Special Meeting - Spokane Design Review Board

Wednesday, January 15, 2020
5:30 – 8:30 PM
City Hall Tribal Conference Room
808 W Spokane Falls Blvd, Spokane, WA 99201

TIMES GIVEN ARE AN ESTIMATE AND ARE SUBJECT TO CHANGE

	Board Briefing Session:	
5:30 – 5:45	1. Chair Report 2. Secretary Report • Update on New Design Guidelines Project • Update on Presentation to CA	Kathy Lang Dean Gunderson
	Board Business:	
5:45 – 6:00	1. Approve 12/18/2019 meeting minutes 2. Old Business 3. New Business • Board Chair Election • Interview Committee Selection 4. Changes to agenda?	Kathy Lang
	Workshops:	
6:00 –7:15	1. Shaw Middle School – Recommendation Meeting • Staff Report..... 5-10 m • Applicant Presentation..... 10-15 m • Reserved for Public Comment (3 m ea.)..... 20 m • Board Discussion and Advisory Action(s)..... 30 m	Taylor Berberich
7:15 – 8:30	2. Glover Middle School – Recommendation Meeting • Staff Report..... 5-10 m • Applicant Presentation..... 10-15 m • Reserved for Public Comment (3 m ea.)..... 20 m • Board Discussion and Advisory Action(s)..... 30 m	Taylor Berberich
	Adjournment:	
The next DRB meeting will be held on Wednesday, January 22, 2020		

The password for City of Spokane Guest Wireless access has been changed:
Username: COS Guest
Password: 8tx59C5r

AMERICANS WITH DISABILITIES ACT (ADA) INFORMATION: The City of Spokane is committed to providing equal access to its facilities, programs and services for persons with disabilities. The Council Chambers and the Council Briefing Center in the lower level of Spokane City Hall, 808 W. Spokane Falls Blvd., are both wheelchair accessible. The Council Briefing Center is equipped with an audio loop system for persons with hearing loss. The Council Chambers currently has an infrared system and headsets may be checked out by contacting the meeting organizer. Individuals requesting reasonable accommodations or further information may call, write, or email Human Resources at 509.625.6363, 808 W. Spokane Falls Blvd, Spokane, WA, 99201; or msteinolfson@spokanecity.org. Persons who are deaf or hard of hearing may contact Human Resources through the Washington Relay Service at 7-1-1. Please contact us forty-eight (48) hours before the meeting date.

Meeting Procedure - Spokane Design Review Board

Call to Order

- Chair calls the meeting to order, noting the date and time of the meeting.
- Chair asks for roll call for attendance.

Board Briefing

- Chair Report – Chair gives a report.
- Secretary Report – Sr. Urban Designer gives a report.

Board Business

- Meeting Minutes - Chair asks for comments on the minutes of the last meeting; Asks for a motion to approve the minutes.
- Chair asks is there any old business? Any old business is discussed.
- Chair asks is there any new business? Any new business is discussed.
- Chair asks if there any changes to the agenda.

Board Workshop

- Chair announces the first project to be reviewed and notes the following: a) the Board will consider the design of the proposal as viewed from the surrounding public realm; b) the Board does not consider traffic impacts in the surrounding area or make recommendations on the appropriateness of a proposed land use; c) the Board will not consider un-permitted, possible surrounding development(s) except those which are contemplated under the Comprehensive Plan and Development Code; c) it is the applicant's responsibility to meet all applicable Code requirements regardless of what might be presented or discussed during workshops.
- Chair asks for a staff report.

Staff Report

- Staff report on the item, giving findings of fact. Presentation will be kept to 5-10 minutes.

Applicant Presentation

- Chair invites the applicant(s) to sit at the table and invites the applicant to introduce the project team and make a 10-15 minute presentation on the project.

*Public Comment **

- Chair asks if there are comments from other interested parties – comments shall be kept to 3 minutes, and confined to the design elements of the project.
- Chair reads any written comments submitted by interested citizens.

** Contact Planning Department staff after the meeting for additional opportunities to comment on the proposal.*

DRB Clarification

- Chair may request clarification on comments.

Design Review Board Discussion

- Chair will ask the applicants whether they wish to respond to any public comments, after their response (if any) they are to return to their seats in the audience.
- The Chair will formally close public comments.
- Chair leads discussion amongst the DRB members regarding the staff recommendations, applicable design criteria, identification of key issues, and any proposed design departures.

Design Review Board Motions

- Chair asks whether the DRB is ready to make a motion.
- Upon hearing a motion, Chair asks for a second. Staff will record the motion in writing.
- Chair asks for discussion on the motion.
- Chair asks the applicant if they would like to respond to the motion.
- After discussion, Chair asks for a vote.

Design Review Board Follow-up

- Applicant is advised that they may stay or leave the meeting.
- Next agenda item announced.

Other

- Chair asks board members and audience if there is anything else.

Adjourn

- Chair asks for a motion to adjourn. After the motion is seconded, and approved by vote, Chair announces that the meeting is adjourned, noting the time of the adjournment.

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Design Review Board – Meeting Minutes Draft

December 18, 2019
City Council Briefing Center
Meeting called to order at 5:30 PM by Steven Meek

Attendance:

- *Board Members Present:* Chad Schmidt, Anne Hanenburg, Steven Meek (Chair), Ted Teske, Mark Brower, Chuck Horgan (Arts Commission Liaison) – Grant Keller arrived at 5:36.
- *Board Members Not Present:* Kathy Lang (Vice-Chair & CA Liaison)
- *Quorum Present:* Yes
- *Staff Members Present:* Dean Gunderson, Taylor Berberich

Briefing Session:

Chair Report – Steven Meek

- None

Secretary Report – Dean Gunderson

- Gave an update on New Design Guidelines Process
- Final Call for Nominations- currently there are three: Ted Teske, Mark Brower, and Kathy Lang and the election will occur on 1/15/2020
- Thanked Steven Meek for his service on the Design Review Board as his term ends on 12/31/2019.

Board Business:

Approval of Minutes: Minutes from the December 11, 2019 meeting approved unanimously.

Old Business:

- None

New Business:

- None

Changes to Agenda:

- None

** Chuck Horgan recused himself from workshop, since he works for the architecture firm handling the Collaborative Workshop project.

Workshops:

1. **Collaborative Workshop for** Papillon Development
   - Staff Report: Taylor Berberich
   - Applicant Presentation: Gary Bernardo (Bernardo | Wills)
   - Questions asked and answered
   - Discussion ensued

Based on review of the materials submitted by the applicant and discussion during the December 18, 2019 Collaborative Workshop the Design Review Board recommends the following advisory actions:

Neighborhood

1. The board appreciates the applicant's desire to create a more pedestrian friendly crossing at the "Cataldo Alley" and Howard Street crossing, and encourages them to continue to work with the appropriate city departments to implement a context sensitive, pedestrian friendly, traffic calming streetscape (e.g., speed table, integral colored concrete, bulb-outs, etc.).

***Please see the following Comprehensive Plan Goals and Policies**: LU 1.9 Downtown Land Use, LU 2.1 Public Realm Features, LU 4.4 Connections, TR Goal A: Promote a Sense of Place, TR 1 Transportation Network for All Users, TR 5 Active Transportation, TR13 Infrastructure Design, TR 15 Activation, DP 2.5 Character of the Public Realm, DP 2.6 Building and Site Design, DP 4.2 Street Life, NE 13.1 Walkway and Bicycle Path System, NE 13.2 Walkway and Bicycle Path Design, NE 13.3 Year-Round Use, and PRS 2.2 Access to Open Space and Park Amenities.*

***Please see the following Downtown Plan Strategies:** 2.2 Built Form and Character, 2.3 Multi-Modal Circulation and Parking, and 2.4 Open Space, Public Realm and Streetscapes.*

***Please see the following Downtown Design Guidelines:** A-1 Respond to the Physical Environment, B-1 Respond to the Neighborhood Context, C-1 Promote Pedestrian Interaction, C-7 Install Pedestrian-Friendly Materials at Street Level, and D-7 Design for Personal Safety and Security.*

2. The applicant shall return with a comprehensive wayfinding package to include hardscapes, edge conditions, signage, etc.

***Please see the following Comprehensive Plan Goals and Policies**: LU 1.9 Downtown Land Use, LU 2.1 Public Realm Features, LU 4.4 Connections, TR Goal A: Promote a Sense of Place, TR 5 Active Transportation, TR 13 Infrastructure Design, TR 15 Activation, DP 2.5 Character of the Public Realm, DP 2.6 Building and Site Design, DP 4.2 Street Life, NE 13.1 Walkway and Bicycle Path System, NE 13.2 Walkway and Bicycle Path Design, and NE 13.3 Year-Round Use.*

***Please see the following Downtown Plan Strategies:** 2.2 Built Form and Character, 2.3 Multi-Modal Circulation and Parking, and 2.4 Open Space, Public Realm and Streetscapes.*

***Please see the following Downtown Design Guidelines:** A-1 Respond to the Physical Environment, B-1 Respond to the Neighborhood Context, B-3 Reinforce the Urban Form and Architectural Attributes of the Immediate Area, C-1 Promote Pedestrian Interaction, C-4 Reinforce Building Entries, C-7 Install Pedestrian-Friendly Materials at Street Level, D-5 Provide Appropriate Signage, and D-7 Design for Personal Safety and Security.*

Site

3. The applicant is encouraged to develop a gateway treatment for the Howard Street entrance of “Cataldo Alley.”

***Please see the following Comprehensive Plan Goals and Policies**: LU 2.1 Public Realm Features, LU 4.4 Connections, TR Goal A: Promote a Sense of Place, TR 15 Activation, DP 2.5 Character of the Public Realm, DP 2.6 Building and Site Design, and DP 4.2 Street Life.*

***Please see the following Downtown Plan Strategies:** 2.2 Built Form and Character, and 2.4 Open Space, Public Realm and Streetscapes.*

***Please see the following Downtown Design Guidelines:** C-1 Promote Pedestrian Interaction, C-6 Develop Alley Facades, D-4 Provide Elements that Define the Place, and D-5 Provide Appropriate Signage.*

4. The board supports the Parks Department’s further exploration of the public/private development of the Papillon South interaction & interface with the north end of the park promenade (including any necessary agreements).

***Please see the following Comprehensive Plan Goals and Policies**: LU 1.9 Downtown Land Use, LU 2.1 Public Realm Features, LU 4.4 Connections, TR Goal A: Promote a Sense of Place, TR 1 Transportation Network for All Users, TR 5 Active Transportation, TR 13 Infrastructure Design, TR 15 Activation, DP 2.5 Character of the Public Realm, DP 2.6 Building and Site Design, DP 4.2 Street Life, NE 13.1 Walkway and Bicycle Path System, NE 13.2 Walkway and Bicycle Path Design, NE 13.3 Year-Round Use, and PRS 2.2 Access to Open Space and Park Amenities.*

***Please see the following Downtown Plan Strategies:** 2.1 Economic Development 2.2 Built Form and Character, 2.3 Multi-Modal Circulation and Parking, and 2.4 Open Space, Public Realm and Streetscapes.*

***Please see the following Downtown Design Guidelines:** A-1 Respond to the Physical Environment, C-1 Promote Pedestrian Interaction, C-7 Install Pedestrian-Friendly Materials at Street Level, D-1 Provide Inviting and Usable Open Space, D-4 Provide Elements that Define the Place, and D-7 Design for Personal Safety and Security.*

5. The applicant shall return with further development of the 3D/topographical study of the pedestrian interface between the two proposed buildings and the Sportsplex, Cataldo Alley, and the plaza east of the north tower. Particular attention should be paid to:

a. Boulder wall/transitions
b. Pathways
c. Lighting
d. Surface material
e. Landscape treatment at the boulder walls

***Please see the following Comprehensive Plan Goals and Policies**: LU 1.9 Downtown Land Use, LU 2.1 Public Realm Features, LU 4.4 Connections, TR Goal A: Promote a Sense of Place, TR 1 Transportation Network for All Users, TR 5 Active Transportation, TR 15 Activation, DP 2.5 Character of the Public Realm, DP 2.6 Building and Site Design, DP 4.2 Street Life, NE 13.1 Walkway and Bicycle Path System, NE 13.2 Walkway and Bicycle Path Design, NE 13.3 Year-Round Use, and PRS 2.2 Access to Open Space and Park Amenities.*

***Please see the following Downtown Plan Strategies**: 2.2 Built Form and Character and 2.4 Open Space, Public Realm and Streetscapes.*

***Please see the following Downtown Design Guidelines:** A-1 Respond to the Physical Environment, B-1 Respond to the Neighborhood Context, B-3 Reinforce the Urban Form and Architectural Attributes of the Immediate Area, C-1 Promote Pedestrian Interaction, D-1 Provide Inviting and Usable Open Space, D-2 Enhance the Building with Landscaping, D-4 Provide Elements that Define the Place, and D-6 Provide Attractive and Appropriate Lighting.*

6. The applicant is encouraged to collaborate with the Sportsplex team to determine if the parking and loading area will be secured, to ensure the aesthetic of any security measures shall be consistent with the pedestrian vocabulary of “Cataldo Alley.”

***Please see the following Comprehensive Plan Goals and Policies**: LU 2.1 Public Realm Features, LU 3.5 Mix of uses in Centers, LU 4.4 Connections, LU 5.5 Off-Site Impacts, TR Goal A: Promote a Sense of Place, TR 1 Transportation Network for All Users,*

***Please see the following Downtown Plan Strategies:** 2.2 Built Form and Character, 2.3 Multi-Modal Circulation and Parking, and 2.4 Open Space, Public Realm and Streetscapes.*

Please see the following Downtown Design Guidelines: *A-1 Respond to the Physical Environment, C-1 Promote Pedestrian Interaction, D-7 Design for Personal Safety and Security, and E-3 Minimize the Presence of Service Areas.*

Building

7. The board supports the proposed open first floor market concept of the South Tower.

Please see the following Comprehensive Plan Goals and Policies*: LU 1.9 Downtown Land Use, LU 4.4 Connections, TR Goal A: Promote a Sense of Place, DP 2.5 Character of the Public Realm, and DP 2.6 Building and Site Design.*

Please see the following Downtown Plan Strategies: *2.1 Economic Development 2.2 Built Form and Character, and 2.4 Open Space, Public Realm and Streetscapes.*

Please see the following Downtown Design Guidelines: *B-1 Respond to the Neighborhood Context, C-1 Promote Pedestrian Interaction, and D-4 Provide Elements that Define the Place.*

8. The applicant is encouraged to consider the project's impact to Spokane's skyline when developing the project's mass and aesthetic.

Please see the following Comprehensive Plan Goals and Policies*: LU 2.1 Public Realm Features, DP 2.5 Character of the Public Realm, and DP 2.6 Building and Site Design.*

Please see the following Downtown Plan Strategy: *2.2 Built Form and Character.*

Please see the following Downtown Design Guidelines: *A-2 Enhance the Skyline, C-2 Design Facades at Many Scales, and D-4 Provide Elements that Define the Place.*

9. The applicant is encouraged to consider transitional architectural language between the pedestrian spaces at ground level and on the facades of both proposed buildings.

Please see the following Comprehensive Plan Goals and Policies*: LU 2.1 Public Realm Features, LU 5.5 Compatible Development, TR Goal A: Promote a Sense of Place, DP 2.6 Building and Site Design, and DP 4.2 Street Life.*

Please see the following Downtown Plan Strategy: *2.2 Built Form and Character.*

Please see the following Downtown Design Guidelines: *A-1 Respond to the Physical Environment, B-3 Reinforce the Urban Form and Architectural Attributes of the Immediate Area, B-4 Design a Well-proportioned and Unified Building, C-7 Install Pedestrian-Friendly Materials at Street Level, D-2 Enhance the Building with Landscaping, D-3 Respect Historic Features that Define Spokane, and D-4 Provide Elements that Define the Place.*

10. The applicant shall explore the architectural interaction between the adjacent existing buildings affected by the new development.

Please see the following Comprehensive Plan Goals and Policies*: LU 5.5 Compatible Development, and DP 2.6 Building and Site Design.*

Please see the following Downtown Plan Strategy: *2.2 Built Form and Character.*

Please see the following Downtown Design Guidelines: *A-1 Respond to the Physical Environment, B-2 Create Transitions in Bulk and Scale, B-3 Reinforce the Urban Form and Architectural Attributes of the Immediate Area, B-4 Design a Well-proportioned and Unified Building, D-3 Respect Historic Features that Define Spokane, and D-4 Provide Elements that Define the Place.*

*** These Advisory Actions were unanimously approved by the Design Review Board. (2:38.10)*

Meeting Adjourned at 8:10 PM

Next Design Review Board Meeting scheduled for Wednesday, January 15, 2020

City of Spokane Design Review Board

Ballot for Chair - 2020

Nominee	**Vote** (select one)
Mark Brower	☐
Kathy Lang	☐
Ted Teske	☐

DESIGN REVIEW BOARD FILE NO.DRB 1929

Shaw Middle School

2 – RECOMMENDATION MEETING

Design Review Staff Report January 8, 2020

Staff:
Dean Gunderson, Senior Urban Designer

Taylor Berberich, Urban Designer

Neighborhood & Planning Services
808 W. Spokane Falls Blvd.
Spokane, WA 99201

Applicants:

Spokane School District #81

Ty Miller, Integrus Architecture
tmiller@integrusarch.com
509-

Background

The Design Review Board Collaborative Workshops were held on November 13, 2019.

The following materials are supplemental to this report:

- *Design Review Staff Report | Program Review/Collaborative Workshop, October 21, 2019.*
- *Design Review Board | Collaborative Workshop Advisory Actions,* November 13, 2019*;*
- *Correspondence | Clarifying email between staff and applicant January 6, 2020.*

Topics for Discussion

During the workshop, the applicant is encouraged to please describe changes to the design since the Collaborative Workshop including any changes made in response to recommendations offered by the Design Review Board on November 13, 2019 as follows (Applicant responses are in *blue italics*, further staff comments are in *green italics*):

1. The board encourages the applicant to work with relevant approval authorities to secure funding for pedestrian improvements along Cook Street to provide pedestrian emphasis, traffic calming, and connectivity to the Northeast Community Center.

   Meetings with SPS, SPL, City of Spokane, STA, WSDOT, NECC, the Hillyard and Bemiss Neighborhood councils, Regal Elementary, New Tech, OTA and Shaw are ongoing. We are working with the city to establish a design and schedule as to minimize the amount of impact should any sequencing of construction activities be required.

2. Should funding for Cook Street improvements not be procured, the applicant shall provide detail of pedestrian pathways north to Rich Street.

   A full pedestrian pathway on the East side has been provided the entire length of Cook Street.

3. The applicant is encouraged to provide additional detail and design to support pedestrian connectivity between the new enhanced bus stop (near the Empire and Cook intersection) and the library, as well as the Newtech and On-Track facilities.

   Accommodations for the new STA plaza will be incorporated as Cook street improvements occur, the widened pathway from the bus stop, street trees, and lighting have been incorporated.

4. The applicant is encouraged to provide buffering between the SPS facilities parking lot and the bus route service drive.

   A landscaping buffer of trees and bushes will be provided to help soften and screen this edge.

5. The applicant is encouraged to continue the warmth expressed in the architecture through to the landscape, in order to further provide a sense of security and comfort to students and patrons.

   Throughout the design of the campus the concept of the "railroad" has revealed itself both on the interior through experiential graphics but also connecting to the community of Hillyard in its roots of "Hill's Yard" harkening back to the original railroad. This theme is continued through the use of colored concrete as abstracted ties and inlaid steel 'tracks' in the exterior courtyards.

   Student selected play structures, bench seating, and covered sitting areas will also be provided.

6. The applicant shall provide clarification into the circulation through and around the bus drive aisle, particularly in regard to the parking at the east end of the drive aisle.

   The varying start times of New Tech, OTA and Shaw MS will allow for circulation of buses.

   Further Staff Comment: Does the board find the information pertaining to the varied start times provides sufficient insight into the circulation through the bus drive aisle?

7. The applicant shall show pedestrian connections through the parking lots in accordance with the Spokane Municipal Code Institutional Design Standard 17C.110.540 Pedestrian Connections in Parking Lots.

   This has been updated.

   Additional Applicant Comments:

   We will be hiring a signage consultant to help with campus master plan orientation and wayfinding.

Additional Information

Staff emailed the applicant several follow-up questions after reviewing the project submittal. The applicant clarified the purpose of the gate in the fire lane, pedestrian circulation between On-Track and Newtech, ADA routes, parking reconfiguration, and rooftop mechanical screening. The full email chain can be found attached at the end of this staff report.

Note

The recommendation of the Design Review Board does not alleviate any requirements that may be imposed on this project by other City Departments including the Current Planning Section of Planning and Development Services.

Policy Basis

Spokane Municipal Codes
City of Spokane Comprehensive Plan
Public Project Design Guidelines

Berberich, Taylor

From: Ty Miller <tmiller@integrusarch.com>
Sent: Monday, January 6, 2020 4:03 PM
To: Berberich, Taylor
Cc: Mike Keenan; Greg Forsyth
Subject: FW: Staff Questions for Shaw Middle School/ On-Track

[CAUTION - EXTERNAL EMAIL - Verify Sender]

Hi Taylor! Happy New Year to you too! Please see responses below IN ORANGE. Let me know if any of them need further clarification.

Thank you!!!

Ty

Ty Miller
LEED® AP BD&C, Associate
tmiller@integrusarch.com

Integrus Architecture
10 S. Cedar
Spokane, WA 99201
509.838. 2194| fax
509.838.8681 | office

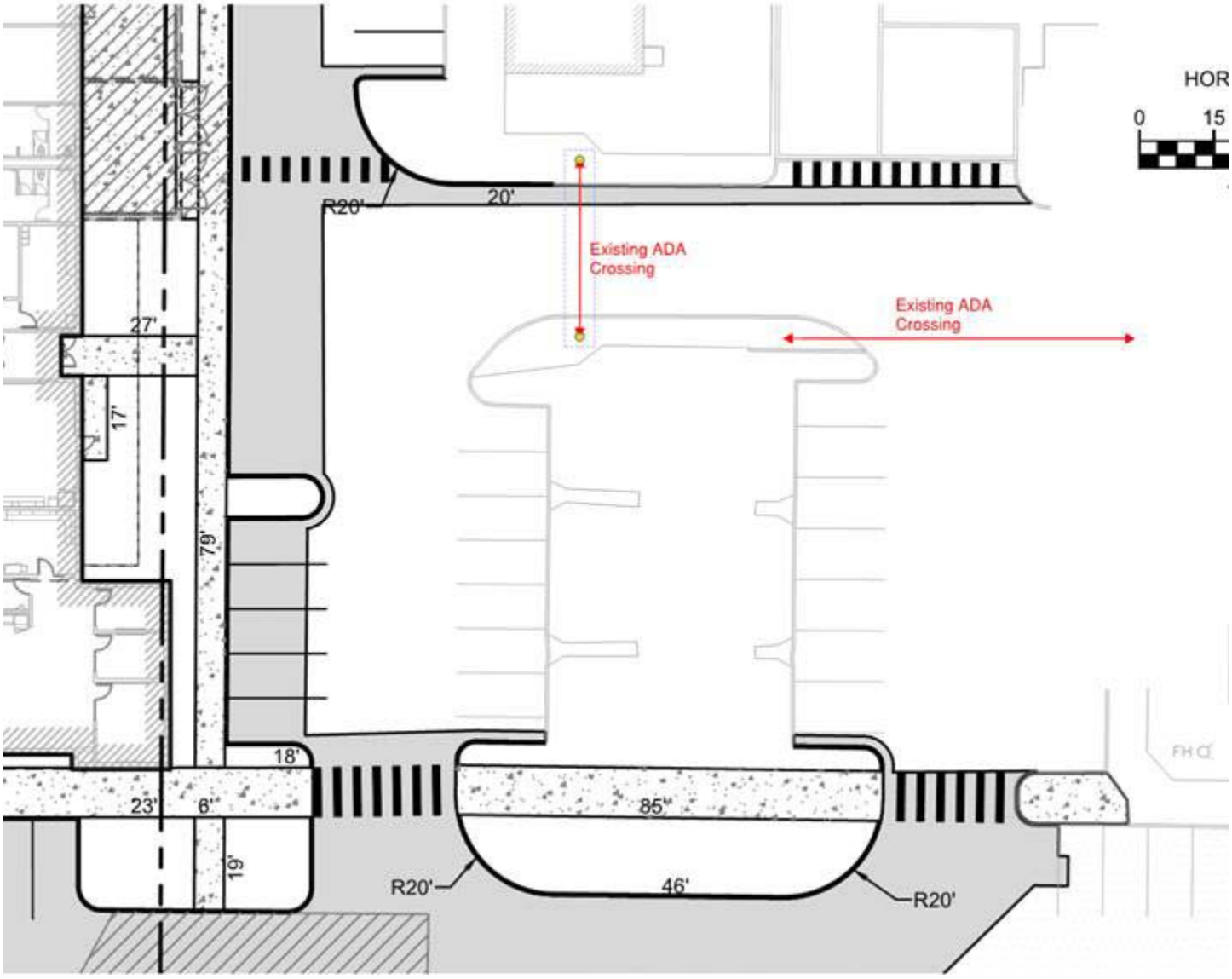
integrusarch.com

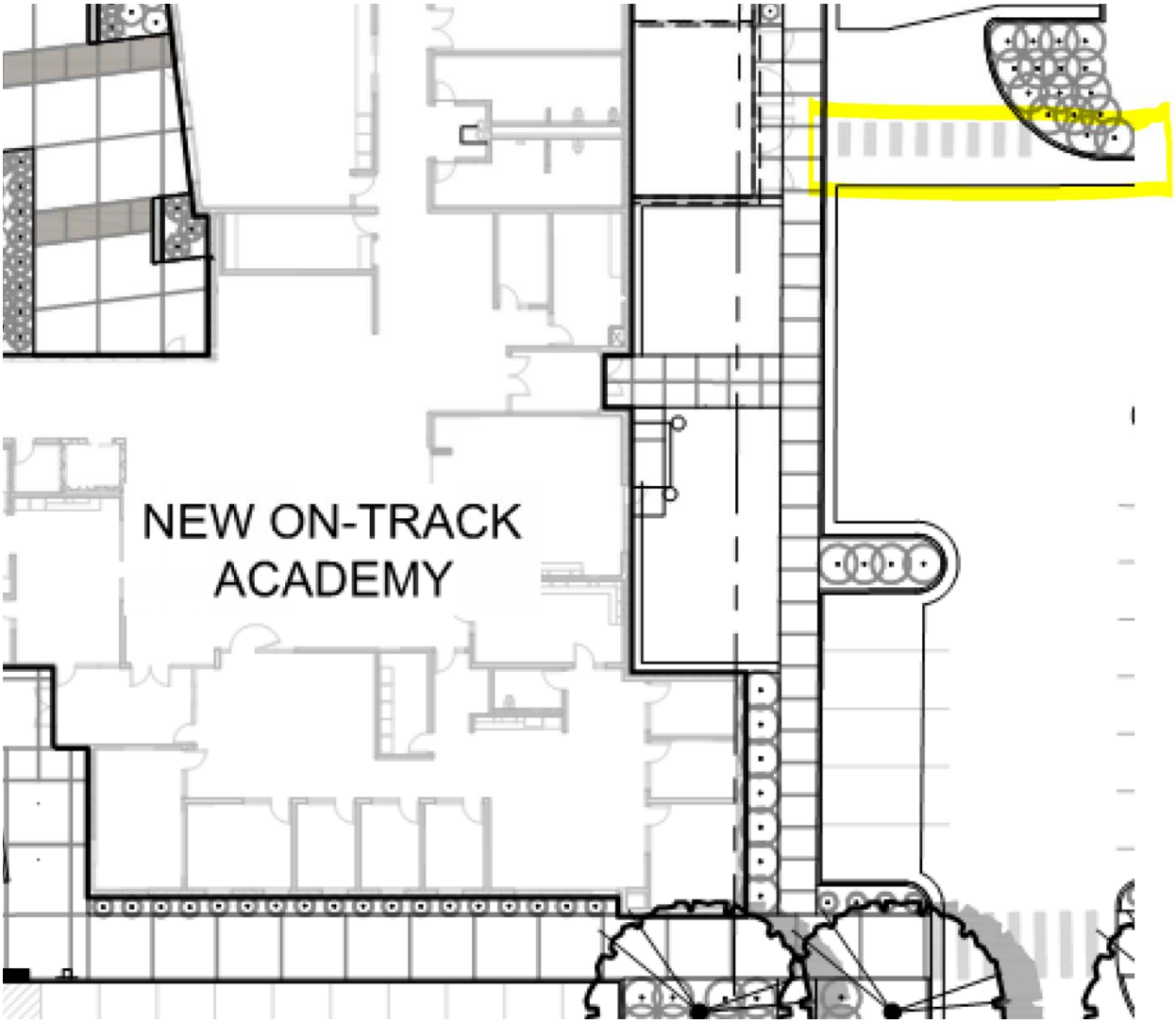
From: Berberich, Taylor <tberberich@spokanecity.org>
Sent: Friday, January 3, 2020 10:26 AM
To: Ty Miller <tmiller@integrusarch.com>
Cc: Gunderson, Dean <dgunderson@spokanecity.org>
Subject: Staff Questions for Shaw Middle School/ On-Track

Good Morning Ty,

Happy New Year, I hope your holidays went well! Dean and I have reviewed the submittal for next week's meeting and compiled a few questions. Please take a moment to look them over and shoot back responses before the end of the day on Monday, January 6th. I will be circulating the staff report for internal review Tuesday morning, so if I have your responses before then I can incorporate them into the draft. Please see the list below:

- What is the purpose of the gate in the bus lane between the NEWTech site and On-Track? **This drive is for bus pick up and drop off, fire and service access only. The gates are to prevent any unauthorized traffic from entering.**
- Can you explain the route through the north/south drive aisle between the new On-Track Academy and the NewTech facility? We are having difficulty understanding the circulation through that area**. The parking and drive aisle were flipped to provide fire access directly adjacent to OTA while still maintaining the necessary parking stalls for SPS and New Tech. The rest of the parking area to the north will remain untouched.**
- It appears one of the crosswalks (see image below) directs pedestrian traffic into a landscape bed, and that there is no intended curb ramp. **Access will be provided through where the plants are shown to the existing sidewalk.** Can you clarify the intended route for this crosswalk and the presence of a curb ramp? **Please see image below. We will be adding an additional bump out with ADA curb cuts to capture students leaving OTA in the same location as the current crossing. There already is an existing ADA crossing from the portables south and then East towards New Tech.**





- It also appears that a portion of the 90-degree parking stalls are flipping sides on the drive aisle, now with front bumper overhangs onto the covered walkway next to the modular classrooms. Is this correct, and is there adequate clearance at the stalls that will front the concrete piers that support the arcade? **We have added wheel stops 1'-6" off edge of the curb. This allows for the required width for fire access while still providing adequate space for parking.**

- Can you confirm that there will be no unscreened rooftop mechanical equipment at Shaw/Library and On-Track?

  The roof top DOAS units will have an integral mechanical screens on both Shaw and OTA.

Thanks very much Ty, feel free to reach out if you have any questions.
Best,

Taylor Berberich
|Urban Designer| 509.625.6193
(She/her) tberberich@spokanecity.org

Berberich, Taylor

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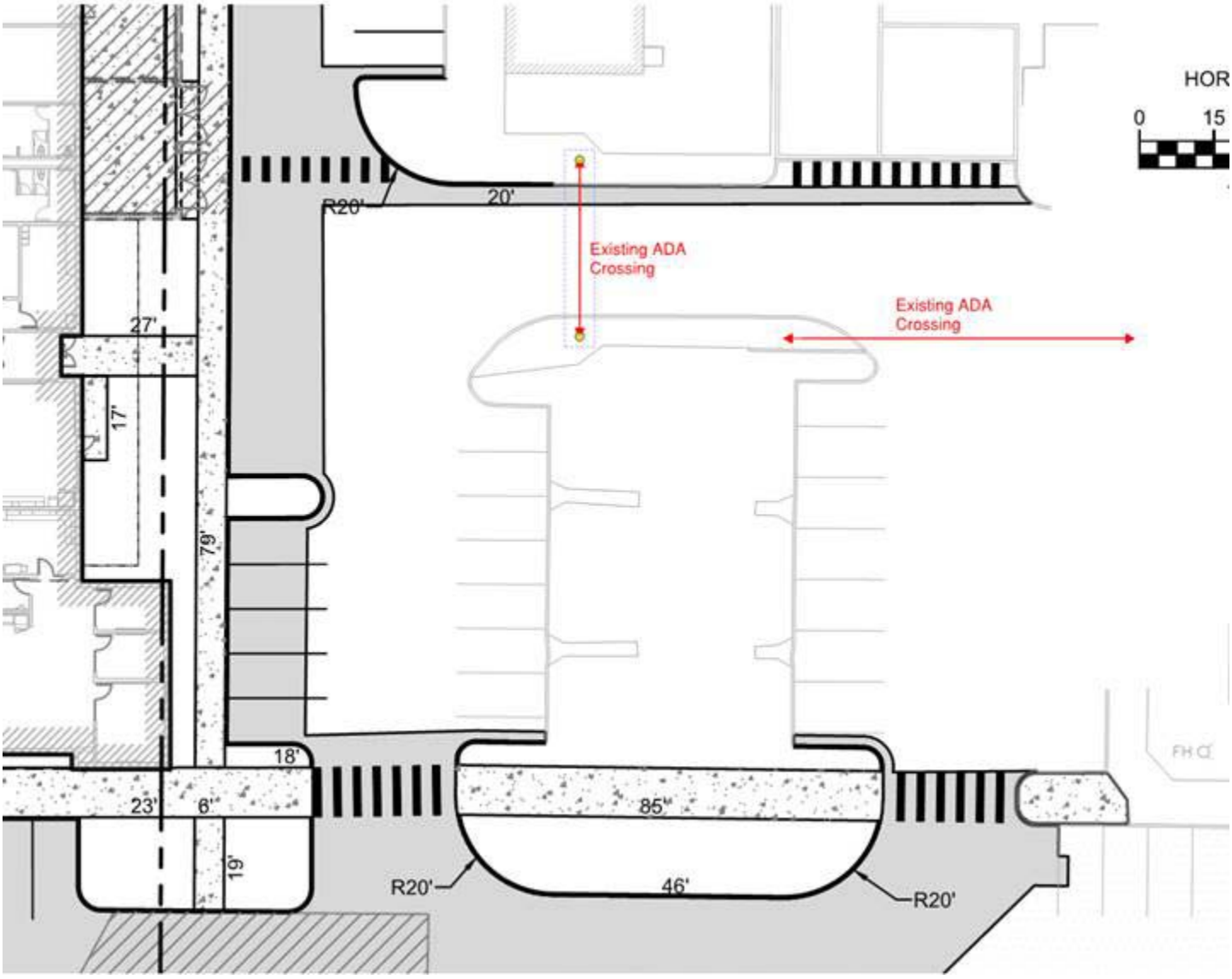

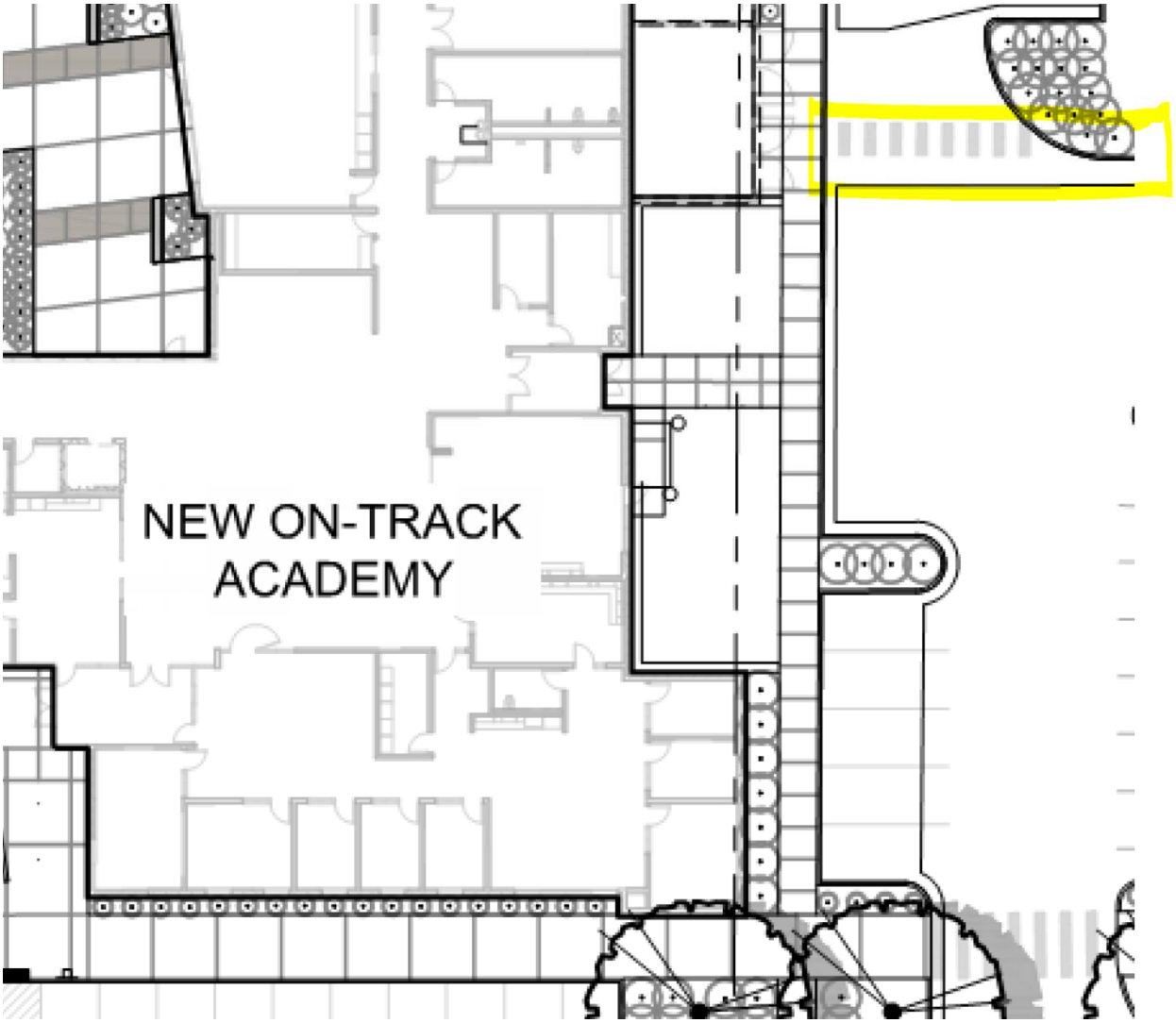

- It also appears that a portion of the 90-degree parking stalls are flipping sides on the drive aisle, now with front bumper overhangs onto the covered walkway next to the modular classrooms. Is this correct, and is there adequate clearance at the stalls that will front the concrete piers that support the arcade? **We have added wheel stops 1'-6" off edge of the curb. This allows for the required width for fire access while still providing adequate space for parking.**

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  The roof top DOAS units will have an integral mechanical screens on both Shaw and OTA.

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Best,

Taylor Berberich
|Urban Designer| 509.625.6193
(She/her) tberberich@spokanecity.org

Neighborhoods

1. **The board encourages the applicant to work with relevant approval authorities to secure funding for pedestrian improvements along Cook Street to provide pedestrian emphasis, traffic calming, and connectivity to the Northeast Community Center.**

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   Accommodations for the new STA plaza will be incorporated as Cook street improvements occur, the widened pathway from the bus stop, street trees, and lighting have been incorporated.

Site

4. **The applicant is encouraged to provide buffering between the SPS facilities parking lot and the bus route service drive.**

   A landscaping buffer of trees and bushes will be provided to help soften and screen this edge.

5. **The applicant is encouraged to continue the warmth expressed in the architecture through to the landscape, in order to further provide a sense of security and comfort to students and patrons.**

   Throughout the design of the campus the concept of the “railroad” has revealed itself both on the interior through experiential graphics but also connecting to the community of Hillyard in its roots of “Hill’s Yard” harkening back to the original railroad. This theme is continued through the use of colored concrete as abstracted ties and inlaid steel ‘tracks’ in the exterior courtyards. Student selected play structures, bench seating, and covered sitting areas will also be provided.

6. **The applicant shall provide clarification into the circulation through and around the bus drive aisle, particularly in regard to the parking at the east end of the drive aisle.**

   The varying start times of New Tech, OTA and Shaw MS will allow for circulation of buses.

7. **The applicant shall show pedestrian connections through the parking lots in accordance with the Spokane Municipal Code Institutional Design Standard 17C.110.540 Pedestrian Connections in Parking Lots.**

   This has been updated.

Further Comments from Design Team

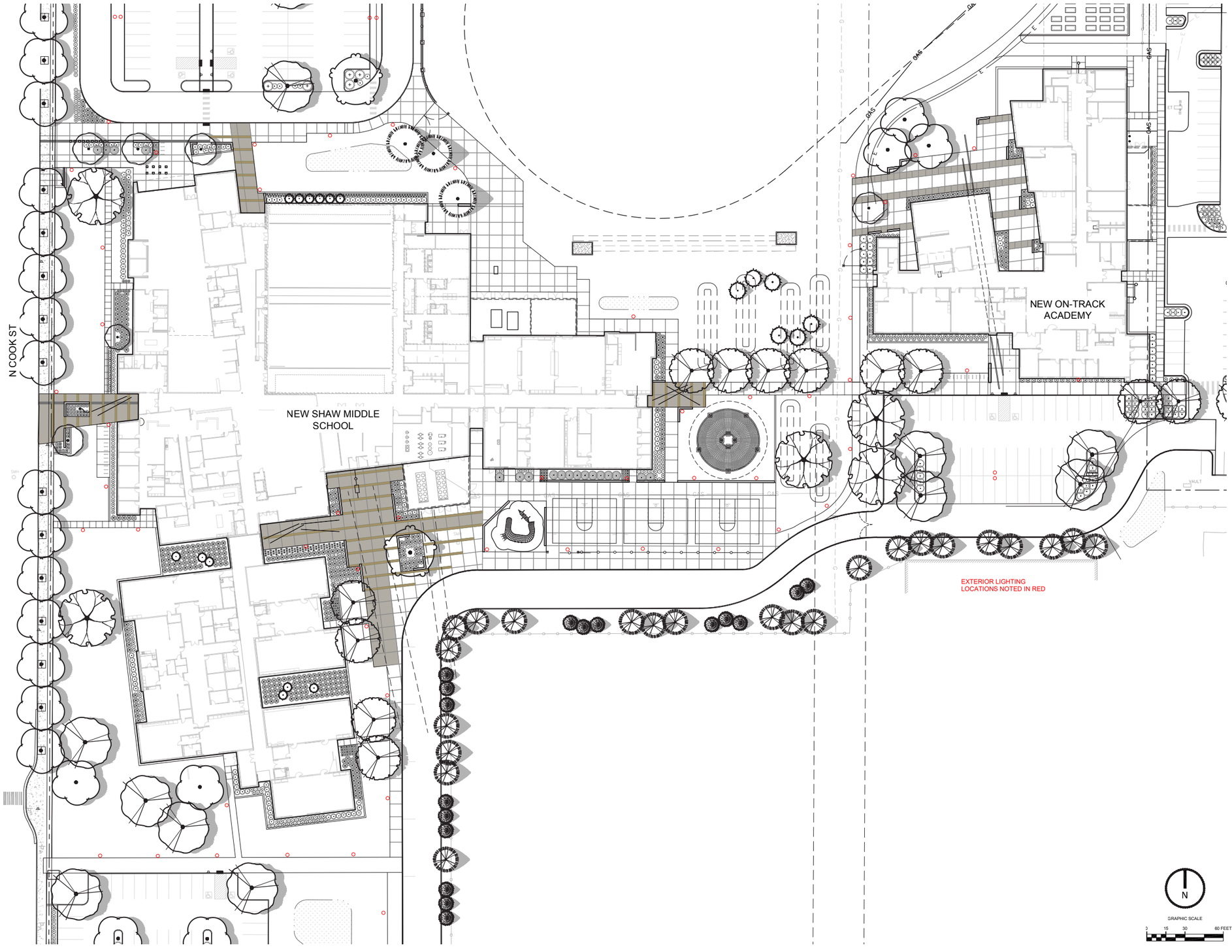
We will be hiring a signage consultant to help with campus master plan orientation and way finding.

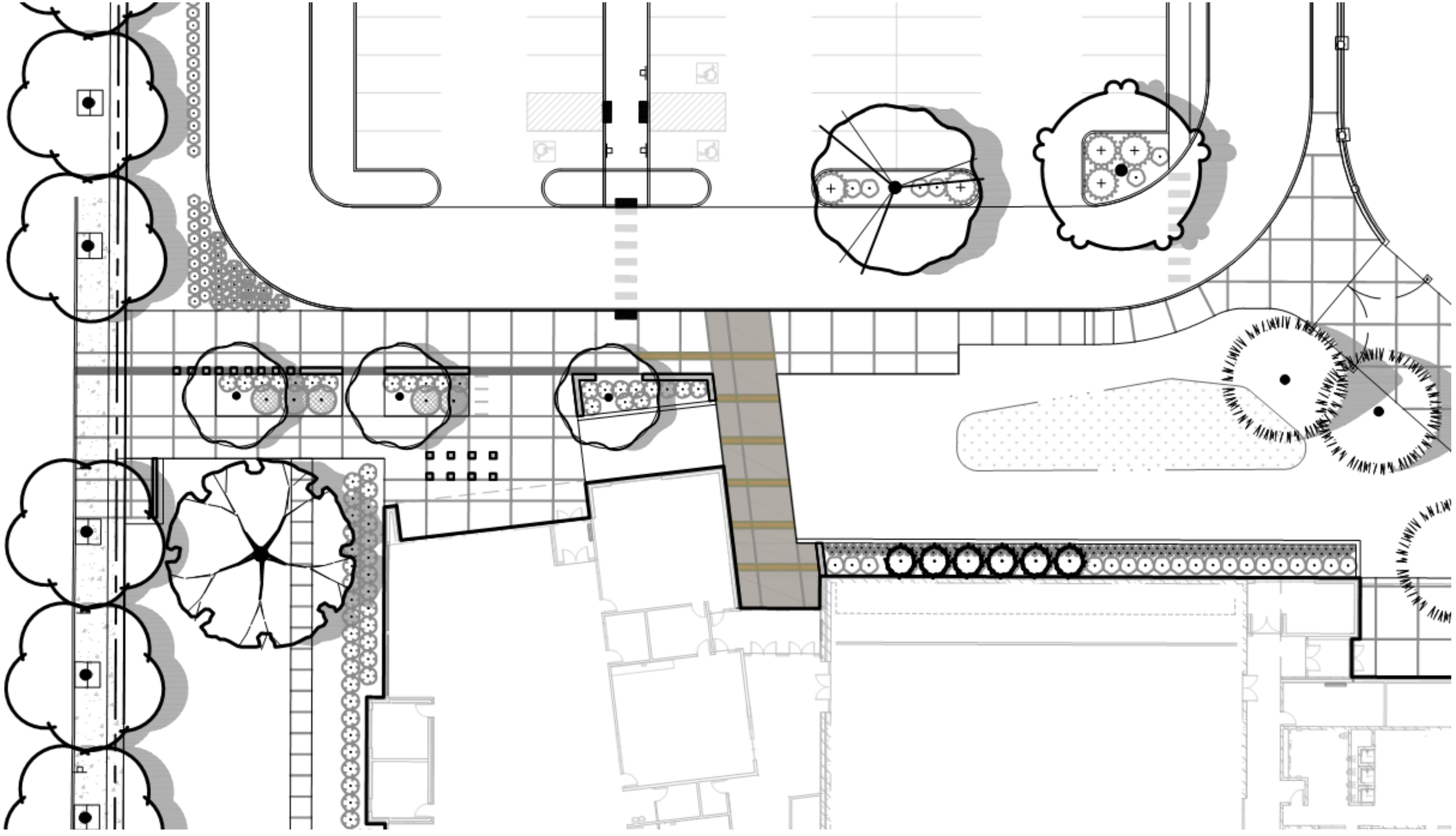
SHAW CAMPUS MASTER PLAN

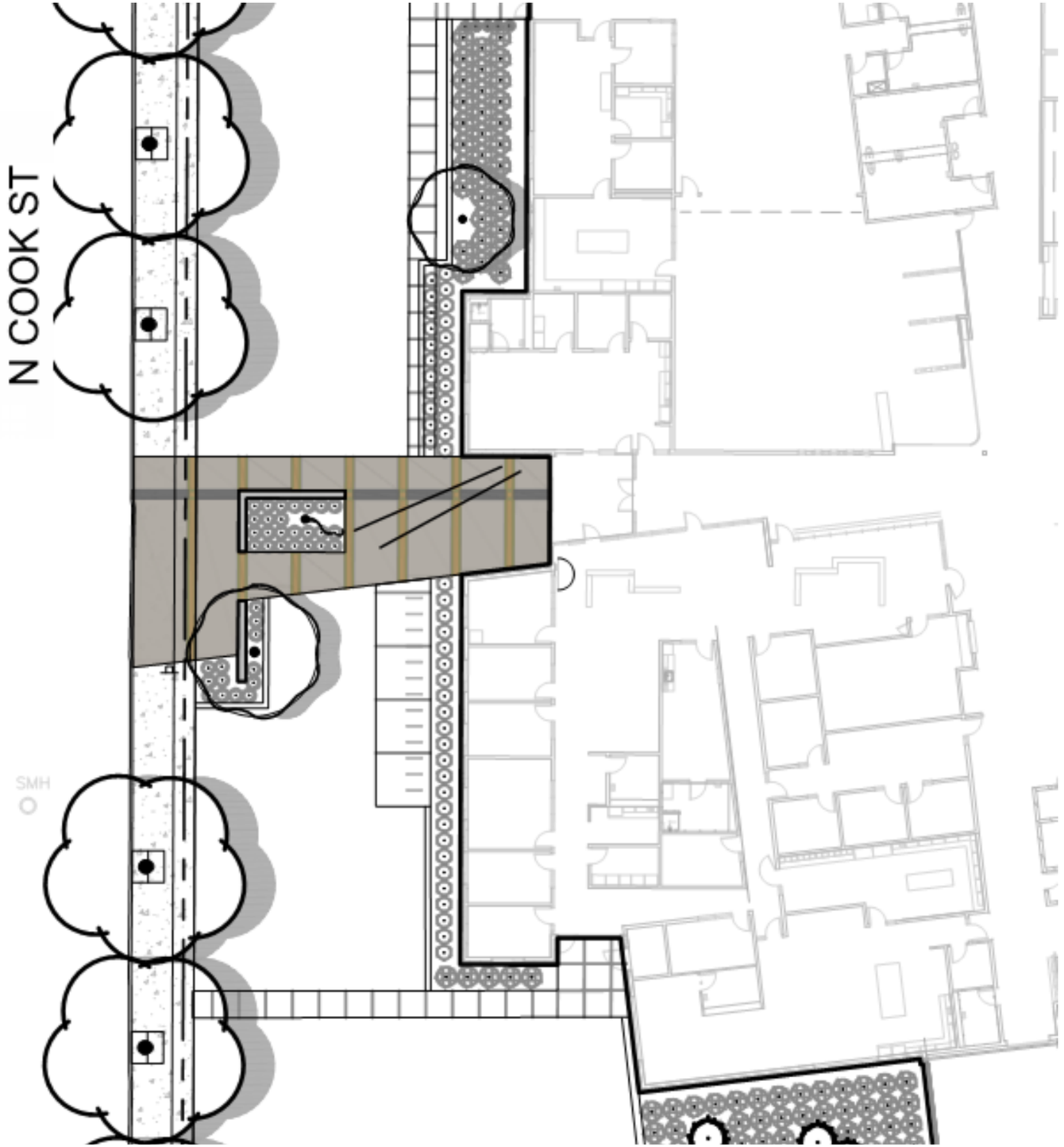
SPOKANE PUBLIC SCHOOLS

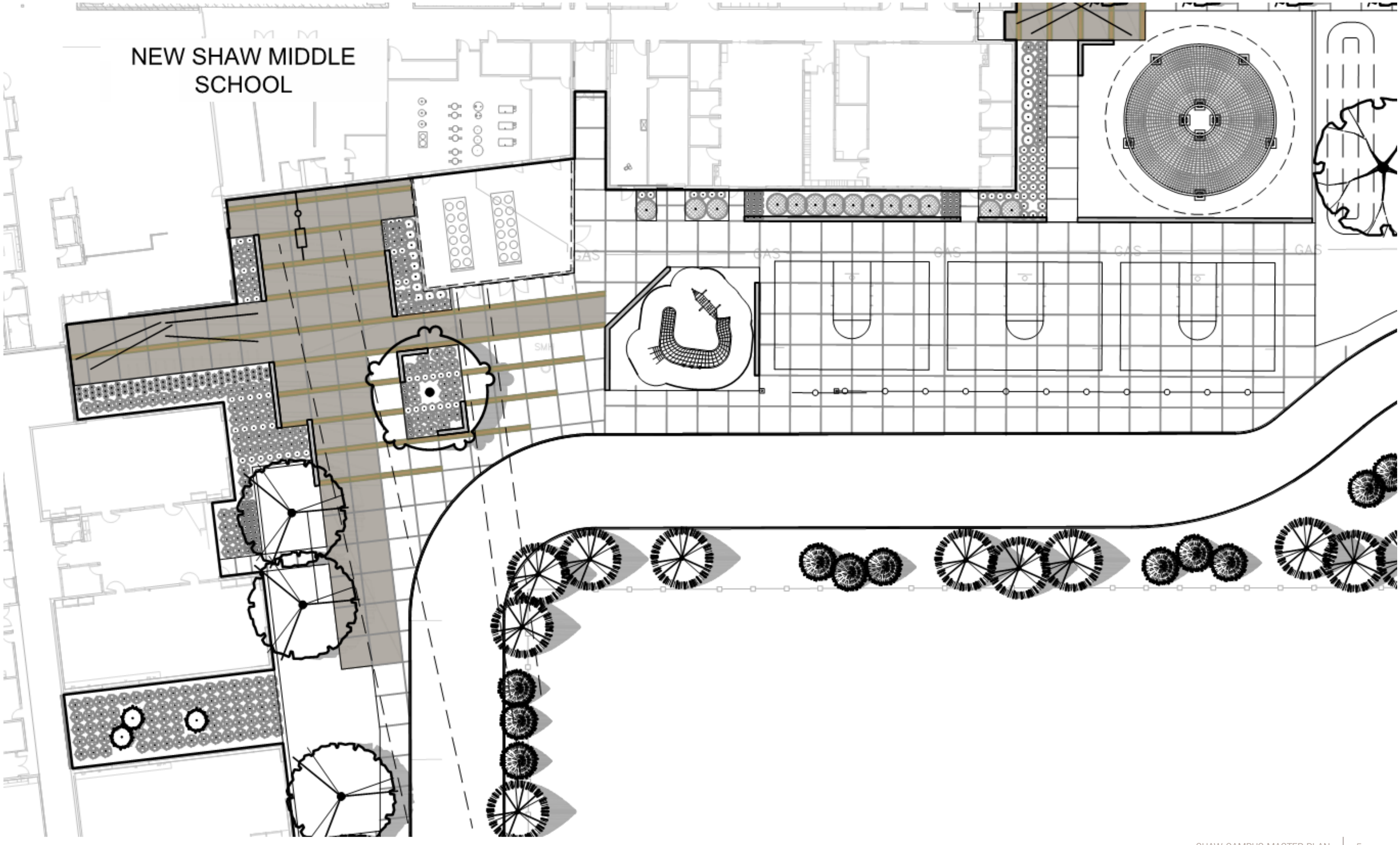
SHAW MIDDLE SCHOOL, ON TRACK ACADEMY
& HILLYARD PUBLIC LIBRARY

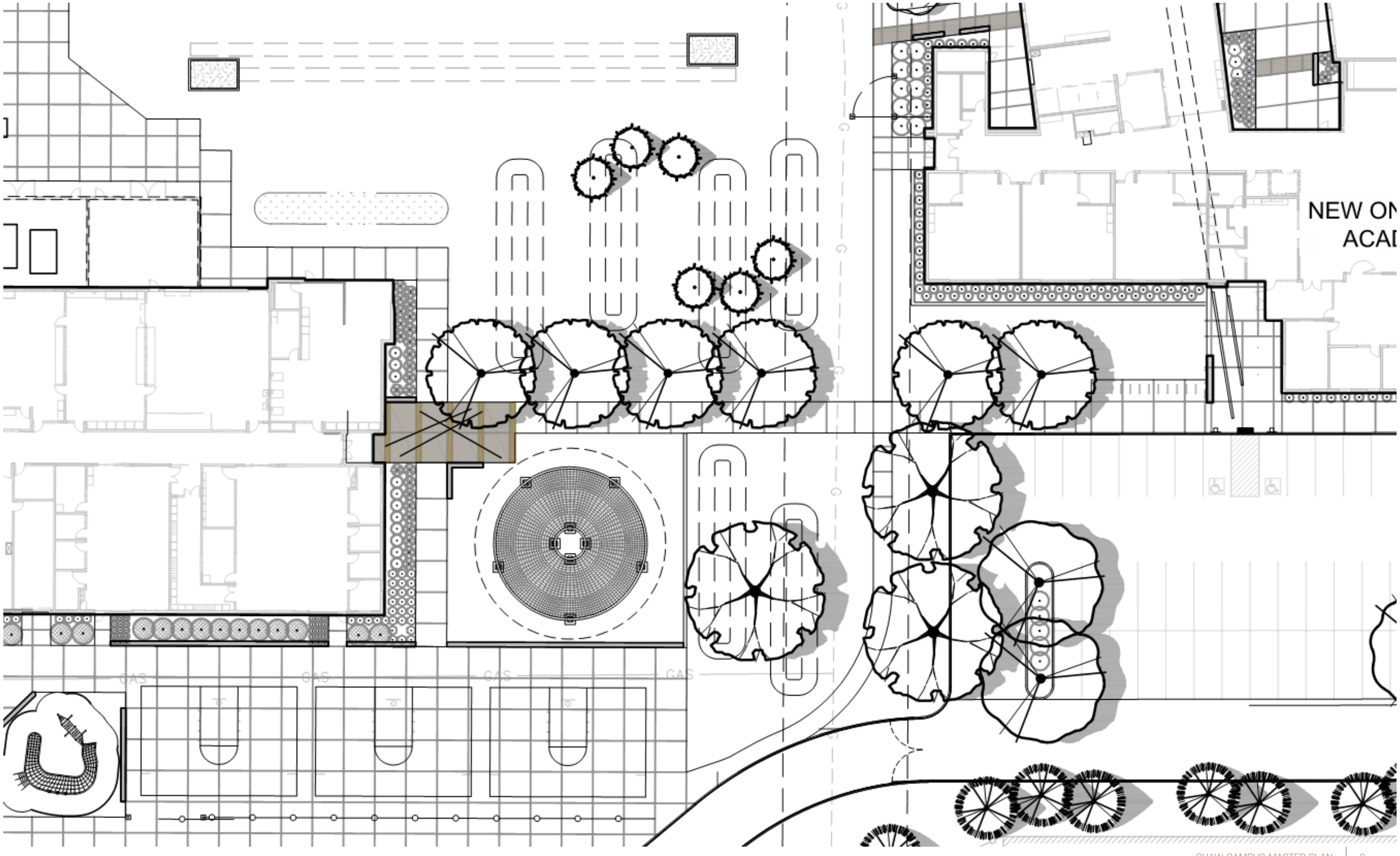
DESIGN REVIEW BOARD RECOMMENDATION MEETING


N COOK ST
NEW SHAW MIDDLE SCHOOL
NEW ON-TRACK ACADEMY
GAS
VAULT
EXTERIOR LIGHTING
LOCATIONS NOTED IN RED
N
GRAPHIC SCALE
0
15
30
60 FEET




N COOK ST
SMH


NEW SHAW MIDDLE
SCHOOL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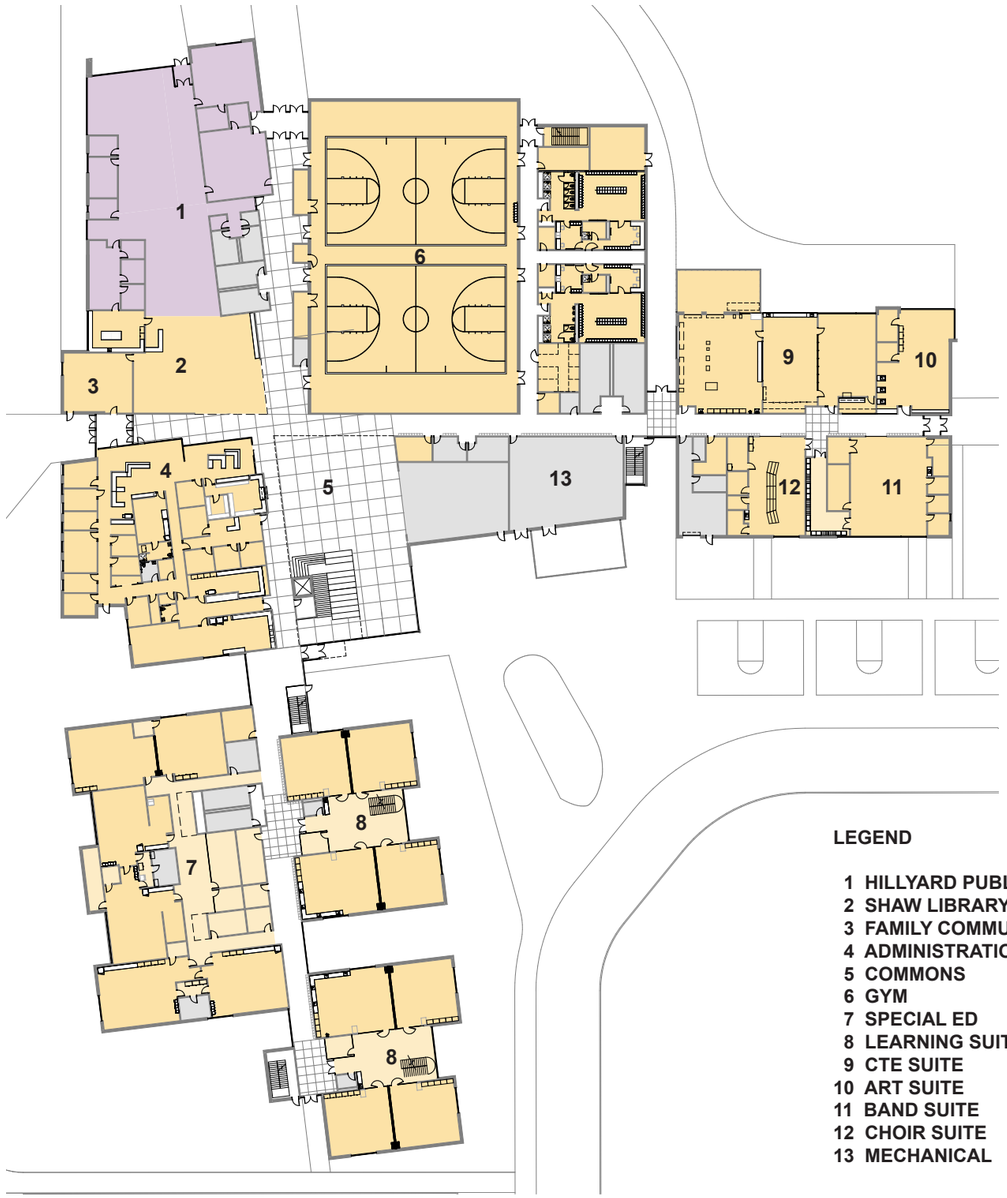
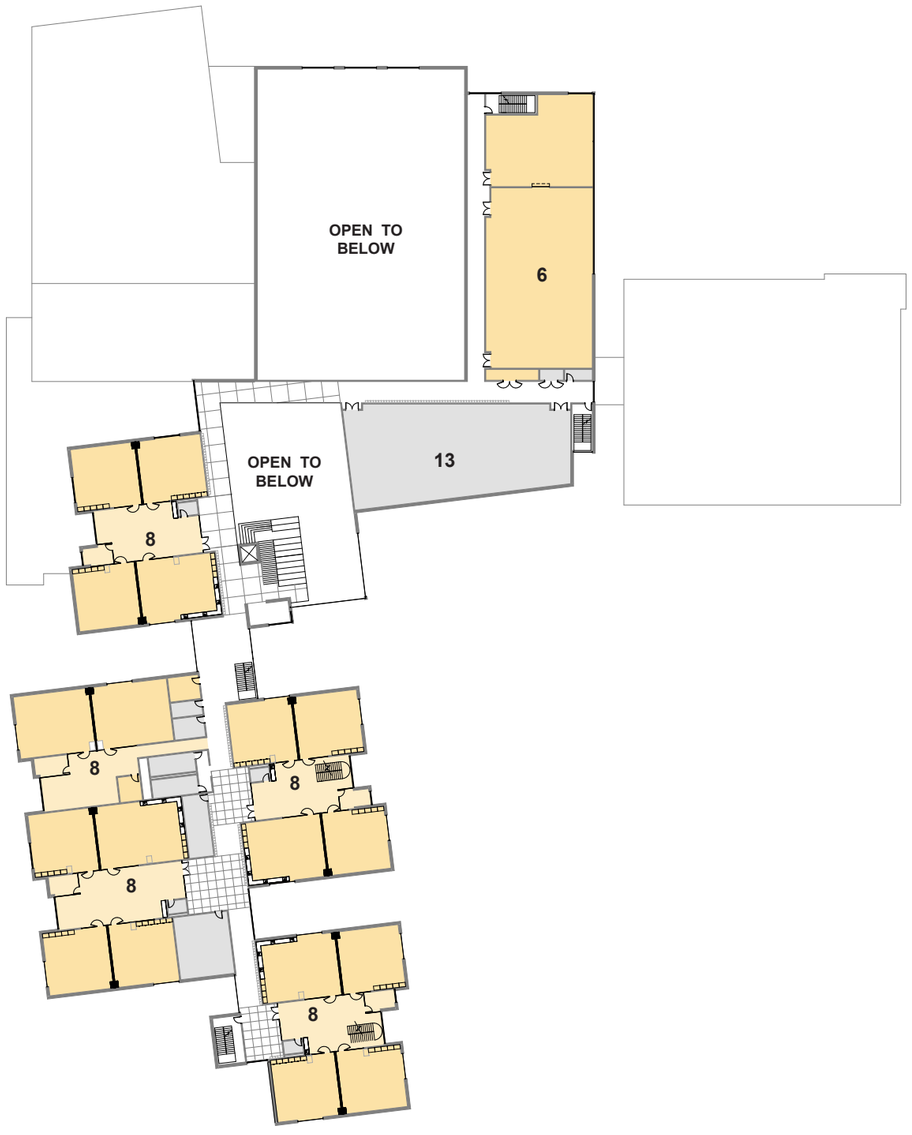


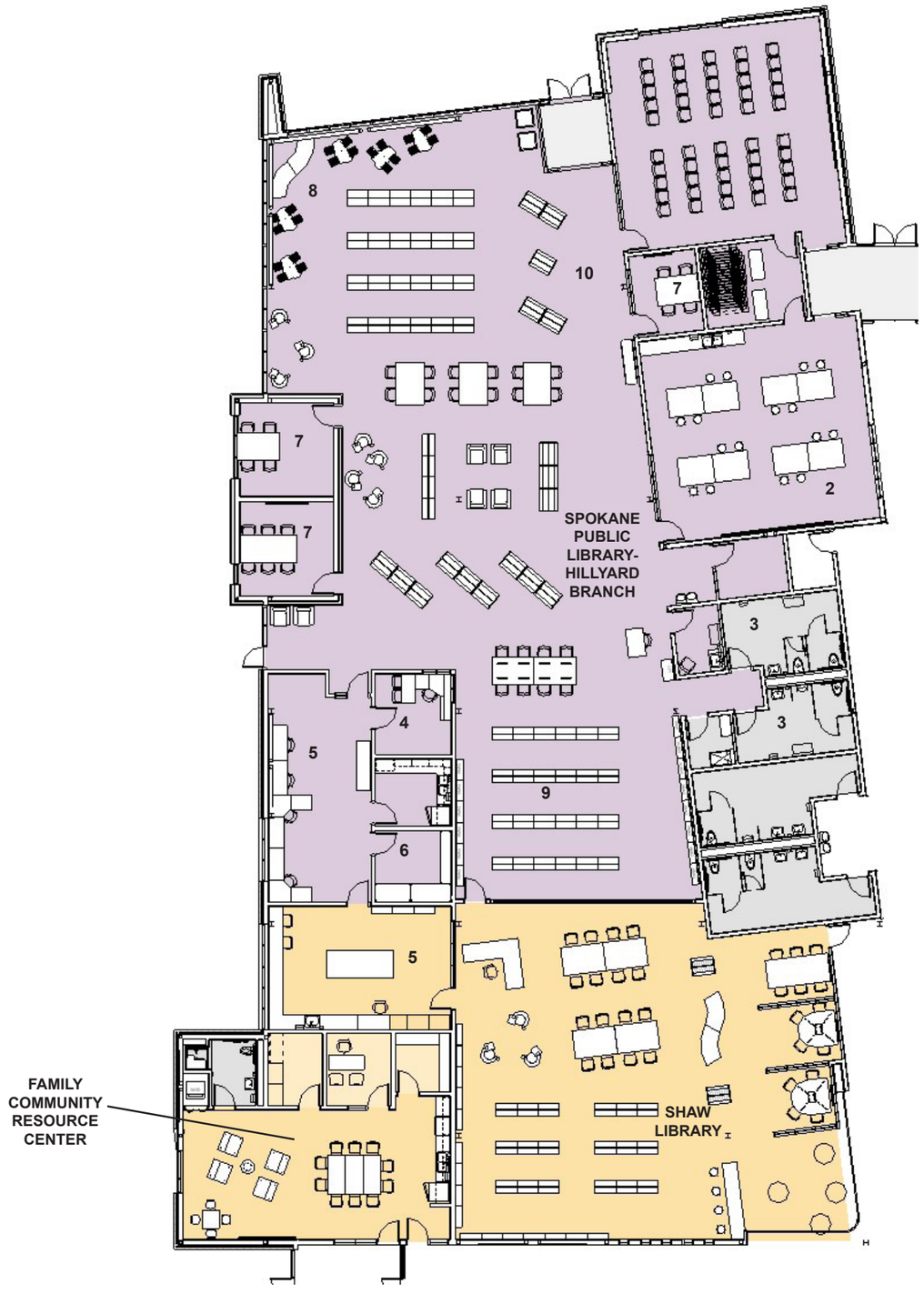
LEGEND

1 HILLYARD PUBLIC LIBRARY
2 SHAW LIBRARY
3 FAMILY COMMUNITY RESOURCE CENTER
4 ADMINISTRATION
5 COMMONS
6 GYM
7 SPECIAL ED
8 LEARNING SUITE
9 CTE SUITE
10 ART SUITE
11 BAND SUITE
12 CHOIR SUITE
13 MECHANICAL

SCHEMATIC FLOOR PLAN - LEVEL 1



SCHEMATIC FLOOR PLAN - LEVEL 2



LEGEND

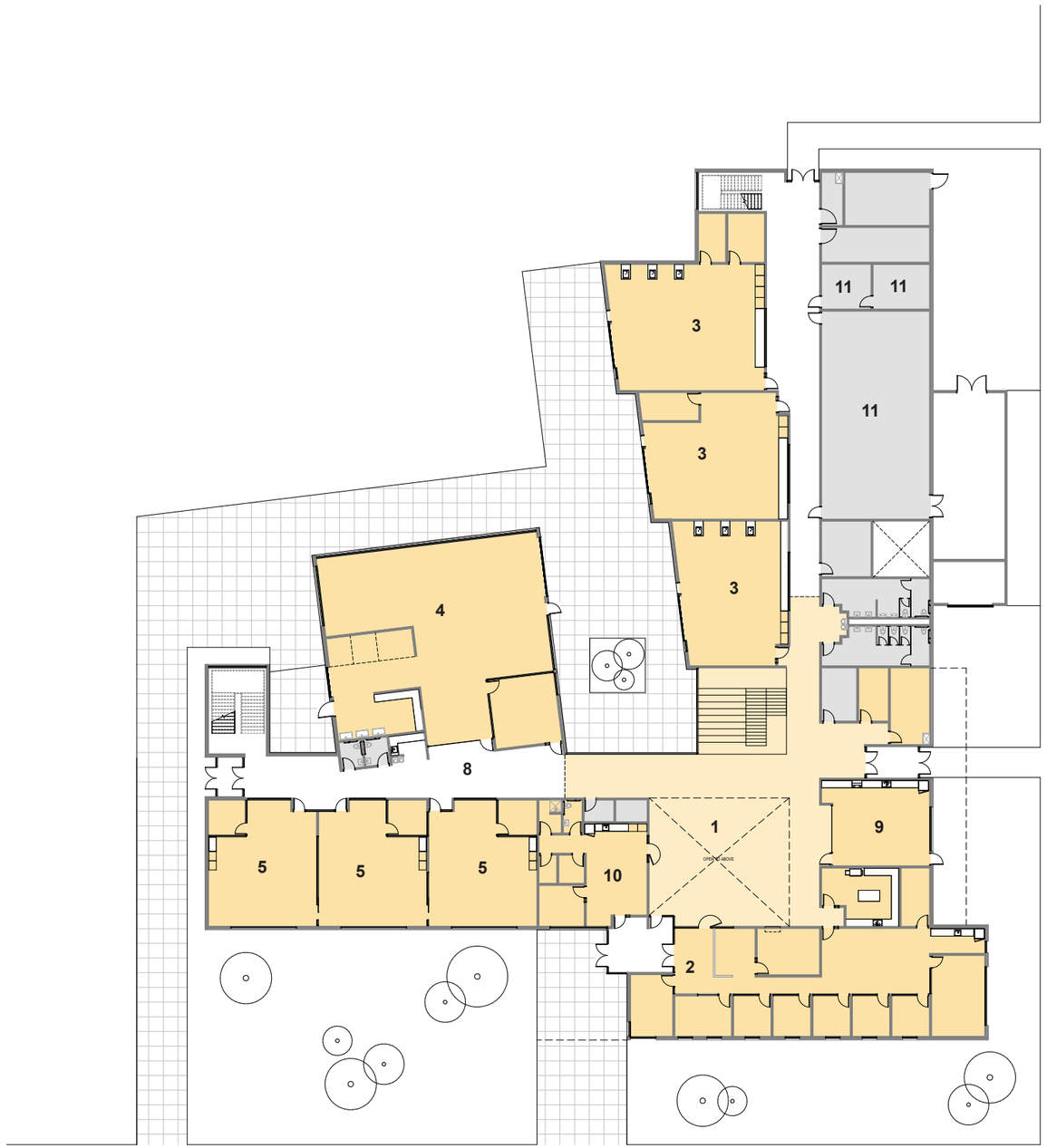
1 MEETING ROOM
2 AMP “MAKER” SPACE
3 RESTROOMS
4 OFFICES
5 WORK ROOM
6 STORAGE
7 GROUP STUDY AREAS
8 CHILDREN’S AREA
9 ADULT TEEN AREA
10 MARKETPLACE

HILLYARD AND SHAW LIBRARY FLOOR PLANS


JOHN A SHAW MIDDLE SCHOOL


JOHN A SHAW MIDDLE SCHOOL
HILLYARD PUBLIC LIBRARY

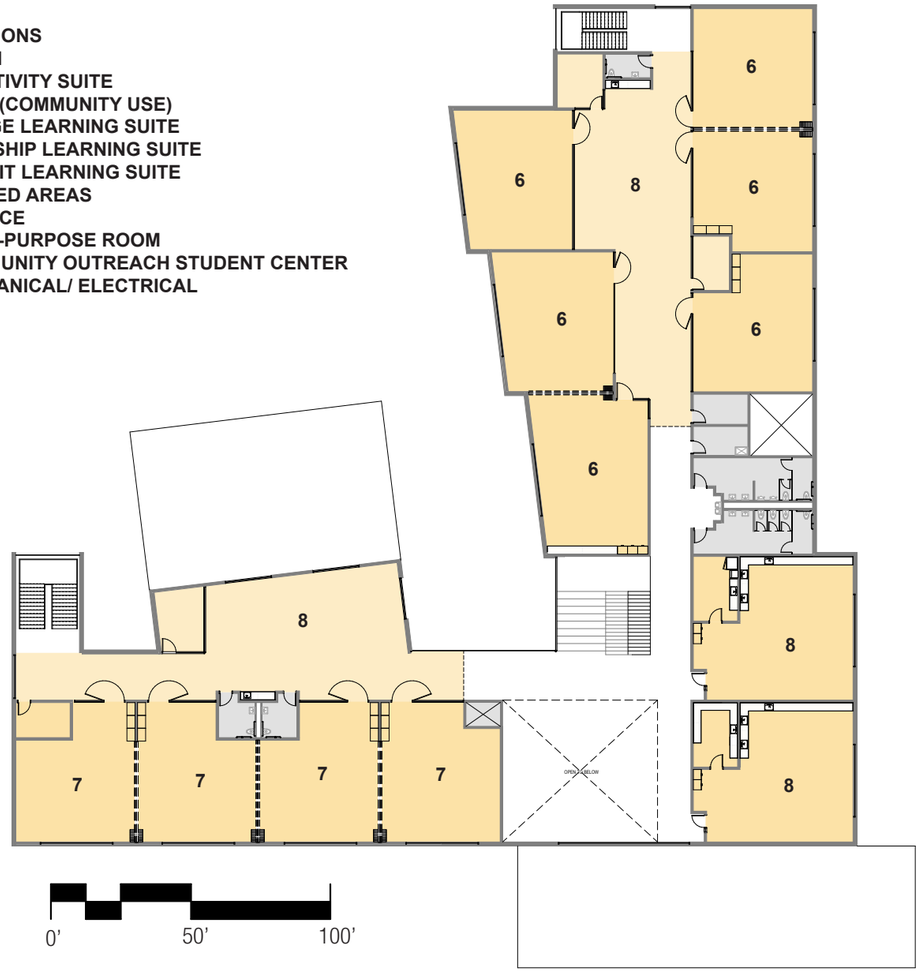

LIBRARY
HILLYARD PUBLIC LIBRARY



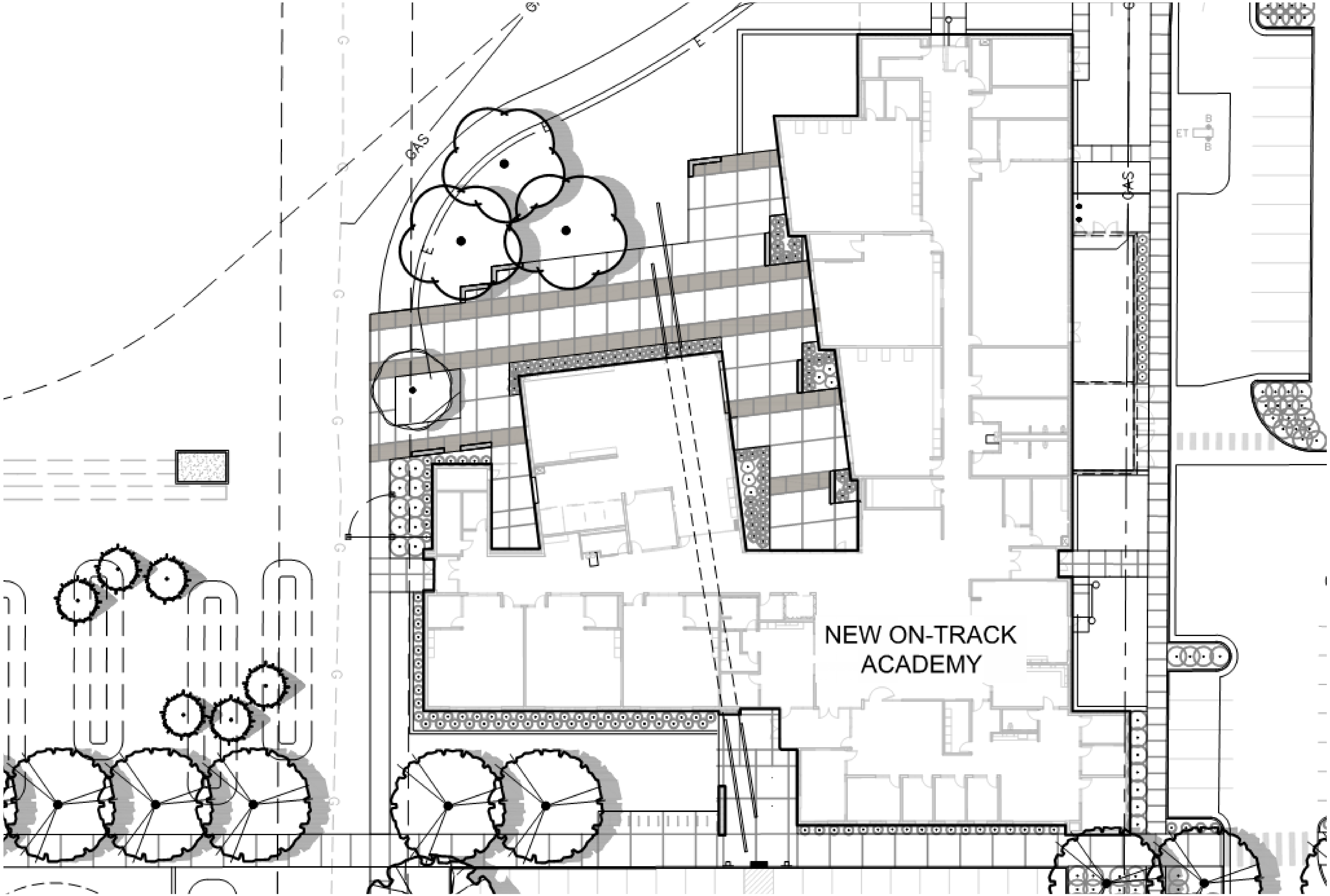
SCHEMATIC FLOOR PLAN - LEVEL 1

LEGEND

1 COMMONS
2 ADMIN
3 CREATIVITY SUITE
4 STEM (COMMUNITY USE)
5 BRIDGE LEARNING SUITE
6 FLAGSHIP LEARNING SUITE
7 SUMMIT LEARNING SUITE
8 SHARED AREAS
8 SCIENCE
9 MULTI-PURPOSE ROOM
10 COMMUNITY OUTREACH STUDENT CENTER
11 MECHANICAL/ ELECTRICAL



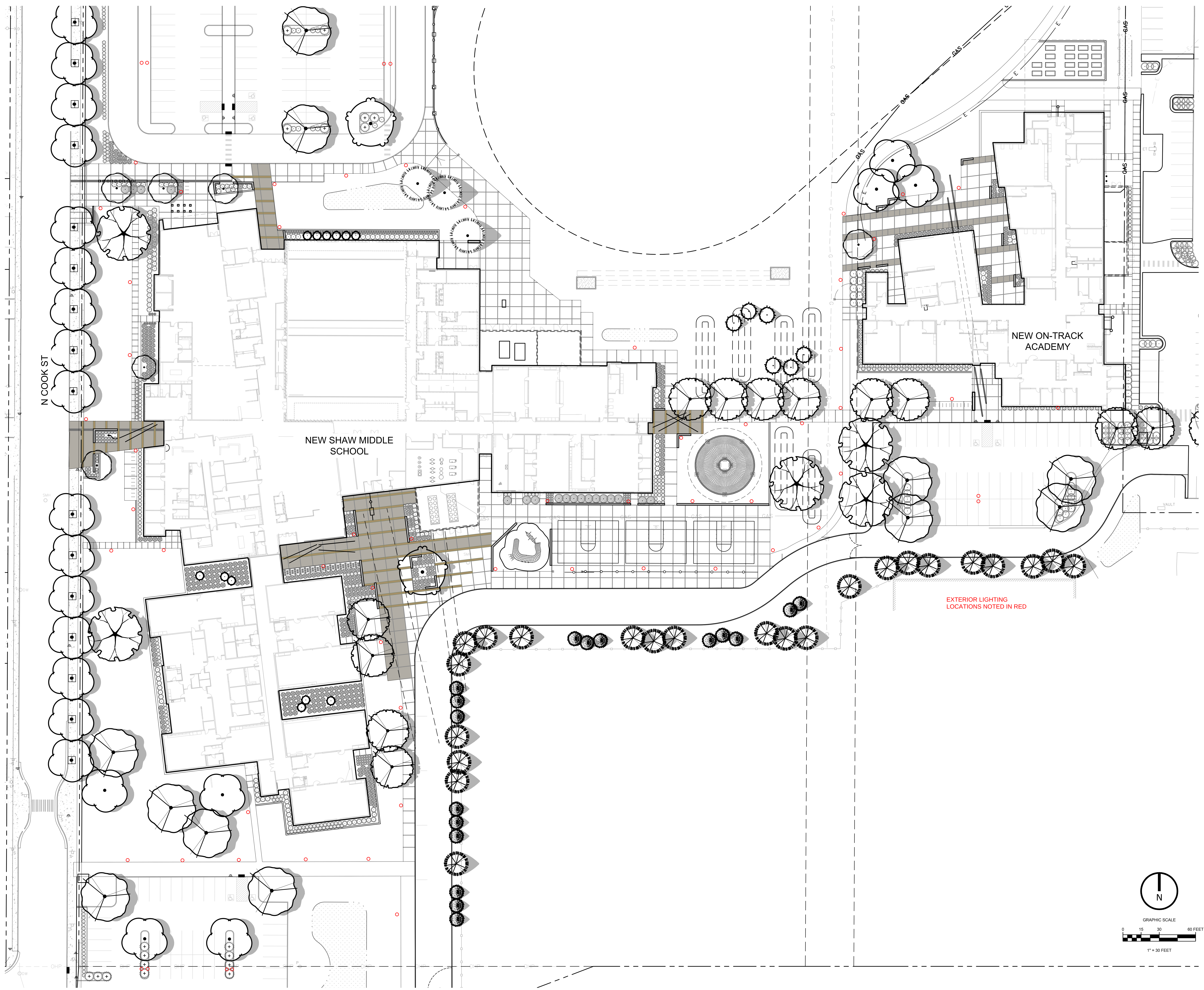
SCHEMATIC FLOOR PLAN - LEVEL 2


NEW ON-TRACK ACADEMY
GAS
GAS


ON TRACK ACADEMY

THANK YOU!

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



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AHBL Project No 2180775.40

Spokane Public Schools
Shaw Middle School and On Track Academy Replacement

4106 N Cook St
Spokane, WA 99207

Date:	11/08/2019
Job No.:	21838
Drawn By:	MRH/KKC
Checked By:	CDA

Revisions

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SITE LAYOUT
PLAN - CENTER

L112

2180775-DRB-EX.DWG L112

2180775-DRB-EX.DWG L112

50% CONSTRUCTION DOCUMENTS

Know what's **below.**
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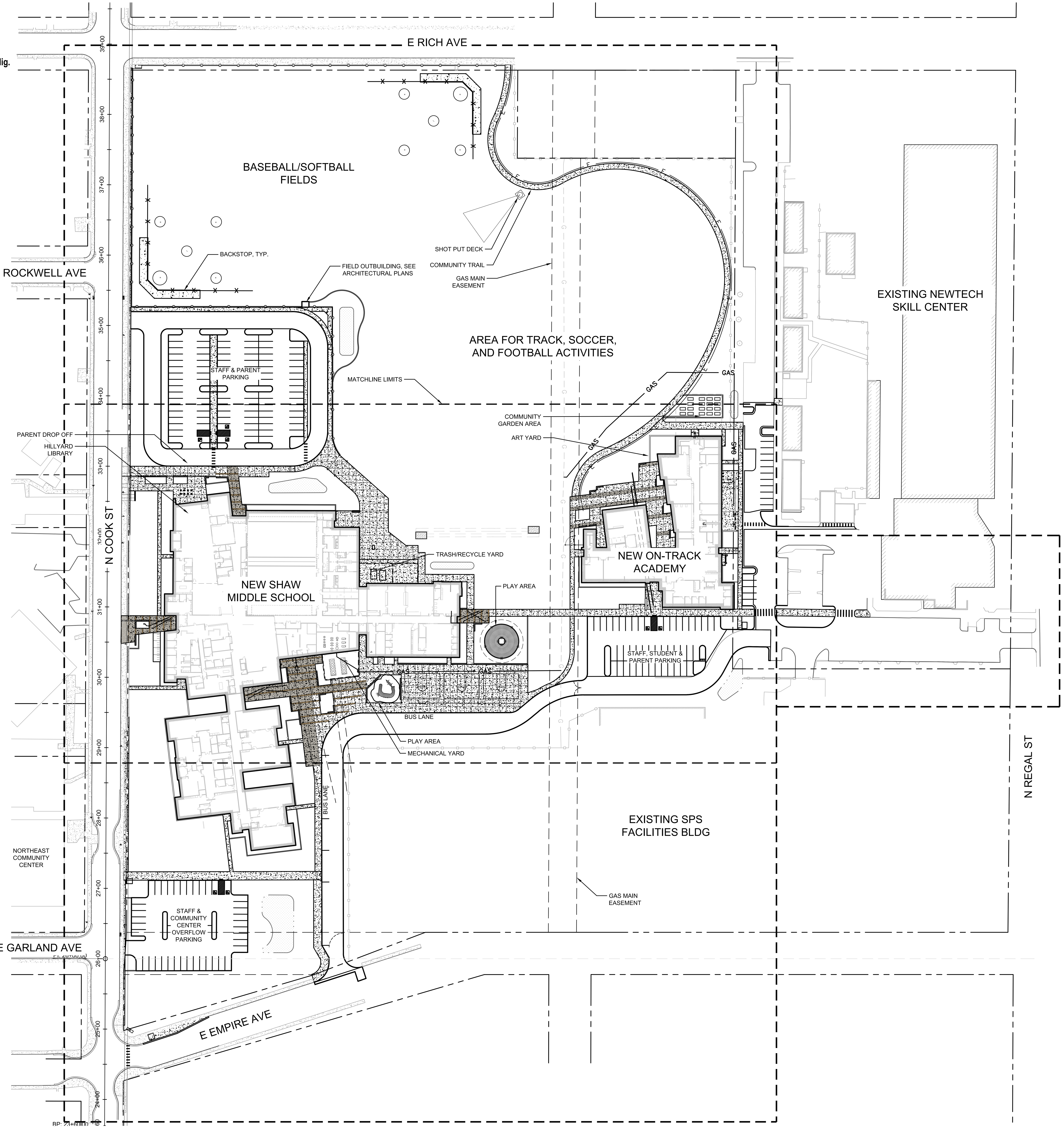
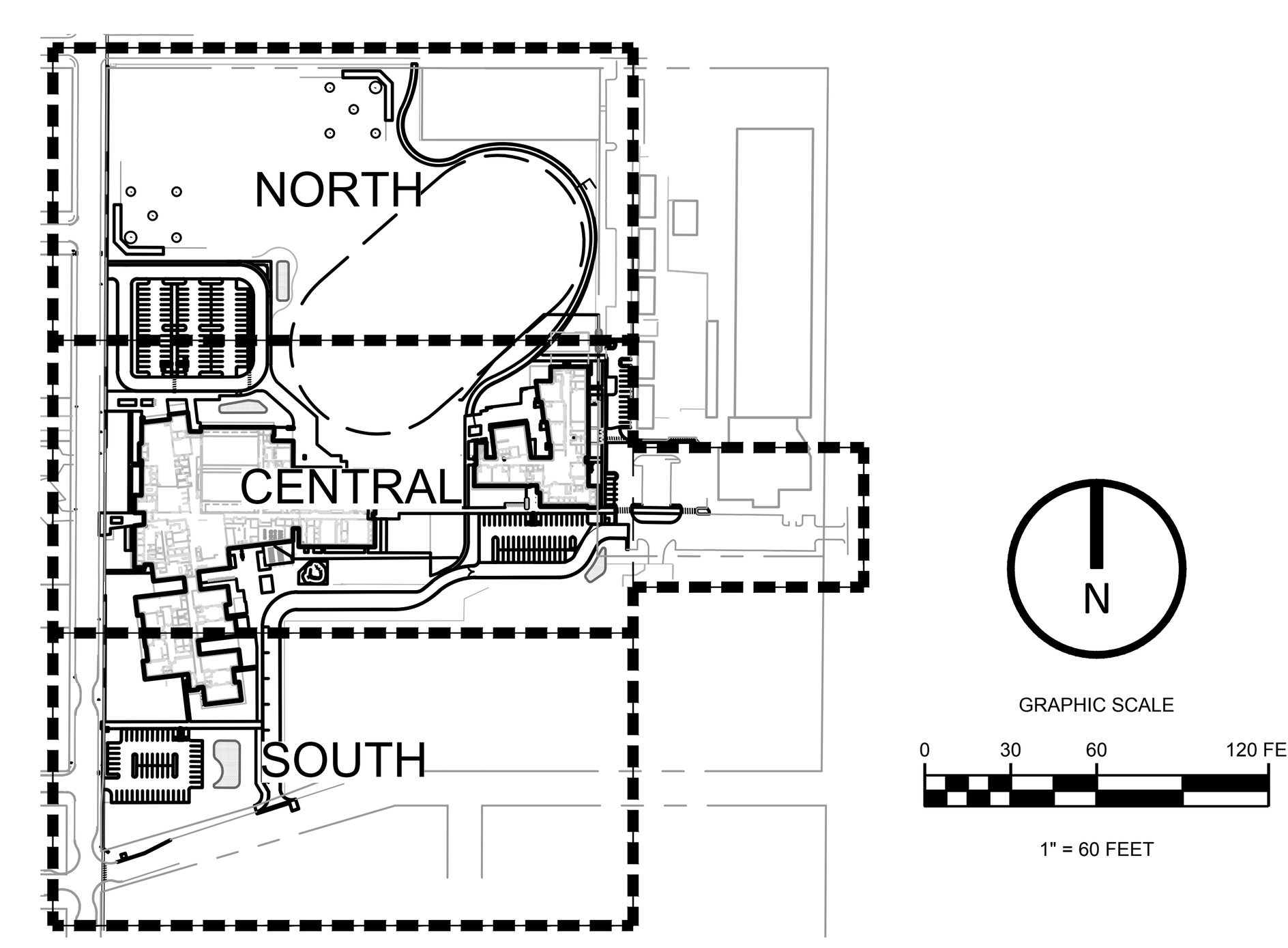


E RICH AVE
E ROCKWELL AVE
E GARLAND AVE
E EMPIRE AVE
N COOK ST
N REGAL ST
BASEBALL/SOFTBALL FIELDS
BACKSTOP, TYP.
FIELD OUTBUILDING, SEE ARCHITECTURAL PLANS
SHOT PUT DECK
COMMUNITY TRAIL
GAS MAIN EASEMENT
AREA FOR TRACK, SOCCER, AND FOOTBALL ACTIVITIES
MATCHLINE LIMITS
STAFF & PARENT PARKING
EXISTING NEWTECH SKILL CENTER
COMMUNITY GARDEN AREA
ART YARD
GAS
PARENT DROP OFF
HILLYARD LIBRARY
NEW SHAW MIDDLE SCHOOL
TRASH/RECYCLE YARD
PLAY AREA
NEW ON-TRACK ACADEMY
STAFF, STUDENT & PARENT PARKING
BUS LANE
PLAY AREA
MECHANICAL YARD
NORTHEAST COMMUNITY CENTER
EXISTING SPS FACILITIES BLDG
GAS MAIN EASEMENT
STAFF & COMMUNITY CENTER OVERFLOW PARKING



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SITE PLAN

L100

2180775-SH-SITE.DWG L100

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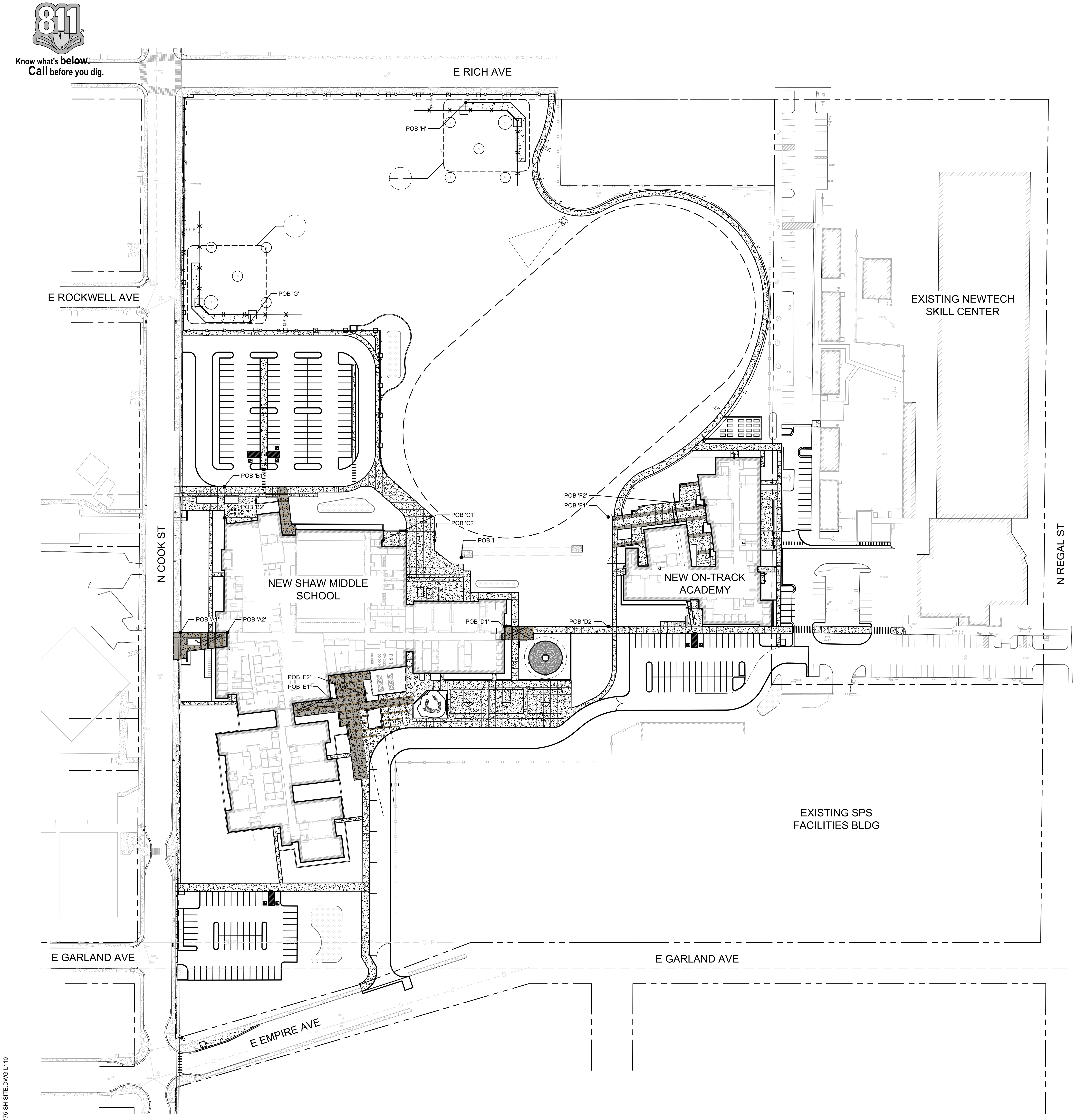


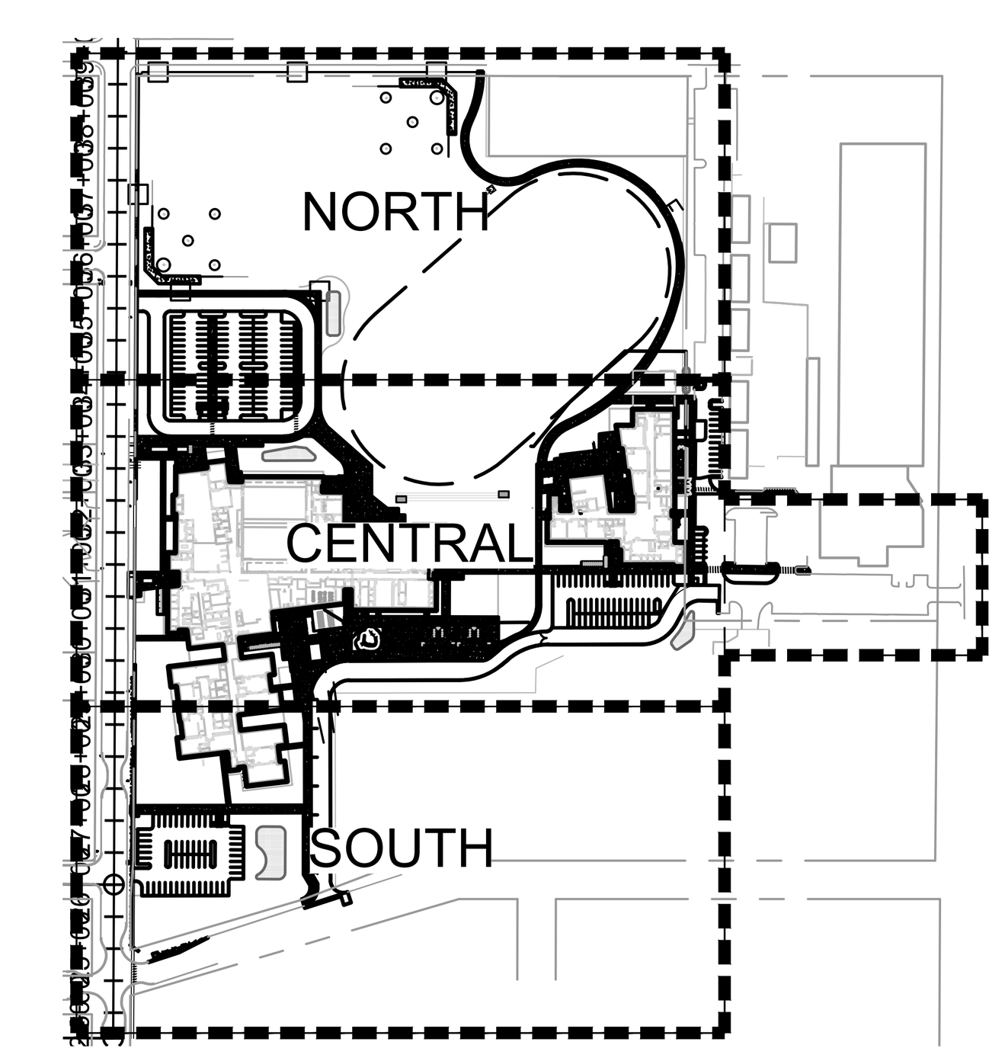
2180775-SH-SITE.DWG L110

NOTES

1. FOR GENERAL LAYOUT NOTES, SHEET L001.
2. SEE CIVIL PLANS FOR LAYOUT OF ROADS, CURBS, AND WALKWAYS.
3. SEE SHEET L110 FOR NORTHING AND EASTING SCHEDULE

NORTHING/EASTING POINT SCHEDULE

POINT	DESCRIPTION	NORTHING	EASTING
1	POB A1	N 99660'-11 1/2"	E 199994'-10"
2	POB A2	N 99660'-11"	E 200063'-0"
3	POB B1	N 99873'-4"	E 200059'-2"
4	POB B2	N 99826'-10 1/2"	E 200059'-0 1/2"
5	POB C1	N 99795'-7 1/2"	E 200290'-2"
6	POB C2	N 99795'-5"	E 200364'-11"
7	POB D1	N 99669'-11 1/2"	E 200466'-6"
8	POB D2	N 99670'-1"	E 200617'-2"
9	POB E1	N 99564'-11"	E 200213'-6"
10	POB E2	N 99570'-10"	E 200263'-2"
11	POB F1	N 99829'-2"	E 200617'-2"
12	POB F2	N 99846'-5"	E 200757'-8 1/2"
13	POB G	N 100111'-8 1/2"	E 200096'-7"
14	POB H	N 100431'-3 1/2"	E 200410'-2 1/2"
15	POB I	N 99769'-11"	E 200403'-4 1/2"



N

GRAPHIC SCALE

0 30 60 120 FEET

1" = 60 FEET

2180775-SH-SITE.DWG L110

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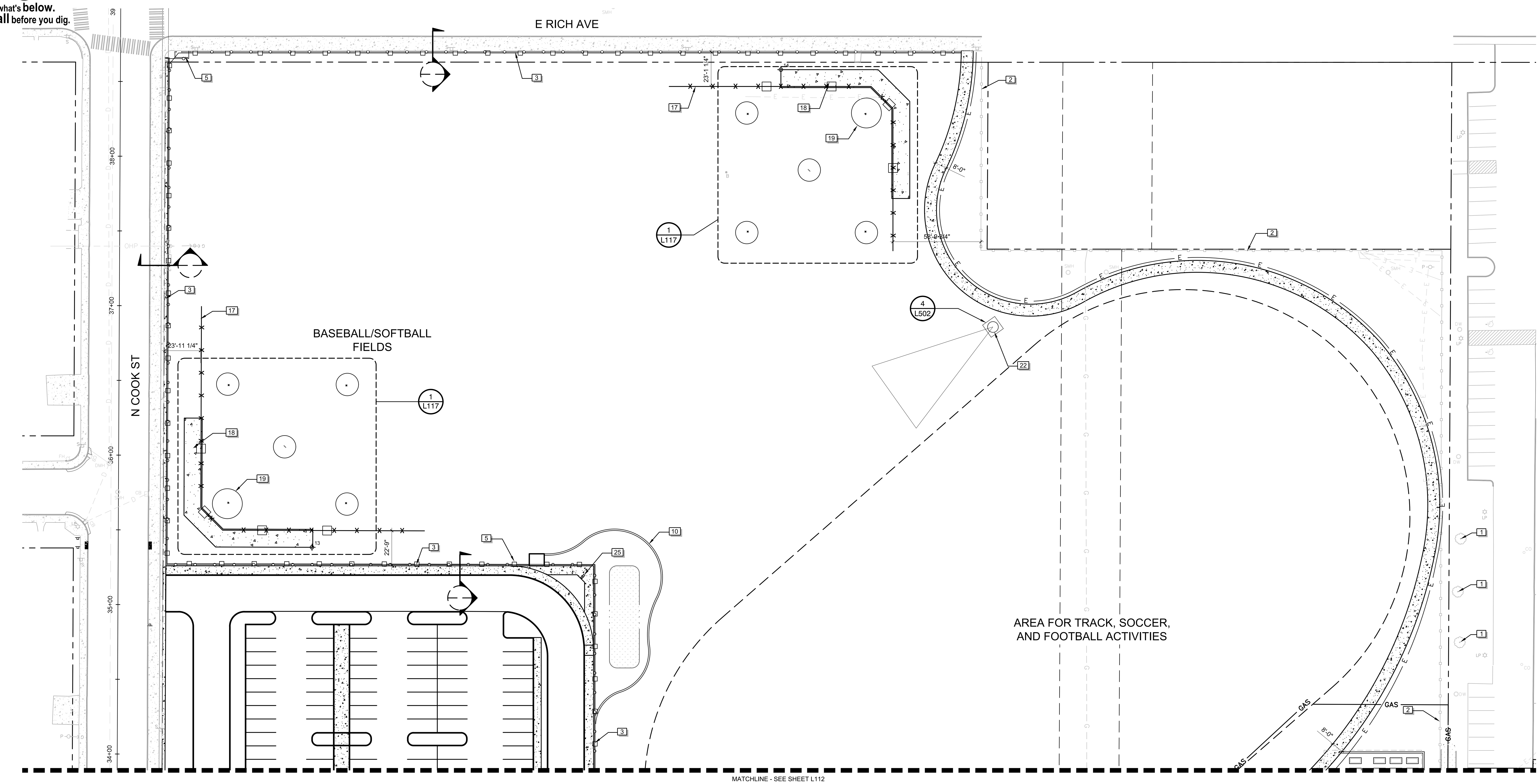
OVERALL SITE LAYOUT PLAN

L110

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



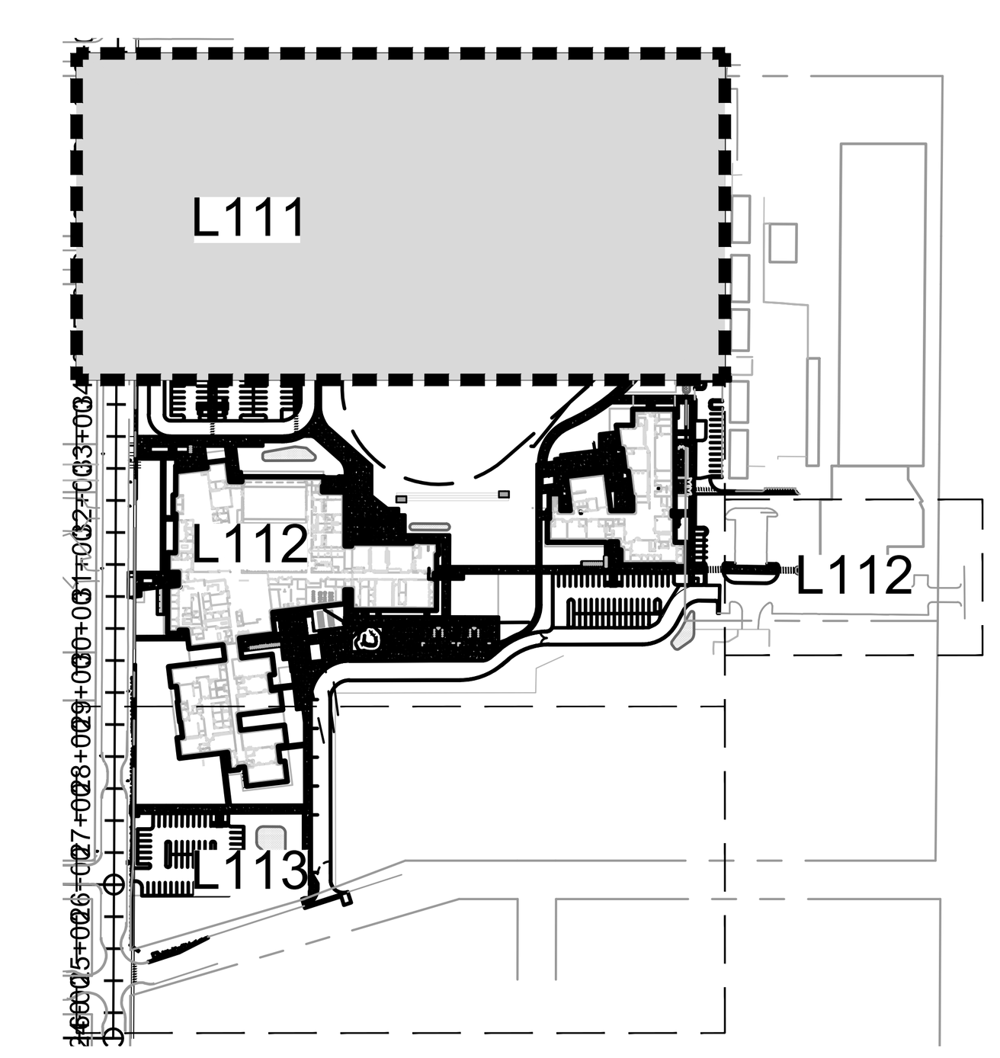
REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION	DETAIL	SYMBOL	DESCRIPTION	QTY	DETAIL
1	PROTECT EXISTING TREE		15	ARTIFICIAL TURF PLAYGROUND SURFACING		4/L501
2	EXISTING FENCE TO REMAIN		16	CONCRETE PLAYGROUND AREA EDGING		6/L501
3	4` CHAIN LINK FENCE	8/L501	17	BASEBALL BACKSTOP		1/L503
4	4` BLACK VINYL COATED CHAIN LINK FENCE		18	CONCRETE BACKSTOP PAD		
5	CHAIN LINK MAZE GATE	10/L501	19	BASEBALL PLATE CUTOUTS		
6	VEHICLE ACCESS GATE	12/L501	20	RELOCATED 10` RIM BASKETBALL POLE		6/L502
7	EMERGENCY AND UTILITY ACCESS GATE	11/L501	21	HALF-COURT BASKETBALL STRIPING		3/L502
8	KNOX BOX ON POST	13/L501	22	SHOT PUT DECK		
9	GATE OPEN POST		23	LONG JUMP SAND PIT		
10	CONCRETE MOW CURB, TYPE 1	2/L501	24	FLAGPOLE		1/L502
11	CONCRETE MOW CURB, TYPE 2	3/L501	25	EXTERIOR DRINKING FOUNTAIN		
12	CONCRETE SEAT WALL	15/L501	26	BICYCLE RACK		2/L502
13	CONCRETE CUBIC BLOCK	14/L501	27	PLAY AREA 01		
14	STEEL ACCENT BAND		28	PLAY AREA 02		

NOTES

1. FOR GENERAL LAYOUT NOTES, SHEET L001.
2. SEE CIVIL PLANS FOR LAYOUT OF ROADS, CURBS, AND WALKWAYS.
3. SEE SHEET L110 FOR NORTHING AND EASTING SCHEDULE

KEY MAP



N

GRAPHIC SCALE
0 15 30 60 FEET
1" = 30 FEET

2180775-SH-SITE.DWG L111

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SITE LAYOUT PLAN - NORTH

L111

2180775-SH-SITE.DWG L111

Know what's **below.**
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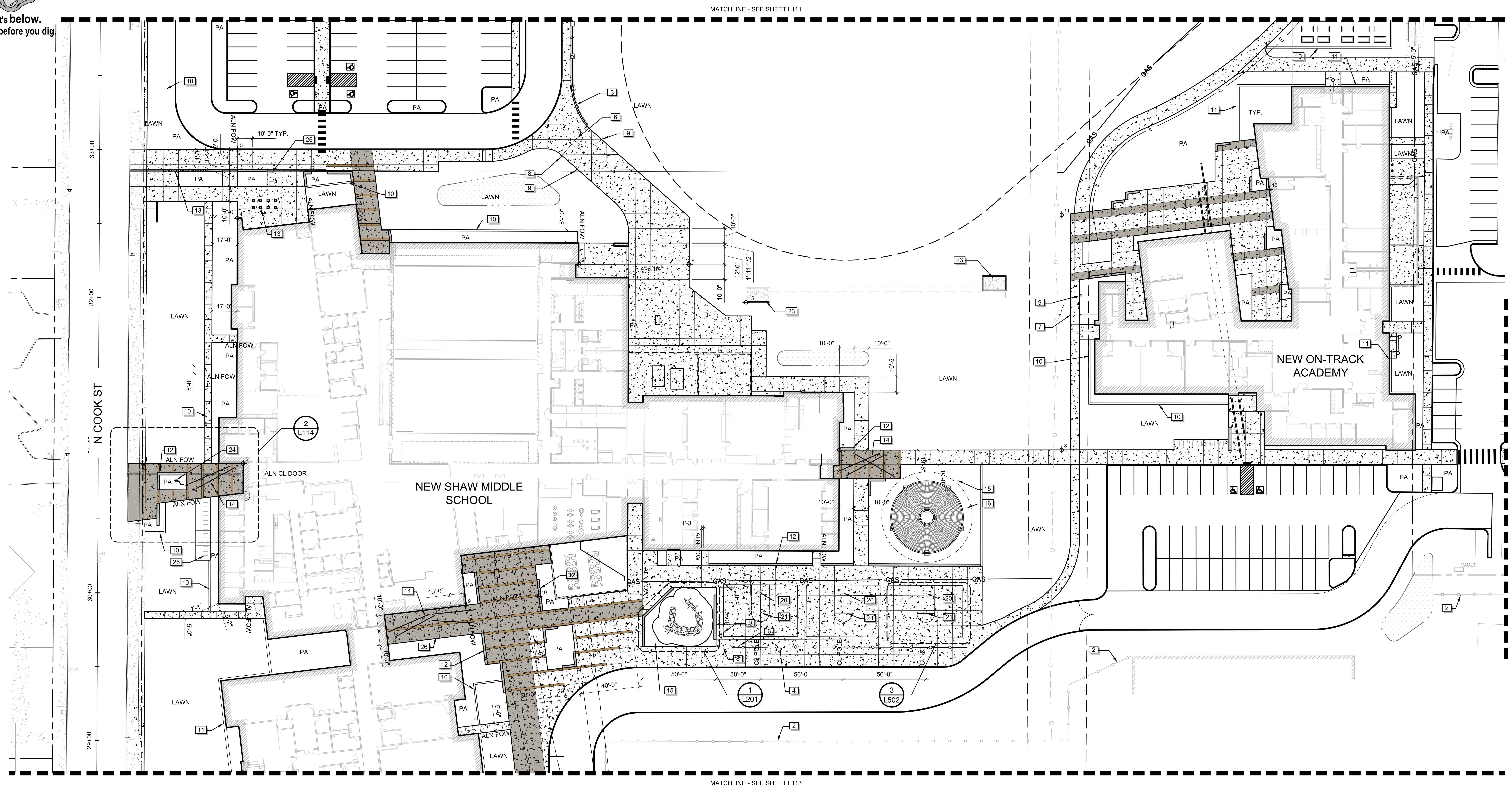

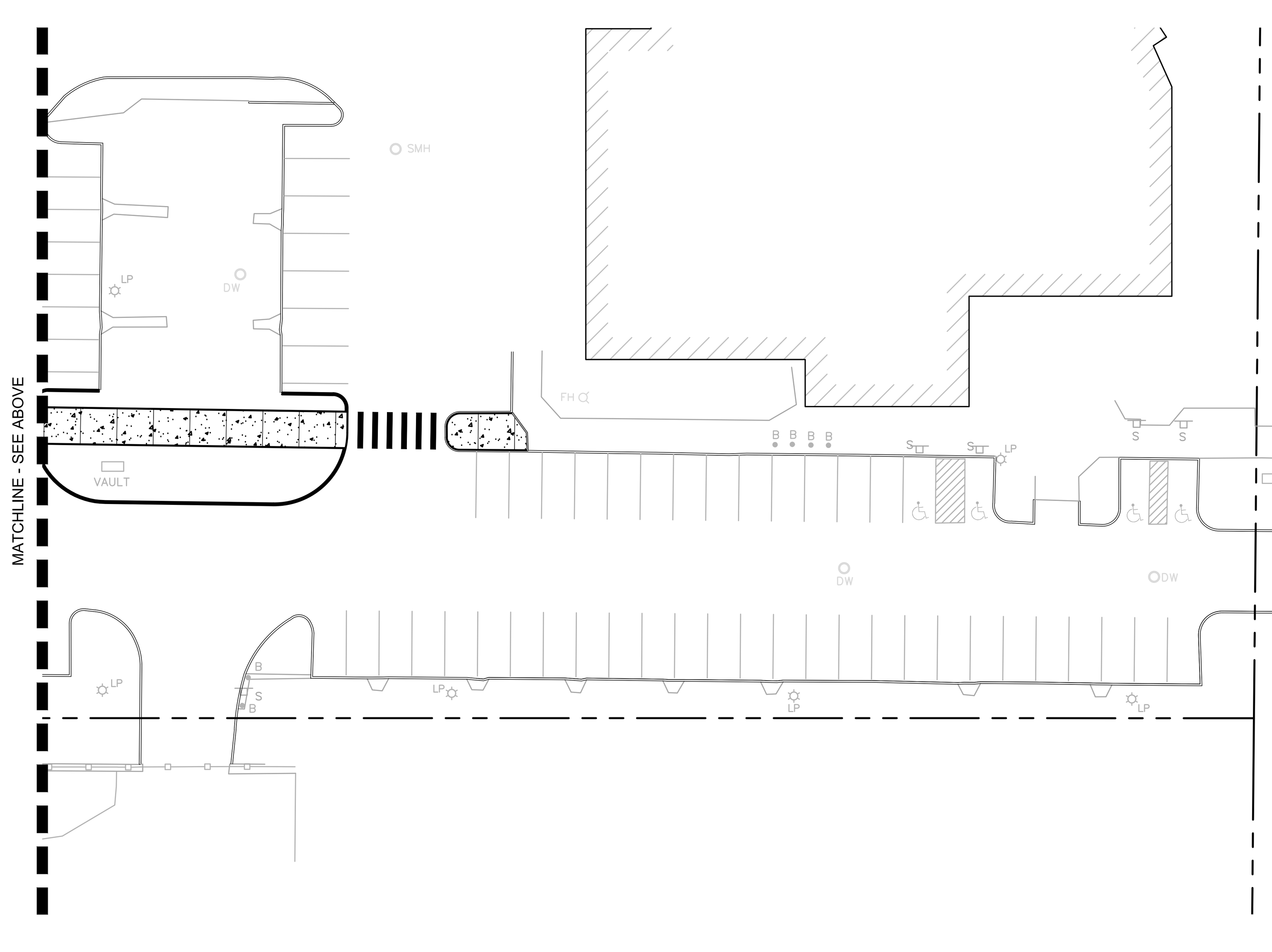

REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION	DETAIL
1	PROTECT EXISTING TREE	
2	EXISTING FENCE TO REMAIN	
3	4' CHAIN LINK FENCE	8/L501
4	4' BLACK VINYL COATED CHAIN LINK FENCE	
5	CHAIN LINK MAZE GATE	10/L501
6	VEHICLE ACCESS GATE	12/L501
7	EMERGENCY AND UTILITY ACCESS GATE	11/L501
8	KNOX BOX ON POST	13/L501
9	GATE OPEN POST	
10	CONCRETE MOW CURB, TYPE 1	2/L501
11	CONCRETE MOW CURB, TYPE 2	3/L501
12	CONCRETE SEAT WALL	15/L501
13	CONCRETE CUBIC BLOCK	14/L501
14	STEEL ACCENT BAND	

SYMBOL	DESCRIPTION	QTY	DETAIL
15	ARTIFICIAL TURF PLAYGROUND SURFACING		4/L501
16	CONCRETE PLAYGROUND AREA EDGING		6/L501
17	BASEBALL BACKSTOP		1/L503
18	CONCRETE BACKSTOP PAD		
19	BASEBALL PLATE CUTOUTS		
20	RELOCATED 10' RIM BASKETBALL POLE		6/L502
21	HALF-COURT BASKETBALL STRIPING		3/L502
22	SHOT PUT DECK		
23	LONG JUMP SAND PIT		
24	FLAGPOLE		1/L502
25	EXTERIOR DRINKING FOUNTAIN		
26	BICYCLE RACK		2/L502
27	PLAY AREA 01		
28	PLAY AREA 02		

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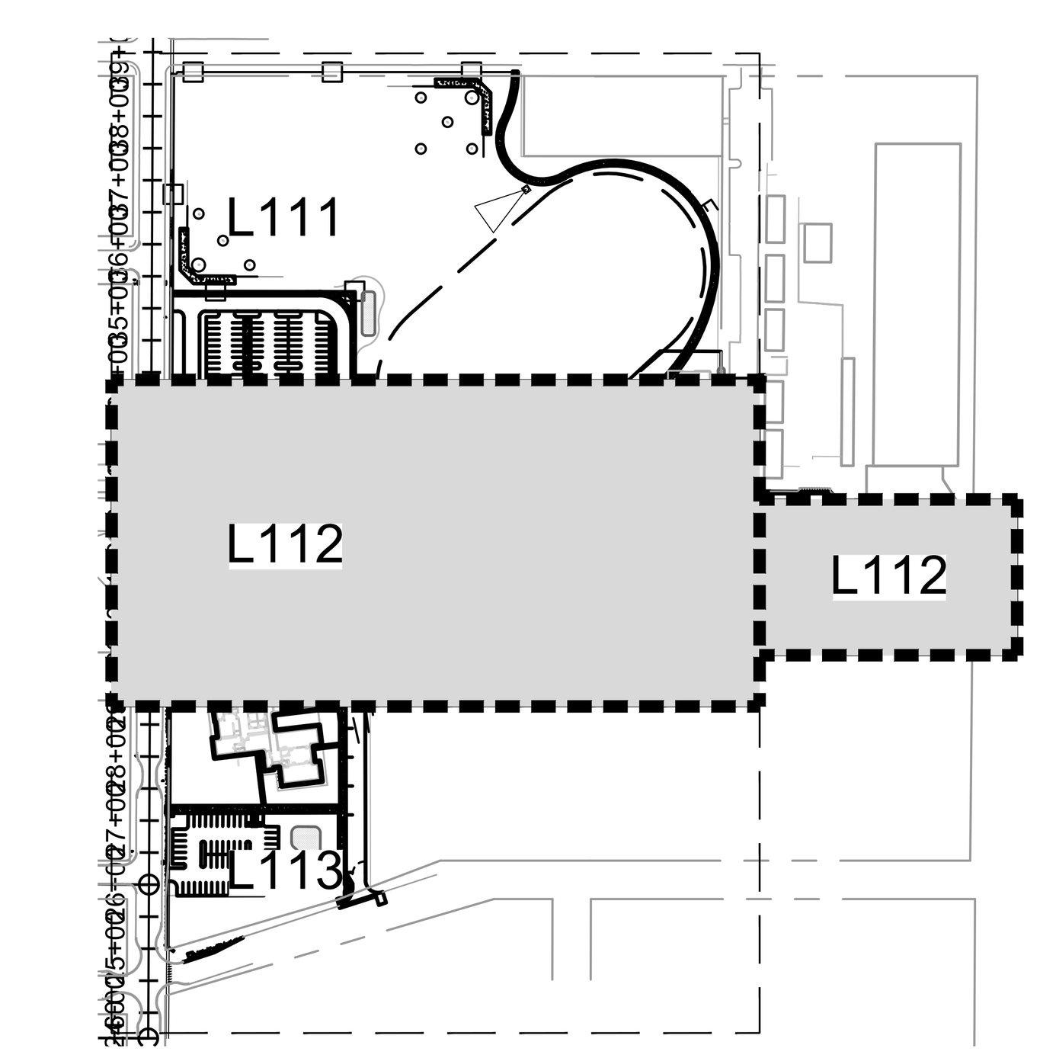
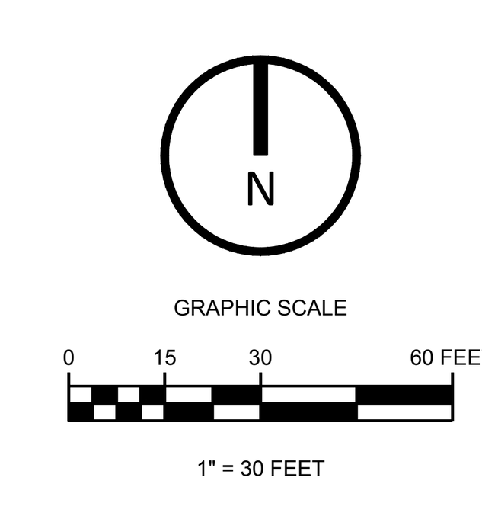
KEY MAP





2180775-SH-SITE.DWG L112

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SITE LAYOUT
PLAN - CENTER

L112

2180775-SH-SITE.DWG L112

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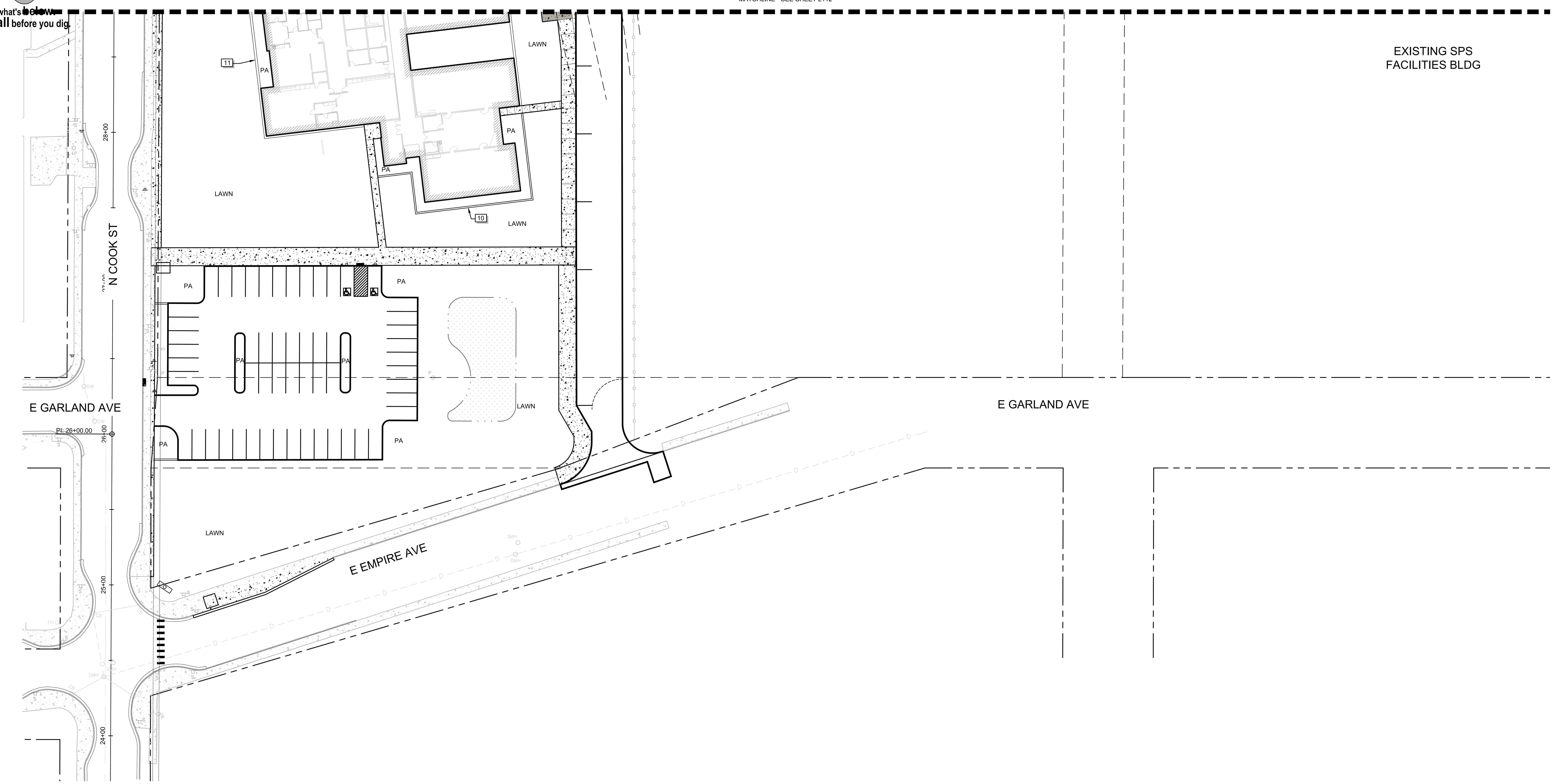

REFERENCE NOTES SCHEDULE

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SYMBOL	DESCRIPTION	QTY	DETAIL
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21	HALF-COURT BASKETBALL STRIPING		3/L502
22	SHOT PUT DECK		
23	LONG JUMP SAND PIT		
24	FLAGPOLE		1/L502
25	EXTERIOR DRINKING FOUNTAIN		
26	BICYCLE RACK		2/L502
27	PLAY AREA 01		
28	PLAY AREA 02		

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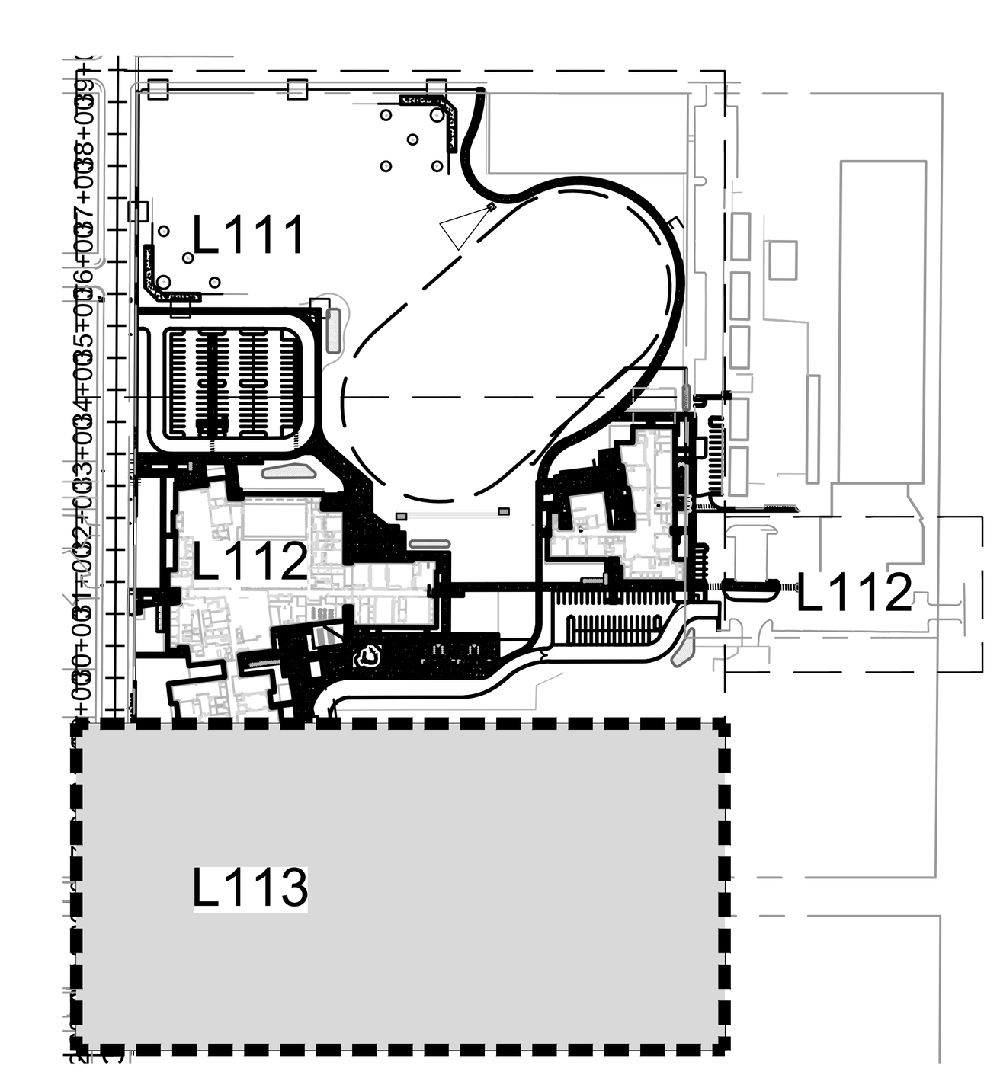
3. SEE SHEET L110 FOR NORTHING AND EASTING SCHEDULE

KEY MAP



N

GRAPHIC SCALE
0 15 30 60 FEET
1" = 30 FEET

2180775-SH-SITE.DWG L113

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SITE LAYOUT PLAN - SOUTH

L113

2180775-SH-SITE.DWG L113

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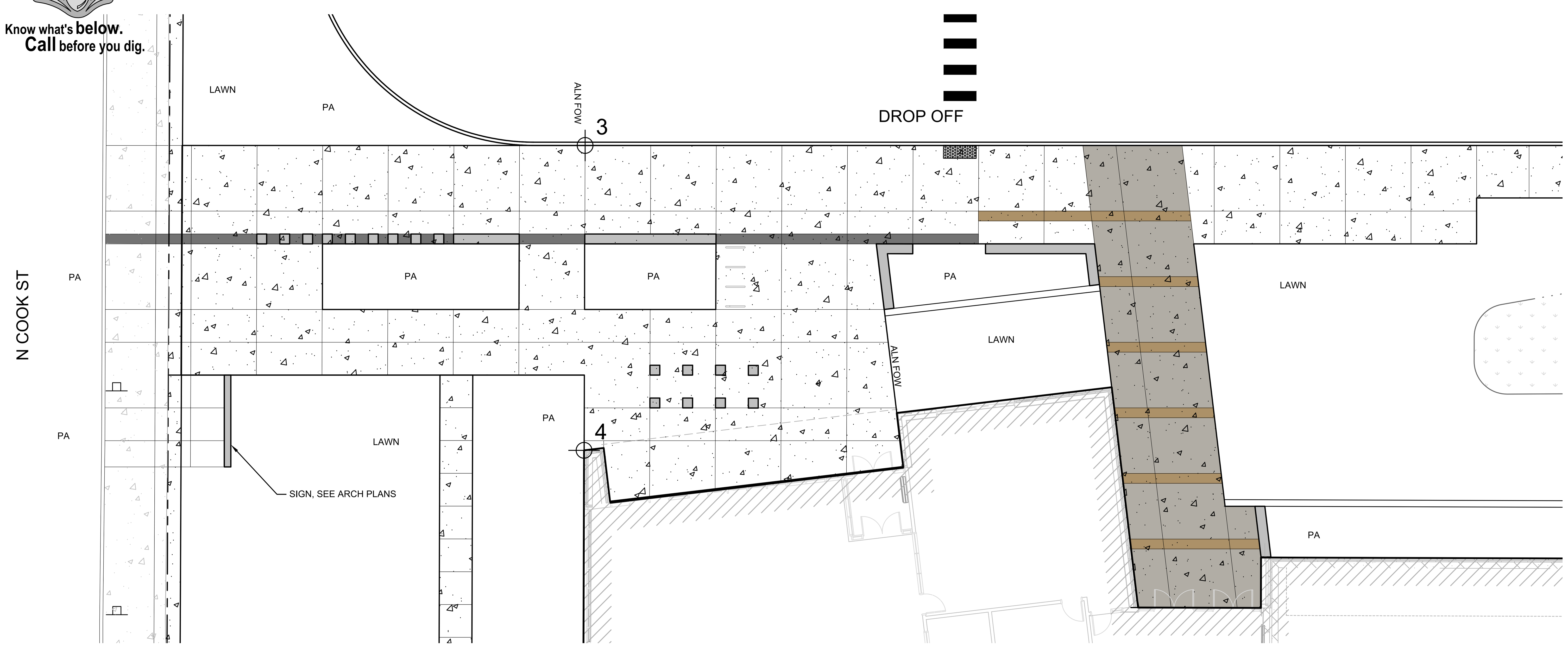
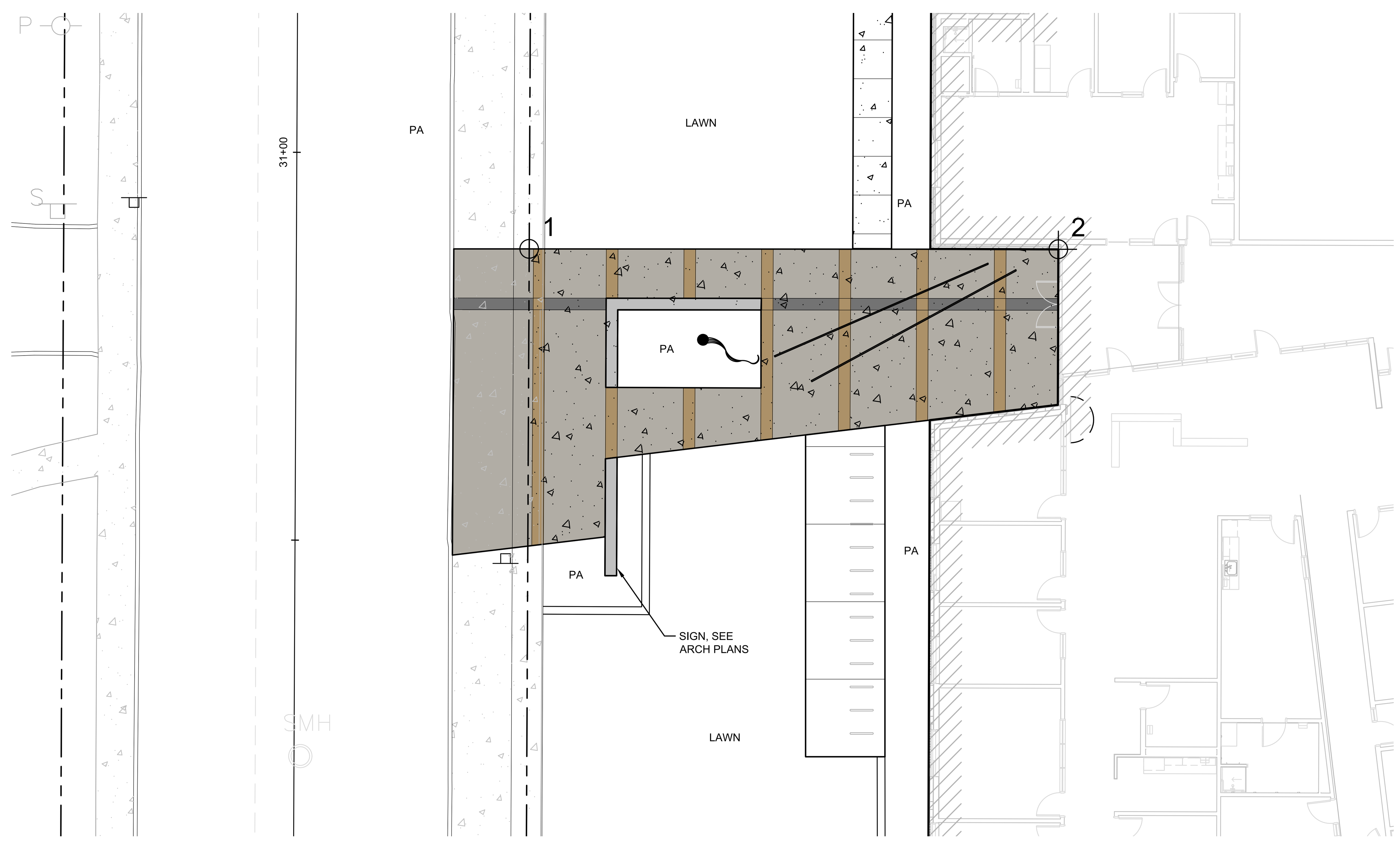
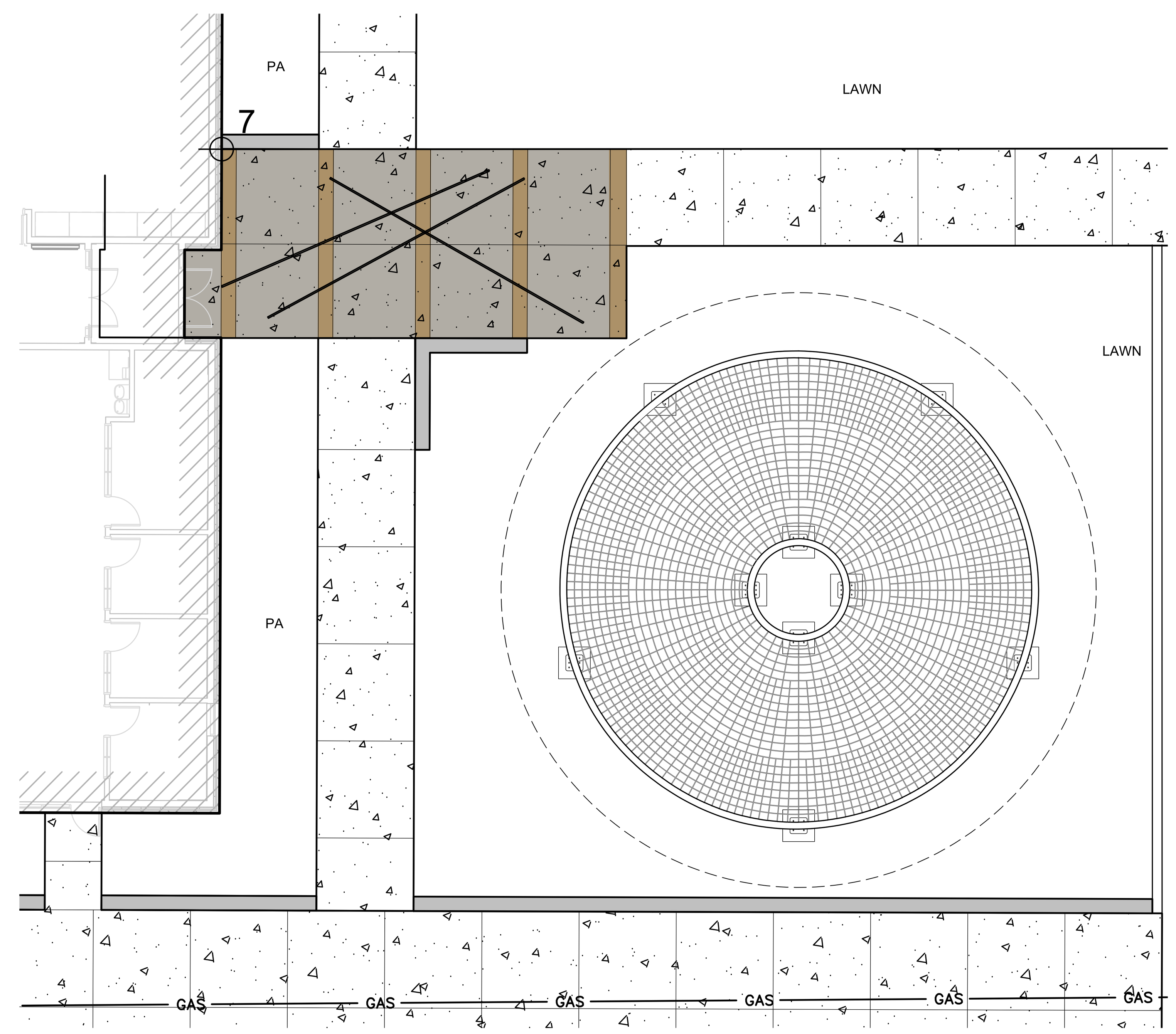


1 ENLARGED PLAN - NORTH PLAZA
1" = 10'

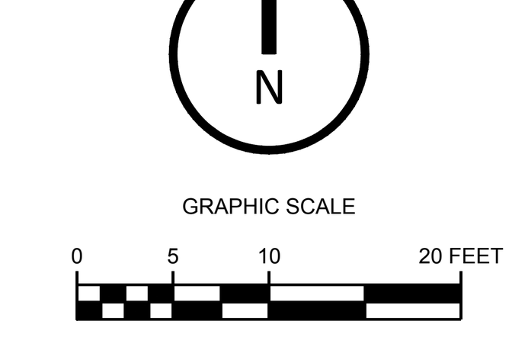


2 ENLARGED PLAN - COOK STREET PLAZA
1" = 10'



3 ENLARGED PLAN - EAST PLAZA
1" = 10'

2180775-SH-SITE.DWG L114



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AHBL Project No 2180775.40

Spokane Public Schools
Shaw Middle School and On Track Academy Replacement
4106 N Cook St
Spokane, WA 99207

Date:	11/08/2019
Job No.:	21838
Drawn By:	MRH/KKC
Checked By:	CDA

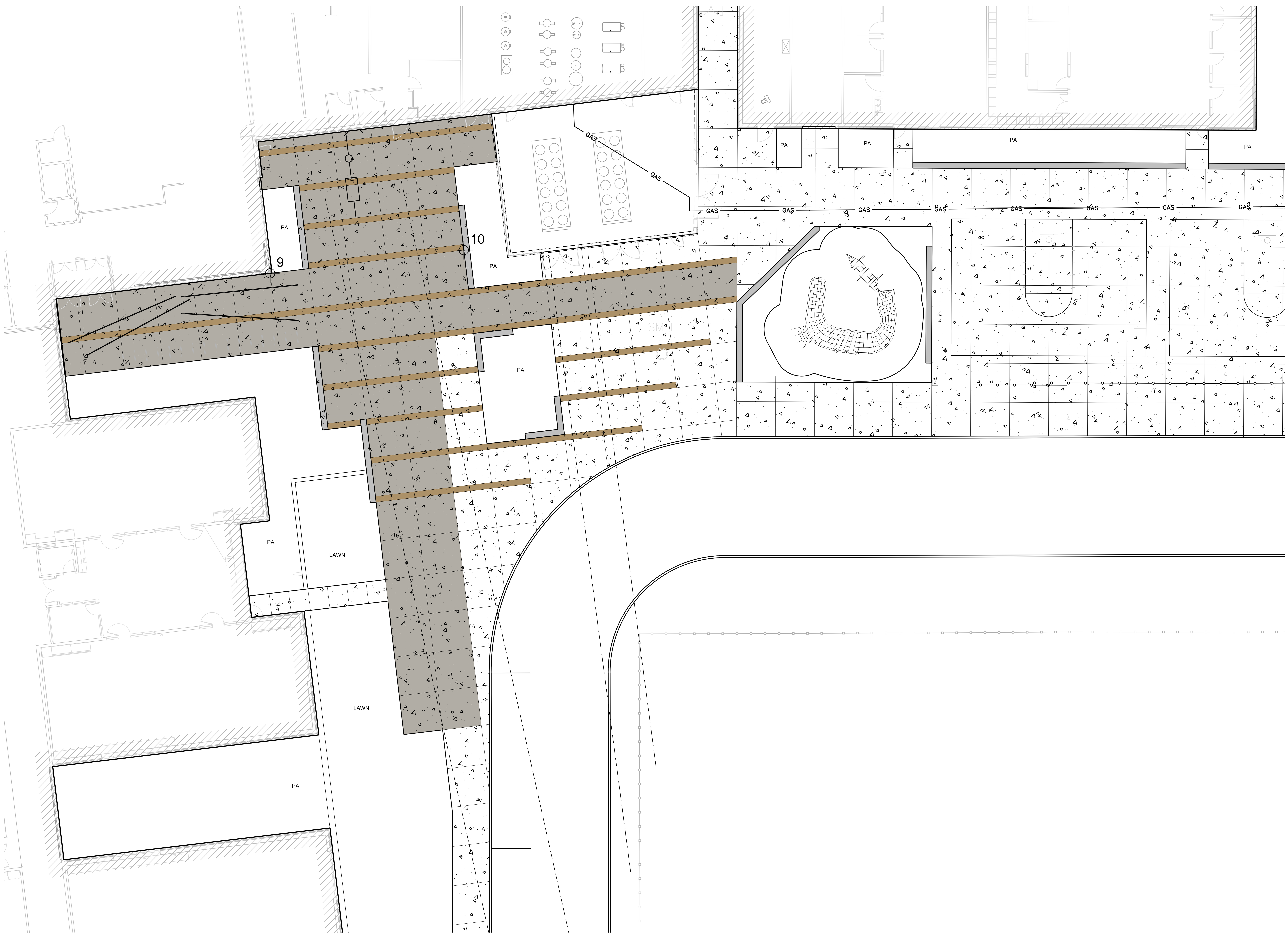
Revisions

#	Date	Description

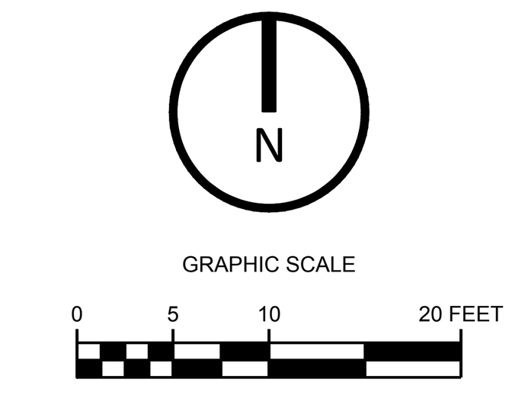
ENLARGED LAYOUT PLANS - SHAW

L114

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



1 ENLARGED PLAN - SOUTH PLAZA
1" = 10'



2180775-SH-SITE.DWG L115

50% CONSTRUCTION DOCUMENTS

2180775-SH-SITE.DWG L115

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10 SOUTH CEDAR, SPOKANE, WA. 99204
TELEPHONE: (509)838-8681 FAX: (509)838-2194

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ENLARGED LAYOUT PLANS - SHAW

L115

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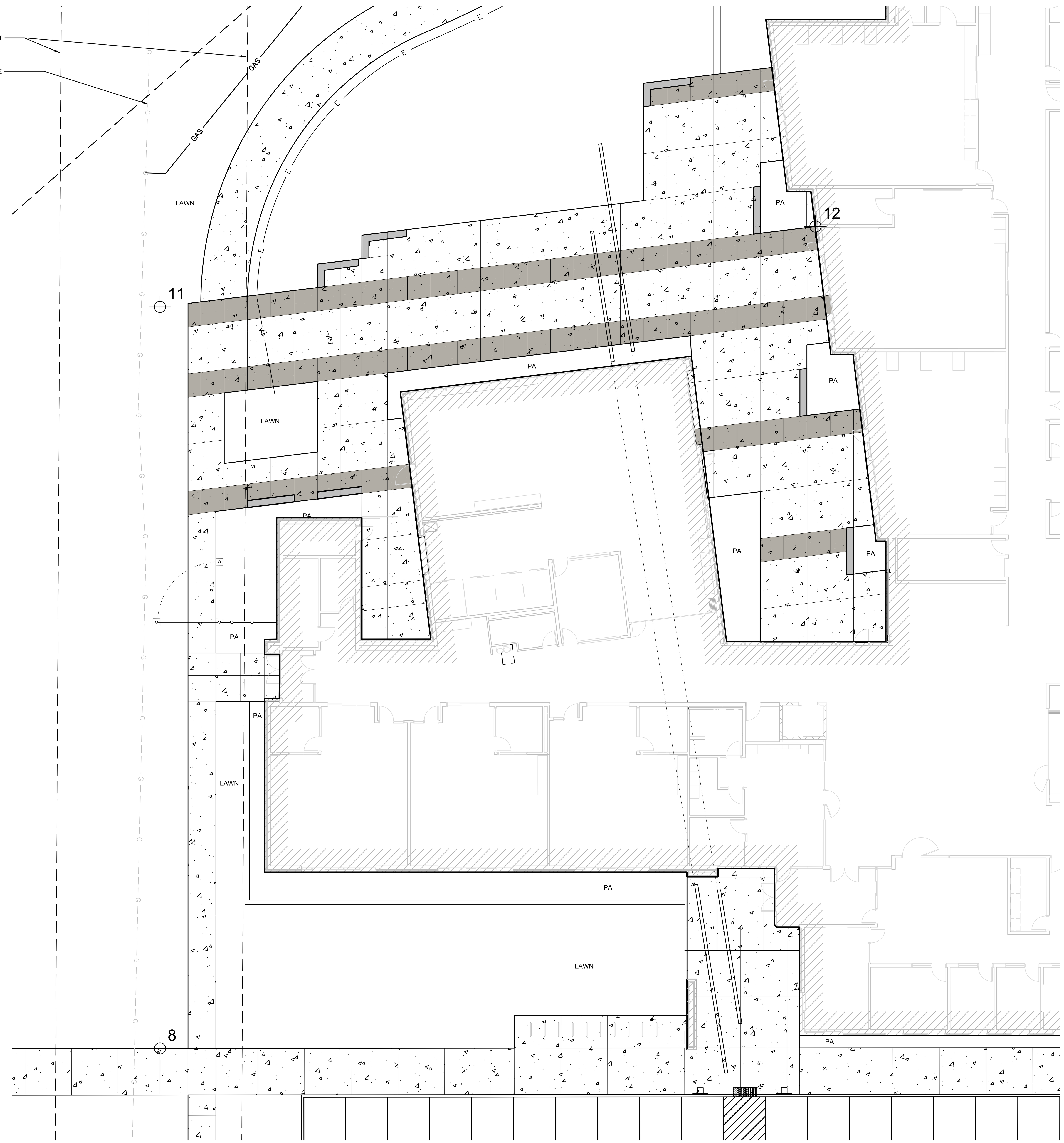

1 ENLARGED PLAN - OTA PLAZAS
1" = 10'

GRAPHIC SCALE
0 5 10 20 FEET
1" = 10 FEET

2180775-SH-SITE.DWG L116

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ENLARGED LAYOUT PLANS - OTA

L116

2180775-SH-SITE.DWG L116

Know what's **below.**
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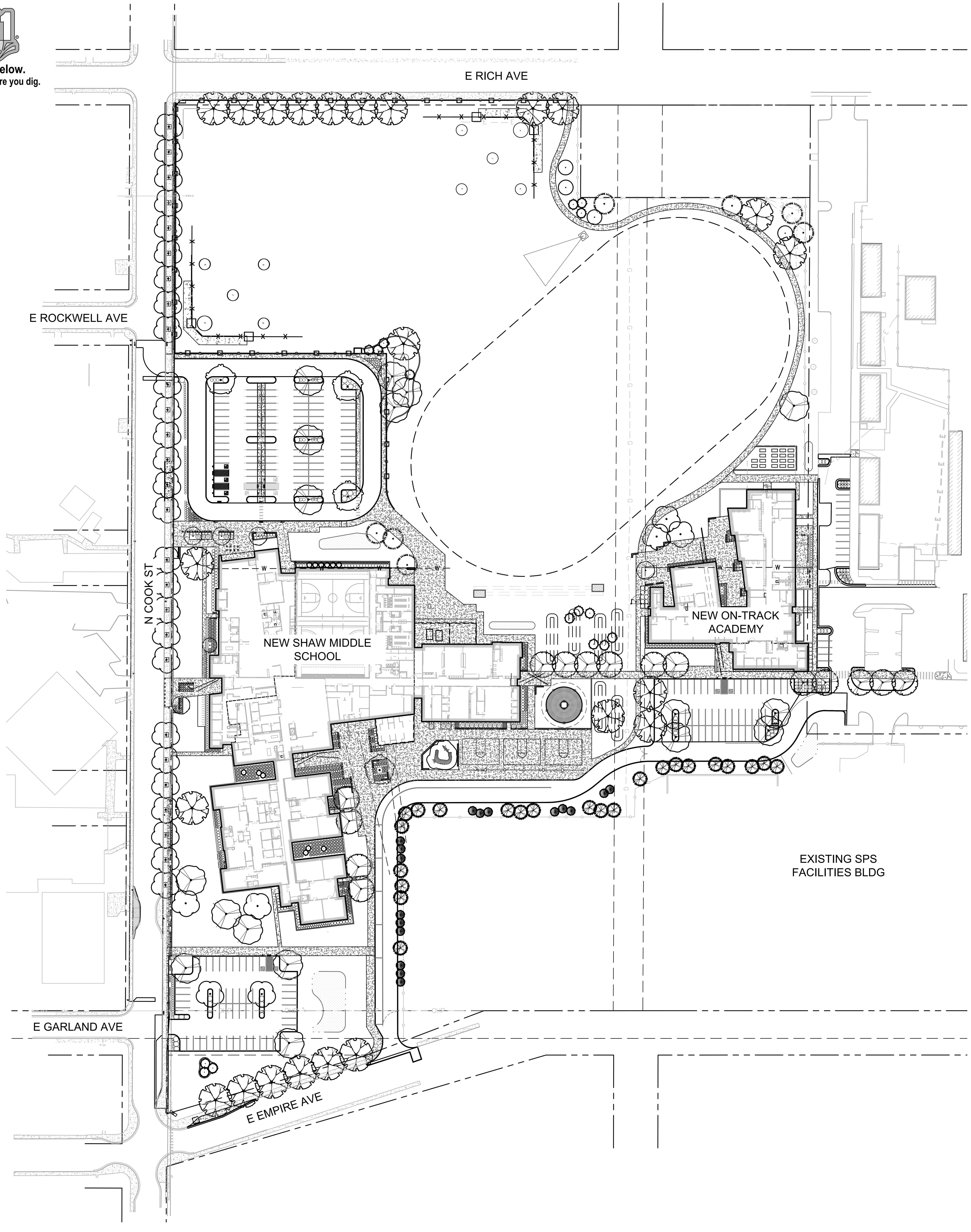

PLANT SCHEDULE

TREES	BOTANICAL NAME	COMMON NAME	SIZE	SPC.	HT.	QTY
	ABIES LASIOCARPA	SUBALPINE FIR	B&B		6` MIN. HT.	12
	CHIONANTHUS RETUSUS	CHINESE FRINGE TREE	B&B	2" CAL		5
	CLADRASTIS KENTUKEA	AMERICAN YELLOWWOOD	B&B	2" CAL		34
	GINKGO BILOBA	MAIDENHAIR TREE	B&B	2" CAL		20
	LARIX OCCIDENTALIS	WESTERN LARCH	B&B		12` MIN.	16
	PINUS SYLVESTRIS	SCOTCH PINE	B&B		8` MIN.	7
	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	B&B		8` MIN.	23
	QUERCUS MUEHLENBERGII	CHINKAPIN OAK	B&B	2" CAL		4
	THUJA PLICATA `FASTIGIATA`	UPRIGHT WESTERN RED CEDAR	B&B		8` MIN.	17
	ULMUS PARVIFOLIA	CHINESE LACEBARK ELM	B&B	2" CAL		23
	ULMUS X `FRONTIER`	AMERICAN ELM	B&B	2" CAL		15

SHRUBS	BOTANICAL NAME	COMMON NAME	CONT	QTY
	CORNUS SERICEA `ISANTI`	ISANTI REDOSIER DOGWOOD	3 GAL	57
	JUNIPERUS HORIZONTALIS `BLUE CHIP`	BLUE CHIP SPREADING JUNIPER	3 GAL	19
	JUNIPERUS SABINA `MONNA`	CALGARY CARPET JUNIPER	3 GAL	35
	MAHONIA REPENS	CREEPING MAHONIA	2 GAL	381
	RHUS AROMATICA `GRO-LOW`	GRO-LOW FRAGRANT SUMAC	2 GAL	87

GRASSES	BOTANICAL NAME	COMMON NAME	CONT	QTY
	BOUTELOUA GRACILIS `BLONDE AMBITION`	BLUE GRAMA	1 GAL	312
	CALAMAGROSTIS X ACUTIFLORA `OVERDAM`	OVERDAM FEATHER REED GRASS	2 GAL	92
	FESTUCA IDAHOENSIS `SISKIYOU BLUE`	SISKIYOU BLUE FESCUE	2 GAL	8
	HAKONECHLOA MACRA `ALL GOLD`	JAPANESE FOREST GRASS	1 GAL	200
	HELICTOTRICHON SEMPERVIRENS	BLUE OAT GRASS	1 GAL	37
	MISCANTHUS SINENSIS `LITTLE ZEBRA`	DWARF ZEBRA SILVER GRASS	2 GAL	57
	MISCANTHUS SINENSIS `SILBERFEDER`	SILVER FEATHER GRASS	2 GAL	54
	PENNISETUM ALOPECUROIDES `HAMELN`	HAMELN DWARF FOUNTAIN GRASS	1 GAL	94

GROUND COVERS	BOTANICAL NAME	COMMON NAME	CONT	SPACING	QTY
	BASALT CHIP MULCH	BASALT MULCH	MULCH		988 SF
	FESCUE MEADOW MIX	PERENNIAL RYE / BLUE FESCUE MIX	HYDROSEED		24,835 SF
	TOP DRESS TURF	TOP DRESS TURF	HYDROSEED		160,461 SF
	TURF SOD	TURF SOD	SOD		313,476 SF

GENERAL PLANTING NOTES

1. THESE PLANS ARE CONSIDERED INCOMPLETE WITHOUT THE ACCOMPANYING SPECIFICATIONS. NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY IF DISCREPANCIES BETWEEN PLANS AND SPECIFICATIONS OR DIFFERENCES BETWEEN SITE CONDITIONS AND THE PLANS ARE ENCOUNTERED. SEE SPECIFICATIONS FOR REQUIRED OWNER AND LANDSCAPE ARCHITECT INSPECTIONS.
2. PRIOR TO PLANTING, THE CONTRACTOR SHALL VERIFY SITE CONDITIONS MATCH THE APPROVED LANDSCAPE PLANS. NOTIFY THE LANDSCAPE ARCHITECT OF DISCREPANCIES INCLUDING UTILITY ENCLOSURES AND VAULTS, FIRE HYDRANTS, STREET AND SAFETY SIGNAGE, LIGHT POLES, CURBS, AND WALKWAYS.
3. VERIFY SUB-GRADE PREPARATION HAS BEEN COMPLETED PRIOR TO LANDSCAPE WORK. THE LANDSCAPE CONTRACTOR ACCEPTS SUB-GRADES UPON COMMENCEMENT OF WORK. OBTAIN WRITTEN APPROVAL OF FINISHED GRADES FROM PROJECT CIVIL ENGINEER PRIOR TO PLANTING.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING LOCATIONS OF ALL UTILITIES PRIOR TO PLANTING. CALL FOR UTILITY LOCATES PRIOR TO EXCAVATION.
5. VERIFY ALL PLANT MATERIAL QUANTITIES PRIOR TO INSTALLATION. ANY PLANT MATERIAL QUANTITIES LISTED ARE FOR THE CONVENIENCE OF THE CONTRACTOR. ACTUAL NUMBER OF SYMBOLS ON THE PLAN SHALL HAVE PRIORITY OVER QUANTITIES DESIGNATED IN THE PLANT SCHEDULE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COUNTING THE TOTAL NUMBER OF PLANTS INDICATED ON THE PLANS AND ESTIMATING GROUNDCOVER QUANTITIES.
6. CONTRACTOR SHALL FURNISH AND PAY FOR ALL CONTAINER OR FIELD GROWN TREES, SHRUBS AND GROUNDCOVERS, INCLUDING SEEDED AND SODDED TURF, HYDROMULCHES AND FLATTED GROUNDCOVERS. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE AND PAY FOR: PLANTING OF ALL PLANT MATERIALS; THE SPECIFIED GUARANTEE OF ALL PLANT MATERIALS; THE STAKING AND GUYING OF TREES AND THE CONTINUOUS PROTECTION OF ALL PLANT MATERIALS UPON THEIR ARRIVAL AT THE SITE.
7. PROVIDE TEMPORARY IRRIGATION TO LAWN AND PLANTING AREAS OUTSIDE THE LIMITS OF WORK.
8. NO TREE SHALL BE PLANTED WITHIN FIFTEEN (15) FEET OF ANY DRIVEWAY, ALLEY, STREET LIGHT, UTILITY POLE, UNDERGROUND UTILITY, NON-SAFETY STREET SIGN (EX. PARKING, STREET NAME) OR FIRE HYDRANT. NO TREE SHALL BE PLANTED WITHIN TWENTY (20) FEET OF A CRITICAL STREET SAFETY SIGN (EX. STOP, YIELD, OR PEDESTRIAN CROSSING). THE POTENTIAL PLACEMENT OF STREET SIGNS, STREET LIGHTS AND UTILITY POLES SHALL BE EVALUATED TO LESSEN THE CONFLICT WITH THE GROWTH OF EXISTING STREET TREES.
9. CONTRACTOR SHALL PLANT ALL TREES AND SHRUBS ACCORDING TO DETAIL V-101 AND V-102 ON SHEET L506. AFTER PLANTING IF TREES ARE UNSTABLE STAKING MAY BE USED BUT ONLY AS NECESSARY. AT 6 MONTHS ALL STAKING MATERIAL SHALL BE REMOVED. IF TREE IS STILL UNSTABLE AFTER 6 MONTHS TREE MAY NEED TO BE REPLACED.

N

GRAPHIC SCALE
0 10 20 40 FEET
1" = 20 FEET

2180775-SH-PLTG.DWG L120

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10 SOUTH CEDAR, SPOKANE, WA 99204
TELEPHONE: (509)838-8681 FAX: (509)838-2194

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OVERALL PLANTING PLAN

L120

2180775-SH-PLTG.DWG L120

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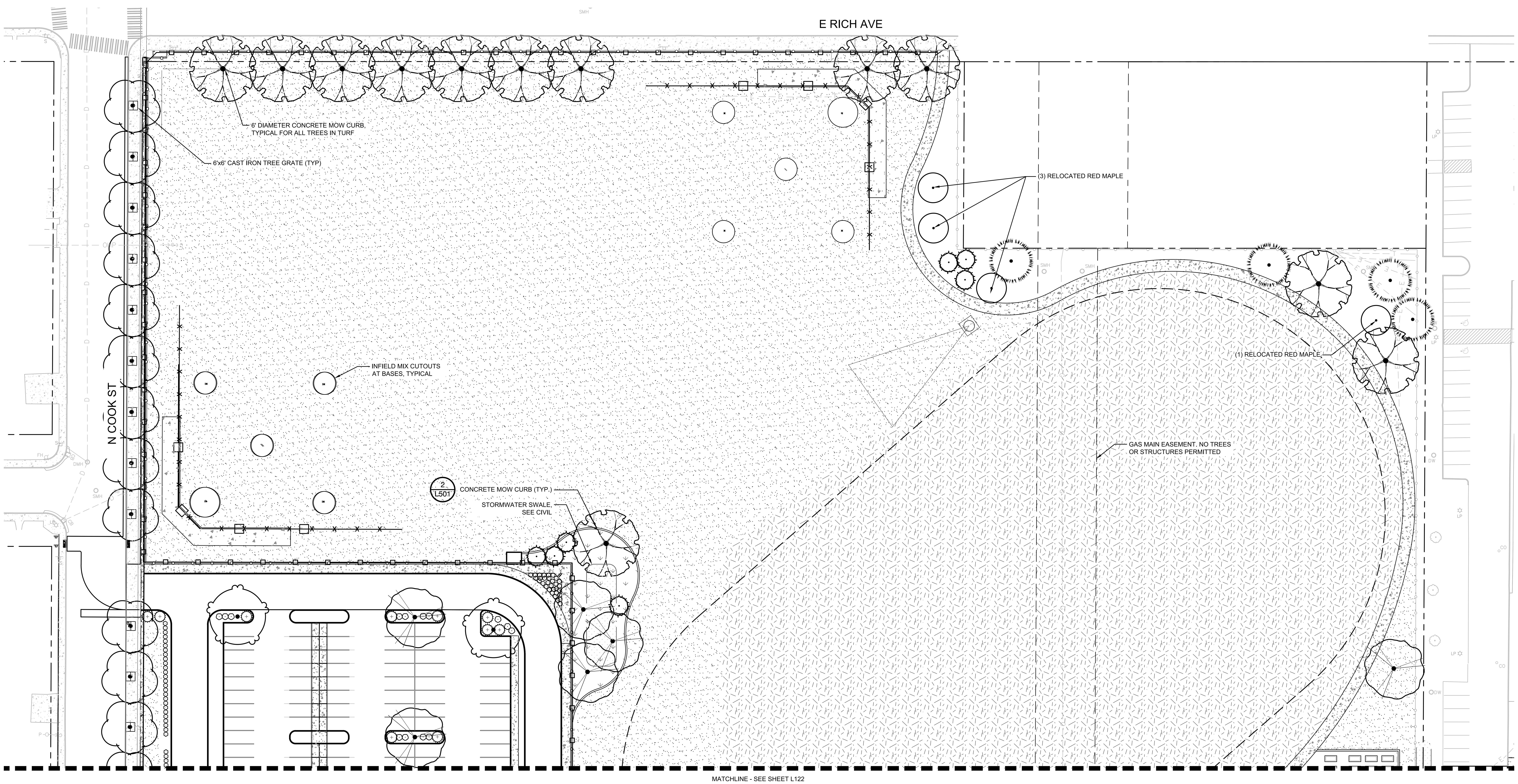
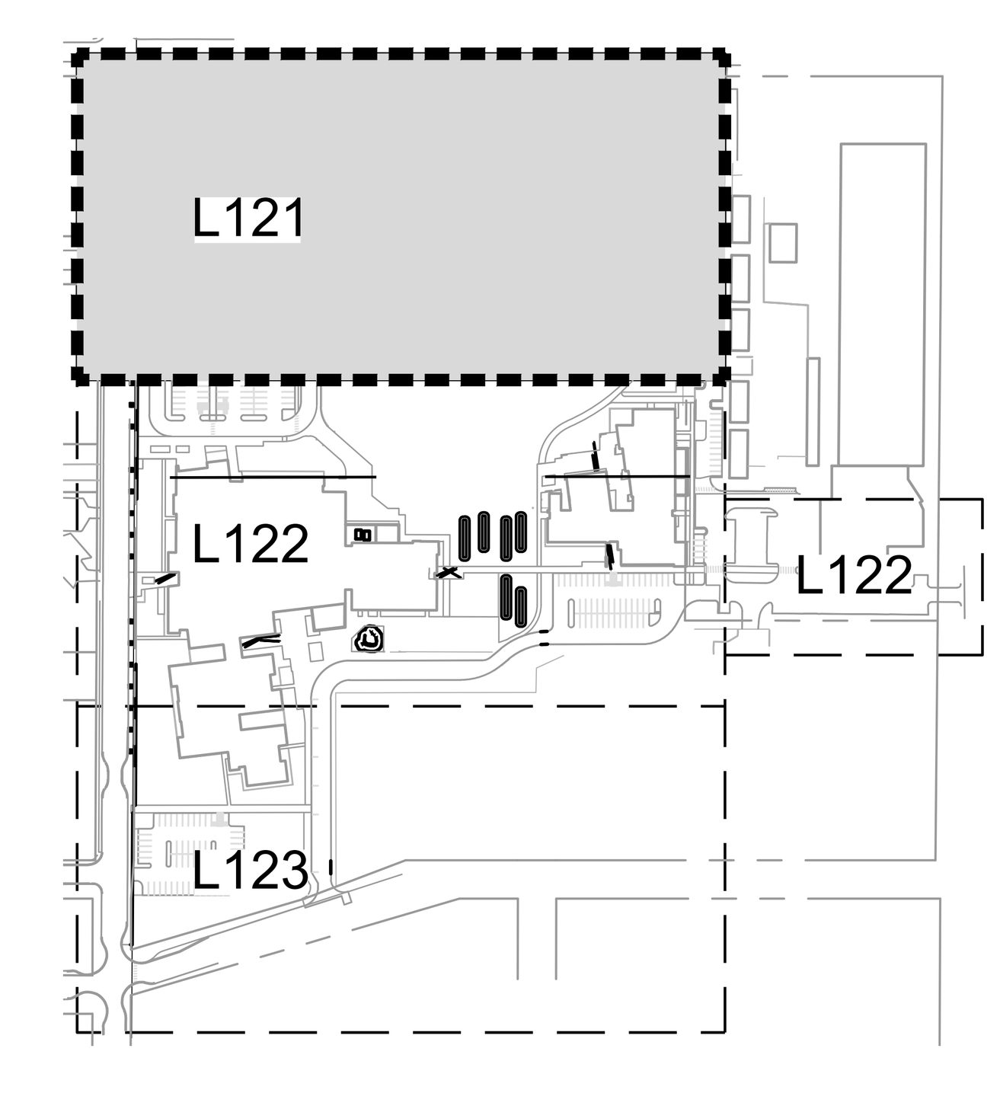


NOTES

1. SEE SHEET L120 FOR PLANT SCHEDULE.

KEY MAP



N

GRAPHIC SCALE
0 15 30 60 FEET
1" = 30 FEET

2180775-SH-PLTG.DWG L121

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PLANTING PLAN - NORTH

L121

2180775-SH-PLTG.DWG L121

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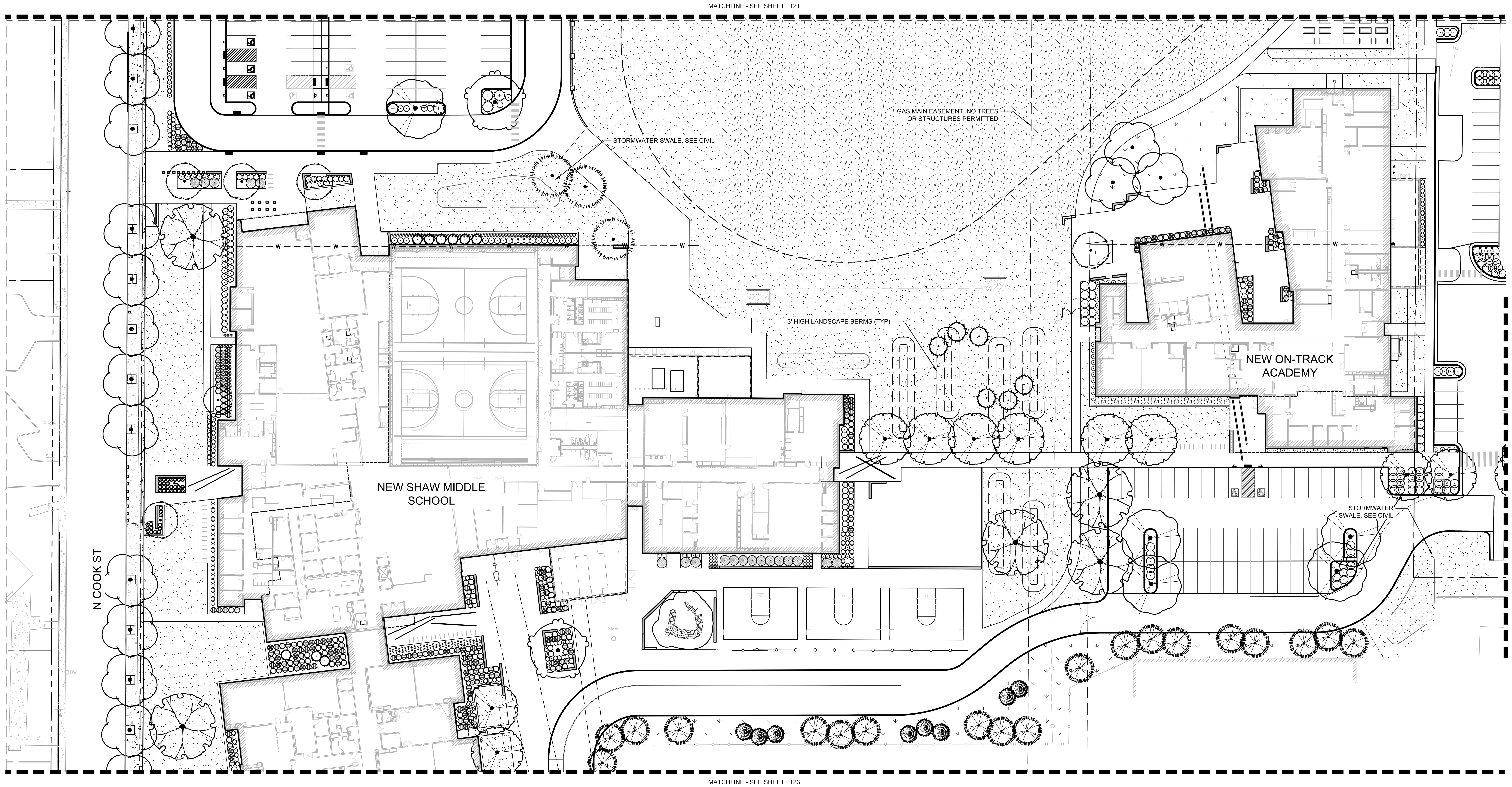
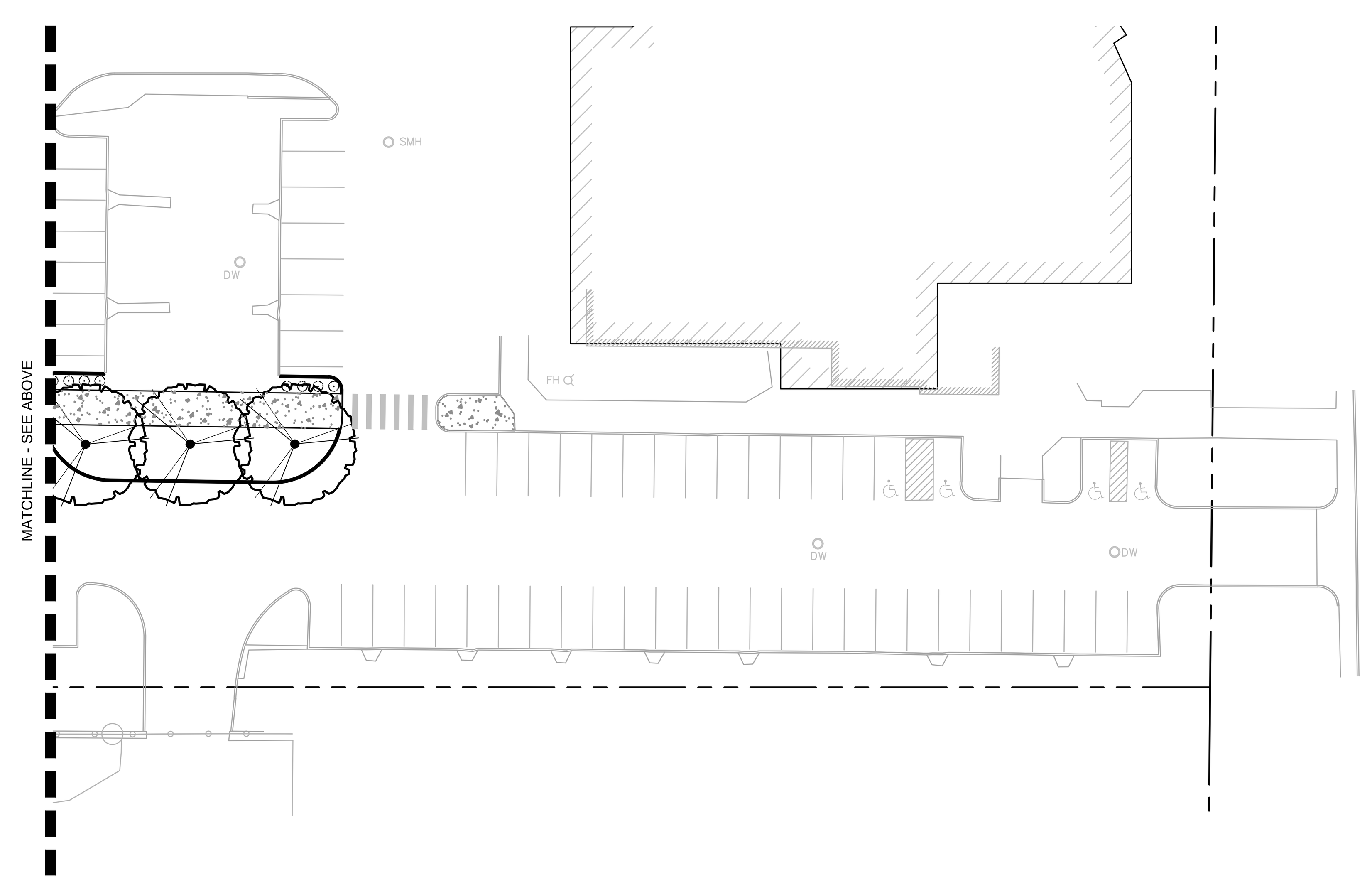
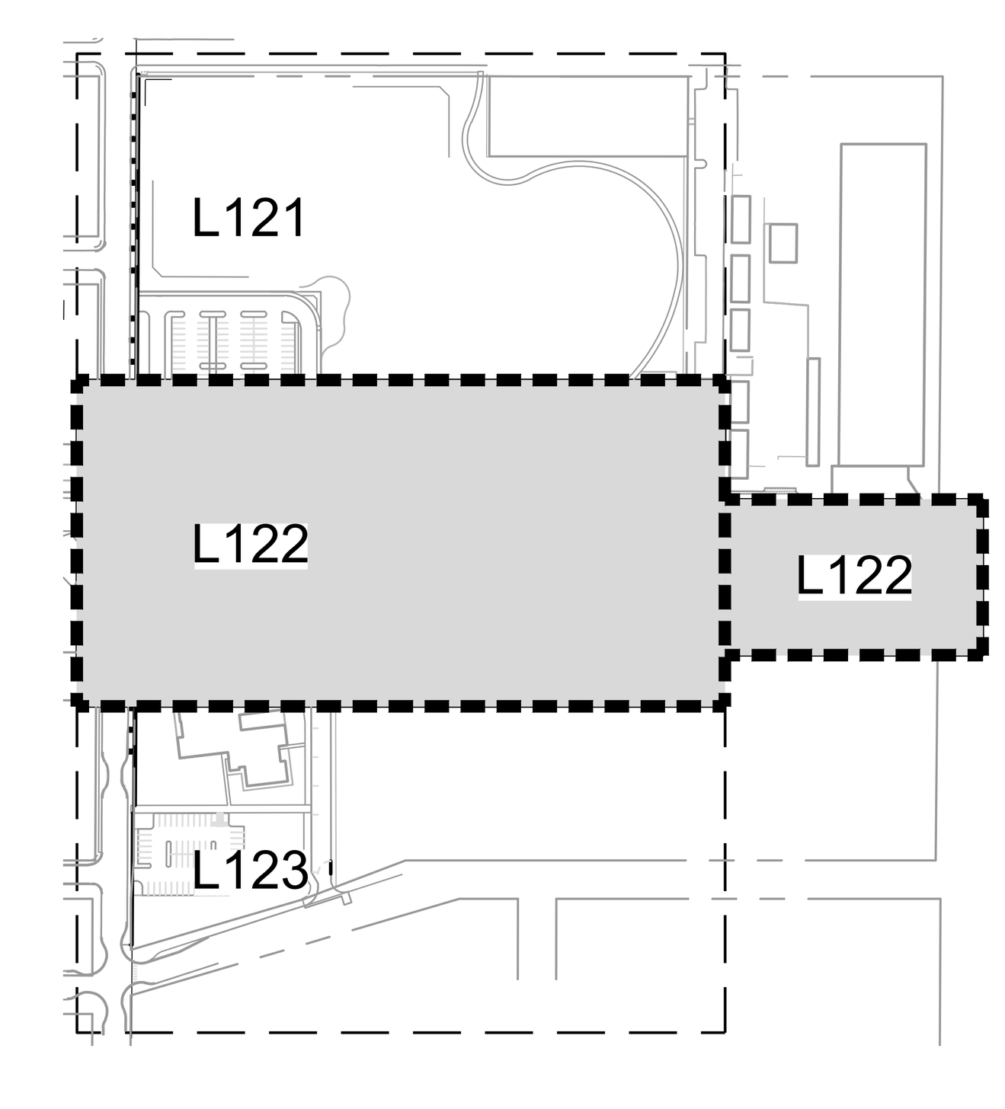


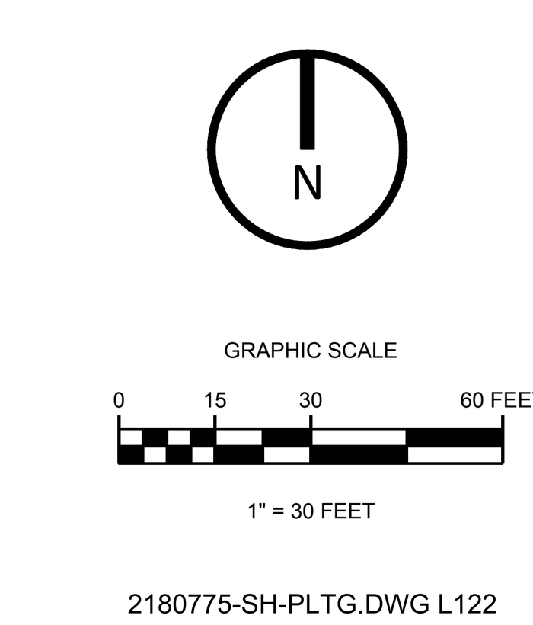


NOTES

1. SEE SHEET L120 FOR PLANT SCHEDULE.

KEY MAP





2180775-SH-PLTG.DWG L122

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2180775-SH-PLTG.DWG L122

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TELEPHONE: (509)838-8681 FAX: (509)838-2194

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PLANTING PLAN - CENTER

L122

Know what's **below.**
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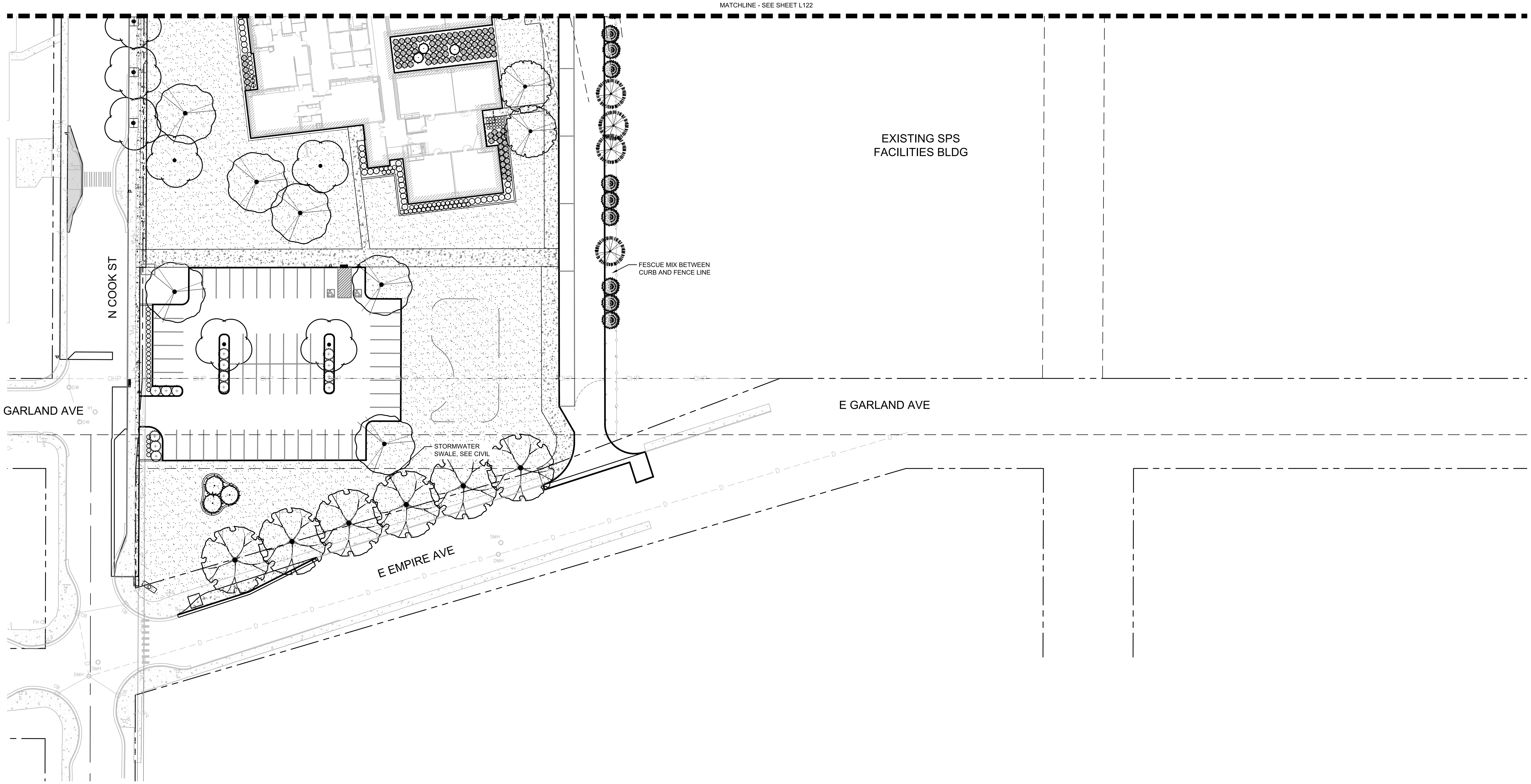
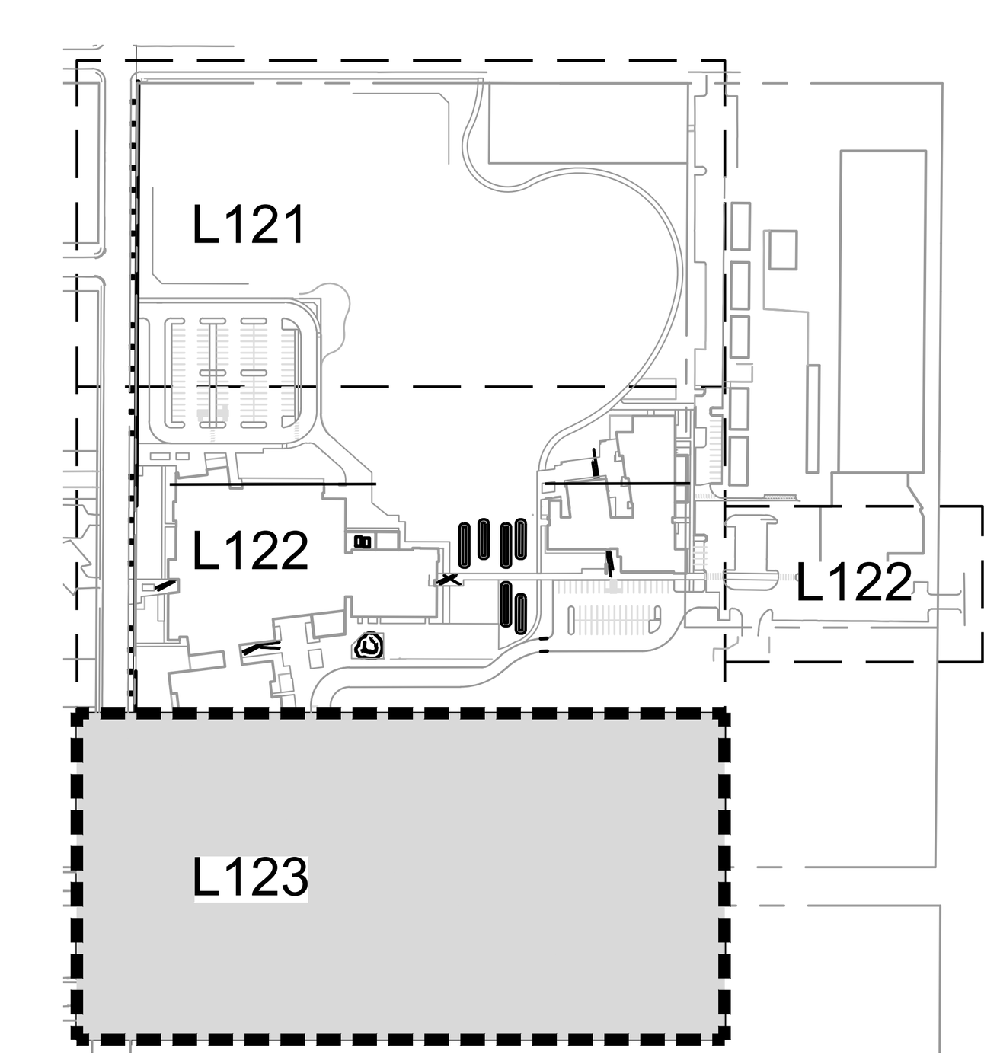
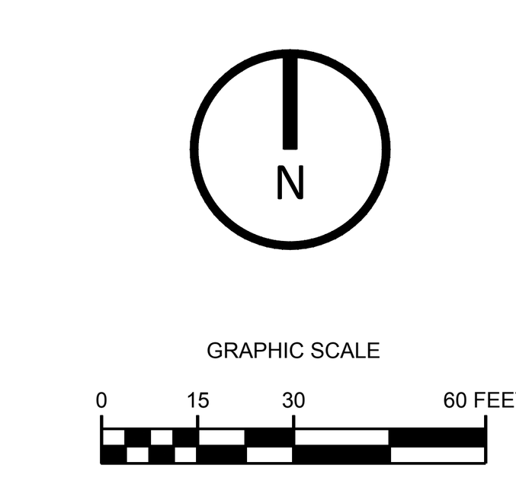


NOTES

1. SEE SHEET L120 FOR PLANT SCHEDULE.

KEY MAP





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PLANTING PLAN - SOUTH

L123

2180775-SH-PLTG.DWG L123

2180775-SH-PLTG.DWG L123

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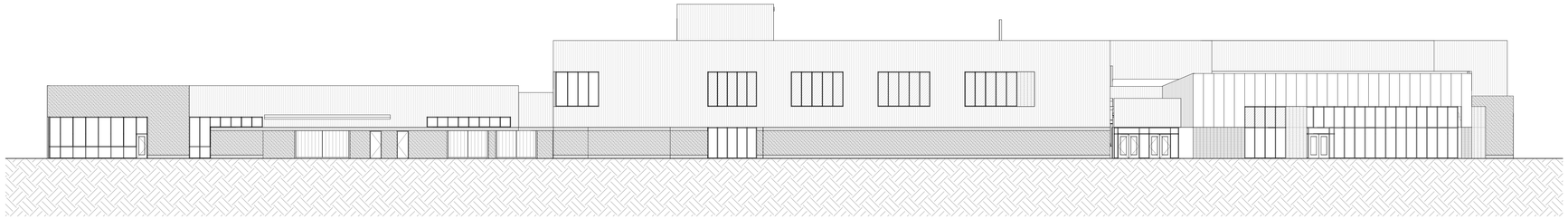
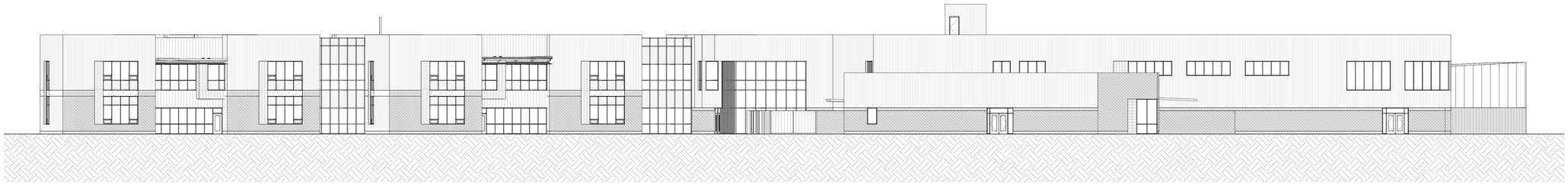
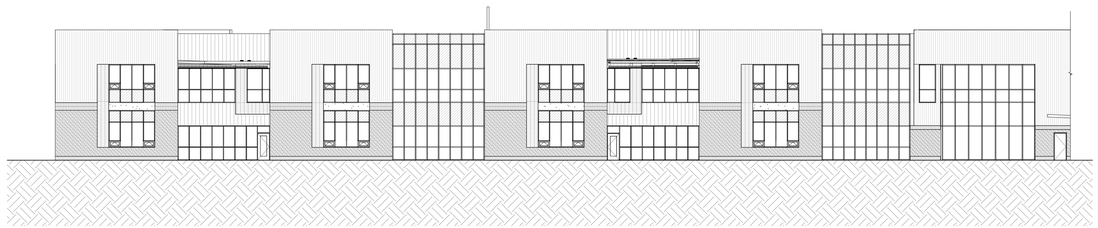


1 NORTH ELEVATION OVERALL
SCALE: 1/16" = 1'-0"



2 EAST ELEVATION OVERALL
SCALE: 1/16" = 1'-0"



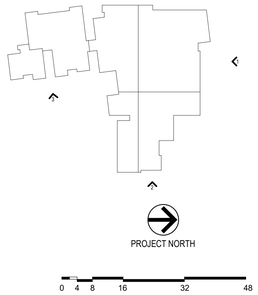
3 EAST (AT ANGLE) ELEVATION OVERALL
SCALE: 1/16" = 1'-0"

GENERAL ELEVATION NOTES

1. SEE OVERALL PLANS FOR STOREFRONT AND CURTAIN WALL FRAMING SYSTEM TYPE AND LOCATION.
2. EXTERIOR GLAZING TO BE (IG-1) UNLESS INDICATED OTHERWISE ON DRAWINGS OR AS INDICATED ON LEGEND FOR ACID-ETCHED GLASS.
3. PROVIDE OPERABLE WINDOWS AS SHOWN ON ELEVATIONS.
4. SEE MECHANICAL FOR LOUVER TYPES

LEGEND

	INDICATES BRICK VENEER - RUNNING BOND
	INDICATES BRICK VENEER - STACKED BOND
	INDICATES CMU
	INDICATES PROFILE METAL PANEL WALL
	INDICATES THIN SKIN METAL WALL PANEL
	INDICATES VERTICAL INSULATED METAL WALL PANEL
	INDICATES HORIZONTAL INSULATED METAL WALL PANEL
	INDICATES PHENOLIC WALL PANEL
	INDICATES FROSTED GLASS (IG-XX#)
CJ	VERTICAL CONTROL JOINT IN BRICK VENEER WALLS
RJ	HORIZONTAL RAKE JOINT IN CMU WALLS EVERY THIRD COURSE



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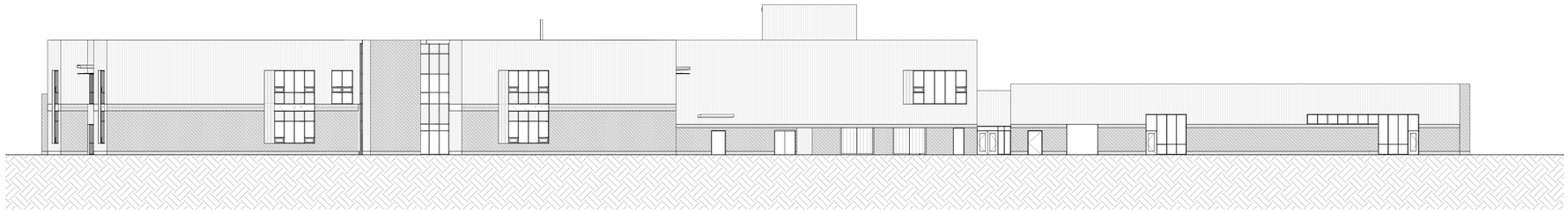
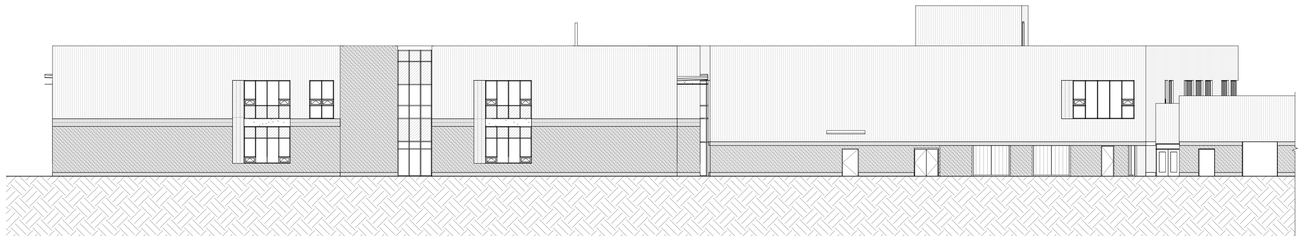
EXTERIOR ELEVATIONS - OVERALL

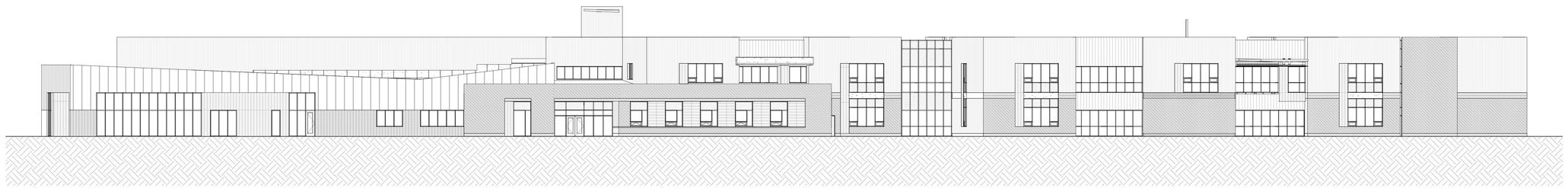
A201



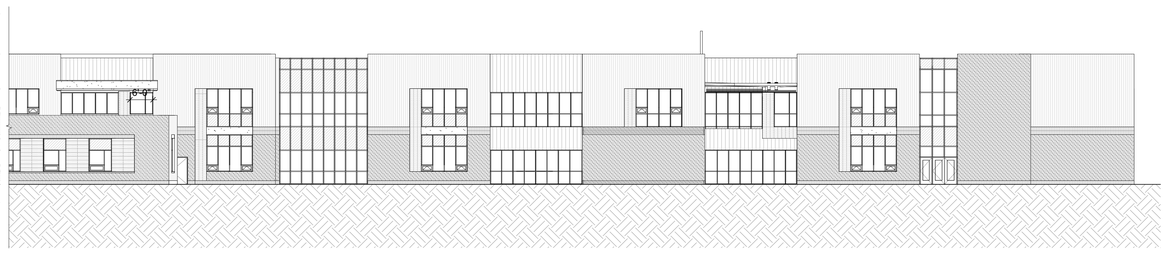
1 SOUTH ELEVATION OVERALL
SCALE: 1/16" = 1'-0"



2 SOUTH (AT ANGLE) ELEVATION OVERALL
SCALE: 1/16" = 1'-0"



3 WEST ELEVATION OVERALL
SCALE: 1/16" = 1'-0"



4 WEST (AT ANGLE) ELEVATION OVERALL
SCALE: 1/16" = 1'-0"

GENERAL ELEVATION NOTES

1. SEE OVERALL PLANS FOR STOREFRONT AND CURTAIN WALL FRAMING SYSTEM TYPE AND LOCATION.
2. EXTERIOR GLAZING TO BE (IG-1) UNLESS INDICATED OTHERWISE ON DRAWINGS OR AS INDICATED ON LEGEND FOR ACID-ETCHED GLASS.
3. PROVIDE OPERABLE WINDOWS AS SHOWN ON ELEVATIONS.
4. SEE MECHANICAL FOR LOUVER TYPES

LEGEND

	IINDICATES BRICK VENEER - RUNNING BOND
	IINDICATES BRICK VENEER - STACKED BOND
	INDICATES CMU
	INDICATES PROFILE METAL PANEL WALL
	INDICATES THIN SKIN METAL WALL PANEL
	INDICATES VERTICAL INSULATED METAL WALL PANEL
	INDICATES HORIZONTAL INSULATED METAL WALL PANEL
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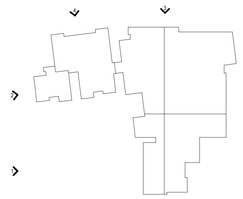
	INDICATES FROSTED GLASS (IG-XX#)
CJ	VERTICAL CONTROL JOINT IN BRICK VENEER WALLS
RJ	HORIZONTAL RAKE JOINT IN CMU WALLS EVERY THIRD COURSE



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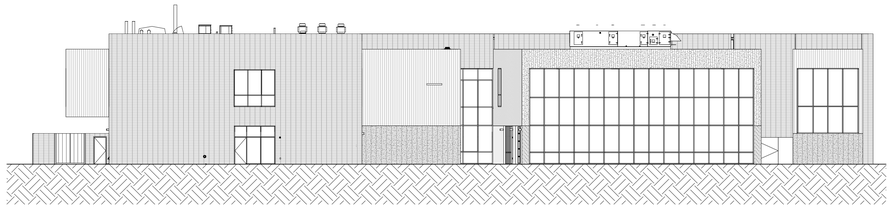
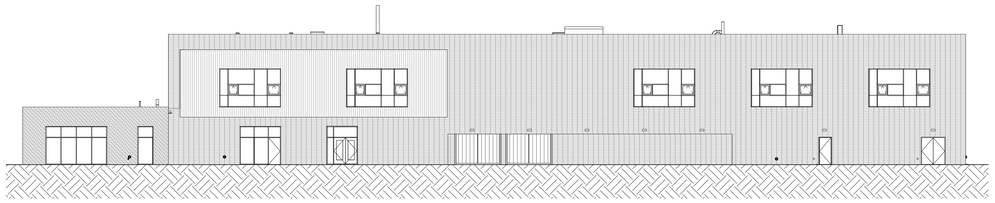
EXTERIOR ELEVATIONS - OVERALL

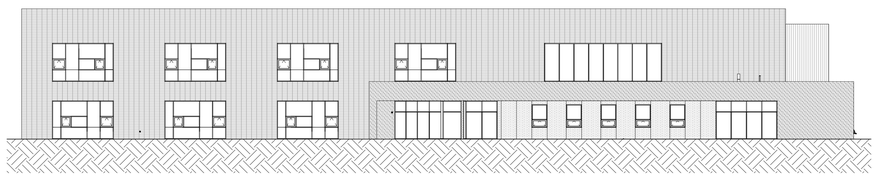
A202



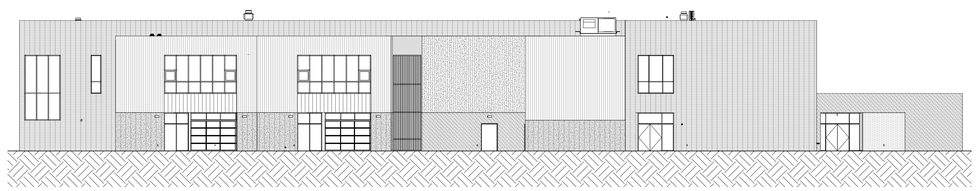
1 NORTH ELEVATION OVERALL
SCALE: 1/16" = 1'-0"



2 EAST ELEVATION OVERALL
SCALE: 1/16" = 1'-0"



3 SOUTH ELEVATION OVERALL
SCALE: 1/16" = 1'-0"



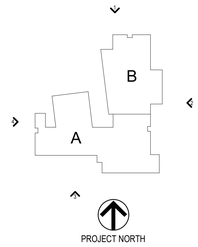
4 WEST ELEVATION OVERALL
SCALE: 1/16" = 1'-0"

GENERAL ELEVATION NOTES

1. SEE OVERALL PLANS FOR STOREFRONT AND CURTAIN WALL FRAMING SYSTEM TYPE AND LOCATION.
2. EXTERIOR GLAZING TO BE (IG-1) UNLESS INDICATED OTHERWISE ON DRAWINGS OR AS INDICATED ON LEGEND FOR ACID-ETCHED GLASS.
3. PROVIDE OPERABLE WINDOWS AS SHOWN ON ELEVATIONS.
4. SEE MECHANICAL FOR LOUVER TYPES

LEGEND

	INDICATES BRICK VENEER
	INDICATES CMU VENEER - COLOR; BUFF
	INDICATES CMU VENEER - COLOR; GREY
	INDICATES PROFILE METAL PANEL WALL - COLOR; GREY
	INDICATES PROFILE METAL PANEL WALL - COLOR; RUST
	INDICATES THIN SKIN METAL WALL PANEL
	INDICATES HIGH PRESSURE LAMINATE WALL PANEL
	INDICATES FROSTED GLASS (IG-DP2)
CJ	VERTICAL CONTROL JOINT IN BRICK VENEER WALLS
RJ	HORIZONTAL RAKE JOINT IN CMU WALLS EVERY COURSE



50% CONSTRUCTION DOCUMENTS

integrus ARCHITECTURE
10 SOUTH CEDAR, SPOKANE, WA. 99204
TELEPHONE (509)838-3687 FAX (509)838-2194

SPOKANE PUBLIC SCHOOLS
ON TRACK ACADEMY

2802 E RICH AVE
SPOKANE, WA. 99207

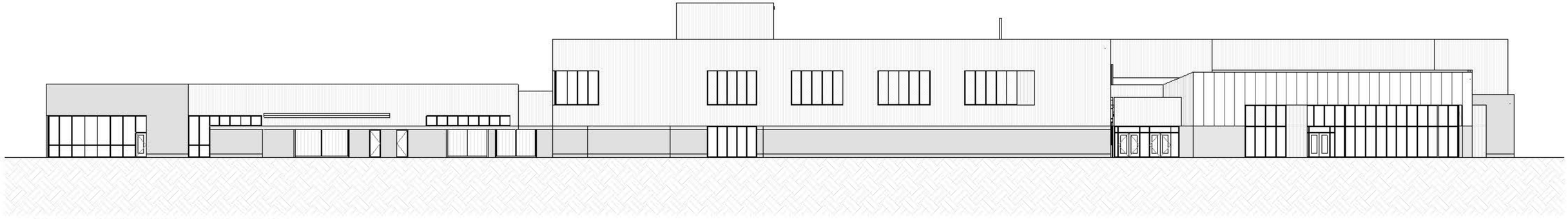
Date:	11-08-2019
Job No.:	21838.10
Drawn By:	Author
Checked by:	Checker

Revisions

#	Date	Description

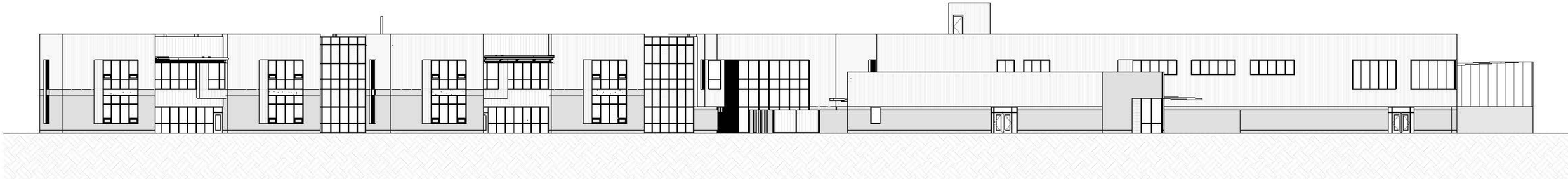
EXTERIOR ELEVATIONS - OVERALL

A201



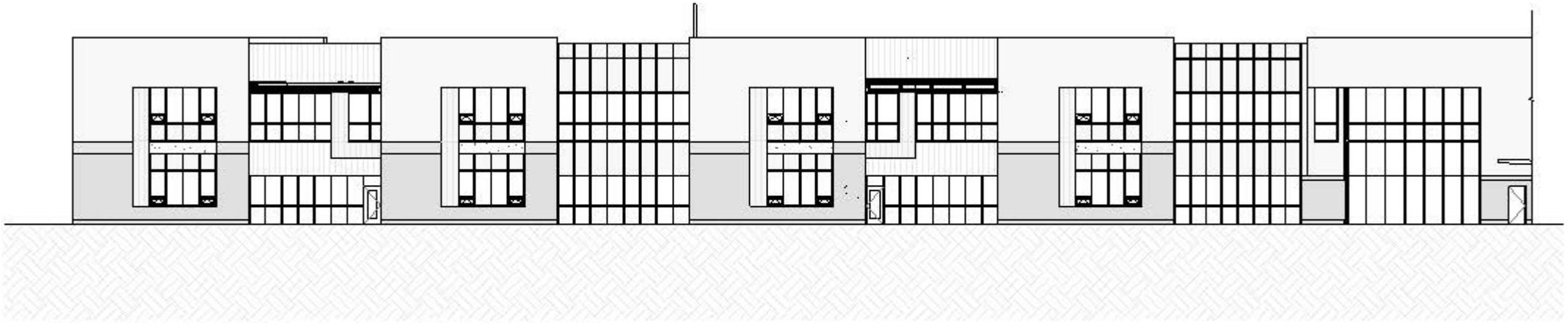
1 NORTH ELEVATION OVERALL

SCALE: 1/16" = 1'-0"



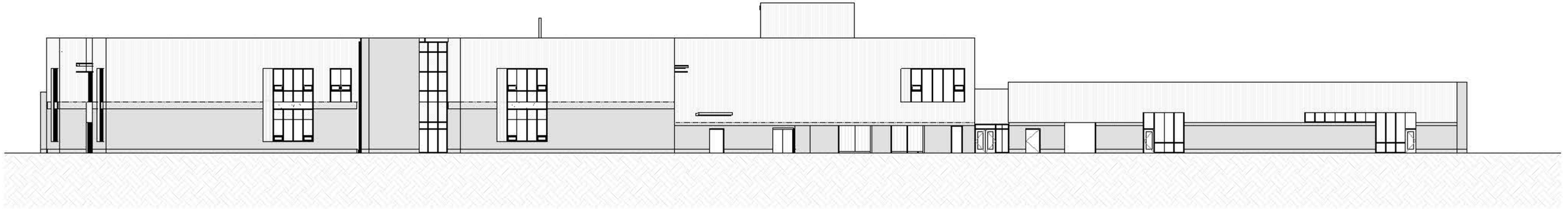
2 EAST ELEVATION OVERALL

SCALE: 1/16" = 1'-0"



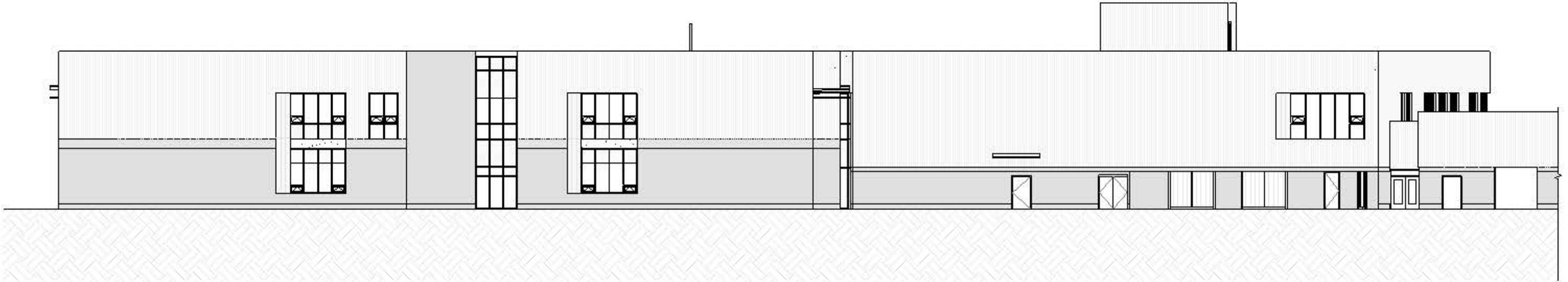
3 EAST (AT ANGLE) ELEVATION OVERALL

SCALE: 1/16" = 1'-0"



1 SOUTH ELEVATION OVERALL

SCALE: 1/16" = 1'-0"

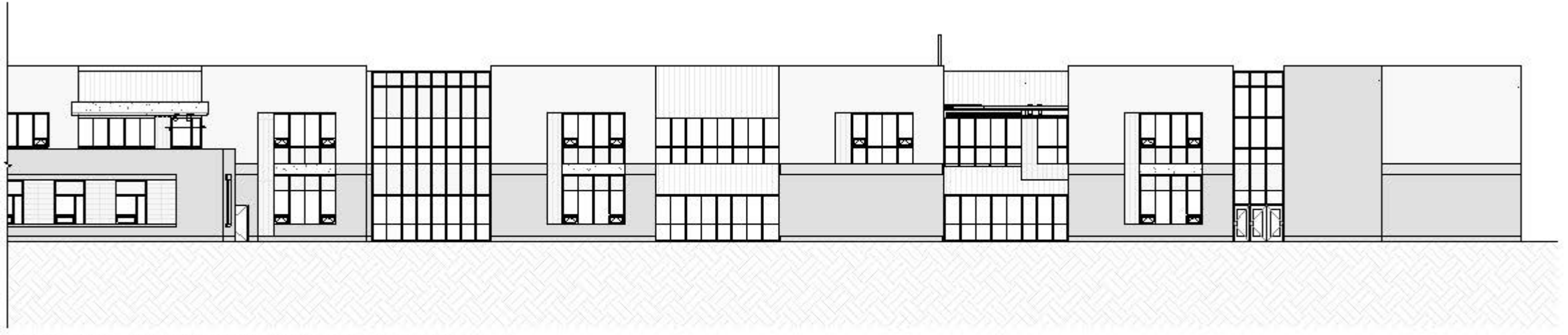


2 SOUTH (AT ANGLE) ELEVATION OVERALL

SCALE: 1/16" = 1'-0"

3 WEST ELEVATION OVERALL

SCALE: 1/16" = 1'-0"



4 WEST (AT ANGLE) ELEVATION OVERALL

SCALE: 1/16" = 1'-0"

DESIGN REVIEW BOARD FILE NO.DRB 1921

Shaw Middle School

1 - Program Review/Collaborative Workshop

Design Review Staff Report October 21, 2019

Staff:
Taylor Berberich, Urban Designer

Dean Gunderson, Senior Urban Designer

Neighborhood & Planning Services
808 W. Spokane Falls Blvd.
Spokane, WA 99201

Applicant:
Spokane School District

Ty Miller
Integrus Architecture

Design Review Board Authority

Spokane Municipal Code Chapter 04.13 Design Review Board
A. Purpose. The design review board is hereby established to:

1. improve communication and participation among developers, neighbors and the City early in the design and siting of new development subject to design review under the Spokane Municipal Code;
2. ensure that projects subject to design review under the Spokane Municipal Code are consistent with adopted design guidelines and help implement the City's Comprehensive Plan.
3. advocate for the aesthetic quality of Spokane's public realm;
4. encourage design and site planning that responds to context, enhances pedestrian characteristics, considers sustainable design practices, and helps make Spokane a desirable place to live, work and visit.
5. provide flexibility in the application of development standards as allowed through development standard departures; and
6. ensure that public facilities and projects within the City's right of way:
   a. wisely allocate the City's resources,
   b. serve as models of design quality

Under SMC **Section 17G.040.020 Design Review Board Authority**, all public projects or structures are subject to design. Recommendations of the Design Review Board must be consistent with regulatory requirements per Section 17G.040.080 **Design Review Board**

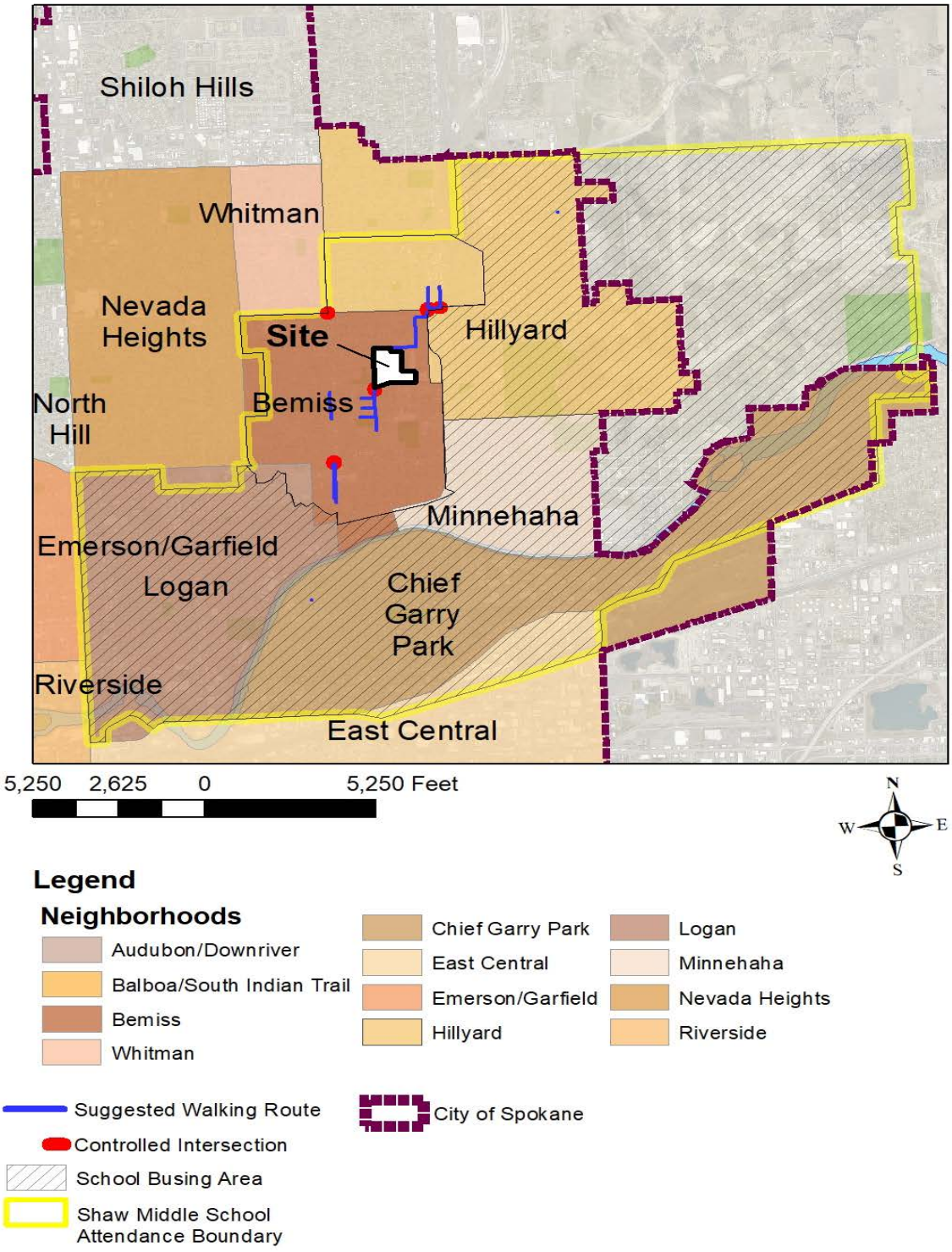
Advisory Actions.
Advisory Actions of the Design Review Board will be forwarded to the Planning Director, Development Services, and the chair of the affected Neighborhood Councils.

Project Description

Please see applicant's submittal information.

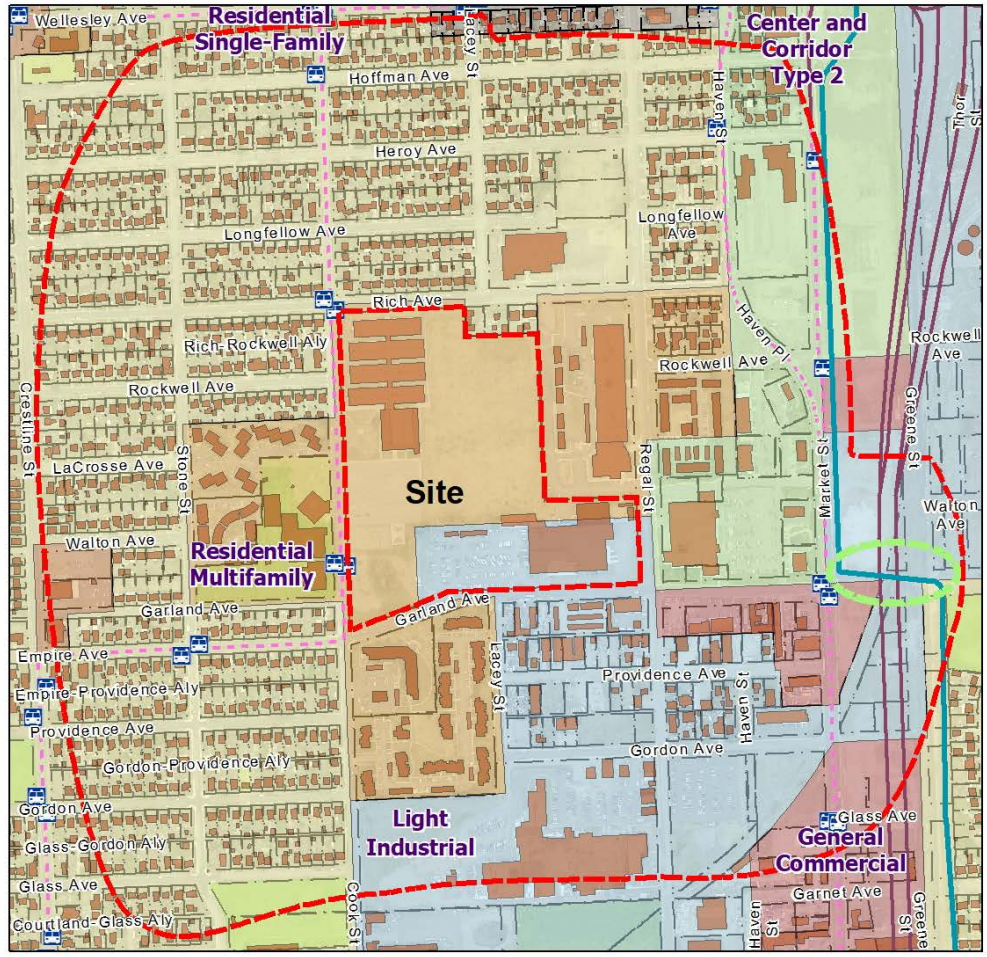
Location & Context

Map 1: Regional Context- Attendance Boundary



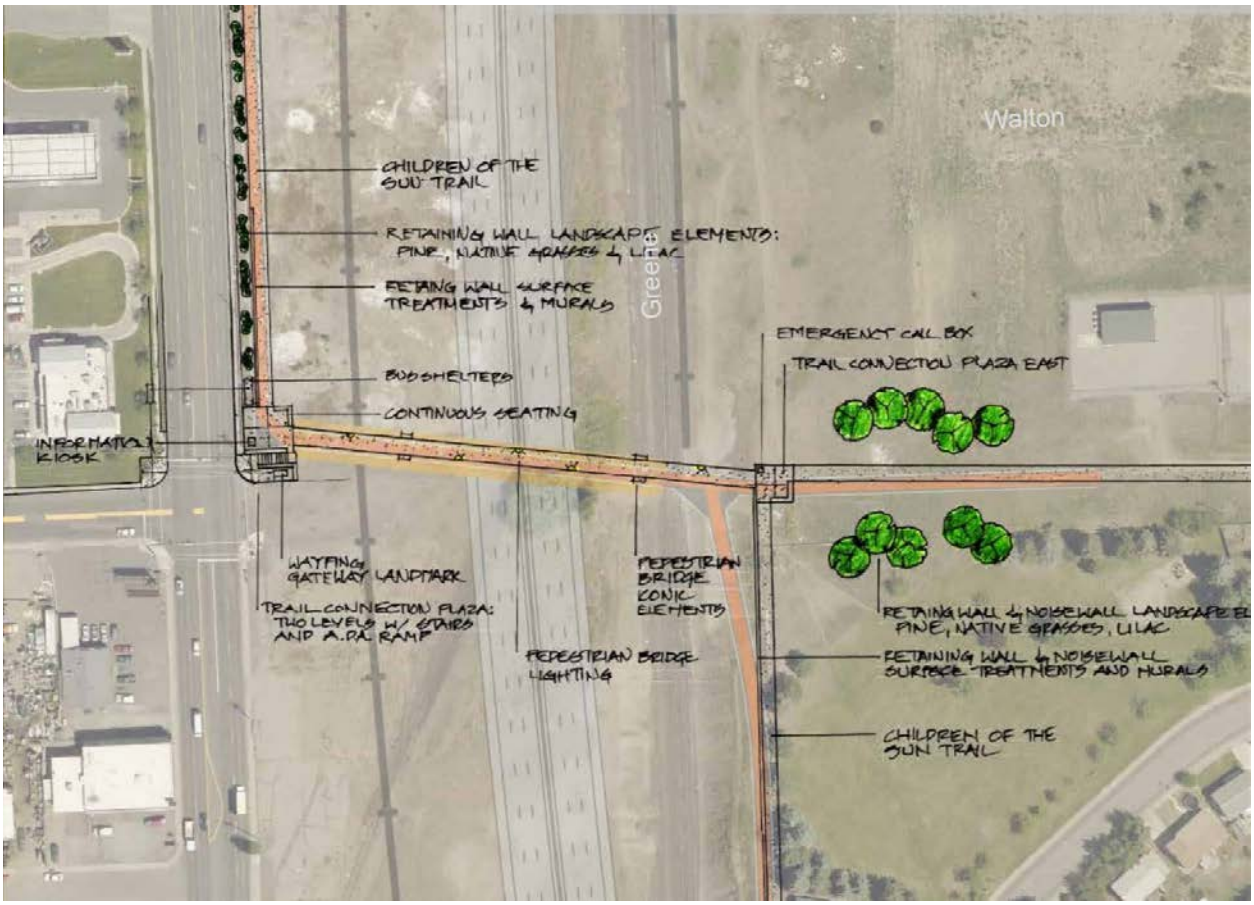
The project is located at 4106 N. Cook Street in the Bemiss Neighborhood. In addition to Bemiss, Shaw Middle School's attendance boundary services the Hillyard, Minnehaha, Logan, East Central and Chief Garry Park neighborhoods as wells a portion of Spokane County.

Map 2: Local Context- Zoning and Nearby Facilities



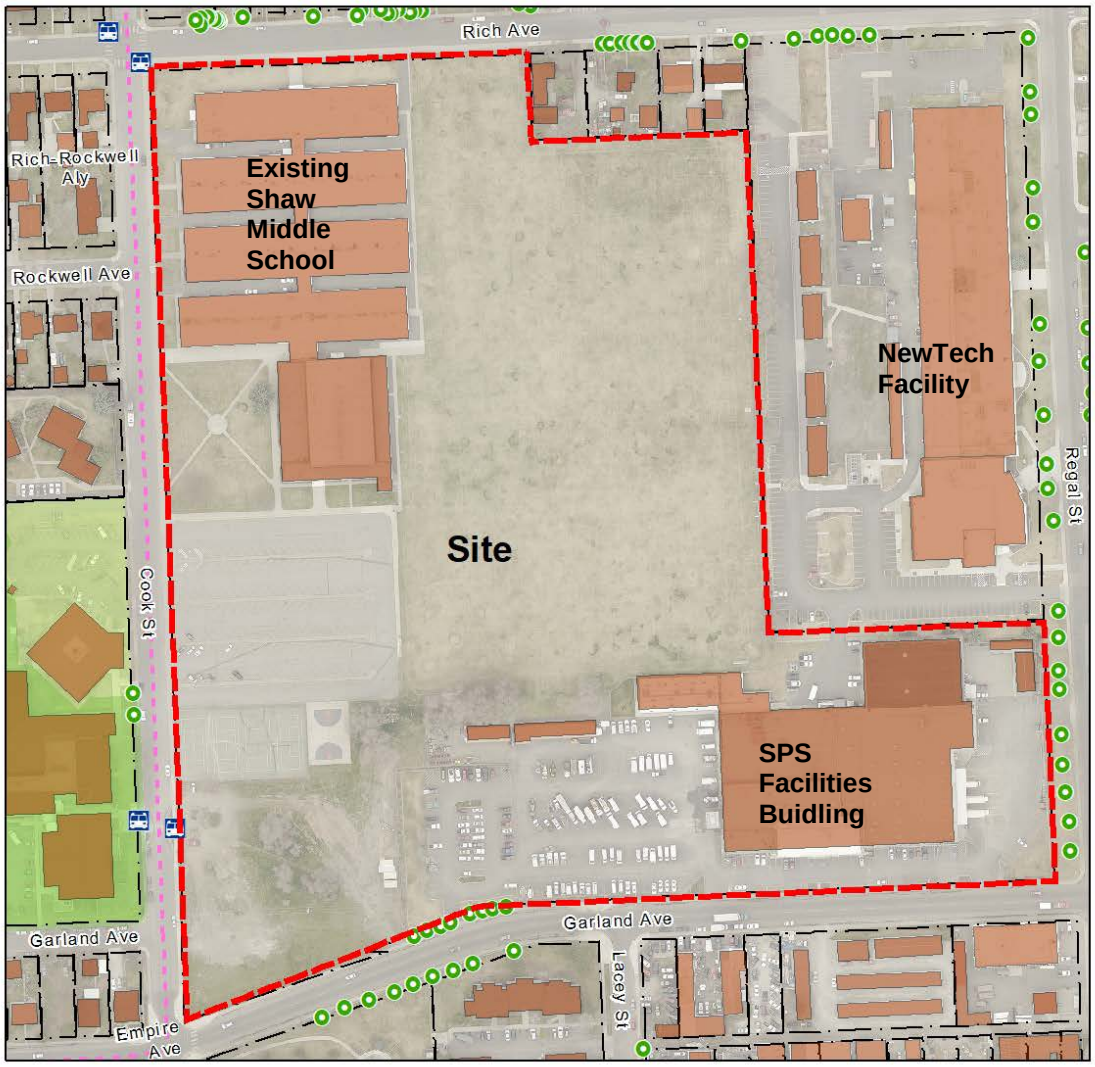
The parcel is zoned Residential Multifamily (RMF) and is situated west of the Northeast Community Center and current Hillyard Library. Regal Elementary is North of Shaw, and the Newtech (A 9-12 grade skills center) facility is to the east. The 27 STA bus route operates along Cook Street between Shaw Middle School and the Northeast Community Center at a 30-minute frequency, with stops right in front of the community center and the proposed new entrance to the school. The 33 STA bus route operates along Market and Haven Streets on a 15-minute frequency; it is further to the east and the nearest bus stop is a 5-10 minute walk to the school.

NSC/Children of the Sun Trail: Garland Placemaking Concept



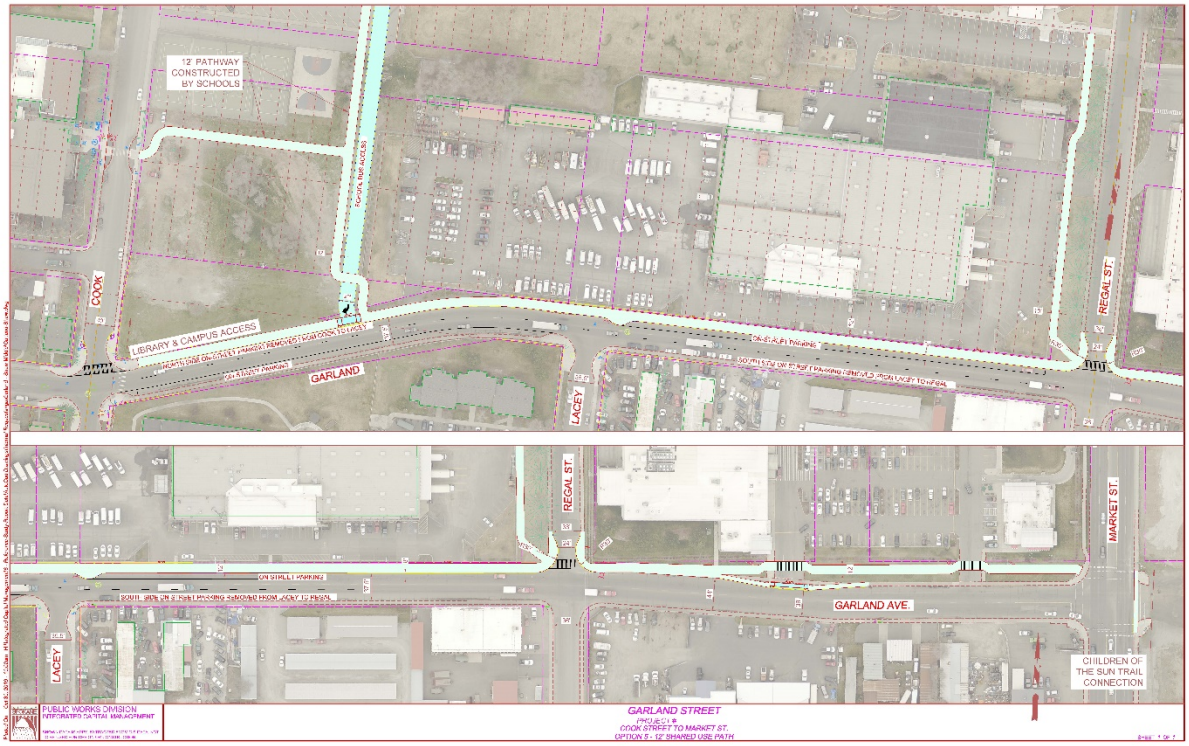
The North Spokane Corridor (NSC) also includes improvements to the Children of the Sun trail, with plans to construct a pedestrian bridge over the new highway. The new bridge crosses Market Street at E. Garland Avenue and extends over the new highway, ending on the east side of Greene Street and the continuation of the Children of the Sun Trail to the south and west. The trail and bridge will both include placemaking elements to express the unique character of the neighborhood.

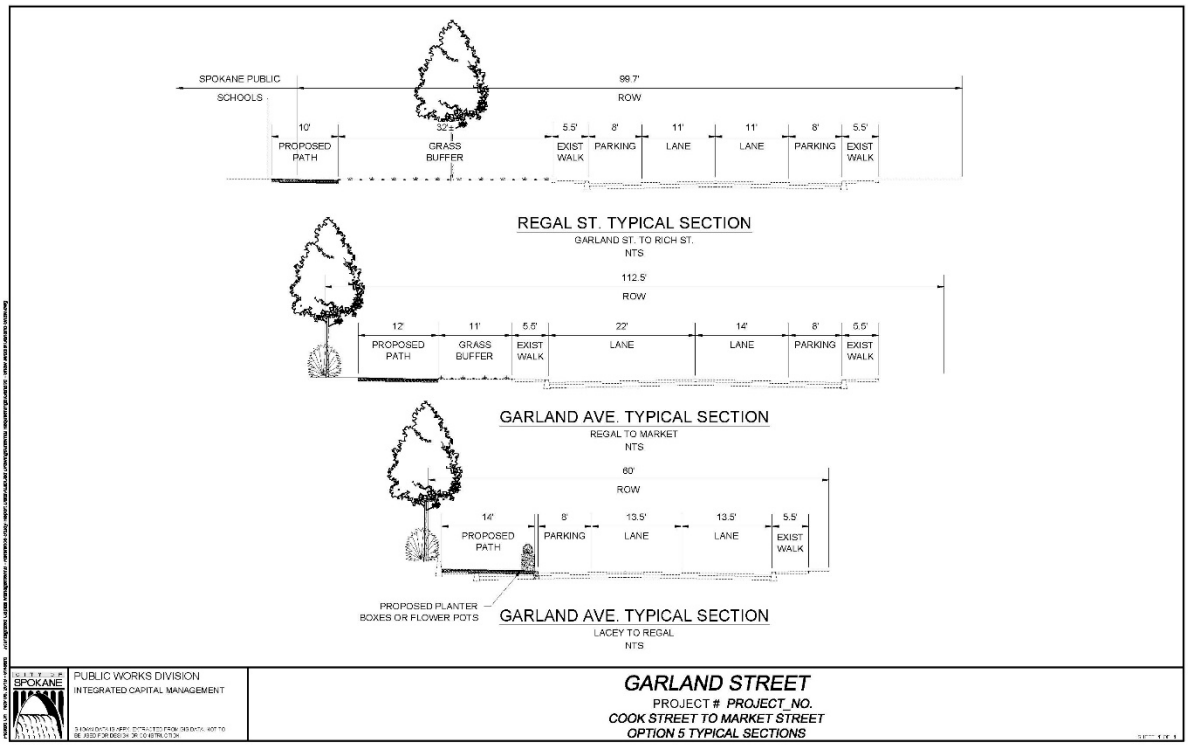
Map 3: Site Context



The current school is located on the Northwest corner of the parcel, with the facilities building for Spokane Public Schools located on the southeast corner of the same parcel. Empire/Garland Avenue located to the south is designated a minor arterial as well as a shared roadway on the Spokane Regional Bike Map. Both Cook Street and Rich Avenue are designated as local streets.

The figures below indicates the proposed trail improvements along Garland Avenue that will be constructed from Market Street to Cook Street. This public work is slated for construction to coincide the redevelopment of the Shaw Middle School site.





Regulatory Analysis

Zoning Code Requirements

The site is zoned Residential Multifamily. The applicant will be expected to meet zoning code requirements. Applicants should contact Current Planning Staff with any questions about these requirements.

Recommendations of the Design Review Board must be consistent with adopted regulations. The DRB may not waive any code requirements.

The pre-development report is included at the end of this document.

Note: This project is located near a project of city-wide importance, which is located east of the proposed North Spokane Corridor and will be constructing a portion of the pedestrian trail connection along Wildhorse Park (part of the Pedestrian overpass over the NSC that will accommodate Middle School students from Minnehaha Neighborhood. The staff report for the additional project is attached at the end of this report.

Institutional Design Standards: Design standards in the code appear in the form of Requirements (R), Presumptions (P), and Considerations (C). Upon request of the applicant, the board may offer some flexibility from certain eligible code "design standards" if the board recommends that the proposed solution is equal or better than what is required, and still meets the purpose of the standard.

Section 17C.110.500 Design Standards Implementation:

The design standards and guidelines found in SMC 17C.110.510 through SMC 17C.110.565 and 17C.110.575 follow SMC 17C.110.500, Design Standards Administration. All projects must address the pertinent design standards and guidelines. Design standards are in the form of Requirements (R), Presumptions (P), and Considerations (C). Regardless of which term is used, an applicant must address each guideline. An applicant may seek relief through chapter 17G.030 SMC, Design Departures, for those eligible standards and guidelines contained in the zoning code.

SMC 17C.110.520 **Lighting**: The applicant's conceptual renderings indicate lighting will be provided on-site. While not required at the collaborative workshop stage, the lighting should be developed in accordance with the city design standard.

Section 17C.110.540 **Pedestrian Connections in Parking Lots:** The standard states "within parking lots containing more than thirty stalls, clearly defined pedestrian connections shall be provided." All three parking lots on the proposed site plan exceed thirty stalls, and will therefor need to include pedestrian connections.

SMC 17C.110.560 **Massing**: The purpose of this section is "to reduce the apparent bulk of the buildings by providing a sense of 'base' and 'top.'" The current building may need to be revised to meet this provision.

City of Spokane Comprehensive Plan

Comprehensive Plan link

CHAPTER 1: LAND USE

LU 1 CITYWIDE LAND USE

LU 1.1 Neighborhoods: Utilize the neighborhood concept as a unit of design for planning housing, transportation, services, and amenities.

LU 1.12 Public Facilities and Services: Ensure that public facilities and services systems are adequate to accommodate proposed development before permitting development to occur.

LU 4 TRANSPORTATION

LU 4.1 Land Use and Transportation: Coordinate land use and transportation planning to result in an efficient pattern of development that supports alternative transportation modes consistent with the

Transportation Chapter and makes significant progress toward reducing sprawl, traffic congestion, and air pollution.

LU 4.4 Connections: Form a well-connected network which provides safe, direct and convenient access for all users, including pedestrians, bicycles, and automobiles, through site design for new development and redevelopment.

LU 5 DEVELOPMENT CHARACTER

LU 5.1 Built and Natural Environment: Ensure that developments are sensitive to the built and natural environment (for example, air and water quality, noise, traffic congestion, and public utilities and services), by providing adequate impact mitigation to maintain and enhance quality of life.

LU 5.2 Environmental Quality Enhancement: Encourage site locations and design features that enhance environmental quality and compatibility with surrounding land uses.

LU 6 ADEQUATE PUBLIC LANDS AND FACILITIES

LU 6.1 Advance Siting: Identify, in advance of development, sites for parks, open space, wildlife habitat, police stations, fire stations, major stormwater facilities, schools, and other lands useful for public purposes.

LU 6.2 Open Space: Identify, designate, prioritize, and seek funding for open space areas.

LU 6.3 School Locations: Work with the local school districts to identify school sites that are located to serve the service area and that are readily accessible for pedestrians and bicyclists.

LU 6.4 City and School Cooperation: Continue the cooperative relationship between the city and school officials.

LU 6.5 Schools as a Neighborhood Focus: Encourage school officials to retain existing neighborhood school sites and structures because of the importance of the school in maintaining a strong, healthy neighborhood.

LU 6.9 Facility Compatibility with Neighborhood: Ensure the utilization of architectural and site designs of essential public facilities that are compatible with the surrounding area.

CHAPTER 4: TRANSPORTATION

TR GOAL A: PROMOTE A SENSE OF PLACE: Promote a sense of community and identity through the provision of context-sensitive transportation choices and transportation design features, recognizing that both profoundly affect the way people interact and experience the city.

TR GOAL B: PROVIDE TRANSPORTATION CHOICES: Meet mobility needs by providing facilities for transportation options – including walking, bicycling, public transportation, private vehicles, and other choices.

TR GOAL C: ACCOMMODATE ACCESS TO DAILY NEEDS AND PRIORITY

DESTINATIONS: Promote land use patterns and construct transportation facilities and other urban features that advance Spokane's quality of life.

TR GOAL E: RESPECT NATURAL & COMMUNITY ASSETS: Protect natural, community, and neighborhood assets to create and connect places where people live their daily lives in a safe and healthy environment.

TR GOAL F: ENHANCE PUBLIC HEALTH & SAFETY: Promote healthy communities by providing and maintaining a safe transportation system with viable active mode options that provides for the needs of all travelers, particularly the most vulnerable users.

TR 1 Transportation Network For All Users: Design the transportation system to provide a complete transportation network for all users, maximizing innovation, access, choice, and options throughout the four seasons. Users include pedestrians, bicyclists, transit riders, and persons of all abilities, as well as freight, emergency vehicles, and motor vehicle drivers. Guidelines identified in the Complete Streets Ordinance and other adopted plans and ordinances direct that roads and pathways will be designed, operated, and maintained to accommodate and promote safe and convenient travel for all users while acknowledging that not all streets must provide the same type of travel experience. All streets must meet mandated accessibility standards. The network for each mode is outlined in the Master Bike Plan, Pedestrian Master Plan, Spokane Transit's Comprehensive Plan, and the Arterial Street map.

TR 2 Transportation Supporting Land Use: Maintain an interconnected system of facilities that allows travel on multiple routes by multiple modes, balancing access, mobility and place-making functions with consideration and alignment with the existing and planned land use context of each corridor and major street segment.

TR 5 Active Transportation: Identify high-priority active transportation projects to carry on completion/upgrades to the active transportation network.

TR 7 Neighborhood Access: Require developments to have open, accessible, internal multi-modal transportation connections to adjacent properties and streets on all sides.

TR 14 Traffic Calming: Use context-sensitive traffic calming measures in neighborhoods to maintain acceptable speeds, manage cut-through traffic, and improve neighborhood safety to reduce traffic impacts and improve quality of life.

TR 20 Bicycle/Pedestrian Coordination: Coordinate bicycle and pedestrian planning to ensure that projects are developed to meet the safety and access needs of all users.

CHAPTER 8: URBAN DESIGN AND HISTORIC PRESERVATION

DP 1 PRIDE AND IDENTITY

DP 1.2 New Development in Established Neighborhoods: Encourage new development that is of a type, scale, orientation, and design that maintains or improves the character, aesthetic quality, and livability of the neighborhood.

DP 2 URBAN DESIGN

DP 2.3 Design Standards for Public Projects and Structures: Design all public projects and structures to uphold the highest design standards and neighborhood compatibility.

DP 2.4 Design Flexibility for Neighborhood Facilities: Incorporate flexibility into building design and zoning codes to enable neighborhood facilities to be used for multiple uses.

DP 2.6 Building and Site Design: Ensure that a particular development is thoughtful in design, improves the quality and characteristics of the immediate neighborhood, responds to the site's unique features - including topography, hydrology, and microclimate - and considers intensity of use.

DP 2.15 Urban Trees and Landscape Areas: Maintain, improve, and increase the number of street trees and planted areas in the urban environment.

CHAPTER 9: NATURAL ENVIRONMENT

NE 12 URBAN FOREST

NE 12.1 Street Trees: Plant trees along all streets.

NE 13 CONNECTIVITY

NE 13.1 Walkway and Bicycle Path System: Identify, prioritize, and connect places in the city with a walkway or bicycle path system.

NE 13.2 Walkway and Bicycle Path Design: Design walkways and bicycle paths based on qualities that make them safe, functional, and separated from automobile traffic where possible.

CHAPTER 11: NEIGHBORHOODS

N 2 NEIGHBORHOOD DEVELOPMENT

N 2.1 Neighborhood Quality of Life: Ensure that neighborhoods continue to offer residents transportation and living options, safe streets, quality schools, public services, and cultural, social, and recreational opportunities in order to sustain and enhance the vitality, diversity, and quality of life within neighborhoods.

N 4 TRAFFIC AND CIRCULATION

N 4.1 Neighborhood Traffic Impact: Consider impacts to neighborhoods when planning the city transportation network.

N 4.5 Multimodal Transportation: Promote a variety of transportation options to reduce automobile dependency and neighborhood traffic.

N 4.6 Pedestrian and Bicycle Connections: Establish a continuous pedestrian and bicycle network within and between all neighborhoods.

N 5 OPEN SPACE

N 5.3 Linkages: Link neighborhoods with an open space greenbelt system or pedestrian and bicycle paths.

Correspondence

Staff provided the applicant with a list of questions regarding the project; the applicant's answers are included below. (Staff questions are in *blue italics*, applicant responses are in *green italics*)

Circulation

- *It would be helpful for the board to be able to see the site circulation patterns including buses (entry and exit points) parents, and foot traffic. We will have a slide that incorporates this information in our presentation.*
- *After a parent or visitor parks in the lot to the north of Shaw Middle/ the library, there doesn't appear to be a straightforward path into the school. Will the north entrance to the school be open during the day for parents and visitors to access the school, or will they go through the library? The main entrance to the school is West off of Cook street. The north entrance (near the Gym) will be open for sports events. The sidewalk from the parking lot down along the northeast portion of the library dead ends at the family community resource center. Is there an opportunity to make a clear path from the parking lot to the main entrance of the school, as schools usually require visitors to check-in at the Administrative Office before being granted access to the rest of the school? A clear 12' sidewalk path from the parking lot to the main door has been provided along Cook St., there is also smaller sidewalk that runs along the west side of the library for access to after hours book drop that will continue to the main entry plaza for Shaw.*
- *Is the north parking lot's circular perimeter drive intended to accommodate the library's book drop-off (or is this an adjunct off-street parent drop-off)? Yes, this loop doubles with library book drop off and student drop off. What pedestrian route accommodations can be made to ensure safe mingling of vehicles and pedestrians from the lot to the facility? The loop is one way to allow students to exit safely as parents pull up to the curb. Student drop off happens twice a day for a short period of time, SPS has used this circulation approach numerous times.*
- *It appears that the off-street school bus drop-off is located on the private street east of Shaw, this would require the buses to arrive at this location from the east. This would require the school buses to travel east along Rich until they can turn south onto the drive providing access to the current On-Track Academy portable – or travel to Regal to turn onto the private street just south of the New Tech facility. Is this correct, or is a bus turn-around proposed in the new On-Track Academy small parking lot? Buses would enter the site south of New Tech at the existing driveway on Regal and travel West and south of the new OTA parking lot to the drop off plaza area outside the Shaw commons, buses would then exit south onto Garland.*

On-Track Academy

- *Assuming the students at On-track academy will be utilizing the Newtech facility, is there an opportunity to establish a safe pedestrian connection between the two facilities? Yes, multiple paths from OTA to New Tech will be provided and clearly marked with cross walks.*
- *As the New Facility will serve as a permanent home for the On-Track Academy, will the existing temporary modulars behind New Tech be removed? If not, how will these public facilities (previously granted an exemption from Design Review because they were temporary in nature) be brought up to current community design standards? That is, if these modular are remaining the On-track Academy site design needs to include the location of these modulars – and the modulars themselves – and show all the requisite site & facility improvements. The use of these assets of the district has not been determined and they are not part of the Shaw and OTA master plan.*

Library

- *There doesn't appear to be any way to locate/identify the library approaching from the south along Rich Ave. Could another sign be incorporated on the west side of the building to help people coming from the south to find the library easier? A campus signage consultant will be working with the design team to provide signage and wayfinding for the entire campus.*
- *What opportunities are there to incorporate more of the Liberty and Hive Branch library's aesthetic into the new Hillyard Branch? It is not necessarily a goal for the Hillyard Branch to have a similar architectural aesthetic to Liberty Park or The Hive, they are all intentionally different because of their context, sense of place, neighborhood, and scale. However, it is a goal to have a common thread in abundant natural daylight, appropriate views, expression of structure, spatial volumes, warm welcoming materials, furniture, signage, and branding.*
- *The conceptual designs for both the Liberty and Hive branch libraries show significant outdoor plaza space for library-related activities, what opportunities are there to provide the same level of plaza accommodations at the Hillyard Branch? As the Hillyard branch is visioned as part of a larger campus, the Hillyard branch not only has its generous north entry plaza but fully anticipates and is excited by the numerous opportunities for outdoor greenspace and multiple other courtyards and plazas that will be available on the overall site.*

N. Cook St

- *Can you please walk us through the alignment of the bulb-outs along N Cook St? The drawings submitted are suggestive of early concepts that continue to be developed with input from multiple stakeholders including DOT, STA SRHD, NE community Center, OTA, Hillyard Neighborhood, and other groups to name a few. The ultimate design for the Cook St. renewal and bulb-outs will be determined in conjunction with the functional requirements from above groups and of course City of Spokane traffic and planning input. Cook St. is not currently within the scope or budget of this project. There has been very positive input on this piece of the project being a significant improvement for the Shaw neighborhood in its ability to meet access requirements, connect and leverage shared program elements and provide safe pedestrian movement, which of course are the ultimate goals. Do they correspond to adjacent facilities? See above Is there an opportunity for a bulb-out where E. Garland meets the parking lot entrance on the south side of the parcel? See above*
- *Mention was made of the streetscape being developed if funding can be secured. If the intended funding is not procured, what is the proposed alternative street design? The design would meet all city landscaping requirements on the Shaw (east) side of Cook St. and Cook St. would remain as is. This would also meet all the trail connectivity requirements for access to the Children of the Sun trail.*
- *The proposed on-street parent drop-off zone on Cook runs from the t-intersection of Garland & Cook north to the diagonal mid-block crosswalk – why would a bulb-out be proposed in the middle of this drop-off zone, as it would appear to significantly limit the utility of this accommodation? See above*

Topics for Discussion

To address the Industrial Design Standards and Comprehensive Plan Policies listed in the staff report, staff would offer the following for consideration and discussion:

Neighborhood

1. Given the "campus style" arrangement on the site as well as the close proximity to other services (community center, Newtech facility) is there an opportunity to improve connections and pedestrian safety in the area? (*The applicant has indicated a circulation plan will be shown at the collaborative workshop.)*
2. Given that the proposed Cook Street bulb outs are neither fully resolved nor included as part of the project's base funding and that work may not be constructed, what advice can be given to ensuring a similar pedestrian accommodation along the school side of the street as that proposed for pedestrians along Garland (with its proposed 12'-wide trail)?

Site

3. Is there an opportunity to improve pedestrian connections in the parking lots?
4. Is there an opportunity for improved direct pedestrian access from north parking lot to the main school entrance next to the Administration Offices (without needing to walk to Cook)?
5. Is there an opportunity for more active site programming around the buildings, especially to accommodate the new Hillyard Branch Library?
6. Give the path of the school buses through the southern portion of the NewTech site (from Regal Street) and the southern portion of the On-Track Academy parking lot, would it be appropriate to bring this new bus lane up to street standards (and therefore public street standards)?
7. Given that a number of mature trees along the common parcel line between the Shaw & On-Track site will be removed to accommodate the new automobile (and school bus) circulation drive, can perimeter trees be planted back in the setback to provide screening of the back of the industrial buildings located on the School District Maintenance Facility site (perhaps, similar to the trees and plantings located south of the southern parking lot at the NewTech facility)?

Building

8. Is there an opportunity to improve the proposed signage for the Hillyard Library, so as to be visible from Cook (approaching from the south)?
9. Is there an opportunity to more fully distinguish the architectural character of the Hillyard Branch Library, similar to that proposed for both the Liberty and The Hive branch libraries?

Note

The recommendation of the Design Review Board does not alleviate any requirements that may be imposed on this project by other City Departments including the Current Planning Section of Planning and Development Services.

Policy Basis

Spokane Municipal Codes
City of Spokane Comprehensive Plan
Public Project Design Guidelines

FILE NO.DRB 1921

DESIGN REVIEW BOARD

Shaw Middle School

1 - Program Review/Collaborative Workshop

November 13, 2019

From: **Design Review Board** Steven Meek, Chair c/o Dean Gunderson, DRB Secretary Planning & Development 808 W. Spokane Falls Blvd. Spokane, WA 99201	**To:** Ty Miller, Proj. Architect Integrus Architecture Greg Forsyth District 81	**CC:** Heather Trautman, Planning Director Dave Compton, Development Services

Based on review of the materials submitted by the applicant and discussion during the November 13, 2019 Collaborative Workshop the Design Review Board recommends the following advisory actions:

Neighborhoods

1. **The board encourages the applicant to work with relevant approval authorities to secure funding for pedestrian improvements along Cook Street to provide pedestrian emphasis, traffic calming, and connectivity to the Northeast Community Center.**

   Please see the following Comprehensive Plan Goals and Policies*:* LU 6.5 Schools as a Neighborhood Focus, TR GOAL B: PROVIDE TRANSPORTATION CHOICES, TR GOAL F: ENHANCE PUBLIC HEALTH & SAFETY, TR 1 Transportation Network For All Users, TR 5 Active Transportation, TR 14 Traffic Calming, TR 20 Bicycle/Pedestrian Coordination, NE 13.1 Walkway and Bicycle Path System, NE 13.2 Walkway and Bicycle Path Design, and N 4.5 Multimodal Transportation.

2. **Should funding for Cook Street improvements not be procured, the applicant shall provide detail of pedestrian pathways north to Rich Street.**

   Please see the following Comprehensive Plan Goals and Policies*: LU 4 TRANSPORTATION,* TR GOAL B: PROVIDE TRANSPORTATION CHOICES, TR GOAL F: ENHANCE PUBLIC HEALTH & SAFETY, TR 1 Transportation Network For All Users, TR 2 Transportation Supporting Land Use, TR 5 Active Transportation, TR 14 Traffic Calming, TR 20 Bicycle/Pedestrian Coordination, NE 13.1 Walkway and Bicycle Path System, NE 13.2 Walkway and Bicycle Path Design, N 2.1 Neighborhood Quality of Life, N 4.1 Neighborhood Traffic Impact, N 4.5 Multimodal Transportation, N 4.6 Pedestrian and Bicycle Connections.

3. **The applicant is encouraged to provide additional detail and design to support pedestrian connectivity between the new enhanced bus stop (near the Empire and Cook intersection) and the library, as well as the Newtech and On-Track facilities**.

   Please see the following Comprehensive Plan Goals and Policies: *LU 4 TRANSPORTATION,* TR GOAL B: PROVIDE TRANSPORTATION CHOICES, TR GOAL F: ENHANCE PUBLIC HEALTH & SAFETY, TR 1 Transportation Network For All Users, TR 2 Transportation Supporting Land Use, TR 5 Active Transportation, TR 14 Traffic Calming, TR 20 Bicycle/Pedestrian Coordination, NE 13.1 Walkway and Bicycle Path System, NE 13.2 Walkway and Bicycle Path Design, N 2.1 Neighborhood Quality of Life, N 4.1 Neighborhood Traffic Impact, N 4.5 Multimodal Transportation, and N 4.6 Pedestrian and Bicycle Connections.

Site

4. **The applicant is encouraged to provide buffering between the SPS facilities parking lot and the bus route service drive.**

   Please see the following Comprehensive Plan Goals and Policies: LU 5.2 Environmental Quality Enhancement, TR GOAL A: PROMOTE A SENSE OF PLACE, and DP 2.15 Urban Trees and Landscape Areas.

5. **The applicant is encouraged to continue the warmth expressed in the architecture through to the landscape, in order to further provide a sense of security and comfort to students and patrons.**

   Please see the following Comprehensive Plan Goals and Policies: LU 5.1 Built and Natural Environment, LU 5.2 Environmental Quality Enhancement, LU 6.2 Open Space, DP 1.2 New Development in Established Neighborhoods, DP 2.15 Urban Trees and Landscape Areas, and N 5.3 Linkages.

6. **The applicant shall provide clarification into the circulation through and around the bus drive aisle, particularly in regards to the parking at the east end of the drive aisle.**

   Please see the following Comprehensive Plan Goals and Policies: LU 4.1 Land Use and Transportation, TR GOAL C: ACCOMMODATE ACCESS TO DAILY NEEDS AND PRIORITY DESTINATIONS, and TR GOAL F: ENHANCE PUBLIC HEALTH & SAFETY.

7. **The applicant shall show pedestrian connections through the parking lots in accordance with the Spokane Municipal Code Institutional Design Standard 17C.110.540 Pedestrian Connections in Parking Lots.**

Motion Approved Unanimously (6/0 – Acting Chair abstained from vote)

Dean Gunderson, Acting Chair, Design Review Board

Note: Supplementary information, audio tape and meeting summary are on file with City of Spokane Design Review Board.

DESIGN REVIEW BOARD FILE NO.DRB 1926

Glover Middle School

2 – RECOMMENDATION MEETING

Design Review Staff Report January 7, 2020

Staff:
Dean Gunderson, Senior Urban Designer

Taylor Berberich, Urban Designer

Neighborhood & Planning Services
808 W. Spokane Falls Blvd.
Spokane, WA 99201
Planning & Development Services Department

Applicants:

Kris Jeske, AIA
NAC Architecture

Spokane School District

Background

The Design Review Board Collaborative Workshop was held on September 25, 2019.

The following materials are supplemental to this report:

- *Design Review Staff Report | Program Review/Collaborative Workshop, September 19, 2019;*
- *Design Review Board | Collaborative Workshop Advisory Actions, September 25, 2019.*

Topics for Discussion

During the workshop, the applicant is encouraged to please describe changes to the design since the Collaborative Workshop/Program Review including any changes made in response to recommendations offered by the Design Review Board on September 25, 2019 as follows: (applicant's responses are noted in *blue italics*, any further staff comments are noted in *green italics.*)

1. **The applicant shall continue to develop and preserve the sense of "base and top" as presented in the current design for the building.**

   The expression of base and top has been both preserved and strengthened through further design refinement. To better understand how the bowl and pitcher metaphor could be strengthened, natural forms and vegetation near the river were studied – see images [in packet]. Responding to this study, landscaping the building was developed to include larger basalt mulch with vegetation clustered rather than uniformly spaced. This is reminiscent of the talus slopes often found at the base of basalt outcroppings and will firmly ground the building to the site. The building top continues to be expressed through the building geometry and changing parapet line contrasted against the sky.

2. **The applicant is encouraged to explore options for compatibility with micro-mobility accommodations along Belt Street.**

   Street trees along Belt Street will be clustered to provide visual relief and shade for pedestrians as well as meeting the requirements of the municipal code. Since the existing concrete walk is in good condition, the goal is to retain this pedestrian pathway and to enhance it by providing wide spots between the tree clusters, thus allowing for a more natural experience. The "pull-outs" not only provide visual interest but also areas where pedestrians may pause and others might pass freely.

   Further Staff Comment: after meeting with City of Spokane Street Department, the applicant is now proposing a continuous widening of the sidewalk along Belt to 9'6" in width, with

additional sidewalk extending eastward along the bus drive aisle, west to the school. See submittal (and image below):

3. **The applicant is encouraged to continue to explore improved pedestrian accommodations along the south side of the site (along Longfellow Avenue).**

   The existing walk along Longfellow is 8' wide, and it is generally in good condition. Although bus loading will be removed from the street, parent drop-off and pick-up will still occur on Longfellow. The school district and design team feel that it is important to create a safe and convenient area for this function to take place and to prevent unnecessary traffic congestion. In keeping with the natural theme and concept along Belt street, street trees will be clustered and occur behind the sidewalk along the eastern portion of Longfellow.
   This will facilitate parent drop-off, allow snow to be efficiently removed and eliminate visual obstacles where students will be in close proximity to traffic. As the walk approaches the building entry, the width will be increased and it will transition to pathways that lead to building entrances.

   Continuing further west along Belt, street trees will be placed more regularly to respond to and screen vehicle parking to the north. Trees will be placed at the back of the walk in tree grates, again to accommodate student circulation and safety. Existing conditions toward the far western side of the site will be maintained, including the 8' walk, mature trees, grassy slope and existing fence line.

   Further Staff Comment: While the applicant is not proposing any widening of the Longfellow sidewalk west of the proposed building, they are conserving the existing pedestrian crosswalk at Nettleton and adding a bulb-out to protect pedestrians. Additionally, the applicant is proposing to conserve an access route between the playfields to the shopping center that may be improved when the city pursues a multi-use route/pathway behind the center.

4. **The applicant shall continue to investigate materials and color palette in line with the bowl-and-pitcher metaphor.**

   Exterior materials have been selected based on the following criteria:
   - *A. Compatibility with the design concept*
   - *B. Durability, maintainability and longevity*
   - *C. Meeting the established budget*

   Taking these criteria into account, the design team is proposing that the primary exterior material is a clay brick of varying color and texture to draw upon the bowl-and-pitcher metaphor. Three brick colors are used to distinguish individual building masses, implying basalt rock formations. Two lighter colors will be blended for the main body while the dark brick will be used to highlight contrasting "boulder" forms. The darker brick will be applied in a smooth and clinker texture. See proposed brick examples and image [in packet].

5. **The applicant is encouraged to pursue sustainable, native landscaping that also reinforces the level of boldness represented by the architecture (even to the extent that it may reinforce a sense of base).**

   Applicant is integrating native and adapted trees, shrubs and other plant material into the landscape design in order to strengthen the connection of the design to the character and plant community of the Bowl and Pitcher area of the Spokane River. Specifically, Ponderosa Pine, Western Larch, Western White Pine and Douglas Fir are clustered into natural settings to frame views to key building elements. These clusters, located near the street, reinforce the street edge and provide view corridors that enhance site security. Clusters of understory shrubs are strategically located to provide additional plant community diversity while minimizing security concerns. Strategically clustered ornamental grasses and adapted plants

on slopes falling away from the building base and mulched with layers of basalt rock reflect the character of basalt cliff s and their talus slope bases with colonizing grasses and native shrubs.

Additional Information

At the time of the collaborative workshop on September 19, 2019, the Shadle Area Neighborhood Plan was still in process. On November 18, 2019, the plan was adopted the Spokane City Council via resolution and can be utilized as a guiding document by the Design Review Board for projects in the Shadle area. Below are the plan goals and associated action items which are pertinent to the Glover Middle School Project.

Goals (page 24):

Goal 5: Provide a diversity of uses that serve the shopping, educational, social, and recreational needs of nearby residents (Policy 5.2: Enhanced Connections)

Goal 7: Allow ease of flow to, from, and within the Shadle Area for all modes of transportation. (Policy 7.1: Improve Safety for non-auto transport users)

Action Items (starting on page 29):

5- Shadle Center, internal central spine

8- Belt, between Wellesley and Longfellow

9- Alberta, between Wellesley and Longfellow

Figure 6 (Trail/Pedestrian Pathway, Belt Transformation, Alberta Adaptation, Enhanced Crossings, Primary Entry, pages 32 & 33)

Additional Suggested Topics for Discussion

Based on the November 19 submittal, staff offer the following additional topics for discussion:

1. Given the adoption of the Shadle Area Neighborhood Plan, does the board have any recommendations for the action approving authority (and applicant) regarding the neighborhood & Council's preferences or improved transportation and circulation – as it relates to the Glover School site?
    a. The Shadle Area Neighborhood Plan calls out the intersection of Belt and Longfellow as a "gateway" to the district. Is there an opportunity to accommodate the potential of a gateway feature while maintaining/enhancing pedestrian crossing safety?
    b. At the intersection of Longfellow and Belt (at the northwest corner) the sidewalk narrows down to 5' (from 9'6" wide along Belt and 8" along Longfellow). Is there an opportunity for the sidewalk at this corner to more closely match the adjacent sidewalk widths?

Note

The recommendation of the Design Review Board does not alleviate any requirements that may be imposed on this project by other City Departments including the Current Planning Section of Planning and Development Services.

Policy Basis

Spokane Municipal Codes
City of Spokane Comprehensive Plan

DESIGN REVIEW BOARD
RECOMMENDATION MEETING
NOVEMBER 15, 2019

GLOVER MIDDLE SCHOOL
SPOKANE PUBLIC SCHOOLS

Spokane Public Schools
excellence for everyone

NAC
ARCHITECTURE

PROJECT SUMMARY

DEVELOPMENT OBJECTIVES:

Middle School Goals: In 2018, Spokane voters approved a $495 million bond to build six new middle schools in the Spokane Public School (SPS) district. Subsequent to the bond approval, SPS facilitated a middle school planning process that included a community forum to establish goals for a refreshed middle school experience. Over 120 people representing school administrators, teachers, staff, parents, and students, community leaders, and architects participated in the two day event. Through the community forum process, the following design principles were identified:

- Community
- Connectivity
- Creative Curiosity/Variety
- Multiplicity
- Plugged/Unplugged
- Inside/Outside
- Comfort
- Center

Glover Middle School will be one of the first middle schools replaced under the 2018 bond designed to meet the above goals of the Community Forum. The replacement middle school will be built on the site of existing Glover Middle School. Construction of the new school will occur while the existing school remains in use. Upon completion of the new middle school, the existing school will be demolished and replaced with athletic fields, parking lots and bus lanes to serve the new school. Construction of the new school is scheduled to be complete in August, 2021.

DESIGN GOALS:

While all of the six new middle schools will be of a similar size with similar programs, an important SPS goal is that each school is designed to meet the unique needs of the individual schools' community and culture. During the pre-design/ed spec phase of Glover Middle School's process, the following goals were identified:

- Position extra-circular activities and elective programs strategically to promote a sense of discovery by students
- Create academic neighborhoods that foster student to student, student to teacher and teacher to teacher engagement and collaboration
- Provide flexible learning spaces beyond classrooms to promote student collaboration, project-based learning and self-directed learning
- Reduce travel time and distances between classes
- Promote collegiality and collaboration between teachers and staff
- Strengthen Glover's unique school culture of student support and intervention

Program: The Glover program contains 46 teaching spaces. These spaces vary from general classrooms, flex classrooms, and science rooms to Career & Technical Education (CTE) classrooms, an art room, gyms and fitness rooms, performing arts classrooms, and a learning commons (library). The building program also includes offices for administrative, counselors and itinerants, a student commons and kitchen for preparation, serving and eating meals, and a Community & Family Resource Center to help the school connect families to services. The total building area is targeted at 135,000 gross square feet and will optimally serve 750 students.

Building Site: The existing Glover Middle School is centered on a long narrow site bounded by Belt Street to the east, Longfellow to the south and Alberta to the west. North of the site is a large retail shopping center that includes a Safeway and Walmart. The surrounding site conditions are as follows:

- North: There is large, steep grade change with the shopping center several feet above the school site. The back, service side of the shopping center faces south to the school site.
- East: Shadle Park is lies to the east of Belt Street and beyond Shadle Park is Shadle Park High School. A baseball field and track/stadium are due east of the site. To the north of the baseball field is the Shadle Park Library and water tower.
- South: The site slopes downward from east to west creating a large grade change from one end of the Longfellow street frontage to the other. The front yard of single family residences line the south side of Longfellow.
- West: The west side of the site is significantly elevated above Alberta Street. Alberta Street is a well-traveled arterial. The landmark St. Charles Church, a noted mid-Century building with a beautiful sculptural form, is to the northwest of the school site.

PROJECT SUMMARY

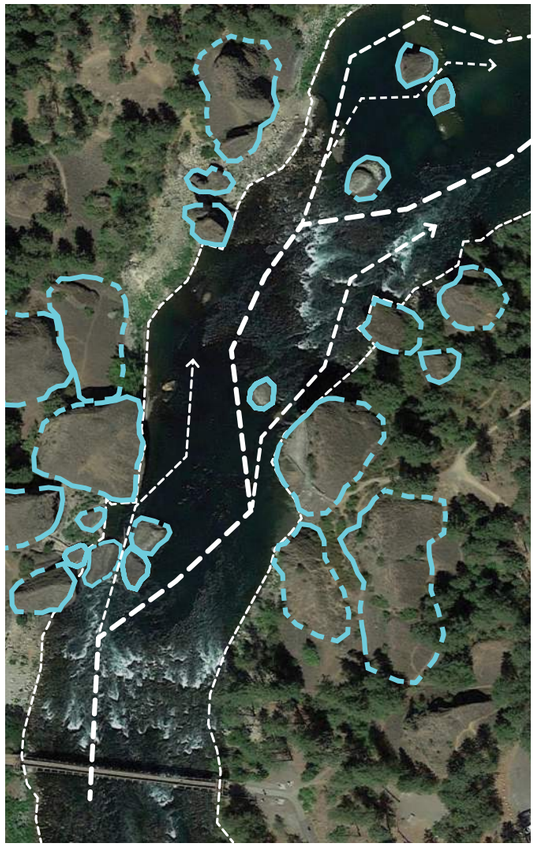
The design team has proposed using Spokane's iconic Bowl and Pitcher of Riverside State Park as a metaphor for the new Glover Middle School. A river winding its way through forest and compressed by boulders creating varied conditions of water both active and at rest. For Glover Middle School, the Food Commons and Learning Commons (library) become the river with extra-circular and elective teaching/learning spaces becoming the boulders engaging the river of students that runs between.

Site Design: The building is positioned on the east side of the site and will be constructed while the existing school remains in use by students and teachers. Positioning the school to the east better engages it with the Shadle Park and Shadle Park High School. The east side of the school will be predominately lawn area. Parking is located west of the school. A bus and fire lane wraps around the parking and school building connecting Longfellow to Belt. A student promenade located between the parking lot and bus lane will connect to the buildings main student entry located on the west side of the site. From this student entrance, one flows directly into the Commons where the building's interior "discovery along the river" begins. Glover's new "front door" is located separately on Longfellow. Here visitors will enter the building during the school day via a secure vestibule. The schools administrative front door is located strategically between the student and public front door entrances for optimum supervision and control. An after-hours/ events entry that leads to the gymnasium is locate on the west side of the school with easy access to the parking lot. A new athletic field will be developed immediately west of the new school (where the existing school now sits) and the existing athletic field adjacent to Alberta Street will remain as is. Building services and a utility yard will all be located on the north side of the building adjacent to the backside of Walmart.

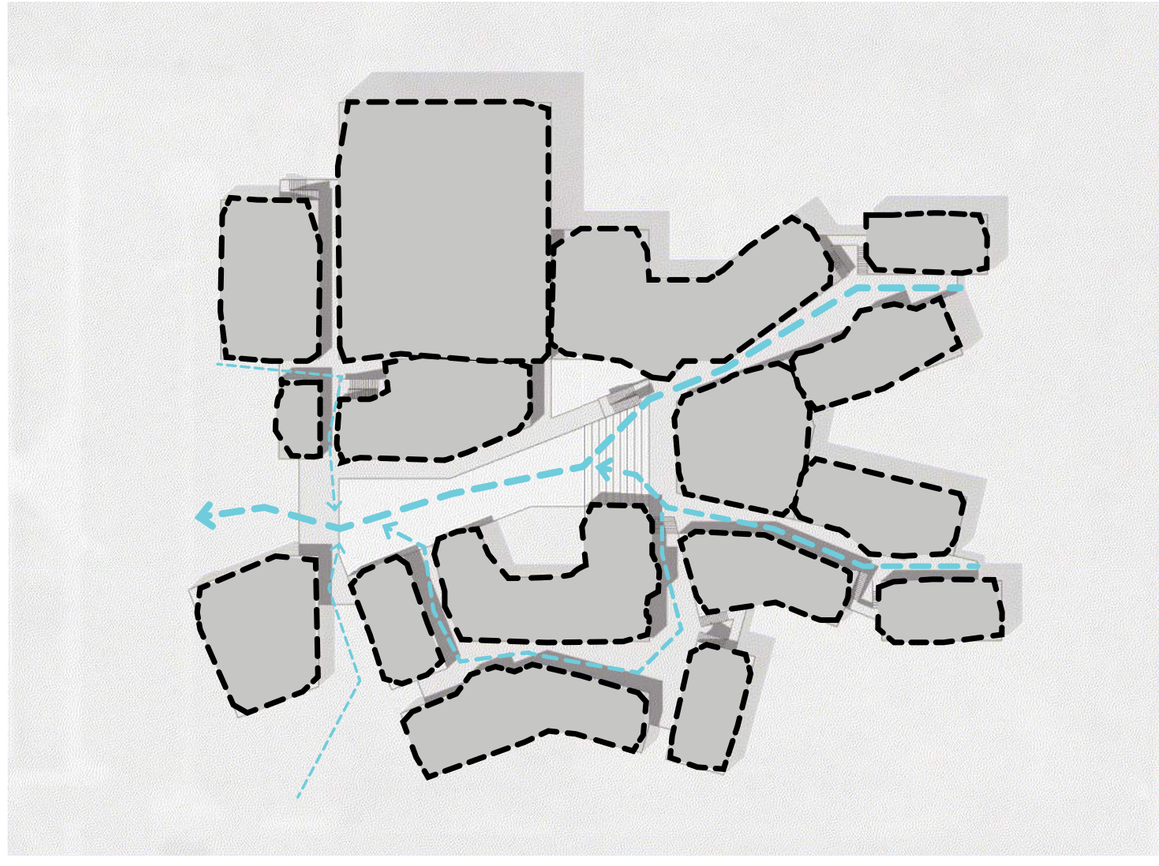
Building Design: The exterior design of the building continues the Bowl and Pitcher metaphor. The very large building mass is broken down into smaller, rotated elements. The rotated masses vary in color and texture with darker masses taking on the feel of boulders in the landscape. Building materials are still being developed, but the exterior is seen as predominantly varied colors of masonry. A facetted roof over the Learning Commons and Commons representative of the river cascades downward from east to west as the building transitions from two stories to the east down to one story on the southwest corner of the building at the building's two main entries. The one-story section of the building was strategically located on the south side of the site to better relate to the single-story residences along Longfellow.

Bowl & Pitcher

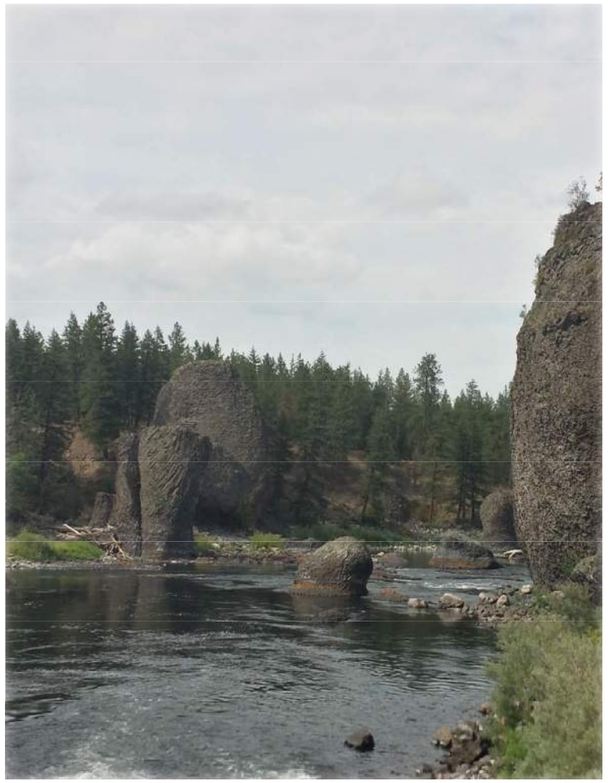
Proximity of site to Bowl & Pitcher



Flow of river



Flow of students



CHANGES SINCE THE COLLABORATIVE WORKSHOP:

The design of Glover MIddle School has continued to be refined, however there have been no significant changes to building program, site layout, or design concept. Refinement has consisted of the following:

- Site refinement and development - Development of entry plaza to accommodate student and parent foot traffic, create seating opportunities and neighborhood amenities, improve pedestrian circulation and micro-mobility options, definition of eastern courtyard
- Building material definition and detailing
- Floor Plan refinement
- Consultant / system coordination

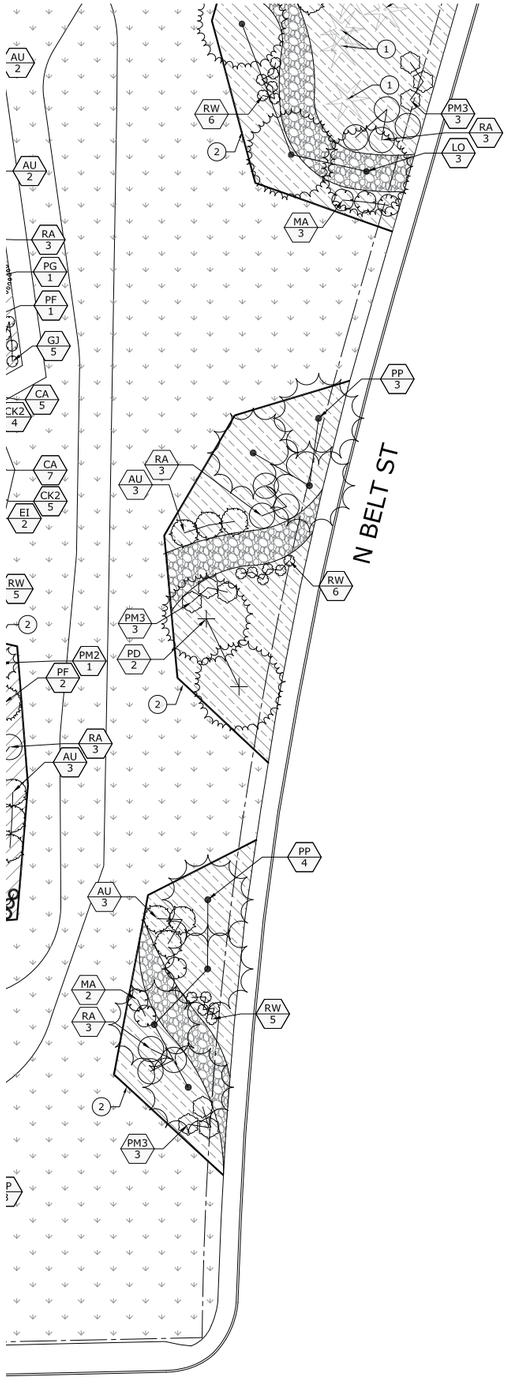
COLLABORATIVE WORKSHOP RECOMMENDATONS & RESPONSES:

The Collaborative Workshop was held on September 25, 2019 and concluded with five primary recommendations. Those are listed below accompanied by the design team's response and graphic solutions:

1. The applicant shall continue to develop and preserve the sense of "base and top" as presented in the current design for the building.

The expression of base and top has been both preserved and strengthened through further design refinement. To better understand how the bowl and pitcher metaphor could be strengthened, natural forms and vegetation near the river were studied – see images to the left. Responding to this study, landscaping at the building was developed to include larger basalt mulch with vegetation clustered rather than uniformly spaced. This is reminiscent of the talus slopes often found at the base of basalt outcroppings and will firmly ground the building to the site.

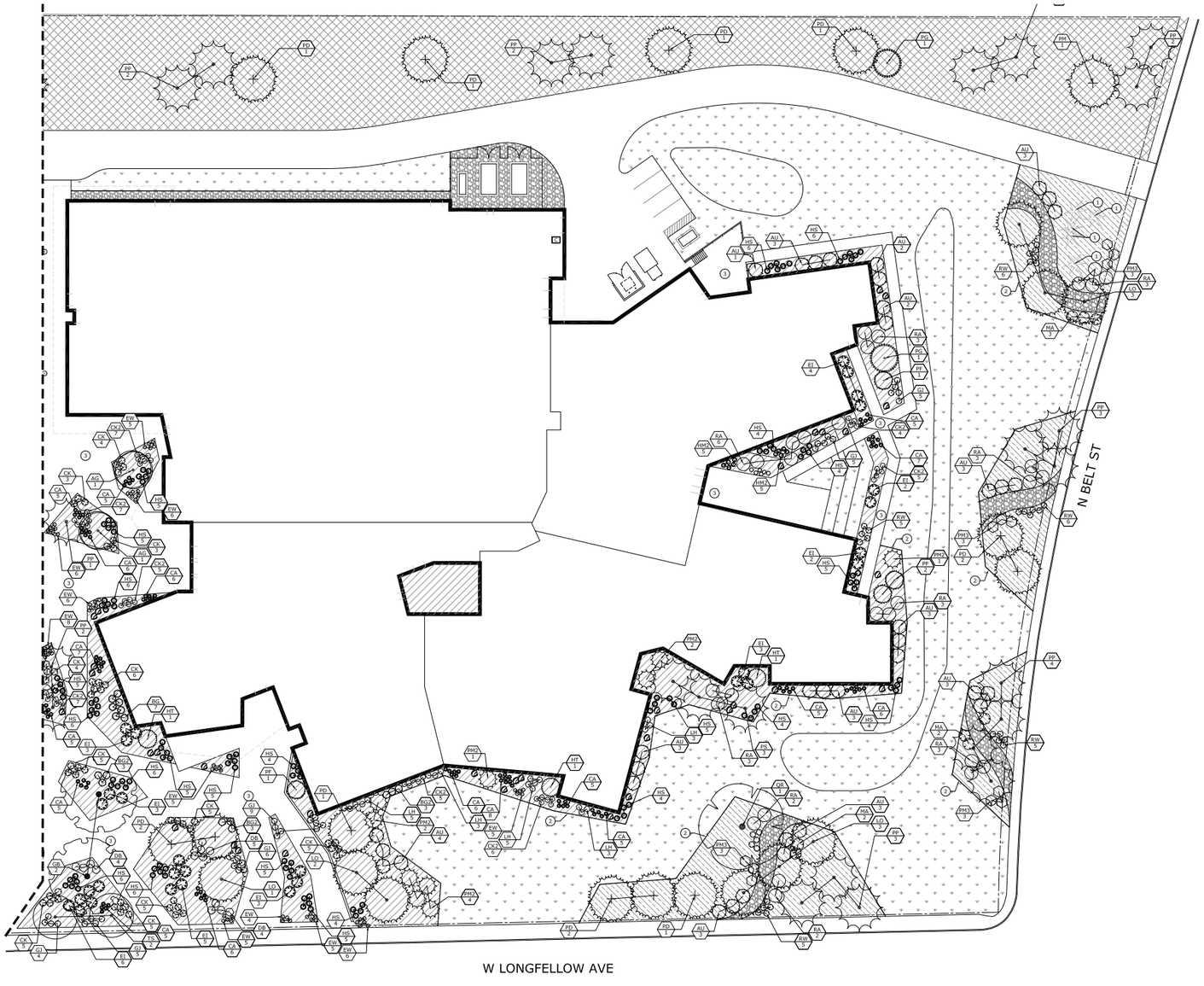
The building top continues to be expressed through the building geometry and changing parapet line contrasted against the sky.



COLLABORATIVE WORKSHOP RECOMMENDATONS & RESPONSES (cont.):

2. The applicant is encouraged to explore options for compatibility with micro-mobility accommodations along Belt Street.

Street trees along Belt street will be clustered to provide visual relief and shade for pedestrians as well as meeting the requirements of the municipal code. Since the existing concrete walk is in good condition, the goal is to retain this pedestrian pathway and to enhance it by providing wide spots between the tree clusters, thus allowing for a more natural experience. The “pull-outs” not only provide visual interest but also areas where pedestrians may pause and others might pass freely.



COLLABORATIVE WORKSHOP RECOMMENDATONS & RESPONSES (cont.):

3. The applicant is encouraged to continue to explore improved pedestrian accommodations along the south side of the site (along Longfellow Avenue).

The existing walk along Longfellow is 8’ wide, and it is generally in good condition. Although bus loading will be removed from the street, parent drop-off and pick-up will still occur on Longfellow. The school district and design team feel that it is important to create a safe and convenient area for this function to take place and to prevent unnecessary traffic congestion. In keeping with the natural theme and concept along Belt street, street trees will be clustered and occur behind the sidewalk along the eastern portion of Longfellow. This will facilitate parent drop-off, allow snow to be efficiently removed and eliminate visual obstacles where students will be in close proximity to traffic. As the walk approaches the building entry, the width will be increased and it will transition to pathways that lead to building entrances.

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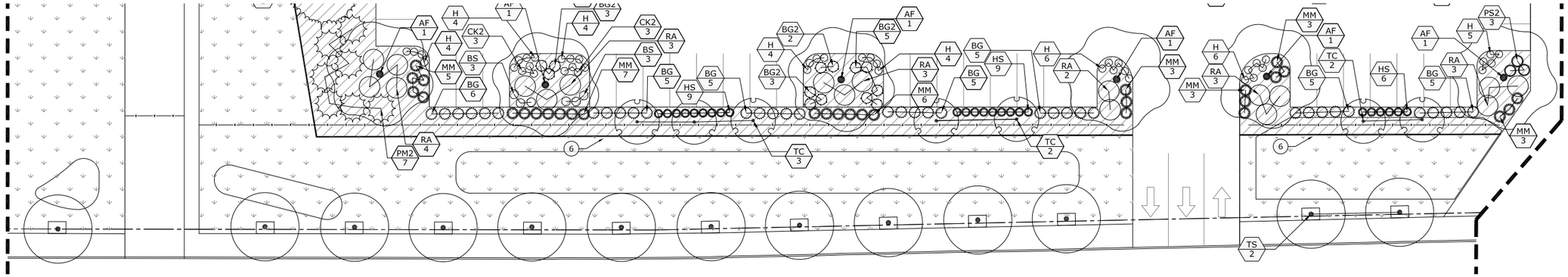

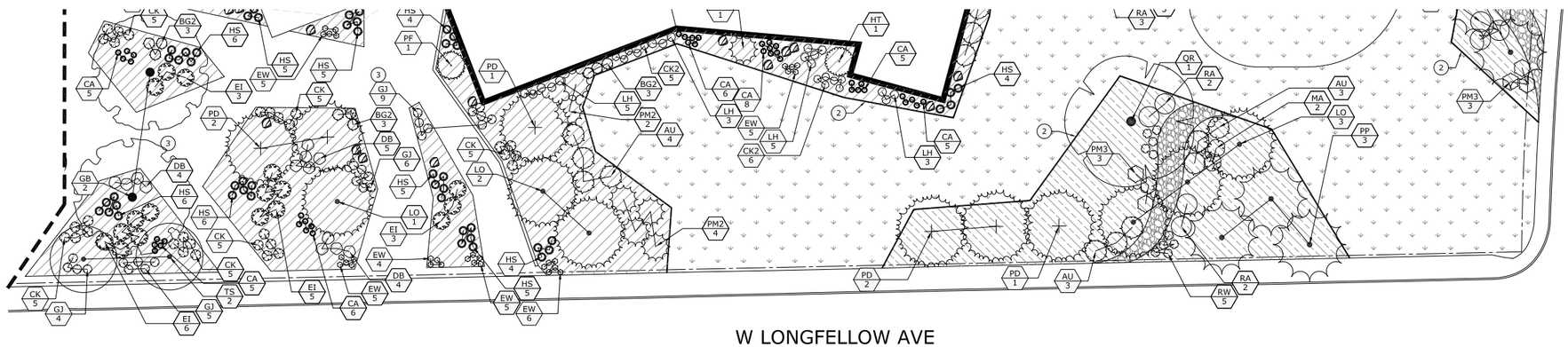

COLLABORATIVE WORKSHOP RECOMMENDATONS & RESPONSES (cont.):

4. The applicant shall continue to investigate materials and color palette in line with the bowl-and-pitcher metaphor.

Exterior materials have been selected based on the following criteria:

A) Compatibility with the design concept
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Taking these criteria into account, the design team is proposing that the primary exterior material is a clay brick of varying color and texture to draw upon the bowl-and-pitcher metaphor. Three brick colors are used to distinguish individual building masses, implying basalt rock formations. Two lighter colors will be blended for the main body while the dark brick will be used to highlight contrasting “boulder” forms. The darker brick will be applied in a smooth and clinker texture. See proposed brick examples and image below.

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Applicant is integrating native and adapted trees, shrubs and other plant material into the landscape design in order to strengthen the connection of the design to the character and plant community of the Bowl and Pitcher area of the Spokane River. Specifically, Ponderosa Pine, Western Larch, Western White Pine and Douglas Fir are clustered into natural settings to frame views to key building elements. These clusters, located near the street, reinforce the street edge and provide view corridors that enhance site security. Clusters of understory shrubs are strategically located to provide additional plant community diversity while minimizing security concerns.

Strategically clustered ornamental grasses and adapted plants on slopes falling away from the building base and mulched with layers of basalt rock reflect the character of basalt cliffs and their talus slope bases with colonizing grasses and native shrubs.

COLLABORATIVE WORKSHOP RECOMMENDATONS & RESPONSES (cont.):

TREES


Colorado Blue Spruce


Vanderwolf's Pyramid Pine


Arnold Sentinel Austrian Black PIne


Autumn Blaze Maple


Royal Star Magnolia


Bowhall Maple


Sterling Linden


Presidential Gold Ginkgo


Corinthian Linden


Ponderosa Pine


Western White Pine


Doug Fir


Scotch Pine


Western Larch

GRASSES


Morning Light Miscanthus


Shenandoah Switch Grass


Blue Oat Grass


Little Zebra Miscanthus


Blonde Ambition Blue Grama Grass


Karl Foerster Feather Reed Grass

NATIVE PLANTS


Wood's Rose


Oceanspray


Kinnickinnick


Golden Currant


Oregon Grape


Silky Lupine


Mallow Ninebark

CONCEPT LANDSCAPE PLAN

A GLOVER MIDDLE SCHOOL - LANDSCAPE CONCEPT

GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.

MICHAEL TERRELL - LANDSCAPE ARCHITECTURE, PLLC
1421 N. MEADOWWOOD LANE, SUITE 150
LIBERTY LAKE, WA 99019
PHONE (509) 922-7449

DESIGN REVIEW BOARD
RECOMMENDATION MEETING
NOVEMBER 15, 2019

GLOVER MIDDLE SCHOOL
SPOKANE PUBLIC SCHOOLS

Spokane Public Schools
excellence for everyone

NAC ARCHITECTURE

RENDERINGS

South View from Longfellow

West View looking toward Student Entry

South Aerial

RENDERINGS

East View from Belt

East Student Courtyard

DESIGN REVIEW BOARD
RECOMMENDATION MEETING
NOVEMBER 15, 2019

GLOVER MIDDLE SCHOOL
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NAC ARCHITECTURE

FLOOR PLANS

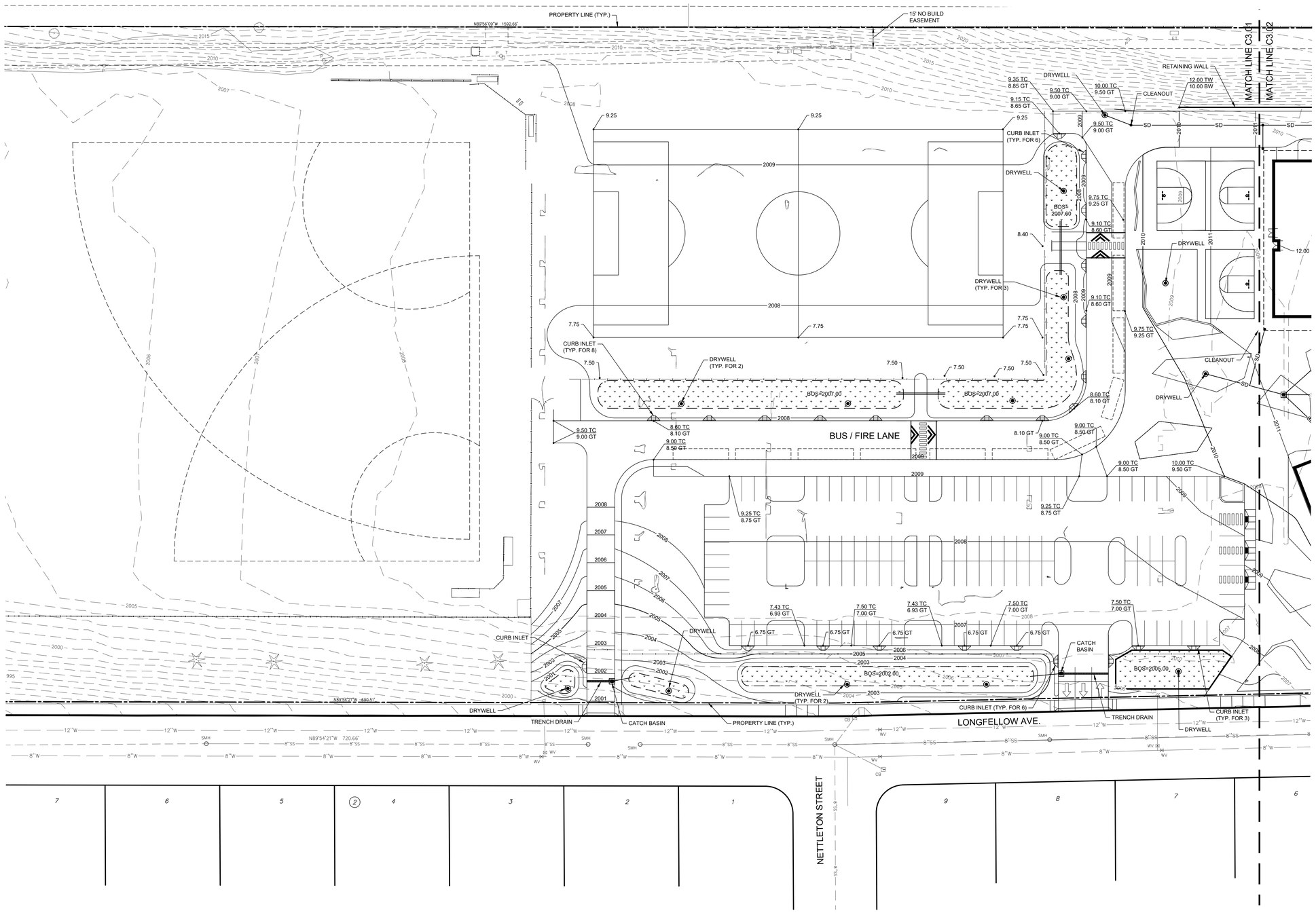
OVERALL FLOOR PLAN - LEVEL 1
Scale: 1/16" = 1'-0"

Main Floor Plan

OVERALL FLOOR PLAN - LEVEL 2
Scale: 1/16" = 1'-0"

Upper Floor Plan

S.1, T.25N., R.42E., W.M., CITY OF CITY OF SPOKANE, SPOKANE COUNTY, WASHINGTON



30 15 0 30 60

SCALE: 1 INCH = 30 FEET
CONTOUR INTERVAL = 1 FOOT

TBM INFORMATION

1. FOUND BRASS CAP IN THE NW QUADRANT OF LONGFELLOW AVE. AND "A" STREET. EL=1950.56 (NAVD88)

BENCH MARK NOTE

CONTRACTOR SHALL PROTECT ALL EXISTING PROPERTY CORNERS AND BENCH MARKS. ANY DAMAGE CAUSED BY CONSTRUCTION ACTIVITIES SHALL BE REMEDIED AT THE CONTRACTOR'S EXPENSE.

LEGEND

- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- BIO-INFILTRATION SWALE BOTTOM
- 2010 EXISTING CONTOUR
- 2010 PROPOSED CONTOUR
- PROPERTY LINE
- CURB
- 17.00 SPOT ELEVATION (ADD 2000)
- CATCH BASIN
- DRYWELL
- SANITARY SEWER MANHOLE
- STORM DRAIN MANHOLE

GRADING NOTES

1. THE 2018 EDITION OF THE WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION ARE THE MINIMUM STANDARDS AND ANY ADDITIONAL REQUIREMENTS BY CITY OF SPOKANE SHALL SUPERSEDE.
2. SITE GRADING SHALL BE COMPLETED IN CONFORMANCE WITH THE RECOMMENDATIONS OF THE SOILS INVESTIGATION COMPLETED BY INTERMOUNTAIN MATERIALS TESTING AND GEOTECHNICAL.
3. CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF EXISTING UTILITIES AT POINTS OF CONNECTION AND CROSSINGS PRIOR TO CONSTRUCTION.
4. CONTRACTOR TO COORDINATE REQUIRED TESTING AND INSPECTION WITH THE OWNER'S TESTING AGENCY AND THE CITY OF SPOKANE.
5. SPOT ELEVATIONS ARE FOR FINISH GRADE UNLESS OTHERWISE NOTED. TOP OF CURB ELEVATIONS ARE 0.5' HIGHER THAN ASPHALT FINISH GRADE (TYP.), UNLESS NOTED.

THE EXISTING INFORMATION SHOWN ON THESE PLANS IS PER THE SURVEY COMPLETED BY:
LANDTEK
619. N. MADELIA STREET
SPOKANE, WA. 99202
509-926-2821
DATED: 05/14/2019
THE CONTRACTOR SHALL VERIFY EXISTING SITE CONDITIONS AND CONTACT THE ENGINEER IF DISCREPANCIES ARE NOTED.

UTILITY STATEMENT
LOCATION OF EXISTING UNDERGROUND UTILITIES HAVE BEEN TAKEN FROM DRAWINGS AND FIELD LOCATES SUPPLIED BY THE APPROPRIATE UTILITY COMPANIES. UTILITY LOCATIONS SHOWN ON THIS DRAWING ARE APPROXIMATE ONLY. PRIOR TO BEGINNING ANY CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF EACH UTILITY.

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

REVISIONS

50% CONSTRUCTION DOCUMENTS

SPOKANE PUBLIC SCHOOL DISTRICT NO. 81
GLOVER MIDDLE SCHOOL
2404 W LONGFELLOW AVE, SPOKANE, WA 99205

COFFMAN ENGINEERS
10 N. Post Street, Suite 500
Spokane, WA 99201
ph 509.328.2994
www.coffman.com

NAC ARCHITECTURE
nacarchitecture.com
1203 WEST RIVERSIDE AVENUE
SPOKANE WA 99201
P:509.838.8240

NAC NO	111-19027
DRAWN	CWD
CHECKED	SAA
DATE	10-29-2019

GRADING AND DRAINAGE PLAN - WEST

C3.01

S.1, T.25N., R.42E., W.M., CITY OF CITY OF SPOKANE, SPOKANE COUNTY, WASHINGTON

SCALE: 1 INCH = 30 FEET
CONTOUR INTERVAL = 1 FOOT

30 15 0 30 60

TBM INFORMATION

1. FOUND BRASS CAP IN THE NW QUADRANT OF LONGFELLOW AVE. AND "A" STREET. EL=1950.56 (NAVD88)

BENCH MARK NOTE

CONTRACTOR SHALL PROTECT ALL EXISTING PROPERTY CORNERS AND BENCH MARKS. ANY DAMAGE CAUSED BY CONSTRUCTION ACTIVITIES SHALL BE REMEDIED AT THE CONTRACTOR'S EXPENSE.

LEGEND

- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- BIO-INFILTRATION SWALE BOTTOM
- 2010 — EXISTING CONTOUR
- 2010 — PROPOSED CONTOUR
- PROPERTY LINE
- CURB
- 17.00 — SPOT ELEVATION (ADD 2000)
- CATCH BASIN
- DRYWELL
- SANITARY SEWER MANHOLE
- STORM DRAIN MANHOLE

GRADING NOTES

1. THE 2018 EDITION OF THE WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION ARE THE MINIMUM STANDARDS AND ANY ADDITIONAL REQUIREMENTS BY CITY OF SPOKANE SHALL SUPERSEDE.
2. SITE GRADING SHALL BE COMPLETED IN CONFORMANCE WITH THE RECOMMENDATIONS OF THE SOILS INVESTIGATION COMPLETED BY INTERMOUNTAIN MATERIALS TESTING AND GEOTECHNICAL.
3. CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF EXISTING UTILITIES AT POINTS OF CONNECTION AND CROSSINGS PRIOR TO CONSTRUCTION.
4. CONTRACTOR TO COORDINATE REQUIRED TESTING AND INSPECTION WITH THE OWNER'S TESTING AGENCY AND THE CITY OF SPOKANE.
5. SPOT ELEVATIONS ARE FOR FINISH GRADE UNLESS OTHERWISE NOTED. TOP OF CURB ELEVATIONS ARE 0.5' HIGHER THAN ASPHALT FINISH GRADE (TYP.), UNLESS NOTED.

THE EXISTING INFORMATION SHOWN ON THESE PLANS IS PER THE SURVEY COMPLETED BY:
LANDTEK
619. N. MADELIA STREET
SPOKANE, WA. 99202
509-926-2821
DATED: 05/14/2019
THE CONTRACTOR SHALL VERIFY EXISTING SITE CONDITIONS AND CONTACT THE ENGINEER IF DISCREPANCIES ARE NOTED.

UTILITY STATEMENT
LOCATION OF EXISTING UNDERGROUND UTILITIES HAVE BEEN TAKEN FROM DRAWINGS AND FIELD LOCATES SUPPLIED BY THE APPROPRIATE UTILITY COMPANIES. UTILITY LOCATIONS SHOWN ON THIS DRAWING ARE APPROXIMATE ONLY. PRIOR TO BEGINNING ANY CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF EACH UTILITY.

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

REVISIONS

50% CONSTRUCTION DOCUMENTS

SPOKANE PUBLIC SCHOOL DISTRICT NO. 81
GLOVER MIDDLE SCHOOL
2404 W LONGFELLOW AVE, SPOKANE, WA 99205

COFFMAN ENGINEERS
10 N. Post Street, Suite 500
Spokane, WA 99201
ph 509.328.2994
www.coffman.com

NAC ARCHITECTURE
nacarchitecture.com
1203 WEST RIVERSIDE AVENUE
SPOKANE WA 99201
P 509.838.8240

NAC NO	111-19027
DRAWN	CWD
CHECKED	SAA
DATE	10-29-2019

GRADING AND DRAINAGE PLAN - EAST

C3.02

CALLOUTS

1. EXISTING TREE TO REMAIN, PRESERVE AND PROTECT.
2. TREE GRATE.
3. HARDSCAPE, SEE ARCHITECTURAL PLANS.
4. BENCH. RAI BENCH. SEE SPECIFICATIONS.
5. PLAY EQUIPMENT. SEE SHEET L2.00, DETAIL D.
6. BASKETBALL HOOPS. SEE SPECIFICATIONS.
7. 6" CONCRETE MOWCURB. SEE SHEET L5.20, DETAIL C.
8. STORAGE BUILDING. SEE ARCHITECTURAL PLANS.
9. EXISTING CHAINLINK FENCE FABRIC TO BE REPLACED.
10. SOFTBALL INFIELD TO BE REPLACED.
11. EXISTING BACKSTOP REPLACEMENT.
12. LONG JUMP PIT. SEE SHEET L2.00, DETAIL A.
13. SHOT PUT. SEE SHEET L2.00, DETAIL B.

LEGEND

- TURFGRASS SOD AND AUTOMATIC OVERHEAD IRRIGATION. 2" TYPE 'B' PLANTING SOIL
- SEEDED TURF ATHLETIC FIELD. 6" TYPE 'B' PLANTING SOIL.
- LOW MAINTENANCE GRASSES AND AUTOMATIC OVERHEAD IRRIGATION. 2" TYPE 'A' PLANTING SOIL.
- SHRUB PLANTING AREA AND IRRIGATION. 6" TYPE 'A' PLANTING SOIL WITH 6" OF MINERAL MULCH - 80% TYPE 'A' MINERAL MULCH AND 20% TYPE 'B' MINERAL MULCH. LOCATIONS TO BE APPROVED.
- SWALE SOIL. SEE CIVIL PLANS.
- PLAYGROUND AREA WITH POURED-IN-PLACE SAFETY SURFACING.
- EXISTING FIELDS TO REMAIN. PRESERVE AND PROTECT.
- EXISTING LANDSCAPE SLOPE TO REMAIN.
- NATIVE OPEN AREA PLANTING. 2" TYPE 'A' PLANTING SOIL WITH 4" OF TYPE 'C' ORGANIC MULCH.
- NATIVE OPEN AREA PLANTING ROCK BED. 6" TYPE 'A' MINERAL MULCH.
- FENCING. SEE ARCHITECTURAL PLANS.
- BASALT BOULDER, 3-4'. SEE SHEET L5.20, DETAIL D.

PLANET LEGEND

TREES	BOTANICAL / COMMON NAME	CONT	QTY
AC	Abies concolor / White Fir	7-8` Tall	2
AG	Acer griseum / Paperbark Maple	2" Cal., Multistemmed	6
AF	Acer rubrum `Franksred` TM / Red Sunset Red Maple	2" Cal.	10
GB	Ginkgo biloba Presidential Gold` / Presidential Gold Maidenhair	2" Cal.	2
HT	Heptacodium miconioides `SMNHMRF` TM / Temple of Boom Seven Sons Flower	2" Cal., Multistemmed	3
LO	Larix occidentalis / Western Larch	7-8` Tall	12
PG	Picea pungens `Glauca` / Colorado Blue Spruce	7-8` Tall	2
PF	Pinus flexilis `Vanderwolf`s Pyramid` / Vanderwolf`s Pyramid Pine	7-8` Tall	4
PM	Pinus monticola / Western White Pine	7-8` Tall	7
PP	Pinus ponderosa / Ponderosa Pine	7-8` Tall	35
PS	Pinus sylvestris / Scotch Pine	7-8` Tall	3
PD	Pseudotsuga menziesii / Douglas Fir	7-8` Tall	16
QR	Quercus rubra / Red Oak	2" Cal.	1
TC	Tilia cordata `Corzam` / Corinthian Littleleaf Linden	2" Cal.	7
TS	Tilia tomentosa `Sterling` / Sterling Silver Linden	2" Cal	27

SHRUBS	BOTANICAL / COMMON NAME	SIZE	QTY
AU	Arctostaphylos uva-ursi / Kinnikinnick	3 gal	36
BS	Buddleja davidii `SNMBDW` TM / Pugster White Dwarf Butterfly Bush	3 gal	12
BG2	Buxus microphylla `Golden Triumph` / Golden Triumph Boxwood	3 gal	30
BG	Buxus x `Green Velvet` / Green Velvet Boxwood	3 gal	45
CA	Calamagrostis x acutiflora `Karl Foerster` / Feather Reed Grass	3 gal	113
CK	Caryopteris x clandonensis `Korball` / Blue Balloon Bluebeard	3 gal	120
CK2	Cornus sericea `Kelseyi` / Kelseyi Dogwood	3 gal	88
DB	Daphne x burkwoodii `Carol Mackie` / Carol Mackie Daphne	3 gal	13
EW	Echinacea purpurea `PAS702917` TM / PowWow Wild Berry Coneflower	1 gal	82
EI	Euonymus fortunei `Ivory Jade` / Wintercreeper	2 gal	38
GJ	Geranium x `Johnson`s Blue` / Johnson`s Blue Geranium	3 gal	34
HM2	Hakonechloa macra `All Gold` / Japanese Forest Grass	1 gal	10
HS	Helictotrichon sempervirens / Blue Oat Grass	2 gal	164
H	Hemerocallis x `Stella de Oro` / Stella de Oro Daylily	2 gal	126
HF	Hosta x `Francee` / Plantain Lily	2 gal	6
LH	Lavandula angustifolia `Hidcote Blue` / Hidcote Blue Lavender	3 gal	19
MA	Mahonia aquifolium / Oregon Grape	2 gal	8
MM	Miscanthus sinensis `Morning Light` / Eulalia Grass	2 gal	52
PS2	Panicum virgatum `Shenandoah` / Switch Grass	2 gal	48
PM3	Physocarpus malvaceus / Mallow Ninebark	3 gal	12
PM2	Pinus mugo pumilio / Dwarf Mugo Pine	5 gal	22
RA	Rhus aromatica `Gro-Low` / Gro-Low Fragrant Sumac	2 gal	59
RW	Rosa woodsii / Mountain Rose	3 gal	32

PLANT QUANTITY NOTE: CONTRACTOR SHALL VERIFY QUANTITIES IN PLANT LEGEND WITH PLANT SYMBOLS ON PLANS.

PLANT CALLOUTS

XX — PLANT ABBREVIATION
— NUMBER OF PLANTS
EX — EXISTING

PLANTING NOTES

1. CONTRACTOR SHALL CALL 811 TO LOCATE ALL EXISTING ABOVE OR BELOW GRADE ON-SITE UTILITIES PRIOR TO COMMENCEMENT OF WORK, INCLUDING PLANTING. THE LOCATIONS OF UTILITIES, STRUCTURES AND SERVICES SHOWN IN THE CONTRACT DOCUMENTS SHALL BE DEEMED TO BE APPROXIMATIONS ONLY. ALL DISCREPANCIES BETWEEN WHAT IS SHOWN AND THE ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE. PRESERVE AND PROTECT EXISTING UTILITIES TO REMAIN FROM DAMAGE OR DISRUPTION, TYPICAL. MAINTAIN LOCATES DURING CONSTRUCTION FOR REFERENCE. CONTRACTOR SHALL RECORD ALL UTILITY MARKINGS ON A SEPARATE SET OF DRAWINGS. THIS SET SHALL BE KEPT ON-SITE FOR REFERENCE FOR DURATION OF CONTRACT.
2. CONTRACTOR TO COORDINATE WITH OWNER'S MAINTENANCE PERSONNEL TO IDENTIFY AND PROTECT ANY EXISTING OWNER MAINTAINED UTILITIES, WATER LINES, IRRIGATION LINES, IRRIGATION CONTROL WIRES OR OTHER IMPROVEMENTS PRIOR TO CONSTRUCTION.
3. THE INFORMATION ON THIS SHEET IS INCOMPLETE UNLESS ACCOMPANIED BY THE CORRESPONDING SPECIFICATION SECTION(S) AND DETAILS DEVELOPED FOR THIS PROJECT. REFER TO THOSE SPECIFICATIONS AND DETAILS FOR ADDITIONAL INFORMATION.
4. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND NOTIFYING THE OWNER AND OWNERS REPRESENTATIVES OF DISCREPANCIES. VERIFY THAT SUB GRADE PREPARATION HAS BEEN COMPLETED TO ACCEPTABLE TOLERANCES PRIOR TO COMMENCEMENT OF WORK. CONTRACTOR ACCEPTS SUB GRADES UPON COMMENCEMENT OF WORK AND IS RESPONSIBLE FOR ANY CORRECTIONS REQUIRED AFTER WORK BEGINS.
5. REMOVE ALL CONSTRUCTION DEBRIS, CONCRETE, MORTAR, ROCKS, ETC FROM LANDSCAPE AREAS PRIOR TO SUB GRADE PREPARATION AND INSTALLATION OF PLANTING SOIL.
6. TREES AND SHRUBS TO MEET REQUIREMENTS OF AMERICAN STANDARD FOR NURSERY STOCK FOR SIZE AND MATERIAL CONDITION.
7. PLANT COUNTS IN LEGEND ARE FOR REFERENCE ONLY. PLANT SYMBOLS DICTATE THE REQUIRED PLANTS.
8. PLANTING SOIL SCHEDULE (SEE SPECIFICATIONS):
   a. HYDROSEEDED LOW MAINTENANCE AREAS: 2" OF APPROVED PLANTING SOIL TYPE 'A'.
   b. SODDED LAWN AREAS: 4" OF APPROVED PLANTING SOIL TYPE 'A'.
   c. SEEDED ATHLETIC FEILD : 6" OF APPROVED PLANTING SOIL TYPE 'B'.
   d. PLANTING AREAS: 6" OF APPROVED PLANTING SOIL TYPE 'A'.
9. MINERAL MULCH SCHEDULE (SEE SPECIFICATIONS):
   a. PLANTING AREAS: 2" OF MINERAL MULCH TYPE 'A'. 5/8" BASALT CHIP
   b. NATIVE OPEN AREA PLANTING AREAS: 4" OF ORGANIC MULCH TYPE 'C' 3-4" MEDIUM RED FIR BARK
11. ALL LANDSCAPE AREAS TO BE IRRIGATED BY AN AUTOMTIC IRRIGATION SYSTEM. SEE IRRIGATION PLANS AND SPECIFICATIONS.
12. TREE LOCATIONS MAY VARY DEPENDING ON WALK, DRIVEWAY, AND UTILITY LOCATIONS. STAKE FOR APPROVAL PRIOR TO PLANTING.
13. LAYOUT OF MOWCURBS AND EDGING TO BE MARKED FOR APPROVAL PRIOR TO INSTALLATION.
14. DO NOT COMPACT BOTTOMS OF SWALES, PROTECT SWALES FROM CONSTRUCTION TRAFFIC AND DEBRIS. SEE CIVIL PLANS FOR SOILS IN SWALES.
15. ALL TREES TO BE SINGLE TRUNKED, UNLESS OTHERWISE NOTED. MULTI-TRUNKED TREES TO INCLUDE MAIN LEADER EQUAL OR GREATER TO SIZE SPECIFIED.
16. TREES OF THE SAME SPECIES SHALL BE MATCHED FROM SAME LOT AND GROWER.
17. FINISH GRADE TO BE:
   a. PLANTING AREAS: 2 1/2" BELOW ADJACENT WALKS OR HARDSCAPE ELEMENTS BEFORE INSTALLATION OF MINERAL/ORGANIC MULCH.
   b. TURF AREAS, SEEDED: 2" BELOW ADJACENT WALKS OR HARDSCAPE ELEMENTS.
18. TURF AREAS, SODDED: 2" BELOW ADJACENT WALKS OR HARDSCAPE ELEMENTS.

CONSTRUCTION NOTES

1. CONTRACTOR SHALL CALL 811 TO LOCATE ALL EXISTING ABOVE OR BELOW GRADE ON-SITE UTILITIES PRIOR TO COMMENCEMENT OF WORK, INCLUDING PLANTING. THE LOCATIONS OF UTILITIES, STRUCTURES AND SERVICES SHOWN IN THE CONTRACT DOCUMENTS SHALL BE DEEMED TO BE APPROXIMATIONS ONLY. ALL DISCREPANCIES BETWEEN WHAT IS SHOWN AND THE ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE. PRESERVE AND PROTECT EXISTING UTILITIES TO REMAIN FROM DAMAGE OR DISRUPTION, TYPICAL. MAINTAIN LOCATES DURING CONSTRUCTION FOR REFERENCE. CONTRACTOR SHALL RECORD ALL UTILITY MARKINGS ON A SEPARATE SET OF DRAWINGS. THIS SET SHALL BE KEPT ON-SITE FOR REFERENCE FOR DURATION OF CONTRACT.
2. CONTRACTOR TO COORDINATE WITH OWNER'S MAINTENANCE PERSONNEL TO IDENTIFY AND PROTECT ANY EXISTING OWNER MAINTAINED UTILITIES, WATER LINES, IRRIGATION LINES, IRRIGATION CONTROL WIRES OR OTHER IMPROVEMENTS PRIOR TO CONSTRUCTION.
3. CONTRACTOR TO COORDINATE UTILITY WORK, SLEEVE AND IRRIGATION INSTALLATION TO AVOID CONFLICTS BETWEEN UTILITIES, IRRIGATION EQUIPMENT AND THE PLACEMENT OF TREES, SHRUBS AND LANDSCAPE EDGING/MOWCURBS.
4. THE INFORMATION ON THIS SHEET IS INCOMPLETE UNLESS ACCOMPANIED BY THE CORRESPONDING SPECIFICATION SECTIONS AND DETAILS DEVELOPED FOR THIS PROJECT. REFER TO THOSE SPECIFICATIONS AND DETAILS FOR ADDITIONAL INFORMATION.
5. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND NOTIFYING THE OWNER AND OWNER'S REPRESENTATIVES OF ANY DISCREPANCIES.
6. CONTRACTOR TO COORDINATE THESE PLANS WITH CIVIL, ELECTRICAL AND ARCHITECTURAL PLANS. IMMEDIATELY NOTIFY OWNER'S REPRESENTATIVE IF CONFLICTS BETWEEN PLANS ARE IDENTIFIED OR IF ADDITIONAL INFORMATION OR CLARIFICATION IS REQUIRED FOR COORDINATION.
7. PRESERVE AND PROTECT EXISTING IMPROVEMENTS TO REMAIN. REPAIR OR REPLACE ALL CURBS AND WALKS DAMAGED DURING CONSTRUCTION.
8. LAYOUT AND EXTENT OF EXCAVATION TO BE STAKED AND REVIEWED IN THE FIELD BY LANDSCAPE ARCHITECT AND/OR OWNER.
9. LIABLE FOR ENCROACHMENT: THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING AND UNDERSTANDING THE LIMITS OR WORK. CONTRACTOR IS RESPONSIBLE FOR ANY COORDINATION OF ENCROACHMENT ONTO ADJACENT PROPERTY, RIGHTS-OF-WAY, EASEMENTS, SET-BACKS, OR ANY OTHER LEGAL PROPERTY RESTRICTIONS EITHER MARKED OR UNMARKED.

LAYOUT NOTES

1. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ELEMENTS INCLUDING UTILITY LOCATIONS AND REQUIRED SLEEVING PRIOR TO INSTALLATION. VERIFY CRITICAL DIMENSIONS, REFERENCE POINT LOCATIONS AND CONSTRUCTION CONDITIONS PRIOR TO INITIATING CONSTRUCTION. TEMPORARY BENCHMARKS OR REFERENCE POINTS SHALL BE SET BY THE CONTRACTOR AS NECESSARY. NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY SHOULD A DISCREPANCY ARISE AND REDIRECT WORK TO AVOID DELAYS.
2. ALL DIMENSIONS SHALL BE VERIFIED IN FIELD AND CHALKED, STRING LINED OR FLAGGED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY MINOR ADJUSTMENTS MADE TO ACHIEVE OVERALL DESIGN LAYOUT SHALL BE ACCEPTED BY THE OWNER PRIOR TO CONSTRUCTION.
3. LAYOUT IS BASED ON THE POINT(S) OF BEGINNING (P.O.B.) AND BASELINE(S) OR GRID SYSTEM AS SHOWN, SEE ARCHITECTURAL AND CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.
4. ALL LAYOUT AND GRADES SHALL BE COMPLETED BY A LICENSED SURVEYOR.
5. LAYOUT AND FINAL GRADES TO BE APPROVED BY OWNER'S REPRESENTATIVE. SEE SPECIFICATIONS FOR FINISH GRADE REQUIREMENTS FOR FIELDS.

MATERIAL NOTES

1. ALL REINFORCING AND FORMS SHALL BE SECURED IN PLACE AND ACCEPTED BY OWNER'S REPRESENTATIVE PRIOR TO PLACING ANY CONCRETE.
2. CONCRETE FINISHES SHALL BE AS NOTED. CONTRACTOR SHALL PROVIDE 4'X4' SAMPLES OF ALL SPECIFIED FINISHES OF CONCRETE USING THE SAME MATERIALS THAT WILL BE USED IN THE ACTUAL CONSTRUCTION FOR EACH TYPE SPECIFIED. SAMPLES SHALL BE PREPARED WELL ENOUGH IN ADVANCE OF SCHEDULED CONCRETE POUR TO ALLOW FOR REVIEW AND POSSIBLE RE-POURING OF UNACCEPTABLE SAMPLES. UNACCEPTABLE SAMPLES SHALL BE RE-PREPARED UNTIL ACCEPTED BY THE OWNER'S REPRESENTATIVE. ACCEPTED SAMPLES SHALL BE PROTECTED AND REMAIN ON SITE FOR REFERENCE UNTIL FINAL ACCEPTANCE.
3. ALL FENCES AND GATES SHOWN ON PLAN ARE GRAPHIC REPRESENTATIONS; REFER TO DETAILS AND SPECIFICATIONS FOR PRECISE LOCATION AND GATE OPERATION.
4. ASPHALT SHALL NOT BE INSTALLED UNTIL ALL EDGES AND SITE FURNISHING PADS ARE INSTALLED.
5. DO NOT PLACE ANY ATHLETIC FIELD MATERIAL UNTIL SUBMITTALS ARE FULLY APPROVED. MATERIAL SUBMITTALS WILL BE COMPARED TO DELIVERED MATERIAL.

A OVERALL LANDSCAPE PLAN AND SOILS PLAN

GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.

MICHAEL TERRELL - LANDSCAPE ARCHITECTURE, PLLC
1421 N. MEADOWWOOD LANE, SUITE 150
LIBERTY LAKE, WA 99019
PHONE (509) 922-7449

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
811
CALL TWO BUSINESS DAYS BEFORE YOU DIG

PRELIMINARY - NOT FOR CONSTRUCTION

REVISIONS

50% CONSTRUCTION DOCUMENTS

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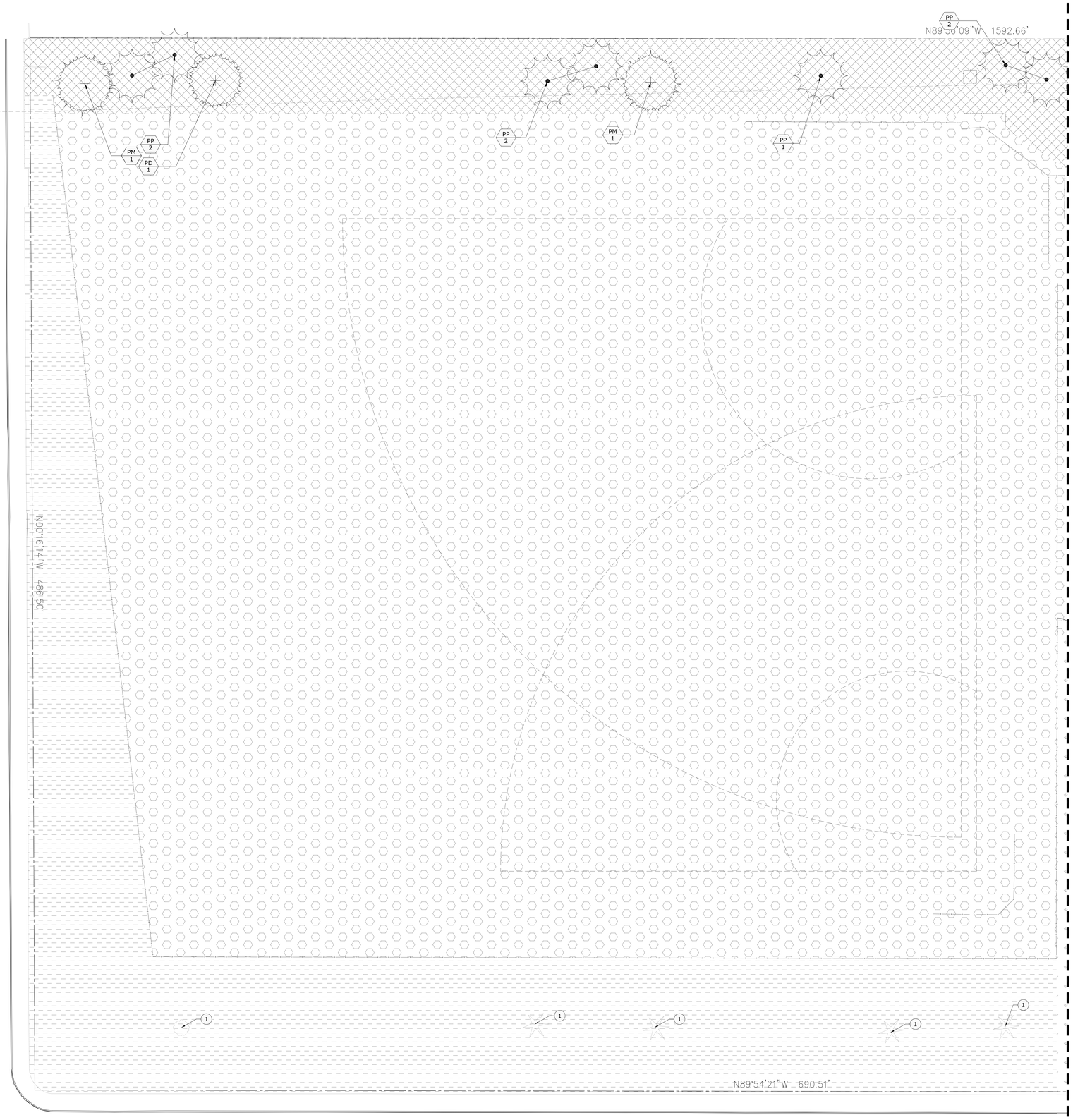
NAC NO	111-19027
DRAWN	JCS
CHECKED	MDT
DATE	10-28-2019

CONSTRUCTION PLAN

DD
L1.00



SEE SHEET L3.20 & L4.20

A LANDSCAPE PLAN

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1 inch = 20 ft.

CALLOUTS

1 EXISTING TREE TO REMAIN. PRESERVE AND PROTECT.

LEGEND

LOW MAINTENANCE GRASSES AND AUTOMATIC OVERHEAD IRRIGATION. 2" TYPE 'A' PLANTING SOIL.

EXISTING FIELDS TO REMAIN. PRESERVE AND PROTECT.

EXISTING LANDSCAPE SLOPE TO REMAIN. PRESERVE AND PROTECT.

PLANT LEGEND

TREES	BOTANICAL / COMMON NAME	SIZE	QTY
PM	Pinus monticola / Western White Pine	7-8` Tall	2
PP	Pinus ponderosa / Ponderosa Pine	7-8` Tall	7
PD	Pseudotsuga menziesii / Douglas Fir	7-8` Tall	1

PLANT QUANTITY NOTE: CONTRACTOR SHALL VERIFY QUANTITIES IN PLANT LEGEND WITH PLANT SYMBOLS ON PLANS.

PLANT CALLOUTS

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5. REMOVE ALL CONSTRUCTION DEBRIS, CONCRETE, MORTAR, ROCKS, ETC FROM LANDSCAPE AREAS PRIOR TO SUB GRADE PREPARATION AND INSTALLATION OF PLANTING SOIL.
6. TREES AND SHRUBS TO MEET REQUIREMENTS OF AMERICAN STANDARD FOR NURSERY STOCK FOR SIZE AND MATERIAL CONDITION.
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8. PLANTING SOIL SCHEDULE (SEE SPECIFICATIONS):
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   b. SODDED LAWN AREAS: 4" OF APPROVED PLANTING SOIL TYPE 'A'.
   c. SEEDED ATHLETIC FEILD : 6" OF APPROVED PLANTING SOIL TYPE 'B'.
   d. PLANTING AREAS: 6" OF APPROVED PLANTING SOIL TYPE 'A'.
9. MINERAL MULCH SCHEDULE (SEE SPECIFICATIONS):
   a. PLANTING AREAS: 2" OF MINERAL MULCH TYPE 'A'. 5/8" BASALT CHIP
10. ALL LANDSCAPE AREAS TO BE IRRIGATED BY AN AUTOMTIC IRRIGATION SYSTEM. SEE IRRIGATION PLANS AND SPECIFICATIONS.
11. TREE LOCATIONS MAY VARY DEPENDING ON WALK, DRIVEWAY, AND UTILITY LOCATIONS. STAKE FOR APPROVAL PRIOR TO PLANTING.
12. LAYOUT OF MOWCURBS AND EDGING TO BE MARKED FOR APPROVAL PRIOR TO INSTALLATION.
13. DO NOT COMPACT BOTTOMS OF SWALES, PROTECT SWALES FROM CONSTRUCTION TRAFFIC AND DEBRIS. SEE CIVIL PLANS FOR SOILS IN SWALES.
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17. TURF AREAS, SODDED: 2" BELOW ADJACENT WALKS OR HARDSCAPE ELEMENTS.

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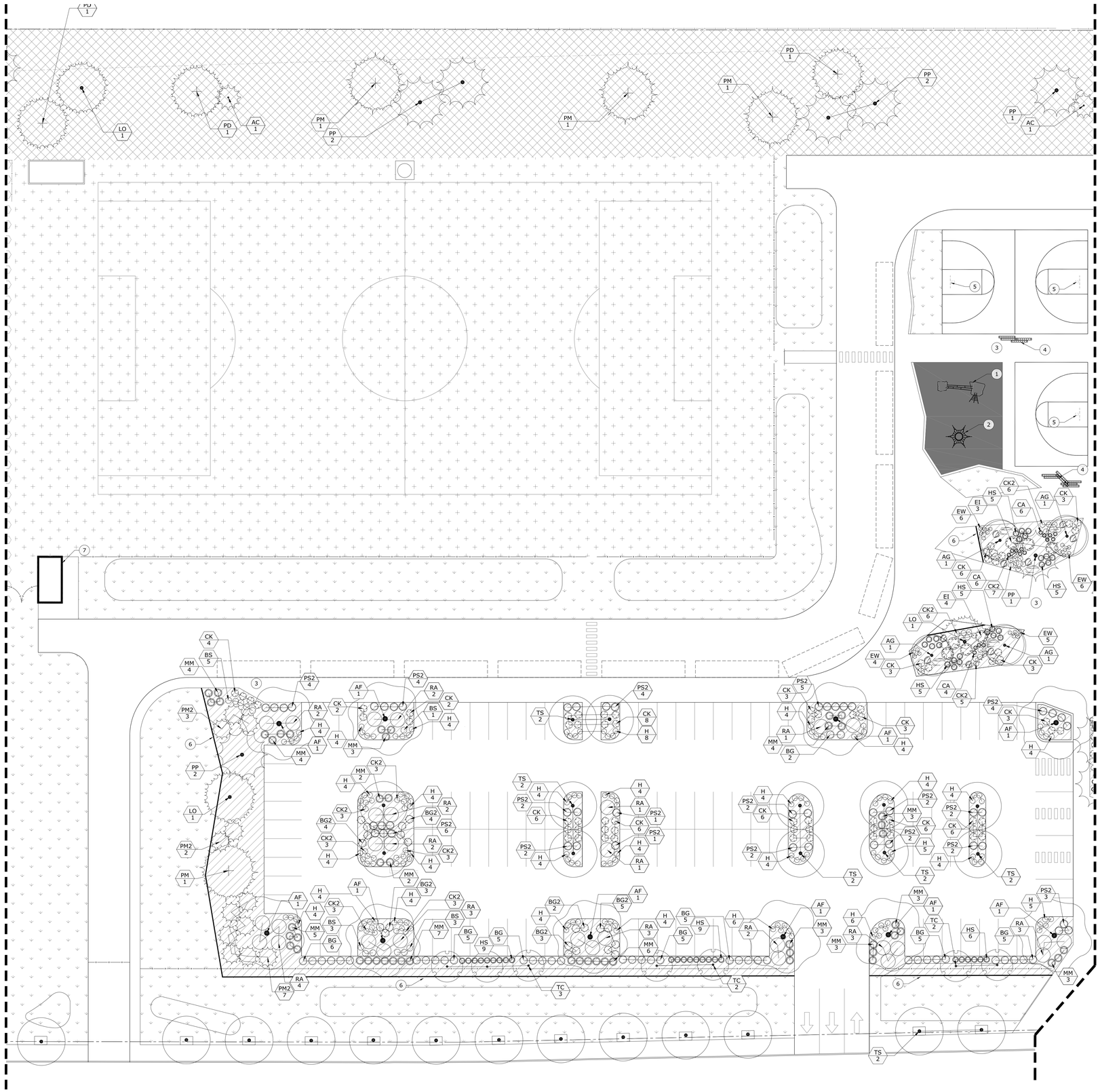
NAC NO	111-19027
DRAWN	JCS
CHECKED	MDT
DATE	10-28-2019

LANDSCAPE PLAN

DD
L4.10



CALLOUTS

1. PLAY EQUIPMENT. BOULDER CLIMBING STRUCTURE WITH CABLES. SEE SPECIFICATIONS.
2. PLAY EQUIPMENT. ASTROJUMP. SEE SPECIFICATIONS.
3. HARDSCAPE. SEE ARCHITECTURAL PLANS.
4. BENCH. RAI BENCH. SEE SPECIFICATIONS
5. BASKETBALL HOOPS. SEE SPECIFICATIONS.
6. 6" CONCRETE MOWCURB. SEE SHEET L5.20, DETAIL C.
7. STORAGE BUILDING. SEE ARCHITECTURAL.

LEGEND

- TURFGRASS SOD AND AUTOMATIC OVERHEAD IRRIGATION. 2" TYPE 'B' PLANTING SOIL
- SEEDED TURF ATHLETIC FIELD. 6" TYPE 'B' PLANTING SOIL.
- LOW MAINTENANCE GRASSES AND AUTOMATIC OVERHEAD IRRIGATION. 2" TYPE 'A' PLANTING SOIL.
- SHRUB PLANTING AREA AND IRRIGATION. 6" TYPE 'A' PLANTING SOIL WITH 6" OF MINERAL MULCH - 80% TYPE 'A' MINERAL MULCH AND 20% TYPE 'B' MINERAL MULCH. LOCATIONS TO BE APPROVED.
- PLAYGROUND AREA WITH POURED-IN-PLACE SAFETY SURFACING.
- FENCE. SEE ARCHITECTURAL PLANS.
- BASALT BOULDER, 3-4'. SEE SHEET L5.20, DETAIL D.

PLANT LEGEND

TREES	BOTANICAL / COMMON NAME	CONT	QTY
AC	Abies concolor / White Fir	7-8` Tall	2
AG	Acer griseum / Paperbark Maple	2" Cal., Multistemmed	4
AF	Acer rubrum `Franksred` TM / Red Sunset Red Maple	2" Cal.	10
LO	Larlx occldentalls / Western Larch	7-8` Tall	3
PM	Pinus monticola / Western White Pine	7-8` Tall	4
PP	Pinus ponderosa / Ponderosa Pine	7-8` Tall	7
PD	Pseudotsuga menziesii / Douglas Fir	7-8` Tall	3
TC	Tilia cordata `Corzam` / Corinthian Littleleaf Linden	2" Cal.	7
TS	Tilia tomentosa `Sterling` / Sterling Silver Linden	2" Cal	25

SHRUBS	BOTANICAL / COMMON NAME	SIZE	QTY
BS	Buddleja davidii `SNMBDW` TM / Pugster White Dwarf Butterfly Bush	3 gal	12
BG2	Buxus microphylla `Golden Triumph` / Golden Triumph Boxwood	3 gal	21
BG	Buxus x `Green Velvet` / Green Velvet Boxwood	3 gal	38
CA	Calamagrostis x acutiflora `Karl Foerster` / Feather Reed Grass	3 gal	16
CK	Caryopteris x clandonensis `Korball` / Blue Balloon Bluebeard	3 gal	70
CK2	Cornus sericea `Kelseyi` / Kelseyi Dogwood	3 gal	42
EW	Echinacea purpurea `PAS702917` TM / PowWow Wild Berry Coneflower	1 gal	21
EI	Euonymus fortunei `Ivory Jade` / Wintercreeper	2 gal	7
HS	Helictotrichon sempervirens / Blue Oat Grass	2 gal	49
H	Hemerocallis x `Stella de Oro` / Stella de Oro Daylily	2 gal	126
MM	Miscanthus sinensis `Morning Light` / Eulalia Grass	2 gal	52
PS2	Panicum virgatum `Shenandoah` / Switch Grass	2 gal	48
PM2	Pinus mugo pumilio / Dwarf Mugo Pine	5 gal	12
RA	Rhus aromatica `Gro-Low` / Gro-Low Fragrant Sumac	2 gal	30

PLANT QUANTITY NOTE: CONTRACTOR SHALL VERIFY QUANTITIES IN PLANT LEGEND WITH PLANT SYMBOLS ON PLANS.

PLANT CALLOUTS

- XX — PLANT ABBREVIATION
- ## — NUMBER OF PLANTS
- EX — EXISTING

PLANTING NOTES

1. CONTRACTOR SHALL CALL 811 TO LOCATE ALL EXISTING ABOVE OR BELOW GRADE ON-SITE UTILITIES PRIOR TO COMMENCEMENT OF WORK, INCLUDING PLANTING. THE LOCATIONS OF UTILITIES, STRUCTURES AND SERVICES SHOWN IN THE CONTRACT DOCUMENTS SHALL BE DEEMED TO BE APPROXIMATIONS ONLY. ALL DISCREPANCIES BETWEEN WHAT IS SHOWN AND THE ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE. PRESERVE AND PROTECT EXISTING UTILITIES TO REMAIN FROM DAMAGE OR DISRUPTION, TYPICAL. MAINTAIN LOCATES DURING CONSTRUCTION FOR REFERENCE. CONTRACTOR SHALL RECORD ALL UTILITY MARKINGS ON A SEPARATE SET OF DRAWINGS. THIS SET SHALL BE KEPT ON-SITE FOR REFERENCE FOR DURATION OF CONTRACT.
2. CONTRACTOR TO COORDINATE WITH OWNER'S MAINTENANCE PERSONNEL TO IDENTIFY AND PROTECT ANY EXISTING OWNER MAINTAINED UTILITIES, WATER LINES, IRRIGATION LINES, IRRIGATION CONTROL WIRES OR OTHER IMPROVEMENTS PRIOR TO CONSTRUCTION.
3. THE INFORMATION ON THIS SHEET IS INCOMPLETE UNLESS ACCOMPANIED BY THE CORRESPONDING SPECIFICATION SECTION(S) AND DETAILS DEVELOPED FOR THIS PROJECT. REFER TO THOSE SPECIFICATIONS AND DETAILS FOR ADDITIONAL INFORMATION.
4. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND NOTIFYING THE OWNER AND OWNERS REPRESENTATIVES OF DISCREPANCIES. VERIFY THAT SUB GRADE PREPARATION HAS BEEN COMPLETED TO ACCEPTABLE TOLERANCES PRIOR TO COMMENCEMENT OF WORK. CONTRACTOR ACCEPTS SUB GRADES UPON COMMENCEMENT OF WORK AND IS RESPONSIBLE FOR ANY CORRECTIONS REQUIRED AFTER WORK BEGINS.
5. REMOVE ALL CONSTRUCTION DEBRIS, CONCRETE, MORTAR, ROCKS, ETC FROM LANDSCAPE AREAS PRIOR TO SUB GRADE PREPARATION AND INSTALLATION OF PLANTING SOIL.
6. TREES AND SHRUBS TO MEET REQUIREMENTS OF AMERICAN STANDARD FOR NURSERY STOCK FOR SIZE AND MATERIAL CONDITION.
7. PLANT COUNTS IN LEGEND ARE FOR REFERENCE ONLY. PLANT SYMBOLS DICTATE THE REQUIRED PLANTS.
8. PLANTING SOIL SCHEDULE (SEE SPECIFICATIONS):
   a. HYDROSEEDED LOW MAINTENACE AREAS: 2" OF APPROVED PLANTING SOIL TYPE 'A'.
   b. SODDED LAWN AREAS: 4" OF APPROVED PLANTING SOIL TYPE 'A'.
   c. SEEDED ATHLETIC FEILD : 6" OF APPROVED PLANTING SOIL TYPE 'B'.
   d. PLANTING AREAS: 6" OF APPROVED PLANTING SOIL TYPE 'A'.
9. MINERAL MULCH SCHEDULE (SEE SPECIFICATIONS):
   a. PLANTING AREAS: 2" OF MINERAL MULCH TYPE 'A'. 5/8" BASALT CHIP
10. ALL LANDSCAPE AREAS TO BE IRRIGATED BY AN AUTOMTIC IRRIGATION SYSTEM. SEE IRRIGATION PLANS AND SPECIFICATIONS.
11. TREE LOCATIONS MAY VARY DEPENDING ON WALK, DRIVEWAY, AND UTILITY LOCATIONS. STAKE FOR APPROVAL PRIOR TO PLANTING.
12. LAYOUT OF MOWCURBS AND EDGING TO BE MARKED FOR APPROVAL PRIOR TO INSTALLATION.
13. DO NOT COMPACT BOTTOMS OF SWALES, PROTECT SWALES FROM CONSTRUCTION TRAFFIC AND DEBRIS. SEE CIVIL PLANS FOR SOILS IN SWALES.
14. ALL TREES TO BE SINGLE TRUNKED, UNLESS OTHERWISE NOTED. MULTI-TRUNKED TREES TO INCLUDE MAIN LEADER EQUAL OR GREATER TO SIZE SPECIFIED.
15. TREES OF THE SAME SPECIES SHALL BE MATCHED FROM SAME LOT AND GROWER.
16. FINISH GRADE TO BE:
   a. PLANTING AREAS: 2 1/2" BELOW ADJACENT WALKS OR HARDSCAPE ELEMENTS BEFORE INSTALLATION OF MINERAL/ORGANIC MULCH.
   b. TURF AREAS, SEEDED: 2" BELOW ADJACENT WALKS OR HARDSCAPE ELEMENTS.
17. TURF AREAS, SODDED: 2" BELOW ADJACENT WALKS OR HARDSCAPE ELEMENTS.

A LANDSCAPE PLAN

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1 inch = 20 ft.

MICHAEL TERRELL - LANDSCAPE ARCHITECTURE, PLLC
1421 N. MEADOWWOOD LANE, SUITE 150
LIBERTY LAKE, WA 99019
PHONE (509) 922-7449

PRELIMINARY - NOT FOR CONSTRUCTION

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
811
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REVISIONS

50% CONSTRUCTION DOCUMENTS

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NAC ARCHITECTURE
nacarchitecture.com
1203 WEST RIVERSIDE AVENUE
SPOKANE WA 99201
P:509.838.8240

NAC NO	111-19027
DRAWN	JCS
CHECKED	MDT
DATE	10-28-2019

LANDSCAPE PLAN

DD
L4.20

CALLOUTS

1. EXISTING TREE TO REMAIN, PRESERVE AND PROTECT.
2. 6" CONCRETE MOWCURB. SEE SHEET L5.20, DETAIL C.
3. HARDSCAPE, SEE ARCHITECTURAL PLANS.

LEGEND

- TURFGRASS SOD AND AUTOMATIC OVERHEAD IRRIGATION. 4" TYPE 'A' PLANTING SOIL
- LOW MAINTENANCE GRASSES AND AUTOMATIC OVERHEAD IRRIGATION. 2" TYPE 'A' PLANTING SOIL.
- SHRUB PLANTING AREA AND IRRIGATION. 6" TYPE 'A' PLANTING SOIL WITH 6" OF MINERAL MULCH - 80% TYPE 'A' MINERAL MULCH AND 20% TYPE 'B' MINERAL MULCH. LOCATIONS TO BE APPROVED.
- NATIVE OPEN AREA PLANTING. 2" TYPE 'A' PLANTING SOIL WITH 4" OF TYPE 'C' ORGANIC MULCH.
- NATIVE OPEN AREA PLANTING ROCK BED. 6" TYPE 'A' MINERAL MULCH.
- FENCING. SEE ARCHITECTURAL PLANS.
- BASALT BOULDER, 3-4', SEE SHEET L5.20, DETAIL D.

PLANT LEGEND

TREES	BOTANICAL / COMMON NAME	CONT	QTY
AG	Acer griseum / Paperbark Maple	2" Cal., Multistemmed	2
GB	Ginkgo biloba Presidential Gold ' / Presidential Gold Maidenhair	2" Cal.	2
HT	Heptacodium miconioides `SMNHMRF` TM / Temple of Boom Seven Sons Flower	2" Cal., Multistemmed	3
LO	Larix occidentalis / Western Larch	7-8` Tall	9
PG	Picea pungens `Glauca` / Colorado Blue Spruce	7-8` Tall	2
PF	Pinus flexilis `Vanderwolf`s Pyramid` / Vanderwolf`s Pyramid Pine	7-8` Tall	4
PM	Pinus monticola / Western White Pine	7-8` Tall	1
PP	Pinus ponderosa / Ponderosa Pine	7-8` Tall	21
PS	Pinus sylvestris / Scotch Pine	7-8` Tall	3
PD	Pseudotsuga menziesii / Douglas Fir	7-8` Tall	12
QR	Quercus rubra / Red Oak	2" Cal.	1
TS	Tilia tomentosa `Sterling` / Sterling Silver Linden	2" Cal	2

SHRUBS	BOTANICAL / COMMON NAME	SIZE	QTY
AU	Arctostaphylos uva-ursi / Kinnikinnick	3 gal	36
BG2	Buxus microphylla `Golden Triumph` / Golden Triumph Boxwood	3 gal	9
BG	Buxus x `Green Velvet` / Green Velvet Boxwood	3 gal	7
CA	Calamagrostis x acutiflora `Karl Foerster` / Feather Reed Grass	3 gal	97
CK	Caryopteris x clandonensis `Korball` / Blue Balloon Bluebeard	3 gal	50
CK2	Cornus sericea `Kelseyi` / Kelseyi Dogwood	3 gal	46
DB	Daphne x burkwoodii `Carol Mackie` / Carol Mackie Daphne	3 gal	13
EW	Echinacea purpurea `PAS702917` TM / PowWow Wild Berry Coneflower	1 gal	61
EI	Euonymus fortunei `Ivory Jade` / Wintercreeper	2 gal	31
GJ	Geranium x `Johnson`s Blue` / Johnson`s Blue Geranium	3 gal	34
HM2	Hakonechloa macra `All Gold` / Japanese Forest Grass	1 gal	10
HS	Helictotrichon sempervirens / Blue Oat Grass	2 gal	115
HF	Hosta x `Francee` / Plantain Lily	2 gal	6
LH	Lavandula angustifolia `Hidcote Blue` / Hidcote Blue Lavender	3 gal	19
MA	Mahonia aquifolium / Oregon Grape	2 gal	8
PM3	Physocarpus malvaceus / Mallow Ninebark	3 gal	12
PM2	Pinus mugo pumilio / Dwarf Mugo Pine	5 gal	10
RA	Rhus aromatica `Gro-Low` / Gro-Low Fragrant Sumac	2 gal	29
RW	Rosa woodsii / Mountain Rose	3 gal	32

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   d. PLANTING AREAS: 6" OF APPROVED PLANTING SOIL TYPE 'A'.
9. MINERAL MULCH SCHEDULE (SEE SPECIFICATIONS):
   a. PLANTING AREAS: 2" OF MINERAL MULCH TYPE 'A'. 5/8" BASALT CHIP
   b. NATIVE OPEN AREA PLANTING AREAS: 4" OF ORGANIC MULCH TYPE 'C' 3-4" MEDIUM RED FIR BARK
11. ALL LANDSCAPE AREAS TO BE IRRIGATED BY AN AUTOMTIC IRRIGATION SYSTEM. SEE IRRIGATION PLANS AND SPECIFICATIONS.
12. TREE LOCATIONS MAY VARY DEPENDING ON WALK, DRIVEWAY, AND UTILITY LOCATIONS. STAKE FOR APPROVAL PRIOR TO PLANTING.
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(IN FEET)
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nacarchitecture.com
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P:509.838.8240

NAC NO	111-19027
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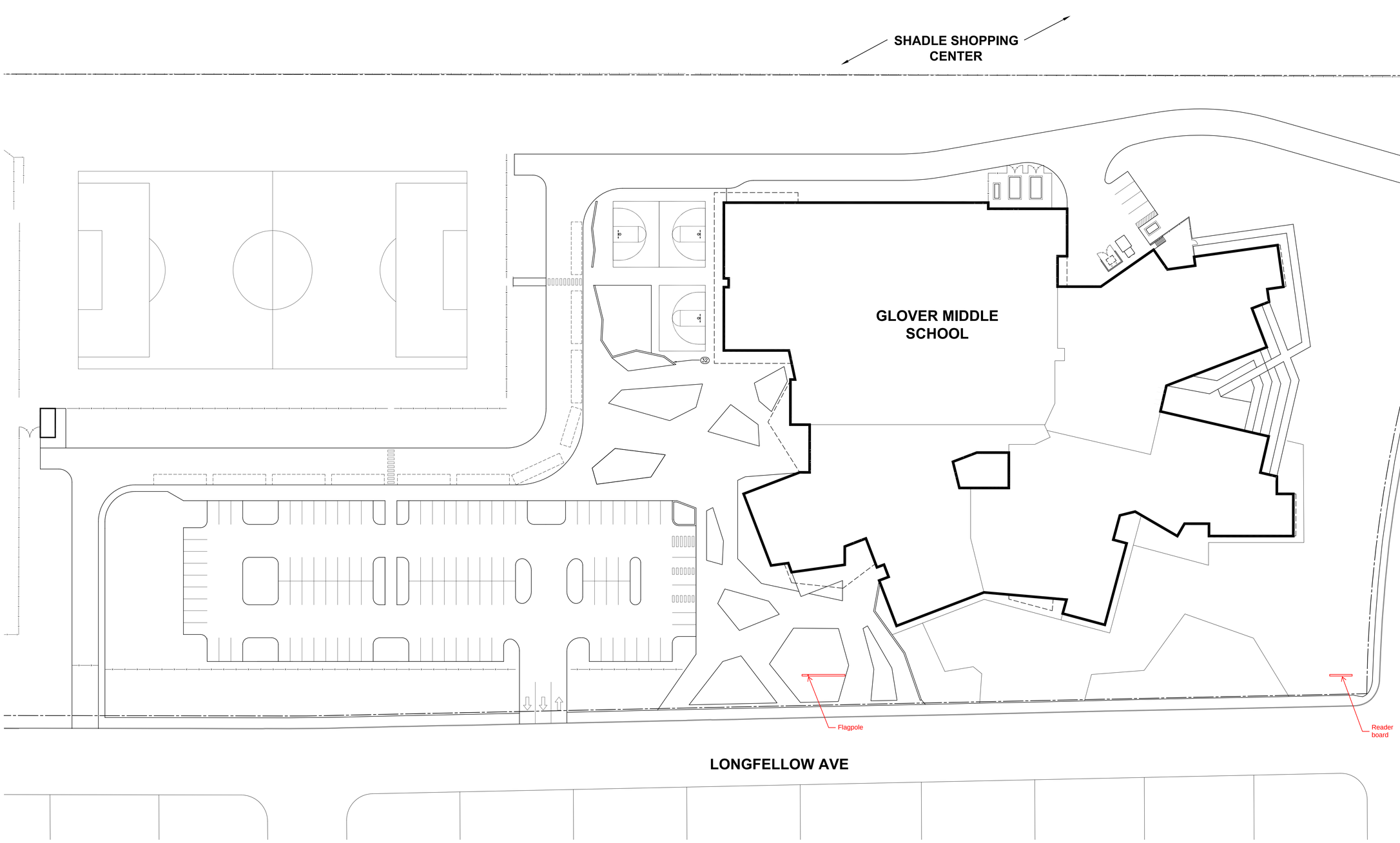
CHECKED	MDT
DATE	10-28-2019

LANDSCAPE PLAN

DD
L4.30



SITE PLAN GENERAL NOTES

1. SEE SHEET A1.01 FOR DEMOLITION INFORMATION.
2. WORK UNDER THIS CONTRACT INCLUDES ALL DESIGNATED CONCRETE WALKS, PADS & CURBS, AND ASPHALT PAVED WALKS WITHIN THE CONTRACT BOUNDARY. PROVIDE ALL SITE WORK INDICATED INCLUDING TOPSOIL, IRRIGATION, LANDSCAPING, SEEDING, ETC. TO PROVIDE A COMPLETED FINISHED SITE. SEE IRRIGATION, LANDSCAPING, CIVIL, MECHANICAL, & ELECTRICAL FOR EXTENT OF WORK UNDER THESE SUBCONTRACTORS.
3. SEE CIVIL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR UTILITIES, MANHOLES, VAULTS AND OTHER WORK RELATED TO THOSE DISCIPLINES.
4. PATCH AND REPAIR ALL EXISTING CONCRETE CURBS, WALKS, ASPHALT PAVING, UTILITIES, ETC., DAMAGED OR OTHERWISE AFFECTED BY THIS WORK.
5. VERIFY DIMENSIONS PRIOR TO CONSTRUCTION AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH CONSTRUCTION.
6. DIMENSIONS ARE TYPICALLY TO FACE OF CONCRETE FOUNDATION, EDGE OF WALL, OR PAVING SIDE OF CURB.
7. LOCATE SIDEWALK CONTROL OR EXPANSION JOINTS AS SHOWN IN WALKS & SLABS. IF JOINTS ARE NOT SPECIFICALLY DIMENSIONED, ALIGN WITH BUILDING COLUMNS AND PIERS, BUILDING OFFSETS, CENTER ON OPENINGS OR ALIGN WITH OTHER BUILDING ELEMENTS AS SHOWN.
8. PROVIDE PIPE SLEEVES UNDER SIDEWALKS AND ASPHALT PAVING – COORDINATE LOCATIONS WITH LANDSCAPE ARCHITECT.
9. NEW CONCRETE STAIRS, WALKS AND SLABS ARE TO BE 4" THICK UNLESS SHOWN OTHERWISE, AND MEET CITY OF SPOKANE STANDARDS.
10. SEE ENLARGED PLANS FOR ADDITIONAL INFORMATION.
11. COORDINATE WITH THE VARIOUS UTILITY COMPANIES FOR THEIR SERVICE INSTALLATION.
12. SEE SHEET A4.01 FOR TYPICAL EXTERIOR FINISHES, UNO
13. ADEQUATE ACCESS & MANEUVERING FOR REFUSE & EMERGENCY IS REQUIRED PER CITY STANDARDS & MUST BE MAINTAINED DURING CONSTRUCTION

SITE PLAN CODED NOTES

1. BIKE RACK, SEE LANDSCAPE
2. ADA ACCESSIBLE STALL, SEE CIVIL
3. VAN ACCESSIBLE STALL, SEE CIVIL
4. FLUSH CURB
5. CONCRETE SITE WALL
6. LIGHT, TYP – SEE ELEC
7. SIGN, SEE (X/XX) AND (X/XX) (X/XX)
8. NOT USED
9. PROVIDE 4' OPENING IN CHAIN LINK FENCE, MOW STRIP CONTINUES
10. RETAINING WALL, SEE CIVIL
11. EXIST CONCRETE CURB AND WALK TO REMAIN SHOWN SHADED
12. REPLACE EXISTING CHAIN LINK FABRIC & HORIZ RAILS IN 6' HIGH FENCE, CUT DOWN 10' H FENCE POSTS TO 6' & CAP
13. EXIST FIRE HYDRANT TO REMAIN
14. 6' HIGH CHAIN LINK FENCE AND MOW STRIP
15. 4' H CHAIN LINK FENCE & MOW STRIP, UNO
16. HEAVY TRAFFIC CONCRETE PAVING
17. NOT USED
18. NOT USED
19. DRYWELL, SEE CIVIL – TYP
20. FIRE HYDRANT, SEE CIVIL
21. DETECTABLE WARNING
22. CURB CUT – SEE CIVIL
23. NOT USED
24. LANE MARKING, SEE CIVIL
25. MAZE GATE, SEE (X/XX)
26. NEW CONC WALK AND 6' H CHAIN LINK FENCE IN MOW STRIP
27. EXIST TREES TO REMAIN PROTECT THROUGHOUT CONSTRUCTION
28. PEDESTRIAN SIGNAGE, SEE (X/XX)
29. NOT USED
30. NOT USED
31. MOW STRIP, SEE LANDSCAPE
32. DRINKING FTN, SEE LANDSCAPE
33. ATHLETIC STORAGE BUILDING, SEE (X/XX)

SITE PLAN LEGEND

- GENERAL EXTENT OF CONTRACT
- HEAVY TRAFFIC CONCRETE PAVING – SEE (X/XX)
- LANDSCAPE, SEE LANDSCAPE
- CONCRETE – SEE (X/XX)
- EXISTING CONC CURB AND/OR WALK

NOTE: SEE SPECIFICATIONS & CIVIL DRAWINGS FOR COMPLETE ROAD PROFILES, TYP

SIGNING AND STRIPING GENERAL NOTES

1. TRAFFIC SIGN POST LOCATIONS SHALL BE FIELD LOCATED BY THE CITY OF SPOKANE, PRIOR TO INSTALLATION. THE CONTRACTOR SHALL CONTACT THE CITY OF SPOKANE TRAFFIC SIGNS AND MARKERS SUPERVISOR, AT 232-8800, AT LEAST FIVE WORKDAYS PRIOR TO INSTALLATION, TO ARRANGE FOR A CITY REPRESENTATIVE TO FIELD LOCATE SAID SIGN POSTS.
2. FOR ALL TRAFFIC CONTROL SIGNS WITHIN THE RIGHT-OF-WAY: A SPEC. DRAWING SHALL BE SUBMITTED FOR APPROVAL, PRIOR TO MANUFACTURE, AND COMPLETED SIGNS SHALL BE PRESENTED FOR INSPECTION, PRIOR TO INSTALLATION, TO THE CITY OF SPOKANE TRAFFIC SIGNS AND MARKERS SUPERVISOR, AT 901 N. NELSON ST. AN APPOINTMENT IS NECESSARY.
3. AT THE TIME OF INSTALLATION, ALL SIGNAGE AND STRIPING WITHIN RIGHT-OF-WAY SHALL BE COMPLETED ACCORDING TO THE MOST UP-TO-DATE CITY OF SPOKANE STANDARDS AND SPECIFICATIONS.
4. TRAFFIC SIGNS REMOVED DURING ANY PHASE OF THE CONSTRUCTION PROCESS ARE THE CONTRACTOR'S PROPERTY AND ARE TO BE DISPOSED OF BY THE CONTRACTOR. THESE SIGNS ARE NOT TO BE REUSED.

N

SITE PLAN - EAST

Scale: 1" = 30'-0"

XSITE

REVISIONS

DESIGN DEVELOPMENT

SPOKANE PUBLIC SCHOOL DISTRICT NO. 81

GLOVER MIDDLE SCHOOL

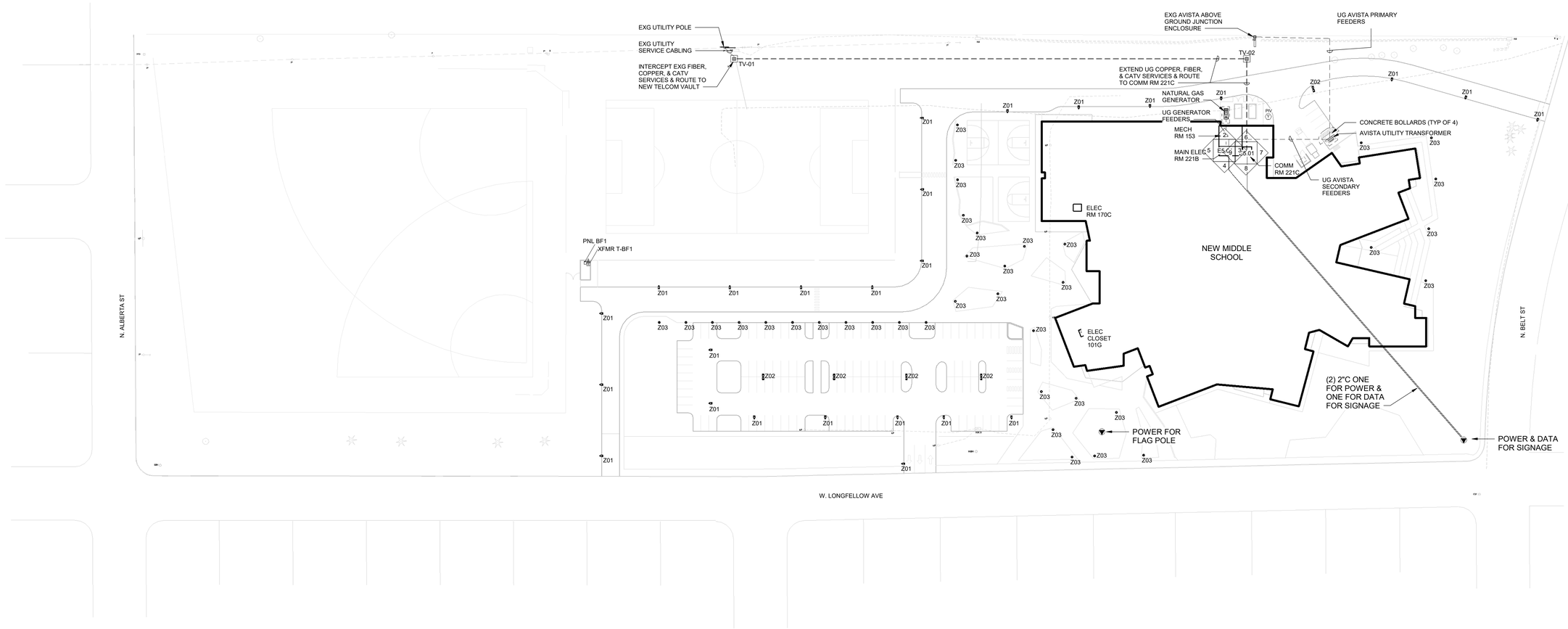
2404 W LONGFELLOW AVE, SPOKANE, WA 99205

NAC ARCHITECTURE
nacarchitecture.com
1203 WEST RIVERSIDE AVENUE
SPOKANE WA 99201
P:509.838.8240

NAC NO	111-19027
DRAWN	TDB
CHECKED	KJ
DATE	9-27-2019

SITE PLAN - EAST

A1.03



N

ELECTRICAL SITE PLAN

Scale 1" = 50'-0"

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REVISIONS

50% CONSTRUCTION DOCUMENTS

PRELIMINARY

10-29-2019

SPOKANE PUBLIC SCHOOL DISTRICT NO. 81

GLOVER MIDDLE SCHOOL

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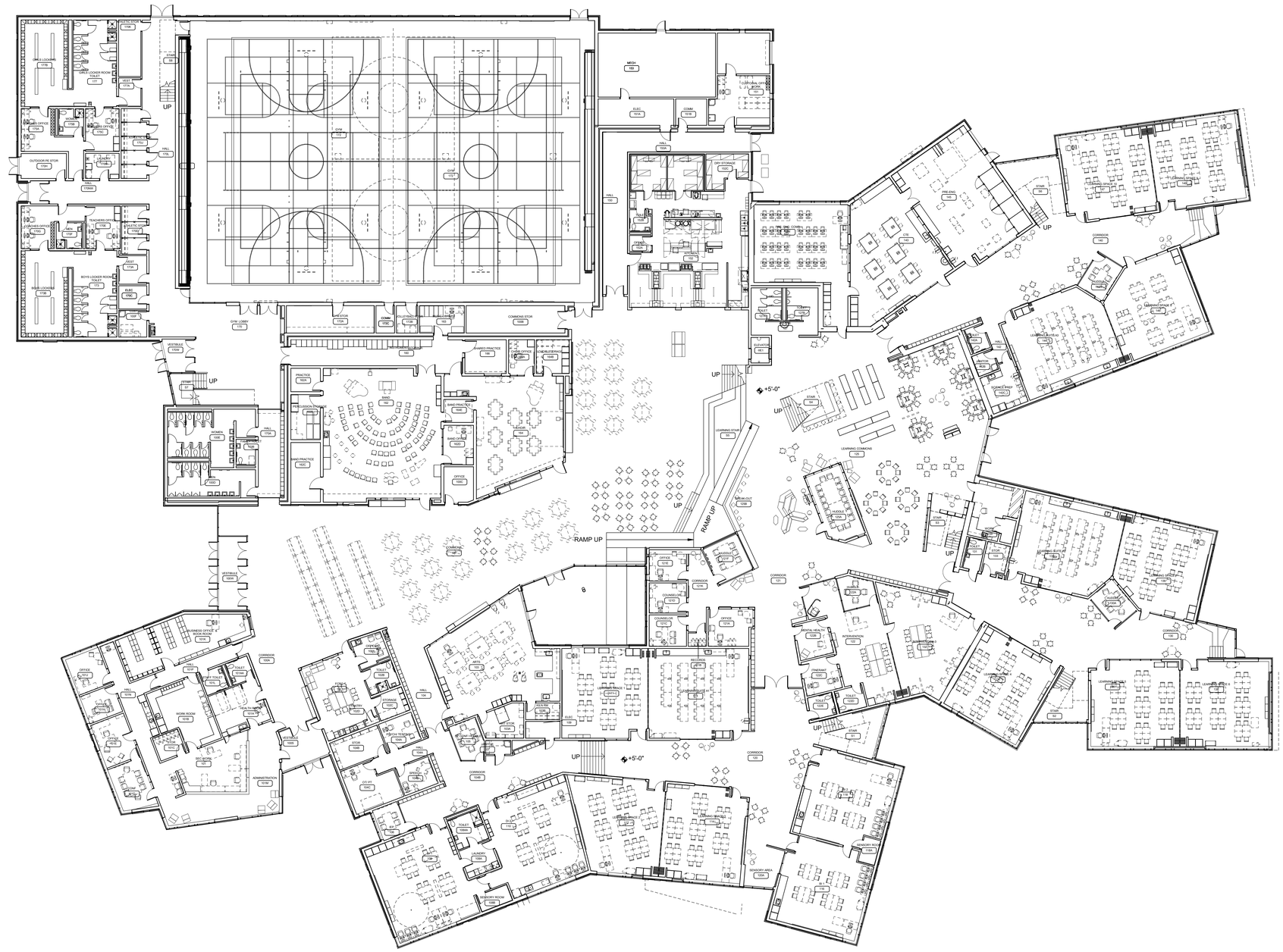
NAC ENGINEERING
nacarchitecture.com
1203 WEST RIVERSIDE AVE
SPOKANE WA 99201
P:509.838.8240

NAC NO	111-19027
DRAWN	WMM
CHECKED	JKS
DATE	10-29-2019

ELECTRICAL SITE PLAN

E1.01



LEVEL 1 FLOOR PLAN

Scale: 1/16" = 1'-0"

REVISIONS

50% CONSTRUCTION DOCUMENTS

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NAC NO	111-19027
DRAWN	MSC
CHECKED	
DATE	10-28-2019

OVERALL LEVEL 1
FLOOR PLAN

A3.01

1 LEVEL 2 FLOOR PLAN
Scale: 1/16" = 1'-0"

REVISIONS

50% CONSTRUCTION DOCUMENTS

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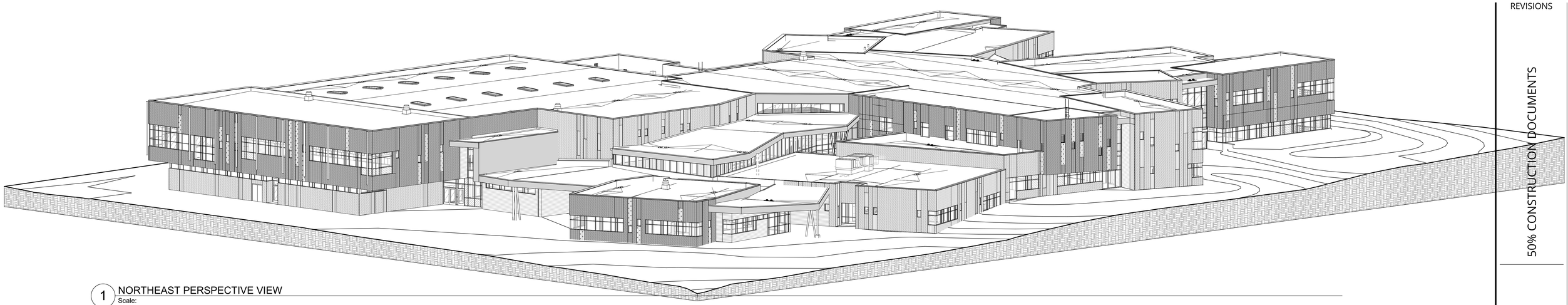
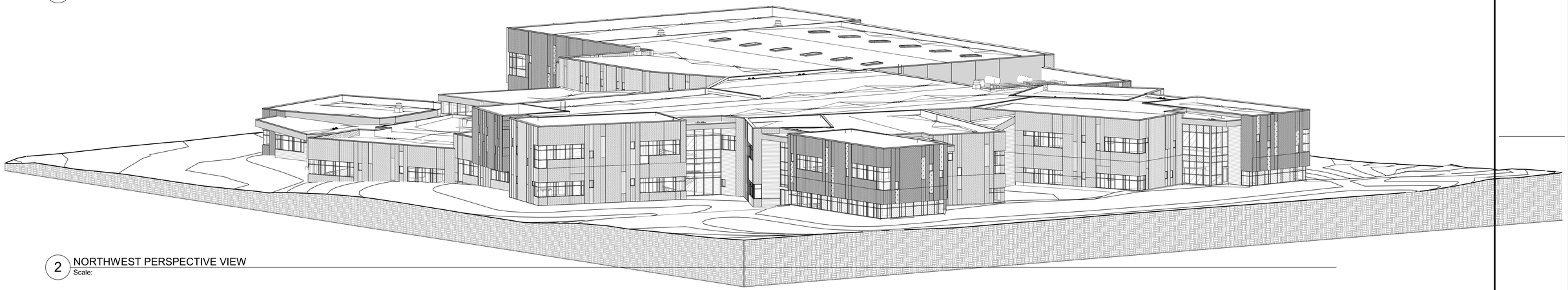
NAC NO 111-19027
DRAWN MSC
CHECKED
DATE 10-28-2019

OVERALL LEVEL 2
FLOOR PLAN

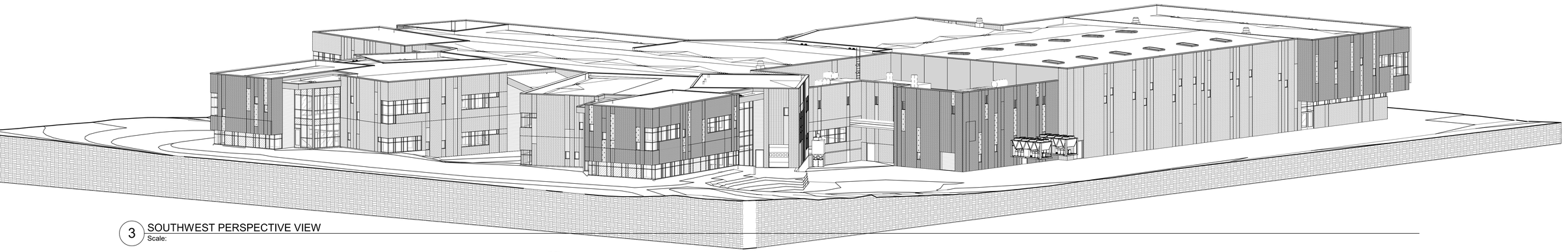
A3.02



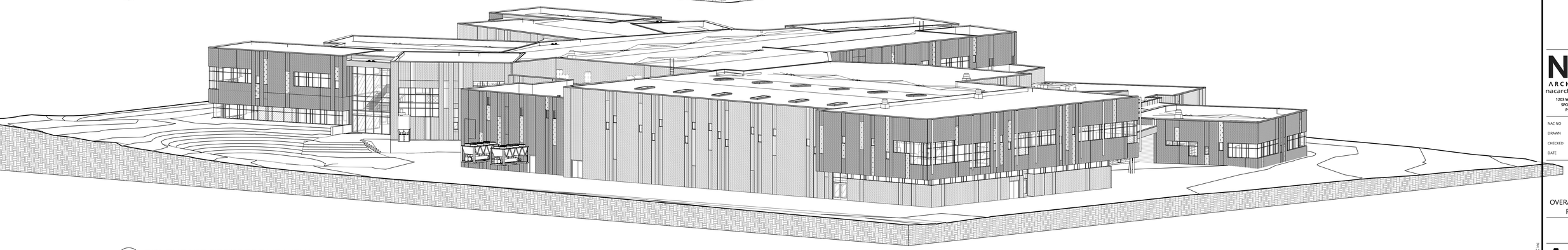
1 NORTHEAST PERSPECTIVE VIEW
Scale:



2 NORTHWEST PERSPECTIVE VIEW
Scale:



3 SOUTHWEST PERSPECTIVE VIEW
Scale:



4 SOUTHEAST PERSPECTIVE VIEW
Scale:

11/15/2019 11:18:14 AM D:_Revit\Glover_MS-ARCH-20_mchouinard8387.rvt

REVISIONS

50% CONSTRUCTION DOCUMENTS

SPOKANE PUBLIC SCHOOL DISTRICT NO. 81

GLOVER MIDDLE SCHOOL

2404 W LONGFELLOW AVE, SPOKANE, WA 99205

NAC ARCHITECTURE
nacarchitecture.com
1203 WEST RIVERSIDE AVE
SPOKANE WA 99201
P:509.838.8240

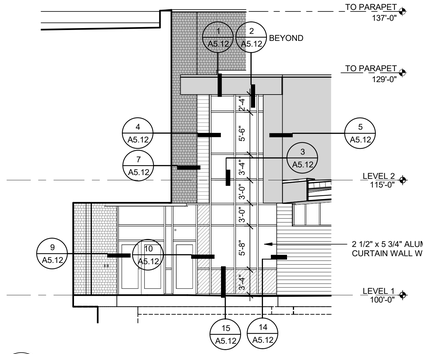
NAC NO	111-19027
DRAWN	RDP
CHECKED	MAM
DATE	10-28-2019

OVERALL EXTERIOR PERSPECTIVES

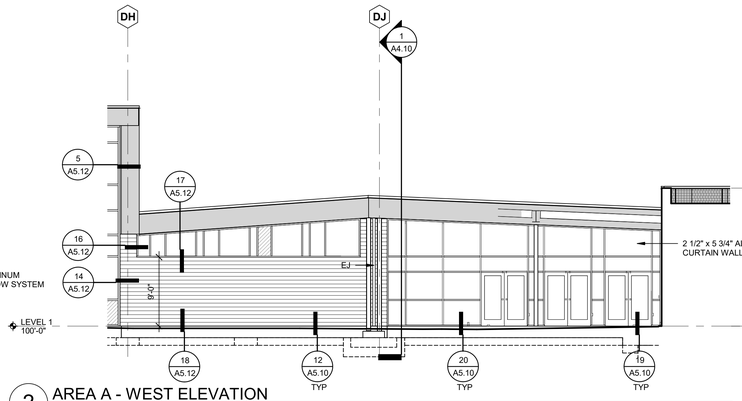
A4.00

EXTERIOR ELEVATION GENERAL NOTES

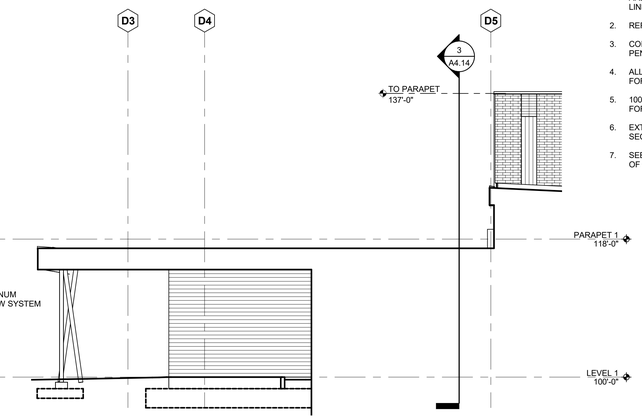
1. LOCATION AND SPACING OF WINDOW MULLIONS, MASONRY CONTROL JOINTS AND COURSE PATTERNS, ETC, ARE TO BE AS SHOWN ON EXTERIOR ELEVATIONS. WHERE NOT DIMENSIONED OR DETAILED, WINDOW MULLIONS AND MATERIAL JOINTS ARE TO BE EQUALLY SPACED AND/ OR CENTERED/ ALIGNED W/ ADJACENT ELEMENT (MASONRY COLUMN, EDGE OR CENTER LINE OF WINDOW OR DOOR OPENING, ETC) AS SHOWN.
2. REFER TO DETAILS FOR DIMENSION REFERENCE POINTS.
3. CONTROL JOINTS EXTEND FULL HEIGHT OF MASONRY, TYP. WHERE "CJ" IS INDICATED AT INSIDE CORNERS THE JOINT SHALL PENETRATE THE MASONRY SURFACE ON WHICH THE LABEL OCCURS. SEE DETAILS FOR ADDITIONAL CJ LOCATIONS.
4. ALL WINDOW AND LOUVER DIMENSIONS ARE FOR ROUGH OR MASONRY OPENING, UNLESS NOTED OTHERWISE. SEE PLANS FOR ADDITIONAL DIMENSION INFORMATION.
5. 100'-0" IS THE DATUM ELEVATION AND CORRESPONDS TO THE REFERENCED FLOOR SLAB ELEVATION 2012.00'. SEE CIVIL FOR FURTHER INFORMATION.
6. EXTERIOR WALL FINISHES EXTEND FULL HEIGHT TO SOFFITS (NOT SHOWN WHERE EAVES OBSCURE VIEW). SEE BUILDING SECTIONS & DETAILS.
7. SEE REFLECTED CEILING PLANS (RCP) FOR SHEET METAL CLAD SOFFIT COLORS. VERT FACE OF SOFFIT TO MATCH COLOR OF ASSOCIATED SOFFIT AS NOTED ON RCP.



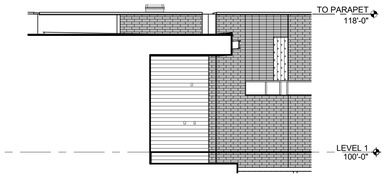
1 AREA A - WEST ELEVATION
Scale: 1/8" = 1'-0"



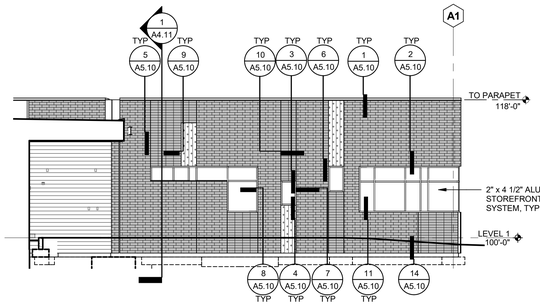
2 AREA A - WEST ELEVATION
Scale: 1/8" = 1'-0"



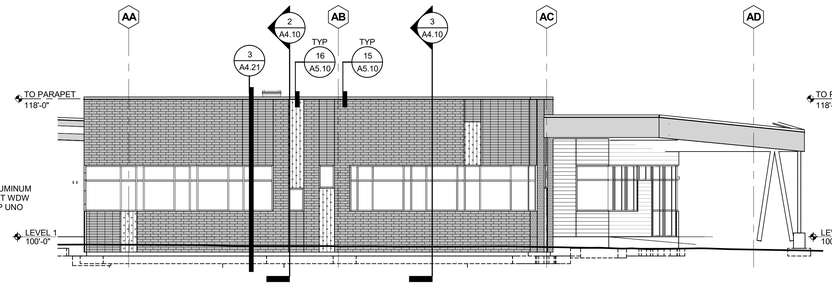
3 AREA A - SOUTH ELEVATION
Scale: 1/8" = 1'-0"



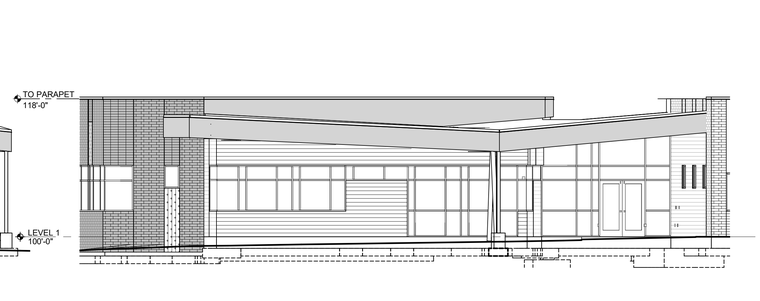
4 AREA A - NORTH ELEVATION
Scale: 1/8" = 1'-0"



5 AREA A - NORTH ELEVATION
Scale: 1/8" = 1'-0"



6 AREA A - WEST ELEVATION
Scale: 1/8" = 1'-0"



7 AREA A - SOUTH ELEVATION
Scale: 1/8" = 1'-0"

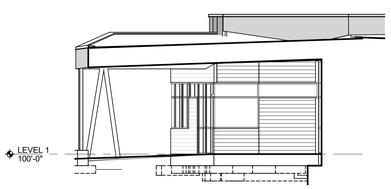
MATERIALS LEGEND

- BRICK TYPE 1
- BRICK TYPE 2
- BRICK TYPE 1 - STACK BOND
- BRICK TYPE 2 - STACK BOND
- ALUMINUM PLANK SIDING
- VERTICAL PLANK SIDING COLOR 1
- VERTICAL PLANK SIDING COLOR 2
- ALUMINUM COMPOSITE METAL PANEL SYSTEM

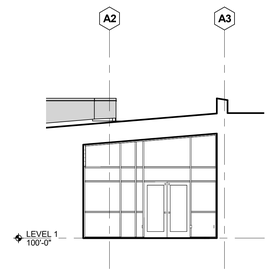
NOTE: THIS LEGEND DOES NOT INCLUDE ALL MATERIALS. SEE NOTES & REFERENCED DETAILS FOR ADDITIONAL INFORMATION.

GLAZING LEGEND

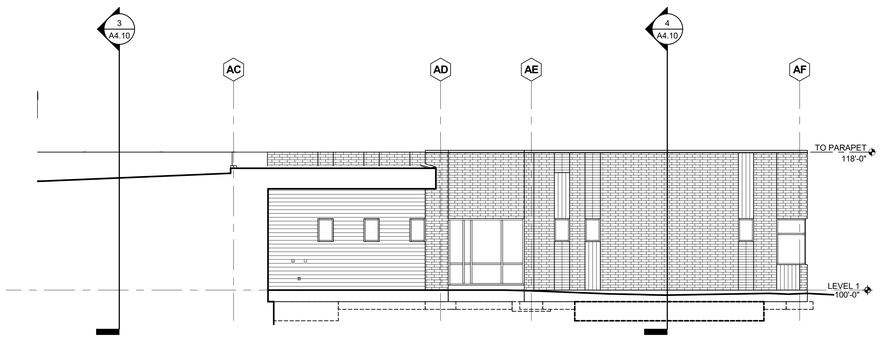
- CLEAR GLASS
- SPANDREL GLASS



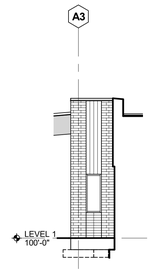
8 AREA A - EAST ELEVATION
Scale: 1/8" = 1'-0"



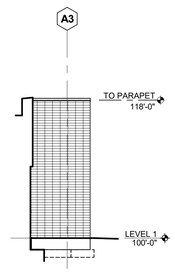
9 AREA A - SOUTH ELEVATION
Scale: 1/8" = 1'-0"



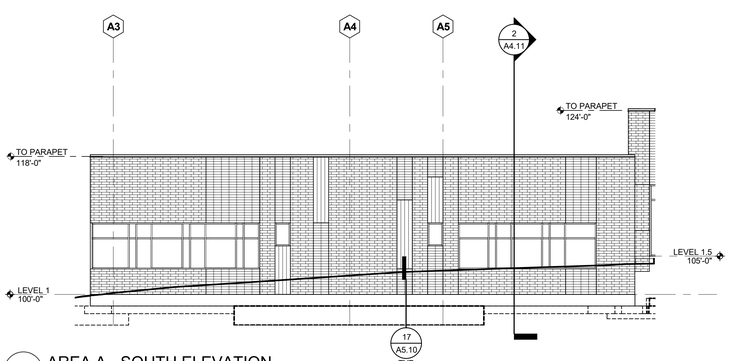
10 AREA A - WEST ELEVATION
Scale: 1/8" = 1'-0"



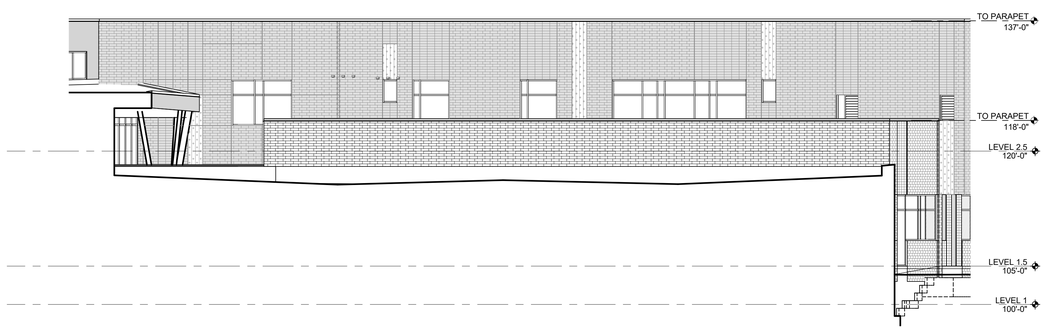
11 AREA A - SOUTH ELEVATION
Scale: 1/8" = 1'-0"



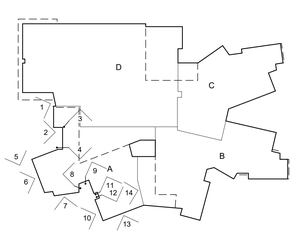
12 AREA A - NORTH ELEVATION
Scale: 1/8" = 1'-0"



13 AREA A - SOUTH ELEVATION
Scale: 1/8" = 1'-0"



14 AREA A - WEST ELEVATION
Scale: 1/8" = 1'-0"



KEY PLAN
Scale: NTS

REVISIONS

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GLOVER MIDDLE SCHOOL

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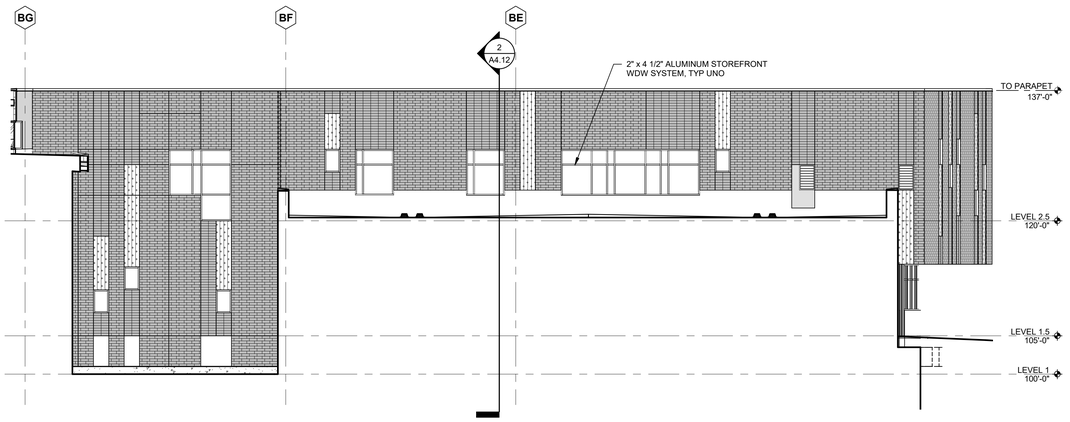
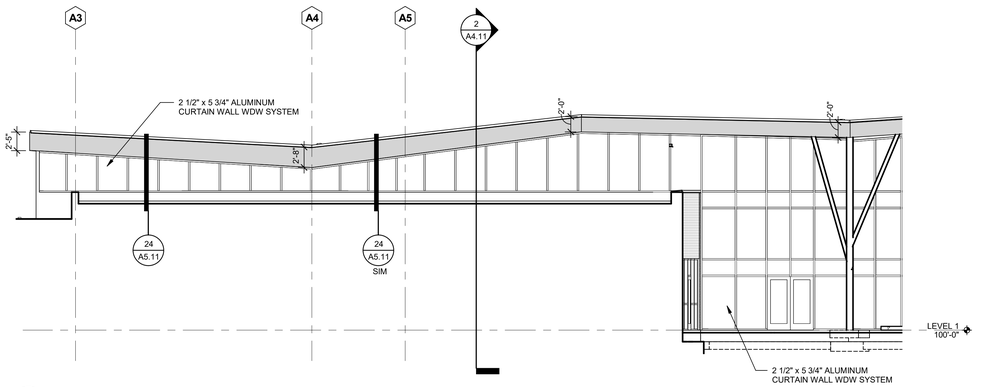
EXTERIOR ELEVATIONS

A4.01



1 AREA B - WEST ELEVATION
Scale: 1/8" = 1'-0"



2 AREA B - COURTYARD NORTH ELEVATION
Scale: 1/8" = 1'-0"

MATERIALS LEGEND

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- BRICK TYPE 2
- BRICK TYPE 1 - STACK BOND
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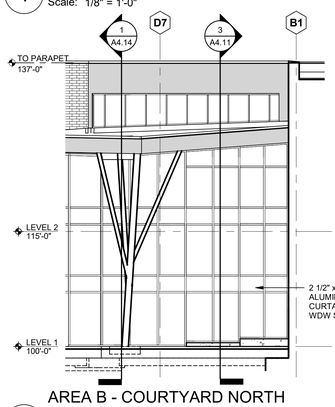
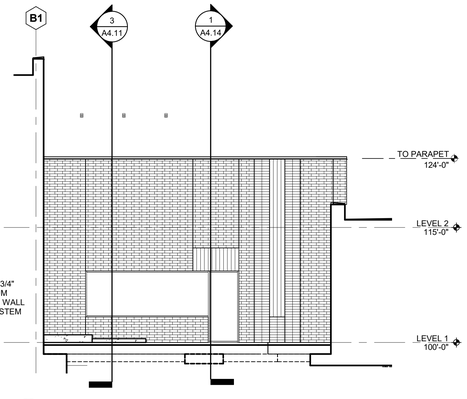
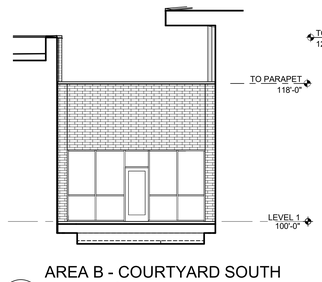


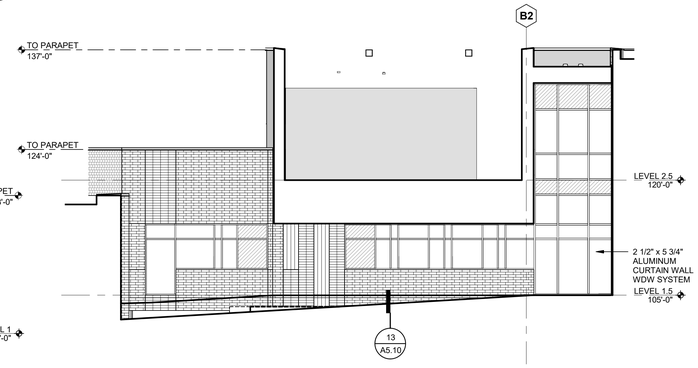
3 AREA B - COURTYARD NORTH ELEVATION
Scale: 1/8" = 1'-0"



4 AREA B - COURTYARD WEST ELEVATION
Scale: 1/8" = 1'-0"



5 AREA B - COURTYARD SOUTH ELEVATION
Scale: 1/8" = 1'-0"



6 AREA B - SOUTH ELEVATION
Scale: 1/8" = 1'-0"

EXTERIOR ELEVATION GENERAL NOTES

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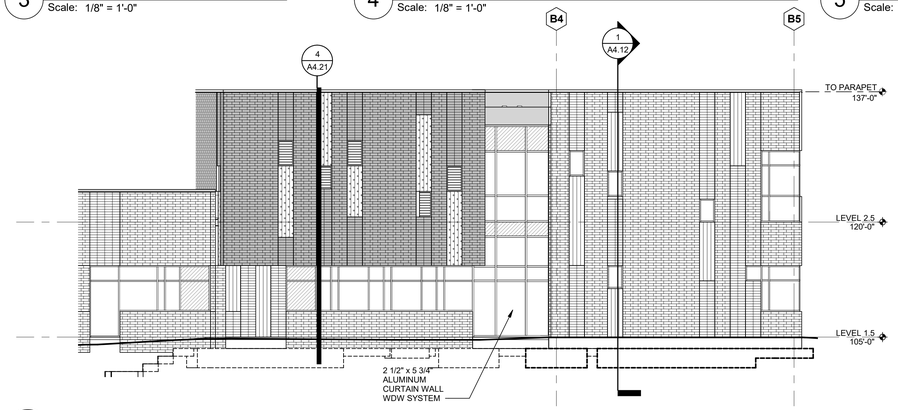
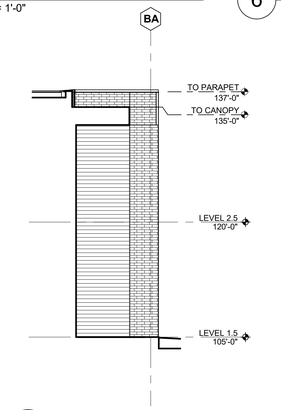
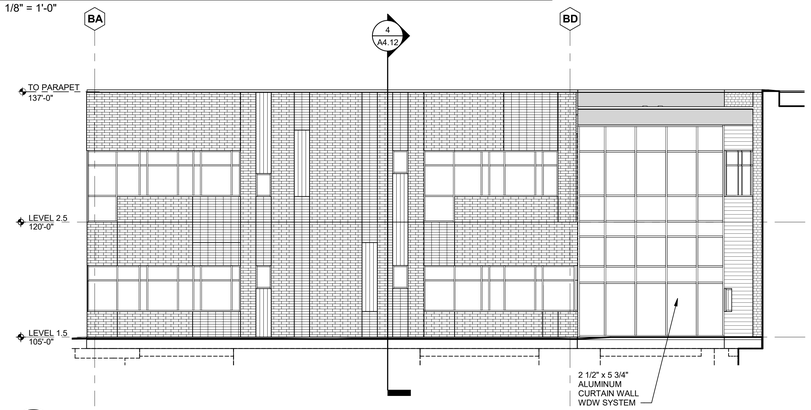


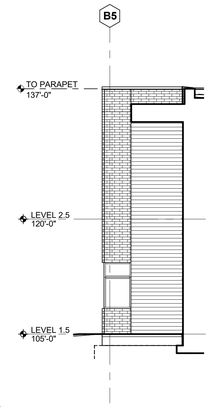
7 AREA B - SOUTH ELEVATION
Scale: 1/8" = 1'-0"



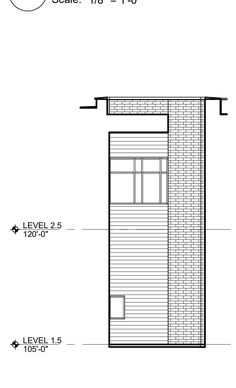
8 AREA B - WEST ELEVATION
Scale: 1/8" = 1'-0"



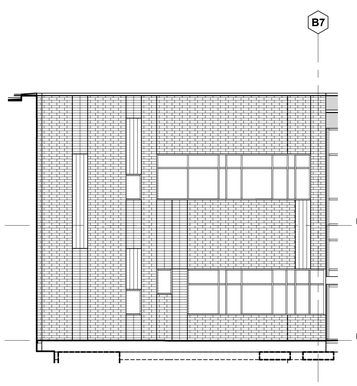
9 AREA B - EAST ELEVATION
Scale: 1/8" = 1'-0"



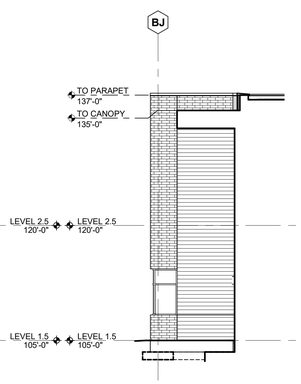
10 AREA B - NORTH ELEVATION
Scale: 1/8" = 1'-0"



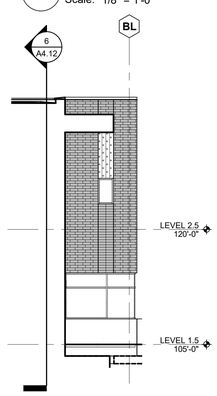
11 AREA B - SOUTH ELEVATION
Scale: 1/8" = 1'-0"



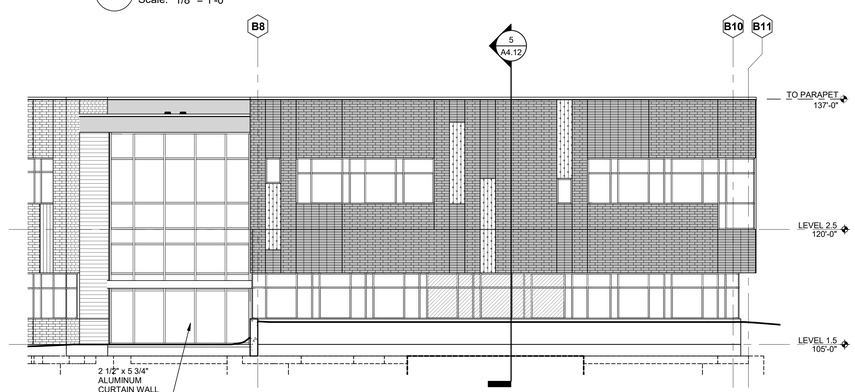
12 AREA B - SOUTH ELEVATION
Scale: 1/8" = 1'-0"



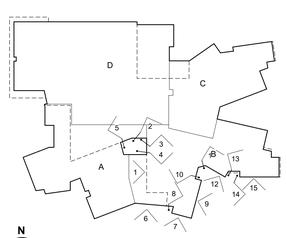
13 AREA B - WEST ELEVATION
Scale: 1/8" = 1'-0"



14 AREA B - EAST ELEVATION
Scale: 1/8" = 1'-0"



15 AREA B - SOUTH ELEVATION
Scale: 1/8" = 1'-0"



KEY PLAN
Scale: NTS

REVISIONS

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NAC NO	111-19027
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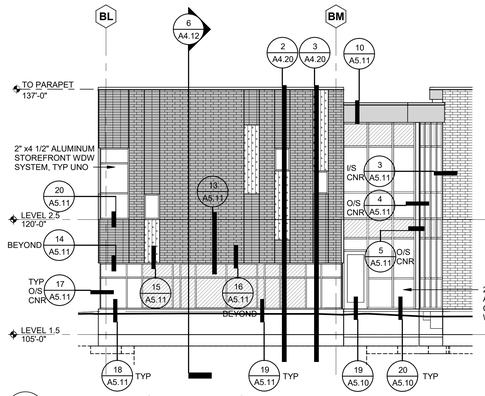
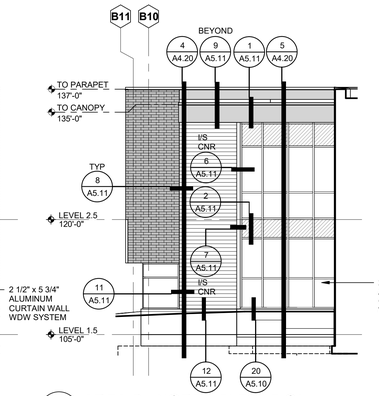
EXTERIOR ELEVATIONS

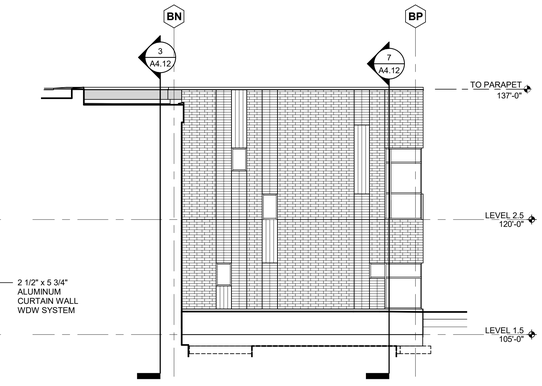
A4.02



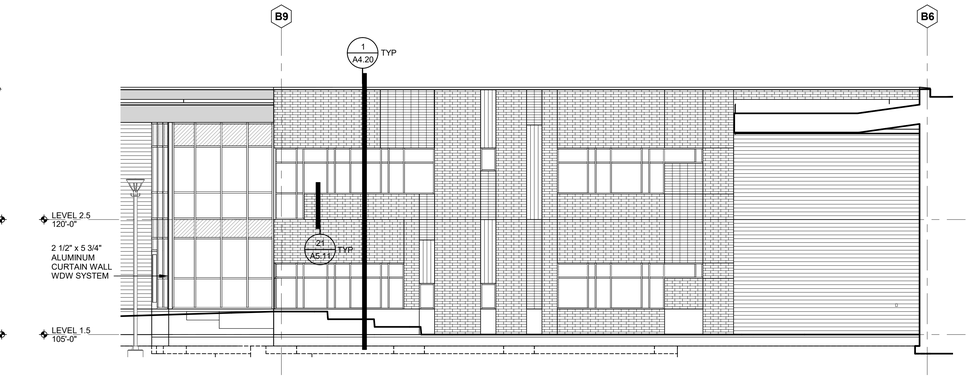
1 AREA B - EAST ELEVATION
Scale: 1/8" = 1'-0"



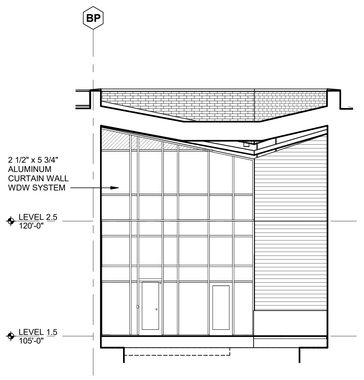
2 AREA B - NORTH ELEVATION
Scale: 1/8" = 1'-0"



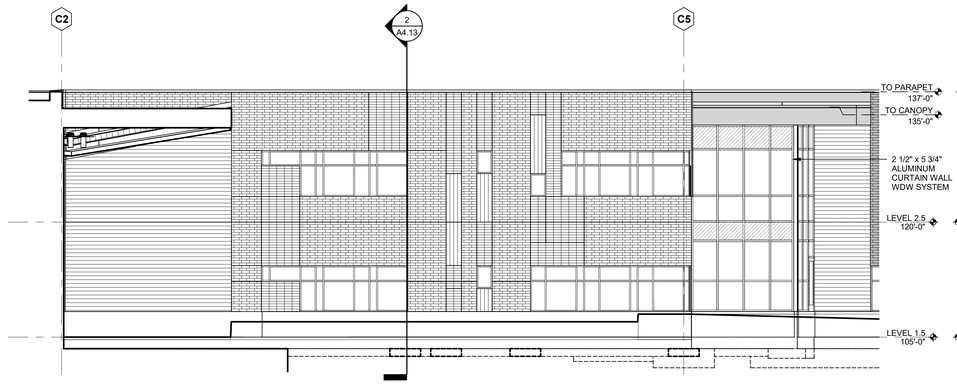
3 AREA B - EAST ELEVATION
Scale: 1/8" = 1'-0"



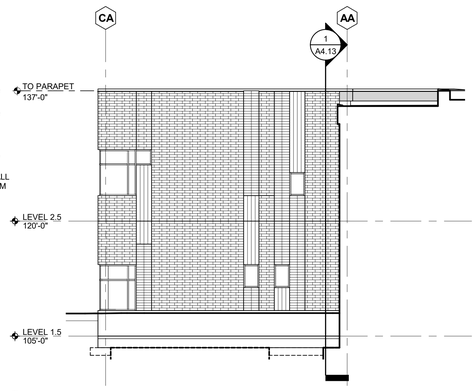
4 AREA B - NORTH ELEVATION
Scale: 1/8" = 1'-0"



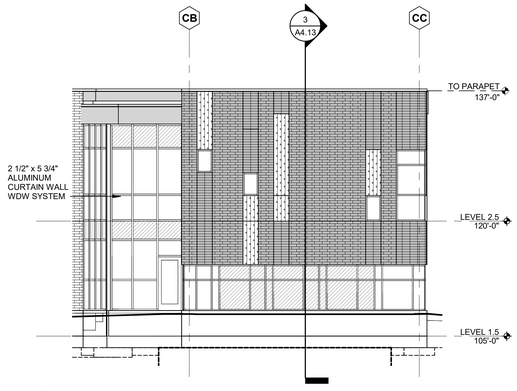
5 AREA C - EAST ELEVATION
Scale: 1/8" = 1'-0"



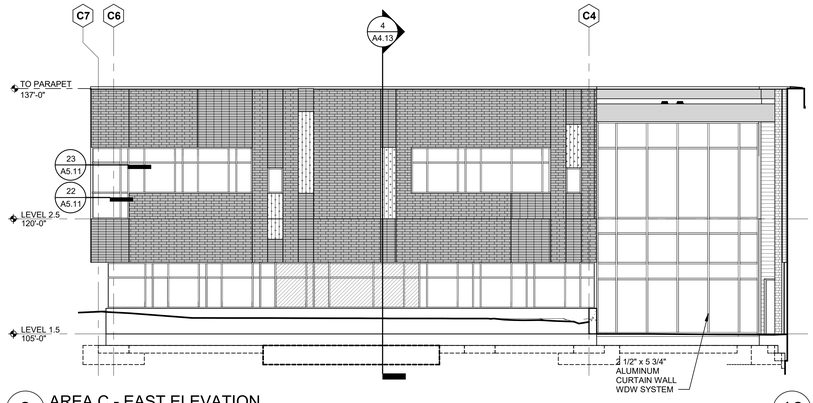
6 AREA C - SOUTH ELEVATION
Scale: 1/8" = 1'-0"



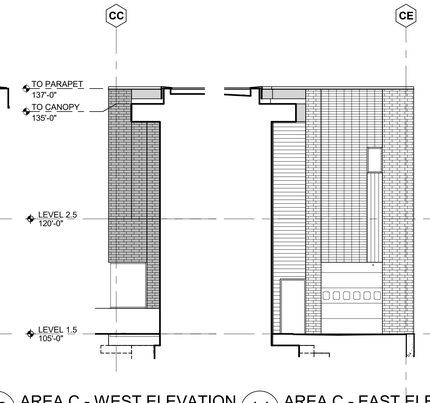
7 AREA C - EAST ELEVATION
Scale: 1/8" = 1'-0"



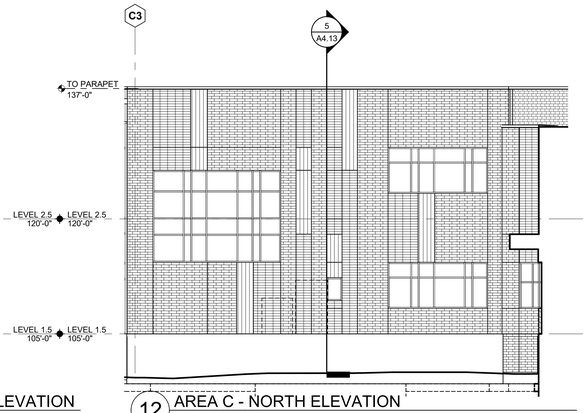
8 AREA C - EAST ELEVATION
Scale: 1/8" = 1'-0"



9 AREA C - EAST ELEVATION
Scale: 1/8" = 1'-0"

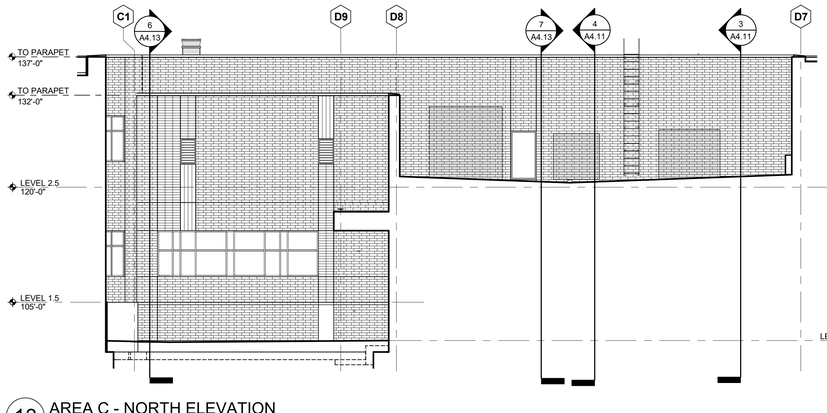


10 AREA C - WEST ELEVATION
Scale: 1/8" = 1'-0"

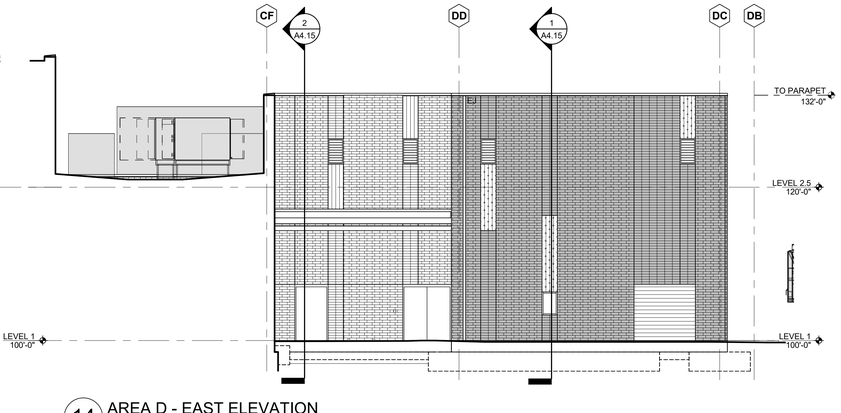


11 AREA C - EAST ELEVATION
Scale: 1/8" = 1'-0"

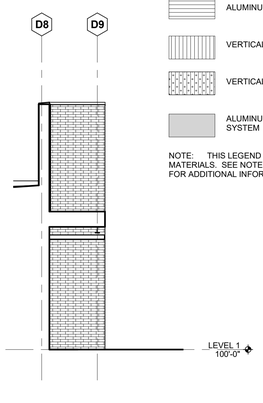
12 AREA C - NORTH ELEVATION
Scale: 1/8" = 1'-0"



13 AREA C - NORTH ELEVATION
Scale: 1/8" = 1'-0"



14 AREA D - EAST ELEVATION
Scale: 1/8" = 1'-0"



15 AREA D - SOUTH ELEVATION
Scale: 1/8" = 1'-0"

EXTERIOR ELEVATION GENERAL NOTES

1. LOCATION AND SPACING OF WINDOW MULLIONS, MASONRY CONTROL JOINTS AND COURSE PATTERNS, ETC, ARE TO BE AS SHOWN ON EXTERIOR ELEVATIONS. WHERE NOT DIMENSIONED OR DETAILED, WINDOW MULLIONS AND MATERIAL JOINTS ARE TO BE EQUALLY SPACED AND/ OR CENTERED/ ALIGNED W/ ADJACENT ELEMENT (MASONRY COLUMN, EDGE OR CENTER LINE OF WINDOW OR DOOR OPENING, ETC) AS SHOWN.
2. REFER TO DETAILS FOR DIMENSION REFERENCE POINTS.
3. CONTROL JOINTS EXTEND FULL HEIGHT OF MASONRY, TYP. WHERE "CJ" IS INDICATED AT INSIDE CORNERS THE JOINT SHALL PENETRATE THE MASONRY SURFACE ON WHICH THE LABEL OCCURS. SEE DETAILS FOR ADDITIONAL CJ LOCATIONS.
4. ALL WINDOW AND LOUVER DIMENSIONS ARE FOR ROUGH OR MASONRY OPENING, UNLESS NOTED OTHERWISE. SEE PLANS FOR ADDITIONAL DIMENSION INFORMATION.
5. 100'-0" IS THE DATUM ELEVATION AND CORRESPONDS TO THE REFERENCED FLOOR SLAB ELEVATION 2012.00'. SEE CIVIL FOR FURTHER INFORMATION.
6. EXTERIOR WALL FINISHES EXTEND FULL HEIGHT TO SOFFITS (NOT SHOWN WHERE EAVES OBSCURE VIEW). SEE BUILDING SECTIONS & DETAILS.
7. SEE REFLECTED CEILING PLANS (RCP) FOR SHEET METAL CLAD SOFFIT COLORS. VERT FACE OF SOFFIT TO MATCH COLOR OF ASSOCIATED SOFFIT AS NOTED ON RCP.

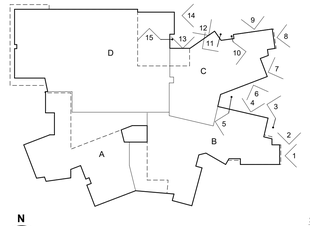
MATERIALS LEGEND

- BRICK TYPE 1
- BRICK TYPE 2
- BRICK TYPE 1 - STACK BOND
- BRICK TYPE 2 - STACK BOND
- ALUMINUM PLANK SIDING
- VERTICAL PLANK SIDING COLOR 1
- VERTICAL PLANK SIDING COLOR 2
- ALUMINUM COMPOSITE METAL PANEL SYSTEM

NOTE: THIS LEGEND DOES NOT INCLUDE ALL MATERIALS. SEE NOTES & REFERENCED DETAILS FOR ADDITIONAL INFORMATION.

GLAZING LEGEND

- CLEAR GLASS
- SPANDREL GLASS



N
KEY PLAN
Scale: NTS

REVISIONS

50% CONSTRUCTION DOCUMENTS

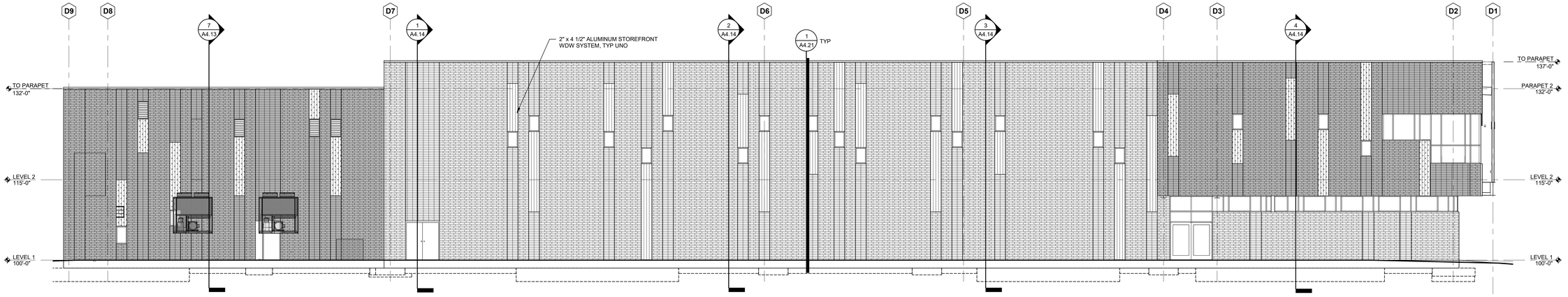
SPOKANE PUBLIC SCHOOL DISTRICT NO. 81
GLOVER MIDDLE SCHOOL
2404 W LONGFELLOW AVE, SPOKANE, WA 99205

NAC ARCHITECTURE
nacarchitecture.com
1203 WEST RIVERSIDE AVE
SPOKANE WA 99201
P:509.838.8240

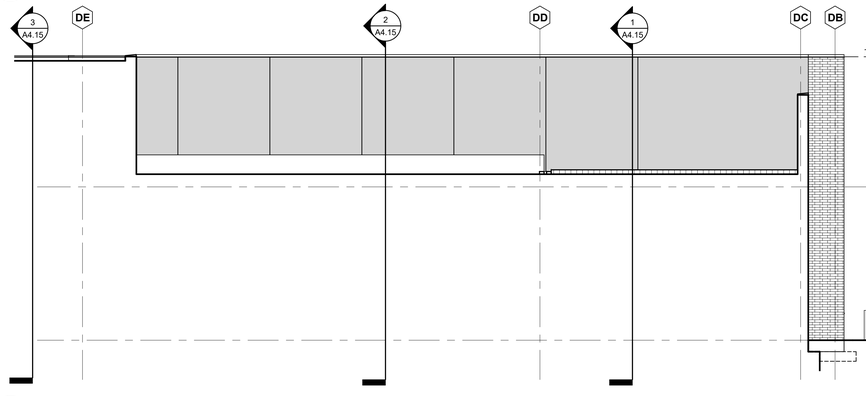
NAC NO	111-19027
DRAWN	RDP
CHECKED	MAM
DATE	10-28-2019

EXTERIOR ELEVATIONS

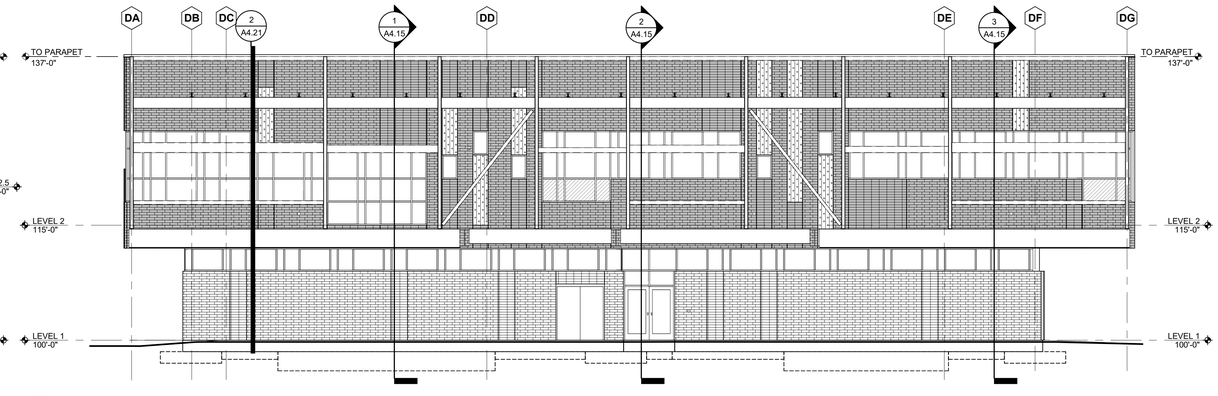
A4.03



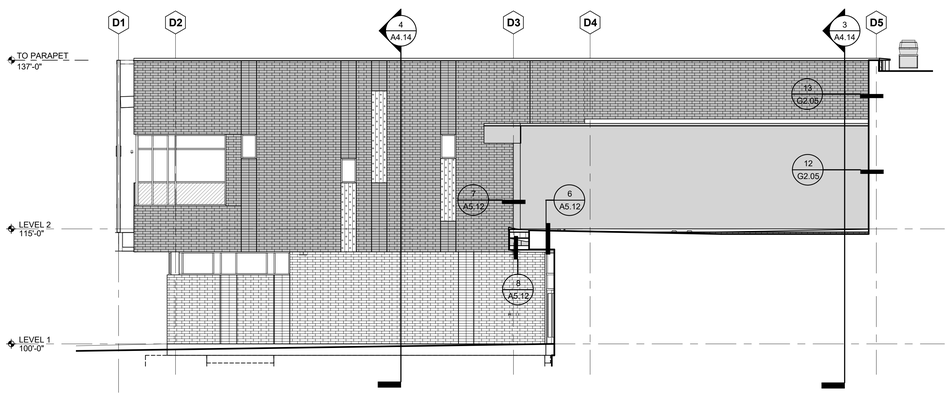
1 AREA D - NORTH ELEVATION
Scale: 1/8" = 1'-0"

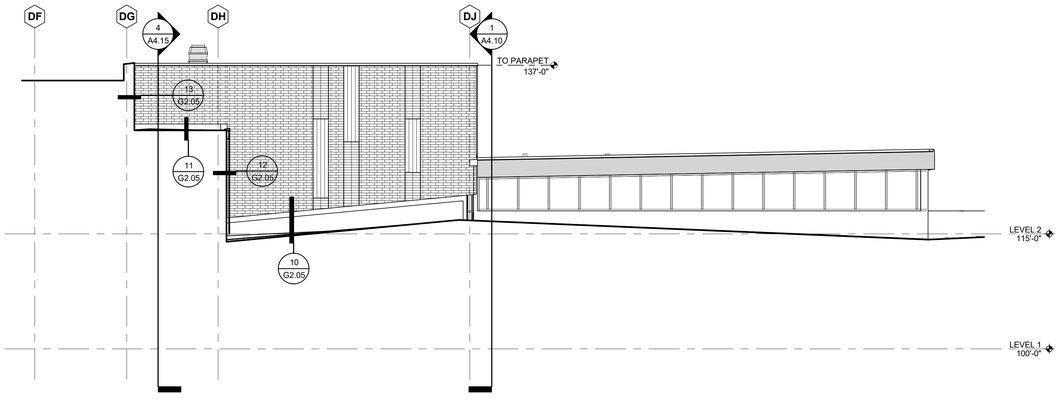


2 AREA D - EAST ELEVATION
Scale: 1/8" = 1'-0"



3 AREA D - WEST ELEVATION
Scale: 1/8" = 1'-0"



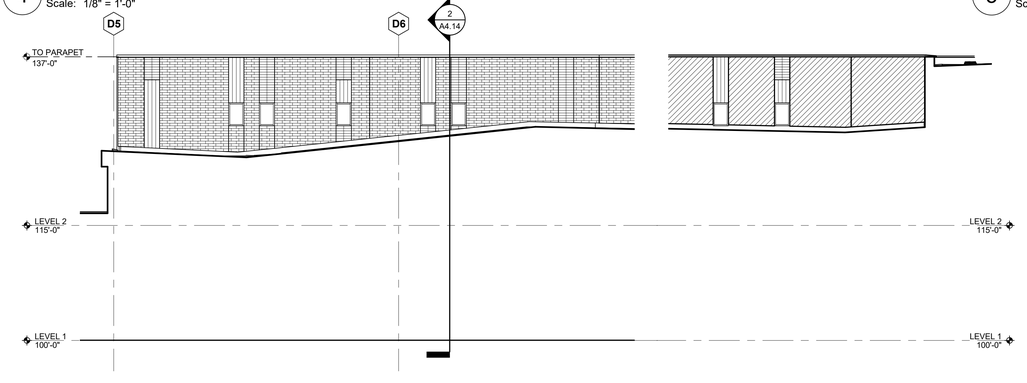


MATERIALS LEGEND

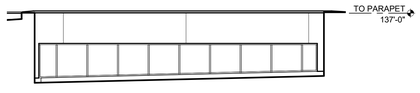
- BRICK TYPE 1
- BRICK TYPE 2
- BRICK TYPE 1 - STACK BOND
- BRICK TYPE 2 - STACK BOND
- ALUMINUM PLANK SIDING
- VERTICAL PLANK SIDING COLOR 1
- VERTICAL PLANK SIDING COLOR 2
- ALUMINUM COMPOSITE METAL PANEL SYSTEM

NOTE: THIS LEGEND DOES NOT INCLUDE ALL MATERIALS. SEE NOTES & REFERENCED DETAILS FOR ADDITIONAL INFORMATION.

4 AREA D - SOUTH ELEVATION
Scale: 1/8" = 1'-0"



5 AREA D - WEST CLERESTORY ELEVATION
Scale: 1/8" = 1'-0"



EXTERIOR ELEVATION GENERAL NOTES

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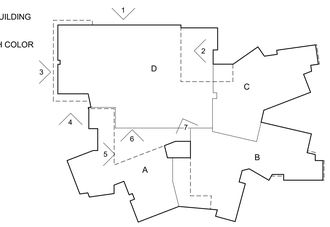
GLAZING LEGEND

- CLEAR GLASS
- SPANDREL GLASS



KEY PLAN
Scale: NTS

6 AREA D - SOUTH CLERESTORY ELEVATION
Scale: 1/8" = 1'-0"

7 AREA D - SOUTH CLERESTORY ELEVATION
Scale: 1/8" = 1'-0"

8 AREA D - EAST CLERESTORY ELEVATION
Scale: 1/8" = 1'-0"

11/15/2019 11:32:38 AM D:_Revit\Glover_MS-ARCH-20_mchouinard8387.rvt

REVISIONS

50% CONSTRUCTION DOCUMENTS

SPOKANE PUBLIC SCHOOL DISTRICT NO. 81
GLOVER MIDDLE SCHOOL
2404 W LONGFELLOW AVE, SPOKANE, WA 99205

NAC ARCHITECTURE
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1203 WEST RIVERSIDE AVE
SPOKANE WA 99201
P:509.838.8240

NAC NO	111-19027
DRAWN	RDP
CHECKED	MAM
DATE	10-28-2019

EXTERIOR ELEVATIONS

A4.04

McGraw-Edison

DESCRIPTION

The Galleon™ LED luminaire delivers exceptional performance in a highly scalable, low-profile design. Patented, high-efficiency AccuLED Optics™ system provides uniform and energy conscious illumination to walkways, parking lots, roadways, building areas and security lighting applications. IP66 rated and UL/cUL Listed for wet locations.

Catalog #		**Type**
Project		Z01
Comments		**Date**
Prepared by		

SPECIFICATION FEATURES

Construction
Extruded aluminum driver enclosure thermally isolated from Light Squares for optimal thermal performance. Heavy-wall, die-cast aluminum end caps enclose housing and die-cast aluminum heat sinks. A unique, patent pending interlocking housing and heat sink provides scalability with superior structural rigidity. 3G vibration tested and rated. Optional tool-less hardware available for ease of entry into electrical chamber. Housing is IP66 rated.

Optics
Patented, high-efficiency injection-molded AccuLED Optics technology. Optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 4000K (+/- 275K) CCT 70 CRI. Optional 3000K, 5000K and 6000K CCT.

Electrical
LED drivers are mounted to removable tray assembly for ease of maintenance. 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Standard with 0-10V dimming. Shipped standard with Eaton proprietary circuit module designed to withstand 10kV of transient line surge. The Galleon LED luminaire is suitable for operation in -40°C to 40°C ambient environments. For applications with ambient temperatures exceeding 40°C, specify the HA (High Ambient) option. Light Squares are IP66 rated. Greater than 90% lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 600mA, 800mA and 1200mA drive currents (nominal).

Mounting
STANDARD ARM MOUNT: Extruded aluminum arm includes internal bolt guides allowing for easy positioning of fixture during mounting. When mounting two or more luminaires at 90° and 120° apart, the EA extended arm may be required. Refer to the arm mounting requirement table. Round pole adapter included. For wall mounting, specify wall mount bracket option. QUICK MOUNT ARM: Adapter is bolted directly to the pole. Quick mount arm slide into place on the adapter and is secured via two screws, facilitating quick and easy installation. The versatile, patent pending, quick mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8". Removal of the door on the quick mount arm enables wiring of the fixture without having to access the driver compartment. A knock-out enables round pole mounting.

Finish
Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Heat sink is powder coated black. Standard housing colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available.

Warranty
Five-year warranty.

GLEON
GALLEON LED

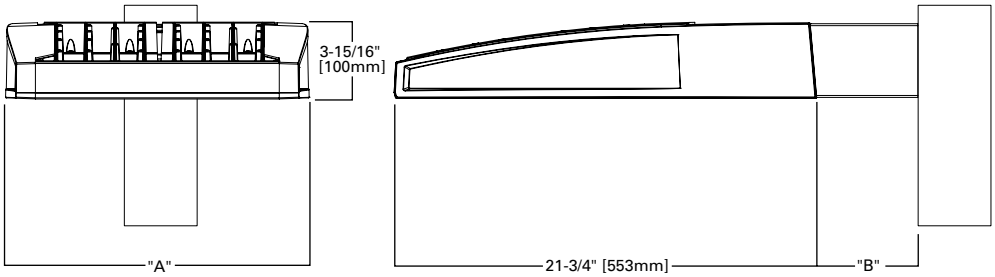
1-10 Light Squares
Solid State LED

AREA/SITE LUMINAIRE

LumenSafe Technology
CLICK HERE

WaveLinx

DIMENSIONS



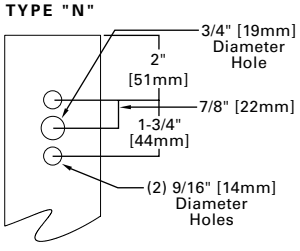
DIMENSION DATA

Number of Light Squares	"A" Width	"B" Standard Arm Length	"B" Optional Arm Length [1]	Weight with Arm (lbs.)	EPA with Arm [2] (Sq. Ft.)
1-4	15-1/2" (394mm)	7" (178mm)	10" (254mm)	33 (15.0 kgs.)	0.96
5-6	21-5/8" (549mm)	7" (178mm)	10" (254mm)	44 (20.0 kgs.)	1.00
7-8	27-5/8" (702mm)	7" (178mm)	13" (330mm)	54 (24.5 kgs.)	1.07
9-10	33-3/4" (857mm)	7" (178mm)	16" (406mm)	63 (28.6 kgs.)	1.12

NOTES: 1. Optional arm length to be used when mounting two fixtures at 90° on a single pole. **2.** EPA calculated with optional arm length.

DRILLING PATTERN

TYPE "N"



CERTIFICATION DATA

3G Vibration Rated
DesignLights Consortium® Qualified*
IP66 Rated
ISO 9001
LM79 / LM80 Compliant
UL/cUL Wet Location Listed

ENERGY DATA

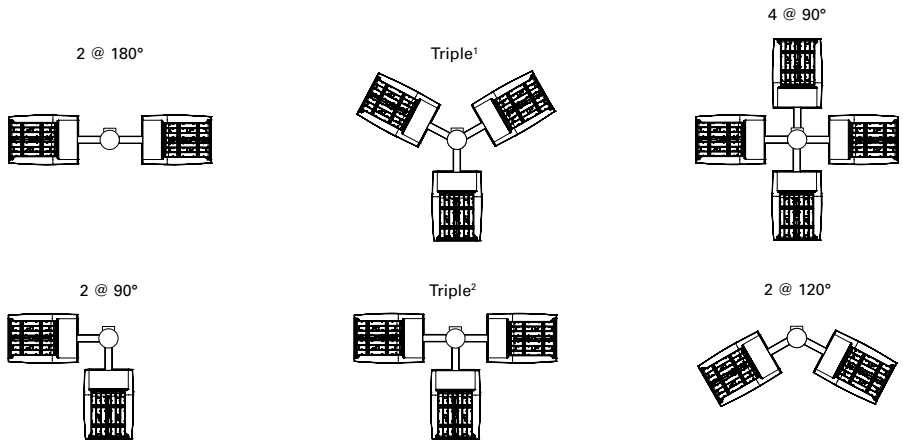
Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120V-277V 50/60Hz
347V, 480V 60Hz
-40°C Min. Temperature
40°C Max. Temperature
50°C Max. Temperature (HA Option)

*www.designlights.org

Powering Business Worldwide

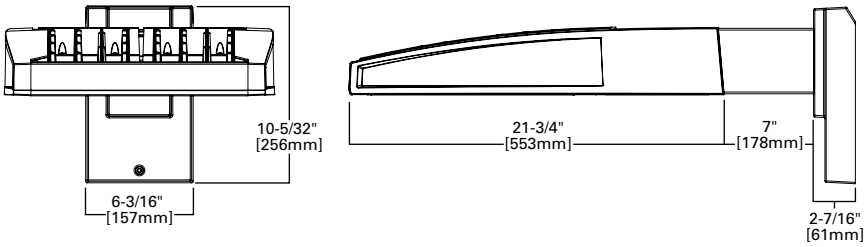
ARM MOUNTING REQUIREMENTS

Configuration	90° Apart	120° Apart
GLEON-AF-01	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-02	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-03	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-04	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-05	10" Extended Arm (Required)	7" Arm (Standard)
GLEON-AF-06	10" Extended Arm (Required)	7" Arm (Standard)
GLEON-AF-07	13" Extended Arm (Required)	13" Extended Arm (Required)
GLEON-AF-08	13" Extended Arm (Required)	13" Extended Arm (Required)
GLEON-AF-09	16" Extended Arm (Required)	16" Extended Arm (Required)
GLEON-AF-10	16" Extended Arm (Required)	16" Extended Arm (Required)

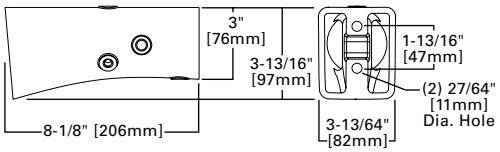


NOTES: 1 Round poles are 3 @ 120°. Square poles are 3 @ 90°. **2** Round poles are 3 @ 90°.

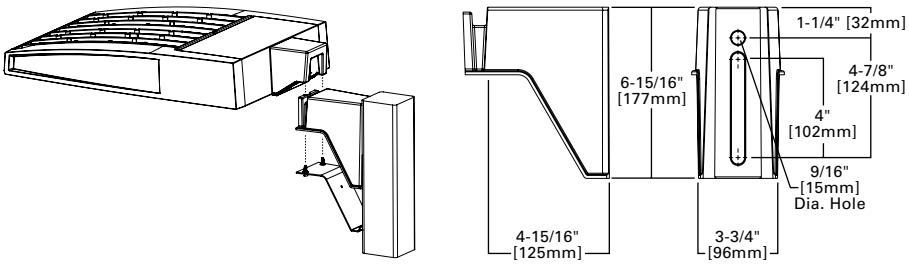
STANDARD WALL MOUNT



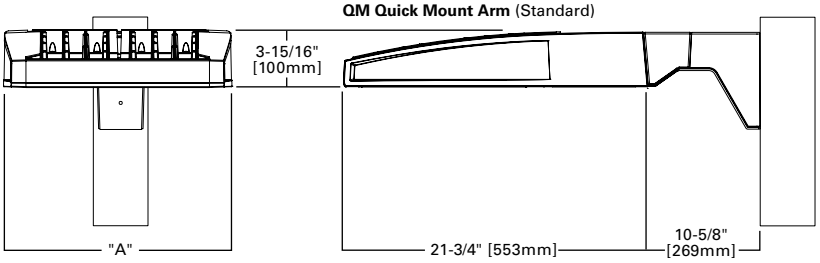
MAST ARM MOUNT



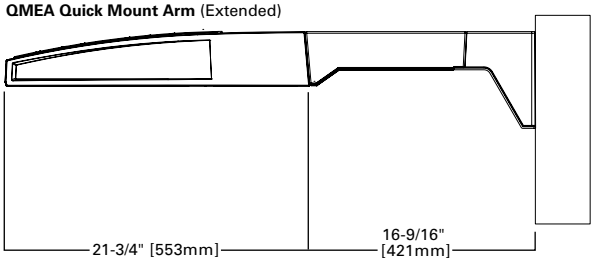
QUICK MOUNT ARM (INCLUDES FIXTURE ADAPTER)



QM Quick Mount Arm (Standard)



QMEA Quick Mount Arm (Extended)

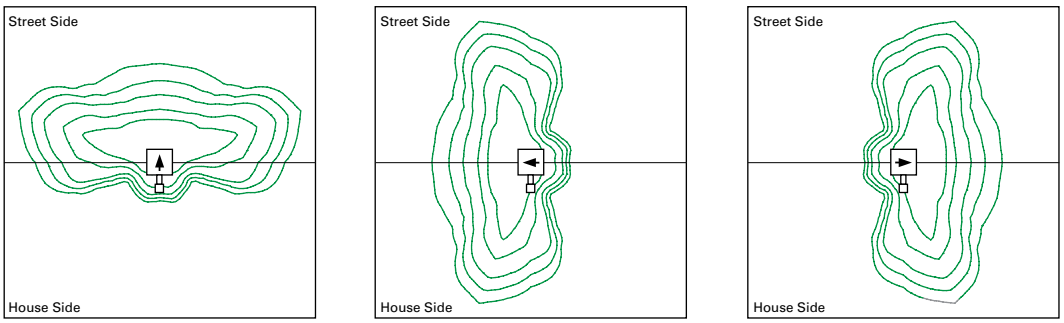


QUICK MOUNT ARM DATA

Number of Light Squares [1, 2]	"A" Width	Weight with QM Arm (lbs.)	Weight with QMEA Arm (lbs.)	EPA (Sq. Ft.)
1-4	15-1/2" (394mm)	35 (15.91 kgs.)	38 (17.27 kgs.)	1.11
5-6 [3]	21-5/8" (549mm)	46 (20.91 kgs.)	49 (22.27 kgs.)	
7-8	27-5/8" (702mm)	56 (25.45 kgs.)	N/A	

NOTES: 1 QM option available with 1-8 light square configurations. **2** QMEA option available with 1-6 light square configurations. **3** QMEA arm to be used when mounting two fixtures at 90° on a single pole.

OPTIC ORIENTATION

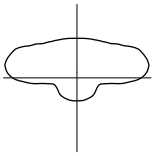


Standard | **Optics Rotated Left @ 90°** [L90] | **Optics Rotated Right @ 90°** [R90]

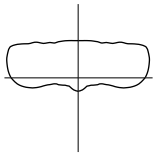
OPTICAL DISTRIBUTIONS

Asymmetric Area Distributions

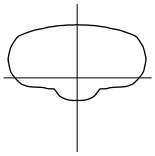
T2 (Type II)



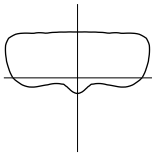
SL2 (Type II with Spill Control)



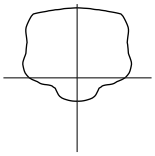
T3 (Type III)



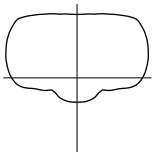
SL3 (Type III with Spill Control)



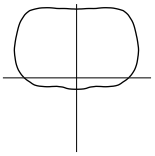
T4FT (Type IV Forward Throw)



T4W (Type IV Wide)

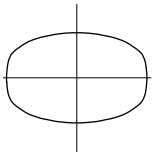


SL4 (Type IV with Spill Control)

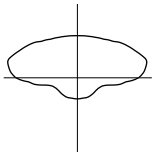


Asymmetric Roadway Distributions

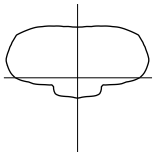
RW (Rectangular Wide Type I)



T2R (Type II Roadway)

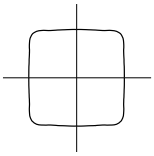


T3R (Type III Roadway)

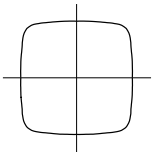


Symmertric Distributions

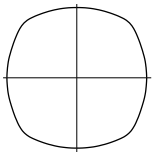
5NQ (Type V Square Narrow)



5MQ (Type V Square Medium)

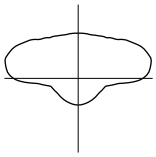


5WQ (Type V Square Wide)

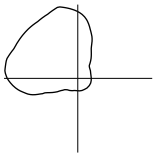


Specialized Distributions

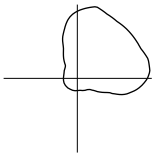
AFL (Automotive Frontline)



SLL (90° Spill Light Eliminator Left)

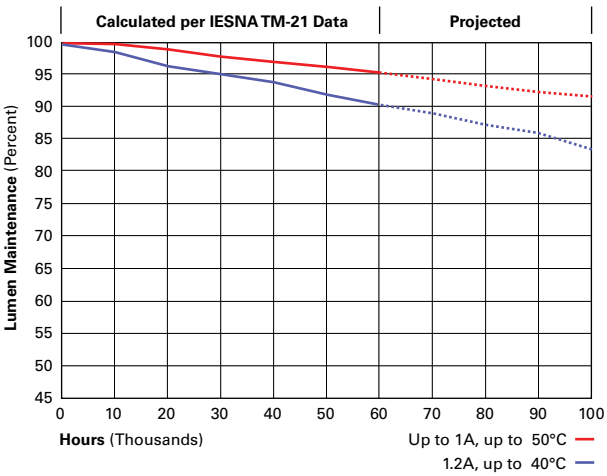


SLR (90° Spill Light Eliminator Right)



LUMEN MAINTENANCE

Drive Current	Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Projected L70 (Hours)
Up to 1A	Up to 50°C	> 95%	416,000
1.2A	Up to 40°C	> 90%	205,000



LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

NOMINAL POWER LUMENS (1.2A)

Number of Light Squares		1	2	3	4	5	6	7	8	9	10
Nominal Power (Watts)		67	129	191	258	320	382	448	511	575	640
Input Current @ 120V (A)		0.58	1.16	1.78	2.31	2.94	3.56	4.09	4.71	5.34	5.87
Input Current @ 208V (A)		0.33	0.63	0.93	1.27	1.57	1.87	2.22	2.52	2.8	3.14
Input Current @ 240V (A)		0.29	0.55	0.80	1.10	1.35	1.61	1.93	2.18	2.41	2.71
Input Current @ 277V (A)		0.25	0.48	0.70	0.96	1.18	1.39	1.69	1.90	2.09	2.36
Input Current @ 347V (A)		0.20	0.39	0.57	0.78	0.96	1.15	1.36	1.54	1.72	1.92
Input Current @ 480V (A)		0.15	0.30	0.43	0.60	0.73	0.85	1.03	1.16	1.28	1.45
Optics											
T2	4000K/5000K Lumens	6,863	13,412	20,011	26,441	32,761	39,205	46,364	52,534	58,601	64,880
	3000K Lumens	6,489	12,681	18,919	25,000	30,974	37,066	43,836	49,668	55,405	61,341
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
T2R	4000K/5000K Lumens	7,285	14,238	21,246	28,072	34,780	41,621	49,221	55,770	62,212	68,878
	3000K Lumens	6,888	13,462	20,087	26,541	32,884	39,351	46,537	52,729	58,819	65,122
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
T3	4000K/5000K Lumens	6,995	13,670	20,397	26,951	33,391	39,959	47,256	53,544	59,728	66,130
	3000K Lumens	6,613	12,924	19,284	25,480	31,570	37,780	44,679	50,624	56,471	62,524
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
T3R	4000K/5000K Lumens	7,150	13,973	20,850	27,549	34,134	40,846	48,307	54,734	61,056	67,598
	3000K Lumens	6,761	13,212	19,713	26,046	32,272	38,619	45,673	51,750	57,726	63,911
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
T4FT	4000K/5000K Lumens	7,036	13,748	20,515	27,107	33,586	40,191	47,530	53,854	60,074	66,512
	3000K Lumens	6,652	12,999	19,397	25,629	31,754	37,999	44,938	50,917	56,797	62,885
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
T4W	4000K/5000K Lumens	6,945	13,571	20,249	26,756	33,152	39,671	46,917	53,160	59,298	65,653
	3000K Lumens	6,566	12,831	19,146	25,297	31,344	37,508	44,358	50,260	56,064	62,072
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
SL2	4000K/5000K Lumens	6,851	13,388	19,977	26,396	32,704	39,137	46,283	52,444	58,498	64,768
	3000K Lumens	6,477	12,658	18,888	24,957	30,920	37,003	43,759	49,584	55,308	61,235
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
SL3	4000K/5000K Lumens	6,994	13,668	20,394	26,947	33,388	39,953	47,249	53,537	59,720	66,119
	3000K Lumens	6,612	12,922	19,281	25,477	31,567	37,774	44,673	50,618	56,463	62,514
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
SL4	4000K/5000K Lumens	6,645	12,986	19,378	25,603	31,723	37,962	44,893	50,868	56,743	62,824
	3000K Lumens	6,282	12,279	18,321	24,207	29,993	35,892	42,445	48,094	53,648	59,398
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
5NQ	4000K/5000K Lumens	7,214	14,097	21,036	27,795	34,437	41,210	48,734	55,220	61,597	68,199
	3000K Lumens	6,820	13,329	19,888	26,279	32,558	38,962	46,077	52,208	58,237	64,479
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
5MQ	4000K/5000K Lumens	7,347	14,356	21,423	28,306	35,071	41,969	49,632	56,237	62,730	69,454
	3000K Lumens	6,947	13,573	20,254	26,762	33,158	39,680	46,925	53,170	59,309	65,667
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
5WQ	4000K/5000K Lumens	7,366	14,396	21,480	28,381	35,164	42,080	49,765	56,386	62,898	69,639
	3000K Lumens	6,964	13,610	20,308	26,833	33,247	39,786	47,050	53,311	59,468	65,842
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
SLL/SLR	4000K/5000K Lumens	6,147	12,010	17,921	23,679	29,339	35,109	41,521	47,046	52,478	58,102
	3000K Lumens	5,811	11,355	16,944	22,388	27,739	33,194	39,256	44,479	49,617	54,933
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
RW	4000K/5000K Lumens	7,149	13,970	20,846	27,543	34,126	40,837	48,295	54,722	61,042	67,582
	3000K Lumens	6,760	13,208	19,709	26,041	32,264	38,610	45,661	51,738	57,713	63,897
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
AFL	4000K/5000K Lumens	7,175	14,021	20,921	27,643	34,249	40,986	48,470	54,920	61,262	67,828
	3000K Lumens	6,784	13,256	19,780	26,136	32,381	38,750	45,827	51,925	57,922	64,129
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4

* Nominal data for 70 CRI.

NOMINAL POWER LUMENS (1A)

Number of Light Squares		1	2	3	4	5	6	7	8	9	10
Nominal Power (Watts)		59	113	166	225	279	333	391	445	501	558
Input Current @ 120V (A)		0.51	1.02	1.53	2.03	2.55	3.06	3.56	4.08	4.60	5.07
Input Current @ 208V (A)		0.29	0.56	0.82	1.11	1.37	1.64	1.93	2.19	2.46	2.75
Input Current @ 240V (A)		0.26	0.48	0.71	0.96	1.19	0.41	1.67	1.89	2.12	2.39
Input Current @ 277V (A)		0.23	0.42	0.61	0.83	1.03	1.23	1.45	1.65	1.84	2.09
Input Current @ 347V (A)		0.17	0.32	0.50	0.64	0.82	1.00	1.14	1.32	1.50	1.68
Input Current @ 480V (A)		0.14	0.24	0.37	0.48	0.61	0.75	0.91	0.99	1.12	1.28
Optics											
T2	4000K/5000K Lumens	6,256	12,225	18,242	24,104	29,865	35,739	42,265	47,888	53,420	59,144
	3000K Lumens	5,915	11,559	17,248	22,789	28,236	33,790	39,960	45,277	50,506	55,919
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
T2R	4000K/5000K Lumens	6,642	12,979	19,366	25,589	31,705	37,941	44,870	50,840	56,711	62,789
	3000K Lumens	6,280	12,271	18,311	24,193	29,976	35,872	42,423	48,068	53,619	59,365
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
T3	4000K/5000K Lumens	6,377	12,461	18,593	24,568	30,439	36,426	43,077	48,810	54,447	60,282
	3000K Lumens	6,029	11,781	17,580	23,229	28,781	34,441	40,731	46,150	51,480	56,997
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
T3R	4000K/5000K Lumens	6,518	12,739	19,006	25,113	31,116	37,235	44,036	49,895	55,658	61,622
	3000K Lumens	6,029	11,781	17,579	23,229	28,779	34,440	40,729	46,148	51,478	56,995
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
T4FT	4000K/5000K Lumens	6,414	12,533	18,702	24,710	30,616	36,637	43,328	49,093	54,763	60,631
	3000K Lumens	6,064	11,849	17,681	23,363	28,946	34,638	40,966	46,417	51,776	57,325
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
T4W	4000K/5000K Lumens	6,331	12,372	18,459	24,391	30,221	36,163	42,769	48,459	54,056	59,849
	3000K Lumens	5,986	11,697	17,452	23,061	28,572	34,192	40,436	45,817	51,108	56,585
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
SL2	4000K/5000K Lumens	6,245	12,205	18,212	24,062	29,813	35,677	42,192	47,807	53,326	59,042
	3000K Lumens	5,904	11,539	17,218	22,750	28,187	33,732	39,891	45,199	50,418	55,822
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
SL3	4000K/5000K Lumens	6,376	12,460	18,591	24,564	30,436	36,421	43,072	48,803	54,439	60,273
	3000K Lumens	6,028	11,780	17,578	23,224	28,776	34,435	40,723	46,141	51,471	56,986
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
SL4	4000K/5000K Lumens	6,058	11,838	17,664	23,340	28,918	34,605	40,924	46,370	51,727	57,269
	3000K Lumens	5,727	11,193	16,701	22,067	27,341	32,718	38,692	43,841	48,906	54,146
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
5NQ	4000K/5000K Lumens	6,577	12,851	19,176	25,336	31,392	37,566	44,426	50,337	56,151	62,170
	3000K Lumens	6,218	12,151	18,131	23,955	29,680	35,517	42,003	47,592	53,089	58,779
	BUG Rating	B2-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
5MQ	4000K/5000K Lumens	6,697	13,088	19,528	25,803	31,970	38,258	45,243	51,264	57,185	63,313
	3000K Lumens	6,332	12,374	18,463	24,395	30,227	36,171	42,776	48,468	54,066	59,861
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
5WQ	4000K/5000K Lumens	6,715	13,122	19,580	25,871	32,055	38,360	45,365	51,401	57,337	63,482
	3000K Lumens	6,348	12,406	18,513	24,461	30,307	36,268	42,891	48,599	54,210	60,021
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
SLL/SLR	4000K/5000K Lumens	5,604	10,949	16,337	21,586	26,745	32,004	37,850	42,886	47,838	52,965
	3000K Lumens	5,298	10,351	15,446	20,409	25,287	30,258	35,786	40,547	45,229	50,077
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
RW	4000K/5000K Lumens	6,517	12,735	19,002	25,107	31,109	37,227	44,025	49,883	55,644	61,607
	3000K Lumens	6,162	12,040	17,965	23,738	29,413	35,197	41,623	47,163	52,609	58,247
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
AFL	4000K/5000K Lumens	6,541	12,781	19,072	25,199	31,221	37,362	44,185	50,065	55,846	61,831
	3000K Lumens	6,184	12,084	18,032	23,825	29,519	35,325	41,775	47,334	52,801	58,459
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4

* Nominal data for 70 CRI.

NOMINAL POWER LUMENS (800MA)

Number of Light Squares		1	2	3	4	5	6	7	8	9	10
Nominal Power (Watts)		44	85	124	171	210	249	295	334	374	419
Input Current @ 120V (A)		0.39	0.77	1.13	1.54	1.90	2.26	2.67	3.03	3.39	3.80
Input Current @ 208V (A)		0.22	0.44	0.62	0.88	1.06	1.24	1.50	1.68	1.87	2.12
Input Current @ 240V (A)		0.19	0.38	0.54	0.76	0.92	1.08	1.30	1.46	1.62	1.84
Input Current @ 277V (A)		0.17	0.36	0.47	0.72	0.83	0.95	1.19	1.31	1.42	1.67
Input Current @ 347V (A)		0.15	0.24	0.38	0.49	0.63	0.77	0.87	1.01	1.15	1.52
Input Current @ 480V (A)		0.11	0.18	0.29	0.37	0.48	0.59	0.66	0.77	0.88	0.96
Optics											
T2	4000K/5000K Lumens	5,054	9,878	14,739	19,475	24,129	28,875	34,148	38,691	43,159	47,785
	3000K Lumens	4,779	9,338	13,935	18,412	22,813	27,301	32,286	36,581	40,805	45,179
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5
T2R	4000K/5000K Lumens	5,366	10,486	15,647	20,675	25,616	30,654	36,252	41,076	45,819	50,730
	3000K Lumens	5,074	9,914	14,794	19,548	24,218	28,982	34,276	38,835	43,320	47,964
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
T3	4000K/5000K Lumens	5,153	10,068	15,022	19,849	24,593	29,430	34,805	39,436	43,990	48,705
	3000K Lumens	4,872	9,519	14,203	18,766	23,251	27,825	32,907	37,285	41,591	46,048
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
T3R	4000K/5000K Lumens	5,266	10,292	15,356	20,290	25,140	30,084	35,578	40,312	44,968	49,786
	3000K Lumens	4,979	9,731	14,518	19,184	23,769	28,443	33,638	38,114	42,516	47,071
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
T4FT	4000K/5000K Lumens	5,182	10,126	15,109	19,964	24,736	29,600	35,006	39,664	44,245	48,987
	3000K Lumens	4,899	9,574	14,285	18,876	23,387	27,986	33,097	37,501	41,832	46,315
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
T4W	4000K/5000K Lumens	5,115	9,995	14,914	19,706	24,417	29,218	34,554	39,152	43,674	48,354
	3000K Lumens	4,836	9,450	14,100	18,631	23,085	27,624	32,670	37,017	41,292	45,717
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
SL2	4000K/5000K Lumens	5,046	9,860	14,713	19,441	24,087	28,825	34,089	38,625	43,085	47,702
	3000K Lumens	4,771	9,322	13,911	18,381	22,774	27,253	32,229	36,518	40,735	45,101
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5
SL3	4000K/5000K Lumens	5,152	10,067	15,020	19,846	24,591	29,426	34,800	39,431	43,984	48,698
	3000K Lumens	4,871	9,518	14,200	18,764	23,249	27,822	32,902	37,280	41,585	46,042
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
SL4	4000K/5000K Lumens	4,894	9,565	14,271	18,857	23,364	27,959	33,065	37,465	41,792	46,270
	3000K Lumens	4,627	9,043	13,492	17,829	22,090	26,434	31,261	35,422	39,513	43,746
	BUG Rating	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
5NQ	4000K/5000K Lumens	5,313	10,383	15,493	20,470	25,363	30,351	35,893	40,669	45,367	50,229
	3000K Lumens	5,024	9,817	14,647	19,354	23,980	28,696	33,936	38,452	42,893	47,490
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G3
5MQ	4000K/5000K Lumens	5,411	10,574	15,778	20,848	25,830	30,911	36,554	41,418	46,202	51,154
	3000K Lumens	5,117	9,997	14,917	19,710	24,421	29,225	34,561	39,160	43,682	48,364
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
5WQ	4000K/5000K Lumens	5,426	10,603	15,820	20,903	25,899	30,992	36,652	41,529	46,325	51,290
	3000K Lumens	5,130	10,025	14,958	19,763	24,486	29,302	34,654	39,263	43,799	48,493
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
SLL/SLR	4000K/5000K Lumens	4,528	8,846	13,199	17,440	21,609	25,858	30,580	34,649	38,651	42,792
	3000K Lumens	4,281	8,364	12,480	16,489	20,430	24,448	28,912	32,759	36,543	40,459
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
RW	4000K/5000K Lumens	5,265	10,289	15,353	20,285	25,134	30,077	35,569	40,303	44,958	49,775
	3000K Lumens	4,978	9,727	14,516	19,179	23,763	28,437	33,629	38,105	42,506	47,060
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4
AFL	4000K/5000K Lumens	5,285	10,327	15,409	20,360	25,225	30,186	35,699	40,450	45,120	49,956
	3000K Lumens	4,996	9,763	14,569	19,249	23,849	28,540	33,752	38,244	42,659	47,232
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3

* Nominal data for 70 CRI.

NOMINAL POWER LUMENS (600MA)

Number of Light Squares		1	2	3	4	5	6	7	8	9	10
Nominal Power (Watts)		34	66	96	129	162	193	226	257	290	323
Input Current @ 120V (A)		0.30	0.58	0.86	1.16	1.44	1.73	2.03	2.33	2.59	2.89
Input Current @ 208V (A)		0.17	0.34	0.49	0.65	0.84	0.99	1.14	1.30	1.48	1.63
Input Current @ 240V (A)		0.15	0.30	0.43	0.56	0.74	0.87	1.00	1.13	1.30	1.43
Input Current @ 277V (A)		0.14	0.28	0.41	0.52	0.69	0.81	0.93	1.04	1.22	1.33
Input Current @ 347V (A)		0.11	0.19	0.30	0.39	0.49	0.60	0.69	0.77	0.90	0.99
Input Current @ 480V (A)		0.08	0.15	0.24	0.30	0.38	0.48	0.53	0.59	0.71	0.77
Optics											
T2	4000K/5000K Lumens	4,121	8,055	12,019	15,881	19,676	23,547	27,847	31,552	35,196	38,967
	3000K Lumens	3,896	7,615	11,363	15,015	18,604	22,263	26,328	29,831	33,276	36,842
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4
T2R	4000K/5000K Lumens	4,376	8,552	12,760	16,860	20,890	24,998	29,563	33,497	37,365	41,369
	3000K Lumens	4,138	8,085	12,064	15,941	19,751	23,635	27,951	31,670	35,328	39,113
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4
T3	4000K/5000K Lumens	4,201	8,210	12,251	16,187	20,055	23,999	28,383	32,159	35,873	39,718
	3000K Lumens	3,973	7,763	11,583	15,304	18,961	22,691	26,835	30,406	33,916	37,552
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
T3R	4000K/5000K Lumens	4,294	8,393	12,523	16,546	20,501	24,532	29,014	32,875	36,671	40,600
	3000K Lumens	4,060	7,936	11,840	15,644	19,383	23,195	27,432	31,082	34,671	38,386
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
T4FT	4000K/5000K Lumens	4,226	8,257	12,321	16,280	20,172	24,139	28,547	32,346	36,082	39,948
	3000K Lumens	3,996	7,807	11,649	15,392	19,071	22,822	26,990	30,582	34,114	37,770
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
T4W	4000K/5000K Lumens	4,171	8,151	12,162	16,071	19,912	23,827	28,178	31,928	35,615	39,432
	3000K Lumens	3,943	7,706	11,498	15,194	18,825	22,527	26,642	30,187	33,673	37,281
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
SL2	4000K/5000K Lumens	4,114	8,041	11,998	15,854	19,643	23,506	27,799	31,498	35,135	38,901
	3000K Lumens	3,890	7,603	11,344	14,989	18,572	22,224	26,282	29,780	33,219	36,779
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
SL3	4000K/5000K Lumens	4,200	8,209	12,249	16,184	20,053	23,996	28,379	32,154	35,869	39,712
	3000K Lumens	3,972	7,762	11,580	15,302	18,960	22,688	26,831	30,400	33,913	37,546
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
SL4	4000K/5000K Lumens	3,992	7,799	11,638	15,378	19,053	22,801	26,964	30,552	34,081	37,733
	3000K Lumens	3,774	7,374	11,003	14,539	18,015	21,557	25,493	28,886	32,222	35,674
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5	B3-U0-G5
5NQ	4000K/5000K Lumens	4,333	8,467	12,634	16,694	20,683	24,751	29,271	33,166	36,996	40,961
	3000K Lumens	4,097	8,005	11,945	15,784	19,555	23,401	27,674	31,357	34,978	38,727
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3
5MQ	4000K/5000K Lumens	4,413	8,622	12,867	17,000	21,064	25,207	29,810	33,777	37,677	41,715
	3000K Lumens	4,173	8,152	12,165	16,073	19,915	23,832	28,185	31,934	35,623	39,440
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
5WQ	4000K/5000K Lumens	4,424	8,646	12,900	17,046	21,120	25,274	29,890	33,866	37,778	41,826
	3000K Lumens	4,182	8,175	12,197	16,117	19,968	23,896	28,260	32,018	35,717	39,545
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
SLL/SLR	4000K/5000K Lumens	3,692	7,214	10,763	14,222	17,621	21,086	24,937	28,256	31,519	34,897
	3000K Lumens	3,491	6,820	10,176	13,447	16,660	19,937	23,577	26,715	29,800	32,994
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
RW	4000K/5000K Lumens	4,293	8,390	12,520	16,542	20,496	24,527	29,007	32,866	36,662	40,591
	3000K Lumens	4,059	7,932	11,837	15,640	19,378	23,189	27,425	31,074	34,662	38,377
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
AFL	4000K/5000K Lumens	4,310	8,421	12,566	16,602	20,571	24,616	29,112	32,986	36,795	40,738
	3000K Lumens	4,074	7,962	11,881	15,697	19,448	23,273	27,525	31,187	34,788	38,516
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3

* Nominal data for 70 CRI.

CONTROL OPTIONS

0-10V (DIM)
This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

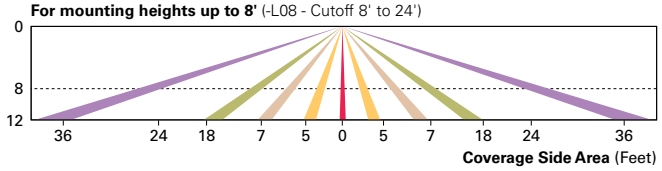
Photocontrol (P, R and PER7)
Optional button-type photocontrol (P) and photocontrol receptacles (R and PER7) provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PER7 receptacle.

After Hours Dim (AHD)
This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a "dusk-to-dawn" period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

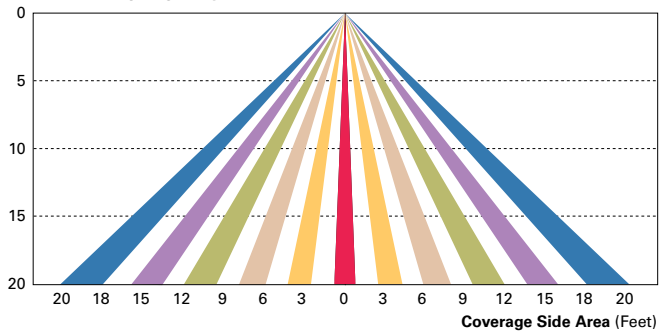
Dimming Occupancy Sensor (MS/DIM-LXX, MS/X-LXX and MS-LXX)
These sensors are factory installed in the luminaire housing. When the MS/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. The MS-LXX sensor is factory preset to turn the luminaire off after five minutes of no activity. The MS/X-LXX is also preset for five minutes and only controls the specified number of light engines to maintain steady output from the remaining light engines.

These occupancy sensors includes an integral photocell that can be activated with the FSIR-100 accessory for "dusk-to-dawn" control or daylight harvesting - the factory preset is OFF. The FSIR-100 is a wireless tool utilized for changing the dimming level, time delay, sensitivity and other parameters. A variety of sensor lens are available to optimize the coverage. pattern for mounting heights from 8'-40'.

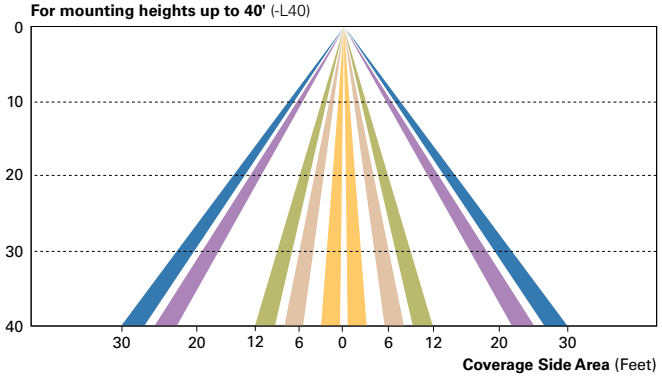
For mounting heights up to 8' (-L08 - Cutoff 8' to 24')



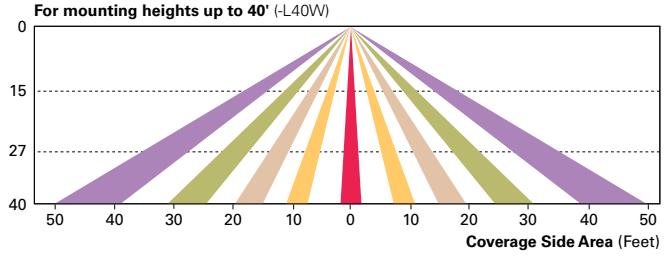
For mounting heights up to 20' (-L20)



For mounting heights up to 40' (-L40)

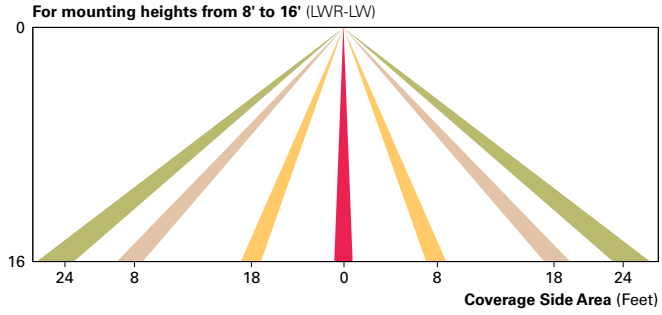


For mounting heights up to 40' (-L40W)

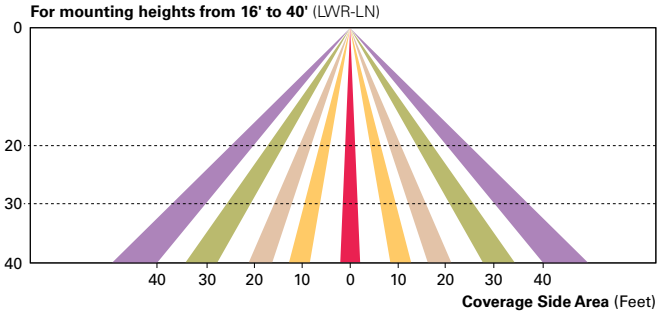


LumaWatt Pro Wireless Control and Monitoring System (LWR-LW and LWR-LN)
The Eaton's LumaWatt Pro powered by Enlighted is a connected lighting solution that combines a broad selection of energy-efficient LED luminaires with a powerful integrated wireless sensor system. The sensor controls the lighting system in compliance with the latest energy codes and collects valuable data about building performance and use. Software applications turn the granular data into information through energy dashboards and specialized apps that make it simple and help optimize the use of building resources, beyond lighting.

For mounting heights from 8' to 16' (LWR-LW)



For mounting heights from 16' to 40' (LWR-LN)



WaveLinx Wireless Outdoor Lighting Control Module (WOLC-7P-10A)
The 7-pin wireless outdoor lighting control module enables WaveLinx to control outdoor area, site and flood lighting. WaveLinx controls outdoor lighting using schedules to provide ON, OFF and dimming controls based on astronomic or time schedules based on a 7 day week.

LumenSafe Integrated Network Security Camera (LD)
Eaton brings ease of camera deployment to a whole new level. No additional wiring is needed beyond providing line power to the luminaire. A variety of networking options allows security integrators to design the optimal solution for active surveillance. As the ideal solution to meet the needs for active surveillance, the LumenSafe integrated network camera is a streamlined, outdoor-ready fixed dome that provides HDTV 1080p video. This IP camera is optimally designed for deployment in the video management system or security software platform of choice.

ORDERING INFORMATION

Sample Number: GLEON-AF-04-LED-E1-T3-GM-QM

Product Family [1, 2]	Light Engine	Number of Light Squares [3]	Lamp Type	Voltage	Distribution	Color	Mounting
GLEON=Galleon	**AF**=1A Drive Current	**01**=1 **02**=2 **03**=3 **04**=4 **05**=5 [4] **06**=6 **07**=7 [5] **08**=8 [5] **09**=9 [6] **10**=10 [6]	**LED**=Solid State Light Emitting Diodes	**E1**=120-277V **347**=347V [7] **480**=480V [7,8]	**T2**=Type II **T2R**=Type II Roadway **T3**=Type III **T3R**=Type III Roadway **T4FT**=Type IV ForwardThrow **T4W**=Type IV Wide **5NQ**=Type V Narrow **5MQ**=Type V Square Medium **5WQ**=Type V Square Wide **SL2**=Type II w/Spill Control **SL3**=Type III w/Spill Control **SL4**=Type IV w/Spill Control **SLL**=90° Spill Light Eliminator Left **SLR**=90° Spill Light Eliminator Right **RW**=Rectangular Wide Type I **AFL**=Automotive Frontline	**AP**=Grey **BZ**=Bronze **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White	**[Blank]**=Arm for Round or Square Pole **EA**=Extended Arm [9] **MA**=Mast Arm Adapter [10] **WM**=Wall Mount **QM**=Quick Mount Arm (Standard Length) [11] **QMEA**=Quick Mount Arm (Extended Length) [12]

Options (Add as Suffix)

7027=70 CRI 2700K [13]
7030=70 CRI 3000K [13]
8030=80 CRI 3000K [13]
7050=70 CRI 5000K [13]
7060=70 CRI 6000K [13]
600=Drive Current Set to Nominal 600mA [15]
800=Drive Current Set to Nominal 800mA [15]
1200=Drive Current Set to Nominal 1200mA [15, 16]
F=Single Fuse (120, 277 or 347V. Specify Voltage)
FF=Double Fuse (208, 240 or 480V. Specify Voltage)
2L=Two Circuits [17, 18]
DIM=External 0-10V Dimming Leads [19, 20]
AHD145=After Hours Dim, 5 Hours [22]
AHD245=After Hours Dim, 6 Hours [22]
AHD255=After Hours Dim, 7 Hours [22]
AHD355=After Hours Dim, 8 Hours [22]
HA=50°C High Ambient [23]
L90=Optics Rotated 90° Left
R90=Optics Rotated 90° Right
MT=Installed Mesh Top
TH=Tool-less Door Hardware
HSS=Installed House Side Shield [28]
CE=CE Marking [29]
LCF=Light Square Trim Painted to Match Housing [27]
P=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Voltage) [21]
PER7=NEMA 7-PIN Photocontrol Receptacle [21]
R=NEMA Photocontrol Receptacle [21]
MS-L20=Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height [24]
MS-L40W=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height [24]
MS/DIM-L08= Motion Sensor for Dimming Operation, Maximum 8' Mounting Height [24]
MS/DIM-L20= Motion Sensor for Dimming Operation, 9' - 20' Mounting Height [24]
MS/DIM-L40W=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height [24]
MS/X-L08=Bi-Level Motion Sensor, Maximum 8' Mounting Height [24, 25]
MS/X-L20=Bi-Level Motion Sensor, 9' - 20' Mounting Height [24, 25]
MS/X-L40W=Bi-Level Motion Sensor, 21' - 40' Mounting Height [24, 25]
MS-L08=Motion Sensor for ON/OFF Operation, Maximum 8' Mounting Height [24]
LWR-LW=LumaWatt Pro Wireless Sensor, Wide Lens for 8' - 16' Mounting Height [26]
LWR-LN=LumaWatt Pro Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height [26]
ZW =WaveLinx-enabled 4-PIN Twistlock Receptacle [19, 33]
ZW-SWPD4WH=Wavelinx Wireless Sensor, 7' – 15' Mounting Height, White [19, 33]
ZW-SWPD4BZ=Wavelinx Wireless Sensor, 7' – 15' Mounting Height, Bronze [19, 33]
ZW-SWPD5WH=Wavelinx Wireless Sensor, 15' – 40' Mounting Height, White [19, 33]
ZW-SWPD5BZ=Wavelinx Wireless Sensor, 15' – 40' Mounting Height, Bronze [19, 33]

Accessories (Order Separately)

OA/RA1016=NEMA Photocontrol Multi-Tap - 105-285V
OA/RA1027=NEMA Photocontrol - 480V
OA/RA1201=NEMA Photocontrol - 347V
OA/RA1013=Photocontrol Shorting Cap
OA/RA1014=120V Photocontrol
MA1252=10kV Surge Module Replacement
MA1036-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon
MA1037-XX=2@180° Tenon Adapter for 2-3/8" O.D. Tenon
MA1197-XX=3@120° Tenon Adapter for 2-3/8" O.D. Tenon
MA1188-XX=4@90° Tenon Adapter for 2-3/8" O.D. Tenon
MA1189-XX=2@90° Tenon Adapter for 2-3/8" O.D. Tenon
MA1190-XX=3@90° Tenon Adapter for 2-3/8" O.D. Tenon
MA1191-XX=2@120° Tenon Adapter for 2-3/8" O.D. Tenon
MA1038-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon
MA1039-XX=2@180° Tenon Adapter for 3-1/2" O.D. Tenon
MA1192-XX=3@120° Tenon Adapter for 3-1/2" O.D. Tenon
MA1193-XX=4@90° Tenon Adapter for 3-1/2" O.D. Tenon
MA1194-XX=2@90° Tenon Adapter for 3-1/2" O.D. Tenon
MA1195-XX=3@90° Tenon Adapter for 3-1/2" O.D. Tenon
FSIR-100=Wireless Configuration Tool for Occupancy Sensor [24]
GLEON-MT1=Field Installed Mesh Top for 1-4 Light Squares
GLEON-MT2=Field Installed Mesh Top for 5-6 Light Squares
GLEON-MT3=Field Installed Mesh Top for 7-8 Light Squares
GLEON-MT4=Field Installed Mesh Top for 9-10 Light Squares
GLEON-QM=Quick Mount Arm Kit [11]
GLEON-QMEA=Quick Mount Extended Arm Kit [12]
LS/HSS=Field Installed House Side Shield [28, 30]
WOLC-7P-10A=WaveLinx Outdoor Control Module [19, 31]
SWPD4-WH=Wavelinx Wireless Sensor, 7' – 15' Mounting Height, White [19, 33, 34]
SWPD4-BZ=Wavelinx Wireless Sensor, 7' – 15' Mounting Height, Bronze [19, 33, 34]
SWPD5-WH=Wavelinx Wireless Sensor, 15' – 40' Mounting Height, White [19, 33, 34]
SWPD5-BZ=Wavelinx Wireless Sensor, 15' – 40' Mounting Height, Bronze [19, 33, 34]

NOTES:
1 Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information. **2** DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details. **3** Standard 4000K CCT and minimum 70 CRI. **4** Not compatible with MS/4-LXX or MS/1-LXX sensors. **5** Not compatible with extended quick mount arm (QMEA). **6** Not compatible with standard quick mount arm (QM) or extended quick mount arm (QMEA). **7** Requires the use of an internal step down transformer when combined with sensor options. Not available with sensor at 1200mA. Not available in combination with the HA high ambient and sensor options at 1A. **8** Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems). **9** May be required when two or more luminaires are oriented on a 90° or 120° drilling pattern. Refer to arm mounting requirement table. **10** Factory installed. **11** Maximum 8 light squares. **12** Maximum 6 light squares. **13** Extended lead times apply. Use dedicated IES files for 2700K, 3000K, 5000K and 6000K when performing layouts. **14** Reserved **15** 1 Amp standard. Use dedicated IES files for 600mA, 800mA and 1200mA when performing layouts. **16** Not available with HA option. **17** 2L is not available with MS, MS/X or MS/DIM at 347V or 480V. 2L in AF-02 through AF-04 requires a larger housing, normally used for AF-05 or AF-06. Extended arm option may be required when mounting two or more fixtures per pole at 90° or 120°. Refer to arm mounting requirement table. **18** Not available with LumaWatt Pro wireless sensors. **19** Cannot be used with other control options. **20** Low voltage control lead brought out 18" outside fixture. **21** Not available if any "MS" sensor is selected. Motion sensor has an integral photocell. **22** Requires the use of P photocontrol or the PER7 or R photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information. **23** 50°C lumen maintenance data applies to 600mA, 800mA and 1A drive currents. **24** The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Eaton for more information. **25** Replace X with number of Light Squares operating in low output mode. **26** LumaWatt Pro wireless sensors are factory installed only requiring network components LWP-EM-1, LWP-GW-1 and LWP-PoE8 in appropriate quantities. See www.eaton.com/lighting for LumaWatt Pro application information. **27** Not available with house side shield (HSS). **28** Only for use with SL2, SL3, SL4 and AFL distributions. The Light Square trim plate is painted black when the HSS option is selected. **29** CE is not available with the LWR, MS, MS/X, MS/DIM, P, R or PER7 options. Available in 120-277V only. **30** One required for each Light Square. **31** Requires PER7. **32** Reserved. **33** WAC Gateway required to enable field-configurability: Order WAC-PoE and WPOE-120 (10V to PoE injector) power supply if needed. **34** Requires ZW. **35** Reserved.

LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

Product Family	Camera Type	Data Backhaul	
L=LumenSafe Technology* LumenSafe Technology CLICK HERE	**D**=Dome Camera, Standard **H**=Dome Camera, Hi-Res **Z**=Dome Camera, Remote PTZ	**C**=Cellular, Customer Installed SIM Card **A**=Cellular, Factory Installed AT&T SIM Card **V**=Cellular, Factory Installed Verizon SIM Card **S**=Cellular, Factory Installed Sprint SIM Card	**W**=Wi-Fi Networking w/ Omni-Directional Antenna **E**=Ethernet Networking

*Consult LumenSafe system pages for additional details and compatibility.

McGraw-Edison

DESCRIPTION

The Galleon™ LED luminaire delivers exceptional performance in a highly scalable, low-profile design. Patented, high-efficiency AccuLED Optics™ system provides uniform and energy conscious illumination to walkways, parking lots, roadways, building areas and security lighting applications. IP66 rated and UL/cUL Listed for wet locations.

Catalog #		**Type**
Project		Z02
Comments		**Date**
Prepared by		

SPECIFICATION FEATURES

Construction
Extruded aluminum driver enclosure thermally isolated from Light Squares for optimal thermal performance. Heavy-wall, die-cast aluminum end caps enclose housing and die-cast aluminum heat sinks. A unique, patent pending interlocking housing and heat sink provides scalability with superior structural rigidity. 3G vibration tested and rated. Optional tool-less hardware available for ease of entry into electrical chamber. Housing is IP66 rated.

Optics
Patented, high-efficiency injection-molded AccuLED Optics technology. Optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 4000K (+/- 275K) CCT 70 CRI. Optional 3000K, 5000K and 6000K CCT.

Electrical
LED drivers are mounted to removable tray assembly for ease of maintenance. 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Standard with 0-10V dimming. Shipped standard with Eaton proprietary circuit module designed to withstand 10kV of transient line surge. The Galleon LED luminaire is suitable for operation in -40°C to 40°C ambient environments. For applications with ambient temperatures exceeding 40°C, specify the HA (High Ambient) option. Light Squares are IP66 rated. Greater than 90% lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 600mA, 800mA and 1200mA drive currents (nominal).

Mounting
STANDARD ARM MOUNT: Extruded aluminum arm includes internal bolt guides allowing for easy positioning of fixture during mounting. When mounting two or more luminaires at 90° and 120° apart, the EA extended arm may be required. Refer to the arm mounting requirement table. Round pole adapter included. For wall mounting, specify wall mount bracket option. QUICK MOUNT ARM: Adapter is bolted directly to the pole. Quick mount arm slide into place on the adapter and is secured via two screws, facilitating quick and easy installation. The versatile, patent pending, quick mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8". Removal of the door on the quick mount arm enables wiring of the fixture without having to access the driver compartment. A knock-out enables round pole mounting.

Finish
Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Heat sink is powder coated black. Standard housing colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available.

Warranty
Five-year warranty.

GLEON
GALLEON LED

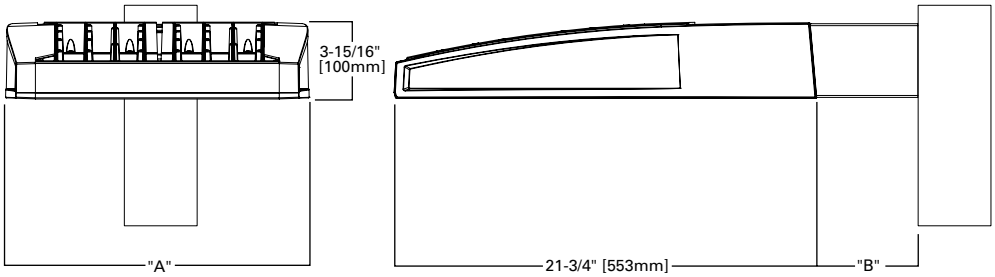
1-10 Light Squares
Solid State LED

AREA/SITE LUMINAIRE

LumenSafe Technology
CLICK HERE

WaveLinx

DIMENSIONS



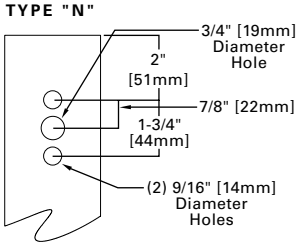
DIMENSION DATA

Number of Light Squares	"A" Width	"B" Standard Arm Length	"B" Optional Arm Length [1]	Weight with Arm (lbs.)	EPA with Arm [2] (Sq. Ft.)
1-4	15-1/2" (394mm)	7" (178mm)	10" (254mm)	33 (15.0 kgs.)	0.96
5-6	21-5/8" (549mm)	7" (178mm)	10" (254mm)	44 (20.0 kgs.)	1.00
7-8	27-5/8" (702mm)	7" (178mm)	13" (330mm)	54 (24.5 kgs.)	1.07
9-10	33-3/4" (857mm)	7" (178mm)	16" (406mm)	63 (28.6 kgs.)	1.12

NOTES: 1. Optional arm length to be used when mounting two fixtures at 90° on a single pole. **2.** EPA calculated with optional arm length.

DRILLING PATTERN

TYPE "N"



CERTIFICATION DATA

3G Vibration Rated
DesignLights Consortium® Qualified*
IP66 Rated
ISO 9001
LM79 / LM80 Compliant
UL/cUL Wet Location Listed

ENERGY DATA

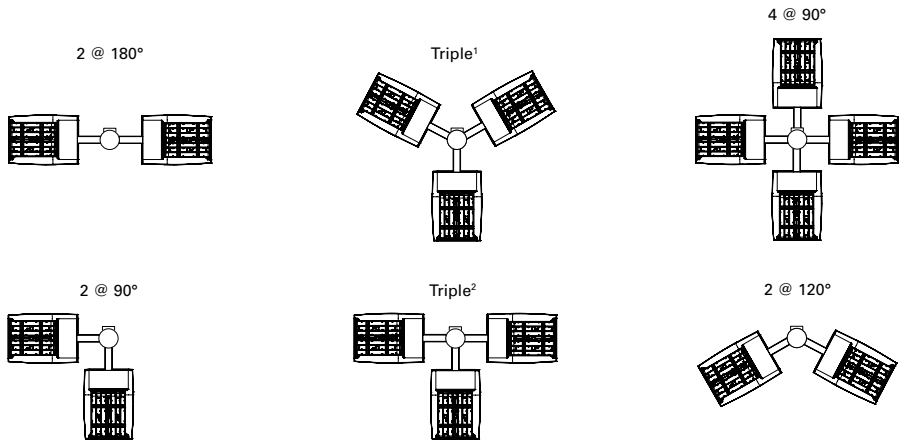
Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120V-277V 50/60Hz
347V, 480V 60Hz
-40°C Min. Temperature
40°C Max. Temperature
50°C Max. Temperature (HA Option)

*www.designlights.org

Powering Business Worldwide

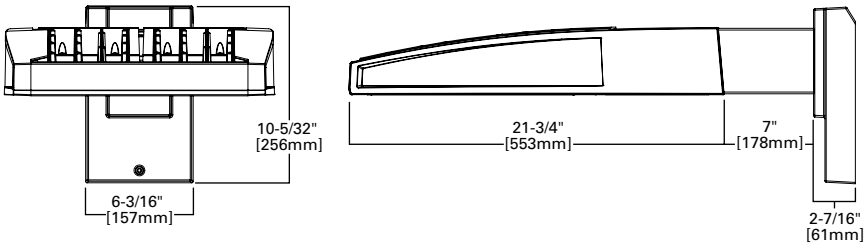
ARM MOUNTING REQUIREMENTS

Configuration	90° Apart	120° Apart
GLEON-AF-01	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-02	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-03	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-04	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-05	10" Extended Arm (Required)	7" Arm (Standard)
GLEON-AF-06	10" Extended Arm (Required)	7" Arm (Standard)
GLEON-AF-07	13" Extended Arm (Required)	13" Extended Arm (Required)
GLEON-AF-08	13" Extended Arm (Required)	13" Extended Arm (Required)
GLEON-AF-09	16" Extended Arm (Required)	16" Extended Arm (Required)
GLEON-AF-10	16" Extended Arm (Required)	16" Extended Arm (Required)

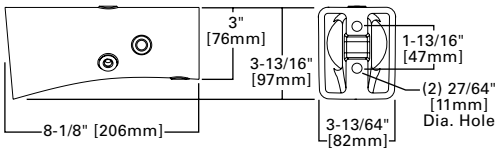


NOTES: 1 Round poles are 3 @ 120°. Square poles are 3 @ 90°. **2** Round poles are 3 @ 90°.

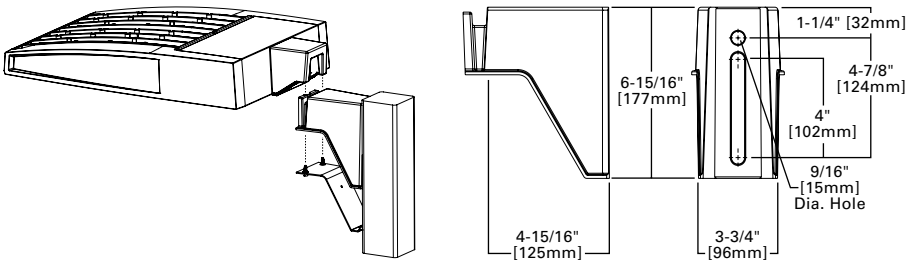
STANDARD WALL MOUNT



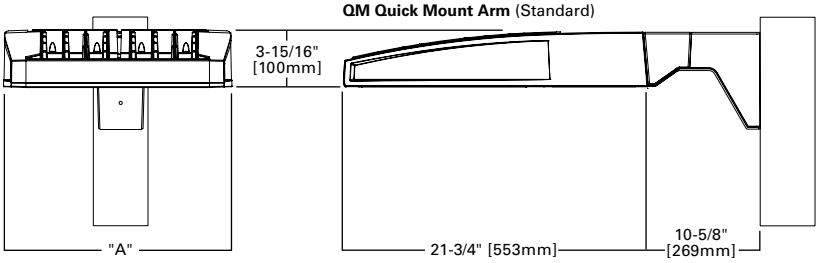
MAST ARM MOUNT



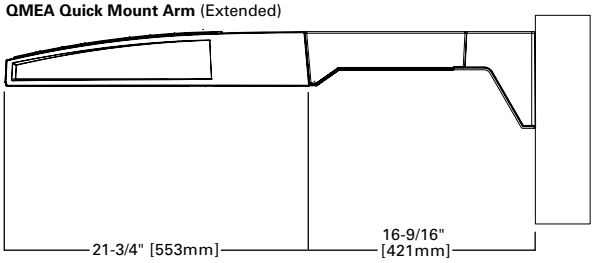
QUICK MOUNT ARM (INCLUDES FIXTURE ADAPTER)



QM Quick Mount Arm (Standard)



QMEA Quick Mount Arm (Extended)

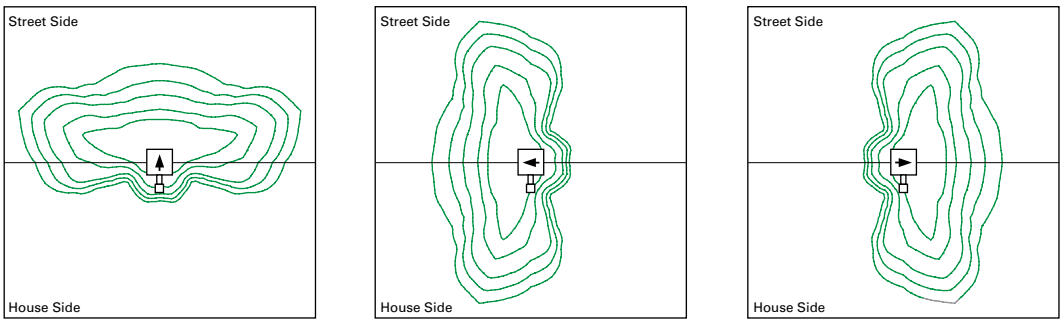


QUICK MOUNT ARM DATA

Number of Light Squares [1, 2]	"A" Width	Weight with QM Arm (lbs.)	Weight with QMEA Arm (lbs.)	EPA (Sq. Ft.)
1-4	15-1/2" (394mm)	35 (15.91 kgs.)	38 (17.27 kgs.)	1.11
5-6 [3]	21-5/8" (549mm)	46 (20.91 kgs.)	49 (22.27 kgs.)	
7-8	27-5/8" (702mm)	56 (25.45 kgs.)	N/A	

NOTES: 1 QM option available with 1-8 light square configurations. **2** QMEA option available with 1-6 light square configurations. **3** QMEA arm to be used when mounting two fixtures at 90° on a single pole.

OPTIC ORIENTATION

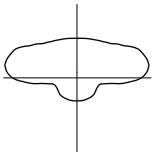


Standard | **Optics Rotated Left @ 90°** [L90] | **Optics Rotated Right @ 90°** [R90]

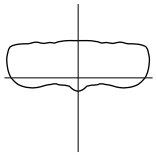
OPTICAL DISTRIBUTIONS

Asymmetric Area Distributions

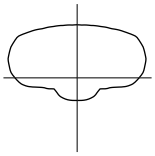
T2 (Type II)



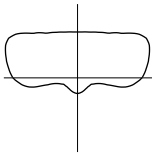
SL2 (Type II with Spill Control)



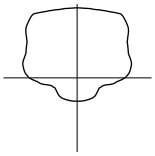
T3 (Type III)



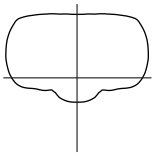
SL3 (Type III with Spill Control)



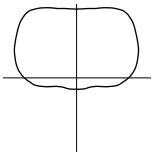
T4FT (Type IV Forward Throw)



T4W (Type IV Wide)

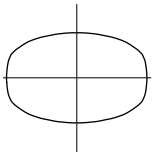


SL4 (Type IV with Spill Control)

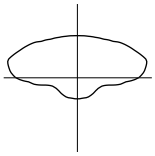


Asymmetric Roadway Distributions

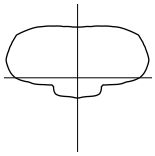
RW (Rectangular Wide Type I)



T2R (Type II Roadway)

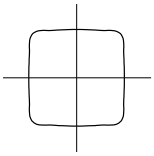


T3R (Type III Roadway)

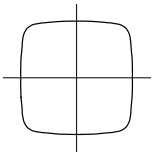


Symmertric Distributions

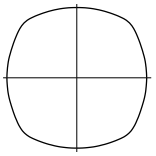
5NQ (Type V Square Narrow)



5MQ (Type V Square Medium)

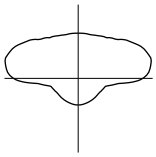


5WQ (Type V Square Wide)

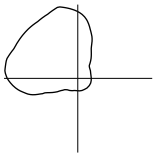


Specialized Distributions

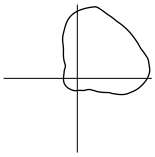
AFL (Automotive Frontline)



SLL (90° Spill Light Eliminator Left)

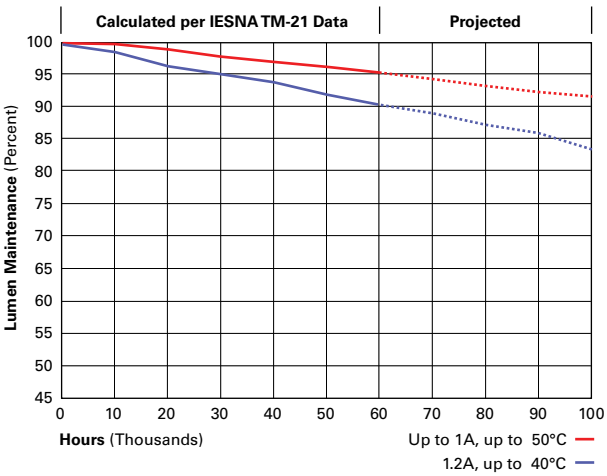


SLR (90° Spill Light Eliminator Right)



LUMEN MAINTENANCE

Drive Current	Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Projected L70 (Hours)
Up to 1A	Up to 50°C	> 95%	416,000
1.2A	Up to 40°C	> 90%	205,000



LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

NOMINAL POWER LUMENS (1.2A)

Number of Light Squares		1	2	3	4	5	6	7	8	9	10
Nominal Power (Watts)		67	129	191	258	320	382	448	511	575	640
Input Current @ 120V (A)		0.58	1.16	1.78	2.31	2.94	3.56	4.09	4.71	5.34	5.87
Input Current @ 208V (A)		0.33	0.63	0.93	1.27	1.57	1.87	2.22	2.52	2.8	3.14
Input Current @ 240V (A)		0.29	0.55	0.80	1.10	1.35	1.61	1.93	2.18	2.41	2.71
Input Current @ 277V (A)		0.25	0.48	0.70	0.96	1.18	1.39	1.69	1.90	2.09	2.36
Input Current @ 347V (A)		0.20	0.39	0.57	0.78	0.96	1.15	1.36	1.54	1.72	1.92
Input Current @ 480V (A)		0.15	0.30	0.43	0.60	0.73	0.85	1.03	1.16	1.28	1.45
Optics											
T2	4000K/5000K Lumens	6,863	13,412	20,011	26,441	32,761	39,205	46,364	52,534	58,601	64,880
	3000K Lumens	6,489	12,681	18,919	25,000	30,974	37,066	43,836	49,668	55,405	61,341
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
T2R	4000K/5000K Lumens	7,285	14,238	21,246	28,072	34,780	41,621	49,221	55,770	62,212	68,878
	3000K Lumens	6,888	13,462	20,087	26,541	32,884	39,351	46,537	52,729	58,819	65,122
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
T3	4000K/5000K Lumens	6,995	13,670	20,397	26,951	33,391	39,959	47,256	53,544	59,728	66,130
	3000K Lumens	6,613	12,924	19,284	25,480	31,570	37,780	44,679	50,624	56,471	62,524
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
T3R	4000K/5000K Lumens	7,150	13,973	20,850	27,549	34,134	40,846	48,307	54,734	61,056	67,598
	3000K Lumens	6,761	13,212	19,713	26,046	32,272	38,619	45,673	51,750	57,726	63,911
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
T4FT	4000K/5000K Lumens	7,036	13,748	20,515	27,107	33,586	40,191	47,530	53,854	60,074	66,512
	3000K Lumens	6,652	12,999	19,397	25,629	31,754	37,999	44,938	50,917	56,797	62,885
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
T4W	4000K/5000K Lumens	6,945	13,571	20,249	26,756	33,152	39,671	46,917	53,160	59,298	65,653
	3000K Lumens	6,566	12,831	19,146	25,297	31,344	37,508	44,358	50,260	56,064	62,072
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
SL2	4000K/5000K Lumens	6,851	13,388	19,977	26,396	32,704	39,137	46,283	52,444	58,498	64,768
	3000K Lumens	6,477	12,658	18,888	24,957	30,920	37,003	43,759	49,584	55,308	61,235
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
SL3	4000K/5000K Lumens	6,994	13,668	20,394	26,947	33,388	39,953	47,249	53,537	59,720	66,119
	3000K Lumens	6,612	12,922	19,281	25,477	31,567	37,774	44,673	50,618	56,463	62,514
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
SL4	4000K/5000K Lumens	6,645	12,986	19,378	25,603	31,723	37,962	44,893	50,868	56,743	62,824
	3000K Lumens	6,282	12,279	18,321	24,207	29,993	35,892	42,445	48,094	53,648	59,398
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
5NQ	4000K/5000K Lumens	7,214	14,097	21,036	27,795	34,437	41,210	48,734	55,220	61,597	68,199
	3000K Lumens	6,820	13,329	19,888	26,279	32,558	38,962	46,077	52,208	58,237	64,479
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
5MQ	4000K/5000K Lumens	7,347	14,356	21,423	28,306	35,071	41,969	49,632	56,237	62,730	69,454
	3000K Lumens	6,947	13,573	20,254	26,762	33,158	39,680	46,925	53,170	59,309	65,667
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
5WQ	4000K/5000K Lumens	7,366	14,396	21,480	28,381	35,164	42,080	49,765	56,386	62,898	69,639
	3000K Lumens	6,964	13,610	20,308	26,833	33,247	39,786	47,050	53,311	59,468	65,842
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
SLL/SLR	4000K/5000K Lumens	6,147	12,010	17,921	23,679	29,339	35,109	41,521	47,046	52,478	58,102
	3000K Lumens	5,811	11,355	16,944	22,388	27,739	33,194	39,256	44,479	49,617	54,933
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
RW	4000K/5000K Lumens	7,149	13,970	20,846	27,543	34,126	40,837	48,295	54,722	61,042	67,582
	3000K Lumens	6,760	13,208	19,709	26,041	32,264	38,610	45,661	51,738	57,713	63,897
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
AFL	4000K/5000K Lumens	7,175	14,021	20,921	27,643	34,249	40,986	48,470	54,920	61,262	67,828
	3000K Lumens	6,784	13,256	19,780	26,136	32,381	38,750	45,827	51,925	57,922	64,129
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4

* Nominal data for 70 CRI.

NOMINAL POWER LUMENS (1A)

Number of Light Squares		1	2	3	4	5	6	7	8	9	10
Nominal Power (Watts)		59	113	166	225	279	333	391	445	501	558
Input Current @ 120V (A)		0.51	1.02	1.53	2.03	2.55	3.06	3.56	4.08	4.60	5.07
Input Current @ 208V (A)		0.29	0.56	0.82	1.11	1.37	1.64	1.93	2.19	2.46	2.75
Input Current @ 240V (A)		0.26	0.48	0.71	0.96	1.19	0.41	1.67	1.89	2.12	2.39
Input Current @ 277V (A)		0.23	0.42	0.61	0.83	1.03	1.23	1.45	1.65	1.84	2.09
Input Current @ 347V (A)		0.17	0.32	0.50	0.64	0.82	1.00	1.14	1.32	1.50	1.68
Input Current @ 480V (A)		0.14	0.24	0.37	0.48	0.61	0.75	0.91	0.99	1.12	1.28
Optics											
T2	4000K/5000K Lumens	6,256	12,225	18,242	24,104	29,865	35,739	42,265	47,888	53,420	59,144
	3000K Lumens	5,915	11,559	17,248	22,789	28,236	33,790	39,960	45,277	50,506	55,919
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
T2R	4000K/5000K Lumens	6,642	12,979	19,366	25,589	31,705	37,941	44,870	50,840	56,711	62,789
	3000K Lumens	6,280	12,271	18,311	24,193	29,976	35,872	42,423	48,068	53,619	59,365
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
T3	4000K/5000K Lumens	6,377	12,461	18,593	24,568	30,439	36,426	43,077	48,810	54,447	60,282
	3000K Lumens	6,029	11,781	17,580	23,229	28,781	34,441	40,731	46,150	51,480	56,997
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
T3R	4000K/5000K Lumens	6,518	12,739	19,006	25,113	31,116	37,235	44,036	49,895	55,658	61,622
	3000K Lumens	6,029	11,781	17,579	23,229	28,779	34,440	40,729	46,148	51,478	56,995
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
T4FT	4000K/5000K Lumens	6,414	12,533	18,702	24,710	30,616	36,637	43,328	49,093	54,763	60,631
	3000K Lumens	6,064	11,849	17,681	23,363	28,946	34,638	40,966	46,417	51,776	57,325
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
T4W	4000K/5000K Lumens	6,331	12,372	18,459	24,391	30,221	36,163	42,769	48,459	54,056	59,849
	3000K Lumens	5,986	11,697	17,452	23,061	28,572	34,192	40,436	45,817	51,108	56,585
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
SL2	4000K/5000K Lumens	6,245	12,205	18,212	24,062	29,813	35,677	42,192	47,807	53,326	59,042
	3000K Lumens	5,904	11,539	17,218	22,750	28,187	33,732	39,891	45,199	50,418	55,822
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
SL3	4000K/5000K Lumens	6,376	12,460	18,591	24,564	30,436	36,421	43,072	48,803	54,439	60,273
	3000K Lumens	6,028	11,780	17,578	23,224	28,776	34,435	40,723	46,141	51,471	56,986
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
SL4	4000K/5000K Lumens	6,058	11,838	17,664	23,340	28,918	34,605	40,924	46,370	51,727	57,269
	3000K Lumens	5,727	11,193	16,701	22,067	27,341	32,718	38,692	43,841	48,906	54,146
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
5NQ	4000K/5000K Lumens	6,577	12,851	19,176	25,336	31,392	37,566	44,426	50,337	56,151	62,170
	3000K Lumens	6,218	12,151	18,131	23,955	29,680	35,517	42,003	47,592	53,089	58,779
	BUG Rating	B2-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
5MQ	4000K/5000K Lumens	6,697	13,088	19,528	25,803	31,970	38,258	45,243	51,264	57,185	63,313
	3000K Lumens	6,332	12,374	18,463	24,395	30,227	36,171	42,776	48,468	54,066	59,861
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
5WQ	4000K/5000K Lumens	6,715	13,122	19,580	25,871	32,055	38,360	45,365	51,401	57,337	63,482
	3000K Lumens	6,348	12,406	18,513	24,461	30,307	36,268	42,891	48,599	54,210	60,021
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
SLL/SLR	4000K/5000K Lumens	5,604	10,949	16,337	21,586	26,745	32,004	37,850	42,886	47,838	52,965
	3000K Lumens	5,298	10,351	15,446	20,409	25,287	30,258	35,786	40,547	45,229	50,077
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
RW	4000K/5000K Lumens	6,517	12,735	19,002	25,107	31,109	37,227	44,025	49,883	55,644	61,607
	3000K Lumens	6,162	12,040	17,965	23,738	29,413	35,197	41,623	47,163	52,609	58,247
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
AFL	4000K/5000K Lumens	6,541	12,781	19,072	25,199	31,221	37,362	44,185	50,065	55,846	61,831
	3000K Lumens	6,184	12,084	18,032	23,825	29,519	35,325	41,775	47,334	52,801	58,459
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4

* Nominal data for 70 CRI.

NOMINAL POWER LUMENS (800MA)

Number of Light Squares		1	2	3	4	5	6	7	8	9	10
Nominal Power (Watts)		44	85	124	171	210	249	295	334	374	419
Input Current @ 120V (A)		0.39	0.77	1.13	1.54	1.90	2.26	2.67	3.03	3.39	3.80
Input Current @ 208V (A)		0.22	0.44	0.62	0.88	1.06	1.24	1.50	1.68	1.87	2.12
Input Current @ 240V (A)		0.19	0.38	0.54	0.76	0.92	1.08	1.30	1.46	1.62	1.84
Input Current @ 277V (A)		0.17	0.36	0.47	0.72	0.83	0.95	1.19	1.31	1.42	1.67
Input Current @ 347V (A)		0.15	0.24	0.38	0.49	0.63	0.77	0.87	1.01	1.15	1.52
Input Current @ 480V (A)		0.11	0.18	0.29	0.37	0.48	0.59	0.66	0.77	0.88	0.96
Optics											
T2	4000K/5000K Lumens	5,054	9,878	14,739	19,475	24,129	28,875	34,148	38,691	43,159	47,785
	3000K Lumens	4,779	9,338	13,935	18,412	22,813	27,301	32,286	36,581	40,805	45,179
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5
T2R	4000K/5000K Lumens	5,366	10,486	15,647	20,675	25,616	30,654	36,252	41,076	45,819	50,730
	3000K Lumens	5,074	9,914	14,794	19,548	24,218	28,982	34,276	38,835	43,320	47,964
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
T3	4000K/5000K Lumens	5,153	10,068	15,022	19,849	24,593	29,430	34,805	39,436	43,990	48,705
	3000K Lumens	4,872	9,519	14,203	18,766	23,251	27,825	32,907	37,285	41,591	46,048
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
T3R	4000K/5000K Lumens	5,266	10,292	15,356	20,290	25,140	30,084	35,578	40,312	44,968	49,786
	3000K Lumens	4,979	9,731	14,518	19,184	23,769	28,443	33,638	38,114	42,516	47,071
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
T4FT	4000K/5000K Lumens	5,182	10,126	15,109	19,964	24,736	29,600	35,006	39,664	44,245	48,987
	3000K Lumens	4,899	9,574	14,285	18,876	23,387	27,986	33,097	37,501	41,832	46,315
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
T4W	4000K/5000K Lumens	5,115	9,995	14,914	19,706	24,417	29,218	34,554	39,152	43,674	48,354
	3000K Lumens	4,836	9,450	14,100	18,631	23,085	27,624	32,670	37,017	41,292	45,717
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
SL2	4000K/5000K Lumens	5,046	9,860	14,713	19,441	24,087	28,825	34,089	38,625	43,085	47,702
	3000K Lumens	4,771	9,322	13,911	18,381	22,774	27,253	32,229	36,518	40,735	45,101
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5
SL3	4000K/5000K Lumens	5,152	10,067	15,020	19,846	24,591	29,426	34,800	39,431	43,984	48,698
	3000K Lumens	4,871	9,518	14,200	18,764	23,249	27,822	32,902	37,280	41,585	46,042
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
SL4	4000K/5000K Lumens	4,894	9,565	14,271	18,857	23,364	27,959	33,065	37,465	41,792	46,270
	3000K Lumens	4,627	9,043	13,492	17,829	22,090	26,434	31,261	35,422	39,513	43,746
	BUG Rating	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
5NQ	4000K/5000K Lumens	5,313	10,383	15,493	20,470	25,363	30,351	35,893	40,669	45,367	50,229
	3000K Lumens	5,024	9,817	14,647	19,354	23,980	28,696	33,936	38,452	42,893	47,490
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G3
5MQ	4000K/5000K Lumens	5,411	10,574	15,778	20,848	25,830	30,911	36,554	41,418	46,202	51,154
	3000K Lumens	5,117	9,997	14,917	19,710	24,421	29,225	34,561	39,160	43,682	48,364
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
5WQ	4000K/5000K Lumens	5,426	10,603	15,820	20,903	25,899	30,992	36,652	41,529	46,325	51,290
	3000K Lumens	5,130	10,025	14,958	19,763	24,486	29,302	34,654	39,263	43,799	48,493
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
SLL/SLR	4000K/5000K Lumens	4,528	8,846	13,199	17,440	21,609	25,858	30,580	34,649	38,651	42,792
	3000K Lumens	4,281	8,364	12,480	16,489	20,430	24,448	28,912	32,759	36,543	40,459
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
RW	4000K/5000K Lumens	5,265	10,289	15,353	20,285	25,134	30,077	35,569	40,303	44,958	49,775
	3000K Lumens	4,978	9,727	14,516	19,179	23,763	28,437	33,629	38,105	42,506	47,060
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4
AFL	4000K/5000K Lumens	5,285	10,327	15,409	20,360	25,225	30,186	35,699	40,450	45,120	49,956
	3000K Lumens	4,996	9,763	14,569	19,249	23,849	28,540	33,752	38,244	42,659	47,232
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3

* Nominal data for 70 CRI.

NOMINAL POWER LUMENS (600MA)

Number of Light Squares		1	2	3	4	5	6	7	8	9	10
Nominal Power (Watts)		34	66	96	129	162	193	226	257	290	323
Input Current @ 120V (A)		0.30	0.58	0.86	1.16	1.44	1.73	2.03	2.33	2.59	2.89
Input Current @ 208V (A)		0.17	0.34	0.49	0.65	0.84	0.99	1.14	1.30	1.48	1.63
Input Current @ 240V (A)		0.15	0.30	0.43	0.56	0.74	0.87	1.00	1.13	1.30	1.43
Input Current @ 277V (A)		0.14	0.28	0.41	0.52	0.69	0.81	0.93	1.04	1.22	1.33
Input Current @ 347V (A)		0.11	0.19	0.30	0.39	0.49	0.60	0.69	0.77	0.90	0.99
Input Current @ 480V (A)		0.08	0.15	0.24	0.30	0.38	0.48	0.53	0.59	0.71	0.77
Optics											
T2	4000K/5000K Lumens	4,121	8,055	12,019	15,881	19,676	23,547	27,847	31,552	35,196	38,967
	3000K Lumens	3,896	7,615	11,363	15,015	18,604	22,263	26,328	29,831	33,276	36,842
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4
T2R	4000K/5000K Lumens	4,376	8,552	12,760	16,860	20,890	24,998	29,563	33,497	37,365	41,369
	3000K Lumens	4,138	8,085	12,064	15,941	19,751	23,635	27,951	31,670	35,328	39,113
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4
T3	4000K/5000K Lumens	4,201	8,210	12,251	16,187	20,055	23,999	28,383	32,159	35,873	39,718
	3000K Lumens	3,973	7,763	11,583	15,304	18,961	22,691	26,835	30,406	33,916	37,552
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
T3R	4000K/5000K Lumens	4,294	8,393	12,523	16,546	20,501	24,532	29,014	32,875	36,671	40,600
	3000K Lumens	4,060	7,936	11,840	15,644	19,383	23,195	27,432	31,082	34,671	38,386
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
T4FT	4000K/5000K Lumens	4,226	8,257	12,321	16,280	20,172	24,139	28,547	32,346	36,082	39,948
	3000K Lumens	3,996	7,807	11,649	15,392	19,071	22,822	26,990	30,582	34,114	37,770
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
T4W	4000K/5000K Lumens	4,171	8,151	12,162	16,071	19,912	23,827	28,178	31,928	35,615	39,432
	3000K Lumens	3,943	7,706	11,498	15,194	18,825	22,527	26,642	30,187	33,673	37,281
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
SL2	4000K/5000K Lumens	4,114	8,041	11,998	15,854	19,643	23,506	27,799	31,498	35,135	38,901
	3000K Lumens	3,890	7,603	11,344	14,989	18,572	22,224	26,282	29,780	33,219	36,779
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
SL3	4000K/5000K Lumens	4,200	8,209	12,249	16,184	20,053	23,996	28,379	32,154	35,869	39,712
	3000K Lumens	3,972	7,762	11,580	15,302	18,960	22,688	26,831	30,400	33,913	37,546
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
SL4	4000K/5000K Lumens	3,992	7,799	11,638	15,378	19,053	22,801	26,964	30,552	34,081	37,733
	3000K Lumens	3,774	7,374	11,003	14,539	18,015	21,557	25,493	28,886	32,222	35,674
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5	B3-U0-G5
5NQ	4000K/5000K Lumens	4,333	8,467	12,634	16,694	20,683	24,751	29,271	33,166	36,996	40,961
	3000K Lumens	4,097	8,005	11,945	15,784	19,555	23,401	27,674	31,357	34,978	38,727
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3
5MQ	4000K/5000K Lumens	4,413	8,622	12,867	17,000	21,064	25,207	29,810	33,777	37,677	41,715
	3000K Lumens	4,173	8,152	12,165	16,073	19,915	23,832	28,185	31,934	35,623	39,440
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
5WQ	4000K/5000K Lumens	4,424	8,646	12,900	17,046	21,120	25,274	29,890	33,866	37,778	41,826
	3000K Lumens	4,182	8,175	12,197	16,117	19,968	23,896	28,260	32,018	35,717	39,545
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
SLL/SLR	4000K/5000K Lumens	3,692	7,214	10,763	14,222	17,621	21,086	24,937	28,256	31,519	34,897
	3000K Lumens	3,491	6,820	10,176	13,447	16,660	19,937	23,577	26,715	29,800	32,994
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
RW	4000K/5000K Lumens	4,293	8,390	12,520	16,542	20,496	24,527	29,007	32,866	36,662	40,591
	3000K Lumens	4,059	7,932	11,837	15,640	19,378	23,189	27,425	31,074	34,662	38,377
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
AFL	4000K/5000K Lumens	4,310	8,421	12,566	16,602	20,571	24,616	29,112	32,986	36,795	40,738
	3000K Lumens	4,074	7,962	11,881	15,697	19,448	23,273	27,525	31,187	34,788	38,516
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3

* Nominal data for 70 CRI.

CONTROL OPTIONS

0-10V (DIM)
This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

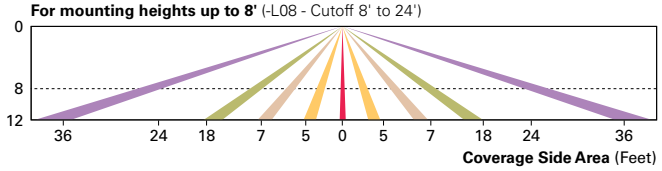
Photocontrol (P, R and PER7)
Optional button-type photocontrol (P) and photocontrol receptacles (R and PER7) provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PER7 receptacle.

After Hours Dim (AHD)
This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a "dusk-to-dawn" period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

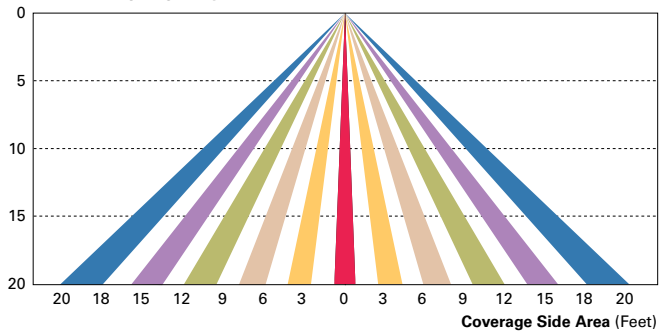
Dimming Occupancy Sensor (MS/DIM-LXX, MS/X-LXX and MS-LXX)
These sensors are factory installed in the luminaire housing. When the MS/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. The MS-LXX sensor is factory preset to turn the luminaire off after five minutes of no activity. The MS/X-LXX is also preset for five minutes and only controls the specified number of light engines to maintain steady output from the remaining light engines.

These occupancy sensors includes an integral photocell that can be activated with the FSIR-100 accessory for "dusk-to-dawn" control or daylight harvesting - the factory preset is OFF. The FSIR-100 is a wireless tool utilized for changing the dimming level, time delay, sensitivity and other parameters. A variety of sensor lens are available to optimize the coverage. pattern for mounting heights from 8'-40'.

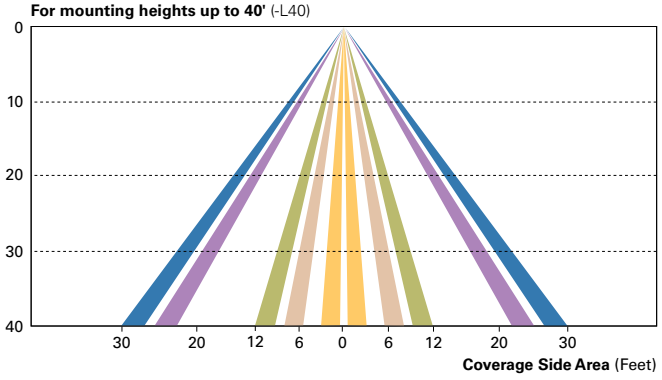
For mounting heights up to 8' (-L08 - Cutoff 8' to 24')



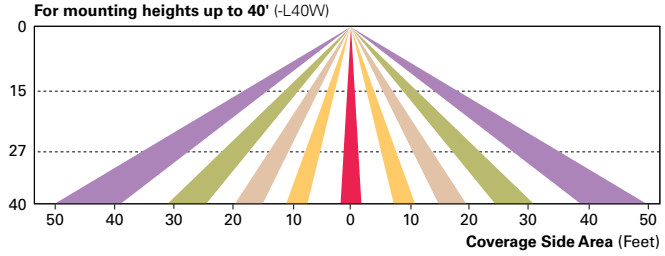
For mounting heights up to 20' (-L20)



For mounting heights up to 40' (-L40)

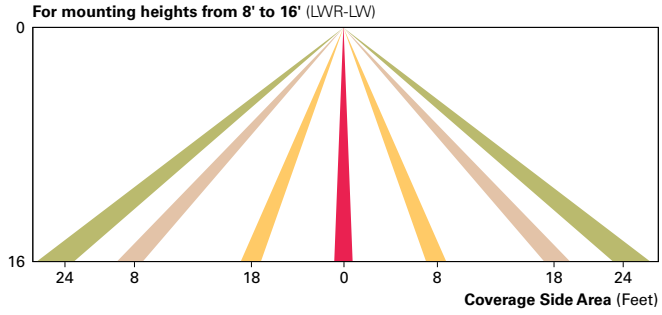


For mounting heights up to 40' (-L40W)

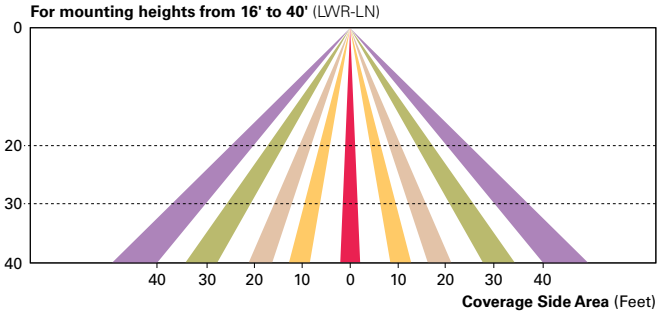


LumaWatt Pro Wireless Control and Monitoring System (LWR-LW and LWR-LN)
The Eaton's LumaWatt Pro powered by Enlighted is a connected lighting solution that combines a broad selection of energy-efficient LED luminaires with a powerful integrated wireless sensor system. The sensor controls the lighting system in compliance with the latest energy codes and collects valuable data about building performance and use. Software applications turn the granular data into information through energy dashboards and specialized apps that make it simple and help optimize the use of building resources, beyond lighting.

For mounting heights from 8' to 16' (LWR-LW)



For mounting heights from 16' to 40' (LWR-LN)



WaveLinx Wireless Outdoor Lighting Control Module (WOLC-7P-10A)
The 7-pin wireless outdoor lighting control module enables WaveLinx to control outdoor area, site and flood lighting. WaveLinx controls outdoor lighting using schedules to provide ON, OFF and dimming controls based on astronomic or time schedules based on a 7 day week.

LumenSafe Integrated Network Security Camera (LD)
Eaton brings ease of camera deployment to a whole new level. No additional wiring is needed beyond providing line power to the luminaire. A variety of networking options allows security integrators to design the optimal solution for active surveillance. As the ideal solution to meet the needs for active surveillance, the LumenSafe integrated network camera is a streamlined, outdoor-ready fixed dome that provides HDTV 1080p video. This IP camera is optimally designed for deployment in the video management system or security software platform of choice.

ORDERING INFORMATION

Sample Number: GLEON-AF-04-LED-E1-T3-GM-QM

Product Family [1, 2]	Light Engine	Number of Light Squares [3]	Lamp Type	Voltage	Distribution	Color	Mounting
GLEON=Galleon	**AF**=1A Drive Current	**01**=1 **02**=2 **03**=3 **04**=4 **05**=5 [4] **06**=6 **07**=7 [5] **08**=8 [5] **09**=9 [6] **10**=10 [6]	**LED**=Solid State Light Emitting Diodes	**E1**=120-277V **347**=347V [7] **480**=480V [7,8]	**T2**=Type II **T2R**=Type II Roadway **T3**=Type III **T3R**=Type III Roadway **T4FT**=Type IV ForwardThrow **T4W**=Type IV Wide **5NQ**=Type V Narrow **5MQ**=Type V Square Medium **5WQ**=Type V Square Wide **SL2**=Type II w/Spill Control **SL3**=Type III w/Spill Control **SL4**=Type IV w/Spill Control **SLL**=90° Spill Light Eliminator Left **SLR**=90° Spill Light Eliminator Right **RW**=Rectangular Wide Type I **AFL**=Automotive Frontline	**AP**=Grey **BZ**=Bronze **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White	**[Blank]**=Arm for Round or Square Pole **EA**=Extended Arm [9] **MA**=Mast Arm Adapter [10] **WM**=Wall Mount **QM**=Quick Mount Arm (Standard Length) [11] **QMEA**=Quick Mount Arm (Extended Length) [12]

Options (Add as Suffix)

7027=70 CRI 2700K [13]
7030=70 CRI 3000K [13]
8030=80 CRI 3000K [13]
7050=70 CRI 5000K [13]
7060=70 CRI 6000K [13]
600=Drive Current Set to Nominal 600mA [15]
800=Drive Current Set to Nominal 800mA [15]
1200=Drive Current Set to Nominal 1200mA [15, 16]
F=Single Fuse (120, 277 or 347V. Specify Voltage)
FF=Double Fuse (208, 240 or 480V. Specify Voltage)
2L=Two Circuits [17, 18]
DIM=External 0-10V Dimming Leads [19, 20]
AHD145=After Hours Dim, 5 Hours [22]
AHD245=After Hours Dim, 6 Hours [22]
AHD255=After Hours Dim, 7 Hours [22]
AHD355=After Hours Dim, 8 Hours [22]
HA=50°C High Ambient [23]
L90=Optics Rotated 90° Left
R90=Optics Rotated 90° Right
MT=Installed Mesh Top
TH=Tool-less Door Hardware
HSS=Installed House Side Shield [28]
CE=CE Marking [29]
LCF=Light Square Trim Painted to Match Housing [27]
P=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Voltage) [21]
PER7=NEMA 7-PIN Photocontrol Receptacle [21]
R=NEMA Photocontrol Receptacle [21]
MS-L20=Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height [24]
MS-L40W=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height [24]
MS/DIM-L08= Motion Sensor for Dimming Operation, Maximum 8' Mounting Height [24]
MS/DIM-L20= Motion Sensor for Dimming Operation, 9' - 20' Mounting Height [24]
MS/DIM-L40W=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height [24]
MS/X-L08=Bi-Level Motion Sensor, Maximum 8' Mounting Height [24, 25]
MS/X-L20=Bi-Level Motion Sensor, 9' - 20' Mounting Height [24, 25]
MS/X-L40W=Bi-Level Motion Sensor, 21' - 40' Mounting Height [24, 25]
MS-L08=Motion Sensor for ON/OFF Operation, Maximum 8' Mounting Height [24]
LWR-LW=LumaWatt Pro Wireless Sensor, Wide Lens for 8' - 16' Mounting Height [26]
LWR-LN=LumaWatt Pro Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height [26]
ZW =WaveLinx-enabled 4-PIN Twistlock Receptacle [19, 33]
ZW-SWPD4WH=Wavelinx Wireless Sensor, 7' – 15' Mounting Height, White [19, 33]
ZW-SWPD4BZ=Wavelinx Wireless Sensor, 7' – 15' Mounting Height, Bronze [19, 33]
ZW-SWPD5WH=Wavelinx Wireless Sensor, 15' – 40' Mounting Height, White [19, 33]
ZW-SWPD5BZ=Wavelinx Wireless Sensor, 15' – 40' Mounting Height, Bronze [19, 33]

Accessories (Order Separately)

OA/RA1016=NEMA Photocontrol Multi-Tap - 105-285V
OA/RA1027=NEMA Photocontrol - 480V
OA/RA1201=NEMA Photocontrol - 347V
OA/RA1013=Photocontrol Shorting Cap
OA/RA1014=120V Photocontrol
MA1252=10kV Surge Module Replacement
MA1036-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon
MA1037-XX=2@180° Tenon Adapter for 2-3/8" O.D. Tenon
MA1197-XX=3@120° Tenon Adapter for 2-3/8" O.D. Tenon
MA1188-XX=4@90° Tenon Adapter for 2-3/8" O.D. Tenon
MA1189-XX=2@90° Tenon Adapter for 2-3/8" O.D. Tenon
MA1190-XX=3@90° Tenon Adapter for 2-3/8" O.D. Tenon
MA1191-XX=2@120° Tenon Adapter for 2-3/8" O.D. Tenon
MA1038-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon
MA1039-XX=2@180° Tenon Adapter for 3-1/2" O.D. Tenon
MA1192-XX=3@120° Tenon Adapter for 3-1/2" O.D. Tenon
MA1193-XX=4@90° Tenon Adapter for 3-1/2" O.D. Tenon
MA1194-XX=2@90° Tenon Adapter for 3-1/2" O.D. Tenon
MA1195-XX=3@90° Tenon Adapter for 3-1/2" O.D. Tenon
FSIR-100=Wireless Configuration Tool for Occupancy Sensor [24]
GLEON-MT1=Field Installed Mesh Top for 1-4 Light Squares
GLEON-MT2=Field Installed Mesh Top for 5-6 Light Squares
GLEON-MT3=Field Installed Mesh Top for 7-8 Light Squares
GLEON-MT4=Field Installed Mesh Top for 9-10 Light Squares
GLEON-QM=Quick Mount Arm Kit [11]
GLEON-QMEA=Quick Mount Extended Arm Kit [12]
LS/HSS=Field Installed House Side Shield [28, 30]
WOLC-7P-10A=WaveLinx Outdoor Control Module [19, 31]
SWPD4-WH=Wavelinx Wireless Sensor, 7' – 15' Mounting Height, White [19, 33, 34]
SWPD4-BZ=Wavelinx Wireless Sensor, 7' – 15' Mounting Height, Bronze [19, 33, 34]
SWPD5-WH=Wavelinx Wireless Sensor, 15' – 40' Mounting Height, White [19, 33, 34]
SWPD5-BZ=Wavelinx Wireless Sensor, 15' – 40' Mounting Height, Bronze [19, 33, 34]

NOTES:
1 Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information. **2** DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details. **3** Standard 4000K CCT and minimum 70 CRI. **4** Not compatible with MS/4-LXX or MS/1-LXX sensors. **5** Not compatible with extended quick mount arm (QMEA). **6** Not compatible with standard quick mount arm (QM) or extended quick mount arm (QMEA). **7** Requires the use of an internal step down transformer when combined with sensor options. Not available with sensor at 1200mA. Not available in combination with the HA high ambient and sensor options at 1A. **8** Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems). **9** May be required when two or more luminaires are oriented on a 90° or 120° drilling pattern. Refer to arm mounting requirement table. **10** Factory installed. **11** Maximum 8 light squares. **12** Maximum 6 light squares. **13** Extended lead times apply. Use dedicated IES files for 2700K, 3000K, 5000K and 6000K when performing layouts. **14** Reserved **15** 1 Amp standard. Use dedicated IES files for 600mA, 800mA and 1200mA when performing layouts. **16** Not available with HA option. **17** 2L is not available with MS, MS/X or MS/DIM at 347V or 480V. 2L in AF-02 through AF-04 requires a larger housing, normally used for AF-05 or AF-06. Extended arm option may be required when mounting two or more fixtures per pole at 90° or 120°. Refer to arm mounting requirement table. **18** Not available with LumaWatt Pro wireless sensors. **19** Cannot be used with other control options. **20** Low voltage control lead brought out 18" outside fixture. **21** Not available if any "MS" sensor is selected. Motion sensor has an integral photocell. **22** Requires the use of P photocontrol or the PER7 or R photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information. **23** 50°C lumen maintenance data applies to 600mA, 800mA and 1A drive currents. **24** The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Eaton for more information. **25** Replace X with number of Light Squares operating in low output mode. **26** LumaWatt Pro wireless sensors are factory installed only requiring network components LWP-EM-1, LWP-GW-1 and LWP-PoE8 in appropriate quantities. See www.eaton.com/lighting for LumaWatt Pro application information. **27** Not available with house side shield (HSS). **28** Only for use with SL2, SL3, SL4 and AFL distributions. The Light Square trim plate is painted black when the HSS option is selected. **29** CE is not available with the LWR, MS, MS/X, MS/DIM, P, R or PER7 options. Available in 120-277V only. **30** One required for each Light Square. **31** Requires PER7. **32** Reserved. **33** WAC Gateway required to enable field-configurability: Order WAC-PoE and WPOE-120 (10V to PoE injector) power supply if needed. **34** Requires ZW. **35** Reserved.

LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

Product Family	Camera Type	Data Backhaul	
L=LumenSafe Technology* LumenSafe Technology CLICK HERE	**D**=Dome Camera, Standard **H**=Dome Camera, Hi-Res **Z**=Dome Camera, Remote PTZ	**C**=Cellular, Customer Installed SIM Card **A**=Cellular, Factory Installed AT&T SIM Card **V**=Cellular, Factory Installed Verizon SIM Card **S**=Cellular, Factory Installed Sprint SIM Card	**W**=Wi-Fi Networking w/ Omni-Directional Antenna **E**=Ethernet Networking

*Consult LumenSafe system pages for additional details and compatibility.

Invue

DESCRIPTION

The Invue Arbor post top brings architectural style to area/site and pedestrian scale applications. Its dayform appearance brings a desired organic look into the urban environment. WaveStream™ LED Optics provide a uniform pixelation free image, managing glare while providing high levels of visibility.

Catalog #		Type
Project		Z03
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction
Two-piece IP66 rated housing is cast from low copper content corrosion resistant aluminum, maintaining strength and precision to sustain long term dayform appearance. ANSI C136.31 testing compliance prevents damage from installation generated vibration. External hardware and casting seams are minimized to enhance appearance.

Optics
Specifically designed for pedestrian applications, WaveStream LED optical waveguide technology produces both symmetric NEMA type V and asymmetric NEMA II, III, IV distributions. The waveguide is manufactured from precision injection molded acrylic resulting in a pixelation free optical image for improved glare control and visual comfort. Luminaire efficacy's measure up to 100 lm/w for 4000K (+/- 275K) CCT at 70 CRI (min), optional 3000K CCT at 80 CRI is also available.

Electrical
LED driver(s) are directly mounted to upper housing thermal pad for optimal thermal performance. Standard 0-10V dimming drivers and Eaton's proprietary surge protection module are designed to withstand 10kV of transient line surge. Drivers operate at 120-277V 50/60Hz with 347V/60Hz or 480V/60Hz operation optional. Suitable for ambient temperature applications as low as -40°C (40°F) to 40°C (104°F). Limited high ambient options allow for 50°C operation.

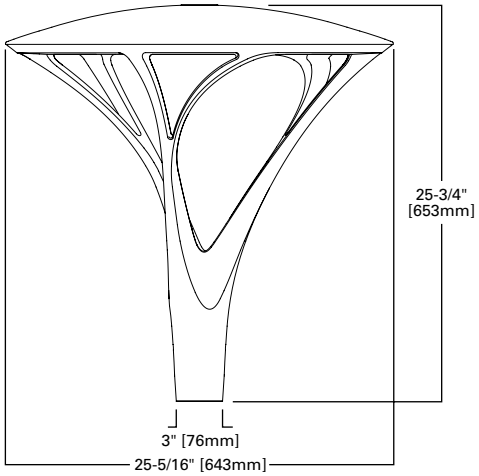
Controls
The Arbor LED luminaire control options are designed to be simple and cost-effective ASHRAE and California Title 24 compliant solutions. The ANSI C136.41 compliant NEMA 7-PIN receptacle enables wireless dimming when used with compatible photocontrol. An integrated dimming and occupancy sensor is a standalone control option available in on/off (MS) and bi-level dimming (MS/DIM) operation. The optional LumaWatt Pro™ system is best described as a peer-to-peer wireless network of luminaire-integral sensors that operate in accordance with programmable profiles. Each sensor is capable of motion and photo sensing, metering power consumption and wireless communication. See control options page for more details.

Mounting
Fitter assembly mounts over 2-3/8" O.D. tenon and is secured via six concealed stainless steel set screws. Design of fitter provides seamless transition to 3" O.D. round pole top. Additional mounting accessories include a single fixture arm mount, twin fixture arm mount and wall mount arm. Additional pole mount accessories mount to a 3" x 4" long tenon for 4" - 5" O.D. poles tops. For existing 2-3/8" tenons an adapter is shipped standard.

Finish
Eaton utilizes premium ultra-weatherable TGIC based polyester powder coatings that are specifically formulated to withstand extended outdoor exposure. The powders are formulated exclusively for Eaton to serve functionally as well as decorative. Good film appearance combinded with excellent mechanical an exterior exposure qualities display greater than twice as much gloss retention. RAL and custom color matches available. Finish is compliant with ASTM B117 3000hr salt spray standard.

Warranty
Five-year warranty.

DIMENSIONS



ARB ARBOR POSTTOP

DECORATIVE LUMINAIRE

CERTIFICATION DATA

UL/cUL Listed
ANSI C136.31 1.5G Vibration Tested
IEG 60529 IP66 Housing
ASTM B117 SaH Spray Tested
ASTM A3560 Low Cooper Alloy
RoHS
ISO 9001
Dark Sky Approved (3000K CCT and warmer only)
DesignLights Consortium® Qualified*

ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V 50/60Hz, 347V/60Hz, 480V/60Hz
40°C Ambient Temperature Rating
As low as -40°C (-40°F) minimum temperature
*See MINIMUM TEMPERATURE table

EPA

Effective Projected Area: (Sq. Ft.) 0.9

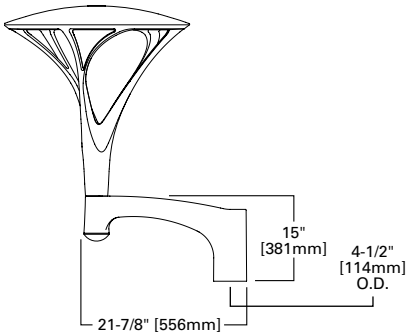
Approximate Net Weight:
37 lbs. [16.8 kgs.]

Powering Business Worldwide

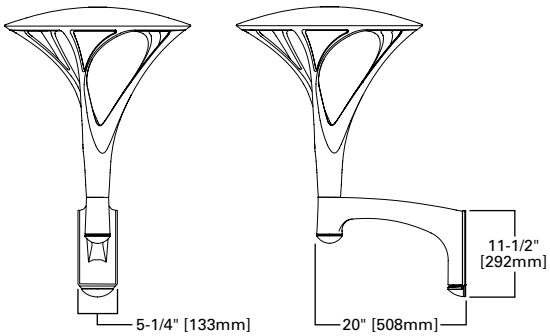
*www.designlights.org

MOUNTING CONFIGURATIONS (WEIGHT AND EPAS INCLUDES FIXTURE)

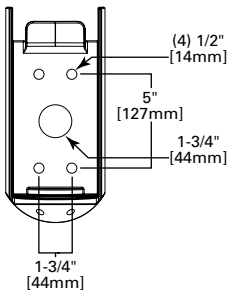
Single Arm Mount (ARSA-XX)
Weight: 56 lbs. [25.45 kgs.]
EPA: 1.7 Sq. Ft.



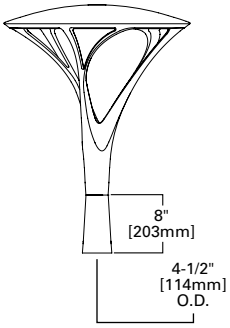
Wall Mount Arm (ARWM-XX)
Weight: 57 lbs. [25.91 kgs.]
EPA: 1.8 Sq. Ft.



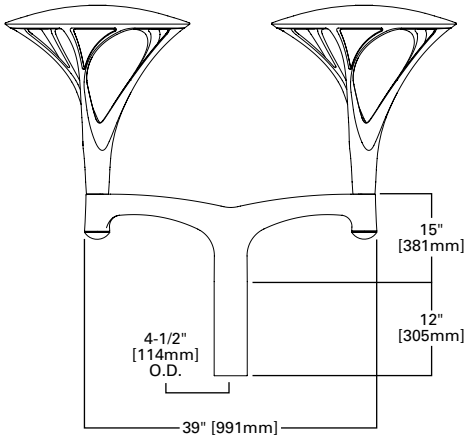
Wall Mount Arm Drill Pattern



Post Top Adapter (ARPA4-XX)
Weight: 41 lbs. [18.63 kgs.]
EPA: 1.2 Sq. Ft.



Twin Arm Mount (ARTA15-XX)
Weight: 114 lbs. [51.81 kgs.]
EPA: 3.45 Sq. Ft.

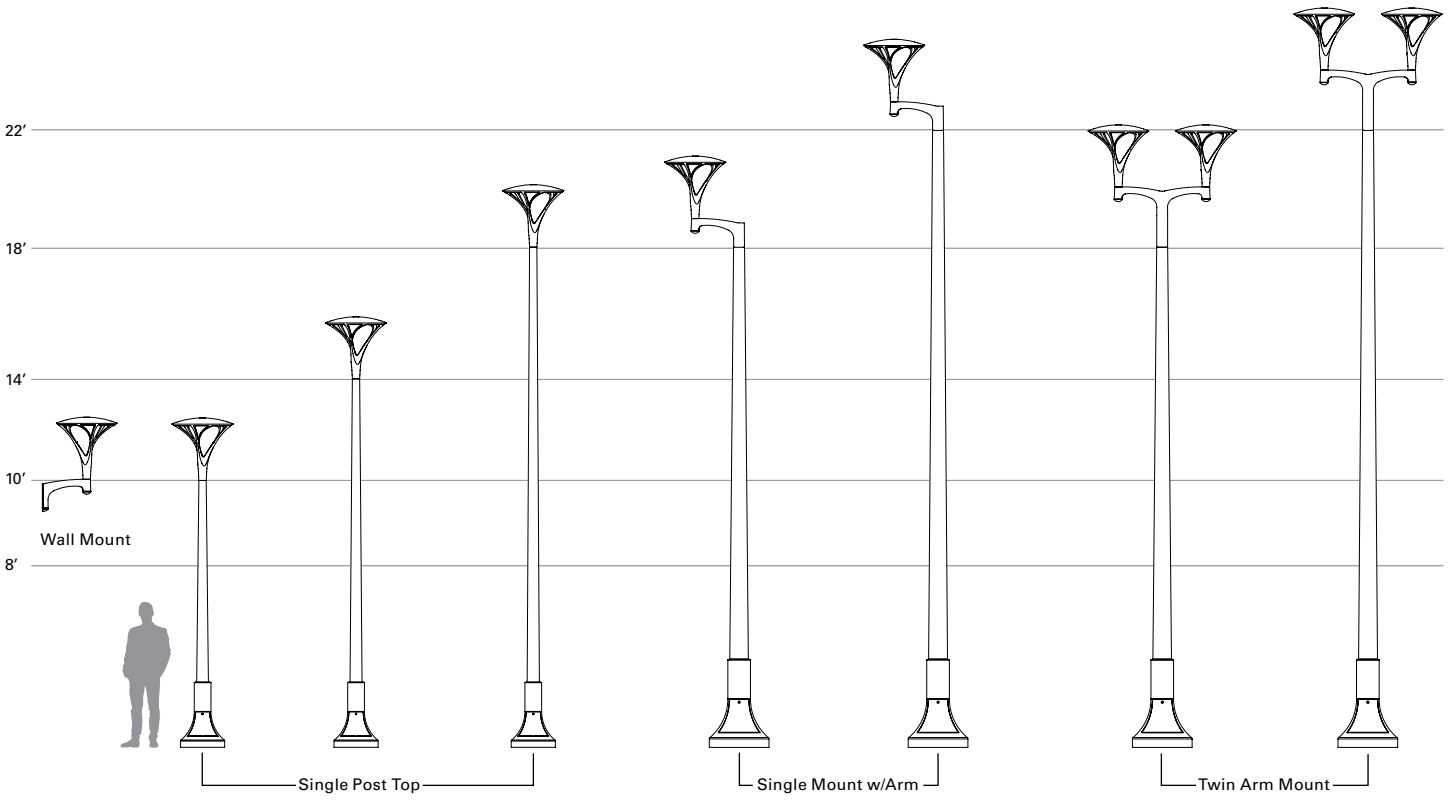


MOUNTING REQUIREMENTS CHART

Tenon O.D. (Inches)	**2-3/8" Tenon**		
Pole Top O.D. (Inches)	**3"**	**4"**	**5"**
Post Top	Standard	Spacer (Provided) & ARPA4-XX (Order Separately)	Spacer (Provided) & ARPA4-XX (Order Separately)
Single Arm Mount	Spacer (Provided)	Spacer (Provided)	Spacer (Provided)

Tenon O.D. (Inches)	**3" Tenon**		
Pole Top O.D. (Inches)		**4"**	**5"**
Post Top		ARPA4-XX (Order Separately)	ARPA4-XX (Order Separately)
Single Arm Mount		Standard	Standard
Twin Mount		Standard	Standard

POLE CONFIGURATIONS (ARP DECORATIVE POLE SHOWN)



Powering Business Worldwide

Eaton
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.eaton.com/lighting

CONTROL OPTIONS

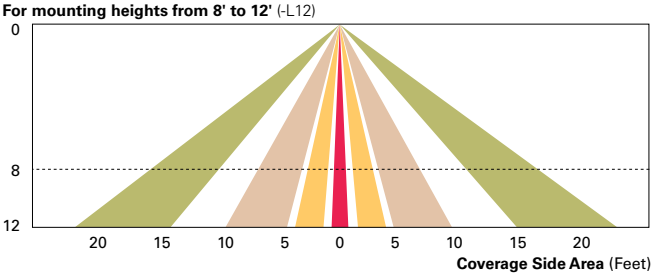
0-10V (D) The dimming option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

Photocontrol (PER and PER7) Photocontrol receptacles provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PER7 receptacle.

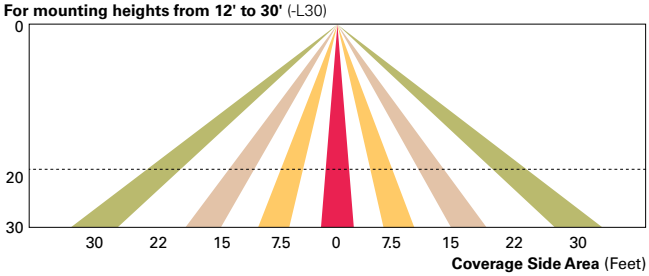
Dimming Occupancy Sensor (MS) These sensors are factory installed in the luminaire housing. When a sensor for dimming operation (/DIM) option is selected, the luminaire will dim down to approximately 50 percent power after five minutes of no activity detected. When activity is detected, the luminaire returns to full light output. When a sensor for ON/OFF operation is selected, the luminaire will turn off after five minutes of no activity.

These occupancy sensors include an integral photocell that can be activated or inactivated with the programming remote / configuration tool for "dusk-to-dawn" control or "daylight harvesting". Note: For MS sensors, the factory preset is OFF (Disabled). The programming remote / tool is a wireless tool that can be utilized to change the dimming level, time delay, sensitivity and other parameters. A variety of sensor lenses are available to optimize the coverage pattern for mounting heights from 8'-40'.

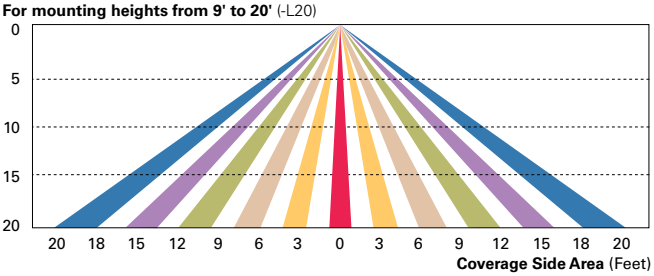
For mounting heights from 8' to 12' (-L12)



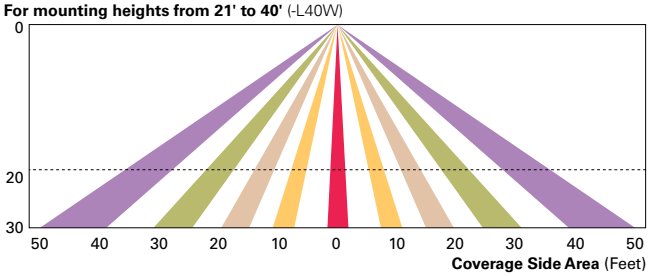
For mounting heights from 12' to 30' (-L30)



For mounting heights from 9' to 20' (-L20)



For mounting heights from 21' to 40' (-L40W)

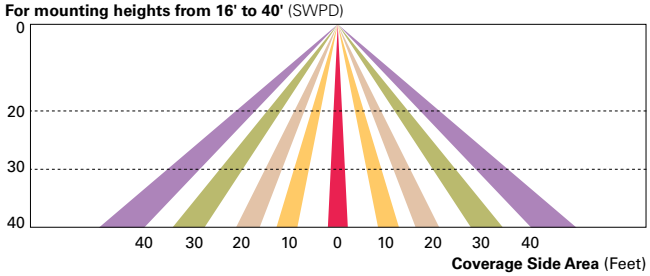


WaveLinx Wireless Control and Monitoring System Available in 7-PIN or 4-PIN configurations, the WaveLinx Outdoor control platform operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. Use the WaveLinx Mobile application for set-up and configuration. At least one Wireless Area Controller (WAC) is required for full functionality and remote communication (including adjustment of any factory pre-sets).

WaveLinx Outdoor Control Module (WOLC-7P-10A) A photocontrol that enables astronomic or time-based schedules to provide ON, OFF and dimming control of fixtures utilizing a 7-PIN receptacle. The out-of-box functionality is ON at dusk and OFF at dawn.

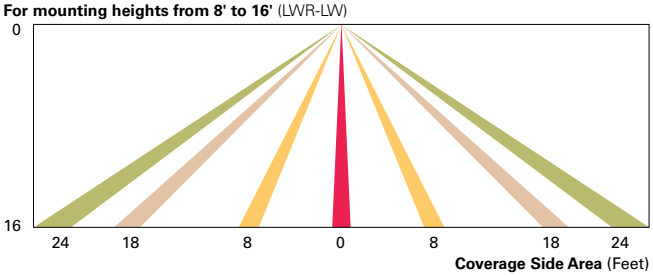
WaveLinx Wireless Sensor (SWPD4 and SWPD5) These outdoor sensors offer passive infrared (PIR) occupancy and a photocell for closed loop daylight sensing. These sensors can be factory installed or field-installed via simple, tool-less integration into luminaires equipped with the Zhaga Book 18 compliant 4-PIN receptacle (ZW). These sensors are factory preset to dim down to approximately 50 percent power after 15 minutes of no activity detected. These occupancy sensors include an integral photocell for "dusk-to-dawn" control or daylight harvesting that is factory-enabled. A variety of sensor lenses are available to optimize the coverage pattern for mounting heights from 7'-40'.

For mounting heights from 16' to 40' (SWPD)

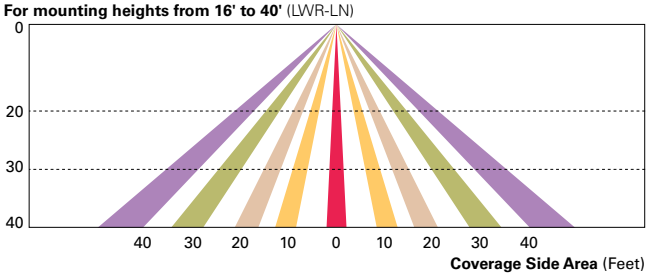


LumaWatt Pro Wireless Control and Monitoring System (LWR-LW and LWR-LN) The Eaton's LumaWatt Pro powered by Enlighted is a connected lighting solution that combines LED luminaires with an integrated wireless sensor system. The sensor controls the lighting system in compliance with the latest energy codes and collects valuable data about building performance and use. Software applications turn the granular data into information through energy dashboards and specialized apps that make it simple and help optimize the use of other resources beyond lighting.

For mounting heights from 8' to 16' (LWR-LW)



For mounting heights from 16' to 40' (LWR-LN)



POWER AND LUMENS

Lumen Package		B1	B2	B3	B4
Drive Current					
Power Wattage (Watts)		24W	48W	96W	99W
Input Current (mA) @ 120V		200	400	800	830
Input Current (mA) @ 208V		120	240	470	480
Input Current (mA) @ 240V		100	200	400	420
Input Current (mA) @ 277V		90	180	350	360
Power Wattage (Watts)		26W	53W	107W	108W
Input Current (mA) @ 347V		79	161	325	328
Input Current (mA) @ 480V		58	117	235	237
Optics					
Type II	Lumens	2,045	3,994	7,362	--
	BUG Rating	B1-U1-G1	B1-U2-G2	B3-U2-G3	--
Type III	Lumens	2,324	4,534	8,451	--
	BUG Rating	B1-U1-G1	B1-U2-G2	B2-U2-G3	--
Type IV	Lumens	2,408	4,691	8,740	--
	BUG Rating	B1-U1-G1	B1-U2-G2	B2-U2-G3	--
Type V	Lumens	2,311	4,529	8,511	9,464
	BUG Rating	B2-U1-G1	B3-U2-G2	B3-U2-G3	B3-U2-G3

LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Calculated L70 (Hours)
25°C	>91%	>230,000
40°C	>88%	>172,000
50°C	>86%	>142,000

NOTE: Maintenance data applies to the highest drive current and represents the worst case at the highest wattage.

COLOR TEMPERATURE

Color Temperature (CCT)	CRI (Nominal)	Multiplier
4000	70	1.00
3000	80	0.91

MINIMUM AMBIENT TEMPERATURE

Lumen Package	Temperature
B1	-40°C
B2	-35°C
B3	-35°C
B4	-40°C
All DALI powered lumen packages	-20°C

ORDERING INFORMATION

Sample Number: ARB-B2-LED-D1-T2-GM

Product Family [1, 2]	Lumens [3]	Lamp Type	Voltage	Distribution	Color
ARB=Arbor Post Top	**B1**=Nominal 2,300 Lumens **B2**=Nominal 4,500 Lumens **B3**=Nominal 8,500 Lumens **B4**=Nominal 9,500 Lumens [4]	**LED**=Solid State Light Emitting Diodes	**D1**=Dimming Driver (120-277V) **347**=347V [5] **480**=480V [5, 6]	**T2**=Type II **T3**=Type III **T4**=Type IV **T5**=Type V	**AP**=Grey **BZ**=Bronze **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White **CC**=Custom Color [7]

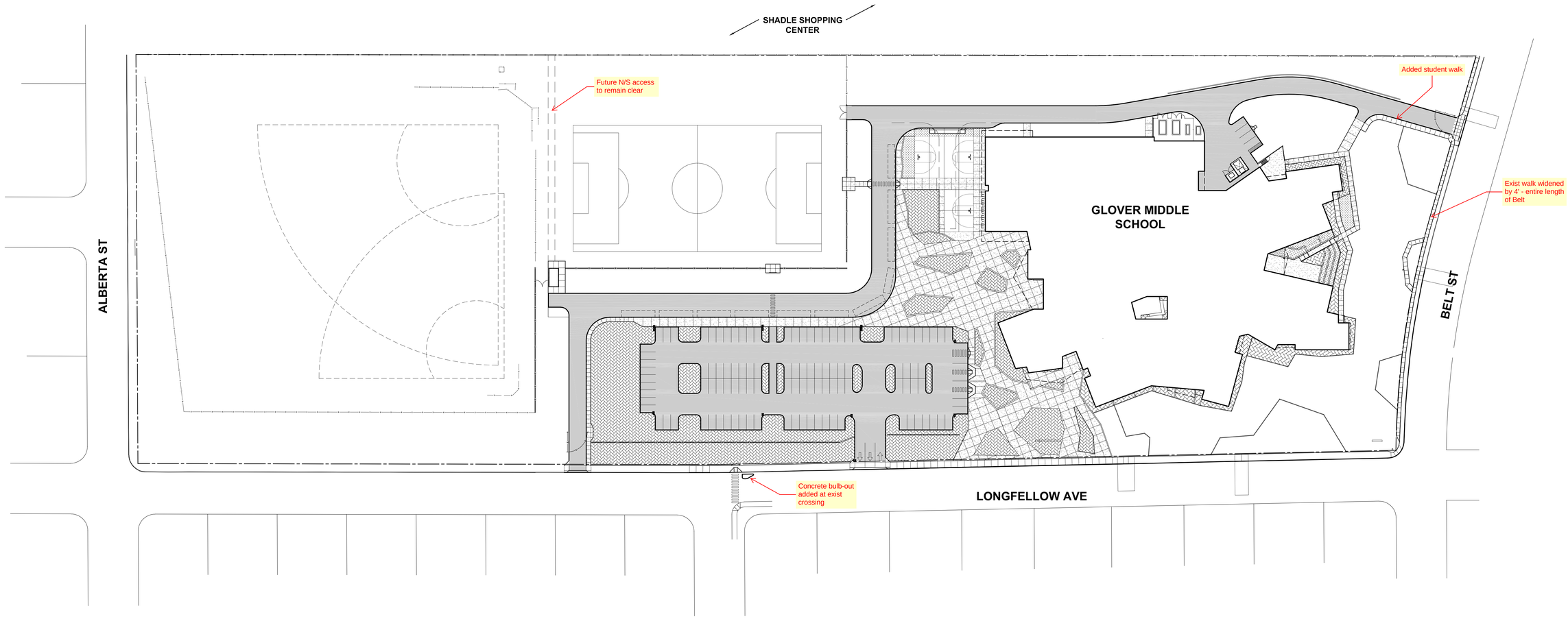
Options (Add as Suffix)

7030=70 CRI / 3000K CCT [8]
8030=80 CRI / 3000K CCT [8]
PC=Button Type Photocontrol
PER=NEMA 3-PIN Twistlock Photocontrol Receptacle
PER7=NEMA 7-PIN Twistlock Photocontrol Receptacle
HA=50°C High Ambient Temperature [9]
MS-L08=Photo/Motion Sensor for ON/OFF Operation, Maximum 8' Mounting Height [10, 11]
MS-L20= Photo/Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height [10, 11]
MS-L40W=Photo/Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height [10, 11]
MS/DIM-L08=Photo/Motion Sensor for Dimming Operation, Maximum 8' Mounting Height [10, 11]
MS/DIM-L20=Photo/Motion Sensor for Dimming Operation, 9' - 20' Mounting Height [10, 11]
MS/DIM-L40W=Photo/Motion Sensor for Dimming Operation, 21' - 40' Mounting Height [10, 11]
ZW=Wavelinx-enabled 4-PIN Twistlock Receptacle [10, 11, 12, 13]
ZW-SWPD4WH=Wavelinx Wireless Sensor, 7' - 15' Mounting Height, White [10, 11, 12, 13]
ZW-SWPD4BZ=Wavelinx Wireless Sensor, 7' - 15' Mounting Height, Bronze [10, 11, 12, 13]
ZW-SWPD5WH=Wavelinx Wireless Sensor, 15' - 40' Mounting Height, White [10, 11, 12, 13]
ZW-SWPD5BZ=Wavelinx Wireless Sensor, 15' - 40' Mounting Height, Bronze [10, 11, 12, 13]
LWR-LW= LumaWatt Pro Wireless Sensor, Wide Lens for 8' - 16' Mounting Height [10, 14]
LWR-LN=LumaWatt Pro Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height [10, 14]
5LTD=Fifth Light Dali Driver [10, 15]
DIM=0-10V External Dimming Leads [10, 16]
VS=Tempered Glass Vandal Shield

Accessories (Order Separately) [17]

ARSA-XX=Single Pole Mount Arm [18]
ARWM-XX=Wall Mount Arm
ARTA15-XX=Twin Mount Bracket [18]
ARPA4-XX=Pole Adapter 4" O.D. Pole
FSIR-100=Wireless Configuration Tool for Occupancy Sensor [19]
SWPD4-WH=Wavelinx Wireless Sensor, 7' - 15' Mounting Height, White [13, 20]
SWPD4-BZ=Wavelinx Wireless Sensor, 7' - 15' Mounting Height, Bronze [13, 20]
SWPD5-WH=Wavelinx Wireless Sensor, 16' - 40' Mounting Height, White [13, 20]
SWPD5-BZ=Wavelinx Wireless Sensor, 16' - 40' Mounting Height, Bronze [13, 20]
WOLC-7P-10A=Wavelinx Outdoor Control Module (7-PIN) [10, 21]

NOTES:
1. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional information.
2. Fixture slipfits over standard 2-3/8" tenon. 3" O.D. tenon when used with a ARPA4-XX 4" O.D. pole adapter.
3. Standard 4000K CCT, nominal 70CRI.
4. B4 only available with Type V distribution.
5. Requires the use of a step down transformer.
6. Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems).
7. Custom and RAL color matching available upon request. Consult your lighting representative at Eaton for more information.
8. Extended lead times apply. Use dedicated IES files when performing layouts. These files are published on the Arbor luminaire product page on the website.
9. Not available with B3 lumen package in Type II, III, or IV distributions.
10. Controls system is not available with photocontrol (PC), photocontrol receptacle (PER or PER7), or other controls systems (MS, ZW, LWR, 5LTD, or DIM).
11. Not available with HA option.
12. Sensor passive infrared (PIR) may be overly sensitive below -20°C (-4°F).
13. In order for device to be field-configurable, requires WAC Gateway components WAC-POE and WPOE-120 in appropriate quantities. Only compatible with WaveLinx system and software and requires system components to be installed for operation. See website for more WaveLinx application information.
14. LumaWatt Pro wireless sensors are factory installed and require network components LWP-EM-1, LWP-GW-1, and LWP-PoE8 in appropriate quantities. See website for LumaWatt Pro application information.
15. Only available in B1 and B2 lumen packages.
16. Low voltage control leads brought 18" outside fixture.
17. Replace XX with paint color.
18. Fits on 3" O.D. x 4" long tenon for nominal 4-1/2" O.D. pole top.
19. This tool enables adjustment to Motion Sensor (MS) parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative for more information.
20. Requires Wavelinx-enabled 4-PIN twistlock receptacle (ZW) option.
21. Requires 7-PIN NEMA twistlock photocontrol receptacle (PER7) option.



SITE PLAN LEGEND

- GENERAL EXTENT OF CONTRACT
- SEE LANDSCAPE
- CONCRETE
- ASPHALT PAVING

NOTE: SEE SPECIFICATIONS & CIVIL DRAWINGS FOR COMPLETE ROAD PROFILES, TYP

N

OVERALL SITE PLAN

Scale: 1" = 50'-0"

XSITE

REVISIONS

SPOKANE PUBLIC SCHOOL DISTRICT NO. 81

GLOVER MIDDLE SCHOOL

2404 W LONGFELLOW AVE, SPOKANE, WA 99205

NAC ARCHITECTURE
nacarchitecture.com
1203 WEST RIVERSIDE AVENUE
SPOKANE WA 99201
P:509.838.8240

NAC NO.	111-19027
DRAWN	TDB
CHECKED	KJ
DATE	1/7/2020

OVERALL SITE PLAN

A1.02

DESIGN REVIEW BOARD FILE NO.DRB 1919

Glover Middle School

1 - Program Review/Collaborative Workshop

Design Review Staff Report September 19, 2019

Staff:
Dean Gunderson, Senior Urban Designer

Taylor Berberich, Urban Designer

Neighborhood & Planning Services
808 W. Spokane Falls Blvd.
Spokane, WA 99201

Applicants:
Kris Jeske, AIA
NAC Architecture

Spokane School District

Design Review Board Authority

Spokane Municipal Code Chapter 04.13 Design Review Board
A. Purpose. The design review board is hereby established to:
1. improve communication and participation among developers, neighbors and the City early in the design and siting of new development subject to design review under the Spokane Municipal Code;
2. ensure that projects subject to design review under the Spokane Municipal Code are consistent with adopted design guidelines and help implement the City's Comprehensive Plan.
3. advocate for the aesthetic quality of Spokane's public realm;
4. encourage design and site planning that responds to context, enhances pedestrian characteristics, considers sustainable design practices, and helps make Spokane a desirable place to live, work and visit.
5. provide flexibility in the application of development standards as allowed through development standard departures; and
6. ensure that public facilities and projects within the City's right of way:
    a. wisely allocate the City's resources,
    b. serve as models of design quality

Under SMC **Section 17G.040.020 Design Review Board Authority**, all public projects or structures are subject to design review. Recommendations of the Design Review Board must be consistent with regulatory requirements per Section 17G.040.080 **Design Review Board**

Advisory Actions.
Advisory Actions of the Design Review Board will be forwarded to the Planning Director, Development Services, and the chair of the affected Neighborhood Councils.

Project Description

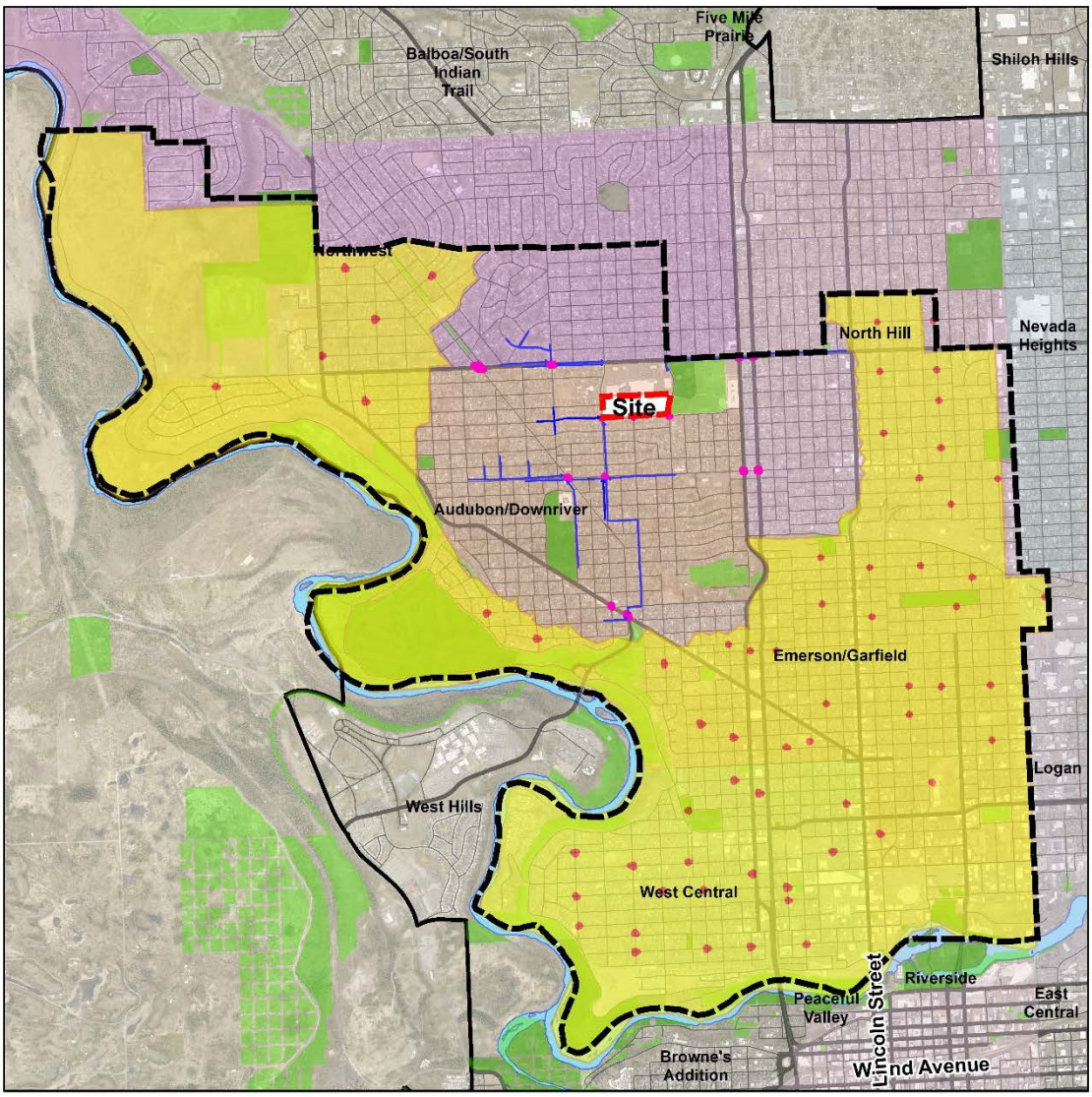
Please see applicant's submittal information.

Location & Context

The site is located at 2404 W Longfellow Avenue in the Audubon/Downriver neighborhood. The Shadle Shopping Center is located along the entire north boundary, and single family residential borders the site to the west and south. Shadle Park and Shadle High School are located across Belt Street to the east. The nearest STA bus stops are along Wellesley Avenue (at Wellesley and Alberta and Wellesley and Belt) and service the 33 bus line. Belt Street is a designated city bike route on the Spokane Regional Bike Map, specifically a commuter/recreation route. The school draws students from six of Spokane's neighborhoods- Audubon/Downriver, Emerson-Garfield, Logan, Nevada Heights, Northwest, Riverside, and West-Central.

It should be noted that the Audubon/Downriver neighborhood is currently developing their neighborhood plan, which envisions an extensive redevelopment of the Shadle Area.

Map 1- Greater Vicinity (Glover Attendance Boundary)



REGIONAL VICINITY – GLOVER SERVICE AREA

Legend

Glover Middle School Service Area

Transporation Modes

District 81 Recommended Walking Route

Crosswalks

School Bus Stops

School Busing Area

Neighborhoods

Audubon/Downriver

Emerson/Garfield

Logan

Nevada Heights

North Hill

Northwest

Riverside

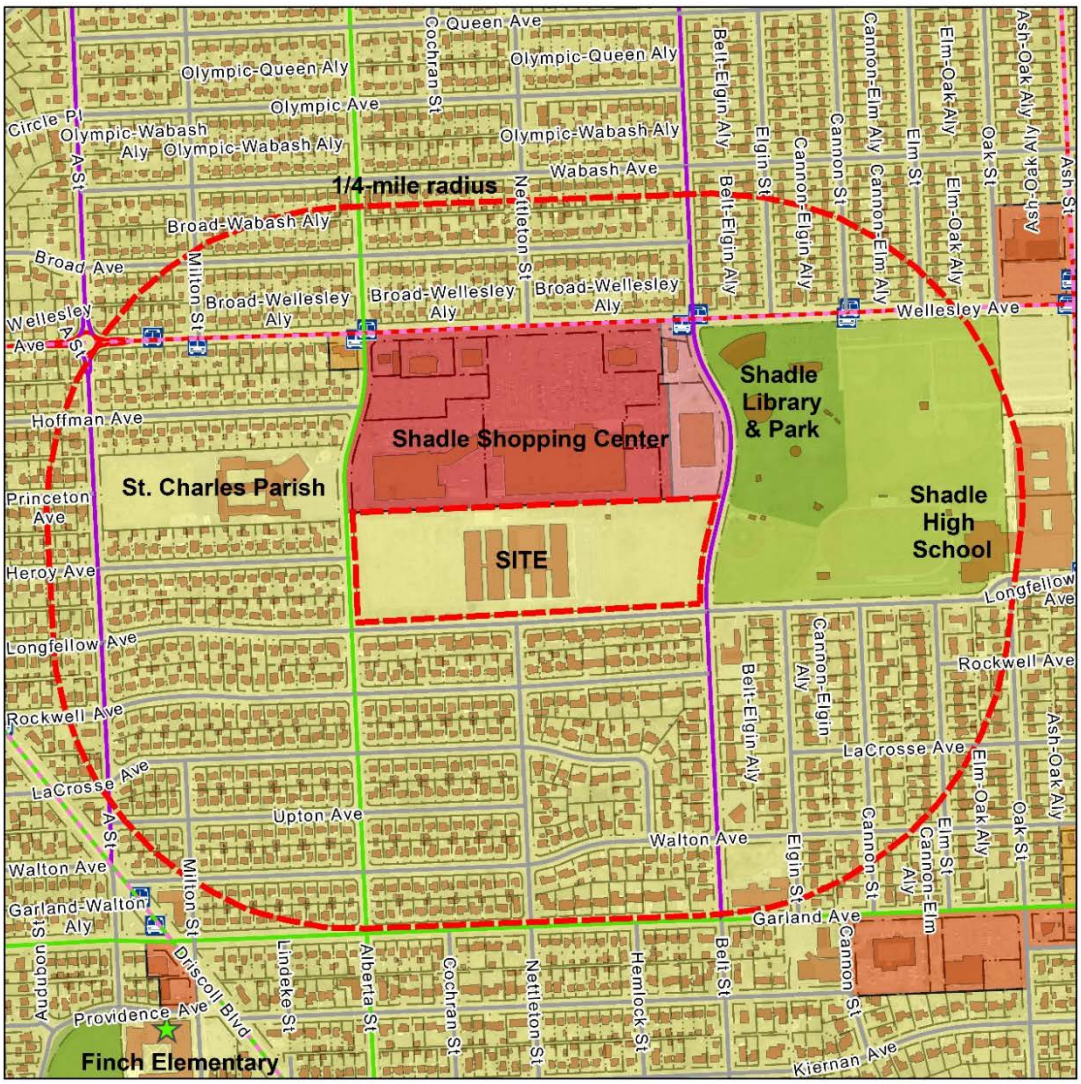
West Central

City Park/Land

N W E S

0 0.5 1 2 Miles

Map 2- Area Context (Quarter Mile Radius)



LOCAL VICINITY - GLOVER MIDDLE SCHOOL

Legend

- Parcel
- STA Bus Route
- STA Bus Stop
- Historic Property
- Existing Building
- City Park
- City Owned Property

City Zoning

- Center and Corridor Type 1
- Center and Corridor Type 2
- Neighborhood Retail
- Office
- Office Retail
- Residential Single-Family

City Street Classification

- Principal Arterial
- Minor Arterial
- Collector Arterial
- Local Access Street

N W E S

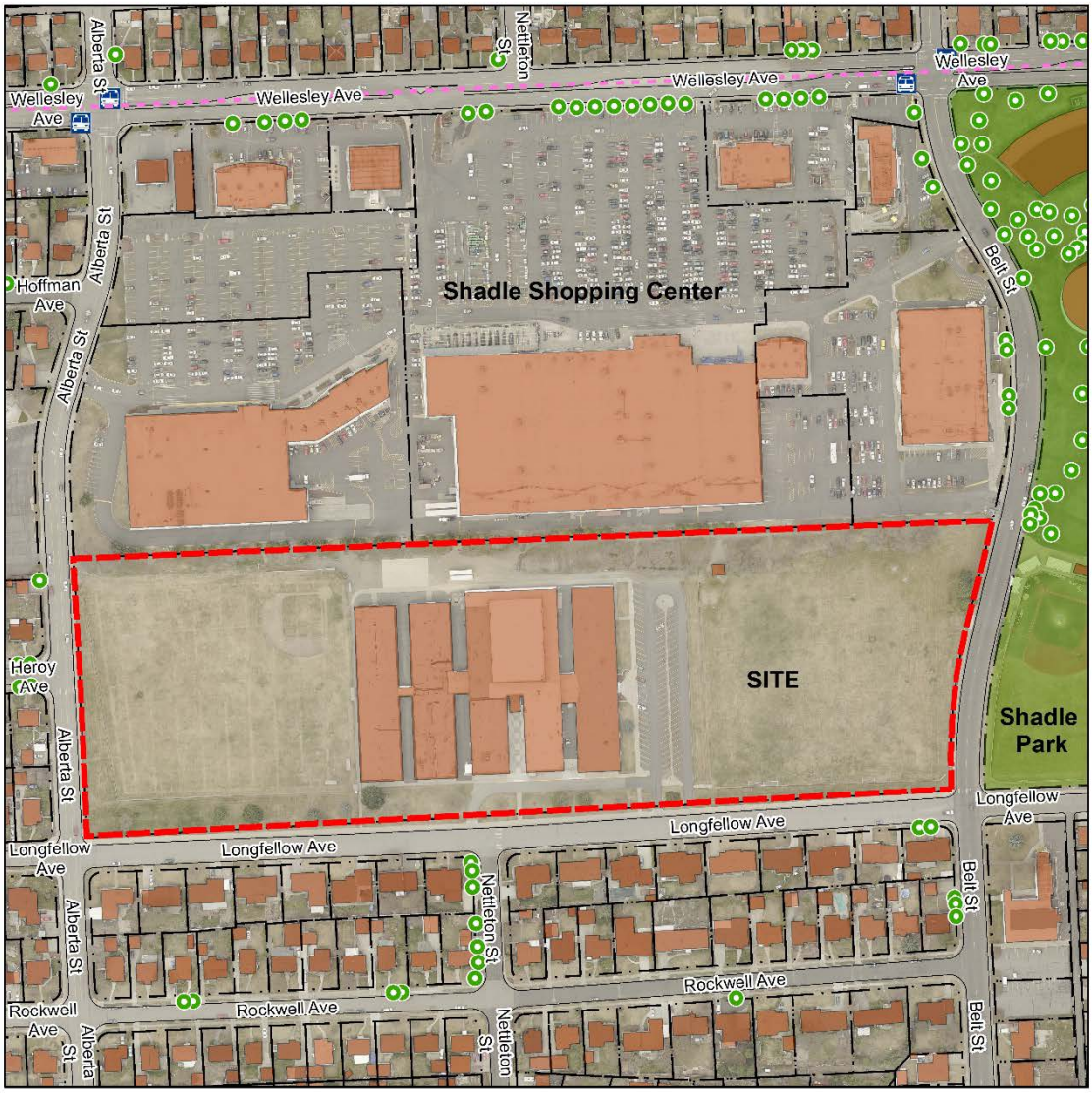
0 330 660 1,320 Feet

Character Assets

The site is generally flat, with a sharp grade change along the north edge between the school and the shopping center and a gradual slope towards Alberta Street to the south and west. Belt Street is a collector arterial, Longfellow Avenue is a local access street (with the only continuous public sidewalk, running from Alberta to Belt), and Alberta Street is a minor arterial.

According to the Spokane Pedestrian Master Plan, the northeast corner of Shadle Park (adjacent of Wellesley) is considered a priority pedestrian area.

Map 3- Site Context



SITE CONTEXT – GLOVER MIDDLE SCHOOL

Legend

- STA Bus Route
- STA Bus Stop
- City Tree
- Existing Building
- City Park
- City Owned Property
- Parcel

N
W E
S

0 165 330 660 Feet

Regulatory Analysis

Zoning Code Requirements

The site is located in the Single Family Residential Zone. The applicant will be expected to meet zoning code requirements. Applicants should contact Current Planning Staff with any questions about these requirements.

Recommendations of the Design Review Board must be consistent with adopted regulations. The DRB may not waive any code requirements.

Please see the pre-development notes from City of Spokane Development Services, Spokane Health District, and City of Spokane Urban Forestry (attached at the end of this document).

Institutional Design Standards: Design standards in the code appear in the form of Requirements (R), Presumptions (P), and Considerations (C). Upon request of the applicant, the board may offer some flexibility from certain eligible code "design standards" if the board recommends that the proposed solution is equal or better than what is required, and still meets the purpose of the standard.

Section 17C.110.500 Design Standards Implementation:

The design standards and guidelines found in SMC 17C.110.510 through SMC 17C.110.565 and 17C.110.575 follow SMC 17C.110.500, Design Standards Administration. All projects must address the pertinent design standards and guidelines. Design standards are in the form of Requirements (R), Presumptions (P), and Considerations (C). Regardless of which term is used, an applicant must address each guideline. An applicant may seek relief through chapter 17G.030 SMC, Design Departures, for those eligible standards and guidelines contained in the zoning code.

SMC 17C.110.515 **Buildings Along the Street:** The applicant's narrative notes that there is no parking between the street and the building, however it does not address design standards 2 (windows and doors facing the street) and 3 (Gardens, plazas shall meet L3 landscaping requirements).

SMC 17C.110.520 **Lighting**: The applicant's submittal has indicated lighting will be provided in the parking lot, along pedestrian walkways and accessible routes of travel in accordance with this requirement. Special attention should be given to meeting the light pole height standards.

SMC 17C.110.525 **Landscaped Areas**: The applicant's narrative states the parking lot and required setbacks will meet the required L3 landscaping standards. The narrative does not mention perimeter landscaping-since the north property line faces the service area for the Shadle Shopping Center, L1 screening may be required to visually separate the two uses.

SMC 17C.110.530 **Street Trees:** The site will need to include separated sidewalks with a landscape strip, which will be impacted by the street tree landscaping requirements for this section.

SMC 17C.110.535 **Curb Cut Limitations:** the narrative states that curb cuts will not exceed 35 feet in width, however the maximum width allowed for curb cuts per this section is 30 feet. The purpose of this section is to "provide safe, convenient vehicular access without diminishing pedestrian safety." Since Longfellow Avenue is excessively wide (40 feet FOC-to-FOC) there may be an opportunity to enhance pedestrian safety through bulb-outs at Longfellow and Alberta as well as Longfellow and Belt. Pedestrian safety can also be addressed by separating the parent drop-off zone from the pedestrian crossing at Nettleton.

SMC 17C.110.540 **Pedestrian Connections in Parking Lots**: Since the proposed parking lot is over 30 stalls, it will need to include clearly defined pedestrian routes. There may be an opportunity to provide North/South sidewalks at the landscape islands, which would permit pedestrians to move to the wider sidewalk next to the Bus/Fire Drive.

SMC 17C.110.545 **Transitions between Institutional and Residential Development**: the code requires the structure to include two of the following- 1) Architectural Details (projecting sills, canopies, plinths, containers for seasonal plantings, tilework, or medallions), 2) Pitched Roof Form, 3) Windows, or 4) Balconies. At this stage, it appears that only one of these required elements has been met (item 3, Windows).

SMC 17C.110.560 **Massing**: The purpose of this section is "to reduce the apparent bulk of the buildings by providing a sense of 'base' and 'top.'" The current building may need to be revised to meet this provision.

City of Spokane Comprehensive Plan

Comprehensive Plan link

CHAPTER 1: LAND USE

LU 1 CITYWIDE LAND USE

LU 1.1 Neighborhoods: Utilize the neighborhood concept as a unit of design for planning housing, transportation, services, and amenities.

LU 1.12 Public Facilities and Services: Ensure that public facilities and services systems are adequate to accommodate proposed development before permitting development to occur.

LU 4 TRANSPORTATION

LU 4.1 Land Use and Transportation: Coordinate land use and transportation planning to result in an efficient pattern of development that supports alternative transportation modes consistent with the Transportation Chapter and makes significant progress toward reducing sprawl, traffic congestion, and air pollution.

LU 4.4 Connections: Form a well-connected network which provides safe, direct and convenient access for all users, including pedestrians, bicycles, and automobiles, through site design for new development and redevelopment.

LU 5 DEVELOPMENT CHARACTER

LU 5.1 Built and Natural Environment: Ensure that developments are sensitive to the built and natural environment (for example, air and water quality, noise, traffic congestion, and public utilities and services), by providing adequate impact mitigation to maintain and enhance quality of life.

LU 5.2 Environmental Quality Enhancement: Encourage site locations and design features that enhance environmental quality and compatibility with surrounding land uses.

LU 6 ADEQUATE PUBLIC LANDS AND FACILITIES

LU 6.1 Advance Siting: Identify, in advance of development, sites for parks, open space, wildlife habitat, police stations, fire stations, major stormwater facilities, schools, and other lands useful for public purposes.

LU 6.2 Open Space: Identify, designate, prioritize, and seek funding for open space areas.

LU 6.3 School Locations: Work with the local school districts to identify school sites that are located to serve the service area and that are readily accessible for pedestrians and bicyclists.

LU 6.4 City and School Cooperation: Continue the cooperative relationship between the city and school officials.

LU 6.5 Schools as a Neighborhood Focus: Encourage school officials to retain existing neighborhood school sites and structures because of the importance of the school in maintaining a strong, healthy neighborhood.

LU 6.9 Facility Compatibility with Neighborhood: Ensure the utilization of architectural and site designs of essential public facilities that are compatible with the surrounding area.

CHAPTER 4: TRANSPORTATION

TR GOAL A: PROMOTE A SENSE OF PLACE: Promote a sense of community and identity through the provision of context-sensitive transportation choices and transportation design features, recognizing that both profoundly affect the way people interact and experience the city.

TR GOAL B: PROVIDE TRANSPORTATION CHOICES: Meet mobility needs by providing facilities for transportation options – including walking, bicycling, public transportation, private vehicles, and other choices.

TR GOAL C: ACCOMMODATE ACCESS TO DAILY NEEDS AND PRIORITY

DESTINATIONS: Promote land use patterns and construct transportation facilities and other urban features that advance Spokane's quality of life.

TR GOAL E: RESPECT NATURAL & COMMUNITY ASSETS: Protect natural, community, and neighborhood assets to create and connect places where people live their daily lives in a safe and healthy environment.

TR GOAL F: ENHANCE PUBLIC HEALTH & SAFETY: Promote healthy communities by providing and maintaining a safe transportation system with viable active mode options that provides for the needs of all travelers, particularly the most vulnerable users.

TR 1 Transportation Network For All Users: Design the transportation system to provide a complete transportation network for all users, maximizing innovation, access, choice, and options throughout the four seasons. Users include pedestrians, bicyclists, transit riders, and persons of all abilities, as well as freight, emergency vehicles, and motor vehicle drivers. Guidelines identified in the Complete Streets Ordinance and other adopted plans and ordinances direct that roads and pathways will be designed, operated, and maintained to accommodate and promote safe and convenient travel for all users while acknowledging that not all streets must provide the same type of travel experience. All streets must meet mandated accessibility standards. The network for each mode is outlined in the Master Bike Plan, Pedestrian Master Plan, Spokane Transit's Comprehensive Plan, and the Arterial Street map.

TR 2 Transportation Supporting Land Use: Maintain an interconnected system of facilities that allows travel on multiple routes by multiple modes, balancing access, mobility and place-making functions with consideration and alignment with the existing and planned land use context of each corridor and major street segment.

TR 5 Active Transportation: Identify high-priority active transportation projects to carry on completion/upgrades to the active transportation network.

TR 7 Neighborhood Access: Require developments to have open, accessible, internal multi-modal transportation connections to adjacent properties and streets on all sides.

TR 14 Traffic Calming: Use context-sensitive traffic calming measures in neighborhoods to maintain acceptable speeds, manage cut-through traffic, and improve neighborhood safety to reduce traffic impacts and improve quality of life.

TR 20 Bicycle/Pedestrian Coordination: Coordinate bicycle and pedestrian planning to ensure that projects are developed to meet the safety and access needs of all users.

CHAPTER 8: URBAN DESIGN AND HISTORIC PRESERVATION

DP 1 PRIDE AND IDENTITY

DP 1.2 New Development in Established Neighborhoods: Encourage new development that is of a type, scale, orientation, and design that maintains or improves the character, aesthetic quality, and livability of the neighborhood.

DP 2 URBAN DESIGN

DP 2.3 Design Standards for Public Projects and Structures: Design all public projects and structures to uphold the highest design standards and neighborhood compatibility.

DP 2.4 Design Flexibility for Neighborhood Facilities: Incorporate flexibility into building design and zoning codes to enable neighborhood facilities to be used for multiple uses.

DP 2.6 Building and Site Design: Ensure that a particular development is thoughtful in design, improves the quality and characteristics of the immediate neighborhood, responds to the site's unique features - including topography, hydrology, and microclimate - and considers intensity of use.

DP 2.15 Urban Trees and Landscape Areas: Maintain, improve, and increase the number of street trees and planted areas in the urban environment.

CHAPTER 9: NATURAL ENVIRONMENT

NE 12 URBAN FOREST

NE 12.1 Street Trees: Plant trees along all streets.

NE 13 CONNECTIVITY

NE 13.1 Walkway and Bicycle Path System: Identify, prioritize, and connect places in the city with a walkway or bicycle path system.

NE 13.2 Walkway and Bicycle Path Design: Design walkways and bicycle paths based on qualities that make them safe, functional, and separated from automobile traffic where possible.

CHAPTER 11: NEIGHBORHOODS

N 2 NEIGHBORHOOD DEVELOPMENT

N 2.1 Neighborhood Quality of Life: Ensure that neighborhoods continue to offer residents transportation and living options, safe streets, quality schools, public services, and cultural, social, and recreational opportunities in order to sustain and enhance the vitality, diversity, and quality of life within neighborhoods.

N 4 TRAFFIC AND CIRCULATION

N 4.1 Neighborhood Traffic Impact: Consider impacts to neighborhoods when planning the city transportation network.

N 4.2 Neighborhood Streets: Refrain, when possible, from constructing new arterials that bisect neighborhoods and from widening streets within neighborhoods for the purpose of accommodating additional automobiles.

N 4.3 Traffic Patterns: Alter traffic patterns and redesign neighborhood streets in order to reduce non-neighborhood traffic, discourage speeding, and improve neighborhood safety.

N 4.5 Multimodal Transportation: Promote a variety of transportation options to reduce automobile dependency and neighborhood traffic.

N 4.6 Pedestrian and Bicycle Connections: Establish a continuous pedestrian and bicycle network within and between all neighborhoods.

N 5 OPEN SPACE

N 5.3 Linkages: Link neighborhoods with an open space greenbelt system or pedestrian and bicycle paths.

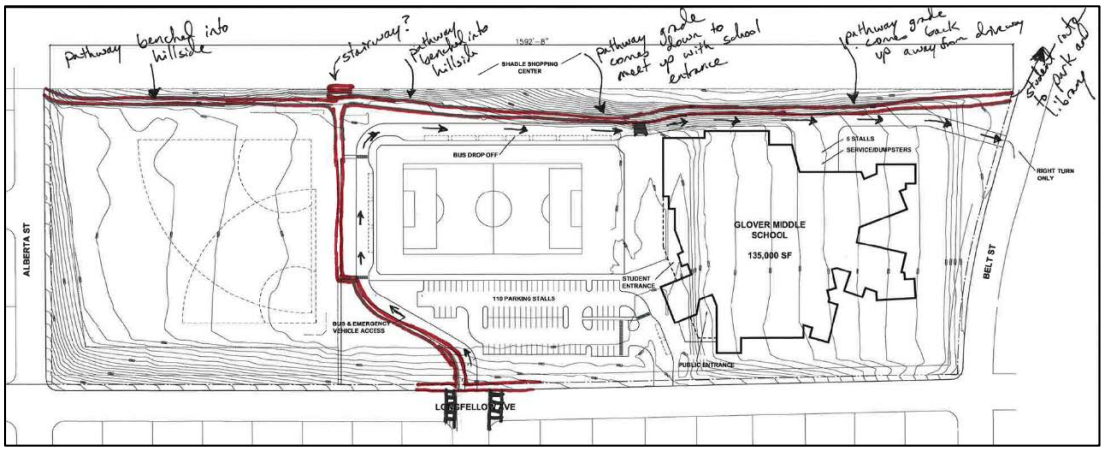
Topics for Discussion:

Staff have prepared topics for discussion for the September 25th collaborative workshop. (Applicant's responses to the topics are in *red*, Staff comments are in *blue*):

Neighborhood

1. Is there an opportunity to establish safe pedestrian and micro-mobility routes between the school, the surrounding neighborhood, Shadle Park, Shadle Library, and the Shadle Shopping Center?

2. Is there an opportunity to work with the Shadle Planning efforts to ensure the proposed pedestrian improvements tie into Glover Middle School's pedestrian and bicycle routes?

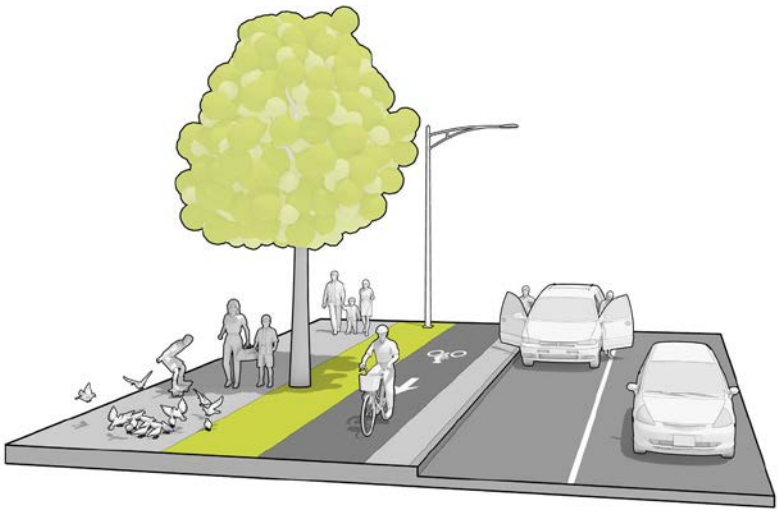


Shadle Sub-Area Planning - Proposed Neighborhood Connections

i. *Applicant Response: A major concern of the school and the school district is safety and security. This is a board priority. Unfortunately, it is not possible secure a school site if pedestrian and micro-mobility pathways are available through the school site. Shadle Park is a wonderful amenity. But it also draws a significant amount of undesirable activities that are of great concern to staff and administration. The Shadle Shopping area brings similar activities up to the site's edge in close proximity to school children. There is a clear need to secure the site.*

ii. *Further Staff Comments: Referencing the Facility Design Principles: For Spokane Public Schools New Middle Schools (Page 32) submitted by the applicant, "**Community**: The new middle school facilities should support a variety of community layers. They should support the greater needs of the entire Spokane community through programs, access, and support. They should support the specific needs of the neighborhood in which they reside. Reinforcing its unique characteristics and needs."*

3. Is there an opportunity to coordinate with SRTC and the City of Spokane Bicycle Advisory Board to improve the bicyclist experience along Belt Street, given its designation as a commuter/recreation bicycle route? (Please see below for recommended configuration)



Proposed Belt Street Improvements for Pedestrians and Cyclists.

Site

4. Is there an opportunity to establish a landscape buffer between the school and the commercial use to the north of the site?

i. *Applicant Response: There is a significant grade change between the Shadle shopping area to the north and the Glover site. This grade change alone obscures views to the Shadle shopping area. Shadle Park and the Shadle shopping area are very prone to undesirable activities. CPTED principles would discourage providing additional areas for unwanted activities to occur unnoticed. Extensive planting on this steep hillside would be a maintenance issue. The proposed design is to simply plant the hillside with dryland grass for easy maintenance with possible addition of a few trees.*

The elevations in the submitted drawings show windows on the south and east elevations facing Longfellow and Belt Streets. The landscape plan shows, and the design narrative says, the landscape buffers as required by code will be incorporated into the project including at all setbacks and within the parking lot. Please let us know if there are additional requirements beyond those shown on the submitted landscape plan.

ii. *Further Staff Comments: Does the board feel the proposed landscaping along the north boundary (adjacent to the Shadle Shopping Center) is sufficient?*

5. Is there an opportunity to improve the pedestrian experience along the adjacent streets, through additions such as improved sidewalks and street trees?

    i. *Applicant Response: The pedestrian experience along Belt and Longfellow adjacent to the new building and parking will be significantly improved for pedestrians with the addition of the L2 and L3 landscape buffers and trees as shown on the planting plan in the application.*

6. Is there an opportunity to improve pedestrian safety at intersections and mid-block crossings?

7. Is there an opportunity to improve pedestrian connections in the parking lot, such as adding a north/south sidewalk through the landscape islands?

    i. *Applicant Response: The design team will study adding north/south pedestrian connections within the parking lot for the final DRB meeting.*

8. What provisions for micro-mobility parking (bicycles and scooters) can be provided on site?

    i. *Applicant Response: Bike racks will be provided in the Student Entry Plaza.*

Additional Site Comments from Applicant:

[Regarding] Street Trees: We'd like to continue this conversation with the City of Spokane. It was our understanding from the Pre-development meeting that street trees would not be required at parent drop-off curb areas which will occur along Longfellow. Evergreen and deciduous trees will be incorporated into the landscape between the sidewalk and building to accentuate the design vocabulary of the building and to provide a transition to the adjacent neighborhood. Locating the trees within the landscape without the restriction of the planter strip provides an opportunity add larger, longer living trees to the urban forest over time. We also understood the city was willing to consider not removing and replacing existing perimeter sidewalks along Belt. A mature grouping of ponderosa pine trees at the northeast corner of the site along belt are planned to be preserved and protected. This grouping of pines serves as an example of the approach to tree plantings that the design team is developing. There are no upgrades to the frontage along Alberta so we were not anticipating any work to the west edge of the site.

Further Staff Comment: Per the notes from Urban Forestry at the July 5th Pre-development meeting (included in the board packet), street trees are required as follows: "New street trees will be required along the frontage of Longfellow, and may be required along Belt St also, whether the existing trees are removed or retained to screen the parking lot and bring the site up to code conformance. In planting strips that are 5-8' wide, a Class II tree species is required. In areas wider than 8', a Class III tree species is required. Please choose from the appropriate class of trees on the City of Spokane Approved Street Tree List and include the species on your landscape plans for review."

[Regarding] Curb Cut Limitations: We will meet the requirement of not having curb cuts exceed 30 feet wide.

Building

9. Has the applicant provided design details equal to or better than the criteria stated for SMC 17C.110.545 Transitions between Institutional and Residential Development? (The applicant has met one of the criteria (windows) where the provision calls for the project to meet two.

    i. *Applicant Response: It appears we responded incorrectly to this requirement in our previous application. We believe the design as presented in the report meets these requirements by 1) stepping the building mass such that a significant portion of the building facing Longfellow is only 1-story, 2) incorporating large amounts of window area, 3) incorporating the concept of either "tile work" or "medallions" by introducing colored*

accent panels in a manner that is true to the design metaphor of the "Bowl and Pitcher", and 4) incorporates canopies at the main entrance and at the ends of the academic neighborhoods. Lastly it should be noted the building's location on site exceeds the minimum required setbacks to ease the transition to the residential neighborhood across Longfellow, a broader than normal street.

ii. *Further Staff Comment: Given this information, can the board provide any further advice on how the design may further meeting the requirement of this design standard (e.g. is an excess setback preferable)?*

Additional Building Comments from Applicant:

[Regarding] Massing: The SMC language regarding base, middle and top is a presumption, not a requirement. We believe the design as presented is better than the SMC presumption of providing a base, middle and top and ask for the DRB's review and agreement on this issue.

- *The concept desired by the school staff was to create a sense of discovery which the design team then translated in the architectural metaphor of the "Bowl and Pitcher" as outlined in detail in the original application.*
- *The Bowl and Pitcher metaphor provides wonderful architectural opportunities to create a sculpted, varied, colorful and exciting building. The Bowl and Pitcher concept does not lend itself to references of historic architecture that are expressly proposed and illustrated in the presumption of providing a base, middle and top.*
- *The exterior design submitted has been developed as a series of darker "boulder" masses mixed with lighter masses as background.*
- *The SMC Standard states the purpose is to "reduce the apparent bulk of buildings…" The building's mass as submitted is anything but bulky due to its many different rotated masses, varied colors, extensive windows, and additive canopies.*

Further Staff Comment: It isn't staff's assertion that the proposed building assemblage's top lacks a "distinct outline", rather that its ground level lacks a "distinct base". It should be noted that per the city's Unified Development Code (SMC 17G.030.010 Design Departures and SMC 17G.030.020 Applicable Standards) a Design Departure would be required to modify or waive either a design Requirement (R) or a design Presumption (P).

Note

The recommendation of the Design Review Board does not alleviate any requirements that may be imposed on this project by other City Departments including the Current Planning Section of Planning and Development Services.

Policy Basis

Spokane Municipal Codes
City of Spokane Comprehensive Plan

Planning and Development
www.spokanecity.org

Pre-Development Conference Notes

Project Name: Glover Middle School Replacement

To: Kris Jeske
NAC Architecture
1203 W Riverside
Spokane, WA 99201
kjeske@nacarchitecture.com

Phone: 838-8240

From: Mike Nilsson, Facilitator

Phone: 625-6323

Project Name: Glover Middle School Replacement
Permit No.: B19M0064PDEV
Site Address: 2404 W Longfellow
Parcel No.: 25012.0002
Meeting Date: Thursday, June 20, 2019

Thank you for attending a Pre-Development meeting with the City of Spokane. Below are notes summarizing the information that was presented to you at your meeting on Thursday, June 20, 2019. These notes are broken down into three sections:

Section 1: This section describes those proposed items specific to the building improvements with directives for code compliance addressed by the Building and Fire Departments as well as Spokane Regional Health District when warranted.
Section 2: This section describes all issues outside of the building within the property boundaries including landscaping, parking requirements and accessibility, utilities, traffic, and refuse addressed by Planning, Engineering, Traffic, and Solid Waste Departments.
Section 3: This section contains information for permit submittal, our intake process, and general information.

Please be advised that these notes are non-binding and do not constitute permit review or approval. The comments were generated based on current development standards and information provided by the applicant; therefore, they are subject to change. Comments on critical items will be highlighted in **bold** text.

Project Information:

A. Project Description: New/replacement middle school.
B. Scope and Size: The scope of work is a new middle school building with one floor and no basement.
C. Special Considerations: SEPA (in progress-school district lead), CUP, Design Review.
D. Estimated Schedule: Construction Spring 2020-Summer 2021
E. Estimated Construction Cost: $43,500,000

Section 1 – Comments Specific to the Building

Dean Giles - Building Plans Examiner (625-6121):

1. A Non Residential Energy Code (NREC) review is required
2. **SEPA is required.**
3. Contact SRCAA regarding the demolition of the existing building and abatement requirements. A Demolition permit is required.
4. Structural design must use Risk Category III
5. Kitchen design will have special considerations, such as Type 1 hoods.
6. The buildings must be accessible for persons with disabilities. An accessible path, including restroom areas, is required from the public way, to parking, to the entry, to all primary function areas.
7. Provide safeguards during construction per IBC Chapter 33

Tami Palmquist – Associate Planner (625-6157):

1. Development Standards:
    a. Front yard setback: 15 feet from front property line
    b. Side yard setback: 5 feet
    c. Rear yard setback: 25 feet
    d. Lot Coverage: 2,250 sq. ft. +35% for portion of lot over 5,000 sq. ft.
    e. FAR: 0.5
2. Design Standards: Per *SMC 17C.110.500*
   This project must address Institutional Design Standards. Please refer to *17C.120.500* for institution design standards, which address:
    1. Transition between Institutional and Residential Development
    2. Buildings Along the Street
    3. Lighting
    4. Treatment of Blank Walls
    5. Prominent Entrances
    6. Massing
    7. Roof Form
    8. Historic Context Considerations
    9. Screening

Dave Kokot – Fire Prevention Engineer (625-7056):

1. The scope of work is a new middle school building with one floor and no basement.
2. The total area of the project is approximately 135,000 square feet. The occupancy is E. The construction type was not noted, and is assumed to be Type IIA.
3. Construction and demolition shall be conducted in accordance with IFC Chapter 33 and NFPA 241.
4. The building will be required to be provided with fire sprinklers. (IFC 903)
5. Where the highest occupied floor level is more than 30 feet above the lowest lever of Fire Department access, Class I standpipes are required in each stairwell (IFC 905 amended by SMC 17F.080.030.B.11). Multiple standpipes in a building shall be connected to a common Fire Department connection (IFC 905 amended by SMC 17F.080.030.B.11) and no more than 150 feet from a fire hydrant along an acceptable path of travel (SMC 17F.080.310). A minimum of one outlet is required on the roof (IFC 905.4). The standpipe outlet pressure at the roof manifold shall be at least 100 PSI provided by a building fire pump for buildings exceeding 5 floors in height above the lowest level of Fire Department access (IFC 905.2 amended with SMC 17F.080.480).

6. An emergency voice/alarm system is required for this building (IFC 907 amended with SMC 17F.080.110).
7. Smoke and carbon monoxide detection is required in classrooms.
8. Duct smoke detectors (if required) shall be wired to a supervisory zone only, not an alarm-initiating zone, as per Spokane Fire Department policy and as provided in NFPA 90A. The codes require duct detection only on return air.
9. The Fire Department requires annual operating permits for specific operations for buildings and sites in accordance with Section 105 of the Fire Code.
10. Where a kitchen is provided with equipment that will produce grease vapors, a Class I kitchen hood is required and will be protected with a wet-chemical suppression system (IFC 609.2). In addition, a Class K fire extinguisher will be located no more than 30 feet from the area of grease cooking (IFC 906.1). The type of equipment that is considered to generate grease vapors is established by the International Mechanical Code.
11. Carbon dioxide systems are required to be reviewed and permitted with the Fire Department if the system has more than 100 pounds of CO2.
12. Fire extinguishers are required for A, B, E, F, H, I, M, R-1, R-2, R-3 and S occupancies in accordance with IFC 906 – Table 906.3(1).
13. Address numbers or other approved signs are required to be provided on the building in a visible location (IFC 505).
14. If the building is equipped with a fire protection system, a Fire Department key box will be required (IFC 506).

Eric Meyer – Spokane Regional Health District (324-1582):
Please see attached letter.

Section 2 – Comments Specific to the Site

Tami Palmquist – Associate Planner (625-6157):

1. **A Type II Conditional Use Permit for the new school will be required to be approved prior to any construction.**
2. **Design Review will be required prior to building permit submittal**
3. Landscaping and Sidewalks:
    a. Separated Sidewalk with planting zone are required. We can take a look at keeping the existing sidewalks in the loading zone areas.
    b. Sidewalks, including interior pathways, shall have the minimum dimension of five feet. This dimension shall be applied to the clear, unobstructed pathway between the planting zone for street trees per SMC 17C.200.050 and building facades or parking lot screening.
    c. Irrigation is required as per *17C.200.100.*
    d. A six-foot wide planting area of L2 landscaping, including street trees as per 17C.200.050 are required along street frontages.
    e. Building setbacks and all other portions of a site not covered by structures, hard surfaces, or other prescribed landscaping shall be planted in L3 open area landscaping until the maximum landscape requirement threshold is reached (see *SMC 17C.200.080*).
4. Parking:
    a. Please show parking calculations on your building plans when you submit for permit. Minimum and Maximum parking ratios are per *SMC 17C.230*.

i. Minimum Ratio for junior high schools: one parking stall per classroom

ii. Maximum Ratio for junior high schools: 2.5 parking stalls per classroom

5. Any new fencing will require a separate permit.

Patty Kells – Traffic Engineering Assistant (625-6447):

1. With 110 parking stalls proposed for the parking lot, two driveway approaches are needed for ingress and egress. The bus and emergency vehicle driveway approach must be relocated so it is not directly aligned with Nettleton St. Driveways must be offset to any intersection to avoid conflicts in the intersection. With this approach relocated, this can open an area for a second driveway approach for the parking lot. The bus/emergency driveway approaches must be signed "Enter Only' and "Exit Only" appropriately for the one way direction of this access.
2. The plans submitted for this meeting do not show any crosswalks for safe routes to the school. A separate signing/striping plan for all existing and proposed signage is required with the building plan review submittal.
3. Separation of the existing school and construction areas must be clearly defined and maintained throughout construction.
4. All required parking, landscaping and onsite stormwater designs must be within the property lines and not in the public right-of-way.
5. Please dimension the parking stalls, accessible stalls and access aisles, travel lanes and driveway approaches on the site plan.
6. With parking proposed onsite, the parking stalls must be striped to current City standards and accessible barrier free parking spaces and aisles are required and must be shown and comply with the current City of Spokane Standard Plan G-54 & B-80A. An accessible route of travel connecting to the nearest accessible building entrance and to the public sidewalk is required with a marked accessible route of travel. All barrier free spaces and aisles need to be drawn, referenced, and add as details on the plans per these standards. Note on the site plan the van-accessible stalls and the sign locations. The access aisle for van accessibility must be eight feet wide.
7. Adequate access and maneuvering for refuse/emergency vehicles is required per the City Standards and must be maintained during construction.
8. Maintain clear view at intersections, pedestrian ways, and driveways. Please add the clear view triangle to all intersection in both directions on the site and landscaping plans to verify any conflicts.
9. Pavement cut policy will be applicable. Confine illumination lighting to the site.
10. *"The City shall collect impact fees, based on the schedules in SMC 17D.075.180, or an independent fee calculation provided for in SMC17D.075.050, from any applicant seeking development approval from the City."* A transportation impact fee will be assessed for the difference in building size (28,863sf) of the existing (106,137sf) and proposed school (135,000sf) in the Northwest Service Area. The estimated fee is $7,948.58 + $238.46 admin fee = $8,187.04. This fee must be paid with the other permit fees prior to issuance of the building fee permit.

Mike Nilsson – Engineer (625-6323):

1. Nettleton is under a pavement cut moratorium until October 22, 2021. Alberta Street is designated as a Tier 3 roadway under the adopted Pavement Cut Policy.
2. Our records indicate existing school building is connected to a private sanitary sewer onsite. The private sewer system connects to the public sanitary main in Longfellow Avenue. There may be three sanitary connections to the public main based on the blueprint drawing dated 1957. Sewer cards were provided to the applicant.

3. A new commercial side sewer shall be at least six inches in diameter, have a minimum slope of two percent, and 3.5 feet of cover where vehicular traffic passes over, two feet minimum in other areas. Sewer and Water services separation requirements are 18 inches minimum vertical and five feet minimum horizontal. Sewer cleanouts shall be installed at every 100 feet and every angle 45 degrees or greater. See the City of Spokane Design Standards Section 4 for additional information on Sewers. Any abandoned sewers will need to be capped at the property line.
4. The proposed project is not within the General Facility Charge (GFC) Waiver Zone, so GFCs will be assessed for this project for new sewer/water service connections. GFC rates can be found in SMC 13.03.0732.
5. All storm water and surface drainage generated on-site must be disposed of on-site in accordance with SMC 17D.060.140 "Storm Water Facilities". Stormwater requirements can be found in the Spokane Regional Stormwater Manual (SRSM) and the City of Spokane Design Standards Section 6. In general, any new impervious surface will require a geotechnical site characterization (report) and drainage report/plan. Please include a detailed Site Plan or Civil Plans, which show and clearly delineate existing and proposed sewer, water, drainage structures, drywell types, swale bottom areas, and property lines. Show proposed and existing pavement. Geotechnical reports, drainage reports, and civil plans must be stamped and signed by an engineer licensed in the State of Washington.
6. Combining landscape and stormwater treatment areas per Eastern Washington Low Impact Development (LID) Guidance Manual is allowed. The link to DPE LID resources can be found at: https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Stormwater-permittee-guidance-resources/Low-Impact-Development-guidance
7. Any drywells and subsurface drainage galleries (existing and proposed) for the site must be shown on the plans and registered with the Washington State Department of Ecology (DOE). Please send a copy of the completed registration form to the City of Spokane Development Services Center. See the following link at the Department of Ecology (DOE) website for information about the Underground Injection Control (UIC): https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Underground-injection-control-program
8. Most land-disturbing activities require an Erosion and Sediment Control (ESC) plan. Land-disturbing activities are activities that result in a change in existing soil cover (vegetative or non-vegetative) or site topography. Land-disturbing activities include, but are not limited to, demolition, construction, clearing and grubbing, grading, and logging. An ESC plan detailing how erosion and other adverse stormwater impacts from construction activities will be handled must be submitted to the Development Services Center for review and acceptance prior to construction of said phase. See Section 9 of the SRSM for ESC requirements and applicability. The following link provides information on ESC training and certification programs: https://ecology.wa.gov/Regulations-Permits/Permits-certifications/Certified-erosion-sediment-control
9. Include a note stating that the Contractor is responsible for designating a location where concrete trucks and equipment can be washed out. This area shall not be located near or draining into a storm drainage area, treatment area, or facility.
10. Include the following note on the plans: "**All broken, heaved, or sunken sidewalk, curbs, and driveway approaches adjacent to the project will be replaced or repaired whether caused by construction or not.**"

Dave Kokot – Fire Prevention Engineer (625-7056):

1. An approximate site fire flow (obtained from IFC Table B105.1 and Table C105.1) is 5,250 GPM without automatic sprinklers throughout and requires six fire hydrants. Site fire flow is 1,500 GPM with automatic sprinklers throughout and requires one fire hydrant.
2. There are three existing fire hydrants in the area that meet the code requirements for this

project.
3. Site fire flow will be required to be maintained or provided during construction.
4. Fire hydrant spacing shall not be more than 500 feet (along an acceptable path of travel), within 500 feet of the property line for non-sprinklered buildings and 750 feet of the property line for fire sprinklered buildings (SMC 17F.080.030).
5. For commercial buildings, fire hydrants are required to be along an acceptable path of travel within 400 feet to all points around the building without fire sprinklers (IFC 507.5.1), and 600 feet for commercial buildings with fire sprinklers (IFC 507.5.1, exception 2).
6. Fire Department Connections for new fire sprinkler system installations shall be located no more than five hundred feet from a fire hydrant along an accessible path of travel unless where approved by the fire official.
7. Fire Department Connections for new standpipes shall be located no more than one hundred feet from a fire hydrant along an accessible path of travel unless where approved by the Fire Code Official.
8. Fire Department approved all-weather access must be provided to within 150 feet of any point around the outside of a building (IFC 503.1.1). For fully sprinklered buildings, this is extended to 165 feet (IFC 503.1.1, exception 1). Dead-end roads longer than 150 feet need approved fire apparatus turn-arounds (IFC 503.2.5). Fire apparatus turning radius is 50 feet external, 28 feet internal (SMC 17F.080.030.D.3). Minimum height clearance is 13 feet-6 inches (IFC 503.2.1). Fire lanes will have a maximum slope of 10 percent (based on IFC 503.2.7).
9. Minimum width for fire access is 20 feet, unobstructed (IFC 503.2.1). Buildings exceeding 30 feet in height and will be required to have a Fire Aerial Access lane of 26 feet wide along at least one side of each building (IFC D105.2).
10. The proposal does not appear to meet the requirements of the Fire Code for fire access. Access could be utilized from Shadle Shopping Center if stairs were provided due to the steep grade. Belt St. can also be used for fire access. There are two indentations in the building that have exterior walls more than 165' from where fire apparatus can setup. The proposed plan would not meet the requirements for a fire aerial access lane if the building is more than 30' in height.
11. Fire access will be maintained during construction. The fire lanes will be maintained with an all-weather surface (IFC 3310.1).
12. The installation of security gates or barriers on fire access roads shall be approved by the Fire Department (IFC 503.6). If access to the site is required to comply with the distances around the building, at least one access gate will be setback a minimum of 48' from the edge of pavement. Gate openings will be a minimum of 14' wide, and open gates will not obstruct access to structures.

Mathias Bauman – Water Department (625-7953):

1. Our records show two existing four inch water irrigation services and a four inch domestic water service running to this parcel. After the demo of the existing building, if any existing services are not utilized, they must be disconnected at the main.
2. There is a 12-inch cast iron water distribution main in Longfellow Ave and a 10-inch cast iron main located in Belt St available for the project.
3. The City of Spokane Water Department Cross Connection Control and Backflow program rules and regulations shall be followed in accordance with Washington Administrative Code (WAC 246-290-490) and the City of Spokane Municipal Code 13.04.0814.
4. This parcel falls outside of our General Facilities Connection Waiver zone, therefore, General Facilities Charges will apply if new water taps are made. See Section 13.04.2042 in the Spokane Municipal Code.
5. Calculated static water pressure is approximately 72-78 psi at the surrounding hydrants.

6. A utility site plan illustrating new water lines and/or services to be installed shall detail the location of new tap(s) and meter(s) prepared by a Professional Engineer licensed in the State of Washington. Water Department plan reviewers and inspectors will ensure that any new water line(s) and Service line(s) needing backflow assemblies are installed in accordance with applicable rules and regulations. Water Department Water Service Inspectors, (north side) Harry Ward (509) 625-7845, (south side) Ryan Penaluna (625-7844) will review submitted plans and inspect on-site construction. Water Department Cross Connection Control Specialists, Donovan Aurand (509) 625-7968 and Lance Hudkins (509) 625-7967, will review any backflow assemblies where required.
7. Taps and meters can be purchased at Developer Services Center, located on third floor of City Hall -Spokane. Size of service(s) shall comply with International Plumbing Code. Tap, meter, and connection fees will comply with section 13.04 of SMC. Tapping of the water main and installation of new meters shall be done by City forces. All excavation and restoration is the owner's responsibility. All trenches and/or excavations must comply with current W.A.C. #296-155 part N. No City of Spokane employee will be permitted into any trench and/or excavation without proper shoring or sloping, no exceptions. Please see Water Department Rules and Regulations for information about tap and meter sizes and sewer/water separation requirements.

Rick Hughes – Solid Waste (625-7871):

To meet the City of Spokane's requirements for pick-up, a commercial dumpster enclosure must include:

- At least a 12' wide gate opening by 10' deep clear width for garbage only, or 17' wide--with a 12' wide gate opening and separate 5' gate opening for recycling--by 10 feet deep with a 2 yd recycling bin;
- The surface pad must be a firm pad of either concrete or asphalt and 3 inches thick (concrete is recommended and for restaurants concrete is required along with a drain to the sanitary sewer);
- an enclosure which is 6 feet tall with sturdy gates;
- Gates that when **OPENED** have a 12 foot clearance;
- A mechanism that ensures the gates will rest open and will not close upon City equipment or personnel;
- A sturdy, reliable backstop to prevent damage to the back enclosure wall;
- Adequate lighting and nothing else, other than city-owned containers may be stored in the enclosures, including grease buckets, loose cardboard, and pop or milk crates. (See Municipal Code Section 13.02.0352)

Becky Phillips – Urban Forestry (363-5491):

Please see attached document.

Section 3 – General Information and Submittal Requirements

1. Site plan requirements are as shown on the attached "Commercial Building Permit Plan Checklist". For the permit intake submittal, please provide three (3) **Full Building Plan Sets** and an electronic copy of the **Site Sets**. ***Full Building Plan Sets*** shall include all plans created for this project: cover sheet, architectural, structural, plumbing, mechanical, electrical, civil engineered plans, landscaping and irrigation drawings. ***Site Sets*** shall include: cover sheet, overall site plan (either architectural or civil engineered), all civil engineering plans, landscaping and irrigation plans, and building elevations. Plans are required to be stamped and sealed by an architect, landscape architect, or engineer licensed

to do business within the State of Washington. All reports and supporting documentation noted in departmental comments will also be required for the permit intake submittal (i.e. NREC, drainage report, geotechnical site characterization, etc.)

2. Please provide an electronic copy of site plans showing dimensions, ***property lines, and City Limits***, relative topography, all on-street signs and street markings, any new and existing frontage improvements, all structures, on-street storm drainage facilities, sidewalks, curbs, parking calculations and dimensions, dimension existing roadway, new and existing driveways and their locations, and other relative information. Show all existing topography in the public right-of-way such as street signs, water valves, hydrants, etc. All required landscaping must be within the property lines and not in the public right-of-way.
3. An Intake Meeting handout was provided to you in your packet at the Pre-Development meeting. Please call (509) 625-6300 to schedule an Intake Meeting to submit plans for a new commercial/industrial building, an addition to an existing building, a change-of-use, or a parking lot. Appointments must be made at least 24 hours in advance and can be scheduled for Monday through Thursday.
4. Please provide a complete set of plans to Spokane Regional Health District if food and/or beverage handling business is planned.
5. If you would like a full Certificate of Occupancy on any portion of the permit prior to completion of the other phases, it is required to file separate permits for each phase. An additional $250 fee will be assessed for a Temporary Certificate of Occupancy and/or a Temporary Certificate of Occupancy extension per SMC 8.02.031M.
6. For additional forms and information, see my.spokanecity.org.

PRE-DEVELOPMENT CONFERENCE COMMENTS

1101 West College Avenue
Spokane, WA 99201-2095

509.324.1500 | TEL
509.324.1464 | TDD
www.SRHD.org

June 17, 2019

Kris Jeske
NAC Architecture
1203 W. Riverside Ave.
Spokane, WA 99201

Project Description: Glover Middle School Replacement

Project No: B19M0064PDEV
Parcel No: 25012.0002
Location: 2404 W. Longfellow Ave.
Health District Tracking No: SR0005695

Spokane Regional Health District (SRHD) has completed a preliminary review of the above-referenced project. Based on the review, the following comments are offered for consideration by both the City of Spokane and the project sponsor prior to issuance of a building permit.

Food Safety Program Comments

The following items shall be submitted for review and determination of permit requirements for the main kitchen, any concession stands and any other areas where foods are offered to the student body such as DECA, home-economics, etc.:

1. Private clubs or organizations may be exempt from permit requirements if food or beverages are provided without compensation to members and invited guests.

2. A complete set of project construction plans and specifications, including an equipment list and surface finish list, must be submitted for review and approval prior to issuance of the building permit. Food service establishment plans can be submitted in hard copy or electronically. Electronic plans can be submitted to foodsafetyprogram@srhd.org. If plans will be submitted in both formats, a statement must be included indicating both sets are identical, or any differences must be itemized. The final plan submittal shall include a plumbing plan showing all sinks and drainage, including the method used for indirect drainage of equipment such as ice machines, ice bins, dishwashers, produce preparation sinks, etc. as required by WAC 246-215-05410.

3. A food menu and food preparation steps must be included in the plan submittal. Note: All necessary paperwork for obtaining a food service establishment permit can be obtained at https://srhd.org/programs-and-services/food-establishment-permits.

4. The final plan submittal shall include a plumbing plan showing all sinks and drainage, including the method used for indirect drainage of equipment such as ice machines, ice bins, dishwashers, produce preparation sinks, etc. as required by WAC 246-215-05410.

5. Lighting shall comply with WAC 246-215-06240 and 06340.

6. If the operation will include off-site catering, the final plan submittal shall include an equipment list and procedures for all off-site food transport, preparation, set-up and service. Catering includes the

set-up and/or service of food at another location and requires a separate food establishment permit.

7. A written statement of intent as to method of refuse containment is to be provided, along with a description of how the containment will be maintained in a sanitary manner. The refuse containment area surface must be constructed of nonabsorbent material and shall be smooth, durable, and sloped to drain. Location, construction and maintenance of the refuse containment area shall comply with WAC 246-215 PART 5 Subpart E.

8. All areas used for storage of food products, single service items, utensils and equipment shall have surfaces that are smooth, durable and easily cleanable. Exterior storage structures (e.g., storage buildings for espresso operations) are subject to the same requirements and shall be pre-approved by the Health District prior to being located on the site.

9. A complete submittal must be received and approved prior to release of Health District interest in the building permit. A complete food service establishment plan submittal may take up to 14 days to review.

10. Once the project is complete and ready for inspection, please contact the Health District at least three (3) days prior to the projected date of opening.

School Program Comments

Any publicly financed or private or parochial school or facility used for school instruction, from kindergarten through twelfth grade, must submit the following information for review:

1. A complete set of building construction plans and specifications must be submitted for review and approval prior to issuance of the building permit. The *K-12 School Construction Project Submittal* form is on the SRHD website at https://srhd.org/programs-and-services/school-health-safety-program. Plans can be submitted electronically, but a paper copy, including specification books and manuals, is required for school project plan review. An electronic copy of the final plans and specification books is required for archival purposes.

2. A letter must be submitted stating that the drawings and specifications for the project are designed in accordance with the following *Primary and Secondary School Regulation* WAC sections:
    - WAC 246-366-080 – Ventilation
    - WAC 246-366-090 – Heating
    - WAC 246-366-100 – Temperature Control
    - WAC 246-366-110 – Sound Control
    - WAC 246-366-120 – Lighting

    Note: Sound and light levels will be measured for compliance during the pre-occupancy inspection conducted when construction is completed.

3. The plan submittal must include a letter from the architect or engineer stating that the building ventilation system is designed in compliance with the *International Mechanical Code* and *American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) Standard 62.1,* unless waived by SRHD. This requirement does not apply to relocatable classrooms.

4. In new construction, the actual background noise at any student location within the classroom shall not exceed 45 dBA (Leqx), where x is thirty seconds or more. Compliance is determined with the ventilation system and the ventilation system's noise generating components in operation (e.g. condenser, heat pump, etc.).

5. A plan review meeting with the SRHD School Health and Safety Program will be required to discuss plan review of the proposed site, facility design and construction, and curriculum related to the school facility. This includes office areas, restrooms, locker rooms, gymnasiums, custodial rooms, classrooms, science rooms, science preparation rooms, shops, art rooms, auditoriums, interior lighting, ventilation, food service and playgrounds. Please contact Sandy Phillips at 324-1560, extension 4, to schedule this meeting. To improve the efficiency of the plan review process it is preferred that this meeting takes place prior to final plan submittal (e.g. at the 50% plan stage).

6. Safe motor vehicle (parent and bus) drop-off and pick-up design and locations must be provided for student arrival and departure. For assistance developing safe routes to school, refer to the Feet First handbook *Improve Your School Arrival and Departure Procedures* http://www.feetfirst.org/wp-content/uploads/2013/12/Arrive-Depart-Handbook-FINAL-for-FF-website.pdf . *Also, please provide information about how the students will be provided a safe route to the existing school during the project. Include vehicle drop-off and pick-up, walk routes, and bike routes.*

7. Light intensities shall be provided as measured 30-inches above the floor or on working surfaces as follows:
    - General instruction areas (study halls, lecture rooms, libraries) – 30 foot-candles
    - Special instruction areas (sewing rooms, labs, chemical storage areas, shops, drafting rooms, art and craft rooms) – 50 foot-candles
    - Non-instructional areas (auditoriums, lunchrooms, assembly rooms, corridors, stairs, storerooms, and toilet rooms) – 10 foot-candles
    - Gymnasiums (main and auxiliary spaces, shower rooms and locker rooms) – 20 foot-candles

8. Any classrooms used for science, shops or art curriculum may require:
    - Submittal of a planned curriculum and Safety Data Sheets for chemicals
    - Fume hood, eyewash and emergency shower

9. Any classrooms where metals will be soldered (shops, robotics, etc.) will require local ventilation to remove contaminants.

10. Ground fault interrupter (GFI) devices shall be provided on all electrical receptacles within six feet of sinks, water fountains and other grounding sources.

11. Soap and single-service towels shall be provided at all handwashing facilities.

12. Changes to playground equipment location or installation of new playground equipment require plan review per Primary and Secondary School Regulations WAC 246-366-040. The *K12 School Playground Project Submittal* form is located on the SRHD website at: https://srhd.org/school-construction-documents . Layout drawings detailing the distance between equipment and

boundaries, copies of manufacturer's equipment cut sheets and a letter from the manufacturer stating that the equipment complies with the current Consumer Product Safety Commission (CPSC) *Handbook for Public Playground Safety,* and the American Society for Testing and Materials (ASTM) *Standard Consumer Safety Performance Specification for Playground Equipment for Public Use* must also be submitted for review prior to equipment purchase.

Liquid Waste/Water Program Comments

The site is currently served by public sewer and water. No changes to these utilities are required by the Health District.

Solid Waste Program Comments

1. All demolition/construction debris must be transported to a licensed solid waste disposal facility. No on-site burning or burying of debris will be allowed.

2. If the site of the proposed project requires fill or grading, and clean soil or rock are used, no action is required by the Health District. If the fill will include inert waste such as concrete or asphalt, it shall not exceed 250 cubic yards without obtaining an inert waste landfill permit. Sites requiring an inert waste landfill permit shall comply with section 1.06.040 of the Spokane Regional Health District 2004 *Solid Waste Handling Standards*. Any other regulated solid waste placed on the site shall meet the requirements of the Spokane Regional Health District 2004 *Solid Waste Handling Standards*.

General

1. These comments are based on the project as proposed and reflect requirements in place at the time of submittal. There may be additional requirements at the time of formal application submittal if there have been changes to the proposal or revisions to the regulations have occurred since the original submittal.

2. The Health District is a separate reviewing agency from the Building Department. To assist in an efficient review of your project please submit final project plans and all information requested in these comments directly to the Health District.

3. Plan review for projects that require a permit or approval from the Health District is billed at $130 per hour including time spent reviewing the project at the pre-application phase. Projects that are considered new construction (e.g., new structures, change of use, building additions, etc.) are charged a 1.5-hour minimum, to be paid at the time of plan submittal. Additional time spent reviewing plans and conducting pre-occupancy inspections is billed at the standard plan review rate of $130 per hour. **Plan review and pre-occupancy inspections for projects that begin construction without written Health District approval is charged at 1.5 times the standard hourly rate.** Review of submittals begins only after all required documentation and fees have been received.

Thank you for the opportunity to review your project. For general questions regarding these comments call 324-1582.

Sincerely,

Kris Jeske
Glover Middle School Replacement
2404 W. Longfellow
Project Number: B19M0064PDEV
June 14, 2019

Eric D. Meyer, R.S.
Technical Advisor
Environmental Public Health Division

EDM/lh

PRE-DEVELOPMENT NOTES Date Delivered: July 5, 2019

PROJECT: Glover Middle School Replacement B19M0064PDEV
2404 W Longfellow Ave (Parcel 25012.0002)

To: **Kris Jeske, NAC Architecture**
Cc: **Dermott Murphy, Deputy Building Official, City of Spokane**
Tami Palmquist, Associate Planner, City of Spokane

Dear Mr. Jeske,

I am enclosing a packet of information from Urban Forestry that will be beneficial to you should you decide to proceed with plans to develop the above property.

Although I have not conducted a site visit, our Street Tree Inventory does not have any trees showing in the public right of way along either Longfellow Ave, Alberta St, or Belt St. There are mature trees near the right of way along Longfellow Ave and one on Belt St. If the intent is to retain these trees, we would recommend the installation of Tree Protection fencing prior to any demolition or excavation activities and to remain in place throughout all phases of construction. I am including the City of Spokane Tree Protection Specifications and Detail for your convenience. Please include these on your landscape and civil plans.

If your plans include removing these trees, please hire a certified arborist from the attached list and have him/her submit a Street Tree Permit prior to any work being done on these trees.

New street trees will be required along the frontage of Longfellow, and may be required along Belt St also, whether the existing trees are removed or retained to screen the parking lot and bring the site up to code conformance. In planting strips that are 5-8’ wide, a Class II tree species is required. In areas wider than 8’, a Class III tree species is required. Please choose from the appropriate class of trees on the City of Spokane Approved Street Tree List and include the species on your landscape plans for review.

You will be required to hire a licensed certified arborist and a separate Tree Permit will need to be submitted for the installation of new street trees so I am supplying you with a list of city approved arborists for that work. The arborist you choose will be familiar with Street Tree permitting process. This permitting process could take up to 10 business days so please plan with this time requirement in mind.

You will also be required to install landscaping on the interior of your property, including trees. While a licensed certified arborist is not required to plant interior trees, the planting standards are the same as street trees, so I recommend you have a certified arborist plant the interior trees as well. All trees onsite will be inspected to ensure they are of quality nursery stock and are planted correctly before a Certificate of Occupancy is issued.

Please also consider tree placement, school signs, and street signage to prevent visibility issues as the trees mature. This will lessen tree maintenance in the future.

Please let me know if I can be of any assistance to you.

Respectfully,

Becky Phillips
Urban Forestry Specialist
City of Spokane

PRE-DEVELOPMENT PACKET Date Delivered: July 5, 2019

PROJECT: Glover Middle School Replacement B19M0064PDEV
2404 W Longfellow Ave (Parcel 25012.0002)

To: Kris Jeske, NAC Architecture
Cc: Dermott Murphy, Deputy Building Official, City of Spokane
Tami Palmquist, Associate Planner, City of Spokane

Dear Mr. Jeske,

The purpose of this Pre-Development Packet is to provide general information needed to meet Street Tree requirements in the City of Spokane. If the project includes planting, pruning (crown or roots), protecting or removing street trees then the information in this packet will assist you in meeting the requirements and avoiding delays in your project.

Urban Forestry also performs final landscape inspections for the interior of the property during the Certificate of Occupancy review. This includes making sure the landscape matches the approved design, and that design elements are installed in accordance with City of Spokane Municipal Codes. A licensed certified arborist is only required for the planting of street/public trees, but the planting standards and specifications are the same for interior trees, so please use the V-101 & V-102 as planting standards for all trees and shrubs on this site.

The documents included in this packet are as follows:

- Certified & Licensed Arborists in the City of Spokane
- Tree and Shrub Planting Details Diagram
- A Clear View: Vegetation & Traffic Safety Diagram
- Existing Sidewalk Retrofit Diagram
- Tree Protection Specifications & Detail

In addition, the documents below may be helpful to you as well and can be found at the corresponding websites:

Street Tree Permit Application available online at www.aca.spokanepermits.org
Approved Street Tree List available online at www.spokaneurbanforestry.org

Please pay particular attention to the following as these are the most common concerns:

1. Please use the City's standard tree and shrub planting details V-101 & V-102 (Attached)
2. No tree shall be planted within fifteen (15) feet of any driveway, alley, streetlight, utility pole, non-safety street sign (ex. parking, street name) or fire hydrant. No tree shall be planted within twenty (20) feet of a critical street safety sign (stop, yield, or pedestrian crossing). The potential placement of street signs, street lights and utility poles shall be evaluated to lessen the conflict with the growth of existing street trees.

3. Any substitutions or revisions to the final approved plant schedule and planting plan must have written approval from Urban Forestry and the Landscape Architect prior to installation.
4. Please have a licensed Certified Arborist from the attached list submit a complete Street Tree Permit Application 10 days prior to tree work for this project.

The documents provided are also available on our website: www.spokaneurbanforestry.org or if you have any questions please contact Katie Kosanke at 509.363.5495 or kkosanke@spokanecity.org. Our intent is to provide guidance and assistance early in this process to ensure your project is successful; please do not hesitate to contact us.

Respectfully,

Katie Kosanke
Urban Forester, City of Spokane

CITY OF SPOKANE PARKS & RECREATION
URBAN FORESTRY

Certified & Licensed Arborists in the City of Spokane

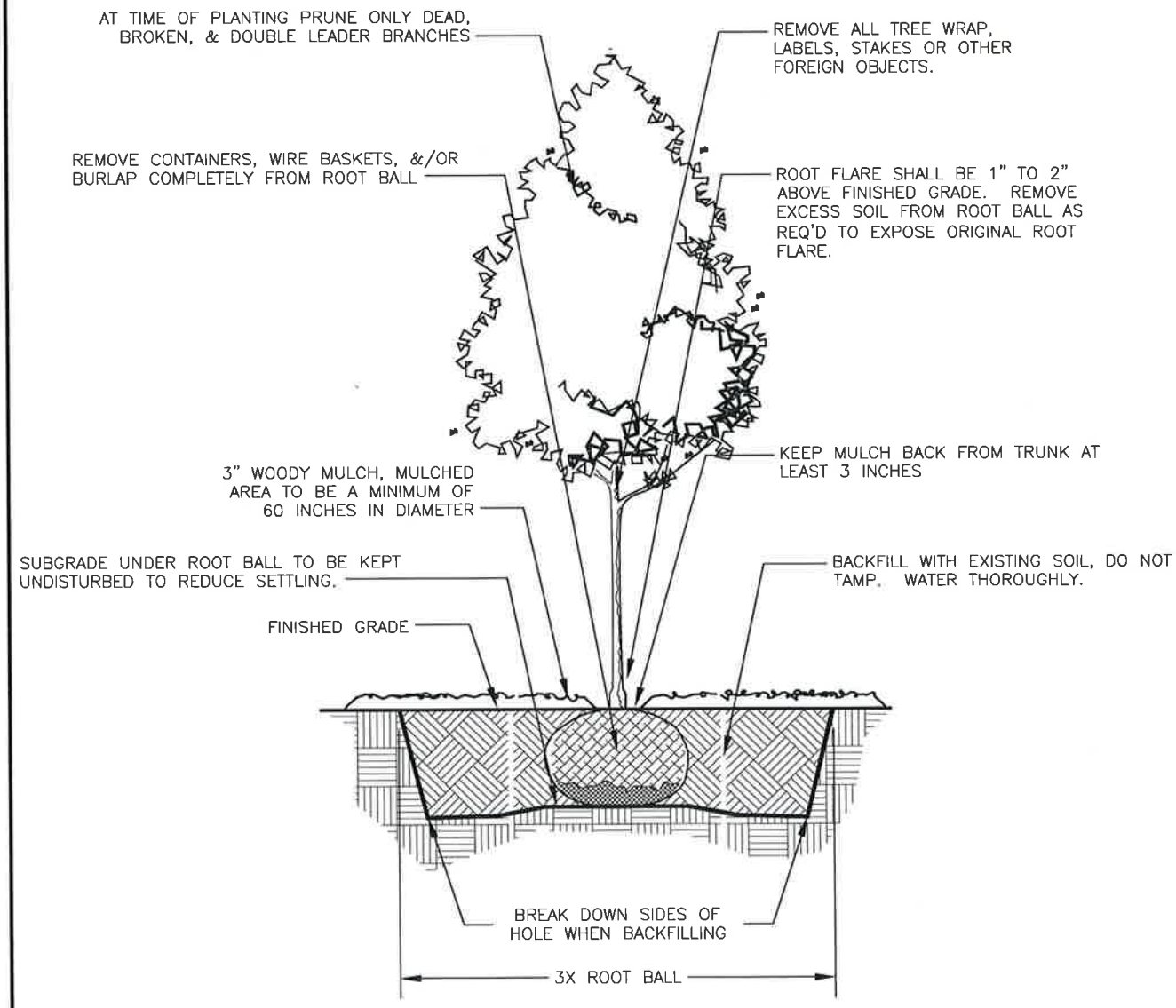
www.spokaneurbanforestry.org

Company Name	Phone	Email/Website
A1 Tree Service*	509-623-0344	a1stumpremovalspokane@gmail.com
A.B.C. Consulting Arborists LLC*	509-953-0293	daniel@abcarborist.com
Aardvark Tree Service	509-891-7650	aardvarktree@live.com
Affordable Arborist Tree Care Inc	509-879-0577	evangeline_david@ymail.com
All Seasons Tree Service	208-660-7461	office@allseasonstreeservice.contractors
Bluebird Tree Care Inc*	208-651-3959	benlarsontree@gmail.com
Budget Arbor & Logging LLC	509-458-0838	mike@budget-arbor.com
C & C Yard Care Inc*	509-482-0303	chrisc@candcyardcare.com
Clearwater Summit Group Inc	509-482-2722	rnee@clearwatersummitgroup.com
Community Forestry Consultants, Inc.*	509-954-6454	cfconsults@comcast.net
Dan Dengler	970-401-0412	dandenglerlongboards@yahoo.com
Deep Roots Gardens & Landscaping	509-216-4835	christopher.re78@gmail.com
Frontier Tree Service	509-487-8733	
Greenleaf Landscaping Inc	509-536-2885	Info@greenleafwa.com
Heindl Tree Care Inc*	509-475-9135	arborpaul@hotmail.com
Land Expressions	509-466-6683	frontdesk@landexpressions.com
Little Tree INW LLC	509-212-4972	clarkrjacob@gmail.com
Miller Tree Care LLC	509-981-4208	millertreecarellc@gmail.com
Northwest Plant Health Care, a division of F.A. Bartlett Tree Experts	509-892-0110	shogan@bartlett.com
Sam's Tree & Landscape LLC	509-467-3801	sam@samscapes.net
Selkirk Landscape Services	509-536-1919	selkirklandscape@gmail.com
Senske Services	509-891-6629	sjones@senske.com
Skyline Tree Service LLC	509-496-9793	crendall1@hotmail.com
Spirit Pruners LLC*	509-979-3496	k@spiritpruners.com
Spokane Tree Pro	509-998-2771	spokanetreepro@gmail.com
Tall Tree Service	509-747-8733	talltreeservice@gmail.com
The DRB Company	509-701-3100	drbcompany@comcast.net
Treescapes Inc	509-992-8733	treescapes@roadrunner.com

*Currently qualified to provide Risk Assessments

~as of July 2019

808 W. Spokane Falls Blvd., Spokane, Washington 99201-3317
Ph.: 509.363.5495 • FAX: 509.625.6205



NOTES:

1. TREES BURIED TOO DEEP, OR WITHOUT EXPOSING ROOT FLARE WILL BE REJECTED & SHALL BE REMOVED & REPLANTED AT PROPER DEPTH.
2. ALL 'ADVENTITIOUS ROOTS' AND 'SUCKERS' SHALL BE PRUNED AWAY PRIOR TO PLANTING.
3. DEVIATIONS FROM THIS DETAIL SHALL ONLY BE ALLOWED WITH PERMISSION FROM THE CITY ARBORIST.
4. TREES NOT PLANTED IN CONFORMITY WITH THIS DETAIL WILL BE REJECTED BY THE CITY ARBORIST. REPLACEMENT OF REJECTED TREES WILL BE DONE AT THE CONTRACTOR'S EXPENSE & NOT BY THE CITY OF SPOKANE.
5. LOCATIONS OF TREES TO MEET THE REQUIREMENTS OF DESIGN STANDARDS 3.5–2. ≥15 FT FROM DRIVEWAYS, ≥10 FT FROM DRAINAGE INLETS, ≥ 20 FT FROM DRYWELLS, NOT OBSTRUCT TRAFFIC SIGNS OR SIGHT TRIANGLES, AND 15 FT FROM UNDERGROUND UTILITIES
6. AFTER PLANTING, IF TREES ARE UNSTABLE, STAKING MAY BE USED BUT ONLY AS NECESSARY. AT 6 MONTHS, ALL STAKING MATERIAL SHALL BE REMOVED. IF TREE IS STILL UNSTABLE, AFTER 6 MONTHS, TREE MAY NEED TO BE REPLACED.

APPROVED BY

ENGINEERING OPERATIONS MANAGER KYLE TWOHIG

PRINCIPAL ENGINEER, CONST. KENNETH M. BROWN, P.E.

ADOPTED:	2/1986
REVISED:	05/2015
SUPERSEDES:	04/2012
CHECKED BY:	SJS
SCALE:	NTS
REVISED BY:	MLD

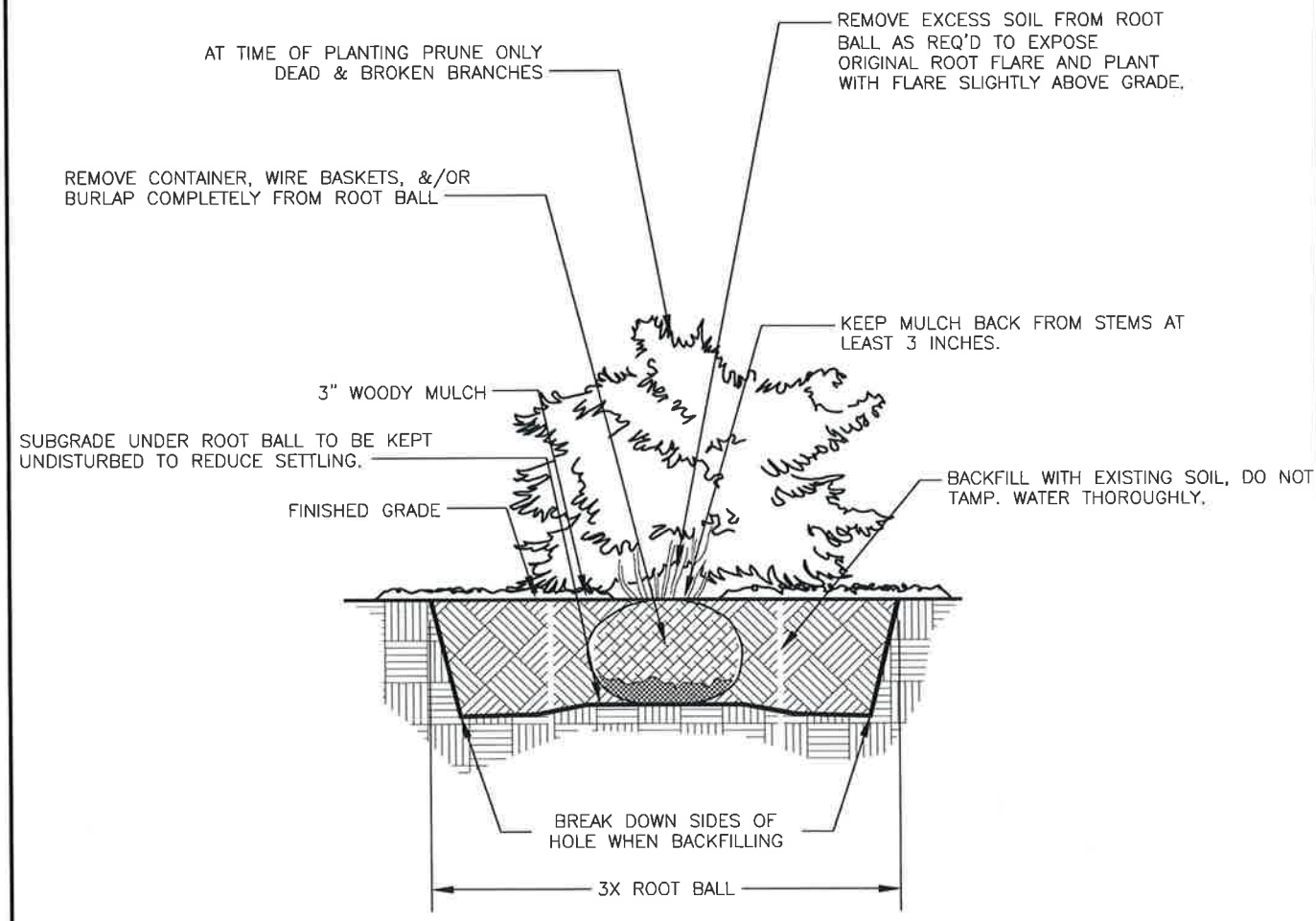
TREE PLANTING DETAILS

ALL TYPES, FORMS AND SPECIES

SPOKANE

ENGINEERING SERVICES
CITY OF SPOKANE, WASHINGTON

STANDARD PLAN No. **V–101**



NOTES:

1. SHRUBS BURIED TOO DEEP, OR WITHOUT EXPOSING ROOT FLARE WILL BE REJECTED & SHALL BE REMOVED & REPLANTED AT PROPER DEPTH.
2. DEVIATIONS FROM THIS DETAIL SHALL ONLY BE ALLOWED WITH PERMISSION FROM THE CITY ARBORIST.
3. SHRUBS NOT PLANTED IN CONFORMITY WITH THIS DETAIL WILL BE REJECTED BY THE CITY ARBORIST. REPLACEMENT OF REJECTED SHRUBS WILL BE DONE AT THE CONTRACTOR'S EXPENSE & NOT BY THE CITY OF SPOKANE.

APPROVED BY

ENGINEERING OPERATIONS MANAGER KYLE TWOHIG

PRINCIPAL ENGINEER, CONST. KENNETH M. BROWN, P.E.

ADOPTED: 2/1986
REVISED: 05/2015
SUPERSEDES: 04/2012
CHECKED BY: SJS
SCALE: NTS
REVISED BY: MLD

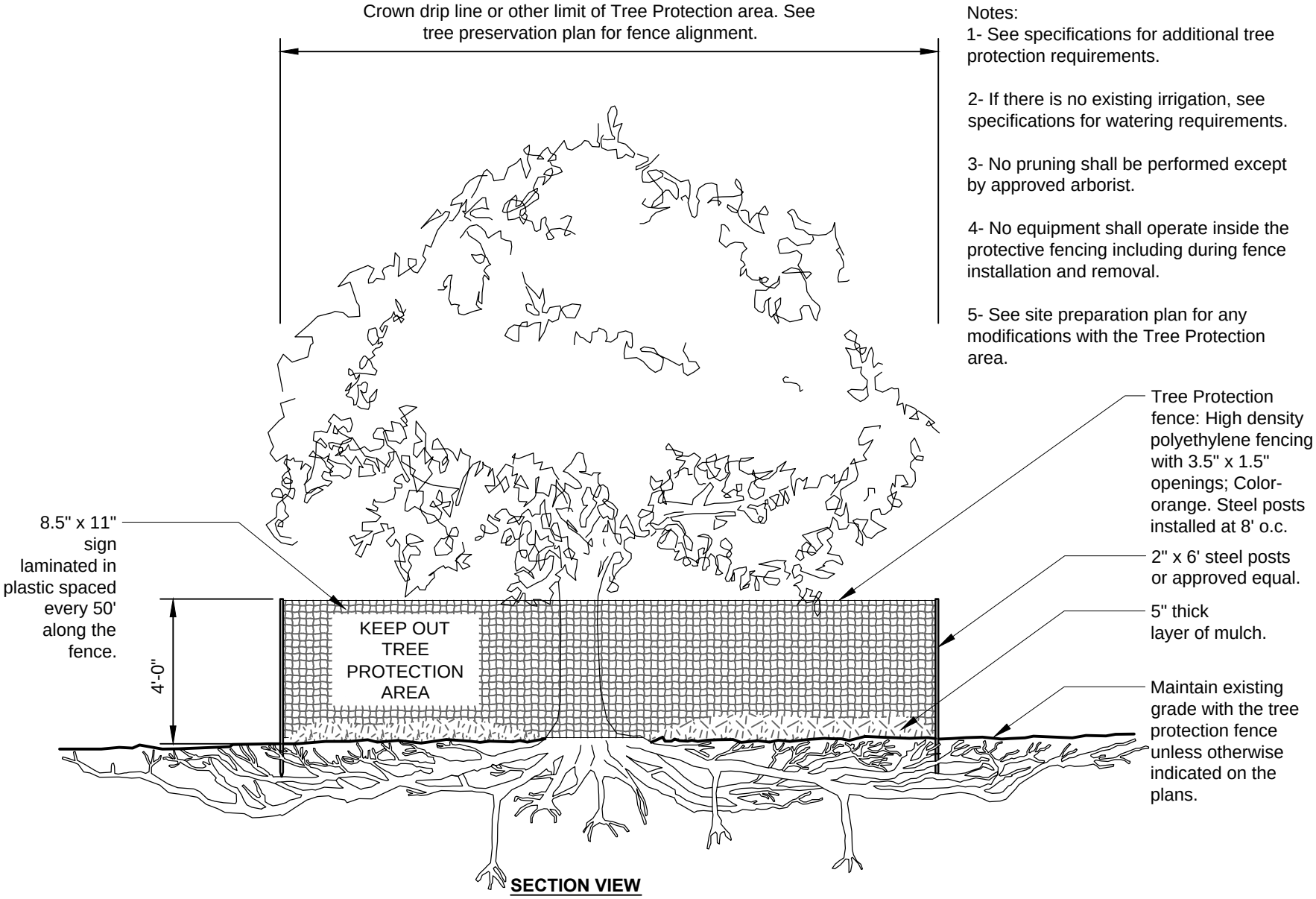
SHRUB PLANTING DETAILS

ALL TYPES, FORMS AND SPECIES

SPOKANE

ENGINEERING SERVICES
CITY OF SPOKANE, WASHINGTON

STANDARD PLAN No. **V-102**



Notes:

1- See specifications for additional tree protection requirements.

2- If there is no existing irrigation, see specifications for watering requirements.

3- No pruning shall be performed except by approved arborist.

4- No equipment shall operate inside the protective fencing including during fence installation and removal.

5- See site preparation plan for any modifications with the Tree Protection area.

S-X

TREE PROTECTION

Tree Protection Specifications for Development in the City of Spokane

1. General

The City of Spokane's Municipal Code requires that tree pruning, planting, or removal work within the public right-of-way and on public property must be performed by a person or entity with a commercial tree license. (SMC 10.25.010)

Additionally, all tree pruning (crown or root) and tree removal work must be performed by an International Society of Arboriculture (ISA) certified arborist or certified tree worker. Tree planting must be directly supervised by an ISA certified arborist or certified tree worker.

The term "Contracted Arborist" shall be used in the remainder of this document to refer to the licensed tree company.

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 Z-133-2017, or as amended.

2. Tree Protection Zone (TPZ)

For the purpose of protecting trees in the right of way during development, the contractor/developer may install the TPZ in accordance with the standards below.

The tree protection zone (TPZ) will either be determined in the field by Urban Forestry staff or established by the Contracted Arborist for approval by Urban Forestry staff prior to any excavation or work by the following method. The minimum TPZ shall be equal to the Critical Root Zone (CRZ) as defined by the International Society of Arboriculture (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). TPZ modifications may be made due to construction objectives and site infrastructure only with prior authorization by Urban Forestry staff.

Mulch: The area within the TPZ shall be mulched with 1-2 inches of untreated wood chips, leaving a 1 foot radius from the trunk free of mulching materials, unless otherwise pre-approved by Urban Forestry staff.

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.

CITY OF SPOKANE

Temporary Fencing: Install temporary fencing, 3' tall minimum, orange plastic construction fencing per manufacturer's specifications, located as indicated or outside the TPZ of trees to protect remaining vegetation from construction damage. Fencing must be maintained at all times during construction. Alternative or modified fencing material may be permitted with prior authorization by Urban Forestry staff.

Removal of Hardscapes: Where equipment is necessary to remove hardscapes in proximity of a protected tree, construction personnel must exhibit due care to ensure no damage occurs to the existing roots. If roots are encountered in the demo area, consultation with Urban Forestry staff or a Contracted Arborist is required to determine best management practice to meet construction and tree preservation objectives.

Protect tree root systems from damage due to noxious materials caused by runoff or spillage while mixing, placing, or storing construction materials. Protect root systems from flooding, eroding, or excessive wetting caused by dewatering operations.

Do not store construction materials, debris, or excavated material within the TPZ of remaining trees. Do not permit vehicles or foot traffic within the TPZ; prevent soil compaction over root systems.

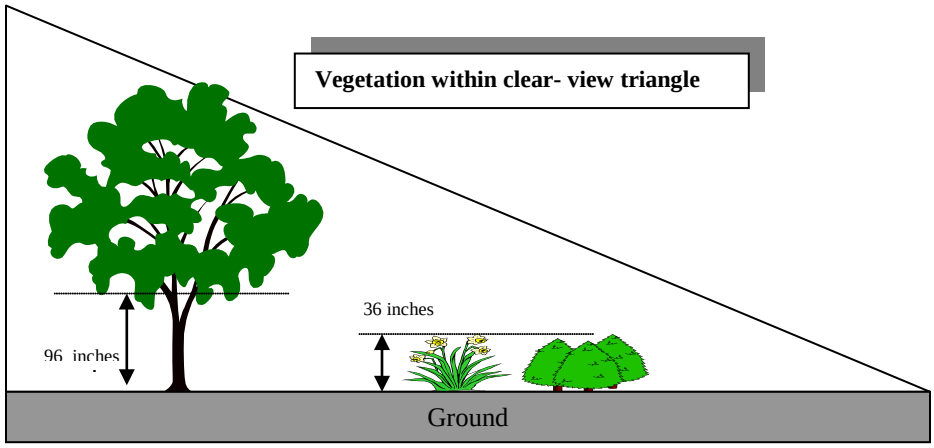
CITY OF SPOKANE

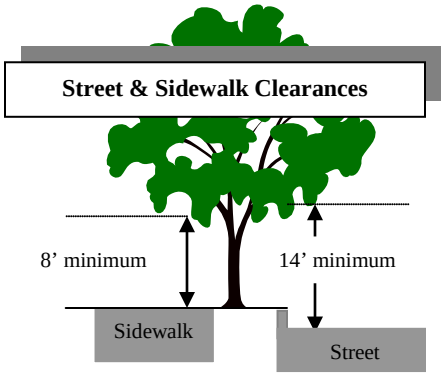
City of Spokane, Washington

A CLEAR VIEW: VEGETATION & TRAFFIC SAFETY

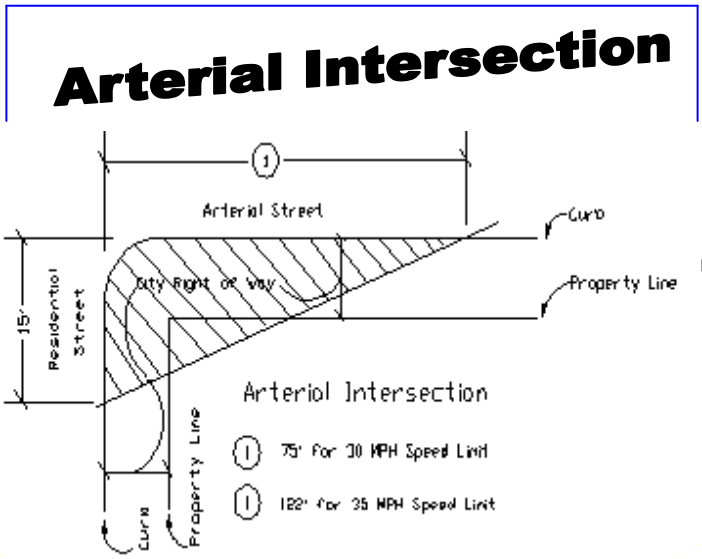
A way To Make Our Streets Safer:

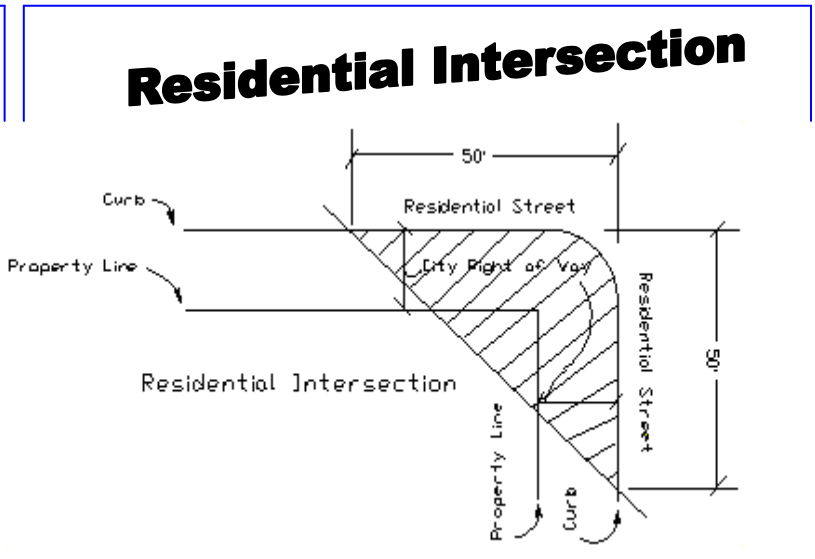
Overgrown vegetation impedes the safe flow of traffic when it blocks our view of traffic signs, pedestrians and other vehicles. If vegetation is blocking visibility in the street or an intersection, it is your responsibility as the adjacent property owner or resident to trim the vegetation. Below are the City vegetation standards as they apply to visibility.





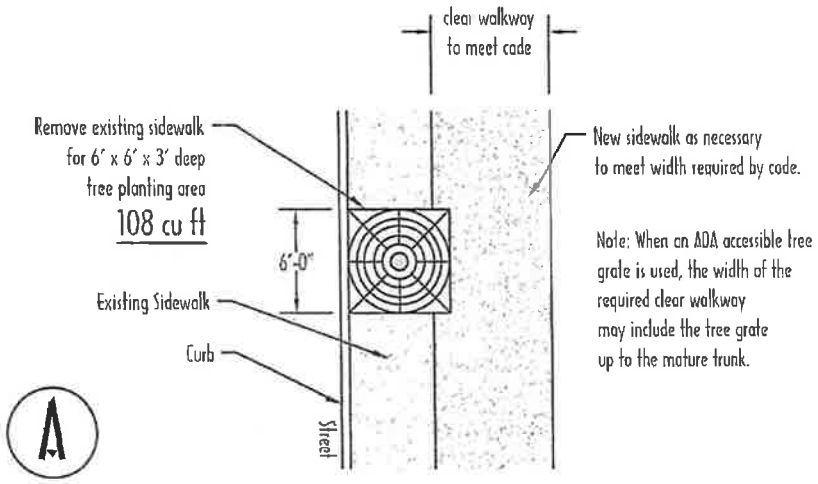
Types of Intersections (Diagonal Lines = Clear View Triangle):

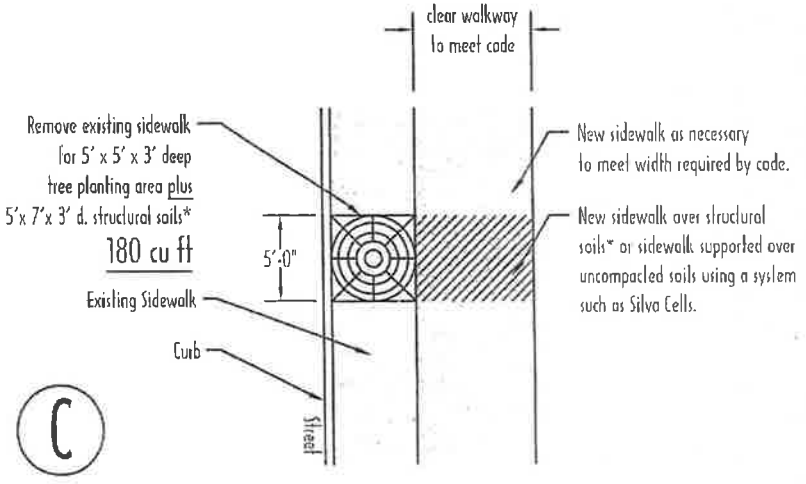


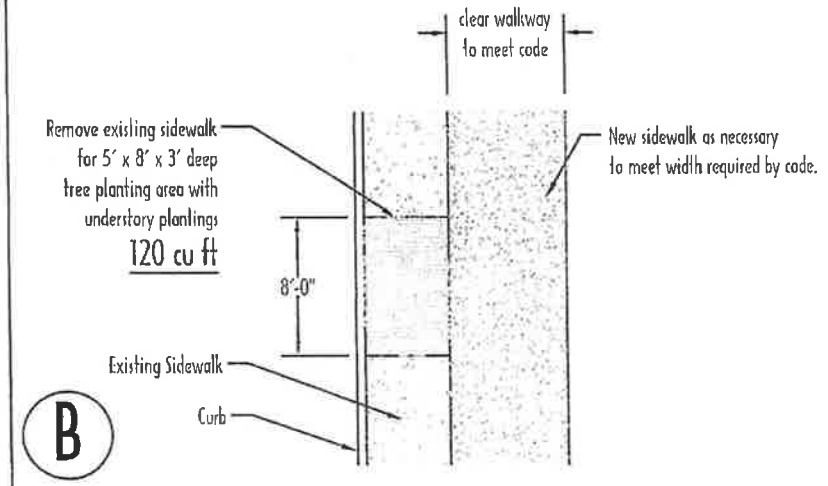


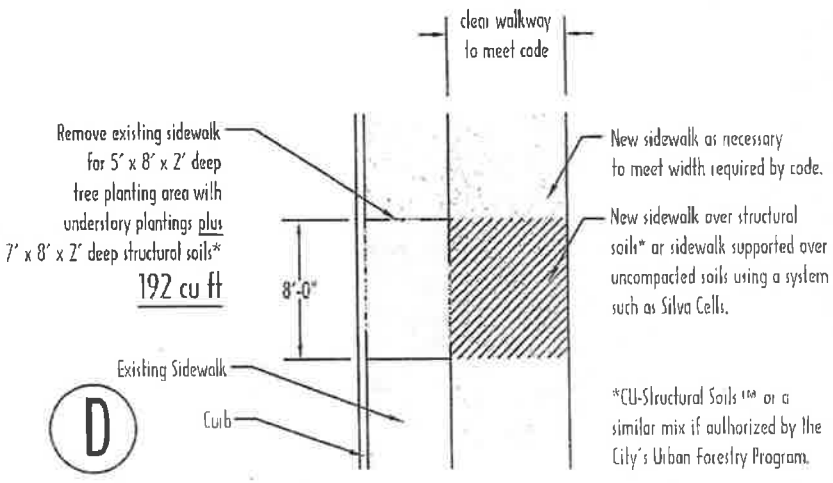
Visibility Standards:

	Description of Existing Vegetation	Vegetation Requirements	Reference in City Codes
1.	Shrubs/Hedge/Plants existing in Clear Triangle.	Trim Shrubs/Hedge/Plants to 36 inches in height.	17C.200.050
2.	Tree branches and any vegetation overhanging in Clear Triangle (no sidewalk).	Remove all tree limbs/vegetation existing from ground level to minimum height of 96 inches.	17C.200.050
3.	Tree branches and any vegetation overhanging sidewalk (in and outside Clear Triangle).	Remove all branches/vegetation existing from sidewalk level to minimum height of 8 feet.	12.02.0202
4.	Tree branches and any vegetation overhanging street (in and outside Clear Triangle).	Remove all branches/vegetation existing from street level to a minimum height of 14 feet.	12.02.0202







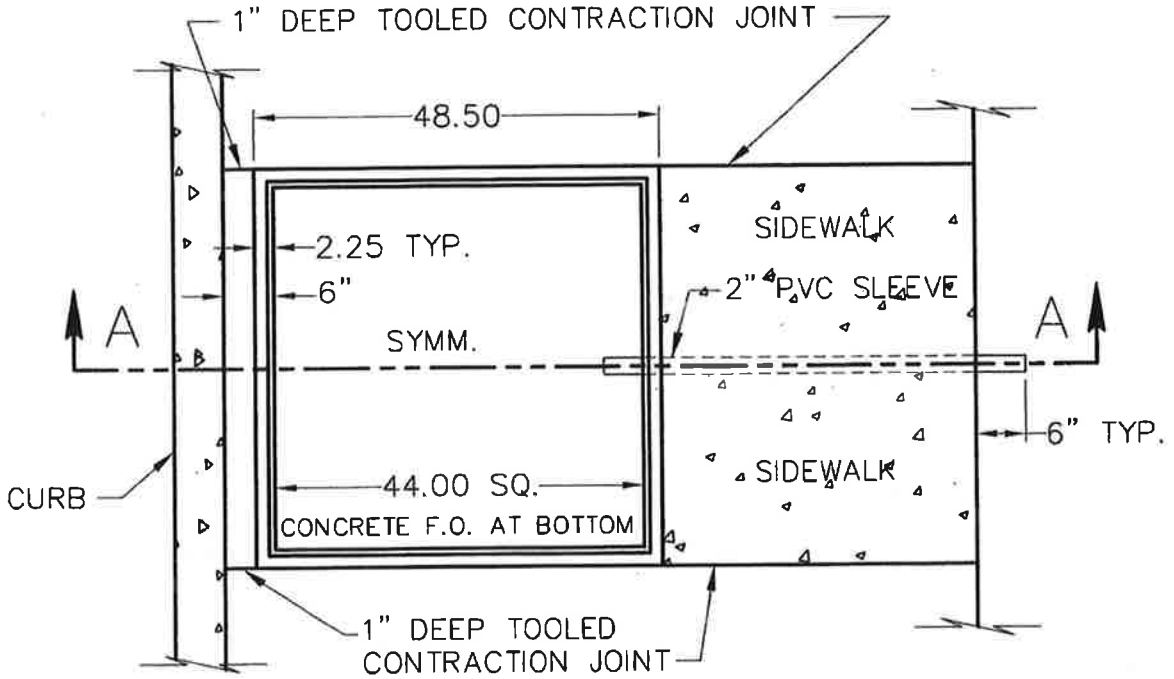


CITY OF SPOKANE

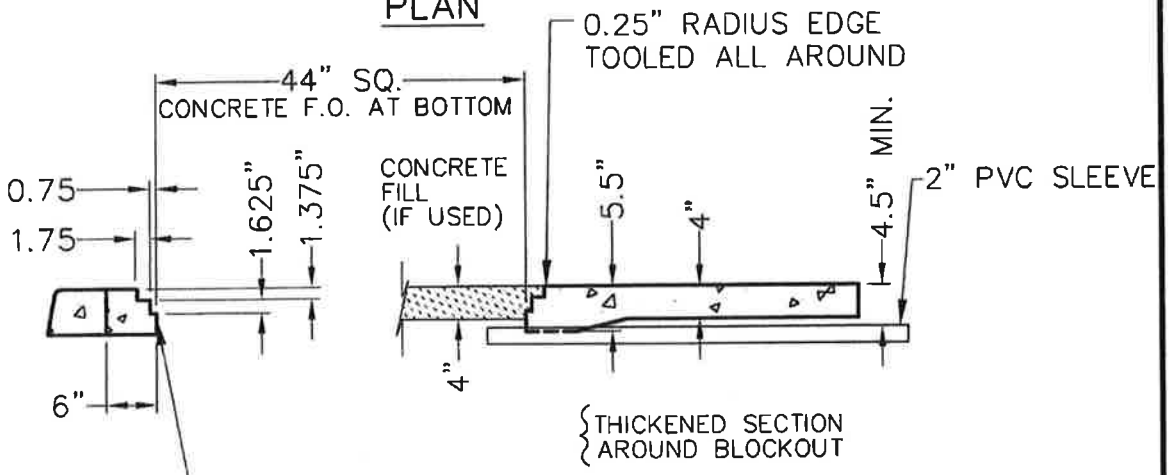
Existing Sidewalk Retrofit - Possible options to provide 100 cu ft of uncompacted soil for street trees.

Soil is a key factor for tree health but in an urban setting it's almost impossible to provide ideal soil volumes. The City of Spokane highly encourages building permit applicants to consider providing as much uncompacted soil as possible for trees, and requires at least 100 cu ft (max. 3' depth may be factored into volume). A permit is necessary to plant a tree in the public right of way; please contact the Urban Forestry Program at 363-5470.
Courtesy of the Urban Design Section of the Planning Services Department.

Back to Section F - TOC



PLAN



SECTION A–A

IMPORTANT !
APPLY PARTING COMPOUND TO ALL SURFACES OF OPENING PRIOR TO POURING THE CONCRETE FILL.

NOTE:
THE GRATE UNIT FOR THE TREE WELL SHALL CONSIST OF 2–GRATE SECTIONS. EACH GRATE SECTION SHALL MEASURE 24"X48"X1–1/4" AND BE CONSTRUCTED OF GRAY CAST IRON, CLASS 30 W/ A MINIMUM WEIGHT OF 150 LBS/SECTION OR 300 LBS/UNIT. EQUAL OR BETTER CORROSION RESISTANCE MATERIAL MAY BE SUBSTITUTED UPON PRIOR APPROVAL OF THE ENGINEER.

APPROVED BY

DIRECTOR, ENGINEERING SERVICES P. MIKE TAYLOR, P.E.

PRINCIPAL ENGINEER, DESIGN GARY S. NELSON, P.E.

ADOPTED: 11/1991
REVISED: 09/2010
SUPERSEDES: 10/1995
CHECKED BY: JAG
SCALE: NTS
DWG/REV. BY: DGB/SRM

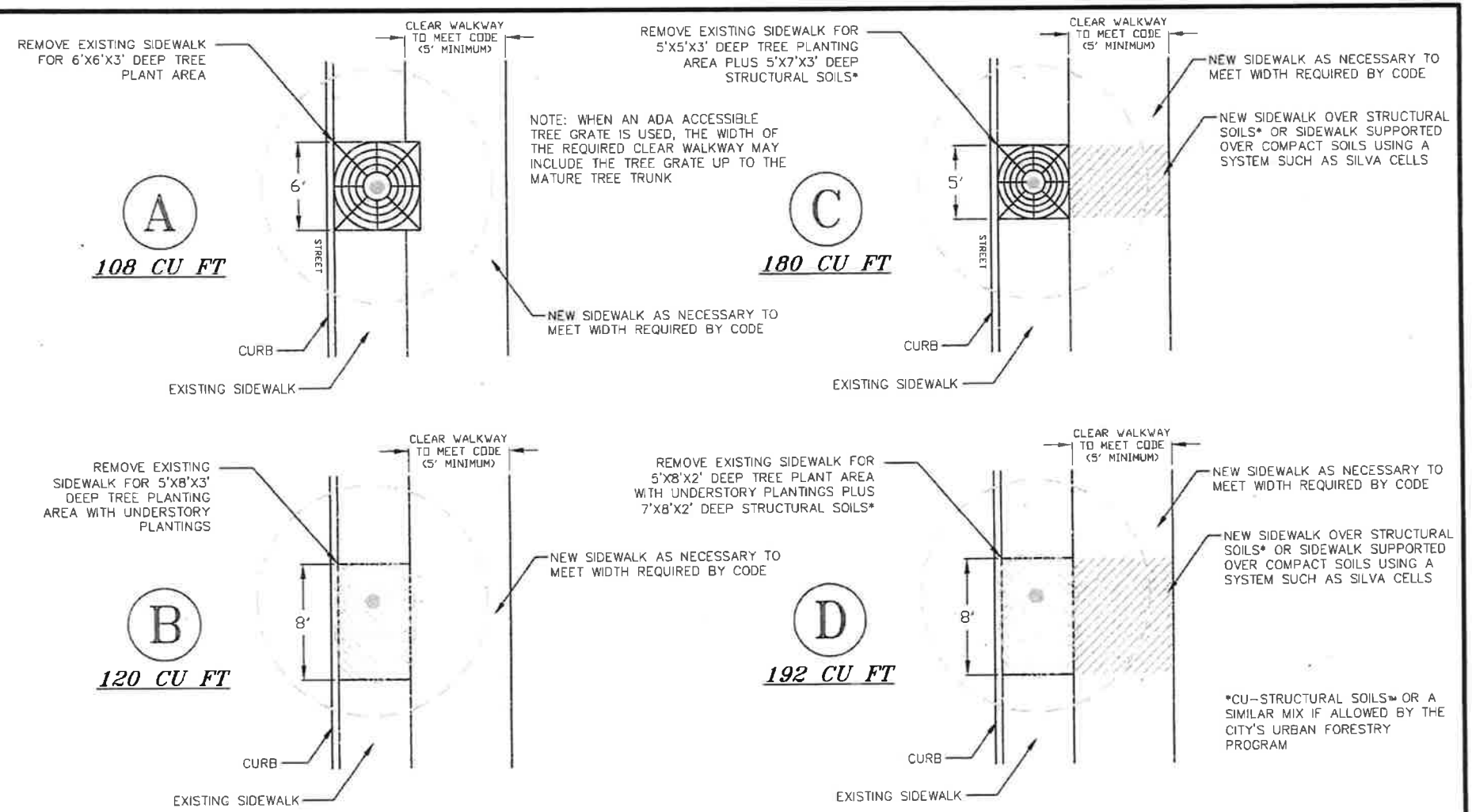
TREE WELL BLOCKOUT
FOR 48" X 1–¼" METAL GRATE

SPOKANE

ENGINEERING SERVICES
CITY OF SPOKANE, WASHINGTON

STANDARD PLAN No. F–107

Back to Section F - TOC



EXISTING SIDEWALK RETROFIT – POSSIBLE OPTIONS TO PROVIDE 100 CU FT OF UNCOMPACTED SOIL FOR STREET TREES.

SOIL IS THE KEY FACTOR FOR TREE HEALTH, BUT IN AN URBAN SETTING IT'S ALMOST IMPOSSIBLE TO PROVIDE IDEAL SOIL VOLUMES. THE CITY OF SPOKANE HIGHLY ENCOURAGES BUILDING PERMIT APPLICANTS TO CONSIDER PROVIDING AS MUCH UNCOMPACTED SOIL AS POSSIBLE FOR TREES, AND REQUIRES AT LEAST 100 CU FT (MAX 3' DEPTH MAY BE FACTORED INTO VOLUME). A PERMIT IS NECESSARY TO PLANT A TREE IN PUBLIC RIGHT OF WAY; PLEASE CONTACT THE URBAN FORESTRY PROGRAM AT (509) 363-5470. COURTESY OF THE URBAN DESIGN SECTION OF THE PLANNING SERVICES DEPARTMENT.

APPROVED BY	ADOPTED: 09/2010	EXISTING SIDEWALK RETROFIT OPTIONS FOR STREET TREE INSTALLATION	
DIRECTOR, ENGINEERING SERVICES P. MIKE TAYLOR, P.E.	REVISED: –		
PRINCIPAL ENGINEER, DESIGN GARY S. NELSON, P.E.	SUPERSEDES: –		
	CHECKED BY: JAG	SPOKANE ENGINEERING SERVICES CITY OF SPOKANE, WASHINGTON	STANDARD PLAN No. F-107A
	SCALE: NTS		
	DWG/REV. BY: MBM		

FILE NO.DRB 1919

DESIGN REVIEW BOARD

Glover Middle School

1 - Program Review/Collaborative Workshop

September 25, 2019

From:	To:	CC:
Design Review Board Steven Meek, Chair c/o Dean Gunderson, DRB Secretary Planning & Development 808 W. Spokane Falls Blvd. Spokane, WA 99201	Kris Jeske, AIA NAC Architecture Spokane School District	Heather Trautman, Planning Director Donna deBit, Development Services

Based on review of the materials submitted by the applicant and discussion during the September 25, 2019 Collaborative Workshop the Design Review Board recommends the following advisory actions:

1. **The applicant shall continue to develop and preserve the sense of "base and top" as presented in the current design for the building.**

   Please see the following Comprehensive Plan Goals and Policies*:* DP 1.2 New Development in Established Neighborhoods, DP 2.6 Building and Site Design
   Please see the following Spokane Municipal Code(s): *SMC 17C.110.560 Massing*

2. **The applicant is encouraged to explore options for compatibility with micro-mobility accommodations along Belt Street.**

   Please see the following Comprehensive Plan Goals and Policies*:* LU 6.5 Schools as a Neighborhood Focus, TR GOAL B: PROVIDE TRANSPORTATION CHOICES, TR GOAL F: ENHANCE PUBLIC HEALTH & SAFETY, TR 1 Transportation Network For All Users, TR 5 Active Transportation, TR 14 Traffic Calming, TR 20 Bicycle/Pedestrian Coordination, NE 13.1 Walkway and Bicycle Path System, NE 13.2 Walkway and Bicycle Path Design, and N 4.5 Multimodal Transportation.

3. **The applicant is encouraged to continue to explore improved pedestrian accommodations along the south side of the site (along Longfellow Avenue).**

   Please see the following Comprehensive Plan Goals and Policies*: :* LU 6.5 Schools as a Neighborhood Focus, TR GOAL B: PROVIDE TRANSPORTATION CHOICES, TR GOAL F: ENHANCE PUBLIC HEALTH & SAFETY, TR 1 Transportation Network For All Users, TR 5 Active Transportation, TR 14 Traffic Calming, TR 20 Bicycle/Pedestrian Coordination, NE 13.1 Walkway and Bicycle Path System, NE 13.2 Walkway and Bicycle Path Design, and N 4.5 Multimodal Transportation.

4. **The applicant shall continue to investigate materials and color palette in line with the bowl-and-pitcher metaphor.**

   Please see the following Comprehensive Plan Goals and Policies*:* LU 5.1 Built and Natural Environment, DP 1.2 New Development in Established Neighborhoods, and DP 2.6 Building and Site Design.

5. **The applicant is encouraged to pursue sustainable, native landscaping that also reinforces the level of boldness represented by the architecture (even to the extent that it may reinforce a sense of base).**

   ***Please see the following Comprehensive Plan Goals and Policies**:* LU 5.2 Environmental Quality Enhancement, LU 6.2 Open Space, DP 1.2 New Development in Established Neighborhoods, DP 2.6 Building and Site Design, and DP 2.15 Urban Trees and Landscape Areas.
   Please see the following Spokane Municipal Code(s): SMC 17C.110.525 Landscaped Areas, SMC 17C.110.545 Transitions between Institutional and Residential Development, and SMC 17C.110.560 Massing.

These Advisory Actions were unanimously approved by the Design Review Board by a vote of 7/0.

Steven Meek, Chair, Design Review Board

Note: Supplementary information, audio tape and meeting summary are on file with City of Spokane Design Review Board.

Spokane City Project Charter

Project Title	New Design Guidelines
Project Sponsor	TBD (Karen Stratton)
Project Manager	Dean Gunderson, Neighborhood and Planning Services/Sr. Urban Designer
Date Prepared	December 17, 2019

Project Description:

This project entails crafting new design guidelines for *Public Projects and Structures*, *Skywalks over Public Rights-of-Way*, and *City-Wide (or Base) Guidelines*. Additionally, the City also needs to evaluate the worth of continuing with design review of *Planned Unit Developments* (PUDs). If it is determined that there is significant value in continuing design review for PUDs then the City will need Design Guidelines (and possible project review process improvements) for this project type.

Project Purpose:

The purpose of Design Review is contained in SMC 04.13.015 Design Review Purpose.

The key instrument used to provide this level of communication, flexibility, and aesthetic achievement is the set of adopted Design Guidelines. This purpose of this project is to work with the key stakeholders and the public to craft and adopt new Design Guidelines for the following project types subject to design review: *Public Projects and Structures*, *Skywalks over Public Rights-of-Way*, and *City-Wide (or Base) Guidelines*, and possibly *Planned Unit Developments*.

Benefit:

These new Design guidelines will limit the degree of frustration experienced by the community, applicants, and the Design Review Board when reviewing the aforementioned project types, as these project types do not yet have any adopted design guidelines.

Project Priorities:

- Provide clarity on design objectives for all project types subject to design review.
- Provide similar review criteria and threshold structures for all project types subject to design review.
- Identify improvements to the design review process for the aforementioned project types.

Project Deliverables / High-Level Outcomes:

- New Design Guidelines for:
  - Public Projects and Structures (with design review thresholds),
  - Skywalks over Public Rights-of-Way,
  - Planned Unit Developments, and process improvements (if required), and
  - City-wide/Base Design Guidelines

Project Budget: $35,000

- **Consultant Team** will be responsible for:

  Phase I – Research and Engagement

  - Task 1: Research + Preparation
    Duration: One month
    Disbursement: **$4,000** (research synopsis)
  - Task 2: Preparation for Workshop #1
    Duration: One month
    Disbursement: **$4,000** (draft of prep. material for workshop #1 & draft Memo #1)
  - Task 3: Workshop #1
    Duration: One month
    Disbursement: **$10,000** (completion of workshop #1 & final Memo #1)

  Phase II – Recommendations

  - Task 4: Summary of Workshop Results
    Duration: One month
    Disbursement: **$4,000** (summary)
  - Task 5: Preparation for Workshop #2
    Duration: One month
    Disbursement: **$9,000** (draft of prep. Material for workshop #2 & draft Memo #2)
  - Task 6: Workshop #2
    Duration: One month
    Disbursement: **$4,000** (summary of workshops & final design guideline outline)

  Total Disbursement: $35,000

  Written Content
  - Memo #1: Will cover the existing conditions and work to-date on design review, and an assessment of best practices for design review conducted by board- or committee-level groups from at least three cities with a similar regulatory framework as the City of Spokane.
  - Memo #2: Will cover outlines for proposed guidelines (including recommendations for PUDs), and any necessary amendments to streamline the review process.

- **City Project Team** will be responsible for:
  - Providing background material for consultant team, and review of deliverables.
  - Providing public engagement venues (social media, etc.).
  - Providing stakeholder contacts.
  - Coordinating meetings with Stakeholders and members of the Public.
  - Writing the new Design Guidelines using the outline provided by the consultant.
  - Taking the Design Guidelines through the formal adoption process.

Spokane City Project Charter

Project Timeline:

Project Team:

Project Team Members	Title/(Agency or Department)
Dean Gunderson (Project Manager)	Sr. Urban Designer, Neighborhood and Planning Services
Taylor Berberich	Urban Designer, Neighborhood and Planning Services
Louis Meuler	Interim Planning Director, Neighborhood and Planning Services

Technical Working Group:

The technical working group's composition may shift depending on the project type being discussed, but the intent of the working group is to support the development and review of materials and provide guidance on regulatory, technical, and policy discussions. Proposed representatives include:

- City of Spokane, Business and Development Services
- City of Spokane, Integrated Capital Management
- City of Spokane, Parks & Recreation Department
- City of Spokane, Public Works
- City of Spokane, Legal Department
- Allied Professionals (AIA, ASLA, APA)
- Joint DRB/PC Subcommittee

Stakeholders:

The following is a list of external stakeholders for the project (broken down by project type), not an exhaustive list:

- Public Projects and Structures
  - Public Schools District #81
  - Spokane Transit Authority
  - Washington Public Universities (EWU, WSU)
  - Spokane Community College System (SCC, SFCC)
  - Spokane Transit Authority
  - Spokane Public Libraries
  - Spokane Public Facilities District
- Skywalks over Public Rights-of-Way
  - Downtown Spokane Partnership
  - Business and Property Owners in the Downtown
- City-wide/Base
  - AIA Spokane
  - WASLA
  - WAPA (Inland Empire Section)
  - Joint DRB/PC Subcommittee
  - Spokane Public Works/Environmental Programs
- Planned Unit Developments
  - Neighborhood Councils
  - Greenstone
  - Home Builders Association

Approvals

Sponsor Signature: _____

Sponsor Name: **<Name, Department/Title>**

Date: _____

Project Manager Signature: _____

Spokane City Project Charter

Project Manager Name: Dean Gunderson, Neighborhood and Planning Services/Sr. Urban Designer

Date: _____