

Spokane Park Board

3:30 p.m. Thursday, June 13, 2024 In-person in Council Chambers, City Hall, and WebEx virtual meeting

Park Board Members

- X Bob Anderson President
- X Gerry Sperling Vice President
- X Garrett Jones Secretary
- X Nick Sumner Greta Gilman (absent/excused)
- X Sally Lodato
- X Jennifer Ogden
- X Barb Richey Hannah Kitz *(absent/excused)*
- X Kevin Brownlee
- X Doug Kelley
- X Jonathan Bingle City Council liaison (3:39)

Parks Staff

Guests

Jason Conley Al Vorderbrueggen Ryan Griffith Nick Hamad Jonathan Moog Mark Poirier Mike Light Fianna Dickson Sarah Deatrich

MINUTES

(Click HERE to view a video recording of the meeting.)

- 1. **Roll Call**: Bob Anderson The meeting was called to order at 3:30 p.m. See above for attendance.
- 2. Additions or deletions to the agenda: A. None
- 3. **Public comments:**
 - A. None

4. Consent agenda:

- A. Administrative and committee-level items
 - 1) May 9, 2024, regular Park Board meeting minutes
 - 2) Claims May 2024
 - Cameron-Reilly LLC. / Underhill Park Sport Court Renovation Project (\$628,383.00 including tax) Mike Light
 - 4) Spokane Hoopfest Association / Underhill Park Sport Court Contribution Agreement (\$85,000 revenue) – Nick Hamad
 - 5) AHBL, Inc. / High Bridge Dog Park Civil Engineering & Landscape Architecture (\$50,150.00 non-taxable) Nick Hamad
 - 6) Darren Chu Pedestrian access Easement / Grant Park Nick Hamad
 - 7) Continuation of Parks Fleet Replacement Pilot Program Jason Conley

Motion No. 1: Bob Anderson moved to approve consent agenda items #1 - #7, as listed. Jennifer Ogden seconded.

Motion passed with unanimous consent (8-0)

5. Special guests

A. None

- 6. **Financial report and budget update** Rich Lentz presented the May financial report and budget update.
 - A. Park Fund: The May year-to-date operating expenditures for the Park Fund are approximately \$123,000 more than the two-year budget average. Year-to-date revenues are about \$750,000 above the two-year budget average. Year-to-date revenues are exceeding expenditures approximately \$1.53 million.
 - B. Golf Fund: The May year-to-date operating expenditures for the Golf Fund are about \$215,000 less than the two-year budget average. Year-to-date revenues are below the two-year budget average approximately \$37,000. Revenues are exceeding expenditures about \$1.03 million year-to-date.

Rich shared an update to the tentative 2025-2026 budget calendar which was discussed at Finance Committee on June 11. The timeline has been condensed and Parks will need the Park Board's guidance in order to submit Parks' budget information to the Budget Office and City Council by early to mid July.

Garrett added that Parks will not only be submitting its initial baseline budget for 2025. Parks will also be establishing priorities around a three-year projected deficit in Parks fund and the general fund as a whole. Parks will present a resolution to the Board, for consideration of what cuts or eliminations would be made over the next two to three years.

7. Special discussion/action items:

A. None

8. **Committee reports**:

Urban Forestry Tree Committee: June 4, 2024 – Kevin Brownlee

A. Action items: None

The UFTC and its Citizen Advisory Committee took a joint field trip to Finch Arboretum where they were introduced to Amber Ramirez who will be the project manager for the \$6 million Forest Service Grant. The committees took a walking tour and discussed the declining health of the willow tree and possible solutions to that issue.

B. The next scheduled meeting is 4:15 p.m. July 2, 2024, in The Hive events room 'B', and virtually via WebEx.

Land Committee: June 5, 2024 – Greta Gilman

A. Action items: Four of four action items were presented on the consent agenda.

The committee heard preliminary ideas from Friends of Palisades about their interest in helping acquire four privately owned parcels adjacent to the park. They will be returning to Land Committee with more information in the future.

The committee also discussed Park Operations' need for a new mower at the sports complexes. This discussion will be continued at a future meeting.

B. The July 3, 2024, meeting is <u>cancelled</u>. The next scheduled meeting is 3:30 p.m. July 31, 2024, in The Hive events room 'A', and virtually via WebEx.

Recreation Committee: June 5, 2024 – Sally Lodato

A. Action items: None

The committee discussed proposed increases to the 2025 athletic field rental rates. Jennifer Papich provided a report outlining current rental fees and anticipated increases, factoring in comparison pricing, inflation, and aging field equipment, concluding that rate increases will be necessary.

- Recreation's expenditures are exceeding revenues.
- Surrounding municipalities fees are notably higher that Spokane's and do not distinguish between adult and youth rates.
- Athletic field rental rates have not increased since 2019 with the exception of the soccer fields at SE Sports Complex and Franklin Park.

This discussion will continue at committee level and will be brought to the Board as an action item in August.

B. Recreation Report – Ryan Griffith

<u>Wellness & Enrichment</u> kicked off Garry Historical Tours with 22 participants on June 1st, and Longevity Fit for Healthy Aging added a location for the Fall season. <u>Corbin Art Center</u> saw 200 registrations for Spring programs, 16 Art Parties, and three facility rentals in Spring. In April, the Art Center partnered with St. Charles Elementary school to offer art programs to students. <u>Athletics</u> participation continues to skyrocket with increases across the board. Most notably, Spring volleyball league saw 146 teams with 900 participants! <u>Outdoor Recreation</u> hosted 85 participants over seven activities. They also hosted a fun Walla Walla Bicycle Winery Tour. <u>Disc Golf</u> courses are open and continue to be popular and busy. <u>Aquatics</u> program is fully staffed for Summer and all pools open on June 17. During the 1:00 open swim on opening day at all pools, the first 50 people will receive Expo swag! <u>Therapeutic Recreation</u> saw 424 registrations over 33 programs this Spring, and 2,200 volunteer hours were donated in Q1.

C. The July 3, 2024, meeting is <u>cancelled</u>. The next scheduled meeting is 5:15 p.m. July 31, 2024, in The Hive events room 'A', and virtually via WebEx.

Riverfront Park Committee: June 10, 2024 – Gerry Sperling

A. Action items: None

- Year two of three phase out of Big Belly trash cans continues and will save money for Parks.
- Riverfront Spokane along with River Park Square and the Double Tree Hotel were recognized by Visit Spokane for their contributions to tourism and economic impact over the last 50 years.
- Riverfront hosted a very popular five-day pickleball tournament as part of Expo 50.
- B. The next scheduled meeting is 4:00 p.m. July 8, 2024, Pavilion conference room, Riverfront Park, and virtually via WebEx.

Golf Committee: June 11, 2024 – Nick Sumner A. Action items: None

Golf Committee reviewed Golf's financials which are doing very well. They also discussed capital projects and the scoring system used to rank projects we may fund this year, one of which being necessary sewer maintenance at Esmeralda. The sand traps at Indian Canyon is another.

B. The next scheduled meeting is 8:00 a.m. July 9, 2024, in The Hive events room 'B', and virtually via WebEx.

Finance Committee: June 11, 2024 – Bob Anderson

A. Action items: The action item was presented on the consent agenda.

Jason Conley presented the Parks fleet lease item to the committee. This program has saved Parks a considerable amount of funds through the leasing of vehicles and selling them back to Enterprise Fleet. The program has improved staff moral and increased staff safety through the vehicles' updated safety features.

Rich Lentz presented the tentative 2025-2026 budget calendar which follows the established timeline of prior calendars. The city has adopted a two-year budget plan which introduces new timelines that Parks is unfamiliar with. This will require adjustments to current budget cycle planning.

B. The next scheduled meeting is 3:00 p.m. July 9, 2024, in The Hive events room 'B', and virtually via WebEx.

Development & Volunteer Committee: May 15, 2024 – Jennifer Ogden

A. Action items: None

The Citizen Advisory Committee members from Friends of Palisades, Friends of Manito, and Friends of the Bluff shared upcoming events.

Jennifer gave kudos to Kelly Brown for a successful Club 74 Expo party on the newly restored Post St. Bridge.

B. The next scheduled Development & Volunteer Committee meeting is 4:15 p.m. June 26, 2024, in the Pavilion conference room, Riverfront Park, and virtually via WebEx.

9. Reports

A. President: Bob Anderson

Bob extended thanks to the 9 of 10 Board members who completed the budget survey that will be used as the primary tool for developing the 2025-2026 budget. The City Budget Office requested a 2025 budget that reflects a 5% reduction to their submitted budgets. Parks questioned the Legal Department whether the reduction should come from the 2025 budget of the reduced general fund reflecting the 5% decrease.

A special meeting of the Parks Finance Committee will be held later in June to develop a reduced budget based on the Park Board financial priorities survey. Unless a special Park Board meeting is scheduled, this will be presented at the next regular meeting on July 11th.

Expo 50 is nearing completion and will end with an Independence Day celebration. Bob encouraged all to participate.

Bob thanked Board members and staff as Parks works through this difficult fiscal period.

- B. Liaisons
 - 1) Conservation Futures Nick Sumner No update
 - Parks Foundation Barb Richey Parks Foundation did not meet; however, Barb provided updates:
 - Summer Parkways kicks off June 18th from 6:00 p.m. to 8:00 p.m. between Comstock and Manito Parks.
 - Spokane Parks Foundation's first summer pool party, in partnership with Josh Oakes and the aquatics team, is June 28th at Cannon Park.
 - The Expo 50 Club 74 Speakeasy was a success.
 - 3) City Council Jonathan Bingle Council approved \$150,000 of ARPA funds to be awarded to Parks for the Cannon Hill Pond lining.
- C. Director (Interim): Jason Conley
 - School is out for the summer and the parks services and amenities are ready for the extra action!
 - Spokatopia is at Camp Sekani Park this weekend.
 - In the next couple weeks, the Spokane River level will drop an expected two feet due to scheduled maintenance at Upriver Dam.
 - Corbin sport court renovations will be completed later this month.
 - Parks Friends groups are busy hosting their various events.
 - Friend of Manito hosted their art festival last weekend.
 - Friends of Palisades has a geology hike on Saturday the 15th of June.
 - Friends of Coeur d'Alene Park summer concert series kicks off June 20th.
 - Friends of Spokane Disc Golf is hosting a Highbridge work party June 14th.
 - Friends of the Bluff's Brush on the Bluff event in May raised over \$12,000.
 - July is National Recreation and Park Association Month.

Garrett recognized Board, management team, and staff for their diligent work during a complex and condensed budget season.

Doug Kelley recognized the golf course superintendents for the terrific condition of the courses which, he believes, relates to the increased level of play and revenues this year.

10. Executive session

A. None

11. Correspondence:

A. Letters/email: None

12. **Adjournment**: The meeting was adjourned at 4:06 p.m.

13. Meeting dates

A. Committee meetings:

Urban Forestry Tree Committee: 4:15 p.m. July 2, 2024, at The Hive events room 'B', and virtually via WebEx.

Land Committee: 3:30 p.m. July 31, 2024, at The Hive events room 'A', and virtually via WebEx.

Recreation Committee: 5:15 p.m. July 31, 2024, at The Hive events room 'A', and virtually via WebEx.

Riverfront Park Committee: 4:00 p.m. July 8, 2024, Pavilion conference room, Riverfront Park, and virtually via WebEx

Golf Committee: 8:00 a.m. July 9, 2024, at The Hive events room 'B', and virtually via WebEx.

Finance Committee: 3:00 p.m. July 9, 2024, at The Hive events room 'B', and virtually via WebEx.

Development & Volunteer Committee: Due to the Juneteenth holiday, the regular DVC meeting is canceled. <u>A special meeting will be held at 4:15 p.m., June 26, 2024, in</u> the Riverfront Park Pavilion conference room, and virtually via WebEx.

- B. Park Board: 3:30 p.m. July 11, 2024, Council Chambers, lower-level City Hall, and virtually via WebEx.
- C. Park Board Study Session: No session scheduled at this time.

Minutes approved by:

Garrett Jones

Garrett Jones, Park Board Secretary

CITY OF SPOKANE PARK AND RECREATION DIVISION MAY 2024 EXPENDITURE CLAIMS FOR PARK BOARD APPROVAL - JUNE 13, 2024

PARKS & RECREATION:

SALARIES & WAGES	\$ 1,597,664.38
MAINTENANCE & OPERATIONS	\$ 1,026,447.93
CAPITAL OUTLAY	\$ 222.00
DEBT SERVICE PAYMENTS	\$
PARK CUMULATIVE RESERVE FUND	\$ 74,025.23
RFP BOND 2015 IMPROVEMENTS:	
CAPITAL OUTLAY	\$ 14,546.59
GOLF:	
SALARIES & WAGES	\$ 303,533.75
MAINTENANCE & OPERATIONS	\$ 152,636.90
CAPITAL OUTLAY	\$ 75,774.39
DEBT SERVICE PAYMENTS	\$ -
TOTAL EXPENDITURES:	\$ 3,244,851.17

Return to Minutes

Spokane Park Board Briefing Paper



Committee	Land Committee	Committee meeting date: 06	6/05/2024
Requester	Nick Hamad	Phone number: 50	9-363-8255
Type of agenda item	OConsent ODiscussion	OInformation	Action
Type of contract/agreement	•New ORenewal/ext. O	Lease OAmendment/change	order OOther
City Clerks file (OPR or policy #)			
Master Plan Goal, Objective, Strategy	Goal B, Obj 1	Master Plan Priority Tier: S	econd Tier
(Click HERE for link to the adopted plan)		(pg. 171-175)	
Item title: (Use exact language noted on the agenda)	Cameron-Reilly, LLC. / Underh (\$628,383.00 including tax).	ill Park Sport Court renovation o	construction
Begin/end dates	Begins: 06/13/2024	Ends: 06/13/2025	06/01/2525
Background/history: Construction contract with the low responsive bidder, Cameron-Reilly, LLC. for the re-construction of existing aged and partially out-of-service sport courts at Underhill Park. Contract scope includes the base bid - new sport courts, alternate #1 - site lighting and power, and alternate #2 - substitute 8' tall ornamental fencing in lieu of chain link fencing. Note - \$415,000 of this contract is funded by reimbursable grants (WA State RCO & Hoopfest)			
Motion wording: Motion to approve construction contract w Renovation project in the amount of (\$62	8,383.00 including tax).	e construction of the Underhill Pa	ark Sport Court
Approvals/signatures outside Parks:	• Yes No		
If so, who/what department, agency or co	· · · ·		
Name: Mike Reilly	Email address: mike@camer	on-reilly.com Phone: g	509-466-5555
Distribution:	Megan [
Parks – Accounting Parks – Sarah Deatrich	Jason C Thea Pr	•	
Requester: Mike Light	Nick Ha		
Grant Management Department/Name:			
Fiscal impact: Expenditure	○ Revenue		
Amount:	Budget code:		
(\$628,383.00 including tax)	1950-54920-5	6501-48093	
Vendor: • Existing vendor	🔘 New vendor		
Supporting documents:	г	, , , , , , , ,	
✓ Quotes/solicitation (RFP, RFQ, RFB) Contractor is on the City's A&E Roster - C		for new contractors/consultants/ve	
✓ UBI: 602-633-401 Business license exp		orms (for new contractors/consult ince Certificate (min. \$1 million in (

City Clerk's No.



City of Spokane

PUBLIC WORKS AGREEMENT

Title: UNDERHILL PARK SPORTS COURT RENOVATION

This Agreement is made and entered into by and between the **CITY OF SPOKANE PARKS AND RECREATION DEPARTMENT** as ("City"), a Washington municipal corporation, and **CAMERON-REILLY, LLC**, whose address is 309 North Park Road, Spokane Valley, Washington 99212 as ("Contractor"), individually hereafter referenced as a "party", and together as the "parties".

WHEREAS, the purpose of this Contract is the Underhill Park Sports Court Renovation; and

WHEREAS, the Contractor was selected through Invitation to Bid 6109-24 issued by the City; and

NOW, THEREFORE, in consideration of the terms, conditions, covenants and performance of the Scope of Work contained herein, the City and Contractor mutually agree as follows:

1. <u>TERM OF CONTRACT</u>. The term of this Contract begins on June 13, 2024 and shall run through June 13, 2025, unless amended by written agreement or terminated earlier under the provisions.

2. <u>TIME OF BEGINNING AND COMPLETION</u>. The Contractor shall begin the work outlined in Contractor's Scope of Work ("Work") on the beginning date, above. The City will acknowledge in writing when the Work is complete. Project substantial completion is required by the date established in the City's Invitation to Bid, any contract term beyond required substantial completion date exists to facilitate final project administrative closeout. Time limits established under this Contract shall not be extended because of delays for which the Contractor is responsible, but may be extended by the City, in writing, for the City's convenience or conditions beyond the Contractor's control.

3. <u>SCOPE OF WORK</u>. The Contractor's General Scope of Work for this Contract is described in the City's PW ITB No. 6109-24 with all attachments, which is attached as Exhibit B, and Contractor's Response to the City's Invitation to Bid including subcontractor list, which is attached as Exhibit C and made a part of this Contract. In the event of a conflict or discrepancy in the Contract documents, this City Public Works Contract controls. The Contractor will do all work, furnish all labor, materials, tools, construction equipment, transportation, supplies, supervision, organization and other items of work and costs necessary for the proper execution and completion of the work described in the specifications entitled **Underhill Park Sports Court Renovation**.

The Work is subject to City review and approval. The Contractor shall confer with the City periodically, and prepare and present information and materials (e.g. detailed outline of completed Work) requested by the City to determine the adequacy of the Work or Contractor's progress.

Contractor will construct the Base Bid and Alternates 1 and 2 of the project scope, in accordance with the contract documents.

4. <u>LIQUIDATED DAMAGES</u>. Liquidated damages shall be in accordance with the contract documents.

5. <u>TERMINATION</u>. Either party may terminate this Contract by thirty (30) days written notice to the other party. In the event of such termination, the City shall pay the Contractor for all work previously authorized and performed prior to the termination date.

6. <u>COMPENSATION</u>. Total compensation for Contractor's services under this Contract shall be a maximum amount not to exceed **SIX HUNDRED TWENTY-EIGHT THOUSAND THREE HUNDRED EIGHTY-THREE AND NO/100 DOLLARS (\$628,383.00)**, including applicable taxes, unless modified by a written amendment to this Contract. This is the maximum amount to be paid under this Contract for the work described in Section 3 above, and shall not be exceeded without the prior written authorization of the City in the form of an executed amendment to this Contract.

7. <u>PAYMENT</u>. The Contractor will send its applications for payment to the Parks and Recreation Department, 808 West Spokane Falls Blvd., Fifth Floor, Spokane, Washington 99201. All invoices should include the Department Contract No. "OPR XXXX-XXXX" and an approved L & I Intent to Pay Prevailing Wage number. The final invoice should include an approved Affidavit of Wages Paid number. Payment will not be made without this documentation included on the invoice. **Payment will be made via direct deposit/ACH** within thirty (30) days after receipt of the Company's application except as provided by state law. Five percent (5%) of the Contract price may be retained by the City, in accord with RCW 60.28 for a minimum of forty five (45) days after final acceptance, as a trust fund for the protection and payment of: the claims of any person arising under the Contract; and the State with respect to taxes imposed pursuant to Titles 50, 51 and 82 RCW which may be due from the Contractor.

8. INDEMNIFICATION. The Contractor shall defend, indemnify, and hold the City and its officers and employees harmless from all claims, demands, or suits at law or equity asserted by third parties for bodily injury (including death) and/or property damage which arise from the Contractor's negligence or willful misconduct under this Agreement, including attorneys' fees and litigation costs; provided that nothing herein shall require a Contractor to indemnify the City against and hold harmless the City from claims, demands or suits based solely upon the negligence of the City, its agents, officers, and employees. If a claim or suit is caused by or results from the concurrent negligence of the Contractor's agents or employees and the City, its agents, officers and employees, this indemnity provision shall be valid and enforceable to the extent of the negligence of the Contractor, its agents or employees. The Contractor specifically assumes liability and agrees to defend, indemnify, and hold the City harmless for actions brought by the Contractor's own employees against the City and, solely for the purpose of this indemnification and defense, the Contractor specifically waives any immunity under the Washington State industrial insurance law, or Title 51 RCW. The Contractor recognizes that this waiver was specifically entered into pursuant to the provisions of RCW 4.24.115 and was the subject of mutual negotiation. The indemnity and agreement to defend and hold the City harmless provided for in this section shall survive any termination or expiration of this agreement.

9. <u>BONDS</u>. The Contractor may not commence work until it obtains all insurance, permits and bonds required by the contract documents and applicable law. This includes the execution of a performance bond and a payment bond on the forms attached, each equal to one hundred percent (100%) of the contract price, and written by a corporate surety company licensed to do business in Washington State.

10. <u>INSURANCE</u>. The Contractor represents that it and its employees, agents and subcontractors, in connection with the Contract, are protected against the risk of loss by the insurance coverages required in the contract documents attached hereto including attached Certificates of Insurance (COI) and any other insurance documents attached. The policies shall be issued by companies that meet with the approval of the City Risk Manager. The policies shall not be canceled without at least minimum required written notice to the City as Additional Insured.

11. <u>CONTRACTOR'S WARRANTY</u>. The Contractor's warranty for all work, labor and materials shall be in accordance with the contract documents.

12. <u>WAGES</u>. The Contractor and all subcontractors will submit a "Statement of Intent to Pay Prevailing Wages" certified by the industrial statistician of the Department of Labor and Industries, prior to any payments. The "Statement of Intent to Pay Prevailing Wages" shall include: (1) the Contractor's registration number; and (2) the prevailing wages under RCW 39.12.020 and the number of workers in each classification. Each voucher claim submitted by the Contractor for payment on a project estimate shall state that the prevailing wages have been paid in accordance with the "Statement(s) of Intent to Pay Prevailing Wages" on file with the City. Prior to the payment of funds held under RCW 60.28, the Contractor and subcontractors must submit an "Affidavit of Wages Paid" certified by the industrial statistician.

13. <u>STATEMENT OF INTENT TO PAY PREVAILING WAGES TO BE POSTED</u>. The Contractor and each subcontractor required to pay the prevailing rate of wages shall post in a location readily visible at the job site: (1) a copy of a "Statement of Intent to Pay Prevailing Wages" approved by the industrial statistician of the State Department of Labor and Industries; and (2) the address and telephone number of the industrial statistician of the Department of Labor and Industries where a complaint or inquiry concerning prevailing wages may be made.

14. <u>PUBLIC WORKS REQUIREMENTS.</u> The Contractor and each subcontractor are required to fulfill the Department of Labor and Industries Public Works and Prevailing Wage Training Requirement under RCW 39.04.350. The contractor must verify responsibility criteria for each first tier subcontractor, and a subcontractor of any tier that hires other subcontractors must verify the responsibility criteria listed in RCW 39.04.350(1) for each of its subcontractors. Verification shall include that each subcontractor, at the time of subcontract execution, meets the responsibility criteria. This verification requirement, as well as responsibility criteria, must be included in every public works contract and subcontract of every tier.

15. <u>SUBCONTRACTOR RESPONSIBILITY</u>.

A. The Contractor shall include the language of this section in each of its first tier subcontracts, and shall require each of its subcontractors to include the same language of this section in each of their subcontracts, adjusting only as necessary the terms used for the contracting parties. Upon request of the City, the Contractor shall promptly provide documentation to the City demonstrating that the subcontractor meets the subcontractor responsibility criteria below. The requirements of this section apply to all subcontractors regardless of tier.

B. At the time of subcontract execution, the Contractor shall verify that each of its first tier subcontractors meets the following bidder responsibility criteria:

- 1. Have a current certificate of registration in compliance with chapter 18.27 RCW, which must have been in effect at the time of subcontract bid submittal;
- 2. Have a current Washington Unified Business Identifier (UBI) number;
- 3. If applicable, have:
 - Have Industrial Insurance (workers' compensation) coverage for the subcontractor's employees working in Washington, as required in Title 51 RCW;
 - b. A Washington Employment Security Department number, as required in Title 50 RCW;
 - c. A Washington Department of Revenue state excise tax registration number, as required in Title 82 RCW;
 - d. An electrical contractor license, if required by Chapter 19.28 RCW;
 - e. An elevator contractor license, if required by Chapter 70.87 RCW.
- 4. Not be disqualified from bidding on any public works contract under RCW 39.06.010 or 39.12.065 (3).

C. On Public Works construction projects, as defined in RCW 39.04.010, with an estimated cost of six hundred thousand dollars (\$600,000) or more, at least fifteen (15) percent of the labor hours on each project shall be performed by apprentices enrolled in a State-approved apprenticeship program; and for each contract in the project fifteen (15) percent of the labor hours for each craft that has an available state-approved apprenticeship program for Spokane County and utilizes more than one hundred sixty (160) hours in each contract shall be performed by apprentices enrolled in a state-approved apprenticeship program.

- 1. Subcontracting Requirements. The utilization percentages for apprenticeship labor for Public Works construction contracts shall also apply to all subcontracts of one hundred thousand dollars (\$100,000) or more within those contracts, and at least fifteen percent (15%) of the labor hours for each such subcontract shall be performed by apprentices in a state-approved apprenticeship program. For each craft that has an available apprenticeship program for Spokane county and performs more than one hundred sixty (160) hours on each project, fifteen (15) percent of the labor hours shall be performed by apprentices enrolled in a State-approved apprenticeship program
- 2. Each subcontractor which this chapter applies is required to execute a form, provided by the city, acknowledging that the requirements of Article X 07.06 SMC are applicable to the labor hours for the project.

16. <u>NONDISCRIMINATION</u>. No individual shall be excluded from participation in, denied the benefit of, subjected to discrimination under, or denied employment in the administration of or in connection with this Contract because of age, sex, race, color, religion, creed, marital status, familial status, sexual orientation including gender expression or gender identity, national origin, honorably discharged veteran or military status, the presence of any sensory, mental or physical disability, or use of a service animal by a person with disabilities. The Contractor agrees

to comply with, and to require that all subcontractors comply with, Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act, as applicable to the Contractor.

17. EXECUTIVE ORDER 11246.

- A. The Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex or national origin. The Contractor will take affirmative action to insure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex or national origin. Such action shall include but not be limited to the following: employment upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions of this nondiscrimination clause.
- B. The Contractor will, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex or national origin.
- C. The Contractor will send each labor union, or representative of workers with which it has a collective bargaining contract or other contract or understanding, a notice, to be provided by the agency contracting officer, advising the labor union or workers' representative of the Contractor's commitments under Section 202 of Executive Order No. 11246 of September 24, 1965, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- D. The Contractor will comply with all provisions of Executive Order No. 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.
- E. The Contractor will furnish all information and reports required by Executive Order No. 11246 of September 24, 1965, and by the rules, regulations and orders of the Secretary of Labor, or pursuant thereto, and will permit access to its books, records, and accounts by the contracting agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations and orders.
- F. In the event of the Contractor's noncompliance with the nondiscrimination clauses of this Contract or with any of such rules, regulations or orders, this Contract may be canceled, terminated or suspended in whole or in part, and the Contractor may be declared ineligible for further government contracts in accordance with procedures authorized in Executive Order No. 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order No. 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.
- G. The Contractor will include the provisions of paragraphs A through G in every subcontract or purchase order unless exempted by rules, regulations or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order No. 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The Contractor will take such action with respect to any subcontract or purchase order as may be directed by the Secretary of Labor as a means of enforcing such provisions including sanctions for noncompliance: PROVIDED, HOWEVER, that in the event the Contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as the result of such direction, the Contractor may request the United States to enter into such litigation to protect the interests of the United States.

18. <u>DEBARMENT AND SUSPENSION</u>. The Contractor has provided its certification that it is in compliance with and shall not contract with individuals or organizations which are debarred,

suspended, or otherwise excluded from or ineligible from participation in Federal Assistance Programs under Executive Order 12549 and "Debarment and Suspension", codified at 29 CFR part 98.

19. <u>ASSIGNMENTS</u>. The Contractor may not assign, transfer or sublet any part of the work under this Contract, or assign any monies due, without the written approval of the City, except as may be required by law. In the event of assignment of accounts or monies due under this Contract, the Contractor specifically agrees to give immediate written notice to the City Administrator, no later than five (5) business days after the assignment.

20. <u>ANTI-KICKBACK</u>. No officer or employee of the City of Spokane, having the power or duty to perform an official act or action related to this Contract shall have or acquire any interest in the Contract, or have solicited, accepted or granted a present or future gift, favor, service or other thing of value from or to any person involved in the Contract.

21. <u>COMPLIANCE WITH LAWS</u>. Each party shall comply with all applicable federal, state, and local laws and regulations that are incorporated herein by reference.

22. <u>DISPUTES</u>. This Contract shall be performed under the laws of the State of Washington. Any litigation to enforce this Contract or any of its provisions shall be brought in Spokane County, Washington.

23. <u>SEVERABILITY</u>. In the event any provision of this Contract should become invalid, the rest of the Contract shall remain in full force and effect.

24. <u>AUDIT / RECORDS</u>. The Contractor and its subcontractors shall maintain for a minimum of three (3) years following final payment all records related to its performance of the Contract. The Contractor and its subcontractors shall provide access to authorized City representatives, at reasonable times and in a reasonable manner to inspect and copy any such record. In the event of conflict between this provision and related auditing provisions required under federal law applicable to the Contract, the federal law shall prevail.

25. <u>BUSINESS REGISTRATION REQUIREMENT</u>. Section 8.01.070 of the Spokane Municipal Code states that no person may engage in business with the City without first having obtained a valid annual business registration. The Contractor shall be responsible for contacting the State of Washington Business License Services at www.dor.wa.gov or 360-705-6741 to obtain a business registration. If the Contractor does not believe it is required to obtain a business registration, it may contact the City's Taxes and Licenses Division at (509) 625-6070 to request an exemption status determination.

26. <u>CONSTRUAL</u>. The Contractor acknowledges receipt of a copy of the contract documents and agrees to comply with them. The silence or omission in the contract documents concerning any detail required for the proper execution and completion of the work means that only the best general practice is to prevail and that only material and workmanship of the best quality are to be used. This Contract shall be construed neither in favor of nor against either party.

27. <u>MODIFICATIONS</u>. The City may modify this Contract and order changes in the work whenever necessary or advisable. The Contractor will accept modifications when ordered in writing by the Director of Engineering Services, and the Contract time and compensation will be adjusted accordingly.

28. <u>INTEGRATION</u>. This Contract, including any and all exhibits and schedules referred to herein or therein set forth the entire Agreement and understanding between the parties pertaining to the subject matter and merges all prior agreements, negotiations and discussions between them on the same subject matter.

29. <u>FORCE MAJEURE</u>. Neither party shall be liable to the other for any failure or delay in performing its obligations hereunder, or for any loss or damage resulting therefrom, due to: (1) acts of God or public enemy, acts of government, riots, terrorism, fires, floods, strikes, lock outs, epidemics, act or failure to act by the other party, or unusually severe weather affecting City, Contractor or its subcontractors, or (2) causes beyond their reasonable control and which are not foreseeable (each a "Force Majeure Event"). In the event of any such Force Majeure Event, the date of delivery or performance shall be extended for a period equal to the time lost by reason of the delay.

CAMERON-REILLY, LLC

CITY OF SPOKANE

By	Ву
Signature Date	Signature Date
Type or Print Name	Type or Print Name
Title	Title
Attest:	Approved as to form:
City Clerk	Assistant City Attorney
Attachments that are part of this Contract: Payment Bond Performance Bond Exhibit A - Certification Regarding Debarment Exhibit B – City's PW ITB No. 6109-24 Exhibit C - Contractor's Response to the City's Invi ^{24-101a}	tation to Bid

PAYMENT BOND

We, **CAMERON-REILLY, LLC**, as principal, and ______, as surety, are held and firmly bound to the City of Spokane, Washington, in the sum of **SIX HUNDRED TWENTY-EIGHT THOUSAND THREE HUNDRED EIGHTY-THREE AND NO/100 DOLLARS (\$628,383.00)**, including applicable taxes, the payment of which, we bind ourselves and our legal representatives and successors, jointly and severally by this document.

The principal has entered into a contract with the City of Spokane, Washington, to do all work and furnish all materials for the **UNDERHILL PARK SPORTS COURT RENOVATION PROJECT.** If the principal shall:

- A. pay all laborers, mechanics, subcontractors, material suppliers and all person(s) who shall supply such person or subcontractors; and pay all taxes and contributions, increases and penalties as authorized by law; and
- B. comply with all applicable federal, state and local laws and regulations;

then this obligation shall be null and void; otherwise it shall remain in full force and effect.

The Surety for value received agrees that no change, extension of time, alteration or addition to the terms of the Contract, the specifications accompanying the Contract, or to the work to be performed under the Contract shall in any way affect its obligation on this bond, except as provided herein, and waives notice of any change, extension of time, alteration or addition to the terms of the Contract or the work performed. The Surety agrees that modifications and changes to the terms and conditions of the Contract that increase the total amount to be paid the Principal shall automatically increase the obligation... Any judgment obtained against the City, which relates to or is covered by the contract or this bond, shall be conclusive against the principal and the surety, as to the amount of damages, and their liability, if reasonable notice of the suit has been given.

SIGNED AND SEALED on	·
	CAMERON-REILLY, LLC, AS PRINCIPAL
	By: Title:
A valid <u>POWER OF ATTORNEY</u>	AS SURETY
for the Surety's agent must accompany this bond.	By: Its Attorney in Fact

STATE OF WASHINGTON)) ss. County of _____)

I certify that I know or have satisfactory evidence that_____

signed this document; on oath stated that he/she was authorized to sign the document and acknowledged it as the agent or representative of the named surety company which is authorized to do business in the State of Washington, for the uses and purposes therein mentioned.

DATED: _____

Signature of Notary Public

My appointment expires _____

Approved as to form:

Assistant City Attorney

PERFORMANCE BOND

We, **CAMERON-REILLY, LLC,** as principal, and ______, as Surety, are held and firmly bound to the City of Spokane, Washington, in the sum of **SIX HUNDRED TWENTY-EIGHT THOUSAND THREE HUNDRED EIGHTY-THREE AND NO/100 DOLLARS (\$628,383.00)**, including applicable taxes, plus applicable taxes, for the payment of which, we bind ourselves and our legal representatives and successors, jointly and severally by this document.

The principal has entered into a Contract with the City of Spokane, Washington, to do all the work and furnish all materials for the **UNDERHILL PARK SPORTS COURT RENOVATION PROJECT.** If the principal shall:

- A. promptly and faithfully perform the Contract, and any contractual guaranty and indemnify and hold harmless the City from all loss, damage or claim which may result from any act or omission of the principal, its agents, employees, or subcontractors; and
- B. comply with all applicable federal, state and local laws and regulations;

then this obligation shall be null and void; otherwise it shall remain in full force and effect.

The Surety for value received agrees that no change, extension of time, alteration or addition to the terms of the Contract, the specifications accompanying the Contract, or to the work to be performed under the Contract shall in any way affect its obligation on this bond, except as provided herein, and waives notice of any change, extension of time, alteration or addition to the terms of the Contract or the work performed. The Surety agrees that modifications and changes to the terms and conditions of the Contract that increase the total amount to be paid the Principal shall automatically increase the obligation. Any judgment obtained against the City, which relates to or is covered by the Contract or this bond, shall be conclusive against the principal and the Surety, not only as to the amount of damages, but also as to their liability, if reasonable notice of the suit has been given.

SIGNED AND SEALED on		
	CAMERON-REILLY, LLC, AS PRINCIPAL	
	By: Title:	
A valid <u>POWER OF ATTORNEY</u>	AS SURETY	,
for the Surety's agent must accompany this bond.	By: Its Attorney in Fact	

STATE OF WASHINGTON)) ss. County of _____)

I certify that I know or have satisfactory evidence that _____

signed this document; on oath stated that he/she was authorized to sign the document and acknowledged it as the agent or representative of the named Surety Company which is authorized to do business in the State of Washington, for the uses and purposes mentioned in this document.

DATED on ______.

Signature of Notary

My appointment expires _____

Approved as to form:

Assistant City Attorney

Exhibit A CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION

- 1. The undersigned (i.e., signatory for the Subrecipient / Contractor / Consultant) certifies, to the best of its knowledge and belief, that it and its principals:
 - a. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any federal department or agency;
 - b. Have not within a three-year period preceding this contract been convicted or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (federal, state, or local) transaction or contract under a public transaction; violation of federal or state antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, tax evasion, receiving stolen property, making false claims, or obstruction of justice;
 - c. Are not presently indicted or otherwise criminally or civilly charged by a government entity (federal, state, or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and,
 - d. Have not within a three-year period preceding this contract had one or more public transactions (federal, state, or local) terminated for cause or default.
- 2. The undersigned agrees by signing this contract that it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction.
- 3. The undersigned further agrees by signing this contract that it will include the following clause, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions:

Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – Lower Tier Covered Transactions

- 1. The lower tier contractor certified, by signing this contract that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal department or agency.
- 2. Where the lower tier contractor is unable to certify to any of the statements in this contract, such contractor shall attach an explanation to this contract.
- 4. I understand that a false statement of this certification may be grounds for termination of the contract.

Name of Subrecipient / Contractor / Consultant (Type or Print)	Program Title (Type or Print)
Name of Certifying Official (Type or Print) Title of Certifying Official (Type or Print)	Signature Date (Type or Print)

Exhibit B

Exhibit C



CITY OF SPOKANE - PURCHASING 915 N Nelson St. Spokane, Washington 99202 (509) 625-6400

PW INVITATION TO BID

PW ITB NUMBER: 6109-24	PROPOSAL DUE DATE: Monday, May 13,
TITLE: CITY OF SPOKANE – UNDERHILL PARK	2024
SPORT COURT RENOVATION - BID	<u>TIME: 1:00 pm pdt</u>
BID COORDINATOR: Thea Prince, City of	<u>Bid Submittal:</u>
Spokane Purchasing Department	All Bids shall be submitted electronically
PRE-BID CONFERENCE: An optional pre-bid	through the ProcureWare online
meeting will be held on Thursday, May 2, 2024, at 1:00pm at City Hall, Conference Room Lobby – Tribal, 808 W Spokane Falls Blvd, Spokane, WA, 99201.	procurement system portal: https://spokane.procureware.com before the due date and time.
QUESTION DEADLINE: Friday, May 3, 2024 at 3:00 pm pdt	

BID SUBMITTED BY:

COMPANY	

MAILING ADDRESS

PHYSICAL ADDRESS_____

PHONE NUMBER_____

E-MAIL ADDRESS

Thea Prince

THEA PRINCE Purchasing

CITY OF SPOKANE REQUEST FOR PUBLIC WORKS BID USING AIA FORM A201 – 2007 GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION REVISED MARCH 18, 2014

PRE-BID CONFERENCE. An optional pre-bid meeting will be held on Thursday, May 2, 2024, at 1:00 pm at City Hall, Conference Room Lobby - Tribal, 808 W Spokane Falls Blvd Spokane WA 99201.

1. SUBMISSION OF BIDS.

Bid Responses shall be submitted electronically through the City of Spokane's bidding portal: <u>https://spokane.procureware.com</u> on or before the Due Date and time mentioned above. Hard, e-mailed or faxed copies and/or late bids shall not be accepted.

The City of Spokane is not responsible for bids electronically submitted late. It is the responsibility of the Bidder to be sure the bids are electronically submitted sufficiently ahead of time to be received no later than 1:00 p.m. on the bid opening date.

Sealed Bids will be opened at the 1:15 p.m. public bid opening via Teams meeting on Monday, May 13, 2024 for the Underhill Park Sport Court Renovation Project.

To participate in bid opening, please visit the City's website at <u>https://my.spokanecity.org/administrative/purchasing/</u> for the link to attend virtually and/or the number to attend by telephone.

2. **BIDDERS' REPRESENTATION.**

Each bidder by making its bid represents that it has read and understands the bidding documents. Each bidder by making its bid represents that it has visited the site and familiarized itself with the local conditions under which the work is to be performed.

3. **SUBSTITUTIONS.**

- A. Each bidder represents that its bid is based upon the materials and equipment described in the bidding documents.
- B. No substitution will be considered unless written request has been submitted to the City department representative for approval at least five (5) days prior to the date for receipt of bids. Each request shall include a complete description of the proposed substitute, the name of the material or equipment for which it is to be substituted, manufacturer, warranty, availability of qualified and trained installers, drawings, cuts, performance and test data and any other data or information necessary for a complete evaluation.
- C. If the City department representative approves any proposed substitution, the approval will be set forth in an addendum.

4. **INTERPRETATION.**

If a bidder discovers any errors, discrepancies or omissions in the bid specifications, or has any questions about the specifications, it shall notify the City department representative in writing. Any addenda issued by the City will be incorporated into the contract.

5. WITHDRAWAL OF BIDS.

The bidder may make written request to the City for withdrawal of a sealed electronic bid prior to the scheduled opening. Unless otherwise specified, no bid may be withdrawn for a minimum of sixty (60) calendar days after the opening date.

6. **BIDDER PREQUALIFICATION.**

Prior to the award of contract, the apparent successful bidder shall be required to submit evidence of sufficient facilities, equipment, workers with formal and verifiable experience and training in municipal sport court renovation and /or construction projects of similar type and equivalent or larger nature, size, and scope to this project as outlined in detail within project technical specifications, unless waived by the City.

7. **BID SECURITY.**

The bid shall be accompanied by a bid bond bound to the City of Spokane, in an amount of not less than five percent (5%) of the total bid amount. Bid bonds must be by a surety company authorized to do business as a surety in Washington State. As soon as the bid prices have been compared, the City will release the bid security of all except the three (3) lowest responsible bidders. When the construction agreement is signed and returned with executed payment and performance bonds, the other bid security will be released.

8. AWARD OF CONTRACT.

Award of contract, when made by the City, will be to the lowest responsive responsible bidder. Unsuccessful bidders will not automatically be notified of results.

9. **RECIPROCAL PREFERENCE FOR RESIDENT CONTRACTORS.**

- A. In accordance with RCW 39.04.380 effective *March 30, 2012* the City of Spokane is enforcing a Reciprocal Preference for Resident Contractors. Any public works bid received from a nonresident contractor from a state that provides an in-state percentage bidding preference, a comparable percentage disadvantage must be applied to the bid of that nonresident contractor. A nonresident contractor from a state that provides a percentage bid preference means a contractor that: a) is from a state that provides a percentage bid preference to its resident contractors bidding on public works contracts; and b) at the time of bidding on a public works project, does not have a physical office located in Washington.
- B. The state of residence for a nonresident contractor is the state in which the contractor was incorporated or, if not a corporation, the state where the contractor's business entity was formed. All nonresident contractors will be evaluated for out of state bidder preference. If the state of the nonresident contractor provides an instate contractor preference, a comparable percentage disadvantage will be applied to their bid prior to contract award.
- C. This section does not apply to public works procured pursuant to RCW 39.04.155, 39.04.280, or any other procurement exempt from competitive bidding.

10. BIDDER RESPONSIBILITY CRITERIA (MANDATORY).

Before award, the bidder must meet the following mandatory bidder responsibility criteria to be considered a responsible bidder. The bidder may be required by the Owner to submit documentation demonstrating compliance with the criteria. The bidder must:

- A. Have a current certificate of registration as a contractor in compliance with chapter 18.27 RCW, which must have been in effect at the time of bid submittal;
- B. Have a current Washington Unified Business Identifier (UBI) number;
- C. If applicable:

- 1) Have Industrial Insurance (workers' compensation) coverage for the bidder's employees working in Washington, as required in title 51 RCW;
- 2) Have a Washington Employment Security Department number, as required in title 50 RCW;
- 3) Have a Washington Department of Revenue state excise tax registration number, as required in title 82 RCW.
- D. Not be disqualified from bidding on any public works contract under RCW 39.06.010 or 39.12.065(3).
- E. If bidding on a public works project subject to the apprenticeship utilization requirements in RCW <u>39.04.320</u>, not have been found out of compliance by the Washington state apprenticeship and training council for working apprentices out of ratio, without appropriate supervision, or outside their approved work processes as outlined in their standards of apprenticeship under chapter <u>49.04</u> RCW for the one-year period immediately preceding the date of the bid solicitation; and
- F. Until December 31, 2013, not have violated RCW <u>39.04.370</u> "Off-Site Prefabricated Non-Standard Project Specific Items" reporting requirements more than one time as determined by the department of labor and industries.
- G. Before award of a public works contract, the bidder under consideration for award of a public works project must submit to the public agency a sworn statement that they have not willfully violated wage payment laws within the past three years in order to be considered a responsible bidder. (See <u>RCW 39.04.350</u> as modified by <u>SSB 5301</u>, Laws of 2017, ch. 258.).
- H. Shall affirm and certify that they will not violate any local, state, or federal labor laws or standards during the course of performing work under the City contract.
- I. Shall affirm and certify that the bidder will comply with and notify its principals and subcontractors of the provisions of the Spokane Fair Elections Code, chapter 01.07, SMC
- J. As of July 1, 2019, have fulfilled the Department of Labor and Industries' Public Works and Prevailing Wage Training Requirement before bidding and/or performing work on public works projects under RCW 39.04.350 and RCW 39.06.020 by either of the following:
 - Received training on the requirements related to public works and prevailing wage under chapter RCW 39.04.350 and chapter 39.12; or
 - Be certified exempt by the Department of Labor and Industries by having completed three or more public work projects and have a had a valid business license in Washington for three or more years.

This verification requirement and responsibility criteria must be included in any subcontract at every tier for the public works project.

11. BIDDER RESPONSIBILITY CRITERIA (SUPPLEMENTAL).

A bidder will be deemed not responsible if:

- A. the bidder does not meet the mandatory bidder responsibility criteria in SMC 7.06.500 and RCW 39.04.350(1), as amended; or
- B. the bidder does not meet the supplemental bidder responsibility criteria as shown in these bid specifications. The bidder may be required by the City to submit documentation demonstrating compliance with the criteria.

If a potential bidder believes that the supplemental bidder responsibility criteria will exclude it from bidding, it may request the City to consider modifying the criteria. Any request shall be submitted to the Purchasing Department no later than five (5) days before the bid opening. The City shall evaluate any such request, and if a decision is made by the City to modify the criteria, the modification shall be communicated to all bidders and plan holders via the issuance of an addendum to the bidding documents. Likewise, in the event the City decides not to modify the criteria, it will endeavor to notify the requesting bidder of its decision.

As evidence that the Bidder meets the supplemental bidder responsibility criteria, the apparent lowest Bidder shall submit to the City within twenty four (24) hours of the notification time the completed supplementary bidder responsibility form with any required documentation. The City reserves the right to request this documentation from other bidders as well, and to request further documentation as needed to assess the bidder's responsibility.

The basis for evaluation of bidder compliance with the supplemental criteria shall be any documents or facts obtained by the City (whether from the bidder or third parties) which any reasonable owner would rely on for determining compliance. Determinations of responsibility or non-responsibility of a bidder due to the supplemental criteria shall be based on a review of all the supplemental criteria factors as a whole with no single item being determinative.

If the City determines the low bidder does not meet either the mandatory bidder criteria or the supplemental bidder criteria and is therefore not a responsible bidder, the Contracting Agency shall notify the bidder in writing with reasons for the determination. If the bidder disagrees with this determination, it will have a minimum of three (3) business days from receiving the determination to submit additional written information to the City. The City will consider any timely submitted additional information received from the bidder before issuing its subsequent determination. If the bidder disagrees with the City's subsequent determination to the Mayor or designee in writing within two (2) business days of receiving the City's determination. If the final appeal affirms that the bidder is not responsible, the City will not execute a contract with any other bidder until at least two (2) business days after the bidder determined to be not responsible has received the final determination.

12. **REJECTION OF BIDS.**

The City reserves the right to reject any or all bids, to waive minor deviations from the specifications, to waive minor informalities in bidding, whenever it is in the City's best interest, and to accept or reject all or part of this Request for Bids, at the prices shown.

13. CONTRACTOR REGISTRATION.

The City is prohibited from executing a contract with a contractor who is not registered or licensed as required by state law.

14. **EXECUTION OF CONTRACT.**

Within ten (10) days of contract award, the Contractor shall sign and return to the City an executed copy of the contract and payment/performance bonds and approved evidence

of insurance unless otherwise mutually agreed by the City and Contractor.

15. **PUBLIC WORKS REQUIREMENTS.**

The scope of work for this project constitutes a public work under state law. Bidders are warned to take into consideration statutory legal requirements, particularly, the payment of prevailing wages, payment/performance bonds and sales tax implications in making their bids.

16. ELECTRONIC BID INSTRUCTIONS.

Bidders must go online to the City's Bidding Portal (<u>https://spokane.procureware.com</u>) to submit bid prices and other documentation as requested. Bidders are asked to read the Welcome Screen and register if they have not done so previously. Once on the bidding portal, follow the steps below to enter the **electronic bid**:

- I. Click on "Bids" located on the left hand column.
- II. Find the applicable project and click the "Project Number".
- III. Click on the "Response" tab.
- IV. In the "Questions" tab, upload required scanned documents into the bid portal by clicking on "**Browse**" for each item.
- V. Click on the "**Pricing**" tab and enter pricing as requested. A "**Comment**" field is available if needed.
- VI. Once both the Questions and Pricing information has been entered, the yellow "Question Response and Pricing Response" information message will change from incomplete to complete. Then the "Submit" button will become available.
- VII. Click the "Submit Bid" button and review the terms and conditions, popup window that appears. If you agree to the terms and conditions, click the "I Accept and Submit this Bid" button.
- VIII. If you want to remove your bid, click the red "Withdraw Bid" button in the "Response" tab for the appropriate bid.

SCOPE OF WORK

1. **PERFORMANCE.**

The Contractor will do all work, furnish all labor, materials, tools, construction equipment, transportation, supplies, supervision, permits, organization and other items of work and cost necessary for the proper execution and completion of the sport court work as described in the attached project plans and specifications.

2. **ATTACHMENTS.**

- Attachment 1 Project Construction Drawings
- Attachment 2 Project Construction Specifications
- Attachment 3 Unanticipated Discovery Plan (Not Included)
- Bid Schedule 1 Base Bid
- Alternate Bid Schedule 1 Alternate 1
- Alternate Bid Schedule 2 Alternate 2

3. SCOPE OF WORK.

- Base Bid:
 - Establishing a construction boundary, tree protection, and erosion and sedimentary control.
 - Removal of two existing trees, demolition of two existing basketball courts and one tennis court (including pavement, aggregate base course, and equipment as indicated on drawings), removal of existing fencing and gates, and removal of existing site lighting (including light poles, luminaires, concrete bases, underground power, and all associated equipment).
 - o Construction of two concrete basketball courts.
 - o Construction of two concrete pickleball courts with acrylic surfacing.
 - New chain link fencing and gates, site furniture, concrete sidewalks and post footings, irrigation and landscape repairs.

• Bid Alternates:

- o <u>Alternate 1</u>:
 - Overhead site lighting including but not limited to, install new light poles, luminaires, bases, underground power, and all associated equipment.
 - Plans and technical specifications that accompany this document identify the equipment and installation requirements, including locations for new lighting.
- o Alternate 2:

Substitute new ornamental fencing in lieu of chain link fencing and gates.

THESE NEXT THREE PAGES MUST BE COMPLETED AND UPLOADED INTO THE CITY OF SPOKANE'S ELECTRONIC BIDDING SYSTEM AND INFORMATION MUST BE SUBMITTED ONLINE PER INSTRUCTIONS TO BIDDERS PARAGRAPH #16.

BID PROPOSAL

To: Honorable Mayor Members of the City Council City of Spokane, Washington

PROJECT: #6109-24 UNDERHILL PARK SPORT COURT RENOVATION - BID

BIDDER'S DECLARATION.

The undersigned bidder certifies that it has examined the site, read and understands the specifications for the above project, and agrees to comply with all applicable federal, state and local laws and regulations. The bidder is advised that by signature of this bid proposal it has acknowledged all bid requirements and signed all certificates contained herein.

BID OFFER.

The price(s) listed in this bid proposal is tendered as an offer to furnish all labor, materials, equipment and supervision required to complete the proposed project in strict accordance with the contract documents. The bidder proposes to do the project at the following price:

BASE BID:

Total From Bid Schedule (Includes Tax)

BID ALTERNATES:

(1) Site Lighting & Power

Includes Washington State Sales Tax

(2) Substitute Ornamental Fencing in lieu of Chain Link Fencing

\$

\$

\$

Includes Washington State Sales Tax

The Owner reserves the right to accept or reject any or all bid prices within sixty (60) days of the bid date.

ADDENDA.

The undersigned acknowledges receipt of addenda number(s) ______ and agrees that their requirements have been included in this bid proposal.

CONTRACT COMPLETION TIME.

The bidder agrees to start the work under this contract within ten (10) days of the Notice to Proceed and to substantially complete the specified work by within 150 calendar days or no later than November 8, 2024.

LIQUIDATED DAMAGES.

In the event the bidder is awarded the contract and fails to complete the work within the time
limit or any agreed upon time extensions, liquidated damages shall be paid to the City of
Spokane in the amount of ONE HUNDRED DOLLARS (\$100.00) per working day until the work
is satisfactorily completed.

BIDDER RESPONSIBILITY.

Washington State Contractor's Registration No.	
(must be in effect at time of bid submittal)	

U.B.I. Number _____

Washington Employment Security Department Number

Washington Excise Tax Registration Number _____

City of Spokane Business License Number _____

(The successful bidder and all subcontractors shall be licensed or have applied for a license to do business in the City of Spokane prior to proceeding with the proposed project.)

BID SECURITY.

A bid security in the amount of FIVE PERCENT (5%) of the total project bid as indicated above, is attached to this bid proposal. If the bidder is awarded the contract and fails to enter into a construction contract and/or furnish payment / performance bond(s) and proof of insurance within the required time period, the bid security shall be forfeited to the City of Spokane.

NON-COLLUSION.

The undersigned authorized representative of the undersigned firm, being first sworn on oath, certifies that the firm has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with the project for which this bid proposal is submitted.

Name of Bidder:

Signature of Bidder's Authorized Representative

Title

Address

Phone

IF INDIVIDUAL

Signed and Sworn To (or Affirmed) Before Me On

date

(Seal Or Stamp)

Signature of Notary Public

My appointment expires _____

IF PARTNERSHIP

I certify that I know or have satisfactory evidence that the above named person signed this bid proposal, on oath stated that he/she was authorized to sign it and acknowledged it as the partner(s) of the bidder, a partnership, to be the free and voluntary act of such party for the uses and purposes herein mentioned.

Signed and Sworn To (or Affirmed) Before Me On

date

(Seal Or Stamp)

Signature of Notary Public

My appointment expires

IF CORPORATION

I certify that I know or have satisfactory evidence that the above named person signed this bid proposal, on oath stated that he/she was authorized to sign it and acknowledged it as the representative of the bidder, a corporation, to be the free and voluntary act of such party for the uses and purposes herein mentioned.

Signed and Sworn To (or Affirmed) Before Me On

date

(Seal Or Stamp)

Signature of Notary Public

My appointment expires _____

THIS FORM MUST BE COMPLETED AND UPLOADED INTO THE CITY OF SPOKANE'S ELECTRONIC BIDDING SYSTEM <u>AND</u> INFORMATION MUST BE SUBMITTED ONLINE PER INSTRUCTIONS TO BIDDERS PARAGRAPH #16.

SUBCONTRACTOR LIST

PROJECT NAME: _____

IMPORTANT: REFER TO SECTION 5.2.1 OF THE SUPPLEMENTAL CONDITIONS FOR **INSTRUCTIONS ON COMPLETING THE SUBCONTRACTOR LIST** (use additional pages if necessary):

CONTRACTOR/SUPPLIER
TYPE OF WORK/BID ITEM
AMOUNT
CONTRACTOR'S REGISTRATION NO
CONTRACTOR/SUPPLIER
TYPE OF WORK/BID ITEM
AMOUNT
CONTRACTOR'S REGISTRATION NO.
CONTRACTOR/SUPPLIER
TYPE OF WORK/BID ITEM
AMOUNT
CONTRACTOR'S REGISTRATION NO
CONTRACTOR/SUPPLIER
TYPE OF WORK/BID ITEM
AMOUNT
CONTRACTOR'S REGISTRATION NO.

NO SUBCONTRACTORS WILL BE USED ON THIS PROJECT

MINORITY AND WOMEN'S BUSINESS ENTERPRISE GOALS

The City of Spokane has established laudatory goals for the procurement of supplies, materials and services, or for subcontracting work for this project from Minority Business Enterprises (MBE) and Women's Business Enterprises (WBE) as follows:

EITHER MBE OR WBE OR A COMBINATION OF BOTH IN THE AMOUNT OF THREE PERCENT (3%) OF THE TOTAL PROJECT BID AMOUNT

The current list of the Washington State Office of Minority and Women's Business Enterprises shall be used for all public works construction projects administered by the City.

ACHIEVEMENT OF THE ABOVE GOALS IS ENCOURAGED. WHETHER OR NOT THE BIDDER ATTAINS THE ABOVE SPECIFIED GOALS WILL NOT BE USED TO DETERMINE THE RESPONSIVENESS OF THE BIDDER'S BID PROPOSAL.

The bidder shall take the following affirmative steps in considering award of subcontracts to the fullest extent possible to qualified minority and women owned businesses:

- (1) including qualified minority and women's businesses on solicitation lists;
- (2) insuring that minority and women's businesses are solicited whenever they are potential sources;
- (3) dividing total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation of minority and women's businesses;
- (4) establishing delivery schedules, where requirements of the work permit, which will encourage participation of minority and women's businesses;
- (5) using the services and assistance of the Small Business Administration and the Washington State Office of Minority and Women's Business Enterprise as appropriate.

MINORITY AND WOMEN'S BUSINESS ENTERPRISE UTILIZATION

The bidder has contacted minority and women's business enterprises (MBE/WBE) and, if the successful bidder on this project, it may award subcontracts to or enter into supply agreements with the following firms as indicated *(use additional sheets if necessary):*

NAME OF MBE/WBE* WA. STATE CERTIFICATION NO.		IDENTIFICATION & VALUE OF SUBCONTRACTS / SUPPLIES		
MINORITY BUSINESS				
SUBCONTRACTING GOAL	\$	MBE TOTAL	\$	
WOMEN'S BUSINESS SUBCONTRACTING GOAL	\$	WBE TOTAL	\$	
COMBINATION GOAL:	\$	MBE/WBE TOTAL	\$	
*Designate MBE or WBE				
Mr./ Mrs./ Ms				

liaison officer for the administration of the dollar value of contract work to be performed by MBE/WBE firms.

THIS PAGES MUST BE COMPLETED AND UPLOADED INTO THE CITY OF SPOKANE'S **ELECTRONIC BIDDING SYSTEM.**

BID BOND

We,	as Principal,
and	as Surety,
are held and firmly bound unto the CITY OF SPOKANE, a Washington State mu	nicipal
corporation, in the penal sum of FIVE PERCENT (5%) OF THE TOTAL AMOUN	T BID, for the
payment of which we jointly and severally bind ourselves, and our legal represen	itatives and
successors.	

THE CONDITIONS OF THE OBLIGATION are that if the City of Spokane shall make timely award to the Principal for the

UNDERHILL PARK SPORT COURT RENOVATION - BID

according to the terms of the bid made by the Principal; and the Principal shall, within the specified time, enter into a contract with the City of Spokane and furnish bond(s) acceptable to the City, if required, then this obligation shall be null and void; otherwise it shall remain in full force and effect; but in no event will the surety's liability exceed this bond's face amount.

SIGNED AND SEALED on

AS PRINCIPAL

By: _____

Title: _____

A valid POWER OF ATTORNEY must accompany this bond.

AS SURETY

By: ______Attorney in Fact

AIA DOCUMENT A201 "GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION"

By reference, the printed document "General Conditions of the Contract for Construction, AIA Document A201, 2007edition, is hereby included and shall be part of the Contract Documents. Copies of AIA Document A201 are available for review at the offices of the Owner. Copies may also be purchased from the American Institute of Architects or its local distributor.

SUPPLEMENTARY GENERAL CONDITIONS OF THE CONTRACT

The following supplements modify the "General Conditions of the Contract for Construction," AIA Document A201, 2007. Where a portion of the General Conditions is modified or deleted by these Supplementary Conditions, the unaltered portions of the General Conditions shall remain in effect.

ARTICLE 1 - GENERAL PROVISIONS

- 1.1 BASIC DEFINITONS
- 1.1.1 Change the last sentence in paragraph 1.1.1 to read:

The Contract Documents include Request for Bids, Instructions to Bidders, Bid Proposal Forms, Bid Bond, Performance Bond, Payment Bond and Contractor's Bid.

1.1.1 Add the following to paragraph 1.1.1:

It shall be the responsibility of the Contractor and each subcontractor to appraise themselves of all conditions, limitations and requirements of these documents which are considered a part of each section of each division of this specification as if printed therein.

1.1.1.2 Add a subparagraph 1.1.1.2 to read:

Should conflict occur in or between drawings and specifications, Contractor is deemed to have estimated the more expensive way of doing work unless he asked for and obtained written decision by addenda as to which method or materials will be required.

1.1.1.3 Add a subparagraph 1.1.1.3 to read:

Where the word "similar" occurs on drawings, it shall be used in its general sense and not as meaning identical, and all details shall be worked out in relationship to their location and their connection to other parts of the work.

1.1.1.4 Add a subparagraph 1.1.1.4 to read:

Where used in conjunction with the Architect's response to submittals, requests, applications, inquiries, reports and claims by the Contractor, the meaning of the term "approved" will be held to the limitations of the Architect's responsibilities and duties as specified in the Conditions of the Contract. In no case will "approval" by the Architect be interpreted as an assurance to the Contractor that the requirements of the contract documents have been fulfilled.

1.1.5 Add the following to paragraph 1.1.5

Where on any drawings a portion of work is drawn out and remainder is indicated in outline, the drawn out parts shall apply also to other like portions of the work. Where detail is indicated by starting only, such details shall be continued throughout the courses or parts in which it occurs and shall also apply to all other similar parts in the work unless otherwise indicated.

Drawings are in general diagrammatic and do not necessarily show complete details of the work, or materials, and do not necessarily show the construction sequence that may affect the Contractor means and methods. The Contractor shall coordinate to sequence the parts to a completed whole.

1.1.6 Add the following to paragraph 1.1.6:

These specifications are of the abbreviated or "streamlined" type and frequently include incomplete sentences. The word "product" includes materials, systems and equipment. The word "selected" means "selected by the Architect". The word "coordinate" means "satisfactorily combine the work of all trades for a complete and operating installation." Words such as "shall", "the Contractor shall", "shall be", and similar mandatory phrases shall be supplied by inference in the same manner as they are in a note on the drawings. The Contractor shall provide all items, articles, materials, and operations listed, including all labor, materials, equipment and incidentals required for their completion.

1.2 CORRELATION AND INTENT OF THE CONTRACT DOCUMENTS

1.2.1 Add a subparagraph 1.2.1 to read:

Conflicts in the documents shall be brought to the Architect's attention. In the event of conflicts or discrepancies among the contract documents, interpretations will be made by the Architect in accordance with this principle of complementary relationship among documents, with reference to the following priorities if necessary to reach a conclusion:

- a. Modifications.
- b. Agreement.
- c. National, State and Local Codes and Ordinances.
- d. Supplementary Conditions.
- e. General Conditions of the Contract for Construction.
- f. Project Manual and any Addenda. Addenda of later date take precedence over those of earlier date.
- g. Drawings. Drawings of larger scale and greater detail take precedence over drawings of smaller scale and less detail.
- 1.2.2 Add the following to Paragraph 1.2.2:

Such organization shall not operate to make the Architect an arbiter to establish subcontract limits between Contractor and Subcontractor.

1.2.4 Add a subparagraph 1.2.4 to read:

Conditions of the Contract shall be read by all prime contractors and by each subcontractor or sub-subcontractor and shall be considered a part of each section of the Technical Specifications. Provisions of Contract Documents are binding on the contractors, subcontractor and sub-subcontractors for all work shown or indicated on the original Contract Documents plus any additional work authorized by change order, interpretation or field orders.

1.2.5 Add a subparagraph 1.2.5 to read:

The Contractor shall notify the Architect of any condition he finds where, in his judgment, it will be desirable to modify the requirements to produce the best results. If the Contractor fails to make such request, it is deemed to have accepted the specified and/or detailed method of installation as being adequate to produce first class, satisfactory work. Should conflict occur in or between drawings and specifications, the Contractor is deemed to have estimated on the more expensive way of doing the work unless it shall have asked for, and obtained a written decision seven (7) calendar days before submission of proposal as to which method or materials will be required. Manufacturer's equipment specifications are based on models and/or construction and installation methods prevailing at the date of invitation and/or advertisement to submit to manufacturer's model and/or construction changes and other variations from the items specified shall be furnished and installed at no additional cost to Owner.

1.2.6 Add a subparagraph 1.2.6 to read:

Requests by the Contractor for written interpretations and/or detail drawings shall be made to the Architect in a timely manner such as will allow ample time for their preparation and delivery without causing delays in the work. Failure of the Contractor to request needed clarifications and/or its proceeding with affected work prior to receiving same shall indicate its acceptance of any and all costs and/or delays required on account of necessary corrections.

ARTICLE 2 - OWNER

- 2.1 GENERAL
- 2.1.1 Add a new sentence to read:

The Owner is the City of Spokane, Washington.

- 2.2 INFORMATION AND SERVICES REQUIRED OF THE OWNER
- 2.2.5 Delete subparagraph 2.2.5 and replace with:

The Contractor will be furnished free of charge three (3) copies of drawings and project manuals. Unless otherwise agreed, additional sets will be furnished at the cost of reproduction, postage and handling.

3.2 REVIEW OF CONTRACT DOCUMENTS AND FIELD CONDITIONS BY CONTRACTOR

3.2.1 Add the following to subparagraph 3.2.1:

If the Contractor observes any errors, discrepancies or omissions in the Contract Documents, it shall promptly notify the Architect, requesting clarification. If the Contractor proceeds with Work affected by such errors, discrepancies or omissions without receiving such clarification, it does so at its own risk. Any adjustments involving such circumstances made by the Contractor, prior to approval by the Architect, shall be at the Contractor's risk and the settlement of any complications or disputes arising therefrom shall be at the Contractor's sole expense.

3.3 SUPERVISION AND CONSTRUCTION PROCEDURES

3.3.4 Add a subparagraph 3.3.4 to read:

The Contractor shall be solely responsible for any claims for wages or compensations by the Contractor's employee, agents, representatives, including subcontractors.

3.3.5 Add a subparagraph 3.3.5 to read:

All grades, levels, bench marks, locations and corners shall be correctly verified by the Contractor.

3.3.6 Add a subparagraph 3.3.6 to read:

In accordance with RCW 39.06.020, the Contractor must verify responsibility criteria for each first tier subcontractor, and a subcontractor of any tier that hires other subcontractors must verify responsibility criteria for each of its subcontractors. Verification shall include that each subcontractor, at the time of subcontract execution, meets the responsibility criteria listed in RCW <u>39.04.350(1)</u> and possesses an electrical contractor license, if required by chapter <u>19.28</u> RCW, or an elevator contractor license, if required by chapter <u>70.87</u> RCW. This verification requirement, as well as the responsibility criteria, must be included in every public works contract and subcontract of every tier.

3.4 LABOR AND MATERIALS

3.4.1 Add the following to subparagraph 3.4.1:

The Contractor shall be solely responsible for all materials and equipment until the completed project is delivered and accepted by the Owner. The Contractor shall, at its own expense, secure and maintain a storage area for his materials and equipment."

3.4.2 Add the following to subparagraph 3.4.2:

After the Contract has been executed the Owner and the Architect will consider a formal request for the substitution of products in place of those specified only under the following conditions set forth in the General Requirements (Division 1 of the Specifications).

- a. Required product cannot be supplied in time for compliance with Contract time requirements.
- b. Required product is not acceptable to governing authority, or determined to be non-compatible, or cannot be properly coordinated, warranted, or insured, or has other recognized disability as certified by Contractor.
- c. Substantial advantage is offered Owner after deducting offsetting disadvantages including delays, additional compensation to Architect for redesign, investigation, evaluation, and other necessary services, and similar considerations.

By making requests for substitutions based on the above paragraph, the Contractor:

- a. represents that it has personally investigated the proposed substitute product and determined that it is equal or superior in all respects to that specified;
- b. represents that it will provide the same warranty for the substitutions as it would have for the product specified;
- c. certifies that the cost data presented is complete and includes all related costs for the substituted product and for Work that must be changed as a result of the substitution, except for the Architect's redesign costs, and waives all claims for additional costs related to the substitution which subsequently become apparent; and
- d. will coordinate the installation of the accepted substitute, making such changes as may be required for the work to be complete in all respects.

3.5 WARRANTY

3.5 Revise the third sentence to read:

Work not conforming to these requirements, including substitutions not properly approved and authorized, shall be considered defective.

Revise the last sentence to read;

The Contractor shall furnish satisfactory evidence as to the kind and quality of materials and equipment.

3.5.1 Add a subparagraph 3.5.1 to read:

The Contractor guarantees all work, labor and materials for one (1) year following final acceptance of the Work. If any unsatisfactory condition or defect develops within that time, the Contractor shall immediately place the Work in a satisfactory condition and repair all damage caused by the condition or defects at its sole expense. This guarantee does not apply to Work which has been abused or neglected by the Owner. This guarantee shall be separate from and in addition to any more extensive warranty requirements specified for certain elements and products used in the Work.

3.6 TAXES:

3.6.1 Add a subparagraph 3.6.1 to read:

The Washington Department of Revenue has issued special rules designed to assist the Contractor in accurately reporting to the Department of Revenue the Contractor's tax liability. Although the Owner may furnish information in the specification regarding the application of state taxes to a particular contract or bid item, it shall be the Contractor's responsibility as to the correct interpretation of the laws and regulations relating to such taxes. Adjustments will not be made in the amount to be paid by the Owner under the contract because of any misunderstanding by the Contractor as to the Contractor's liability for, or the amount of, any taxes. If the Contractor is in doubt as to the tax procedures in any particular case, the Contractor shall consult with the Washington State Department of Revenue.

3.6.2 Add a subparagraph 3.6.2 to read:

The contract sum and any agreed variations thereof shall include all taxes imposed by law, and properly chargeable to the project except Sales Tax. Sales Tax applicable to the contract sum will be collected from the Owner and shall be paid to the State Department of Revenue by the Contractor in conformance with the law. State of Washington Sales Tax shall not be included in the bid price, <u>except</u> that the retail sales tax upon sales and rentals to prime contractors and subcontractors of tools, machinery and equipment, and consumable supplies, such as hand and machine tools, cranes, air compressors, bulldozers, lubricating oil, sandpaper and form lumber which are primarily for use by the Contractor rather than for resale as a component part of the finished structure, shall be included in the bid price. (WAC-458-20-170).

- 3.7 PERMITS, FEES AND NOTICES
- 3.7.1 Add the following to subparagraph 3.7.1:

Below is a list of permits that may be required on typical projects, and where they may be obtained. The list is included for the Contractor's benefit and is not considered exhaustive. Note that the Northside Landfill is in the City of Spokane. The Southside Landfill is in Spokane County.

City Business License, Taxes and Licenses	625-6070
Hydrant Permit, Hydrant Foreman	625-7800
Hydrant Permit, Engineering Services	625-6300
NOI/Construction Stormwater	
Permit, Department of Ecology	(360) 407-6467

3.7.6 Add a subparagraph 3.7.6 to read:

The Contractor and every subcontractor (and suppliers when legally required) shall obtain a City business license prior to beginning their work.

3.7.7 Add a subparagraph 3.7.7 to read:

The Contractor shall pay for the use of municipal or private property for storage of materials, parking, temporary obstructions, enclosures, opening and patching of streets, etc., off of the property arising from construction and completion of work. The Contractor shall furnish to the Owner and the Architect no later than the preconstruction conference the permit numbers for mechanical, electrical, plumbing and any other required permits that must be obtained through governing agencies.

3.9 SUPERINTENDENT

3.9.1 Delete subparagraph 3.9.1 and replace with:

The Contractor shall employ a competent superintendent and necessary assistant who shall be in attendance at the Project site during the progress of the Work. The superintendent shall be satisfactory to the Owner and the Architect and shall not be changed except with the consent of the Owner and the Architect, which shall not be unreasonably withheld, unless the superintendent proves to be unsatisfactory to the Contractor and ceases to be in his employ. The superintendent shall represent the Contractor and all communication given to the superintendent shall be as binding as if given to the Contractor. Important communications will be confirmed in writing. Other communications will be so confirmed on written request in each case.

3.9.4 Add a subparagraph 3.9.4 to read:

Contractor shall be responsible to fully inform its superintendent of all project progress, problems, decisions, changes, and deficiencies as they happen.

- 3.11 DOCUMENTS AND SAMPLES AT THE SITE
- 3.11.1 Add a subparagraph 3.11.1 to read:

Record drawings shall be kept clean, and notations shall be made using clear, concise drafting techniques acceptable to the Architect.

The Contractor shall also maintain at the site for availability of the Owner and/or Architect one copy of all inspection reports and other written communications from the Architect and/or subcontractors, other prime contractors, materials suppliers, etc.

- 3.18 INDEMNIFICATION
- 3.18.2 Add the following to subparagraph 3.18.2:

The Contractor recognizes that this waiver was specifically entered into pursuant to the provisions of RCW 4.24.115 and was the subject of mutual negotiation.

ARTICLE 4 - ADMINISTRATION OF THE CONTRACT

- 4.2 ADMINISTRATION OF THE CONTRACT
- 4.2.1 Add the following to subparagraph 4.2.1:

If the Owner has not designated an Architect to provide Contract Administration, the word "Architect" shall be read as the Owner's Representative.

ARTICLE 5 - SUBCONTRACTORS

5.2 AWARD OF SUBCONTRACTS AND OTHER CONTRACTS FOR PORTIONS OF THE WORK

5.2.1 Delete subparagraph 5.2.1 and replace with:

The Bidder shall at time of bid opening submit the names of the subcontractors with whom the Bidder, if awarded the contract, will subcontract for performances of the work. The Bidder shall not list more than one subcontractor for each category of work identified, unless the subcontractors vary with bid alternates, in which case the Bidder must indicate which subcontractor will be used for which alternate. As circumstances change during the Work, the Contractor shall submit the names of all person or entities (including those who are to furnish materials or equipment fabricated to a special design).

Not later than seven (7) days after the date of Notice to Proceed, the Contractor shall furnish in writing to the Owner through the Architect the names of persons or entities proposed as manufacturers for each of the products identified in the General Requirements (Division 1 of the Specifications) and, where applicable, the name of the installing subcontractor.

The Contractor shall submit as part of the bid, , the names of the subcontractors with whom the bidder, if awarded the contract, will subcontract for performance of the work of HVAC (heating, ventilation and air conditioning); plumbing as described in chapter 18.106 RCW; and electrical as described in chapter 19.28 RCW; or to name itself for the work. The prime contract bidder shall not list more than one (1) subcontractor for each category of work identified unless subcontractors vary with bid alternates, in which case the prime contract bidder must indicate which subcontractor will be used for which alternate. Failure of the prime contract bidder to submit as part of the bid the names of such subcontractors to perform the same work shall render the prime contract bidder's bid nonresponsive and, therefore, void.

5.3 SUBCONTRACTUAL RELATIONS

5.3.1 Add a subparagraph 5.3.1 to read:

It is the responsibility of any subcontractor whose work must be applied or installed on or within work of other trades to examine conditions affecting its work. The subcontractor should notify the Contractor, in writing, with copy to the Architect, of any unsuitable or improperly prepared surfaces or conditions. Commencing work or absence of notification in writing constitutes acceptance of surfaces or conditions by a subcontractor, and it will be its responsibility to correct any defect in its work appearing thereafter.

ARTICLE 7 - CHANGES IN THE WORK

- 7.1 GENERAL
- 7.1.4 Add a new subparagraph 7.1.4 to read:

The combined overhead and profit included in the total cost to the Owner for a change in the Work shall be based on the following schedule:

a. For Contractor, for any work actually performed by Contractor's own forces, fifteen percent (15%) of the direct cost of material and labor up to \$50,000 or ten percent (10%) of direct costs of changes exceeding \$50,000.

- b. For Contractor, for any work performed by its subcontractor(s), eight percent (8%) of the amount due each subcontractor up to \$50,000 or six percent (6%) of the cots due each subcontractor for costs exceeding \$50,000.
- c. For each subcontractor (including lower tier subcontractors), for any work actually performed by its own forces, fifteen percent (15%) of the direct cost of materials and labor up to \$50,000 or ten percent (10%) of direct costs of changes exceeding \$50,000.
- d. For each subcontractor, for any work performed by its subcontractor(s) of any lower tier, eight percent (8%) of the amount due the sub-subcontractor up to \$50,000, or six percent (6%) of the costs due each subcontractor for costs exceeding \$50,000.
- 7.2 CHANGE ORDERS
- 7.2.2 Add a subparagraph 7.2.2 to read:

Any Change Order prepared, shall constitute a final and full settlement of all matters relating to or affected by the change in the Work, including, but not limited to, all direct, indirect, and consequential costs associated with the change and any and all adjustments to the Contract Sum and Contract Time. In the event a Change Order increases the Contract Sum, the Contractor shall include the work covered by such Change Order in the Application for Payment as if such work were originally part of the Project and Contract Documents.

7.2.3 Add a subparagraph 7.2.3 to read:

Contractor shall promptly respond to Change Order request for proposal within fifteen (15) days or such longer period as may be mutually acceptable for complex changes.

7.2.4 Add a subparagraph 7.2.4 to read:

The Contractor shall provide a cost breakdown for all adjustments in the contract sum, i.e. Change Orders, Proposals, and Construction Change Directives.

- 7.3 CONSTRUCTION CHANGE AUTHORIZATION
- 7.3.6 Revise the last sentence in subparagraph 7.3.6 to read:

Such agreement shall be effective immediately and shall be incorporated into a future Change Order.

7.3.11 Add a subparagraph 7.3.11 to read:

Overhead is defined as costs for all noncraft labor, temporary construction facilities, field engineering, schedule updating, as-built drawings, home office cost, B&O taxes, office engineering, estimating costs, small tools, safety, insurance and any other cost incidental to the change in the Work.

ARTICLE 8 - TIME

8.3 DELAYS AND EXTENSIONS OF TIME:

8.3.1 Delete paragraph 8.3.1 and replace with:

If the Contractor is delayed at any time in the commencement or progress of the Work by an act or neglect of the Owner or Architect, or of an employee of either, or of a separate contractor employed by the Owner, or by changes ordered in the Work, or by labor disputes, fire, unavoidable casualties or other causes beyond the contractor's control, or by delay authorized by the Owner pending mediation and arbitration or by other causes which may justify delay as determined both by the Architect and Owner, then the Contract Time shall be extended by Change Order for such reasonable time.

8.3.4 Add a subparagraph 8.3.4 to read:

The Contract time shall be adjusted only for changes in the work pursuant to Article 7, and excusable delay pursuant to this Paragraph 8.3 as determined by the Architect. In the event the Contractor requests an extension of the contract time, it shall furnish the justification and supporting evidence as the Architect may deem necessary for a determination as to whether the Contractor is entitled to an extension of time under this Contract. After receipt of such documentation, the Architect shall make its findings of fact and so advise the Contractor in writing. The determination shall be based upon the approved Contractor's schedule current at the time of the delay.

- 8.4 Add a new section to read:
- 8.4 LIQUIDATED DAMAGES
- 8.4.1 Time is of the essence of the contract. Delays inconvenience the traveling public, obstructing traffic, interfere with daily commerce, and increase risk to the traveling public. Delays also cost taxpayers undue sums of money, adding time needed for administration, engineering, inspections and supervision.
- 8.4.2 Because the Owner finds it impractical and extremely difficult to calculate the actual damages which will be suffered by the Owner as a result of the Contractor's failure to complete the work on time, the Owner has adopted liquidated damages for this Work as set forth in the bid proposal.

ARTICLE 9 - PAYMENTS AND COMPLETION

- 9.1 CONTRACT SUM
- 9.1 Delete paragraph 9.1 and replace with:

The Contract Sum is stated in the Agreement and, including authorized adjustments, is the total amount payable by the Owner to the Contractor for performance of the Work under the Contract Documents. The Contract Sum and adjustment thereof shall include all taxes imposed by law except the Washington State Sales Tax, which will be paid by the Owner to Contractor, who shall pay tax to the State of Washington in accordance with the law.

9.3 APPLICATIONS FOR PAYMENT

9.3.4 Add a subparagraph 9.3.4 to read:

The Owner will pay ninety-five percent (95%) of the amount due the Contractor on account of progress payments. Five percent (5%) will be held as retainage pursuant to chapter 60.28 RCW.

- 9.4 CERTIFICATES FOR PAYMENT
- 9.4.2 Add the following to subparagraph 9.4.2:

Payment will not constitute a waiver of any claims by the Owner that the Work fails to comply with the Contract Documents.

9.6 PROGRESS PAYMENTS

9.6.8 Add a subparagraph 9.6.8 to read:

Pursuant to chapter 60.28 RCW there will be reserved and retained from monies earned by the Contractor on estimates during the progress of the Work a sum not to exceed five percent (5%) of the monies earned by the Contractor. The retainage shall be used as a trust fund for the protection and payment: (1) to the State with respect to taxes imposed pursuant to Title 82, RCW which may be due from such Contractor, and (2) of any person or persons, mechanic, subcontractor or material supplier who shall perform any labor upon the contract or the doing of the work, and all persons who shall supply such person or persons or subcontractor with provisions or supplies for carrying on the work. Release of retainage will be made forty five (45) days following final acceptance of the work provided the following conditions are met:

- a. The City has received from the Contractor and each subcontractor a copy of a "Statement of Intent to Pay Prevailing Wages" and an "Affidavit of Wages Paid", approved by the State Department of Labor and Industries.
- b. On contracts greater than \$35,000, the City has received a release of liability from the State Department of Employment Security.
- c. On contracts greater than \$35,000, the City has received a release of liability from the State Department of Labor and Industries.
- d. On contracts greater than \$35,000, the City has received a release from the State Department of Revenue.
- e. No claims, as provided by law, have been filed against the retainage.

In the event a claim is filed, the Contractor shall be paid a portion of the retainage which is less an amount sufficient to pay the claim and potential legal costs.

9.6.9 Add a subparagraph 9.6.9 to read:

Before payment is made, the Owner shall require the Contractor and each subcontractor to submit a Statement of Intent to Pay Prevailing Wages to the Owner's Accounting Department which has been approved by the State Department of Labor and Industries before submittal. Unless otherwise authorized by the Department of Labor and Industries, each voucher claim (invoice) submitted by a Contractor for payment on a project estimate shall have a certification which states that the prevailing wages have been paid in accordance with the prefiled Statement(s) of Intent to Pay Prevailing Wages. Below is an example of the certification which is to appear on each voucher claim (invoice) submitted by the Contractor for payment.

<u>CERTIFICATE</u>

I certify that wages have been paid in accordance with the Statement (s) of Intent to Pay Prevailing Wages previously certified and filed pursuant to this contract.

By:_____ Date: _____

The fee for the approval of Statements of Intent to Pay Prevailing Wages and Affidavits of Wages is forty dollars (\$40.00) for each form. The Contractor is responsible for payment of these fees and shall make all application directly to the Department of Labor and Industries. Reimbursement for the fees paid by the Contractor will be added to the amounts due the Contractor. In order to receive this reimbursement the Contractor will be required to submit to the Owner prior to final acceptance of the Work a list of its subcontractors at all tiers and have their Statements of Intent to Pay Prevailing Wages on file with the Owner.

ARTICLE 10 - PROTECTION OF PERSONS AND PROPERTY

- 10.1 SAFETY PRECAUTIONS AND PROGRAMS
- 10.1.1 Add a subparagraph 10.1.1 to read:

If the Work involves trench excavation which will exceed a depth of four feet, the Contractor shall provide adequate safety systems for the trench excavation that meet the requirements of the Washington industrial safety and health act (chapter 49.17 RCW).

- 10.2 SAFETY OF PERSONS AND PROPERTY
- 10.2.4 Add the following to subparagraph 10.2.4:

The Contractor shall give the Owner reasonable advance notice of the use or storage.

ARTICLE 11 – INSURANCE AND BONDS

- 11.1 CONTRACTOR'S LIABILITY INSURANCE
- 11.1 Delete paragraph 11.1 and replace with:

During the term of the contract, the Contractor shall maintain in force at its own expense, the below insurance:

- Worker's Compensation Insurance in compliance with RCW 51.12.020, which requires subject employers to provide workers' compensation coverage for all their subject workers and Employer's Liability or Stop Gap Insurance in the Amount of one million (\$1,000,000);
- b. General Liability Insurance on an occurrence basis, with a combined single limit of not less than three million (\$3,000,000) each occurrence for bodily injury and property damage. It shall include premises and operations, independent contractors, products and completed operations, personal injury liability and contractual liability coverage for the indemnity provided under the contract. It shall provide that the City, its officers, and employees and the Architect are additional insureds but only with respect to the Contractor's services to be

provided under the contract;

- c. Automobile Liability Insurance with a combined single limit, or the equivalent of not less than \$1,000,000 each accident for bodily injury and property damage, including coverage for owned, hired and non-owned vehicles.
- d. Contractors Pollution Legal Liability. This insurance covers sums the Contractor is legally obligated to pay as a result of emission, discharge, release, or escape of any contaminants, irritants, or pollutants in or on land, the atmosphere, or any water course or body of water, provided this results in environmental damage, providing coverage for claims involving remediation, disposal, or other handling of pollutants arising out of: (a) Contractor's operations related to this project; (b) transportation of hazardous materials to or from any site related to this project, including, but not limited to, the project site; and (c) remediation, abatement, repair, maintenance or other work.

The Contractors Pollution Legal Liability policy shall provide the following minimum coverage for Bodily Injury and Property Damage, including sudden and accidental pollution conditions and, coverage must extend to both bodily injury and property damage. \$1,000,000 per occurrence

There shall be no cancellation, material change, reduction of limits or intent not to renew the insurance coverage(s) without thirty (30) days written notice from the Company or its insurer(s) to the City. As evidence of the insurance coverage(s) required by this Agreement, the Company shall furnish acceptable Certificates of Insurance (COI) upon request by the City. The certificate shall specify the City of Spokane as "Additional Insured" specifically for Company's services under this Agreement, as well as all of the parties who are additional insureds, and include applicable policy endorsements, the thirty (30) day cancellation clause, and the deduction or retention level. The Company shall be financially responsible for all pertinent deductibles, self-insured retentions, and/or self-insurance.

- 11.3 PROPERTY INSURANCE
- 11.3.1 Revise "Owner" to "Contractor" in subparagraph 11.3.1.
- 11.3.1.2 Delete subparagraph 11.3.1.2.
- 11.3.1.3 Revise "Owner" to "Contractor" in subparagraph 11.3.1.3.
- 11.4 PERFORMANCE AND PAYMENT BOND
- 11.4 Delete entirely and revise to read:

The Contractor shall furnish at its sole cost, a performance bond and a payment bond to the Owner on the form to be provided by the Owner, each equal to one hundred percent (100%) of the contract price. The bonds are to insure faithful and complete performance of the contract and payment of all obligations to laborers and material men arising from the project. The bonds are to be executed by a surety company authorized to do business as a surety in Washington State, and shall remain in effect for one (1) year following the Owner's final acceptance of the Work. Unless approved by the Owner, the surety's name shall appear on the United States Treasury

ARTICLE 13 - MISCELLANEOUS PROVISIONS

13.5.1 Add the following to subparagraph 13.5.1:

The Owner shall employ and pay for the services of an independent agency, testing laboratory or other qualified firm to perform services which are the Owner's responsibility as defined by the International Building Code and the "Special Inspection Manual" for the International Building Code.

13.8 Add a paragraph 13.8 to read:

<u>NONDISCRIMINATION</u>. No individual shall be excluded from participation in, denied the benefit of, subjected to discrimination under, or denied employment in the administration of or in connection with this agreement because of age, sex, race, color, religion, creed, marital status, familial status, sexual orientation, national origin, honorably discharged veteran or military status, the presence of any sensory, mental or physical disability, or use of a service animal by a person with disabilities. The Contractor agrees to comply with, and to require that all subcontractors comply with, Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act, as applicable to the Contractor.

13.9 Add a paragraph 13.9 to read:

<u>ANTI-KICKBACK</u>. No officer or employee of the City of Spokane, having the power or duty to perform an official act or action related to this agreement shall have or acquire any interest in the agreement, or have solicited, accepted or granted a present or future gift, favor, service or other thing of value from or to any person involved in this agreement.

13.10 Add a paragraph 13.10 to read:

<u>APPRENTICES</u>. On Public Works construction projects, as defined in RCW 39.04.010, with an estimated cost of six hundred thousand dollars (\$600,000) or more, at least fifteen (15) percent of the labor hours on each project shall be performed by apprentices enrolled in a State-approved apprenticeship program; and for each contract in the project fifteen (15) percent of the labor hours for each craft that has an available state-approved apprenticeship program for Spokane County and utilizes more than one hundred sixty (160) hours in each contract shall be performed by apprentices enrolled in a state-approved apprenticeship program.

1. Subcontracting Requirements. The utilization percentages for apprenticeship labor for Public Works construction contracts shall also apply to all subcontracts of one hundred thousand dollars (\$100,000) or more within those contracts, and at least fifteen percent (15%) of the labor hours for each such subcontract shall be performed by apprentices in a state-approved apprenticeship program. For each craft that has an available apprenticeship program for Spokane county and performs more than one hundred sixty (160) hours on each project, fifteen (15) percent of the labor hours shall be performed by apprentices enrolled in a State-approved apprenticeship program. Each subcontract of the state applies is required to execute a

form, provided by the city, acknowledging that the requirements of Article X 07.06 SMC are applicable to the labor hours for the project.

13.11 Add a paragraph 13.11 to read:

<u>WORKERS' HOURS</u>. Notwithstanding the provisions of RCW 49.28.010 through 49.28.060, a contractor or subcontractor in any public works contract subject to those provisions may enter into an agreement with his or her employees in which the employees work up to ten hours in a calendar day. No such agreement may provide that the employee work ten-hour days for more than four calendar days a week. Any such agreement is subject to approval by the employees. The overtime provisions of RCW 49.28.020 shall not apply to the hours, up to forty hours per week, worked pursuant to agreements entered into under this section.

13.12 Add a paragraph 13.12 to read:

PREVAILING WAGES - LOCAL AND STATE ASSISTED CONSTRUCTION.

- A. The prevailing rate of wages to be paid to all workmen, laborers or mechanics employed in the performance of any part of this contract shall be in accordance with the provisions of Chapter 39.12 of the Revised Code of Washington (RCW) and the rules and regulations of the Washington State Department of Labor and Industries. The schedule of prevailing wage rates for the locality or localities where this contract will be performed will be determined by the Industrial Statistician of the Department of Labor and Industries.
- B. The State of Washington prevailing wage rates applicable for this public works project, which is located in Spokane County, may be found at the following website address of the Department of Labor and Industries: <u>https://fortress.wa.gov/lni/wagelookup/prvWagelookup.aspx</u>.

Based on the bid submittal deadline for this project, the applicable effective date for prevailing wages for this project is MONDAY, MAY 13, 2024.

- C. As the successful Bidder and its subcontractors will be held responsible for paying the prevailing wages, it is imperative that all contractors familiarize themselves with the current wage rates before submitting bids based on these specifications.
- D. Questions about current prevailing wage data may be directed to the City of Spokane Office of Contract Administration/Compliance, (509) 625-6065 or Washington State Department of Labor and Industries, (509) 324-2586.
- E. If apprentices are to be used, they must be registered with the State Apprenticeship Council; otherwise, they are to be paid prevailing journeyman wages.
- F. The Contractor or subcontractor directly contracting for "Off-Site, Prefabricated, Non-Standard, Project Specific Items" shall identify and report information required on the affidavit of wages paid form filed with the Department of Labor and Industries. The Contractor shall include language in its subcontracts requiring subcontractors and lower-tier subcontractors to comply with the reporting requirements for" Off-Site, Prefabricated, Non-Standard, Project Specific Item" on the affidavit of wages paid.

- The reporting requirement for Items shall apply for all public works contracts estimated to cost over \$1 million entered into by the Owner and Contractor between September 1, 2010 through December 31, 2013.
- "Off-site, prefabricated, nonstandard, project specific items" means products or items that are:
- a) Made primarily of architectural or structural precast concrete, fabricated steel, pipe and pipe systems, or sheet metal and sheet metal duct work;
- b) Produced specifically for the public work and not considered to be regularly available shelf items;
- c) Produced or manufactured by labor expended to assemble or modify standard items; and
- d) Produced at an off-site location outside Washington.
- The Contractor or subcontractor shall comply with the reporting requirements and instructions on the affidavit of wages paid form, and shall report the following information on the affidavit of wages paid form submitted to the Department of Labor and Industries in order to comply with the reporting requirements for use of "Off-Site, Prefabricated, Non-Standard, Project Specific" items:
- a) The estimated cost of the public works project;
- b) The name of the awarding agency and the project title;
- c) The contract value of the off-site, prefabricated, nonstandard, project specific items produced outside of Washington State, including labor and materials; and
- d) The name, address, and federal employer identification number of the contractor that produced the off-site, prefabricated, nonstandard, project specific items.

ARTICLE 15 - CLAIMS AND DISPUTES

15.1 CLAIMS

15.1.5.2 Add the following to subparagraph 15.1.5.2:

Source of the weather data to be used in documenting weather delays will be the National Oceanic and Atmospheric Administration (NOAA).

- 15.2 INITIAL DECISION
- 15.2.8 Delete subparagraph 15.2.8.
- 15.4 ARBITRATION
- 15.4.4 Delete Subparagraph 15.4.4.

END OF SUPPLEMENTARY GENERAL CONDITIONS



City of Spokane, Washington Supplemental Bidder Responsibility Criteria (General Contractor)

After bid opening and prior to award, the apparent low bidder shall complete, sign and submit this form with attachments to the City (See instructions at the end of this form). The form shall be submitted within twenty four (24) hours after the notification, unless a different time and date is required by the specifications or otherwise mutually agreed upon.

. , , ,	
Project Name: UNDERHILL PARK SPORT COUL	RT RENOVATION - BID
	Project #6109-24
Part A: General Company Information	
Company Name	
Address	
Contact Name and Title	
Contact Phone	Contact E-mail
Years in business as a Prime Contractor	Years in business as a sub-contractor
Years in business under present Name	
in the past five (5) years	the company, its owners, and/or its principals has operated
Explain reason for name change(s) in the past	five (5) years
Experience form which are similar in type, size List three (3) or more sport court renovation	within the required time frame on the attached Project e and scope of work required for this project. n or construction projects of similar type and equivalent or ct amount of at least \$150,000 that have been completed
Part C: Performance Evaluation	
	ler have a history of receiving "deficient" or "inadequate" m the City or other municipalities or another governmental ast five (5) years?
🗆 Yes 🗆 No	
If "Yes" attach a separate, signed / dated state	ement listing the projects and an explanation.
Part D: Record of Debarment / Disqualification	on
owners, officers, or partners was associated) I	actor, any firm with which any of the primary contractor's been debarred, disqualified, removed or has been otherwise ny governmental agency or public works projects, including

debarment by the federal, state or other municipal government during the last five (5) years?

🗆 Yes 🗆 No

If "Yes", attach a separate signed / dated statement listing any debarments, disqualifications, removal, etc. from any governmental public works project and the basis for the action.

Part E: Safety

In the last five (5) years, has the bidder received willful or repeat violations of safety or health regulations by the OSHA or other agencies responsible for safety oversight?

🗆 Yes 🗆 No

If "Yes," attach a separate signed /dated statement describing each willful or repeat violation, including information about the dates and nature of the violations, the project on which the citation(s) was or were issued, the amount of penalty paid, if any. If the citation was appealed and a decision has been issued, state the case number and the date of the decision.

Part F: Environmental

In the last five (5) years, has the bidder received serious citations from government environmental enforcement agencies on projects for which the bidder was the contractor?

🗆 Yes 🗆 No

If "Yes," attach a separate signed / dated statement describing each serious citation, including information about the dates of the citations, the nature of the violation, the project on which the citation(s) was or were issued, the amount of penalty paid, if any. If the citation was appealed and a decision has been issued, state the case number and the date of the decision.

Part G. Utilization Requirements

In the last five (5) years, has it been determined by a government agency that the bidder did not comply with disadvantaged business enterprises, apprenticeship or other similar utilization requirements on public works projects?

🗆 Yes 🗆 No

If "Yes", attach a separate signed / dated statement listing the violations or failures to meet utilization requirements along with a detailed explanation of the extenuating circumstances surrounding the violation and/or failure.

Part H: Discrimination

Has the bidder or any of its owners, officers or partners been found guilty of violating or failing to comply with discrimination laws in contracting, employment or provision of public services?

🗆 Yes 🗆 No

If "Yes", attach a separate signed / dated statement identifying the type of violation, who was involves, the name of the public agency, year of the investigation, the resolution in court or administrative process, and the grounds for the findings.

Part I. Prevailing Wage

In the last five (5) years, has the bidder received prevailing wage violations as determined by the applicable state or federal government agency monitoring prevailing and/or Davis Bacon wage compliance?

🗆 Yes 🗆 No

If "Yes," attach a separate signed/dated statement listing the prevailing wage violations, along with an explanation of each violation and how it was resolved. The City shall evaluation these explanations and the resolution of each violation to determine whether the violations demonstrate a pattern of failure to pay prevailing wages to workers unless there are extenuating circumstances acceptable to the City.

Part J: Public Bidding Crime (Criminal Convictions)

Has the bidder been convicted of a crime involving bidding on a public works contract within the last five (5) years?

□ Yes □ No

If "Yes", attach a separate signed / dated statement listing the dates of conviction(s), the offense(s) convicted of, the punishment, and a brief statement of the facts underlying the conviction(s)

Part K. Claims Against Retainage and Bonds

Does the bidder have a record of multiple claims filed against the retainage or payment bonds for public works projects during the previous three (3) years?

□ Yes □ No

If "Yes", attach a separate signed / dated statement listing the claims filed against the retainage and/or payment bond for any completed public works projects and include for each project a written explanation of the circumstances surrounding the claim and the ultimate resolution of the claim. The City shall evaluate the statement to determine if it demonstrates a lack of effective management by the bidder of making timely and appropriate payments, unless there are extenuating circumstances acceptable to the City in its sole discretion.

Part L. Termination for Cause

Has the bidder had any public works contract terminated for cause by any government agency during the previous five (5) years?

🗆 Yes 🗆 No

If "Yes", attach a separate signed / dated statement listing each contract terminated, the government agency terminating the contract and the circumstances involving the termination for cause. The City will determine if there are extenuating circumstances acceptable to the City in its sole discretion.

Part M: Litigation

Has the bidder been involved in lawsuits (or arbitrations for those instances where arbitration is completed in lieu of a lawsuit) with judgments entered against the bidder for failure to meet terms on contracts in the previous five (5) years?

🗆 Yes 🗆 No

If "Yes", attach a list of lawsuits and/or arbitrations with judgments / arbitration awards entered against the bidder along with a written explanation of the circumstances surrounding each lawsuit and/or arbitration. The City will evaluate the explanations to determine whether the lawsuits and/or arbitrations demonstrate a pattern of failing to meeting terms of conditions of contracts, unless there are extenuating circumstances acceptable to the City in its sole discretion.

Part N: Delinquent State Taxes

Does the bidder owe delinquent taxes to the Washington State Department of Revenue without a payment plan approved by the Department before the date of contract award?

🗆 Yes 🗆 No

If "Yes", attach a separate signed / dated statement describing the circumstances and stating that the bidder is not on the Washington State Department of Revenue's "Delinquent Taxpayer List".

Part O: Subcontractor Responsibility

Does the bidder's standard subcontract form include the subcontractor language required by RCW 39.06.020? Does the bidder have an established procedure which it uses to validate the responsibility of each of its subcontractor? Does the subcontract form require that each of the bidder's subcontractors have and document a similar procedure for sub-tier subcontractors?

🗆 Yes 🗆 No

If "Yes" or "No", provide a copy of its standard subcontract form and a copy of the procedures used to validate the responsibility of subcontractors.

Signature

The undersigned certifies that the information and data contained herein is correct and complete. Failure to disclose information or submitting false or misleading information may result in rejection of my bid, revocation of award, contract termination, or may impact my firm's ability to bid on future projects by the City of Spokane.

Signature of Authorized Representative

Date

Printed Name of Authorized Representative

Title

Instructions for the Supplemental Bidder Responsibility Form

After bid opening and prior to award, the apparent low bidder shall complete, sign and submit this form with attached documentation to the City of Spokane Purchasing Section by one of the methods listed below within twenty four (24) hours of notification.

The City's evaluation may include further investigations to establish the responsibility, qualifications, financial resources and experience of a bidder to complete the work of this contract. The City may contact previous owners or others to validate the information provided by the bidder. The City will assess the information provided and other information gathered in determining whether a bidder is responsible. List all information you feel is relevant to the City making an informed decision. The City reserves the right to request additional information from the bidder.

For criteria with check boxes, the bidder will check either "Yes" or "No." For each "Yes" answer on the form, the Bidder shall provide a signed and dated statement providing the project information requested and explaining the extenuating circumstances.

Form Submittal:

Submit this form to Purchasing Department by one of the following methods within twenty four (24) hours after the time of notification (unless the specifications provide a different time or date)

Email (preferable)

tprince@spokanecity.org

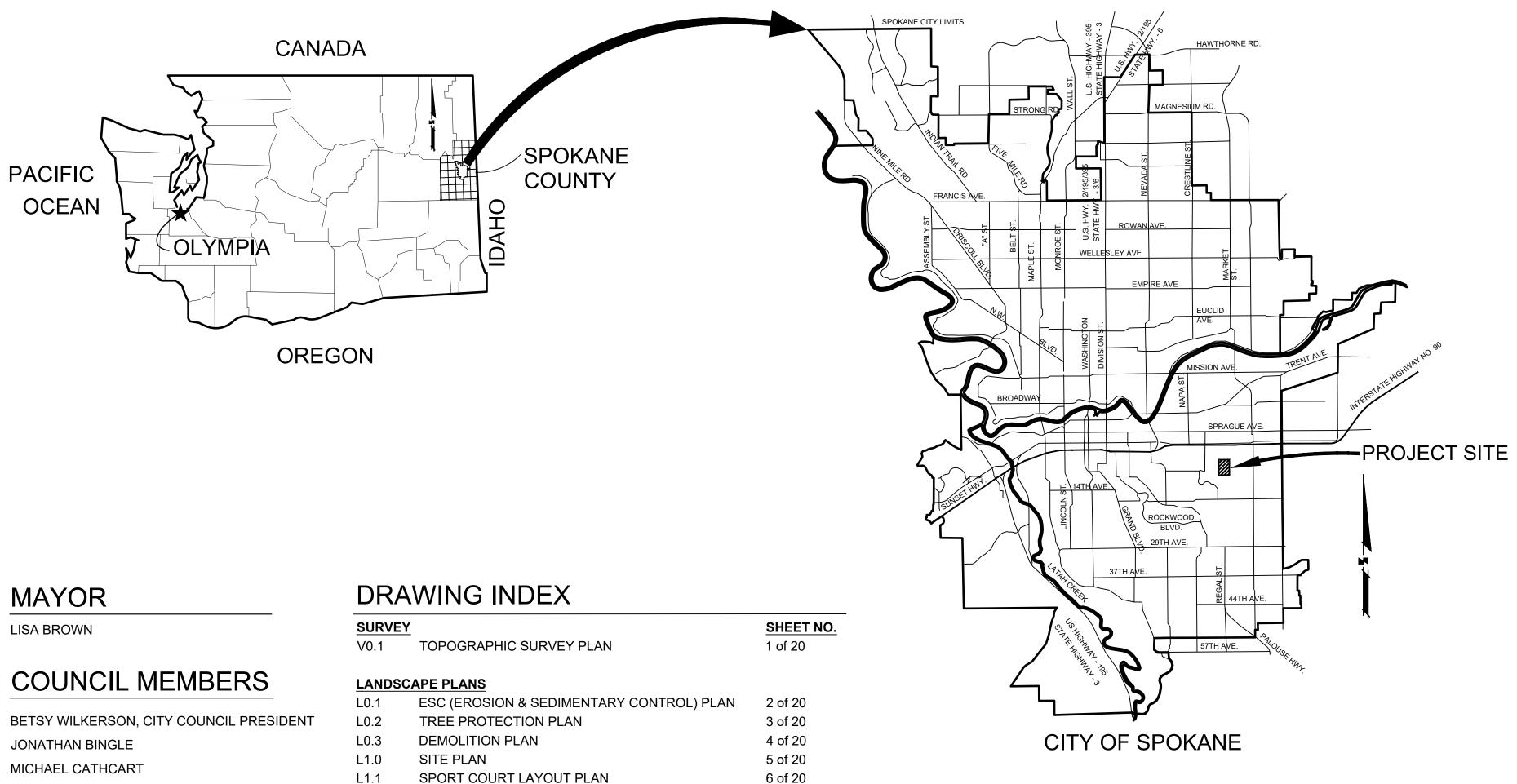
with the Email Subject line: Supplemental Bidder Form for City of Spokane UNDERHILL PARK SPORT COURT RENOVATION - BID

Questions: Please call (509) 625-6400

Attachment to Supplemental Bidder Responsibility Criteria Work Experience Form

Please complete one form per project and include the minimum number of projects (and forms) as requested. You may include any additional work experience you deem relevant in determining bidder responsibility. Please be sure to provide a thorough description of the work in order to demonstrate how your firm meets any required experience detailed in the specifications. You may attach additional documentation if needed.

PROJECT DETAIL					
		1			
Bidder's Company Name Bidde		Bidder	rs Contact Name & Phone Nu	ımber	
Project Name			Project Contract Number:		
Project Owner			Project Location		
Project Owner Contact N	ame & Title		Owner's Telephone Numbe	er	
Notice to Proceed Date	Final Completion	on	Awarded Contract Value	Final Contract Price	
	Date				
Prime Contractor Name (If Not Bidder)		Contractor Contact Name & Phone Number (If Not		
			Bidder)		
Brief Project Description					
Brief Summary Of Techni	cal Work Comple	eted By	Bidder, Including Any Releva	nt Details To Demonstrate	
-		-	Detailed In the Specification		



PAUL DILLON LILI NAVARRETE ZACK ZAPPONE KITTY KLITZKE

CITY ADMINISTRATOR

GARRETT JONES (INTERIM)

DIRECTOR OF PARKS

JASON CONLEY (INTERIM)

PROJECT CONTACT(S)

MIKE LIGHT, PLA. SPOKANE PARKS AND RECRATION MLIGHT@SPOKANECITY. ORG | (509) 724-3585

ELECTRICAL ENGINEER

DON EVANS, P.E., PRINCIPAL EVANS ENGINEERING AND CONSULTING PLLC DON@E2CENGINEERS.COM | (208) 262-9908

- SPORT COURT LAYOUT PLAN L1.1
- L2.0 GRADING PLAN
- L3.0 **IRRIGATION PLAN**
- L4.0 PLANTING PLAN
- L5.0 SITE DETAILS
- L5.1 SITE DETAILS
- L5.2 SITE DETAILS

ELECTRICAL PLANS

- LEGENDS & ABBREVIATIONS E0.1
- E0.2 ELECTRICAL SPECIFICATIONS
- E0.3 ELECTRICAL SPECIFICATIONS
- E0.4 ELECTRICAL DETAILS
- E1.1 SITE ELECTRICAL PLAN - DEMOLITION
- E1.2 SITE ELECTRICAL PLAN - NEW WORK
- E1.3 SITE PHOTOMETRIC PLAN E2.1
- **ONE-LINE & PANEL SCHEDULE**

CITY OF SPOKANE, WASHINGTON DEPARTMENT OF PARKS AND RECREATION

UNDERHILL PARK SPORT COURT RENOVATION 2024.04.22 ISSUED FOR BID

WORK LOCATION			
SITE	WORK LOCATION	TYPE OF IMPROVEMENT	
1.0	UNDERHILL PARK 2910 E HARTSON AVE, SPOKANE, WA, 99201 PARCEL: 35223.0001	SPORT COURT RENOVATION	

17 of 20 18 of 20 19 of 20

7 of 20

8 of 20

9 of 20

10 of 20

11 of 20

12 of 20

13 of 20

14 of 20

15 of 20

16 of 20

20 of 20

DESCRIPTION OF WORK

BASE BID SCOPE

GENERAL BASE BID SCOPE SUMMARY. WORK INCLUDES, BUT IS NOT LIMITED TO:

- PROTECT ALL EXISTING TREES IN PLACE UNLESS OTHERWISE NOTED ON DRAWINGS.
- DEMOLITION OF EXISTING SPORT COURT SURFACING, NETTING, POLES, FENCING, LIGHTING, AND SOFTSCAPE AREAS WITHIN LIMITS OF CONSTRUCTION AS NOTED ON DRAWINGS.
- CONSTRUCTION OF NEW BASKETBALL COURTS, PICKLEBALL COURTS, SITE FURNITURE, FENCING, AND OVERHEAD LIGHTING AS NOTED ON CONSTRUCTION DOCUMENTS
- LANDSCAPE IMPROVEMENTS, PLANTINGS, AND UNDERGROUND AUTOMATED IRRIGATION AS NOTED ON CONSTRUCTION DOCUMENTS.
- TOTAL DISTURBED SITE AREA: APPROXIMATELY 0.76 ACRES (33,300 SQ.FT.)

ALTERNATE 1

SITE LIGHTING AND POWER AS SHOWN ON PLANS.

ALTERNATE 2

 ORNAMENTAL FENCING AND GATES IN LIEU OF CHAIN LINK FENCING AND GATES AS SHOWN ON PLANS AND AS SPECIFIED.

REQUIRED COMPLETION DATE

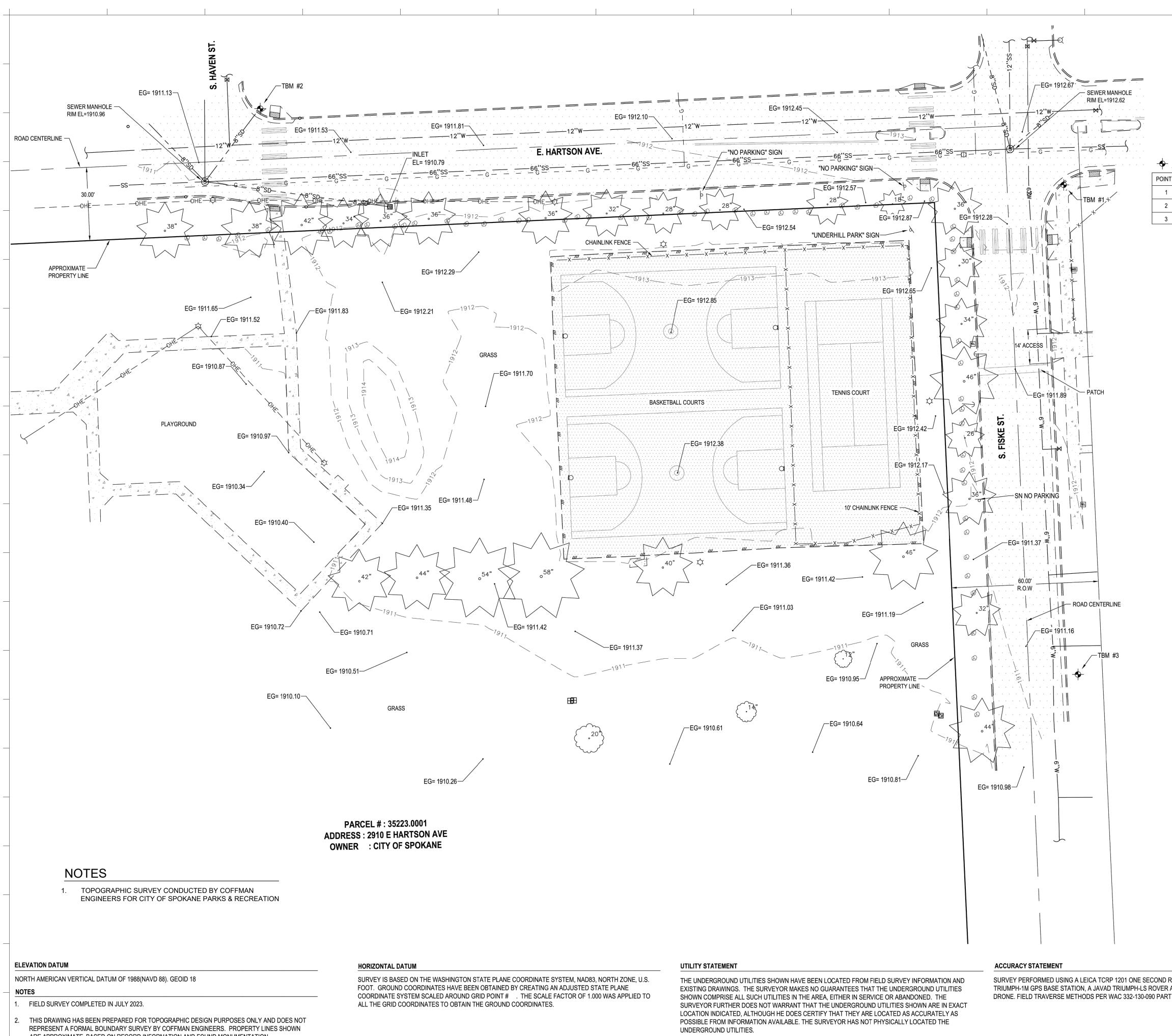
ALL WORK SHALL BE SUBSTANTIALLY COMPLETED BY NOVEMBER 8, 2024

GENERAL NOTES

- 1. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONDITIONS IN THE FIELD PRIOR TO BID SUBMISSION. ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND PROJECT INTENT / CONTRACT DOCUMENTS AFFECTING THE COST OF THE PROJECT SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE IMMEDIATELY.
- 2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. COST OF LOCATES IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- 4. CONTRACTOR IS RESPONSIBLE FOR TEMPORARY OBTAINING ALL PERMITS, INCLUDING RIGHT-OF-WAY OBSTRUCTION PERMITS WHERE APPLICABLE.
- 5. CONTRACTOR IS RESPONSIBLE FOR INCIDENTAL TRAFFIC CONTROL MEASURES AS REQUIRED IN ACCORDANCE WITH THE MANUAL ON TRAFFIC CONTROL DEVICES (MUTCD) AND WASHINGTON STATE MODIFICATIONS TO THE MUTCD
- 6. PRESERVE AND PROTECT EXISTING IMPROVEMENTS TO REMAIN. REPAIR OR REPLACE ALL HARDSCAPE AND SOFTSCAPE DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITY.
- 7. TREE PRUNING, AIR SPADING AND ROOT PRUNING SHALL BE PERFORMED BY LICENSED ARBORIST SUBCONTRACTED TO GENERAL CONTRACTOR. CONTRACTOR SHALL COORDINATE DIRECTLY WITH CITY OF SPOKANE URBAN FORESTER TO SCHEDULE AND INSPECT WORK
- 8. OWNER WILL FURNISH COMPACTION & MATERIAL TESTING. IF CONTRACTOR FAILS TESTING, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADDITIONAL TESTING UNTIL COMPACTION AND MATERIALS MEET SPECIFICATION.

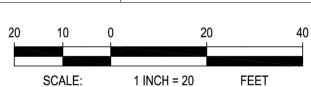






ARE APPROXIMATE, BASED ON RECORD INFORMATION AND FOUND MONUMENTATION.

SURVEY PERFORMED USING A LEICA TCRP 1201 ONE SECOND ROBOTIC TOTAL STATION, A JAVAD TRIUMPH-1M GPS BASE STATION, A JAVAD TRIUMPH-LS ROVER AND A DJI PHANTOM 4 PRO RTK AERIAL DRONE. FIELD TRAVERSE METHODS PER WAC 332-130-090 PART C



CONTOUR INTERVAL = 1 FOOT

UNDERHILL PARK SPORT COURT **TOPOGRAPHIC SURVEY** S.22, T.25N., R.43E., W.M., CITY OF SPOKANE, SPOKANE COUNTY, WA

+ TBM INFORMATION

POINT #	NORTHING	EASTING	GRID NORTHING	GRID EASTING	ELEVATION	DESCRIPTION
1	256339.89	2494840.53	256339.89	2494840.53	1912.61	SET X
2	256371.07	2494511.76	256371.07	2494511.76	1911.18	SET X
3	256139.56	2494846.43	256139.56	2494846.43	1911.58	SET X

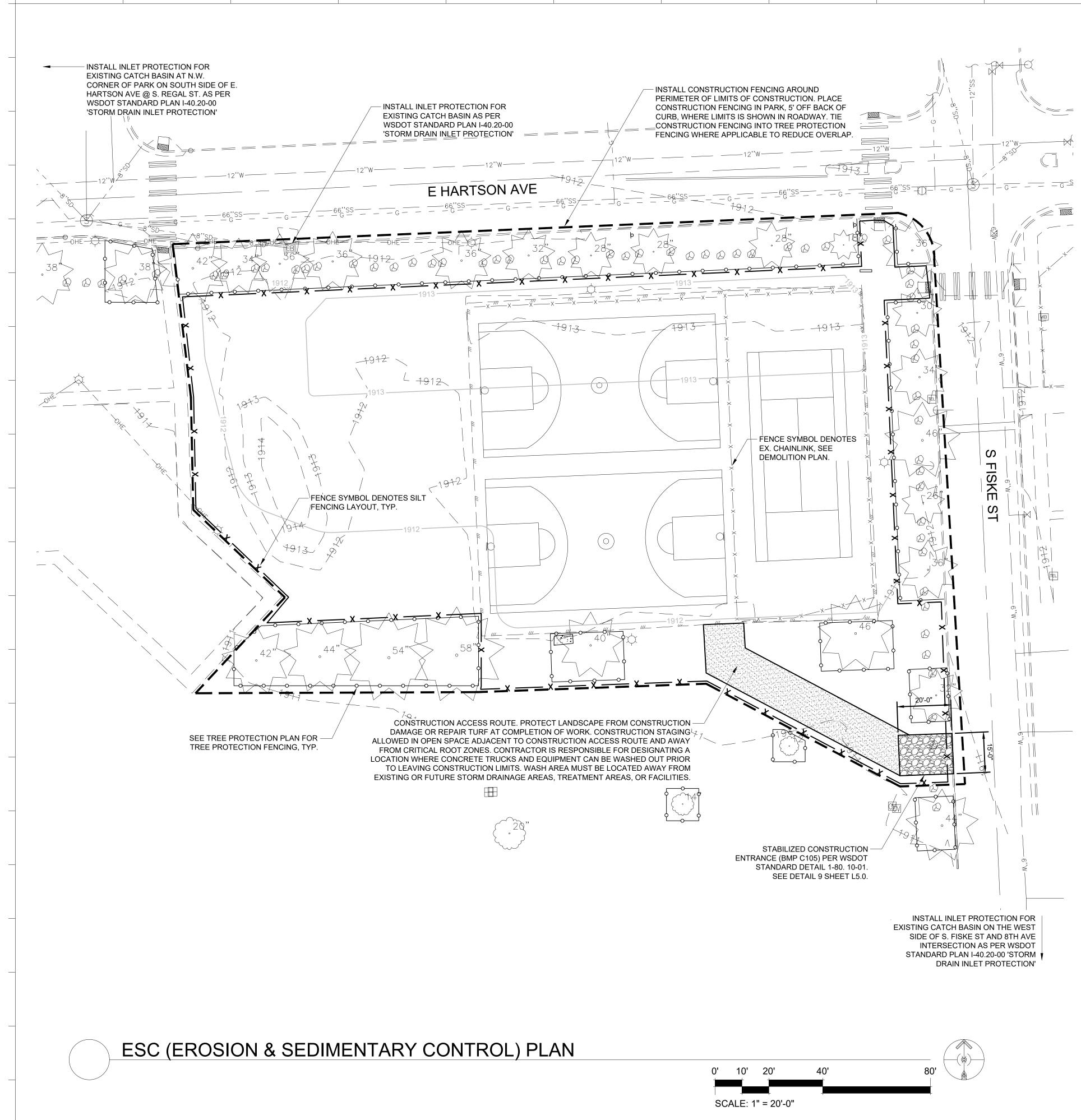
LEGEND

	CONCRETE
· · · · · · · · · · · · · · · · · · ·	ASPHALT
	TRAFFIC STRIPING
= = = = = = = = =	CURB
	PROPERTY LINE
	EASEMENT LINE
xxx	FENCE
SDSD	- STORM SEWER
	- SANITARY SEWER
— — — — — — — — — — — — — — — — — — —	OVERHEAD ELECTRIC
G	NATURAL GAS
w	- WATER
⊞	WATER METER
×	WATER VALVE
q	FIRE HYDRANT
CM	IRRIGATION CONTROL VALVE
S	SEWER MANHOLE
E	ELECTRIC BOX
(GUY ANCHOR
വ	POWER POLE
5.5	CONIFEROUS TREE
\odot	DECIDUOUS TREE
0	POST
0	SIGN
CB	CATCH BASIN
¢	LIGHT POLE
\overline{O}	BASKETBALL HOOP
Ð	ROCK
0	FOUND MONUMENT
EG	EXISTING GROUND ELEVATION
L	

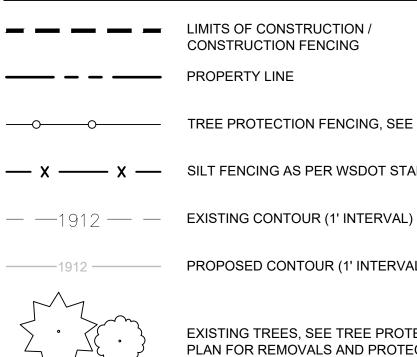




		N N
CITY OF		PAKKS & RECREATIO
UNDERHILL SPORT COURTS	2910 E. HARTSON AVENUE	TOPOGRAPHIC SURVEY PLAN
BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY DATE: 04/22/2024 DRAWN BY: ML CHECKED BY: NH PROJECT NO: 23003		
A SHEE		DF <u>20</u>



LEGEND



EROSION & SEDIMENTARY CONTROL NOTES

THE FOLLOWING CONSTRUCTION SEQUENCE SHALL BE FOLLOWED IN ORDER TO BEST MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENTATION CONTROL PROBLEMS: (a) CLEAR AND GRUB SUFFICIENTLY FOR INSTALLATION OF TEMPORARY ESC BMPS;

- FIRST STEPS PRIOR TO GRADING;
- (c) CLEAR, GRUB AND ROUGH GRADE FOR ROADS, TEMPORARY ACCESS POINTS AND UTILITY LOCATIONS
- (d) STABILIZE ROADWAY APPROACHES AND TEMPORARY ACCESS POINTS WITH THE APPROPRIATE CONSTRUCTION ENTRY BMP: (e) CLEAR, GRUB AND GRADE INDIVIDUAL LOTS OR GROUPS OF LOTS;
- (f) TEMPORARILY STABILIZE, THROUGH RE-VEGETATION OR OTHER APPROPRIATE BMPS, LOTS RESULT OF THE SITE GRADING;
- UIC FACILITIES, ETC.);
- (i) INSTALL PERMANENT ESC CONTROLS, WHEN APPLICABLE; AND, (j) REMOVE TEMPORARY ESC CONTROLS WHEN:
- 3 SEDIMENTATION PROBLEMS HAVE CEASED; AND,
- ACCEPTED ESC PLAN ON FILE WITH THE LOCAL JURISDICTION.
- ROUTE. IF IT IS EVIDENT THAT SEDIMENT HAS BEEN TRACKED OFF SITE AND/OR BEYOND THE ROADWAY APPROACH, CLEANING IS REQUIRED AT CONTRACTOR'S EXPENSE
- AREA.
- STATE. 8.
- CONDITION. 9 TO THE MAXIMUM EXTENT PRACTICAL.
- 10.
- 11.
- CONSTRUCTION STORMWATER GENERAL PERMIT.
- FROM SEDIMENT, WHETHER OR NOT FACILITIES ARE OPERABLE. 14. KEEP ROADS ADJACENT TO INLETS CLEAN.
- 15. INSPECT INLETS WEEKLY AT A MINIMUM AND DAILY DURING STORM EVENTS. 16.
- CONSTRUCTION OF IMPERVIOUS SITE IMPROVEMENTS.
- 17. 18.
- AND PROCEDURES TO MEET THIS REQUIREMENT, IF NECESSARY.
- ACCUMULATE.

TREE PROTECTION FENCING, SEE L0.2

PROPOSED CONTOUR (1' INTERVAL)

EXISTING TREES, SEE TREE PROTECTION PLAN FOR REMOVALS AND PROTECTION

(b) INSTALL TEMPORARY ESC BMPS, CONSTRUCTING SEDIMENT TRAPPING BMPS AS ONE OF THE

OR GROUPS OF LOTS IN SITUATIONS WHERE SUBSTANTIAL CUT OR FILL SLOPES ARE A

(g) CONSTRUCT ROADS, BUILDINGS, PERMANENT STORMWATER FACILITIES (I.E. INLETS, PONDS,

(h) PROTECT ALL PERMANENT STORMWATER FACILITIES UTILIZING THE APPROPRIATE BMPS;

PERMANENT ESC CONTROLS, WHEN APPLICABLE, HAVE BEEN COMPLETELY INSTALLED; ALL LAND-DISTURBING ACTIVITIES THAT HAVE THE POTENTIAL TO CAUSE EROSION OR

VEGETATION HAD BEEN ESTABLISHED IN THE AREAS NOTED AS REQUIRING VEGETATION ON THE

INSPECT ALL ROADWAYS, AT THE END OF EACH DAY, ADJACENT TO THE CONSTRUCTION ACCESS

IF SEDIMENT REMOVAL IS NECESSARY PRIOR TO STREET WASHING, IT SHALL BE REMOVED BY SHOVELING OR PICKUP SWEEPING AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL

7. IF STREET WASHING IS REQUIRED TO CLEAN SEDIMENT TRACKED OFF SITE, ONCE SEDIMENT HAS BEEN REMOVED, STREET WASH WASTEWATER SHALL BE CONTROLLED BY PUMPING BACK ON-SITE OR OTHERWISE PREVENTED FROM DISCHARGING INTO SYSTEMS TRIBUTARY TO WATERS OF THE

RESTORE CONSTRUCTION ACCESS ROUTE EQUAL TO OR BETTER THAN THE PRE-CONSTRUCTION

RETAIN THE DUFF LAYER, NATIVE TOPSOIL, AND NATURAL VEGETATION IN AN UNDISTURBED STATE

INSPECT SEDIMENT CONTROL BMPS WEEKLY AT A MINIMUM, DAILY DURING A STORM EVENT, AND AFTER ANY DISCHARGE FROM THE SITE (STORMWATER OR NON-STORMWATER). THE INSPECTION FREQUENCY MAY BE REDUCED TO ONCE A MONTH IF THE SITE IS STABILIZED AND INACTIVE. CONTROL FUGITIVE DUST FROM CONSTRUCTION ACTIVITY IN ACCORDANCE WITH THE STATE AND/OR LOCAL AIR QUALITY CONTROL AUTHORITIES WITH JURISDICTION OVER THE PROJECT AREA. 12. STABILIZE EXPOSED UNWORKED SOILS (INCLUDING STOCKPILES), WHETHER AT FINAL GRADE OR NOT, WITHIN 10 DAYS DURING THE REGIONAL DRY SEASON (JULY 1 THROUGH SEPTEMBER 30) AND WITHIN 5 DAYS DURING THE REGIONAL WET SEASON (OCTOBER 1 THROUGH JUNE 30). SOILS MUST BE STABILIZED AT THE END OF A SHIFT BEFORE A HOLIDAY WEEKEND IF NEEDED BASED ON THE WEATHER FORECAST. THIS TIME LIMIT MAY ONLY BE ADJUSTED BY A LOCAL JURISDICTION WITH A "QUALIFIED LOCAL PROGRAM," IF IT CAN BE DEMONSTRATED THAT THE RECENT PRECIPITATION JUSTIFIES A DIFFERENT STANDARD AND MEETS THE REQUIREMENTS SET FOURTH IN THE

13. PROTECT INLETS, DRYWELLS, CATCH BASINS AND OTHER STORMWATER MANAGEMENT FACILITIES

CONSTRUCT STORMWATER CONTROL FACILITIES (DETENTION/RETENTION STORAGE POND OR SWALES) BEFORE GRADING BEGINS. THESE FACILITIES SHALL BE OPERATIONAL BEFORE THE

STOCKPILE MATERIALS (SUCH AS TOPSOIL) ON SITE, KEEPING OFF OF ROADWAY AND SIDEWALKS. COVER, CONTAIN AND PROTECT ALL CHEMICALS, LIQUID PRODUCTS, PETROLEUM PRODUCT, AND NON-INERT WASTES PRESENT ON SITE FROM VANDALISM (SEE CHAPTER 173-304 WAC FOR THE DEFINITION OF INERT WASTE). USE SECONDARY CONTAINMENT FOR ON-SITE FUELING TANKS. 19. CONDUCT MAINTENANCE AND REPAIR OF HEAVY EQUIPMENT AND VEHICLES INVOLVING OIL CHANGES, HYDRAULIC SYSTEM REPAIRS, SOLVENT AND DE-GREASING OPERATIONS, FUEL TANK DRAIN DOWN AND REMOVAL, AND OTHER ACTIVITIES THAT MAY RESULT IN DISCHARGE OR SPILLAGE OF POLLUTANTS TO THE GROUND OR INTO STORMWATER RUNOFF USING SPILL

PREVENTION MEASURES, SUCH AS DRIP PANS. CLEAN ALL CONTAMINATED SURFACES IMMEDIATELY FOLLOWING ANY DISCHARGE OR SPILL INCIDENT. IF RAINING OVER EQUIPMENT OR VEHICLE, PERFORM EMERGENCY REPAIRS ON SITE USING TEMPORARY PLASTIC BENEATH THE VEHICLE. 20. CONDUCT APPLICATION OF AGRICULTURAL CHEMICALS, INCLUDING FERTILIZERS AND PESTICIDES, IN SUCH A MANNER, AND AT APPLICATION RATES, THAT INHIBITS THE LOSS OF CHEMICALS INTO STORMWATER RUNOFF FACILITIES. AMEND MANUFACTURER'S RECOMMENDED APPLICATION RATES

21. INSPECT ON A REGULAR BASIS (AT A MINIMUM WEEKLY, AND DAILY DURING/AFTER A RUNOFF PRODUCING STORM EVENT) AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL BMPS TO ENSURE SUCCESSFUL PERFORMANCE OF THE BMPS. NOTE THAT INLET PROTECTION DEVICES SHALL BE CLEANED OR REMOVED AND REPLACE BEFORE SIX INCHES OF SEDIMENT CAN

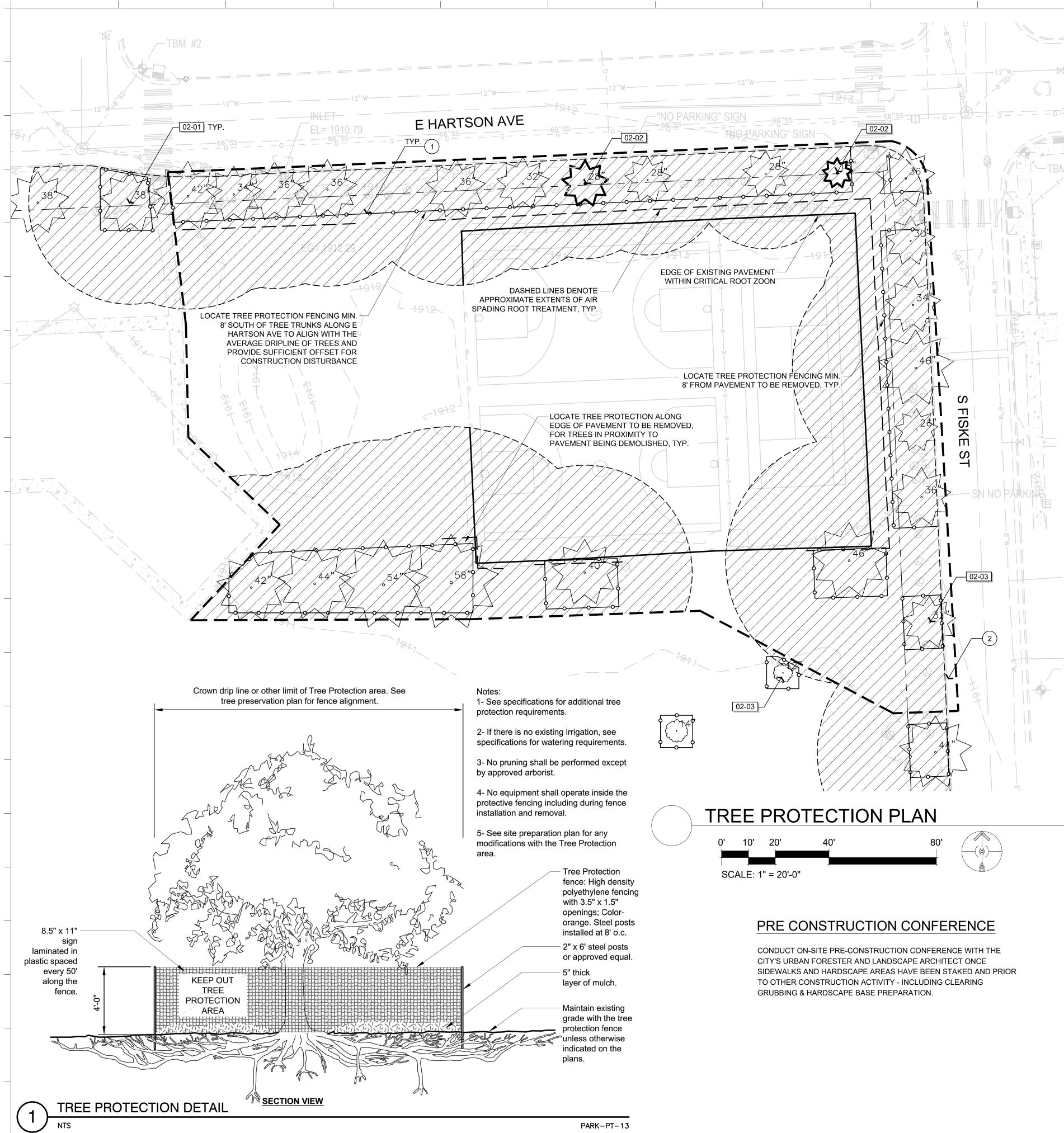
22. REMOVE TEMPORARY ESC BMPS WITHIN 30 DAYS AFTER THE TEMPORARY BMPS ARE NO LONGER NEEDED. PERMANENTLY STABILIZE AREAS THAT ARE DISTURBED DURING THE REMOVAL PROCESS.



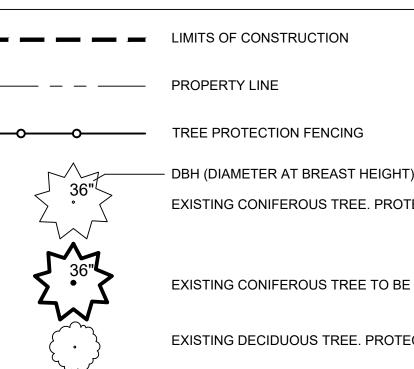
Know what's below. Call before you dig.

CITY OF		RECREATIO
No.	DE WAS	
UNDERHILL SPORT COURTS	2910 E. HARTSON AVENUE	ESC PLAN
DRAWIN THIS S	one inch on Ig. If not o Heet, adjus According	NE INCH ON ST SCALES
DATE: Orawn b' CHECKED PROJECT	ML ^{BY:} NH	
R		ON _ DF <u>20</u>
L	.0.	1

ESC PLAN



LEGEND



REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION	DETAIL
	INSTALL TREE PROTECTION FENCING AS SHOWN AND AS PER CITY OF SPOKANE TREE PROTECTION STANDARDS. SEE TREE PROTECTION PLAN.	1/L0.2
2	PROPOSED CONSTRUCTION ENTRANCE. TREE PROTECTION FENCING TO BE INSTALLED AND APPROVED BY CITY OF SPOKANE URBAN FORESTER AND LANDSCAPE ARCHITECT PRIOR TO USE OF CONSTRUCTION ENTRANCE.	9/L5.0
SYMBOL	02 EXISTING CONDITIONS DESCRIPTION	DETAIL
02-01	EXISTING TREE, PROTECT IN PLACE. APPLY ROOT TREATMENT AS SPECIFIED. TOTALY QTY. 25	1/L0.2
02-02	EXISTING TREE TO BE REMOVED. TOTAL QTY. 2	
02-03	EXISTING TREE, PROTECT IN PLACE. TOTAL QTY. 2	1/L0.2

TREE PROTECTION NOTES

TREE PROTECTION ZONE (TPZ)

- 1. THE TREE PROTECTION ZONE (TPZ) WILL EITHER BE DETERMINED IN THE FIELD BY URBAN FORESTRY STAFF. THE MINIMUM TPZ SHALL BE EQUAL TO THE CRITICAL ROOT ZONE (CRZ) AS DEFINED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE
- 11 FORESTRY STAFF
- 2. MULCH: NO MULCH SHALL BE REQUIRED WITHIN THE TPZ. 3. TEMPORARY FENCING: NO TEMPORARY FENCING SHALL BE REQUIRED.
- 4. REMOVAL OF HARDSCAPES: WHERE EQUIPMENT IS NECESSARY TO REMOVE HARDSCAPES WITHIN THE TPZ OF A PROTECTED TREE, CONSTRUCTION PERSONNEL MUST EXHIBIT DUE CARE TO ENSURE NO DAMAGE OCCURS TO THE ROOTS PRIOR TO ANY ROOT TREATMENT IF ROOTS ARE ENCOUNTERED IN THE DEMO AREA, PNEUMATIC OR HYDRO EXCAVATION ROOT TREATMENT METHODS MUST BE USED TO REVEAL ROOT STRUCTURES.
- 5. DO NOT STORE CONSTRUCTION MATERIALS, DEBRIS, OR EXCAVATED MATERIAL WITHIN THE PREVENT SOIL COMPACTION OVER ROOT SYSTEMS UNLESS PREVIOUSLY AUTHORIZED BY THE URBAN FORESTER.

ROOT TREATMENT & EXCAVATION

- 6. ROOT TREATMENT IS A MINIMALLY INVASIVE PROCEDURE OF USING AIR AND/OR WATER TO REMOVE THE SOIL FROM AROUND THE ROOTS AND IS ALSO CALLED PNEUMATIC AND/OR HYDRO EXCAVATION. THIS PROCESS ALLOWS AN ARBORIST TO ASSESS THE ROOT STRUCTURE FOR DECISION-MAKING ON WHICH ROOTS TO PRUNE AND WHERE TO MAKE THE CUTS.
- TECHNIQUES CURRENTLY BEING USED WITHIN THE ARBORICULTURE INDUSTRY UNDER SUPERVISION BY AN ISA CERTIFIED ARBORIST OR CERTIFIED TREE WORKER. ALL ROOT PRUNING SHALL BE PERFORMED BY AN ISA CERTIFIED ARBORIST OR CERTIFIED TREE WORKER.
- 8. ALL EQUIPMENT TO BE USED AND ALL WORK TO BE PERFORMED MUST BE IN FULL COMPLIANCE WITH THE MOST CURRENT REVISION OF THE AMERICAN NATIONAL STANDARDS INSTITUTE STANDARD Z-133.1-1988, OR AS AMENDED. 9. WHERE EXCAVATION FOR NEW CONSTRUCTION IS REQUIRED WITHIN THE TPZ, ONLY USE
- AIR OR HYDRO-EVACUATION TO MINIMIZE DAMAGE TO ROOT SYSTEMS. 10. RELOCATE ROOTS IN BACKFILL AREAS WHERE POSSIBLE. IF ENCOUNTERING LARGE, MAIN RELOCATE THEM WITHOUT BREAKING. IF ENCOUNTERED IMMEDIATELY ADJACENT TO LOCATION OF NEW CONSTRUCTION AND RELOCATION IS NOT PRACTICAL, PRUNE ROOTS DIAMETER OR LARGER REQUIRES PRIOR APPROVAL FROM URBAN FORESTRY STAFF.
- 11.DO NOT ALLOW EXPOSED ROOTS TO DRY OUT BEFORE PLACING PERMANENT BACKFILL. WATER AND MAINTAIN IN A MOIST CONDITION. TEMPORARILY SUPPORT AND PROTECT ROOTS FROM DAMAGE UNTIL THEY ARE PERMANENTLY RELOCATED AND COVERED WITH
- 12. WHERE UTILITY TRENCHES ARE REQUIRED WITHIN THE TPZ, TUNNEL UNDER OR AROUND ROOTS BY AIR OR HYDRO-EVACUATION, DIRECTIONAL DRILLING, AUGER BORING, OR PIPE JACKING,
- 13. WHERE NEW FINISH GRADE DEVIATES FROM EXISTING GRADE AROUND TREES, SLOPE GRADE BEYOND THE TPZ. MAINTAIN EXISTING GRADES WITHIN THE TPZ.

TREE PRUNING

14. ALL CLEARANCE PRUNING & ROOT PRUNING, IF REQUIRED, SHALL BE CONDUCTED BY THE CITY OF SPOKANE ARBORIST.

EXISTING CONIFEROUS TREE. PROTECT IN PLACE

EXISTING CONIFEROUS TREE TO BE REMOVED

EXISTING DECIDUOUS TREE. PROTECT IN PLACE

(ISA): AN AREA EQUAL TO 1 FOOT RADIUS FROM THE BASE OF THE TREE'S TRUNK FOR EACH 1 INCH OF THE TREE'S DIAMETER AT 4.5 FEET ABOVE GRADE (REFERRED TO AS DIAMETER AT BREAST HEIGHT OR DBH). URBAN FORESTRY STAFF MAY REQUIRE A GREATER TPZ RADIUS FOR INDIVIDUAL TREES OR GROUPS OF TREES DETERMINED TO BE PARTICULARLY SENSITIVE TO ROOT DISTURBANCE OR OF SIGNIFICANT VALUE. TPZ MODIFICATIONS WILL BE MADE DUE TO CONSTRUCTION OBJECTIVES AND INFRASTRUCTURE ONLY WITH PRIOR AUTHORIZATION BY URBAN

TPZ OF REMAINING TREES. DO NOT PERMIT VEHICLES OR FOOT TRAFFIC WITHIN THE TPZ;

7. ALL ROOT TREATMENTS SHALL BE PERFORMED USING EITHER AIR OR HYDRO EVACUATION

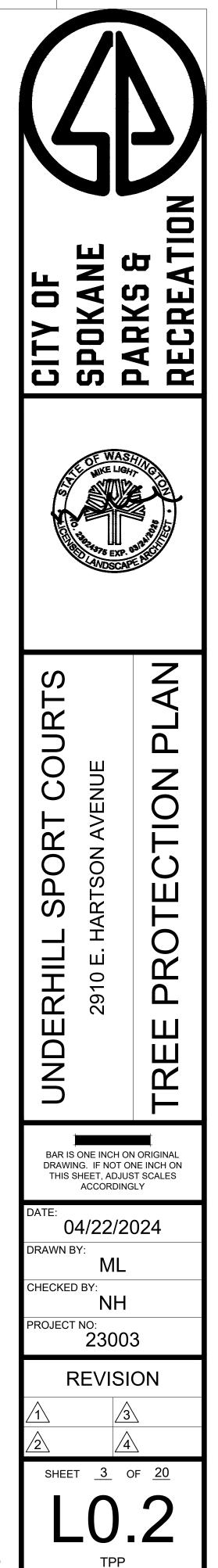
LATERAL ROOTS, EXPOSE ROOTS BEYOND EXCAVATION LIMITS AS REQUIRED TO BEND AND APPROXIMATELY 3 INCHES BACK FROM NEW CONSTRUCTION. PRUNING OF ROOTS 2 INCH IN

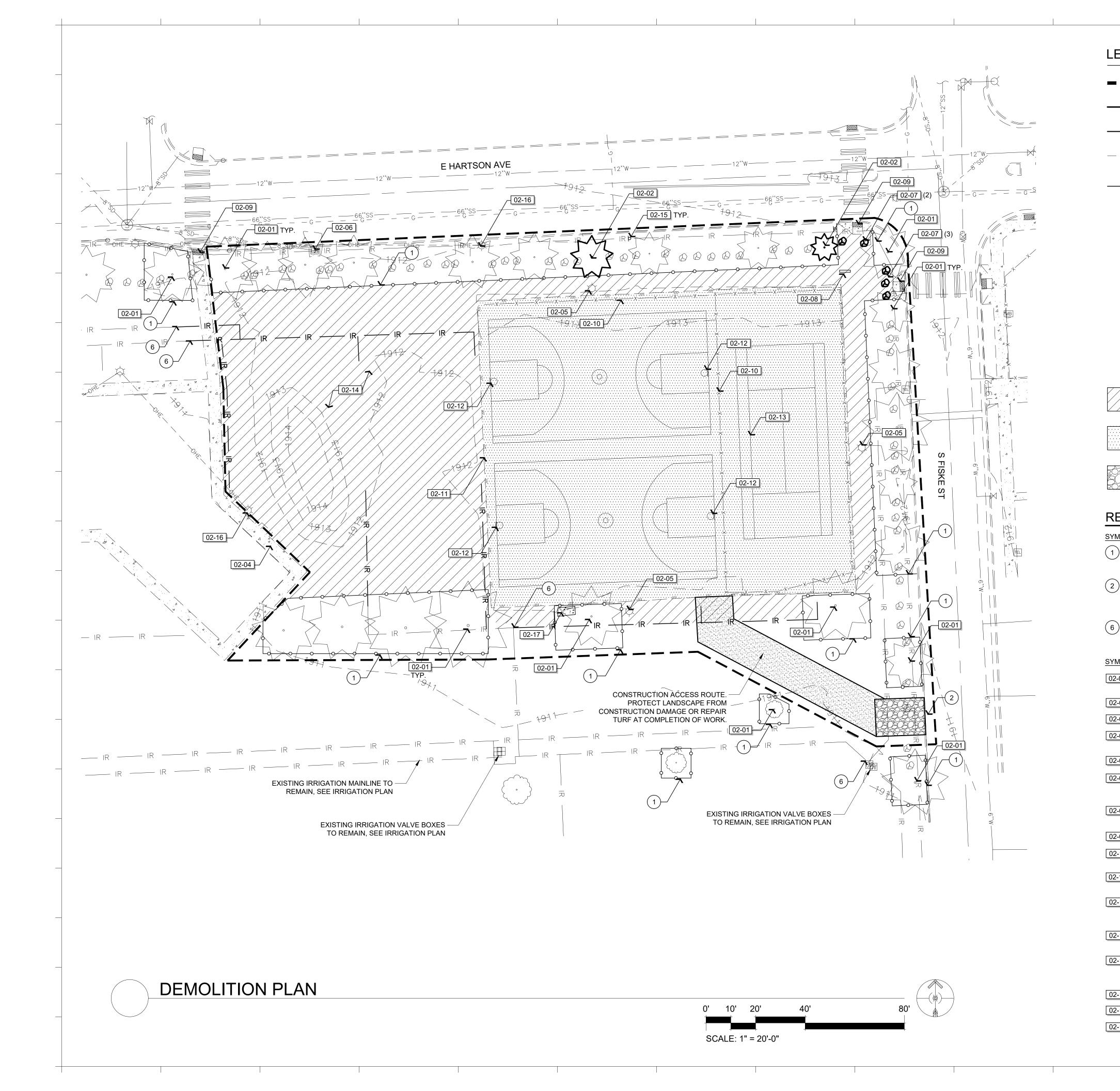
PROVIDE TEMPORARY EARTH COVER OR PACK WITH PEAT MOSS AND WRAP WITH BURLAP.

TYPICAL CRITICAL ROOT ZONE (CRZ) AS ESTABLISHED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE. ACTUAL ROOT ZONES MAY DIFFER FROM CRZ.

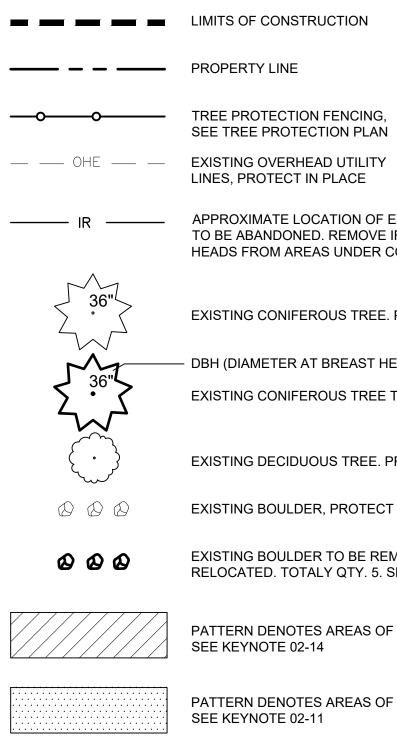


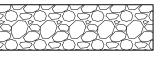
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LEGEND





PATTERN DENOTES APPROXIMATE CONSTRUCTION ENTRANCE, SEE ESC PLAN

REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION	DETAIL
	INSTALL TREE PROTECTION FENCING AS SHOWN AND AS PER CITY OF SPOKANE TREE PROTECTION STANDARDS. SEE TREE PROTECTION PLAN.	1/L0.2
2	PROPOSED CONSTRUCTION ENTRANCE. TREE PROTECTION FENCING TO BE INSTALLED AND APPROVED BY CITY OF SPOKANE URBAN FORESTER AND LANDSCAPE ARCHITECT PRIOR TO USE OF CONSTRUCTION ENTRANCE.	9/L5.0
6	APPROXIMATE LOCATIONS TO CUT INTO EXISTING IRRIGATION PIPE FOR NEW SYSTEM TIE-IN. SEE IRRIGATION PLAN.	
SYMBOL	02 EXISTING CONDITIONS DESCRIPTION	DETAIL
02-01	EXISTING TREE, PROTECT IN PLACE. APPLY ROOT TREATMENT AS SPECIFIED. TOTALY QTY. 25	1/L0.2
02-02	EXISTING TREE TO BE REMOVED. TOTAL QTY. 2	
02-04	EXISTING SIDEWALK TO REMAIN. PROTECT IN PLACE.	
02-05	EXISTING LIGHT POLE AND BASE TO BE DEMOLISHED AND DISPOSED OF TO APPROPRIATE OFF-SITE FACILITY, TYP. OF 3.	
02-06	EXISTING CATCH BASIN. PROTECT IN PLACE. SEE ESC PLAN.	
02-07	EXISTING BOULDERS TO BE REMOVED AND RELOCATED, TYP. QUANTITIES NOTED WITH KEYNOTES. SEE SITE PLAN FOR RELOCATIONS.	
02-08	EXISTING PARK SIGN. REMOVE AND STORE ON SITE IN PROTECTED AREA. SEE SITE PLAN FOR SIGN RELOCATION.	
02-09	EXISTING CURB RAMP, PROTECT IN PLACE, TYP.	
02-10	EXISTING CHAINLINK FENCING (+/- 8' HT.) AROUND SPORT COURTS TO BE REMOVED AND DISPOSED OF OFF-SITE.	
02-11	EXISTING SPORT COURT ASPHALT SURFACING AND BASE TO BE REMOVED AND DISPOSED OF OFF-SITE.	
02-12	EXISTING BASKETBALL HOOP AND BACKBOARD TO BE REMOVED BY OWNER. EXISTING BASKETBALL POSTS TO BE REMOVED AND DISPOSED OF BY CONTRACTOR (TOTAL QTY. OF POSTS = 4).	
02-13	EXISTING TENNIS POSTS AND NETTING TO BE REMOVED AND DISPOSED OF OFF-SITE.	
02-14	EXISTING TURF TO BE REMOVED AND COMPOSTED OFF-SITE. EXCAVATE AND REMOVE SOIL TO DEPTH SPECIFIED. STOCKPILE APPROVED SOIL ON SITE FOR RE-USE,	G
02-15	EXISTING PARKING SIGN, PROTECT IN PLACE.	
02-16	EXISTING LIGHT POLE AND BASE TO REMAIN. PROTECT IN PLACE.	
02-17	EXISTING CONCRETE PAVING TO BE REMOVED AND DISPOSED OFF-SITE.	Know wha

TREE PROTECTION FENCING, SEE TREE PROTECTION PLAN

APPROXIMATE LOCATION OF EXISTING IRRIGATION LINES TO BE ABANDONED. REMOVE IRRIGATION LINES AND HEADS FROM AREAS UNDER CONSTRUCTION ONLY.

EXISTING CONIFEROUS TREE. PROTECT IN PLACE

- DBH (DIAMETER AT BREAST HEIGHT)

EXISTING CONIFEROUS TREE TO BE REMOVED

EXISTING DECIDUOUS TREE. PROTECT IN PLACE

EXISTING BOULDER, PROTECT IN PLACE

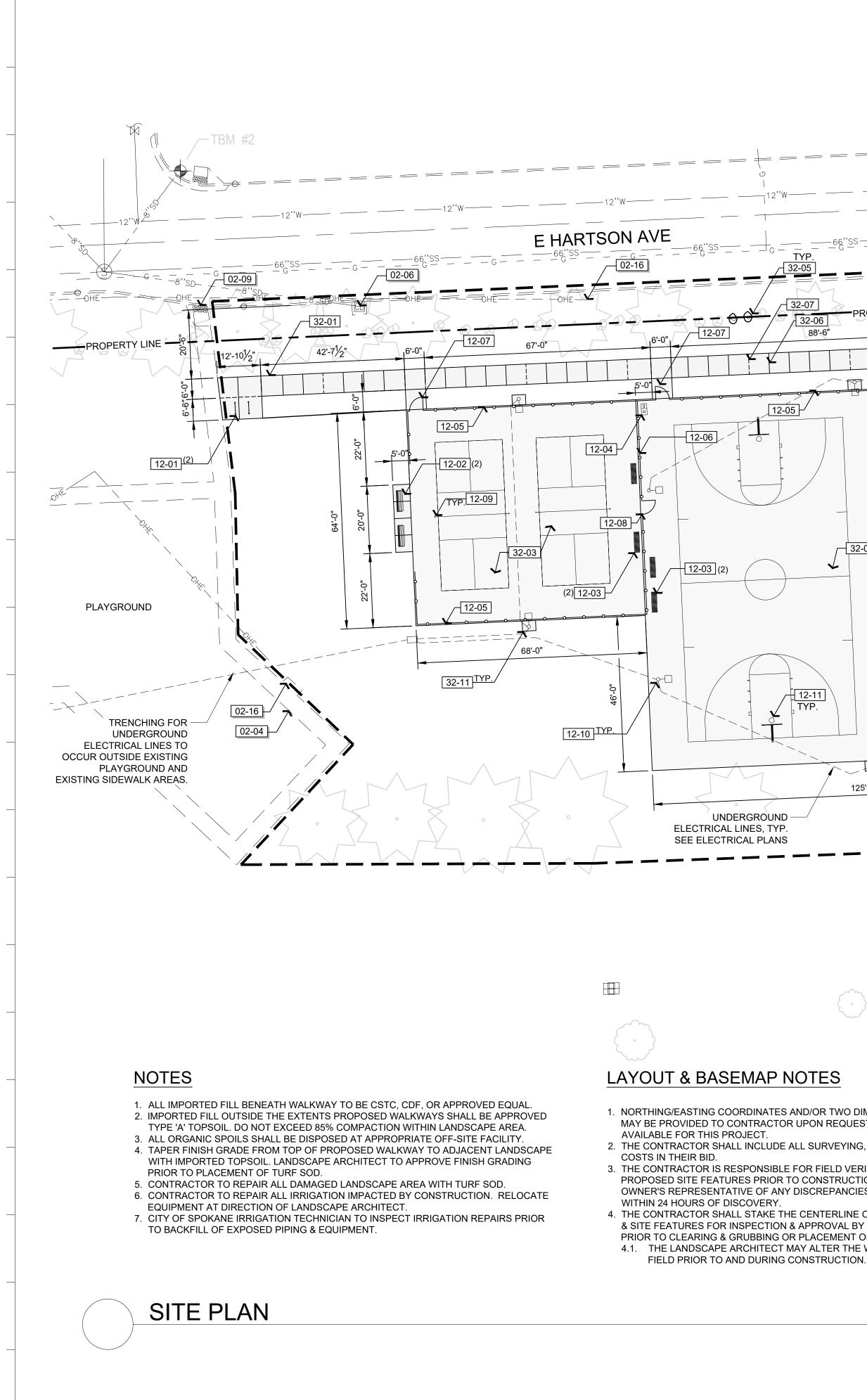
EXISTING BOULDER TO BE REMOVED AND RELOCATED. TOTALY QTY. 5. SEE SITE PLAN

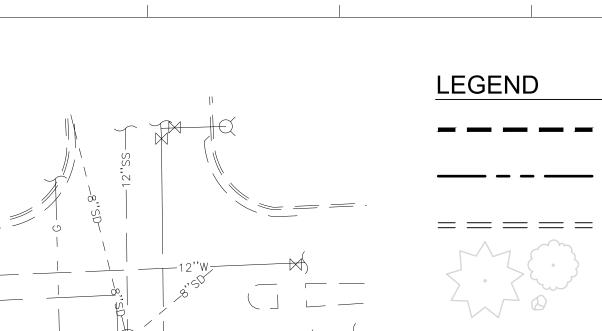
PATTERN DENOTES AREAS OF TURF TO BE REMOVED, SEE KEYNOTE 02-14

PATTERN DENOTES AREAS OF HARDSCAPE TO BE REMOVED, SEE KEYNOTE 02-11

hat's **below**. Call before you dig.

		NOI
CITY OF	POKAN	ר ש האאא RECREATIO
S. C. C.	OF WAS	A A A A A A A A A A A A A A A A A A A
UNDERHILL SPORT COURTS	2910 E. HARTSON AVENUE	DEMOLITION PLAN
BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY DATE: 04/22/2024 DRAWN BY: ML CHECKED BY: NH		
PROJECT		
SHEET		<u>20</u> 3







REFERENCE NOTES SCHEDULE

SYMBOL	02 EXISTING CONDITIONS DESCRIPTION	DETAIL
02-04	EXISTING SIDEWALK TO REMAIN. PROTECT IN PLACE.	
02-06	EXISTING CATCH BASIN. PROTECT IN PLACE. SEE ESC PLAN.	
02-09	EXISTING CURB RAMP, PROTECT IN PLACE, TYP.	
02-16	EXISTING LIGHT POLE AND BASE TO REMAIN. PROTECT IN PLACE.	
<u>SYMBOL</u>	12 FURNISHINGS DESCRIPTION	DETAIL
12-01	BIKE RACK AS SPECIFIED. TOTAL QTY. 4. OWNER FURNISHED, CONTRACTOR INSTALLED.	
12-02	BENCH TYPE 1 AS SPECIFIED. TOTAL QTY. 4. OWNER FURNISHED, CONTRACTOR INSTALLED.	4/L5.0
12-03	BENCH TYPE 2 AS SPECIFIED. TOTAL QTY. 4. OWNER FURNISHED, CONTRACTOR INSTALLED.	4/L5.0
12-04	WASTE / RECYCLE RECEPTACLE. TOTAL QTY. 1. OWNER FURNISHED, CONTRACTOR INSTALLED.	3/L5.0
12-05	FENCING TYPE 1 AS SPECIFIED, SEE SHEET L1.1.	1/L5.0
12-06	FENCING TYPE 2 AS SPECIFIED. SEE SHEET L1.1.	1/L5.0
12-07	GATE TYPE 1 AS SPECIFIED. TOTALY QTY. 3.	2/L5.0
12-08	GATE TYPE 2 AS SPECIFIED. TOTALY QTY. 1.	2/L5.0
12-09	PICKLEBALL POSTS, NETTING, AND ASSOCIATED EQUIPMENT AS SPECIFIED. FOUR (4) TOTAL POSTS, TWO (2) TOTAL NETS.	8/L5.0
12-10	LIGHT POLE, SEE ELECTRICAL PLANS. TYP.	SEE ELEC.
12-11	BASKETBALL GOAL AS SPECIFIED. TOTAL QTY. 4.	7/L5.0
<u>SYMBOL</u>	32 EXTERIOR IMPROVEMENTS DESCRIPTION	DETAIL
32-01	CONCRETE SIDEWALK AS PER CITY OF SPOKANE STANDARD PLAN F-102. SEE L1.0 FOR SIDEWALK WIDTHS.	
32-02	CONCRETE SPORT COURT, SEE SHEET L1.1	3/L5.1
32-03	CONCRETE BASE WITH ACRYLIC SURFACE, SEE SHEET L1.1.	4/L5.1
32-04	RELOCATED PARK ENTRY SIGN, SET POSTS IN CONCRETE PILE 12" DIA., 3' DEPTH BELOW FINISH GRADE.	
32-05	RELOCATE BOULDERS AT LOCATIONS OF REMOVED TREES, MAINTAIN CONSISTENT SPACING WITH EXISTING BOULDERS. TOTALY QTY. 5	6/L5.0
32-06	CONTROL JOINT SPACING PER PLANS. SEE CITY OF SPOKANE STANDARD PLAN F-102 FOR DEPTHS AND MATERIALS.	
32-07	EXPANSION JOINT SPACING PER PLANS. SEE CITY OF SPOKANE STANDARD PLAN F-102 FOR DEPTHS AND MATERIALS.	
32-11	CONCRETE HOUSEKEEPING PAD FOR LIGHT POLES SET IN SOFTSCAPE AREAS, SEE ELECTRICAL PLANS, TOTAL QTY, 6,	

32-06 88'-6 12-07 12-01 12-05 (2) 12-02 125'-0" CØV 1. NORTHING/EASTING COORDINATES AND/OR TWO DIMENSIONAL CAD DRAWINGS MAY BE PROVIDED TO CONTRACTOR UPON REQUEST. NO 3D DIGITAL MODEL IS 2. THE CONTRACTOR SHALL INCLUDE ALL SURVEYING, STAKING, AND LAYOUT 3. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF EXISTING & PROPOSED SITE FEATURES PRIOR TO CONSTRUCTION, AND SHALL NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES OR APPARENT CONFLICTS 4. THE CONTRACTOR SHALL STAKE THE CENTERLINE OF ALL PROPOSED PATHWAYS & SITE FEATURES FOR INSPECTION & APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO CLEARING & GRUBBING OR PLACEMENT OF IMPROVEMENTS. 4.1. THE LANDSCAPE ARCHITECT MAY ALTER THE WALKWAY ALIGNMENT IN THE

SCALE: 1" = 20'-0"

40'

0' 10' 20'

LIMITS OF CONSTRUCTION

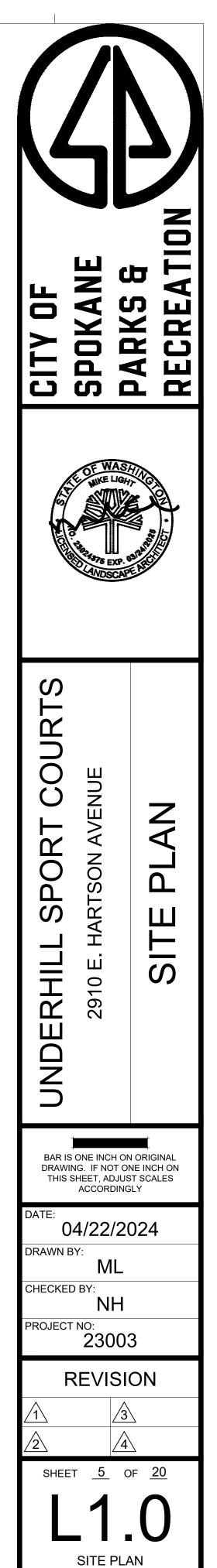
PROPERTY LINE

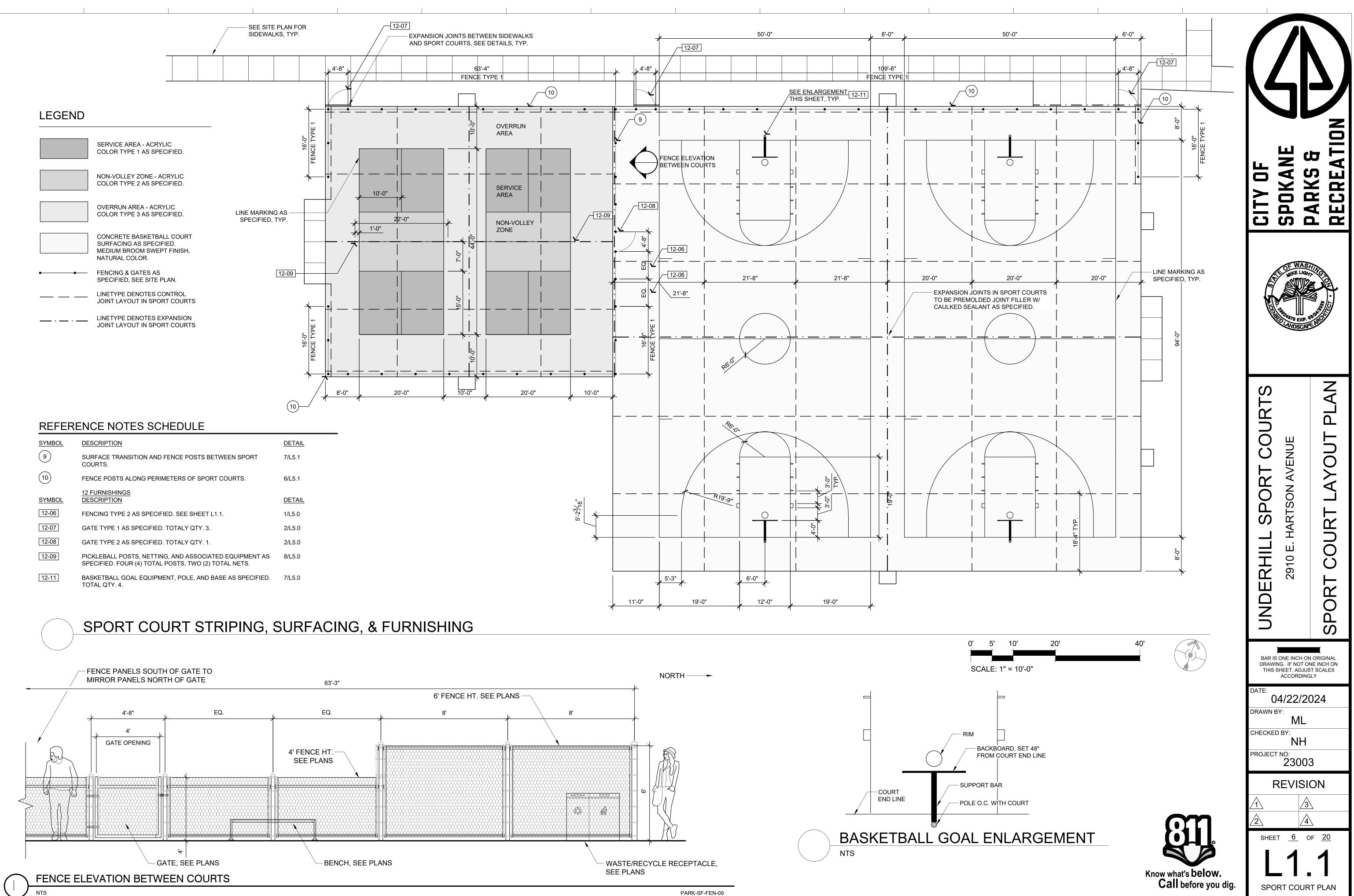
EXISTING TREES & BOULDERS TO REMAIN

SOFTSCAPE AREAS. SEE ELECTRICAL PLANS. TOTAL QTY. 6.

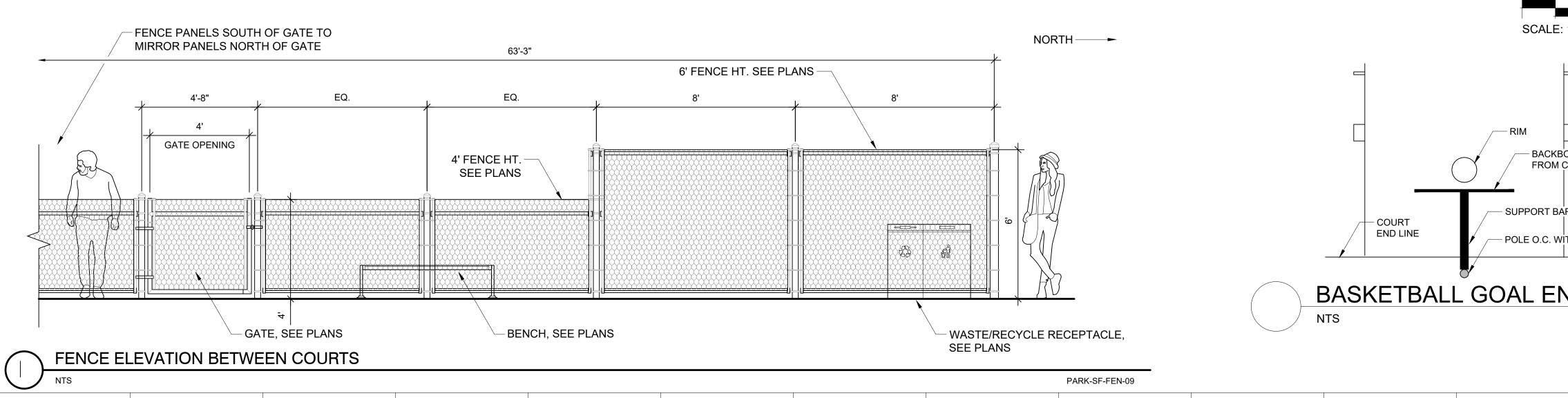


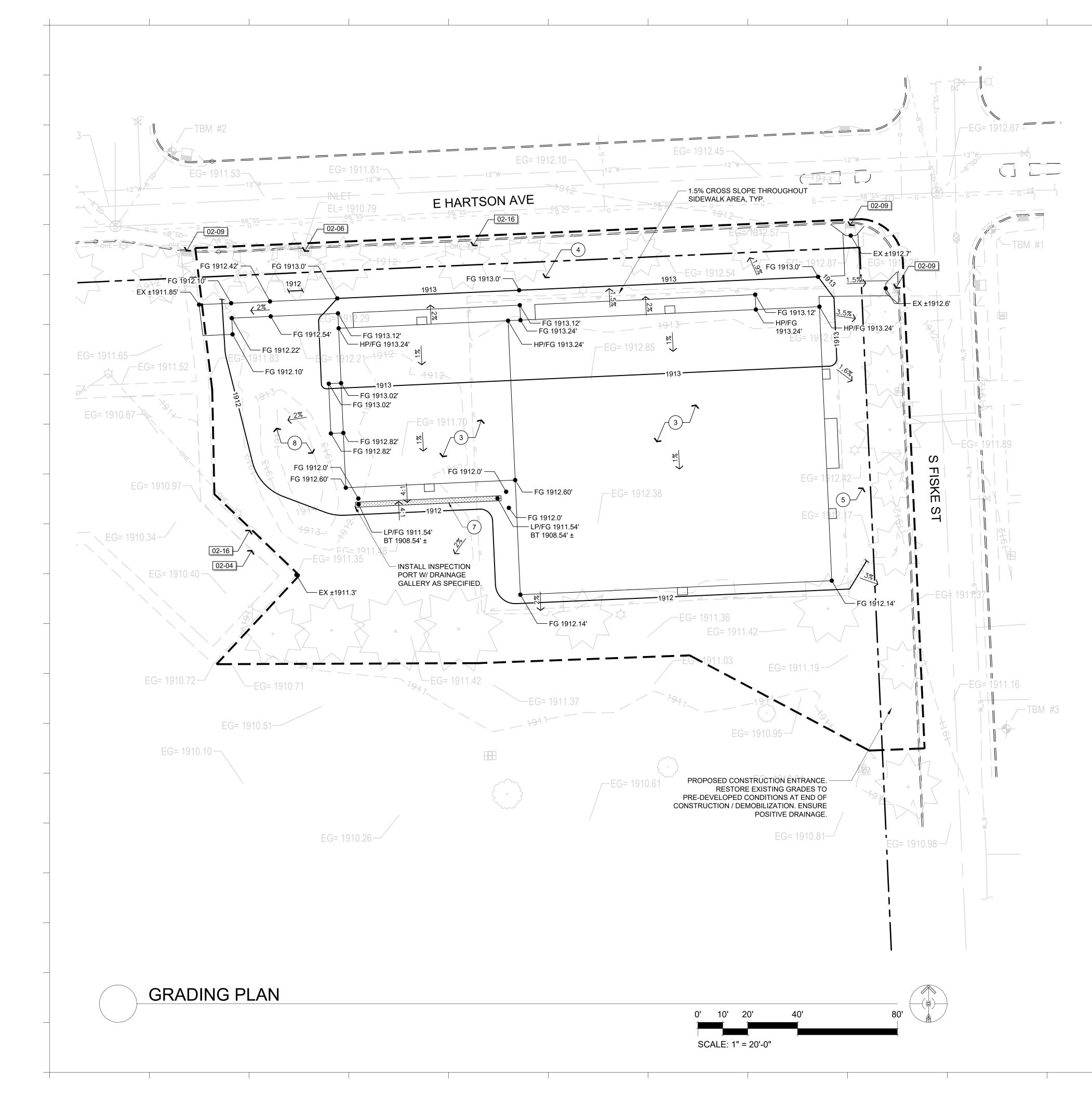
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SYMBOL	DESCRIPTION	DETAIL
9	SURFACE TRANSITION AND FENCE POSTS BETWEEN SPORT COURTS.	7/L5.1
(10)	FENCE POSTS ALONG PERIMETERS OF SPORT COURTS.	6/L5.1
<u>SYMBOL</u>	12 FURNISHINGS DESCRIPTION	DETAIL
12-06	FENCING TYPE 2 AS SPECIFIED. SEE SHEET L1.1.	1/L5.0
12-07	GATE TYPE 1 AS SPECIFIED. TOTALY QTY. 3.	2/L5.0
12-08	GATE TYPE 2 AS SPECIFIED. TOTALY QTY. 1.	2/L5.0
12-09	PICKLEBALL POSTS, NETTING, AND ASSOCIATED EQUIPMENT AS SPECIFIED. FOUR (4) TOTAL POSTS, TWO (2) TOTAL NETS.	8/L5.0
12-11	BASKETBALL GOAL EQUIPMENT, POLE, AND BASE AS SPECIFIED. TOTAL QTY. 4.	7/L5.0





LEGEND PROPERTY LINE — — 1912 — — -1912 —

EG 1912.57 EXISTING SPOT ELEVATIONS

REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION	DETAIL
3	GRADE SPORT COURTS FROM NORTHERN END TO SOUTHERN END AT MIN. 0.8% TO MAX. 1% CONSISTENTLY.	
4	MATCH E.G. AT TREE PROTECTION FENCING ALONG E. HARTSON AVE., APPROXIMATELY 4' OFFSET FROM EDGE OF NEW SIDEWALK.	
5	MATCH E.G. AT TREE PROTECTION FENCING ALONG S. FISKE ST., APPROXIMATELY 8' OFFSET FROM EXISTING TREE TRUNKS.	
7	INSTALL INFILTRATION GALLERY TRENCH UNDER TURFGRASS SOD.	5/L5.0
8	REMOVE EXISTING BERM AND FLATTEN AREA WITH POSITIVE DRAINAGE AT MIN. 2%. UTILIZE EXCESS BERM MATERIAL ON SITE IF NEEDED TO FILL TO ACHIEVE PROPOSED GRADES. REMOVE ANY EXCESS MATERIAL.	
SYMBOL	02 EXISTING CONDITIONS DESCRIPTION	DETAIL
02-04	EXISTING SIDEWALK TO REMAIN. PROTECT IN PLACE.	
02-06	EXISTING CATCH BASIN. PROTECT IN PLACE. SEE ESC PLAN.	
02-09	EXISTING CURB RAMP, PROTECT IN PLACE, TYP.	
02-16	EXISTING LIGHT POLE AND BASE TO REMAIN. PROTECT IN PLACE.	

GRADING & REPAIR NOTES

- AND SHALL MAINTAIN 1.5% CROSS-SLOPE IN ALL LOCATIONS.
- 3. COMPACT ALL STRUCTURAL FILL TO 95% REL. DENSITY (MIN).
- APPROVED TYPE 'A' TOPSOIL. DO NOT EXCEED 85% COMPACTION WITHIN LANDSCAPE AREA.
- FINISH GRADING PRIOR TO PLACEMENT OF TURF SOD. 7. CONTRACTOR TO REPAIR ALL DAMAGED LANDSCAPE AREA WITH TURF SOD.

ABBREVIATIONS

EX±: MATCH EXISTING GRADE PLUS/MINUS ELEVATION FG: FINISH GRADE HP: HIGH POINT LP: LOW POINT BT: BOTTOM OF TRENCH (INFILTRATION GALLERY)

LIMITS OF CONSTRUCTION

EXISTING CONTOUR LINE (1' INTERVAL)

PROPOSED CONTOUR LINE (1' INTERVAL)

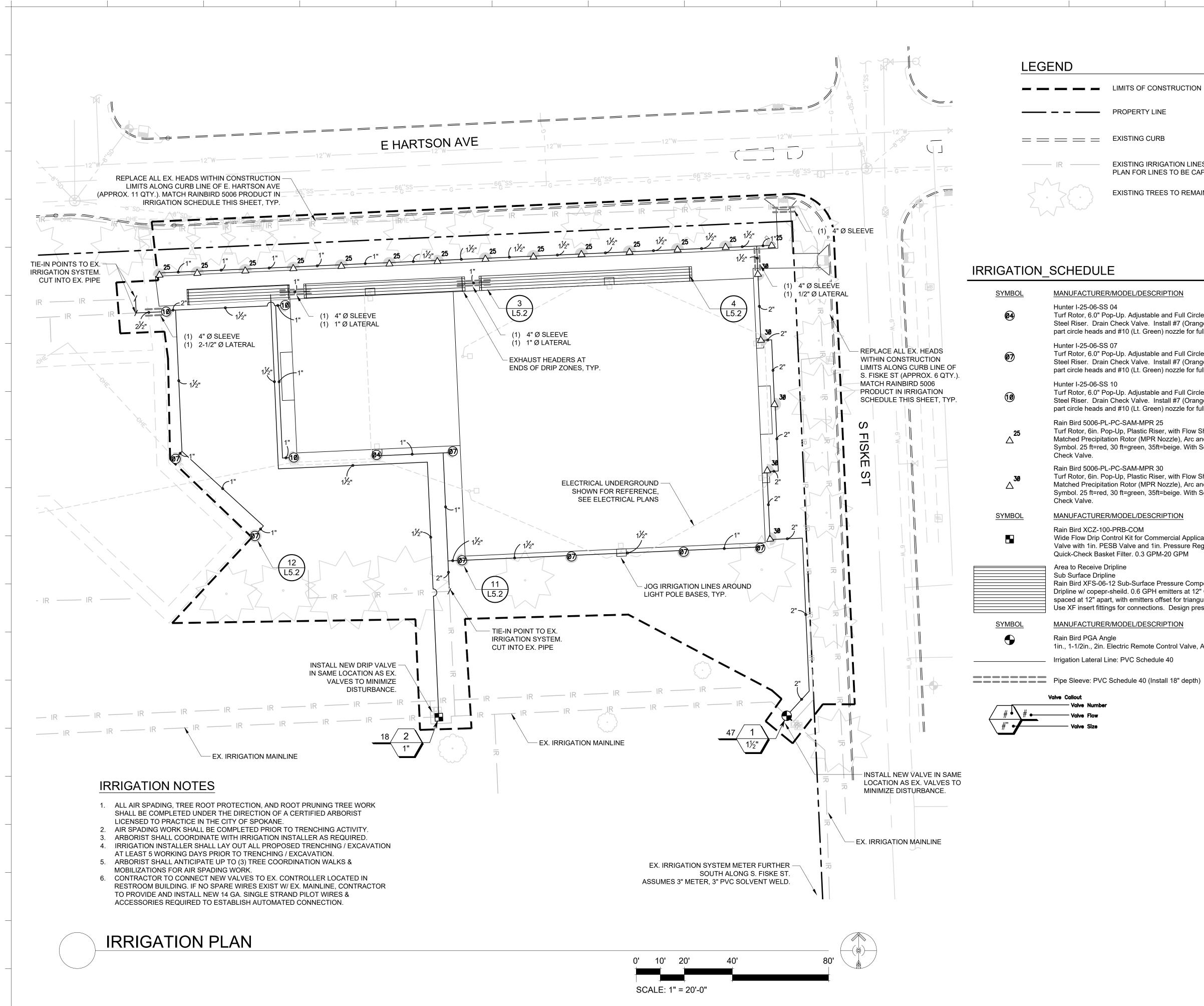
1. NEW SIDEWALKS SHALL NOT EXCEED 4.5% LONGITUDINAL SLOPE IN ANY LOCATION 2. ALL IMPORTED FILL BENEATH SIDEWALKS TO BE CSTC, CDF, OR APPROVED EQUAL. 4. FILL PLACED OUTSIDE THE EXTENT OF THE PROPOSED SIDEWALKS SHALL BE

 ALL ORGANIC SPOILS SHALL BE DISPOSED AT APPROPRIATE OFF-SITE FACILITY.
 TAPER FINISH GRADE FROM TOP OF PROPOSED WALKWAY TO ADJACENT LANDSCAPE WITH IMPORTED TOPSOIL. LANDSCAPE ARCHITECT TO APPROVE



Know what's below. Call before you dig.

CITY OF	SPOKANE C	PARKS & RECREATION
A CONTRACTOR		AST LIGHT RATE AREA CAPE AREA CAPE AREA
UNDERHILL SPORT COURTS	2910 E. HARTSON AVENUE	GRADING PLAN
DRAWIN THIS S DATE:	ACCOR ACCOR 4/22 Y: NO:	ch on original DT ONE INCH ON DJUST SCALES DDINGLY 2/2024 1L H 003
<u>∕</u> 2 SHEET	<u>7</u>	SION 3 4 OF 20 COF



EXISTING IRRIGATION LINES TO REMAIN. SEE DEMOLITION PLAN FOR LINES TO BE CAPPED AND ABANDONED.

EXISTING TREES TO REMAIN

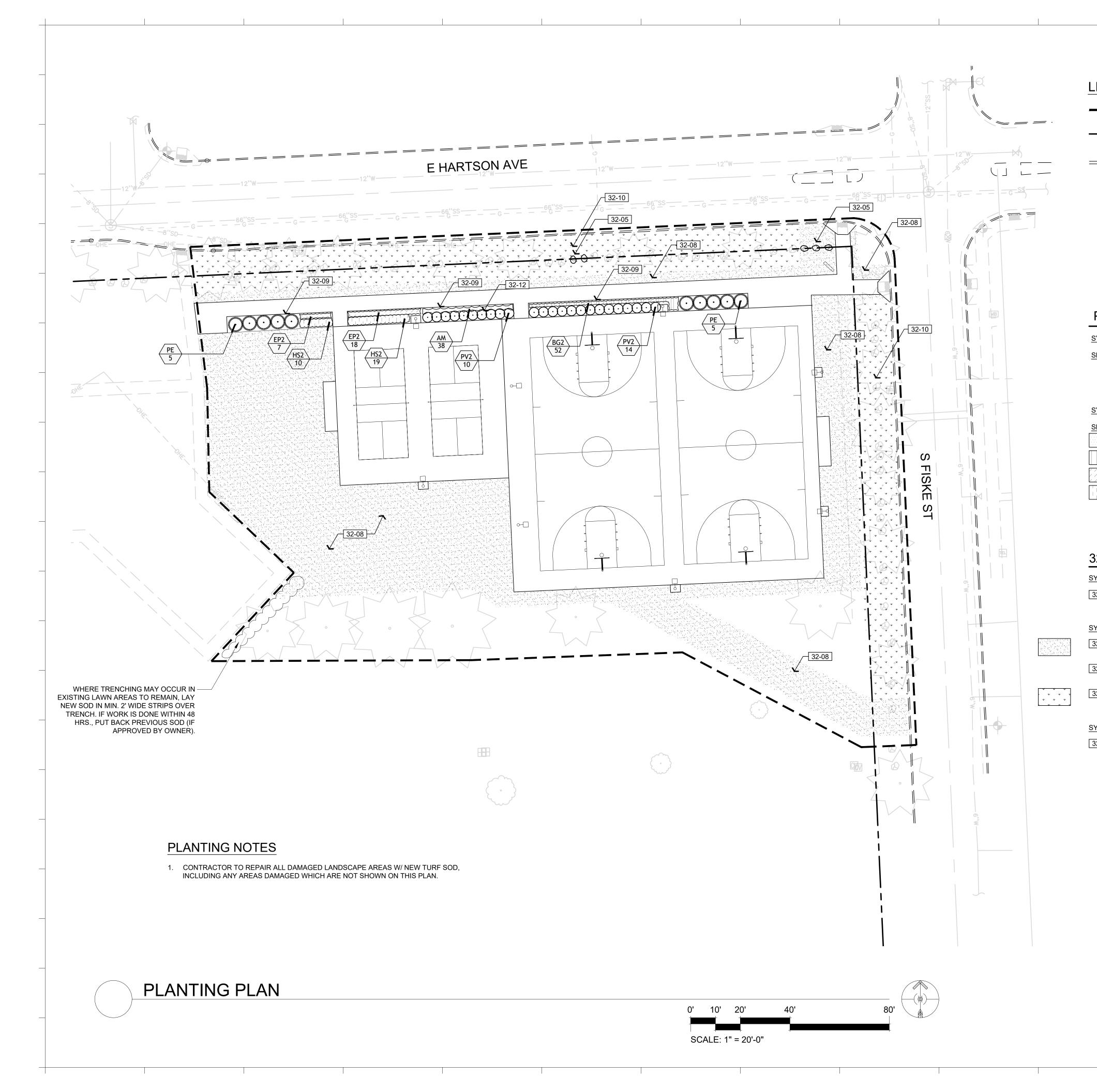
CRIPTION	<u>QTY</u>	<u>PSI</u>	<u>GPM</u>	<u>RADIUS</u>	DETAIL
ble and Full Circle. Stainless Install #7 (Orange) nozzle for een) nozzle for full circle heads.	1	50	4.3	41'	11/12 L5.2
ble and Full Circle. Stainless Install #7 (Orange) nozzle for een) nozzle for full circle heads.	7	50	7	47'	11/12 L5.2
ble and Full Circle. Stainless Install #7 (Orange) nozzle for een) nozzle for full circle heads.	3	50	10.1	51'	11/12 L5.2
R 25 Riser, with Flow Shut-Off Device. R Nozzle), Arc and Radius as per 85ft=beige. With Seal-A-Matic	14	55		25'	11/12 L5.2
R 30 Riser, with Flow Shut-Off Device. R Nozzle), Arc and Radius as per 85ft=beige. With Seal-A-Matic	5	55		30'	11/12 L5.2
CRIPTION	<u>QTY</u>				DETAIL
ommercial Applications. 1in. Ball 1in. Pressure Regulating 40psi 3PM-20 GPM	1				9/L5.1
e Pressure Compensating PH emitters at 12" O.C. Laterals s offset for triangular pattern. ions. Design pressure of 30 PSI.	1,199 I.f.				1/13 L5.2
CRIPTION	<u>QTY</u>				DETAIL
e Control Valve, Angle.	1				10/L5.1
edule 40	1,230 l.f.				2/L5.2
Install 18" depth)	15.4 l.f.				6/7 L5.2

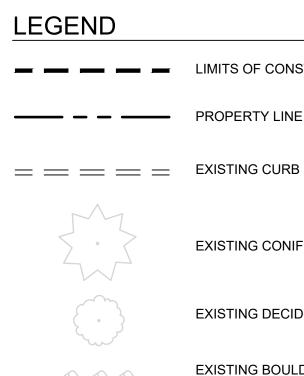


Know what's **below. Call** before you dig.

		CREATION
CITY	SPOKAN	PARKS RECRE/
No.	OF WAS	A MARKEN AND A MAR
UNDERHILL SPORT COURTS	2910 E. HARTSON AVENUE	IRRIGATION PLAN
DRAWIN	ONE INCH OI G. IF NOT O HEET, ADJUS ACCORDING	NE INCH ON ST SCALES
DATE: 04 DRAWN BY CHECKED PROJECT	ML ^{BY:} NH	
R <u> </u>	EVISI	ON
SHEET	<u></u>	DF <u>20</u>

IRRIGATION PLAN





PLANT SCHEDULE

CODE	BOTANICAL NAME
PV2	Panicum virgatum
PE	Pinus strobus `Nana`
CODE	BOTANICAL NAME
EAS	
AM	Achillea millefolium
BG2	Bouteloua gracilis
EP2	Echinacea purpurea
HS2	Helictotrichon sempe
	PV2 PE <u>CODE</u> <u>EAS</u> AM BG2 EP2

32 EXTERIOR IMPROVEMENTS SCHEDULE

SYMBOL	DESCRIPTION	DETAIL
32-05	RELOCATE BOULDERS AT LOCATIONS OF REMOVED TREES, MAINTAIN CONSISTENT SPACING WITH EXISTING BOULDERS. TOTALY QTY. 5	6/L5.0
SYMBOL	DESCRIPTION	DETAIL
32-08	TURFGRASS SOD ATOP 4" DEPTH TOPSOIL AS SPECIFIED.	
32-09	3" DEPTH SHREDDED WOOD CHIP MULCH ATOP 6" DEPTH TOPSOIL IN SHRUB AND PERENNIAL BEDS AS SPECIFIED. PLUG AND OVERSEED AREAS. SEED AS SPECIFIED	2/L5.1
<u>SYMBOL</u>	ASPHALT PAVING DESCRIPTION	DETAIL
32-12	SHRUB AND PERENNIAL PLANTING.	1/L5.1

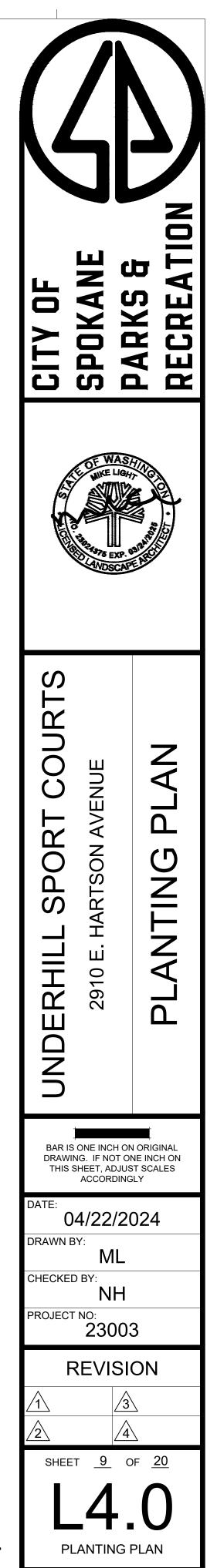
LIMITS OF CONSTRUCTION

EXISTING CONIFEROUS TREE TO REMAIN

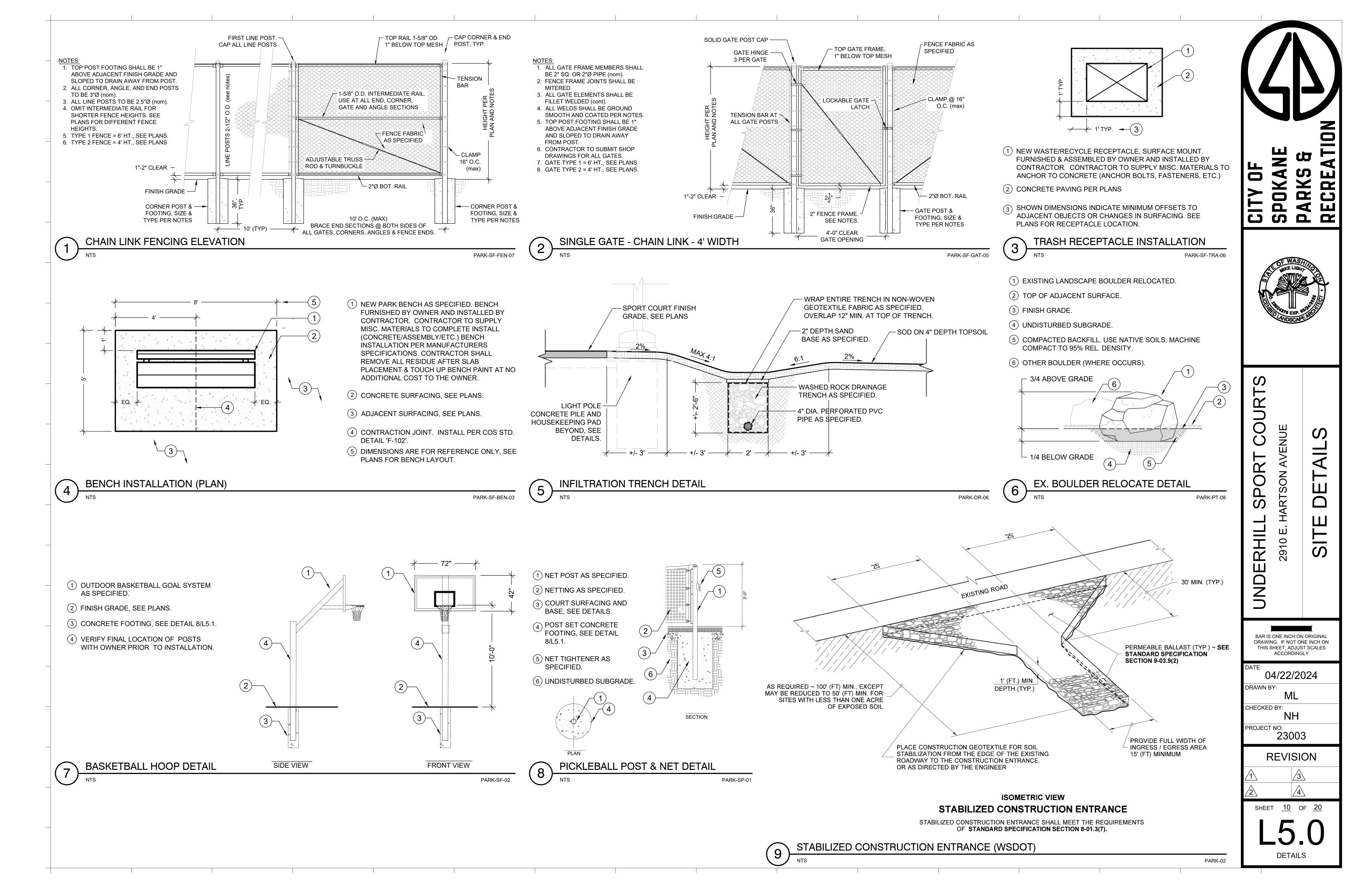
EXISTING DECIDUOUS TREE TO REMAIN

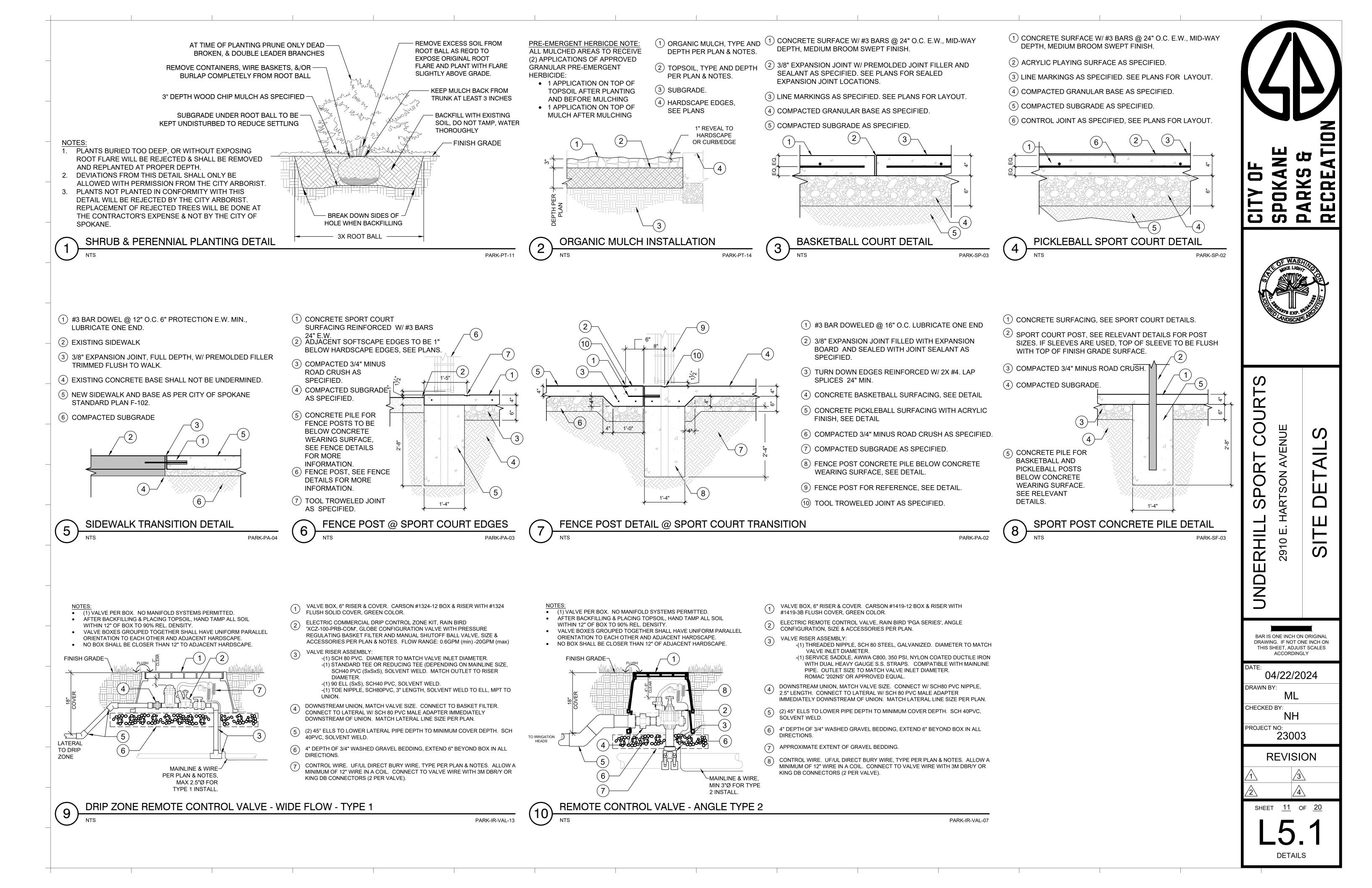
EXISTING BOULDER TO REMAIN

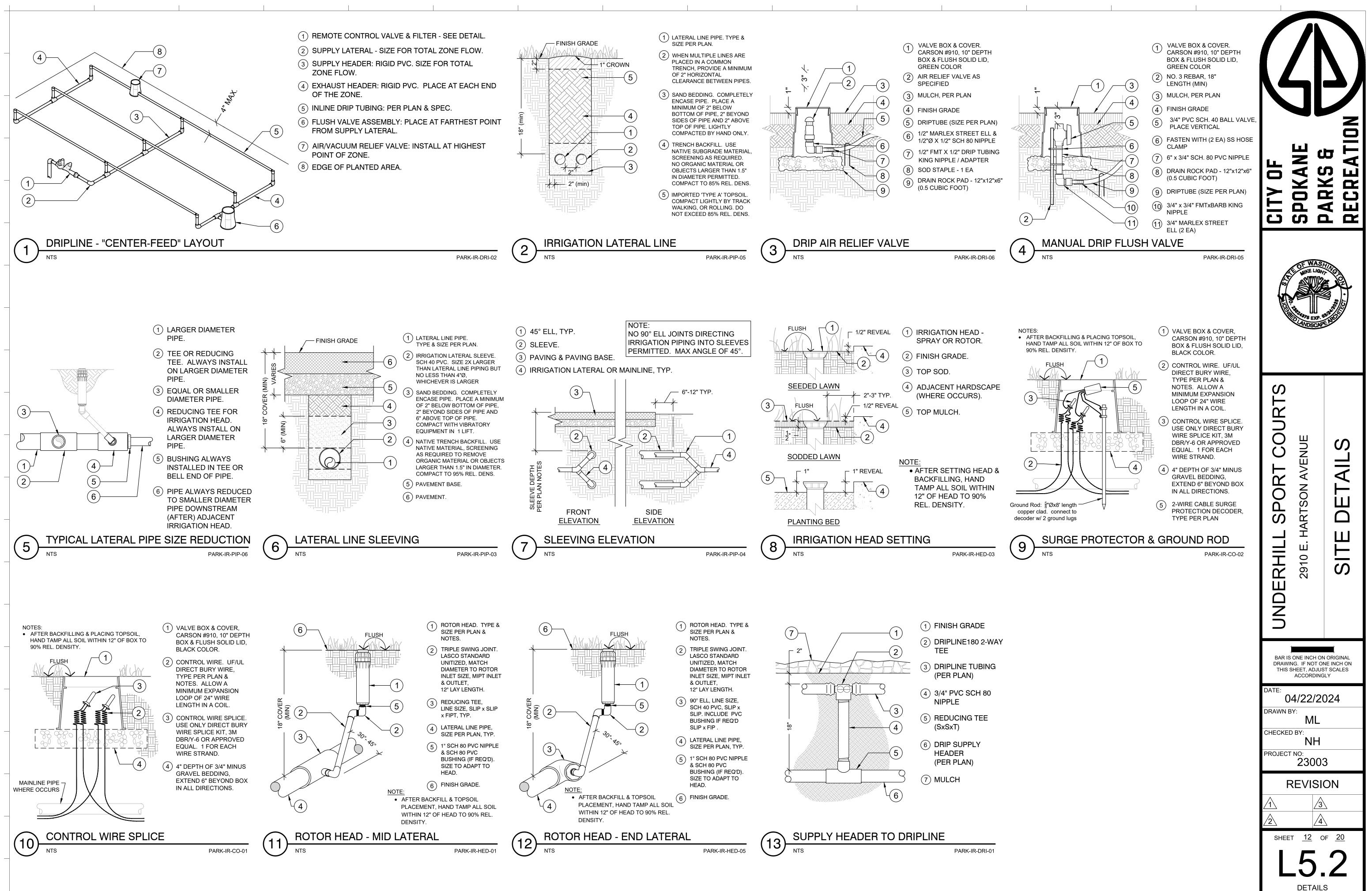
	COMMON NAME	<u>SIZE</u>		<u>QTY</u>
	Switch Grass	5 gal		24
	Dwarf White Pine	5 gal		10
	COMMON NAME	<u>CONT</u>	<u>SPACING</u>	<u>QTY</u>
	Common Yarrow	1 gal	18" o.c.	38
	Blue Grama Grass	1 gal	18" o.c.	52
	Coneflower	1 gal	24" o.c.	25
virens	Blue Oat Grass	1 gal	24" o.c.	29



Know what's below. Call before you dig.







SYMBOL LEGENDS

	ELECTRICAL SYMBOLS		DIAGRAMA
₽	NEMA 5-20R DUPLEX RECEPTACLE, +18" AFF UON	_^_	CIRCUIT BREAK
	 'A' MOUNTED +4" ABOVE COUNTER BACKSPLASH, TO CENTER OTHERWISE +48" AFF TO CENTER WHERE NO COUNTER 'C' CEILING MOUNTED RECEPTACLE 		ENCLOSED CIR
	'DW' DISHWASHER CONNECTION BELOW COUNTER, GFCI PROTECTED 'EM' RECEPTACLE ON EMERGENCY POWER	<i></i> _	SWITCH, SIZE A
	'G' GFCI RECEPTACLE 'GD' RECEPTACLE FOR GARBAGE DISPOSAL	-~-	FUSE, SIZE AS
	'IG' ISOLATED GROUND RECEPTACLE, +18" AFF UON 'M' MICROWAVE RECEPTACLE, +66" AFF UON	_~~~	FUSIBLE SWITC
	'R' REFRIGERATOR RECEPTACLE, +48" AFF 'TR' TAMPER RESISTANT RECEPTACLE	Ť	GROUND ELEC
	V' VENDING MACHINE RECEPTACLE, +48" AFF WC' WATER COOLER CONNECTION BEHIND COOLER, GFCI PROTECTED	H	NORMALLY CLO
0	'WP' GFCI RECEPTACLE WITH WEATHERPROOF COVER		NORMALLY OP
Ģ	NEMA 5-20R CONTROLLED DUPLEX RECEPTACLE, +18" AFF UON METHOD OF CONTROL SHALL BE VIA TIMECLOCK OR OCCUPANCY SENSOR	لل ل	CURRENT TRAI
Æ	← CIRCUIT 'X' DUPLEX RECEPTACLE, SPLIT WIRED, +18" AFF UON	́∩ РТ (М)	POTENTIAL TR
	CIRCUIT 'Y'	$\overline{\mathbf{V}}$	VOLTMETER
e ^a	NEMA 5-20R SWITCHED RECEPTACLE, +18" AFF UON LOWERCASE SUBSCRIPT DENOTES SWITCHLEG	A	AMMETER
	NEMA 5-20R FLUSH FLOOR BOX DUPLEX RECEPTACLE	(200N)	FEEDER IDENT
FB1	MULTIPURPOSE FLOOR BOX		CONDUIT AND
*	NUMBER INDICATES FLOOR BOX CONFIGURATION, SEE DETAILS		LOCKABLE DIS
∯= C+	NEMA 5-20R QUADPLEX RECEPTACLE, +18" AFF UON		LOCKABLE, UN
Gr	NEMA 5-20R CONTROLLED QUADPLEX RECEPTACLE, +18" AFF UON METHOD OF CONTROL SHALL BE VIA TIMECLOCK OR OCCUPANCY SENSOR		LOCKABLE, FU
JORJ	JUNCTION BOX, RECESSED OR SURFACE, 4" UON		MAGNETIC MO
● ^{6-30R}	SPECIAL RECEPTACLE NEMA CONFIGURATION AS INDICATED	~~~~>>>>	CIRCUIT BREAK
Р	POWER AND/OR DATA DISTRIBUTION POLE	\mathcal{A}	MOTOR CONNE
ם בי	NON-FUSED DISCONNECT SWITCH		TRANSFORME
	FUSED DISCONNECT SWITCH	3E	CONTROL TRAI
R	COMBINATION MOTOR STARTER/DISCONNECT SWITCH	эс х	THERMAL OVE
S _M	MANUAL MOTOR STARTER		INLINE FUSE, S
Ň	MOTOR CONNECTION		MANUAL PUSH
∕©∕	GENERATOR CONNECTION		MANUAL PUSH
	POWER DISTRIBUTION PANELBOARD	I ~ N • E	TRANSFER SW
	GENERAL DRAWING SYMBOLS	•	CONNECTION 1
(#)	DRAWING KEYNOTE INDICATOR. NUMBER INDICATES KEYNOTE REFERENCED ON EACH DRAWING	•	WIRING CONNE
#	DETAIL CALLOUT, TOP NUMBER INDICATES THE DETAIL NUMBER, BOTTOM NUMBER INDICATES THE DRAWING NUMBER	Aux	WIRING DE
# E#.#	ELEVATION VIEW IDENTIFIER TOP = REFERENCE VIEW NUMBER	Alv	AUXILLIARY CA
SHEET: E#.#	BOTTOM = REFERENCE SHEET NUMBER	CAT3	AUDIO/VIDEO C
	-MATCHLINE, TEXT INDICATES CONTINUED VIEW DRAWING SHEET ELECTRICAL DEVICE, NEW (THICK LINESTYLE)	CATS	CATEGORY 3 C
	ELECTRICAL DEVICE, EXISTING TO REMAIN (THIN LINESTYLE)	CAT6	CATEGORY 5 C
[], ⇔=	ELECTRICAL DEVICE, TO BE REMOVED (DASHED LINESTYLE)	CCTV	CLOSED CIRCL
-	AREA OF ELECTRICAL REVISION, ADDENDA, RFI,	FA	FIRE ALARM CA
	OR OTHER CHANGE	_HT	HEAT TRACE C
	- INDICATES ELECTRICAL CHANGE NUMBER - "ADD" INDICATES ADDENDA	LV	LOW VOLTAGE
	"RFI" REQUEST FOR INFORMATION REFERENCE "F" FIELD CHANGE	NC	NURSE CALL C
		OHC	OVERHEAD CO
	LIGHTING SYMBOLS	OHF	OVERHEAD FIB
S _{a,b}	LIGHT SWITCH, +48" AFF UON	OHP	OVERHEAD PO
−a,b	LOWERCASE LETTERS DENOTE ZONE(S) OF CONTROL COMMA BETWEEN LOWERCASE ZONES INDICATES MULTIPLE SWITCHES	OHT	OVERHEAD TEI
	IF NO ZONE OF CONTROL IS INDICATED, IT SHALL BE ASSUMED THAT THE SWITCH SHALL CONTROL ALL FIXTURES WITHIN THE SPACE ITS LOCATED.	1	UNDERGROUN
	SUBSCRIPTS DENOTE: '3' 3-WAY SWITCH	- UGD	UNDERGROUN
	'4' 4-WAY SWITCH 'D' DIMMING 'K' KEY OPERATED	-UGT	UNDERGROUN
	'OS' OCCUPANCY SENSOR INTEGRAL		UNDERGROUN
S _{3a,Db,c}	EXAMPLE: (1) 3 WAY SWITCH 'a', (1) DIMMER SWITCH 'b', (1) SWITCH 'c'		CONDUIT STUE
D Sabcd	EXAMPLE: (1) 4 ZONE SWITCH WITH DIMMING CAPABILITIES		CABLE TRAY
OS	CEILING MOUNTED OCCUPANCY SENSOR		
	WALL MOUNTED OCCUPANCY SENSOR		
	PHOTOCELL		
R1E	FIXTURE ON EMERGENCY/BATTERY POWER HALF SHADED HATCH AND/OR 'E' WITHIN FIXTURE CALLOUT	SYME	: NOT ALL LEGE BOLS OR ABBRE
R1E-	FIXTURE DESIGNATORS:	ARE N PROJ	NECESSARILY U ECT.
	CALLOUT TAG SWITCH ZONE OF CONTROL DAVIDUE TONE		
dz1 🚤	—— DAYLIGHT ZONE		

	DIAGRAMATIC SYMBOLS	
~	CIRCUIT BREAKER, SIZE AS INDICATED	
	ENCLOSED CIRCUIT BREAKER, SIZE AS INDICATED	
	SWITCH, SIZE AS INDICATED	
-~-	FUSE, SIZE AS INDICATED	
_~	FUSIBLE SWITCH, FUSE AND SWITCH SIZE AS INDICATE	=n
、 、		
Ť	GROUND ELECTRODE, GROUND BUS, GROUND CONNE NORMALLY CLOSED CONTACT OR RELAY	.01
71 		
	NORMALLY OPEN CONTACT OR RELAY	
L L	CURRENT TRANSFORMER, CT OR METER CONNECTION	N
́∩ РТ		
M	KWH/KW METER	
V	VOLTMETER	
(A)	AMMETER FEEDER IDENTIFIER, REFERENCE THE FEEDER SCHED	
	CONDUIT AND CONDUCTOR REQUIREMENTS	
	LOCKABLE DISCONNECT SWITCH WITH SEPARATE MO	ΓOI
	LOCKABLE, UNFUSED, DISCONNECT SWITCH	
	LOCKABLE, FUSED, DISCONNECT SWITCH	
\boxtimes	COMBINATION MOTOR STARTER/DISCONNECT SWITCH	I, L
-1 $\mid -\infty -$	MAGNETIC MOTOR STARTER	
$\langle\!\langle\!\rangle\rangle$	CIRCUIT BREAKER WITH DRAWOUT FEATURE	
\mathcal{N}	MOTOR CONNECTION	
<u>}</u>	TRANSFORMER	
	CONTROL TRANSFORMER	
x	THERMAL OVERLOAD	
	INLINE FUSE, SIZE AS INDICATED	
	MANUAL PUSHBUTTON, NORMALLY CLOSED	
	MANUAL PUSHBUTTON, NORMALLY OPEN	
I · · · E	TRANSFER SWITCH, AUTOMATIC OR MANUAL	
	CONNECTION TO REMOTE DEVICE	
•	WIRING CONNECTION	
	WIRING DEFINITIONS	
AUX	AUXILLIARY CABLE	
AV	AUDIO/VIDEO CABLE	
CAT3	CATEGORY 3 CABLE	
CAT5	CATEGORY 5 CABLE	
CAT6	CATEGORY 6 CABLE	
CCTV	CLOSED CIRCUIT TELEVISION CABLE	
FA	FIRE ALARM CABLE	
HT	HEAT TRACE CABLE	A (
LV	LOW VOLTAGE CABLE	
	NURSE CALL CABLE	
	OVERHEAD COMMUNICATIONS	
OHF	OVERHEAD FIBER	
ОНР	OVERHEAD POWER	
OHT	OVERHEAD TELECOMMUNICATIONS	
UGC	UNDERGROUND COMMUNICATIONS	
UGF	UNDERGROUND FIBER	
UGP	UNDERGROUND POWER	
UGT	UNDERGROUND TELECOMMUNICATIONS	
	CONDUIT STUB LOCATION	
1	CABLE TRAY	

NOTE: NOT ALL LEGEND SYMBOLS OR ABBREVIATIONS ARE NECESSARILY USED ON THIS PROJECT.

ABBREVIATIONS

	A, AMP	AMPERES	HZ	HERTZ
	AF	AMP FUSE	HOA	HAND-OFF-AUTOMATIC
	AFF	ABOVE FINISHED FLOOR	IC	INTERCOM SYSTEM
	AFG	ABOVE FINISHED GRADE	ID	INNERDUCT OR INNER DIAMETER
	AIC	AMPERES INTERRUPTION CURRENT	IDF	INTERMEDIATE DISTRIBUTION FRAME
	ANN	ANNUNCIATOR	IG	ISOLATED GROUND
	AR	AS REQUIRED	IP-GSM	INTERNET/CELLULAR FIRE ALARM COMMUNICATOR
	AT	AMP TRIP	IMC	INTERMEDIATE METAL CONDUIT
	ATS	AUTOMATIC TRANSFER SWITCH	ISC	SHORT CIRCUIT AMPERES
ΓED	AWG	AMERICAN WIRE GAUGE	JB	JUNCTION BOX
	BPI	BYPASS ISOLATION	K	KEY OPERATED SWITCH OR LOCK
IECTION	C	CONDUIT	KVA	KILOVOLT AMPERES
	CATV	CABLE TV	KW	KILOWATT
	CB	CIRCUIT BREAKER	KWH	KILOWATT HOUR
	CCTV	CLOSED CIRCUIT TELEVISION	LTG	LIGHTING
	CKT	CIRCUIT	LV	LOW VOLTAGE
	CT	CURRENT TRANSFORMER	LVE	LOW VOLTAGE ELECTRONICS
N	CLG	CEILING	LVE	LOW VOLTAGE SECURITY ELECTRONICS
	CO	CONDUIT ONLY	LSI	LONG, SHORT, INSTANTANEOUS PICK UP AND TIME DELAY
	COM	COMMON	LSIG	LSI FUNCTION WITH GROUND FAULT PROTECTION
	COM	COMMUNICATIONS	MAX	MAXIMUM
	DAS	DISTRIBUTED ANTENNA SYSTEM	MCA	MINIMUM CIRCUIT AMPS
	DAG	DIRECT DIGITAL CONTROL (BY MECHANICAL CONTRACTOR)	MCA	MAIN CIRCUIT BREAKER
	DIA	DIAMETER	MCC	MAIN CIRCOTT BREAKER
	DISC	DISCONNECT	MCC	MOTOR CIRCUIT PROTECTOR
	DISC	DISTRIBUTION	MDF	MAIN DISTRIBUTION FRAME
	DPIS	DOOR POSITION INDICATION SWITCH	MES	MAIN DISTRIBUTION TRAME MEDICAL EMERGENCY SYSTEM
DULE	DVR	DIGITAL VIDEO RECORDER	MIN	MINIMUM
	EA	EACH	MLO	MAIN LUG ONLY
	ELEC		MMS	MANUAL MOTOR STARTER
DTOR STARTER	ELEC	ELECTRIC OR ELECTRICAL ELEVATION OR ELEVATOR	MOV	MANUAL MUTUR STARTER METAL OXIDE VARISTOR
	EM	EMERGENCY	MTS	MANUAL TRANSFER SWITCH
	EMT		NC	NORMALLY CLOSED
	EUH	ELECTRICAL METALLIC TOBING	NEC	NATIONAL ELECTRICAL CODE
	EWH	ELECTRIC UNIT HEATER	NIC	NOT IN CONTRACT
H, LOCKABLE	F	FRACTIONAL HORSEPOWER	NF	NON-FUSIBLE OR NON-FUSED
	FA	FIRE ALARM	NE	NIGHTLIGHT
	FAA	FIRE ALARM ANNUNCIATOR	NO	NORMALLY OPEN
	FACP	FIRE ALARM CONTROL PANEL	NTS	NOT TO SCALE
	FLA	FULL LOAD AMPERES	NVR	NOT TO SCALE NETWORK VIDEO RECORDER
	FO	FIBER OPTIC	OCP	OVERCURRENT PROTECTION
	FPS	FRAMES PER SECOND	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
	FFS	FUSED SWITCH	OFOI	OWNER FURNISHED OWNER INSTALLED
	FSD FVNR	FIRE/SMOKE DAMPER FULL VOLTAGE NON-REVERSING		
		GROUND	OHP	OVERHEAD POWER
	G, GND GFCI	GROUND GROUND FAULT CIRCUIT INTERRUPTER	OL P	OVERLOADS POLE OR Ø PHASE
	GFCI		-	
			PNC	PATIENT NURSE CALL
	GRC	GALVANIZED RIGID CONDUIT		

					FEEDER /	BRANCH SCHEDULI	E				
					C	ircuit Designator					
Circuit Ampacity (Amps)	Circuit No.	S=(1)PH+(1)N+(1)G 1 Phase, 1 Pole	SG=(1)PH+(1)N+(2)G 1 Phase, 1 Pole W/ISOLATED GROUND	P=(2)PH+(1)G 1 Phase, 2 Pole, 2W	PN=(2)PH+(1)N+(1)G 1 Phase, 2 Pole, 3W	PG=(1)PH+(1)N+(2)G 1 Phase, 2 Pole, 3W W/ISOLATED GROUND	=(3)PH+(1)G 3 Phase, 3 Wire	N=(3)PH+(1)N+(1)G 3 Phase, 4 Wire	IG=(3)PH+(1)N+(2)G 3 Phase, 4 Wire W/ISOLATED GROUND	AWG Phase (PH) & Neutral (N)	AWG Ground (G)
		Conduit Size, (Sets)	Conduit Size, (Sets)	Conduit Size, (Sets)	Conduit Size, (Sets)	Conduit Size, (Sets)	Conduit Size, (Sets)	Conduit Size, (Sets)	Conduit Size, (Sets)		
20	20	3/4", (1)	3/4", (1)	3/4", (1)	3/4", (1)	3/4", (1)	3/4", (1)	3/4", (1)	3/4", (1)	#12	#12
30	30	3/4", (1)	3/4", (1)	3/4", (1)	3/4", (1)	3/4", (1)	3/4", (1)	3/4", (1)	3/4", (1)	#10	#10
40	40	3/4", (1)	3/4", (1)	3/4", (1)	3/4", (1)	3/4", (1)	3/4", (1)	3/4", (1)	3/4", (1)	#8	#10
50	50	1", (1)	1", (1)	1", (1)	1", (1)	1", (1)	1", (1)	1", (1)	1", (1)	#6	#10
60	60	1 1/4", (1)	1 1/4", (1)	1 1/4", (1)	1 1/4", (1)	1 1/4", (1)	1 1/4", (1)	1 1/4", (1)	1 1/4", (1)	#4	#10
70	70	1 1/4", (1)	1 1/4", (1)	1 1/4", (1)	1 1/4", (1)	1 1/4", (1)	1 1/4", (1)	1 1/4", (1)	1 1/4", (1)	#4	#8
80 90	80 90	1 1/4", (1)	1 1/4", (1)	1 1/4", (1)	1 1/4", (1) 1 1/2", (1)	1 1/4", (1) 1 1/2", (1)	1 1/4", (1) 1 1/2", (1)	1 1/4", (1)	1 1/4", (1)	#3 #2	#8 #8
90 100	90 100	1 1/2", (1) 1 1/2", (1)	1 1/2", (1) 1 1/2", (1)	1 1/2", (1) 1 1/2", (1)	1 1/2", (1)	1 1/2", (1)	1 1/2", (1)	1 1/2", (1) 1 1/2", (1)	1 1/2", (1) 1 1/2", (1)	#2 #1	#0 #8
125	100	1 1/2 , (1)	1 1/2 , (1)	2", (1)	2", (1)	2", (1)	2", (1)	2", (1)	2", (1)	#1	#6 #6
120	120			2", (1)	2", (1) 2", (1)	2", (1) 2", (1)	2", (1)	2", (1) 2", (1)	2", (1)	#1/0	#6
175	175			2", (1)	2", (1)	2", (1)	2", (1)	2", (1)	2", (1)	#2/0	#6
200	200			2 1/2", (1)	2 1/2", (1)	2 1/2", (1)	2 1/2", (1)	2 1/2", (1)	2 1/2", (1)	#3/0	#6
225	225			2 1/2", (1)	2 1/2", (1)	2 1/2", (1)	2 1/2", (1)	2 1/2", (1)	2 1/2", (1)	#4/0	#4
250	250			3", (1)	3", (1)	3", (1)	3", (1)	3", (1)	3", (1)	#250	#4
300	300			3 1/2", (1)	3 1/2", (1)	3 1/2", (1)	3 1/2", (1)	3 1/2", (1)	3 1/2", (1)	#350	#4
350	350			4", (1)	4", (1)	4", (1)	4", (1)	4", (1)	4", (1)	#500	#3
400	400			4", (1)	4", (1)	4", (1)	4", (1)	4", (1)	4", (1)	#600	#3
450	450						2 1/2", (2)	2 1/2", (2)	2 1/2", (2)	#4/0	#2
500	500						3", (2)	3", (2)	3", (2)	#250	#2
600	600						3 1/2", (2)	3 1/2", (2)	3 1/2", (2)	#350	#1
700	700						4", (2)	4", (2)	4", (2)	#500	#1/0
800	800						4", (2)	4", (2)	4", (2)	#600	#1/0
1000	1000						3 1/2", (3)	3 1/2", (3)		#400	#2/0 #2/0
1200 1600	1200 1600						4", (3) 4", (4)	4", (3) 4", (4)		#600 #600	#3/0 #4/0
2000	2000						4 , (4 <i>)</i> 4", (5)	4 , (4) 4", (5)		#600 #600	#4/0 #250
2500	2500						4", (6) 4", (6)	4 , (5) 4", (6)		#600 #600	#250
3000	3000						4", (8)	4", (8)		#500 #500	#400
4000	4000						4", (10)	4", (10)		#600	#500
							- , (• •)	.,(,			
Notes:	50010			(1) //OFO N. ()							
. EXAMPLE:	500IG = (2)) Sets of 3" conduit, each with	h (3) #250 Phase conductors, (#250 Neutral conductor, a 	nd (2) #2 Ground conductors						

2. Conduit sizes are based on THWN insulation for all conductors and RGS conduit.

3. Ground Conductors can be omitted from Service Entrance Feeders if applicable. 4. Reference NEC for metric conduit requirements.

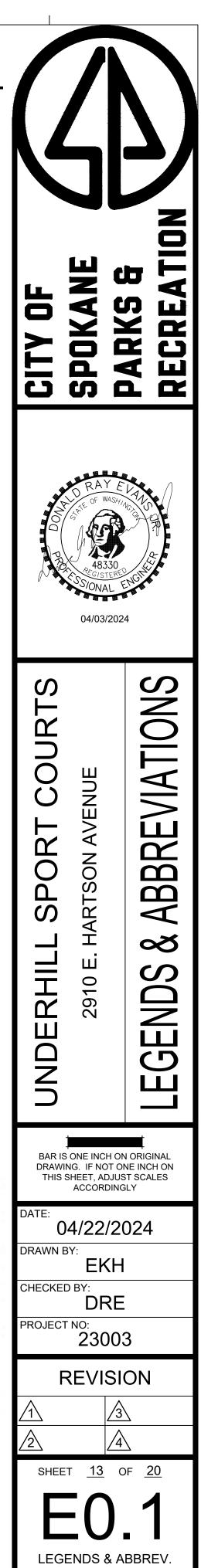
5. If aluminum conductors are allowed for feeders, increase conductor sizing to match ampacity rating of copper conductors shown, and adjust conduit size appropriately.

6. To avoid voltage drop, increase conductor size and conduit for feeders over 150 ft in length.

PNL PH	PANEL PHASE Ø
PVC	POLY VINYL CHLORIDE
REQD	REQUIRED
REX RGS	REQUEST-TO-EXIT RIGID GALVANIZED STEEL
RVNR	REDUCED VOLTAGE NON-REVERSING
SASD	SILICONE AVALANCHE SURGE SUPPRESSION
SC	SHORT CIRCUIT
SCCR	SHORT CIRCUIT CURRENT RATING
SCA SP	SHORT CIRCUIT AMPERES SPARE
SPD	SURGE PROTECTION DEVICE
SPDT	SINGLE POLE, DOUBLE THROW
SPST	SINGLE POLE, SINGLE THROW
SPKR SSRV	SPEAKER SOLID STATE REDUCED VOLTAGE
ST	SHUNT TRIP
SW	SWITCH
SWBD	SWITCHBOARD
TBD TFCI	TO BE DETERMINED TENANT FURNISHED CONTRACTOR INSTALLED
TBB	TELEPHONE TERMINAL BOARD
TV	TELEVISION
TYP	
UFER UG	CONCRETE ENCASED GROUNDING ELECTRODE UNDERGROUND
UGP	UNDERGROUND POWER
UGT	UNDERGROUND TELEPHONE
UON	UNLESS OTHERWISE NOTED
VA VFD	VOLT AMPERES VARIABLE FREQUENCY DRIVE
VFSC	VARIABLE FREQUENCY SPEED CONTROLLER
W	WATTS OR WIRE
WP	WEATHERPROOF
W/ W/O	WITH WITHOUT
WS	WORKSTATION
WSR	WITHSTAND RATING
XFMR	
(D) (E)	(DEMOLISHED) EXISTING TO BE REMOVED (EXISTING) EXISTING TO REMAIN
(E) (R)	(RELOCATED) EXISTING TO BE RELOCATED
1P	SINGLE POLÉ
2P	TWO POLE
2W 3P	TWO WIRE THREE POLE
3P 3W	THREE FOLE
4W	FOUR WIRE



Know what's **below. Call** before you dig.



DIVISION	26 -	ELEC	CTRIC	AL
SEC	CTION	I 2600	10	
GENERAL ELEC	CTRIC	AL R	EQUIF	REMENTS

PART 1 GENERAL

1.01 SUMMARY

A. Section Includes: Basic Electrical Requirements which are applicable to all Division 26, 27, and 28 sections. Items included in this Section are directly related to two or more technical specification sections or items that are general in nature.

1.02 CODES, PERMITS AND FEES

- A. The installation of this Work shall comply in every way with the requirements of the laws, ordinances and rules of the State of Washington, WISHA, the National Fire Protection Agency, and the National Electrical Code.
- B. If any conflict occurs between these rules and this specification, the rules shall govern. Nothing in these Contract Drawings and Technical Specifications shall allow Work not conforming with governing codes. This does not relieve the Contractor from complying with all requirements of the plans or specifications which may be in excess of these or other requirements.

1.03 INTENT

- A. The Contractor shall furnish and install all necessary materials, accessories, mounting and support, and devices to complete the electrical equipment and systems installation specified, excluding exempt items mentioned elsewhere within the specifications.
- B. Any item or service that is called for in the specifications or shown on the plans, shall be considered required for the inclusion of said item in this Contract. If conflict exists within the Specifications or the Drawings, the Contractor shall furnish the item, system, or workmanship which is the highest quality, largest, or most closely fits the Owners Representative's intent (as determined by the Owner's representative or project engineer). Reference the General Conditions of the Contract for further clarification.
- C. All details and drawings are diagrammatic and accurate to the extent required. The Contractor shall verify all dimensions of the project site and be responsible for their accuracy.
- D. All sizes as given are minimum unless noted otherwise.
- E. Materials and labor shall be new (other than items referenced as relocated), top quality, and integrated in a professional, workmanlike manner, and shall be subject at all times to inspections by the Owners Representative's, Architect, or Engineer

1.04 PROJECT/SITE CONDITIONS

A. Install items and perform Work in locations shown on Drawings or declared in the specifications. Project conditions preventing any installation or work required shall be reported in writing to the Owner's Representative for approved corrective action or alteration.

1.05 CONTRACT DRAWINGS

- A. The Contract drawings indicate the extent of electrical Work and the approximate locations and arrangement of the electrical equipment and devices. The drawings do not necessarily show the exact number of raceways, junction boxes, or outlet boxes for the circuits required, nor does it show the exact routing of the circuits and conduit. The Contractor shall field verify routing requirements and coordinate those requirements with other trades.
- B. The specifications and drawings are complimentary and what is required in either is as binding as if indicated on both. Where a conflict or discrepancy exists between the drawings and the specifications, the most stringent shall apply.

1.06 RECORD DRAWINGS

- A. The Contractor shall maintain at least one copy each of the specifications and drawings on the job site at all times. B. The Contractor shall maintain and markup changes and deviations from the Contract Drawings. All buried or concealed
- piping, conduit, or similar items shall be located on the record drawings. The drawings shall indicate location, pathway, depth, material, and item description.
- C. The daily record of changes shall be the responsibility of Contractor's field superintendent. No arbitrary mark-ups will be
- D. At completion of the project, the Contractor shall submit the marked-up record drawings to the Owner's Representative. PART 2 PRODUCTS

2.01 SPECIAL ENVIRONMENTS

A. Weatherproof Locations: Wiring, conduit, fixtures, and equipment in wet or exterior locations shall conform to NFPA 70 requirements for installation in damp or wet locations

2.02 SUBMITTALS

- A. Provide submittal data per Owner Requirements.
- B. For consistency and tracking, all submittals shall be presented in the same electronic format throughout the entire project. Submittals sent in alternate formats may be returned to the contractor to be submitted in the proper manner.
- C. Submittals in electronic format shall be submitted in PDF form. Each submittal section shall be submitted individually and titled with the appropriate section. Grouping of submittals in a single PDF is not allowed and will be returned to the contractor for proper documentation process.
- D. At the request of the Owner's Representative, the successful Bidder shall furnish additional drawings, illustrations, catalog data, performance characteristics, etc.
- Submittals must be approved before procurement is authorized.
- F. Substitutions/Prior Submittals: Procedures for Substitutions/Prior Submittals shall be coordinated with the Owner's Representative and their requirements.

2.03 AS-BUILT DOCUMENTS

A. Refer to Owner Requirements.

PART 3 EXECUTION

3.01 GENERAL INSTALLATION REQUIREMENTS

- A. Drawings are diagrammatic in nature and do not necessarily indicate every required conduit, box, fitting, etc.
- B. Drawings and specifications are complementary. Items, materials, work or standards required in one shall be considered reauired in both

C. Before any Work is begun, determine that equipment will properly fit the space and that conduit can be run as contemplated without interferences between systems, with structural elements or with the Work of other trades. D. Verify all dimensions by field measurements.

- E. Arrange for chases, slots, and openings in other building components to accommodate electrical installations.
- F. Coordinate the installation of required supporting devices and sleeves to be set in poured-in-place concrete and other structural components, as they are constructed.
- G. Coordinate the cutting and patching of building components to accommodate the installation of electrical equipment and materials.
- H. Where mounting heights are not detailed or dimensioned, install electrical conduits, boxes, and overhead equipment to provide the maximum headroom possible. In general, keep installations tight to structure.

3.02 EXCAVATION AND BACKFILL

A. Perform all excavation and backfill Work to accomplish indicated electrical systems installations.

3.03 CUTTING AND PATCHING

- A. Cutting of concrete or other building materials shall be avoided where possible.
- B. All cutting and patching of new and existing construction required for the installation of systems and equipment shall be the responsibility of the Contractor. All cutting shall be accomplished with masonry saws, drills or similar equipment to provide neat uniform openings.
- C. Patch and repair walls, floors, ceilings and roof with materials of same quality and appearance as adjacent surfaces unless otherwise shown. All patching shall meet the approval of the Owner's Representative.

D. Cut carefully to minimize necessity for repairs to existing Work. Do not cut beams, columns, or trusses or other structural members without the Owner Representative's written approval.

3.04 COORDINATION

A. The Contractor shall cooperate with other trades and the Owner's Representative in locating Work in a proper manner. Should it be necessary to raise or lower or move longitudinally any part of the electrical Work to better fit the general installation, such Work shall be done at no extra cost to the Owner, provided such decision is reached prior to actual installation. The Contractor shall check the location of electrical outlets with respect to other installations before installing.

B. The Contractor shall verify that all devices are compatible for the surfaces on which they will be used. This includes, but is not limited to, light fixtures, panelboards, devices, etc. and recessed or semi-recessed heating units installed in/on

- architectural surfaces. 3.05 PROJECT FINALIZATION
- B. Submit record drawings. C. Warranties/Guarantees:
- D. Housekeeping and Clean Up:
- order
- equipment
- PART 1 GENERAL (NOT USED) PART 2 PRODUCTS (NOT USED) PART 3 EXECUTION 3.01 PREPARATION

- system only to make switchovers and connections. Minimize outage duration.

PART 1 GENERAL

- 1.01 SUBMITTALS

PART 2 PRODUCTS

- complete operating system.
- D. Comply with NEMA WC 70.
- G. Conductor Material:
- are based on coppe
- H. Minimum Conductor Size:
- 1. Branch Circuits: 12 AWG.
- a. Exceptions:

- Conductor Color Coding:
- 2. Color Coding Method: Integrally colored insulation.
- 3. Color Code: a. 240/120 V, 1 Phase, 3 Wire System:

1) Phase A: Black.

2.02 WIRING CONNECTORS

PART 3 EXECUTION 3.01 INSTALLATION

PART 1 GENERAL

1.01 SUBMITTALS

PART 2 PRODUCTS

components.

- A. Circuiting Requirements:

 - b.

A. Training of User Agency's Personnel: Instruct user agency's personnel in the proper operation and maintenance of systems and equipment provided as part of this project. Demonstrate startup and shutdown procedures for all equipment. All training to be during normal working hours.

1. The Contractor shall guarantee all Work to be free from defects in material and workmanship for a period of one year. The Contractor shall make good at his own expense all defects in his Work and/or equipment furnished by him which shall develop at any time during the one year guarantee period and shall stand any expense of cutting and patching and repairing made necessary to correct unsatisfactory Work or equipment operation.

1. The Contractor shall clean up and remove from the premises, on a daily basis, all debris and rubbish resulting from its Work and shall repair all damage to new and existing equipment resulting from its Work. When the job is complete, this Contractor shall remove all tools, excess material and equipment, etc., from the site

2. Clean exposed conduits, equipment, and lighting fixtures. Repair damaged finishes and leave everything in working 3. Remove stickers from fixtures and electrical equipment. Remove protective covers from fixtures and electrical

SECTION 260505 SELECTIVE DEMOLITION FOR ELECTRICAL

A. Provide temporary wiring and connections to maintain existing systems in service during construction. When work must be performed on energized equipment or circuits, use personnel experienced in such operations. B. Existing Electrical Service: Maintain existing system in service until new system is complete and ready for service. Disable

SECTION 260519 LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES

A. Product Data: Provide manufacturer's standard catalog pages and data sheets for conductors and cables, including detailed information on materials, construction, ratings, listings, and available sizes, configurations, and stranding.

2.01 CONDUCTOR AND CABLE GENERAL REQUIREMENTS

A. Provide products that comply with requirements of NFPA 70.

B. Provide products listed, classified, and labeled as suitable for the purpose intended.

C. Unless specifically indicated to be excluded, provide all required conduit, boxes, wiring, connectors, etc. as required for a

E. Thermoplastic-Insulated Conductors and Cables: Listed and labeled as complying with UL 83.

F. Thermoset-Insulated Conductors and Cables: Listed and labeled as complying with UL 44.

Provide copper conductors only. Aluminum conductors are not acceptable for this project. Conductor sizes indicated

2. Copper Conductors: Soft drawn annealed, 98 percent conductivity, uncoated copper conductors complying with ASTM B3, ASTM B8, or ASTM B787/B787M unless otherwise indicated. 3. Tinned Copper Conductors: Comply with ASTM B33.

1) 20 A, 120 V circuits longer than 75 feet: 10 AWG, for voltage drop. 20 A, 120 V circuits longer than 150 feet: 8 AWG, for voltage drop. 3) 20 A, 240 V circuits longer than 150 feet: 10 AWG, for voltage drop

4) 20 A, 240 V circuits longer than 300 feet: 8 AWG, for voltage drop.

1. Color code conductors as indicated unless otherwise required by the authority having jurisdiction. Maintain consisten color coding throughout project.

2) Phase B: Red.

3) Neutral/Grounded: White.

b. Equipment Ground, All Systems: Green.

A. Description: Wiring connectors appropriate for the application, suitable for use with the conductors to be connected, and listed as complying with UL 486A-486B or UL 486C as applicable.

- Circuiting Adjustments: Unless otherwise indicated, when branch circuits are indicated as separate, combining them together in a single raceway is permitted, under the following conditions: a. Provide no more than six current-carrying conductors in a single raceway. Dedicated neutral conductors are
- considered current-carrying conductors. Increase size of conductors as required to account for ampacity derating.
- c. Size raceways, boxes, etc. to accommodate conductors.
- B. Install products in accordance with manufacturer's instructions.
- C. Perform work in accordance with NECA 1 (general workmanship).
- D. Secure and support conductors and cables in accordance with NFPA 70 using suitable supports and methods approved by the authority having jurisdiction. Provide independent support from building structure. Do not provide support from
 - raceways, piping, ductwork, or other systems.
- E. Install conductors with a minimum of 12 inches of slack at each outlet.
- F. Make wiring connections using specified wiring connectors.
- G. Insulate splices and taps that are made with uninsulated connectors using methods suitable for the application, with insulation and mechanical strength at least equivalent to unspliced conductors.
- H. Unless specifically indicated to be excluded, provide final connections to all equipment and devices, including those furnished by others, as required for a complete operating system.

SECTION 260526 GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS

A. Product Data: Provide manufacturer's standard catalog pages and data sheets for grounding and bonding system

- 2.01 GROUNDING AND BONDING REQUIREMENTS
- A. Existing Work: Where existing grounding and bonding system components are reused, they may be reused only where they are free from corrosion, integrity and continuity are verified, and where acceptable to the authority having jurisdiction.
- B. Do not use products for applications other than as permitted by NFPA 70 and product listing.
- C. Unless specifically indicated to be excluded, provide all required components, conductors, connectors, conduit, boxes, fittings, supports, accessories, etc. as necessary for a complete grounding and bonding system.
- Where conductor size is not indicated, size to comply with NFPA 70 but not less than applicable minimum size requirements D. specified.
- E. Bonding and Equipment Grounding:
- 1. Provide bonding for equipment grounding conductors, equipment ground busses, metallic equipment enclosures, metallic raceways and boxes, device grounding terminals, and other normally non-current-carrying conductive materials enclosing electrical conductors/equipment or likely to become energized as indicated and in accordance with NFPA 70.
- 2. Provide insulated equipment grounding conductor in each feeder and branch circuit raceway. Do not use raceways as sole equipment grounding conductor.
- 3. Where circuit conductor sizes are increased for voltage drop, increase size of equipment grounding conductor proportionally in accordance with NFPA 70. 4. Unless otherwise indicated, connect wiring device grounding terminal to branch circuit equipment grounding conductor
- and to outlet box with bonding jumper. Terminate branch circuit equipment grounding conductors on solidly bonded equipment ground bus only. Do not
- terminate on neutral (grounded) or isolated/insulated ground bus.
- 6. Provide bonding jumper across expansion or expansion/deflection fittings provided to accommodate conduit movement.

2.02 GROUNDING AND BONDING COMPONENTS

- A. General Requirements:
- Provide products listed, classified, and labeled as suitable for the purpose intended. 2. Provide products listed and labeled as complying with UL 467 where applicable.
- B. Conductors for Grounding and Bonding, in Addition to Requirements of Section 260526:
- Use insulated copper conductors unless otherwise indicated. a. Exceptions:
- Use bare copper conductors where installed underground in direct contact with earth. 2) Use bare copper conductors where directly encased in concrete (not in raceway).
- C. Connectors for Grounding and Bonding: Description: Connectors appropriate for the application and suitable for the conductors and items to be connected
- listed and labeled as complying with UL 467.
- 2. Unless otherwise indicated, use exothermic welded connections for underground, concealed and other inaccessible connections.
- 3. Unless otherwise indicated, use mechanical connectors, compression connectors, or exothermic welded connections for accessible connections.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install products in accordance with manufacturer's instructions
- B. Perform work in accordance with NECA 1 (general workmanship).
- C. Make grounding and bonding connections using specified connectors.
- Remove nonconductive paint, enamel, or similar coating at threads, contact points, and contact surfaces.

SECTION 260533.13 CONDUIT FOR ELECTRICAL SYSTEMS

PART 1 GENERAL

1.01 SUBMITTALS

- A. Project Record Documents: Record actual routing for conduits installed underground, conduits embedded within concrete slabs, and conduits 2-inch (53 mm) trade size and larger.
- PART 2 PRODUCTS

2.01 CONDUIT APPLICATIONS

- A. Do not use conduit and associated fittings for applications other than as permitted by NFPA 70, manufacturer's instructions, and product listing.
- B. Unless otherwise indicated and where not otherwise restricted, use conduit types indicated for specified applications. Where more than one listed application applies, comply with most restrictive requirements. Where conduit type for particular application is not specified, use galvanized steel rigid metal conduit.
- C. Underground: Under Slab on Grade: Use galvanized steel rigid metal conduit (RMC) or rigid PVC conduit.
- Exterior, Direct-Buried: Use galvanized steel rigid metal conduit (RMC) or rigid PVC conduit
- Exterior, Embedded Within Concrete: Use galvanized steel rigid metal conduit (RMC) or rigid PVC conduit.
- Where rigid polyvinyl chloride (PVC) conduit is provided, transition to galvanized steel rigid metal conduit (RMC) or schedule 80 rigid PVC conduit where emerging from underground.
- D. Exposed, Interior, Not Subject to Physical Damage: Use galvanized steel rigid metal conduit (RMC), galvanized steel electrical metallic tubing (EMT), or rigid PVC conduit.
- E. Exposed, Interior, Subject to Physical Damage: Use galvanized steel rigid metal conduit (RMC). 1. Locations subject to physical damage include, but are not limited to:
- Where exposed below 8 feet, except within electrical and communication rooms or closets. Exposed, Exterior, Not Subject to Severe Physical Damage: Use galvanized steel rigid metal conduit (RMC).
- G. Exposed, Exterior, Subject to Severe Physical Damage: Use galvanized steel rigid metal conduit (RMC). 1. Exterior locations subject to severe physical damage include, but are not limited to: Where exposed to vehicular traffic below 20 feet.

2.02 CONDUIT - GENERAL REQUIREMENTS

A. Comply with NFPA 70.

specified.

B. Fittings:

B. Fittings:

complying with UL 6.

or UL 6.

F.

- B. Existing Work: Where existing conduits are indicated to be reused, they may be reused only where they comply with specified requirements, are free from corrosion, and integrity is verified by pulling mandrel through them.
- C. Provide conduit, fittings, supports, and accessories required for complete raceway system
- D. Provide products listed, classified, and labeled as suitable for purpose intended.
- E. Minimum Conduit Size, Unless Otherwise Indicated: Branch Circuits: 3/4-inch trade size.

3. Underground, Exterior: 1-inch trade size.

Material: Use steel or malleable iron.

Material: Use steel or malleable iron.

labeled as complying with UL 797.

compression/gland types, are not permitted.

2.04 GALVANIZED STEEL ELECTRICAL METALLIC TUBING (EMT)

2.03 GALVANIZED STEEL RIGID METAL CONDUIT (RMC)

Branch Circuit Homeruns: 3/4-inch trade size.

Where conduit size is not indicated, size to comply with NFPA 70 but not less than applicable minimum size requirements

A. Description: NFPA 70, Type RMC galvanized steel rigid metal conduit complying with ANSI C80.1 and listed and labeled as

1. Nonhazardous Locations: Use fittings complying with NEMA FB 1 and listed and labeled as complying with UL 514B

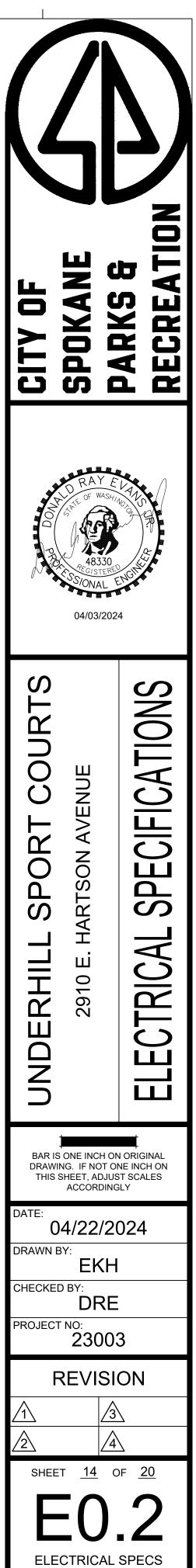
Connectors and Couplings: Use threaded type fittings only. Threadless fittings, including set screw and

A. Description: NFPA 70, Type EMT galvanized steel electrical metallic tubing complying with ANSI C80.3 and listed and

Description: Fittings complying with NEMA FB 1 and listed and labeled as complying with UL 514B.



Know what's **below**. **Call** before you dig.



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 Calvanized Bicel Rigid Metal Conduit (RNC): Install in accordance with NECA 101. Rigid Polyavid Chindre (PVC) Conduit: Install in accordance with NECA 101. Concell conduits in unless specifically indicated to be caposed. Conduits in the down and the sequence with NECA 111. Concell conduits in unless specifically indicated to be caposed. Concell conduits in the sequence with NEPA 70 using suitable supports and methods approved by attainting the Ampuing jurisdatco. Spectra and support conduits in accordance with NEPA 70 using suitable supports and methods approved by attainting the Ampuing jurisdatco. Provide independent support to no building structures. Do not provide supports and methods approved by attainting the Ampuing jurisdatco. Provide independent support to mobiling structures. Do not provide support for polying, iudiators. Provide independent support Tomo building structures. Do not provide support to for building the compound on field-call timesas of galaxinzad steal conduits pror to an arranging thus for verif coatanne. Provide independent conduits in boos and and coasures using threaded hubs or double lock rules for day locations and arranging thus for verif coatanne. Provide independent polying, insulated threads, or lasial metal fittings with smooth, rounded dogs at conduit to approval or downer. Provide independent polying, insulated threads, or lasial metal fittings with smooth, rounded dogs at conduit to approval or downer. Provide independent support waterproof membrane, seal as regulated to installation. Set sloves fluck with unpoped of of constal insulation installing of pattiling in accordance with verify coatanner. Hondes conduits pattern the prove thread poly pattiling in accordance with NECA 101. Underground Installator: Provide independent support waterproof membrane, s	 Install enclosure Install additional deflections during G. Install permanent barri H. Install firestopping to p in Section 078400. PART 1 GENERAL 1.01 SUBMITTALS A. Product Data: Provide PART 2 PRODUCTS 2.01 IDENTIFICATION REQUID A. Existing Work: Unless of the new work. B. Identification for Equip 1. Use identification compartments, a
 Intermediate Metal Conduct (MC): Install in accordance with NECA 101. Conduct and the following information of the composed. Conduct is in the following areas may be expeed, unless otherwise indicated: a. Decking areas may be expeed, unless otherwise indicated: b. Decking areas may be expeed, unless otherwise indicated: b. Decking areas may be expeed, unless otherwise indicated: conducts in the following areas may be expeed. Conducts in the following areas may be expeed. Connections and Terminations: Use approval provide support from building structure. Do not provide support from piping, ductwork, or other systems. Connections and Terminations: Use approval more than a formation in conduct in toose and enclosures using threaded hubs or double look nuts for dy locations and miniph hubs for velic contox. Provide inducting buching, insulted throats, riskiden family and the metal filling structure. Provide induction product conducture. Provide induction produ	G. Install permanent barri H. Install firestopping to p in Section 078400. PART 1 GENERAL 1.01 SUBMITTALS A. Product Data: Provide PART 2 PRODUCTS 2.01 IDENTIFICATION REQUID A. Existing Work: Unless of the new work. B. Identification for Equip 1. Use identification compartments, a a. Panelboards 1) Identify 2) Use typ 3) For pov device. b. Time Switch 1) Identify 2) Use typ 3) For pov device. b. Time Switch 1) Identify C. Identification for Cond 1. Color Coding for 2. Use identification at each piece of f 3. Use wire and cat instrumentation of a. At each sour b. Within boxes c. Within equip D. Identification for Boxes 1. Use identification a. For exposed 2.02 IDENTIFICATION NAMEP A. Identification Labels: 1. Materials: Use s 2. Text: Use factory B. Format for Receptacles 1. Minimum Size: 3 2. Legend: Power s 3. Text: All capitaliz
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 Concel conduits unless specifically indicated to be exposed. Conduits in the following areas may be exposed, unless thanks indicated: Experiment cores. Concelling in the following areas may be exposed, unless thanks indicated: A Medicate and approved provides in accordances with NFPA 70 using suitable supports and methods approved by authorities hanking justication. Provide independent support from building stuctures. Do not provide support from paing, ductwork, or other systems. Concertations and Terminations: Use approved anis-rich paint or conduit joint compound on field-out threads of galvanized steel conduits prior to many commentations. Provide insulation gustains, insulated threats, or listed metal fittings with smooth, rounded adges at conduit terminations to protect conductors. Provide insulation purchas and indicators using of partitions and chard ducting foolings and grade beants, without approval surfaces on therwise indicated or required. Provide insulation portal metal strates and on the demantis, the sub with succeed a surfaces unless otherwise indicated or required. Using point paint are otherwise indicated or required. Using point paint prior the main strate of partitions and char diametatic integrity of markman. Instrate prior the prior the point prior the main strate of partitions and char diametation. Set diametation integrity of markman. Indiamum Corve, Unless otherwise indicated or required. Using point prior the prior the prior the partition and partition.<td> in Section 078400. PART 1 GENERAL 1.01 SUBMITTALS A. Product Data: Provide PART 2 PRODUCTS 2.01 IDENTIFICATION REQUID A. Existing Work: Unless of the new work. B. Identification for Equip 1. Use identification for Equip 1. Use identification compartments, at a. Panelboards 1) Identify 2) Use type 3) For power device. b. Time Switch 1) Identify C. Identification for Conditional to a compartment on the each piece of the analysis of the analysi</td>	 in Section 078400. PART 1 GENERAL 1.01 SUBMITTALS A. Product Data: Provide PART 2 PRODUCTS 2.01 IDENTIFICATION REQUID A. Existing Work: Unless of the new work. B. Identification for Equip 1. Use identification for Equip 1. Use identification compartments, at a. Panelboards 1) Identify 2) Use type 3) For power device. b. Time Switch 1) Identify C. Identification for Conditional to a compartment on the each piece of the analysis of the analysi
 a. Electrical rooms. b. Medhanio approved promotes in accordance with NFPA 70 using subble supports and methods approved by support insuit horng plantagines. Concluit Support insuitation plantagines in accordance with NFPA 70 using subble supports and methods approved provide support from planta, ductwork, or other systems. Concellors and Terminations: Use approved prior-sing plant or concluit plant compound on field-cut throads of galvanized steel concluits prior to making concentrations. Terminate threaded concluits in boxes and endocurse using threaded those or double lock rule for dry locations and miningrin this for well boxelinos. Terminate threaded concluits in boxes and endocurse using threaded threads of galvanized steel concluits prior to making concentrations. Terminate threaded concluits in boxes and endocurse using threaded threads or double lock rule for dry locations and miningrin this for eductorial methods. Terminate threaded concluits in boxes and endocurse using threaded threader boxes. Provide steeves for penetrations as indicated or as required to maintain integly of montone. Provide steeves for penetrations as indicated or as required to maintain integly of montone. Instant finatos for addition. Provide steeves for penetrations as indicated or a required to maintain integly of montone. Instant finatos for 24 index. Instant finatos for 24 index. Instant finatos for addition. Provide index provide with the provent entity of mosture and gales. This includes. but is not limited to: a to conduit statiant to provent entity of mosture and gales. This includes. but is not limited to: a to addition in the provent entity of mosture to conduit substant and participant and provent and the provent entity of mosture to conduit substant and provent and time of the indition from undergrou	 PART 1 GENERAL 1.01 SUBMITTALS A. Product Data: Provide PART 2 PRODUCTS 2.01 IDENTIFICATION REQUID A. Existing Work: Unless of the new work. B. Identification for Equip 1. Use identification for Equip 1. Use identification compartments, a a. Panelboards 1) Identify 2) Use typ 3) For powdevice. b. Time Switch 1) Identify C. Identification for Condition for Conditio
 Condust Support Secure and support conduits in accordance with NFPA 70 using suitable supports and methods approved by autionities having jurisdiction. Provide inequencies and Terminations: Use space order direction pain or conduit joint compound on fail-cut threads of galvanized statel conduits prior to the systems. Terminate threaded conduits in hoxes and enclosures using threaded hubs or double lock nuts for dry locations and reminipations: Terminate threaded conduits in hoxes and enclosures using threaded hubs or double lock nuts for dry locations and reminipations for well cacations or distributions. Provide insufating busings, insulated threads, or isled metal fittings with smooth, rounded edges at conduit terminations to protect conductors. Provide insulating busings, insulated threads or required to facilitate installation. Set steaves flush with exposed surfaces unless otherwise indicated or required. Provide insulating busings in sulated threads of paintions and other elements, see Section 070400. Underground Installation: Underground Installation to prevent entry of moisture and gases. This includes, but is not limited to: a within a state or diversities and an accessible point frem paint and there also and its spaces into another and there also and a sheet in and its material state. Wree condulatio gas from uncondulation into an accessible and call there and there and an accessible point frem paint and to accessi	 1.01 SUBMITTALS A. Product Data: Provide PART 2 PRODUCTS 2.01 IDENTIFICATION REQUID A. Existing Work: Unless of the new work. B. Identification for Equip 1. Use identification compartments, at a. Panelboards 1) Identify 2) Use typ 3) For power device. b. Time Switch 1) Identify C. Identification for Conditional each piece of formation of the second secon
 Securé and support conduits in accordance with NFPA 70 using suitable support sand methods approved by authorities butwing justications. Do not provide support from piping, ductwork, or other systems. Controctions and Terminations: Use approved zinc-rén boxes and enclosures using threade hubs or double look nuts for dy locations and maintight hubs for web locations. Provide insignating bushings, insulated threats, or listed metal fittings with smooth, rounded dogs at conduit terminations to prote to conductors. Provide insignating bushings, insulated threats, or listed metal fittings with smooth, rounded dogs at conduit terminations to prote to conductors. Provide insignating bushings, insulated threats, or listed metal fittings with smooth, rounded dogs at conduit approval or otherwise notic or out structural members, including loolings and grade beams, without approval or autificates unless otherwise indicated or required. Underground installation. Provide inserves for portractions are indicated or as required to maintain integrity of membrane. Interface unless otherwise indicated or Required. Metro conduits perfective average of membrane, seal as required to maintain integrity of membrane. Interface unless otherwise indicated or Required. Provide inderground installation. Provide inderground marking in ducatefiling. Metro conduits tertar building from underground distribution system. Provide inderground marking in ducatefiling from underground distribution system. Where conduits entra building from underground distribution system. Where conduits teras f	 1.01 SUBMITTALS A. Product Data: Provide PART 2 PRODUCTS 2.01 IDENTIFICATION REQUID A. Existing Work: Unless of the new work. B. Identification for Equip 1. Use identification compartments, at a. Panelboards 1) Identify 2) Use typ 3) For power device. b. Time Switch 1) Identify C. Identification for Conditional each piece of formation of the second secon
 Provide independent support from building structure. Do not provide support from piping, ductwork, or other systems. Connections and Transitions: Use approved zine-rich paint or concluit joint compound on field-out threads of galvanized steel concluits prior to making connections. Terminate threaded conductions and threads, or listed metal fittings with smooth, rounded edges at conduit the minimations to probab conductors. Prevariations: 	 A. Product Data: Provide PART 2 PRODUCTS 2.01 IDENTIFICATION REQUID A. Existing Work: Unless of the new work. B. Identification for Equip 1. Use identification compartments, a a. Panelboards 1) Identify 2) Use typ 3) For power device. b. Time Switch 1) Identify C. Identification for Conditional Color Coding for 2. Use identification at each piece of for 3. Use wire and cate instrumentation of a. At each sourd b. Within boxes c. Within equip D. Identification for Boxes 1. Use identification for Boxes 2. Use identification for Boxes 3. Use vire and cate instrumentation of a. For exposed 2. Identification for Boxes 1. Use identification for Boxes 2. Use identification for Boxes 3. Use vire and cate instrumentation of a. For exposed
 1. Use approved zinc-tich paint or conduit joint compound on field-out threads of galvanized steel conduits prior to making connections. 2. Terminate threaded conduits in boxes and enclosures using threaded hubs or double look nuts for dy locations and raining thr hubs for well tocaling. 3. Terminate this for well tocaling and threads, or listed metal fittings with smooth, rounded edges at conduit terminations to protect conductors. 4. Provide steeders for ponnetrations as indicated or as required to facilitate installation. Set skews flush with exposed surfaces ultrase otherwise indicated or required. 5. Provide steeders for ponnetrate well prior for amobian et al. Statisticate of the set skews of an approximate the resistance and anging of patients. 6. Provide steeders for ponnetrate wellsprior for marking a patient in the sets and a calculate of the sets and a calculate of the sets and calculate installation. 7. Provide steeders for ponnetrate indicated or Required: a. Underground, Extension and being in during the along entities and gales. 7. Provide steeders for ponnetrate indicated or Required:	 PART 2 PRODUCTS 2.01 IDENTIFICATION REQUID A. Existing Work: Unless of the new work. B. Identification for Equip 1. Use identification compartments, a a. Panelboards 1) Identify 2) Use typ 3) For power device. b. Time Switch 1) Identify C. Identification for Conduction for Conduction for Coding for 2. Use identification at each piece of for 3. Use wire and cate instrumentation of a. At each sourd b. Within boxes c. Within equip D. Identification for Boxes 1. Use identification a. For exposed 2.02 IDENTIFICATION NAMEP A. Identification Labels: Materials: Use s Text: Use factory B. Format for Receptacles Minimum Size: 3 Text: All capitalize
 a. Terminate threaded conduits in boxes and enclosures using threaded hubs or double lock nuts for dry locations and namight hubs for wait locations. a. Provide insufating tushings, insulted threats, or listed metal fittings with smooth, rounded edges at conduit the threaded on the protect conductors. b. Provide insulting tushings, insulted threats, or listed metal fittings with smooth, rounded edges at conduit approval to protect conductors. b. Provide insultation to protect conductors. c. Provide insults or protect properties in indicated or as required to facilitate installation. Set sleeves flush with exposed surfaces unless otherwise indicated or required. b. Where conduits penetrate waterproof meritorine, seal as required to maintain integrity of membrane. c. Hordy to preserve fire resistance rating of partitions and other elements; see Section 078400. b. Underground Installation: Provide transformed backling. A. Minimum Convert, Unless Otherwise Indicated or Required:	 A. Existing Work: Unless of the new work. B. Identification for Equip 1. Use identification compartments, a a. Panelboards 1) Identify 2) Use typ 3) For power device. b. Time Switch 1) Identify C. Identification for Conduction for Conduction for Coding for 2. Use identification at each piece of 13. Use wire and cate instrumentation of a. At each sourd b. Within boxes c. Within equip D. Identification for Boxes 1. Use identification a. For exposed 2.02 IDENTIFICATION NAMEP A. Identification Labels: Materials: Use s Text: Use factory B. Format for Receptacle 1. Minimum Size: 3 Text: All capitaliz
 a. Provide insulating bushings, insulated threads, or listed metal fittings with smooth, rounded edges at conduct to transitions to protect conductors. Provide insulating bushings, insulated threads, or listed metal fittings with smooth, rounded edges at conduct approval of Proving. a. Do not penetrate or otherwise indicated or as required to facilitate installation. Set sleeves fluxh with exposed surfaces unless otherwise indicated or as required to facilitate installation. Set sleeves fluxh with exposed surfaces unless otherwise indicated or as required to facilitate installation. Set sleeves fluxh with exposed surfaces unless otherwise indicated or Required. Where conducts penetral warry for membrane, seal as required to facilitate installation. Set sleeves fluxh with exposed surfaces unless otherwise indicated or Required. Moringmond Convolts penetral warry in the conduct of Required. Moringmond Convolts eaders to travel indicated or Required. Where conducts sealars to protect only of moisture and gases. This includes, but is not limited to: a. Where conducts sealars to protect only of onotisture and gases. This includes, but is not limited to: 	of the new work. B. Identification for Equip 1. Use identification compartments, a a. Panelboards 1) Identify 2) Use typ 3) For power device. b. Time Switch 1) Identify C. Identification for Condu 1. Color Coding for 2. Use identification at each piece of for 3. Use wire and cate instrumentation of a. At each sourd b. Within boxes c. Within equip D. Identification for Boxes 1. Use identification a. For exposed 2.02 IDENTIFICATION NAMEP A. Identification Labels: 1. Materials: Use s 2. Text: Use factory B. Format for Receptacle 1. Minimum Size: 3 2. Legend: Power s 3. Text: All capitaliz
 Inventifying: Do not poncifie or otherwise notich or cut structural members, including foolings and grade beams, without approval of Owner. Provide sleeves for penetrations as indicated or as required to facilitate integrity of membrane. Install firstostoping to preserve for creassings and and other demonstry, see Section 078400. Underground installation: Install firstostoping to preserve for creassings and and other demonstry, see Section 078400. Underground installation: Provide transforming and backtilling. Install firstostoping to preserve for creassing and and other demonstry. Provide inderground vaming tape along entire conduit length. Conclus Scaling:	 Use identification compartments, a Panelboards Identify Use typ For powelevice. Time Switch Identify C. Identification for Conduction for Source of for the second form of the
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 er dowiner. Provide sleaves for penetrations as indicated or as required to facilitate installation. Set sleaves flush with exposed surfaces unless otherwise indicated or required. Install frestopping to preserve fire resistance rating of partitions and other elements; see Section 078400. Underground installation: Provide trenching and backfilling. Minimum Cover, Unless Otherwise Indicated or Required: Indicated or Required: Underground, Edator: 24 inches. Provide trenching and backfilling.	 Identify Use typ For power device. Fine Switch Identify C. Identification for Conduction for Coding for Use identification for Conduction at each piece of for Use identification at each piece of for Use wire and cate instrumentation of a. At each sourd b. Within boxes c. Within equip D. Identification for Boxes Use identification a. For exposed Use identification Labels: Materials: Use size Text: Use factory Format for Receptacted Minimum Size: 3 Text: All capitalize
 surfaces unless otherwise indicated or required. Where conduits penetrate websproof membrane, seal as required to maintain integrity of membrane. Install firstopping to preserve fire resistance rating of partitions and other elements; see Section 078400. Underground, Exterior: 24 inches. Provide underground networks indicated or Required: a. Underground, Exterior: 24 inches. Frovide underground varing tape along entire conduit length. K Conduit Sealing: I. Section: 24 inches. Where conduits enter building from underground distribution system. Where conduits pass from outdoors into conditioned interior spaces. Where conduits pass from outdoors into conditioned interior spaces. Where conduits pass from unconditioned interior spaces. Where conduits pass from unconditioned interior spaces. Where conduits pass from outdoors into conditioned interior spaces. Where conduits pass from outdoors into conduitors and tables are to be installed by others. Leave minimum stack of 12 inches at each end. SECTION 260532.16 PART 1 GENERAL Conduct Bate: Provide manufacturer's standard catalog pages and data sheets for underground boxes/enclosures. PART 2 PRODUCTS Could Bate: Provide and sociated accessories required for a complete raceway system and to accommodate devices and equipment to be installed. Provide grounding terminals within boxes where equipment to proves. Provide endust space is and indicated, size to complete raceway system and to accommodate devices and exist is not indicated, size to complete acceway system and to accommodate devices and sociated accessories	 3) For power device. b. Time Switch 1) Identify C. Identification for Conduct 1. Color Coding for 2. Use identification at each piece of 1. Use wire and cate instrumentation of a. At each sourd b. Within boxes c. Within equip D. Identification for Boxes 1. Use identification a. For exposed 2.02 IDENTIFICATION NAMER A. Identification Labels: Materials: Use s. 2. Text: Use factory B. Format for Receptacle 1. Minimum Size: 3. 2. Legend: Power s. 3. Text: All capitalize
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 Provide transmission of the main state of the required: Minimum Cover, Unless Otherwise Indicated or Required: 	 Identify C. Identification for Condu- 1. Color Coding for 2. Use identification at each piece of for 3. Use wire and cather instrumentation of a. At each sourd b. Within boxes c. Within equipt D. Identification for Boxes 1. Use identification a. For exposed 2.02 IDENTIFICATION NAMER A. Identification Labels: 1. Materials: Use so 2. Text: Use factory B. Format for Receptacles 1. Minimum Size: 3 2. Legend: Power so 3. Text: All capitalize
 Minimum Cover, Unless Otherwise Indicated or Required: Underground, Exterior: 24 inches. Provide underground warning tape along entire conduit length. Conduit Sealing: Use form conduit sealent to prevent entry of moisture and gases. This includes, but is not limited to: Where conduits enter building from underground. Where conduits pass from cutoders into conditioned interior spaces. Where conduits pass from underground enterior spaces. Provide pull string in each endy. SECTION 260533.16 BOXES FOR ELECTRICAL SYSTEMS A General Requirements:	 Color Coding for Use identification at each piece of f Use wire and cab instrumentation of a. At each sour b. Within boxes c. Within equip Identification for Boxes Use identification a. For exposed Use identification a. For exposed Identification Labels: Materials: Use so Text: Use factory Format for Receptacle Minimum Size: 3 Legend: Power so Text: All capitalize
 Provide underground warning tape along entire conduit length. Conduit Sealant to provent entry of moisture and gases. This includes, but is not limited to: Where conduits enter building from underground. Where conduits may transport moisture to contact live parts. Where conduits may transport moisture to contact live parts. Where conduits parts through the protein condensation. This includes, but is not limited to:	 2. Use identification at each piece of f 3. Use wire and cat instrumentation of a. At each sourd b. Within boxes c. Within equip D. Identification for Boxes 1. Use identification a. For exposed 2.02 IDENTIFICATION NAMER A. Identification Labels: Materials: Use size Text: Use factory B. Format for Receptacle 1. Minimum Size: 3 Legend: Power size Text: All capitalize
 Use foam conduit sealant to prevent entry of moisture and gases. This includes, but is not limited to: Where conduits enter building from underground distribution system. Where conduits enter building from underground. Where conduits pass from conduitioned interior spaces. Where conduits pass from unconditioned interior spaces. Where conduits pass from unconditioned interior spaces. Where conduits pass from unconditioned interior spaces. Where conduits pass from unconditioned interior spaces. Where conduits enter the conduit and in conduits where conductors and cables are to be installed by others. Leave minimum slack of 12 Inches at each end. Section 260533.16 BOXES FOR ELECTRICAL SYSTEMS PART 1 GENERAL 101 SUBMITALS General Requirements: General Requirements: Do not use boxes and associated accessories for applications other than as permitted by NFPA 70 and product listing. Provide grounding terminals within boxes where equipment grounding conductors terminale. Outlet and Device Boxes and uno undestoted as suitable for the purpose intended.	 3. Use wire and cat instrumentation of a. At each sour b. Within boxes c. Within equip D. Identification for Boxes 1. Use identification a. For exposed 2.02 IDENTIFICATION NAMER A. Identification Labels: 1. Materials: Use size 2. Text: Use factors B. Format for Receptacle 1. Minimum Size: 3 2. Legend: Power size 3. Text: All capitalize
 a. Where conduits enter building from underground distribution system. Where conduits may fransport moisture to contract live parts. Where conduits ary fransport moisture to contract live parts. Where conduits ary fransport moisture to contract live parts. Where conduits pass from outdoors into conditioned interior spaces. Where conduits pass from nucconditioned interior spaces into conditioned interior spaces. Where conduits pass from nucconditioned interior spaces into conditioned interior spaces. Provide pull sting in each empty conduit and in conduits where conductors and cables are to be installed by others. Leave minimum stack of 12 inches at each end. SECTION 260533.15 BOXES FOR ELECTRICAL SYSTEMS PART 1 GENERAL 1.01 SUBMITTALS A. Product Data: Provide manufacturer's standard catalog pages and data sheets for underground boxes/enclosures. PART 2 PRODUCTS 2.01 BOXES A. General Requirements: Do not use boxes and associated accessories for applications other than as permitted by NFPA 70 and product listing. Provide all boxes, fittings, supports, and accessories required for a complete raceway system and to accommodate devices and equipment to be installed. 3. Provide grounding terminals within boxes where equipment grounding conductors terminate. B. Outlet and Device Boxes Up to 100 cubic inches, Including Those Used a Junction and Pull Boxes: Use satisfie covers by the to the standard overs. Use satisfie covers where thish-mounted in concrete. Use satisfie covers where thish-mounted in misonry walls. Use satisfie covers where thish-mounted in concrete. Use satisfie covers where thish-mounted in concrete. Use satisfie covers where thish-mounted in mount or required. Use satisfie coverse where thish-mounted in misonry walls. Use satis	 a. At each sour b. Within boxes c. Within equip D. Identification for Boxes 1. Use identification a. For exposed 2.02 IDENTIFICATION NAMER A. Identification Labels: 1. Materials: Use size 2. Text: Use factory B. Format for Receptacles 1. Minimum Size: 3 2. Legend: Power size 3. Text: All capitalize
 c. Where conduits enter building from underground. d. Where conduits any transport moisture to contact live parts. Where conduits prosts between areas of potential substantial temperature differential, use foam conduit sealant at accessible point near penetration to prevent condensation. This includes, but is not limited to: a. Where conduits pass from outdoors into conditioned interior spaces. Where conduits pass from outdoors into conditioned interior spaces into conditioned interior spaces. Provide pull string in each empty conduit and in conduits where conductors and cables are to be installed by others. Leave minimum stack of 12 inches at each end. SECTION 260533.16 DOXES FOR ELECTRICAL SYSTEMS PART 1 GENERAL 1.1 SUBMITTALS A. Product Data: Provide manufacturer's standard catalog pages and data sheets for underground boxes/enclosures. PART 2 PRODUCTS 2.01 BOXES A. General Requirements: Do not use boxes and associated accessories for applications other than as permitted by NFPA 70 and product listing. Provide grounding terminals within boxes where equipment for a complete raceway system and to accommodate devices and equipment to be installed, size to comply with NFPA 70 but not less than applicable minimum size requirements specified. Brovide grounding terminals within boxes where equipment grounding conductors terminate. B. Outlet and Device Boxes for dry locations unless otherwise indicated or required, furnish with moxes for drap or well locations unless otherwise indicated or required, furnish with conses or cast at immum boxes for drap or well locations unless otherwise indicated or required, furnish with conses or cast at immum boxes for drap or well locations unless otherwise indicated or required, furnish with boxes where equipment grou	c. Within equip D. Identification for Boxes 1. Use identification a. For exposed 2.02 IDENTIFICATION NAMER A. Identification Labels: 1. Materials: Use so 2. Text: Use factory B. Format for Receptacle 1. Minimum Size: 3 2. Legend: Power so 3. Text: All capitalize
 Where conduits cross barriers between areas of potential substantial temperature differential, use feam conduit sealant at accessible point near penetration to prevent condensation. This includes, but is not limited to: Where conduits pass from outdoors into conditioned interior spaces. Where conduits pass from unconditioned interior spaces into conditioned interior spaces. Provide pull string in each empty conduit and in conduits where conductors and cables are to be installed by others. Leave minimum stack of 12 Inches at each end. SECTION 260533.16 BOXES FOR ELECTRICAL SYSTEMS PART 1 GENERAL 101 SUBMITTALS A. Product Data: Provide manufacturer's standard catalog pages and data sheets for underground boxes/enclosures. PART 2 PRODUCTS 201 BOXES A. General Requirements: Do not use boxes and associated accessories for applications other than as permitted by NFPA 70 and product listing. Provide ground to installed, and labeled as suitable for the purpose intended. Where box size is not indicated, size to comply with NFPA 70 but not less than applicable minimum size requirements specified. Ute cast iron toxes for dustion suitable for the purpose intended. Where box size is not indicated, size to comply with NFPA 70 but not less than applicable minimum size requirements specified. Ute as there is there prove allowes for damp or well coations unless otherwise indicated or required; furnish with obxes where quipment grounding conductors terminate. Use suitable concrete type boxes where flush-mounted in concrete. Use suitable concrete type boxes where flush-mounted in concrete. Use suitable concrete type boxes where flush-mounted in concrete.	 Use identification a. For exposed 2.02 IDENTIFICATION NAMER A. Identification Labels: Materials: Use size Text: Use factory B. Format for Receptacle Minimum Size: 3 Legend: Power size Text: All capitalize
 at accessible point near penetration to prevent condensation. This includes, but is not limited to: a. Where conduits pass from unconditioned interior spaces. b. Where conduits pass from unconditioned interior spaces into conditioned interior spaces. Provide pull string in each empty conduit and in conduits where conductors and cables are to be installed by others. Leave minimum stack of 12 inches at each end. SECTION 260533.16 BOXES FOR ELECTRICAL SYSTEMS PART 1 GENERAL 1.01 SUBMITTALS A. Product Data: Provide manufacturer's standard catalog pages and data sheets for underground boxes/enclosures. PART 2 PRODUCTS 2.01 BOXES A. General Requirements: Do not use boxes and associated accessories for applications other than as permitted by NFPA 70 and product listing. Provide all boxes, fittings, supports, and accessories required for a complete raceway system and to accommodate devices and equipment to be installed. Provide products listed, classified, and labeled as suitable for the purpose inhended. Where box size is not indicated, size to comply with NFPA 70 but not less than applicable minimum size requirements specified. Dudiet and Device Boxes Up to 100 cubic inches, Including Those Used as Junction and Pull Boxes: Use suitable concrete type boxes where flush-mounted in concrete. Use suitable concrete type boxes where flush-mounted in concrete. Use suitable concrete type boxes where flush-mounted in concrete. Use suitable concrete type boxes where flush-mounted in concrete. Use suitable concrete type boxes where flush-mounted in concrete. Use suitable concrete type boxes where flush-mounted in concrete. Use suitable concrete type boxes where flush-mounted in acompting with UL 514A. Cast Metal Boxes: Comply with NEMA FB 1, and list and label as complying with UL 514A; f	 a. For exposed 2.02 IDENTIFICATION NAMER A. Identification Labels: Materials: Use size Text: Use factory B. Format for Receptacles Minimum Size: 3 Legend: Power size Text: All capitalize
 b. Where conduits pass from unconditioned interior spaces into conditioned interior spaces. Provide pull string in each empty conduit and in conduits where conductors and cables are to be installed by others. Leave minimum stack of 12 inches at each end. SECTION 260533.16 BOXES FOR ELECTRICAL SYSTEMS PART 1 GENERAL 1.01 SUBMITTALS A. Product Data: Provide manufacturer's standard catalog pages and data sheets for underground boxes/enclosures. PART 2 PRODUCTS 2.01 BOXES A. General Requirements: Do not use boxes and associated accessories for applications other than as permitted by NFPA 70 and product listing. Provide all boxes, fittings, supports, and accessories required for a complete raceway system and to accommodate devices and equipment to be installed. Provide all boxes, fittings, supports, and accessories required for a complete raceway system and to accommodate devices and equipment to be installed. Provide products listic, classified, and labeled as suitable for the purpose intended. Where box size is not indicated, size to comply with NFPA 70 but not less than applicable minimum size requirements specified. Drovide grounding terminals within boxes where equipment grounding conductors terminate. Dutlet and Device Boxes Up to 100 cubic inches, Including Those Used as Junction and Pull Boxes: Use suitable concrete type boxes where flush-mounted in concrete. Use suitable concrete type boxes where flush-mounted in concrete. Use suitable concrete type boxes where flush-mounted in concrete. Use suitable onset they boxes where flush-mounted in concrete. Use suitable concrete type boxes where flush-mounted in concrete. Use suitable concrete type boxes where flush-mounted in concrete. Use suitable concrete type boxes where flush-mounted in asonry walls. Use suitable boxes: Comply with NEMA OS 1, and l	 A. Identification Labels: 1. Materials: Use so 2. Text: Use factory B. Format for Receptacle 1. Minimum Size: 3 2. Legend: Power so 3. Text: All capitaliz
 minimum stack of 12 inches at each end. SECTION 260533.16 BOXES FOR ELECTRICAL SYSTEMS PART 1 GENERAL A. Product Data: Provide manufacturer's standard catalog pages and data sheets for underground boxes/enclosures. PART 2 PRODUCTS A. General Requirements: B. Or use boxes and associated accessories for applications other than as permitted by NFPA 70 and product listing. Provide all boxes, fittings, supports, and accessories required for a complete raceway system and to accommodate devices and equipment to be installed. Provide products listed, classified, and labeled as suitable for the purpose intended. Where box size is not indicated, size to comply with NFPA 70 but not less than applicable minimum size requirements specified. Provide grounding terminals within boxes where equipment grounding conductors terminate. Motifet and Device Boxes Up to 100 cubic inches, Including Those Used as Junction and Pull Boxes: Use set is beet-steel boxes for dy locations unless otherwise indicated or required. Use suitable concerte type boxes where flush-mounted in concrete. Use suitable masorny type boxes where flush-mounted in and device configuration where required. Use suitable masorny type boxes where flush-mounted in and device configuration where required. Use shallow boxes where required by the type of wall construction and device configuration where required. Use shallow boxes where required by the type of wall construction and device configuration where required. Sheet-Steel Boxes: Comply with NEMA CB 1, and list and label as complying with UL 514A; furnish with threaded hoxes. Boxes for Ganged Devices: Use multigang boxes of single-piece construction. Do not use field-connected gangable boxes unless openitical to required. Minimum Box Size, Unless Otherwise indicated. 	 Materials: Use s Text: Use factory B. Format for Receptacle Minimum Size: 3 Legend: Power s Text: All capitaliz
BOXES FOR ELECTRICAL SYSTEMS PART 1 GENERAL 1.01 SUBMITTALS A. Product Data: Provide manufacturer's standard catalog pages and data sheets for underground boxes/enclosures. PAT 2 PRODUCTS 2.01 BOXES A. General Requirements: 1. Do not use boxes and associated accessories for applications other than as permitted by NFPA 70 and product listing. 2. Provide all boxes, fittings, supports, and accessories required for a complete raceway system and to accommodate devices and equipment to be installed. 3. Provide products listed, classified, and labeled as suitable for the purpose intended. 4. Where box size is not indicated, size to comply with NFPA 70 but not less than applicable minimum size requirements specified. 5. Provide grounding terminals within boxes where equipment grounding conductors terminate. 8. Outlet and Device Boxes Up to 100 cubic inches, including Those Used as Junction and Pull Boxes: 1. Use sheet-steel boxes for dry locations unless otherwise indicated or required. 2. Use cast iron boxes or cast aluminum boxes for damp or wet locations unless otherwise indicated or required. 3. Use suitable concrete type boxes where flush-mounted in masony walls. 4. Use suitable masony type boxes where flush-mounted in masony walls. 5. Use raised covers comply with NEMA OS 1, and list and label as complying with UL 514A; furnish with threaded hows. 1. Do no use "Through-wall" boxes d	B. Format for Receptacle 1. Minimum Size: 3 2. Legend: Power s 3. Text: All capitaliz
BART 1 GENERAL A. Product Data: Provide manufacturer's standard catalog pages and data sheets for underground boxes/enclosures. PAT 2 PRODUCTS B. General Requirements: 1. Do not use boxes and associated accessories for applications other than as permitted by NFPA 70 and product listing. 2. Provide all boxes, fittings, supports, and accessories required for a complete raceway system and to accommodate devices and equipment to be installed. 3. Provide products listed, classified, and labeled as suitable for the purpose intended. 4. Where box size is not indicated, size to comply with NFPA 70 but not less than applicable minimum size requirements specified. 5. Provide grounding terminals within boxes where equipment grounding conductors terminate. 6. Outlet and Device Boxes Up to 100 cubic inches, Including Those Used as Junction and Pull Boxes: 1. Use sheet-steel boxes for dry locations unless otherwise indicated or required. 2. Use suitable concrete type boxes where flush-mounted in concrete. 3. Use suitable concrete type boxes where flush-mounted in masony walls. 5. Use raised covers suitable for the type of wall construction. 9. Do to use "through-wall" boxes designed for access from both sides of wall. 8. Sheet-Steel Boxes: Comply with NEMA OS 1, and list and label as complying with UL 514A; furnish with threaded hoxes. 9. Do to use "through-wall" boxes: Use multigang boxes of single-piece construction. Do not use field-connected gangable boxes	1.Minimum Size: 32.Legend: Powers3.Text: All capitaliz
 1.01 SUBMITTALS A. Product Data: Provide manufacturer's standard catalog pages and data sheets for underground boxes/enclosures. PART 2 PRODUCTS 2.01 BOXES A. General Requirements: Do not use boxes and associated accessories for applications other than as permitted by NFPA 70 and product listing. Provide all boxes, fittings, supports, and accessories required for a complete raceway system and to accommodate devices and equipment to be installed. Provide products listed, classified, and labeled as suitable for the purpose intended. Where box size is not indicated, size to comply with NFPA 70 but not less than applicable minimum size requirements specified. Provide grounding terminals within boxes where equipment grounding conductors terminate. B. Outlet and Device Boxes Up to 100 cubic inches, Including Those Used as Junction and Pull Boxes: Use sheet-steel boxes for dry locations unless otherwise indicated or required. Use suitable mosters or ast aluminum boxes for damp or wet locations unless otherwise indicated or required; furnish with compatible weatherproof gasketed covers. Use suitable masonry type boxes where flush-mounted in naconry walls. Use suitable masonry type boxes where flush-mounted in masonry walls. Use suitable masonry type boxes where flush-mounted in masonry walls. Use suitable mosters. Comply with NEMA OS 1, and list and label as complying with UL 514A; furnish with threaded hubs. Boxes for Ganged Devices: Use multigang boxes of single-piece construction. Do not use field-connected gangable boxes unless pecifically indicated or permitted. 	3. Text: All capitaliz
 A. Product Data: Provide manufacturer's standard catalog pages and data sheets for underground boxes/enclosures. PART 2 PRODUCTS 2.01 BOXES A. General Requirements: Do not use boxes and associated accessories for applications other than as permitted by NFPA 70 and product listing. Provide all boxes, fittings, supports, and accessories required for a complete raceway system and to accommodate devices and equipment to be installed. Provide products listed, classified, and labeled as suitable for the purpose intended. Where box size is not indicated, size to comply with NFPA 70 but not less than applicable minimum size requirements specified. Drutlet and Device Boxes Up to 100 cubic inches, Including Those Used as Junction and Pull Boxes: Use sheet-steel boxes for dry locations unless otherwise indicated or required. Use statele concrete type boxes where flush-mounted in concrete. Use suitable masonry type boxes where flush-mounted in masonry walls. Use sheal boxes where required but he type of wall construction. Do not use "through-wall" boxes designed for access from both sides of wall. Sheet-Steel Boxes: Comply with NEMA OS 1, and list and label as complying with UL 514A. Boxes for Ganged Devices: Use multigang boxes of single-piece construction. Do not use field-connected gangable boxes of case for approximated label as complying with UL 514A; furnish with threaded hubs. 	
 A. General Requirements: Do not use boxes and associated accessories for applications other than as permitted by NFPA 70 and product listing. Provide all boxes, fittings, supports, and accessories required for a complete raceway system and to accommodate devices and equipment to be installed. Provide products listed, classified, and labeled as suitable for the purpose intended. Where box size is not indicated, size to comply with NFPA 70 but not less than applicable minimum size requirements specified. Provide grounding terminals within boxes where equipment grounding conductors terminate. B. Outlet and Device Boxes Up to 100 cubic inches, Including Those Used as Junction and Pull Boxes: Use sheet-steel boxes for dry locations unless otherwise indicated or required. Use cast iron boxes or cast aluminum boxes for damp or wet locations unless otherwise indicated or required; furnish with compatible weatherproof gasketed covers. Use suitable concrete type boxes where flush-mounted in concrete. Use suitable masonry type boxes where flush-mounted in masonry walls. Use suitable mouter required by the type of wall construction. Do not use "through-wall" boxes designed for access from both sides of wall. Sheet-Steel Boxes: Comply with NEMA OS 1, and list and label as complying with UL 514A; furnish with threaded hubs. Boxes for Ganged Devices: Use multigang boxes of single-piece construction. Do not use field-connected gangable boxes unless otherwise Indicated or permitted. 	5. Color: Black text
 A. General Requirements: Do not use boxes and associated accessories for applications other than as permitted by NFPA 70 and product listing. Provide all boxes, fittings, supports, and accessories required for a complete raceway system and to accommodate devices and equipment to be installed. Provide products listed, classified, and labeled as suitable for the purpose intended. Where box size is not indicated, size to comply with NFPA 70 but not less than applicable minimum size requirements specified. Provide grounding terminals within boxes where equipment grounding conductors terminate. B. Outlet and Device Boxes Up to 100 cubic inches, Including Those Used as Junction and Pull Boxes: Use sheet-steel boxes for dry locations unless otherwise indicated or required. Use cast iron boxes or cast aluminum boxes for damp or wet locations unless otherwise indicated or required; furnish with compatible weatherproof gasketed covers. Use suitable concrete type boxes where flush-mounted in concrete. Use suitable masonry type boxes where flush-mounted in masonry walls. Use raised covers suitable for the type of wall construction. Do not use "through-wall" boxes designed for access from both sides of wall. Sheet-Steel Boxes: Comply with NEMA OS 1, and list and label as complying with UL 514A. Cast Metal Boxes: Comply with NEMA FB 1, and list and label as complying with UL 514A; furnish with threaded hubs. Boxes for Ganged Devices: Use multigang boxes of single-piece construction. Do not use field-connected gangable boxes unless of single-piece construction. Do not use field-connected gangable boxes unless of premitted. 	2.03 UNDERGROUND WARNI A. Materials: Use non-de
 Do not use boxes and associated accessories for applications other than as permitted by NFPA 70 and product listing. Provide all boxes, fittings, supports, and accessories required for a complete raceway system and to accommodate devices and equipment to be installed. Provide products listed, classified, and labeled as suitable for the purpose intended. Where box size is not indicated, size to comply with NFPA 70 but not less than applicable minimum size requirements specified. Provide grounding terminals within boxes where equipment grounding conductors terminate. Outlet and Device Boxes Up to 100 cubic inches, Including Those Used as Junction and Pull Boxes: Use sheet-steel boxes for dry locations unless otherwise indicated or required. Use cast iron boxes or cast aluminum boxes for damp or wet locations unless otherwise indicated or required; furnish with compatible weatherproof gasketed covers. Use suitable concrete type boxes where flush-mounted in concrete. Use suitable masonry type boxes where flush-mounted in masonry walls. Use shallow boxes where required by the type of wall construction. Do not use "through-wall" boxes designed for access from both sides of wall. Sheet-Steel Boxes: Comply with NEMA OS 1, and list and label as complying with UL 514A; furnish with threaded hubs. Boxes for Ganged Devices: Use multigang boxes of single-piece construction. Do not use field-connected gangable boxes unless specifically indicated or permitted. Minimum Box Size, Unless Otherwise Indicated: 	B. Non-detectable Type
 devices and equipment to be installed. Provide products listed, classified, and labeled as suitable for the purpose intended. Where box size is not indicated, size to comply with NFPA 70 but not less than applicable minimum size requirements specified. Provide grounding terminals within boxes where equipment grounding conductors terminate. Outlet and Device Boxes Up to 100 cubic inches, Including Those Used as Junction and Pull Boxes: Use sheet-steel boxes for dry locations unless otherwise indicated or required. Use sheet-steel boxes or cast aluminum boxes for damp or wet locations unless otherwise indicated or required; furnish with compatible weatherproof gasketed covers. Use suitable concrete type boxes where flush-mounted in concrete. Use suitable masonry type boxes where flush-mounted in masonry walls. Use raised covers suitable for the type of wall construction and device configuration where required. Sheet-Steel Boxes: Comply with NEMA OS 1, and list and label as complying with UL 514A; furnish with threaded hubs. Boxes for Ganged Devices: Use multigang boxes of single-piece construction. Do not use field-connected gangable boxes unless otherwise Indicated or permitted. Minimum Box Size, Unless Otherwise Indicated: 	C. Legend: Type of servi
 Where box size is not indicated, size to comply with NFPA 70 but not less than applicable minimum size requirements specified. Provide grounding terminals within boxes where equipment grounding conductors terminate. Outlet and Device Boxes Up to 100 cubic inches, Including Those Used as Junction and Pull Boxes: Use sheet-steel boxes for dry locations unless otherwise indicated or required. Use cast iron boxes or cast aluminum boxes for damp or wet locations unless otherwise indicated or required; furnish with compatible weatherproof gasketed covers. Use suitable concrete type boxes where flush-mounted in concrete. Use suitable covers suitable for the type of wall construction and device configuration where required. Use shallow boxes where required by the type of wall construction. Don ot use "through-wall" boxes designed for access from both sides of wall. Sheet-Steel Boxes: Comply with NEMA OS 1, and list and label as complying with UL 514A; furnish with threaded hubs. Boxes for Ganged Devices: Use multigang boxes of single-piece construction. Do not use field-connected gangable boxes unless specifically indicated or permitted. Minimum Box Size, Unless Otherwise Indicated: 	D. Color: 1. Tape for Buried F
 Provide grounding terminals within boxes where equipment grounding conductors terminate. Outlet and Device Boxes Up to 100 cubic inches, Including Those Used as Junction and Pull Boxes: Use sheet-steel boxes for dry locations unless otherwise indicated or required. Use cast iron boxes or cast aluminum boxes for damp or wet locations unless otherwise indicated or required; furnish with compatible weatherproof gasketed covers. Use suitable concrete type boxes where flush-mounted in concrete. Use suitable masonry type boxes where flush-mounted in masonry walls. Use raised covers suitable for the type of wall construction and device configuration where required. Use shallow boxes where required by the type of wall construction. Do not use "through-wall" boxes designed for access from both sides of wall. Sheet-Steel Boxes: Comply with NEMA OS 1, and list and label as complying with UL 514A. Cast Metal Boxes: Comply with NEMA FB 1, and list and label as complying with UL 514A; furnish with threaded hubs. Boxes for Ganged Devices: Use multigang boxes of single-piece construction. Do not use field-connected gangable boxes unless specifically indicated or permitted. Minimum Box Size, Unless Otherwise Indicated: 	PART 3 EXECUTION
 B. Outlet and Device Boxes Up to 100 cubic inches, Including Those Used as Junction and Pull Boxes: Use sheet-steel boxes for dry locations unless otherwise indicated or required. Use cast iron boxes or cast aluminum boxes for damp or wet locations unless otherwise indicated or required; furnish with compatible weatherproof gasketed covers. Use suitable concrete type boxes where flush-mounted in concrete. Use suitable masonry type boxes where flush-mounted in masonry walls. Use raised covers suitable for the type of wall construction and device configuration where required. Use shallow boxes where required by the type of wall construction. Do not use "through-wall" boxes designed for access from both sides of wall. Sheet-Steel Boxes: Comply with NEMA OS 1, and list and label as complying with UL 514A, furnish with threaded hubs. Boxes for Ganged Devices: Use multigang boxes of single-piece construction. Do not use field-connected gangable boxes unless specifically indicated or permitted. Minimum Box Size, Unless Otherwise Indicated: 	3.01 INSTALLATION A. Install products in acco
 Use cast iron boxes or cast aluminum boxes for damp or wet locations unless otherwise indicated or required; furnish with compatible weatherproof gasketed covers. Use suitable concrete type boxes where flush-mounted in concrete. Use suitable masonry type boxes where flush-mounted in masonry walls. Use raised covers suitable for the type of wall construction and device configuration where required. Use shallow boxes where required by the type of wall construction. Do not use "through-wall" boxes designed for access from both sides of wall. Sheet-Steel Boxes: Comply with NEMA OS 1, and list and label as complying with UL 514A. Cast Metal Boxes: Comply with NEMA FB 1, and list and label as complying with UL 514A; furnish with threaded hubs. Boxes for Ganged Devices: Use multigang boxes of single-piece construction. Do not use field-connected gangable boxes unless specifically indicated or permitted. Minimum Box Size, Unless Otherwise Indicated: 	B. Install underground wa
 with compatible weatherproof gasketed covers. Use suitable concrete type boxes where flush-mounted in concrete. Use suitable masonry type boxes where flush-mounted in masonry walls. Use raised covers suitable for the type of wall construction and device configuration where required. Use shallow boxes where required by the type of wall construction. Do not use "through-wall" boxes designed for access from both sides of wall. Sheet-Steel Boxes: Comply with NEMA OS 1, and list and label as complying with UL 514A. Cast Metal Boxes: Comply with NEMA FB 1, and list and label as complying with UL 514A; furnish with threaded hubs. Boxes for Ganged Devices: Use multigang boxes of single-piece construction. Do not use field-connected gangable boxes unless specifically indicated or permitted. Minimum Box Size, Unless Otherwise Indicated: 	-
 Use suitable masonry type boxes where flush-mounted in masonry walls. Use raised covers suitable for the type of wall construction and device configuration where required. Use shallow boxes where required by the type of wall construction. Do not use "through-wall" boxes designed for access from both sides of wall. Sheet-Steel Boxes: Comply with NEMA OS 1, and list and label as complying with UL 514A. Cast Metal Boxes: Comply with NEMA FB 1, and list and label as complying with UL 514A; furnish with threaded hubs. Boxes for Ganged Devices: Use multigang boxes of single-piece construction. Do not use field-connected gangable boxes unless specifically indicated or permitted. Minimum Box Size, Unless Otherwise Indicated: 	
 Use shallow boxes where required by the type of wall construction. Do not use "through-wall" boxes designed for access from both sides of wall. Sheet-Steel Boxes: Comply with NEMA OS 1, and list and label as complying with UL 514A. Cast Metal Boxes: Comply with NEMA FB 1, and list and label as complying with UL 514A; furnish with threaded hubs. Boxes for Ganged Devices: Use multigang boxes of single-piece construction. Do not use field-connected gangable boxes unless specifically indicated or permitted. Minimum Box Size, Unless Otherwise Indicated: 	PART 1 GENERAL
 Sheet-Steel Boxes: Comply with NEMA OS 1, and list and label as complying with UL 514A. Cast Metal Boxes: Comply with NEMA FB 1, and list and label as complying with UL 514A; furnish with threaded hubs. Boxes for Ganged Devices: Use multigang boxes of single-piece construction. Do not use field-connected gangable boxes unless specifically indicated or permitted. Minimum Box Size, Unless Otherwise Indicated: 	1.01 SUBMITTALS
 hubs. 10. Boxes for Ganged Devices: Use multigang boxes of single-piece construction. Do not use field-connected gangable boxes unless specifically indicated or permitted. 11. Minimum Box Size, Unless Otherwise Indicated: 	 A. Product Data: Include requirements, and inst
 Boxes for Ganged Devices: Use multigang boxes of single-piece construction. Do not use field-connected gangable boxes unless specifically indicated or permitted. Minimum Box Size, Unless Otherwise Indicated: 	PART 2 PRODUCTS
11. Minimum Box Size, Unless Otherwise Indicated:	2.01 LIGHTING CONTROL DE A. Provide products listed
	B. Unless specifically ind
 Wiring Devices (Other Than Communications Systems Outlets): 4 inch square by 1-1/2 inch deep (100 by 38 mm) trade size. 	accessories, etc. as re 2.02 TIME SWITCHES
C. Cabinets and Enclosures, Including Junction and Pull Boxes Larger Than 100 cubic inches:	A. Digital Electronic Time
 Comply with NEMA 250, and list and label as complying with UL 50 and UL 50E, or UL 508A. Junction and Pull Boxes Larger Than 100 cubic inches: 	1. Description: Fac with UL 916 or U
 a. Provide screw-cover or hinged-cover enclosures unless otherwise indicated. D. Underground Boxes/Enclosures: 	2. Program Capabil a. Astronomic
1. Description: In-ground, open bottom boxes furnished with flush, non-skid covers with legend indicating type of service	a. Astronomic holiday sche feature to au
and stainless steel tamper resistant cover bolts.2. Size: As indicated on drawings.	3. Schedule Capaci
 Depth: As required to extend below frost line to prevent frost upheaval, but not less than 12 inches. Provide logo on cover to indicate type of service. 	Provide power ou
5. Applications: a. Sidewalks and Landscaped Areas Subject Only to Occasional Nondeliberate Vehicular Traffic: Use polymer	5. Manual override:
concrete enclosures, with minimum SCTE 77 Tier 8 load rating.	 Manual override: Provide remote p
	 Manual override: Provide remote p
	 Manual override: Provide remote p Input Supply Volt

e polymer concrete enclosures in areas subject to deliberate vehicular traffic. rete Underground Boxes/Enclosures: Comply with SCTE 77.

ccordance with manufacturer's instructions.

prdance with NECA 1 (general workmanship) and, where applicable, NECA 130, including mounting those standards where mounting heights are not indicated. to provide minimum clearances in accordance with manufacturer's instructions and NFPA 70.

pport boxes in accordance with NFPA 70 using suitable supports and methods approved by the

ng jurisdiction.

endent support from building structure except for cast metal boxes (other than boxes used for fixture orted by threaded conduit connections in accordance with NFPA 70. Do not provide support from piping, ther systems.

uired to preserve insulation integrity.

/Enclosures:

re on gravel base, minimum 6 inches deep. al bracing inside enclosures in accordance with manufacturer's instructions to minimize box sidewall ring backfilling. Backfill with cover bolted in place.

arrier between ganged wiring devices when voltage between adjacent devices exceeds 300 V.

o preserve fire resistance rating of partitions and other elements, using materials and methods specified

SECTION 260553 IDENTIFICATION FOR ELECTRICAL SYSTEMS

ide manufacturer's standard catalog pages and data sheets for each product.

UIREMENTS

ess specifically excluded, identify existing elements to remain whose designations are changed as part

on label to identify each piece of electrical distribution and control equipment and associated sections, , and components.

- tify power source and circuit number. Include location when not within sight of equipment.
- typewritten circuit directory to identify load(s) served for panelboards with a door. power panelboards without a door, use identification label to identify load(s) served for each branch

tify load(s) served and associated circuits controlled. Include location.

- nductors and Cables:
- for Power Conductors 600 V and Less: Comply with Section 260519.
- on label to identify color code for ungrounded and grounded power conductors inside door or enclosure of feeder or branch-circuit distribution equipment.
- able markers to identify circuit number or other designation indicated for power, control, and n conductors and cables at the following locations:
- ource and load connection.
- xes. uipment enclosures.

kes:

- ion labels or handwritten text using indelible marker to identify circuits enclosed.
- sed boxes in public areas, provide identification on inside face of cover.

EPLATES AND LABELS

- e self-adhesive laminated plastic labels; UV, chemical, water, heat, and abrasion resistant. ory pre-printed or machine-printed text. Do not use handwritten text unless otherwise indicated.
- cle Identification:
- 3/8 inch by 1.5 inches. er source and circuit number or other designation indicated.
- lized unless otherwise indicated.
- Height: 3/16 inch.
- ext on clear background.

NING TAPE

- -detectable type polyethylene tape suitable for direct burial, unless otherwise indicated. e Tape: 6 inches wide, with minimum thickness of 4 mil.
- rvice, continuously repeated over full length of tape.

d Power Lines: Black text on red background.

ccordance with manufacturer's instructions.

warning tape above buried lines with one tape per trench at 12 inch(es) below finished grade.

SECTION 260923 LIGHTING CONTROL DEVICES

de ratings, configurations, standard wiring diagrams, dimensions, colors, service condition nstalled features.

DEVICES - GENERAL REQUIREMENTS

- ted, classified, and labeled as suitable for the purpose intended. ndicated to be excluded, provide all required conduit, wiring, connectors, hardware, components,
- required for a complete operating system.

ne Switches:

- actory-assembled solid state programmable controller with LCD display, listed and labeled as complying [•] UL 917.
- bility: ic Time Switches: Four channel, capable of different schedule for each day of the week with additional hedule available to override normal schedule for selected days and field-configurable astronomic automatically adjust for seasonal changes in sunrise and sunset times.
- acity: Not less than 16 programmable on/off operations.
- outage backup to retain programming and maintain clock.
- de: Capable of overriding current schedule both permanently and temporarily until next scheduled event. e photocell input.
- oltage: As indicated on the drawings.
- Configuration: As required to control the load indicated on drawings.

- Output Switch Contact Ratings: As required to control the load indicated on drawings. 2.03 OUTDOOR PHOTO CONTROLS
- A. Stem-Mounted Outdoor Photo Controls:
 - Description: Direct-wired photo control unit with threaded conduit mounting stem and field-adjustable swivel base,
 - listed and labeled as complying with UL 773A. Housing: Weatherproof, impact resistant polycarbonate.
- Photo Sensor: Cadmium sulfide.
- Provide external sliding shield for field adjustment of light level activation.
- Light Level Activation: 1 to 5 footcandles turn-on and 3 to 1 turn-off to turn-on ratio with delayed turn-off. Voltage: As required to control the load indicated on the drawings.
- 7. Load Rating: As required to control the load indicated on the drawings.

PART 3 EXECUTION

- 3.01 INSTALLATION
 - Install lighting control devices in accordance with NECA 1 (general workmanship) and, where applicable, NECA 130, Α. including mounting heights specified in those standards unless otherwise indicated.
 - B. Coordinate locations of outlet boxes as required for installation of lighting control devices provided under this section.
 - C. Install lighting control devices in accordance with manufacturer's instructions.
 - D. Unless otherwise indicated, connect lighting control device grounding terminal or conductor to branch circuit equipment grounding conductor and to outlet box with bonding jumper.
 - E. Where required and not furnished with lighting control device, provide wall plate in accordance with Section 262726. F. Outdoor Photo Control Locations:
 - 1. Where possible, locate outdoor photo controls with photo sensor facing north. If north facing photo sensor is not possible, install with photo sensor facing east, west, or down. 2. Locate outdoor photo controls so that photo sensors do not face artificial light sources, including light sources
 - controlled by the photo control itself.
 - G. Install outdoor photo controls so that connections are weatherproof. Do not install photo controls with conduit stem facing up in order to prevent infiltration of water into the photo control.

SECTION 265600 EXTERIOR LIGHTING

PART 1 GENERAL

- 1.01 SUBMITTALS
- A. Shop Drawings:
- 1. Provide photometric calculations where luminaires are proposed for substitution. B. Product Data: Provide manufacturer's standard catalog pages and data sheets including detailed information on luminaire construction, dimensions, ratings, finishes, mounting requirements, listings, service conditions, photometric performance, weight, effective projected area (EPA), and installed accessories; include model number nomenclature clearly marked with
- all proposed features.
- 1. LED Luminaires: a. Include estimated useful life, calculated based on IES LM-80 test data.

PART 2 PRODUCTS

2.01 LUMINAIRE TYPES

A. Furnish products as indicated in luminaire schedule included on the drawings. 2.02 LUMINAIRES

- A. Provide products that comply with requirements of NFPA 70.
- B. Provide products that are listed and labeled as complying with UL 1598, where applicable.
- C. Provide products listed, classified, and labeled as suitable for the purpose intended.
- D. Unless otherwise indicated, provide complete luminaires including lamp(s) and all sockets, ballasts, reflectors, lenses,
- housings and other components required to position, energize and protect the lamp and distribute the light.
- E. Unless specifically indicated to be excluded, provide all required conduit, boxes, wiring, connectors, hardware, poles, foundations, supports, trims, accessories, etc. as necessary for a complete operating system.
- fading, discoloring, etc.

accessories to be installed.

2. Material: Steel, unless otherwise indicated.

3. Shape: Square straight, unless otherwise indicated.

B. Install products in accordance with manufacturer's instructions.

C. Install luminaires in accordance with NECA/IESNA 501.

4. Finish: Match luminaire finish, unless otherwise indicated.

- G. LED Luminaires:
- Components: UL 8750 recognized or listed as applicable.
- Tested in accordance with IES LM-79 and IES LM-80. LED Estimated Useful Life: Minimum of 50,000 hours at 70 percent lumen maintenance, calculated based on IES LM-80 test data.
- 2.03 BALLASTS AND DRIVERS
- A. Dimmable LED Drivers:
 - Dimming Range: Continuous dimming from 100 percent to five percent relative light output unless dimming capability to lower level is indicated, without flicker.
- 2. Control Compatibility: Fully compatible with the dimming controls to be installed. 2.04 POLES

A. All Poles:

1

PART 3 EXECUTION

3.01 INSTALLATION

under this section.

E. Pole-Mounted Luminaires:

2. Grounding:

1. Foundation-Mounted Poles:

Install foundations plumb.

grounding conductor.

F. Provide products suitable to withstand normal handling, installation, and service without any damage, distortion, corrosion,

Provide poles and associated support components suitable for the luminaire(s) and associated supports and

Mounting: Install on concrete foundation, height as indicated on the drawings, unless otherwise indicated.

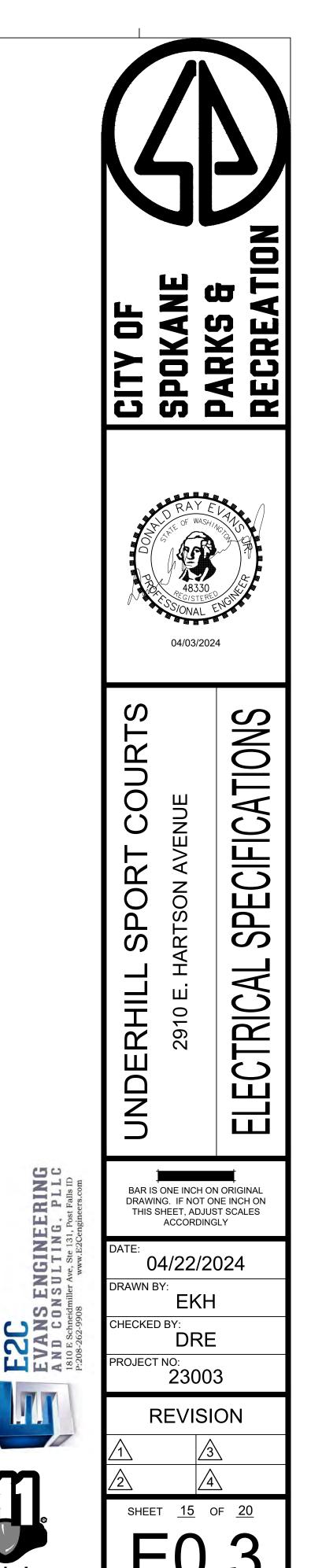
A. Coordinate locations of outlet boxes provided under Section 260533.16 as required for installation of luminaires provided

D. Install luminaires plumb and square and aligned with building/site lines and with adjacent luminaires.

b. Install poles plumb, using leveling nuts or shims as required to adjust to plumb.

a. Bond luminaires, metal accessories, metal poles, and foundation reinforcement to branch circuit equipment

F. Bond products and metal accessories to branch circuit equipment grounding conductor.



ELECTRICAL SPECS

50

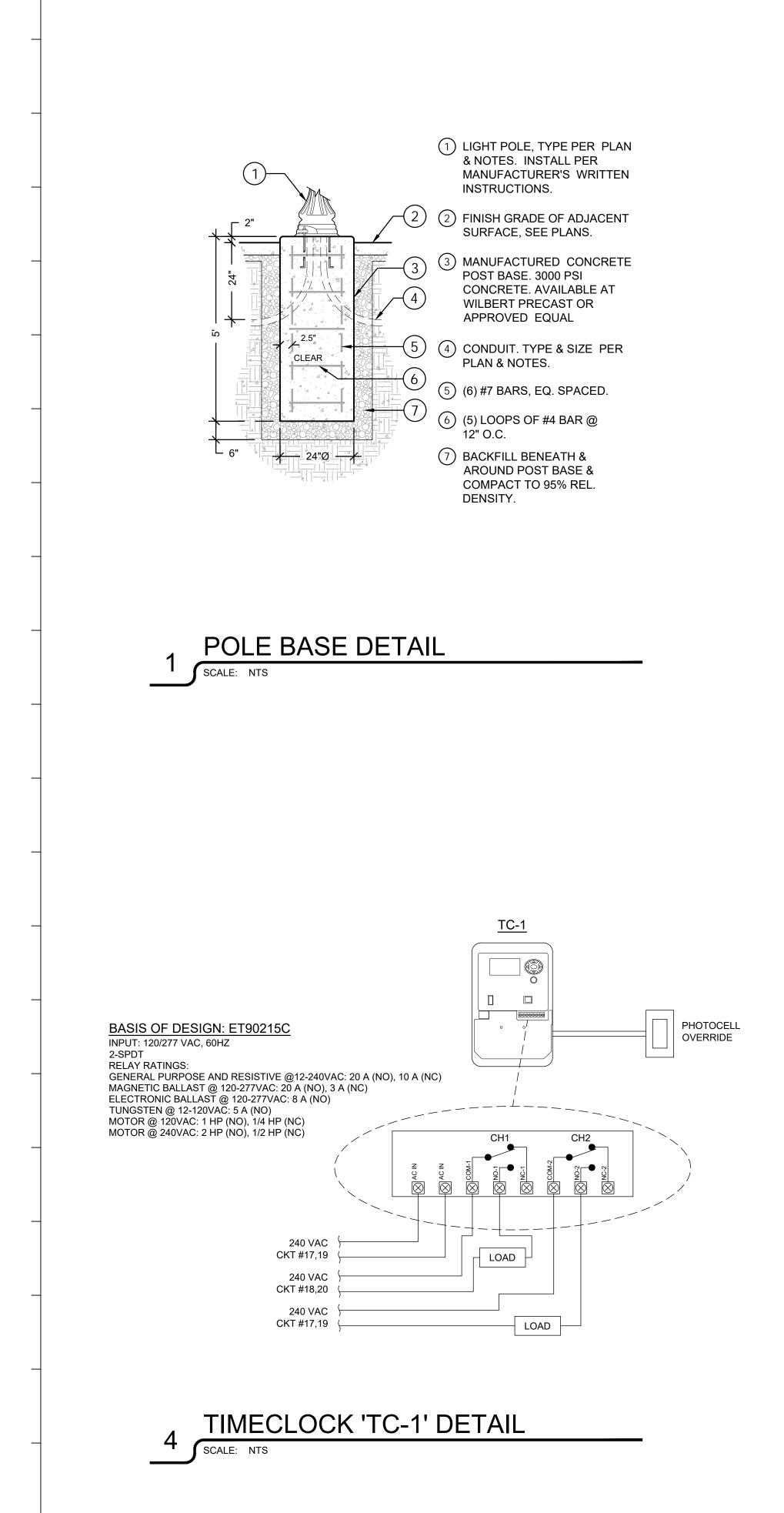
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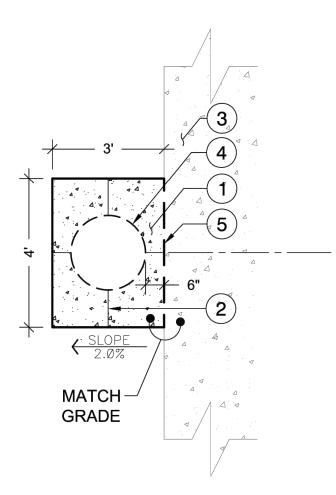
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- (1) CIP CONCRETE SLAB. 4" THICK OVER 2" CSTC. 3000 PSI (MIN) **AIR-ENTRAINED, 6 SACK** COMMERCIAL CONCRETE. MEDIUM **BROOM FINISH.**
- TOOLED JOINT, ¹/₂" RADIUS, 1" DEPTH, TYP.
- (3) EX. COURT SLAB TO REMAIN. PROTECT IN PLACE.
- (4) LIGHT POLE BASE, SEE DETAIL.
- 5 EXPANSION JOINT. 3/8" PREMOLDED JOINT FILLER.

NOTES:

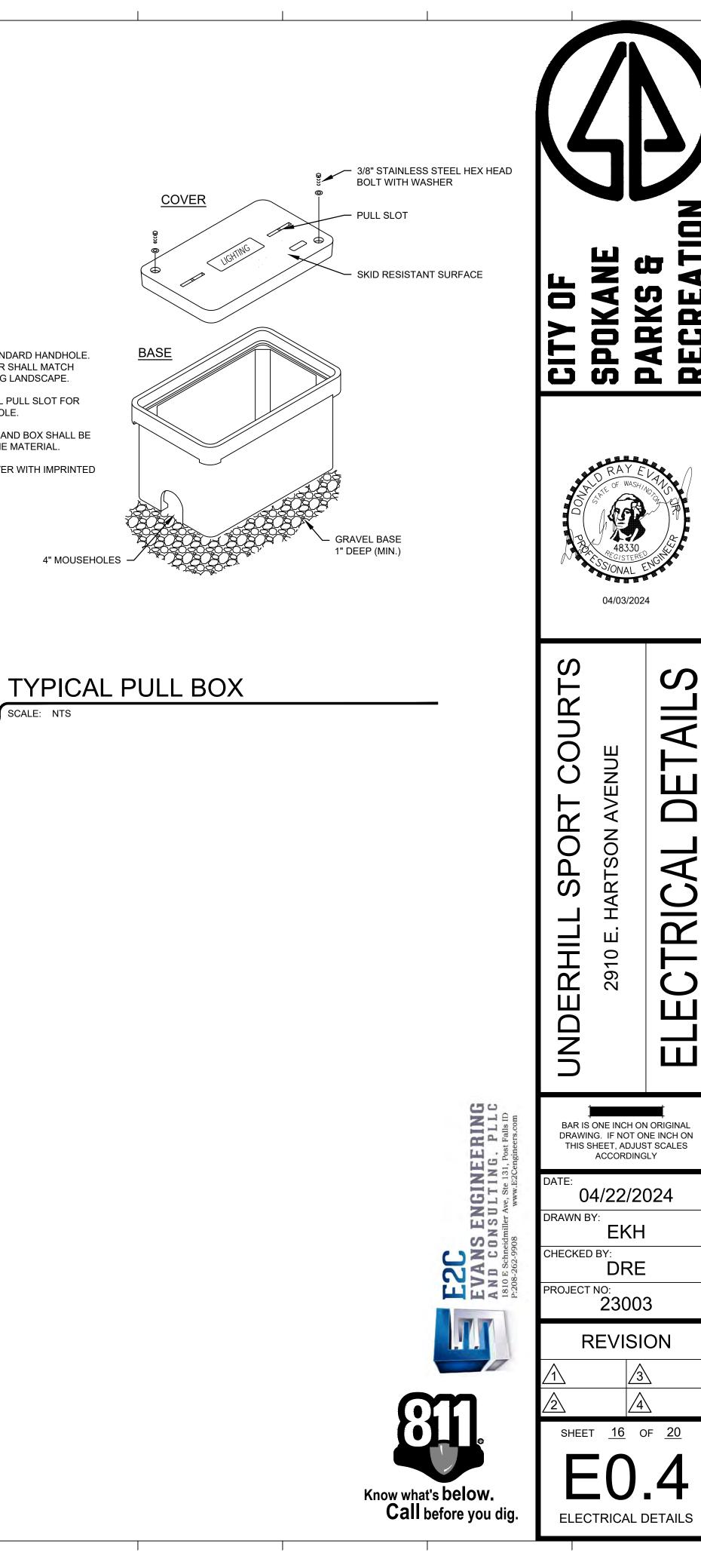
- 1. PROVIDE STANDARD HANDHOLE. COVER COLOR SHALL MATCH SURROUNDING LANDSCAPE.
- 2. PROVIDE BELL PULL SLOT FOR EACH HANDHOLE.
- 3. COVER, RING AND BOX SHALL BE MADE OF SAME MATERIAL.
- 4. PROVIDE COVER WITH IMPRINTED LABEL.

4" MOUSEHOLES

<u>DETAIL NOTE</u> WHERE POLE BASES ARE ADJACENT TO PAVED SURFACES, A HOUSEKEEPING PAD SHALL BE INSTALLED.



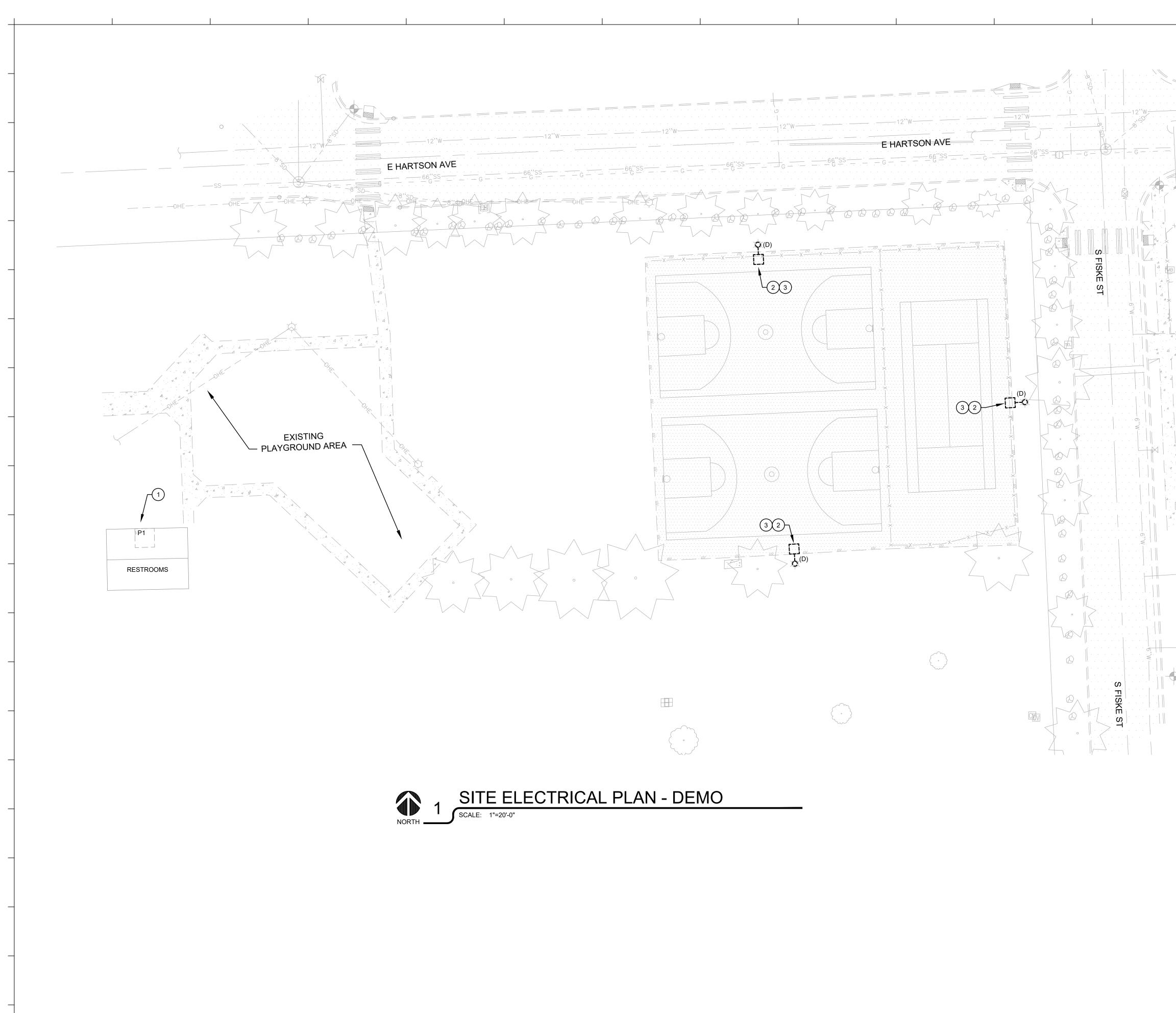




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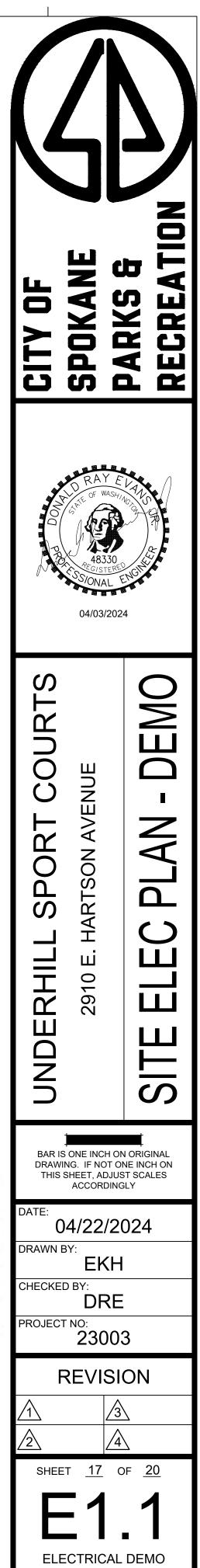
GENERAL NOTES

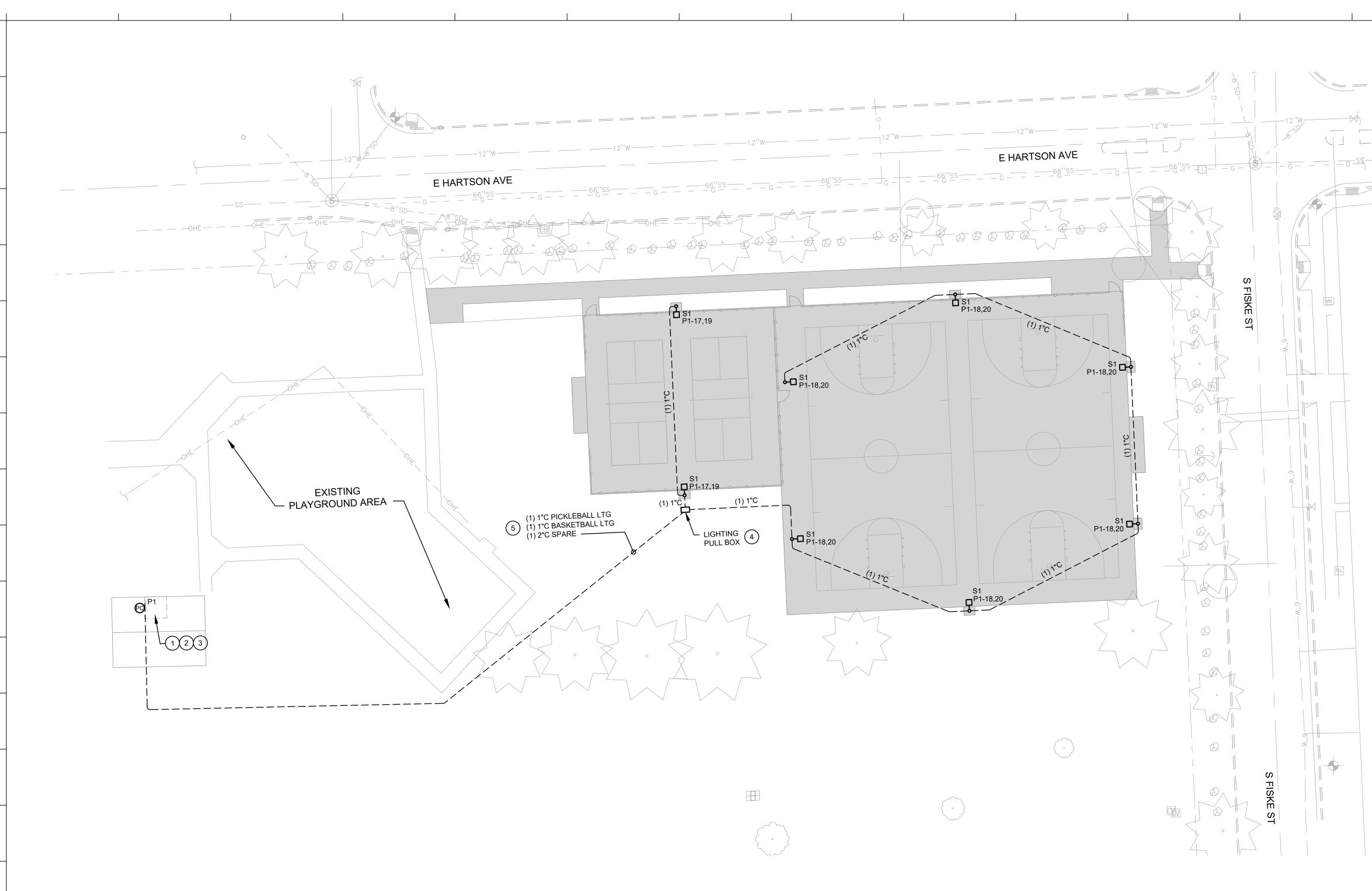
- A. THIS PLAN MAY NOT SHOW ALL EXISTING BURIED UTILITIES. CONTACT UNDERGROUND LOCATION SERVICE PRIOR TO EXCAVATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH UNDERGROUND LOCATING AND ANY REPAIRS FROM FAILING TO TAKE NECESSARY PRECAUTIONS PRIOR TO EXCAVATION.
- B. ALL ELECTRICAL DEMOLITION WORK SHALL COMPLY WITH THE REQUIREMENTS OF APPLICABLE CODES, REGULATIONS, AND INDUSTRY STANDARDS.
- C. EXERCISE CAUTION DURING DEMOLITION TO MINIMIZE DAMAGE TO EXISTING STRUCTURES, FINISHES, AND EQUIPMENT TO REMAIN. REPAIR ANY DAMAGE CAUSED AT NO ADDITIONAL COST TO THE OWNER.
- D. REMOVE ALL ITEMS SHOWN AS DARK DASHED OR LABELED WITH A "(D)" ON THE DEMOLITION PLANS, INCLUDING BOXES, CONDUIT, WIRE, FASTENERS, AND ASSOCIATED ACCESSORIES.
- E. ALL EXISTING CONDUITS AND WIRING THAT WILL NOT BE REUSED SHALL BE REMOVED WHERE THEY WILL BE EXPOSED UPON COMPLETION OF NEW WORK. CONCEALED CONDUITS IN WALLS SHALL BE ABANDONED.
- F. MATERIALS REMOVED DURING DEMOLITION, NOT DESIGNATED FOR RELOCATION OR SALVAGED TO THE OWNER, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND MUST BE COMPLETELY REMOVED FROM THE SITE.
- G. SCHEDULE ALL WORK AND POWER OUTAGES WITH THE OWNER. NOTIFY THE OWNER PRIOR TO TURNING OFF ANY CIRCUITS.
- H. THE CONTRACTOR SHALL UPDATE THE PANELBOARD DIRECTORY TO INDICATE ANY AND ALL CIRCUIT MODIFICATIONS DURING CONSTRUCTION.

KEYNOTES

- 1. EXISTING SITE PANELBOARD AND LIGHTING CONTROL TIME CLOCKS LOCATED IN UTILITY CLOSET.
- 2. EXISTING SPORTS COURT LIGHTING TO BE REMOVED INCLUDING LUMINAIRE HEADS, POLE, AND BASE.
- 3. EXISTING SPORTS COURT LIGHTING CIRCUIT TO BE REMOVED, EXCEPT AS REQUIRED TO THROUGH-FEED EXISTING TO REMAIN DEVICES ON THE SAME CIRCUIT.







NORTH	SCALE:	1"=20'-0"	

CALLOUT	OUT SYMBOL DESCRIPTION Image: Pole mount area light Pole mount area light		MANUFACTURER & CATALOG (NOTE 1)	DRIVER	MOUNTING	ELECTRICAL DATA		LAMP DATA		NOTES
						VOLTS	WATTS	TYPE	LUMENS	
S1			LITHONIA HEAD #DSX2 LED-P7-40K-70CRI-TFTM-MVOLT-SPA-PIR-HS-DDBXD POLE #SSS-QS-20-4G-DM19AS-DDBXD	SD	SD POLE, +22 FT		409	(1) LED, 4000K	52589	2
RIVER ABBR B - BATTERY	IS PROVIDED W		SENSOR. DISABLE PHOTOCELL FUNCTION. MAINTAIN OCCUPANCY FUNCTION	J J		1	1	I	1	

SITE ELECTRICAL PLAN - NEW WORK

GENERAL NOTES

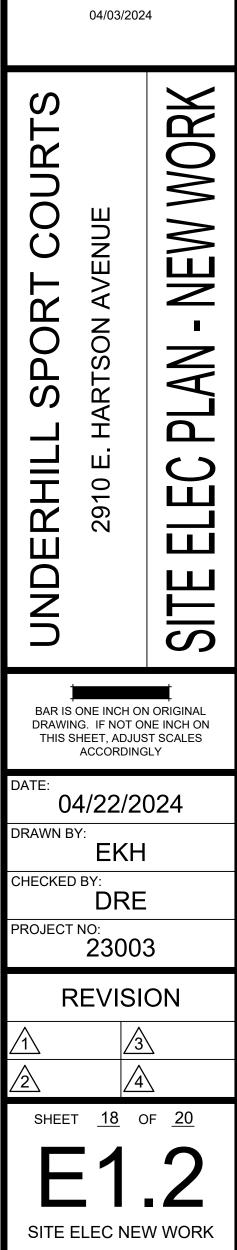
- A. THIS PLAN MAY NOT SHOW ALL EXISTING BURIED UTILITIES. CONTACT UNDERGROUND LOCATION SERVICE PRIOR TO EXCAVATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH UNDERGROUND LOCATING AND ANY REPAIRS FROM FAILING TO TAKE NECESSARY PRECAUTIONS PRIOR TO EXCAVATION.
- B. UNDERGROUND RACEWAY SHALL BE PLACED A MINIMUM OF 24" BELOW GRADE. UNDERGROUND UTILITY CONDUIT SHALL BE PLACED 36" BELOW GRADE, OR AS DIRECTED BY THE SERVING UTILITY.
- C. ALL UNDERGROUND CONDUIT SHALL BE 1" MINIMUM, SCHEDULE 40 PVC OR RIGID METALLIC CONDUIT (RMC).
- D. PROVIDE WARNING TAPE 12" ABOVE ALL BELOW GRADE CONDUIT.
- E. PROVIDE 1/8" PULL STRING IN ALL EMPTY/SPARE CONDUITS, CAP AND LABEL EACH END.

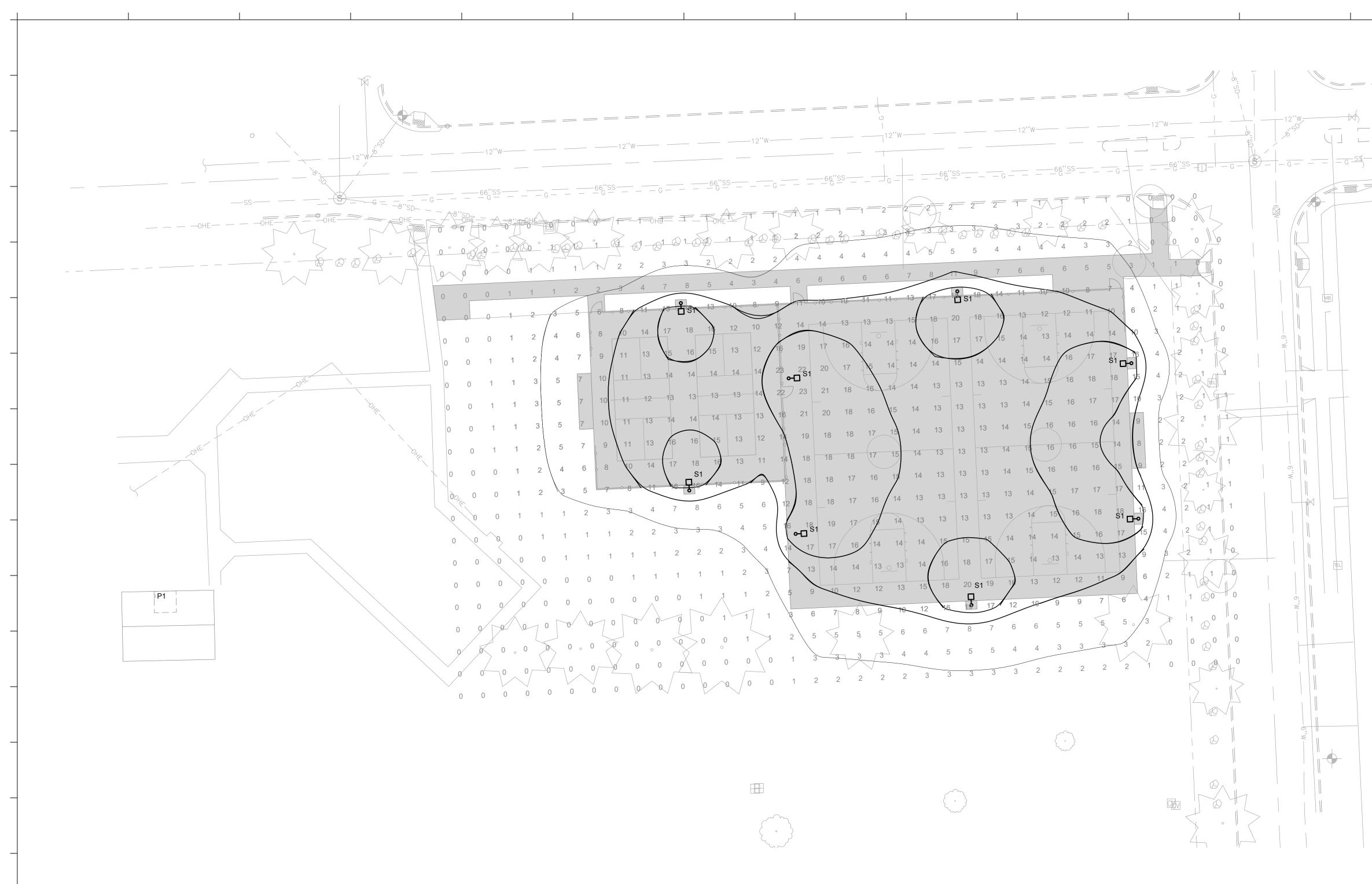
ATION CD \mathbf{Z} **L RECRE** RKS KA 5 SP PA 04/03/2024 S

KEYNOTES

- PROVIDE NEW CIRCUITS INDICATED FROM PANEL LOCATED IN EXISTING UTILITY CLOSET.
- 2. PROVIDE NEW TIMECLOCK AND PHOTOCELL FOR SPORT COURT LIGHTING CONTROL. PROGRAM IN COMPLIANCE WITH CURRENT WSEC REQUIREMENTS. COORDINATE WITH OWNER FOR SCHEDULING.
- 3. PHOTOCELL SHALL BE ROOF MOUNTED, INSTALL PER SPECIFICATIONS.
- 4. PROVIDE FLUSH WITH GRADE PULL BOX. MINIMUM ENCLOSURE DIMENSIONS: 18"(L) x 11"(W) x 18"(H).
- 5. CONDUIT ROUTING IS DIAGRAMMATIC AND SHALL BE FIELD COORDINATED WITH THE OWNER'S REPRESENTATIVE PRIOR TO TRENCHING. DO NOT ROUTE ANY CONDUIT OR CABLE BENEATH THE EXISTING PLAYGROUND AREA OR ADJACENT CONCRETE WALKWAY.



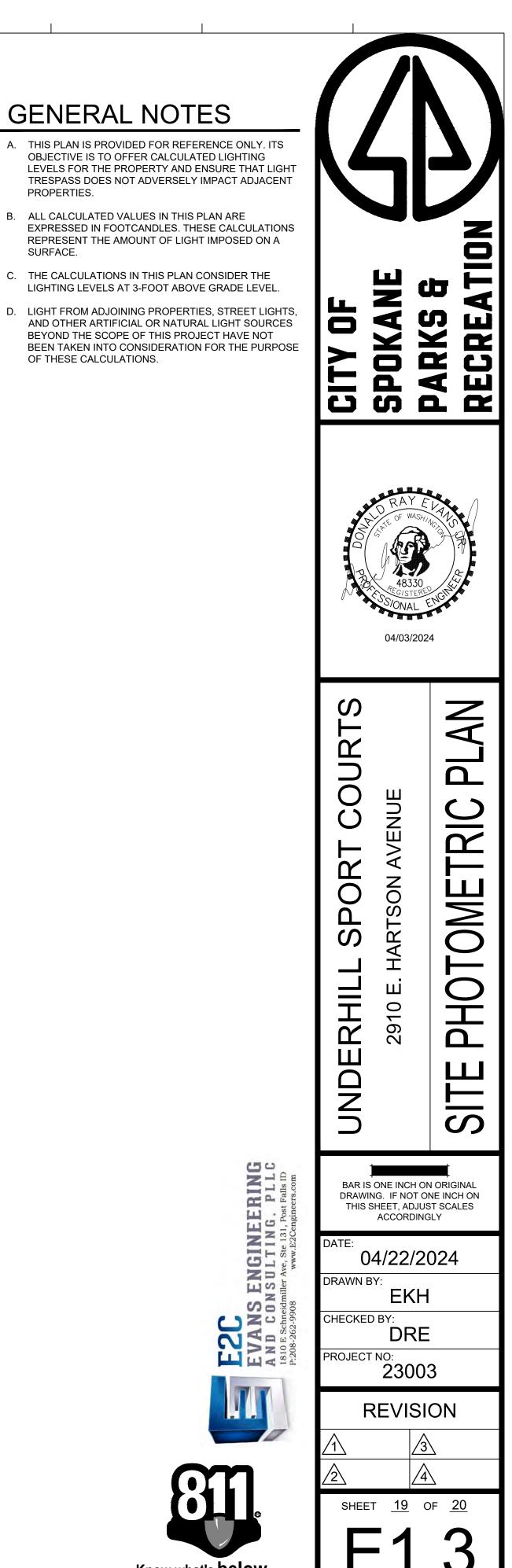




	1	SITE PHOTO
		SCALE: 1"=20'-0"
NORTH _		

CALLOUT	SYMBOL DESCRIPTION		MBOL DESCRIPTION MANUFACTURER & CATALOG (NOTE 1) DRIVER MOUNTING		ELECTRICAL DATA		LAMP DATA		NOTES	
						VOLTS	WATTS	TYPE	LUMENS	
S1	•□	POLE MOUNT AREA LIGHT	LITHONIA HEAD #DSX2 LED-P7-40K-70CRI-TFTM-MVOLT-SPA-PIR-HS-DDBXD POLE #SSS-QS-20-4G-DM19AS-DDBXD	SD	POLE, +22 FT	240	409	(1) LED, 4000K	52589	2

OMETRIC PLAN (REFERENCE ONLY)

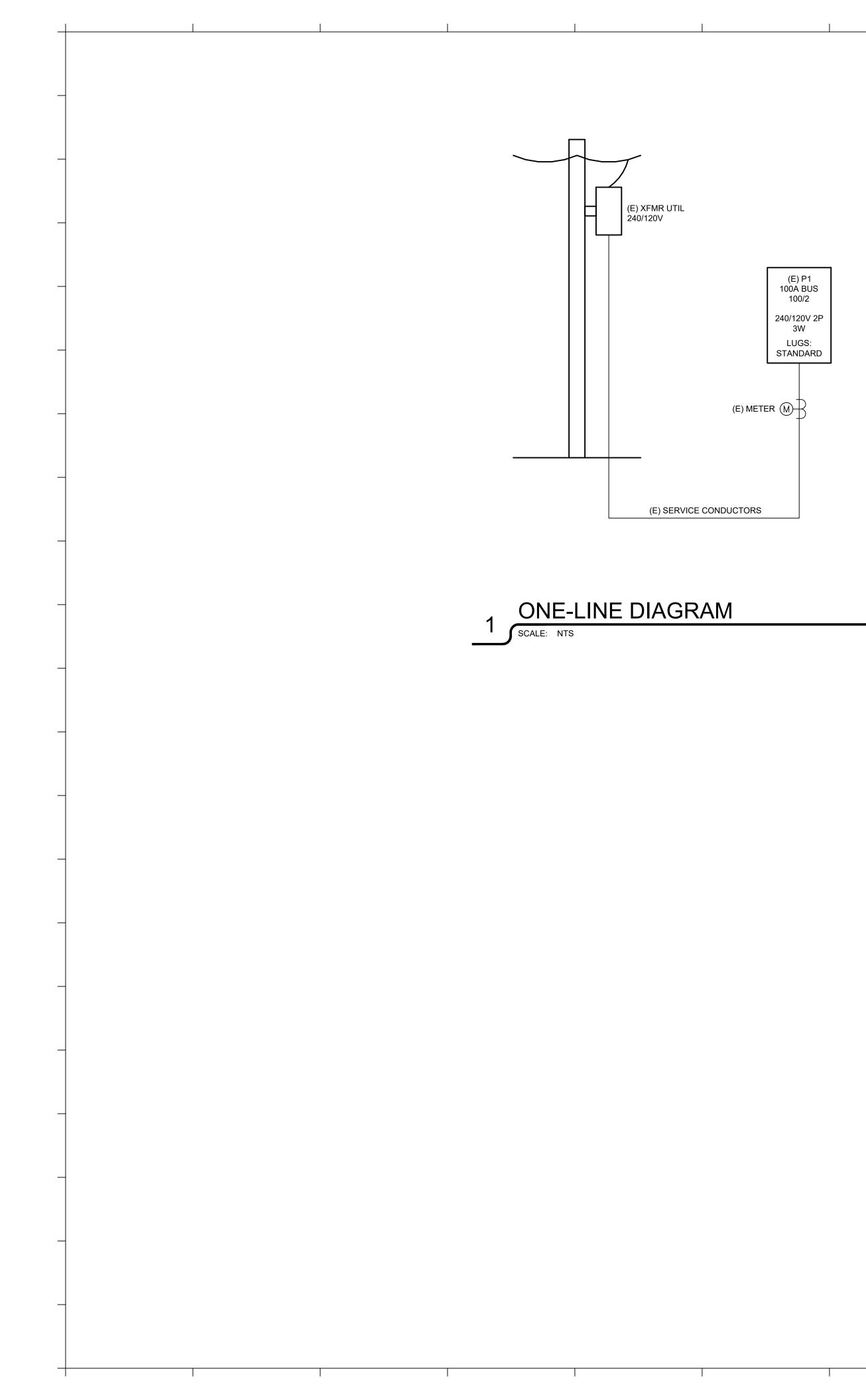


Know what's below. Call before you dig.

SITE PHOTOMETRICS

A. THIS PLAN IS PROVIDED FOR REFERENCE ONLY. ITS OBJECTIVE IS TO OFFER CALCULATED LIGHTING

- LEVELS FOR THE PROPERTY AND ENSURE THAT LIGHT TRESPASS DOES NOT ADVERSELY IMPACT ADJACENT PROPERTIES.
- B. ALL CALCULATED VALUES IN THIS PLAN ARE EXPRESSED IN FOOTCANDLES. THESE CALCULATIONS REPRESENT THE AMOUNT OF LIGHT IMPOSED ON A SURFACE.
- C. THE CALCULATIONS IN THIS PLAN CONSIDER THE LIGHTING LEVELS AT 3-FOOT ABOVE GRADE LEVEL.
- D. LIGHT FROM ADJOINING PROPERTIES, STREET LIGHTS, AND OTHER ARTIFICIAL OR NATURAL LIGHT SOURCES BEYOND THE SCOPE OF THIS PROJECT HAVE NOT BEEN TAKEN INTO CONSIDERATION FOR THE PURPOSE OF THESE CALCULATIONS.



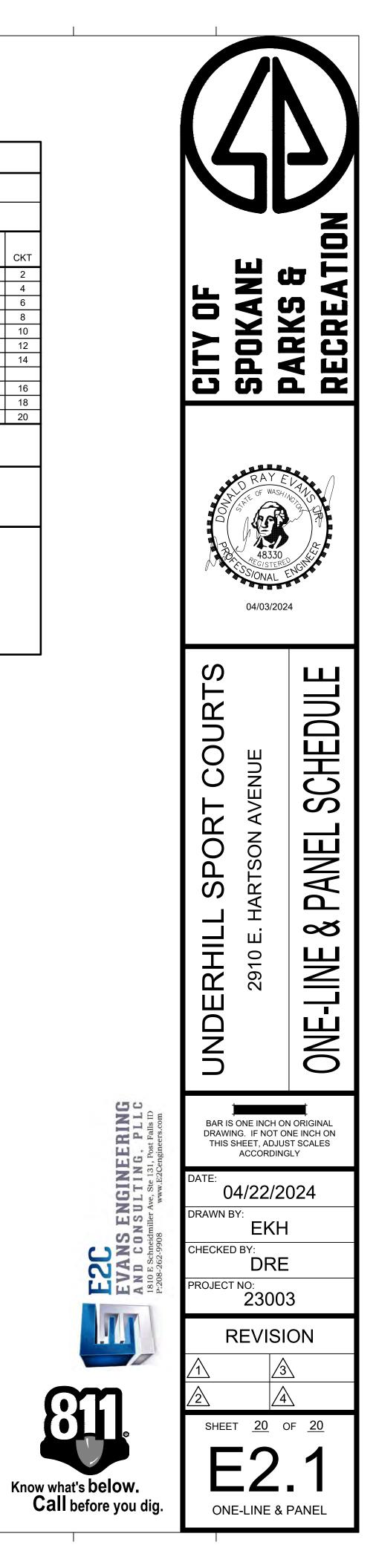
LOCATIO	ON:	MOUNTING: SURFACE		-	8 & PHASE: /120V 1-I	PH 3W	AIC RATING				MAINS TYPE: AKER	MAIN BREAKER SIZE:	
		ENCLOSURE:		WIRES):		LUGS: STAND	ARD		mains 100	RATING:	NEUTRAL RATING: 100%	
						LOAD	S (KVA)						
СКТ		ESCRIPTION	TRIP	NOTE		A	E	3	NOTE	TRIP	CIRCUIT DE	SCRIPTION	СКТ
1	IRRIGATION		20/1	1	0	0			1	20/1	STORAGE RM LIGH	2	
3	OUTSIDE LIGHTIN	G	20/1	1			0	0	1	20/1	STORAGE RM LIGH	TING	4
5	OUTSIDE LIGHTIN	G	20/2	1	0	0			1	20/1	NO LABEL		6
7							0	0	1	20/1	NO LABEL		8
9	NE LIGHTING		20/2	1	0	0			1	60/2	POOL PUMP		10
11							0	0					12
13A	SE LIGHTING		20/1	1	0	0			1	20/2	WEST LIGHTING		14
13B	SE LIGHTING		20/1	1	0								
15	POLE LIGHTING		20/1	1			0	0					16
17	PICKLEBALL COUR	RT LTG	20/2	2	0.41	1.2			2	20/2	B-BALL COURT LTG		18
19							0.41	1.2					20
	Т	OTAL CONNECTED K	VA BY PI	HASE	4	.1	4	.1					
	то	TAL CONNECTED AM	PS BY PI	HASE	3	34	3	4					
		CONN KVA	CALC K	VA			•				CALC KV	۹	
LIGH	TING	3.3 4	.1		(125%)		TOTAL LC	DAD			10		
METE	ERED DEMAND	5 6	.3		(125%)		BALANCE	D LOAD			43 A		

GENERAL NOTES

A. THE "METERED DEMAND" VALUE REFLECTS THE PEAK DEMAND OVER THE PAST 24 MONTHS PER THE UTILITY COMPANY. B. EXISTING INDIVIDUAL BRANCH LOADS NOT INDICATED.

C. LIGHTING LOADS IN THE FOOTER CORRESPOND TO THE NEW FIXTURES ADDED.
D. THE SUM OF THE NEW LIGHTING LOADS AND EXISTING "METERED DEMAND" HAS BEEN CALCULATED TO VERIFY THE PANELBOARD WILL NOT BE OVERLOADED.

SCHEDULE NOTES: 1. EXISTING LOAD TO REMAIN OR BE REDUCED. 2. NEW LOAD ADDED.



11



PROJECT MANUAL

UNDERHILL PARK SPORT COURT RENOVATION

City of Spokane Parks and Recreation

Owner Project No. PW ITB 6109-24

Contact: Mike Light, Landscape Architect, 509-363-8255 City of Spokane Parks and Recreation

> City of Spokane 808 W Spokane Falls Blvd Spokane, WA 99201

> > April 22, 2024

DOCUMENT 000115 - LIST OF DRAWING SHEETS

PART 1 - GENERAL

1.1 LIST OF DRAWINGS

- A. Drawings: Drawings that will be enumerated in the Owner/Contractor Agreement as part of the Contract Documents are listed on the Cover page of the separately bound drawing set titled Underhill Park Sport Court Renovation Issued for Bid dated 04/22/2024, as modified by subsequent Addenda and Modifications.
- B. List of Drawings: Drawings that will be enumerated in the Owner/Contractor Agreement as part of the Contract Documents are the following Drawings and other drawings of type indicated, as modified by subsequent Addenda and Modifications:
 - 1. V0.1 Topographic Survey Plan
 - 2. L0.1 ESC Plan
 - 3. L0.2 Tree Protection Plan
 - 4. L0.3 Demolition Plan
 - 5. L1.0 Site Plan
 - 6. L1.1 Sport Court Layout Plan
 - 7. L2.0 Grading Plan
 - 8. L3.0 Irrigation Plan
 - 9. L4.0 Planting Plan
 - 10. L5.0 Site Details
 - 11. L5.1 Site Details
 - 12. L5.2 Site Details
 - 13. E0.1 Legends & Abbreviations
 - 14. E0.2 Electrical Specifications
 - 15. E0.3 Electrical Specifications
 - 16. E0.4 Electrical Details
 - 17. E1.1 Site Electrical Plan Demolition
 - 18. E1.2 Site Electrical Plan New Work
 - 19. E1.3 Site Photometric Plan
 - 20. E2.1 One-Line & Panel Schedule

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF DOCUMENT 000115

DOCUMENT 002600 - PROCUREMENT SUBSTITUTION PROCEDURES

PART 1 - GENERAL

1.1 DEFINITIONS

- A. Procurement Substitution Requests: Requests for changes in products, materials, equipment, and methods of construction from those indicated in the Procurement and Contracting Documents, submitted prior to receipt of bids in accordance with Instructions to Bidders.
- B. Procurement Prior Approval Requests: Requests for approval of products or manufacturers from those required by the Contract Documents as defined by product selection procedures in Section 016000 "Product Requirements."
 - 1. Procurement prior approval is required when products or manufacturers are listed in specifications under "Sole Product," "Sole Manufacturer," "Limited List of Products," or "Limited List of Manufacturers" introductory paragraphs.
 - 2. Procurement prior approval is not required when products or manufacturers are listed in specifications under "Non-Limited List of Products" or "Non-Limited List of Manufacturers" introductory paragraphs.
 - 3. Where use of "Sole Product," "Sole Manufacturer," "Limited List of Products," or "Limited List of Manufacturers" introductory paragraphs is not allowed by statute, procurement prior approval request is not required.
- C. Substitution Requests: Requests for changes in products, materials, equipment, and methods of construction from those indicated in the Contract Documents, submitted following Contract award.

1.2 QUALITY ASSURANCE

A. Compatibility of Substitutions: Investigate and document compatibility of proposed substitution with related products and materials. Engage a qualified testing agency to perform compatibility tests recommended by manufacturers.

1.3 PROCUREMENT SUBSTITUTIONS

- A. Procurement Substitutions, General: By submitting a bid, the Bidder represents that its bid is based on materials and equipment described in the Procurement and Contracting Documents, including Addenda. Bidders are encouraged to request approval of qualifying substitute materials and equipment when the Specifications Sections list materials and equipment by product or manufacturer name.
- B. Procurement Substitution Requests will be received and considered by Owner when the following conditions are satisfied, as determined by Architect; otherwise requests will be returned without action:

- 1. Extensive revisions to the Contract Documents are not required.
- 2. Proposed changes are in keeping with general intent of the Contract Documents, including level of quality of the Work represented by requirements therein.
- 3. Request is fully documented and properly submitted.

1.4 SUBMITTALS

- A. Procurement Substitution Request: Submit to . Procurement Substitution Request must be made in writing by prime contract Bidder only in compliance with the following requirements:
 - 1. Requests for substitution of materials and equipment will be considered if received no later than 10 days prior to date of bid opening.
 - 2. Submittal Format, Printed: Submit three copies of each written Procurement Substitution Request, using CSI Substitution Request Form 1.5C.
 - 3. Submittal Format, Electronic: Submit Procurement Substitution Request, using format provided on Project web-based bidding management software site.
 - a. Identify the product or the fabrication or installation method to be replaced in each request. Include related Specifications Sections and Drawing numbers.
 - b. Provide complete documentation on both the product specified and the proposed substitute, including the following information as appropriate:
 - 1) List of similar installations for completed projects, with project names and addresses as well as names and addresses of architects and owners.
 - 2) Product data, including drawings and descriptions of products and fabrication and installation procedures.
 - 3) Point-by-point comparison of specified and proposed substitute product data, fabrication drawings, and installation procedures.
 - 4) Copies of current, independent third-party test data of salient product or system characteristics.
 - 5) Samples where applicable or when requested by Architect.
 - 6) Detailed comparison of significant qualities of proposed substitute with those of the Work specified. Significant qualities may include attributes such as performance, weight, size, durability, visual effect, sustainable design characteristics, warranties, and specific features and requirements indicated. Indicate deviations, if any, from the Work specified.
 - 7) Material test reports from a qualified testing agency indicating and interpreting test results for compliance with requirements indicated.
 - 8) Research reports, where applicable, evidencing compliance with building code in effect for Project, from ICC-ES.
 - 9) Coordination information, including a list of changes or modifications needed to other parts of the Work and to construction performed by Owner and separate contractors, which will become necessary to accommodate proposed substitute.

- c. Provide certification by manufacturer that proposed substitute is equal to or superior to that required by the Procurement and Contracting Documents, and that its in-place performance will be equal to or superior to product or equipment specified in the application indicated.
- d. Bidder, in submitting the Procurement Substitution Request, waives the right to additional payment or an extension of Contract Time because of the failure of substitute to perform as represented in the Procurement Substitution Request.
- B. Architect's Action:
 - 1. Architect may request additional information or documentation necessary for evaluation of the Procurement Substitution Request. Architect will notify all Bidders of acceptance of proposed substitute by means of an Addendum to the Procurement and Contracting Documents.

PART 2 - PRODUCTS (Not Used) PART 3 - EXECUTION (Not Used)

END OF DOCUMENT 002600

SECTION 011000 - SUMMARY

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Project information.
 - 2. Work covered by Contract Documents.
 - 3. Work performed by Owner.
 - 4. Owner's product purchase contracts.
 - 5. Owner-furnished/Contractor-installed (OFCI) products.
 - 6. Contractor's use of site and premises.
 - 7. Work restrictions.
 - 8. Specification and Drawing conventions.
 - 9. Miscellaneous provisions.

1.2 PROJECT INFORMATION

- A. Project Identification: Underhill Park Sport Court Renovation.
 - 1. Project Location: 2910 E Hartson Ave, Spokane, WA.
- B. Owner: City of Spokane Parks & Recreation, 808 W Spokane Falls Blvd, Spokane, WA, 99201.
 - 1. Owner's Representative: Mike Light, mlight@spokanecity.org, 509-724-3585.
- C. Other Owner Consultants: Owner has retained the following design professionals who have prepared designated portions of the Contract Documents:
 - 1. Electrical Engineering: Evans Engineering and Consulting has prepared the following portions of the Contract Documents:
 - a. Electrical Engineering Representative: Don Evans, don@e2cengineers.com, 208-262-9908.
 - b. Scope of Service: Electrical Design.

1.3 WORK COVERED BY CONTRACT DOCUMENTS

- A. The Work of Project is defined by the Contract Documents and includes, but is not limited to, the following:
 - 1. Protecting existing trees in place; removing existing trees; removing existing sport court surfacing, netting, poles, fencing, lighting, landscape areas and

irrigation equipment; new construction of basketball courts, pickleball courts, site furniture, sporting equipment, fencing, landscaping, and irrigation improvements, and other Work indicated in the Contract Documents.

- B. Type of Contract:
 - 1. Project will be constructed under a single prime contract.

1.4 WORK PERFORMED BY OWNER

- A. Cooperate fully with Owner, so work may be carried out smoothly, without interfering with or delaying Work under this Contract or work by Owner. Coordinate the Work of this Contract with work performed by Owner.
- B. Preceding Work: Owner will perform the following construction operations at Project site. Those operations are scheduled to be substantially complete before Work under this Contract begins.
 - 1. Removal of basketball backboards and hoops, and garbage cans.

1.5 OWNER-FURNISHED/CONTRACTOR-INSTALLED (OFCI) PRODUCTS

- A. Owner's Responsibilities: Owner will furnish products indicated and perform the following, as applicable:
 - 1. Provide to Contractor Owner-reviewed Product Data, Shop Drawings, and Samples.
 - 2. Provide for delivery of Owner-furnished products to Project site.
 - 3. Upon delivery, inspect, with Contractor present, delivered items.
 - a. If Owner-furnished products are damaged, defective, or missing, arrange for replacement.
 - 4. Obtain manufacturer's inspections, service, and warranties.
 - 5. Inform Contractor of earliest available delivery date for Owner-furnished products.
- B. Contractor's Responsibilities: The Work includes the following, as applicable:
 - 1. Designate delivery dates of Owner-furnished products in Contractor's construction schedule, utilizing Owner-furnished earliest available delivery dates.
 - 2. Review Owner-reviewed Product Data, Shop Drawings, and Samples, noting discrepancies and other issues in providing for Owner-furnished products in the Work.
 - 3. Receive, unload, handle, store, protect, and install Owner-furnished products.
 - 4. Protect Owner-furnished products from damage during storage, handling, and installation and prior to Substantial Completion.
 - 5. Repair or replace Owner-furnished products damaged following receipt.

- C. Owner-Furnished/Contractor-Installed (OFCI) Products:
 - 1. See drawings.

1.6 CONTRACTOR'S USE OF SITE AND PREMISES

- A. Limits on Use of Site: Limit use of Project site to areas within the Contract limits indicated. Do not disturb portions of Project site beyond areas in which the Work is indicated.
 - 1. Driveways, Walkways and Entrances: Keep driveways, entrances, and public onstreet parking premises clear and available at all times. Do not use these areas for employee parking or for storage of materials.
 - a. Schedule deliveries to minimize use of driveways and entrances by construction operations.
 - b. Schedule deliveries to minimize space and time requirements for storage of materials and equipment on-site.
- B. Condition of Existing Grounds: Maintain portions of existing landscaping, and hardscaping affected by construction operations throughout construction period. Repair damage caused by construction operations.

1.7 COORDINATION WITH OCCUPANTS

- A. Partial Owner Occupancy: Owner will occupy the premises during entire construction period, with the exception of areas under construction. Cooperate with Owner during construction operations to minimize conflicts and facilitate Owner usage. Perform the Work so as not to interfere with Owner's operations. Maintain existing access points unless otherwise indicated.
 - 1. Maintain access to existing walkways and other adjacent occupied or used facilities. Do not close or obstruct walkways, or other occupied or used facilities without written permission from Owner and authorities having jurisdiction.
 - 2. Provide not less than 72 hours' notice to Owner of activities that will affect Owner's operations.
- B. Public Access: The work will take place in an active public park. Construction fencing for the project limits is required, as well as traffic controls onto adjacent streets and securing the site in non-construction hours.

1.8 WORK RESTRICTIONS

- A. Comply with restrictions on construction operations.
 - 1. Comply with limitations on use of public streets, work on public streets, rights of way, and other requirements of authorities having jurisdiction.

- B. General: Comply with general requirements of City of Spokane with regards to work hours, traffic control, and road restrictions as applicable.
- C. Existing Utility Interruptions: Do not interrupt utilities serving facilities occupied by Owner or others unless permitted under the following conditions and then only after arranging for temporary utility services according to requirements indicated:
 - 1. Notify Owner not less than two days in advance of proposed utility interruptions.
 - 2. Obtain Owner's written permission before proceeding with utility interruptions.

1.9 SPECIFICATION AND DRAWING CONVENTIONS

- A. Specification Content: The Specifications use certain conventions for the style of language and the intended meaning of certain terms, words, and phrases when used in particular situations. These conventions are as follows:
 - 1. Imperative mood and streamlined language are generally used in the Specifications. The words "shall," "shall be," or "shall comply with," depending on the context, are implied where a colon (:) is used within a sentence or phrase.
 - 2. Text Color: Text used in the Specifications, including units of measure, manufacturer and product names, and other text may appear in multiple colors or underlined as part of a hyperlink; no emphasis is implied by text with these characteristics.
 - 3. Hypertext: Text used in the Specifications may contain hyperlinks. Hyperlinks may allow for access to linked information that is not residing in the Specifications. Unless otherwise indicated, linked information is not part of the Contract Documents.
 - 4. Specification requirements are to be performed by Contractor unless specifically stated otherwise.
- B. Division 00 Contracting Requirements: General provisions of the Contract, including General and Supplementary Conditions, apply to all Sections of the Specifications.
- C. Division 01 General Requirements: Requirements of Sections in Division 01 apply to the Work of all Sections in the Specifications.
- D. Drawing Coordination: Requirements for materials and products identified on Drawings are described in detail in the Specifications. One or more of the following are used on Drawings to identify materials and products:
 - 1. Terminology: Materials and products are identified by the typical generic terms used in the individual Specifications Sections.
 - 2. Abbreviations: Materials and products are identified by abbreviations scheduled on Drawings.
 - 3. Keynoting: Materials and products are identified by reference keynotes referencing Specification Section numbers found in this Project Manual.

PART 2 - PRODUCTS (Not Used) PART 3 - EXECUTION (Not Used)

END OF SECTION 011000

SECTION 012300 - ALTERNATES

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes administrative and procedural requirements for alternates.

1.2 DEFINITIONS

- A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the bidding requirements that may be added to or deducted from the base bid amount if the Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.
 - 1. Alternates described in this Section are part of the Work only if enumerated in the Agreement.
 - 2. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternates into the Work. No other adjustments are made to the Contract Sum.

1.3 PROCEDURES

- A. Coordination: Revise or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.
 - 1. Include, as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation, whether or not indicated as part of alternate.
- B. Execute accepted alternates under the same conditions as other Work of the Contract.

PART 2 - PRODUCTS (Not Used) PART 3 - EXECUTION

3.1 SCHEDULE OF ALTERNATES

- A. Alternate No.1: Site Lighting and Power.
 - 1. Alternate: Overhead site lighting and power as indicated on Drawings and as specified in Instructions to Bidders in the Invitation to Bid.
- B. Alternate No.2: Ornamental Fencing and Gates.

- 1. Base Bid: Chain link fencing as indicated on Drawings and as specified in Section 323113 "Chain Link Fences and Gates".
- 2. Alternate: Substitute new ornamental fencing in lieu of chain link fencing and gates as specified in Section 323119 "Decorative Metal Fences and Gates".

END OF SECTION 012300

SECTION 012900 - PAYMENT PROCEDURES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes administrative and procedural requirements necessary to prepare and process Applications for Payment.
- 1.2 SCHEDULE OF VALUES
 - A. Coordination: Coordinate preparation of the schedule of values with preparation of Contractor's construction schedule.
 - 1. Coordinate line items in the schedule of values with items required to be indicated as separate activities in Contractor's construction schedule.
 - 2. Submit the schedule of values to Architect at earliest possible date, but no later than seven days before the date scheduled for submittal of initial Applications for Payment.
 - B. Format and Content: Use Project Manual table of contents as a guide to establish line items for the schedule of values. Provide at least one line item for each Specification Section.
 - 1. Identification: Include the following Project identification on the schedule of values:
 - a. Project name and location.
 - b. Owner's name.
 - c. Owner's Project number.
 - d. Contractor's name and address.
 - e. Date of submittal.
 - 2. Arrange schedule of values consistent with format of AIA Document G703.
 - 3. Arrange the schedule of values in tabular form, with separate columns to indicate the following for each item listed:
 - a. Related Specification Section or division.
 - b. Description of the Work.
 - c. Name of subcontractor.
 - d. Name of manufacturer or fabricator.
 - e. Name of supplier.
 - f. Change Orders (numbers) that affect value.
 - g. Dollar value of the following, as a percentage of the Contract Sum to nearest one-hundredth percent, adjusted to total 100 percent. Round dollar amounts to whole dollars, with total equal to Contract Sum.

- 1) Labor.
- 2) Materials.
- 3) Equipment.
- 4. Provide a breakdown of the Contract Sum in enough detail to facilitate continued evaluation of Applications for Payment and progress reports. Provide multiple line items for principal subcontract amounts in excess of ten percent of the Contract Sum.
- 5. Provide a separate line item in the schedule of values for each part of the Work where Applications for Payment may include materials or equipment purchased or fabricated and stored, but not yet installed.
 - a. Differentiate between items stored on-site and items stored off-site.
- 6. Overhead Costs, Proportional Distribution: Include total cost and proportionate share of general overhead and profit for each line item.
- 7. Overhead Costs, Separate Line Items: Show cost of temporary facilities and other major cost items that are not direct cost of actual work-in-place as separate line items.
- 8. Closeout Costs. Include separate line items under Contractor and principal subcontracts for Project closeout requirements in an amount totaling ten percent of the Contract Sum and subcontract amount.
- 9. Schedule of Values Revisions: Revise the schedule of values when Change Orders or Construction Change Directives result in a change in the Contract Sum. Include at least one separate line item for each Change Order and Construction Change Directive.

1.3 APPLICATIONS FOR PAYMENT

- A. Each Application for Payment following the initial Application for Payment shall be consistent with previous applications and payments, as certified by Owner and paid for by Owner.
- B. Payment Application Times: The date for each progress payment is indicated in the Owner/Contractor Agreement. The period of construction work covered by each Application for Payment is the period indicated in the Agreement.
- C. Application for Payment Forms: Use City of Spokane standard form as form for Applications for Payment.
- D. Application Preparation: Complete every entry on form. Notarize and execute by a person authorized to sign legal documents on behalf of Contractor. will return incomplete applications without action.
 - 1. Entries shall match data on the schedule of values and Contractor's construction schedule. Use updated schedules if revisions were made.
 - 2. Include amounts for work completed following previous Application for Payment, whether or not payment has been received. Include only amounts for work completed at time of Application for Payment.

- 3. Include amounts of Change Orders and Construction Change Directives issued before last day of construction period covered by application.
- 4. Indicate separate amounts for work being carried out under Owner-requested project acceleration.
- E. Stored Materials: Include in Application for Payment amounts applied for materials or equipment purchased or fabricated and stored, but not yet installed. Differentiate between items stored on-site and items stored off-site.
 - 1. Provide certificate of insurance, evidence of transfer of title to Owner, and consent of surety to payment for stored materials.
 - 2. Provide supporting documentation that verifies amount requested, such as paid invoices. Match amount requested with amounts indicated on documentation; do not include overhead and profit on stored materials.
 - 3. Provide summary documentation for stored materials indicating the following:
 - a. Value of materials previously stored and remaining stored as of date of previous Applications for Payment.
 - b. Value of previously stored materials put in place after date of previous Application for Payment and on or before date of current Application for Payment.
 - c. Value of materials stored since date of previous Application for Payment and remaining stored as of date of current Application for Payment.
- F. Transmittal: Submit one signed and notarized original copies of each Application for Payment to by a method ensuring receipt within 24 hours. One copy shall include waivers of lien and similar attachments if required.
 - 1. Transmit each copy with a transmittal form listing attachments and recording appropriate information about application.
- G. Waivers of Mechanic's Lien: With each Application for Payment, submit waivers of mechanic's lien from entities lawfully entitled to file a mechanic's lien arising out of the Contract and related to the Work covered by the payment.
 - 1. When an application shows completion of an item, submit conditional final or full waivers.
 - 2. Owner reserves the right to designate which entities involved in the Work must submit waivers.
 - 3. Submit final Application for Payment with or preceded by conditional final waivers from every entity involved with performance of the Work covered by the application who is lawfully entitled to a lien.
 - 4. Waiver Forms: Submit executed waivers of lien on forms acceptable to Owner.
- H. Initial Application for Payment: Administrative actions and submittals that must precede or coincide with submittal of first Application for Payment include the following:
 - 1. List of subcontractors.
 - 2. Schedule of values.
 - 3. Contractor's construction schedule (preliminary if not final).

- 4. Products list (preliminary if not final).
- 5. Submittal schedule (preliminary if not final).
- 6. List of Contractor's staff assignments.
- 7. List of Contractor's principal consultants.
- 8. Copies of building permits.
- 9. Copies of authorizations and licenses from authorities having jurisdiction for performance of the Work.
- 10. Initial progress report.
- 11. Report of preconstruction conference.
- 12. Certificates of insurance and insurance policies.
- 13. Performance and payment bonds.
- 14. Data needed to acquire Owner's insurance.
- 15. Contractor business information as required by City of Spokane Parks Accounting.
- I. Application for Payment at Substantial Completion: After Owner issues the Certificate of Substantial Completion, submit an Application for Payment showing 100 percent, less retainage, completion for portion of the Work claimed as substantially complete.
 - 1. Include documentation supporting claim that the Work is substantially complete and a statement showing an accounting of changes to the Contract Sum.
 - a. Complete administrative actions, submittals, and Work preceding this application, as described in Section 017700 "Closeout Procedures."
 - 2. This application shall reflect Certificate(s) of Substantial Completion issued previously for Owner occupancy of designated portions of the Work.
- J. Final Payment Application: After completing Project closeout requirements, submit final Application for Payment with releases and supporting documentation not previously submitted and accepted, including, but not limited, to the following:
 - 1. Evidence of completion of Project closeout requirements.
 - 2. Certification of completion of final punch list items.
 - 3. Insurance certificates for products and completed operations where required and proof that taxes, fees, and similar obligations were paid.
 - 4. Updated final statement, accounting for final changes to the Contract Sum.
 - 5. Evidence that claims have been settled.
 - 6. Final liquidated damages settlement statement.
 - 7. Proof that taxes, fees, and similar obligations are paid.
 - 8. Waivers and releases.

PART 2 - PRODUCTS (Not Used) PART 3 - EXECUTION (Not Used)

END OF SECTION 012900

SECTION 013300 - SUBMITTAL PROCEDURES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Submittal schedule requirements.
 - 2. Administrative and procedural requirements for submittals.
- B. Related Requirements:
 - 1. Section 012900 "Payment Procedures" for submitting Applications for Payment and the schedule of values.
 - 2. Section 013100 "Project Management and Coordination" for submitting coordination drawings and subcontract list and for requirements for web-based Project software.
 - 3. Section 014000 "Quality Requirements" for submitting test and inspection reports, and schedule of tests and inspections.
 - 4. Section 017700 "Closeout Procedures" for submitting closeout submittals and maintenance material submittals.
 - 5. Section 017839 "Project Record Documents" for submitting record Drawings, record Specifications, and record Product Data.

1.2 DEFINITIONS

- A. Action Submittals: Written and graphic information and physical samples that require Architect's responsive action. Action submittals are those submittals indicated in individual Specification Sections as "action submittals."
- B. Informational Submittals: Written and graphic information and physical samples that do not require Architect's responsive action. Submittals may be rejected for not complying with requirements. Informational submittals are those submittals indicated in individual Specification Sections as "informational submittals."

1.3 SUBMITTAL SCHEDULE

- A. Submittal Schedule: Submit, as an action submittal, a list of submittals, arranged in chronological order by dates required by construction schedule. Include time required for review, ordering, manufacturing, fabrication, and delivery when establishing dates. Include additional time required for making corrections or revisions to submittals noted by Architect and additional time for handling and reviewing submittals required by those corrections.
 - 1. Coordinate submittal schedule with list of subcontracts, the schedule of values,

and Contractor's construction schedule.

- 2. Initial Submittal Schedule: Submit concurrently with startup construction schedule. Include submittals required during the first 60 days of construction. List those submittals required to maintain orderly progress of the Work and those required early because of long lead time for manufacture or fabrication.
- 3. Format: Arrange the following information in a tabular format:
 - a. Scheduled date for first submittal.
 - b. Specification Section number and title.
 - c. Name of subcontractor.
 - d. Description of the Work covered.
 - e. Scheduled date for Owner's final release or approval.
 - f. Scheduled dates for purchasing.
 - g. Scheduled date of fabrication.
 - h. Scheduled dates for installation.
 - i. Activity or event number.

1.4 SUBMITTAL FORMATS

- A. Submittal Information: Include the following information in each submittal:
 - 1. Project name.
 - 2. Date.
 - 3. Name of Owner.
 - 4. Name of Construction Manager.
 - 5. Name of Contractor.
 - 6. Name of firm or entity that prepared submittal.
 - 7. Names of subcontractor, manufacturer, and supplier.
 - 8. Unique submittal number, including revision identifier. Include Specification Section number with sequential alphanumeric identifier and alphanumeric suffix for resubmittals.
 - 9. Category and type of submittal.
 - 10. Submittal purpose and description.
 - 11. Number and title of Specification Section, with paragraph number and generic name for each of multiple items.
 - 12. Drawing number and detail references, as appropriate.
 - 13. Location(s) where product is to be installed, as appropriate.
 - 14. Other necessary identification.
 - 15. Remarks.
 - 16. Signature of transmitter.
- B. Deviations and Additional Information: On each submittal, clearly indicate deviations from requirements in the Contract Documents, including minor variations and limitations; include relevant additional information and revisions, other than those requested by Architect on previous submittals. Indicate by highlighting on each submittal or noting on attached separate sheet.
- C. Paper Submittals:

- 1. Place a permanent label or title block on each submittal item for identification; include name of firm or entity that prepared submittal.
- 2. Provide a space approximately 6 by 8 inches on label or beside title block to record Contractor's review and approval markings and action taken by Architect.
- D. Electronic Submittals: Prepare submittals as PDF package, incorporating complete information into each PDF file. Name PDF file with submittal number.

1.5 SUBMITTAL PROCEDURES

- A. Prepare and submit submittals required by individual Specification Sections. Types of submittals are indicated in individual Specification Sections.
 - 1. Email: Prepare submittals as PDF package and transmit to Owner by sending via email. Include PDF transmittal form. Include information in email subject line as requested by Owner.
- B. Coordination: Coordinate preparation and processing of submittals with performance of construction activities.
 - 1. Coordinate each submittal with fabrication, purchasing, testing, delivery, other submittals, and related activities that require sequential activity.
 - 2. Submit all submittal items required for each Specification Section concurrently unless partial submittals for portions of the Work are indicated on approved submittal schedule.
 - 3. Submit action submittals and informational submittals required by the same Specification Section as separate packages under separate transmittals.
- C. Processing Time: Allow time for submittal review, including time for resubmittals, as follows. Time for review shall commence on Owner's receipt of submittal. No extension of the Contract Time will be authorized because of failure to transmit submittals enough in advance of the Work to permit processing, including resubmittals.
 - 1. Initial Review: Allow seven days for initial review of each submittal. Allow additional time if coordination with subsequent submittals is required. Owner will advise Contractor when a submittal being processed must be delayed for coordination.
 - 2. Intermediate Review: If intermediate submittal is necessary, process it in same manner as initial submittal.
 - 3. Resubmittal Review: Allow seven days for review of each resubmittal.
- D. Resubmittals: Make resubmittals in same form and number of copies as initial submittal.
 - 1. Note date and content of previous submittal.
 - 2. Note date and content of revision in label or title block, and clearly indicate extent of revision.
 - 3. Resubmit submittals until they are marked with approval notation from Architect's action stamp.

- E. Distribution: Furnish copies of final submittals to manufacturers, subcontractors, suppliers, fabricators, installers, authorities having jurisdiction, and others as necessary for performance of construction activities. Show distribution on transmittal forms.
- F. Use for Construction: Retain complete copies of submittals on Project site. Use only final action submittals that are marked with approval notation from Architect's action stamp.

1.6 SUBMITTAL REQUIREMENTS

- A. Product Data: Collect information into a single submittal for each element of construction and type of product or equipment.
 - 1. If information must be specially prepared for submittal because standard published data are unsuitable for use, submit as Shop Drawings, not as Product Data.
 - 2. Mark each copy of each submittal to show which products and options are applicable.
 - 3. Include the following information, as applicable:
 - a. Manufacturer's catalog cuts.
 - b. Manufacturer's product specifications.
 - c. Standard color charts.
 - d. Statement of compliance with specified referenced standards.
 - e. Testing by recognized testing agency.
 - f. Application of testing agency labels and seals.
 - g. Notation of coordination requirements.
 - h. Availability and delivery time information.
 - 4. For equipment, include the following in addition to the above, as applicable:
 - a. Wiring diagrams that show factory-installed wiring.
 - b. Printed performance curves.
 - c. Operational range diagrams.
 - d. Clearances required to other construction, if not indicated on accompanying Shop Drawings.
 - 5. Submit Product Data before Shop Drawings, and before or concurrently with Samples.
- B. Shop Drawings: Prepare Project-specific information, drawn accurately to scale. Do not base Shop Drawings on reproductions of the Contract Documents or standard printed data unless submittal based on Architect's digital data drawing files is otherwise permitted.
 - 1. Preparation: Fully illustrate requirements in the Contract Documents. Include the following information, as applicable:
 - a. Identification of products.

- b. Schedules.
- c. Compliance with specified standards.
- d. Notation of coordination requirements.
- e. Notation of dimensions established by field measurement.
- f. Relationship and attachment to adjoining construction clearly indicated.
- g. Seal and signature of professional engineer if specified.
- 2. Paper Sheet Size: Except for templates, patterns, and similar full-size Drawings, submit Shop Drawings on sheets at least 8-1/2 by 11 inches, but no larger than 24 by 36 inches.
- C. Samples: Submit Samples for review of type, color, pattern, and texture for a check of these characteristics with other materials.
 - 1. Transmit Samples that contain multiple, related components, such as accessories together in one submittal package.
 - 2. Identification: Permanently attach label on unexposed side of Samples that includes the following:
 - a. Project name and submittal number.
 - b. Generic description of Sample.
 - c. Product name and name of manufacturer.
 - d. Sample source.
 - e. Number and title of applicable Specification Section.
 - f. Specification paragraph number and generic name of each item.
 - 3. Email Transmittal: Provide PDF transmittal. Include digital image file illustrating Sample characteristics and identification information for record.
 - 4. Disposition: Maintain sets of approved Samples at Project site, available for quality-control comparisons throughout the course of construction activity. Sample sets may be used to determine final acceptance of construction associated with each set.
 - a. Samples that may be incorporated into the Work are indicated in individual Specification Sections. Such Samples must be in an undamaged condition at time of use.
 - b. Samples not incorporated into the Work, or otherwise designated as Owner's property, are the property of Contractor.
 - 5. Samples for Initial Selection: Submit manufacturer's color charts consisting of units or sections of units, showing the full range of colors, textures, and patterns available.
 - a. Number of Samples: Submit one full set(s) of available choices where color, pattern, texture, or similar characteristics are required to be selected from manufacturer's product line. Architect will return submittal with options selected.
 - 6. Samples for Verification: Submit full-size units or Samples of size indicated, prepared from same material to be used for the Work, cured and finished in

manner specified, and physically identical with material or product proposed for use, and that show full range of color and texture variations expected. Samples include, but are not limited to, the following: partial sections of manufactured or fabricated components; small cuts or containers of materials; complete units of repetitively used materials; swatches showing color, texture, and pattern; color range sets; and components used for independent testing and inspection.

- a. Number of Samples: Submit one set of Samples.
 - 1) Submit a single Sample where assembly details, workmanship, fabrication techniques, connections, operation, and other similar characteristics are to be demonstrated.
 - 2) If variation in color, pattern, texture, or other characteristic is inherent in material or product represented by a Sample, submit at least two sets of paired units that show approximate limits of variations.
- D. Product Schedule: As required in individual Specification Sections, prepare a written summary indicating types of products required for the Work and their intended location. Include the following information in tabular form:
 - 1. Type of product. Include unique identifier for each product indicated in the Contract Documents or assigned by Contractor if none is indicated.
 - 2. Manufacturer and product name, and model number if applicable.
 - 3. Number and name of room or space.
 - 4. Location within room or space.
- E. Qualification Data: Prepare written information that demonstrates capabilities and experience of firm or person. Include lists of completed projects with project names and addresses, contact information of architects and owners, and other information specified.
- F. Certificates:
 - 1. Certificates and Certifications Submittals: Submit a statement that includes signature of entity responsible for preparing certification. Certificates and certifications shall be signed by an officer or other individual authorized to sign documents on behalf of that entity. Provide a notarized signature where indicated.
 - 2. Installer Certificates: Submit written statements on manufacturer's letterhead, certifying that Installer complies with requirements in the Contract Documents and, where required, is authorized by manufacturer for this specific Project.
 - 3. Manufacturer Certificates: Submit written statements on manufacturer's letterhead, certifying that manufacturer complies with requirements in the Contract Documents. Include evidence of manufacturing experience where required.
 - 4. Material Certificates: Submit written statements on manufacturer's letterhead, certifying that material complies with requirements in the Contract Documents.
 - 5. Product Certificates: Submit written statements on manufacturer's letterhead, certifying that product complies with requirements in the Contract Documents.
 - 6. Welding Certificates: Prepare written certification that welding procedures and

personnel comply with requirements in the Contract Documents. Submit record of AWS B2.1/B2.1M on AWS forms. Include names of firms and personnel certified.

- G. Test and Research Reports:
 - a. Testing by Owner.

1.7 CONTRACTOR'S REVIEW

- A. Action Submittals and Informational Submittals: Review each submittal and check for coordination with other Work of the Contract and for compliance with the Contract Documents. Note corrections and field dimensions. Mark with approval stamp before submitting to Architect.
- B. Contractor's Approval: Indicate Contractor's approval for each submittal with a uniform approval stamp. Include name of reviewer, date of Contractor's approval, and statement certifying that submittal has been reviewed, checked, and approved for compliance with the Contract Documents.
 - 1. Architect will not review submittals received from Contractor that do not have Contractor's review and approval.

1.8 ARCHITECT'S AND CONSTRUCTION MANAGER'S REVIEW

- A. Action Submittals: Architect will review each submittal, indicate corrections or revisions required, and return.
 - 1. PDF Submittals: Architect will indicate, via markup on each submittal, the appropriate action.
 - 2. Paper Submittals: Architect will stamp each submittal with an action stamp and will mark stamp appropriately to indicate action.
- B. Informational Submittals: Architect will review each submittal and will not return it, or will return it if it does not comply with requirements. Architect will forward each submittal to appropriate party.
- C. Partial submittals prepared for a portion of the Work will be reviewed when use of partial submittals has received prior approval from Architect.
- D. Incomplete submittals are unacceptable, will be considered nonresponsive, and will be returned for resubmittal without review.
- E. Architect will discard submittals received from sources other than Contractor.
- F. Submittals not required by the Contract Documents will be returned by Architect without action.

PART 2 - PRODUCTS (Not Used) PART 3 - EXECUTION (Not Used)

END OF SECTION 013300

SECTION 015639 - TEMPORARY TREE AND PLANT PROTECTION

PART 1 - GENERAL

1.1 SUMMARY

- A. The Work of this Section Includes: General protection and pruning of existing trees and plants that are affected by execution of the Work, whether temporary or permanent construction.
- B. Related Requirements:
 - 1. Section 311000 "Site Clearing".

1.2 DEFINITIONS

- A. Caliper: Diameter of a trunk measured by a diameter tape at a height 6 inches above the ground for trees up to and including 4-inch size at this height and as measured at a height of 28 inches above the ground for trees larger than 4-inch size.
- B. Caliper (DBH): Diameter breast height; diameter of a trunk as measured by a diameter tape at a height 54 inches above the ground line for trees with caliper of 8 inches.
- C. Tree-Protection Zone: Area surrounding individual trees or groups of trees to be protected during construction and indicated on Drawings.
- D. Vegetation: Trees, shrubs, groundcovers, grass, and other plants.

1.3 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.
 - 1. Review methods and procedures related to temporary tree and plant protection including, but not limited to, the following:
 - a. Tree-service firm's personnel and equipment needed to make progress and avoid delays.
 - b. Arborist's responsibilities.
 - c. Quality-control program.
 - d. Coordination of Work and equipment movement with the locations of protection zones.
 - e. Trenching by hand or with air spade within protection zones.
 - f. Field quality control.

1.4 ACTION SUBMITTALS

- A. Product Data:
 - 1. General protection and pruning of existing trees and plants that are affected by execution of the Work, whether temporary or permanent construction
- B. Shop Drawings:
 - 1. Include plans, elevations, and sections showing trees and plants to be protected, locations of protection-zone fencing and signage, and the relationship between equipment-movement routes and material storage locations with protection zones.
 - 2. Detail fabrication and assembly of protection-zone fencing and signage.
 - 3. Indicate extent of utility boring and trenching by hand or with air spade within protection zones.
 - 4. Include existing irrigation system that will be used to water plants.
- C. Tree-Pruning Schedule: Written schedule detailing scope and extent of pruning of trees to remain that interfere with or are affected by construction.
 - 1. Species and size of tree.
 - 2. Location on site plan. Include unique identifier for each.
 - 3. Reason for pruning.
 - 4. Description of pruning to be performed.
 - 5. Description of maintenance following pruning.
- D. Maintenance Recommendations: From arborist, for care and protection of trees affected by construction during and after completing the Work.
- E. Mitigation Requirements: As required by jurisdiction or as developed by arborist, for mitigation of damage to trees and other plantings. Include the following:
 - 1. Local ordinances governing tree mitigation.
 - 2. Standards established under the approved tree mitigation report developed by the arborist.
 - 3. "Digital Guide for Plant Appraisal" by Council of Tree and Landscape Appraisers.

1.5 INFORMATIONAL SUBMITTALS

- A. Qualification Statements: For arborist and tree service firm.
- B. Certification: From arborist, certifying that trees indicated to remain have been protected during construction in accordance with recognized standards and that trees were promptly and properly treated and repaired when damaged.
- C. Maintenance Recommendations: From arborist, for care and protection of trees affected by construction during and after completing the Work.
- D. Existing Conditions: Documentation of existing trees and plantings indicated to remain,

which establishes preconstruction conditions that might be misconstrued as damage caused by construction activities.

- 1. Use sufficiently detailed photographs or video recordings.
- 2. Include plans and notations to indicate specific wounds and damage conditions of each tree or other plants designated to remain.
- E. Quality-control program.

1.6 QUALITY ASSURANCE

- A. Arborist Qualifications: Certified Arborist as certified by ISA.
- B. Tree-Service Firm Qualifications: An experienced tree-service firm that has successfully completed temporary tree- and plant-protection work similar to that required for this Project and that will assign an experienced, qualified arborist to Project site during execution of the Work.
- C. Quality-Control Program: Prepare a written program to systematically demonstrate the ability of personnel to properly follow procedures and handle materials and equipment during the Work without damaging trees and plantings. Include dimensioned diagrams for placement of protection-zone fencing and signage, the arborist's and tree-service firm's responsibilities, instructions given to workers on the use and care of protection zones, and enforcement of requirements for protection zones.

1.7 FIELD CONDITIONS

- A. The following practices are prohibited within protection zones:
 - 1. Storage of construction materials, debris, or excavated material.
 - 2. Moving or parking vehicles or equipment.
 - 3. Foot traffic.
 - 4. Erection of sheds or structures.
 - 5. Impoundment of water.
 - 6. Excavation or other digging unless otherwise indicated.
 - 7. Attachment of signs to or wrapping materials around trees or plants unless otherwise indicated.
- B. Do not direct vehicle or equipment exhaust toward protection zones.
- C. Prohibit heat sources, flames, ignition sources, and smoking within or near protection zones and organic mulch.
- D. Take precautions to protect plants from airborne contaminants, such as paint or fireproofing overspray.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Protection-Zone Fencing: Fencing fixed in position and meeting the following requirements:
 - Plastic Protection-Zone Fencing: Plastic construction fencing constructed of highdensity extruded and stretched polyethylene fabric with 2-inch maximum opening in pattern and weighing a minimum of 0.4 lb/ft.; remaining flexible from minus 60 to plus 200 deg F; inert to most chemicals and acids; minimum tensile yield strength of 2000 psi and ultimate tensile strength of 2680 psi; secured with plastic bands or galvanized-steel or stainless steel wire ties; and supported by tubular or T-shape galvanized-steel posts spaced not more than 96 inches apart.
 - a. Height: 48 inches.
 - b. Color: High-visibility orange, nonfading.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Erosion and Sedimentation Control: Examine the site to verify that temporary erosionand sedimentation-control measures are in place. Verify that flows of water redirected from construction areas or generated by construction activity do not enter or cross protection zones.
- B. Prepare written report, endorsed by arborist, listing conditions detrimental to tree and plant protection.

3.2 PREPARATION

- A. Locate and clearly identify trees to remain. Do not flag trees to remain.
- B. Protect tree root systems from damage caused by runoff or spillage of noxious materials while mixing, placing, or storing construction materials. Protect root systems from ponding, eroding, or excessive wetting caused by dewatering operations.

3.3 PROTECTION ZONES

A. Protection-Zone Fencing: Install protection-zone fencing along edges of protection zones before materials or equipment are brought on the site and construction operations begin in a manner that will prevent people from easily entering protected areas except by entrance gates. Construct fencing so as not to obstruct safe passage or visibility at vehicle intersections where fencing is located adjacent to pedestrian walkways or in close proximity to street intersections, drives, or other vehicular circulation.

- 1. Plastic Fencing: Stretch fabric taut and secure to posts without bows or sags.
- B. Maintain protection zones free of weeds and trash.
- C. Maintain hydration of trees to assure plant survival. Water trees regularly according to City of Spokane Urban Forestry standards.
- D. Maintain protection-zone fencing and signage in good condition as acceptable to Architect and remove when construction operations are complete and equipment has been removed from the site.
 - 1. Do not remove protection-zone fencing, even temporarily, to allow deliveries or equipment access through the protection zone.
 - 2. Temporary access is permitted subject to preapproval in writing by arborist if a root buffer effective against soil compaction is constructed as directed by arborist. Maintain root buffer so long as access is permitted.

3.4 EXCAVATION

- A. General: Excavate at edge of protection zones and for trenches indicated within protection zones in accordance with requirements in Section 312000 "Earth Moving" unless otherwise indicated.
- B. Trenching within Protection Zones: Where utility trenches are required within protection zones, excavate under or around tree roots by hand or with air spade, or tunnel under the roots by drilling, auger boring, or pipe jacking. Do not cut main lateral tree roots or taproots; cut only smaller roots that interfere with installation of utilities. Cut roots as required for root pruning. If excavating by hand, use narrow-tine spading forks to comb soil and expose roots.

3.5 ROOT PRUNING

- A. Prune tree roots that are affected by temporary and permanent construction. Prune roots as indicated on Drawings and as follows:
 - 1. Cut roots manually by digging a trench and cutting exposed roots with sharp pruning instruments; do not break, tear, chop, or slant the cuts. Do not use a backhoe or other equipment that rips, tears, or pulls roots.
 - 2. Cut Ends: Do not paint cut root ends.
 - 3. Temporarily support and protect roots from damage until they are permanently covered with soil.
 - 4. Cover exposed roots with burlap and water regularly.
 - 5. Backfill as soon as possible in accordance with requirements in Section 312000 "Earth Moving."
- B. Root Pruning at Edge of Protection Zone: Prune tree roots flush with the edge of the

protection zone by cleanly cutting all roots to the depth of the required excavation.

C. Root Pruning within Protection Zone: Clear and excavate by hand or with air spade to the depth of the required excavation to minimize damage to tree root systems. If excavating by hand, use narrow-tine spading forks to comb soil to expose roots. Cleanly cut roots as close to excavation as possible.

3.6 CROWN PRUNING

- A. Prune branches that are affected by temporary and permanent construction. Prune branches as directed by arborist.
 - 1. Prune to remove only injured, broken, dying, or dead branches unless otherwise indicated. Do not prune for shape unless otherwise indicated.
 - 2. Do not remove or reduce living branches to compensate for root loss caused by damaging or cutting root system.
 - 3. Pruning Standards: Prune trees in accordance with ANSI A300 (Part 1).
 - a. Type of Pruning: Clearance pruning for equipment access up to a maximum of 14' clearance all around, if required by Owner.
- B. Unless otherwise directed by arborist and acceptable to Architect, do not cut tree leaders.
- C. Cut branches with sharp pruning instruments; do not break or chop.
- D. Do not paint or apply sealants to wounds.
- E. Provide subsequent maintenance pruning during Contract period as recommended by arborist.
- F. Chip removed branches and dispose of off-site.

3.7 REGRADING

- A. Lowering Grade: Where new finish grade is indicated below existing grade around trees, slope grade beyond the protection zone. Maintain existing grades within the protection zone.
- B. Lowering Grade within Protection Zone: Where new finish grade is indicated below existing grade around trees, slope grade away from trees as recommended by arborist unless otherwise indicated.
 - 1. Root Pruning: Prune tree roots exposed by lowering the grade. Do not cut main lateral roots or taproots; cut only smaller roots. Cut roots as required for root pruning.
- C. Raising Grade: Where new finish grade is indicated above existing grade around trees, slope grade beyond the protection zone. Maintain existing grades within the protection

zone.

D. Minor Fill within Protection Zone: Where existing grade is 2 inches or less below elevation of finish grade, fill. Place planting soil in a single uncompacted layer and hand grade to required finish elevations.

3.8 FIELD QUALITY CONTROL

A. Inspections: Engage a qualified arborist to direct plant-protection measures in the vicinity of trees, shrubs, and other vegetation indicated to remain and to prepare inspection reports.

3.9 REPAIR AND REPLACEMENT

- A. General: Repair or replace trees, shrubs, and other vegetation indicated to remain or to be relocated that are damaged by construction operations, in a manner approved by Architect.
 - 1. Submit details of proposed pruning and repairs.
 - 2. Perform repairs of damaged trunks, branches, and roots within 24 hours in accordance with arborist's written instructions.
 - 3. Replace trees and other plants that cannot be repaired and restored to fullgrowth status, as determined by Architect.

END OF SECTION 015639

SECTION 017700 - CLOSEOUT PROCEDURES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes administrative and procedural requirements for Contract closeout, including, but not limited to, the following:
 - 1. Substantial Completion procedures.
 - 2. Final Completion procedures.
 - 3. List of incomplete items.
 - 4. Submittal of Project warranties.
 - 5. Final cleaning.
- B. Related Requirements:
 - 1. Section 012900 "Payment Procedures" for requirements for Applications for Payment for Substantial Completion and Final Completion.
 - 2. Section 017839 "Project Record Documents" for submitting Record Drawings, Record Specifications, and Record Product Data.

1.2 DEFINITIONS

A. List of Incomplete Items: Contractor-prepared list of items to be completed or corrected, prepared for the Architect's use prior to Architect's inspection, to determine if the Work is substantially complete.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of cleaning agent.
- B. Contractor's List of Incomplete Items: Initial submittal at Substantial Completion.
- C. Certified List of Incomplete Items: Final submittal at Final Completion.

1.4 CLOSEOUT SUBMITTALS

- A. Certificates of Release: From authorities having jurisdiction.
- B. Certificate of Insurance: For continuing coverage.
- C. Field Report: For pest-control inspection.

1.5 MAINTENANCE MATERIAL SUBMITTALS

A. Schedule of Maintenance Material Items: For maintenance material submittal items required by other Sections.

1.6 SUBSTANTIAL COMPLETION PROCEDURES

- A. Contractor's List of Incomplete Items: Prepare and submit a list of items to be completed and corrected (Contractor's "punch list"), indicating the value of each item on the list and reasons why the Work is incomplete.
- B. Submittals Prior to Substantial Completion: Complete the following a minimum of 10 days prior to requesting inspection for determining date of Substantial Completion. List items below that are incomplete at time of request.
 - 1. Certificates of Release: Obtain and submit releases from authorities having jurisdiction, permitting Owner unrestricted use of the Work and access to services and utilities. Include occupancy permits, operating certificates, and similar releases.
 - 2. Submit closeout submittals specified in other Division 01 Sections, including Project Record Documents, operation and maintenance manuals, damage or settlement surveys, property surveys, and similar final record information.
 - 3. Submit closeout submittals specified in individual Sections, including specific warranties, workmanship bonds, maintenance service agreements, final certifications, and similar documents.
 - 4. Submit maintenance material submittals specified in individual Sections, including tools, spare parts, extra materials, and similar items, and deliver to location designated by Architect. Label with manufacturer's name and model number.
 - a. Schedule of Maintenance Material Items: Prepare and submit schedule of maintenance material submittal items, including name and quantity of each item and name and number of related Specification Section. Obtain Owner's signature for receipt of submittals.
 - 5. Submit testing records.
 - 6. Submit changeover information related to Owner's occupancy, use, operation, and maintenance.
- C. Procedures Prior to Substantial Completion: Complete the following a minimum of five days prior to requesting inspection for determining date of Substantial Completion. List items below that are incomplete at time of request.
 - 1. Complete startup and testing of systems and equipment.
 - 2. Perform preventive maintenance on equipment used prior to Substantial Completion.
 - 3. Terminate and remove temporary facilities from Project site, along with construction tools, and similar elements.
 - 4. Complete final cleaning requirements.

- 5. Touch up paint and otherwise repair and restore marred exposed finishes to eliminate visual defects.
- D. Inspection: Submit a written request for inspection to determine Substantial Completion a minimum of five days prior to date the Work will be completed and ready for final inspection and tests. On receipt of request, Architect will either proceed with inspection or notify Contractor of unfulfilled requirements. Architect will prepare the Certificate of Substantial Completion after inspection or will notify Contractor of items, either on Contractor's list or additional items identified by Architect, that must be completed or corrected before certificate will be issued.
 - 1. Request reinspection when the Work identified in previous inspections as incomplete is completed or corrected.
 - 2. Results of completed inspection will form the basis of requirements for Final Completion.

1.7 FINAL COMPLETION PROCEDURES

- A. Submittals Prior to Final Completion: Before requesting final inspection for determining Final Completion, complete the following:
 - 1. Submit a final Application for Payment in accordance with Section 012900 "Payment Procedures."
 - 2. Certified List of Incomplete Items: Submit certified copy of Architect's Substantial Completion inspection list of items to be completed or corrected (punch list), endorsed and dated by Architect. Certified copy of the list will state that each item has been completed or otherwise resolved for acceptance.
 - 3. Certificate of Insurance: Submit evidence of final, continuing insurance coverage complying with insurance requirements.
- B. Inspection: Submit a written request for final inspection to determine acceptance a minimum of 10 days prior to date the Work will be completed and ready for final inspection and tests. On receipt of request, Architect will either proceed with inspection or notify Contractor of unfulfilled requirements. Architect will prepare a final Certificate for Payment after inspection or will notify Contractor of construction that must be completed or corrected before certificate will be issued.
 - 1. Request reinspection when the Work identified in previous inspections as incomplete is completed or corrected.

1.8 LIST OF INCOMPLETE ITEMS

- A. Organization of List: Include name and identification of each space and area affected by construction operations for incomplete items and items needing correction including, if necessary, areas disturbed by Contractor that are outside the limits of construction.
 - 1. Include the following information at the top of each page:

- a. Project name.
- b. Date.
- c. Name of Architect.
- d. Name of Contractor.
- e. Page number.

1.9 SUBMITTAL OF PROJECT WARRANTIES

- A. Time of Submittal: Submit written warranties on request of Architect for designated portions of the Work where warranties are indicated to commence on dates other than date of Substantial Completion, or when delay in submittal of warranties might limit Owner's rights under warranty.
- B. Organize warranty documents into an orderly sequence based on the table of contents of Project Manual.
- C. Warranty Electronic File: Provide warranties and bonds in PDF format. Assemble complete warranty and bond submittal package into a single electronic PDF file with bookmarks enabling navigation to each item. Provide bookmarked table of contents at beginning of document.
 - 1. Submit by email to Architect.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Cleaning Agents: Use cleaning materials and agents recommended by manufacturer or fabricator of the surface to be cleaned. Do not use cleaning agents that are potentially hazardous to health or property or that might damage finished surfaces.

PART 3 - EXECUTION

3.1 FINAL CLEANING

- A. General: Perform final cleaning. Conduct cleaning and waste-removal operations to comply with local laws and ordinances and Federal and local environmental and antipollution regulations.
- B. Cleaning: Employ experienced workers or professional cleaners for final cleaning. Comply with manufacturer's written instructions.
 - 1. Complete the following cleaning operations before requesting inspection for certification of Substantial Completion for entire Project or for a designated portion of Project:

- a. Clean Project site of rubbish, waste material, litter, and other foreign substances.
- b. Sweep and wash paved areas broom clean. Remove petrochemical spills, stains, and other foreign deposits.
- c. Rake grounds that are not planted, mulched, or paved to a smooth, eventextured surface.
- d. Remove tools, construction equipment, machinery, and surplus material from Project site.
- e. Remove snow and ice to provide safe access to building.
- f. Remove labels that are not permanent.
- g. Wipe surfaces of mechanical and electrical equipment and similar equipment. Remove excess lubrication, paint and mortar droppings, and other foreign substances.
- h. Clean luminaires to function with full efficiency.
- i. Leave Project clean and ready for occupancy.

3.2 CORRECTION OF THE WORK

A. Complete repair and restoration operations required by "Correction of the Work" Article in Section 017300 "Execution" before requesting inspection for determination of Substantial Completion.

END OF SECTION 017700

SECTION 017839 - PROJECT RECORD DOCUMENTS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes administrative and procedural requirements for Project Record Documents, including the following:
 - 1. Record Drawings.
- B. Related Requirements:
 - 1. Section 017700 "Closeout Procedures" for general closeout procedures.

1.2 CLOSEOUT SUBMITTALS

- A. Record Drawings: Comply with the following:
 - 1. Number of Copies: Submit one set(s) of marked-up record prints.
 - 2. Number of Copies: Submit copies of Record Drawings as follows:
 - a. Initial Submittal:
 - 1) Submit PDF electronic files of scanned record prints and .
 - 2) Architect will indicate whether general scope of changes, additional information recorded, and quality of drafting are acceptable.
 - b. Final Submittal:
 - 1) Submit PDF electronic files of scanned Record Prints and .
- B. Reports: Submit written report weekly indicating items incorporated into Project Record Documents concurrent with progress of the Work, including revisions, concealed conditions, field changes, product selections, and other notations incorporated.

1.3 RECORD DRAWINGS

- A. Record Prints: Maintain one set of marked-up paper copies of the Contract Drawings and Shop Drawings, incorporating new and revised drawings as modifications are issued.
 - 1. Preparation: Mark record prints to show the actual installation, where installation varies from that shown originally. Require individual or entity who obtained record data, whether individual or entity is Installer, subcontractor, or similar entity, to provide information for preparation of corresponding marked-up record prints.

- a. Give particular attention to information on concealed elements that would be difficult to identify or measure and record later.
- b. Accurately record information in an acceptable drawing technique.
- c. Record data as soon as possible after obtaining it.
- d. Record and check the markup before enclosing concealed installations.
- e. Cross-reference record prints to corresponding photographic documentation.
- 2. Content: Types of items requiring marking include, but are not limited to, the following:
 - a. Dimensional changes to Drawings.
 - b. Revisions to details shown on Drawings.
 - c. Depths of foundations.
 - d. Locations and depths of underground utilities.
 - e. Revisions to routing of piping and conduits.
 - f. Revisions to electrical circuitry.
 - g. Actual equipment locations.
 - h. Changes made by Change Order or Construction Change Directive.
 - i. Changes made following Architect's written orders.
 - j. Details not on the original Contract Drawings.
 - k. Field records for variable and concealed conditions.
 - I. Record information on the Work that is shown only schematically.
- 3. Mark the Contract Drawings and Shop Drawings completely and accurately. Use personnel proficient at recording graphic information in production of marked-up record prints.
- 4. Mark record prints with erasable, red-colored pencil. Use other colors to distinguish between changes for different categories of the Work at same location.
- 5. Mark important additional information that was either shown schematically or omitted from original Drawings.
- 6. Note Construction Change Directive numbers, alternate numbers, Change Order numbers, and similar identification, where applicable.
- B. Format: Identify and date each Record Drawing; include the designation "PROJECT RECORD DRAWING" in a prominent location.
 - 1. Record Prints: Organize record prints into manageable sets. Bind each set with durable paper cover sheets. Include identification on cover sheets.
 - 2. Format: Annotated PDF electronic file with comment function enabled.
 - 3. Identification: As follows:
 - a. Project name.
 - b. Date.
 - c. Designation "PROJECT RECORD DRAWINGS."
 - d. Name of Architect.
 - e. Name of Contractor.

1.4 MAINTENANCE OF RECORD DOCUMENTS

- A. Maintenance of Record Documents: Store Record Documents in the field office apart from the Contract Documents used for construction. Do not use Project Record Documents for construction purposes. Maintain Record Documents in good order and in a clean, dry, legible condition, protected from deterioration and loss. Provide access to Project Record Documents for Architect's reference during normal working hours.
- PART 2 PRODUCTS (Not Used)
- PART 3 EXECUTION (Not Used)

END OF SECTION 017839

SECTION 024119 - SELECTIVE DEMOLITION

PART 1 - GENERAL

1.1 SUMMARY

- A. The Work of this Section Includes:
 - 1. Demolition and removal of selected portions of exterior site elements.
 - 2. Removal and salvage of existing items for delivery to Owner and removal of existing items for reinstallation.
- B. Related Requirements:
 - 1. Section 011000 "Summary" for restrictions on use of the premises, Owneroccupancy requirements, and phasing requirements.
 - 2. Section 015639 "Temporary Tree and Plant Protection" for temporary protection of existing trees and plants that are affected by selective demolition.
 - 3. Section 311000 "Site Clearing" for site clearing and removal of above- and below-grade improvements not part of selective demolition.

1.2 DEFINITIONS

- A. Remove: Detach items from existing construction and legally dispose of off-site unless indicated to be removed and salvaged or removed and reinstalled.
- B. Remove and Salvage: Detach items from existing construction, in a manner to prevent damage, and deliver to Owner as indicated.
- C. Remove and Reinstall: Detach items from existing construction, in a manner to prevent damage; prepare for reuse; and reinstall where indicated.
- D. Existing to Remain: Existing items of construction that are not to be removed.

1.3 MATERIALS OWNERSHIP

- A. Unless otherwise indicated, demolition waste becomes property of Contractor.
- B. Historic items, relics, antiques, and similar objects including, but not limited to, cornerstones and their contents, commemorative plaques and tablets, and other items of interest or value to Owner that may be uncovered during demolition remain the property of Owner.
 - 1. Carefully salvage in a manner to prevent damage and promptly return to Owner.

1.4 COORDINATION

A. Arrange selective demolition schedule so as not to interfere with Owner's operations.

1.5 PREINSTALLATION MEETINGS

- A. Pre-demolition Conference: Conduct conference at Project site.
 - 1. Inspect and discuss condition of construction to be selectively demolished.
 - 2. Review areas where existing construction is to remain and requires protection.
 - 3. Review and finalize protection requirements.
 - 4. Review procedures for noise control, and, dust control.
 - 5. Review storage, protection, and accounting for items to be removed for salvage or reinstallation.

1.6 INFORMATIONAL SUBMITTALS

- A. Survey of Existing Conditions: Survey complete as indicated on Drawings and provided by Owner.
- B. Proposed Protection Measures: Submit report, including Drawings, that indicates the measures proposed for protecting individuals and property, for environmental protection, for dust control, and, for noise control. Indicate proposed locations and construction of barriers.
- C. Schedule of Selective Demolition Activities: Indicate the following:
 - 1. Detailed sequence of selective demolition and removal work, with starting and ending dates for each activity. Ensure Owner's on-site operations are uninterrupted.
 - 2. Temporary interruption of utility services. Indicate how long utility services will be interrupted.
 - 3. Coordination for shutoff, capping, and continuation of utility services.
 - 4. Coordination of Owner's continuing occupancy of portions of existing park and of Owner's partial occupancy of completed Work.

1.7 CLOSEOUT SUBMITTALS

- A. Inventory: Submit a list of items that have been removed and salvaged.
- B. Landfill Records: Indicate receipt and acceptance of hazardous wastes by a landfill facility licensed to accept hazardous wastes.

1.8 FIELD CONDITIONS

A. Conditions existing at time of inspection for bidding purpose will be maintained by Owner as far as practical.

- 1. Before selective demolition, Owner will remove the following items:
 - a. Basketball backboards and nets.
 - b. Garbage cans.
- B. Notify Owner of discrepancies between existing conditions and Drawings before proceeding with selective demolition.
- C. Hazardous Materials:
 - 1. It is not expected that hazardous materials will be encountered in the Work.
 - a. If materials suspected of containing hazardous materials are encountered, do not disturb; immediately notify Owner. Hazardous materials will be removed by Owner under a separate contract.
- D. Cultural Resources:
 - 1. It is not expected that cultural resources will be encountered in the Work. If cultural resources are encountered, reference the Unanticipated Discover Plan provided by the Owner.
- E. On-site sale of removed items or materials is not permitted.
- F. Utility Service: Maintain existing utilities indicated to remain in service and protect them against damage during selective demolition operations.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Regulatory Requirements: Comply with governing Spokane Regional Clean Air Agency and EPA notification regulations before beginning selective demolition. Comply with hauling and disposal regulations of authorities having jurisdiction.
- B. Standards: Comply with ANSI/ASSP A10.6 and NFPA 241.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verify that utilities have been disconnected and capped before starting selective demolition operations.
- B. Survey of Existing Conditions: Record existing conditions by use of preconstruction photographs or video. Comply with Section 013233 "Photographic Documentation."

- 1. Inventory and record the condition of items to be removed for salvage or reinstallation. Photograph or video conditions that might be misconstrued as damage caused by removal.
- 2. Photograph or video existing conditions of adjoining construction including finish surfaces, that might be misconstrued as damage caused by selective demolition operations or removal of items for salvage or reinstallation.
- C. When unanticipated mechanical, electrical, or structural elements that conflict with intended function or design are encountered, investigate and measure the nature and extent of conflict. Promptly submit a written report to Owner.
- D. Owner Salvage: Owner will salvage materials on site. Contractor should coordinate with Owner with regards to scheduling of salvage operations.
- E. Contractor Salvage: Items remaining after owner salvage operations are complete may be salvaged or demolished, as determined by the Contractor.

3.2 PREPARATION

- A. Temporary Protection: Provide temporary barricades and other protection required to prevent injury to people and damage to adjacent park amenities and facilities to remain.
 - 1. Provide protection to ensure safe passage of people around selective demolition area and to and from occupied portions of the park.

3.3 UTILITY SERVICES AND BUILDING SYSTEMS

- A. Existing Services/Systems to Remain: Maintain utilities and equipment to remain and protect against damage during selective demolition operations.
- B. Existing Services/Systems to Be Removed, Relocated, or Abandoned: Locate, identify, disconnect, and seal or cap off utilities serving areas to be selectively demolished.
 - 1. Arrange to shut off utilities with utility companies.
 - 2. If disconnection of utilities will affect adjacent occupied facilities, provide temporary services/systems that bypass area of selective demolition and that maintain continuity of services/systems to those facilities.
 - 3. Abandon existing equipment, and components indicated on Drawings to be abandoned in place.
 - a. Piping to Be Abandoned in Place: Drain piping and cap or plug piping with same or compatible piping material and leave in place.

3.4 SALVAGE/REINSTALL

A. Removed and Salvaged Items:

- 1. Clean salvaged items.
- 2. Store items in a secure area on site.
- 3. Protect items from damage during storage.
- B. Removed and Reinstalled Items:
 - 1. Clean and repair items to functional condition adequate for intended reuse.
 - 2. Protect items from damage during storage.
 - 3. Reinstall items in locations indicated. Comply with installation requirements for new materials and equipment. Provide connections, supports, and miscellaneous materials necessary to make item functional for use indicated.

3.5 SELECTIVE DEMOLITION, GENERAL

- A. Site Access and Temporary Controls: Conduct selective demolition and debris-removal operations to ensure minimum interference with roads, streets, walks, walkways, and other adjacent occupied and used facilities.
 - 1. Do not close or obstruct streets, walks, walkways, or other adjacent occupied or used facilities without permission from Owner and authorities having jurisdiction. Provide alternate routes around closed or obstructed trafficways if required by authorities having jurisdiction.
 - 2. Use water mist and other suitable methods to limit spread of dust and dirt. Comply with governing environmental-protection regulations. Do not use water when it may damage adjacent construction or create hazardous or objectionable conditions, such as ice, flooding, and pollution.
- B. Removal depths:
 - 1. Hardscape areas: Up to 10" beneath and surrounding proposed hardscape areas finished grade, to cover profiles as indicated on Drawings.
 - 2. Turf areas: Up to 4" beneath and surrounding proposed turf areas finished grade, to cover profiles as indicated on Drawings.
 - 3. Planting bed areas: Up to 6" beneath and surrounding proposed planting bed areas finished grade, to cover profiles as indicated on Drawings.

3.6 SELECTIVE DEMOLITION PROCEDURES FOR SPECIFIC MATERIALS

- A. Concrete and Asphalt:
 - 1. Demolish in sections. Cut or break concrete and asphalt paving full depth at junctures with construction to remain and at regular intervals using power-driven saw, heavy equipment and then remove concrete between saw cuts.
- B. Concrete Slabs-on-Grade: Saw-cut perimeter of area to be demolished where adjacent to concrete to remain, and then break up and remove.

3.7 DISPOSAL OF DEMOLISHED MATERIALS

- A. Remove demolition waste materials from Project site and dispose of them in an EPAapproved construction and demolition waste landfill acceptable to authorities having jurisdiction.
 - 1. Do not allow demolished materials to accumulate on-site.
 - 2. Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas.
- B. Burning: Do not burn demolished materials.
- 3.8 CLEANING
 - A. Clean adjacent structures and improvements of dust, dirt, and debris caused by selective demolition operations. Return adjacent areas to condition existing before selective demolition operations began.

END OF SECTION 024119

SECTION 311000 - SITE CLEARING

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Protecting existing vegetation to remain.
 - 2. Removing existing vegetation.
 - 3. Clearing and grubbing.
 - 4. Stripping and stockpiling topsoil.
 - 5. Stripping and stockpiling rock.
 - 6. Removing above- and below-grade site improvements.
 - 7. Disconnecting, capping or sealing, and removing site utilities.
 - 8. Temporary erosion and sedimentation control.
- B. Related Requirements:

1.2 DEFINITIONS

- A. Subsoil: Soil beneath the level of subgrade; soil beneath the topsoil layers of a naturally occurring soil profile, typified by less than 1 percent organic matter and few soil organisms.
- B. Surface Soil: Soil that is present at the top layer of the existing soil profile. In undisturbed areas, surface soil is typically called "topsoil," but in disturbed areas such as urban environments, the surface soil can be subsoil.
- C. Topsoil: Top layer of the soil profile consisting of existing native surface topsoil or existing in-place surface soil; the zone where plant roots grow.
- D. Tree-Protection Zone: Area surrounding individual trees or groups of trees to be protected during construction and indicated on Drawings.
- E. Vegetation: Trees, shrubs, groundcovers, grass, and other plants.

1.3 PREINSTALLATION MEETINGS

A. Preinstallation Conference: Conduct conference at Project site.

1.4 MATERIAL OWNERSHIP

A. Except for materials indicated to be stockpiled or otherwise remain Owner's property, cleared materials shall become Contractor's property and shall be removed from

Project site.

1.5 INFORMATIONAL SUBMITTALS

- A. Existing Conditions: Documentation of existing trees and plantings, adjoining construction, and site improvements that establishes preconstruction conditions that might be misconstrued as damage caused by site clearing.
 - 1. Include plans and notations to indicate specific wounds and damage conditions of each tree or other plant designated to remain.
- B. Topsoil stripping and stockpiling program.
- C. Rock stockpiling program.
- D. Record Drawings: Identifying and accurately showing locations of capped utilities and other subsurface structural, electrical, and mechanical conditions.
- E. Burning: Documentation of compliance with burning requirements and permitting of authorities having jurisdiction. Identify location(s) and conditions under which burning will be performed.

1.6 QUALITY ASSURANCE

- A. Topsoil Stripping and Stockpiling Program: Prepare a written program to systematically demonstrate the ability of personnel to properly follow procedures and handle materials and equipment during the Work. Include dimensioned diagrams for placement and protection of stockpiles.
- B. Rock Stockpiling Program: Prepare a written program to systematically demonstrate the ability of personnel to properly follow procedures and handle materials and equipment during the Work. Include dimensioned diagrams for placement and protection of stockpiles.

1.7 FIELD CONDITIONS

- A. Traffic: Minimize interference with adjoining roads, streets, walks, public on-street parking and other adjacent occupied or used facilities during site-clearing operations.
 - 1. Do not close or obstruct streets, walks, public on-street parking or other adjacent occupied or used facilities without permission from Owner and authorities having jurisdiction.
 - 2. Provide alternate routes around closed or obstructed trafficways if required by Owner or authorities having jurisdiction.
- B. Salvageable Improvements: Carefully remove items indicated to be salvaged and store on Owner's premises where indicated.

- C. Utility Locator Service: Notify utility locator service for area where Project is located before site clearing.
- D. Do not commence site clearing operations until temporary erosion- and sedimentationcontrol and plant-protection measures are in place.
- E. Tree- and Plant-Protection Zones: Protect according to requirements in Section 015639 "Temporary Tree and Plant Protection."
- F. Soil Stripping, Handling, and Stockpiling: Perform only when the soil is dry or slightly moist.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Satisfactory Soil Material: Requirements for satisfactory soil material are specified in Section 312000 "Earth Moving."
 - 1. Obtain approved borrow soil material off-site when satisfactory soil material is not available on-site.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Protect and maintain benchmarks and survey control points from disturbance during construction.
- B. Verify that trees, shrubs, and other vegetation to remain or to be relocated have been flagged and that protection zones have been identified and enclosed according to requirements in Section 015639 "Temporary Tree and Plant Protection."
- C. Protect existing site improvements to remain from damage during construction.
 - 1. Restore damaged improvements to their original condition, as acceptable to Owner.

3.2 TEMPORARY EROSION AND SEDIMENTATION CONTROL

- A. Provide temporary erosion- and sedimentation-control measures to prevent soil erosion and discharge of soil-bearing water runoff or airborne dust to adjacent properties and walkways, according to erosion- and sedimentation-control Drawings and requirements of authorities having jurisdiction.
- B. Verify that flows of water redirected from construction areas or generated by

construction activity do not enter or cross protection zones.

- C. Inspect, maintain, and repair erosion- and sedimentation-control measures during construction until permanent vegetation has been established.
- D. Remove erosion and sedimentation controls, and restore and stabilize areas disturbed during removal.

3.3 TREE AND PLANT PROTECTION

- A. Protect trees and plants remaining on-site according to requirements in Section 015639 "Temporary Tree and Plant Protection."
- B. Repair or replace trees, shrubs, and other vegetation indicated to remain or be relocated that are damaged by construction operations according to requirements in Section 015639 "Temporary Tree and Plant Protection."

3.4 EXISTING UTILITIES

- A. Owner will arrange for disconnecting and sealing indicated utilities that serve existing structures before site clearing, when requested by Contractor.
 - 1. Verify that utilities have been disconnected and capped before proceeding with site clearing.
- B. Locate, identify, disconnect, and seal or cap utilities indicated to be removed or abandoned in place.
 - 1. Owner will arrange to shut off indicated utilities when requested by Contractor.
- C. Locate, identify, and disconnect utilities indicated to be abandoned in place.
- D. Interrupting Existing Utilities: Do not interrupt utilities serving facilities occupied by Owner or others, unless permitted under the following conditions and then only after arranging to provide temporary utility services according to requirements indicated:
 - 1. Notify Architect not less than two days in advance of proposed utility interruptions.
 - 2. Do not proceed with utility interruptions without Architect's written permission.
- E. Excavate for and remove underground utilities indicated to be removed.

3.5 CLEARING AND GRUBBING

- A. Remove obstructions, trees, shrubs, and other vegetation to permit installation of new construction.
 - 1. Do not remove trees, shrubs, and other vegetation indicated to remain or to be

relocated.

- 2. Grind down or excavate stumps and remove roots larger than 2 inches in diameter, obstructions, and debris to a depth of 18 inches below exposed subgrade.
- 3. Use only hand methods or air spade for grubbing within protection zones.
- 4. Chip removed tree branches and dispose of off-site.
- B. Fill depressions caused by clearing and grubbing operations with satisfactory soil material unless further excavation or earthwork is indicated.
 - 1. Place fill material in horizontal layers not exceeding a loose depth of 8 inches, and compact each layer to a density equal to adjacent original ground.

3.6 TOPSOIL STRIPPING

- A. Remove sod and grass before stripping topsoil.
- B. Strip topsoil to depth indicated on Drawings in a manner to prevent intermingling with underlying subsoil or other waste materials.
 - 1. Remove subsoil and nonsoil materials from topsoil, including clay lumps, gravel, and other objects larger than 2 inches in diameter; trash, debris, weeds, roots, and other waste materials.
- C. Stockpile topsoil away from edge of excavations without intermixing with subsoil or other materials. Grade and shape stockpiles to drain surface water. Cover to prevent windblown dust and erosion by water.
 - 1. Limit height of topsoil stockpiles to 72 inches.
 - 2. Do not stockpile topsoil within protection zones.
 - 3. Dispose of surplus topsoil. Surplus topsoil is that which exceeds quantity indicated to be stockpiled or reused.
 - 4. Stockpile surplus topsoil to allow for respreading deeper topsoil.

3.7 STOCKPILING ROCK

- A. Remove from area indicated on Drawings naturally formed rocks that measure more than 1 foot across in least dimension. Do not include excavated or crushed rock.
 - 1. Separate or wash off non-rock materials from rocks, including soil, clay lumps, gravel, and other objects larger than 2 inches in diameter; trash, debris, weeds, roots, and other waste materials.
- B. Stockpile rock away from edge of excavations without intermixing with other materials. Cover to prevent windblown debris from accumulating among rocks.
 - 1. Limit height of rock stockpiles to 36 inches.
 - 2. Do not stockpile rock within protection zones.
 - 3. Dispose of surplus rock. Surplus rock is that which exceeds quantity indicated to

be stockpiled or reused.

4. Stockpile surplus rock to allow later use by the Owner.

3.8 SITE IMPROVEMENTS

- A. Remove existing above- and below-grade improvements as indicated and necessary to facilitate new construction.
- B. Remove slabs, paving, and aggregate base as indicated.
 - 1. Unless existing full-depth joints coincide with line of demolition, neatly saw-cut along line of existing pavement to remain before removing adjacent existing pavement. Saw-cut faces vertically.
 - 2. Paint cut ends of steel reinforcement in concrete to remain with two coats of antirust coating, following coating manufacturer's written instructions. Keep paint off surfaces that will remain exposed.

3.9 DISPOSAL OF SURPLUS AND WASTE MATERIALS

- A. Remove surplus soil material, unsuitable topsoil, obstructions, demolished materials, and waste materials including trash and debris, and legally dispose of them off Owner's property.
- B. Separate recyclable materials produced during site clearing from other nonrecyclable materials. Store or stockpile without intermixing with other materials, and transport them to recycling facilities. Do not interfere with other Project work.

END OF SECTION 311000

SECTION 312000 - EARTH MOVING

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Excavating and filling for rough grading the Site.
 - 2. Preparing subgrades for slabs-on-grade, walks, pavements, turf and grasses, and, plants.
 - 3. Drainage course for concrete slabs-on-grade.
 - 4. Subbase course for concrete walks.
 - 5. Subsurface drainage backfill for walls and trenches.
 - 6. Excavating and backfilling trenches for utilities and pits for buried utility structures.
- B. Related Requirements:
 - 1. Section 311000 "Site Clearing" for site stripping, grubbing, stripping and stockpiling topsoil, and removal of above- and below-grade improvements and utilities.
 - 2. Section 329200 "Turf and Grasses" for finish grading in turf and grass areas, including preparing and placing planting soil for turf areas.
 - 3. Section 329300 "Plants" for finish grading in planting areas and tree and shrub pit excavation and planting.

1.2 DEFINITIONS

- A. Backfill: Soil material or controlled low-strength material used to fill an excavation.
 - 1. Initial Backfill: Backfill placed beside and over pipe in a trench, including haunches to support sides of pipe.
 - 2. Final Backfill: Backfill placed over initial backfill to fill a trench.
- B. Base Course: Aggregate layer placed between the subbase course and hot-mix asphalt paving.
- C. Bedding Course: Aggregate layer placed over the excavated subgrade in a trench before laying pipe.
- D. Borrow Soil: Satisfactory soil imported from off-site for use as fill or backfill.
- E. Drainage Course: Aggregate layer supporting the slab-on-grade that also minimizes upward capillary flow of pore water.
- F. Excavation: Removal of material encountered above subgrade elevations and to lines

and dimensions indicated.

- G. Fill: Soil materials used to raise existing grades.
- H. Structures: Buildings, footings, foundations, retaining walls, slabs, tanks, curbs, mechanical and electrical appurtenances, or other fabricated stationary features constructed above or below the ground surface.
- I. Subbase Course: Aggregate layer placed between the subgrade and base course for hot-mix asphalt pavement, or aggregate layer placed between the subgrade and a cement concrete pavement or a cement concrete or hot-mix asphalt walk.
- J. Subgrade: Uppermost surface of an excavation or the top surface of a fill or backfill immediately below subbase, drainage fill, drainage course, or topsoil materials.
- K. Utilities: On-site underground pipes, conduits, ducts, and cables as well as underground services within buildings.

1.3 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct pre-excavation conference at Project site.
 - 1. Review methods and procedures related to earthmoving, including, but not limited to, the following:
 - a. Personnel and equipment needed to make progress and avoid delays.
 - b. Coordination of Work with utility locator service.
 - c. Coordination of Work and equipment movement with the locations of treeand plant-protection zones.
 - d. Extent of trenching by hand or with air spade.
 - e. Field quality control.

1.4 ACTION SUBMITTALS

- A. Product Data: For each type of the following manufactured products required:
 - 1. Geotextiles.
 - 2. Controlled low-strength material, including design mixture.
 - 3. Warning tapes.
- B. Samples for Verification: For the following products, in sizes indicated below:
 - 1. Geotextile: 12 by 12 inches.
 - 2. Warning Tape: 12 inches long; of each color.
- 1.5 INFORMATIONAL SUBMITTALS
 - A. Qualification Data: For qualified testing agency.

- B. Material Test Reports: For each on-site soil material proposed for fill and backfill as follows:
 - 1. Classification according to ASTM D2487.
 - 2. Laboratory compaction curve according to ASTM D1557.

1.6 FIELD CONDITIONS

- A. Traffic: Minimize interference with adjoining roads, streets, walks, and other adjacent occupied or used facilities during earth-moving operations.
 - 1. Do not close or obstruct streets, walks, or other adjacent occupied or used facilities without permission from Owner and authorities having jurisdiction.
 - 2. Provide alternate routes around closed or obstructed traffic ways if required by Owner or authorities having jurisdiction.
- B. Utility Locator Service: Notify utility locator service for area where Project is located before beginning earth-moving operations.
- C. Do not commence earth-moving operations until temporary site fencing and erosionand sedimentation-control measures specified in Section 311000 "Site Clearing" are in place.
- D. Do not commence earth-moving operations until plant-protection measures specified in Section 015639 "Temporary Tree and Plant Protection" are in place.
- E. The following practices are prohibited within protection zones:
 - 1. Storage of construction materials, debris, or excavated material.
 - 2. Parking vehicles or equipment.
 - 3. Foot traffic.
 - 4. Erection of sheds or structures.
 - 5. Impoundment of water.
 - 6. Excavation or other digging unless otherwise indicated.
 - 7. Attachment of signs to or wrapping materials around trees or plants unless otherwise indicated.
- F. Do not direct vehicle or equipment exhaust towards protection zones.
- G. Prohibit heat sources, flames, ignition sources, and smoking within or near protection zones.

PART 2 - PRODUCTS

2.1 SOIL MATERIALS

A. General: Provide borrow soil materials when sufficient satisfactory soil materials are not available from excavations.

- B. Satisfactory Soils: Soil Classification Groups GW, GP, GM, SW, SP, and SM according to ASTM D2487, or a combination of these groups; free of rock or gravel larger than 3 inches in any dimension, debris, waste, frozen materials, vegetation, and other deleterious matter.
- C. Unsatisfactory Soils: Soil Classification Groups GC, SC, CL, ML, OL, CH, MH, OH, and PT according to ASTM D2487, or a combination of these groups.
 - 1. Unsatisfactory soils also include satisfactory soils not maintained within 2 percent of optimum moisture content at time of compaction.
- D. Subbase Material: Naturally or artificially graded mixture of natural or crushed gravel, crushed stone, and natural or crushed sand; ASTM D2940/D2940M; with at least 90 percent passing a 1-1/2-inch sieve and not more than 12 percent passing a No. 200 sieve.
- E. Base Course: Naturally or artificially graded mixture of natural or crushed gravel, crushed stone, and natural or crushed sand; ASTM D2940/D2940M; with at least 95 percent passing a 1-1/2-inch sieve and not more than 8 percent passing a No. 200 sieve.
- F. Engineered Fill: Naturally or artificially graded mixture of natural or crushed gravel, crushed stone, and natural or crushed sand; ASTM D2940/D2940M; with at least 90 percent passing a 1-1/2-inch sieve and not more than 12 percent passing a No. 200 sieve.
- G. Bedding Course: Naturally or artificially graded mixture of natural or crushed gravel, crushed stone, and natural or crushed sand; ASTM D2940/D2940M; except with 100 percent passing a 1-inch sieve and not more than 8 percent passing a No. 200 sieve.
- H. Drainage Course: Narrowly graded mixture of washed stone, or crushed or uncrushed gravel; ASTM D448; coarse-aggregate grading Size 57; with 100 percent passing a 1-1/2-inch sieve and zero to 5 percent passing a No. 8 sieve.
- I. Filter Material: Narrowly graded mixture of natural or crushed gravel, or crushed stone and natural sand; ASTM D448; coarse-aggregate grading Size 67; with 100 percent passing a 1-inch sieve and zero to 5 percent passing a No. 4 sieve.
- J. Sand: ASTM C33/C33M; fine aggregate.
- K. Impervious Fill: Clayey gravel and sand mixture capable of compacting to a dense state.

2.2 GEOTEXTILES

A. Subsurface Drainage Geotextile: Nonwoven needle-punched geotextile, manufactured for subsurface drainage applications, made from polyolefins or polyesters; with elongation greater than 50 percent; complying with AASHTO M 288 and the following, measured per test methods referenced:

- 1. Survivability:
 - a. Class 2; AASHTO M 288.
 - b. As follows:
 - 1) Grab Tensile Strength: 160; ASTM D4632.
 - 2) Sewn Seam Strength: 142 lbf; ASTM D4632.
 - 3) Tear Strength: 60 lbf; ASTM D4533.
 - 4) Puncture Strength: 56 lbf; ASTM D4833.
 - c. Apparent Opening Size: No. 70 sieve, maximum; ASTM D4751.
 - d. Permittivity: 0.2 per second, minimum; ASTM D4491.
 - e. UV Stability: 50 percent after 500 hours' exposure; ASTM D4355.
- 2. Product: Tencate Mirafi 160N or approved equal.

2.3 ACCESSORIES

- A. Detectable Warning Tape: Acid- and alkali-resistant, polyethylene film warning tape manufactured for marking and identifying underground utilities, a minimum of 2 inches wide and 4 mils thick, continuously inscribed with a description of the utility, with metallic core encased in a protective jacket for corrosion protection, detectable by metal detector when tape is buried up to 30 inches deep; colored as follows:
 - 1. Red: Electric.
 - 2. Yellow: Gas, oil, steam, and dangerous materials.
 - 3. Orange: Telephone and other communications.
 - 4. Blue: Water systems.
 - 5. Green: Sewer systems.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Protect structures, utilities, sidewalks, pavements, and other facilities from damage caused by settlement, lateral movement, undermining, washout, and other hazards created by earth-moving operations.
- B. Protect and maintain erosion and sedimentation controls during earth-moving operations.
- C. Protect subgrades and foundation soils from freezing temperatures and frost. Remove temporary protection before placing subsequent materials.

3.2 DEWATERING

A. Provide dewatering system of sufficient scope, size, and capacity to control hydrostatic

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pressures and to lower, control, remove, and dispose of ground water and permit excavation and construction to proceed on dry, stable subgrades.

- B. Prevent surface water and ground water from entering excavations, from ponding on prepared subgrades, and from flooding Project site and surrounding area.
- C. Protect subgrades from softening, undermining, washout, and damage by rain or water accumulation.
 - 1. Reroute surface water runoff away from excavated areas. Do not allow water to accumulate in excavations. Do not use excavated trenches as temporary drainage ditches.
- D. Dispose of water removed by dewatering in a manner that avoids endangering public health, property, and portions of work under construction or completed. Dispose of water and sediment in a manner that avoids inconvenience to others.

3.3 EXPLOSIVES

- A. Explosives:
 - 1. Do not use explosives.

3.4 EXCAVATION, GENERAL

- A. Unclassified Excavation: Excavate to subgrade elevations regardless of the character of surface and subsurface conditions encountered. Unclassified excavated materials may include rock, soil materials, and obstructions. No changes in the Contract Sum or the Contract Time will be authorized for rock excavation or removal of obstructions.
 - 1. If excavated materials intended for fill and backfill include unsatisfactory soil materials and rock, replace with satisfactory soil materials.
 - 2. Remove rock to lines and grades indicated to permit installation of permanent construction without exceeding the following dimensions:
 - a. 12 inches outside of concrete forms other than at footings.
 - b. 12 inches outside of concrete forms at footings.
 - c. 6 inches outside of minimum required dimensions of concrete cast against grade.
 - d. Outside dimensions of concrete walls indicated to be cast against rock without forms or exterior waterproofing treatments.

3.5 EXCAVATION FOR STRUCTURES

A. Excavate to indicated elevations and dimensions within a tolerance of plus or minus 1 inch. If applicable, extend excavations a sufficient distance from structures for placing and removing concrete formwork, for installing services and other construction, and for

inspections.

- 1. Excavations for Footings and Foundations: Do not disturb bottom of excavation. Excavate by hand to final grade just before placing concrete reinforcement. Trim bottoms to required lines and grades to leave solid base to receive other work.
- B. Excavations at Edges of Tree- and Plant-Protection Zones:
 - 1. Excavate by hand or with an air spade to indicated lines, cross sections, elevations, and subgrades. If excavating by hand, use narrow-tine spading forks to comb soil and expose roots. Do not break, tear, or chop exposed roots. Do not use mechanical equipment that rips, tears, or pulls roots.
 - 2. Cut and protect roots according to requirements in Section 015639 "Temporary Tree and Plant Protection."

3.6 EXCAVATION FOR WALKS AND PAVEMENTS

A. Excavate surfaces under walks and pavements to indicated lines, cross sections, elevations, and subgrades.

3.7 EXCAVATION FOR UTILITY TRENCHES

- A. Excavate trenches to indicated gradients, lines, depths, and elevations.
- B. Excavate trenches to uniform widths to provide the following clearance on each side of pipe or conduit. Excavate trench walls vertically from trench bottom to 12 inches higher than top of pipe or conduit unless otherwise indicated.
 - 1. Clearance: As indicated.
- C. Trench Bottoms:
 - 1. Excavate and shape trench bottoms to provide uniform bearing and support of pipes and conduit. Shape subgrade to provide continuous support for bells, joints, and barrels of pipes and for joints, fittings, and bodies of conduits. Remove projecting stones and sharp objects along trench subgrade.
 - a. For pipes and conduit less than 6 inches in nominal diameter, excavate trench bottoms and support pipe and conduit on an undisturbed subgrade.
 - b. For pipes and conduit 6 inches or larger in nominal diameter, shape bottom of trench to support bottom 90 degrees of pipe or conduit circumference. Fill depressions with tamped sand backfill.
 - c. For flat-bottomed, multiple-duct conduit units, hand-excavate trench bottoms and support conduit on an undisturbed subgrade.
 - d. Excavate trenches 6 inches deeper than elevation required in rock or other unyielding bearing material to allow for bedding course.
- D. Trenches in Tree- and Plant-Protection Zones:

- 1. Hand-excavate to indicated lines, cross sections, elevations, and subgrades. Use narrow-tine spading forks to comb soil and expose roots. Do not break, tear, or chop exposed roots. Do not use mechanical equipment that rips, tears, or pulls roots.
- 2. Do not cut main lateral roots or taproots; cut only smaller roots that interfere with installation of utilities.
- 3. Cut and protect roots according to requirements in Section 015639 "Temporary Tree and Plant Protection."

3.8 SUBGRADE INSPECTION

- A. Notify Architect when excavations have reached required subgrade.
- B. If Architect determines that unsatisfactory soil is present, continue excavation and replace with compacted backfill or fill material as directed.
- C. Proof-roll subgrade pavements with a pneumatic-tired and loaded 10-wheel, tandemaxle dump truck weighing not less than 15 tons to identify soft pockets and areas of excess yielding. Do not proof-roll wet or saturated subgrades.
 - 1. Completely proof-roll subgrade in one direction, repeating proof-rolling in direction perpendicular to first direction. Limit vehicle speed to 3 mph.
 - 2. Excavate soft spots, unsatisfactory soils, and areas of excessive pumping or rutting, as determined by Architect, and replace with compacted backfill or fill as directed.
- D. Authorized additional excavation and replacement material will be paid for according to Contract provisions for changes in the Work.
- E. Reconstruct subgrades damaged by freezing temperatures, frost, rain, accumulated water, or construction activities, as directed by Architect, without additional compensation.

3.9 UNAUTHORIZED EXCAVATION

- A. Fill unauthorized excavation under footings by extending bottom elevation of concrete footing to excavation bottom, without altering top elevation. Lean concrete fill, with 28-day compressive strength of 2500 psi, may be used when approved by Architect.
 - 1. Fill unauthorized excavations under other construction, pipe, or conduit as directed by Architect.

3.10 STORAGE OF SOIL MATERIALS

A. Stockpile borrow soil materials and excavated satisfactory soil materials without intermixing. Place, grade, and shape stockpiles to drain surface water. Cover to prevent windblown dust.

1. Stockpile soil materials away from edge of excavations. Do not store within drip line of remaining trees.

3.11 BACKFILL

- A. Place and compact backfill in excavations promptly, but not before completing the following:
 - 1. Construction below finish grade including, where applicable, subdrainage, damp proofing, waterproofing, and perimeter insulation.
 - 2. Surveying locations of underground utilities for Record Documents.
 - 3. Testing and inspecting underground utilities.
 - 4. Removing concrete formwork.
 - 5. Removing trash and debris.
 - 6. Removing temporary shoring, bracing, and sheeting.
- B. Place backfill on subgrades free of mud, frost, snow, or ice.
- 3.12 UTILITY TRENCH BACKFILL
 - A. Place backfill on subgrades free of mud, frost, snow, or ice.
 - B. Place and compact bedding course on trench bottoms and where indicated. Shape bedding course to provide continuous support for bells, joints, and barrels of pipes and for joints, fittings, and bodies of conduits.
 - C. Backfill voids with satisfactory soil while removing shoring and bracing.
 - D. Initial Backfill:
 - 1. Soil Backfill: Place and compact initial backfill of subbase material, free of particles larger than 1 inch in any dimension, to a height of 6 inches over the pipe or conduit.
 - a. Carefully compact initial backfill under pipe haunches and compact evenly up on both sides and along the full length of piping or conduit to avoid damage or displacement of piping or conduit. Coordinate backfilling with utilities testing.
 - E. Final Backfill:
 - 1. Soil Backfill: Place and compact final backfill of satisfactory soil to final subgrade elevation.
 - F. Warning Tape: Install warning tape directly above utilities, 6 inches above top of utility.

3.13 SOIL FILL

- A. Plow, scarify, bench, or break up sloped surfaces steeper than 1 vertical to 4 horizontal so fill material will bond with existing material.
- B. Place and compact fill material in layers to required elevations as follows:
 - 1. Under grass and planted areas, use satisfactory soil material.
 - 2. Under walks and pavements, use satisfactory soil material.
 - 3. Under footings, use engineered fill.
- C. Place soil fill on subgrades free of mud, frost, snow, or ice.

3.14 SOIL MOISTURE CONTROL

- A. Uniformly moisten or aerate subgrade and each subsequent fill or backfill soil layer before compaction to within 2 percent of optimum moisture content.
 - 1. Do not place backfill or fill soil material on surfaces that are muddy, frozen, or contain frost or ice.
 - 2. Remove and replace, or scarify and air dry, otherwise satisfactory soil material that exceeds optimum moisture content by 2 percent and is too wet to compact to specified dry unit weight.

3.15 COMPACTION OF SOIL BACKFILLS AND FILLS

- A. Place backfill and fill soil materials in layers not more than 8 inches in loose depth for material compacted by heavy compaction equipment and not more than 4 inches in loose depth for material compacted by hand-operated tampers.
- B. Place backfill and fill soil materials evenly on all sides of structures to required elevations and uniformly along the full length of each structure.
- C. Compact soil materials to not less than the following percentages of maximum dry unit weight according to ASTM D1557:
 - 1. Under structures, and pavements, scarify and recompact top 12 inches of existing subgrade and each layer of backfill or fill soil material at 95 percent.
 - 2. Under sport courts and walkways, scarify and recompact top 6 inches below subgrade and compact each layer of backfill or fill soil material at 75 percent.
 - 3. Under turf or unpaved areas, scarify and recompact top 6 inches below finish grade and compact each layer of backfill or fill soil material at maximum 85 percent.
 - 4. For utility trenches, compact each layer of initial and final backfill soil material at 85 percent.

3.16 GRADING

- A. General: Uniformly grade areas to a smooth surface, free of irregular surface changes. Comply with compaction requirements and grade to cross sections, lines, and elevations indicated.
 - 1. Provide a smooth transition between adjacent existing grades and new grades.
 - 2. Cut out soft spots, fill low spots, and trim high spots to comply with required surface tolerances.
- B. Site Rough Grading: Slope grades to direct water away from buildings and to prevent ponding. Finish subgrades to elevations required to achieve indicated finish elevations, within the following subgrade tolerances:
 - 1. Turf or Unpaved Areas: Plus or minus 1 inch.
 - 2. Walks: Plus or minus 1 inch.
 - 3. Pavements: Plus or minus 1/2 inch.

3.17 SUBSURFACE DRAINAGE

- A. Subsurface Drain: Place subsurface drainage geotextile around perimeter of subdrainage trench. Place a 2-inch course of filter material on subsurface drainage geotextile to support subdrainage pipe. Encase subdrainage pipe in a minimum of 8 inches of filter material, placed in compacted layers 6 inches thick, and wrap in subsurface drainage geotextile, overlapping sides and ends at least 12 inches.
 - 1. Compact each filter material layer with a minimum of two passes of a plate-type vibratory compactor.
- B. Drainage Backfill: Place and compact filter material over subsurface drain, in width indicated, to within 6 inches of final subgrade, in a single lift. Overlay drainage backfill with one layer of subsurface drainage geotextile, overlapping sides and ends at least 12 inches.
 - 1. Place and compact topsoil over drainage backfill in 6-inch- thick compacted layers to final subgrade.

3.18 SUBBASE AND BASE COURSES UNDER PAVEMENTS AND WALKS

- A. Place subbase course and base course on subgrades free of mud, frost, snow, or ice.
- B. On prepared subgrade, place subbase course and base course under pavements and walks as follows:
 - 1. Shape subbase course and base course to required crown elevations and crossslope grades.
 - 2. Place subbase course and base course 6 inches or less in compacted thickness in a single layer.
 - 3. Compact subbase course and base course at optimum moisture content to

required grades, lines, cross sections, and thickness to not less than 95 percent of maximum dry unit weight according to ASTM D1557.

C. Pavement Shoulders: Place shoulders along edges of subbase course and base course to prevent lateral movement. Construct shoulders, at least 12 inches wide, of satisfactory soil materials and compact simultaneously with each subbase and base layer to not less than 95 percent of maximum dry unit weight according to ASTM D1557.

3.19 FIELD QUALITY CONTROL

- A. Special Inspections: Owner will engage a qualified special inspector to perform the following special inspections:
 - 1. Determine prior to placement of fill that site has been prepared in compliance with requirements.
 - 2. Determine that fill material classification and maximum lift thickness comply with requirements.
 - 3. Determine, during placement and compaction, that in-place density of compacted fill complies with requirements.
- B. Testing Agency: Owner will engage a qualified geotechnical engineering testing agency to perform tests and inspections.
- C. Allow testing agency to inspect and test subgrades and each fill or backfill layer. Proceed with subsequent earth moving only after test results for previously completed work comply with requirements.
- D. Footing Subgrade: At footing subgrades, at least one test of each soil stratum will be performed to verify design bearing capacities. Subsequent verification and approval of other footing subgrades may be based on a visual comparison of subgrade with tested subgrade when approved by Architect.
- E. Testing agency will test compaction of soils in place according to ASTM D1556, ASTM D2167, ASTM D2937, and ASTM D6938, as applicable. Tests will be performed at the following locations and frequencies:
 - 1. Paved and Building Slab Areas: At subgrade and at each compacted fill and backfill layer, at least one test for every 2000 sq. ft. or less of paved area but in no case fewer than three tests.
 - 2. Trench Backfill: At each compacted initial and final backfill layer, at least one test for every 150 feet or less of trench length but no fewer than two tests.
- F. When testing agency reports that subgrades, fills, or backfills have not achieved degree of compaction specified, scarify and moisten or aerate, or remove and replace soil materials to depth required; recompact and retest until specified compaction is obtained.

3.20 PROTECTION

- A. Protecting Graded Areas: Protect newly graded areas from traffic, freezing, and erosion. Keep free of trash and debris.
- B. Repair and reestablish grades to specified tolerances where completed or partially completed surfaces become eroded, rutted, settled, or where they lose compaction due to subsequent construction operations or weather conditions.
 - 1. Scarify or remove and replace soil material to depth as directed by Architect; reshape and recompact.
- C. Where settling occurs before Project correction period elapses, remove finished surfacing, backfill with additional soil material, compact, and reconstruct surfacing.
 - 1. Restore appearance, quality, and condition of finished surfacing to match adjacent work, and eliminate evidence of restoration to greatest extent possible.

3.21 DISPOSAL OF SURPLUS AND WASTE MATERIALS

- A. Remove surplus satisfactory soil and waste materials, including unsatisfactory soil, trash, and debris, and legally dispose of them off Owner's property.
- B. Transport surplus satisfactory soil to designated storage areas on Owner's property. Stockpile or spread soil as directed by Architect.
 - 1. Remove waste materials, including unsatisfactory soil, trash, and debris, and legally dispose of them off Owner's property.

END OF SECTION 312000

SECTION 321313 - CONCRETE PAVING

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes concrete paving including the following:
 - 1. Walks.
 - 2. Sport courts.
 - 3. Footings for posts.
- B. Related Requirements:
 - 1. Section 321373 "Concrete Paving Joint Sealants" for joint sealants in expansion and contraction joints within concrete paving and in joints between concrete paving and asphalt paving or adjacent construction.

1.2 DEFINITIONS

- A. Cementitious Materials: Portland cement alone or in combination with one or more of blended hydraulic cement, fly ash, slag cement, and other pozzolans.
- B. W/C Ratio: The ratio by weight of water to cementitious materials.

1.3 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.
 - 1. Review methods and procedures related to concrete paving, including but not limited to, the following:
 - a. Concrete mixture design.
 - b. Quality control of concrete materials and concrete paving construction practices.
 - 2. Require representatives of each entity directly concerned with concrete paving to attend, including the following:
 - a. Contractor's superintendent.
 - b. Independent testing agency responsible for concrete design mixtures.
 - c. Ready-mix concrete manufacturer.
 - d. Concrete paving Subcontractor.
 - e. Manufacturer's representative of stamped concrete paving system used for stamped detectable warnings.

1.4 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Sustainable Design Submittals:
 - 1. Third-Party Certifications: For each product.
 - 2. Third-Party Certified Life Cycle Assessment: For each product.
- C. Samples for Initial Selection: For each type of product, ingredient, or admixture requiring color selection.
- D. Design Mixtures: For each concrete paving mixture. Include alternate design mixtures when characteristics of materials, Project conditions, weather, test results, or other circumstances warrant adjustments.

1.5 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For qualified ready-mix concrete manufacturer.
- B. Material Certificates: For the following, from manufacturer:
 - 1. Cementitious materials.
 - 2. Steel reinforcement and reinforcement accessories.
 - 3. Fiber reinforcement.
 - 4. Admixtures.
 - 5. Curing compounds.
 - 6. Applied finish materials.
 - 7. Bonding agent or epoxy adhesive.
 - 8. Joint fillers.
- C. Material Test Reports: For each of the following:
 - 1. Aggregates:
- D. Field quality-control reports.

1.6 QUALITY ASSURANCE

- A. Ready-Mix-Concrete Manufacturer Qualifications: A firm experienced in manufacturing ready-mixed concrete products and that complies with ASTM C94/C94M requirements for production facilities and equipment.
 - 1. Manufacturer certified according to NRMCA's "Certification of Ready Mixed Concrete Production Facilities" (Quality Control Manual - Section 3, "Plant Certification Checklist").
- B. Testing Agency Qualifications: Qualified according to ASTM C1077 and ASTM E329 for testing indicated.

1. Personnel conducting field tests must be qualified as ACI Concrete Field Testing Technician, Grade 1, according to ACI CP-1 or an equivalent certification program.

1.7 PRECONSTRUCTION TESTING

A. Preconstruction Testing Service: Engage a qualified independent testing agency to perform preconstruction testing on concrete paving mixtures.

1.8 FIELD CONDITIONS

- A. Traffic Control: Maintain access for vehicular and pedestrian traffic as required for other construction activities.
- B. Cold-Weather Concrete Placement: Protect concrete work from physical damage or reduced strength that could be caused by frost, freezing, or low temperatures. Comply with ACI 306.1 and the following:
 - When air temperature has fallen to or is expected to fall below 40 deg F, uniformly heat water and aggregates before mixing to obtain a concrete mixture temperature of not less than 50 deg F and not more than 80 deg F at point of placement.
 - 2. Do not use frozen materials or materials containing ice or snow.
 - 3. Do not use calcium chloride, salt, or other materials containing antifreeze agents or chemical accelerators unless otherwise specified and approved in design mixtures.
- C. Hot-Weather Concrete Placement: Comply with ACI 301 and as follows when hotweather conditions exist:
 - Cool ingredients before mixing to maintain concrete temperature below 90 deg F at time of placement. Chilled mixing water or chopped ice may be used to control temperature, provided water equivalent of ice is calculated in total amount of mixing water. Using liquid nitrogen to cool concrete is Contractor's option.
 - 2. Cover steel reinforcement with water-soaked burlap, so steel temperature will not exceed ambient air temperature immediately before embedding in concrete.
 - 3. Fog-spray forms, steel reinforcement, and subgrade just before placing concrete. Keep subgrade moisture uniform without standing water, soft spots, or dry areas.

PART 2 - PRODUCTS

2.1 CONCRETE, GENERAL

A. ACI Publications: Comply with ACI 301 unless otherwise indicated.

2.2 FORMS

- A. Form Materials: Plywood, metal, metal-framed plywood, or other approved panel-type materials to provide full-depth, continuous, straight, and smooth exposed surfaces.
 - 1. Use flexible or uniformly curved forms for curves with a radius of 100 feet or less. Do not use notched and bent forms.
- B. Form-Release Agent: Commercially formulated form-release agent that will not bond with, stain, or adversely affect concrete surfaces and that will not impair subsequent treatments of concrete surfaces.

2.3 STEEL REINFORCEMENT

- A. Reinforcing Bars: ASTM A615/A615M, Grade 60; deformed.
- B. Deformed-Steel Wire: ASTM A1064/A1064M.
- C. Joint Dowel Bars: ASTM A615/A615M, Grade 60 plain-steel bars; zinc coated (galvanized) after fabrication according to ASTM A767/A767M, Class I coating. Cut bars true to length with ends square and free of burrs.
- D. Tie Bars: ASTM A615/A615M, Grade 60; deformed.
- E. Bar Supports: Bolsters, chairs, spacers, and other devices for spacing, supporting, and fastening reinforcing bars, welded-wire reinforcement, and dowels in place. Manufacture bar supports according to CRSI's "Manual of Standard Practice" from steel wire, plastic, or precast concrete of greater compressive strength than concrete specified, and as follows:
 - 1. Equip wire bar supports with sand plates or horizontal runners where base material will not support chair legs.
- F. Epoxy Repair Coating: Liquid, two-part, epoxy repair coating, compatible with epoxy coating on reinforcement.
- G. Zinc Repair Material: ASTM A780/A780M.

2.4 CONCRETE MATERIALS

- A. Conform to City of Spokane General Special Provisions for Private Contracts, current edition.
- 2.5 CURING MATERIALS
 - A. Water: Potable.

2.6 RELATED MATERIALS

- A. Joint Fillers: ASTM D1751, asphalt-saturated cellulosic fiber in preformed strips.
- B. Slip-Resistive Aggregate Finish: Factory-graded, packaged, rustproof, nonglazing, abrasive aggregate of fused aluminum-oxide granules or crushed emery aggregate containing not less than 50 percent aluminum oxide and not less than 20 percent ferric oxide; unaffected by freezing, moisture, and cleaning materials.
- C. Bonding Agent: ASTM C1059/C1059M, Type II, non-redispersible, acrylic emulsion or styrene butadiene.
- D. Epoxy-Bonding Adhesive: ASTM C881/C881M, two-component epoxy resin capable of humid curing and bonding to damp surfaces; of class suitable for application temperature, of grade complying with requirements, and of the following types:
 - 1. Types I and II, nonload bearing, for bonding hardened or freshly mixed concrete to hardened concrete.

2.7 CONCRETE MIXTURES

- A. Prepare design mixtures, proportioned according to ACI 301, for each type and strength of normal-weight concrete, and as determined by either laboratory trial mixtures or field experience.
 - 1. Use a qualified independent testing agency for preparing and reporting proposed concrete design mixtures for the trial batch method.
- B. Cementitious Materials: Limit percentage, by weight, of cementitious materials other than portland cement in concrete as follows:
 - 1. Fly Ash or Pozzolan: 25 percent.
 - 2. Slag Cement: 50 percent.
 - 3. Combined Fly Ash or Pozzolan, and Slag Cement: 50 percent, with fly ash or pozzolan not exceeding 25 percent.
- C. Add air-entraining admixture at manufacturer's prescribed rate to result in normalweight concrete at point of placement having an air content as follows:
 - 1. Air Content, 3/4-inch Nominal Maximum Aggregate Size: 5.5 percent plus or minus 1 percent.
- D. Limit water-soluble, chloride-ion content in hardened concrete to 0.30 percent by weight of cement.
- E. Chemical Admixtures: Use admixtures according to manufacturer's written instructions.
- F. Concrete Mixtures: Normal-weight concrete.
 - 1. Compressive Strength (28 Days): 3500 psi.

- 2. Maximum W/C Ratio at Point of Placement: 0.50.
- 3. Slump Limit: 3 inches maximum.

2.8 CONCRETE MIXING

- A. Ready-Mixed Concrete: Measure, batch, and mix concrete materials and concrete according to ASTM C94/C94M. Furnish batch certificates for each batch discharged and used in the Work.
 - 1. When air temperature is between 85 and 90 deg F, reduce mixing and delivery time from 1-1/2 hours to 75 minutes; when air temperature is above 90 deg F, reduce mixing and delivery time to 60 minutes.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine exposed subgrades and subbase surfaces for compliance with requirements for dimensional, grading, and elevation tolerances.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Remove loose material from compacted subbase surface immediately before placing concrete.

3.3 EDGE FORMS AND SCREED CONSTRUCTION

- A. Set, brace, and secure edge forms, bulkheads, and intermediate screed guides to required lines, grades, and elevations. Install forms to allow continuous progress of work and so forms can remain in place at least 24 hours after concrete placement.
- B. Clean forms after each use and coat with form-release agent to ensure separation from concrete without damage.

3.4 INSTALLATION OF STEEL REINFORCEMENT

- A. General: Comply with CRSI's "Manual of Standard Practice" for fabricating, placing, and supporting reinforcement.
- B. Clean reinforcement of loose rust and mill scale, earth, ice, or other bond-reducing materials.
- C. Arrange, space, and securely tie bars and bar supports to hold reinforcement in

position during concrete placement. Maintain minimum cover to reinforcement.

- D. Install welded-wire reinforcement in lengths as long as practicable. Lap adjoining pieces at least one full mesh, and lace splices with wire. Offset laps of adjoining widths to prevent continuous laps in either direction.
- E. Zinc-Coated Reinforcement: Use galvanized-steel wire ties to fasten zinc-coated reinforcement. Repair cut and damaged zinc coatings with zinc repair material.

3.5 JOINTS

- A. General: Form construction, isolation, and contraction joints and tool edges true to line, with faces perpendicular to surface plane of concrete. Construct transverse joints at right angles to centerline unless otherwise indicated.
 - 1. When joining existing paving, place transverse joints to align with previously placed joints unless otherwise indicated.
- B. Construction Joints: Set construction joints at side and end terminations of paving and at locations where paving operations are stopped for more than one-half hour unless paving terminates at isolation joints.
 - 1. Continue steel reinforcement across construction joints unless otherwise indicated. Do not continue reinforcement through sides of paving strips unless otherwise indicated.
 - 2. Provide tie bars at sides of paving strips where indicated.
 - 3. Doweled Joints: Install dowel bars and support assemblies at joints where indicated. Lubricate or coat with asphalt one-half of dowel length to prevent concrete bonding to one side of joint.
- C. Isolation Joints: Form isolation joints of preformed joint-filler strips abutting structures, other fixed objects, and where indicated.
 - 1. Locate expansion joints at intervals of 30 feet unless otherwise indicated.
 - 2. Extend joint fillers full width and depth of joint.
 - 3. Terminate joint filler not less than 1/2 inch or more than 1 inch below finished surface if joint sealant is indicated.
 - 4. Place top of joint filler flush with finished concrete surface if joint sealant is not indicated.
 - 5. Furnish joint fillers in one-piece lengths. Where more than one length is required, lace or clip joint-filler sections together.
 - 6. During concrete placement, protect top edge of joint filler with metal, plastic, or other temporary preformed cap. Remove protective cap after concrete has been placed on both sides of joint.
- D. Contraction Joints: Form weakened-plane contraction joints, sectioning concrete into areas as indicated. Construct contraction joints for a depth equal to at least one-fourth of the concrete thickness, as follows, to match jointing of existing adjacent concrete paving:

- 1. Sawed Joints: Form contraction joints with power saws equipped with shatterproof abrasive or diamond-rimmed blades. Cut 1/8-inch- wide joints into concrete when cutting action will not tear, abrade, or otherwise damage surface and before developing random contraction cracks.
 - a. Tolerance: Ensure that sawed joints are within 3 inches either way from centers of dowels.
- 2. Doweled Contraction Joints: Install dowel bars and support assemblies at joints where indicated. Lubricate or coat with asphalt one-half of dowel length to prevent concrete bonding to one side of joint.
- E. Edging: After initial floating, tool edges of paving, gutters, curbs, and joints in concrete with an edging tool to a 3/8-inch radius. Repeat tooling of edges after applying surface finishes. Eliminate edging-tool marks on concrete surfaces.

3.6 CONCRETE PLACEMENT

- A. Before placing concrete, inspect and complete formwork installation, steel reinforcement, and items to be embedded or cast-in.
- B. Remove snow, ice, or frost from subbase surface and steel reinforcement before placing concrete. Do not place concrete on frozen surfaces.
- C. Moisten subbase to provide a uniform dampened condition at time concrete is placed. Do not place concrete around manholes or other structures until they are at required finish elevation and alignment.
- D. Comply with ACI 301 requirements for measuring, mixing, transporting, and placing concrete.
- E. Do not add water to concrete during delivery or at Project site. Do not add water to fresh concrete after testing.
- F. Deposit and spread concrete in a continuous operation between transverse joints. Do not push or drag concrete into place or use vibrators to move concrete into place.
- G. Consolidate concrete according to ACI 301 by mechanical vibrating equipment supplemented by hand spading, rodding, or tamping.
 - Consolidate concrete along face of forms and adjacent to transverse joints with an internal vibrator. Keep vibrator away from joint assemblies, reinforcement, or side forms. Use only square-faced shovels for hand spreading and consolidation. Consolidate with care to prevent dislocating reinforcement, dowels, and joint devices.
- H. Screed paving surface with a straightedge and strike off.
- I. Commence initial floating using bull floats or darbies to impart an open-textured and uniform surface plane before excess moisture or bleedwater appears on the surface.

Do not further disturb concrete surfaces before beginning finishing operations or spreading surface treatments.

- J. Slip-Form Paving: Use design mixture for automatic machine placement. Produce paving to required thickness, lines, grades, finish, and jointing.
 - 1. Compact subbase and prepare subgrade of sufficient width to prevent displacement of slip-form paving machine during operations.

3.7 FLOAT FINISHING

- A. General: Do not add water to concrete surfaces during finishing operations.
- B. Float Finish: Begin the second floating operation when bleedwater sheen has disappeared and concrete surface has stiffened sufficiently to permit operations. Float surface with power-driven floats or by hand floating if area is small or inaccessible to power units. Finish surfaces to true planes. Cut down high spots and fill low spots. Refloat surface immediately to uniform granular texture.

3.8 SPECIAL FINISHES

A. Slip-Resistive Aggregate Finish: Before final floating, spread slip-resistive aggregate finish on paving surface according to manufacturer's written instructions.

3.9 CONCRETE PROTECTION AND CURING

- A. General: Protect freshly placed concrete from premature drying and excessive cold or hot temperatures.
- B. Comply with ACI 306.1 for cold-weather protection.
- C. Evaporation Retarder: Apply evaporation retarder to concrete surfaces if hot, dry, or windy conditions cause moisture loss approaching 0.2 lb/sq. ft. x h before and during finishing operations. Apply according to manufacturer's written instructions after placing, screeding, and bull floating or darbying concrete but before float finishing.
- D. Begin curing after finishing concrete but not before free water has disappeared from concrete surface.
- E. Curing Methods: Cure concrete by moisture curing, moisture-retaining-cover curing, curing compound, or, a combination of these as follows:
 - 1. Moisture Curing: Keep surfaces continuously moist for not less than seven days with the following materials:
 - a. Water.
 - b. Continuous water-fog spray.
 - c. Absorptive cover, water saturated and kept continuously wet. Cover

concrete surfaces and edges with 12-inch lap over adjacent absorptive covers.

3.10 PAVING TOLERANCES

- A. Comply with tolerances in ACI 117 and as follows:
 - 1. Elevation: 1/4 inch.
 - 2. Thickness: Plus 3/8 inch, minus 1/4 inch.
 - 3. Surface: Gap below 10-feet- long; unleveled straightedge not to exceed 1/4 inch.
 - 4. Alignment of Tie-Bar End Relative to Line Perpendicular to Paving Edge: 1/2 inch per 12 inches of tie bar.
 - 5. Lateral Alignment and Spacing of Dowels: 1 inch.
 - 6. Vertical Alignment of Dowels: 1/4 inch.
 - 7. Alignment of Dowel-Bar End Relative to Line Perpendicular to Paving Edge: 1/4 inch per 12 inches of dowel.
 - 8. Joint Spacing: 3 inches.
 - 9. Contraction Joint Depth: Plus 1/4 inch, no minus.
 - 10. Joint Width: Plus 1/8 inch, no minus.

3.11 FIELD QUALITY CONTROL

- A. Testing Agency: Owner will engage a qualified testing agency to perform tests and inspections.
- B. Testing Services: Testing and inspecting of composite samples of fresh concrete obtained according to ASTM C172/C172M will be performed according to the following requirements:
 - 1. Testing Frequency: Obtain at least one composite sample for each 100 cu. yd. or fraction thereof of each concrete mixture placed each day.
 - a. When frequency of testing will provide fewer than five compressivestrength tests for each concrete mixture, testing to be conducted from at least five randomly selected batches or from each batch if fewer than five are used.
 - 2. Slump: ASTM C143/C143M; one test at point of placement for each composite sample, but not less than one test for each day's pour of each concrete mixture. Perform additional tests when concrete consistency appears to change.
 - 3. Air Content: ASTM C231/C231M, pressure method; one test for each composite sample, but not less than one test for each day's pour of each concrete mixture.
 - 4. Concrete Temperature: ASTM C1064/C1064M; one test hourly when air temperature is 40 deg F and below and when it is 80 deg F and above, and one test for each composite sample.
 - 5. Compression Test Specimens: ASTM C31/C31M; cast and laboratory cure one set of three standard cylinder specimens for each composite sample.
 - 6. Compressive-Strength Tests: ASTM C39/C39M; test one specimen at seven

days and two specimens at 28 days.

- a. A compressive-strength test to be the average compressive strength from two specimens obtained from same composite sample and tested at 28 days.
- C. Strength of each concrete mixture will be satisfactory if average of any three consecutive compressive-strength tests equals or exceeds specified compressive strength and no compressive-strength test value falls below specified compressive strength by more than 500 psi.
- D. Test results to be reported in writing to Architect, concrete manufacturer, and Contractor within 48 hours of testing. Reports of compressive-strength tests to contain Project identification name and number, date of concrete placement, name of concrete testing and inspecting agency, location of concrete batch in Work, design compressive strength at 28 days, concrete mixture proportions and materials, compressive breaking strength, and type of break for both 7- and 28-day tests.
- E. Nondestructive Testing: Impact hammer, sonoscope, or other nondestructive device may be permitted by Architect but will not be used as sole basis for approval or rejection of concrete.
- F. Additional Tests: Testing and inspecting agency will make additional tests of concrete when test results indicate that slump, air entrainment, compressive strengths, or other requirements have not been met, as directed by Architect.
- G. Concrete paving will be considered defective if it does not pass tests and inspections.
- H. Additional testing and inspecting, at Contractor's expense, will be performed to determine compliance of replaced or additional work with specified requirements.
- I. Prepare test and inspection reports.

3.12 REPAIR AND PROTECTION

- A. Remove and replace concrete paving that is broken, damaged, or defective or that does not comply with requirements in this Section. Remove work in complete sections from joint to joint unless otherwise approved by Architect.
- B. Drill test cores, where directed by Architect, when necessary to determine magnitude of cracks or defective areas. Fill drilled core holes in satisfactory paving areas with portland cement concrete bonded to paving with epoxy adhesive.
- C. Protect concrete paving from damage. Exclude traffic from paving for at least 14 days after placement. When construction traffic is permitted, maintain paving as clean as possible by removing surface stains and spillage of materials as they occur.
- D. Maintain concrete paving free of stains, discoloration, dirt, and other foreign material. Sweep paving not more than two days before date scheduled for Substantial

Completion inspections.

END OF SECTION 321313

SECTION 321373 - CONCRETE PAVING JOINT SEALANTS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Cold-applied joint sealants.
 - 2. Hot-applied joint sealants.
 - 3. Joint-sealant backer materials.
 - 4. Primers.

1.2 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.
- 1.3 ACTION SUBMITTALS
 - A. Product Data:
 - 1. Concrete pavement joint sealants.
 - 2. Joint-sealant backer materials.
 - B. Samples for Initial Selection: Manufacturer's standard color sheets, showing full range of available colors for each type of joint sealant.
 - C. Samples for Verification: Actual sample of finished products for each kind and color of joint sealant required.
 - 1. Size: Joint sealants in 1/2-inch- wide joints formed between two 6-inch- long strips of material matching the appearance of exposed surfaces adjacent to joint sealants.
 - D. Paving-Joint-Sealant Schedule: Include the following information:
 - 1. Joint-sealant application, joint location, and designation.
 - 2. Joint-sealant manufacturer and product name.
 - 3. Joint-sealant formulation.
 - 4. Joint-sealant color.

1.4 INFORMATIONAL SUBMITTALS

A. Qualification Statements: For Installer.

1.5 QUALITY ASSURANCE

- A. Qualifications:
 - 1. Installers: Entity that employs installers and supervisors who are trained and approved by manufacturer.

1.6 PRECONSTRUCTION TESTING

A. Preconstruction Testing: Performed by a qualified testing agency.

1.7 FIELD CONDITIONS

- A. Do not proceed with installation of joint sealants under the following conditions:
 - 1. When ambient and substrate temperature conditions are outside limits permitted by joint-sealant manufacturer or are below 40 deg F.
 - 2. When joint substrates are wet.
 - 3. Where joint widths are less than those allowed by joint-sealant manufacturer for applications indicated.
 - 4. Where contaminants capable of interfering with adhesion have not yet been removed from joint substrates.

PART 2 - PRODUCTS

2.1 SOURCE LIMITATIONS

A. Obtain joint sealants from single manufacturer.

2.2 JOINT SEALANTS, GENERAL

A. Compatibility: Provide joint sealants, backer materials, and other related materials that are compatible with one another and with joint substrates under conditions of service and application, as demonstrated by joint-sealant manufacturer, based on testing and field experience.

2.3 JOINT-SEALANT BACKER MATERIALS

- A. Joint-Sealant Backer Materials: Nonstaining; compatible with joint substrates, sealants, primers, and other joint fillers; and approved for applications indicated by joint-sealant manufacturer, based on field experience and laboratory testing.
- B. Backer Strips for Cold- and Hot-Applied Joint Sealants: ASTM D5249; Type 2; of thickness and width required to control joint-sealant depth, prevent bottom-side adhesion of sealant, and fill remainder of joint opening under sealant.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine joints to receive joint sealants, with Installer present, for compliance with requirements for joint configuration, installation tolerances, and other conditions affecting joint-sealant performance.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Surface Cleaning of Joints: Before installing joint sealants, clean out joints immediately to comply with joint-sealant manufacturer's written instructions.
 - 1. Remove all foreign material from joint substrates that could interfere with adhesion of joint sealant, including dust, old joint sealants, oil, grease, waterproofing, water repellents, water, surface dirt, and frost.
- B. Joint Priming: Prime joint substrates where indicated or where recommended in writing by joint-sealant manufacturer, based on preconstruction joint-sealant-substrate tests or prior experience. Apply primer to comply with joint-sealant manufacturer's written instructions. Confine primers to areas of joint-sealant bond; do not allow spillage or migration onto adjoining surfaces.

3.3 INSTALLATION OF JOINT SEALANTS

- A. Comply with joint-sealant manufacturer's written installation instructions for products and applications indicated unless more stringent requirements apply.
- B. Joint-Sealant Installation Standard: Comply with recommendations in ASTM C1193 for use of joint sealants as applicable to materials, applications, and conditions.
- C. Install joint-sealant backers to support joint sealants during application and at position required to produce cross-sectional shapes and depths of installed sealants relative to joint widths that allow optimum sealant movement capability.
 - 1. Do not leave gaps between ends of joint-sealant backer materials.
 - 2. Do not stretch, twist, puncture, or tear joint-sealant backer materials.
 - 3. Remove absorbent joint-sealant backer materials that have become wet before sealant application and replace them with dry materials.
- D. Install joint sealants immediately following backer material installation, using proven techniques that comply with the following:
 - 1. Place joint sealants so they fully contact joint substrates.
 - 2. Completely fill recesses in each joint configuration.
 - 3. Produce uniform, cross-sectional shapes and depths relative to joint widths that

allow optimum sealant movement capability.

- E. Tooling of Nonsag Joint Sealants: Immediately after joint-sealant application and before skinning or curing begins, tool sealants in accordance with the following requirements to form smooth, uniform beads of configuration indicated; to eliminate air pockets; and to ensure contact and adhesion of sealant with sides of joint:
 - 1. Remove excess joint sealant from surfaces adjacent to joints.
 - 2. Use tooling agents that are approved in writing by joint-sealant manufacturer and that do not discolor sealants or adjacent surfaces.
- F. Provide joint configuration to comply with joint-sealant manufacturer's written instructions unless otherwise indicated.

3.4 CLEANING AND PROTECTION

- A. Clean off excess joint sealant as the Work progresses, by methods and with cleaning materials approved in writing by joint-sealant manufacturers.
- B. Protect joint sealants, during and after curing period, from contact with contaminating substances and from damage resulting from construction operations or other causes so sealants are without deterioration or damage at time of Substantial Completion. If, despite such protection, damage or deterioration occurs, cut out and remove damaged or deteriorated joint sealants immediately and replace with joint sealant so installations in repaired areas are indistinguishable from the original work.

3.5 PAVING-JOINT-SEALANT SCHEDULE

- A. Joints within concrete paving:
 - 1. Joint Location:
 - a. Expansion and isolation joints in concrete paving.
 - b. Contraction joints in concrete paving.
 - c. Other joints as indicated.
 - 2. Joint Sealant: Single component, pourable, urethane, elastomeric joint sealant.
 - 3. Joint-Sealant Color: Gray.

END OF SECTION 321373

SECTION 321800 – ATHLETIC SURFACING

PART 1 - GENERAL

1.1 SUMMARY

- A. Textured acrylic surfacing for concrete tennis courts and similar play areas.
- B. Related Requirements:
 - 1. Section 321313 "Concrete Paving".
- C. References
 - 1. USA Pickleball Association (USAPA).
 - 2. American Sports Builders Association (ASBA).
 - 3. United States Tennis Association (USTA).

1.2 QUALITY ASSURANCE

- A. Surfacing shall conform to the guidelines of the ASBA for planarity.
- B. All surface coatings products shall be supplied by a single manufacturer.
- C. The contractor shall record the batch number of each product used on the site and maintain it through the warranty period.
- D. The contractor shall provide the inspector, upon request, an estimate of the volume of each product to be used on the site.
- E. The installer shall be an authorized applicator of the specified system.
- F. The manufacturer's representative shall be available to help resolve material questions.

1.3 SUBMITTALS

- A. Manufacturer specifications for components, color chart and installation instructions.
- B. Authorized Applicator certificate from the surface system manufacturer.
- C. ITF classification certificate for the system to be installed.
- D. Reference list from the installer of at least 5 projects of similar scope done in each of the past 3 years.

- E. Current Material Safety Data Sheets (MSDS).
- F. Product substitution: If other than the product specified, the contractor shall submit at least 7 days prior to the bid date a complete type written list of proposed substitutions with sufficient data, drawings, samples and literature to demonstrate to the Owner's satisfaction that the proposed substitution is of equal quality and utility to that originally specified. Information must include a QUV test of at least 1000 hours illustrating the UV stability of the system. The color system shall have an ITF pace rating in Category 3. Under no circumstances will systems from multiple manufacturers be considered.

1.4 MATERIAL HANDLING AND STORAGE

- A. Store materials in accordance with manufacturer specifications and SDS.
- B. Deliver product to the site in original unopened containers with proper labels attached.
- C. All surfacing materials shall be non-flammable.

1.5 GUARANTEE

A. Provide a guarantee against defects in the materials and workmanship for a period of one year from the date of substantial completion.

1.6 INSTALLER QUALIFICATIONS

- A. Installer shall be regularly engaged in construction and surfacing of acrylic tennis courts, play courts or similar surfaces.
- B. Installer shall be an Authorized Applicator of the specified surface system.

1.7 MANUFACTURER QUALIFICATIONS

- A. System manufacturer shall provide documentation that the surface to be installed has been classified by the ITF as a medium pace surface.
- B. System manufacturer shall be a US owned company.
- C. System manufacturer shall be a member of the ASBA.

PART 2 - PRODUCTS

2.1 MANUFACTURER

A. California Sports Surfaces, a division of the ICP Group, Andover, MA. 01810 / Plexipave System, or Owner approved equal. B. Substitutions: Submit requests at least 7 days prior to the bid date with a complete type written list of proposed substitutions with sufficient data, drawings, samples and literature to demonstrate to the Owner's satisfaction that the proposed substitution is of equal quality and utility to the specified product. Information must include a QUV test of at least 1000 hours illustrating the UV stability of the system. The system shall have an ITF pace rating.

2.2 MATERIALS

- A. Patching Mix (California Court Patch Binder or Owner approved equal) for use in patching cracks, holes, depressions and other surface imperfections.
- B. Crack Filler (California Crack Filler or Owner approved equal) for use in filling fine cracks.
- C. Acrylic Filler Course (California Acrylic Resurfacer or Owner approved equal) for use as a filler for new or existing concrete surfaces. The acrylic filler shall be blended with approved silica sand at the job site.
- D. Acrylic Color Playing Surface (Plexichrome Ultra Performance/Plexipave Color Base or Owner approved equal) – for use as the finish color and texture. Plexichrome and Plexipave Color Base are blended at the job site to achieve the correct surface texture. *Factory Fortified Plexipave may be used as an alternative material. Colors based on Plexipave color chart to be as follows or approved equal:
 - 1. Service A Color Type 1: Purple.
 - 2. Non-volley Zone Color Type 2: Gray.
 - 3. Overrun Areas Color Type 3: Light Green.
- E. Line Paint (California Line Paint or Owner approved equal) for use as the line marking on the court/play surface. All line paint colors to be White.
- F. Water for use in dilution/mixing shall be clean and potable.

2.3 MATERIAL SPECIFICATIONS

- A. Court Patch Binder acrylic resin blended with Portland Cement and silica sand.
- B. Plexipave Crack Filler acrylic resin heavily filled with sand.
- C. California Acrylic Resurfacer acrylic resin (no vinyl copolymerization constituent). The product shall contain not less than 3.5% attapulgite.
- D. Plexichrome Ultra Performance –acrylic resin (no vinyl copolymerization constituent) with selected light fast pigments.
- E. Plexipave Color Base acrylic resin containing no vinyl copolymerization constituent. Contains not more than 63% rounded silica sand.

- F. California Line Paint 100% acrylic resin containing no alkyds or vinyl constituents. Texturing shall be rounded silica sand.
- G. All surfacing materials shall be non-flammable and have a VOC content of not less than 100g/L. Measured by EPA method 24.

PART 3 - EXECUTION

3.1 WEATHER LIMITATIONS

- A. Do not install when rainfall in imminent or extremely high humidity prevents drying.
- B. Do not apply unless surface and air temperature are 50°F and rising.
- C. Do not apply if surface temperature is in excess of 140°F.

3.2 PREPARATION FOR ACRYLIC COLOR PLAYING SYSTEM

- A. Clean surfaces of loose dirt, oil, grease, leaves, and other debris in strict accordance with manufacturer's directions. Pressure washing will be necessary to adequately clean areas to be coated. Any areas previously showing algae growth shall be treated with Clorox or approved product to kill the organisms and then be properly rinsed.
- B. Holes and cracks: Cracks and holes shall be cleaned and a suitable soil sterilant, as approved by the Owner, shall be applied to kill all vegetation 14 days prior to use of Court Patch Binder according to manufacturer's specifications.
- C. Water Testing for courts: Check the finished surface of concrete for puddling by flooding the entire paved area with water. Any puddle holding water deeper than a five cent piece should be outlined with chalk and filled in accordance. It is the Contractor's responsibility to provide water for this test, which may include use of a City hydrant through the Hydrant Use Permit process, a water truck with sufficient volume to perform the test, or Parks irrigation if available at this location.
- D. Corrective work for puddling areas, or "Birdbaths" on courts:
 - Any areas holding enough water to cover a five cent piece (American coin) after draining a minimum of one hour at a minimum of 70 degrees Fahrenheit in sunlight should be outlined with chalk and the water swept out. After the area is cleaned and dried, fill area with Court Patch Binder Patching Mix or Owner approved equal. 3 gallons of Court Patch Binder, 100 lbs. 60-80 silica sand, 1gallon Dry Portland Cement (Type I). Allow tack coat to dry completely. This step shall be accomplished prior to the squeegee application of Acrylic Resurfacer and must be applied to the entire area within the chalk-line.
 - 2. Estimate the required quantity of the thin patching mixture to fill such "birdbaths." Apply it to the area, and strike it off with a straight-edge the length of which is in excess of the dimensions of the "birdbath." A proper strike-off will level such a birdbath to the same elevation as the surrounding surface. After the leveling

operation, the patch should be allowed to cure properly.

- 3. The patch material should be compatible with the surfacing material and should be used in accordance with the surfacing manufacturer's directions.
- 4. Upon acceptance of concrete paving surface, edges of courts to be clean, straight with square corners.
- 5. No work from this stage on shall commence until an inspector has accepted the surface.
- E. Filler Course. (Acrylic Resurfacer): Filler course shall be applied to the clean underlying surface in one application to obtain a total quantity of not less than .06 gallon per square yard based on the material prior to any dilution. Acrylic Resurfacer may be used to pre-coat depression and crack/hole repairs to achieve better planarity prior to filler course application.
 - 1. Over a properly repaired surface of concrete on existing courts, apply one coat of Acrylic Resurfacer according to the following mix:
 - a. Acrylic Resurfacer: 55 gallons.
 - b. Water: 20-40 gallons.
 - c. Sand: 600-800 pounds / 60-80 mesh.
 - d. Liquid Yield: 112-138 gallons.

On new concrete, two coats of Acrylic Resurfacer shall be used to properly fill all voids in the concrete surface. Use clean, dry 50-60 mesh sand and clean, potable water to make mixes. The quantity of sand and water in the above mix may be adjusted within above limits to complement the roughness and temperature of the surface.

- 2. Mix the ingredients thoroughly using accepted mixing devices and use a 70 Durometer rubber bladed squeegee to apply each coat of Acrylic Resurfacer as required.
- 3. Allow the application of Acrylic Resurfacer to dry thoroughly. Scrape off all ridges and rough spots prior to any subsequent application of Acrylic Resurfacer or subsequent cushion or color surface system.

3.3 APPLICATION OF ACRYLIC COLOR PLAYING SURFACE

- A. All areas to be color coated shall be clean, free from sand, clay, grease, dust, salt or other foreign matters. The Contractor shall obtain the Owner's approval, prior to applying any surface treatment.
- B. Blend color base and Plexichrome Ultra Performance with a mechanical mixer to achieve a uniform Fortified Plexipave mixture. The mix shall be:
 - 1. Color Base: 30 gallons.
 - 2. Plexichrom: 20 gallons.
 - 3. Water: 20 gallons.
- C. Application shall be made by 50 durometer rubber faced squeegees. The Fortified Plexipave mixture should be poured on to the court surface and spread to a uniform

thickness in a regular pattern.

D. A total of 3 applications of Fortified Plexipave shall be made to achieve a total application rate of not less than .15 gal./sy. No application should be made until the previous application is thoroughly dry.

3.4 INSTALLATION TOLERANCES

- A. Pavement Surface Smoothness for courts: Compact each course to produce a surface smoothness within the following tolerances and as defined below, as determined by using a 10-foot straightedge applied transversely or longitudinally to paved areas:
 - 1. Base Course: 1/4 inch.
 - 2. Surface Course: 1/8 inch.
 - 3. Surface Tolerances for the concrete surface shall comply with American Sports Builders Association / USTA requirements per "Tennis Courts, A Construction and Maintenance Manual" for:
 - a. Slope
 - b. Planarity
 - c. Evenness
 - d. Small Irregularities.
 - 4. Contractor shall demonstrate conformance with requirements prior to final court surfacing.

3.5 LINE PAINTING

A. Line shall be 2" wide unless otherwise noted on the drawings. Lines shall be carefully laid out in accordance with ASBA and USAPA guidelines. The area to be marked shall be taped to insure a crisp line. The California Line Paint shall have a texture similar to the surrounding play surface. Application shall be made by brush or roller at the rate of 150-200 sg./gal. (3/4 gal. per tennis court).

3.6 PROTECTION

- A. Erect temporary barriers to protect coatings during drying and curing.
- B. Lock gates to prevent use until acceptance by the Owner.

3.7 CLEAN UP

- A. Remove all containers, surplus materials and debris. Dispose of materials in accordance with local, state and Federal regulations.
- B. Leave site in a clean and orderly condition.

ATHLETIC SURFACING

END OF SECTION 323300

SECTION 323113 - CHAIN LINK FENCES AND GATES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Chain-link fence framework.
 - 2. Chain-link fence fabric.
 - 3. Chain-link fittings.
 - 4. Chain-link wires and ties.
 - 5. Chain-link swing gates.
- B. Related Requirements:
 - 1. Section 321313 "Concrete Paving" for cast-in-place concrete for post footings.

1.2 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.
 - 1. Review required testing, inspecting, and certifying procedures.

1.3 ACTION SUBMITTALS

- A. Product Data:
 - 1. For each type of product.
 - a. Fence and gate posts, rails, and fittings.
 - b. Chain-link fabric, reinforcements, and attachments.
 - c. Gates and hardware.
- B. Shop Drawings: For each type of fence and gate assembly.
 - 1. Include plans, elevations, sections, ground details, mounting, post spacing, and attachments to other work.
 - 2. Include accessories, and hardware.
- C. Samples for Verification: For each type of component with factory-applied finish, prepared on Samples of size indicated below:
 - 1. Polymer-Coated Components: In 6-inch lengths for components and on full-sized units for accessories.

1.4 INFORMATIONAL SUBMITTALS

- A. Product Certificates: For each type of chain-link fence, and gate.
- B. Product Test Reports: For framework strength in accordance with ASTM F1043, for tests performed by .
- C. Sample Warranty: For special warranty.

1.5 FIELD CONDITIONS

A. Field Measurements: Verify layout information for chain-link fences and gates shown on Drawings in relation to property survey and existing structures. Verify dimensions by field measurements.

1.6 WARRANTY

- A. Special Warranty: Installer agrees to repair or replace components of fences and gates that fail in materials or workmanship within specified warranty period.
 - 1. Failures include, but are not limited to, the following:
 - a. Failure to comply with performance requirements.
 - b. Deterioration of metals, metal finishes, and other materials beyond normal weathering.
 - 2. Warranty Period: 15 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Structural Performance: Chain-link fence and gate frameworks are to withstand the design wind loads and stresses for fence height(s) and under exposure conditions indicated in accordance with ASCE/SEI 7.
 - 1. Design Wind Load:
 - a. Minimum Post Size: Determine in accordance with ASTM F1043 for post spacing not to exceed 10 feet for Material Group IA, ASTM F1043, Schedule 40 steel pipe.
 - b. Minimum Post Size and Maximum Spacing: Determine in accordance with CLFMI WLG 2445, based on mesh size and pattern specified.
- B. Lightning Protection System: Maximum resistance-to-ground value of 25 ohms at each grounding location along fence under normal dry conditions.

C. Accessibility: Pedestrian gates to comply with the United States Access Board's ADA-ABA Accessibility Guidelines.

2.2 CHAIN-LINK FENCES, GENERAL

- A. CLFMI Publications: Comply with the CLFMI Product Manual unless modified by requirements in the Contract Documents.
- B. Chain-Link Fence and Gate Assemblies: Include materials applicable for a complete assembly of application types, consisting of commercial, industrial, and security chain-link fences and gates.
 - 1. Source Limitations: Obtain chain-link fence and gate components from single source or manufacturer.

2.3 CHAIN-LINK FENCE FRAMEWORK

- A. Posts and Rails: ASTM F1043 for framework, including rails, braces, and line; terminal; and corner posts. Provide members with minimum dimensions and wall thicknesses in accordance with ASTM F1043 based on the following:
 - 1. Fence Height: As indicated on Drawings.
 - 2. Heavy-Industrial-Strength Material: Group IC, round steel pipe, electricresistance-welded pipe.
 - a. Line Post: As indicated on Drawings.
 - b. End, Corner, and Pull Posts: As indicated on Drawings.
 - 3. Horizontal Framework Members: Intermediate, top, and, bottom rails in accordance with ASTM F1043.
 - 4. Brace Rails: ASTM F1043.
 - 5. Metallic Coating for Steel Framework:
 - a. Type A: Not less than minimum 2.0 oz./sq. ft. average zinc coating in accordance with ASTM A123/A123M or 4.0 oz./sq. ft. zinc coating in accordance with ASTM A653/A653M.
 - b. Type B: Zinc with organic overcoat, consisting of a minimum of 0.9 oz./sq. ft. of zinc after welding, a chromate conversion coating, and a clear, verifiable polymer film.
 - c. External, Type B: Zinc with organic overcoat, consisting of a minimum of 0.9 oz./sq. ft. of zinc after welding, a chromate conversion coating, and a clear, verifiable polymer film. Internal, Type D, consisting of 81 percent, not less than 0.3-mil- thick, zinc-pigmented coating.
 - d. Type C: Zn-5-Al-MM alloy, consisting of not less than 1.8 oz./sq. ft. coating.
 - e. Coatings: Any coating above.
 - 6. Polymer coating over metallic coating.

a. Color: Black, in accordance with ASTM F934.

2.4 CHAIN-LINK FENCE FABRIC

- A. General: Provide fabric in one-piece heights measured between top and bottom of outer edge of selvage knuckle or twist in accordance with "CLFMI Product Manual" and requirements indicated below:
 - 1. Fabric Height: As indicated on Drawings.
 - 2. Steel Wire for Fabric: Wire diameter of 0.148 inch.
 - a. Mesh Size: 2 inches.
 - b. Aluminum-Coated Fabric: ASTM A491, Type I, 0.30 oz./sq. ft.
 - c. Zinc-Coated Fabric: ASTM A392, Type II, Class 1, 1.2 oz./sq. ft. with zinc coating applied before weaving.
 - d. Coat selvage ends of metallic-coated fabric before the weaving process with manufacturer's standard clear protective coating.
 - 3. Selvage: Knuckled at both selvages.

2.5 CHAIN-LINK FITTINGS

- A. Provide fittings in accordance with ASTM F626.
- B. Finish:
 - 1. Metallic Coating for Pressed Steel or Cast Iron: Not less than 1.2 oz./sq. ft. of zinc.
 - a. Polymer coating over metallic coating.
 - 2. Aluminum: Mill finish.

2.6 CHAIN-LINK SWING GATES

- A. General: ASTM F900 for gate posts and single swing gate types.
 - 1. Gate Leaf Width: As indicated.
 - 2. Framework Member Sizes and Strength: Based on gate fabric height as indicated.
- B. Swing Gate Pipe and Tubing:
 - 1. Swing Gate Posts: Round tubular steel.
 - 2. Gate Frames and Bracing: Round tubular steel.
 - 3. Zinc-Coated Steel: ASTM F1043 and ASTM F1083; protective coating and finish to match fence framework.
 - 4. Aluminum: ASTM B429/B429M; manufacturer's standard finish.

- C. Swing Frame Corner Construction: assembled with corner fittings.
- D. Swing Gate Hardware:
 - 1. Hinges: 360-degree inward and outward swing.
 - 2. Latch: Permitting operation from both sides of gate with provision for padlocking accessible from both sides of gate.

2.7 ACCESSORIES

A. Touch-up Paint: Liquid polymer for field coating with polymer coated fencing components as recommended by manufacturer.

2.8 GROUT AND ANCHORING CEMENT

- A. Nonshrink, Nonmetallic Grout: Factory-packaged, nonstaining, noncorrosive, nongaseous grout complying with ASTM C1107/C1107M. Provide grout, recommended in writing by manufacturer, for exterior applications.
- B. Anchoring Cement: Factory-packaged, nonshrink, nonstaining, hydraulic-controlled expansion cement formulation for mixing with water at Project site to create pourable anchoring, patching, and grouting compound. Provide formulation that is resistant to erosion from water exposure without needing protection by a sealer or waterproof coating, and that is recommended in writing by manufacturer for exterior applications.

2.9 CONCRETE

A. Concrete Post Footings: Minimum 28-day compressive strength of 2500 psi.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine areas and conditions, with Installer present, for compliance with requirements for site clearing, earthwork, pavement work, and other conditions affecting performance of the Work.
 - 1. Do not begin installation before final grading is completed unless otherwise permitted by Architect.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Stake locations of fence lines, gates, and terminal posts. Do not exceed intervals of

500 feet or line of sight between stakes. Indicate locations of utilities, lawn sprinkler system, underground structures, benchmarks, and property monuments.

3.3 INSTALLATION OF CHAIN-LINK FENCES

- A. Install chain-link fencing in accordance with ASTM F567 and more stringent requirements specified.
- B. Post Excavation: Drill or hand-excavate holes for posts to diameters and spacings indicated, in firm, undisturbed soil.
- C. Post Setting: Set posts in concrete at indicated spacing into firm, undisturbed soil.
 - 1. Verify that posts are set plumb, aligned, and at correct height and spacing, and hold in position during setting with concrete or mechanical devices.
 - 2. Concrete Fill: Place concrete around posts to dimensions indicated and vibrate or tamp for consolidation. Protect aboveground portion of posts from concrete splatter.
 - a. Concealed Concrete: Place top of concrete below grade as indicated on Drawingsto allow covering with surface material.
- D. Terminal Posts: Install terminal end, corner, and gate posts in accordance with ASTM F567 and terminal pull posts at changes in horizontal or vertical alignment of as indicated on Drawings. For runs exceeding 500 feet, space pull posts an equal distance between corner or end posts.
- E. Post Bracing and Intermediate Rails: Install in accordance with ASTM F567, maintaining plumb position and alignment of fence posts. Diagonally brace terminal posts to adjacent line posts with truss rods and turnbuckles. Install braces at end and gate posts and at both sides of corner and pull posts.
 - 1. Locate horizontal braces at midheight of fabric or higher, on fences with top rail. Install so posts are plumb when diagonal rod is under proper tension.
- F. Top Rail: Install in accordance with ASTM F567, maintaining plumb position and alignment of fence posts. Run rail continuously through line post caps, bending to radius for curved runs and terminating into rail end attached to posts or post caps fabricated to receive rail at terminal posts. Provide expansion couplings as recommended in writing by fencing manufacturer.
- G. Intermediate and Bottom Rails: Secure to posts with fittings.
- H. Chain-Link Fabric: Apply fabric to inside of enclosing framework. Leave 2-inch bottom clearance between finish grade or surface and bottom selvage unless otherwise indicated. Pull fabric taut and tie to posts, rails, and tension wires. Anchor to framework so fabric remains under tension after pulling force is released.
- I. Tension or Stretcher Bars: Thread through fabric and secure to end, corner, pull, and

gate posts, with tension bands spaced not more than 15 inches o.c.

3.4 INSTALLATION OF GATES

A. Install gates in accordance with manufacturer's written instructions, level, plumb, and secure for full opening without interference. Attach fabric as for fencing. Attach hardware using tamper-resistant or concealed means. Install ground-set items in concrete for anchorage. Adjust hardware for smooth operation.

3.5 FIELD QUALITY CONTROL

- A. Testing Agency: Owner will engage a qualified testing agency to perform tests.
- B. Prepare test reports.

3.6 ADJUSTING

- A. Gates: Adjust gates to operate smoothly, easily, and quietly, free of binding, warp, excessive deflection, distortion, nonalignment, misplacement, disruption, or malfunction, throughout entire operational range. Confirm that latches and locks engage accurately and securely without forcing or binding.
- B. Lubricate hardware and other moving parts.

END OF SECTION 323113

SECTION 323119 - DECORATIVE METAL FENCES AND GATES (ALTERNATE 2)

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Ornamental metal fences and gates as part of Alternate 2 as indicated in Invitation to Bidders and as shown on Drawings.
- B. Related Requirements:
 - 1. Section 321313 "Concrete Paving" for concrete.

1.2 PREINSTALLATION MEETINGS

A. Preinstallation Conference: Conduct conference at Project site.

1.3 ACTION SUBMITTALS

- A. Product Data:
 - 1. For each type of product.
- B. Shop Drawings: For fencing and gates.
 - 1. Include plans, elevations, sections, gate locations, post spacing, details.

1.4 INFORMATIONAL SUBMITTALS

- A. Field quality-control reports.
- B. Product Test Reports: For decorative metallic-coated-steel tubular picket fences, including finish, indicating compliance with referenced standards and other specified requirements.

1.5 QUALITY ASSURANCE

A. Installer Qualifications: Fabricator of products.

PART 2 - PRODUCTS

- 2.1 MATERIAL
 - A. Ornamental fencing and gates.
 - 1. Manufacturer: Ameristar® Perimeter Security USA Inc.
 - a. The fence system shall conform to Ameristar WireWorks Plus design by Ameristar Fence Products, Inc. in Tulsa, Oklahoma.
 - 2. Model: WireWorks Plus® Commercial Welded Wire Architectural Fence System
 - 3. Gate and Fence Heights: 96 inches
 - 4. Colors: Black.

2.2 FABRICATION

- A. Panels and posts shall be precut to specified lengths. Panels shall have a number of structural folds based on the specified panel height as follows:
 - 1. 96" height x 96" width panel 4 horizontal panel folds
 - a. Width of panels vary, see plans.
- B. The manufactured panels and posts shall be subjected to the PermaCoat® thermal stratification coating process (high-temperature, in-line, multi-stage, multi-layer) including, as a minimum, a six-stage pretreatment/wash, an electrostatic spray application of an epoxy base, and a separate electrostatic spray application of a polyester finish. The base coat shall be a thermosetting epoxy powder coating (gray in color) with a minimum thickness of 2 mils (0.0508mm). The topcoat shall be a "no-mar" TGIC polyester powder coat finish with a minimum thickness of 2 mils (0.0508mm). The color shall be (specify Black, Bronze, White, or Desert Sand).
- C. Swing gates shall be fabricated using 2" x 12ga square rails and gate ends. Gates that exceed 6' in width will have a 2" sq. x 12ga. intermediate upright. All rail, upright, and gate end intersections shall be joined by welding. Steel gussets (1/4" x 2") shall be welded at each rail to gate end intersection and rail to intermediate intersections (4 gussets per gate bay). Gusset shall be punched to accept gate trussing cable and turnbuckle.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine areas and conditions, with Installer present, for compliance with requirements for site clearing, earthwork, pavement work, construction layout, and other conditions affecting performance of the Work.

- B. Do not begin installation before final grading is completed unless otherwise permitted by Architect.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Stake locations of fence lines, gates, and terminal posts. Do not exceed intervals of 500 ft. or line of sight between stakes. Indicate locations of utilities, lawn sprinkler system, underground structures, benchmarks, and property monuments.

3.3 INSTALLATION OF DECORATIVE FENCES

- A. Install fences in accordance with manufacturer's written instructions.
- B. Install fences by setting posts as indicated on Drawings.
- C. Post Excavation: Drill or hand-excavate holes for posts in firm, undisturbed soil. Excavate holes to a diameter of not less than 4 times post size and a depth of not less than 24 inches or as indicated on Drawings, whichever is deeper.
- D. Post Setting: Set posts in concrete at indicated spacing into firm, undisturbed soil.
 - 1. Verify that posts are set plumb, aligned, and at correct height and spacing, and hold in position during setting with concrete or mechanical devices.
 - 2. Concrete Fill: Place concrete around posts and vibrate or tamp for consolidation. Protect aboveground portion of posts from concrete splatter.
 - a. Concealed Concrete: Top of concrete below grade as indicated on Drawings to allow covering with surface material. Slope top surface of concrete to drain water away from post.
 - 3. Posts Set in Concrete: Extend post to within 6 inches of specified excavation depth, but not closer than 3 inches to bottom of concrete.
 - 4. Space posts uniformly o.c. as indicated on Drawings.

3.4 INSTALLATION OF GATES

A. Install gates in accordance with manufacturer's written instructions, level, plumb, and secure for full opening without interference. Attach hardware using tamper-resistant or concealed means. Install ground-set items in concrete for anchorage. Adjust hardware for smooth operation and lubricate where necessary.

3.5 ADJUSTING

A. Gates: Adjust gates to operate smoothly, easily, and quietly, free of binding, warp, excessive deflection, distortion, nonalignment, misplacement, disruption, or

malfunction, throughout entire operational range. Confirm that latches and locks engage accurately and securely without forcing or binding.

B. Lubricate hardware and other moving parts.

END OF SECTION 323119

SECTION 323300 - SITE FURNISHINGS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Benches.
 - 2. Bicycle racks.
 - 3. Waste / Recycle receptacles.
 - 4. Pickleball equipment.
 - 5. Basketball equipment.
- B. Related Requirements:
 - 1. Section 321313 "Concrete Paving" for installing anchor bolts and posts cast in concrete.
- 1.2 ACTION SUBMITTALS
 - A. Product Data: For each type of product.
 - B. Product Schedule: For site furnishings. Use same designations indicated on Drawings.
- 1.3 CLOSEOUT SUBMITTALS
 - A. Maintenance Data: For site furnishings to include in maintenance manuals.

1.4 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
 - 1. Anchors: 1/2" diameter stainless steel wedge anchors, length as required.

PART 2 - PRODUCTS

- 2.1 SITE FURNITURE
 - A. Bench Type 1 (Owner Furnished-Contractor Installed).
 - 1. Manufacturer: Paris Site Furnishings.

SITE FURNISHINGS

- 2. Model: Vintage Premier Bench with Aluminum Frame Castings & Steel Slat Seating.
 - a. 6' Model: VP6 or approved equal.
- 3. Details: Surface mounted as indicated on Drawings.
- B. Bench Type 2 (Owner Furnished-Contractor Installed).
 - 1. Manufacturer: Paris Site Furnishings.
 - 2. Model: Vintage Premier Bench with Aluminum Frame Castings & Steel Slat Seating
 - a. 6' Model: VPB6 or approved equal.
 - b. Backless with arm rests.
 - 3. Details: Surface mounted as indicated on Drawings.
- C. Waste / Recycle Receptacle (Owner Furnished-Contractor Installed).
 - 1. Manufacturer/Model: Dual waste/recycle receptacle as supplied by Owner.
 - 2. Details: Surface mounted as indicated on Drawings.
- D. Bike rack (Owner Furnished-Contractor Installed)
 - 1. Manufacturer: Madrax.
 - 2. Model: UX Bike Rack or approved equal.
 - 3. Details:
 - a. 1-7/8 inch diameter tube size.
 - b. Include lean bar.
 - c. Color: Black powder coated.
 - d. Surface mounted as indicated on Drawings.
- E. Pickleball Post (Contractor Supply and Install)
 - 1. Manufacturer: Douglas Sports Equipment or approved equal.
 - 2. Model: Douglas SW-Deluxe Pickleball Posts.
 - 3. Color: Green (Item #63078).
 - 4. Details: As indicated on Drawings.
- F. Pickleball Netting (Contractor Supply and Install)
 - 1. Manufacturer: Douglas Sports Equipment or approved equal.
 - 2. Model: Douglas JTN-30 QuickStart/Pickleball Tennis Net #20105.
- G. Basketball Equipment (Contractor Supply and Install)
 - 1. Manufacturer: Bison, Inc. or approved equal.
 - 2. Model: BAB873-BK, Ultimate 42"x72" Basketball System
 - 3. Details: 42"x72" Glass Backboard, BA32S Breakaway Goals, Black Pole Finish.

a. Additional details as indicated on Drawings.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine areas and conditions, with Installer present, for compliance with requirements for correct and level finished grade, mounting surfaces, installation tolerances, and other conditions affecting performance of the Work.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Comply with manufacturer's written installation instructions unless more stringent requirements are indicated. Complete field assembly of site furnishings where required.
- B. Unless otherwise indicated, install site furnishings after landscaping and paving have been completed.
- C. Install site furnishings level, plumb, true, and securely anchored at locations indicated on Drawings.
- D. Post Setting: Set cast-in support posts in concrete footing with smooth top, shaped to shed water. Protect portion of posts above footing from concrete splatter. Verify that posts are set plumb or at correct angle and are aligned and at correct height and spacing. Hold posts in position during placement and finishing operations until concrete is sufficiently cured.

END OF SECTION 323300

SECTION 328400 - PLANTING IRRIGATION

PART 1 - GENERAL

1.1 DEFINITIONS

- A. Circuit Piping: Downstream from control valves to sprinklers, specialties, and drain valves. Piping is under pressure during flow.
- B. Drain Piping: Downstream from circuit-piping drain valves. Piping is not under pressure.
- C. ET Controllers: EvapoTranspiration Controllers. Irrigation controllers, which use some method of weather-based adjustment of irrigation. These adjusting methods include use of historical monthly averages of ET, broadcasting of ET measurements, or use of on-site sensors to track ET.
- D. Main Piping: Downstream from point of connection to water distribution piping to, and including, control valves. Piping is under water-distribution-system pressure.
- E. Low Voltage: As defined in NFPA 70 for circuits and equipment operating at less than 50 V or for remote-control, signaling power-limited circuits.

1.2 ACTION SUBMITTALS

- A. Product Data:
 - 1. Pipes, tubes, and fittings.
 - 2. Encasement for piping.
 - 3. Manual valves.
 - 4. Pressure-reducing valves.
 - 5. Automatic control valves.
 - 6. Automatic drain valves.
 - 7. Transition fittings.
 - 8. Dielectric fittings.
 - 9. Miscellaneous piping specialties.
 - 10. Sprinklers.
 - 11. Drip irrigation specialties.
 - 12. Boxes for automatic control valves.
 - 13. Include rated capacities, operating characteristics, electrical characteristics, and furnished specialties and accessories.
- B. Wiring Diagrams: For power, signal, and control wiring.

1.3 INFORMATIONAL SUBMITTALS

- A. Zoning Chart: Indicate each irrigation zone and its control valve.
- B. Controller Timing Schedule: Indicate timing settings for each automatic controller zone.
- C. Field Quality-Control Submittals:
 - 1. Field quality-control reports.
- D. Qualification Statements: For Installer.

1.4 CLOSEOUT SUBMITTALS

A. Operation and Maintenance Data: For sprinklers and automatic control valves to include in operation and maintenance manuals.

1.5 MAINTENANCE MATERIAL SUBMITTALS

- A. Extra Stock Material: Furnish extra materials to Owner that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
 - 1. Spray and Rotor Sprinklers: Equal to five percent of amount installed for each type and size indicated, but no fewer than three units.
 - 2. Drip-Tube System Tubing: Equal to five percent of total length installed for each type and size indicated, but not less than 100 ft.
- B. Schedule of maintenance material items.

1.6 QUALITY ASSURANCE

- A. Qualifications:
 - 1. Installers: Entity that employs a Certified Irrigation Designer Landscape qualified by the Irrigation Association.
- B. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

1.7 DELIVERY, STORAGE, AND HANDLING

A. Deliver piping with factory-applied end caps. Maintain end caps through shipping, storage, and handling to prevent pipe-end damage and entrance of dirt, debris, and moisture.

B. Store plastic piping protected from direct sunlight. Support piping to prevent sagging and bending.

1.8 FIELD CONDITIONS

- A. Interruption of Existing Water Service: Do not interrupt water service to facilities occupied by Owner or others unless permitted under the following conditions and then only after arranging to provide temporary water service according to requirements indicated:
 - 1. Notify Owner no fewer than two days in advance of proposed interruption of water service.
 - 2. Do not proceed with interruption of water service without Owner's written permission.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Irrigation Zone Control: Automatic operation with controller and automatic control valves.
- B. Location of Sprinklers and Specialties: Design location is approximate. Make minor adjustments necessary to avoid plantings and obstructions, such as signs and light standards. Maintain 100 percent irrigation coverage of areas indicated.
- C. Minimum Working Pressures: The following are minimum pressure requirements for piping, valves, and specialties unless otherwise indicated:
 - 1. Circuit Piping: 150 psig.

2.2 PIPES, TUBES, AND FITTINGS

- A. Comply with requirements in "Piping Schedule" Article for applications of pipe, tube, and fitting materials, and for joining methods for specific services, service locations, and pipe sizes.
- B. Galvanized-Steel Pipe: ASTM A53/A53M, Standard Weight, Type E, Grade B.
 - 1. Galvanized-Steel Pipe Nipples: ASTM A733, made of ASTM A53/A53M or ASTM A106/A106M, Standard Weight, seamless-steel pipe with threaded ends.
 - 2. Galvanized, Gray-Iron Threaded Fittings: ASME B16.4, Class 125, standard pattern.
 - 3. Malleable-Iron Unions: ASME B16.39, Class 150, hexagonal-stock body with ball-and-socket, metal-to-metal, bronze seating surface, and female threaded ends.
 - 4. Cast-Iron Flanges: ASME B16.1, Class 125.

- C. Ductile-Iron Pipe with Mechanical Joints: AWWA C151, with mechanical-joint bell and spigot ends.
 - 1. Mechanical-Joint, Ductile-Iron Fittings: AWWA C110, ductile- or gray-iron standard pattern or AWWA C153, ductile-iron compact pattern.
 - a. Glands, Gaskets, and Bolts: AWWA C111, ductile- or gray-iron glands, rubber gaskets, and steel bolts.
- D. Ductile-Iron Pipe with Push-on Joint: AWWA C151, with push-on-joint bell and spigot ends.
 - 1. Push-on-Joint, Ductile-Iron Fittings: AWWA C110, ductile- or gray-iron standard pattern or AWWA C153, ductile-iron compact pattern.
 - a. Gaskets: AWWA C111 rubber.
- E. PE Pipe with Controlled ID: ASTM D2239, PE 3408 compound; SIDR 11.5.
 - 1. Insert Fittings for PE Pipe: ASTM D2609, nylon or propylene plastic with barbed ends. Include bands or other fasteners.
- F. PE Pipe with Controlled OD: ASTM D3035, PE 3408 compound, SIDR 11.
 - 1. PE Butt, Heat-Fusion Fittings: ASTM D3261.
 - 2. PE Socket-Type Fittings: ASTM D2683.
- G. PE Pressure Pipe: AWWA C906, with DR of 7.3, 9, or 9.3 and PE compound number required to give pressure rating of not less than 200 psig.
 - 1. PE Butt, Heat-Fusion Fittings: ASTM D3261.
 - 2. PE Socket-Type Fittings: ASTM D2683.
- H. PVC Pipe: ASTM D1785, PVC 1120 compound, Schedule 40.
 - 1. PVC Socket Fittings: ASTM D2466, Schedule 40.
 - 2. PVC Threaded Fittings: ASTM D2464, Schedule 80.
 - 3. PVC Socket Unions: Construction similar to that of MSS SP-107, except both headpiece and tailpiece shall be PVC with socket ends.
- I. PVC Pipe, Pressure Rated: ASTM D2241, PVC 1120 compound, SDR 21.
 - 1. PVC Socket Fittings: ASTM D2467, Schedule 80.
 - 2. PVC Socket Unions: Construction similar to that of MSS SP-107, except both headpiece and tailpiece shall be PVC with socket or threaded ends.

2.3 PIPING JOINING MATERIALS

A. Pipe-Flange Gasket Materials: AWWA C110, rubber, flat face, 1/8 inch thick unless otherwise indicated; full-face or ring type unless otherwise indicated.

- B. Metal, Pipe-Flange Bolts and Nuts: ASME B18.2.1, carbon steel unless otherwise indicated.
- C. Brazing Filler Metals: AWS A5.8/A5.8M, BCuP Series, copper-phosphorus alloys for general-duty brazing unless otherwise indicated.
- D. Solder Filler Metals: ASTM B32, lead-free alloys. Include water-flushable flux in accordance with ASTM B813.
- E. Solvent Cements for Joining PVC Piping: ASTM D2564. Include primer in accordance with ASTM F656.
- F. Plastic, Pipe-Flange Gasket, Bolts, and Nuts: Type and material recommended by piping system manufacturer unless otherwise indicated.
- 2.4 MANUAL VALVES
 - A. Curb-Valve Casing:
 - 1. Standard: Similar to AWWA M44 for cast-iron valve casings.
 - 2. Top Section: Telescoping, of length required for depth of burial of curb valve.
 - 3. Barrel: Approximately 3-inch diameter.
 - 4. Plug: With lettering "WATER."
 - 5. Bottom Section: With base of size to fit over valve.
 - 6. Base Support: Concrete collar or wood frame.
 - B. Shutoff Rods for Curb-Valve Casings: Furnish one steel, tee-handle shutoff rod(s) with one pointed end, stem of length to operate deepest buried valve, and slotted end matching curb valve for Project.
 - C. Iron Gate Valve Casings:
 - 1. Standard: AWWA M44 for cast-iron valve casings.
 - 2. Top Section: Adjustable extension of length required for depth of burial of valve.
 - 3. Barrel: Approximately 5-inch diameter.
 - 4. Plug: With lettering "WATER."
 - 5. Bottom Section: With base of size to fit over valve.
 - 6. Base Support: Concrete collar or wood frame.
 - D. Operating Wrenches for Iron Gate Valve Casings: Furnish one steel, tee-handle operating wrench(es) with one pointed end, stem of length to operate deepest buried valve, and socket matching valve operating nut for Project.

2.5 TRANSITION FITTINGS

A. General Requirements: Same size as, and with pressure rating at least equal to and with ends compatible with, piping to be joined.

2.6 DIELECTRIC FITTINGS

A. General Requirements: Assembly of copper alloy and ferrous materials or ferrous material body with separating nonconductive insulating material suitable for system fluid, pressure, and temperature.

2.7 MISCELLANEOUS PIPING SPECIALTIES

- A. Water Hammer Arresters: ASSE 1010 or PDI WH 201, with bellows or piston-type pressurized cushioning chamber and in sizes complying with PDI WH 201, Sizes A to F.
- B. Pressure Gages: ASME B40.1. Include 4-1/2-inch- diameter dial, dial range of two times system operating pressure, and bottom outlet.

2.8 SPRINKLERS

A. General Requirements: As indicated on Drawings.

2.9 BOXES FOR AUTOMATIC CONTROL VALVES

A. Drainage Backfill: Cleaned gravel or crushed stone, graded from 3/4 inch minimum to 3 inches maximum.

PART 3 - EXECUTION

3.1 EARTHWORK

- A. Excavating, trenching, and backfilling are specified in Section 312000 "Earth Moving."
- B. Install warning tape directly above pressure piping, 6 inches above top of mainline piping.
- C. Drain Pockets: Excavate to sizes indicated. Backfill with cleaned gravel or crushed stone, graded from 3/4 to 3 inches, to 12 inches below grade. Cover gravel or crushed stone with sheet of asphalt-saturated felt and backfill remainder with excavated material.
- D. Provide minimum cover over top of underground piping according to the following:
 - 1. Irrigation Main Piping: Minimum depth of 24 inches below finished grade.
 - 2. Circuit Piping: 18 inches.
 - 3. Drain Piping: 18 inches.
 - 4. Sleeves: 24 inches.

3.2 PREPARATION

A. Set stakes to identify locations of proposed irrigation system. Obtain Architect's approval before excavation.

3.3 INSTALLATION OF PIPING

- A. Location and Arrangement: Drawings indicate location and arrangement of piping systems. Install piping as indicated unless deviations are approved on Coordination Drawings.
- B. Install piping at minimum uniform slope of 0.5 percent down toward drain valves.
- C. Install piping free of sags and bends.
- D. Install groups of pipes parallel to each other, spaced to permit valve servicing.
- E. Install fittings for changes in direction and branch connections.
- F. Install unions adjacent to valves and to final connections to other components with NPS 2 or smaller pipe connection.
- G. Install flanges adjacent to valves and to final connections to other components with NPS 2-1/2 or larger pipe connection.
- H. Install underground thermoplastic piping in accordance with ASTM D2774.
- I. Install expansion loops in control-valve boxes for plastic piping.
- J. Lay piping on solid subbase, uniformly sloped without humps or depressions.
- K. Install ductile-iron piping in accordance with AWWA C600.
- L. Install PVC piping in dry weather when temperature is above 40 deg F. Allow joints to cure at least 24 hours at temperatures above 40 deg F before testing.
- M. Install water regulators with shutoff valve and strainer on inlet and pressure gage on outlet. Install shutoff valve on outlet. Install aboveground or in control-valve boxes.
- N. Water Hammer Arresters: Install between connection to building main and circuit valves aboveground or in control-valve boxes.
- O. Install piping in sleeves under parking lots, roadways, and sidewalks.
- P. Install sleeves made of Schedule 40, PVC pipe and socket fittings, and solventcemented joints.
- Q. Install transition fittings for plastic-to-metal pipe connections according to the following:
 - 1. Underground Piping:

- a. NPS 1-1/2 and Smaller: Plastic-to-metal transition fittings.
- b. NPS 2 and Larger: AWWA transition couplings.

3.4 JOINT CONSTRUCTION

- A. Ream ends of pipes and tubes and remove burrs. Bevel plain ends of steel pipe.
- B. Remove scale, slag, dirt, and debris from inside and outside of pipe and fittings before assembly.
- C. Threaded Joints: Thread pipe with tapered pipe threads in accordance with ASME B1.20.1. Cut threads full and clean using sharp dies. Ream threaded pipe ends to remove burrs and restore full ID. Join pipe fittings and valves as follows:
 - 1. Apply appropriate tape or thread compound to external pipe threads unless dry seal threading is specified.
 - 2. Damaged Threads: Do not use pipe or pipe fittings with threads that are corroded or damaged. Do not use pipe sections that have cracked or open welds.
- D. Flanged Joints: Select rubber gasket material of size, type, and thickness for service application. Install gasket concentrically positioned. Use suitable lubricants on bolt threads.
- E. PE Piping Fastener Joints: Join with insert fittings and bands or fasteners in accordance with piping manufacturer's written instructions.
- F. PVC Piping Solvent-Cemented Joints: Clean and dry joining surfaces. Join pipe and fittings in accordance with the following:
 - 1. Comply with ASTM F402 for safe-handling practice of cleaners, primers, and solvent cements.
 - 2. PVC Pressure Piping: Join schedule number, ASTM D1785, PVC pipe and PVC socket fittings in accordance with ASTM D2672. Join other-than-schedule-number PVC pipe and socket fittings in accordance with ASTM D2855.
 - 3. PVC Nonpressure Piping: Join in accordance with ASTM D2855.

3.5 INSTALLATION OF VALVES

- A. Underground Curb Valves: Install in curb-valve casings with tops flush with grade.
- B. Underground Iron Gate Valves, Resilient Seat: Comply with AWWA C600 and AWWA M44. Install in valve casing with top flush with grade.
 - 1. Install valves and PVC pipe with restrained, gasketed joints.
- C. Aboveground Valves: Install as components of connected piping system.
- D. Pressure-Reducing Valves: Install in boxes for automatic control valves or aboveground between shutoff valves.[Install full-size valved bypass.]

- E. Throttling Valves: Install in underground piping in boxes for automatic control valves.
- F. Drain Valves: Install in underground piping in boxes for automatic control valves.

3.6 CONNECTIONS

- A. Drawings indicate general arrangement of piping, fittings, and specialties.
- B. Install piping adjacent to equipment, valves, and devices to allow service and maintenance.
- C. Connect wiring between controllers and automatic control valves.

3.7 IDENTIFICATION

A. Warning Tapes: Arrange for installation of continuous, underground, detectable warning tapes over underground piping during backfilling of trenches. See Section 312000 "Earth Moving" for warning tapes.

3.8 FIELD QUALITY CONTROL

- A. Manufacturer's Field Service: Engage a factory-authorized service representative to inspect, test, and adjust components, assemblies, and equipment installations, including connections.
- B. Perform tests and inspections.
 - 1. Manufacturer's Field Service with Test Assistance: Engage a factory-authorized service representative to inspect components, assemblies, and equipment installations, including connections, and to assist in testing.
- C. Tests and Inspections:
 - 1. Leak Test: After installation, charge system and test for leaks. Repair leaks and retest until no leaks exist.
 - 2. Operational Test: After electrical circuitry has been energized, operate controllers and automatic control valves to confirm proper system operation.
 - 3. Test and adjust controls and safeties. Replace damaged and malfunctioning controls and equipment.
 - 4. Irrigation system will be considered defective if it does not pass tests and inspections.
- D. Prepare test and inspection reports.

3.9 STARTUP SERVICE

A. Perform startup service.

- 1. Complete installation and startup checks in accordance with manufacturer's written instructions.
- 2. Verify that electrical wiring installation complies with manufacturer's submittal.

3.10 ADJUSTING

- A. Adjust automatic control valves to provide flow rate at rated operating pressure required for each sprinkler circuit.
- B. Adjust sprinklers and devices so they will be flush with, or not more than 1/2 inch above, finish grade.

3.11 CLEANING

- A. Flush dirt and debris from piping before installing sprinklers and other devices.
- 3.12 PIPING SCHEDULE
 - A. Install components having pressure rating equal to or greater than system operating pressure.
 - B. Piping in control-valve boxes may be joined with flanges or unions instead of joints indicated.
 - C. Circuit Piping:
 - 1. NPS 2 and Smaller:
 - a. Schedule 40, PVC pipe and socket fittings; and solvent-cemented joints.
 - b. SDR 26, PVC, pressure-rated pipe; Schedule 40, PVC socket fittings; and solvent-cemented joints.
 - 2. NPS 2-1/2 to NPS 4:
 - a. Schedule 40, PVC pipe and socket fittings; and solvent-cemented joints.
 - D. Underground Branches and Offsets at Sprinklers and Devices: Schedule 80, PVC pipe; threaded PVC fittings; and threaded joints.
 - 1. Option: Plastic swing-joint assemblies, with offsets for flexible joints, manufactured for this application.
 - E. Risers to Aboveground Sprinklers and Specialties:
 - 1. As indicated on Drawings.
 - F. Drain piping shall be one of the following:

- 1. SIDR 9, 11.5, or 15; PE, controlled ID pipe; insert fittings for PE pipe; and banded or fastener joints.
- 2. Schedule 40, PVC pipe and socket fittings; and solvent-cemented joints.
- 3. SDR 21, 26, or 32.5; PVC, pressure-rated pipe; Schedule 40, PVC socket fittings; and solvent-cemented joints.
- 3.13 VALVE SCHEDULE
 - A. Underground, Shutoff-Duty Valves: Use the following:
 - 1. As indicated on Drawings.

END OF SECTION 328400

SECTION 329113 - SOIL PREPARATION

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes planting soils specified by composition of the mixes.
- B. Related Requirements:
 - 1. Section 311000 "Site Clearing" for topsoil stripping and stockpiling.
 - 2. Section 329200 "Turf and Grasses" for placing planting soil for turf and grasses.
 - 3. Section 329300 "Plants" for placing planting soil for plantings.

1.2 DEFINITIONS

- A. AAPFCO: Association of American Plant Food Control Officials.
- B. Backfill: The earth used to replace or the act of replacing earth in an excavation. This can be amended or unamended soil as indicated.
- C. CEC: Cation exchange capacity.
- D. Compost: The product resulting from the controlled biological decomposition of organic material that has been sanitized through the generation of heat and stabilized to the point that it is beneficial to plant growth.
- E. Duff Layer: A surface layer of soil, typical of forested areas, that is composed of mostly decayed leaves, twigs, and detritus.
- F. Imported Soil: Soil that is transported to Project site for use.
- G. Layered Soil Assembly: A designed series of planting soils, layered on each other, that together produce an environment for plant growth.
- H. Manufactured Soil: Soil produced by blending soils, sand, stabilized organic soil amendments, and other materials to produce planting soil.
- I. NAPT: North American Proficiency Testing Program. An SSSA program to assist soil-, plant-, and water-testing laboratories through interlaboratory sample exchanges and statistical evaluation of analytical data.
- J. Organic Matter: The total of organic materials in soil exclusive of undecayed plant and animal tissues, their partial decomposition products, and the soil biomass; also called "humus" or "soil organic matter."
- K. Planting Soil: Existing, on-site soil; imported soil; or manufactured soil that has been

modified as specified with soil amendments and perhaps fertilizers to produce a soil mixture best for plant growth.

- L. RCRA Metals: Hazardous metals identified by the EPA under the Resource Conservation and Recovery Act.
- M. SSSA: Soil Science Society of America.
- N. Subgrade: Surface or elevation of subsoil remaining after excavation is complete, or the top surface of a fill or backfill before planting soil is placed.
- O. Subsoil: Soil beneath the level of subgrade; soil beneath the topsoil layers of a naturally occurring soil profile, typified by less than 1 percent organic matter and few soil organisms.
- P. Surface Soil: Soil that is present at the top layer of the existing soil profile. In undisturbed areas, surface soil is typically called "topsoil"; but in disturbed areas such as urban environments, the surface soil can be subsoil.
- Q. USCC: U.S. Composting Council.

1.3 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.
- 1.4 ACTION SUBMITTALS
 - A. Product Data: For each type of product.
 - 1. Include recommendations for application and use.
 - 2. Include test data substantiating that products comply with requirements.
 - 3. Include sieve analyses for aggregate materials.
 - 4. Material Certificates: For each type of imported soil, and, soil amendment and fertilizer before delivery to the site, according to the following:
 - a. Manufacturer's qualified testing agency's certified analysis of standard products.
 - Analysis of fertilizers, by a qualified testing agency, made according to AAPFCO methods for testing and labeling and according to AAPFCO's SUIP #25.
 - c. Analysis of nonstandard materials, by a qualified testing agency, made according to SSSA methods, where applicable.
 - B. Sustainable Design Submittals:
 - C. Samples: For each bulk-supplied material, 1-quart volume of each in sealed containers labeled with content, source, and date obtained. Each Sample shall be typical of the lot of material to be furnished; provide an accurate representation of composition, color, and texture.

1.5 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For each testing agency.
- B. Preconstruction Test Reports: For preconstruction soil analyses specified in "Preconstruction Testing" Article.
- C. Field quality-control reports.

1.6 QUALITY ASSURANCE

A. Testing Agency Qualifications: An independent, state-operated, or university-operated laboratory; experienced in soil science, soil testing, and plant nutrition; with the experience and capability to conduct the testing indicated; and that specializes in types of tests to be performed.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Packaged Materials: Deliver packaged materials in original, unopened containers showing weight, certified analysis, name and address of manufacturer, and compliance with state and Federal laws if applicable.
- B. Bulk Materials:
 - 1. Do not dump or store bulk materials near structures, utilities, walkways and pavements, or on existing turf areas or plants.
 - 2. Provide erosion-control measures to prevent erosion or displacement of bulk materials, discharge of soil-bearing water runoff, and airborne dust reaching adjacent properties, water conveyance systems, or walkways.
 - 3. Do not move or handle materials when they are wet or frozen.
 - 4. Accompany each delivery of bulk fertilizers and soil amendments with appropriate certificates.

PART 2 - PRODUCTS

2.1 PLANTING SOILS SPECIFIED BY COMPOSITION

- A. General: Soil amendments, fertilizers, and rates of application specified in this article are guidelines that may need revision based on testing laboratory's recommendations after preconstruction soil analyses are performed.
- B. Planting-Soil Type 1 Lawn Areas: Existing, on-site surface soil, with the duff layer, if any, retained; and stockpiled on-site; modified to produce viable planting soil. Blend existing, on-site surface soil with Owner approved soil amendments.
- C. Planting-Soil Type 2 Lawn Areas (as required) and Plant Bed Areas: Imported, naturally formed soil from off-site sources and consisting of loam soil according to

USDA textures; and modified to produce viable planting soil.

- 1. Sources: Take imported, unamended soil from sources that are naturally welldrained sites where topsoil occurs at least 4 inches deep, not from agricultural land, bogs, or marshes; and that do not contain undesirable organisms; diseasecausing plant pathogens; or obnoxious weeds and invasive plants including, but not limited to, quackgrass, Johnsongrass, poison ivy, nutsedge, nimblewill, Canada thistle, bindweed, bentgrass, wild garlic, ground ivy, perennial sorrel, and bromegrass.
- 2. Additional Properties of Imported Soil before Amending: Soil reaction of pH 6 to 7 and minimum of 6 percent organic-matter content, friable, and with sufficient structure to give good tilth and aeration.
- 3. Unacceptable Properties: Clean soil of the following:
 - a. Unacceptable Materials: Concrete slurry, concrete layers or chunks, cement, plaster, building debris, oils, gasoline, diesel fuel, paint thinner, turpentine, tar, roofing compound, acid, and other extraneous materials that are harmful to plant growth.
 - b. Unsuitable Materials: Stones, roots, plants, sod, clay lumps, and pockets of coarse sand that exceed a combined maximum of 8 percent by dry weight of the imported soil.
 - c. Large Materials: Stones, clods, roots, clay lumps, and pockets of coarse sand exceeding 2 inches in any dimension.
- 4. Amended Soil Composition: Blend imported, unamended soil with the following soil amendments and fertilizers in the following quantities to produce planting soil:
 - a. Ratio of Loose Compost to Soil: 1:4 by volume.

2.2 INORGANIC SOIL AMENDMENTS

- A. Lime: ASTM C602, agricultural liming material containing a minimum of 80 percent calcium carbonate equivalent and as follows:
 - 1. Class: T, with a minimum of 99 percent passing through a No. 8 sieve and a minimum of 75 percent passing through a No. 60 sieve.
 - 2. Class: O, with a minimum of 95 percent passing through a No. 8 sieve and a minimum of 55 percent passing through a No. 60 sieve.
 - 3. Form: Provide lime in form of ground dolomitic limestone, calcitic limestone.
- B. Sulfur: Granular, biodegradable, and containing a minimum of 90 percent elemental sulfur, with a minimum of 99 percent passing through a No. 6 sieve and a maximum of 10 percent passing through a No. 40 sieve.
- C. Iron Sulfate: Granulated ferrous sulfate containing a minimum of 20 percent iron and 10 percent sulfur.
- D. Agricultural Gypsum: Minimum 90 percent calcium sulfate, finely ground with 90

percent passing through a No. 50 sieve.

E. Sand: Clean, washed, natural or manufactured, free of toxic materials, and according to ASTM C33/C33M.

2.3 ORGANIC SOIL AMENDMENTS

- A. Compost: Well-composted, stable, and weed-free organic matter produced by composting feedstock, and bearing USCC's "Seal of Testing Assurance," and as follows:
 - 1. Feedstock: May include sewage sludge.
 - 2. Reaction: pH of 5.5 to 8.
 - 3. Organic-Matter Content: 50 to 60 percent of dry weight.
 - 4. Particle Size: Minimum of 98 percent passing through a 1-inch sieve.
- B. Wood Derivatives: Shredded and composted, nitrogen-treated sawdust, ground bark, or wood waste; of uniform texture and free of chips, stones, sticks, soil, or toxic materials.
 - 1. Partially Decomposed Wood Derivatives: In lieu of shredded and composted wood derivatives, mix shredded and partially decomposed wood derivatives with ammonium nitrate at a minimum rate of 0.15 lb/cu. ft. of loose sawdust or ground bark, or with ammonium sulfate at a minimum rate of 0.25 lb/cu. ft. of loose sawdust or ground bark.

2.4 FERTILIZERS

- A. Slow-Release Fertilizer: Granular or pelleted fertilizer consisting of 50 percent waterinsoluble nitrogen, phosphorus, and potassium in the following composition:
 - 1. Composition: 20 percent nitrogen, 10 percent phosphorous, and 10 percent potassium, by weight.
 - 2. Composition: Nitrogen, phosphorous, and potassium in amounts recommended in soil reports from a qualified testing agency.

PART 3 - EXECUTION

- 3.1 GENERAL
 - A. Place planting soil and fertilizers according to requirements in other Specification Sections.
 - B. Verify that no foreign or deleterious material or liquid such as paint, paint washout, concrete slurry, concrete layers or chunks, cement, plaster, oils, gasoline, diesel fuel, paint thinner, turpentine, tar, roofing compound, or acid has been deposited in planting soil.

C. Proceed with placement only after unsatisfactory conditions have been corrected.

3.2 PLACING AND MIXING PLANTING SOIL OVER EXPOSED SUBGRADE

- A. General: Apply and mix unamended soil with amendments on-site to produce required planting soil. Do not apply materials or till if existing soil or subgrade is frozen, muddy, or excessively wet.
- B. Subgrade Preparation: Till subgrade to a minimum depth of 18 inches. Remove stones larger than 2 inches in any dimension and sticks, roots, rubbish, and other extraneous matter and legally dispose of them off Owner's property.
 - Apply, add soil amendments, and mix approximately half the thickness of unamended soil over prepared, loosened subgrade according to "Mixing" Paragraph below. Mix thoroughly into top 2 inches of subgrade. Spread remainder of planting soil.
- C. Compaction: Compact each blended lift of planting soil to 75 to 82 percent of maximum Standard Proctor density according to ASTM D698 and tested in-place except where a different compaction value is indicated on Drawings.
- D. Finish Grading: Grade planting soil to a smooth, uniform surface plane with loose, uniformly fine texture. Roll and rake, remove ridges, and fill depressions to meet finish grades.

3.3 BLENDING PLANTING SOIL IN PLACE

- A. General: Mix amendments with in-place, unamended soil to produce required planting soil. Do not apply materials or till if existing soil or subgrade is frozen, muddy, or excessively wet.
- B. Preparation: Till unamended, existing soil in planting areas to a minimum depth of of 4 inches. Remove stones larger than 2 inches in any dimension and sticks, roots, rubbish, and other extraneous matter and legally dispose of them off Owner's property.
- C. Mixing: Apply soil amendments, except compost, and fertilizer, if required, evenly on surface, and thoroughly blend them into full depth of unamended, in-place soil to produce planting soil.
 - 1. Mix fertilizer with planting soil no more than seven days before planting.
- D. Compaction: Compact blended planting soil to 75 to 82 percent of maximum Standard Proctor density according to ASTM D698 except where a different compaction value is indicated on Drawings.
- E. Finish Grading: Grade planting soil to a smooth, uniform surface plane with loose, uniformly fine texture. Roll and rake, remove ridges, and fill depressions to meet finish grades.

3.4 APPLYING COMPOST TO SURFACE OF PLANTING SOIL

- A. Application: Apply compost component of planting-soil mix to surface of in-place planting soil. Do not apply materials or till if existing soil or subgrade is frozen, muddy, or excessively wet.
- B. Finish Grading: Grade surface to a smooth, uniform surface plane with loose, uniformly fine texture. Roll and rake, remove ridges, and fill depressions to meet finish grades.

3.5 FIELD QUALITY CONTROL

- A. Perform the following tests:
 - 1. Compaction: Test planting-soil compaction after placing each lift and at completion using a densitometer or soil-compaction meter calibrated to a reference test value based on laboratory testing according to ASTM D698. Space tests at no less than one for each 2000 sq. ft. of in-place soil or part thereof.
 - 2. Performance Testing: For each amended planting-soil type, demonstrating compliance with specified performance requirements.
- B. Soil will be considered defective if it does not pass tests.
- C. Prepare test reports.
- D. Label each sample and test report with the date, location keyed to a site plan or other location system, visible conditions when and where sample was taken, and sampling depth.

3.6 PROTECTION

- A. Protection Zone: Identify protection zones according to Section 015639 "Temporary Tree and Plant Protection."
- B. Protect areas of in-place soil from additional compaction, disturbance, and contamination. Prohibit the following practices within these areas except as required to perform planting operations:
 - 1. Storage of construction materials, debris, or excavated material.
 - 2. Parking vehicles or equipment.
 - 3. Vehicle traffic.
 - 4. Foot traffic.
 - 5. Impoundment of water.
 - 6. Excavation or other digging unless otherwise indicated.
- C. If planting soil or subgrade is overcompacted, disturbed, or contaminated by foreign or deleterious materials or liquids, remove the planting soil and contamination; restore the subgrade as directed by Architect and replace contaminated planting soil with new planting soil.

3.7 CLEANING

- A. Protect areas adjacent to planting-soil preparation and placement areas from contamination. Keep adjacent paving and construction clean and work area in an orderly condition.
- B. Remove surplus soil and waste material including excess subsoil, unsuitable materials, trash, and debris and legally dispose of them off Owner's property unless otherwise indicated.
 - 1. Dispose of excess subsoil and unsuitable materials on-site where directed by Owner.

END OF SECTION 329113

SECTION 329200 - TURF AND GRASSES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Seeding.
 - 2. Sodding.
 - 3. Turf renovation.
- B. Related Requirements:
 - 1. Section 329300 "Plants" for trees, shrubs, ground covers, and other plants as well as border edgings and mow strips.

1.2 DEFINITIONS

- A. Finish Grade: Elevation of finished surface of planting soil.
- B. Pesticide: A substance or mixture intended for preventing, destroying, repelling, or mitigating a pest. Pesticides include insecticides, miticides, herbicides, fungicides, rodenticides, and molluscicides. They also include substances or mixtures intended for use as a plant regulator, defoliant, or desiccant.
- C. Pests: Living organisms that occur where they are not desired or that cause damage to plants, animals, or people. Pests include insects, mites, grubs, mollusks (snails and slugs), rodents (gophers, moles, and mice), unwanted plants (weeds), fungi, bacteria, and viruses.
- D. Planting Soil: Existing, on-site soil; imported soil; or manufactured soil that has been modified with soil amendments and perhaps fertilizers to produce a soil mixture best for plant growth. See Section 329113 "Soil Preparation" and drawing designations for planting soils.
- E. Subgrade: The surface or elevation of subsoil remaining after excavation is complete, or the top surface of a fill or backfill before planting soil is placed.

1.3 PREINSTALLATION MEETINGS

A. Preinstallation Conference: Conduct conference at Project site.

1.4 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For landscape Installer.
- B. Certification of Grass Seed: From seed vendor for each grass-seed monostand or mixture, stating the botanical and common name, percentage by weight of each species and variety, and percentage of purity, germination, and weed seed. Include the year of production and date of packaging.
 - 1. Certification of each seed mixture for turfgrass sod. Include identification of source and name and telephone number of supplier.
- C. Product Certificates: For fertilizers, from manufacturer.
- D. Pesticides and Herbicides: Product label and manufacturer's application instructions specific to Project.

1.5 CLOSEOUT SUBMITTALS

A. Maintenance Data: Recommended procedures to be established by Owner for maintenance of turf during a calendar year. Submit before expiration of required maintenance periods.

1.6 QUALITY ASSURANCE

- A. Installer Qualifications: A qualified landscape installer whose work has resulted in successful turf establishment.
 - 1. Professional Membership: Installer shall be a member in good standing of either the National Association of Landscape Professionals or AmericanHort.
 - 2. Installer's Field Supervision: Require Installer to maintain an experienced fulltime supervisor on Project site when work is in progress.
 - 3. Personnel Certifications: Installer shall have certification in one of the following categories from the National Association of Landscape Professionals:
 - a. Landscape Industry Certified Technician Exterior.
 - b. Landscape Industry Certified Lawn Care Manager.
 - c. Landscape Industry Certified Lawn Care Technician.
 - 4. Pesticide Applicator: State licensed, commercial.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Seed and Other Packaged Materials: Deliver packaged materials in original, unopened containers showing weight, certified analysis, name and address of manufacturer, and indication of compliance with state and Federal laws, as applicable.
- B. Sod: Harvest, deliver, store, and handle sod according to requirements in

"Specifications for Turfgrass Sod Materials" and "Specifications for Turfgrass Sod Transplanting and Installation" sections in TPI's "Guideline Specifications to Turfgrass Sodding." Deliver sod within 24 hours of harvesting and in time for planting promptly. Protect sod from breakage and drying.

- C. Bulk Materials:
 - 1. Do not dump or store bulk materials near structures, utilities, walkways and pavements, or on existing turf areas or plants.
 - 2. Provide erosion-control measures to prevent erosion or displacement of bulk materials; discharge of soil-bearing water runoff; and airborne dust reaching adjacent properties, water conveyance systems, or walkways.
 - 3. Accompany each delivery of bulk materials with appropriate certificates.

1.8 FIELD CONDITIONS

- A. Planting Restrictions: Plant during one of the following periods. Coordinate planting periods with initial maintenance periods to provide required maintenance from date of planting completion.
 - 1. Spring Planting: April 1 May 31.
 - 2. Fall Planting: September 1 November 1.
- B. Weather Limitations: Proceed with planting only when existing and forecasted weather conditions permit planting to be performed when beneficial and optimum results may be obtained. Apply products during favorable weather conditions according to manufacturer's written instructions.
 - 1. Cold weather: when ambient temperature is below 40 degrees F.
 - a. For grass seed: when soil temperature is less than 40 degrees F.
 - 2. Hot weather: when ambient temperature exceeds 90 degrees F.
 - a. For grass seed: when soil temperature is above 65 degrees F.
 - 3. Wet weather: when soil becomes saturated.
 - 4. Windy weather: for seed when win velocity exceeds 30 mph.
 - 5. Observe any additional limitations noted by manufacturer.

PART 2 - PRODUCTS

- 2.1 SEED
 - A. Grass Seed: Fresh, clean, dry, new-crop seed complying with AOSA's "Rules for Testing Seeds" for purity and germination tolerances.
 - B. Seed Species:

- 1. Quality, State Certified: State-certified seed of grass species as listed below for solar exposure.
- 2. Quality, Non-State Certified: Seed of grass species as listed below for solar exposure, with not less than 85 percent germination, not less than 95 percent pure seed, and not more than 0.5 percent weed seed:
- 3. Seed Mix Type 1 Plug and overseed areas under existing trees as indicated on Drawings.
 - a. Caesar Tall Fescue: 94.48%
 - b. Shamrock Kentucky Bluegrass: 4.83%

2.2 TURFGRASS SOD

- A. Turfgrass Sod: Certified Number 1 Quality/Premium, including limitations on thatch, weeds, diseases, nematodes, and insects, complying with "Specifications for Turfgrass Sod Materials" in TPI's "Guideline Specifications to Turfgrass Sodding." Furnish viable sod of uniform density, color, and texture that is strongly rooted and capable of vigorous growth and development when planted.
- B. Turfgrass Species: Sod of grass species as follows, with not less than 85 percent germination, not less than 95 percent pure seed, and not more than 0.5 percent weed seed:
 - 1. Product: Black Beauty Ultra Sod by Inland Sod.

2.3 FERTILIZERS

- A. Commercial Fertilizer: Commercial-grade complete fertilizer of neutral character, consisting of fast- and slow-release nitrogen, 50 percent derived from natural organic sources of urea formaldehyde, phosphorous, and potassium in the following composition:
 - 1. Composition:
 - a. 1 lb/1000 sq. ft. of actual nitrogen, 4 percent phosphorous, and 2 percent potassium, by weight.
 - b. Nitrogen, phosphorous, and potassium in amounts recommended in soil reports from a qualified soil-testing laboratory.
- B. Slow-Release Fertilizer: Granular or pelleted fertilizer consisting of 50 percent waterinsoluble nitrogen, phosphorus, and potassium in the following composition:
 - 1. Composition:
 - a. 20 percent nitrogen, 10 percent phosphorous, and 10 percent potassium, by weight.
 - b. Nitrogen, phosphorous, and potassium in amounts recommended in soil reports from a qualified soil-testing laboratory.

2.4 PESTICIDES

- A. General: Pesticide, registered and approved by the EPA, acceptable to authorities having jurisdiction, and of type recommended by manufacturer for each specific problem and as required for Project conditions and application. Do not use restricted pesticides unless authorized in writing by authorities having jurisdiction.
- B. Pre-Emergent Herbicide (Selective and Nonselective): Effective for controlling the germination or growth of weeds within planted areas at the soil level directly below the mulch layer.
- C. Post-Emergent Herbicide (Selective and Nonselective): Effective for controlling weed growth that has already germinated.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine areas to be planted for compliance with requirements and other conditions affecting installation and performance of the Work.
 - 1. Verify that no foreign or deleterious material or liquid such as paint, paint washout, concrete slurry, concrete layers or chunks, cement, plaster, oils, gasoline, diesel fuel, paint thinner, turpentine, tar, roofing compound, or acid has been deposited in soil within a planting area.
 - 2. Suspend planting operations during periods of excessive soil moisture until the moisture content reaches acceptable levels to attain the required results.
 - 3. Uniformly moisten excessively dry soil that is not workable or which is dusty.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.
- C. If contamination by foreign or deleterious material or liquid is present in soil within a planting area, remove the soil and contamination as directed by Architect and replace with new planting soil.

3.2 PREPARATION

- A. Protect structures; utilities; sidewalks; pavements; and other facilities, trees, shrubs, and plantings from damage caused by planting operations.
 - 1. Protect grade stakes set by others until directed to remove them.

3.3 TURF AREA PREPARATION

A. General: Prepare planting area for soil placement and mix planting soil according to Section 329113 "Soil Preparation".

- B. Placing Planting Soil: Place and mix planting soil in place over exposed subgrade.
 - 1. Reduce elevation of planting soil to allow for soil thickness of sod.
- C. Moisten prepared area before planting if soil is dry. Water thoroughly and allow surface to dry before planting. Do not create muddy soil.
- D. Before planting, obtain Architect's acceptance of finish grading; restore planting areas if eroded or otherwise disturbed after finish grading.

3.4 SODDING

- A. Lay sod within 24 hours of harvesting unless a suitable preservation method is accepted by Architect prior to delivery time. Do not lay sod if dormant or if ground is frozen or muddy.
- B. Lay sod to form a solid mass with tightly fitted joints. Butt ends and sides of sod; do not stretch or overlap. Stagger sod strips or pads to offset joints in adjacent courses. Avoid damage to soil or sod during installation. Tamp and roll lightly to ensure contact with soil, eliminate air pockets, and form a smooth surface. Work sifted soil or fine sand into minor cracks between pieces of sod; remove excess to avoid smothering sod and adjacent grass.
 - 1. Lay sod across slopes exceeding 1:3.
 - 2. Anchor sod on slopes exceeding 1:6 with wood pegs or steel staples spaced as recommended by sod manufacturer but not less than two anchors per sod strip to prevent slippage.
- C. Saturate sod with fine water spray within two hours of planting. During first week after planting, water daily or more frequently as necessary to maintain moist soil to a minimum depth of 1-1/2 inches below sod.

3.5 TURF RENOVATION

- A. Renovate existing turf where indicated.
- B. Renovate turf damaged by Contractor's operations, such as storage of materials or equipment and movement of vehicles.
 - 1. Reestablish turf where settlement or washouts occur or where minor regrading is required.
 - 2. Install new planting soil as required.
- C. Remove sod and vegetation from diseased or unsatisfactory turf areas; do not bury in soil.
- D. Remove topsoil containing foreign materials, such as oil drippings, fuel spills, stones, gravel, and other construction materials resulting from Contractor's operations, and replace with new planting soil.

- E. Mow, dethatch, core aerate, and rake existing turf.
- F. Remove weeds before seeding. Where weeds are extensive, apply selective herbicides as required. Do not use pre-emergence herbicides.
- G. Remove waste and foreign materials, including weeds, soil cores, grass, vegetation, and turf, and legally dispose of them off Owner's property.
- H. Till stripped, bare, and compacted areas thoroughly to a soil depth of 6 inches.
- I. Apply soil amendments initial fertilizer required for establishing new turf and mix thoroughly into top 4 inches of existing soil. Install new planting soil to fill low spots and meet finish grades.
 - 1. Soil Amendment(s): according to requirements of Section 329113 "Soil Preparation."
 - 2. Initial Fertilizer: Commercial fertilizer and Slow-release fertilizer applied according to manufacturer's recommendations.
- J. Apply seed and protect with straw mulch, sod, and plugs as required for new turf.
- K. Water newly planted areas and keep moist until new turf is established.

3.6 TURF MAINTENANCE

- A. General: Maintain and establish turf by watering, fertilizing, weeding, mowing, trimming, replanting, and performing other operations as required to establish healthy, viable turf. Roll, regrade, and replant bare or eroded areas and remulch to produce a uniformly smooth turf. Provide materials and installation the same as those used in the original installation.
 - 1. Fill in as necessary soil subsidence that may occur because of settling or other processes. Replace materials and turf damaged or lost in areas of subsidence.
 - 2. In areas where mulch has been disturbed by wind or maintenance operations, add new mulch and anchor as required to prevent displacement.
 - 3. Apply treatments as required to keep turf and soil free of pests and pathogens or disease. Use integrated pest management practices whenever possible to minimize the use of pesticides and reduce hazards.
- B. Watering: Install and maintain temporary piping, hoses, and turf-watering equipment to convey water from sources and to keep turf uniformly moist to a depth of 4 inches.
 - 1. Schedule watering to prevent wilting, puddling, erosion, and displacement of seed or mulch. Lay out temporary watering system to avoid walking over muddy or newly planted areas.
 - 2. Water turf with fine spray at a minimum rate of 1.5 inches per week unless rainfall precipitation is adequate.
- C. Mow turf as soon as top growth is tall enough to cut. Repeat mowing to maintain

specified height without cutting more than one-third of grass height. Remove no more than one-third of grass-leaf growth in initial or subsequent mowings. Do not delay mowing until grass blades bend over and become matted. Do not mow when grass is wet. Schedule initial and subsequent mowings to maintain the following grass height:

- 1. Mow turf to a height of 2 to 3 inches.
- D. Turf Postfertilization: Apply slow-release fertilizer after initial mowing and when grass is dry.
 - 1. Use fertilizer that provides actual nitrogen of at least 1 lb/1000 sq. ft. to turf area.

3.7 SATISFACTORY TURF

- A. Turf installations shall meet the following criteria as determined by Architect:
 - 1. Satisfactory Seeded Turf: At end of maintenance period, a healthy, uniform, close stand of grass has been established, free of weeds and surface irregularities, with coverage exceeding 90 percent over any 10 sq. ft. and bare spots not exceeding 5 by 5 inches.
 - 2. Satisfactory Sodded Turf: At end of maintenance period, a healthy, well-rooted, even-colored, viable turf has been established, free of weeds, open joints, bare areas, and surface irregularities.
 - 3. Satisfactory Plugged Turf: At end of maintenance period, the required number of plugs has been established as well-rooted, viable patches of grass, and areas between plugs are free of weeds and other undesirable vegetation.
- B. Use specified materials to reestablish turf that does not comply with requirements, and continue maintenance until turf is satisfactory.

3.8 PESTICIDE APPLICATION

- A. Apply pesticides and other chemical products and biological control agents according to requirements of authorities having jurisdiction and manufacturer's written recommendations. Coordinate applications with Owner's operations and others in proximity to the Work. Notify Owner before each application is performed.
- B. Post-Emergent Herbicides (Selective and Nonselective): Apply only as necessary to treat already-germinated weeds and according to manufacturer's written recommendations.

3.9 CLEANUP AND PROTECTION

- A. Promptly remove soil and debris created by turf work from paved areas. Clean wheels of vehicles before leaving site to avoid tracking soil onto roads, walks, or other paved areas.
- B. Remove surplus soil and waste material, including excess subsoil, unsuitable soil,

trash, and debris, and legally dispose of them off Owner's property.

C. Erect temporary fencing or barricades and warning signs as required to protect newly planted areas from traffic. Maintain fencing and barricades throughout initial maintenance period and remove after plantings are established.

3.10 MAINTENANCE SERVICE

- A. Turf Maintenance Service: Provide full maintenance by skilled employees of landscape Installer. Maintain as required in "Turf Maintenance" Article. Begin maintenance immediately after each area is planted and continue until acceptable turf is established, but for not less than the following periods:
 - 1. Seeded Turf: 60 days from date of planting completion.
 - a. When initial maintenance period has not elapsed before end of planting season, or if turf is not fully established, continue maintenance during next planting season.
 - 2. Sodded Turf: 30 days from date of planting completion.

END OF SECTION 329200

SECTION 329300 - PLANTS

PART 1 - GENERAL

1.1 SUMMARY

- A. Related Requirements:
 - 1. Section 015639 "Temporary Tree and Plant Protection" for protecting, trimming, pruning, repairing, and replacing existing trees to remain that interfere with, or are affected by, execution of the Work.
 - 2. Section 328400 "Planting Irrigation" for complete irrigation systems.
 - 3. Section 329200 "Turf and Grasses" for turf (lawn) and overseeded areas.

1.2 COORDINATION

- A. Coordination with Turf Areas (Lawns): Plant shrubs, and other plants after finish grades are established and before planting turf areas unless otherwise indicated.
 - 1. When planting shrubs, and other plants after planting turf areas, protect turf areas, and promptly repair damage caused by planting operations.

1.3 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.
- 1.4 ACTION SUBMITTALS
 - A. Product Data:
 - 1. Plant materials.
 - 2. Fertilizers.
 - 3. Mulches.
 - 4. Herbicides and pesticides.
 - B. Product Data Submittals: For each product.
 - 1. Plant Materials: Include quantities, sizes, quality, and verified sources for plant materials.
 - C. Samples for Verification: Actual sample of finished products for each of the following:
 - 1. Organic Mulch: 1-quart volume of each organic mulch required; typical of the lot of material to be furnished, in sealed plastic bags labeled with composition of materials by percentage of weight and source of mulch. Provide an accurate

representation of color, texture, and organic makeup.

1.5 INFORMATIONAL SUBMITTALS

- A. Qualification Statements: For landscape Installer. Include list of similar projects completed by Installer demonstrating Installer's capabilities and experience. Include project names, addresses, and year completed, and include names and addresses of owners' contact persons.
- B. Product Certificates: For each type of manufactured product, from manufacturer, and complying with manufacturer's certified analysis of standard products.
- C. Pesticides and Herbicides: Product label and manufacturer's written application instructions specific to Project.
- D. Sample Warranty: For special warranty.

1.6 CLOSEOUT SUBMITTALS

A. Maintenance Data: Recommended procedures to be established by Owner for maintenance of plants during a calendar year. Submit before expiration of required maintenance periods.

1.7 QUALITY ASSURANCE

- A. Installer Qualifications: A qualified landscape installer whose work has resulted in successful establishment of plants.
 - 1. Professional Membership: Member in good standing of either the National Association of Landscape Professionals or AmericanHort.
 - 2. Installer's Field Supervision: Maintain an experienced full-time supervisor on Project site when work is in progress.
 - 3. Pesticide Applicator: State licensed, commercial.
- B. Provide quality, size, genus, species, and variety of plants indicated, complying with applicable requirements in ANSI Z60.1.
 - 1. Selection of plants purchased under allowances is made by Architect, who tags plants at their place of growth before they are prepared for transplanting.
- C. Measurements: Measure in accordance with ANSI Z60.1. Do not prune to obtain required sizes.
 - 1. Shrubs: Measure with branches and trunks or canes in their normal position. Take height measurements from or near the top of the root flare for field-grown stock and container-grown stock. Measure main body of tree or shrub for height and spread; do not measure branches or roots tip to tip.
 - 2. Other Plants: Measure with stems, petioles, and foliage in their normal position.

- D. Plant Material Observation: Architect may observe plant material either at place of growth or at site before planting for compliance with requirements for genus, species, variety, cultivar, size, and quality. Architect may also observe trees and shrubs further for size and condition of balls and root systems, pests, disease symptoms, injuries, and latent defects and may reject unsatisfactory or defective material at any time during progress of work. Remove rejected trees or shrubs immediately from Project site.
 - 1. Notify Architect of sources of planting materials seven days in advance of delivery to site.

1.8 DELIVERY, STORAGE, AND HANDLING

- A. Packaged Materials: Deliver packaged materials in original, unopened containers showing weight, certified analysis, name and address of manufacturer, and indication of compliance with state and Federal laws if applicable.
- B. Bulk Materials:
 - 1. Do not dump or store bulk materials near structures, utilities, or walkways and pavements; or on existing turf areas or plants.
 - 2. Accompany each delivery of bulk materials with appropriate certificates.
- C. Do not prune shrubs before delivery. Protect bark, branches, and root systems from sun scald, drying, wind burn, sweating, whipping, and other handling and tying damage. Do not bend or bind-tie shrubs in such a manner as to destroy their natural shape. Provide protective covering of plants during shipping and delivery. Do not drop plants during delivery and handling.
- D. Handle planting stock by root ball.
- E. Apply antidesiccant to shrubs using power spray to provide an adequate film over trunks (before wrapping), branches, stems, twigs, and foliage to protect during digging, handling, and transportation.
 - 1. If deciduous shrubs are moved in full leaf, spray with antidesiccant at nursery before moving and again two weeks after planting.
- F. Wrap shrubs with burlap fabric over trunks, branches, stems, twigs, and foliage to protect from wind and other damage during digging, handling, and transportation.
- G. Deliver plants after preparations for planting have been completed, and install immediately. If planting is delayed more than six hours after delivery, set plants in their appropriate aspect (sun, filtered sun, or shade), protect from weather and mechanical damage, and keep roots moist.
 - 1. Do not remove container-grown stock from containers before time of planting.
 - 2. Water root systems of plants stored on-site deeply and thoroughly with a finemist spray. Water as often as necessary to maintain root systems in a moist, but not overly wet condition.

1.9 FIELD CONDITIONS

- A. Field Measurements: Verify actual grade elevations, service and utility locations, irrigation system components, and dimensions of plantings and construction contiguous with new plantings by field measurements before proceeding with planting work.
- B. Planting Restrictions: Plant during one of the following periods. Coordinate planting periods with maintenance periods to provide required maintenance from date of Substantial Completion.
 - 1. Spring Planting: April 1 May 31.
 - 2. Fall Planting: September 1 November 1.
- C. Weather Limitations: Proceed with planting only when existing and forecasted weather conditions permit planting to be performed when beneficial and optimum results may be obtained. Apply products during favorable weather conditions in accordance with manufacturer's written instructions and warranty requirements.

1.10 WARRANTY

- A. Special Warranty: Installer agrees to repair or replace plantings and accessories that fail in materials, workmanship, or growth within specified warranty period.
 - 1. Failures include, but are not limited to, the following:
 - a. Death and unsatisfactory growth, except for defects resulting from abuse, lack of adequate maintenance, or neglect by Owner.
 - b. Structural failures, including plantings falling or blowing over.
 - 2. Warranty Periods: From date of Substantial Completion
 - a. Shrubs, Ornamental Grasses, Perennials, and Other Plants: 12 months.
 - 3. Include the following remedial actions as a minimum:
 - a. Immediately remove dead plants and replace unless required to plant in the succeeding planting season.
 - b. Replace plants that are more than 25 percent dead or in an unhealthy condition at end of warranty period.
 - c. A limit of one replacement of each plant is required except for losses or replacements due to failure to comply with requirements.
 - d. Provide extended warranty for period equal to original warranty period, for replaced plant material.

PART 2 - PRODUCTS

2.1 PLANT MATERIALS

- A. General: Furnish nursery-grown plants true to genus, species, variety, cultivar, stem form, shearing, and other features indicated in Plant List, Plant Schedule, or Plant Legend indicated on Drawings and complying with ANSI Z60.1; and with healthy root systems developed by transplanting or root pruning. Provide well-shaped, fully branched, healthy, vigorous stock, densely foliated when in leaf and free of disease, pests, eggs, larvae, and defects such as knots, sun scald, injuries, abrasions, and disfigurement.
 - 1. Collected Stock: Do not use plants harvested from the wild, from native stands, from an established landscape planting, or not grown in a nursery unless otherwise indicated.
- B. Provide plants of sizes, grades, and ball or container sizes complying with ANSI Z60.1 for types and form of plants required. Plants of a larger size may be used if acceptable to Architect, with a proportionate increase in size of roots or balls.
- C. Labeling: Label at least one plant of each variety, size, and caliper with a securely attached, waterproof tag bearing legible designation of common name and full scientific name, including genus and species. Include nomenclature for hybrid, variety, or cultivar, if applicable for plant.
- D. If formal arrangements or consecutive order of plants is indicated on Drawings, select stock for uniform height and spread, and number the labels to ensure symmetry in planting.
- E. Perennials: Provide healthy, disease-free plants of species and variety shown or listed, with well-established root systems reaching to sides of the container to maintain a firm ball, but not with excessive root growth encircling the container. Provide only plants that are acclimated to outdoor conditions before delivery.

2.2 FERTILIZERS

- A. Granular Fertilizer: Commercial-grade complete fertilizer of neutral character, consisting of fast- and slow-release nitrogen, 50 percent derived from natural organic sources of urea formaldehyde, phosphorous, and potassium in the following composition:
 - 1. Composition:
 - a. 0.75 lb/1000 sq. ft. 3 percent of actual nitrogen, 4 percent phosphorous, and 3 percent potassium, by weight.
 - b. Nitrogen, phosphorous, and potassium in amounts recommended in soil reports from a qualified soil-testing laboratory.

B. Mycorrhizal Fungi: Dry, granular inoculant containing at least 5300 spores per lb of vesicular-arbuscular mycorrhizal fungi and 95 million spores per lb of ectomycorrhizal fungi, 33 percent hydrogel, and maximum of 5.5 percent inert material.

2.3 MULCHES

- A. Organic Mulch: Free from deleterious materials and suitable as a top dressing of trees and shrubs, consisting of one of the following:
 - 1. Type: Medium Red Fir Bark Mulch.
 - 2. Size Range: 3 inches maximum, 1/2 inch minimum.
 - 3. Color: Natural.

2.4 MISCELLANEOUS PRODUCTS

A. Antidesiccant: Water-insoluble emulsion, permeable moisture retarder, film forming, for shrubs. Deliver in original, sealed, and fully labeled containers and mix in accordance with manufacturer's written instructions.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine areas to receive plants, with Installer present, for compliance with requirements and conditions affecting installation and performance of the Work.
 - 1. Verify that no foreign or deleterious material or liquid such as paint, paint washout, concrete slurry, concrete layers or chunks, cement, plaster, oils, gasoline, diesel fuel, paint thinner, turpentine, tar, roofing compound, or acid has been deposited in soil within a planting area.
 - 2. Verify that plants and vehicles loaded with plants can travel to planting locations with adequate overhead clearance.
 - 3. Suspend planting operations during periods of excessive soil moisture until moisture content reaches acceptable levels to attain required results.
 - 4. Uniformly moisten excessively dry soil that is not workable or which is dusty.
- B. If contamination by foreign or deleterious material or liquid is present in soil within a planting area, remove soil and contamination as directed by Architect and replace with new planting soil.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Protect structures, utilities, sidewalks, pavements, and other facilities and turf areas and existing plants from damage caused by planting operations.

- B. Lay out individual shrub locations and areas for multiple plantings. Adjust locations when requested, and obtain Architect's acceptance of layout before excavating or planting. Make minor adjustments as required.
- C. Lay out plants at locations directed by Architect. Stake locations of individual trees and shrubs and outline areas for multiple plantings.

3.3 PLANTING AREA ESTABLISHMENT

- A. General: Prepare planting area for soil placement and mix planting soil in accordance with Section 329113 "Soil Preparation."
- B. Placing Planting Soil: Place and mix planting soil in-place over exposed subgrade.
- C. Before planting, obtain Architect's acceptance of finish grading; restore planting areas if eroded or otherwise disturbed after finish grading.

3.4 EXCAVATION FOR SHRUBS

- A. Planting Pits and Trenches: Excavate circular planting pits.
 - Excavate planting pits with sides sloping inward at a 45-degree angle.
 Excavations with vertical sides are unacceptable. Do not further disturb base.
 Scarify sides of planting pit smeared or smoothed during excavation.
 - 2. Excavate approximately three times as wide as ball diameter for container-grown stock.
 - 3. Excavate at least 12 inches wider than root spread and deep enough to accommodate vertical roots for bare-root stock.
 - 4. Do not excavate deeper than depth of root ball, measured from the root flare to the bottom of root ball.
 - 5. If area under the plant was initially dug too deep, add soil to raise it to correct level and thoroughly tamp the added soil to prevent settling.
 - 6. Maintain angles of repose of adjacent materials to ensure stability. Do not excavate subgrades of adjacent paving, structures, hardscapes, or other new or existing improvements.
 - 7. Maintain supervision of excavations during working hours.
 - 8. Keep excavations covered or otherwise protected when unattended by Installer's personnel.
 - 9. If drain tile is indicated on Drawings or required under planting areas, excavate to top of porous backfill over tile.
- B. Backfill Soil: Subsoil and topsoil removed from excavations may be used as backfill soil unless otherwise indicated.
- C. Obstructions: Notify Architect if unexpected rock or obstructions detrimental to shrubs are encountered in excavations.
 - 1. Hardpan Layer: Drill 6-inch- diameter holes, 24 inches apart, into free-draining

strata or to depth of 10 ft., whichever is less, and backfill with free-draining material.

- D. Drainage: Notify Architect if subsoil conditions evidence unexpected water seepage or retention in tree or shrub planting pits.
- E. Fill excavations with water and allow to percolate away before positioning shrubs.

3.5 SHRUB PLANTING

- A. Inspection: At time of planting, verify that root flare is visible at top of root ball in accordance with ANSI Z60.1. If root flare is not visible, remove soil in a level manner from root ball to where the top-most root emerges from the trunk. After soil removal to expose root flare, verify that root ball still meets size requirements.
- B. Roots: Remove stem girdling roots and kinked roots. Remove injured roots by cutting cleanly; do not break.
- C. Container-Grown Stock: Set each plant plumb and in center of planting pit or trench with root flare 1 inch above adjacent finish grades.
 - 1. Backfill: Planting soil.
 - 2. Carefully remove root ball from container without damaging root ball or plant.
 - 3. Backfill around root ball in layers, tamping to settle soil and eliminate voids and air pockets. When planting pit is approximately one-half filled, water thoroughly before placing remainder of backfill. Repeat watering until no more water is absorbed.
 - 4. Distribute granular fertilizer around each planting pit when pit is approximately one-half filled. Do not place in bottom of the hole.
 - 5. Continue backfilling process. Water again after placing and tamping final layer of soil.

3.6 SHRUB PRUNING

- A. Remove only dead, dying, or broken branches. Do not prune for shape.
- B. Prune, thin, and shape shrubs as directed by Architect.
- C. Prune, thin, and shape shrubs in accordance with standard professional horticultural and arboricultural practices. Unless otherwise indicated by Architect, remove only injured, dying, or dead branches from shrubs; and prune to retain natural character.
- D. Do not apply pruning paint to wounds.
- 3.7 INSTALLATION OF MULCHES
 - A. Completely cover area to be mulched.

- B. Mulch backfilled surfaces of planting areas and other areas indicated.
 - 1. Organic Mulch in Planting Areas: Apply 3-inch average thickness of organic mulch over whole surface of planting area as indicated on drawings, and finish level with adjacent finish grades. Do not place mulch within 3 inches of trunks or stems.

3.8 APPLICATION OF HERBICIDES AND PESTICIDES

- A. Pre-Emergent Herbicides (Selective and Nonselective): Apply to tree, shrub, and ground-cover areas in accordance with manufacturer's written instructions. Do not apply to seeded areas.
- B. Post-Emergent Herbicides (Selective and Nonselective): Apply only as necessary to treat already-germinated weeds and in accordance with manufacturer's written instructions.
- C. Apply pesticides and other chemical products and biological control agents according to authorities having jurisdiction and in accordance with manufacturer's written instructions. Coordinate applications with Owner's operations and others in proximity to the Work. Notify Owner before each application is performed.

3.9 PLANT MAINTENANCE

- A. Maintain plantings by pruning, cultivating, watering, weeding, fertilizing, mulching, restoring planting saucers, adjusting and repairing tree-stabilization devices, resetting to proper grades or vertical position, and performing other operations as required to establish healthy, viable plantings.
- B. Fill in, as necessary, soil subsidence that may occur because of settling or other processes. Replace mulch materials damaged or lost in areas of subsidence.
- C. Apply treatments as required to keep plant materials, planted areas, and soils free of pests and pathogens or disease. Use integrated pest management practices when possible to minimize use of pesticides and reduce hazards. Treatments include physical controls such as hosing off foliage, mechanical controls such as traps, and biological control agents.

3.10 REPAIR AND REPLACEMENT

- A. Repair or replace existing or new shrubs and other plants that are damaged by construction operations, in a manner approved by Architect.
 - 1. Submit details of proposed pruning and repairs.
 - 2. Perform repairs of damaged trunks, branches, and roots within 24 hours, if approved.
 - 3. Replace shrubs and other plants that cannot be repaired and restored to fullgrowth status, as determined by Architect.

3.11 CLEANING AND PROTECTION

- A. During planting, keep adjacent paving and construction clean and work area in an orderly condition. Clean wheels of vehicles before leaving site to avoid tracking soil onto roads, walks, or other paved areas.
- B. Remove surplus soil and waste material including excess subsoil, unsuitable soil, trash, and debris and legally dispose of them off Owner's property.
- C. Protect plants from damage due to landscape operations and operations of other contractors and trades. Maintain protection during installation and maintenance periods. Treat, repair, or replace damaged plantings.
- D. After installation and before Substantial Completion, remove nursery tags, nursery stakes, tie tape, labels, wire, burlap, and other debris from plant material, planting areas, and Project site.
- E. At time of Substantial Completion, verify that watering devices are in good working order and leave them in place. Replace improperly functioning devices.

END OF SECTION 329300

Schedule	Description			
1	Sport Court Renovat	ion and Landscape Repair.		
Project Number:	6109-24	Underhill Park Sport Court Renovation		
Bid Item	Estimated	a) Description of Bid Item b)		
No.	Quantity	Unit of Measure	Unit Price	Total Amount
101	1 LS	MOBILIZATION		
		(Per Lump Sum)	* * * * * *	\$ 39,998.00
102	1 LS	SITE DEMOLITION, PREPARATION,		
101		GRADING, AND DRAINAGE	* * * * * *	\$ 137,000.00
		(Per Lump Sum)		,
103	1 LS	INSTALL HARDSCAPE FLATWORK AND		
		SURFACE FINISHES	* * * * * *	\$ 201,500.00
		(Per Lump Sum)		
104	1 LS	INSTALL SITE FURNITURE AND SPORT		
		COURT EQUIPMENT	* * * * * *	\$ 36,500.00
		(Per Lump Sum)		
105	1 LS	LANDSCAPE, PLANTING, AND		
		IRRIGATION	* * * * * *	\$ 86,000.00
		(Per Lump Sum)		

WASHINGTON STATE RETAIL SALES TAX

106

1 LS

(9%)

BASE BID SCHEDULE 1 | UNDERHILL PARK SPORT COURT RENOVATION

Subtotal Base Bid Schedule 1: \$

* * * * * *

\$

546,088.00

45,090.00

ALTERNATE BID SCHEDULE 1 | UNDERHILL PARK SPORT COURT RENOVATION

<i>Schedule</i> ALT 1	Description Site Lighting and Powe	er		
Project Number:	6109-24	Underhill Park Sport Court Renovation		
Bid Item No.	Estimated Quantity	a) Description of Bid Item b) Unit of Measure	Unit Price	Total Amount
ALT 101	1 LS	SITE LIGHTING AND POWER (Per Lump Sum)	* * * * *	\$ 66,000.00
ALT 102	1 LS	WASHINGTON STATE RETAIL SALES TAX (9%)	* * * * *	\$ 5,940.00
		Subtotal A	Iternate Schedule 1:	\$ 71,940.00

ALTERNATE BID SCHEDULE 2 | UNDERHILL PARK SPORT COURT RENOVATION

Schedule	Description				
ALT 2	Substitute new ornamental fencing in lieu of chain link fencing and gates as specified.				
Project Number:	6109-24	Underhill Park Sport Court Renov	ation		
Bid Item	Estimated	a) Description of Bid Item	b)		
No.	Quantity	Unit of Measure	Unit Price		Total Amount
ALT 201	1 LS	ORNAMENTAL FENCING AND GA (Per Lump Sum)	TES * * * * * *	\$	9,500.00
ALT 202	1 LS	WASHINGTON STATE RETAIL SAL (9%)	ES TAX * * * * * *	\$	855.00
		Su	btotal Alternate Schedule 2:	\$	10,355.00



CITY OF SPOKANE - PURCHASING 808 W. Spokane Falls Blvd. Spokane, Washington 99201-3316 (509) 625-6400

May 6, 2024

ADDENDUM NO. 1

This addendum 1 to Request **6109-24** '**Underhill Park Sport Court Renovation** is being issued to revise the following:

- Provide mandatory pre-bid attendance sign-in sheet.
- Provide revisions to Drawings.
- Provide revisions to Specifications.
- Provide answers to questions received previous to and during the pre-bid meeting.
 a. Please note: Questions received are identified with "Q". Answers are identified with "A".

The below items are attached to this Addendum and included herein by reference:

AD Attachment 1. Pre-Bid meeting sign-in sheet.

- AD Attachment 2. Added the following revised Drawing. Revisions are clouded.
 - Landscape: L5.1 Site Details.
- AD Attachment 3. Added the following revised Specifications. Revisions are clouded.
 - Section 015639 Temporary Tree and Plant Protection.
 - 3.3.C. Clarification on watering cycle during construction.
 - Section 321800 Athletic Surfacing.
 - Vapor barrier specifications added.

AD Attachment 4. Site photos and information of electrical components in restroom building.

Question and Answer

 Q: For the Basketball Hoops please accept the Equal: First Team, Inc. Manufactured in the USA LIFETIME WARRANTY EQUAL: Legend Arena Basketball Hoop System FT1106 6" SQR Post; FT1850 Legend Extension Arms FT232 42"x72" Tempered Glass Backboard FT186 HEAVY DUTY FLEX GOAL LIFETIME SUPERIOR WARRANTY.
 A: This is an acceptable product that would be approved as equal

A: This is an acceptable product that would be approved as equal.

- Q: Please accept the following products as equal for site lighting: S1 McGraw-Edison GALN-SA9-B-740-U-T4FT-BZ HSS MS/DIM-L40, S1-POLE McGraw-Edison SSS-4-M-20-S-F-N-1-X.
 A: These are acceptable products that would be approved as equal.
- 3. **Q:** The specifications require a 5% bid bond. Is it acceptable for the bidder to use the bid bond on file with the City of Spokane?

A: Yes, if you have a bid bond "on file" with the City of Spokane City Clerk's Office - make that note on the bid bond form and make sure to upload it into ProcureWare.

4. **Q:** For Bid Alternate #2, is the Ameristar fencing product required or can the contractor submit for an 'or equal' product?

A: Equal fencing products will be considered by the Owner but acceptance of an equal product is not guaranteed. If contractor desires to submit an alternative product and receive confirmation regarding owner acceptance, it is recommended the product be submitted during the bidding process and prior to submission of bid.

5. **Q:** Is there vapor barrier under the concrete sport courts?

A: Vapor barrier will be required under the concrete pickleball sport court area only, as required by the proposed acrylic surfacing manufacturer. Please see Attachments 2&3 for updated drawings and specifications.

6. **Q:** Will liquidated damages be assessed if cold temperatures are encountered prior to the placement of the sport court surfacing?

A: It is the desire of the Owner for the project to be substantially complete in the Fall of 2024. If cold temperatures prohibit the placement of new sport court surfacing in accordance with written specifications, the Owner may grant an extension of working time to enable sport court surfacing installation when temperatures are warm enough to permit proper product installation. Please note, additional working time may only be granted beyond the project completion date for acrylic surfacing system and will not be considered for other project components.

- Q: Can you provide access to or photos of the interior of the restroom building so we can see the electrical components and know what we are dealing with?
 A: Please see Attachment 4 for site photos and information requested.
- 8. **Q:** Why is there a time gap between Contract Award and Anticipated Construction Start as noted in the Pre-Bid Meeting Agenda?

A: Planned community events such as basketball camps and summer festivals will occur during summer months within the project limits. It is the Owner's intent to start construction as soon as possible after the last community event. Construction start is currently planned for August 12, 2024, however if the site is available sooner, the Owner will coordinate with the Contractor on an agreed start date.

Thea Prince

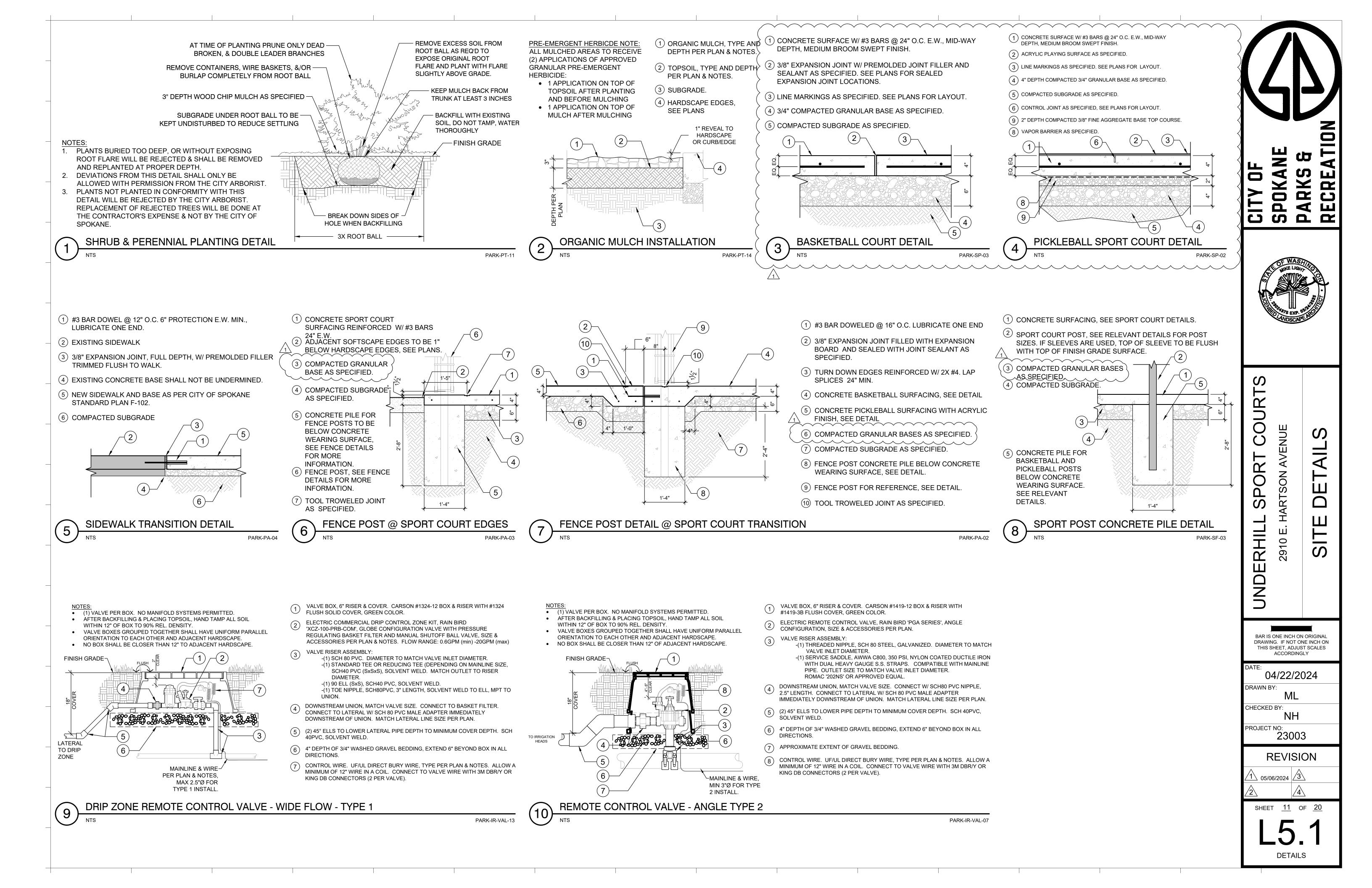
Thea Prince Purchasing

PLEASE NOTE: A SIGNED COPY OF THIS ADDENDUM MUST BE SUBMITTED WITH YOUR PROPOSAL, OR THE PROPOSAL MAY BE CONSIDERED NON-RESPONSIVE.

The undersigned acknowledges receipt of this Addendum.

Company

Authorized Signature



SECTION 015639 - TEMPORARY TREE AND PLANT PROTECTION

PART 1 - GENERAL

1.1 SUMMARY

- A. The Work of this Section Includes: General protection and pruning of existing trees and plants that are affected by execution of the Work, whether temporary or permanent construction.
- B. Related Requirements:
 - 1. Section 311000 "Site Clearing".

1.2 DEFINITIONS

- A. Caliper: Diameter of a trunk measured by a diameter tape at a height 6 inches above the ground for trees up to and including 4-inch size at this height and as measured at a height of 28 inches above the ground for trees larger than 4-inch size.
- B. Caliper (DBH): Diameter breast height; diameter of a trunk as measured by a diameter tape at a height 54 inches above the ground line for trees with caliper of 8 inches.
- C. Tree-Protection Zone: Area surrounding individual trees or groups of trees to be protected during construction and indicated on Drawings.
- D. Vegetation: Trees, shrubs, groundcovers, grass, and other plants.

1.3 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.
 - 1. Review methods and procedures related to temporary tree and plant protection including, but not limited to, the following:
 - a. Tree-service firm's personnel and equipment needed to make progress and avoid delays.
 - b. Arborist's responsibilities.
 - c. Quality-control program.
 - d. Coordination of Work and equipment movement with the locations of protection zones.
 - e. Trenching by hand or with air spade within protection zones.
 - f. Field quality control.

1.4 ACTION SUBMITTALS

- A. Product Data:
 - 1. General protection and pruning of existing trees and plants that are affected by execution of the Work, whether temporary or permanent construction
- B. Shop Drawings:
 - 1. Include plans, elevations, and sections showing trees and plants to be protected, locations of protection-zone fencing and signage, and the relationship between equipment-movement routes and material storage locations with protection zones.
 - 2. Detail fabrication and assembly of protection-zone fencing and signage.
 - 3. Indicate extent of utility boring and trenching by hand or with air spade within protection zones.
 - 4. Include existing irrigation system that will be used to water plants.
- C. Tree-Pruning Schedule: Written schedule detailing scope and extent of pruning of trees to remain that interfere with or are affected by construction.
 - 1. Species and size of tree.
 - 2. Location on site plan. Include unique identifier for each.
 - 3. Reason for pruning.
 - 4. Description of pruning to be performed.
 - 5. Description of maintenance following pruning.
- D. Maintenance Recommendations: From arborist, for care and protection of trees affected by construction during and after completing the Work.
- E. Mitigation Requirements: As required by jurisdiction or as developed by arborist, for mitigation of damage to trees and other plantings. Include the following:
 - 1. Local ordinances governing tree mitigation.
 - 2. Standards established under the approved tree mitigation report developed by the arborist.
 - 3. "Digital Guide for Plant Appraisal" by Council of Tree and Landscape Appraisers.

1.5 INFORMATIONAL SUBMITTALS

- A. Qualification Statements: For arborist and tree service firm.
- B. Certification: From arborist, certifying that trees indicated to remain have been protected during construction in accordance with recognized standards and that trees were promptly and properly treated and repaired when damaged.
- C. Maintenance Recommendations: From arborist, for care and protection of trees affected by construction during and after completing the Work.

D. Existing Conditions: Documentation of existing trees and plantings indicated to remain, TEMPORARY TREE AND PLANT 015639 - 2 PROTECTION which establishes preconstruction conditions that might be misconstrued as damage caused by construction activities.

- 1. Use sufficiently detailed photographs or video recordings.
- 2. Include plans and notations to indicate specific wounds and damage conditions of each tree or other plants designated to remain.
- E. Quality-control program.

1.6 QUALITY ASSURANCE

- A. Arborist Qualifications: Certified Arborist as certified by ISA.
- B. Tree-Service Firm Qualifications: An experienced tree-service firm that has successfully completed temporary tree- and plant-protection work similar to that required for this Project and that will assign an experienced, qualified arborist to Project site during execution of the Work.
- C. Quality-Control Program: Prepare a written program to systematically demonstrate the ability of personnel to properly follow procedures and handle materials and equipment during the Work without damaging trees and plantings. Include dimensioned diagrams for placement of protection-zone fencing and signage, the arborist's and tree-service firm's responsibilities, instructions given to workers on the use and care of protection zones, and enforcement of requirements for protection zones.

1.7 FIELD CONDITIONS

- A. The following practices are prohibited within protection zones:
 - 1. Storage of construction materials, debris, or excavated material.
 - 2. Moving or parking vehicles or equipment.
 - 3. Foot traffic.
 - 4. Erection of sheds or structures.
 - 5. Impoundment of water.
 - 6. Excavation or other digging unless otherwise indicated.
 - 7. Attachment of signs to or wrapping materials around trees or plants unless otherwise indicated.
- B. Do not direct vehicle or equipment exhaust toward protection zones.
- C. Prohibit heat sources, flames, ignition sources, and smoking within or near protection zones and organic mulch.
- D. Take precautions to protect plants from airborne contaminants, such as paint or fireproofing overspray.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Protection-Zone Fencing: Fencing fixed in position and meeting the following requirements:
 - Plastic Protection-Zone Fencing: Plastic construction fencing constructed of highdensity extruded and stretched polyethylene fabric with 2-inch maximum opening in pattern and weighing a minimum of 0.4 lb/ft.; remaining flexible from minus 60 to plus 200 deg F; inert to most chemicals and acids; minimum tensile yield strength of 2000 psi and ultimate tensile strength of 2680 psi; secured with plastic bands or galvanized-steel or stainless steel wire ties; and supported by tubular or T-shape galvanized-steel posts spaced not more than 96 inches apart.
 - a. Height: 48 inches.
 - b. Color: High-visibility orange, nonfading.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Erosion and Sedimentation Control: Examine the site to verify that temporary erosionand sedimentation-control measures are in place. Verify that flows of water redirected from construction areas or generated by construction activity do not enter or cross protection zones.
- B. Prepare written report, endorsed by arborist, listing conditions detrimental to tree and plant protection.

3.2 PREPARATION

- A. Locate and clearly identify trees to remain. Do not flag trees to remain.
- B. Protect tree root systems from damage caused by runoff or spillage of noxious materials while mixing, placing, or storing construction materials. Protect root systems from ponding, eroding, or excessive wetting caused by dewatering operations.

3.3 PROTECTION ZONES

A. Protection-Zone Fencing: Install protection-zone fencing along edges of protection zones before materials or equipment are brought on the site and construction operations begin in a manner that will prevent people from easily entering protected areas except by entrance gates. Construct fencing so as not to obstruct safe passage or visibility at vehicle intersections where fencing is located adjacent to pedestrian walkways or in close proximity to street intersections, drives, or other vehicular circulation.

1. Plastic Fencing: Stretch fabric taut and secure to posts without bows or sags.

B. Maintain protection zones free of weeds and trash.

C. Water: All trees designated for protection shall receive 5-10 gallons of water per caliper inch every seven days throughout the construction period. The amount and frequency of irrigation may be adjusted as needed due to temperature fluctuations and site conditions as directed by Urban Forestry staff.

- D. Maintain protection-zone fencing and signage in good condition as acceptable to Architect and remove when construction operations are complete and equipment has been removed from the site.
 - 1. Do not remove protection-zone fencing, even temporarily, to allow deliveries or equipment access through the protection zone.
 - 2. Temporary access is permitted subject to preapproval in writing by arborist if a root buffer effective against soil compaction is constructed as directed by arborist. Maintain root buffer so long as access is permitted.

3.4 EXCAVATION

- A. General: Excavate at edge of protection zones and for trenches indicated within protection zones in accordance with requirements in Section 312000 "Earth Moving" unless otherwise indicated.
- B. Trenching within Protection Zones: Where utility trenches are required within protection zones, excavate under or around tree roots by hand or with air spade, or tunnel under the roots by drilling, auger boring, or pipe jacking. Do not cut main lateral tree roots or taproots; cut only smaller roots that interfere with installation of utilities. Cut roots as required for root pruning. If excavating by hand, use narrow-tine spading forks to comb soil and expose roots.

3.5 ROOT PRUNING

- A. Prune tree roots that are affected by temporary and permanent construction. Prune roots as indicated on Drawings and as follows:
 - 1. Cut roots manually by digging a trench and cutting exposed roots with sharp pruning instruments; do not break, tear, chop, or slant the cuts. Do not use a backhoe or other equipment that rips, tears, or pulls roots.
 - 2. Cut Ends: Do not paint cut root ends.
 - 3. Temporarily support and protect roots from damage until they are permanently covered with soil.
 - 4. Cover exposed roots with burlap and water regularly.
 - 5. Backfill as soon as possible in accordance with requirements in Section 312000 "Earth Moving."

- B. Root Pruning at Edge of Protection Zone: Prune tree roots flush with the edge of the protection zone by cleanly cutting all roots to the depth of the required excavation.
- C. Root Pruning within Protection Zone: Clear and excavate by hand or with air spade to the depth of the required excavation to minimize damage to tree root systems. If excavating by hand, use narrow-tine spading forks to comb soil to expose roots. Cleanly cut roots as close to excavation as possible.

3.6 CROWN PRUNING

- A. Prune branches that are affected by temporary and permanent construction. Prune branches as directed by arborist.
 - 1. Prune to remove only injured, broken, dying, or dead branches unless otherwise indicated. Do not prune for shape unless otherwise indicated.
 - 2. Do not remove or reduce living branches to compensate for root loss caused by damaging or cutting root system.
 - 3. Pruning Standards: Prune trees in accordance with ANSI A300 (Part 1).
 - a. Type of Pruning: Clearance pruning for equipment access up to a maximum of 14' clearance all around, if required by Owner.
- B. Unless otherwise directed by arborist and acceptable to Architect, do not cut tree leaders.
- C. Cut branches with sharp pruning instruments; do not break or chop.
- D. Do not paint or apply sealants to wounds.
- E. Provide subsequent maintenance pruning during Contract period as recommended by arborist.
- F. Chip removed branches and dispose of off-site.

3.7 REGRADING

- A. Lowering Grade: Where new finish grade is indicated below existing grade around trees, slope grade beyond the protection zone. Maintain existing grades within the protection zone.
- B. Lowering Grade within Protection Zone: Where new finish grade is indicated below existing grade around trees, slope grade away from trees as recommended by arborist unless otherwise indicated.
 - 1. Root Pruning: Prune tree roots exposed by lowering the grade. Do not cut main lateral roots or taproots; cut only smaller roots. Cut roots as required for root pruning.

C. Raising Grade: Where new finish grade is indicated above existing grade around trees, TEMPORARY TREE AND PLANT 015639 - 6 PROTECTION slope grade beyond the protection zone. Maintain existing grades within the protection zone.

D. Minor Fill within Protection Zone: Where existing grade is 2 inches or less below elevation of finish grade, fill. Place planting soil in a single uncompacted layer and hand grade to required finish elevations.

3.8 FIELD QUALITY CONTROL

A. Inspections: Engage a qualified arborist to direct plant-protection measures in the vicinity of trees, shrubs, and other vegetation indicated to remain and to prepare inspection reports.

3.9 REPAIR AND REPLACEMENT

- A. General: Repair or replace trees, shrubs, and other vegetation indicated to remain or to be relocated that are damaged by construction operations, in a manner approved by Architect.
 - 1. Submit details of proposed pruning and repairs.
 - 2. Perform repairs of damaged trunks, branches, and roots within 24 hours in accordance with arborist's written instructions.
 - 3. Replace trees and other plants that cannot be repaired and restored to fullgrowth status, as determined by Architect.

END OF SECTION 015639

SECTION 321800 – ATHLETIC SURFACING

PART 1 - GENERAL

1.1 SUMMARY

- A. Textured acrylic surfacing for concrete tennis courts and similar play areas.
- B. Related Requirements:
 - 1. Section 321313 "Concrete Paving".

C. References

- 1. USA Pickleball Association (USAPA).
- 2. American Sports Builders Association (ASBA).
- 3. United States Tennis Association (USTA).

4. ASTM E1745 – Water Vapor Retarders Used in Contact with Soil or Granular Fill Under Concrete Slabs.

1.2 QUALITY ASSURANCE

- A. Surfacing shall conform to the guidelines of the ASBA for planarity.
- B. All surface coatings products shall be supplied by a single manufacturer.
- C. The contractor shall record the batch number of each product used on the site and maintain it through the warranty period.
- D. The contractor shall provide the inspector, upon request, an estimate of the volume of each product to be used on the site.
- E. The installer shall be an authorized applicator of the specified system.
- F. The manufacturer's representative shall be available to help resolve material questions.

1.3 SUBMITTALS

- A. Manufacturer specifications for components, color chart and installation instructions.
- B. Authorized Applicator certificate from the surface system manufacturer.
- C. ITF classification certificate for the system to be installed.
- D. Reference list from the installer of at least 5 projects of similar scope done in each of

ATHLETIC SURFACING

the past 3 years.

- E. Current Material Safety Data Sheets (MSDS).
- F. Product substitution: If other than the product specified, the contractor shall submit at least 7 days prior to the bid date a complete type written list of proposed substitutions with sufficient data, drawings, samples and literature to demonstrate to the Owner's satisfaction that the proposed substitution is of equal quality and utility to that originally specified. Information must include a QUV test of at least 1000 hours illustrating the UV stability of the system. The color system shall have an ITF pace rating in Category 3. Under no circumstances will systems from multiple manufacturers be considered.

1.4 MATERIAL HANDLING AND STORAGE

- A. Store materials in accordance with manufacturer specifications and SDS.
- B. Deliver product to the site in original unopened containers with proper labels attached.
- C. All surfacing materials shall be non-flammable.

1.5 GUARANTEE

A. Provide a guarantee against defects in the materials and workmanship for a period of one year from the date of substantial completion.

1.6 INSTALLER QUALIFICATIONS

- A. Installer shall be regularly engaged in construction and surfacing of acrylic tennis courts, play courts or similar surfaces.
- B. Installer shall be an Authorized Applicator of the specified surface system.

1.7 MANUFACTURER QUALIFICATIONS

- A. System manufacturer shall provide documentation that the surface to be installed has been classified by the ITF as a medium pace surface.
- B. System manufacturer shall be a US owned company.
- C. System manufacturer shall be a member of the ASBA.

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. California Sports Surfaces, a division of the ICP Group, Andover, MA. 01810 / Plexipave System, or Owner approved equal.
- B. Substitutions: Submit requests at least 7 days prior to the bid date with a complete type written list of proposed substitutions with sufficient data, drawings, samples and literature to demonstrate to the Owner's satisfaction that the proposed substitution is of equal quality and utility to the specified product. Information must include a QUV test of at least 1000 hours illustrating the UV stability of the system. The system shall have an ITF pace rating.

2.2 MATERIALS

- A. Patching Mix (California Court Patch Binder or Owner approved equal) for use in patching cracks, holes, depressions and other surface imperfections.
- B. Crack Filler (California Crack Filler or Owner approved equal) for use in filling fine cracks.
- C. Acrylic Filler Course (California Acrylic Resurfacer or Owner approved equal) for use as a filler for new or existing concrete surfaces. The acrylic filler shall be blended with approved silica sand at the job site.
- D. Acrylic Color Playing Surface (Plexichrome Ultra Performance/Plexipave Color Base or Owner approved equal) – for use as the finish color and texture. Plexichrome and Plexipave Color Base are blended at the job site to achieve the correct surface texture.
 *Factory Fortified Plexipave may be used as an alternative material. Colors based on Plexipave color chart to be as follows or approved equal:
 - 1. Service A Color Type 1: Purple.
 - 2. Non-volley Zone Color Type 2: Gray.
 - 3. Overrun Areas Color Type 3: Light Green.
- E. Line Paint (California Line Paint or Owner approved equal) for use as the line marking on the court/play surface. All line paint colors to be White.
- F. Water for use in dilution/mixing shall be clean and potable.

G. Vapor Barrier – to prevent moisture transmission.

- 2.3 MATERIAL SPECIFICATIONS
 - A. Court Patch Binder acrylic resin blended with Portland Cement and silica sand.
 - B. Plexipave Crack Filler acrylic resin heavily filled with sand.

ATHLETIC SURFACING

1

- C. California Acrylic Resurfacer – acrylic resin (no vinyl copolymerization constituent). The product shall contain not less than 3.5% attapulgite.
- D. Plexichrome Ultra Performance –acrylic resin (no vinyl copolymerization constituent) with selected light fast pigments.
- Ε. Plexipave Color Base – acrylic resin containing no vinyl copolymerization constituent. Contains not more than 63% rounded silica sand.
- F. California Line Paint – 100% acrylic resin containing no alkyds or vinyl constituents. Texturing shall be rounded silica sand.
- G. All surfacing materials shall be non-flammable and have a VOC content of not less than 100g/L. Measured by EPA method 24.

Η. 10 mil polyethylene vapor barrier: ASTM E1745 – Water Vapor Retarders Used in Contact with Soil or Granular Fill Under Concrete Slabs. Install vapor barrier as per Manufacturer's standards and the USA Pickleball 1. Association (USAPA) Construction & Maintenance Manual, current edition.

PART 3 - EXECUTION

3.1 WEATHER LIMITATIONS

- Do not install when rainfall in imminent or extremely high humidity prevents drying. Α.
- Β. Do not apply unless surface and air temperature are 50°F and rising.
- C. Do not apply if surface temperature is in excess of 140°F.
- 3.2 INSTALLATION OF VAPOR BARRIER
 - Α. Install vapor barrier below concrete as indicated on Drawings.
 - Β. Install two layers of 10 mil polyethylene sheeting laid in opposite directions. Overlap and tape vapor barrier joints. Pull up edges so they cover the edges of the concrete slab.
 - C. Do not puncture the barrier during installation of the tendons and pouring of the concrete.

3.3 PREPARATION FOR ACRYLIC COLOR PLAYING SYSTEM

Α. Clean surfaces of loose dirt, oil, grease, leaves, and other debris in strict accordance with manufacturer's directions. Pressure washing will be necessary to adequately clean areas to be coated. Any areas previously showing algae growth shall be treated with Clorox or approved product to kill the organisms and then be properly rinsed.

- B. Holes and cracks: Cracks and holes shall be cleaned and a suitable soil sterilant, as approved by the Owner, shall be applied to kill all vegetation 14 days prior to use of Court Patch Binder according to manufacturer's specifications.
- C. Water Testing for courts: Check the finished surface of concrete for puddling by flooding the entire paved area with water. Any puddle holding water deeper than a five cent piece should be outlined with chalk and filled in accordance. It is the Contractor's responsibility to provide water for this test, which may include use of a City hydrant through the Hydrant Use Permit process, a water truck with sufficient volume to perform the test, or Parks irrigation if available at this location.
- D. Corrective work for puddling areas, or "Birdbaths" on courts:
 - 1. Any areas holding enough water to cover a five cent piece (American coin) after draining a minimum of one hour at a minimum of 70 degrees Fahrenheit in sunlight should be outlined with chalk and the water swept out. After the area is cleaned and dried, fill area with Court Patch Binder Patching Mix or Owner approved equal. 3 gallons of Court Patch Binder, 100 lbs. 60-80 silica sand, 1-gallon Dry Portland Cement (Type I). Allow tack coat to dry completely. This step shall be accomplished prior to the squeegee application of Acrylic Resurfacer and must be applied to the entire area within the chalk-line.
 - 2. Estimate the required quantity of the thin patching mixture to fill such "birdbaths." Apply it to the area, and strike it off with a straight-edge the length of which is in excess of the dimensions of the "birdbath." A proper strike-off will level such a birdbath to the same elevation as the surrounding surface. After the leveling operation, the patch should be allowed to cure properly.
 - 3. The patch material should be compatible with the surfacing material and should be used in accordance with the surfacing manufacturer's directions.
 - 4. Upon acceptance of concrete paving surface, edges of courts to be clean, straight with square corners.
 - 5. No work from this stage on shall commence until an inspector has accepted the surface.
- E. Filler Course. (Acrylic Resurfacer): Filler course shall be applied to the clean underlying surface in one application to obtain a total quantity of not less than .06 gallon per square yard based on the material prior to any dilution. Acrylic Resurfacer may be used to pre-coat depression and crack/hole repairs to achieve better planarity prior to filler course application.
 - 1. Over a properly repaired surface of concrete on existing courts, apply one coat of Acrylic Resurfacer according to the following mix:
 - a. Acrylic Resurfacer: 55 gallons.
 - b. Water: 20-40 gallons.
 - c. Sand: 600-800 pounds / 60-80 mesh.
 - d. Liquid Yield: 112-138 gallons.

On new concrete, two coats of Acrylic Resurfacer shall be used to properly fill all

voids in the concrete surface. Use clean, dry 50-60 mesh sand and clean, potable water to make mixes. The quantity of sand and water in the above mix may be adjusted within above limits to complement the roughness and temperature of the surface.

- 2. Mix the ingredients thoroughly using accepted mixing devices and use a 70 Durometer rubber bladed squeegee to apply each coat of Acrylic Resurfacer as required.
- 3. Allow the application of Acrylic Resurfacer to dry thoroughly. Scrape off all ridges and rough spots prior to any subsequent application of Acrylic Resurfacer or subsequent cushion or color surface system.

3.4 APPLICATION OF ACRYLIC COLOR PLAYING SURFACE

- A. All areas to be color coated shall be clean, free from sand, clay, grease, dust, salt or other foreign matters. The Contractor shall obtain the Owner's approval, prior to applying any surface treatment.
- B. Blend color base and Plexichrome Ultra Performance with a mechanical mixer to achieve a uniform Fortified Plexipave mixture. The mix shall be:
 - 1. Color Base: 30 gallons.
 - 2. Plexichrom: 20 gallons.
 - 3. Water: 20 gallons.
- C. Application shall be made by 50 durometer rubber faced squeegees. The Fortified Plexipave mixture should be poured on to the court surface and spread to a uniform thickness in a regular pattern.
- D. A total of 3 applications of Fortified Plexipave shall be made to achieve a total application rate of not less than .15 gal./sy. No application should be made until the previous application is thoroughly dry.

3.5 INSTALLATION TOLERANCES

- A. Pavement Surface Smoothness for courts: Compact each course to produce a surface smoothness within the following tolerances and as defined below, as determined by using a 10-foot straightedge applied transversely or longitudinally to paved areas:
 - 1. Base Course: 1/4 inch.
 - 2. Surface Course: 1/8 inch.
 - 3. Surface Tolerances for the concrete surface shall comply with American Sports Builders Association / USTA requirements per "Tennis Courts, A Construction and Maintenance Manual" for:
 - a. Slope
 - b. Planarity
 - c. Evenness
 - d. Small Irregularities.

4. Contractor shall demonstrate conformance with requirements prior to final court surfacing.

3.6 LINE PAINTING

A. Line shall be 2" wide unless otherwise noted on the drawings. Lines shall be carefully laid out in accordance with ASBA and USAPA guidelines. The area to be marked shall be taped to insure a crisp line. The California Line Paint shall have a texture similar to the surrounding play surface. Application shall be made by brush or roller at the rate of 150-200 sg./gal. (3/4 gal. per tennis court).

3.7 PROTECTION

- A. Erect temporary barriers to protect coatings during drying and curing.
- B. Lock gates to prevent use until acceptance by the Owner.

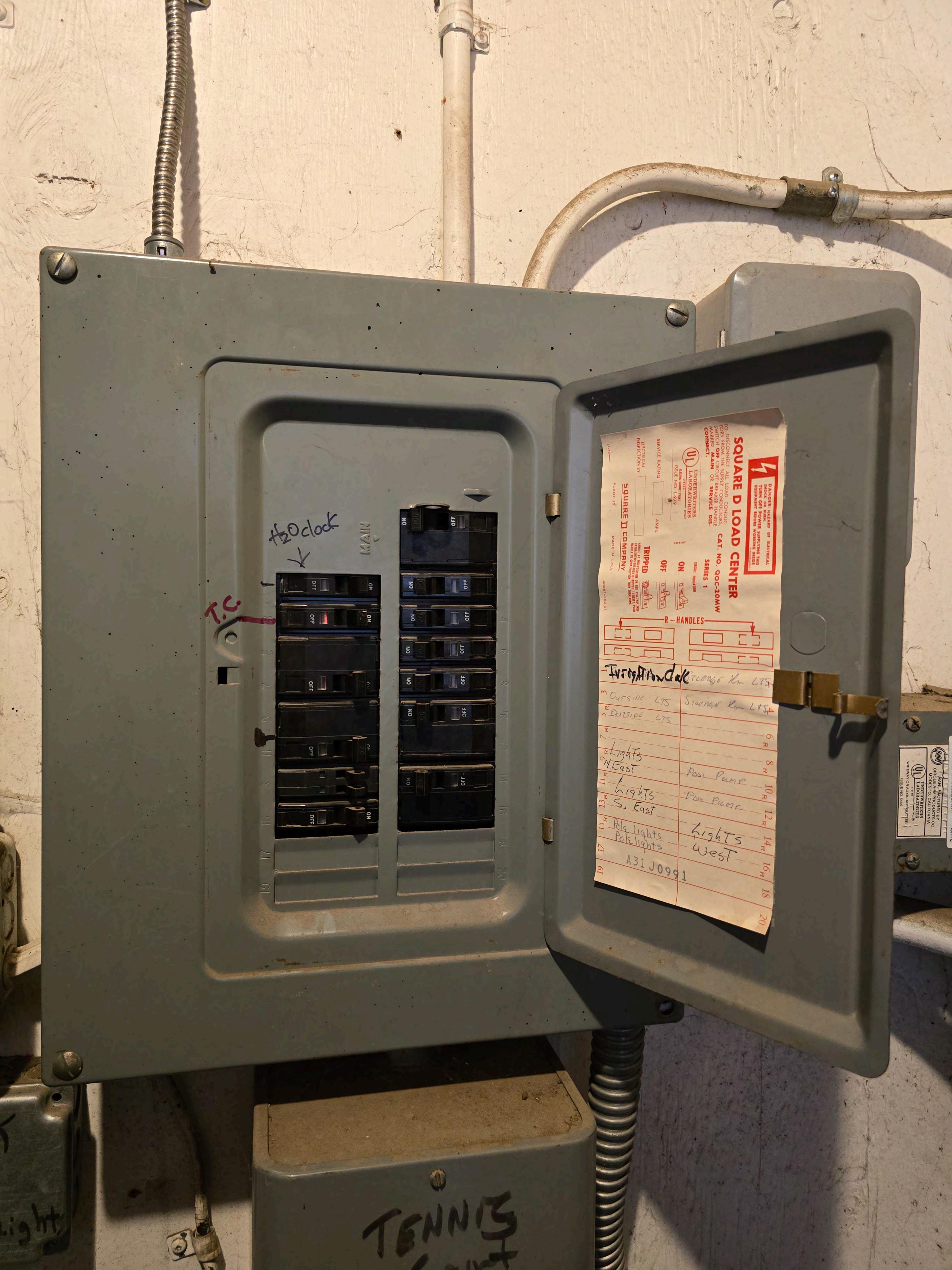
3.8 CLEAN UP

- A. Remove all containers, surplus materials and debris. Dispose of materials in accordance with local, state and Federal regulations.
- B. Leave site in a clean and orderly condition.

END OF SECTION 323300



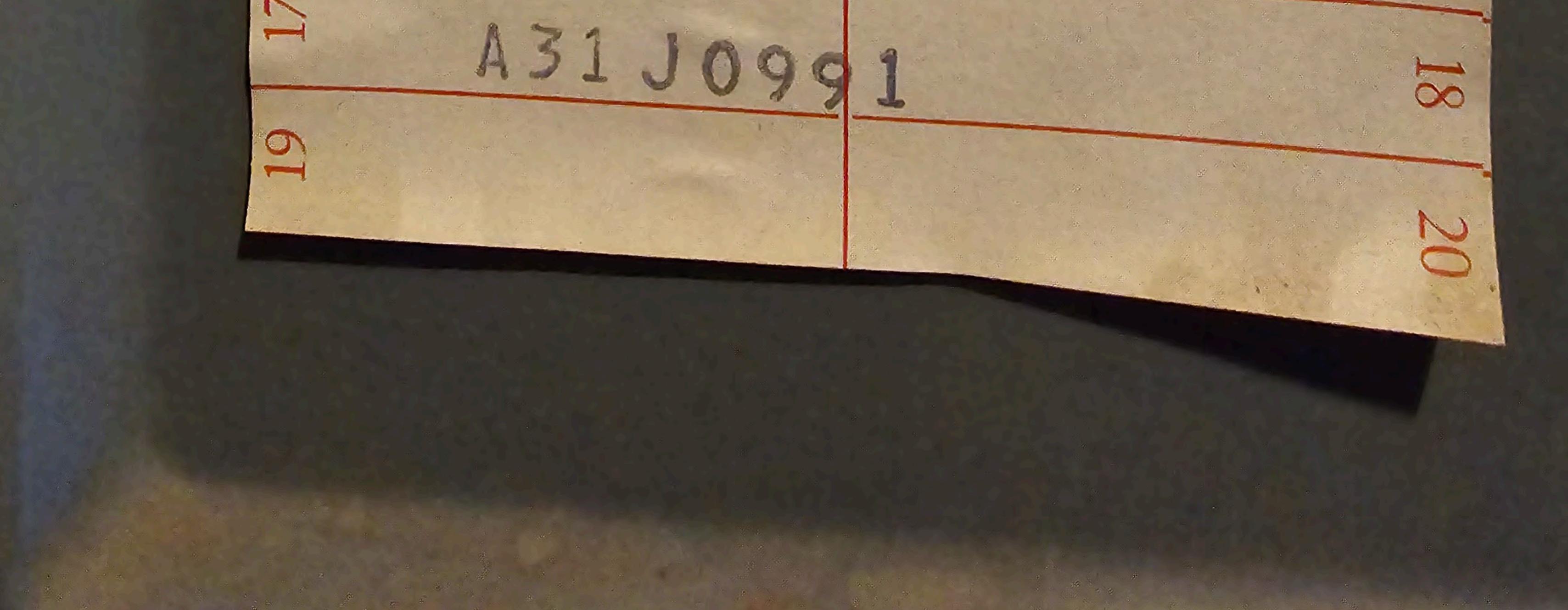








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BID PROPOSAL

To: Honorable Mayor Members of the City Council City of Spokane, Washington

PROJECT: #6109-24 UNDERHILL PARK SPORT COURT RENOVATION - BID

BIDDER'S DECLARATION.

The undersigned bidder certifies that it has examined the site, read and understands the specifications for the above project, and agrees to comply with all applicable federal, state and local laws and regulations. The bidder is advised that by signature of this bid proposal it has acknowledged all bid requirements and signed all certificates contained herein.

BID OFFER.

The price(s) listed in this bid proposal is tendered as an offer to furnish all labor, materials, equipment and supervision required to complete the proposed project in strict accordance with the contract documents. The bidder proposes to do the project at the following price:

BASE BID:

\$ 546,088.00

Total From Bid Schedule (Includes Tax)

BID ALTERNATES:

(1) Site Lighting & Power

\$_71,940.00

Includes Washington State Sales Tax

(2) Substitute Ornamental Fencing in lieu of Chain Link Fencing

\$ 10,355.00

Includes Washington State Sales Tax

The Owner reserves the right to accept or reject any or all bid prices within sixty (60) days of the bid date.

ADDENDA.

The undersigned acknowledges receipt of addenda number(s) <u>1</u> and agrees that their requirements have been included in this bid proposal.

CONTRACT COMPLETION TIME.

The bidder agrees to start the work under this contract within ten (10) days of the Notice to **Proceed and to substantially complete the specified work by within 150 calendar days or no later than November 8, 2024.**

LIQUIDATED DAMAGES.

In the event the bidder is awarded the contract and fails to complete the work within the time limit or any agreed upon time extensions, liquidated damages shall be paid to the City of Spokane in the amount of <u>ONE HUNDRED DOLLARS</u> (\$100.00) per working day until the work is satisfactorily completed.

BIDDER RESPONSIBILITY.

Washington State Contractor's Registration No. <u>CAMERRL942NU</u> (must be in effect at time of bid submittal)

U.B.I. Number 602 633 401

Washington Employment Security Department Number 343 657-006

Washington Excise Tax Registration Number 602 633 401

City of Spokane Business License Number T11049806BUS

(The successful bidder and all subcontractors shall be licensed or have applied for a license to do business in the City of Spokane prior to proceeding with the proposed project.)

BID SECURITY.

A bid security in the amount of FIVE PERCENT (5%) of the total project bid as indicated above, is attached to this bid proposal. If the bidder is awarded the contract and fails to enter into a construction contract and/or furnish payment / performance bond(s) and proof of insurance within the required time period, the bid security shall be forfeited to the City of Spokane.

NON-COLLUSION.

The undersigned authorized representative of the undersigned firm, being first sworn on oath, certifies that the firm has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with the project for which this bid proposal is submitted.

Name of Bidder: ____CAMERON REILLY LLC

Signature of Bidder's Authorized Representative

PRESIDENT

Title

309 N PARK RD, SPOPKANE VALLEY WA 99212 Address

509-466-5555

Phone

9

IF INDIVIDUAL

Signed and Sworn To (or Affirmed) Before Me On

date

(Seal Or Stamp)

Signature of Notary Public

My appointment expires

IF PARTNERSHIP

I certify that I know or have satisfactory evidence that the above named person signed this bid proposal, on oath stated that he/she was authorized to sign it and acknowledged it as the partner(s) of the bidder, a partnership, to be the free and voluntary act of such party for the uses and purposes herein mentioned.

Signed and Sworn To (or Affirmed) Before Me On

date

(Seal Or Stamp)

Signature of Notary Public

My appointment expires _____

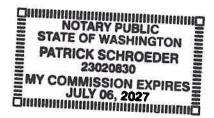
IF CORPORATION

I certify that I know or have satisfactory evidence that the above named person signed this bid proposal, on oath stated that he/she was authorized to sign it and acknowledged it as the representative of the bidder, a corporation, to be the free and voluntary act of such party for the uses and purposes herein mentioned.

(Seal Or Stamp)

Signature of Notary Public

My appointment expires _____7-6-2.7



Shoch

Bid Response Summary

Bid Number	PW ITB 6109-24
Bid Title	Underhill Park Sport Court Renovation
Due Date	Monday, May 13, 2024 1:00:00 PM [(UTC-08:00) Pacific Time (US & Canada)]
Bid Status	Closed to Bidding
Company	Cameron-Reilly, LLC
Submitted By	Mike Reilly - Monday, May 13, 2024 11:32:54 AM [(UTC-08:00) Pacific Time (US & Canada)]
	bids@cameron-reilly.com
Comments	

Question Responses

Group	Reference Number	Question	Response
GENERAL			
INFORMATION	CONTRACTOR'S	The Contractor by making its Bid represents that it has read	Acknowledged and
	REPRESENTATION	and understands the project requirements.	Agreed
	REFILESENTATION	Award of Contract, when made by the City, will be to lowest	Agreeu
	AWARD OF	responsive responsible bidder based on cost. Unsuccessful	Acknowledged and
	CONTRACT	Contractors will not automatically be notified of results.	Agreed
	CONTRACT	Contract renewals or extensions may be initiated by the	Acknowledged and
	RENEWALS	City of Spokane, subject to mutual agreement.	Agreed
		Within ten (10) days of contract award, the Contractor shall	
	EXECUTION OF	sign and return to the City an executed copy of the contract	Acknowledged and
	CONTRACT	unless otherwise mutually agreed by the City and	Agreed
		Contractor.	
		The Contractor guarantees all work, labor and materials for	
		one (1) year following final acceptance. If any unsatisfactory	
		condition or defect develops within that time, the Contractor	
	GUARANTEE	shall immediately place the work in a satisfactory condition,	Acknowledged and
		and further repair all damage caused by the condition or	Agreed
		defect at its sole expense. This guarantee shall not apply to	
		work which has been abused or neglected by the City.	
		Payment will be made via direct deposit/ACH after receipt	
		of the Contractor's application except as provided by state	
		law. If the City objects to all or any portion of the invoice, it	
	PAYMENT	shall notify the Contractor and reserves the right to only pay	Acknowledged and
		that portion of the invoice not in dispute. In that event, the	Agreed
		parties shall immediately make every effort to settle the	
		disputed amount.	
		The City reserves the right to reject any or all Bids, to waive	
		minor deviations from the specifications, to waive minor	A alas and a last distant
	REJECTION OF	informalities in Bid process whenever it is in the City's best	Acknowledged an
	BIDS	interest, and to accept or reject all or part of this Request	Agreed
	for Bids, at the prices shown.		
	CONTRACTOR	The Contractor shall be a Washington State registered and	Acknowledged and
	REGISTRATION	licensed contractor at time of Bid submittal.	Agreed
		The bidder agrees to start the work under this contract	
	COMPLETION	within ten (10) days of the Notice to Proceed and to	Acknowledged and
TIME	substantially complete the specified work by within 150	Agreed	
		calendar days or no later than November 8, 2024.	

	CONTRACTOR CONTACT INFORMATION	Indicate the appropriate point of contact (including phone number and email) regarding this bid and placement of order if awarded. If these actions will not be managed by the same person, please explicitly specify all relevant contacts.	Mike Reilly 509- 466-5555 mike@cameron- reilly.com
PUBLIC WORKS REQUIREMENTS			
	1	The work under this contract constitutes a public work under state law.	Acknowledged an Agreed
	2	Payment/performance bonds will be required.	Acknowledged an Agreed
	3	Statutory retainage will be required.	Acknowledged an Agreed
	4	The State prevailing rate of wages to be paid to all workmen, laborers or mechanics employed in the performance of any part of this Contract shall be in accordance with the provisions of Chapter 39.12 of the Revised Code of Washington (RCW) and the rules and regulations of the Washington State Department of Labor and Industries (L & amp; I).	Acknowledged an Agreed
	5	The State of Washington prevailing wage rates applicable for this public works project, which is located in Spokane County, may be found at the following website address of the Department of Labor and Industries: https://fortress.wa.gov/lni/wagelookup/prvWagelookup.aspx. Based on the bid submittal deadline for this project, the applicable effective date for prevailing wages for this project is Monday, May 13, 2024.	Acknowledged an Agreed
	6	If apprentices are to be used, they must be registered with the State Apprenticeship Council; otherwise, they are to be paid State prevailing journeyman wages.	Acknowledged an Agreed
	7	The Contractor and any subcontractors will submit a "Statement of Intent to Pay Prevailing Wages" certified by the industrial statistician of the Department of Labor and Industries, prior to any work or payments. The "Statement of Intent to Pay Prevailing Wages" shall include: (1) the Contractor's registration number; and (2) the prevailing wages under RCW 39.12.020 and the number of workers in each classification. Prior to payment of funds held under RCW 39.12.040, the Contractor and subcontractors must submit an "Affidavit of Wages Paid" certified by the industrial statistician annually for all work completed within the previous twelve-month period of the unit priced contract (RCW 35.22.620).	Acknowledged an Agreed
	8	The Contractor is responsible for payment of fees for the approval of "Statements of Intent to Pay Prevailing Wages" and "Affidavits of Wages Paid" and shall make all applications directly to L 8 applies	Acknowledged an Agreed
	9	applications directly to L&I. As of July 1, 2019 contractors must have fulfilled the Department of Labor and Industries' Public Works and Prevailing Wage Training Requirement before bidding and/or performing work on public works projects under RCW 39.04.350 and RCW 39.06.020	Acknowledged an Agreed

CONDITIONS			
	1	By submitting a bid, Contractor acknowledges that they have read and understand the General Conditions	Acknowledged an Agreed
		Document in the 'Documents' tab.	
REQUIREMENTS		Unless otherwise stated, the Contractor will be responsible	
		for the furnishing of all labor, supervision, materials, tools,	
		construction equipment, transportation, and other items of	
		work and costs necessary for the proper performance and	
		completion of the described Work. The apparent silence or	
	Performance	omission as to any detail of any Work to be done or	Acknowledged ar
		materials to be furnished and required for the proper	Agreed
		performance of the Work, shall be regarded as meaning	
		that the best general practice is to prevail, and that material	
		and workmanship of the best quality are to be used, and	
		interpretation of the scope of work shall be made upon this basis.	
		The Contractor has reviewed and understands the	
		document entitled "PW ITB 6109-24 Underhill Park Sports	Acknowledged ar
	Scope of Work	Court Renovation Bid Document" as well as the Specs and	Agreed
		Drawings in the 'Documents' tab.	
		Base Bid - o Establishing a construction boundary, tree	
		protection, and erosion and sedimentary control. o Removal	
		of two existing trees, demolition of two existing basketball	
		courts and one tennis court (including pavement, aggregate	
		base course, and equipment as indicated on drawings),	
		removal of existing fencing and gates, and removal of	l do not understa
	Scope of Work	existing site lighting (including light poles, luminaires,	and do not agree
		concrete bases, underground power, and all associated	0
		equipment). o Construction of two concrete basketball	
		courts. o Construction of two concrete pickleball courts with	
		acrylic surfacing. o New chain link fencing and gates, site furniture, concrete sidewalks and post footings, irrigation	
		and landscape repairs.	
		o Alternate 1: Replace all chain link fence fabric with new	
		material per specifications.o Alternate 1: Overhead site	
		lighting including but not limited to, install new light poles,	
	0 000	luminaires, bases, underground power, and all associated	I understand and
	Scope of Work	equipment. □ Plans and technical specifications that	agree
		accompany this document identify the equipment and	
		installation requirements, including locations for new	
		lighting.	
	Scope of Work	o Alternate 2: Substitute new ornamental fencing in lieu of	I understand and
		chain link fencing and gates.	agree
		Work shall be completed, whenever possible, in the most	
		timely and cost efficient manner for the citizens of Spokane.	Acknowledged ar
	Scope of Work	If projects may be combined to achieve reductions in	Agreed
		timeline and/or price, the Contractor shall make every reasonable effort to do so.	-

	Scope of Work	The Contractor shall be responsible for obtaining at its expense any related or necessary permits required by regulatory agencies.	Acknowledged and Agreed
	Professionalism	Successful Contractor will fulfill contract in a responsible, professional manner at all times. Representatives shall dress appropriately and use acceptable health and safety practices.	Acknowledged and Agreed
BID			
	1	Please download the 'Bid Proposal' Pages 7-9 of the PWITB #6109-24 Underhill Park Sports Court Renovation Bid Document in the 'Documents' tab, complete, and upload the completed document here.	BID PROPOSAL.pdf
	1a	Upload the Base Bid Schedule 1, Alternate Bid Schedule 1 and Alternate Bid Schedule 2 here. You can only upload one document here so save these three documents as one before uploading.	PW ITB #6109-24 Bid Schedules (2).pdf
	2	The bid shall be accompanied by a bid bond bound to the City of Spokane, in an amount of not less than five percent (5%) of the total bid amount. Bid bonds must be by a surety company authorized to do business as a surety in Washington State. If the bidder is awarded the contract and fails to enter into a construction contract and/or furnish payment/performance bond(s) and proof of insurance within the required time period, the bid security shall be forfeited to the City of Spokane. Please upload your bid bond here (blank form Page 13 of the PW ITB #6109-24 Underhill Park Sports Court Renovation Bid Document in the 'Documents' tab).	BID BOND.pdf
	3	Please indicate if subcontractors will be used to complete this project.	Yes
	4	If subcontractors will be used, please use the 'Subcontractor List' Page 10 of the PW ITB #6109-24 Underhill Park Sports Court Renovation Bid Document from the 'Documents' tab, complete, and upload the completed document here. If subcontractors will be used, failure to upload the completed list may result in a non-responsive determination to this request.	SUBCONTRACTOF LIST.pdf
	5	The Contractor agrees that its Bid will NOT be withdrawn for a minimum of sixty (60) calendar days after the stated submittal date.	Acknowledged and Agreed
	6	Contractor acknowledges receipt of Addenda for this project.	1
CONTRACTOR RESPONSIBILITY			
	1	Washington State Contractor's Registration No.	CAMERRL942NU
	2	Contractor's U.B.I. Number	602 633 401
	3	Contractor's Washington Employment Security Department Number	343 657-006
	4	Contractor's Washington Excise Tax Registration Number	602 633 401
	5	Contractor's City of Spokane Business Registration Number	T11049806BUS

CERTIFICATION OF COMPLIANCE WITH WAGE PAYMENT STATUS		
1	The Contractor hereby certifies that, within the three-year period immediately preceding the bid solicitation date for this Project, the contractor is not a "willful" violator, as defined in RCW 49.48.082, of any provision of chapters 49.46, 49.48, or 49.52 RCW, as determined by a final and binding citation and notice of assessment issued by the Department of Labor and Industries or through a civil judgment entered by a court of limited or general jurisdiction. I certify (or declare) under penalty of perjury under the laws of the State of Washington that the foregoing is true and correct.	Acknowledged and Agreed

Pricing Responses

Group	Reference Number	Description	Туре	Unit Of Measure	Quantity	Unit Price	Ext Base Price	Commen
BID								
		Total						
		Project						
		Base Price						
	1	per Base	Base	Each	1.00	\$546,088.00	\$546,088.00	
		Bid						
		Schedule 1						
		Uploaded						
		Alternate 1		Each	1.00	\$71,940.00		
		Price - per						
	4	Alternate	Ontion					
	1	Bid	Option					
		Schedule 1						
		Uploaded						
		Alternate 2						
		Price - per						
	0	Alternate			4.00	\$10.055.00		
	2	Bid	Option	Each	1.00	\$10,355.00		
		Schedule 2						
		Uploaded						
Total Base Bid	\$546,088.0	0						

From:	Nate Thomas
То:	<u>Light, Michael</u>
Cc:	Prince, Thea; Mike Reilly
Subject:	RE: Underhill Park bid clarification
Date:	Monday, May 13, 2024 3:53:55 PM
Attachments:	image003.png
	image004.png
	image007.png
	image008.png
	image009.png
	image010.png
	image001.png
	image002.png

[CAUTION - EXTERNAL EMAIL - Verify Sender]

Michael,

Under the Technical Requirements section of the bid Cameron Reilly mistakenly checked the wrong box under Scope of Work; Base Bid. This box should have been marked Yes, I understand and I agree.



Nate Thomas

Estimator/PM O: <u>509.466.5555</u> | M: <u>509.828.0555</u> <u>crconcrete.pro</u>



COMMITMENT - TEAMWORK - STRENGTH

From: Light, Michael <mlight@spokanecity.org>
Sent: Monday, May 13, 2024 3:48 PM
To: Nate Thomas nthomas@cameron-reilly.com
Cc: Prince, Thea tprince@spokanecity.org
Subject: RE: Underhill Park bid clarification

Hi Nate, thanks for the phone call. Can you please reply to this email noting the error on checking the box for base bid scope of work and that you do understand and agree to the base bid scope of work?

Thanks,

Mike Light, PLA | City of Spokane Parks & Recreation mlight@spokanecity.org 509.724.3585

SpokaneParks.org

From: Light, Michael
Sent: Monday, May 13, 2024 3:30 PM
To: 'nate@crconcrete.pro' <<u>nate@crconcrete.pro</u>>
Subject: FW: Underhill Park bid clarification

Hi Nate, can you please see the below email I sent to Mike Reilly and give me a call back? CR appears to be our low bid for Underhill Park, however there was box in your submission checked for 'do not understand/agree' for the base bid scope of work therefore we'd like to get more information from on what is not understood/agreed.

If you, or someone associated with bid proposal could give me a call back as soon as possible, that would be greatly appreciated.

Thanks,

Mike Light, PLA | City of Spokane Parks & Recreation mlight@spokanecity.org 509.724.3585 SpokaneParks.org

From: Light, Michael
Sent: Monday, May 13, 2024 2:52 PM
To: mike@cameron-reilly.com
Cc: Prince, Thea <<u>tprince@spokanecity.org</u>>
Subject: Underhill Park bid clarification

Hi Mike,

We received your bid for Underhill Park Sport Court Renovation and noticed you had a 'do not understand' response for the base bid scope of work. Can you please give me a call at your earliest convenience so I get can get a better idea of what you do not understand/agree to?

Many thanks and I look forward to hearing back from you shortly.

Best,

Mike Light, PLA | Landscape Architect | City of Spokane Parks & Recreation Desk: 509.363.8255 | Cell: 509.724.3585 | <u>SpokaneParks.org</u> Preferred Contact: Cell | Working Status: Hybrid Emails and attachments sent to or from the City, including personal information, are presumptively public records that are subject to disclosure.- Chapter 42.56 RCW

Schedule Description Sport Court Renovation and Landscape Repair. 1 Project Number: 6109-24 Underhill Park Sport Court Renovation **Bid Item** Estimated a) Description of Bid Item b) No. Quantity Unit of Measure **Unit Price Total Amount** 101 1 LS MOBILIZATION * * * * * * \$ (Per Lump Sum) 39,998.00 102 1 LS SITE DEMOLITION, PREPARATION, 137,000.00 * * * * * * \$ GRADING, AND DRAINAGE (Per Lump Sum) 103 1 LS INSTALL HARDSCAPE FLATWORK AND * * * * * * \$ 201,500.00 SURFACE FINISHES (Per Lump Sum) 104 1 LS INSTALL SITE FURNITURE AND SPORT \$ 36,500.00 * * * * * * COURT EQUIPMENT (Per Lump Sum)

BASE BID SCHEDULE 1 | UNDERHILL PARK SPORT COURT RENOVATION

105 1 LS LANDSCAPE, PLANTING, AND 86,000.00 * * * * * * \$ IRRIGATION (Per Lump Sum) 106 1 LS WASHINGTON STATE RETAIL SALES TAX \$ 45,090.00 * * * * * * (9%) Subtotal Base Bid Schedule 1: \$ 546,088.00

ALTERNATE BID SCHEDULE 1 | UNDERHILL PARK SPORT COURT RENOVATION

Schedule	Description			
ALT 1	Site Lighting and Pow	er		
Project Number: 61	09-24	Underhill Park Sport Court Renovation		
Bid Item	Estimated	a) Description of Bid Item b)		
No.	Quantity	Unit of Measure	Unit Price	Total Amount
ALT 101	1 LS	SITE LIGHTING AND POWER		00 000 00
		(Per Lump Sum)	* * * * * *	\$ 66,000.00
ALT 102	1 LS	WASHINGTON STATE RETAIL SALES TAX		
		(9%)	* * * * * *	\$ 5,940.00
		Subtotal A	Iternate Schedule 1:	\$ 71,940.00

ALTERNATE BID SCHEDULE 2 | UNDERHILL PARK SPORT COURT RENOVATION

Schedule	Description								
ALT 2	Substitute new ornar	amental fencing in lieu of chain link fencing and gates as specified.							
Project Number:	6109-24	Underhill Park Sport Court Renov	ation						
Bid Item	Estimated	a) Description of Bid Item	b)						
No.	Quantity	Unit of Measure	Unit Price		Total Amount				
ALT 201	1 LS	ORNAMENTAL FENCING AND GA (Per Lump Sum)	TES * * * * * *	\$	9,500.00				
ALT 202	1 LS	WASHINGTON STATE RETAIL SAL (9%)	ES TAX * * * * * *	\$	855.00				
		Su	btotal Alternate Schedule 2:	\$	10,355.00				

THIS PAGES MUST BE COMPLETED AND UPLOADED INTO THE CITY OF SPOKANE'S **ELECTRONIC BIDDING SYSTEM.**

BID BOND

١	We, _	ON FILE	as Principal,
and			as Surety,
are held	d and	firmly bound unto the CITY OF SPOKANE, a Washington State mur	nicipal
corporat	ition, i	in the penal sum of FIVE PERCENT (5%) OF THE TOTAL AMOUNT	⁻ BID, for the
paymen	nt of w	which we jointly and severally bind ourselves, and our legal represent	atives and
success	sors.		

THE CONDITIONS OF THE OBLIGATION are that if the City of Spokane shall make timely award to the Principal for the

UNDERHILL PARK SPORT COURT RENOVATION - BID

according to the terms of the bid made by the Principal; and the Principal shall, within the specified time, enter into a contract with the City of Spokane and furnish bond(s) acceptable to the City, if required, then this obligation shall be null and void; otherwise it shall remain in full force and effect; but in no event will the surety's liability exceed this bond's face amount.

SIGNED AND SEALED on

AS PRINCIPAL

By: _____

Title: _____

A valid POWER OF ATTORNEY must accompany this bond.

AS SURETY

By: ______Attorney in Fact

THIS FORM MUST BE COMPLETED AND UPLOADED INTO THE CITY OF SPOKANE'S ELECTRONIC BIDDING SYSTEM <u>AND</u> INFORMATION MUST BE SUBMITTED ONLINE PER INSTRUCTIONS TO BIDDERS PARAGRAPH #16.

SUBCONTRACTOR LIST

PROJECT NAME: #6109-24 UNDERHILL PARK SPORT COURT RENOVATION – BID

IMPORTANT: REFER TO SECTION 5.2.1 OF THE SUPPLEMENTAL CONDITIONS FOR **INSTRUCTIONS ON COMPLETING THE SUBCONTRACTOR LIST** (use additional pages if *necessary*):

CONTRACTOR/SUPPLIER ____ROCKLYN ELECTRIC

TYPE OF WORK/BID ITEM ELECTRICAL

AMOUNT \$40,308

CONTRACTOR'S REGISTRATION NO. ROCKEL779BO

CONTRACTOR/SUPPLIER DELK MANAGEMENT

TYPE OF WORK/BID ITEM <u>LANDSCAPE</u>

AMOUNT \$76,112

CONTRACTOR'S REGISTRATION NO. DELK***781MM

CONTRACTOR/SUPPLIER IDAHO FENCE

TYPE OF WORK/BID ITEM FENCING

AMOUNT \$19,886

CONTRACTOR'S REGISTRATION NO. IDAHOFC895K

CONTRACTOR/SUPPLIER ARROW CONCRETE & ASPHALT SPECIALTIES

TYPE OF WORK/BID ITEM ______ PICKLEBALL SURFACING & BASKETBALL LINES

AMOUNT \$30,773

CONTRACTOR'S REGISTRATION NO. ARROWCA771CN

NO SUBCONTRACTORS WILL BE USED ON THIS PROJECT



< Business Lookup

License Inform	New search	Back to results								
Entity name:	CAMERON REILLY, LLC									
Business name:	CAMERON-REILLY, L.L.C.									
Entity type:	Limited Liability Company									
UBI #:	602-633-401	602-633-401								
Business ID:	001									
Location ID:	0001									
Location:	Active									
Location address:	309 N PARK RD SPOKANE VALLEY WA 99212-1128									
Mailing address:	309 N PARK RD SPOKANE VALLEY WA 99212-1128									
	$\overline{\checkmark}$									

Excise tax and reseller per	mit status:		Click here		
Secretary of State status:			Click here		
Endorsements					Filter
Endorsements held at this lo	Dicense #	Count	Details	Status	Expiration da First issuance
Cheney General Business - Non-Resident	BUS2015-07	5		Active	Jul-31-2024 Jan-14-2019
Ephrata General Business - Non-Resident				Active	Jul-31-2024 Aug-09-2021
Kennewick General Business - Non-Resident				Active	Jul-31-2024 Sep-30-2020
Liberty Lake General Business - Non-Resident	00809			Active	Jul-31-2024 Jul-05-2007
Minor Work Permit				Active	Jul-31-2024 Apr-20-2015
Moses Lake General Business - Non-Resident	BL2021-052	3		Active	Jul-31-2024 Aug-02-2021
Pasco General Business - Non-Resident	29854			Active	Jul-31-2024 Aug-19-2016
			~		

Endorsements held at this lo	License #	Count	Details	Status	Expiration d	a First issuance
Pullman General Business - Non-Resident				Active	Mar-31-202	5 Mar-08-2024
Spokane General Business - Non-Resident	T11049806BL	-		Active	Jul-31-2024	Oct-15-2012
Spokane Valley General Business				Active	Jul-31-2024	Feb-26-2007
Governing People	May include govern	ing people not registe	ered with Secretary of State			
Governing people			Title			
GRAINGER, JAYSON						
REILLY, MICHAEL						
SCHROEDER, JOE						
WESTBY, TODD						
Registered Trade N	lames					
Registered trade names		Status			Fi	rst issued
CAMERON-REILLY, L.L.C.		Active	\sim		A	ug-03-2006

Registered trade names	Status	First issued
CR CONCRETE	Active	Sep-29-2021
	The Business Lookup information is updated nightly. Search date 5/17/2024 9:19:43 AM	and time:

Contact us

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Don't see what you expected? Check if your browser is supported

A	CORD [®] CERT	ΓIF	IC	ATE OF LIA	BIL	ITY IN	ISURA	NCE		(MM/DD/YYYY) /20/2024	
C B R	THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.										
tł	IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).										
PRO	DUCER				CONTA NAME:	СТ					
	Parker, Smith & Feek Insur	ance	, LLC		PHONE	o, Ext): 425-709	9-3600	FAX (A/C. No	, 425-70	9-7460	
	2233 112th Avenue NE Bellevue, WA 98004				E-MAIL ADDRE	SS:		(700)10			
	Dellevice, WA 30004						SURER(S) AFFOR			NAIC #	
					INSURE	RA: Zurich	American Ins	urance Co.			
INSU	IRED Cameron-Reilly, LLC				INSURE	кв: Americ	an Guarantee	e & Liability Ins.			
	309 N Park Rd				INSURE	RC: Westch	nester Surplus	s Lines Insurance Co.			
	Spokane, WA 99212				INSURE	RD:					
					INSURE	RE:					
		-	~ ^ T		INSURE	RF:					
				E NUMBER:				REVISION NUMBER:			
	HIS IS TO CERTIFY THAT THE POLICIES IDICATED. NOTWITHSTANDING ANY RI ERTIFICATE MAY BE ISSUED OR MAY XCLUSIONS AND CONDITIONS OF SUCH	EQUIF PERT	REME TAIN,	NT, TERM OR CONDITION THE INSURANCE AFFORD	of an' Ed by	Y CONTRACT THE POLICIE	OR OTHER I S DESCRIBEI	DOCUMENT WITH RESPI	ЕСТ ТО	WHICH THIS	
INSR LTR			SUBR WVD			POLICY EFF	POLICY EXP (MM/DD/YYYY)	LIM	ITS		
A	GENERAL LIABILITY			GLO394676300		03/01/2024	03/01/2025	EACH OCCURRENCE	\$ 1,0	00,000	
	COMMERCIAL GENERAL LIABILITY	x	x			00/01/2021	00/01/2020	DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 300	,000	
	CLAIMS-MADE X OCCUR							MED EXP (Any one person)	_{\$} 5,0	00	
								PERSONAL & ADV INJURY	\$ 1,000,000 \$ 2,000,000		
								GENERAL AGGREGATE			
	GEN'L AGGREGATE LIMIT APPLIES PER:						PRODUCTS - COMP/OP AGG	\$ 2,0	00,000		
	POLICY X PRO- JECT X LOC							\$			
в	AUTOMOBILE LIABILITY			BAP394676400		03/01/2024	03/01/2025	COMBINED SINGLE LIMIT (Ea accident)	\$ 1,0	00,000	
					BODILY INJURY (Per person)			\$			
	ALL OWNED SCHEDULED AUTOS AUTOS NON-OWNED							BODILY INJURY (Per accident	,		
	HIRED AUTOS							PROPERTY DAMAGE (Per accident)	\$		
				CVC 420 4070000					\$		
В	UMBRELLA LIAB X OCCUR			SXSA394676600		03/01/2024	03/01/2025	EACH OCCURRENCE	2.0	00,000 00,000	
	X EXCESS LIAB CLAIMS-MADE	-						AGGREGATE	ψ		
-	DED RETENTION \$ WORKERS COMPENSATION			GLO394676300			WC STATU- TORY LIMITS ★ OTHER	\$ -			
A	AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE			** WA Stop Gap Liability	v 03/0	03/01/2024	03/01/2025		¢ 1.0	00,000	
	OFFICER/MEMBER EXCLUDED?	N / A						E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYE	1.0	00,000	
	If yes, describe under DESCRIPTION OF OPERATIONS below							E.L. DISEASE - POLICY LIMIT		00,000	
С	Pollution Liability			G74440940001			00/04/0005	\$2,000,000 Any One Po		Condition/	
						03/01/2023	03/01/2025	\$2,000,000 Annual Agg	regate L	imit	
	CRIPTION OF OPERATIONS / LOCATIONS / VEHIC						s required)	I			
Pro	ject #: PW ITB 6109-24; Project: Underh	ill Pa	irk Sp	oort Court Renovation; Job	Locatio	n; Spokane.					
Exc	ess Liability follows form over General L	iabili	tv								
	e Attached Description)										
CE	RTIFICATE HOLDER				CAN	ELLATION					
	City of Spokano Barka & Ba	orooti	ion		SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.						
	City of Spokane Parks & Re 808 W Spokane Falls Blvd.	Jied(AUTHO	RIZED REPRESE	NTATIVE				
	Spokane, WA 99201-3343					Ý	1.7				
					Laurintililliona						

ACORD 25 (2010/05)

1 of 8

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DESCRIPTIONS (Continued from Page 1)

City of Spokane Parks & Recreation and its officers, and employees and the Architect are additional insureds on the general liability policy per the attached endorsement/form.

endorsement/form. Waiver of subrogation applies on the general liability policy per the attached endorsement/form. Notice of cancellation for the general liability policy per the attached form.

.



Waiver Of Subrogation (Blanket) Endorsement

Policy No.	Eff. Date of Pol.	Exp. Date of Pol.	Eff. Date of End.	Producer No.	Add'l Prem.	Return Prem.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

This endorsement modifies insurance provided under the:

Commercial General Liability Coverage Part

The following is added to the **Transfer Of Rights Of Recovery Against Others To Us Condition**:

If you are required by a written contract or agreement, which is executed before a loss, to waive your rights of recovery from others, we agree to waive our rights of recovery. This waiver of rights shall not be construed to be a waiver with respect to any other operations in which the insured has no contractual interest.

Cancellation By Us



Policy No.	Eff. Date of Pol.	Exp. Date of Pol.	Eff. Date of End.	Producer	Add'l Prem.	Return Prem.

Named Insured and Mailing Address:

Producer:

PARKER SMITH & FEEK INSURANCE, LLC 2233 112TH AVE NE BELLEVUE, WA 98004-2936

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

This endorsement modifies insurance provided by the following:

Boiler and Machinery Coverage Form Business Auto Coverage Form Commercial Crime Coverage Form Commercial General Liability Coverage Form Commercial Inland Marine Coverage Form Commercial Property Coverage Form Farm Coverage Form Garage Coverage Form Liquor Liability Coverage Form Motor Carrier Coverage Form Pollution Liability Coverage Form Products/Completed Operations Liability Coverage Form Truckers Coverage Form

SCHEDULE

Number of Days' Notice: 60

(If no entry appears above, information required to complete this Schedule will be shown in the Declarations as applicable to this endorsement.)

For any statutorily permitted reason other than nonpayment of premium, the number of days required for notice of cancellation, as provided in paragraph 2, of either the CANCELLATION Common Policy Condition or as amended by an applicable state cancellation endorsement, is increased to the number of days shown in the Schedule above.

Signed by:_

Authorized Representative

(MKA00)



Additional Insured – Automatic – Owners, Lessees Or Contractors

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

This endorsement modifies insurance provided under the:

Commercial General Liability Coverage Part

- A. Section II Who Is An Insured is amended to include as an additional insured any person or organization whom you are required to add as an additional insured under a written contract or written agreement executed by you, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" and subject to the following:
 - 1. If such written contract or written agreement specifically requires that you provide that the person or organization be named as an additional insured under one or both of the following endorsements:
 - a. The Insurance Services Office (ISO) ISO CG 20 10 (10/01 edition); or
 - b. The ISO CG 20 37 (10/01 edition),

such person or organization is then an additional insured with respect to such endorsement(s), but only to the extent that "bodily injury", "property damage" or "personal and advertising injury" arises out of:

- (1) Your ongoing operations, with respect to Paragraph 1.a. above; or
- (2) "Your work", with respect to Paragraph 1.b. above,

which is the subject of the written contract or written agreement.

However, solely with respect to this Paragraph 1., insurance afforded to such additional insured:

- (a) Only applies if the "bodily injury", "property damage" or "personal and advertising injury" offense occurs during the policy period and subsequent to your execution of the written contract or written agreement; and
- (b) Does not apply to "bodily injury" or "property damage" caused by "your work" and included within the "products-completed operations hazard" unless the written contract or written agreement specifically requires that you provide such coverage to such additional insured.
- 2. If such written contract or written agreement specifically requires that you provide that the person or organization be named as an additional insured under one or both of the following endorsements:
 - a. The Insurance Services Office (ISO) ISO CG 20 10 (07/04 edition); or
 - b. The ISO CG 20 37 (07/04 edition),

such person or organization is then an additional insured with respect to such endorsement(s), but only to the extent that "bodily injury", "property damage" or "personal and advertising injury" is caused, in whole or in part, by:

- (1) Your acts or omissions; or
- (2) The acts or omissions of those acting on your behalf,

in the performance of:

- (a) Your ongoing operations, with respect to Paragraph 2.a. above; or
- (b) "Your work" and included in the "products-completed operations hazard", with respect to Paragraph **2.b.** above,

which is the subject of the written contract or written agreement.

However, solely with respect to this Paragraph **2**., insurance afforded to such additional insured:

- (i) Only applies if the "bodily injury", "property damage" or "personal and advertising injury" offense occurs during the policy period and subsequent to your execution of the written contract or written agreement; and
- (ii) Does not apply to "bodily injury" or "property damage" caused by "your work" and included within the "products-completed operations hazard" unless the written contract or written agreement specifically requires that you provide such coverage to such additional insured.
- **3.** If neither Paragraph **1**. nor Paragraph **2**. above apply and such written contract or written agreement requires that you provide that the person or organization be named as an additional insured:
 - a. Under the ISO CG 20 10 (04/13 edition, any subsequent edition or if no edition date is specified); or
 - b. With respect to ongoing operations (if no form is specified),

such person or organization is then an additional insured only to the extent that "bodily injury", "property damage" or "personal and advertising injury" is caused, in whole or in part by:

- (1) Your acts or omissions; or
- (2) The acts or omissions of those acting on your behalf,

in the performance of your ongoing operations, which is the subject of the written contract or written agreement.

However, solely with respect to this Paragraph 3., insurance afforded to such additional insured:

- (a) Only applies to the extent permitted by law;
- (b) Will not be broader than that which you are required by the written contract or written agreement to provide for such additional insured; and
- (c) Only applies if the "bodily injury", "property damage" or "personal and advertising injury" offense occurs during the policy period and subsequent to your execution of the written contract or written agreement.
- 4. If neither Paragraph 1. nor Paragraph 2. above apply and such written contract or written agreement requires that you provide that the person or organization be named as an additional insured:
 - a. Under the ISO CG 20 37 (04/13 edition, any subsequent edition or if no edition date is specified); or
 - b. With respect to the "products-completed operations hazard" (if no form is specified),

such person or organization is then an additional insured only to the extent that "bodily injury" or "property damage" is caused, in whole or in part by "your work" and included in the "products-completed operations hazard", which is the subject of the written contract or written agreement.

However, solely with respect to this Paragraph 4., insurance afforded to such additional insured:

- (1) Only applies to the extent permitted by law;
- (2) Will not be broader than that which you are required by the written contract or written agreement to provide for such additional insured;
- (3) Only applies if the "bodily injury" or "property damage" occurs during the policy period and subsequent to your execution of the written contract or written agreement; and

- (4) Does not apply to "bodily injury" or "property damage" caused by "your work" and included within the "products-completed operations hazard" unless the written contract or written agreement specifically requires that you provide such coverage to such additional insured.
- **B.** Solely with respect to the insurance afforded to any additional insured referenced in Section **A.** of this endorsement, the following additional exclusion applies:

This insurance does not apply to "bodily injury", "property damage" or "personal and advertising injury" arising out of the rendering of, or failure to render, any professional architectural, engineering or surveying services including:

- 1. The preparing, approving or failing to prepare or approve maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; or
- 2. Supervisory, inspection, architectural or engineering activities.

This exclusion applies even if the claims against any insured allege negligence or other wrongdoing in the supervision, hiring, employment, training or monitoring of others by that insured, if the "occurrence" which caused the "bodily injury" or "property damage", or the offense which caused the "personal and advertising injury", involved the rendering of or the failure to render any professional architectural, engineering or surveying services.

C. Solely with respect to the coverage provided by this endorsement, the following is added to Paragraph 2. Duties In The Event Of Occurrence, Offense, Claim Or Suit of Section IV – Commercial General Liability Conditions:

The additional insured must see to it that:

- (1) We are notified as soon as practicable of an "occurrence" or offense that may result in a claim;
- (2) We receive written notice of a claim or "suit" as soon as practicable; and
- (3) A request for defense and indemnity of the claim or "suit" will promptly be brought against any policy issued by another insurer under which the additional insured may be an insured in any capacity. This provision does not apply to insurance on which the additional insured is a Named Insured if the written contract or written agreement requires that this coverage be primary and non-contributory.
- **D.** Solely with respect to the coverage provided by this endorsement:
 - 1. The following is added to the Other Insurance Condition of Section IV Commercial General Liability Conditions:

Primary and Noncontributory insurance

This insurance is primary to and will not seek contribution from any other insurance available to an additional insured provided that:

- **a.** The additional insured is a Named Insured under such other insurance; and
- **b.** You are required by written contract or written agreement that this insurance be primary and not seek contribution from any other insurance available to the additional insured.
- 2. The following paragraph is added to Paragraph 4.b. of the Other Insurance Condition under Section IV Commercial General Liability Conditions:

This insurance is excess over:

Any of the other insurance, whether primary, excess, contingent or on any other basis, available to an additional insured, in which the additional insured on our policy is also covered as an additional insured on another policy providing coverage for the same "occurrence", offense, claim or "suit". This provision does not apply to any policy in which the additional insured is a Named Insured on such other policy and where our policy is required by a written contract or written agreement to provide coverage to the additional insured on a primary and non-contributory basis.

E. This endorsement does not apply to an additional insured which has been added to this Coverage Part by an endorsement showing the additional insured in a Schedule of additional insureds, and which endorsement applies specifically to that identified additional insured.

F. Solely with respect to the insurance afforded to an additional insured under Paragraph A.3. or Paragraph A.4. of this endorsement, the following is added to Section III – Limits Of Insurance:

Additional Insured – Automatic – Owners, Lessees Or Contractors Limit

The most we will pay on behalf of the additional insured is the amount of insurance:

- 1. Required by the written contract or written agreement referenced in Section A. of this endorsement; or
- 2. Available under the applicable Limits of Insurance shown in the Declarations,

whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

All other terms, conditions, provisions and exclusions of this policy remain the same.

Return to Minutes

Spokane Park Board Briefing Paper



Committee	Land Committee	Committee meeting date։ Ju		
Requester	Nick Hamad	Phone number: 50		
Type of agenda item	OConsent ODiscussion	OInformation	Action	
Type of contract/agreement	●New ●Renewal/ext. ●	_ease OAmendment/change	e order Other	
City Clerks file (OPR or policy #)				
Master Plan Goal, Objective, Strategy (Click HERE for link to the adopted plan)	Goal L, Objective 1	Master Plan Priority Tier: D (pg. 171-175)	Pistrict 2 Tier 3	
Item title : (Use exact language noted on the agenda)	Underhill Park sport court contr Association (\$85,000.00 reven	ibution agreement with Spokan	e Hoopfest	
Begin/end dates	Begins: 06/06/2024	Ends: 08/31/2025	06/01/2525	
\$85,000 toward the replacement of the camps for neighborhood youth and is in In 2022, Parks & Hoopfest jointly applie toward this improvement. If this agreen	 Background/history: Contribution agreement between Spokane Hoopfest Association and Spokane Parks enabling Hoopfest to contribute \$85,000 toward the replacement of the Underhill Park sport courts. This facility hosts large, free summer basketball camps for neighborhood youth and is in significant disrepair. In 2022, Parks & Hoopfest jointly applied for state RCO grant funding for this repair and were awarded \$330,000 toward this improvement. If this agreement is approved, the Hoopfest contribution and RCO grant will provide \$415,000 of the total court replacement cost. Remaining project funding is planned as a 2024 park capital expense. 			
Motion wording: Motion to approve Underhill Park sport co revenue)	ourt contribution agreement with	Spokane Hoopfest Association	(\$85,000.00	
Approvals/signatures outside Parks:	• Yes • No			
If so, who/what department, agency or co				
Name: Riley Stockton	Email address: riley@spokan	ehoopfest.net Phone:		
Distribution:	Mike Lig	ht		
Parks – Accounting	Jason C	-		
Parks – Sarah Deatrich	Riley Stockton (riley@spokanehoopfest.net) Megan Dyson			
Requester: Nick Hamad Grant Management Department/Name:	Megan	Jyson		
Fiscal impact: O Expenditure Amount:	Revenue Budget code:			
\$85,000		9999-36710-48093		
Vendor: O Existing vendor	🔘 New vendor			
Supporting documents:		for now contractors loss with the	andara	
Quotes/solicitation (RFP, RFQ, RFB) Contractor is on the City's A&E Roster - C		for new contractors/consultants/v orms (for new contractors/consult		
✓ UBI: 601-258-646 Business license exp		ince Certificate (min. \$1 million in		

City Clerk's No._____



CONTRIBUTION AGREEMENT

THE SPOKANE HOOPFEST ASSOCIATION TO CONTRIBUTE \$85,000 TO SPOKANE PARKS FOR REPLACEMENT OF A DAMAGED SPORT COURT WITHIN UNDERHILL PARK

THIS CONTRIBUTION AGREEMENT ("Agreement") is between the **CITY OF SPOKANE PARKS AND RECREATION DEPARTMENT**, as ("City"), and **THE SPOKANE HOOPFEST ASSOCIATION**, a 501(c)(3) corporation organized under the laws of the State of Washington, as ("HOOPFEST"). Hereinafter referenced together as the "parties", and individually a "party."

WHEREAS, the City of Spokane Parks and Recreation Department is the property owner and is responsible for maintaining Underhill Park (as more fully described in Section 1A, below, the "Underhill Park"), within the East Central neighborhood of the City of Spokane; and

WHEREAS, existing basketball and tennis court facilities within Underhill Park have substantially deteriorated and are no longer functionally available for community use; and

WHEREAS, in September of 2023, the City and HOOPFEST entered an agreement with the State of Washington Recreation and Conservation Office to accept state grant funding to reconstruct the deteriorated sport courts in Underhill Park; and

WHEREAS, HOOPFEST is engaged in raising funds to contribute to the reconstruction of the Underhill Park sport court (as more fully described in Section 1C below, the "Sport Court") and wishes to contribute funds to support the City's construction of a concrete sport court and appurtenances ("Court") within Underhill Park.

NOW THEREFORE, the parties hereto agree as follows:

AGREEMENTS:

1. <u>PREMISES</u>.

A. The City maintains Underhill Park, a 19 acre public park which includes: a playground, restroom, splash pad, sand volleyball court, baseball fields, a cricket pitch, basketball courts, tennis court, off-street parking facility, developed lawn, landscape & related improvements, and undeveloped natural land within the East Central neighborhood bounded by E. Hartson Ave. to the north, S. Fiske St. to the east, S. Regal St. to the West. and the Ben Burr Trail to the south, the approximate boundary of which is depicted in the attached Exhibit A, which also includes the location of the Court as approximately shown in Exhibit A.

B. HOOPFEST is willing to contribute (subject to the terms of this Agreement) funds for the construction of the Court as more specifically described herein, subject to the conditions set forth herein.

C. The Court shall be located within the northeast portion of Underhill Park, in the same general vicinity of the existing sport courts. Court improvements include but are not limited to: approximately 18,000 square feet of new concrete pavement striped for two new full-size basketball courts (50'x94'+buffer space) and two new dedicated pickleball courts, new court fencing, new site furnishings (basketball hoops, benches, trash receptacles), new sport court lighting, a new concrete park walkway connecting to the courts as required to provide ADA access to the courts, new ornamental landscape plantings, lawn and irrigation repair as required to accommodate the new courts, and a donor acknowledgment installation. All improvements are oriented as determined by the City in its sole and reasonable discretion and generally in conformance with the design shown in Exhibit B.

The City anticipates commencing construction of the Court in Summer of 2024, immediately after completion of regular basketball camps on the existing sport courts and further anticipates substantial completion of the Court suitable for public's use of the facility by the end of December 2024.

2. <u>CONTRIBUTION</u>. Pursuant to and subject to the terms and conditions of this Agreement, and subject to the full satisfaction of the conditions stated in this Section 2, HOOPFEST shall contribute EIGHTY-FIVE THOUSAND AND NO/100 DOLLARS (\$85,000.00) to the City to be used exclusively to finance construction of the Court (the "HOOPFEST Contribution"). It is understood that the HOOPFEST Contribution is comprised of \$20,000 from HOOPFEST, together with \$65,000 in grant funds from the Local Initiative Support Coalition & Dick's Sporting Goods (LISC). HOOPFEST shall pay the HOOPFEST Contribution to the City in two installments, as outlined below:

- (1) Installment one shall be \$20,000, paid within five business days after the City's recommendation to award a construction contract to the apparent low bidder for project construction.
- (2) Installment two shall be all remaining funds, paid within 60 days after sport court construction is substantially completed.

HOOPFEST shall be responsible for prompt compliance with LISC grant requirements, including the preparation and submittal of any documentation required by its grantors to secure grant funding.

HOOPFEST shall to make every effort to secure final payment from its contributors and deliver final payment to the city within 60 days of project substantial completion.

HOOPFEST shall have no further obligation to contribute funds to the City for any purpose whatsoever, including without limitation the continued maintenance of the Court, unless otherwise expressly agreed by the parties in a writing signed by each of their authorized representatives and setting forth the amount of such additional contribution.

HOOPFEST's obligation to make the HOOPFEST Contribution is subject to the following conditions, both precedent and subsequent, and upon the failure of any of the conditions set forth below for reasons beyond the City's control, the City shall promptly refund to HOOPFEST any portion of the HOOPFEST Contribution that has been paid to the City:

- (1) The completed Court shall substantially conform to the design depicted in Exhibit B.
- (2) The improvements to the Court shall be substantially completed no later than December 1, 2024.
- (3) The contributions of HOOPFEST, and of those parties making substantial contributions to HOOPFEST in support of the Court improvements as determined by HOOPFEST in its sole discretion shall be recognized on the donor plaque or monument that is part of the Court improvements.

RELATIONSHIP OF THE PARTIES. The relationship of the parties hereto is 3. simply that of a "grantor" of contributions (HOOPFEST) and a "grantee" of contributions (City) pursuant to the foregoing provisions of this Agreement. Nothing shall be construed herein to create a partnership, joint venture or other employment relationship between the parties hereto. Moreover, nothing hereunder shall be construed to create any form of ownership interest in HOOPFEST to the Court or any asset of the City, including, but not limited to: the Court improvements described in this Agreement once it has been installed, Underhill Park and improvements thereon. The parties acknowledge and agree that HOOPFEST has no authority or control whatsoever over the selection of the contractor to install the Court improvements described above; the actual design and specifications for construction of the Court or the operation and/or maintenance of the Court. The City hereby agrees to indemnify and hold harmless HOOPFEST from any claim, damage, loss (including, but not limited to attorney's fees), or other costs incurred by HOOPFEST as a result of this Agreement and the HOOPFEST contribution above. The foregoing indemnity obligation shall be construed as broadly as possible under Washington State law.

4. <u>TAXES</u>. Any and all taxes imposed on the contributions by HOOPFEST under this Agreement, including sales or use taxes arising from the design, construction or installation of the Court, shall be borne by the City.

5 <u>NOTICES</u>. Any and all notices required or permitted to be given under this Agreement shall be sufficient if furnished in writing and delivered in person or sent by certified mail (to be effective upon mailing) to the other party, at the addresses prescribed in this Agreement.

Spokane Hoopfest Association: 2206 S. Sherman Spokane, WA 99203

City of Spokane Parks and Recreation Department 808 West Spokane Falls Boulevard Spokane, WA 99201

6. <u>GOVERNING LAW</u>. This Agreement shall be interpreted, construed and governed according to the laws of the State of Washington.

7. <u>DISPUTES</u>. Any claim, controversy, or dispute between the Parties, their agents, employees, or representatives shall be resolved first by negotiation between senior-level personnel from each Party duly authorized to negotiate settlement agreements. Upon mutual agreement of the Parties, the Parties may invite an independent, disinterested mediator to assist in the negotiated settlement discussions. If the Parties have not resolved the dispute within thirty (30) days from the date the dispute was first raised, then such dispute may only be resolved in a court of competent jurisdiction in the County of Spokane, Washington. A good faith effort by the parties to resolve any such dispute by mediation shall be a condition precedent to any litigation relating to the dispute.

8. <u>MISCELLANEOUS</u>.

A. <u>Entire Agreement</u>. This Agreement shall constitute the entire agreement between the parties hereto pertaining to the contributions by HOOPFEST described herein and may not be modified or amended, except by a written instrument signed by each of the parties hereto expressing such modification or amendment. A failure on the part of either party to exercise or a delay in exercising any right, power or remedy hereunder shall not operate as a waiver, or future waiver thereof, except where a time limit is expressly specified herein. No single or partial exercise of any right, power or remedy. This Agreement contains all covenants, representations and warranties made between the parties hereto.

B. <u>Prior Agreements or Writings</u>. This Agreement completely supersedes any other agreement (oral or written) or writings between the parties hereto.

C. <u>Park Board Approval</u>. HOOPFEST acknowledges that this Agreement will not be binding on either party unless and until it has been approved by the Spokane Park Board and signed by the Parks Director.

9. <u>INTERPRETATION AND SIGNATURES</u>. Time is of the essence of this Agreement. This Agreement was the product of negotiation between the parties so that neither party shall be considered the drafter of this Agreement. This Agreement may be signed in counterparts. Captions are for convenience only and shall not be construed as substantive provisions of this Agreement. If any provision of this Agreement is determined to be unenforceable, it shall be severed from this Agreement with all other provisions of this Agreement to remain in effect and enforceable.

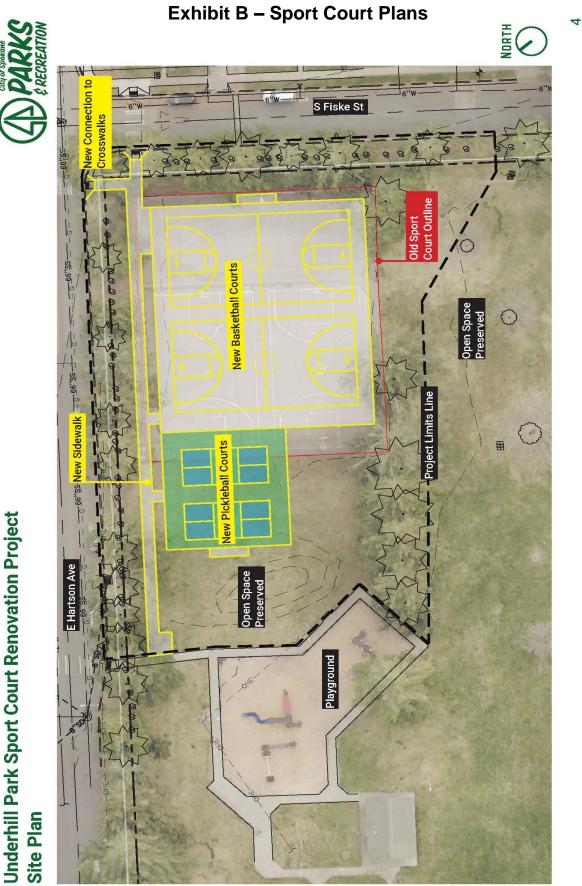
Dated:	CITY OF SPOKANE PARKS AND RECREATION DEPARTMENT		
	Ву:		
	Title:		
Attest:	Approved as to form:		
City Clerk	Assistant City Attorney		
Dated:	SPOKANE HOOPFEST ASSOCIATION		
	Ву:		
	Title:		
	Email Address:		

17-502

Exhibit A - Underhill Park



5/8/2024





< Business Lookup

License Information:		New search	Back to results
Entity name:	SPOKANE HOOPFEST ASSOCIATION		
Business name:	SPOKANE HOOPFEST ASSOCIATION		
Entity type:	Nonprofit Corporation		
UBI #:	601-258-646		
Business ID:	001		
Location ID:	0001		
Location:	Active		
Location address:	421 W RIVERSIDE AVE STE 115 SPOKANE WA 99201-0402		
Mailing address:	421 W RIVERSIDE AVE STE 115 SPOKANE WA 99201-0402 🕑		

Excise tax and reseller permit status:		Click here		
Secretary of State status:		Click here		
Endorsements				
Endorsements held at this lo License #	Count	Details	Status	Expiration da First issuance
Minor Work Permit			Active	Jun-30-2025 Nov-01-2019
Spokane Nonprofit T12011666B Business	BL		Active	Jun-30-2025 Oct-15-2012
Governing People May include gover	ning people not regi	stered with Secretary of St Title	tate	
Governing people BETTS, RICK		Inte		
Registered Trade Names				
Registered trade names	Status			First issued
EASTERN WASHINGTON ELITE	Active			Sep-23-2020
HOOPFEST	Active			Mar-01-1991
HOOPTOWN USA	Active	$\overline{\mathbf{v}}$		May-30-2019

	The Business Lookup ir 5/31/2024 2:10:16 PM	formation is updated nightly. Search date and time:
THE FITZ TOURNAMENT	Active	Sep-23-2020
THE FITZ CLINIC	Active	Sep-23-2020
SPOKANE HOOPFEST	Active	Mar-01-1991
SPOKANE AAU	Active	Sep-23-2020
IGNITE BASKETBALL ASSOCIATION	Active	Sep-23-2020
HOOPTOWN YOUTH LEAGUE (HYL)	Active	May-03-2023
Registered trade names	Status	First issued

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Return to Minutes

Spokane Park Board Briefing Paper



Committee	Land Committee	Committee meeting date: June 5, 2024			
Requester	Nick Hamad	Phone number: 509.363.5452			
Type of agenda item	OConsent ODiscussion	OInformation O Action			
Type of contract/agreement	New ORenewal/ext. O	Lease OAmendment/change order OOthe			
City Clerks file (OPR or policy #)					
Master Plan Goal,Objective,Strategy (Click HERE for link to the adopted plan)	Goal B, Objective 1	Master Plan Priority Tier: Tier 2 (pg. 171-175)			
Item title: (Use exact language noted on the agenda)		Bridge Dog Park engineering & landscape 50,150.00 non-taxable service)			
Begin/end dates	Begins: 05/09/2024	Ends: 12/01/2024 06/01/252			
the existing High Bridge dog park. managed by Spokane District 81 in	Contract with AHBL, Inc. to prepare construction documents & secure permits for the improvement of the existing High Bridge dog park. Construction of proposed improvements will be funded and managed by Spokane District 81 in accordance with the MOU. In July of 2023, the Park Board adopted a resolution selecting Upriver Park as the location for a new				
Motion wording: Motion to approve consultant agreement the amount of \$50,150.00 non-taxable se		eering & landscape architecture with AHBL, Inc.			
Approvals/signatures outside Parks:	• Yes No				
If so, who/what department, agency or co		-			
Name: Erick Fitzpatrick	Email address: efitzpatrick@,	AHBL.com Phone: 509.321.9389			
Distribution:	Megan I				
Parks – Accounting Parks – Sarah Deatrich	Jason C	onley			
Requester: Nick Hamad					
Grant Management Department/Name:					
Fiscal impact: • Expenditure Amount: \$50,150.00 (non-taxable service)	Revenue Budget code: 1950-54920-9	4000-56301			
Vendor: O Existing vendor Supporting documents: Quotes/solicitation (RFP, RFQ, RFB) ✓ Contractor is on the City's A&E Roster - C ✓ UBI: 600-130-359 Business license exp	City of Spokane 📃 ACH F	for new contractors/consultants/vendors forms (for new contractors/consultants/vendors ance Certificate (min. \$1 million in General Liability)			

City Clerk's OPR _____



CITY OF SPOKANE PARKS AND RECREATION

CONSULTANT AGREEMENT

Title: ENGINEERING AND LANDSCAPE ARCHITECTURE SERVICES FOR HIGH BRIDGE DOG PARK IMPROVEMENTS

This Consultant Agreement is made and entered into by and between the **CITY OF SPOKANE PARKS AND RECREATION** as ("City"), a Washington municipal corporation, and **AHBL, INC.**, whose address is 601 West Main Avenue, Suite 305, Spokane, Washington 99201 (2215 North 30th Street, Suite 300, Tacoma, Washington 98403)., as ("Consultant"), individually hereafter referenced as a "party", and together as the "parties".

WHEREAS, the purpose of this Agreement is for Consultant to provide Engineering and Landscape Architecture Services for High Bridge Dog Park Improvements and

WHEREAS, the Consultant was selected from MRSC Roster.

NOW, THEREFORE, in consideration of the terms, conditions, covenants and performance of the Scope of Work contained herein, the City and Consultant mutually agree as follows:

1. TERM OF AGREEMENT.

The term of this Agreement begins on May 9, 2024, and ends on December 1, 2024, unless amended by written agreement or terminated earlier under the provisions.

2. TIME OF BEGINNING AND COMPLETION.

The Consultant shall begin the work outlined in the "Scope of Work" ("Work") on the beginning date, above. The City will acknowledge in writing when the Work is complete. Time limits established under this Agreement shall not be extended because of delays for which the Consultant is responsible, but may be extended by the City, in writing, for the City's convenience or conditions beyond the Consultant's control.

3. SCOPE OF WORK.

The General Scope of Work for this Agreement is described in Consultant's Proposal dated April 24, 2024, which is attached as Exhibit B and made a part of this Agreement. In the event of a conflict or discrepancy in the contract documents, the City Agreement controls.

The Work is subject to City review and approval. The Consultant shall confer with the City periodically, and prepare and present information and materials (e.g. detailed outline of completed Work) requested by the City to determine the adequacy of the Work or Consultant's progress.

4. COMPENSATION.

Total compensation for Consultant's services under this Agreement shall not exceed **FIFTY THOUSAND ONE HUNDRED FIFTY AND NO/100 DOLLARS (\$50.150.00)**, plus applicable taxes. This is the maximum amount to be paid under this Agreement for the work described in Section 3 above, and shall not be exceeded without the prior written authorization of the City in the form of an executed amendment to this Agreement.

5. PAYMENT.

The Consultant shall submit its applications for payment to City of Spokane Parks and Recreation Department, 808 West Spokane Falls Boulevard, 5th Floor, Spokane, Washington 99201. **Payment will be made via direct deposit/ACH** within thirty (30) days after receipt of the Consultant's application except as provided by state law. If the City objects to all or any portion of the invoice, it shall notify the Consultant and pay that portion of the invoice not in dispute. In that event, the parties shall immediately make every effort to settle the disputed amount.

6. **REIMBURSABLES**

The reimbursables under this Agreement are to be included, and considered part of the maximum amount not to exceed (above), and require the Consultant's submittal of appropriate documentation and actual itemized receipts, the following limitations apply. Only reimbursable costs, if any, will be taxed.

- A. City will reimburse the Consultant at actual cost for expenditures that are preapproved by the City in writing and are necessary and directly applicable to the work required by this Contract provided that similar direct project costs related to the contracts of other clients are consistently accounted for in a like manner. Such direct project costs may not be charged as part of overhead expenses or include a markup. Other direct charges may include, but are not limited to the following types of items: travel, printing, cell phone, supplies, materials, computer charges, and fees of subconsultants.
- B. The billing for third party direct expenses specifically identifiable with this project shall be an itemized listing of the charges supported by copies of the original bills, invoices, expense accounts, subconsultant paid invoices, and other supporting documents used by the Consultant to generate invoice(s) to the City. The original supporting documents shall be available to the City for inspection upon request. All charges must be necessary for the services provided under this Contract.
- C. The City will reimburse the actual cost for travel expenses incurred as evidenced by copies of receipts (excluding meals) supporting such travel expenses, and in accordance with the City of Spokane Travel Policy, details of which can be provided upon request.
- D. **Airfare**: Airfare will be reimbursed at the actual cost of the airline ticket. The City will reimburse for Economy or Coach Fare only. Receipts detailing each airfare are required.
- E. **Meals:** Meals will be reimbursed at the Federal Per Diem daily meal rate for the city in which the work is performed. *Receipts <u>are not</u> required as documentation.* The invoice shall state "the meals are being billed at the Federal Per Diem daily meal rate", and shall detail how many of each meal is being billed (e.g. the number of breakfasts, lunches, and dinners). The City will not reimburse for alcohol at any time.
- F. **Lodging:** Lodging will be reimbursed at actual cost incurred up to a maximum of the published General Services Administration (GSA) Index for the city in which the work is performed (*the current maximum allowed reimbursement amount can be provided upon request*). Receipts detailing each day / night lodging are

required. The City will not reimburse for ancillary expenses charged to the room (e.g. movies, laundry, mini bar, refreshment center, fitness center, sundry items, etc.)

- G. **Vehicle mileage**: Vehicle mileage will be reimbursed at the Federal Internal Revenue Service Standard Business Mileage Rate in affect at the time the mileage expense is incurred. Please note: payment for mileage for long distances traveled will not be more than an equivalent trip round-trip airfare of a common carrier for a coach or economy class ticket.
- H. **Rental Car:** Rental car expenses will be reimbursed at the actual cost of the rental. Rental car receipts are required for all rental car expenses. The City will reimburse for a standard car of a mid-size class or less. The City will not reimburse for ancillary expenses charged to the car rental (e.g. GPS unit).
- I. **Miscellaneous Travel** (e.g. parking, rental car gas, taxi, shuttle, toll fees, ferry fees, etc.): Miscellaneous travel expenses will be reimbursed at the actual cost incurred. Receipts are required for each expense of \$10.00 or more.
- J. **Miscellaneous other business expenses** (e.g. printing, photo development, binding): Other miscellaneous business expenses will be reimbursed at the actual cost incurred and may not include a markup. Receipts are required for all miscellaneous expenses that are billed.
- K. **Subconsultant**: Subconsultant expenses will be reimbursed at the actual cost incurred and a four percent (4%) markup. Copies of all Subconsultant invoices that are rebilled to the City are required.

7. TAXES, FEES AND LICENSES.

- A. Consultant shall pay and maintain in current status, all necessary licenses, fees, assessments, permit charges, etc. necessary to conduct the work included under this Agreement. It is the Consultant's sole responsibility to monitor and determine changes or the enactment of any subsequent requirements for said fees, assessments, or changes and to immediately comply.
- B. Where required by state statute, ordinance or regulation, Consultant shall pay and maintain in current status all taxes necessary for performance. Consultant shall not charge the City for federal excise taxes. The City will furnish Consultant an exemption certificate where appropriate.
- C. The Director of Finance and Administrative Services may withhold payment pending satisfactory resolution of unpaid taxes and fees due the City.
- D. The cost of any permits, licenses, fees, etc. arising as a result of the projects included in this Agreement shall be included in the project budgets.

8. CITY OF SPOKANE BUSINESS LICENSE.

Section 8.01.070 of the Spokane Municipal Code states that no person may engage in business with the City without first having obtained a valid annual business registration. The Consultant shall be responsible for contacting the State of Washington Business License Services at http://bls.dor.wa.gov or 1-800-451-7985 to obtain a business registration. If the Consultant does not believe it is required to obtain a business registration, it may contact the City's Taxes and Licenses Division at (509) 625-6070 to request an exemption status determination.

9. SOCIAL EQUITY REQUIREMENTS.

No individual shall be excluded from participation in, denied the benefit of, subjected to discrimination under, or denied employment in the administration of or in connection with this Agreement because of age, sex, race, color, religion, creed, marital status, familial status, sexual orientation including gender expression or gender identity, national origin, honorably discharged

veteran or military status, the presence of any sensory, mental or physical disability, or use of a service animal by a person with disabilities. Consultant agrees to comply with, and to require that all subcontractors comply with, Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act, as applicable to the Consultant. Consultant shall seek inclusion of woman and minority business for subcontracting. A woman or minority business is one that self-identifies to be at least 51% owned by a woman and/or minority. Such firms do not have to be certified by the State of Washington.

10. INDEMNIFICATION.

The Consultant shall defend, indemnify, and hold the City and its officers and employees harmless from all claims, demands, or suits at law or equity asserted by third parties for bodily injury (including death) and/or property damage which arise from the Consultant's negligence or willful misconduct under this Agreement, including attorneys' fees and litigation costs; provided that nothing herein shall require a Consultant to indemnify the City against and hold harmless the City from claims, demands or suits based solely upon the negligence of the City, its agents, officers, and employees. If a claim or suit is caused by or results from the concurrent negligence of the Consultant's agents or employees and the City, its agents, officers and employees, this indemnity provision shall be valid and enforceable to the extent of the negligence of the Consultant, its agents or employees. The Consultant specifically assumes liability and agrees to defend, indemnify, and hold the City harmless for actions brought by the Consultant's own employees against the City and, solely for the purpose of this indemnification and defense, the Consultant specifically waives any immunity under the Washington State industrial insurance law, or Title 51 RCW. The Consultant recognizes that this waiver was specifically entered into pursuant to the provisions of RCW 4.24.115 and was the subject of mutual negotiation. The indemnity and agreement to defend and hold the City harmless provided for in this section shall survive any termination or expiration of this agreement.

11. INSURANCE.

During the period of the Agreement, the Consultant shall maintain in force at its own expense, each insurance noted below with companies or through sources approved by the State Insurance Commissioner pursuant to RCW Title 48;

- A. Worker's Compensation Insurance in compliance with RCW 51.12.020, which requires subject employers to provide workers' compensation coverage for all their subject workers and Employer's Liability Insurance in the amount of \$1,000,000;
- B. General Liability Insurance on an occurrence basis, with a combined single limit of not less than \$1,000,000 each occurrence for bodily injury and property damage. It shall include contractual liability coverage for the indemnity provided under this agreement. It shall provide that the City, its officers and employees are additional insureds but only with respect to the Consultant's services to be provided under this Agreement;
 - i. Acceptable **supplementary Umbrella insurance** coverage combined with Consultant's General Liability insurance policy must be a minimum of \$1,000,000, in order to meet the insurance coverage limits required in this Agreement; and
- C. Automobile Liability Insurance with a combined single limit, or the equivalent of not less than \$1,000,000 each accident for bodily injury and property damage, including coverage for owned, hired and non-owned vehicles.

D. Professional Liability Insurance with a combined single limit of not less than \$1,000,000 each claim, incident or occurrence. This is to cover damages caused by the error, omission, or negligent acts related to the professional services to be provided under this Agreement. The coverage must remain in effect for at least two (2) years after the Agreement is completed.

There shall be no cancellation, material change, reduction of limits or intent not to renew the insurance coverage(s) without sixty (60) days written notice from the Consultant or its insurer(s) to the City. As evidence of the insurance coverage(s) required by this Agreement, the Consultant shall furnish acceptable Certificates Of Insurance (COI) to the City at the time it returns this signed Agreement. The certificate shall specify the City of Spokane as "Additional Insured" specifically for Consultant's services under this Agreement, as well as all of the parties who are additional insureds, and include applicable policy endorsements, the sixty (60) day cancellation clause, and the deduction or retention level. The Consultant shall be financially responsible for all pertinent deductibles, self-insured retentions, and/or self-insurance.

12. DEBARMENT AND SUSPENSION.

The Consultant has provided its certification that it is in compliance with and shall not contract with individuals or organizations which are debarred, suspended, or otherwise excluded from or ineligible from participation in Federal Assistance Programs under Executive Order 12549 and "Debarment and Suspension", codified at 29 CFR part 98.

13. AUDIT.

Upon request, the Consultant shall permit the City and any other governmental agency ("Agency") involved in the funding of the Work to inspect and audit all pertinent books and records. This includes work of the Consultant, any subconsultant, or any other person or entity that performed connected or related Work. Such books and records shall be made available upon reasonable notice of a request by the City, including up to three (3) years after final payment or release of withheld amounts. Such inspection and audit shall occur in Spokane County, Washington, or other reasonable locations mutually agreed to by the parties. The Consultant shall permit the City to copy such books and records at its own expense. The Consultant shall ensure that inspection, audit and copying rights of the City is a condition of any subcontract, agreement or other arrangement under which any other persons or entity may perform Work under this Agreement.

14. INDEPENDENT CONSULTANT.

- A. The Consultant is an independent Consultant. This Agreement does not intend the Consultant to act as a City employee. The City has neither direct nor immediate control over the Consultant nor the right to control the manner or means by which the Consultant works. Neither the Consultant nor any Consultant employee shall be an employee of the City. This Agreement prohibits the Consultant to act as an agent or legal representative of the City. The Consultant is not granted express or implied rights or authority to assume or create any obligation or responsibility for or in the name of the City, or to bind the City. The City is not liable for or obligated to pay sick leave, vacation pay, or any other benefit of employment, nor to pay social security or other tax that may arise from employment. The Consultant shall pay all income and other taxes as due. The Consultant may perform work for other parties; the City is not the exclusive user of the services that the Consultant provides.
- B. If the City needs the Consultant to Work on City premises and/or with City equipment, the City may provide the necessary premises and equipment. Such

premises and equipment are exclusively for the Work and not to be used for any other purpose.

C. If the Consultant works on the City premises using City equipment, the Consultant remains an independent Consultant and not a City employee. The Consultant will notify the City Project Manager if s/he or any other Workers are within ninety (90) days of a consecutive 36-month placement on City property. If the City determines using City premises or equipment is unnecessary to complete the Work, the Consultant will be required to work from its own office space or in the field. The City may negotiate a reduction in Consultant fees or charge a rental fee based on the actual costs to the City, for City premises or equipment.

15. KEY PERSONS.

The Consultant shall not transfer or reassign any individual designated in this Agreement as essential to the Work, nor shall those key persons, or employees of Consultant identified as to be involved in the Project Work be replaced, removed or withdrawn from the Work without the express written consent of the City, which shall not be unreasonably withheld. If any such individual leaves the Consultant's employment, the Consultant shall present to the City one or more individuals with greater or equal qualifications as a replacement, subject to the City's approval, which shall not be unreasonably withheld. The City's approval does not release the Consultant from its obligations under this Agreement.

16. ASSIGNMENT AND SUBCONTRACTING.

The Consultant shall not assign or subcontract its obligations under this Agreement without the City's written consent, which may be granted or withheld in the City's sole discretion. Any subcontract made by the Consultant shall incorporate by reference this Agreement, except as otherwise provided. The Consultant shall require that all subconsultants comply with the obligations and requirements of the subcontract. The City's consent to any assignment or subcontract does not release the consultant from liability or any obligation within this Agreement, whether before or after City consent, assignment or subcontract.

17. CITY ETHICS CODE.

- A. Consultant shall promptly notify the City in writing of any person expected to be a Consultant Worker (including any Consultant employee, subconsultant, principal, or owner) and was a former City officer or employee within the past twelve (12) months.
- B. Consultant shall ensure compliance with the City Ethics Code by any Consultant Worker when the Work or matter related to the Work is performed by a Consultant Worker who has been a City officer or employee within the past two (2) years.
- C. Consultant shall not directly or indirectly offer anything of value (such as retainers, loans, entertainment, favors, gifts, tickets, trips, favors, bonuses, donations, special discounts, work or meals) to any City employee, volunteer or official that is intended, or may appear to a reasonable person to be intended, to obtain or give special consideration to the Consultant. Promotional items worth less than \$25 may be distributed by the Consultant to a City employee if the Consultant uses the items as routine and standard promotional materials. Any violation of this provision may cause termination of this Agreement. Nothing in this Agreement prohibits donations to campaigns for election to City office, so long as the donation is disclosed as required by the election campaign disclosure laws of the City and of the State.

18. NO CONFLICT OF INTEREST.

Consultant confirms that the Consultant or workers have no business interest or a close family relationship with any City officer or employee who was or will be involved in the consultant selection, negotiation, drafting, signing, administration or evaluation of the Consultant's work. As used in this Section, the term Consultant includes any worker of the Consultant who was, is, or will be, involved in negotiation, drafting, signing, administration or performance of the Agreement. The term "close family relationship" refers to: spouse or domestic partner, any dependent parent, parent-in-law, child, son-in-law, daughter-in-law; or any parent, parent in-law, sibling, uncle, aunt, cousin, niece or nephew residing in the household of a City officer or employee described above.

19. ERRORS AND OMISSIONS, CORRECTIONS.

Consultant is responsible for professional quality, technical accuracy, and the coordination of all designs, drawings, specifications, and other services furnished by or on the behalf of the Consultant under this Agreement in the delivery of a final work product. The standard of care applicable to Consultant's services will be the degree of skill and diligence normally employed by professional engineers or Consultants performing the same or similar services at the time said services are performed. The Final Work Product is defined as a stamped, signed work product. Consultant, without additional compensation, shall correct or revise errors or mistakes in designs, drawings, specifications, and/or other consultant services immediately upon notification by the City. The obligation provided for in this Section regarding acts or omissions resulting from this Agreement survives Agreement termination or expiration.

20. INTELLECTUAL PROPERTY RIGHTS.

- A. Copyrights. The Consultant shall retain the copyright (including the right of reuse) to all materials and documents prepared by the Consultant for the Work, whether or not the Work is completed. The Consultant grants to the City a non-exclusive, irrevocable, unlimited, royalty-free license to use copy and distribute every document and all the materials prepared by the Consultant for the City under this Agreement. If requested by the City, a copy of all drawings, prints, plans, field notes, reports, documents, files, input materials, output materials, the media upon which they are located (including cards, tapes, discs, and other storage facilities), software program or packages (including source code or codes, object codes, upgrades, revisions, modifications, and any related materials) and/or any other related documents or materials developed solely for and paid for by the City to perform the Work, shall be promptly delivered to the City.
- B. Patents: The Consultant assigns to the City all rights in any invention, improvement, or discovery, with all related information, including but not limited to designs, specifications, data, patent rights and findings developed with the performance of the Agreement or any subcontract. Notwithstanding the above, the Consultant does not convey to the City, nor does the City obtain, any right to any document or material utilized by the Consultant created or produced separate from the Agreement or was pre-existing material (not already owned by the City), provided that the Consultant has identified in writing such material as pre-existing prior to commencement of the Work. If pre-existing materials are incorporated in the work, the Consultant grants the City an irrevocable, non-exclusive right and/or license to use, execute, reproduce, display and transfer the pre-existing material, but only as an inseparable part of the work.
- C. The City may make and retain copies of such documents for its information and reference with their use on the project. The Consultant does not represent or warrant that such documents are suitable for reuse by the City or others, on

extensions of the project or on any other project, and the City releases the Consultant from liability for any unauthorized reuse of such documents.

21. CONFIDENTIALITY.

Notwithstanding anything to the contrary, City will maintain the confidentiality of Consultant's materials and information only to the extent that is legally allowed in the State of Washington. City is bound by the State Public Records Act, RCW Ch. 42.56. That law presumptively makes all records in the possession of the City public records which are freely available upon request by anyone. In the event that City gets a valid public records request for Consultant's materials or information and the City determines there are exemptions only the Consultant can assert, City will endeavor to give Consultant notice. Consultant will be required to go to Court to get an injunction preventing the release of the requested records. In the event that Consultant does not get a timely injunction preventing the release of the records, the City will comply with the Public Records Act and release the records.

22. DISPUTES.

Any dispute or misunderstanding that may arise under this Agreement, concerning the Consultant's performance, shall first be through negotiations, if possible, between the Consultant's Project Manager and the City's Project Manager. It shall be referred to the Director and the Consultant's senior executive(s). If such officials do not agree upon a decision within a reasonable period of time, either party may decline or discontinue such discussions and may then pursue the legal means to resolve such disputes, including but not limited to mediation, arbitration and/or alternative dispute resolution processes. Nothing in this dispute process shall mitigate the rights of the City to terminate the Agreement. Notwithstanding all of the above, if the City believes in good faith that some portion of the Work has not been completed satisfactorily, the City may require the Consultant to correct such work prior to the City payment. The City will provide to the Consultant an explanation of the concern and the remedy that the City expects. The City may withhold from any payment otherwise due, an amount that the City in good faith finds to be under dispute, or if the Consultant provides no sufficient remedy, the City may retain the amount equal to the cost to the City for otherwise correcting or remedying the work not properly completed. Waiver of any of these rights is not deemed a future waiver of any such right or remedy available at law, contract or equity.

23. TERMINATION.

- A. For Cause: The City or Consultant may terminate the Agreement if the other party is in material breach of this Agreement, and such breach has not been corrected to the other party's reasonable satisfaction in a timely manner. Notice of termination under this Section shall be given by the party terminating this Agreement to the other, not fewer than thirty (30) business days prior to the effective date of termination.
- B. For Reasons Beyond Control of Parties: Either party may terminate this Agreement without recourse by the other where performance is rendered impossible or impracticable for reasons beyond such party's reasonable control, such as, but not limited to, an act of nature, war or warlike operation, civil commotion, riot, labor dispute including strike, walkout or lockout, except labor disputes involving the Consultant's own employees, sabotage, or superior governmental regulation or control. Notice of termination under this Section shall be given by the party terminating this Agreement to the other, not fewer than thirty (30) business days prior to the effective date of termination.
- C. For Convenience: Either party may terminate this Agreement without cause, upon thirty (30) days written notice to the other party.

- D. Actions upon Termination: if termination occurs not the fault of the Consultant, the Consultant shall be paid for the services properly performed prior to the actual termination date, with any reimbursable expenses then due, but such compensation shall not exceed the maximum compensation to be paid under the Agreement. The Consultant agrees this payment shall fully and adequately compensate the Consultant and all subconsultants for all profits, costs, expenses, losses, liabilities, damages, taxes and charges of any kind (whether foreseen or unforeseen) attributable to the termination of this Agreement.
- E. Upon termination, the Consultant shall provide the City with the most current design documents, contract documents, writings and other products the Consultant has produced to termination, along with copies of all project-related correspondence and similar items. The City shall have the same rights to use these materials as if termination had not occurred; provided however, that the City shall indemnify and hold the Consultant harmless from any claims, losses, or damages to the extent caused by modifications made by the City to the Consultant's work product.

24. EXPANSION FOR NEW WORK.

This Agreement scope may be expanded for new work. Any expansion for New Work (work not specified within the original Scope of Work Section of this Agreement, and/or not specified in the original RFP as intended work for the Agreement) must comply with all the following limitations and requirements: (a) the New Work is not reasonable to solicit separately; (b) the New Work is for reasonable purpose; (c) the New Work was not reasonably known either the City or Consultant at time of contract or else was mentioned as a possibility in the solicitation (such as future phases of work, or a change in law); (d) the New Work is not significant enough to be reasonably regarded as an independent body of work; (e) the New Work would not have attracted a different field of competition; and (f) the change does not vary the essential identified or main purposes of the Agreement. The City may make exceptions for immaterial changes, emergency or sole source conditions, or other situations required in City opinion. Certain changes are not New Work subject to these limitations, such as additional phases of Work anticipated at the time of solicitation, time extensions, Work Orders issued on an On-Call contract, and similar. New Work must be mutually agreed and issued by the City through written Addenda. New Work performed before an authorizing Amendment may not be eligible for payment.

25. MISCELLANEOUS PROVISIONS.

- A. Amendments: No modification of this Agreement shall be effective unless in writing and signed by an authorized representative of each of the parties hereto.
- B. Binding Agreement: This Agreement shall not be binding until signed by both parties. The provisions, covenants and conditions in this Agreement shall bind the parties, their legal heirs, representatives, successors and assigns.
- C. Americans with Disabilities Act (ADA): Specific attention by the designer is required in association with the Americans with Disabilities Act (ADA) 42 U.S.C. 12101-12213 and 47 U.S.C. 225 and 611, its requirements, regulations, standards and guidelines, which were updated in 2010 and are effective and mandatory for all State and local government facilities and places of public accommodation for construction projects including alteration of existing facilities, as of March 15, 2012. The City advises that the requirements for accessibility under the ADA, may contain provisions that differ substantively from accessibility provisions in applicable State and City codes, and if the provisions of the ADA impose a greater or equal protection for the rights of individuals with disabilities or individuals associated with them than the adopted local codes, the ADA prevail unless

approval for an exception is obtained by a formal documented process. Where local codes provide exceptions from accessibility requirements that differ from the ADA Standards; such exceptions may not be permitted for publicly owned facilities subject to Title II requirements unless the same exception exists in the Title II regulations. It is the responsibility of the designer to determine the code provisions.

- D. The Consultant, at no expense to the City, shall comply with all laws of the United States and Washington, the Charter and ordinances of the City of Spokane; and rules, regulations, orders and directives of their administrative agencies and officers. Without limiting the generality of this paragraph, the Consultant shall comply with the requirements of this Section.
- E. This Agreement shall be construed and interpreted under the laws of Washington. The venue of any action brought shall be in the Superior Court of Spokane County.
- F. Remedies Cumulative: Rights under this Agreement are cumulative and nonexclusive of any other remedy of law or in equity.
- G. Captions: The titles of sections or subsections are for convenience only and do not define or limit the contents.
- H. Severability: If any term or provision is determined by a court of competent jurisdiction to be invalid or unenforceable, the remainder of this Agreement shall not be affected, and each term and provision shall be valid and enforceable to the fullest extent permitted by law.
- I. Waiver: No covenant, term or condition or the breach shall be deemed waived, except by written consent of the party against whom the waiver is claimed, and any waiver of the breach of any covenant, term or condition shall not be deemed a waiver of any preceding or succeeding breach of the same or any other covenant, term of condition. Neither the acceptance by the City of any performance by the Consultant after the time the same shall have become due nor payment to the Consultant for any portion of the Work shall constitute a waiver by the City of the breach or default of any covenant, term or condition unless otherwise expressly agreed to by the City in writing.
- J. Additional Provisions: This Agreement may be modified by additional terms and conditions ("Special Conditions") which shall be attached to this Agreement as an Exhibit. The parties agree that the Special Conditions shall supplement the terms and conditions of the Agreement, and in the event of ambiguity or conflict with the terms and conditions of the Agreement, these Special Conditions shall govern.
- K. Entire Agreement: This document along with any exhibits and all attachments, and subsequently issued addenda, comprises the entire agreement between the City and the Consultant. If conflict occurs between contract documents and applicable laws, codes, ordinances or regulations, the most stringent or legally binding requirement shall govern and be considered a part of this contract to afford the City the maximum benefits.
- L. Negotiated Agreement: The parties acknowledge this is a negotiated agreement, that they have had this Agreement reviewed by their respective legal counsel, and that the terms and conditions of this Agreement are not to be construed against any party on the basis of such party's draftsmanship.
- M. No personal liability: No officer, agent or authorized employee of the City shall be personally responsible for any liability arising under this Agreement, whether expressed or implied, nor for any statement or representation made or in any connection with this Agreement.

IN WITNESS WHEREOF, in consideration of the terms, conditions and covenants contained, or attached and incorporated and made a part, the parties have executed this Agreement by having legally-binding representatives affix their signatures below.

AHBL, INC.

CITY OF SPOKANE PARKS AND RECREATION

By Signature	Date	By Signature Date	
Type or Print Nar	me	Type or Print Name	
Title		Title	
Attest:		Approved as to form:	
City Clerk		Assistant City Attorney	
Attachments to	this Agreement:		

Exhibit A – Certificate Regarding Debarment Exhibit B - Consultant's Proposal dated April 24, 2024

24-100

EXHIBIT A

CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION

- 1. The undersigned (i.e., signatory for the Subrecipient / Contractor / Consultant) certifies, to the best of its knowledge and belief, that it and its principals:
 - a. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any federal department or agency;
 - b. Have not within a three-year period preceding this contract been convicted or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (federal, state, or local) transaction or contract under a public transaction; violation of federal or state antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, tax evasion, receiving stolen property, making false claims, or obstruction of justice;
 - c. Are not presently indicted or otherwise criminally or civilly charged by a government entity (federal, state, or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and,
 - d. Have not within a three-year period preceding this contract had one or more public transactions (federal, state, or local) terminated for cause or default.
- 2. The undersigned agrees by signing this contract that it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction.
- 3. The undersigned further agrees by signing this contract that it will include the following clause, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions:

Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – Lower Tier Covered Transactions

- 1. The lower tier contractor certified, by signing this contract that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal department or agency.
- 2. Where the lower tier contractor is unable to certify to any of the statements in this contract, such contractor shall attach an explanation to this contract.
- 4. I understand that a false statement of this certification may be grounds for termination of the contract.

Name of Subrecipient / Contractor / Consultant (Type or Print)	Program Title (Type or Print)
Name of Certifying Official (Type or Print)	Signature
Title of Certifying Official (Type or Print)	Date (Type or Print)

EXHIBIT B



Civil Engineers

Structural Engineers

Landscape Architects

Community Planners

Land Surveyors

Neighbors

April 24, 2024

Nick Hamad, PLA City of Spokane Parks and Recreation 808 West Spokane Falls Boulevard Spokane, WA 99201

Project:High Bridge Dog Park Improvements, AHBL No. 2230645.10/.40Subject:Proposal for Phase 2 Civil Engineering and Landscape Architecture Services

Dear Nick:

Thank you for the opportunity to provide design services for Phase 2 of the High Bridge Dog Park Improvements project. This project is intended to provide improvements to the existing dog park in High Bridge Park located west of downtown Spokane. The existing park is approximately 8.65 acres (8.0 acres for large dogs, 0.65 acre for small dogs) and has two picnic shelters, drinking water, fencing, and an unimproved parking lot. The dog park is accessed off South A Street to the east, with a small parking lot and gate located on the west side off Government Way. City of Spokane Parks and Recreation (CSPR) seeks to improve pedestrian and vehicular access to the park, increase the number and quality of amenities, and expand the area of the dog park. Garco Construction, under contract with Spokane Public Schools, will construct the improvements to the park.

Our understanding of the project is based on our conversations and email correspondence with you, and the Schematic Landscape Plan prepared by AHBL dated April 10, 2024.

Our assumptions for the project are as follows:

- Permitting and design will not be phased or broken into multiple permit and/or bid packages. We can revise the proposal, as requested, to address any required phasing or bidding of the project.
- Twenty parking stalls are proposed: therefore, SEPA will not be required.
- We assume street frontage improvements will not be required, and therefore are not included.
- Our Construction Documents scope and fee allow for up to two bid alternate items in the construction plans. Additional bid alternates can be included as supplemental services.
- Wetland and shoreline permitting, as well as mitigation, will not be required.
- Irrigation plans will not be required by the permitting agency.
- Geotechnical report will be provided by the City.

SPOKANE

601 West Main Avenue Suite 305 Spokane, WA 99201-0613 509.252.5019 TEL Nick Hamad, PLA April 24, 2024 2230645.10/.40 Page 2 of 9



- Divisions 00 and 01 specifications will be provided by the City.
- City Purchasing will post and advertise bid plans and administer the bidding process.
- The City shall provide daily construction management services for this project and shall host weekly construction meetings for the duration of the project. It is not intended that AHBL or their subconsultants perform daily management work nor attend/host the weekly construction meetings.
- In providing opinions of cost, AHBL has no control over cost or price of labor and materials, unknown or latent conditions of existing equipment or structures that may affect operation or maintenance costs, competitive bidding procedures and market conditions, time or quality of performance by operating personnel or third parties, and other economic and operational factors that may materially affect the ultimate project cost or schedule. Therefore, AHBL makes no warranty that the City's actual project costs will not vary from AHBL's opinions, analyses, projections, or estimates.
- Permit fees will be paid for by the City.

Civil Engineering - 2230645.10

Civil Design Development (DD) - Task 12

- 1. Meet bi-weekly with City staff to review, discuss, and develop the design, including review of issues and action items. We have assumed three months of meetings starting after the pre-development meeting.
- 2. Prepare base sheets for design drawings using the topographic survey and the architectural site plan.
- 3. Perform site visit and research available public information regarding development of the site, including topography, existing utilities, basin plans, and critical areas. This work will be performed to identify any site development constraints and validate the previously completed Schematic Design (SD) work.
- 4. Prepare a site clearing and demolition plan.
- 5. Prepare plans and supporting details for a Temporary Erosion and Sedimentation Control (TESC) plan. We will prepare a Construction Stormwater Pollution Prevention Plan (CSWPPP) and erosivity waiver certification, as required by the City and the Department of Ecology (Ecology).
- 6. Prepare site grading plan. Provide finish grade elevations for the site improvements and coordinate design elevations with the architect and landscape architect. Site wall tops and bottoms will be specified, as needed, but this scope does not include the structural design of retaining walls, which should be designed by a structural engineer. This scope of work will include earthwork calculations for permitting purposes only.





- 7. Prepare plans and calculations for a storm drainage plan, as required by the Ecology *Stormwater Management Manual for Eastern Washington (SWMMEW)*, as adopted by City of Spokane. This design will address onsite stormwater runoff collection, flow control, and water quality treatment.
- 8. Prepare a horizontal control plan for the site improvements. This work includes appropriate dimensioning to locate site features, hardscape, and civil utilities, and to locate the proposed building based on building gridline intersections provided by the architect.
- 9. Prepare an onsite surfacing, striping, and signage plan with supporting details for asphalt paving, concrete curbs and walks, driveways, ADA ramps, pavement markings, and vehicle-related signage.
- 10. Prepare plans for an onsite domestic water service to serve the site from the existing service or nearby mains in the public right-of-way. Offsite water main improvements are not expected at this time, and therefore are not included in this scope.
- 11. Prepare schematic level site plan layout of proposed gas, electrical, communications, and other dry utility services for coordination purposes. Dry utility design shall be completed by and be the responsibility of the utility purveyors. Dry utility purveyors to provide final design layouts in CAD for AHBL's inclusion in water, sewer, and/or storm plans for information/coordination purposes only.
- 12. Coordinate with the owner during design and attend design meetings. This scope assumes 10 hours.
- 13. Prepare three-part CSI format technical specifications for civil site work. These specifications will be provided for inclusion into the Project Manual prepared by the architect.
- 14. Submit progress sets to the architect at project milestones for coordination and owner review. The following products will be prepared at the end of the DD phase.
 - Cover Sheet
 - Site and Utility Demolition Plan
 - Site Paving Plan and Pavement Markings Plan
 - TESC Notes and Details
 - Drainage and Grading Plan
 - Water Plan
- 15. This proposal includes plan revisions to address comments from agency reviews. If the agency requests changes that contradict their design standards or information they provided at a pre-design conference, this may result in a change of scope.
- 16. Prepare cost estimates for civil related items. Cost estimates will be included at the DD and Construction Document (CD) intervals.



Nick Hamad, PLA April 24, 2024 2230645.10/.40 Page 4 of 9



Civil Construction Documents (CD) - Task 13

- 17. Submit progress sets to architect at project milestones for coordination and owner review. The following products will be prepared at the end of the DD and CD phases, unless indicated otherwise:
 - Cover Sheet
 - Site and Utility Demolition Plan
 - Site Paving Plan and Pavement Markings Plan
 - TESC Notes and Details
 - Drainage and Grading Plan
 - Water Plan
 - Drainage Report and Construction Stormwater Pollution Prevention Plan (CSWPPP)

Parking Expansion Concept Grading - Task 14

18. Prepare schematic level site grading plan layout for the future parking expansion to provide adequate grading and stormwater facilities. This scope of work will include earthwork calculations to verify the expansion area is balanced.

Permitting – Task 15

Permitting is influenced by factors outside of our control; therefore, we have estimated the time that will be required. Additional time beyond two rounds of comment review will be billed on a time and expense basis. We will review any agency comments with you prior to making changes.

- 19. Coordinate with the Building and Planning Department to define the development requirements. This task includes discussions with you to review agency comments.
- 20. Revise the plans as necessary to address City comments related to preliminary entitlement and final design. For budget purposes, we have assumed two rounds of comment review and response cycles.

This scope of work will be billed on a time and expense basis, with an estimate provided below.

Construction Phase Services - Task 16

- 21. Respond to civil related Requests for Information (RFIs) and review civil related material submittals.
- 22. Complete site visits during construction to ensure the intent of the design is being met. We have estimated 16 hours for this task.
- 23. Complete one site visit post construction for the final punchlist. We have estimated 3 hours for this task.

This scope of work will be billed on a time and expense basis, with an estimate provided below.



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Landscape Architecture – 2230645.40

Landscape Construction Documents (CD) - Task 42

- 1. Prepare for and facilitate weekly owner coordination meetings with CSPR staff for project development and coordination. Because of the need to expedite the permit set submittal, we have assumed six weeks of meetings.
- 2. Upon approval of Schematic Plan, prepare 90% level site, hardscape, site furnishings, planting, and irrigation CDs with associated details. Plans will be prepared on CSPR title blocks following a format similar to Beacon Hill Trailheads. The following landscape plans with associated details are anticipated at the CD Phase:
 - Cover Sheet
 - Landscape Notes and Symbols
 - Landscape Layout Plan(s) and Site Details
 - Site Furnishing Details
 - Planting Plan(s) and Details
 - Irrigation Plan(s) and Details
- 3. Prepare an opinion of probable construction cost.
- 4. Prepare three-part CSI specifications for landscape, irrigation, and miscellaneous site furnishings related work.
- 5. Assemble the City's Divisions 00 and 01 sections with the design team's Divisions 02 through 33 sections into the Project Manual.

Permitting – Task 43

Permitting is influenced by factors outside of our control; therefore, we have estimated the time that will be required. Additional time beyond two rounds of comment review will be billed on a time and expense basis. We will review any agency comments with you prior to making changes.

- 6. Coordinate with the Building and Planning Department to define the development requirements. This task includes discussions with you to review agency comments.
- 7. Revise the plans as necessary to address City comments related to preliminary entitlement and final design. For budget purposes we have assumed two rounds of comment review and response cycles.

This scope of work will be billed on a time and expense basis, with an estimate provided below.

Construction Phase Services - Task 44

- 8. Respond to contractor-initiated questions during construction as they relate to landscape design. We have estimated 12 hours for this task.
- 9. Review landscape related product submittals and shop drawings, and report findings to the owner and architect. We have estimated 6 hours for this task.





- 10. This task allows for a total of four site visits:
 - a. Two site inspections (including site observations with report) during construction to ensure the intent of the design is being met, including hardscape layout and fencing layout. We have estimated 6 hours for this task.
 - b. Two site visits post construction (one punchlist visit and one follow-up/back-punch visit). We have estimated 8 hours for this task.
- 11. Prepare final letter of substantial project conformance/completion.

This scope of work will be billed on a time and expense basis, with an estimate provided below.

Reimbursable Expenses – Task 90

Reimbursable expenses such as mileage and reprographics. This scope of work will be billed on a time and expense basis, with an estimate provided below.

Optional Services

Civil Engineering - 2230645.10

Design Review Board Assistance

- 1. Review applicable City policies for project entitlements related to the Design Review process.
- 2. Assist Landscape in preparation of application form, project summary, context analysis, site analysis, and concept plans for a standard application or administrative application process.
- 3. Attend two meetings of the Design Review Board.
- 4. Review Design Review Board recommendations and provide analysis of the impacts to site design.

Landscape Architecture - 2230645.40

Design Review Board Assistance

- 1. Review applicable City policies for project entitlements related to the Design Review process.
- 2. Prepare application form, project summary, context analysis, site analysis, and concept plans for a standard application or administrative application process.
- 3. If needed for a standard process, prepare updated application exhibits and a site plan, conceptual planting and grading plans, and 3D view for the recommendation meeting.





- 4. Prepare PowerPoint slides or PDF graphics for the workshop and recommendation meetings and attend meetings to assist City staff with the process.
- 5. Review Design Review Board recommendations and provide analysis of the impacts to site and landscape design.

Lighting Coordination

6. Coordinate with the owner and design team for an Avista Utilities provided utility-owned street and parking lot lighting. We have estimated 6 hours for this task. If City-owned service and light fixtures are required, we can prepare a supplemental services agreement to change the scope. This scope of work will be billed on a time and expense basis, with an estimate provided below.

Billing Summary

<u>ltem</u>	Item Description		<u>Amount</u>				
Civil Engineering - 2230645.10							
Items 1-16 Item 17 Item 18 Items 19-20 Items 21-23 Subtotal	Civil Design Development Civil Construction Documents Parking Expansion Concept Grading Permitting (T&E est.) Construction Phase Services (T&E est.)	T-12 T-13 T-14 T-15 T-16	\$7,000 11,000 2,500 3,500 <u>3,500</u> \$27,500				
Landscape Arch	itecture - 2230645.40						
Items 1-5 Items 6-7 Items 8-11 Subtotal	Landscape Construction Documents Permitting (T&E est.) Construction Phase Services (T&E est.)	T-42 T-43 T-44	\$16,000 2,500 <u>3,500</u> \$22,000				
Reimbursable E	xpenses (T&E est.)	T-90	\$650				
GRAND TOTAL			\$50,150				
Optional Services							
Civil Engineering - 2230645.10							
Items 1-4	Design Review Board Assistance		\$1,500				
Landscape Architecture - 2230645.40							
Items 1-5 Item 6	Design Review Board Assistance Lighting Coordination (T&E est.)		\$3,000 \$1,000				



Nick Hamad, PLA April 24, 2024 2230645.10/.40 Page 8 of 9



You may not want us to provide some of the services listed. We can discuss these services and the number of hours with you and make adjustments, as necessary.

Some of the tasks listed are influenced by factors outside of our control. Based on our experience, we have estimated the number of hours required to complete these tasks. During the course of the project, if it is determined that more hours are required to complete any of these tasks due to circumstances outside of our control, we will notify you immediately. We will not perform additional work until we have your written authorization. The task numbers on the invoice will correlate with this proposal.

Exclusions

This proposal does not include fees associated with agency reviews, submittals, or permits, nor does it include any work associated with the following services:

- a) Professional services of subconsultants, e.g., geotechnical and traffic engineers, or wetlands, wildlife, and other specialists, if required by the review agency.
- b) Preparation, submittal, or securing of permits including, but not limited to:
 - 1) Forest Practices Applications or permits from the Department of Natural Resources for logging operations.
 - National Pollutant Discharge Elimination Systems Baseline General Permits or the associated Notice of Intent from the Department of Ecology for stormwater discharge to surface waters.
 - 3) Hydraulic Permit Applications from the Washington State Department of Fish and Wildlife for work in stream buffers or floodplain areas.
- c) Preparation, submittal, or securing of extensions or renewals for expiring or expired applications or permits. Monitoring of applications or permit expiration dates is the responsibility of others.
- d) Expanded environmental checklist or environmental impact statement.
- e) Costs associated with the excavation of soils logs for the evaluation of onsite soils.
- f) Offsite improvements.
- g) Costs associated with reconsiderations of agency decisions.
- h) Costs associated with preparing and filing variances, etc.
- i) Costs associated with the publication of legal notices in the newspaper.
- j) Costs associated with the preparation and installation of public notice signs.
- k) Costs associated with title reports or other legal documents.
- I) Costs associated with substantial redesign after preparation of design development drawings.
- m) Preparation of maintenance manuals, reports, or certification testing of installed improvements.
- n) Additional inspections that are a result of contractor non-compliance to the plans or specifications.





- Design of any site features, such as retaining walls, landscape seat walls, landscape trellis structures, artwork foundations, stormwater detention vaults, etc. If you would like any structural engineering services associated with the design of site features, we would be happy to provide these services for an additional fee.
- p) Mechanical or electrical services.
- q) Development of an opinion of probable construction costs.
- r) Preparation of documents using metric units of measure.
- s) Except as noted in the scope of work, preparation of record drawings at the end of construction, together with a Letter of Completion, if required by the lead agency.
- t) Dividing the design work into more than one phase of work.
- u) Design of septic system.

Although we do assist the owner during the construction process, this proposal is for design services only and in no way implies we are construction managers.

If you find this proposal acceptable, please prepare your standard contract. Our receipt of the signed contract or your written authorization will be our notification to proceed.

If you have any questions, please call me at (509) 252-5019.

Sincerely,

Craig D. Andersen, PLA, LEED AP Director of Landscape Architecture

CDA/SB/lsk

c: Skylar Brower, Erick Fitzpatrick - AHBL Accounting

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< Business Lookup

License Information: New search Back to resu						
Entity name:	AHBL, INC.					
Business name:	AHBL, INC.					
Entity type:	Profit Corporation					
UBI #:	600-130-359					
Business ID:	001					
Location ID:	0002					
Location:	Active					
Location address:	601 W MAIN AVE STE 305 SPOKANE WA 99201-0613					
Mailing address:	2215 N 30TH ST STE 300 TACOMA WA 98403-3350					

Excise tax and reseller permit status:	Click here		
Secretary of State status:	Click here		
Endorsements			
Endorsements held at this lo License # Count	Details	Status	Expiration da First issuance
Spokane General Business T12057914BL		Active	Apr-30-2025 Oct-15-2012
Governing People May include governing people not register	red with Secretary of State		Filter
Governing people	Title		
BECKER, JOHN			
BRYNESTAD, BARTON			
CARLSON, WAYNE			
FIERST, WILLIAM			
FITZPATRICK, ERICK			
FOLLANSBEE, DAVID			
HANSEN, TIM	\sim		

Governing people	Title	
LELAND, KENNETH		
MCEACHERN, ANDREW		
NASON, DAVID		
SAWIN, TODD		
TAPP, DOUGLAS		
WEBER, JOHN		
Registered Trade Nam	ies	
Registered trade names	Status	First issued
AHBL. INC	Active	May-10-1990
	View Additiona	Il Locations
	The Business Lookup information is upd 5/20/2024 1:16:22 PM	ated nightly. Search date and time:

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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 3/28/2024

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.									
IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).									
PRODUCER				CONTACT NAME: Na	ncy Fer	rick			
AssuredPartners Design Professional 3697 Mt. Diablo Blvd., Suite 230	s Insi	uranc	ce Services, LLC	PHONE (A/C, No, Ext):	510-27	2-1400	FAX (A/C, No):		
Lafayette CA 94549				E-MAIL ADDRESS: Na	ancy.fer	rick@assured	dpartners.com		
-					INS	URER(S) AFFOR	DING COVERAGE		NAIC #
			License#: 6003745	INSURER A : X	(L Spec	ialty Insuranc	e Company		37885
INSURED			AHBLINC					25674	
AHBL, Inc. 2215 North 30th Street, Suite 300				INSURER C : T	The Cha	rter Oak Fire	Insurance Company		25615
Tacoma WA 98403				INSURER D : T	The Trav	elers Indemn	ity Company of Connection	cut	25682
				INSURER E :					
				INSURER F :					
			NUMBER: 2140833679				REVISION NUMBER:		
THIS IS TO CERTIFY THAT THE POLICIES INDICATED. NOTWITHSTANDING ANY R CERTIFICATE MAY BE ISSUED OR MAY EXCLUSIONS AND CONDITIONS OF SUCH	equif Pert Poli	REMEI AIN, CIES.	NT, TERM OR CONDITION THE INSURANCE AFFORDI LIMITS SHOWN MAY HAVE	OF ANY CON ED BY THE F BEEN REDUC	NTRACT POLICIE CED BY	OR OTHER E S DESCRIBEE PAID CLAIMS.	DOCUMENT WITH RESPEC	ст то и	HICH THIS
INSR LTR TYPE OF INSURANCE		SUBR WVD	POLICY NUMBER	(MM/D	CY EFF D/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMIT	s	
D X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR	Y	Y	6808J59430A	9/11	1/2023	9/11/2024	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 1,000, \$ 1,000,	
							MED EXP (Any one person)	\$ 10,000	1
							PERSONAL & ADV INJURY	\$ 1,000,	000
GEN'L AGGREGATE LIMIT APPLIES PER:							GENERAL AGGREGATE	\$2,000,	000
POLICY X PRO- JECT LOC							PRODUCTS - COMP/OP AGG	\$2,000,	000
OTHER:								\$	
	Y	Y	BA8P56584A	9/11	1/2023	9/11/2024	COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,	000
X ANY AUTO OWNED SCHEDULED							BODILY INJURY (Per person)	\$	
AUTOS ONLY AUTOS							BODILY INJURY (Per accident) PROPERTY DAMAGE	\$	
X AUTOS ONLY X AUTOS ONLY							(Per accident)	\$	
								\$	
B X UMBRELLA LIAB X OCCUR	Y	Y	CUP8J596642	9/11	1/2023	9/11/2024	EACH OCCURRENCE	\$ 10,000	
EXCESS LIAB CLAIMS-MADE	<u> </u>						AGGREGATE	\$ 10,000	,000
DED X RETENTION \$ 10,000			0000 150 100 1			0////000/	PER V OTH-	\$	
AND EMPLOYERS' LIABILITY Y / N			6808J59430A	9/11	1/2023	9/11/2024	PER STATUTE X OTH- ER		op Gap
ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED?	N / A						E.L. EACH ACCIDENT	\$ 1,000,	
(Mandatory in NH) If yes, describe under							E.L. DISEASE - EA EMPLOYEE		
DÉSCRIPTION OF OPERATIONS below A Professional Liability			DPR5017465	0// 4	1/2023	9/11/2024	E.L. DISEASE - POLICY LIMIT \$2,000,000	\$ 1,000,0 per Cla	
			DPR3017405	9/11	1/2023	9/11/2024	\$4,000,000		l Aggregate
DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required) RE: All Operations of the Named Insured. The City of Spokane, its officers and employees are named as Additional Insured for General Liability and Auto Liability as required by written contract. General Liability is Primary and Noncontributory as per policy form. A Waiver of Subrogation applies per the attached endorsement(s).									
CERTIFICATE HOLDER CANCELLATION 30 Day Notice of Cancellation									
SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.									
Spokane, VVA 99201				AUTHORIZED REPRESENTATIVE					
				Mo Honton					
				•	© 19	88-2015 AC	ORD CORPORATION.	All riah	ts reserved.

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THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS – SCHEDULED PERSON OR ORGANIZATION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Names of Additional Insured Person(s) or Organization(s):

Any person or organization that you agree in a written contract to include as an additional insured on this Coverage Part, provided that such written contract was signed by you before, and is in effect when, the "bodily injury" or "property damage" occurs or the "personal injury" or "advertising injury" offense is committed.

Location of Covered Operations:

Any project to which a written contract with the Additional Insured Person(s) or Organization(s) in the Schedule applies.

(Information required to complete this Schedule, if not shown above, will be shown in the Declarations.)

- A. Section II Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage", "personal injury" or "advertising injury" caused, in whole or in part, by:
 - **1.** Your acts or omissions; or
 - **2.** The acts or omissions of those acting on your behalf;

in the performance of your ongoing operations for the additional insured(s) at the location(s) designated above.

B. With respect to the insurance afforded to these additional insureds, the following additional exclusions apply:

This insurance does not apply to "bodily injury" or "property damage" occurring, or "personal injury" or "advertising injury" arising out of an offense committed, after:

- All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the location of the covered operations has been completed; or
- 2. That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.

CG D3 61 03 05

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THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS – COMPLETED OPERATIONS

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s):

Any person or organization that you agree in a written contract to include as an additional insured on this Coverage Part for "bodily injury" or "property damage" included in the products-completed operations hazard, provided that such contract was signed by you before, and is in effect when, the "bodily injury or "property damage" occurs.

Location And Description Of Completed Operations

Any project to which a written contract with the Additional Insured Person(s) or Organization(s) in the Schedule applies.

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury" or "property damage" caused, in whole or in part, by "your work" at the location designated and described in the schedule of this endorsement performed for that additional insured and included in the "products-completed operations hazard".

CG 20 37 07 04

CG T8 05 09 23 DATE OF ISSUE: 09/08/2023 © ISO Properties, Inc., 2004

COMMERCIAL GENERAL LIABILITY

c. Method Of Sharing

If all of the other insurance permits contribution by equal shares, we will follow this method also. Under this approach each insurer contributes equal amounts until it has paid its applicable limit of insurance or none of the loss remains, whichever comes first.

If any of the other insurance does not permit contribution by equal shares, we will contribute by limits. Under this method, each insurer's share is based on the ratio of its applicable limit of insurance to the total applicable limits of insurance of all insurers.

Primary And Non-Contributory Insurance If Required By Written Contract

If you specifically agree in a written contract or agreement that the insurance afforded to an insured under this Coverage Part must apply on a primary basis, or a primary and noncontributory basis, this insurance is primary to other insurance that is available to such insured which covers such insured as a named insured, and we will not share with that other insurance, provided that:

- (1) The "bodily injury" or "property damage" for which coverage is sought occurs; and
- (2) The "personal and advertising injury" for which coverage is sought is caused by an offense that is committed;

subsequent to the signing of that contract or agreement by you.

5. Premium Audit

- **a.** We will compute all premiums for this Coverage Part in accordance with our rules and rates.
- b. Premium shown in this Coverage Part as advance premium is a deposit premium only. At the close of each audit period we will compute the earned premium for that period and send notice to the first Named Insured. The due date for audit and retrospective premiums is the date shown as the due date on the bill. If the sum of the advance and audit premiums paid for the policy period is greater than the earned premium, we will return the excess to the first Named Insured.
- c. The first Named Insured must keep records of the information we need for premium computation, and send us copies at such times as we may request.

6. Representations

By accepting this policy, you agree:

- a. The statements in the Declarations are accurate and complete;
- **b.** Those statements are based upon representations you made to us; and
- **c.** We have issued this policy in reliance upon your representations.

The unintentional omission of, or unintentional error in, any information provided by you which we relied upon in issuing this policy will not prejudice your rights under this insurance. However, this provision does not affect our right to collect additional premium or to exercise our rights of cancellation or nonrenewal in accordance with applicable insurance laws or regulations.

→7. Separation Of Insureds

Except with respect to the Limits of Insurance, and any rights or duties specifically assigned in this Coverage Part to the first Named Insured, this insurance applies:

- As if each Named Insured were the only Named Insured; and
- **b.** Separately to each insured against whom claim is made or "suit" is brought.

8. Transfer Of Rights Of Recovery Against Others To Us

If the insured has rights to recover all or part of any payment we have made under this Coverage Part, those rights are transferred to us. The insured must do nothing after loss to impair them. At our request, the insured will bring "suit" or transfer those rights to us and help us enforce them.

9. When We Do Not Renew

If we decide not to renew this Coverage Part, we will mail or deliver to the first Named Insured shown in the Declarations written notice of the nonrenewal not less than 30 days before the expiration date.

If notice is mailed, proof of mailing will be sufficient proof of notice.

SECTION V - DEFINITIONS

- "Advertisement" means a notice that is broadcast or published to the general public or specific market segments about your goods, products or services for the purpose of attracting customers or supporters. For the purposes of this definition:
 - Notices that are published include material placed on the Internet or on similar electronic means of communication; and
 - b. Regarding websites, only that part of a website that is about your goods, products or services for the purposes of attracting customers or supporters is considered an advertisement.

occupational therapist or occupational therapy assistant, physical therapist or speech-language pathologist; or

- (b) First aid or "Good Samaritan services" by any of your "employees" or "volunteer workers", other than an employed or volunteer doctor. Any such "employees" or "volunteer workers" providing or failing to provide first aid or "Good Samaritan services" during their work hours for you will be deemed to be acting within the scope of their employment by you or performing duties related to the conduct of your business.
- The following replaces the last sentence of Paragraph 5. of SECTION III – LIMITS OF INSURANCE:

For the purposes of determining the applicable Each Occurrence Limit, all related acts or omissions committed in providing or failing to provide "incidental medical services", first aid or "Good Samaritan services" to any one person will be deemed to be one "occurrence".

4. The following exclusion is added to Paragraph 2., Exclusions, of SECTION I – COVERAGES – COVERAGE A – BODILY INJURY AND PROPERTY DAMAGE LIABILITY:

Sale Of Pharmaceuticals

"Bodily injury" or "property damage" arising out of the violation of a penal statute or ordinance relating to the sale of pharmaceuticals committed by, or with the knowledge or consent of the insured.

5. The following is added to the **DEFINITIONS** Section:

"Incidental medical services" means:

- a. Medical, surgical, dental, laboratory, xray or nursing service or treatment, advice or instruction, or the related furnishing of food or be verages; or
- **b.** The furnishing or dispensing of drugs or medical, dental, or surgical supplies or appliances.
- 6. The following is added to Paragraph 4.b., Excess Insurance, of SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS:

This insurance is excess over any valid and collectible other insurance, whether primary, excess, contingent or on any other basis,

that is available to any of your "employees" for "bodily injury" that arises out of providing or failing to provide "incidental medical services" to any person to the extent not subject to Paragraph **2.a.(1)** of Section II – Who Is An Insured.

K. MEDICAL PAYMENTS - INCREASED LIMIT

The following replaces Paragraph 7. of SECTION III – LIMITS OF INSURANCE:

- Subject to Paragraph 5. above, the Medical Expense Limit is the most we will pay under Coverage C for all medical expenses because of "bodily injury" sustained by any one person, and will be the higher of:
 - a. \$10,000; or
 - **b.** The amount shown in the Declarations of this Coverage Part for Medical Expense Limit.
- L. AMENDMENT OF EXCESS INSURANCE CONDITION – PROFESSIONAL LIABILITY

The following is added to Paragraph 4.b., Excess Insurance, of SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS:

This insurance is excess over any of the other insurance, whether primary, excess, contingent or on any other basis, that is Professional Liability or similar coverage, to the extent the loss is not subject to the professional services exclusion of Coverage **A** or Coverage **B**.

M. BLANKET WAIVER OF SUBROGATION – WHEN REQUIRED BY WRITTEN CONTRACT OR AGREEMENT

The following is added to Paragraph 8., Transfer Of Rights Of Recovery Against Others To Us, of SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS:

If the insured has agreed in a written contract or agreement to waive that insured's right of recovery against any person or organization, we waive our right of recovery against such person or organization, but only for payments we make because of:

- a. "Bodily injury" or "property damage" that occurs; or
- **b.** "Personal and advertising injury" caused by an offense that is committed;

subsequent to the signing of that contract or agreement.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

BUSINESS AUTO EXTENSION ENDORSEMENT

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM

GENERAL DESCRIPTION OF COVERAGE – This endorsement broadens coverage. However, coverage for any injury, damage or medical expenses described in any of the provisions of this endorsement may be excluded or limited by another endorsement to the Coverage Part, and these coverage broadening provisions do not apply to the extent that coverage is excluded or limited by such an endorsement. The following listing is a general coverage description only. Limitations and exclusions may apply to these coverages. Read all the provisions of this endorsement and the rest of your policy carefully to determine rights, duties, and what is and is not covered.

- A. BROAD FORM NAMED INSURED
- B. BLANKET ADDITIONAL INSURED
- C. EMPLOYEE HIRED AUTO
- D. EMPLOYEES AS INSURED
- E. SUPPLEMENTARY PAYMENTS INCREASED LIMITS
- F. HIRED AUTO LIMITED WORLDWIDE COV-ERAGE – INDEMNITY BASIS
- G. WAIVER OF DEDUCTIBLE GLASS

PROVISIONS

A. BROAD FORM NAMED INSURED

The following is added to Paragraph A.1., Who Is An Insured, of SECTION II – COVERED AUTOS LIABILITY COVERAGE:

Any organization you newly acquire or form during the policy period over which you maintain 50% or more ownership interest and that is not separately insured for Business Auto Coverage. Coverage under this provision is afforded only until the 180th day after you acquire or form the organization or the end of the policy period, whichever is earlier.

B. BLANKET ADDITIONAL INSURED

The following is added to Paragraph **c.** in **A.1.**, **Who Is An Insured**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**:

Any person or organization who is required under a written contract or agreement between you and that person or organization, that is signed and executed by you before the "bodily injury" or "property damage" occurs and that is in effect during the policy period, to be named as an additional insured is an "insured" for Covered Autos Liability Coverage, but only for damages to which

- H. HIRED AUTO PHYSICAL DAMAGE LOSS OF USE INCREASED LIMIT
- I. PHYSICAL DAMAGE TRANSPORTATION EXPENSES – INCREASED LIMIT
- J. PERSONAL PROPERTY
- K. AIRBAGS
- L. NOTICE AND KNOWLEDGE OF ACCIDENT OR LOSS
- M. BLANKET WAIVER OF SUBROGATION
- N. UNINTENTIONAL ERRORS OR OMISSIONS

this insurance applies and only to the extent that person or organization qualifies as an "insured" under the Who Is An Insured provision contained in Section **II**.

C. EMPLOYEE HIRED AUTO

1. The following is added to Paragraph A.1., Who Is An Insured, of SECTION II – COV-ERED AUTOS LIABILITY COVERAGE:

An "employee" of yours is an "insured" while operating an "auto" hired or rented under a contract or agreement in an "employee's" name, with your permission, while performing duties related to the conduct of your business.

- The following replaces Paragraph b. in B.5., Other Insurance, of SECTION IV – BUSI-NESS AUTO CONDITIONS:
 - **b.** For Hired Auto Physical Damage Coverage, the following are deemed to be covered "autos" you own:
 - (1) Any covered "auto" you lease, hire, rent or borrow; and
 - (2) Any covered "auto" hired or rented by your "employee" under a contract in an "employee's" name, with your

permission, while performing duties related to the conduct of your business.

However, any "auto" that is leased, hired, rented or borrowed with a driver is not a covered "auto".

D. EMPLOYEES AS INSURED

The following is added to Paragraph A.1., Who Is An Insured, of SECTION II – COVERED AUTOS LIABILITY COVERAGE:

Any "employee" of yours is an "insured" while using a covered "auto" you don't own, hire or borrow in your business or your personal affairs.

- E. SUPPLEMENTARY PAYMENTS INCREASED LIMITS
 - The following replaces Paragraph A.2.a.(2), of SECTION II – COVERED AUTOS LIABIL-ITY COVERAGE:
 - (2) Up to \$3,000 for cost of bail bonds (including bonds for related traffic law violations) required because of an "accident" we cover. We do not have to furnish these bonds.
 - 2. The following replaces Paragraph A.2.a.(4), of SECTION II – COVERED AUTOS LIABIL-ITY COVERAGE:
 - (4) All reasonable expenses incurred by the "insured" at our request, including actual loss of earnings up to \$500 a day because of time off from work.
- F. HIRED AUTO LIMITED WORLDWIDE COV-ERAGE – INDEMNITY BASIS

The following replaces Subparagraph (5) in Paragraph B.7., Policy Period, Coverage Territory, of SECTION IV – BUSINESS AUTO CONDI-TIONS:

(5) Anywhere in the world, except any country or jurisdiction while any trade sanction, embargo, or similar regulation imposed by the United States of America applies to and prohibits the transaction of business with or within such country or jurisdiction, for Covered Autos Liability Coverage for any covered "auto" that you lease, hire, rent or borrow without a driver for a period of 30 days or less and that is not an "auto" you lease, hire, rent or borrow from any of your "employees", partners (if you are a partnership), members (if you are a limited liability company) or members of their households.

- (a) With respect to any claim made or "suit" brought outside the United States of America, the territories and possessions of the United States of America, Puerto Rico and Canada:
 - (i) You must arrange to defend the "insured" against, and investigate or settle any such claim or "suit" and keep us advised of all proceedings and actions.
 - (ii) Neither you nor any other involved "insured" will make any settlement without our consent.
 - (iii) We may, at our discretion, participate in defending the "insured" against, or in the settlement of, any claim or "suit".
 - (iv) We will reimburse the "insured" for sums that the "insured" legally must pay as damages because of "bodily injury" or "property damage" to which this insurance applies, that the "insured" pays with our consent, but only up to the limit described in Paragraph C., Limits Of Insurance, of SECTION II – COVERED AUTOS LIABILITY COVERAGE.
 - (v) We will reimburse the "insured" for the reasonable expenses incurred with our consent for your investigation of such claims and your defense of the "insured" against any such "suit", but only up to and included within the limit described in Paragraph C., Limits Of Insurance, of SECTION II – COVERED AUTOS LIABILITY COVERAGE, and not in addition to such limit. Our duty to make such payments ends when we have used up the applicable limit of insurance in payments for damages, settlements or defense expenses.
- (b) This insurance is excess over any valid and collectible other insurance available to the "insured" whether primary, excess, contingent or on any other basis.
- (c) This insurance is not a substitute for required or compulsory insurance in any country outside the United States, its territories and possessions, Puerto Rico and Canada.

You agree to maintain all required or compulsory insurance in any such country up to the minimum limits required by local law. Your failure to comply with compulsory insurance requirements will not invalidate the coverage afforded by this policy, but we will only be liable to the same extent we would have been liable had you complied with the compulsory insurance requirements.

(d) It is understood that we are not an admitted or authorized insurer outside the United States of America, its territories and possessions, Puerto Rico and Canada. We assume no responsibility for the furnishing of certificates of insurance, or for compliance in any way with the laws of other countries relating to insurance.

G. WAIVER OF DEDUCTIBLE – GLASS

The following is added to Paragraph **D.**, **Deductible**, of **SECTION III – PHYSICAL DAMAGE COVERAGE**:

No deductible for a covered "auto" will apply to glass damage if the glass is repaired rather than replaced.

H. HIRED AUTO PHYSICAL DAMAGE – LOSS OF USE – INCREASED LIMIT

The following replaces the last sentence of Paragraph **A.4.b.**, **Loss Of Use Expenses**, of **SEC-TION III – PHYSICAL DAMAGE COVERAGE**:

However, the most we will pay for any expenses for loss of use is \$65 per day, to a maximum of \$750 for any one "accident".

I. PHYSICAL DAMAGE – TRANSPORTATION EXPENSES – INCREASED LIMIT

The following replaces the first sentence in Paragraph A.4.a., Transportation Expenses, of SECTION III – PHYSICAL DAMAGE COVER-AGE:

We will pay up to \$50 per day to a maximum of \$1,500 for temporary transportation expense incurred by you because of the total theft of a covered "auto" of the private passenger type.

J. PERSONAL PROPERTY

The following is added to Paragraph A.4., Coverage Extensions, of SECTION III – PHYSICAL DAMAGE COVERAGE:

Personal Property

We will pay up to \$400 for "loss" to wearing apparel and other personal property which is:

(1) Owned by an "insured"; and

(2) In or on your covered "auto".

This coverage applies only in the event of a total theft of your covered "auto".

No deductibles apply to this Personal Property coverage.

K. AIRBAGS

The following is added to Paragraph B.3., Exclusions, of SECTION III – PHYSICAL DAMAGE COVERAGE:

Exclusion **3.a.** does not apply to "loss" to one or more airbags in a covered "auto" you own that inflate due to a cause other than a cause of "loss" set forth in Paragraphs **A.1.b.** and **A.1.c.**, but only:

- **a.** If that "auto" is a covered "auto" for Comprehensive Coverage under this policy;
- **b.** The airbags are not covered under any warranty; and
- **c.** The airbags were not intentionally inflated.

We will pay up to a maximum of \$1,000 for any one "loss".

L. NOTICE AND KNOWLEDGE OF ACCIDENT OR LOSS

The following is added to Paragraph **A.2.a.**, of **SECTION IV – BUSINESS AUTO CONDITIONS**:

Your duty to give us or our authorized representative prompt notice of the "accident" or "loss" applies only when the "accident" or "loss" is known to:

- (a) You (if you are an individual);
- (b) A partner (if you are a partnership);
- (c) A member (if you are a limited liability company);
- (d) An executive officer, director or insurance manager (if you are a corporation or other organization); or
- (e) Any "employee" authorized by you to give notice of the "accident" or "loss".

M. BLANKET WAIVER OF SUBROGATION

The following replaces Paragraph A.5., Transfer Of Rights Of Recovery Against Others To Us, of SECTION IV – BUSINESS AUTO CONDI-TIONS :

5. Transfer Of Rights Of Recovery Against Others To Us

We waive any right of recovery we may have against any person or organization to the extent required of you by a written contract signed and executed prior to any "accident" or "loss", provided that the "accident" or "loss" arises out of operations contemplated by such contract. The waiver applies only to the person or organization designated in such contract.

N. UNINTENTIONAL ERRORS OR OMISSIONS

The following is added to Paragraph B.2., Concealment, Misrepresentation, Or Fraud, of SECTION IV – BUSINESS AUTO CONDITIONS: The unintentional omission of, or unintentional error in, any information given by you shall not prejudice your rights under this insurance. However this provision does not affect our right to collect additional premium or exercise our right of cancellation or non-renewal.

Return to Minutes

Spokane Park Board Briefing Paper



Committee	Land Committee Committee meeting date: June 5, 2024					
Requester	Nick Hamad	Phone number: 509.363.5452				
Type of agenda item	OConsent ODiscussion	n OInformation OAction				
Type of contract/agreement	●New ○Renewal/ext. ○	Lease OAmendment/change order OOther				
City Clerks file (OPR or policy #)						
Master Plan Goal, Objective, Strategy	N/A	Master Plan Priority Tier: N/A				
(Click HERE for link to the adopted plan)		(pg. 171-175)				
Item title: (Use exact language noted on the agenda)	Darren Chu / Pedestrian Access Easement / Grant Park (In-Kind improvement).					
Begin/end dates	Begins: 06/13/2024	Ends: 06/01/2525				
from the adjacent business (Indicana) p easement was discussed by the land co drafting of an easement agreement. Sin open a restaurant and is returning with In accordance with the draft 'alternative 'application form for alternative use on p Motion wording:	destrian access easement across a small portion of Grant Park to facilitate emergency egress onto park property m the adjacent business (Indicana) patio as required by the City planning & building services division. This sement was discussed by the land committee in September of 2023, and the park board was amenable to the afting of an easement agreement. Since that time the private party has been renovating the adjacent property to en a restaurant and is returning with the formal request for an access easement agreement. accordance with the draft 'alternative use on park property' policy, applicant has prepared responses to the draft plication form for alternative use on park land' for park board review.					
If so, who/what department, agency or co	• Yes ONO Ompany: Darren Chu - Prope	rty Owner				
Name: Darren Chu	Email address: TBD	Phone:				
Distribution: Parks – Accounting Parks – Sarah Deatrich Requester: Nick Hamad Grant Management Department/Name:	Patty Ko Chip Ov Nick Ha	verstreet (chipoverstreet@gmail.com)				
Fiscal impact: O Expenditure	Revenue					
Amount: in-kind improvement	Budget code: TBD					
Vendor: O Existing vendor Supporting documents:	O New vendor					
Quotes/solicitation (RFP, RFQ, RFB)		(for new contractors/consultants/vendors				
Contractor is on the City's A&E Roster - C UBI: Business license exp		Forms (for new contractors/consultants/vendors ance Certificate (min. \$1 million in General Liability)				

City of Spokane Parks & Recreation Division 808 W. Spokane Falls Blvd. Spokane, WA 99201 509.625.6200

Document Title(s): ACCESS EASEMENT

Grantor:

CITY OF SPOKANE Grantee:

• DARREN L. CHU

Abbreviated legal description:

• 20-25-43: COOK & BYER LOTS 2-3 B1; TOG W S 1/2 VAC 10TH LYG N OF AND ADJ TO LT 2; ALSO TOG W/ PTNS OF VAC RDS WHICH ATTACH BY OPERATION OF LAW PER ORDINANCE C20856

Tax Parcel No(s):

• 35204.2604

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City of Spokane Parks & Recreation Division 808 W. Spokane Falls Blvd. Spokane, WA 99201 (509) 625-6200

ACCESS EASEMENT

This Access Easement ("Easement") is made and executed this _____ day of _____, 2024, by THE CITY OF SPOKANE, a municipal corporation of the State of Washington ("City" or "Grantor"), and DARREN L. CHU, a Washington limited liability company; dealing in his sole property ("Grantee"), hereinafter jointly referred to as "Grantee".

WHEREAS, the City owns certain real property located in the City and County of Spokane, Washington generally described Spokane County Parcel Number 35204.2604 which is more fully described in Exhibit "A" attached hereto ("Park Property"); and having an abbreviated legal description as follows:

20-25-43: COOK & BYER LOTS 2-3 B1; TOG W S 1/2 VAC 10TH LYG N OF AND ADJ TO LT 2; ALSO TOG W/ PTNS OF VAC RDS WHICH ATTACH BY OPERATION OF LAW PER ORDINANCE C20856.

WHEREAS, Grantee owns certain real property known as Spokane County Parcel Number 35204.2628, which is more fully described on Exhibit "B" attached hereto ("Benefitted Property"); and

WHEREAS, Grantee has requested an easement for purposes of a required secondary egress and landscaping from the building to their northern portion of their parcel, over a portion of the Park Property as described in Exhibit "C" attached hereto ("Access Easement"); and

WHEREAS, Grantee has requested an easement to facilitate the installation, operation and maintenance for a private walkway access to the northern portion of their parcel, using a portion of the Park Property as described in Exhibit "C" attached hereto ("Access Easement").

NOW, THEREFORE, in consideration of tree work, public access improvement and maintenance, the mutual benefits, covenants and purposes herein stated, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the City and Grantee agree as follows:

1. <u>Easement</u>. Grantor hereby grants and delivers to Grantee a perpetual easement on, over, under, through, across, and upon those portions of the Park Property described in Exhibit "C" for purpose of providing access ingress, egress and landscaping (the "Access Easement"), and over, through, and across those portions of the Park Property described in Exhibit "A" for purposes of a required secondary egress and landscaping from the building to their northern portion of their parcel (the "Access Easement"), and for no other purposes. Collectively, the Access Easement may be referred to hereinafter as the "Easement".

2. <u>Purpose</u>.

A. Access Easement. The Access Easement is granted for the purpose of allowing Grantee(s), at all times, to enter the Access Easement for the purpose of a required secondary egress and landscaping from the building to their northern portion of their parcel a required secondary egress from the building to their northern portion of their parcel to the Benefitted Property together with associated landscaping, all at no cost whatsoever to Grantor.

B. Director Permission Required. Grantee(s) shall not install or replace any such improvements in the Easement until plans for the same have been reviewed and approved in writing by the Director of Parks and Recreation. Except as expressly provided herein, Grantees shall not use the Easement for any other purpose(s) without the express written permission of the Director of Parks and Recreation.

3. <u>Non-Exclusive</u>. The Easement granted herein shall be non-exclusive.

4. <u>Maintenance</u>.

A. Grantees shall be responsible for maintenance, repair, and/or replacement of all improvements constructed by Grantees within the Easement. Without limiting the foregoing, Grantees shall, at its sole cost and expense, maintain and keep the Access Easement area and associated improvements and appurtenances in good working condition. Grantees shall maintain an all-weather surface condition. The City shall not be responsible for any routine maintenance, repair or replacement of any portion of the improvements within the Easements.

B. Upon each and every occasion that the Grantees install, repair, maintain, remove, and/or replace improvements of any kind within the Easement, Grantee(s) shall restore Park Property and Grantor's surrounding property to the condition such property was in prior to any such installation or work, to the extent any damage or disturbance to Park Property was caused by the Grantees' installation, repair, maintenance, removal and/or replacement of its improvements within the Easement area.

C. Prior to the commencement of construction or maintenance activities within the Easement, Grantee(s) shall provide a minimum 14-day notice to Grantor of planned work. Grantee(s) shall call 509.625.6200 and request to be directed to appropriate City staff for coordination of construction or maintenance activity.

D. Grantee(s) shall construct and maintain all improvements within the Easement to the standards required by all authorities having jurisdiction. Access improvements shall include a hard surfaced walkway/access, landscaping and vegetation (including any tree or shrub roots), irrigation, general area lighting improvements, and any other appurtenance as required by authorities having jurisdiction within the Access Easement area.

E. Grantee(s) shall maintain trees immediately adjacent to the west property line of Grantee(s) property (adjacent to sport court) in accordance with City of Spokane Urban Forestry standards for the duration of this easement.

F. Grantees are responsible for obtaining all required approvals and permits for any activity Grantees undertake within the Easement.

G. Neither Grantee(s), nor their successors or assigns shall be permitted to erect or place any gates, fencing, access controls, accessory structures, building encroachments, or other improvement(s) within the Easement or on Park Property which may limit public access to the Park Property or reduce the area of Park Property available to the public.

5. <u>Successors</u>. The agreements contained herein and the rights granted hereby shall run with the title to the easement areas and shall bind and inure to the benefit of the parties hereto and their respective heirs, successors, sub-lessees and assigns.

6. <u>Miscellaneous Provisions</u>.

A. Nothing in this instrument or any action or inaction by the City shall create any obligation on the part of the City to pay for any improvements, to provide public utility services or to pay for any service connections, or installations near or adjacent to the Easements.

B. Each individual executing these easement on behalf of Grantee(s) represents and warrants that they are duly authorized to execute and deliver this Easement on behalf of Grantee(s) in accordance with a duly adopted resolution of Grantees' board of directors or in accordance with Grantees' bylaws (if applicable), and that this Easement is binding upon Grantee(s) and its successor's and assigns, in accordance with its terms.

C. The Grantees shall secure a tree permit from the City of Spokane Urban Forestry Department for all tree work associated with Access Improvements & Utility Improvements and perform all tree work in accordance with City requirements. Grantees shall prune and/or remove trees and understory vegetation immediately west of Grantees property (adjacent to sport court) in accordance with the recommendations of City of Spokane Urban Forestry staff and Parks Department Landscape Architect. This work is intended to open views into the park from the private property and improve the general security of this location.

7. <u>Indemnification</u>. Grantee(s) shall defend, indemnify, hold and save the Grantor harmless from any activity, work or thing done, permitted or suffered by Grantee(s) in or about the Access Easement, except to the extent such claim resulted from the act or omission of Grantor in which case this indemnity provision shall be valid and enforceable only to the extent such claim arose from the act or omission of Grantee9s0, its agents or contractors.

8. <u>Insurance.</u> At all times during the term of this Easement, Grantee(s) shall maintain in force at its own expense, General Liability Insurance on an occurrence basis with a combined single limit, of not less than \$1,000,000 each occurrence for bodily injury and property damage. It shall include contractual liability coverage for the indemnity provided under this lease. It shall provide that the City, its officers, employees and agents are additional insureds but only with respect to the Lessee's occupancy of the premises under this lease; and

There shall be no cancellation, material change, reduction of limits or intent not to renew the insurance coverage(s) without 30 days written notice from the Lessee or its insurer(s) to the City.

As evidence of the insurance coverages required by this Easement, the Grantee(s) shall furnish acceptable insurance certificates to the City at the time the Grantees returns the signed Easement. The certificate shall specify all of the parties who are additional insured, will include applicable policy endorsements, will include the 30 day cancellation clause, and will include the deduction or retention level. Insuring companies or entities are subject to City acceptance. If requested, complete copies of insurance policies shall be provided to the City. Grantees shall be financially responsible for all pertinent deductibles, self-insured retentions, and/or self-insurance.

/ / /		
Dated this	day of	, 2024.
		CITY OF SPOKANE
		By: City Administrator
Attest:		Approved as to form:
City Clerk		Assistant City Attorney
GRANTEE:		
DARREN L CHU		
By: <u>Darren L. Chu</u>		_
Its: Property Owner		_

Darren L Chu

STATE OF WASHINGTON)) ss. County of Spokane)

I certify that I know or have satisfactory evidence that GARRETT JONES and TERRI L. PFISTER, are the persons who appeared before me and said persons acknowledged that they signed this document, on oath stated that they were authorized to sign it and acknowledged it as the City Administrator and the City Clerk, respectively, of the CITY OF SPOKANE, a municipal corporation, to be the free and voluntary act of such party for the uses and purposes therein mentioned.

Notary Public in and for the State of Washington, residing at Spokane.

Appointment expires: _____

STATE OF WASHINGTON

: ss. County of Spokane :

on oath state that (she/he/they) is/are authorized to execute the instrument as the PROPERTY OWNER

(Position/Title)

and acknowledge it to be (her/his/their) free and voluntary act of such party for uses and purposes mentioned in the instrument.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal the day and year first above written.

Notary Public in and for the State of Washington, residing at Spokane My commission expires:

Exhibit A

Legal Description and Depiction of City Property

A portion of Section 20, Township 25 North, Range 43, E.W.M. in Spokane County, Washington described in as follows:

20-25-43: COOK & BYER LOTS 2-3 B1; TOG W S 1/2 VAC 10TH LYG N OF AND ADJ TO LT 2; ALSO TOG W/ PTNS OF VAC RDS WHICH ATTACH BY OPERATION OF LAW PER ORDINANCE C20856.



Legal Description and Depiction of Grantees's Property

A portion of Section 20, Township 25 North, Range 43, E.W.M. in Spokane County, Washington described in as follows:

20-25-43 THE NORTH 50 FEET OF LOTS 23-24 BLOCK 1; TOGETHER WITH THE SOUTH 10 FEET OF LOT 1 BLOCK 1 OF COOK AND BYERS ADDITION.

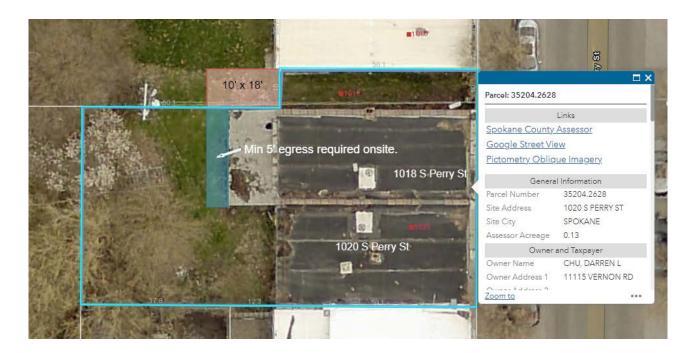


Exhibit C

Legal Description and Depiction of Access Easement



Return to Minutes

Spokane Park Board Briefing Paper



	1						
Committee	FinanceCommittee meeting date: June 11, 2024						
Requester	Jason Conley Phone number:						
Type of agenda item	OConsent O	Discussion	Information	Action			
Type of contract/agreement	ONew ORenewa	l/ext. OLease	Amendment/change	ge order Other			
City Clerks file (OPR or policy #)	New OPR Cross Ref: OPR 2019-0848						
Master Plan Goal, Objective, Strategy	Goal K (Maintain and	,	ter Plan Priority Tier:	Second Tier			
(Click HERE for link to the adopted plan)		(pg. 1	.71-175)				
Item title: (Use exact language noted on	Continuation of Parks Fleet Replacement Pilot Program						
the agenda)							
Begin/end dates	Begins: 07/01/2024	Ends	: 06/30/2025	06/01/2525			
Background/history:		=					
In March of 2019, Parks commenced a pilo with an average fleet age of 14.9 years of a							
(11 lease returns/1 accident loss) under thi							
vehicles on backorder. Estimates indicate Parks will save \$350,000 over 10 years in a combination of vehicle purchase savings and lower maintenance and operation costs. Parks was spending over \$150,000 per year on maintenance and repair							
costs for the existing fleet, prior to the pilot. Under this pilot program, Parks leases each vehicle and has the opportunity to sell back the vehicle at a price equal or greater than the original purchase price. Over time, this program will refresh the entire fleet							
and provide the estimated savings stated a shortages of critical components, 2025 ord							
		, 10 000010 2020		mandiaotaroo.			
Motion wording:							
Approve the continuation of the Parks fleet replacement pilot program in 2024-2025 for additional lease-to-own payments							
not to exceed \$180,000.							
Approvals/signatures outside Parks: Yes No 							
If so, who/what department, agency or c	· · ·		Diana				
Name: Cody Bykonen	Email address: coo	dy.rbykonen@efl	eets.com Phone	: (425) 917-6308			
Distribution:							
Parks – Accounting Parks – Sarah Deatrich							
Requester: Jason Conley							
Grant Management Department/Name:							
Fiscal impact: O Expenditure	O Revenue						
Amount:		get code:					
\$180,000	Exi	sting fleet budge	ts				
Vendor: • Existing vendor	O New vendor						
Supporting documents:	-						
Quotes/solicitation (RFP, RFQ, RFB)							
Contractor is on the City's A&E Roster - City of Spokane ACH Forms (for new contractors/consultants/vendor UBI: Business license expiration date: Insurance Certificate (min. \$1 million in General Lia)							
UBI: Business license expiration date: Insurance Certificate (min. \$1 million in General Liability)							

06/04/2024

Fleet Profile

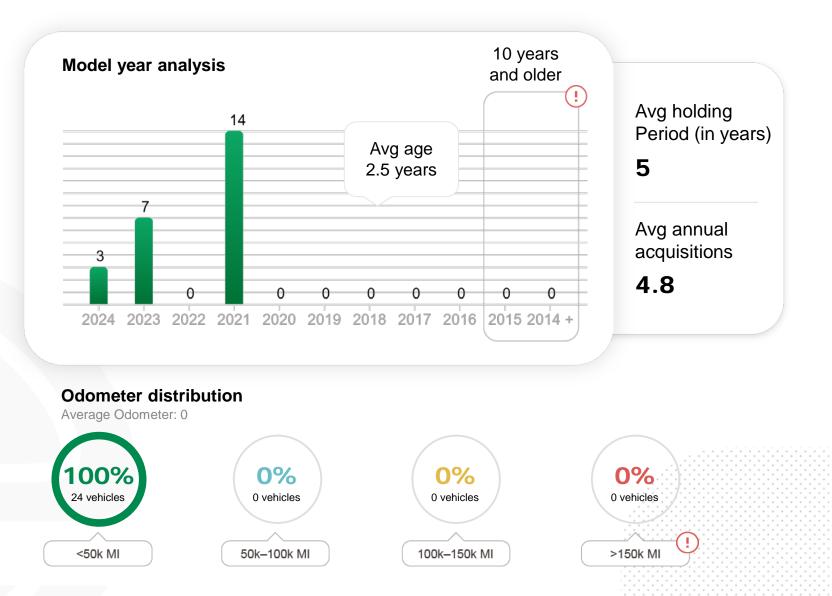
CITY OF SPOKANE - PARKS DEPARTMENT

CITY OF SPOKANE -PARKS DEPARTMENT Fleet Profile

Manufacturer breakdown 13% Manufacturers in fleet: 2 88% Ford GMC

Total fleet size: Total fleet value:

24 \$794,275

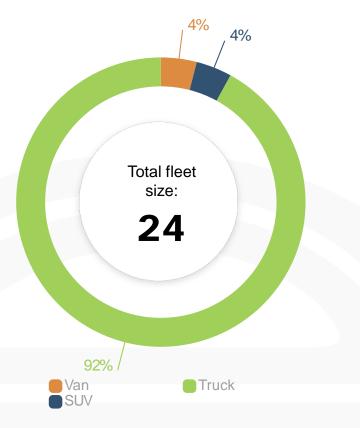


enterprise

FLEET MANAGEMENT

CITY OF SPOKANE -PARKS DEPARTMENT Vehicle Classes

Vehicle class overview



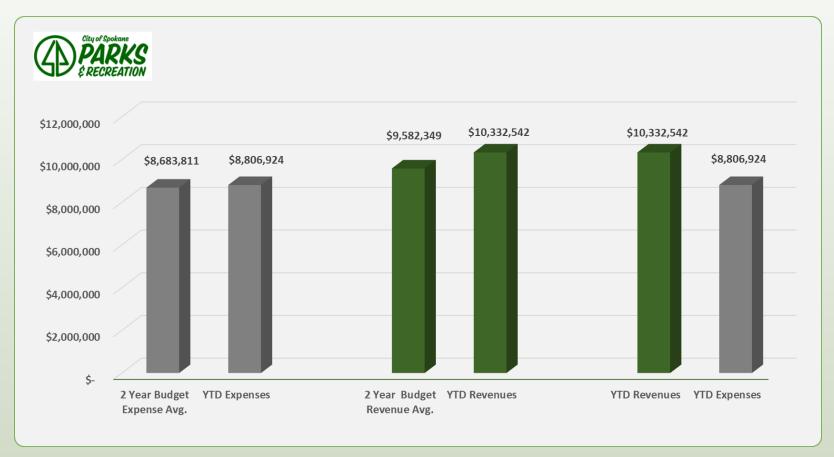
Vehicle Type	Quantity	Avg Age	Avg Annual Mileage	FLEET MANAGEMEN
3/4 Ton Pickup Reg 4x4	11	3.2	1,903	
1/2 Ton Pickup Quad 4x4	9	2.1	3,333	Vehicle
1 Ton Pickup Quad 4x4	1	0.4	7,000	types 6
1 Ton Pickup Reg 4x4	1	0.4	7,000	Avg Odometer
Compact SUV 4x4	1	0.4	7,000	Ο
Full-size Van-Passenger	1	3.4	2,059	
Totals/Averages:	24	2.5	0	

enterprise

City of Spokane PARKS ¢ RECREATION

May '24 Financials

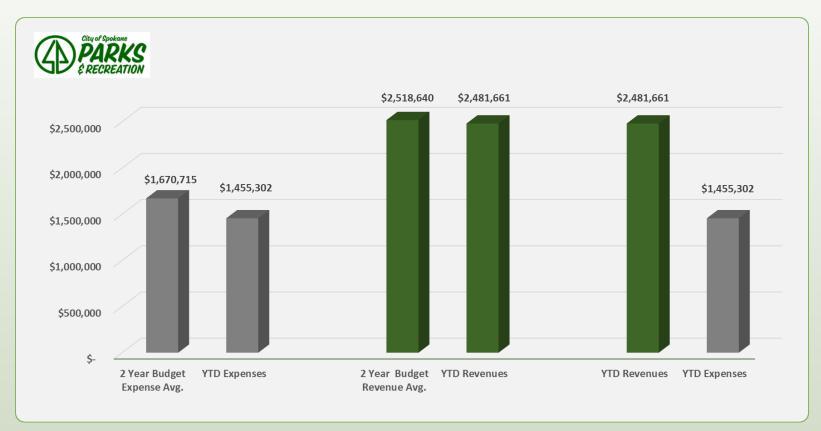
Parks Financials



Key Concepts:

- As a % of budget, both revenues and expenses are trending higher than 2023.
- YTD we have made \$400,000 in transfers to capital versus \$250,000 at this time last year.
- YTD revenues currently exceed YTD expenses by \$1.50 million.

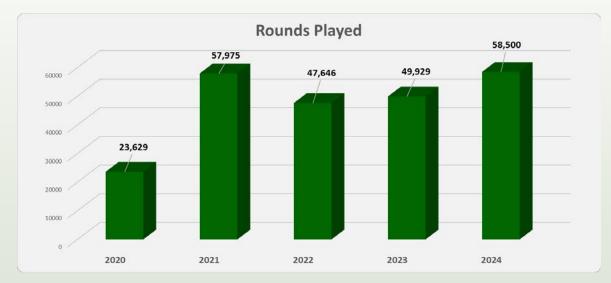
Golf Financials

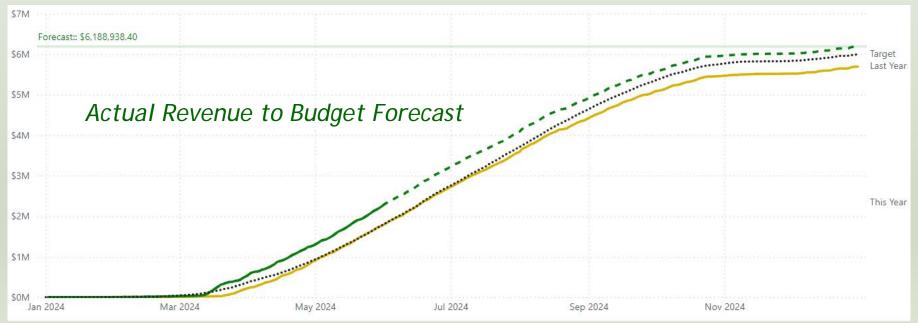


Key Concepts:

- Golf is currently at 41% of budget for revenues and 28% of budget for expenses.
- Total revenues are ahead of last year by \$543,000.
- YTD revenues currently exceed YTD expenses by \$722,865 (excluding FIF and debt payment).

Golf Scorecard







Questions Or Comments?

SPRING/SUMMER RECREATION HIGHLIGHTS

Wellness & Enrichment:

- Spokane Garry Historical Tours kicked off with 22 participants on the June 1 tour.
- Longevity Fit for Healthy Aging added one more location for the Fall season at the Hillyard Senior Center.
- Volunteering at Spokane Safe Communities Basketball (at risk)
 Youth Tournament at RFP on 8/10.





CORBIN ART CENTER:

- 200 registrations for Spring programs, 16 Art Parties and 3 Facility Rentals in Spring.
- In April, Corbin partnered with St. Charles Elementary School to offer art programs to their students.

SPRING/SUMMER RECREATION HIGHLIGHTS

ATHLETICS:

- 29/30 spots filled for 1st Skateboarding Lesson Session.
- 121 Adult & Senior Softball Teams
- 12 Cornhole teams.
- 320 Youth NFL League participants.

SPRING VOLLEYBALL 146 teams and 900 players! SUMMER OUTDOOR VOLLEYBALL 41 Teams Summer of 2023 – 29 Teams



Spring/Summer Recreation Highlights

OUTDOOR:



85 Spring Outdoor Participants over7 activities in this shoulder season.

Walla Walla Bicycle Winery Tour -Amazing trip with great registration!



DISC GOLF:

- Whitewater Disc Golf Course is open, and people are enjoying the new designs and features for play!
- Camp Sekani Disc Golf and Trails are super popular and busy this Spring!





SPRING/SUMMER RECREATION HIGHLIGHTS

AQUATICS:



• WITTER PRE-SEASON

- o 543 pre-season lap swim visits in May
- o 46 children are registered for Pre-Season Swim Lessons

<u>CERTIFICATION PROGRAMS</u>

• 152 individuals have taken a certification class in May (Lifeguard, Swim Instructor and/or Babysitters Training)

THE AQUATICS PROGRAM IS FULLY STAFFED AND EXCITED FOR SUMMER! All Pools Open June 17

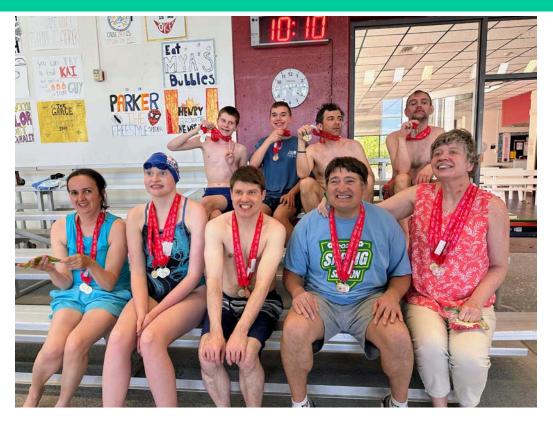


SPRING/SUMMER RECREATION HIGHLIGHTS

THERAPEUTIC RECREATION:

- TRS Spring 33 programs with 424 registrations!
- Headsup Hockey Tournament donated \$1,000 for the TRS Ice Skating Program.
- TRS saw 2,200 volunteer hours in Q1!





• Pictured: Blue Dolphin Medal Winners