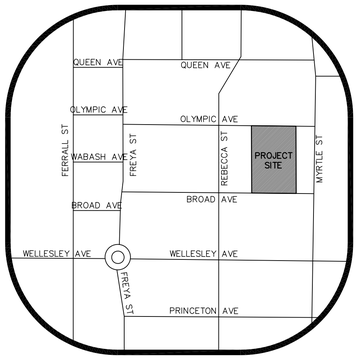
CEDAR STORAGE

IN A PORTION OF THE SE 1/4 OF SEC.34 T26N, R43 EWM
CITY OF SPOKANE, WASHINGTON



VICINITY MAP – N.T.S.

SITE INFORMATION

PROJECT OWNER
CEDAR STORAGE LLC
907 E. ROSEWOOD AVE.
SPOKANE, WA 99208–5509

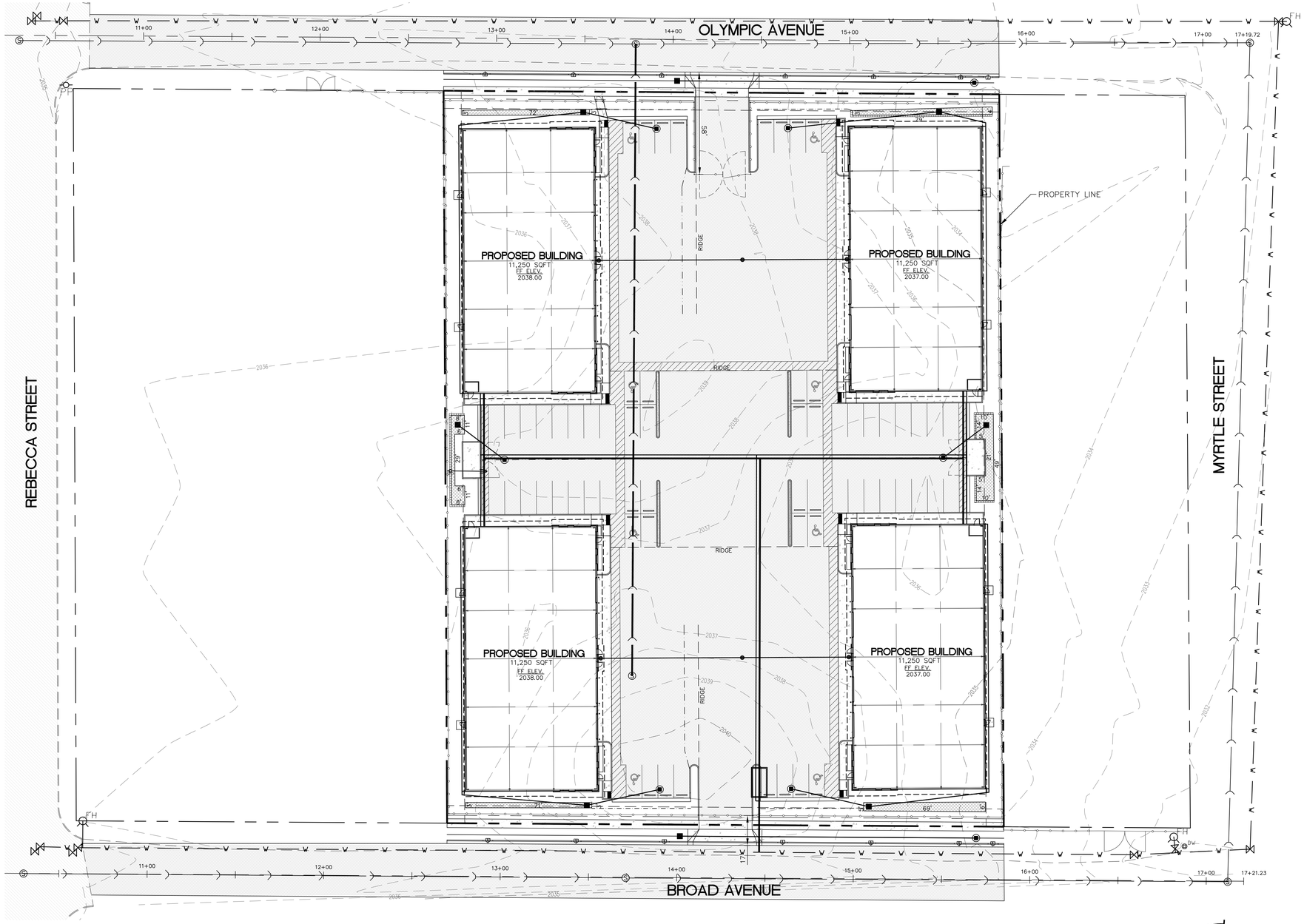
CONTACT
CHAD MCDONALD, PROBUILDERS
PHONE: 509–570–3994
EMAIL: CHADM@PROBUILDERSWA.COM

PROPERTY OWNER
CEDAR STORAGE LLC
907 E. ROSEWOOD AVE.
SPOKANE, WA 99208–5509

PROJECT ADDRESS:
3830 E. OLYMPIC AVE.
SPOKANE, WA 99217

PARCEL NUMBER:
36344.1604

PAGE SUMMARY



ENGINEER'S CERTIFICATION

THE DESIGN IMPROVEMENTS SHOWN IN THIS SET OF PLANS CONFORM TO THE APPLICABLE EDITIONS OF THE CITY OF SPOKANE STANDARDS FOR ROAD AND SEWER CONSTRUCTION AND 2008 REGIONAL STORMWATER MANUAL. I APPROVE THESE PLANS FOR CONSTRUCTION.

AARON C. SIMPSON — STATE OF WASHINGTON — 6/21/21 — 23460 — REGISTERED PROFESSIONAL ENGINEER

Aaron C. Simpson 6/7/21
ENGINEER DATE

DEVELOPER DATE

NOTE:
EXACT LOCATIONS, SIZES AND DEPTHS OF UNDERGROUND UTILITIES ARE NOT KNOWN. UNDERGROUND UTILITIES SHOWN ARE TAKEN FROM EXISTING RECORDS AND ARE SHOWN FOR CONVENIENCE OF THE CONTRACTOR ONLY. THE CONTRACTOR IS RESPONSIBLE TO "CALL BEFORE YOU DIG 456–8000", AND SHALL CONTACT ALL UTILITY OWNERS AND CONFIRM LOCATIONS OF UTILITIES BEFORE DIGGING AND TO COORDINATE AND COOPERATE FULLY WITH EXISTING UTILITY DISTRICTS AND COMPANIES.

UNDERGROUND SERVICE ALERT
ONE–CALL NUMBER
1–800
424–5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG

ELEVATIONS ARE TO NAVD88 DATUM
SE 1/4 SEC. 34, T.26, R.43 E.W.M.

0 15 30 60

SIMPSON ENGINEERS, INC.

C1.0

BY	REVISIONS	DATE	PROJ.	FROM	AS BUILT	TO	ACCEPT

GRADE ORDINANCE LIST

FROM	TO	ORD. NO.	DATE	FILE NO.

DATUM
ELEVATION NAVD88 2040.193 (USFt)
LOCATION WSDOT GP32395–194 BRASS DISK IN CONC.

SCALE
HORIZONTAL 1":30'
VERTICAL

DATE	
06/21	DRAWN NAM
06/21	CHECKED ACS
06/21	APPROVED ACS

CITY OF SPOKANE, WASHINGTON
DEPARTMENT OF ENGINEERING SERVICES

CEDAR STORAGE
COVER SHEET
COMMERCIAL BUILDINGS

TYPE OF IMPROVEMENT: COVER
PROJECT NUMBER | PLAN NUMBER
1 OF 6
34–25–43

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CEDAR STORAGE

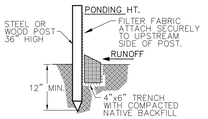
IN A PORTION OF THE SE 1/4 OF SEC.34 T26N, R43 EWM
CITY OF SPOKANE, WASHINGTON

TEMPORARY EROSION AND SEDIMENT CONTROL NOTES

1. The following construction sequence shall be followed in order to best minimize the potential for erosion and sediment control problems:
   (a) Clear and grub and rough grade sufficiently of temporary ESC BMPs;
   (b) Install temporary ESC BMPs, constructing sediment trapping BMPs as one of the first steps prior to grading;
   (c) Clear, grub and rough grade for roads, temporary access and utility locations;
   (d) Stabilize roadway approaches and temporary access points with the appropriate construction entry BMP;
   (e) Clear, grub and grade individual lots or groups of lots;
   (f) Temporarily stabilize, through re-vegetation or other appropriate BMPs, lots or groups of lots in situations where substantial cut or fill slopes are a result of the site grading;
   (g) Construct roads, buildings, permanent stormwater facilities (i.e.. inlets, ponds, UIC facilities, etc..);
   (h) Protect all permanent stormwater facilities utilizing the appropriate BMPs;
   (i) Install permanent ESC controls, when applicable; and,
   (j) Remove temporary ESC controls when:
2. Permanent ESC controls, when applicable, have been completely installed;
3. All land-disturbing activities that have the potential to cause erosion or sedimentation problems have ceased; and,
4. Vegetation has been in the areas noted as requiring vegetation on the accepted ESC plan on file with the local jurisdiction.
5. Inspect all roadways, at the end of each day, adjacent to the construction access route. If it is evident that sediment has been tracked off site and/or beyond the roadway approach, cleaning is required.
6. If sediment removal is necessary prior to street washing, it shall be removed by shoveling or pickup sweeping and transported to a controlled sediment disposal area.
7. If street washing is required to clean sediment tracked off site, once sediment has been removed, street wash wastewater shall be controlled by pumping back on-site or otherwise prevented from discharging into systems tributary to waters of the state.
8. Restore construction access route equal to or better than the pre-construction condition.
9. Retain the duff layer, native topsoil, and natural vegetation in an undisturbed state to the maximum extent practical.
10. Inspect sediment control BMPs weekly at a minimum, daily during a storm event, and after any discharge from the site (stormwater are non-stormwater). The inspection frequency may be reduced to once a month if the site is stabilized and inactive.
11. Control fugitive dust from construction activity in accordance with the state and/or local air qualities with jurisdiction over the project area.
12. Stabilize exposed unworked soils (including stockpiles), whether at final grade or not, within 10 days during the regional dry season (July 1 through September 30) and within 5 days during the regional wet season (October 1 through June 30). Soils must be stabilized at the end of a shift before a holiday weekend if needed based on the weather forecast. This time limit may not only be adjusted by a local jurisdiction with a "Qualified Local Program," if it can be demonstrated that the recent precipitation justifies a different standard and meets the requirements set forth in the Construction Stormwater General Permit.
13. Protect inlets, drywells, catch basins and other stormwater management facilities from sediment, whether or not facilities are operable.
14. Keep roads adjacent to inlets clean.
15. Inspect inlets weekly at a minimum and daily during storm events.
16. Construct stormwater facilities (detention/retention storage pond or swales) before grading begins. These facilities shall be operational before the construction of impervious site improvements.
17. Stockpile materials (such as topsoil) on site, keeping off of roadway and sidewalks.
18. Cover, contain and protect all chemicals, liquid products, petroleum product, and non-inert wastes present on site from vandalism (see Chapter 173-304 WAC for the definition of inert waste), use secondary containment for on-site fueling tanks.
19. Conduct maintenance and repair of heavy equipment and vehicles involving oil changes, hydraulic system repairs, solvent and de-greasing operations, fuel tank drain down and removal, and other activities that may result in discharge or spillage of pollutants to the ground or into stormwater runoff using spill prevention measures, such as drip pans. Clean all contaminated surfaces immediately following any discharge or spill incident. If raining over equipment or vehicle, perform emergency repairs on site using temporary plastic beneath the vehicle.
20. Conduct application of agricultural chemicals, including fertilizers and pesticides, in such a manner, and at application rates, that inhibits the loss of chemicals into stormwater runoff facilities. Amend manufacturer's recommended application rates and procedures to meet this requirement, if necessary.
21. Inspect on a regular basis (at a minimum weekly, and daily a runoff producing storm event) and maintain all erosion and sediment control BMPs to ensure successful performance of the BMPs. Note that inlet protection devices shall be cleaned or removed and replaced before six inches of sediment can accumulate.
22. Remove temporary ESC BMPs within 30 days after the temporary BMPs are no longer needed. Permanently stabilize areas that are disturbed during the removal process.

SILT FENCE SECTION

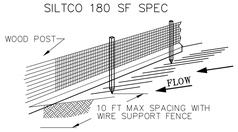
NOT TO SCALE



SILT FENCE DETAIL

NOT TO SCALE

SILTCO 180 SF SPEC



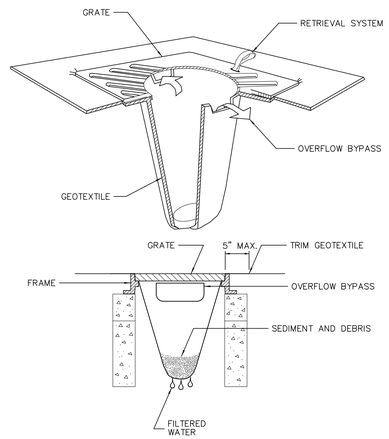
SILT FENCE NOTES

1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
2. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY
3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.
4. TEMPORARY SILT FENCE LOCATION SHOWN ON THIS PLAN IS SCHEMATIC IN NATURE. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROLLING ALL SILT RUNOFF DURING CONSTRUCTION.

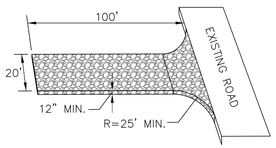
INLET PROTECTION – 2

NOTES:

1. INLET PROTECTION MUST BE REGULARLY INSPECTED BY THE EROSION CONTROL INDIVIDUAL TO INSURE PROPER PLACEMENT/FUNCTION AND MAINTENANCE.
2. WHEN REMOVING FILTER FABRIC AFTER CONSTRUCTION, CONTRACTOR MUST NOT ALLOW ANY MATERIAL TO SPILL INTO INLET TO PREVENT CONTAMINATION.



STABILIZED CONSTRUCTION ENTRANCE



* MATERIAL SHOULD BE QUARRY SPALLS (WHERE FEASIBLE), 4 INCHES TO 8 INCHES SIZE.
* THE ROCK PAD SHALL BE AT LEAST 12 INCHES THICK.
* WIDTH SHALL BE THE FULL LENGTH OF THE VEHICLE EGRESS AREA (MINIMUN 20 FEET).
* ADDITIONAL ROCK SHOULD BE ADDED PERIODICALLY TO MAINTAIN PROPER FUNCTION OF THE PAD.
* SEE FIGURE II-5.4 PER SPOKANE COUNTY STORMWATER MANAGEMENT MANUAL.

NOTE:
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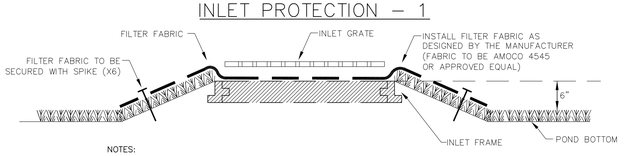
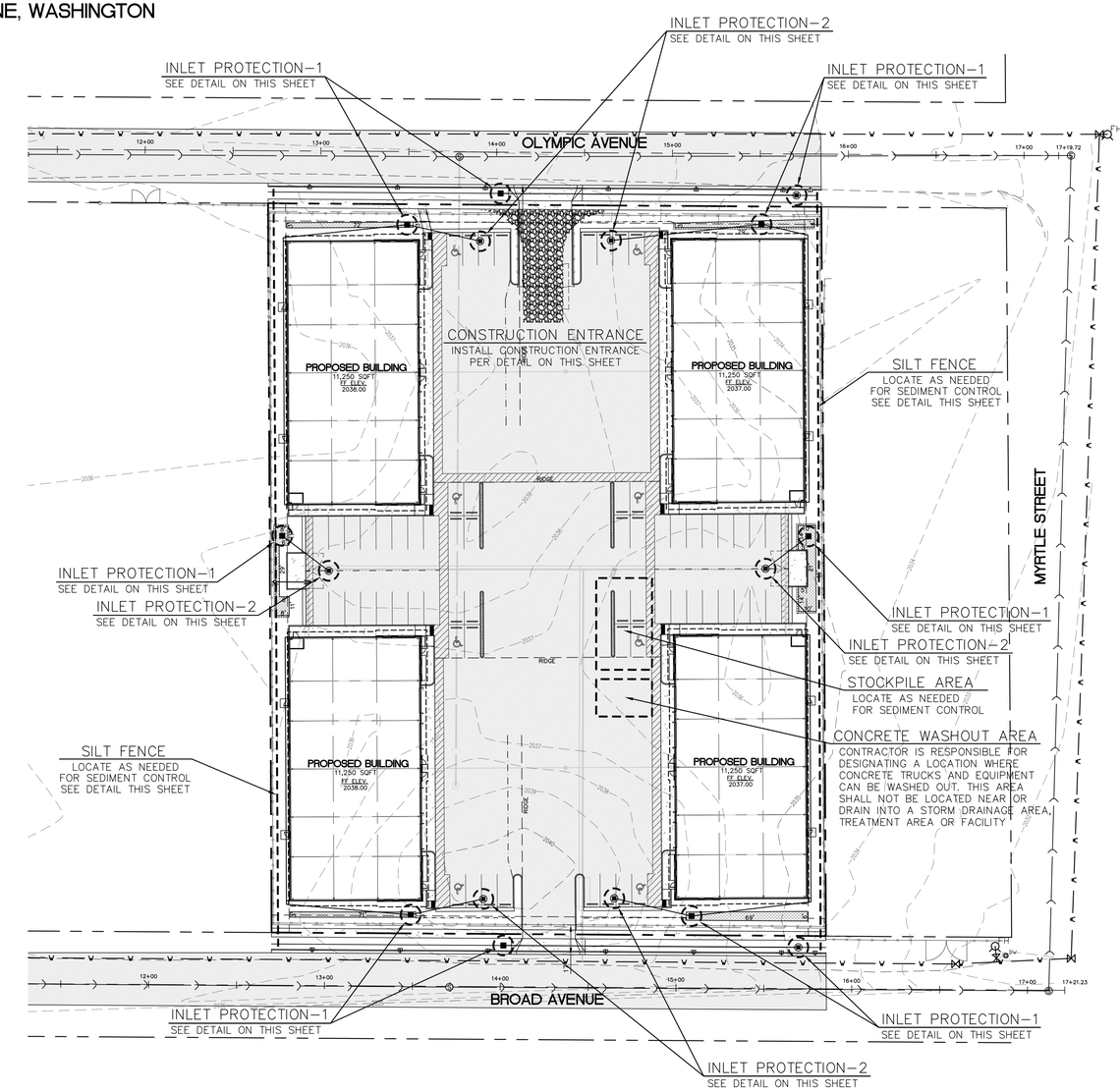
UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG

INLET PROTECTION – 1



NOTES:

1. ADDITIONAL MEASURES MUST BE CONSIDERED DEPENDING ON SOIL TYPE.
2. INLET PROTECTION MUST BE REGULARLY INSPECTED BY THE EROSION CONTROL INDIVIDUAL TO INSURE PROPER PLACEMENT/FUNCTION AND MAINTENANCE.
3. WHEN REMOVING FILTER FABRIC AFTER CONSTRUCTION, CONTRACTOR MUST NOT ALLOW ANY MATERIAL TO SPILL INTO DRYWELL TO PREVENT DRYWELL CONTAMINATION.
4. THIS INLET PROTECTION METHOD SHOULD ONLY BE USED IN SWALE SITUATIONS, WHERE THE SWALE FLOOR IS SLOPED UP TO MATCH THE TOP OF GRATE ELEVATION.



ENGINEER'S CERTIFICATION FOR ESC PLAN

THE RECOMMENDED PROVISIONS SHOWN IN THIS EROSION & SEDIMENT CONTROL PLAN MEET THE APPLICABLE REQUIREMENTS FOR ESC PLANS AS LISTED IN CHAPTER 9 OF THE 2008 REGIONAL STORMWATER MANAGEMENT. I APPROVE THIS PLAN FOR CONSTRUCTION.

ALAN C. SIMPSON — STATE OF WASHINGTON — 43460 — REGISTERED PROFESSIONAL ENGINEER — 6/21/21

Alan C. Simpson — 6/7/21
ENGINEER — DATE

ELEVATIONS ARE TO NAVD88 DATUM
SE 1/4 SEC. 34, T.26, R.43 E.W.M.

0 20 40 80

SIMPSON ENGINEERS, INC.

C1.1

BY	REVISIONS	DATE	PROJ.	FROM	AS BUILT	TO	ACCEPT

GRADE ORDINANCE LIST

FROM	TO	ORD. NO.	DATE	FILE NO.

DATUM
ELEVATION NAVD88 2040.193 (USFt)
LOCATION WSDOT GP32395-194 BRASS DISK IN CONC.

SCALE
HORIZONTAL 1"=30'
VERTICAL

DATE		
06/21	DRAWN	NAM
06/21	CHECKED	ACS
06/21	APPROVED	ACS

CITY OF SPOKANE, WASHINGTON
DEPARTMENT OF ENGINEERING SERVICES

CEDAR STORAGE
TEMPORARY EROSION SHEET
COMMERCIAL BUILDINGS

TYPE OF IMPROVEMENT: TESC

PROJECT NUMBER	PLAN NUMBER
	2 OF 6 34-25-43

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CEDAR STORAGE

IN A PORTION OF THE SE 1/4 OF SEC.34 T26N, R43 EWM
CITY OF SPOKANE, WASHINGTON

CONSTRUCTION NOTES

ALL STREET AND DRAINAGE WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH THE "CITY OF SPOKANE SUPPLEMENTAL SPECIFICATIONS", AS AMENDED, AND PER THE LATEST EDITION OF STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION AS PUBLISHED BY THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (W.S.D.O.T.) AND BY THE AMERICAN PUBLIC WORKS ASSOCIATION (APWA).

LOCATIONS OF EXISTING UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. ANY CONFLICTING UTILITIES SHALL BE RELOCATED PRIOR TO CONSTRUCTION OF ROAD, DRAINAGE AND UTILITY FACILITIES. CONTRACTOR SHALL COORDINATED WITH UTILITY COMPANIES FOR RELOCATION OF POWER POLES, LIGHTS, TELEPHONE AND/OR OTHER UTILITIES THAT MAY CONFLICT WITH CONSTRUCTION.

THE CONTRACTOR IS REQUIRED TO HAVE A COMPLETE SET OF THE APPROVED PLANS ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS. CONTRACTOR SHALL ALSO MAINTAIN ON THE SITE A COMPLETE SET OF RED LINE RECORD DRAWINGS INDICATING ALL CHANGES FROM THE APPROVED AND BID DRAWINGS.

IF THE CONTRACTOR DISCOVERS ANY DISCREPANCIES BETWEEN THE PLANS AND EXISTING CONDITIONS ENCOUNTERED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER.

PRIOR TO SITE CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR LOCATING EXISTING UNDERGROUND UTILITIES. CALL THE UNDERGROUND UTILITY LOCATION SERVICE AT 456-8000 "CALL BEFORE YOU DIG."

ALL CONSTRUCTION SHALL BE COORDINATED WITH THE CITY OF SPOKANE WHO WILL PROVIDE INSPECTION FOR THEIR FACILITIES, INFRASTRUCTURE AND STORMWATER FACILITIES.

CONTRACTOR IS RESPONSIBLE FOR REPAIR OF ANY DAMAGE TO ADJACENT EXISTING PROPERTIES OR IMPROVEMENTS. CONTRACTOR IS RESPONSIBLE FOR CLEAN-UP OF ANY AREAS DISTURBED BY HIS/HER ACTIVITIES.

THE CONTRACTOR SHALL PROVIDE A TRENCH EXCAVATION SAFETY SYSTEM, PER CHAPTER 39.04 RCW, MEETING THE PROVISIONS OF THE WASHINGTON INDUSTRIAL SAFETY AND HEALTH ACT, CHAPTER 49.17 RCW FOR ALL TRENCHES IN EXCESS OF FOUR (4) FEET DEEP. NEITHER THE ENGINEER NOR THE OWNER WILL REVIEW, APPROVE OR HAVE ANY LIABILITY FOR THE ADEQUACY OF THE CONTRACTOR'S TRENCH EXCAVATION SAFETY SYSTEM.

SITE EXCAVATION SHALL CONFORM TO SECTION 2-03 OF THE W.S.D.O.T. STANDARD SPECIFICATIONS. EMBANKMENTS TO BE CONSTRUCTED ACCORDING TO THE APPLICABLE PARAGRAPHS OF SECTION 2-03 OF THE W.S.D.O.T. STANDARD SPECIFICATIONS. EARTH EMBANKMENTS TO BE CONSTRUCTED USING METHOD B OF 2-03.3(14)C.

ALL FILL AREAS OUTSIDE OF EMBANKMENT SHALL BE COMPACTED IN MAXIMUM 8" LIFTS TO 92% OF MAXIMUM ASTM D 1557 DRY DENSITY. PAVEMENT SUBGRADE SHALL BE COMPACTED TO 95%.

MARKING TAPE SHALL BE INSTALLED IN EXCAVATION TRENCH AT MID DEPTH LOCATION FOR ALL UNDERGROUND UTILITIES FOR THE PURPOSE OF ALERTING ANY FUTURE EXCAVATION IN THE SPECIFIC AREA.

STORMWATER FACILITIES, INCLUDING DRYWELLS, CB'S, PIPES, AND INFILTRATION GALLERIES, MUST BE CONSTRUCTED UNDER THE SUPERVISION OF THE WASTEWATER MANAGEMENT DIVISION. STORMWATER TREATEMENT FACILITIES (208 SWALE) SHALL BE INSPECTED PRIOR TO PLACEMENT OF TOPSOIL, PLANTINGS, OR GRASS. THE CONTRACTOR SHALL CONTACT THE WASTEWATER MAINTENANCE DIVISION OFFICE AT (509) 625-7905 OR (509) 625-7912 IN ORDER TO ARRANGE A MUTUALLY AGREEABLE INSPECTION SCHEDULE.

ALL APPROVALS AND PERMITS REQUIRED BY THE CITY OF SPOKANE SHALL BE OBTAINED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. AN OBSTRUCTION PERMIT IS REQUIRED FOR ALL WORK WITHIN THE CITY RIGHT-OF-WAY.

ALL BROKEN HEAVED OR SUNKEN SIDEWALK AND CURBS ADJACENT TO THE PROJECT WILL BE REPLACED OR REPAIRED WHETHER CAUSED BY CONSTRUCTION OR NOT.

NO REVISIONS SHALL BE MADE TO THE PLANS WITHOUT PRIOR APPROVAL FROM THE CITY OF SPOKANE AND THE DESIGN ENGINEER OF RECORD.

PROPOSED PIPE TABLE:

STORM PIPE TO BE AS NOTED BELOW

PIPE NO.	LENGTH	SIZE(in.)	GRADE	MATERIAL
P-1	42.5	8	0.0200	PVC
P-2	86.1	8	0.0200	PVC
P-3	33.2	8	0.0200	PVC
P-4	30.5	8	0.0200	PVC
P-5	42.2	8	0.0200	PVC
P-6	45.1	8	0.0200	PVC

STORMWATER STRUCTURES:

- DRYWELL TYPE-1 OR TYPE-2, C.O.S. STD. PLAN B-102(C&D) AS SPECIFIED BELOW
- CAST IRON FRAME AND GRATE COVER, C.O.S. STD. PLAN B-113
- CATCH BASIN TYPE-0, C.O.S. STD. PLAN

DW-1 TYPE-2 SOLID LID RIM: 2036.58 IE: 2031.73(CB)

DW-2 TYPE-2 SOLID LID RIM: 2035.57 IE: 2030.22(CB)

DW-3 TYPE-2 SOLID LID RIM: 2036.09 IE: 2032.24(CB)

DW-4 TYPE-1 SOLID LID RIM: 2035.01 IE: 2030.74(CB)

DW-5 TYPE-2 SOLID LID RIM: 2036.58 IE: 2031.74(CB)

DW-6 TYPE-2 SOLID LID RIM: 2035.57 IE: 2030.18(CB)

CB-1 RIM: 2036.50 IE(IN): 2030.00 IE(OUT): 2030.00

CB-2 RIM: 2034.40 IE(IN): 2029.88 IE(OUT): 2029.88

CB-3 RIM: 2035.30 IE(OUT): 2031.63

CB-4 RIM: 2034.00 IE(OUT): 2030.33

CB-5 RIM: 2036.50 IE(IN): 2030.00 IE(OUT): 2030.00

CB-6 RIM: 2035.00 IE(IN): 2029.05 IE(OUT): 2029.05

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ENGINEER — DATE 6/7/21

DEVELOPER — DATE

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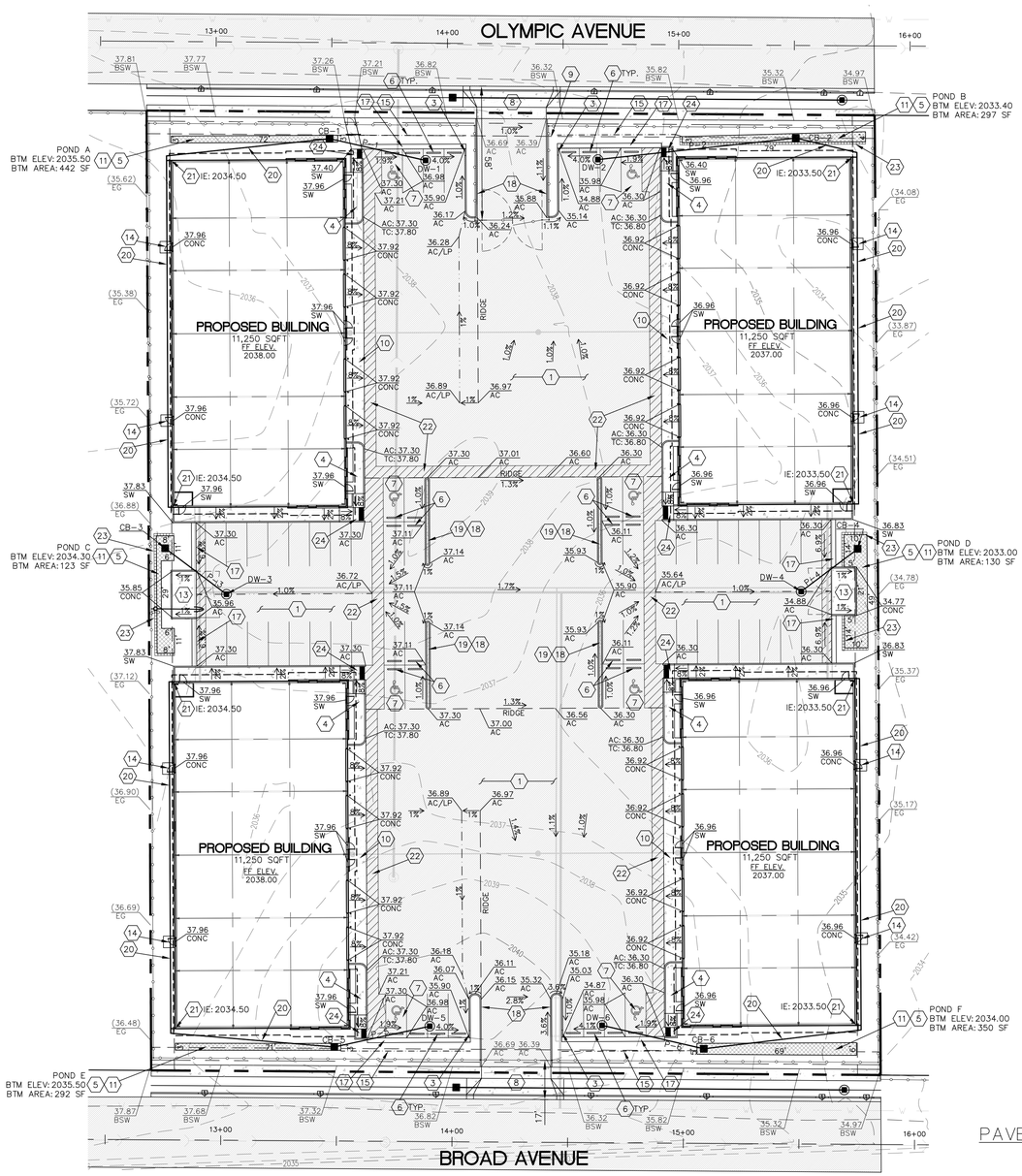
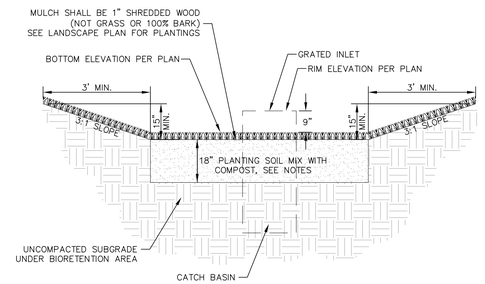


CONSTRUCTION NOTES - C.O.S.

1. INSTALL ASPHALT PAVEMENT, SEE DETAIL THIS SHEET
2. INSTALL CONCRETE CURB PER C.O.S. STD. PLAN F-106 (R: 3' UNLESS NOTED)
3. CONSTRUCT 1.5' NOSEDOWN CURB TO FINISHED GRADE
4. INSTALL 5' CURB AND SIDEWALK PER C.O.S. STD. PLAN F-102B
5. CONSTRUCT BIO-RETENTION W/ OVERFLOW STRUCTURE PER STORMWATER MANAGEMENT MANUAL OF EASTERN WASHINGTON, SEE DETAIL THIS SHEET
6. INSTALL WHEEL STOP, 2' MEASURED FROM FACE OF WHEEL STOP TO EDGE OF PAVEMENT
7. INSTALL VAN ACCESSIBLE PARKING STALL PER C.O.S. STD. PLANS G-54 AND G-80A
8. CONSTRUCT 30' WIDE CONCRETE DRIVEWAY APPROACH, PER C.O.S. STD. PLANS F-104
9. INSTALL 2.5' WIDE CURB DROP INLET PER C.O.S. STD. PLAN F-109
10. INSTALL 8' WIDE, 0" EXPOSURE, CONCRETE PAD FROM PROPOSED BUILDING TO PROPOSED ASPHALT
11. INSTALL BASALT MULCH IN POND BOTTOM
12. N/A
13. INSTALL 20'X10' WIDE CONCRETE PAD FOR REFUSE WITH L1 VISUAL SCREEN, 6' SOLID MASONRY WALL, OR SIGHT-OBSCURING FENCE WITH L2 BUFFER BETWEEN FENCE AND PROPERTY LINE
14. INSTALL 5'X5' CONCRETE PAD CENTERED ON BUILDING DOOR
    INSTALL CONCRETE STEPS AS NEEDED PER DETAIL THIS SHEET
15. INSTALL "V" DITCH, 3' WIDE WITH 3:1 SIDESLOPES, TO CONVEY WATER TO PONDS
16. INSTALL DETECTABLE WARNING PAVER, 4.5'X2.0'
17. INSTALL TYPE "S" CURB PER DETAIL THIS SHEET
18. INSTALL CONCRETE CURB PER C.O.S. STD. PLAN F-106
19. INSTALL CURB ISLAND, FILLED WITH CONCRETE
20. INSTALL TIGHTLINE, 6" PVC, S:2% MIN., 3' MINIMUM COVER.
21. CONNECT PROPOSED GUTTER DOWNSPOUTS TO TIGHTLINE IE @ BLDG = 3.5' BELOW FINISH FLOOR
22. INSTALL 5' WIDE ACCESSIBLE PATH. MAX CROSS SLOPE=2%, MAX SLOPE IN DIRECTION OF TRAVEL=5%
23. INSTALL RETAINING WALL, SEGMENTED BLOCK, MAX HEIGHT = 2.0'
24. CONSTRUCT ADA ACCESSIBLE CURB RAMP, MAX LANDING SLOPE=2%, MAX RAMP SLOPE=8.3%
    INSTALL DETECTABLE WARNING PATTERN TO FIT LANDING, MIN, 4.0' WIDE X 2.0' DEEP

BIORETENTION POND

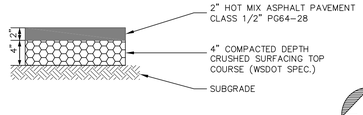
NOT TO SCALE



NOTES:
- POND BOTTOM AND SLOPES ARE TO MATCH LANDSCAPE PLANS.
- FOR SWALES AND PONDS, THE TOP 18 INCHES OF SOIL SHALL CONSIST OF A THOROUGHLY BLENDED MIX OF 35-40% COMPOST AND 60-65% MINERAL AGGREGATE.
- COMPOST CATION EXCHANGE CAPACITY (CECO SHALL BE EQUAL TO OR GREATER THAN 5 MILLIEQIVALENTS PER 100 GRAMS OF DRY SOIL.
- MINERAL AGGREGATE SHALL BE WELL-GRADED SAND PER ASTM D 2487-11 WITH COEFFICIENT OF UNIFORMITY Cu=D60/D10 GREATER THAN OR EQUAL TO 1 AND LESS THAN OR EQUAL TO 3.
- MINERAL AGGREGATE GRADATION PER TABLE 4.4.2:

SIEVE SIZE	PERCENT PASSING
3/8"	100
#4	95-100
#10	75-90
#40	25-40
#100	4-10
#200	2-5

PAVEMENT SECTION FOR PARKING



ELEVATIONS ARE TO NAVD88 DATUM

SE 1/4 SEC. 34, T.26, R.43 E.W.M.

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SIMPSON ENGINEERS, INC.

C1.2

BY	REVISIONS	DATE	PROJ.	FROM	AS BUILT	TO	ACCEPT

GRADE ORDINANCE LIST

FROM	TO	ORD. NO.	DATE	FILE NO.

DATUM
ELEVATION NAVD88 2040.193 (USFt)
LOCATION WSDOT GP32395-194 BRASS DISK IN CONC.

SCALE
HORIZONTAL 1": 30'
VERTICAL

DATE
06/21 DRAWN NAM
06/21 CHECKED ACS
06/21 APPROVED ACS

CITY OF SPOKANE, WASHINGTON
DEPARTMENT OF ENGINEERING SERVICES

CEDAR STORAGE
GRADING AND DRAINAGE SHEET
COMMERCIAL BUILDINGS

TYPE OF IMPROVEMENT: DRAINAGE
PROJECT NUMBER
PLAN NUMBER
3 OF 6
34-25-43

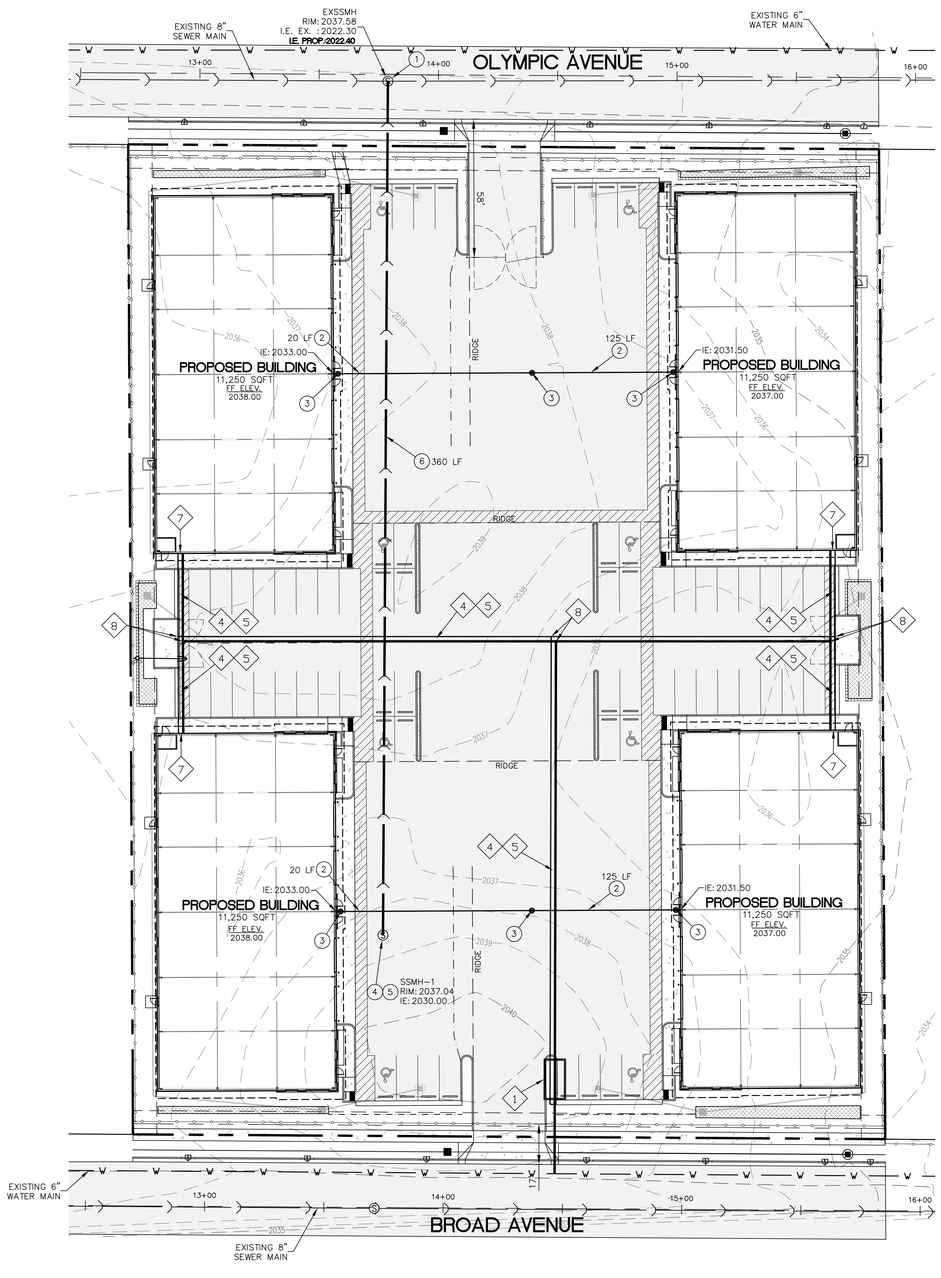
P:\Projects\17001-17500\17084-Cedar Storage\dwg\17084-Cedar Storage.dwg 7/16/2021 9:18:19 AM PDT

CEDAR STORAGE

IN A PORTION OF THE SE 1/4 OF SEC.34 T26N, R43 EWM
CITY OF SPOKANE, WASHINGTON

WATER NOTES - C.O.S.

1. INSTALL TRAFFIC RATED WATER VAULT (8'X16'X6.5') PER C.O.S. STD Y-116. WITH IRRIGATION AND 3/4" CONDUIT FROM THE VAULT TO THE BUILDING OR ON A BOLLARD FOR REMOTE READERS.
2. REMOVE CAP AND CONNECT TO EXISTING 8" DIP.
3. INSTALL (2) 2" DIAMETER CONDUITS FOR FUTURE USE. CONDUITS SHALL BE BURRIED WITH LOCATE TAPE. STUB UP INSIDE FURRING WALL AT BUILDING, CAP AND BURY WITHIN LANDSCAPE ISLANDS.
4. INSTALL 8" DIP FIRE LINE
5. INSTALL 2" 200 PSI POLY DOMESTIC LINE
6. INSTALL (2) 4" DIAMETER CONDUITS FOR FUTURE USE. CONDUITS SHALL BE BURRIED WITH LOCATE TAPE. CAP AND BURY ENDS.
7. INSTALL POST INDICATOR VALVE
8. INSTALL TEE, SIZE TO MATCH



SEWER NOTES - C.O.S.

1. PERFORM CORE DRILL INTO EXISTING SEWER MANHOLE AT PROPOSED IE: 2022.40 CONSTRUCT MANHOLE CHANNEL PER C.O.S. STD. PLAN Z-117
2. INSTALL 6" PVC SEWER SERVICE TO BUILDING, 2% MIN SLOPE
3. INSTALL 6" CLEANOUT PER C.O.S. STD. PLAN Z-114
4. INSTALL SEWER MANHOLE PER C.O.S. STD. PLAN Z-101
5. INSTALL SOLID FRAME AND COVER WITH 3-POINT BOLT DOWN PER C.O.S. STD. PLAN A-13
6. INSTALL 8" PVC SEWER MAIN

FIRE DEPARTMENT CERTIFICATION STATEMENT

CITY OF SPOKANE FIRE DISTRICT HAS APPROVED THIS WATER PLAN FOR CEDAR STORAGE. THIS WATER PLAN IS IN CONFORMANCE WITH OUR REQUIREMENTS AND WILL SATISFY OUR NEEDS IN PROVIDING AN ADEQUATE WATER SYSTEM AND FACILITIES OF DOMESTIC & FIRE PROTECTION PURPOSES TO ALL STRUCTURES IN THE ABOVE NAMED PROJECT.

SIGNATURE _____

TITLE _____

DATE _____

AARON C. SIMPSON — STATE OF WASHINGTON — 6/21/21 — 43460 — REGISTERED PROFESSIONAL ENGINEER

NOTE:
EXACT LOCATIONS, SIZES AND DEPTHS OF UNDERGROUND UTILITIES ARE NOT KNOWN. UNDERGROUND UTILITIES SHOWN ARE TAKEN FROM EXISTING RECORDS AND ARE SHOWN FOR CONVENIENCE OF THE CONTRACTOR ONLY. THE CONTRACTOR IS RESPONSIBLE TO "CALL BEFORE YOU DIG 456-8000", AND SHALL CONTACT ALL UTILITY OWNERS AND CONFIRM LOCATIONS OF UTILITIES BEFORE DIGGING AND TO COORDINATE AND COOPERATE FULLY WITH EXISTING UTILITY DISTRICTS AND COMPANIES.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG

ELEVATIONS ARE TO NAVD88 DATUM
SE 1/4 SEC. 34, T.26, R.43 E.W.M.

0 20 40 80

SIMPSON ENGINEERS, INC.

C1.2

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06/21	DRAWN	NAM
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CITY OF SPOKANE, WASHINGTON
DEPARTMENT OF ENGINEERING SERVICES

CEDAR STORAGE
DRAINAGE SHEET
COMMERCIAL BUILDINGS

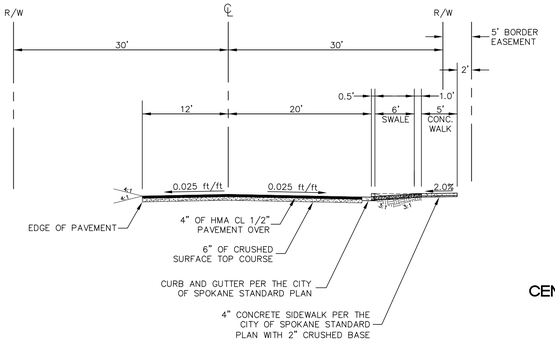
TYPE OF IMPROVEMENT: DRAINAGE

PROJECT NUMBER	PLAN NUMBER
	4 OF 7 34-25-43

P:\Projects\17001-17500\17084-Cedar Storage\dwg\17084-Cedar Storage.dwg 7/16/2021 9:18:19 AM PDT

CEDAR STORAGE

IN A PORTION OF THE SE 1/4 OF SEC.34 T26N, R43 EWM
CITY OF SPOKANE, WASHINGTON

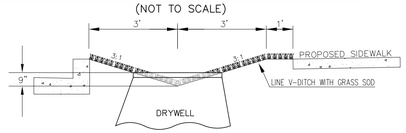


TYPICAL SECTION: OLYMPIC AND BROAD AVENUE

STA:10+69.35 TO 15+84.86 (OLYMPIC AVENUE)
STA:10+66.14 TO 15+85.15 (BROAD AVENUE)

TYPICAL SECTION : ROADSIDE V-DITCH

(NOT TO SCALE)



- MINIMUM 12" DEPTH FROM TOP OF SIDEWALK TO SWALE BOTTOM WHEN DRYWELL **IS** PRESENT
- MINIMUM 9" DEPTH FROM TOP OF SIDEWALK TO SWALE BOTTOM WHEN DRYWELL **IS NOT** PRESENT.

NOTE : ALL DRYWELLS SHALL BE INSTALLED WITH FOLTER (AMOCO #4545 OR APPROVED EQUAL) BETWEEN THE DRAIN ROCK AND EXCAVATED LATERAL GROUND.

NOTE : TO COLLECT SEDIMENT, A 4'X4' (MIN.) PIECE OF FOLTER FABRIC SHALL BE PLACED BETWEEN THE DRYWELL RING AND THE COVER WHEN THE DRYWELL IS INSTALLED, THEN CHECKED PERIODICALLY AND CLEANED OF SEDIMENT. ONCE GRASS HAVE BEEN ESTABLISHED IN THE DRAINAGE SWALE, THE FABRIC SHALL BE REMOVED. SEE DETAIL ON EROSION AND SEDIMENT CONTROL SHEET.

NOTE : SEE "SOIL DESIGN CRITERIA" FOR UNDERLAYING SOIL REQUIREMENTS PER THE SPOKANE REGIONAL STORMWATER MANUAL. SEE SPECIFICATIONS THIS SHEET.

SOIL DESIGN CRITERIA

APPLIES TO ALL SWALES AND DITCHES USED FOR TREATMENT

Unless recommended otherwise by a geotechnical engineer, bioinfiltration swales shall be constructed with a treatment zone of medium- to well draining soil (tested for infiltration and treatment criteria) at least 12 inches thick, underlain by a subgrade infiltration layer at least 48 inches thick. all soils, including amended native soils, shall meet the infiltrative rate criteria indicated in Table 6-1.

TABLE 6-1
BIO-INFILTRATION SWALE DESIGN CRITERIA

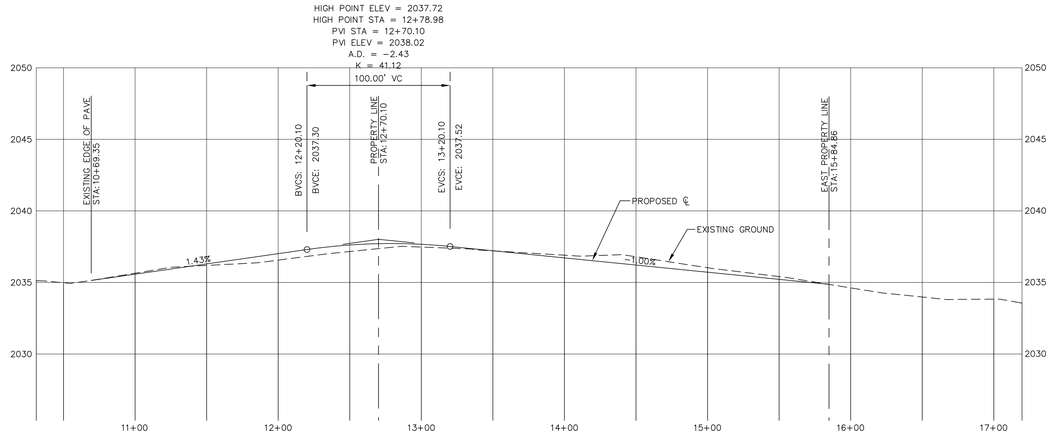
Criteria	Design Requirement
Treatment Zone Infiltration Rate (vegetated cover and treatment layer)[1]	Between 0.25 and 0.50 inches/hour
Subgrade Infiltration Rate[2,3]	At Least 0.15 inches/hour and facility must completely drain within 72 hours
Average Cation Discharge Capacity	At least 15 milliequivalents/100 grams
Organic Matter Content	At least 2% by weight

[1] Sand and coarser soils are not suitable to be used as top soils when treatment is required.

[2] An infiltration test (for example, a single-ring infiltrometer test) demonstrating the facility's conformance to the infiltration rate may be required prior to construction certification.

[3] the 48 inch layer of infiltrative subgrade soils must meet the geotechnical recommendations as per the requirements found in chapter 4.

CENTERLINE



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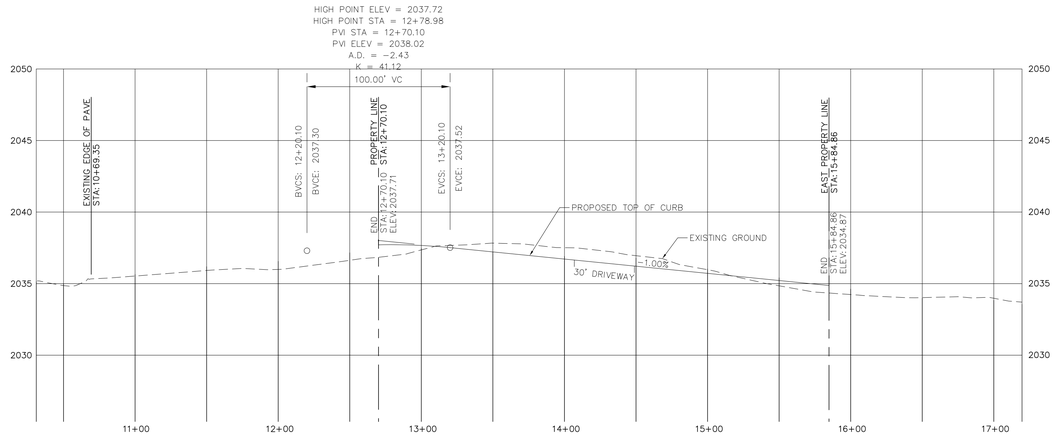

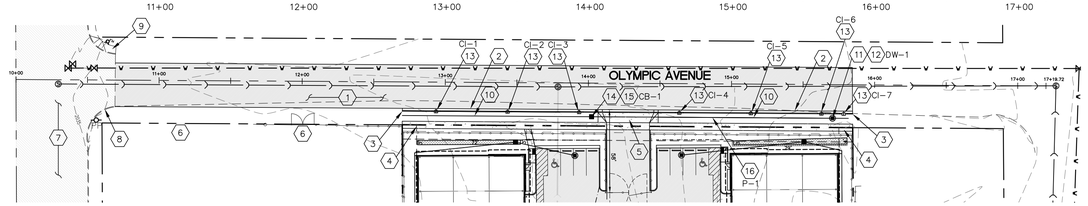

CONSTRUCTION NOTES - STREET PLANS - C.O.S.

1. INSTALL ASPHALT CONCRETE PAVEMENT PER CITY OF SPOKANE STDS.
2. INSTALL CONCRETE CURB AND GUTTER PER CITY OF SPOKANE STD. PLAN F-106
3. INSTALL 3' NOSE-DOWN CURB
4. INSTALL 5' SIDEWALK PER CITY OF SPOKANE STD. PLAN F-102B
5. CONSTRUCT 30' WIDE CONCRETE DRIVEWAY APPROACH PER CITY OF SPOKANE STD. PLAN F-104
6. CONTRACTOR TO VERIFY LOCATION WITH ADJACENT LOT OWNER PRIOR TO CONSTRUCTING AND PROVIDE 4" CSTC INTO PROPERTY TO CATCH POINTS
7. EXISTING ASPHALT PAVEMENT
8. EXISTING CONCRETE CURB
9. EXISTING CONCRETE SIDEWALK
10. CONSTRUCT BIO-INFILTRATION SWALE WITH 0' POND BOTTOM PER DETAIL SHEET ST1.2
11. INSTALL SINGLE BARRELL DRYWELL TYPE-1 PER CITY OF SPOKANE STD. PLAN B-102C
12. INSTALL METAL FRAME AND GRATE PER CITY OF SPOKANE STD. PLAN B-113
13. INSTALL 2.5' WIDE CURB DROP INLET PER CITY OF SPOKANE STD. PLAN F-109
14. INSTALL CATCH BASIN TYPE 0 PER CITY OF SPOKANE STD. PLAN NO. B-101B
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16. INSTALL 8" PVC PIPE, MIN. 3' COVER AT FINISHED GRADE.

CONSTRUCTION NOTES

1. ALL WORK IN THE PUBLIC RIGHT-OF-WAY WILL REQUIRE THE CONTRACTOR TO OBTAIN A CITY OF SPOKANE OBSTRUCTION PERMIT.

℄ DRIVEWAY INFORMATION		
STREET	PARCEL #	STATION
OLYMPIC AVE	36344.1604	14+27.48 (RT)
BROAD AVE	36344.1604	14+27.52 (LT)

STORMWATER DRYWELL SCHEDULE				
STREET	STRUCTURE	STATION	RIM	PIPE INVERT
OLYMPIC AVE	CB-1	14+02 (23.5' RT)	2036.3	2032.6 (E)
	DW-1	15+71 (23.5' RT)	2034.7	2030.9 (W)
BROAD AVE	CB-2	14+02 (23.5' LT)	2036.3	2032.6 (E)
	DW-2	15+69 (23.5' LT)	2034.6	2030.91 (W)

CURB INLET SCHEDULE		
STREET	STRUCTURE	STATION
OLYMPIC AVE	CI-1	12+94 (RT)
	CI-2	13+44 (RT)
	CI-3	13+94 (RT)
	CI-4	14+64 (RT)
	CI-5	15+14 (RT)
	CI-6	15+63 (RT)
	CI-7	15+78 (RT)
BROAD AVE	CI-8	12+93 (LT)
	CI-9	13+43 (LT)
	CI-10	13+93 (LT)
	CI-11	14+60 (LT)
	CI-12	15+10 (LT)
	CI-13	15+60 (LT)
	CI-14	15+79 (LT)

ENGINEER'S CERTIFICATION

THE DESIGN IMPROVEMENTS SHOWN IN THIS SET OF PLANS CONFORM TO THE APPLICABLE EDITIONS OF THE CITY OF SPOKANE STANDARDS FOR ROAD AND SEWER CONSTRUCTION AND 2008 REGIONAL STORMWATER MANUAL. I APPROVE THESE PLANS FOR CONSTRUCTION.

AARON C. SIMPSON — STATE OF WASHINGTON — 23466 — REGISTERED PROFESSIONAL ENGINEER — 6/21/21

ENGINEER — 6/7/21
DATE

DEVELOPER — DATE

UNDERGROUND SERVICE ALERT
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424-5555
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0 25 50 100

SIMPSON ENGINEERS, INC.

ST1.0

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CITY OF SPOKANE, WASHINGTON
DEPARTMENT OF ENGINEERING SERVICES

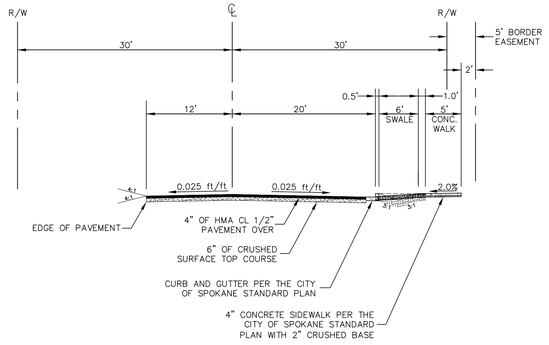
CEDAR STORAGE
STREET: OLYMPIC AVENUE
COMMERCIAL BUILDINGS

TYPE OF IMPROVEMENT: STREET

PROJECT NUMBER	PLAN NUMBER
	5 OF 6 34-25-43

CEDAR STORAGE

IN A PORTION OF THE SE 1/4 OF SEC.34 T26N, R43 EWM
CITY OF SPOKANE, WASHINGTON



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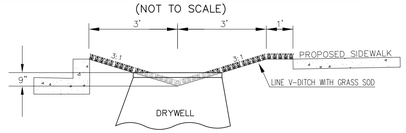

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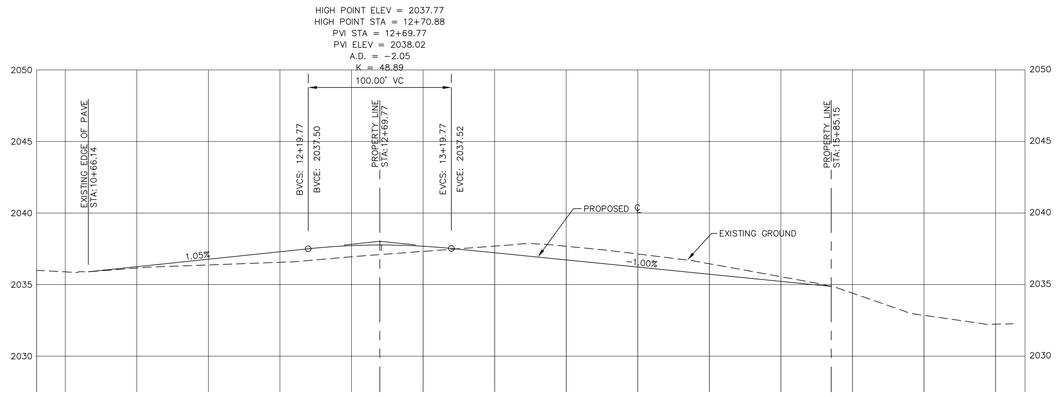

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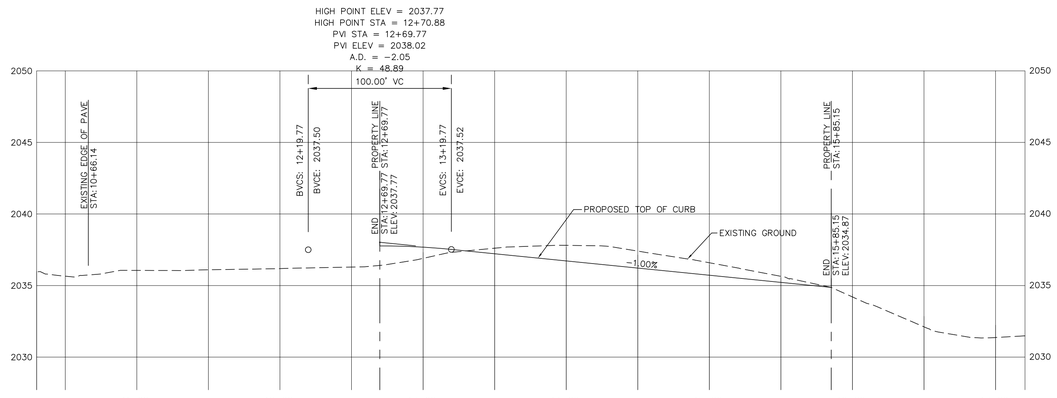

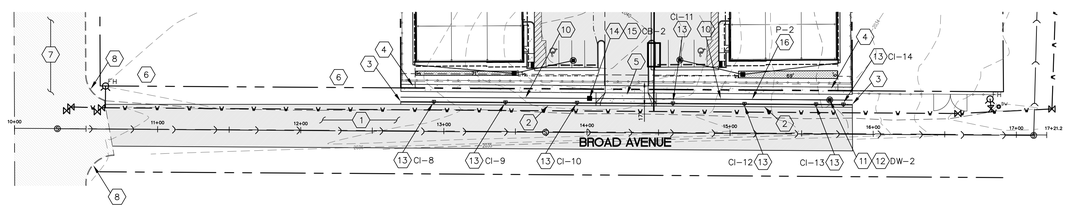

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AARON C. SIMPSON — STATE OF WASHINGTON — 43460 — REGISTERED PROFESSIONAL ENGINEER — 6/21/21

ENGINEER — DATE 6/7/21

DEVELOPER — DATE

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CITY OF SPOKANE, WASHINGTON
DEPARTMENT OF ENGINEERING SERVICES

CEDAR STORAGE
STREET: BROAD AVENUE
COMMERCIAL BUILDINGS

TYPE OF IMPROVEMENT: STREET

PROJECT NUMBER	PLAN NUMBER
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