BASIS OF PLAN

THIS SITE PLAN IS BASED ON THE ALTA LAND TITLE SURVEY PREPARED BY BARGHAUSEN CONSULTING ENGINEERS, INC. (DATED AUGUST 9, 2022). PROPOSED SITE IMPROVEMENTS WERE PROVIDED BY MACKENZIE ARCHITECTS (DATED 11-30-2023).

THE EXISTING CULTURAL AND TOPOGRAPHIC DATA SHOWN ON THESE DRAWINGS HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, BCE, INC. CANNOT ENSURE ACCURACY AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THAT INFORMATION OR FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO THESE DRAWINGS AS A RESULT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE OWNER TO HAVE ALL

IMPROVEMENTS FIELD VERIFIED PRIOR TO CONSTRUCTION. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF BARGHAUSEN CONSULTING ENGINEERS, INC. PRIOR TO WORK.

SURVEY INFORMATION

TITLE REPORT INFORMATION

TITLE COMMITMENT: ALL TITLE INFORMATION SHOWN ON THIS MAP, INCLUDING APPURTENANT EASEMENTS AND ADJOINING DEEDS FOR UNPLATTED LOTS, IF ANY, HAS BEEN EXTRACTED FROM FIRST AMERICAN TITLE INSURANCE COMPANY ALTA COMMITMENT NO. NCS-1133990-CHI2, DATED JUNE 3, 2022 AT 7:30 AM. IN PREPARING THIS MAP, BARGHAUSEN CONSULTING ENGINEERS, INC. HAS CONDUCTED NO INDEPENDENT TITLE SEARCH NOR IS BARGHAUSEN CONSULTING ENGINEERS, INC. AWARE OF ANY TITLE ISSUES AFFECTING THE SURVEYED PROPERTY OTHER THAN THOSE SHOWN ON THE MAP AND DISCLOSED BY SAID COMMITMENT. BARGHAUSEN CONSULTING ENGINEERS, INC. HAS RELIED WHOLLY ON SAID TITLE COMPANY'S REPRESENTATIONS OF THE TITLE'S CONDITION TO PREPARE THIS SURVEY AND THEREFORE BARGHAUSEN CONSULTING ENGINEERS, INC. QUALIFIES THE MAP'S ACCURACY AND COMPLETENESS TO THAT EXTENT.

LEGAL DESCRIPTION: (PER ABOVE REFERENCED TITLE REPORT)

PARCEL "A"

THAT PORTION OF BLOCKS 34 TO 37, INCLUSIVE, OF REPLAT OF A PART OF FRANK R. SPINNING'S FIRST ADDITION TO THE TOWN OF PUYALLUP, PIERCE COUNTY, WASHINGTON, ACCORDING TO PLAT RECORDED IN BOOK 6 OF PLATS AT PAGE(S) 91, LYING NORTHERLY OF THE NORTHERN PACIFIC RAILWAY COMPANY RIGHT OF WAY, IN PUYALLUP, PIERCE COUNTY, WASHINGTON.

TOGETHER WITH THE SOUTH 30 FEET OF VACATED PIONEER AVENUE ABUTTING BLOCKS 34 AND 35 AS VACATED BY CITY OF PUYALLUP ORDINANCE NO. 211 RECORDED FEBRUARY 14, 1902 UNDER AUDITOR'S NO. 146161.

PARCEL "B"

A PARCEL OF LAND SITUATED WITHIN THE SOUTHEAST QUARTER OF SECTION 27, TOWNSHIP 20 NORTH, RANGE 4 EAST OF THE WILLAMETTE MERIDIAN, IN PIERCE COUNTY, WASHINGTON, DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEAST CORNER OF BLOCK 33 OF REPLAT OF A PART OF FRANK R. SPINNING'S FIRST ADDITION TO THE TOWN OF PUYALLUP, PIERCE COUNTY, WASHINGTON, ACCORDING TO PLAT RECORDED IN BOOK 6 OF PLATS AT PAGE 91;

THENCE NORTH 00°50' WEST 28.58 FEET ALONG THE EAST LINE OF SAID BLOCK 33; THENCE SOUTH 14'18'45" WEST 27.61 FEET TO A POINT ON THE SOUTH LINE OF SAID BLOCK 33; THENCE SOUTH 75'49' EAST 7.47 FEET ALONG SAID SOUTH LINE TO THE POINT OF BEGINNING, IN PUYALLUP, PIERCE COUNTY, WASHINGTON.

PARCEL "C"

THAT PORTION OF THE SOUTHEAST OF SECTION 27, TOWNSHIP 20 NORTH, RANGE 4 EAST OF THE WILLAMETTE MERIDIAN, IN PIERCE COUNTY, WASHINGTON, DESCRIBED AS FOLLOWS:

COMMENCING AT THE SECTION CORNER COMMON TO SECTIONS 26, 27, 34 AND 35, ALL IN SAID TOWNSHIP 20 NORTH, RANGE 4 EAST;

THENCE NORTHERLY ALONG THE SECTION LINE COMMON TO SAID SECTIONS 26 AND 27, A DISTANCE OF 1578.0 FEET, MORE OR LESS, TO THE POINT OF INTERSECTION WITH A LINE DRAWN PARALLEL WITH AND DISTANT 51.13 FEET NORTHERLY OF, AS MEASURED AT RIGHT ANGLES TO, BURLINGTON NORTHERN RAILROAD COMPANY'S MAIN TRACK CENTERLINE, AS NOW LOCATED AND CONSTRUCTED; THENCE NORTHWESTERLY DEFLECTING 74°59 TO THE LEFT FROM SAID SECTION LINE, ALONG SAID LINE LYING 51.13 FEET NORTHERLY OF AND PARALLEL WITH SAID MAIN TRACT CENTERLINE, A DISTANCE OF 493.0 FEET, MORE OR LESS, TO THE POINT OF INTERSECTION WITH THE WEST RIGHT OF WAY LINE OF FIFTEENTH STREET SOUTHEAST, AS NOW LOCATED IN THE CITY OF PUYALLUP, WASHINGTON SAID POINT BEING THE TRUE POINT OF BEGINNING OF THE PARCEL TO BE DESCRIBED: THENCE CONTINUING NORTHWESTERLY ALONG SAID PARALLEL LINE, 920.0 FEET, MORE OR LESS, TO THE POINT OF INTERSECTION WITH A LINE DRAWN PARALLEL WITH AND DISTANT 8.50 FEET NORTHERLY OF. AS MEASURED AT RIGHT ANGLES TO, THE MOST NORTHERLY SPUR TRACT OF SAID BURLINGTON NORTHERN RAILROAD COMPANY, AS NOW LOCATED AND CONSTRUCTED; THENCE NORTHERLY, PARALLEL WITH THE WEST LINE OF BLOCK 32 OF REPLAT OF A PART OF FRANK R. SPINNING'S FIRST ADDITION TO THE TOWN OF PUYALLUP, ACCORDING TO PLAT RECORDED IN BOOK 6 OF PLATS AT PAGE 91, A DISTANCE OF 148.0 FEET; THENCE NORTHWESTERLY, PARALLEL WITH SAID LINE LYING 51.13 FEET NORTHERLY OF SAID RAILROAD COMPANY'S MAIN TRACT CENTERLINE, A DISTANCE OF 40.0 FEET; THENCE NORTHERLY. PARALLEL WITH SAID WEST LINE OF BLOCK 32, 106.0 FEET TO THE POINT OF INTERSECTION WITH A LINE DRAWN PARALLEL WITH AND DISTANT 300.0 FEET NORTHERLY OF, AS MEASURED AT RIGHT ANGLES TO. SAID MAIN TRACT CENTERLINE: THENCE EASTERLY ALONG SAID PARALLEL LINE, 946.0 FEET, MORE OR LESS, TO THE POINT OF INTERSECTION WITH THE WEST RIGHT OF WAY LINE OF FIFTEENTH STREET SOUTHEAST; THENCE SOUTHERLY ALONG SAID WEST RIGHT OF WAY LINE TO THE TRUE POINT OF BEGINNING, IN PIERCE COUNTY, WASHINGTON.

HORIZONTAL DATUM:

NAD 83/11 PER WSDOT PUBLISHED MONUMENTS. WSDOT CONTROL POINT "GP 27512-100" WAS HELD FOR

POSITION, AND A LINE BETWEEN SAID POINT "GP 27512-100" AND CONTROL POINT "GP27512-18AZ" WAS HELD FOR ROTATION, BEING SOUTH 38°23'07" WEST.

VERTICAL DATUM:

NAVD88 VERTICAL CONTROL PUBLISHED BY WSDOT, POINT "GP 27512-100" WAS HELD FOR ELEVATION. BENCHMARK ELEVATION = 81.27'

SITE BENCHMARK:

SET MAGNAIL & WASHER #49 IN THE SIDEWALK ON THE WEST SIDE OF 15TH STREET S.E. ELEVATION =55.16' (NAVD 88)

SOILS REPORT NOTES

THE FOLLOWING SOILS REPORTS/ASSESSMENTS WERE PREPARED FOR THE SITE: GEOTECHNICAL REPORT, PROJECT NO. T-8661 DATED: JAN 12TH 2022:

240 – 15TH STREET SE INDUSTRIAL 240 – 15TH STREET SE PUYALLUP, WASHINGTON

PREPARED BY: TERRA ASSOCIATES, INC. 12220 113TH AVENUE NE, STE. 130

KIRKLAND, WASHINGTON 98034

- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL PROVISIONS OF THE SOILS REPORT FOR THE SITE BE OBSERVED AND COMPLIED WITH DURING ALL PHASES OF THE SITE PREPARATION, GRADING OPERATIONS, AND PAVING CONSTRUCTION.
- ANY PROVISIONS OF THE SOILS REPORT WHICH CONFLICT WITH INFORMATION SHOWN ELSEWHERE ON THESE DRAWINGS, OR WHICH REQUIRE FURTHER CLARIFICATION, SHALL BE BROUGHT TO THE ATTENTION OF BARGHAUSEN ENGINEERS.
- 4. A REPRESENTATIVE FOR THE SOILS ENGINEER SHALL BE AVAILABLE TO OBSERVE AND APPROVE THE EARTHWORK OPERATIONS AND TO VERIFY FIELD CONDITIONS AS WORK PROCEEDS. THE SOILS ENGINEER SHALL SUBMIT FIELD REPORTS CERTIFYING THAT THE METHODS AND MATERIALS OF THE EARTHWORK OPERATIONS WERE IN ACCORDANCE WITH THE RECOMMENDATION OF THE SOILS INVESTIGATION AND THAT THE WORK WAS PERFORMED TO THE SATISFACTION OF THE ENGINEER. THE CONTRACTOR SHALL MAKE ALL PROVISIONS FOR SOILS INSPECTIONS AS RECOMMENDED WITHIN SOILS REPORT AS A MINIMUM, THIS INCLUDES THE OBSERVATION OF THE FOLLOWING BY A SOILS ENGINEER: UTILITY TRENCH EXCAVATIONS, UTILITY PIPE BEDDING, SUBGRADE STABILITY, FOOTING SUBGRADE CONDITIONS, STRUCTURAL FILL OBSERVATIONS AND TESTING, SITE DRAINAGE MEASURES AND OBSERVATIONS, PAVEMENT SUBGRADE OBSERVATIONS. EROSION CONTROL, SITE STABILITY INCLUDING TEMPORARY AND PERMANENT SLOPES.

THE SOILS ENGINEER SHOULD BE NOTIFIED AT LEAST FIVE (5) WORKING DAYS PRIOR TO ANY SITE CLEARING OR GRADING.

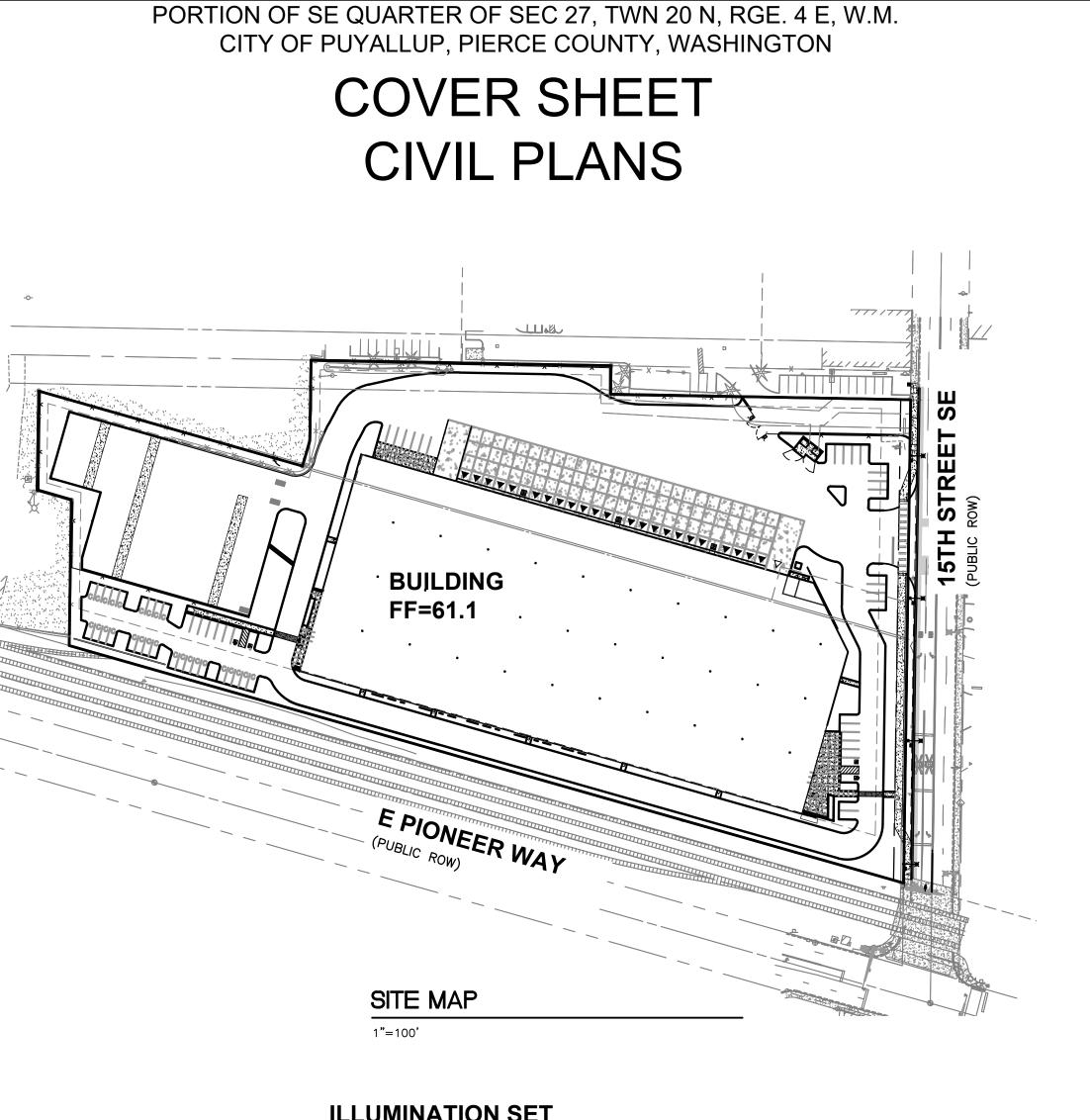
Fill out and submit City Engineering Cost Estimate found here during the next submission: https://www.cityofpuyallup.c ra/1591/Master-Document-L ist#C. [civils, sheet 1] Cost estimate completed and included with resubmittal package. B

> SCALE: 1"=100'

	C1	COVER SHEET
	C2	CONSTRUCTION NOTES
	C3	CIVIL TESC AND DEMOLITION PLAN
	C4	SITE PLAN
	C5	SITE PLAN
	C6	SITE PLAN
	C7	GRADING AND STORM DRAINAGE PLAN
	C8	GRADING AND STORM DRAINAGE PLAN
	C9	GRADING AND STORM DRAINAGE PLAN
	<u>C10</u>	GRADING DETAILS
	<u>C11</u>	GRADING DETAILS
U	Č12	VAULT DETAILS
	C13	VAULT DETAILS
	C14	WATER AND SANITARY SEWER PLAN
	C15	WATER AND SANITARY SEWER PLAN
	C16	WATER AND SANITARY SEWER PLAN
	C17	RIGHT-OF-WAY DEMOLITION PLAN
	C18	FRONTAGE IMPROVEMENT PLAN
	C19	CHANNELIZATION PLAN
	C20	SITE SECTIONS
	C21	EROSION CONTROL DETAILS
	C22	EROSION CONTROL DETAILS
	C23	CONSTRUCTION DETAILS
	C24	CONSTRUCTION DETAILS
	C25	CONSTRUCTION DETAILS
	C26	CONSTRUCTION DETAILS
	C27	CONSTRUCTION DETAILS
	C28	CONSTRUCTION DETAILS
	C29	CONSTRUCTION DETAILS
	C30	CONSTRUCTION DETAILS
	C31	CONSTRUCTION DETAILS
	<u>C32</u>	CONSTRUCTION DETAILS
	<u>C33</u>	<u>CITY NOTES</u>
	C34	FIRE LANE MARKING PLAN

2

INDEX OF SHEETS: CIVIL SET



ILLUMINATION SET

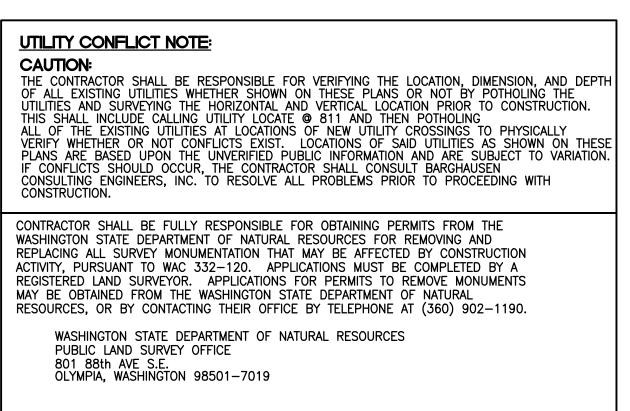
- ILLUMINATION PLAN
- ILLUMINATION DETAILS 2

LANDSCAPE SET

- L0.01 LANDSCAPE GENERAL INFORMATION
- L1.10 PLANTING PLAN EAST
- L1.11 PLANTING PLAN CENTRAL
- L1.12 PLANTING PLAN WEST
- L1.20 MATERIALS AND LAYOUT PLAN
- L5.10 SITE DETAILS
- L5.11 SOIL DETAILS
- L5.12 IRRIGATION DETAILS
- L5.13 PLANTING DETAILS
- L5.14 STREET PLANTING DETAILS

ITARY SEWER PLAN
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UPON COMPLETION OF CONSTRUCTION, ALL MONUMENTS DISPLACED, REMOVED, OR DESTROYED SHALL BE REPLACED BY A REGISTERED LAND SURVEYOR, AT THE COST AND AT THE DIRECTION OF THE CONTRACTOR, PURSUANT TO THESE REGULATIONS. THE APPROPRIATE FORMS FOR REPLACEMENT OF SAID MONUMENTATION SHALL ALSO BE THE RESPONSIBILITY OF THE CONTRACTOR.

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PROJECT INFO:Total. SITE AREA= 346,555 SFTotal. IMPERVIOUS AREA= 289,069 SF (83.4%)Total. PERVIOUS AREA= 57,486 SF (16.6%)DUELTEES/SEERVICESSTORM/SEWER/WATER:CITY OF PUYALLUP WATER DIVISION100 39TH AVE. SEPUYALLUP, WA 98374(253) 841-5505PUGET SOUND ENERGY8001 SOUTH 212TH STREETKENT, WA 98032(253) 395-7065DESEMPTIONE ONLY NOT FOR BID PURPOSES)ESTIMMORK, STRIPPING EXPORTCOR PERMITTING ONLY. NOT FOR BID PURPOSES)CARTHWORK, STRIUCTURAL IMPORT = 000 CY		For: CREF3 PUYALLUP OWNER LLC 11611 SAN VICENTE BLVD 10TH FLOOR LOS ANGELES, CA 90049
HORIZONTAL CONTROL / SURVEY NOTE: 1. CONTRACTOR SHALL OBTAIN SERVICES OF A LICENSED LAND SURVEYOR TO STAKE HORIZONTAL AND VERTICAL CONTROL FOR ALL NEW IMPROVEMENTS. CONTRACTOR SHALL CONTACT BARGHAUSEN CONSULTING ENGINEERS, INC. TO OBTAIN ELECTRONIC CAD FILES FOR STAKING PURPOSES. 3. UNDERGROUND UTILITIES AND FEATURES DEPICTED HERON ARE BASED ON FIELD OBSERVATION, MARKINGS, DEVELOPMENT PLANS, AND/OR BEST AVALIBLE RECORD DOCUMENTS ONLY. CONTRACTOR SHALL FIELD VERIFY SIZE AND TYPE OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF BARGHAUSEN CONSULTING ENGINEERS, INC. PRIOR TO WORK.		Designed DL Brawn RDC Brawn RDC Horizontal Checked DL 1"=100' Approved JGH Vertical N/A N/A N/A
E MAIN AVE E MAIN AVE ISTH ST SE SITE SITE ATH AVE SE US HIT ST AVE SE US HIT ST AVE SE US HIT ST ST AVE SE US HIT ST ST AVE SE US HIT AVE SE US HIT ST ST AVE SE US HIT ST ST AVE SE US HIT ST ST AVE SE US HIT AVE SE US HIT ST ST AVE SE US HIT AVE SE US HIT ST ST AVE SE US HIT AVE SE US	Image: City of Puyallup Development Engineering	Barghausen Consulting Engineers, Inc. 18215 72nd Avenue South Kent, WA 98032 425.251.6222 barghausen.com
UICINITY MAP PUYALLUP, WASHINGTON SITE ADDRESS 240 15TH STREET SE PUYALLUP, WA 98372	DATE <u>NOTE:</u> THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE DEVELOPMENT ENGINEERING MANAGER.	Job Number 220855 Sheet Sheet C1 of 34

LEGEND:	
EXISTING TYPE II CATCH BASIN	
EXISTING TYPE I CATCH BASIN	
PROPOSED TYPE II CATCH BASIN	
PROPOSED TYPE I CATCH BASIN	
	-
EXISTING TYPE II CATCH BASIN	
EXISTING TYPE I CATCH BASIN	
PROPOSED STORM DRAINAGE LINE EXISTING STORM DRAINAGE LINE	
PROPOSED SANITARY SEWER LINE	ss
PROPOSED SANITARY SEWER MANHOLE	\bullet
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EXISTING SANITARY SEWER LINE	SS
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EXISTING WATER VALVE	\boxtimes
PROPOSED WATERMAIN	
PROPOSED FIRE HYDRANT	×
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PROPOSED SPOT ELEVATIONS	23.24
EXISTING SPOT ELEVATIONS	×67.81
EXISTING STREET LIGHT	→ → ★
EXISTING SIGN	-
EXISTING CONTOURS	<u> </u>
PROPOSED CONTOURS	100
PROPOSED ASPHALT PAVEMENT	
PROPOSED CONCRETE	

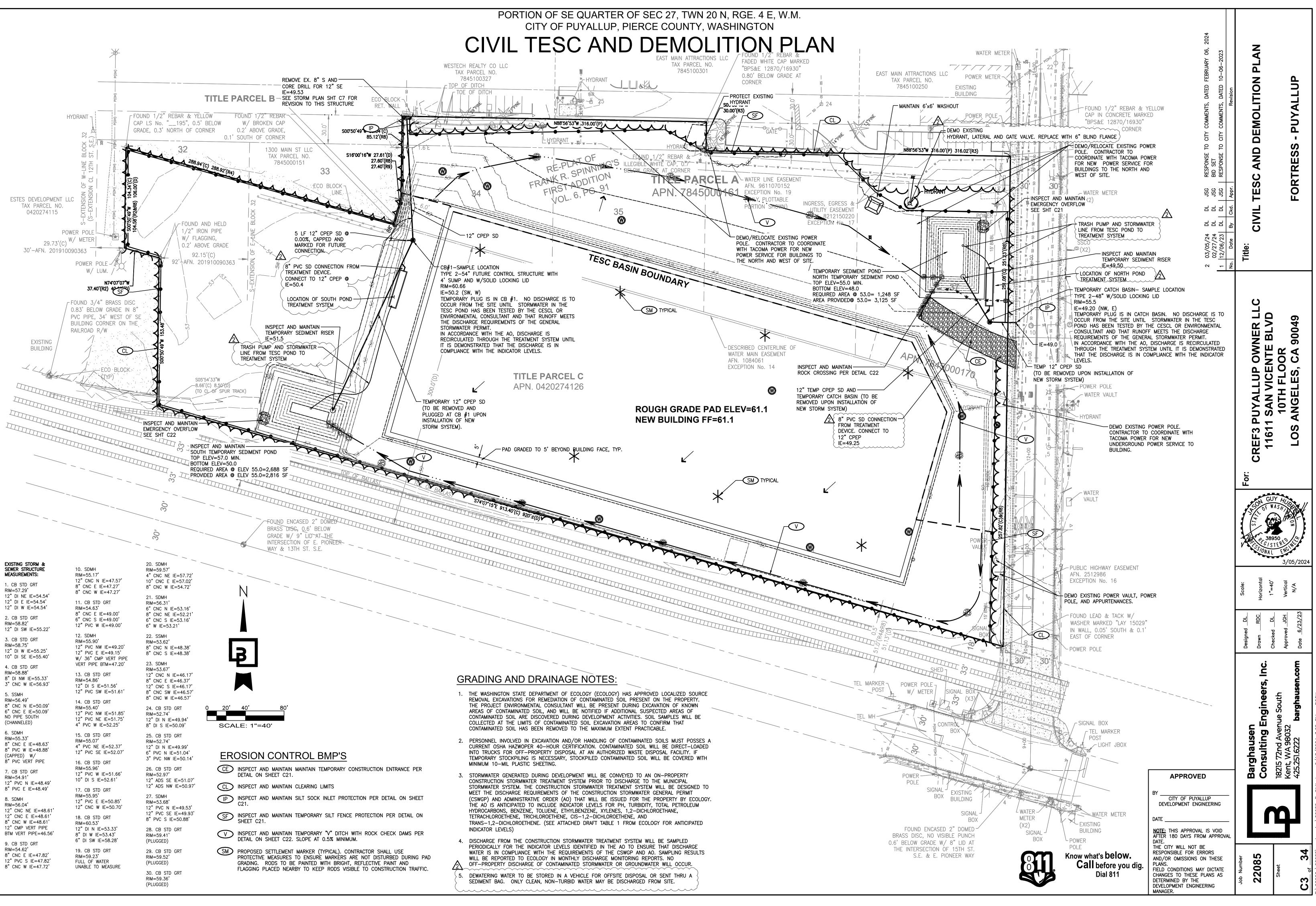
NOTES AND LEGEND

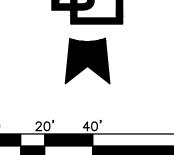
GENERAL SITE NOTES:

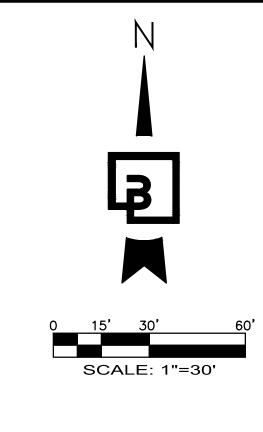
- 1. THE CONTRACTOR SHALL OBTAIN AND HAVE AVAILABLE COPIES OF THE APPLICABLE GOVERNING AGENCY STANDARDS AT THE JOB SITE DURING THE RELATED CONSTRUCTION OPERATIONS.
- 2. CONTRACTOR SHALL ENSURE THAT ALL NECESSARY PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCING WORK.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION WHETHER SHOWN ON THESE PLANS OR NOT. UTILITIES OTHER THAN THOSE SHOWN MAY EXIST ON THIS SITE. ONLY THOSE UTILITIES WITH EVIDENCE OF THEIR INSTALLATION VISIBLE AT GROUND SURFACE OR SHOWN ON RECORD DRAWING PROVIDED BY OTHERS ARE SHOWN HEREON. EXISTING UNDERGROUND UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY AND ARE SUBJECT TO A DEGREE OF UNKNOWN VARIATION. SOME UNDERGROUND LOCATIONS SHOWN HEREON MAY HAVE BEEN TAKEN FROM PUBLIC RECORDS. BARGHAUSEN CONSULTING ENGINEERS, INC. ASSUMES NO LIABILITY FOR THE ACCURACY OF PUBLIC RECORDS OR RECORDS OF OTHERS. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT BARGHAUSEN CONSULTING ENGINEERS, INC. TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.
- 4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT WORK SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE TO THE SPECIFICATIONS OR THE RELATIVE CODES, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER OF RECORD IN WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF WORK AS DEFINED BY THE DRAWINGS AND IN FULL COMPLIANCE WITH LOCAL REGULATIONS AND CODES.
- 5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE APPROPRIATE UTILITIES INVOLVED PRIOR TO CONSTRUCTION.
- 6. INSPECTION OF SITE WORK WILL BE ACCOMPLISHED BY A REPRESENTATIVE OF THE GOVERNING JURISDICTION. INSPECTION OF PRIVATE FACILITIES WILL BE ACCOMPLISHED BY A REPRESENTATIVE OF THE OWNER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE INSPECTOR 24 HOURS IN ADVANCE OF BACKFILLING ALL CONSTRUCTION.
- 7. PRIOR TO ANY CONSTRUCTION OR DEVELOPMENT ACTIVITY THE CONTRACTOR SHALL CONTACT THE AGENCY AND/OR UTILITY INSPECTION PERSONNEL AND ARRANGE ANY REQUIRED PRE-CONSTRUCTION MEETING(S). CONTRACTOR SHALL PROVIDE ONE WEEK MINIMUM ADVANCE NOTIFICATION TO OWNER, FIELD ENGINEER AND ENGINEER OF PRE-CONSTRUCTION MEETINGS.
- 8. THE CONTRACTOR IS RESPONSIBLE FOR WORKER AND SITE SAFETY AND SHALL COMPLY WITH THE LATEST OSHA STANDARDS AND REGULATIONS, OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE "MEANS AND METHODS" REQUIRED TO MEET THE INTENT AND PERFORMANCE CRITERIA OF OSHA, AS WELL AS ANY OTHER ENTITY THAT HAS JURISDICTION FOR EXCAVATION AND/OR TRENCHING PROCEDURES.
- 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, FLAGGERS, AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH, AND SAFETY OF THE PUBLIC. AND TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACTOR. ANY WORK WITHIN THE TRAVELED RIGHT-OF-WAY THAT MAY INTERRUPT NORMAL TRAFFIC FLOW SHALL REQUIRE AT LEAST ONE FLAGGER FOR EACH LANE OF TRAFFIC AFFECTED.
- 10. PROTECTIVE MEASURES SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT ALL ADJACENT PUBLIC AND PRIVATE PROPERTIES AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ALL EXISTING UTILITY SERVICES THAT ARE TO REMAIN OPERATIONAL WITHIN THE CONSTRUCTION AREA WHETHER SHOWN OR NOT SHOWN ON THE PLANS.
- 11. TWO (2) COPIES OF THESE APPROVED PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS. ONE (1) SET WITH RECORDS OF AS-BUILT INFORMATION SHALL BE SUBMITTED TO BARGHAUSEN CONSULTING ENGINEERS, INC. AT COMPLETION OF PROJECT.
- 12. CONTRACTOR SHALL OBTAIN SERVICES OF A LICENSED LAND SURVEYOR TO STAKE HORIZONTAL CONTROL FOR ALL NEW IMPROVEMENTS. STAKING CONTROL SHALL BE TAKEN FROM ELECTRONIC PLAN FILES PROVIDED BY BARGHAUSEN CONSULTING ENGINEERS, INC.
- 13. CONTRACTOR SHALL REQUEST FROM BARGHAUSEN CONSULTING ENGINEERS, INC., PRIOR TO ANY CONSTRUCTION STAKING OR CONSTRUCTION WORK, A FORMAL CONSTRUCTION RELEASE PLAN SET OR SPECIFIC RELEASE IN WRITING. THE APPROVED AGENCY PERMIT DRAWINGS WILL NOT BE CONSIDERED CONSTRUCTION RELEASE PLANS BY BARGHAUSEN CONSULTING ENGINEERS, INC. UNLESS BARGHAUSEN CONSULTING ENGINEERS, INC. HAS GIVEN A FORMAL WRITTEN RELEASE OR ISSUED A CONSTRUCTION RELEASE PLAN SET.

\wedge
CONSTRUCTION SEQUENCE
$\begin{pmatrix} \\ \\ \\ \end{pmatrix}$ 1. Hold a preconstruction meeting with the city and obtain required permits.
2. INSPECT AND MAINTAIN TEMPORARY CONSTRUCTION ENTRANCE.
3. INSPECT AND MAINTAIN PERIMETER DITCHES, SILT FENCES, AND OTHER EROSION CONTROL DEVICES AS SHOWN.
$\left< \right>$ 4. INSPECT AND MAINTAIN PROTECTION DEVICES FOR CRITICAL AREAS AND SIGNIFICANT TREES.
5. SCHEDULE AN EROSION CONTROL INSPECTION WITH THE CITY.
6. CONSTRUCT STORM DRAINAGE RETENTION/DETENTION (CONTROL AND STORAGE) FACILITIES. PROVIDE EMERGENCY OVERFLOW AS APPLICABLE.
7. ALL DITCHES AND SWALES AS SHOWN SHALL BE PROVIDED TO DIRECT ALL SURFACE WATER TO THE RETENTION/DETENTION AND SEDIMENTATION POND AS CLEARING AND GRADING PROGRESSES. NO UNCONTROLLED SURFACE WATER SHALL BE ALLOWED TO LEAVE THE SITE OR BE DISCHARGED TO A CRITICAL AREA AT ANY TIME DURING THE GRADING OPERATIONS.
9. GRADE SITE AND INSTALL UTILITIES PER PLANS.
10. INSTALL LANDSCAPING AND PAVING
11. INSPECT AND MAINTAIN ALL BMP'S UNTIL SIRE IS STABILIZED
Туро
revised as noted

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Title: NOTES AND LEGEND FORTRESS - PUYALLUP
For: CREF3 PUYALLUP OWNER LLC 11611 SAN VICENTE BLVD 10TH FLOOR LOS ANGELES, CA 90049
Horizontal NA NASH NASH NASH NASH NASH NASH NASH NASH
Designed <u>DL</u> Drawn <u>RDC</u> H Checked <u>DL</u> Approved <u>JGH</u> Date <u>6/23/23</u>
Barghausen Consulting Engineers, Inc. 18215 72nd Avenue South Kent, WA 98032 425.251.6222 barghausen.com
M
Job Number 22085 Sheet C2 of 34



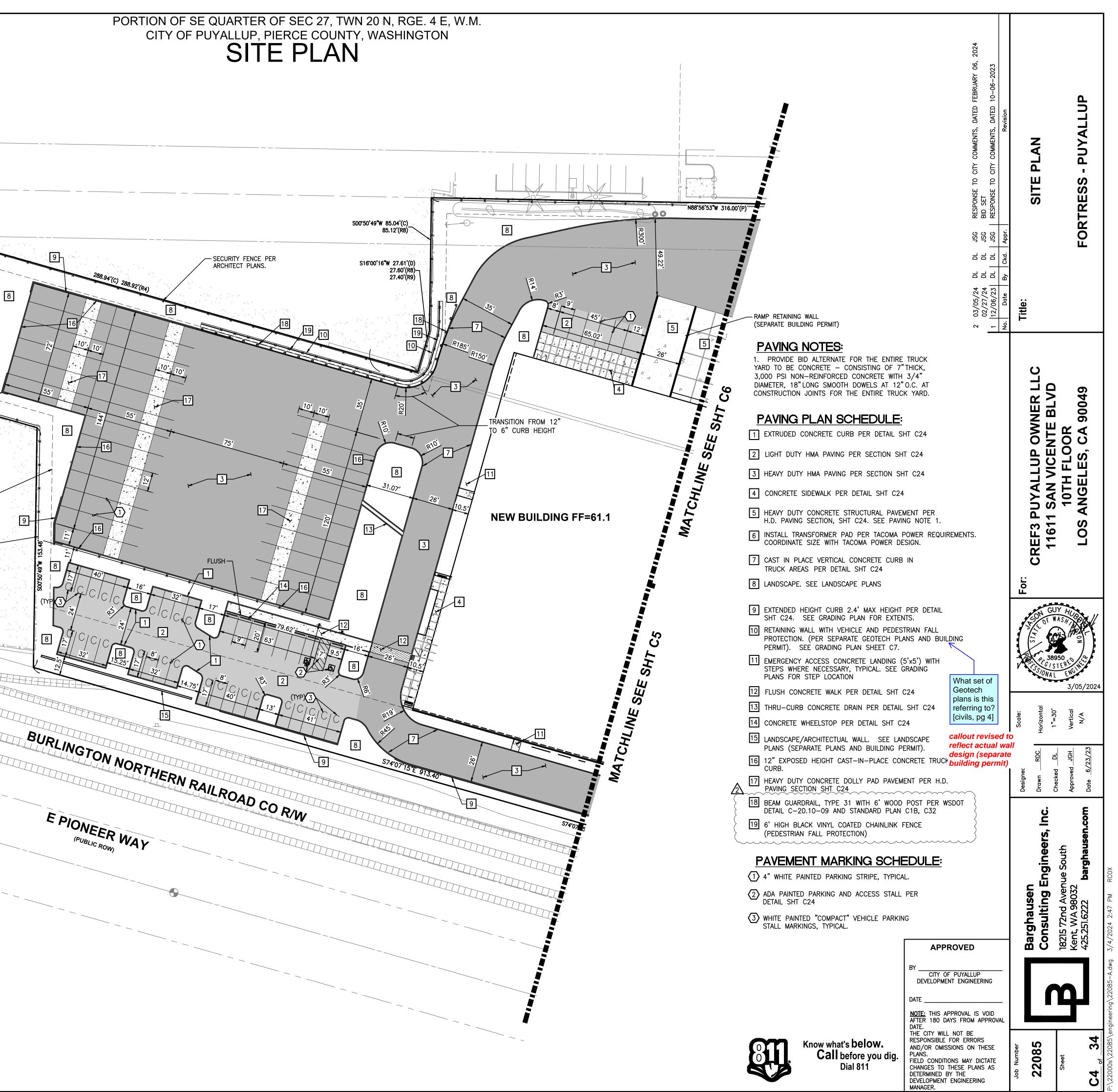


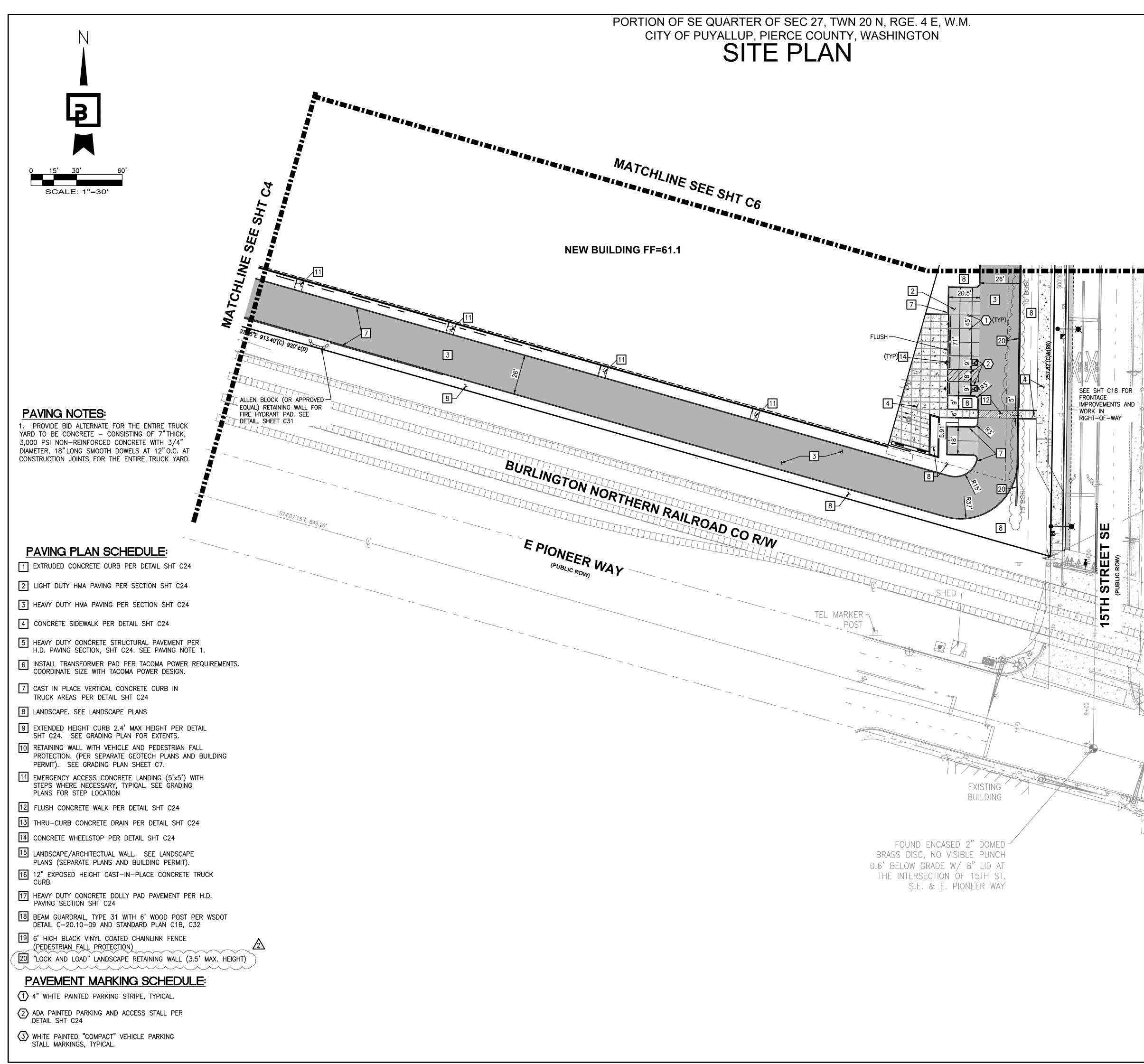


8 106.00 -N74°07'07"W_ 37.40'(R2) 40.00'(D) BUILDING SETBACK LINE 9 SECURITY FENCE PER-ARCHITECT PLANS. EXISTING BUILDING

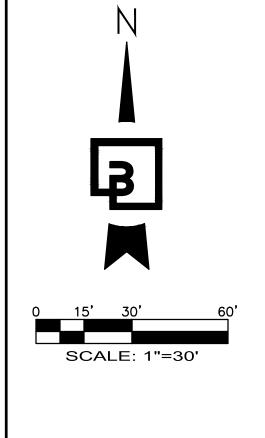
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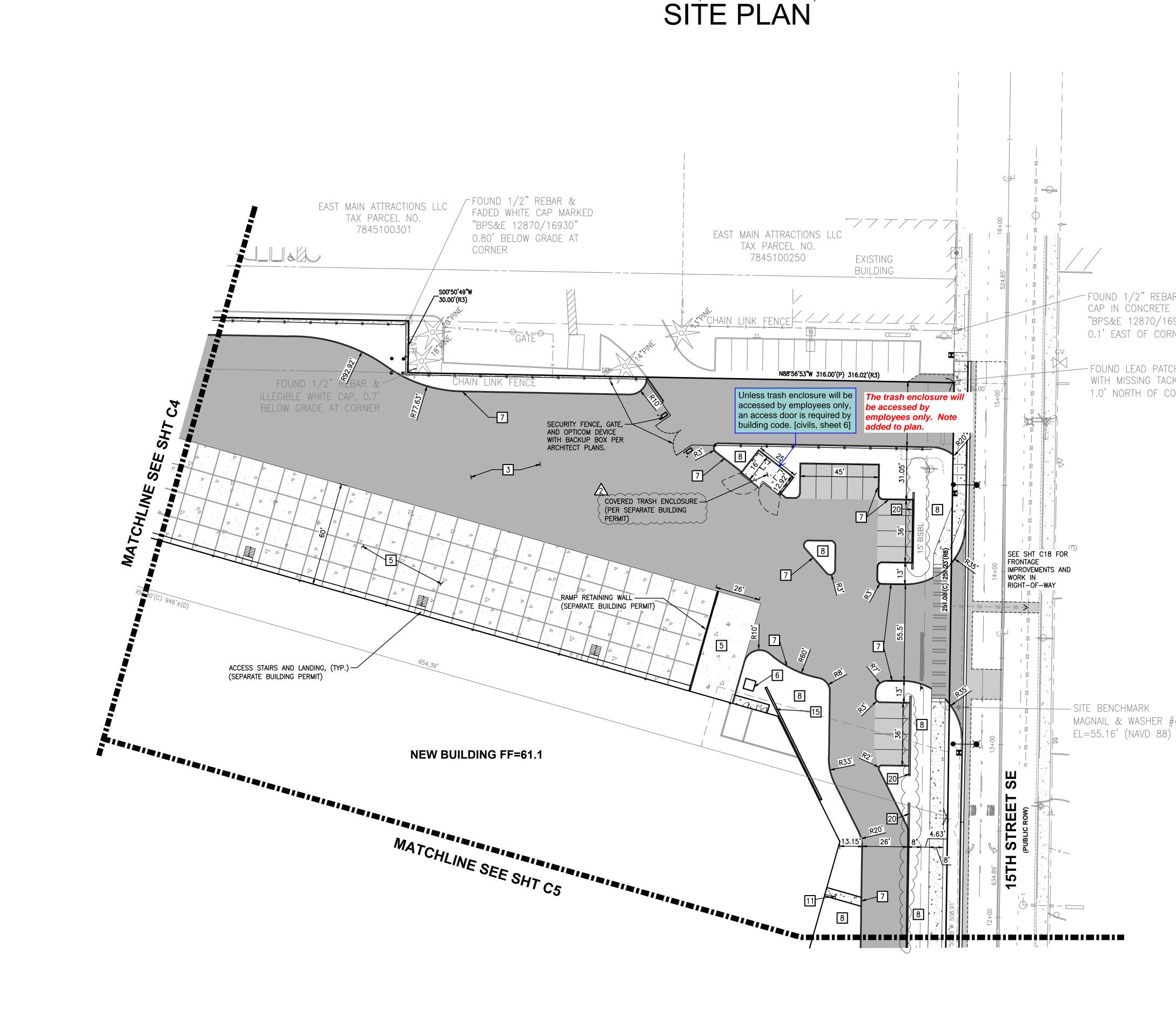
CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON

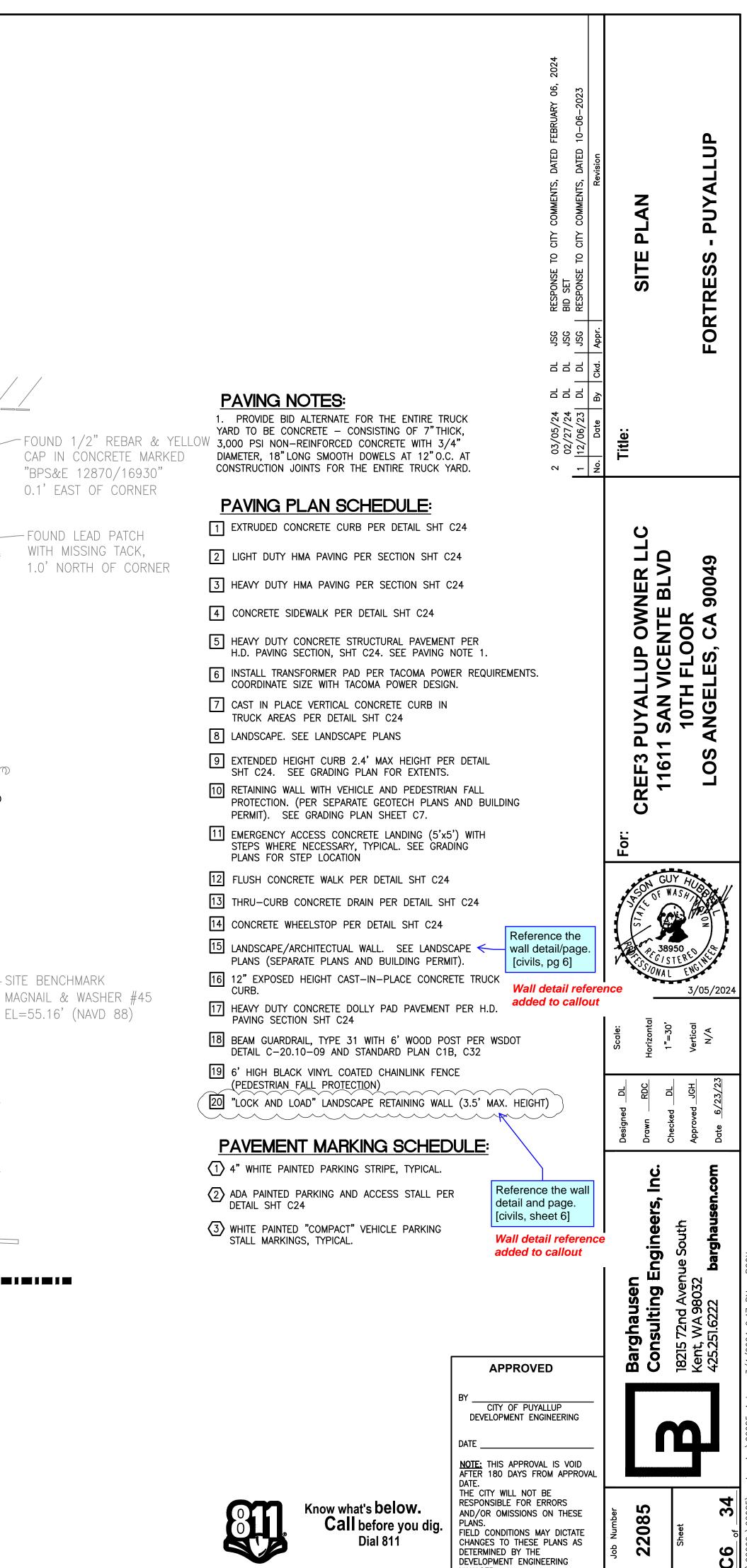


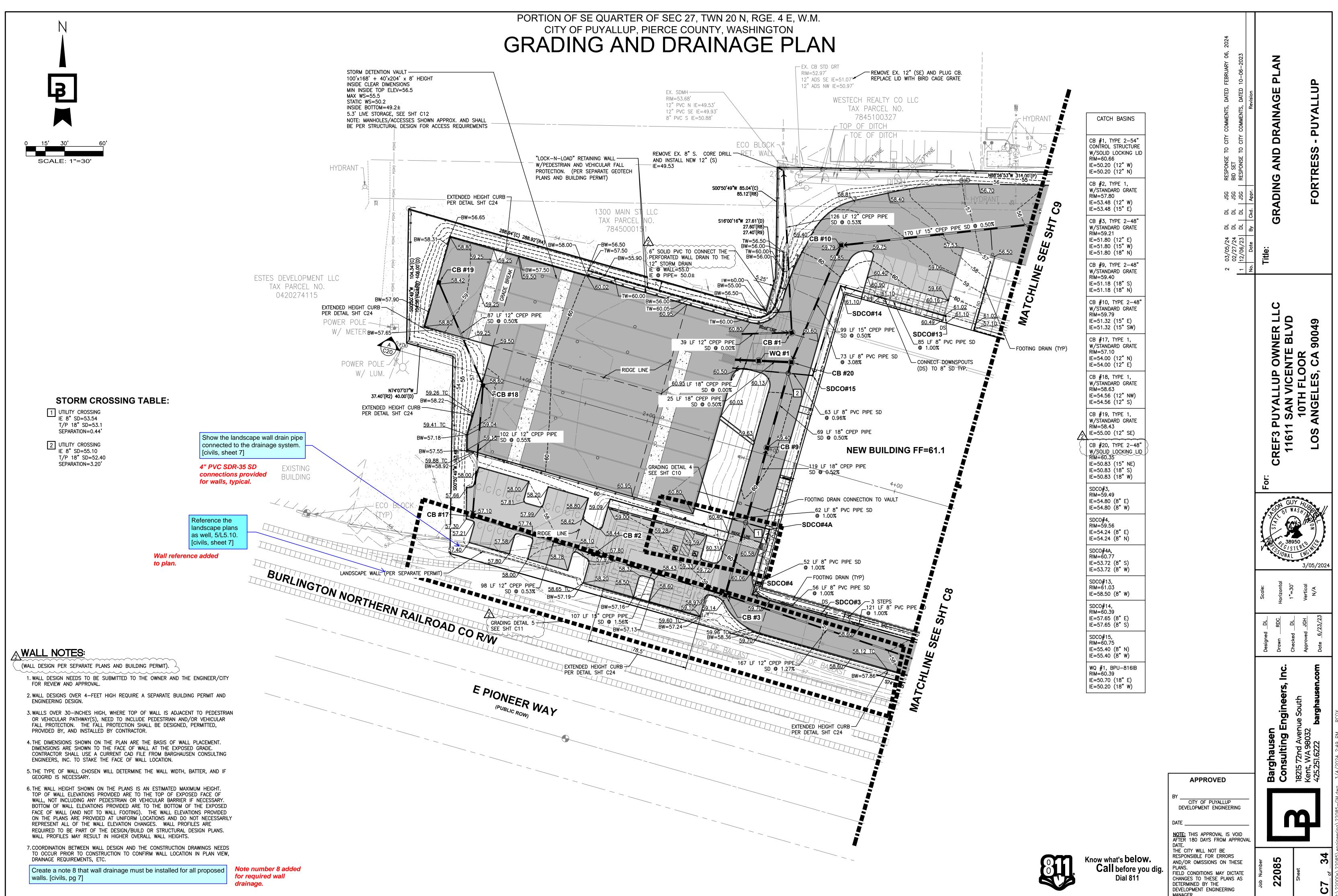


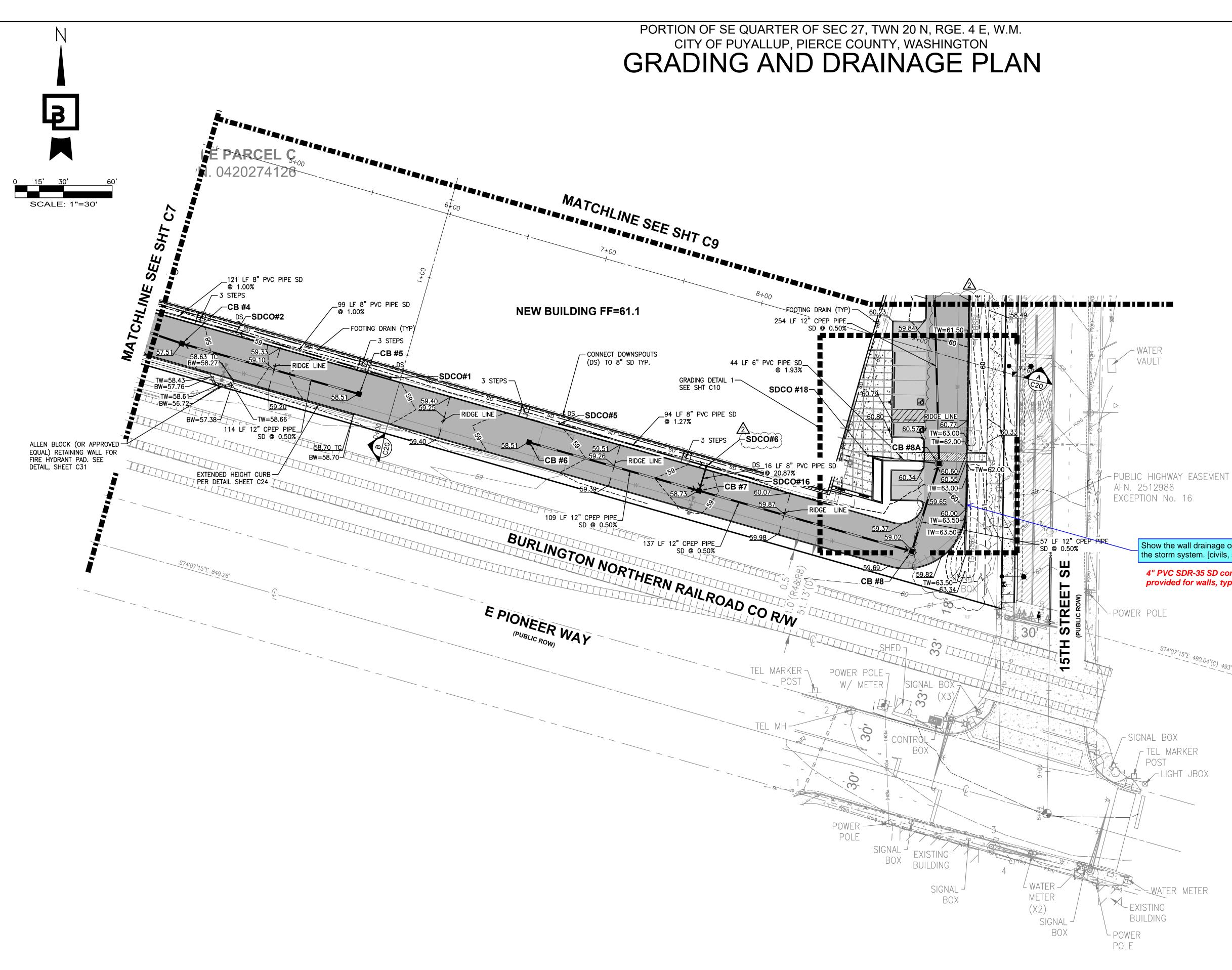
FOUND LEAD & TACK W/ WASHER MARKED "LAY 15023" IN WALL, 0.02 ULAY 15023" EAST OF CORNER FOUND LEAD & TACK W/ WASHER MARKED "LAY 15023" IN WASHER MARKED "LAY 15023" IN WASHER MARKED "LAY 15023" IN WASHER MARKER POST	2 03/05/24 DL DL JSG RESPONSE TO CITY COMMENTS, DATED FEBRUARY 06, 2024 02/27/24 DL DL JSG BID SET 1 12/06/23 DL DL JSG RESPONSE TO CITY COMMENTS, DATED 10-06-2023 No. Date By Cird Appr. Revision	Designed DL Sodi: Drown RDC Horizontal Drown RDC Horizontal Drown LDC Horizontal Drown LDC Horizontal Opened JDH Vertical Vertical NA Vertical Vertical Title: Title: Dota 6/23/23 Dota 6/23/23 Dota 9/23/23 Difference	
POST		Designed DL Besigned DL Brawn RDC Provision RC, 1DC. Checked DL Approved JGH N/A N/A N/A Date 6/23/23	
Know what's below. Call before you dig. Dial 811	APPROVED BY CITY OF PUYALLUP DEVELOPMENT ENGINEERING DATE NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE DEVELOPMENT ENGINEERING MANAGER.	2085 2085 Sheet She Sheet She	O. of











BY CITY OF PUYALLUP DEVELOPMENT ENGINEERING DATE NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE DEVELOPMENT ENGINEERING MANAGER.	APPROVED				2 03/05/24 DL DL JSG RESPONSE TO CITY COMMENTS, DATED FEBRUARY 06, 2024 02/27/24 DL DL JSG BID SET 1 12/06/23 DL DL JSG RESPONSE TO CITY COMMENTS, DATED 10-06-2023 No. Date By Ckd. Appr. Revision
Job Number 22085 Sheet CB of 34	Barghausen Consulting Engineers, Inc. 18215 72nd Avenue South Kent, WA 98032 425.251.6222 barghausen.com	DesignedDLScale:DrawnRDCHorizontalCheckedDL1"=30'ApprovedJGHVerticalDate6/23/23N/A	BUT SOUTH AS AT A SOUTH AS AT	For: CREF3 PUYALLUP OWNER LLC 11611 SAN VICENTE BLVD 10TH FLOOR LOS ANGELES, CA 90049	Title: GRADING AND DRAINAGE PLAN FORTRESS - PUYALLUP

Show the wall drainage connected to the storm system. [civils, sheet 8]

4" PVC SDR-35 SD connections provided for walls, typical.

______S74*07'15"E 490.04'(C) 493'±(D)

LIGHT JBOX



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

CATCH BASINS

CB #4, TYPE 1, W/STANDARD GRATE RIM=57.50

CB #5, TYPE 1, W/STANDARD GRATE RIM=58.50

CB #6, TYPE 1, W/STANDARD GRATE RIM=58.50

CB #7, TYPE 1, W/STANDARD GRATE RIM=58.73

IE=53.93 (12" E) IE=53.93 (12" W)

IE=54.50 (12" W)

IE=54.50 (12" E)

IE=53.95 (12" W) IE=54.28 (8" N) IE=53.95 (12" E)

CB #8, TYPE 2-48"

W/STANDARD GRATE

IE=53.27 (12" W) IE=53.27 (12" N)

CB #8A, TYPE 2-48" W/SOLID LOCKING LID RIM=60.45

SDCO #18, PLANTER DRAIN RIM=60.85 IE=57.85 (6" E)

IE=52.99 (12" S)

IE=57.00 (6" W) IE=52.99 (12" N)

SDCO#1, RIM=59.34 IE=57.00 (8" W)

SDCO#2, RIM=59.40 IE=56.01 (8" E) IE=56.01 (8" W)

IE=58.80 (8" E)

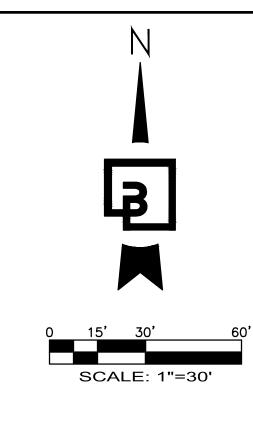
IE=57.60 (8" W) IE=57.60 (8" E) IE=57.60 (8" S)

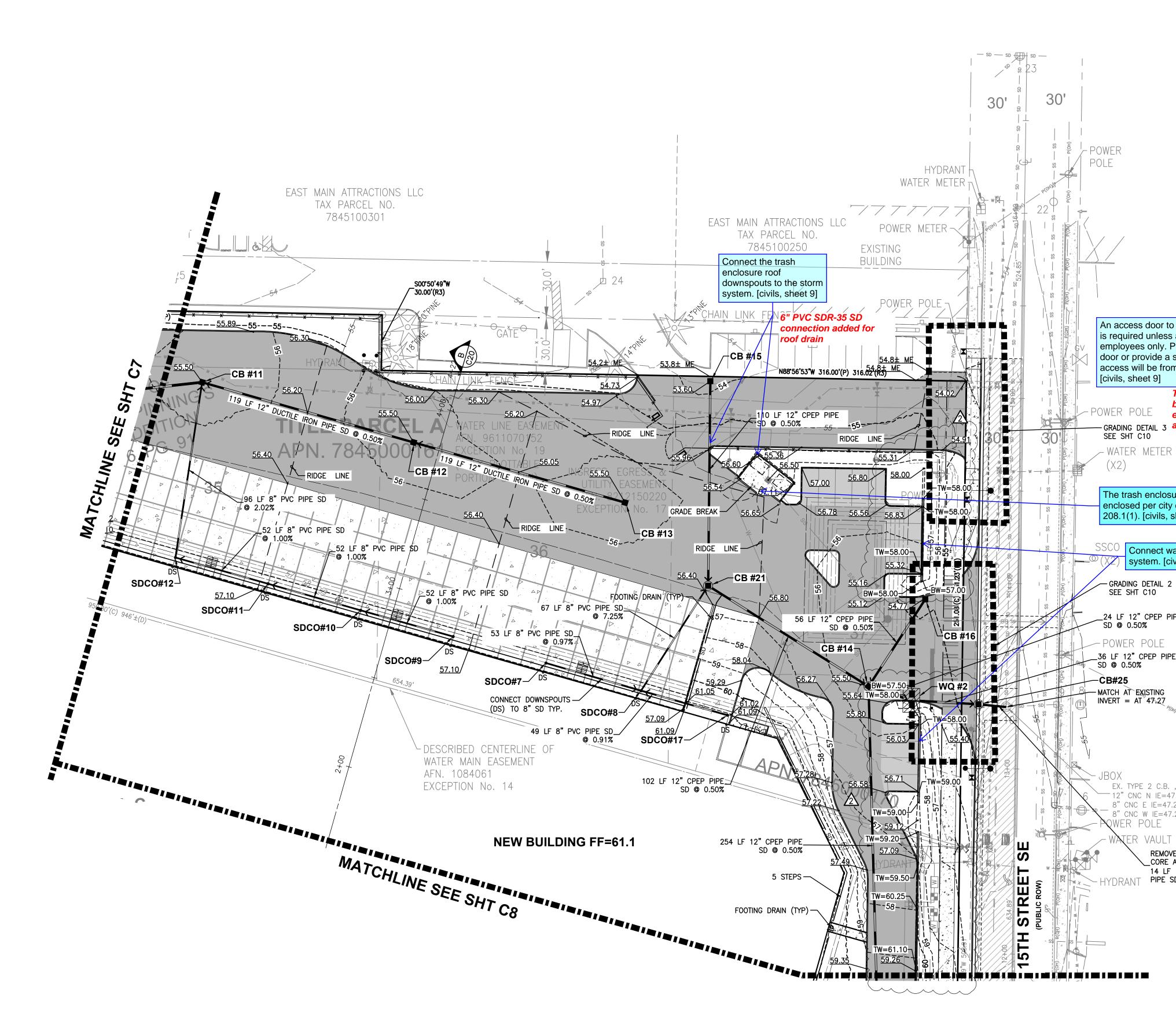
SDCO#16, RIM=60.10 IE=57.10 (8" W)

SDCO**#**5, RIM=59.69

SDCO#6, RIM=59.58

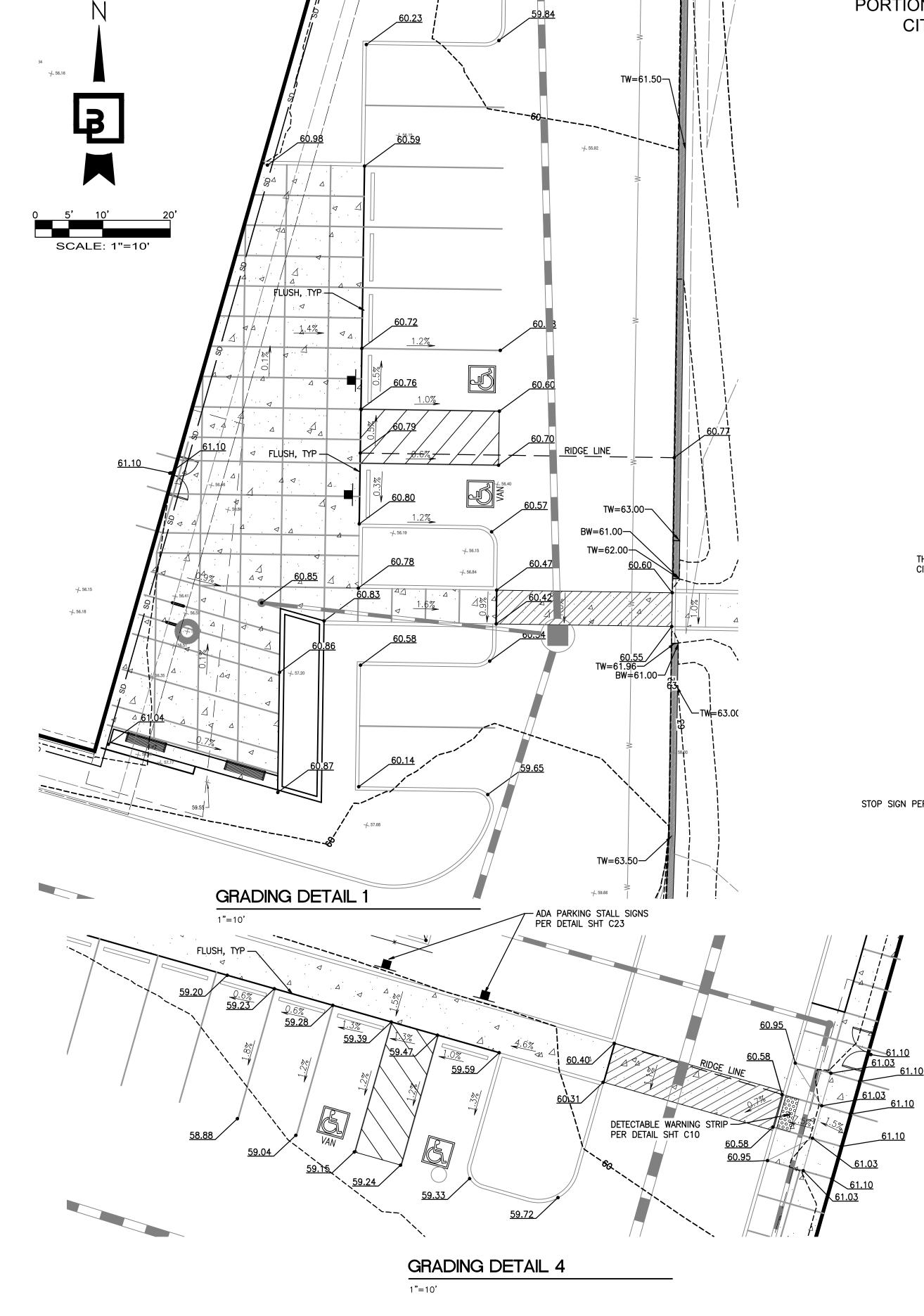
RÍM=59.00

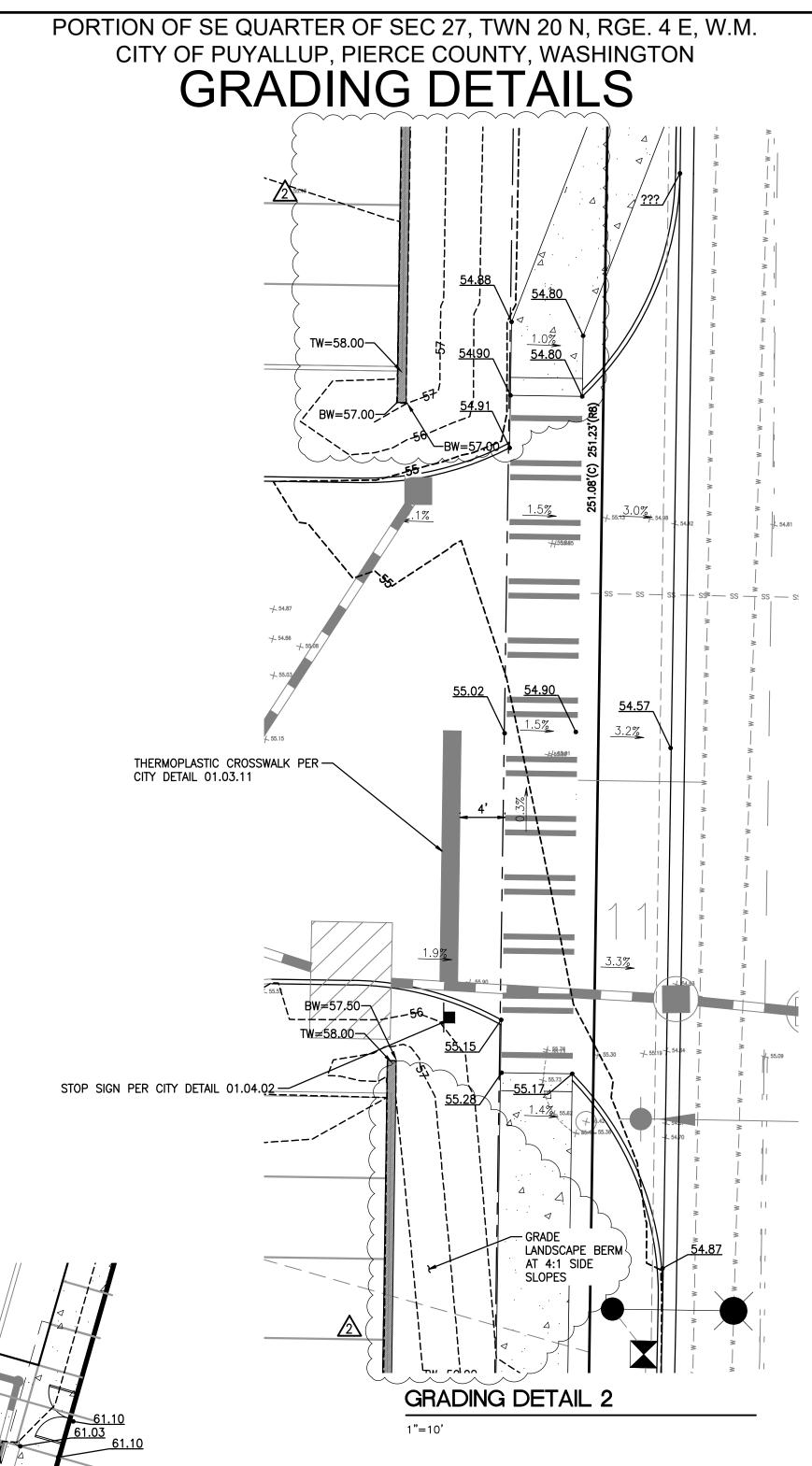


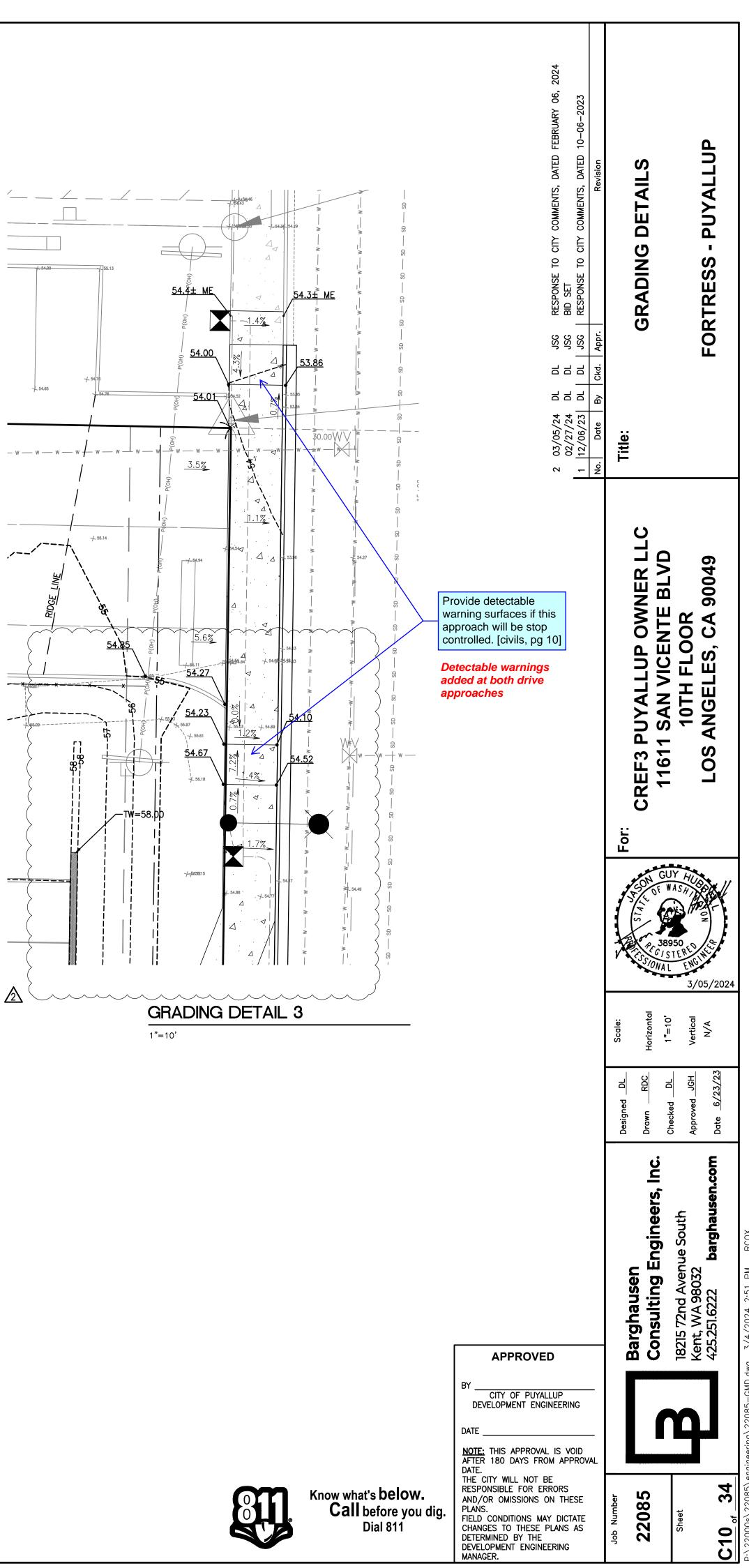


PORTION OF SE QUARTER OF SEC 27, TWN 20 N, RGE. 4 E, W.M. CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON GRADING AND DRAINAGE PLAN

	CATCH BASINS CB #11, TYPE 1, W/STANDARD GRATE RIM=55.50 IE=52.17 (12" E) IE=52.17 (8" S) IE=52.17 (8" S) IE=52.17 (15" W) CB #12, TYPE 1, W/STANDARD GRATE RIM=55.50 IE=52.76 (12" E) IE=52.76 (12" W) CB #13, TYPE 1, W/STANDARD GRATE RIM=55.50 IE=53.35 (12" W) CB #14, TYPE 2-48" W/STANDARD GRATE RIM=55.50 IE=51.73 (12" S) IE=49.54 (12" NW) IE=51.35 (12" NE) IE=49.54 (12" E) CB #15 TYPE 1, W/STANDARD CPATE	2 03/05/24 DL DL JSG RESPONSE TO CITY COMMENTS, DATED FEBRUARY 06, 2024 02/27/24 DL DL JSG BID SET 1 12/06/23 DL DL JSG RESPONSE TO CITY COMMENTS, DATED 10-06-2023 No. Date By Ckd. Appr. Response to CITY COMMENTS, DATED 10-06-2023	Title: GRADING AND DRAINAGE PLAN FORTRESS - PUYALLUP
	CB #15, TYPE 1, W/STANDARD GRATE RIM=53.60 IE=50.60 (12" S) CB #16, TYPE 1, W/STANDARD GRATE RIM=54.78 IE=51.63 (12" SW) CB #21, TYPE 2-48" W/SOLID LOCKING LID RIM=56.46 IE=50.05 (12" N) IE=50.38 (8" SW) IE=50.05 (12" SE) CB#25, TYPE 2-48" W/STD. GRATE RIM=54.64 IE=48.74 (12" W) Closure has been how it is fully IE=55.78 (8" E) SDC0#8, RIM=57.05 IE=55.26 (8" W) IE=55.26 (8" NE) SDC0#9, RIM=57.05 IE=55.66 (8" W) SDC0#10, RIM=57.05 IE=55.14 (8" E) IE=55.14 (8" W) SDC0#11, RIM=57.05 IE=54.62 (8" E) IE=54.62 (8" E) IE=54.62 (8" E) IE=54.62 (8" E)		For: CREF3 PUYALLUP OWNER LLC 11611 SAN VICENTE BLVD 10TH FLOOR LOS ANGELES, CA 90049
^Α ίο _υ 3. , RIM=55.17' 47.27' 47.27' 47.27' OVE EX. 12" PIPE.	IE=54.62 (8" W) SDCO#12, RIM=57.05 IE=54.10 (8" E) IE=54.10 (8" N) SDCO#17, RIM=61.04 IE=55.70 (8" W) WQ #2, 6X12IB RIM=55.43 IE=49.42 (12" W) IE=48.92 (12" E)		Designed <u>DL</u> Scale: Drawn <u>RDC</u> Horizontal Checked <u>DL</u> 1"=30' Approved <u>JGH</u> Vertical N/A Vertical Date <u>6/23/23</u>
E AND CONNECT NEW F 12" CONCRETE SD @ 10.22%		APPROVED BY DEVELOPMENT_ENGINEERING	Barghausen Consulting Engineers, Inc. 18215 72nd Avenue South Kent, WA 98032 425.251.6222 barghausen.com
81	Know what's below. Call before you dig. Dial 811	DATE NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE DEVELOPMENT ENGINEERING MANAGER.	Job Number 22085 Sheet Sheet O O O O O O Sheet CO O O O O O O O O O O O O O O O O O O

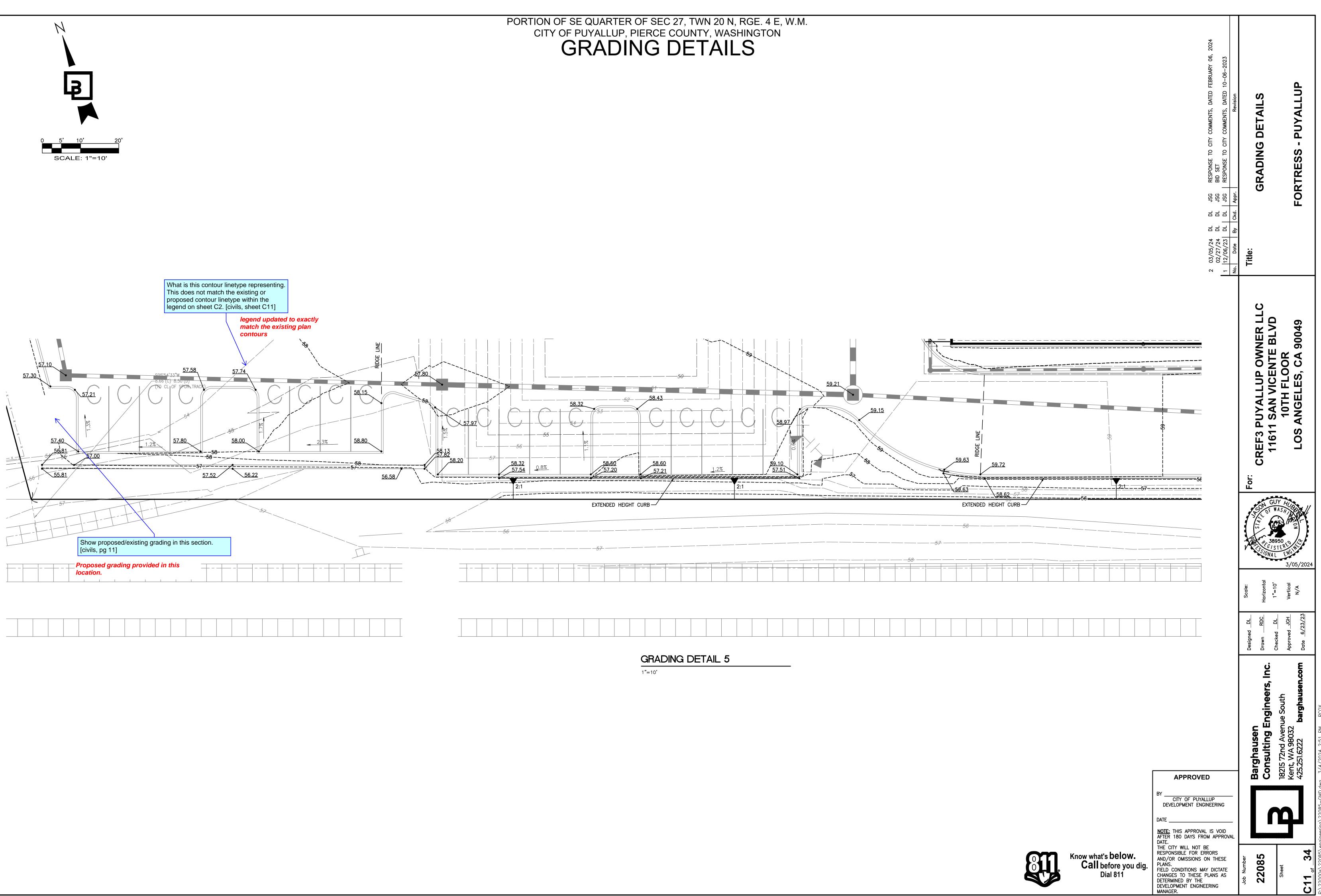


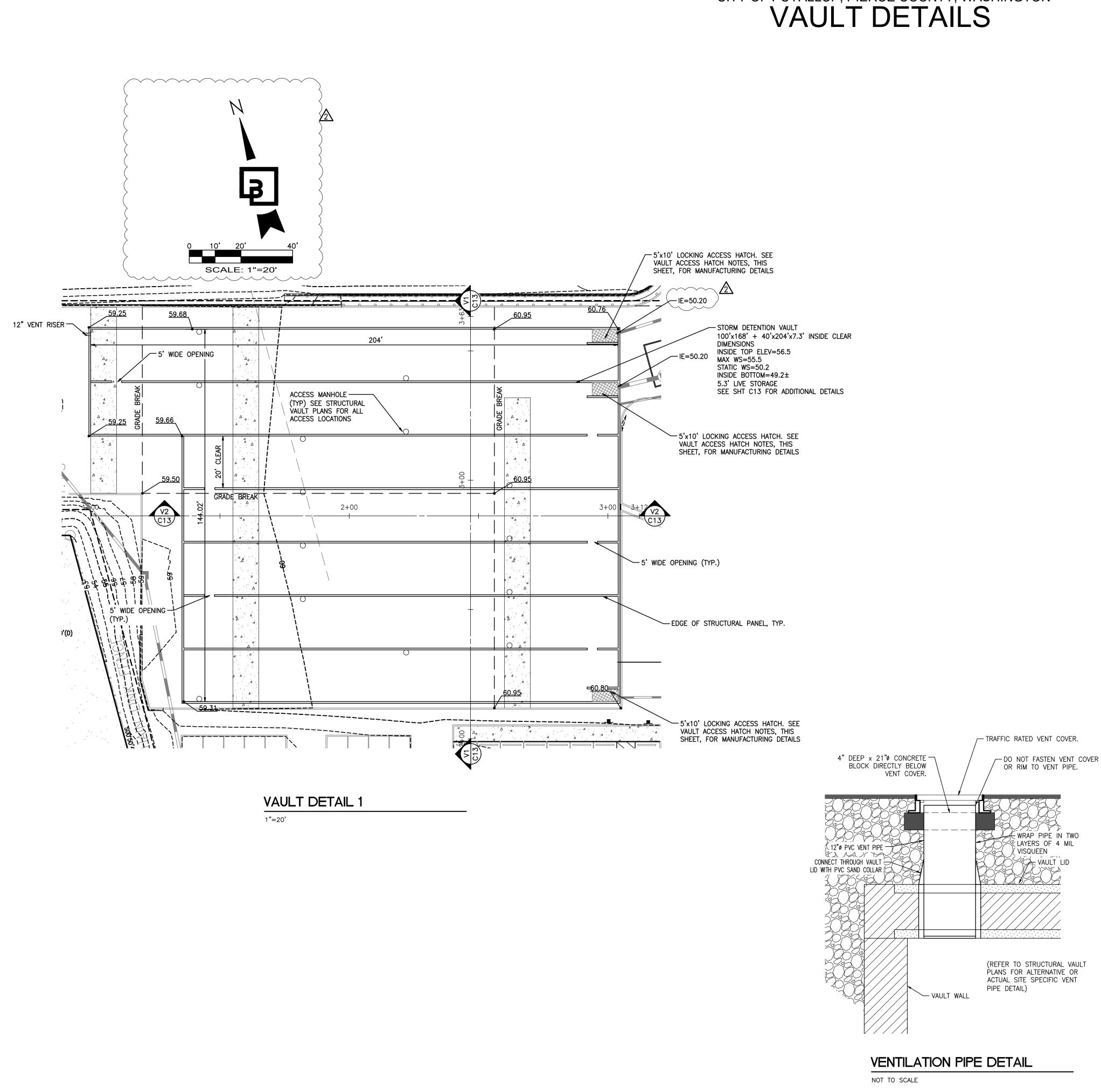




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2





VAULT NOTES:

- 1. VENTILATION PIPES (MIN. 12" DIAMETER OR EQUIVALENT) SHALL BE PROVIDED IN ALL CORNERS OF THE VAULT TO ALLOW FOR VENTILATION PRIOR TO ENTRY OF MAINTENANCE PERSONNEL INTO VAULT. VENTILATION PIPES ENTER TROUGH THE VAULT LID. PROVIDE LOCKING LIDS FLUSH WITH FINISH GRADE USING CLEANOUT.
- 2. WHERE PIPES ENTER AND LEAVE THE VAULT BELOW THE DESIGNED MAX WATER SURFACE, THEY SHALL BE SEALED USING A NON-POROUS, NON-SHRINKING GROUT.
- 3. ACCESS LOCATIONS, VAULT DESIGN AND WALL OPENINGS ARE PER THE STRUCTURAL DRAWING AND THE LOCATIONS ARE SHOWN FOR REFERENCE ONLY.
- 4. INSTALL CONFINED SPACE PLACARD AT ALL ACCESS POINTS TO THE VAULT.
- 5. CONTRACTOR SHALL SUBMIT MATERIAL SUBMITTALS FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.

VAULT ACCESS HATCH NOTES:

- 1. PROVIDE H-20 (MIN) TRAFFIC RATED 5'X10' LOCKING, PERSONAL 2-DOOR SOLID ACCESS HATCH.
- 2. FRAME AND HATCH COVER SHALL BE DESIGNED FOR 150 PSF LIVE LOAD. 3. A SPRING-ASSISTED LIFT WITH HOLD-OPEN FEATURE TORSION
- BARS SHALL BE INSTALLED. AUTOMATIC HOLD-OPEN ARM WITH GRIP HANDLE RELEASE SHALL BE ADDED.
- 4. POLYPROPYLENE RUNGS OR LADDER SHALL BE INSTALLED EXTENDING FROM THE HATCH TO THE BOTTOM OF THE VAULT.
- 5. A LADDER-UP MECHANISM SHALL BE INSTALLED CENTERED
- OVER THE RUNGS OR LADDER BELOW THE HATCH. 6. ALL HARDWARE SHALL BE ZINC-COATED.

VAULT ACCESS OPENINGS NOTES:

- 1. IN ADDITION TO THE HATCHES SHOWN, VAULT ACCESS OPENINGS MUST BE PROVIDED SUCH THAT NO LOCATION WITHIN THE VAULT IS MORE THAN 50 FEET FROM AN ACCESS OPENING. ACCESS TO EACH "V" ON THE VAULT FLOOR MUST BE PROVIDED.
- 2. ACCESS OPENINGS MUST HAVE ROUND, SOLID LOCKING LIDS, OR 3 FOOT SQUARE, LOCKING DIAMOND PLATE COVERS.

DETENTION VAULT DATA:				
MIN INSIDE TOP OF VAULT ELEV= 56.7 MAX W.S. ELEV= 55.5 STATIC W.S. ELEV= 50.2				
SEE THIS SHEET AND C13 FOR DETAILS.				
DETENTION VAULT: LIVE STORAGE VOLUME REQUIRED= 143,488 C.F. LIVE STORAGE VOLUME PROVIDED= 143,488 C.F.				
AS-BUILT DETENTION VOLUME CONSTRUCTED=	C.F.			

Δ S > ш Δ S ⊢ S ORTRE SET C 4 RES BID RES JSC JSC JSC ㅋㅋㅋ , 27 03, 02, 12, 2 - | ž C 90049 OWNER | NTE BLVI R 4 0 0 VYALLUP (SAN VICEN 10TH FLOC ار S, σ ~ REF3 1161 S 0 $\overline{\mathbf{O}}$ Fo GUY 3/05/202 N/A d ă ā Ž Barghausen Consulting Enginee 18215 72nd Avenue South Kent, WA 98032 425.251.6222 barghaus CITY OF PUYALLUP DEVELOPMENT ENGINEERING m NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS 4 22085 AND/OR OMISSIONS ON THESE ကျ FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE C12

2



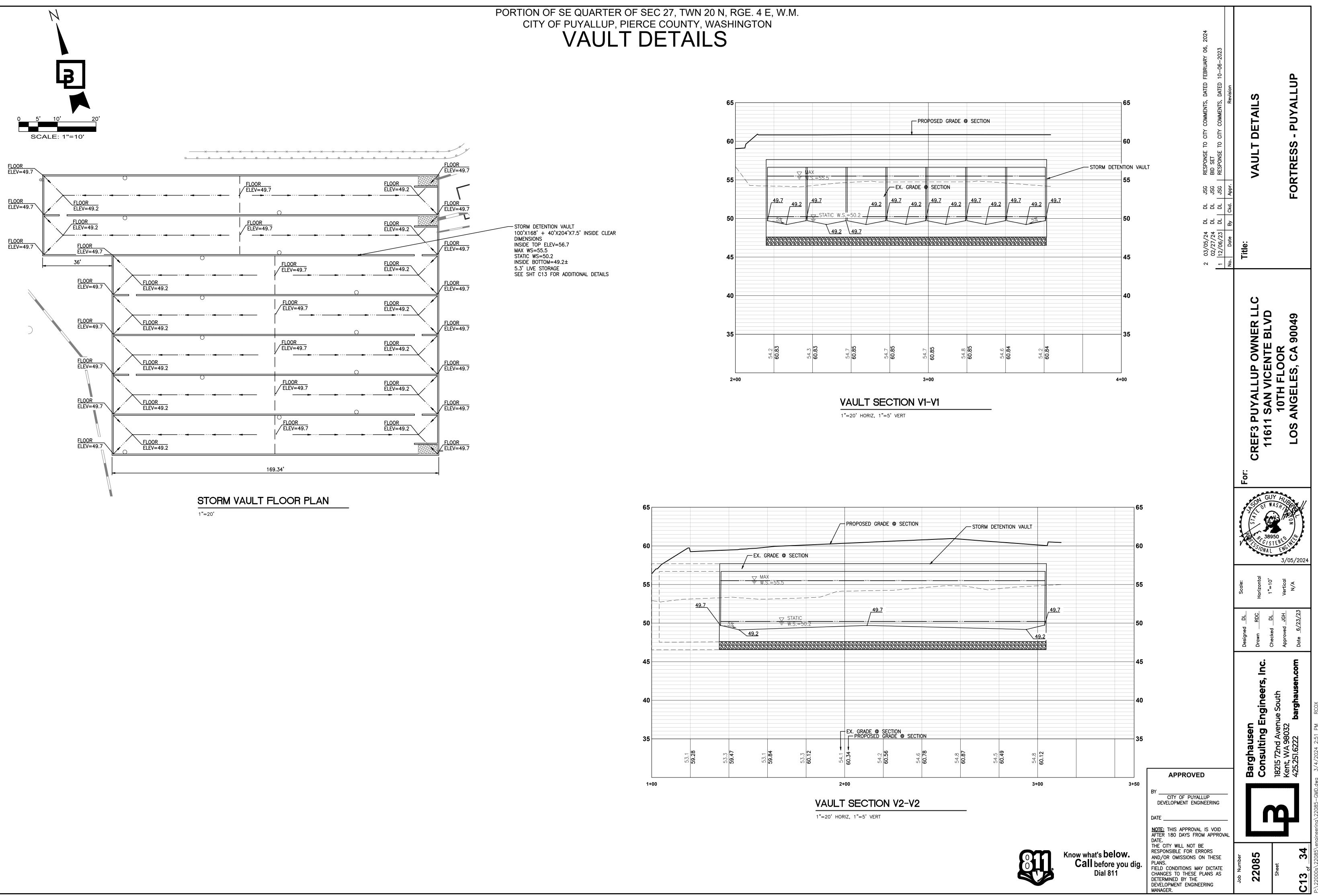
Know what's **below.** Call before you dig. Dial 811

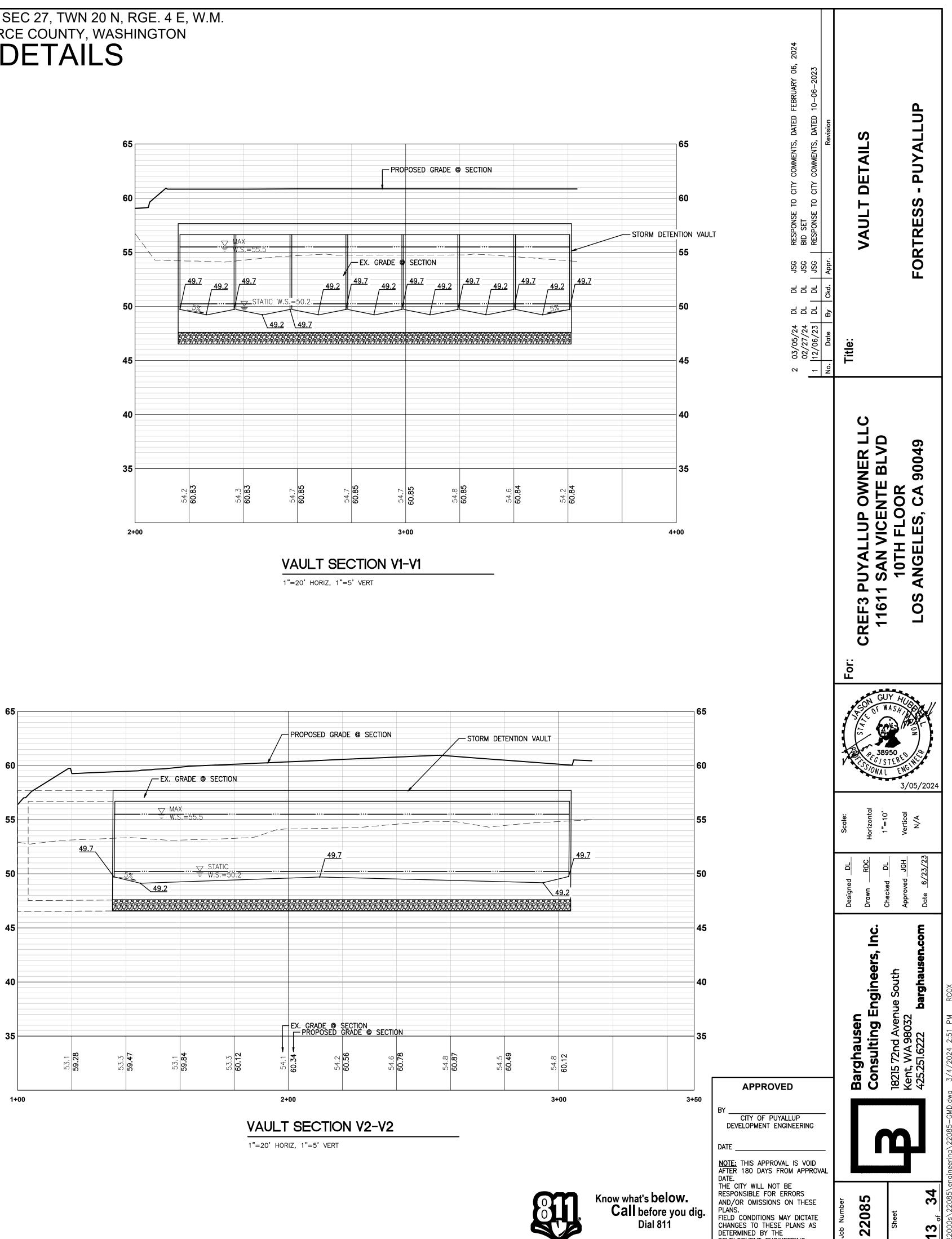
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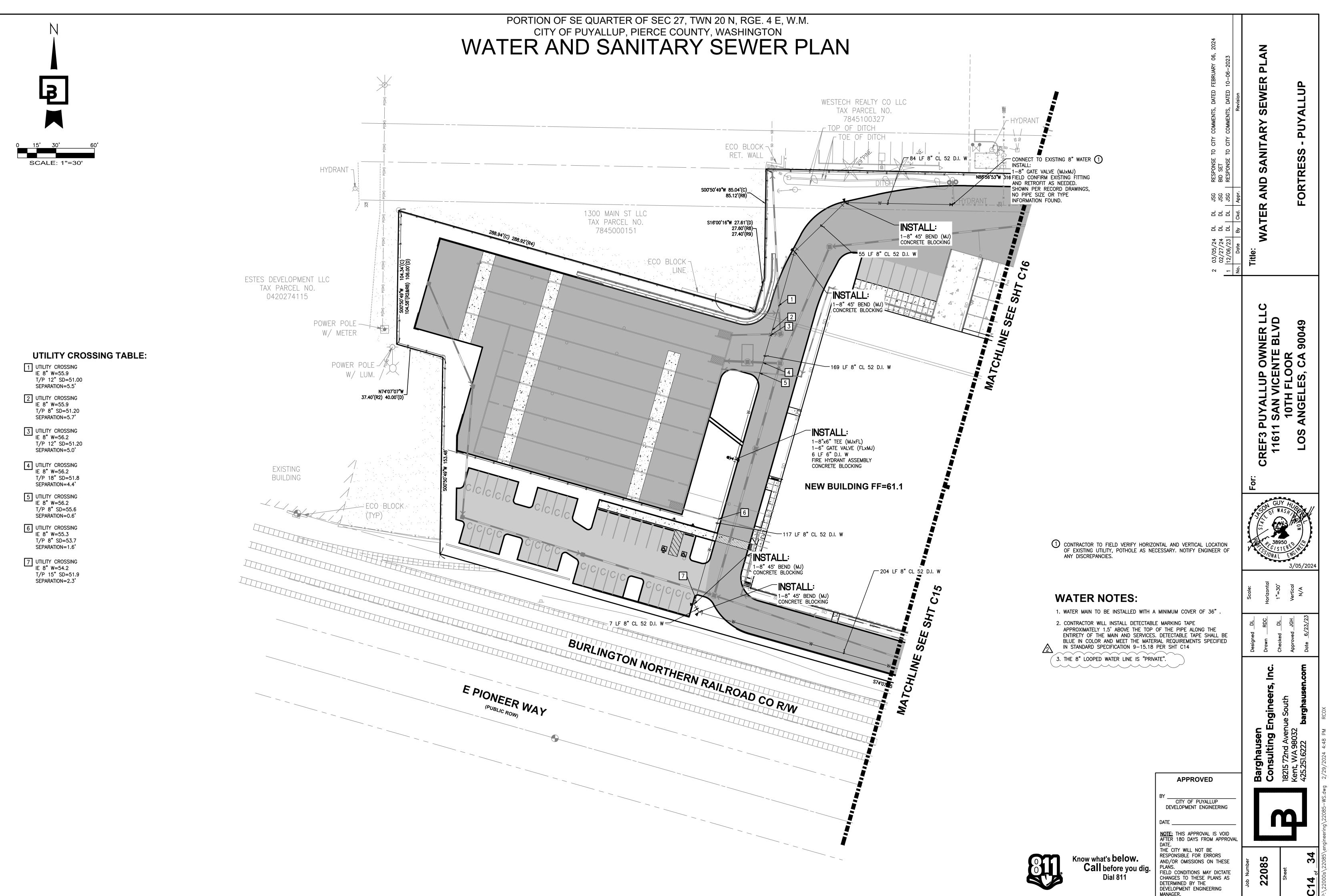
DEVELOPMENT ENGINEERING

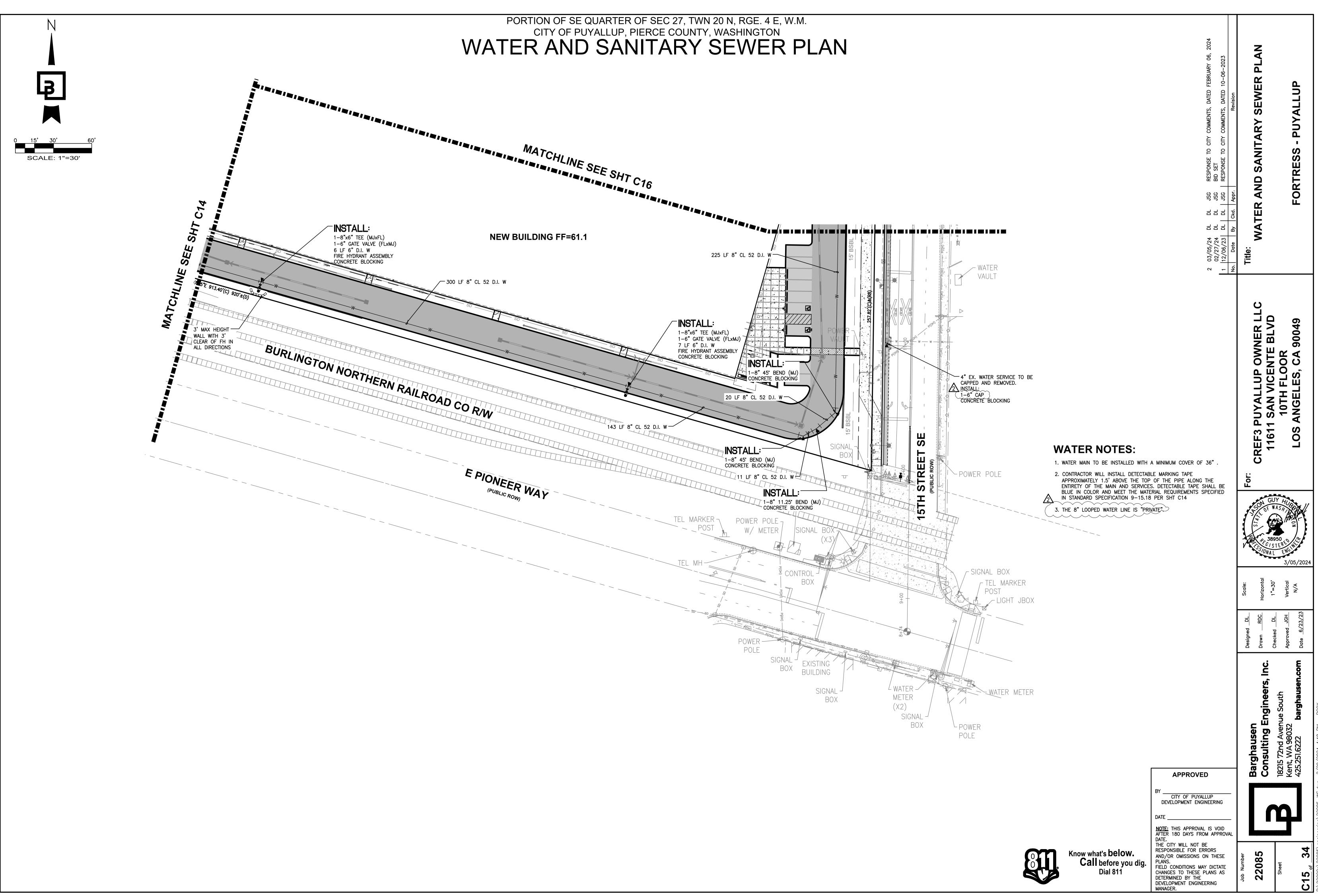
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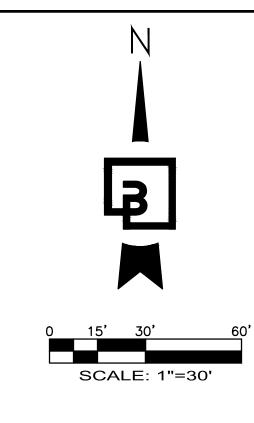
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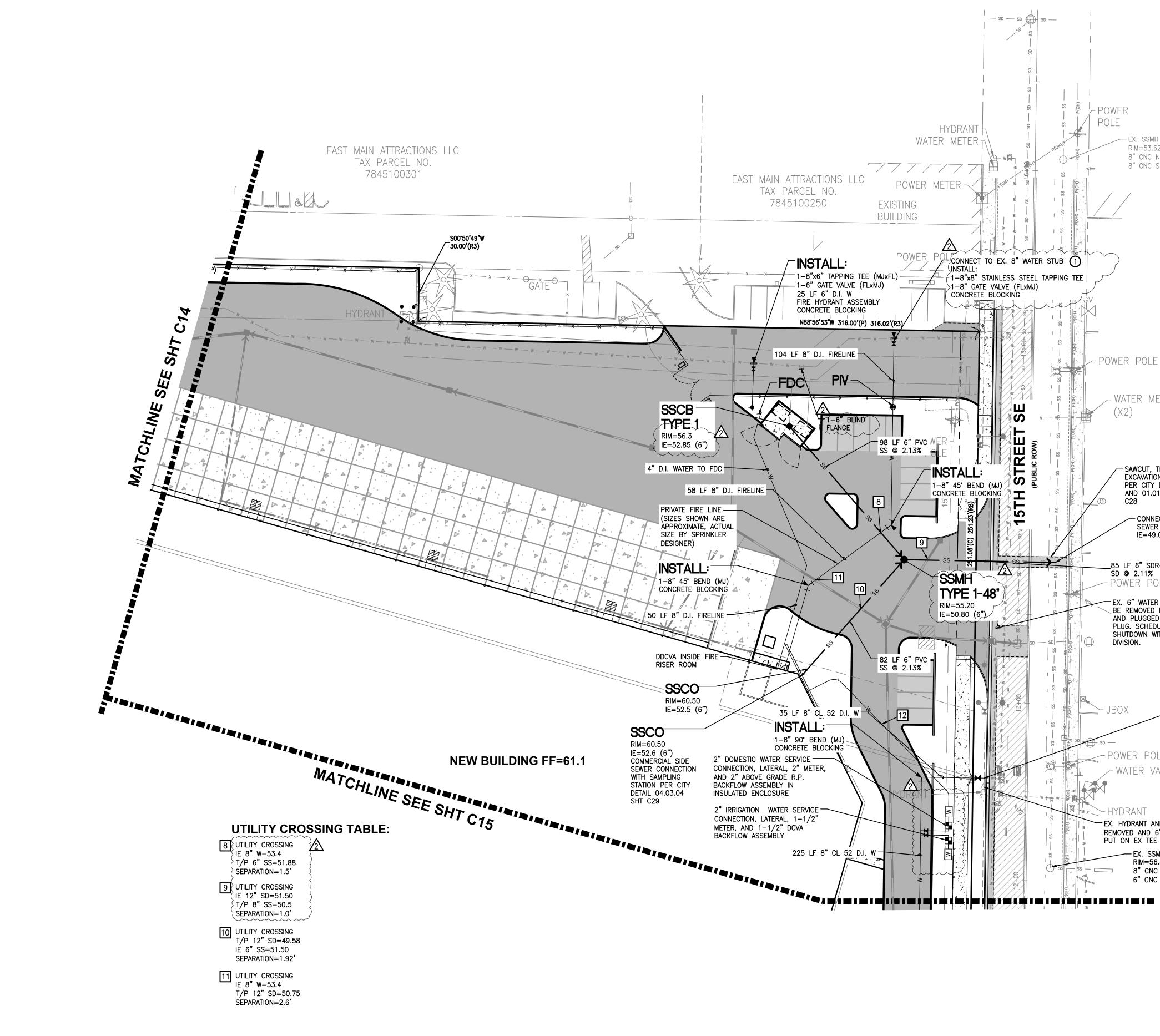






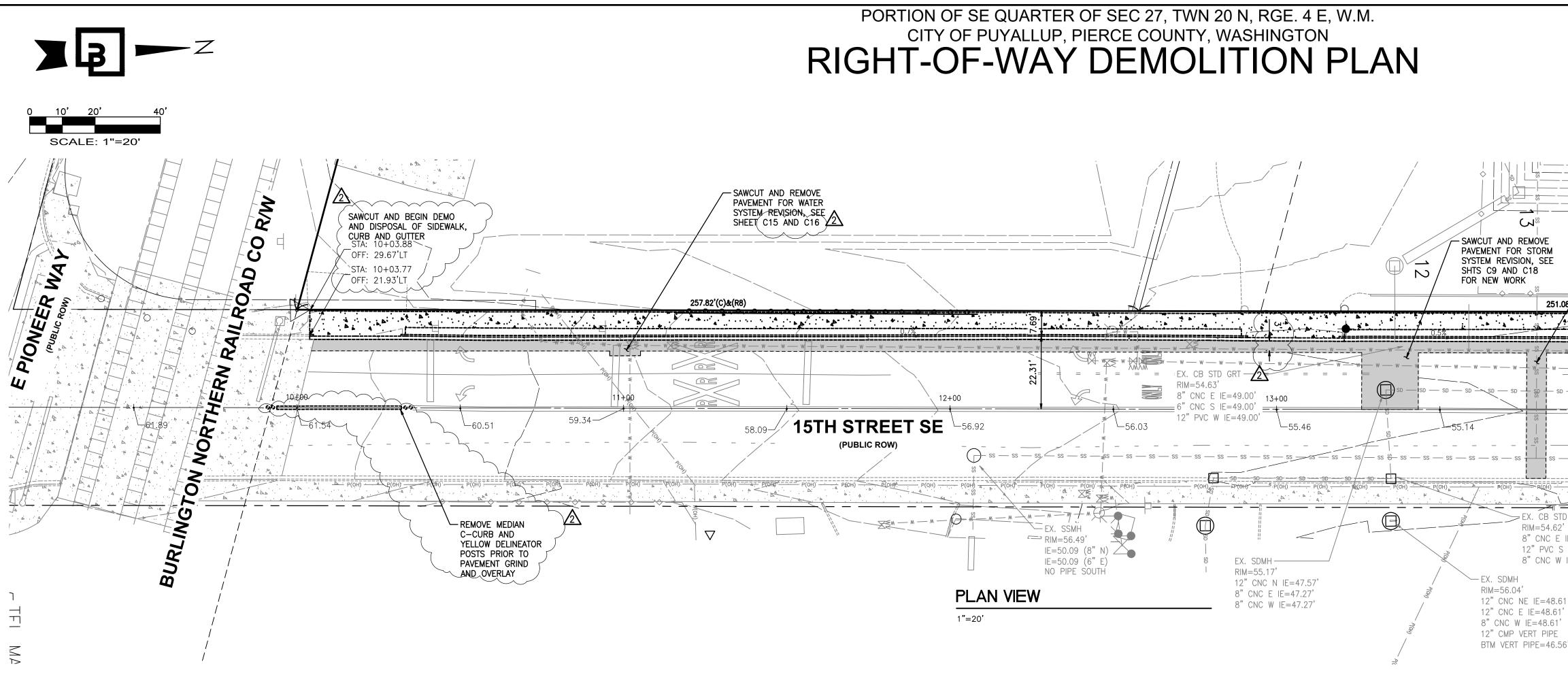


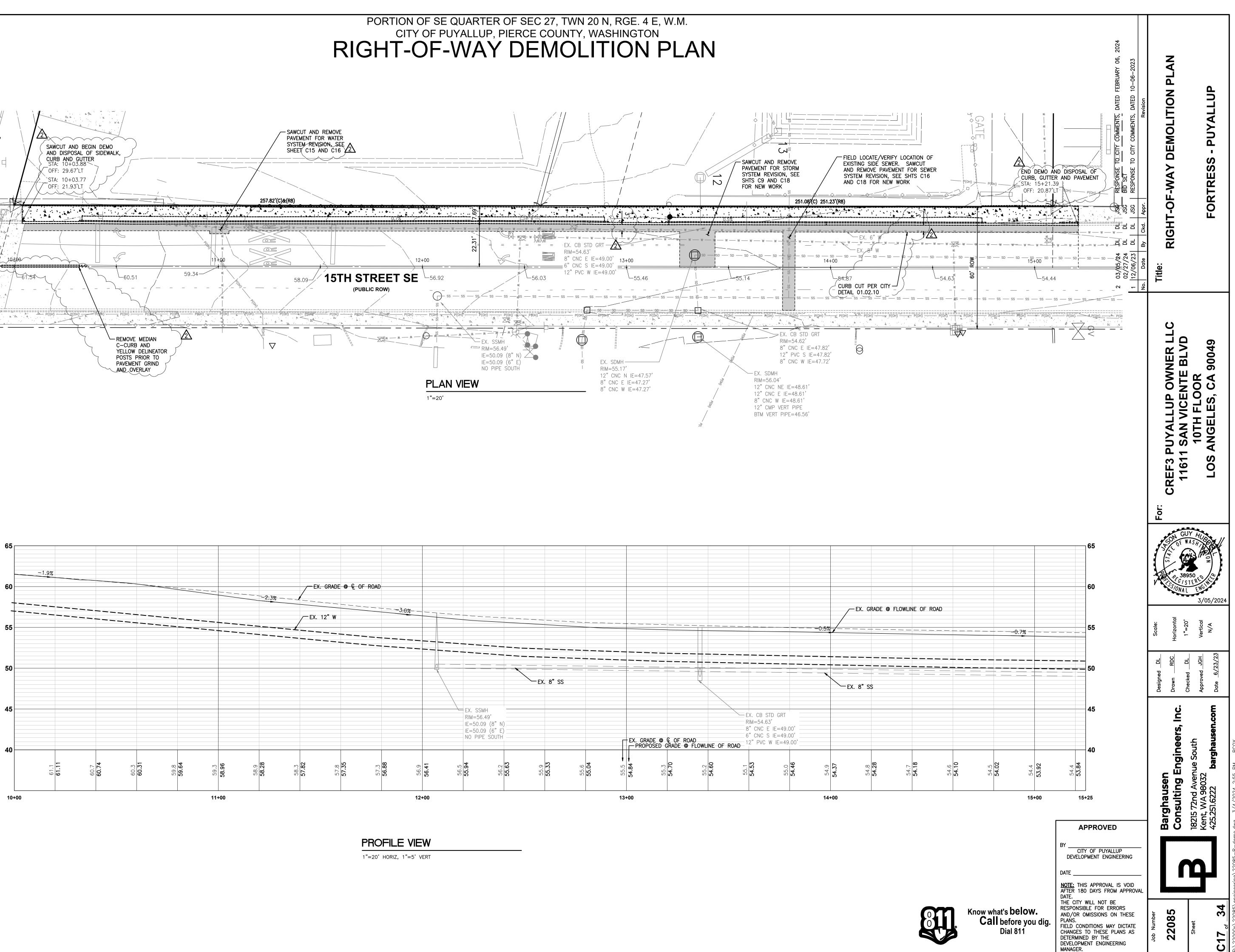




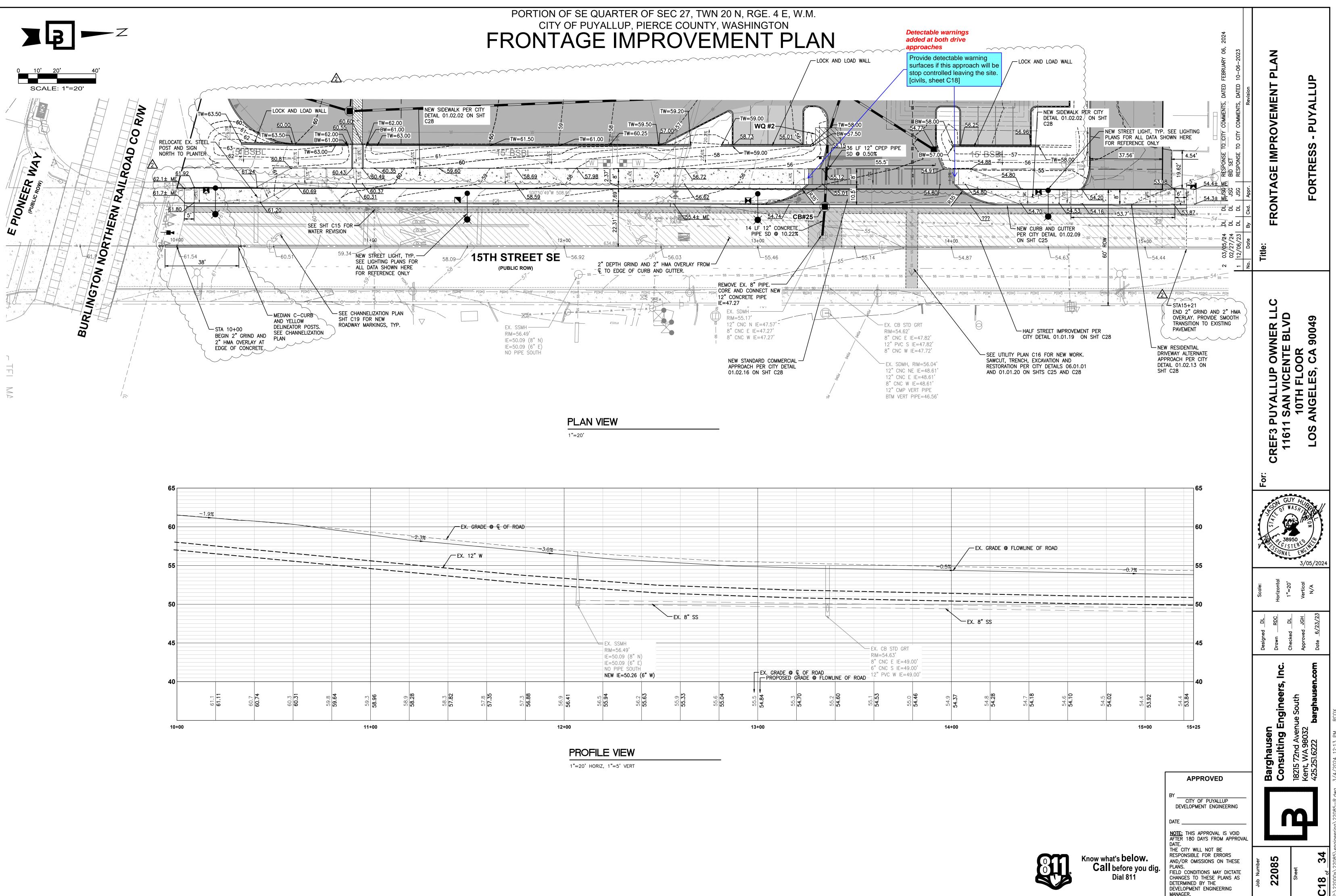
PORTION OF SE QUARTER OF SEC 27, TWN 20 N, RGE. 4 E, W.M. CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON WATER AND SANITARY SEVER PLAN

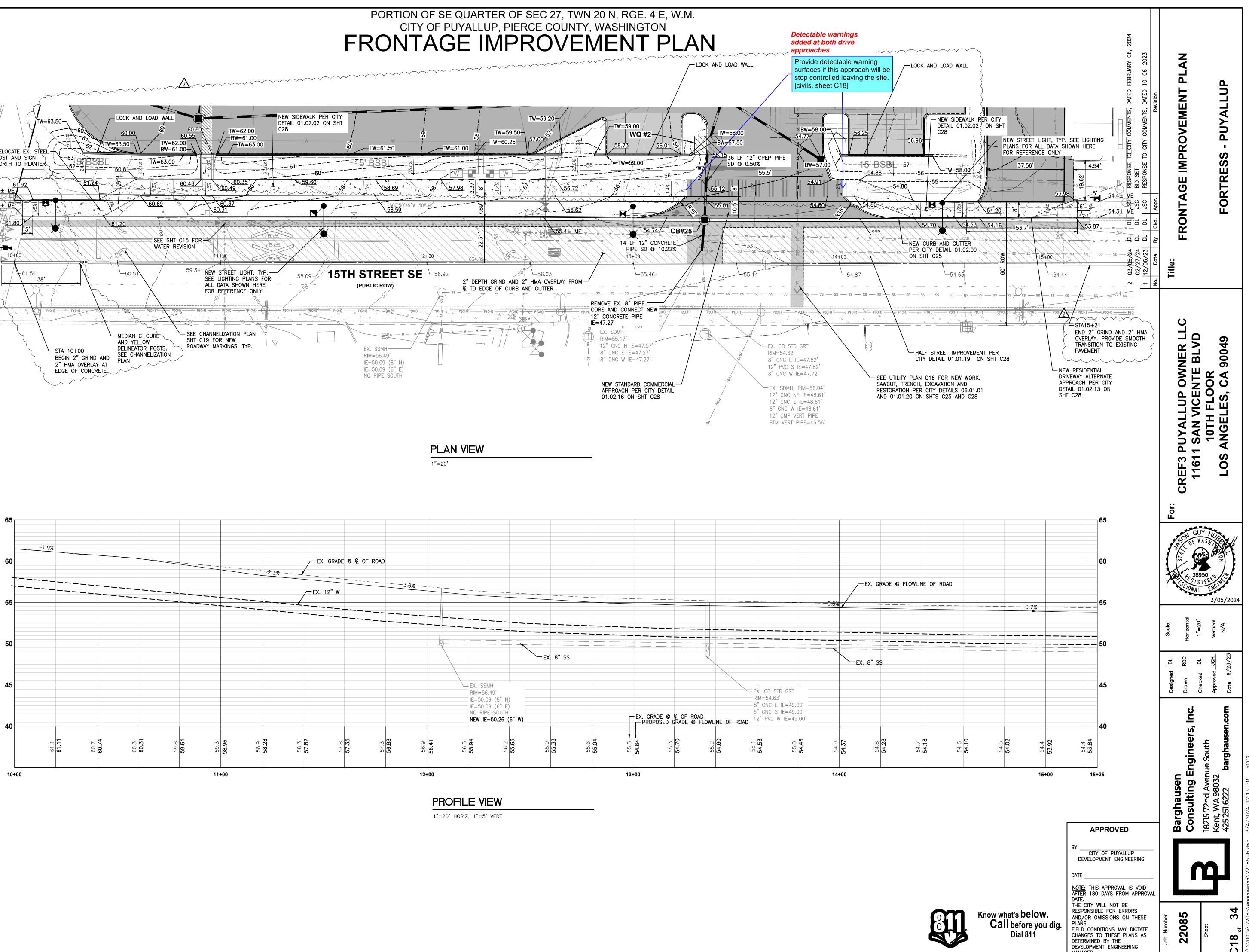
EX. SSMH RIM=53.62' 8" CNC N IE=48.38' 8" CNC S IE=48.38'		2 03/05/24 DL DL JSG RESPONSE TO CITY COMMENTS, DATED FEBRUARY 06, 2024 02/27/24 DL DL JSG BID SET 1 12/06/23 DL DL JSG RESPONSE TO CITY COMMENTS, DATED 10-06-2023 No. Date By Ckd. Appr. Response TO CITY COMMENTS, DATED 10-06-2023	WATER
SAWCUT, TRENCH AND EXCAVATION AND RESTORATION PER CITY DETAILS 06.01.01 AND 01.01.20 SHT C25 AND C28 CONNECT SEWER STUB TO EX SEWER MAIN.	CONTRACTOR TO FIELD VERIFY HORIZONTAL AND VERTICA OF EXISTING UTILITY, POTHOLE AS NECESSARY. NOTIFY E ANY DISCREPANCIES.		CREF3 PUYALLUP OWNER LLC 11611 SAN VICENTE BLVD 10TH FLOOR LOS ANGELES, CA 90049
IE=49.0± F 6" SDR-35 PIPE 9 2.11% VER POLE 6" WATER SERVICE LINE TO REMOVED FROM THE MAIN PLUGGED WITH A BRASS G. SCHEDULE A WATER MAIN TDOWN WITH THE WATER SION.	Revise note to state "Ex. water service line to be removed from the 6" main and plugged with a brass plug. Schedule a water main shutdown with the water division." [civils, sheet C16] Callout revised as noted		For: Scale: Horizontal Horizontal Vertical NAA Vertical NAA Vertical NAA Vertical NAA Vertical NAA Vertical NAA Vertical NAA Vertical NAA Vertical NAA Vertical Ver
ER POLE TER VAULT RANT DRANT AND 6" GV TO BE ED AND 6" BLIND FLANGE N EX TEE - EX. SSMH RIM=56.49 8" CNC N IE=50.09 6" CNC E IE=20.09	 WATER MAIN TO BE INSTALLED WITH A MININ CONTRACTOR WILL INSTALL DETECTABLE MAR APPROXIMATELY 1.5' ABOVE THE TOP OF THE ENTIRETY OF THE MAIN AND SERVICES. DETE BLUE IN COLOR AND MEET THE MATERIAL R IN STANDARD SPECIFICATION 9–15.18 PER S THE 8" LOOPED WATER LINE IS "PRIVATE". 	RKING TAPE HE PIPE ALONG THE ECTABLE TAPE SHALL BE REQUIREMENTS SPECIFIED SHT C14	JhausenDesignedDLglausenDesignedDLsulting Engineers, Inc.DrawnRDC72nd Avenue SouthCheckedDLWA 98032ApprovedJGH51.6222barghausen.comDate6/23/23Date6/23/23
	Additional Fire Hydrant/FDC approval block added to this sheet	APPROVED APPROVED BY CITY OF PUYALLUP DEVELOPMENT ENGINEERING DATE NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE	Job Number 22085 Sheet Sheet C16 34 C16 34 C16 34

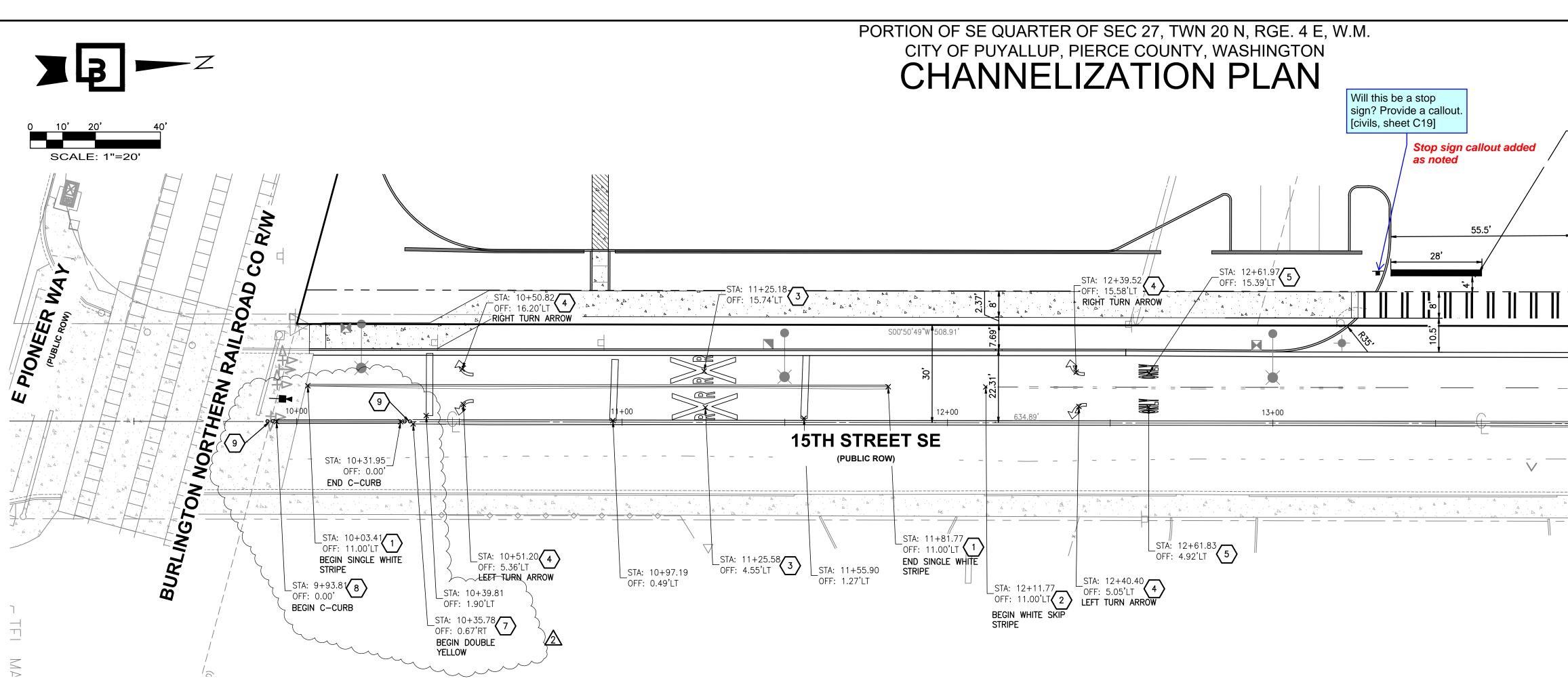




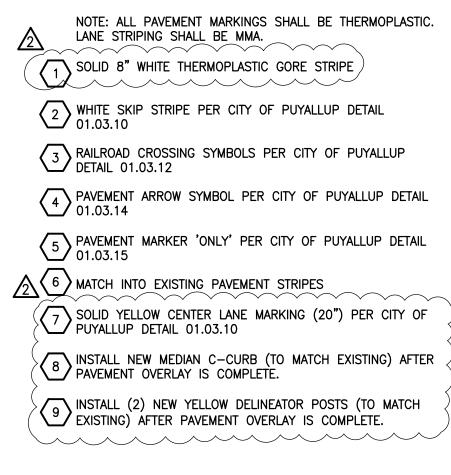


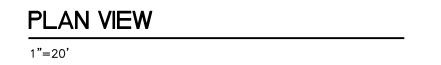


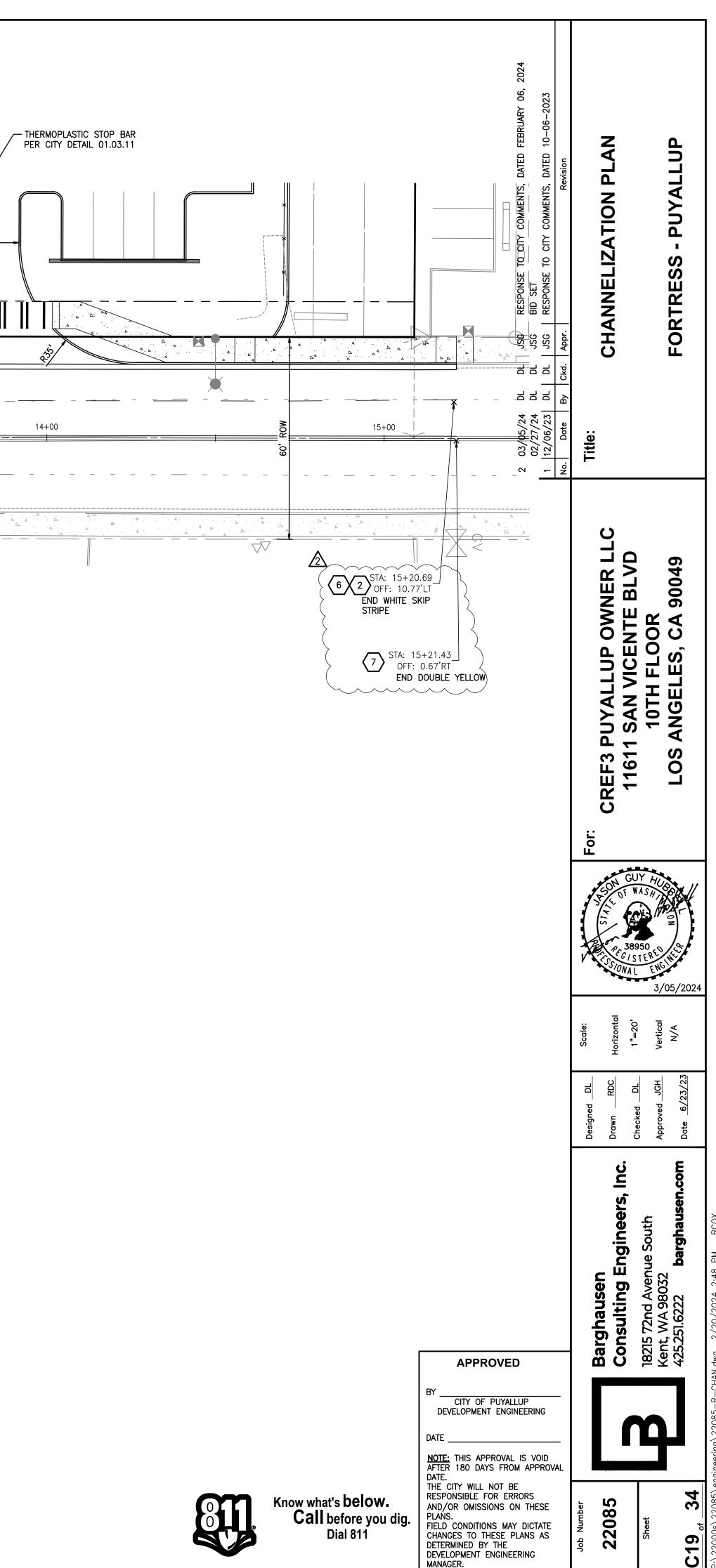


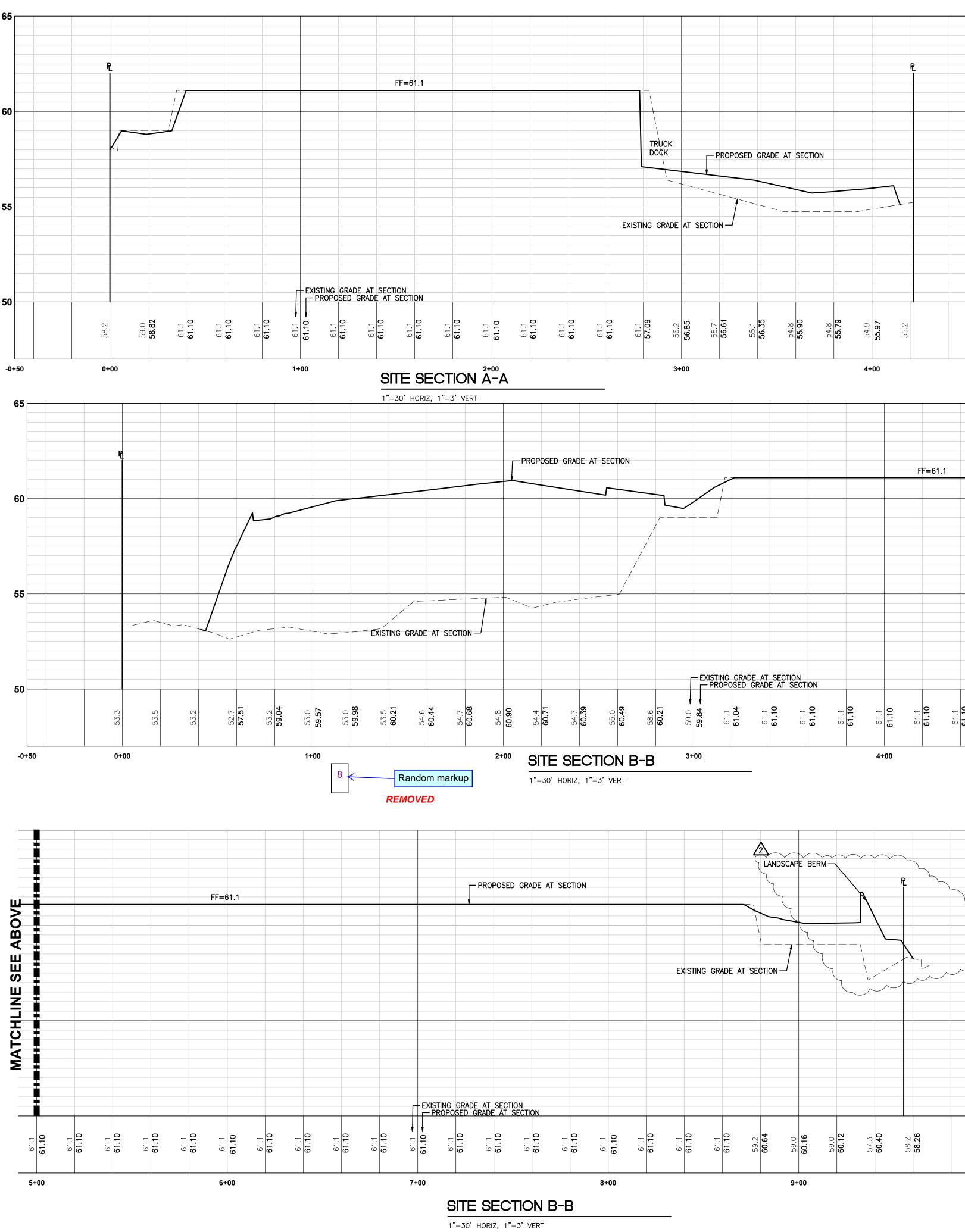


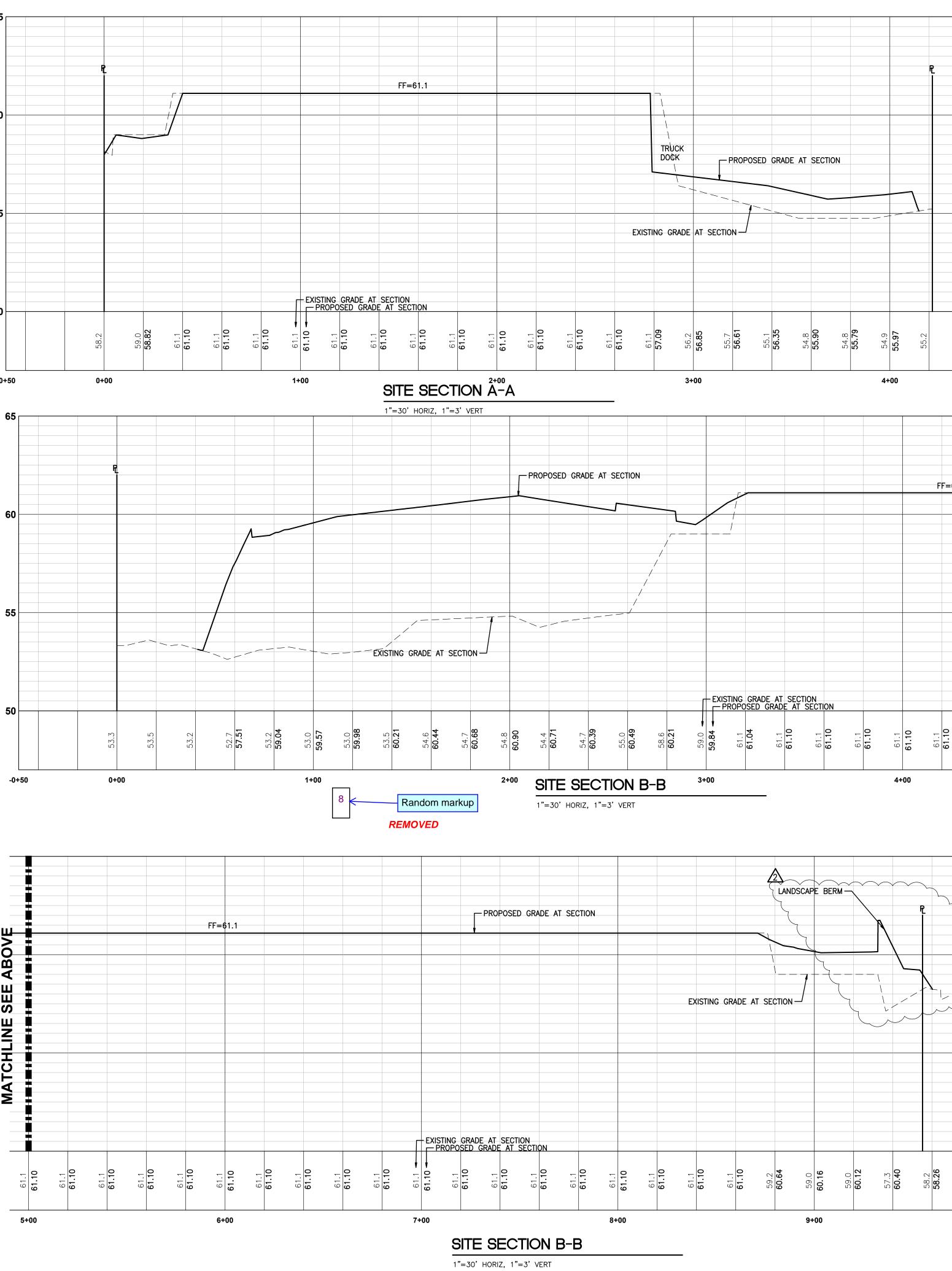
CONSTRUCTION NOTES:







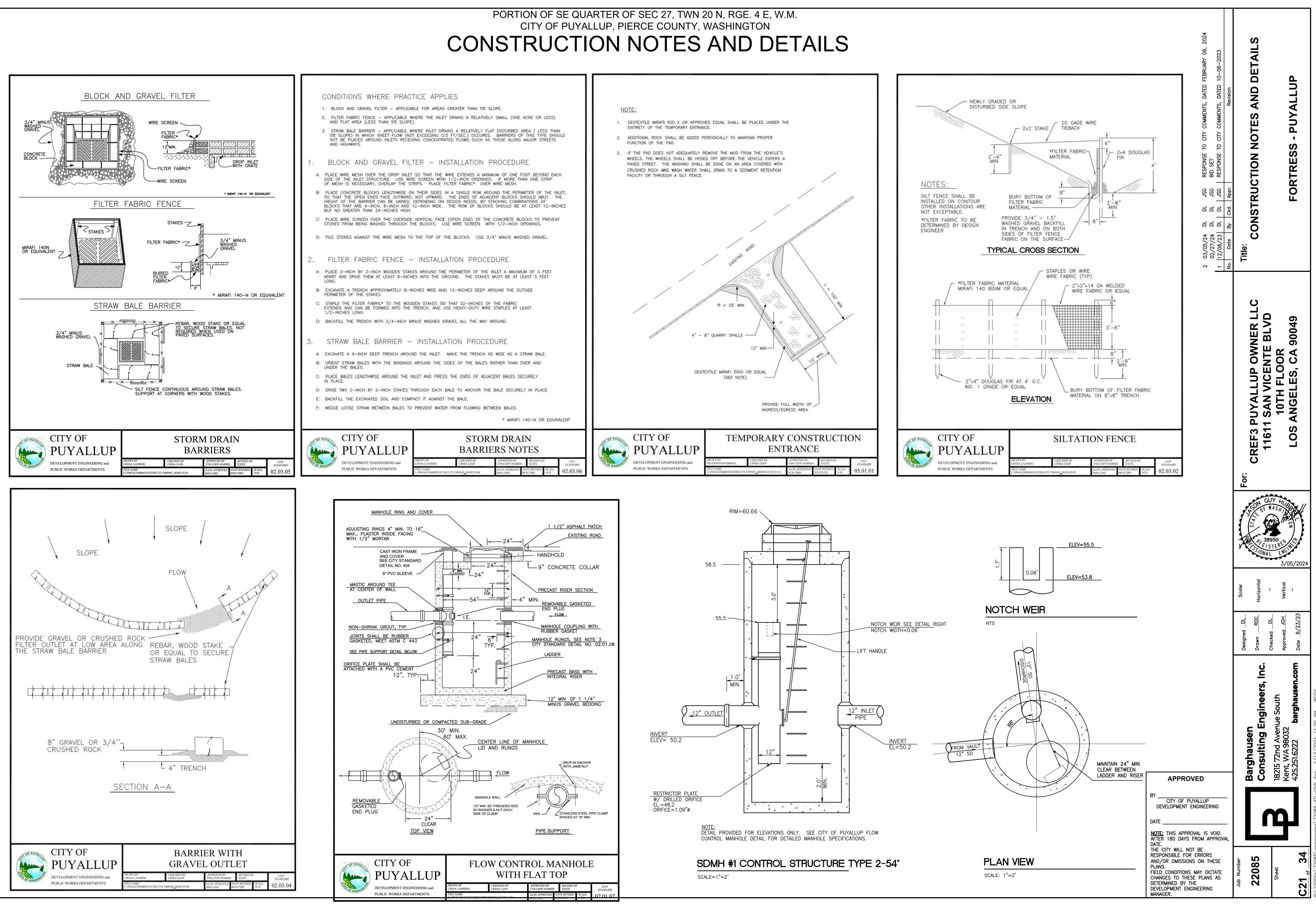


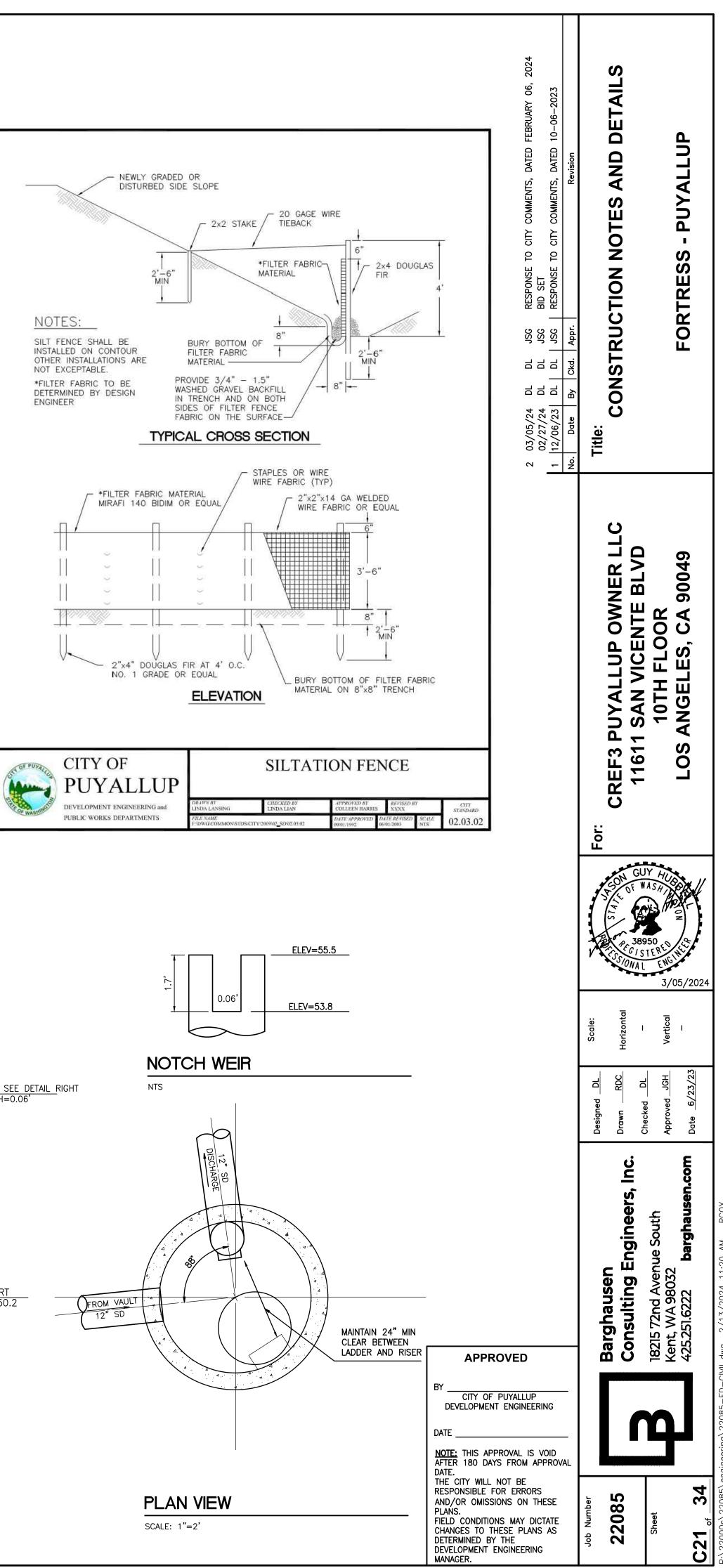


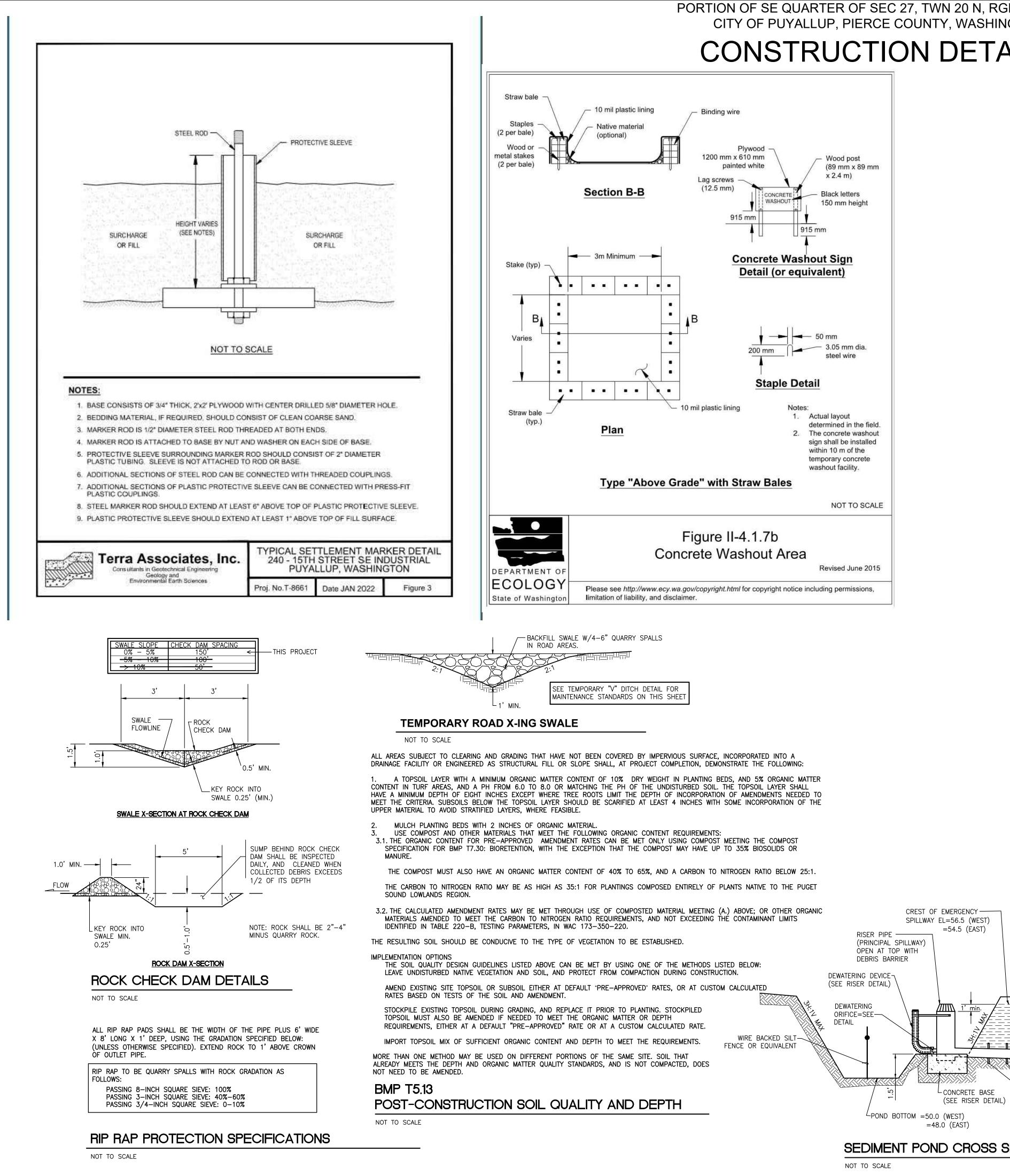


		65 60 55	DL DL JSC RESPONSE TO CITY COMMENTS, DATED FEBRUARY 06, 2024 DL DL JSC BID SET DL DL JSC RESPONSE DL DL JSC RESPONSE DL DL JSC RESPONSE DL DL JSC BID SET DL DL JSC RESPONSE BY Ckd. Appr. Revision	SITE SECTION FORTRESS - PUYA	
5+00	5+8	50	2 03/05/24 02/27/24 1 12/06/23 No. Date	E U	
	MATCHLINE SEE BELOW			For: CREF3 PUYALLUP OWNER LI 11611 SAN VICENTE BLVD 10TH FLOOR LOS ANGELES, CA 90049	
61.10 61.10 61.10 61.10 61.10 61.10 61.10 61.10				Scale: Scale:	2024
	65			ed DL ed DL ved JGH	Date 6/23/23
	60			Engineers, Inc. Due South	4:53 PM RCOX
	55		APPROVED	Barghausen Consulting Enginee 18215 72nd Avenue South Kent, WA 98032 425 251 6222	ECTIONS.dwg 2/29/2024 4:5
10+00 10-	• 50 •50		CITY OF PUYALLUP DEVELOPMENT ENGINEERING DATE NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE DEVELOPMENT ENGINEERING MANAGER.	Job Number 22085 Sheet	C20 of 34 P:\22000s\22085\engineering\22085-SECTIONS.dwg

61.1 **61.10**

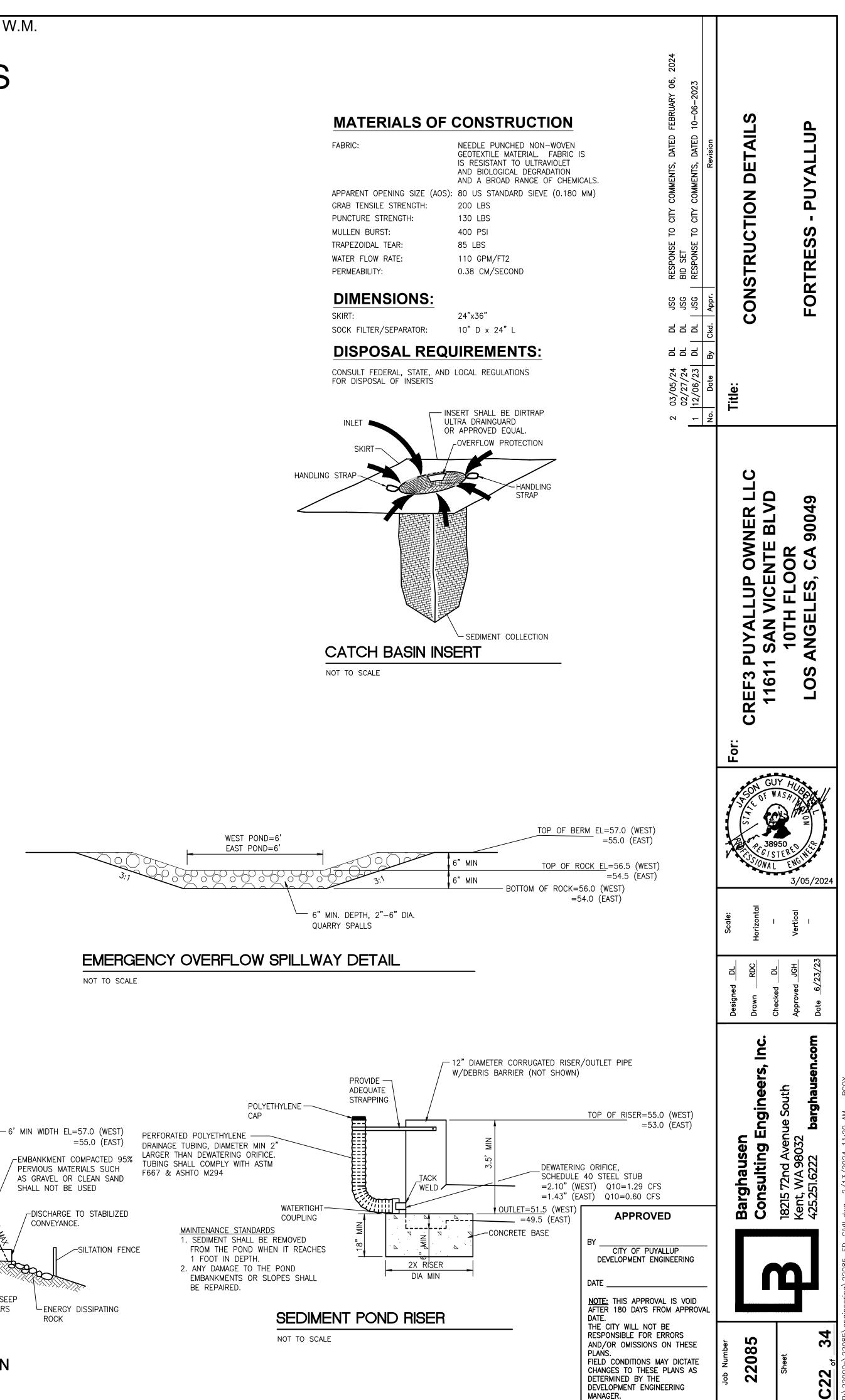






CONSTRUCTION DETAILS

SEDIMENT POND CROSS SECTION



SHALL NOT BE USED

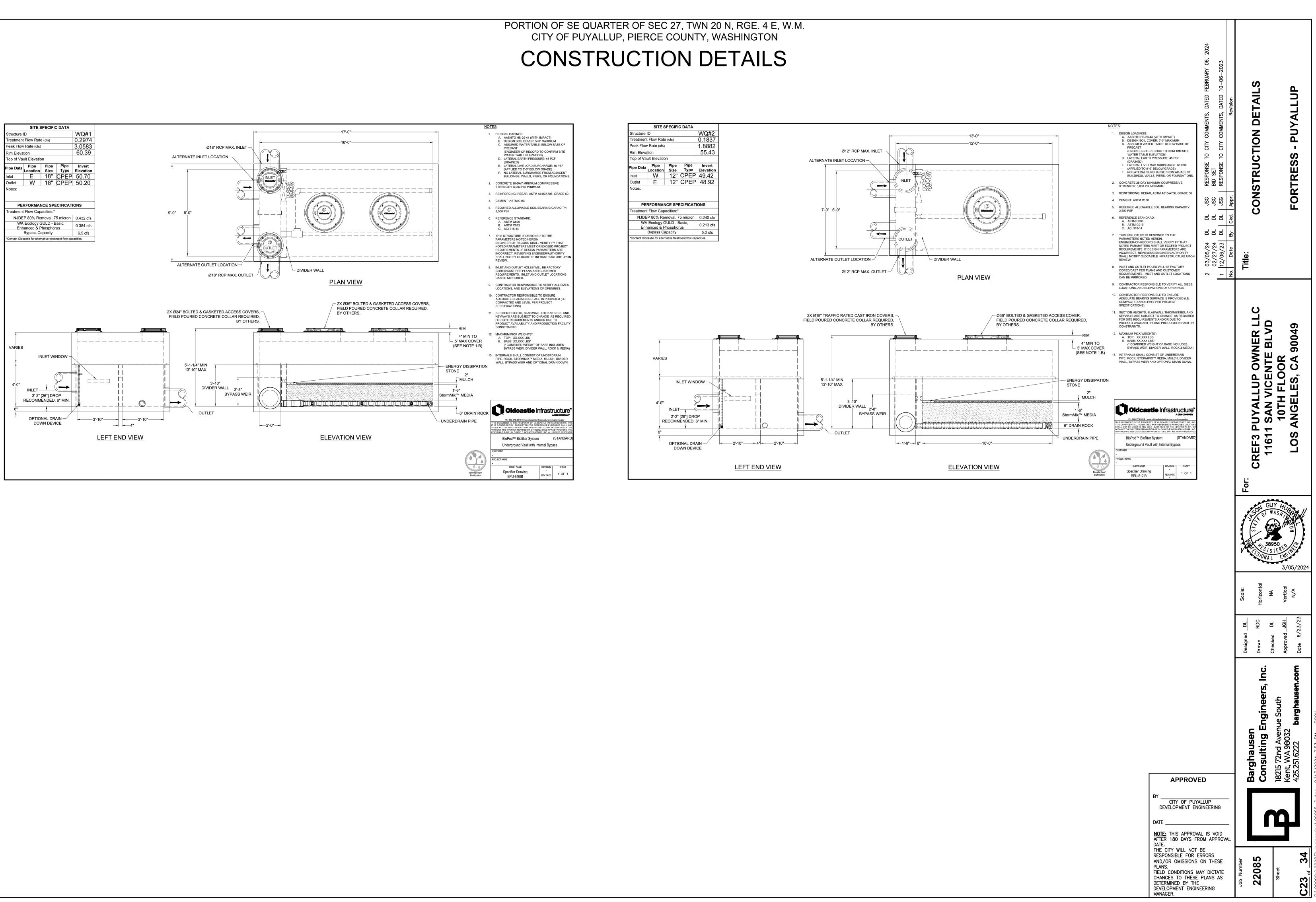
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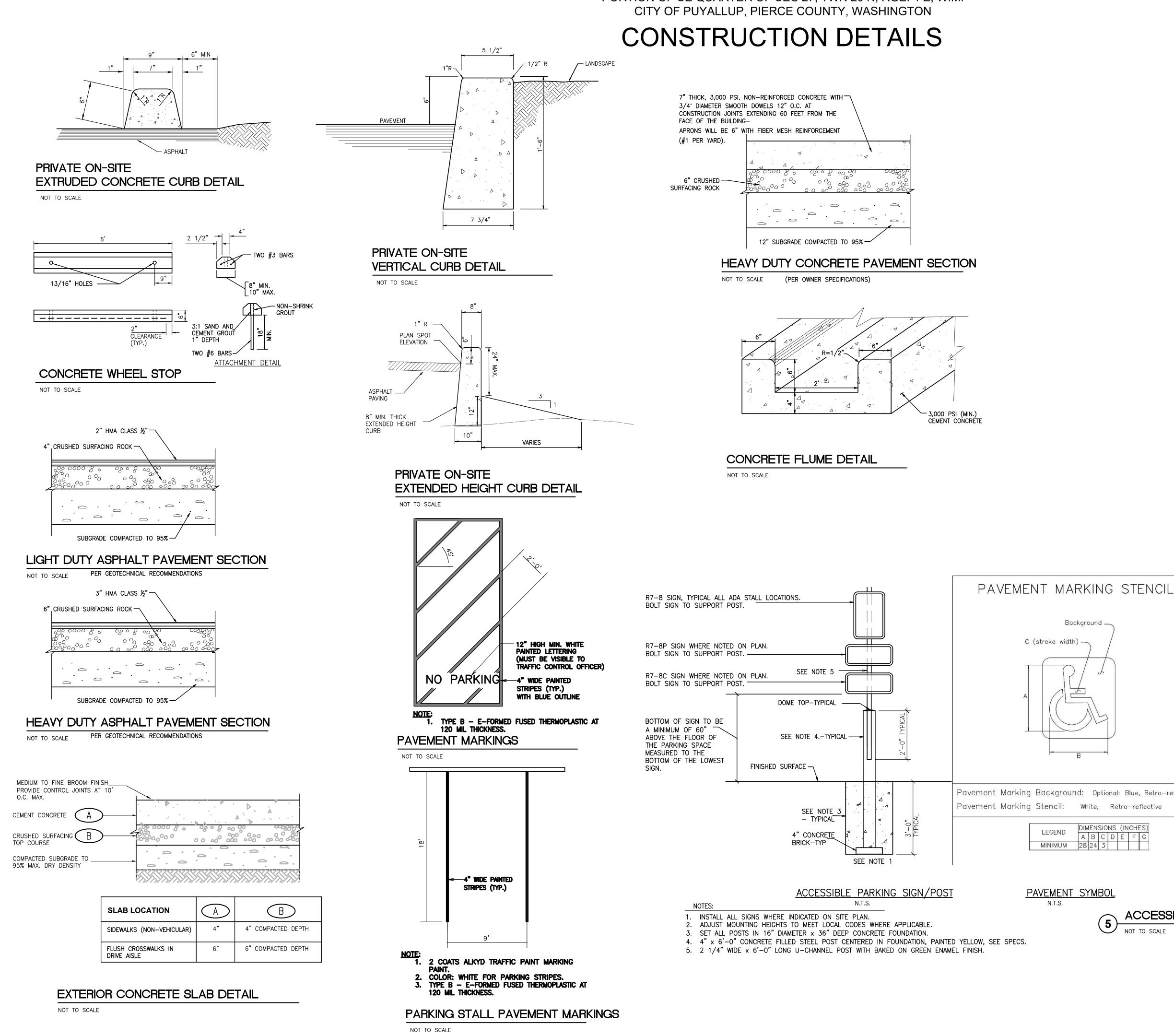
ROCK

A COLOR

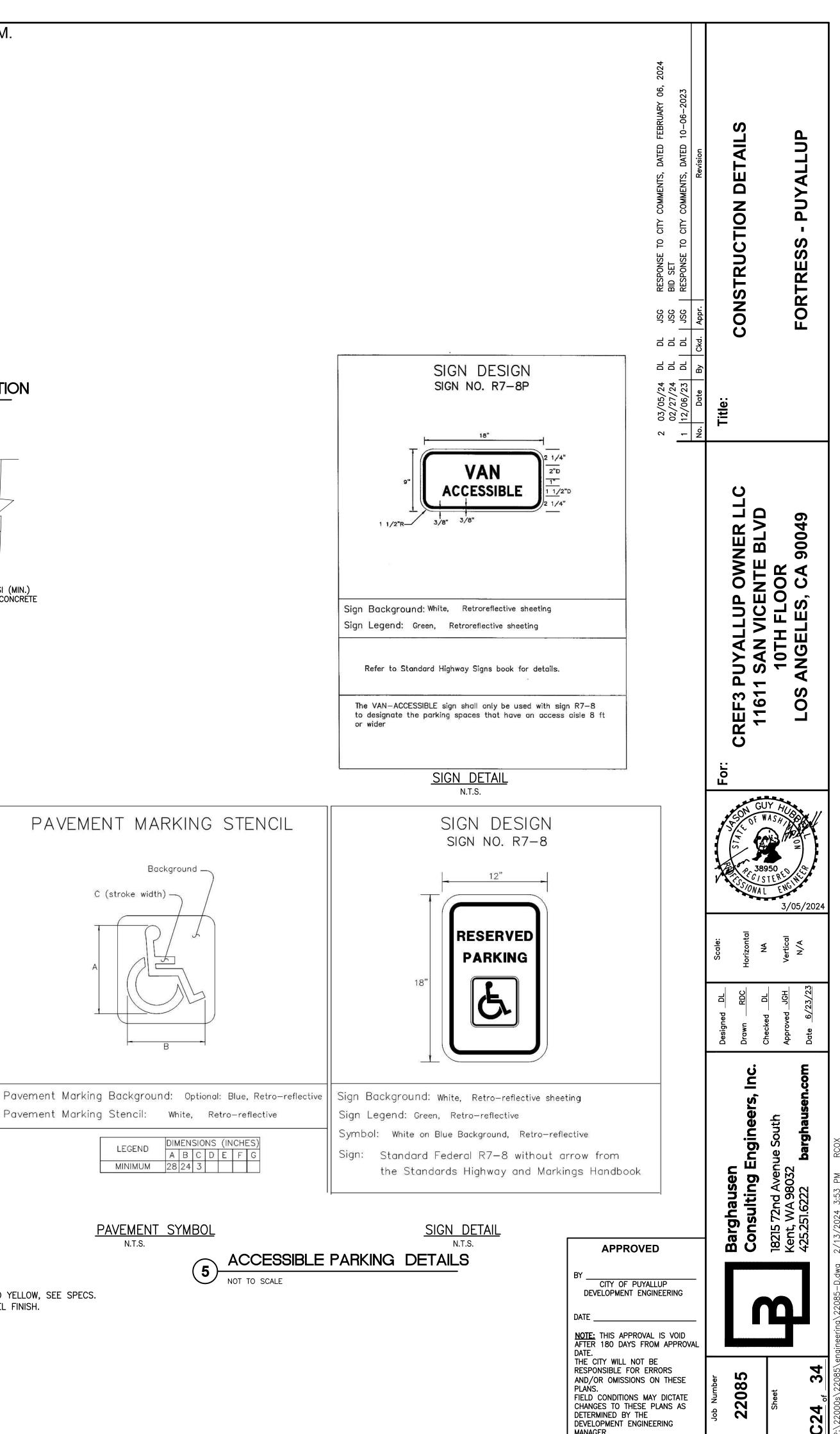
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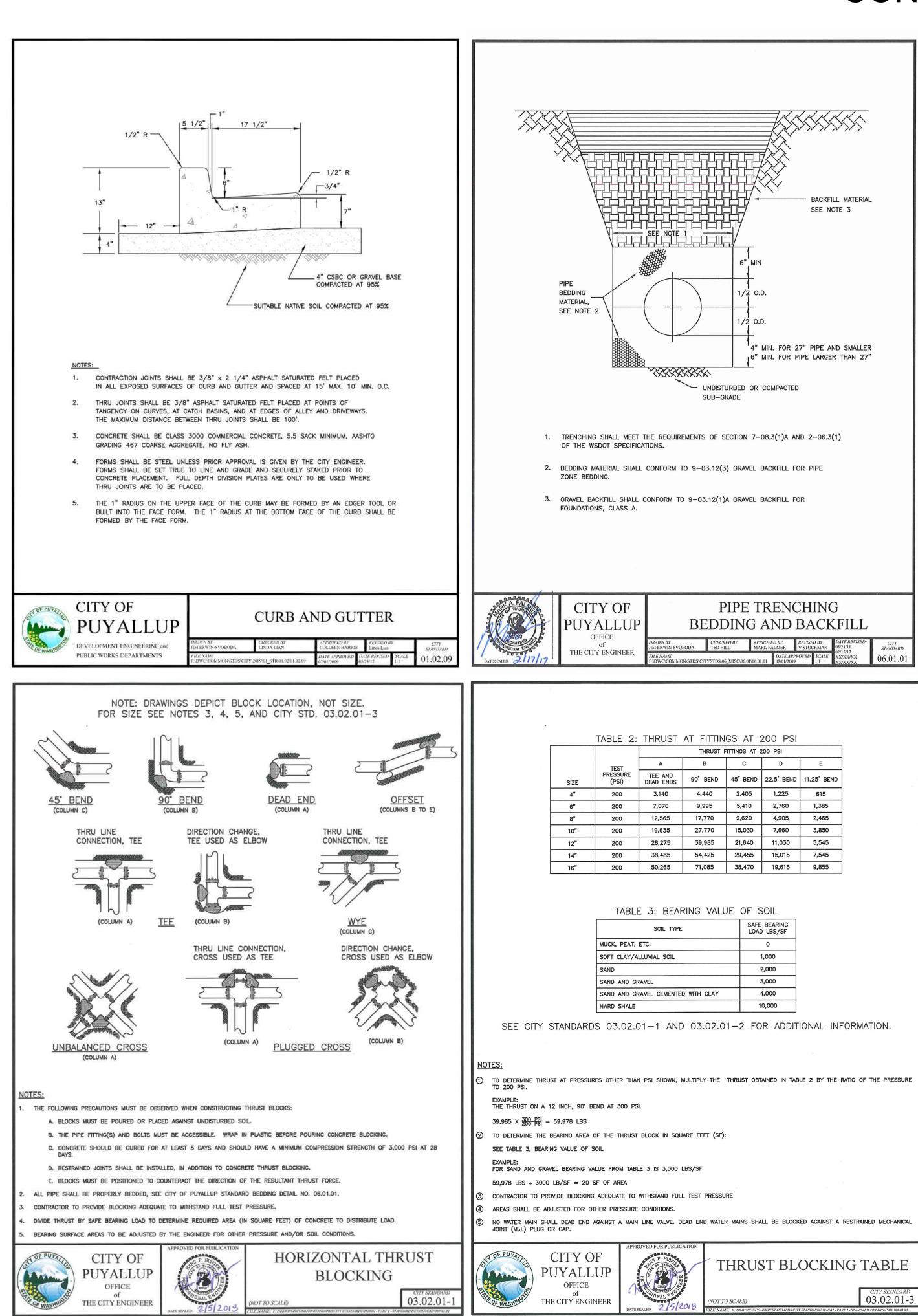
COLLARS

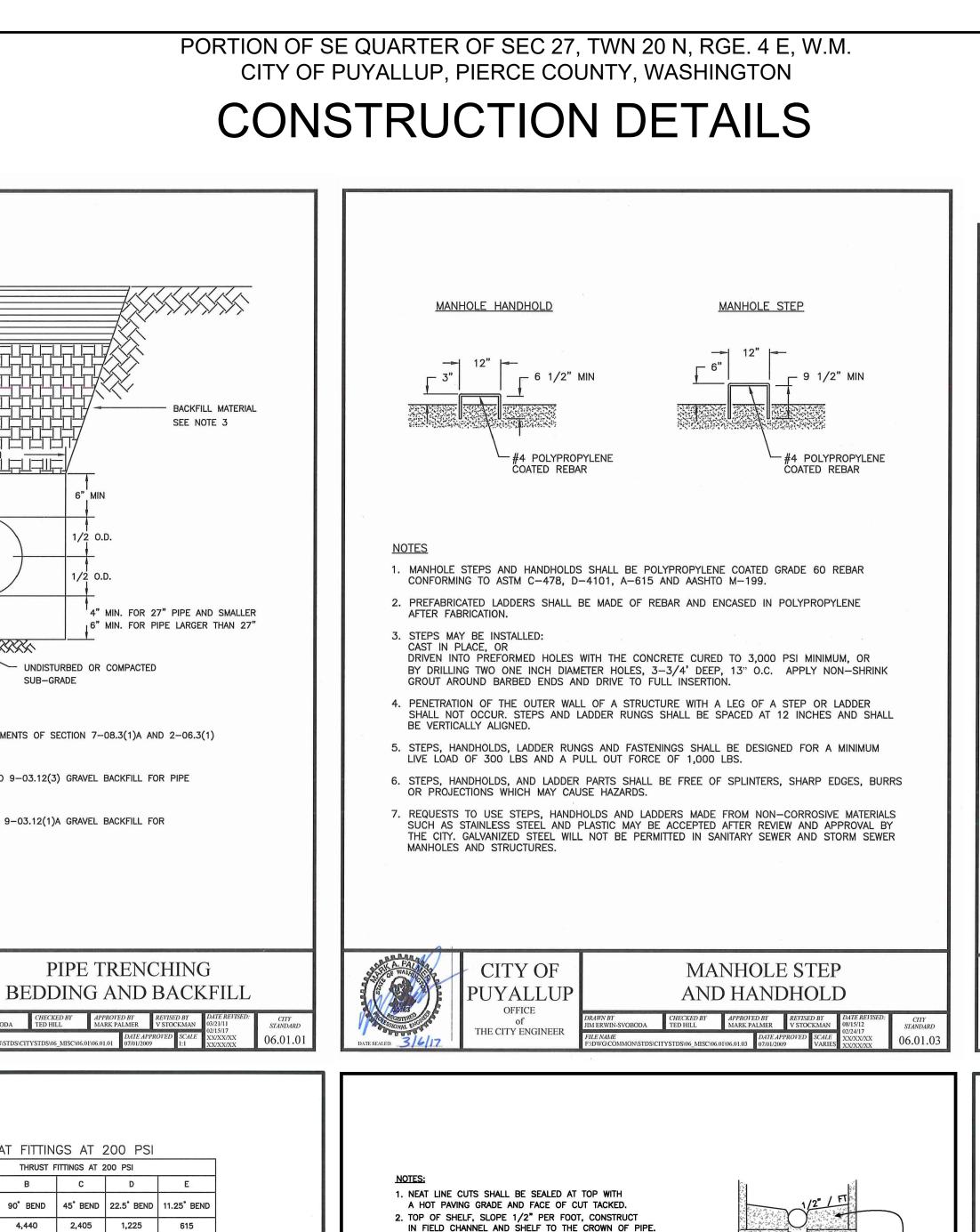


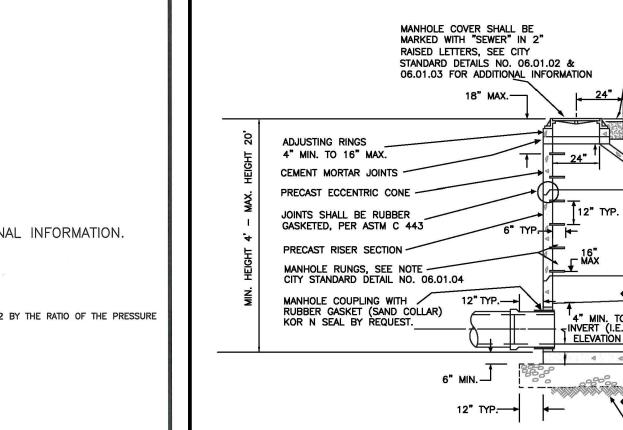


PORTION OF SE QUARTER OF SEC 27, TWN 20 N, RGE. 4 E, W.M.









03.02.01

5,410

9,620

15,030

21,640

29,455

2,760

4,905

7.660

11.030

15,015

SAFE BEARING LOAD LBS/SF

0

1,000

2,000

3,000

4,000

10,000

1,385

2,465

3,850

5,545

7,545

9,855

UNDISTURBED OR COMPACTED SUB-GRADE CITY OF SANITARY SEWER PUYALLUP MANHOLE DEVELOPMENT ENGINEERING and CITY STANDARD PUBLIC WORKS DEPARTMENTS 04.01.03 TTY/2009/04 SS/04 01/04 01 01

CONSTRUCT IN FIELD CHANNEL

& SHELF TO THE CROWN OF

- NON-SHRINK GROUT,

TYPICAL

- SEE NOTE 2

- PRECAST BASE WITH INTEGRAL RISER

NON-SHRINK GROUT

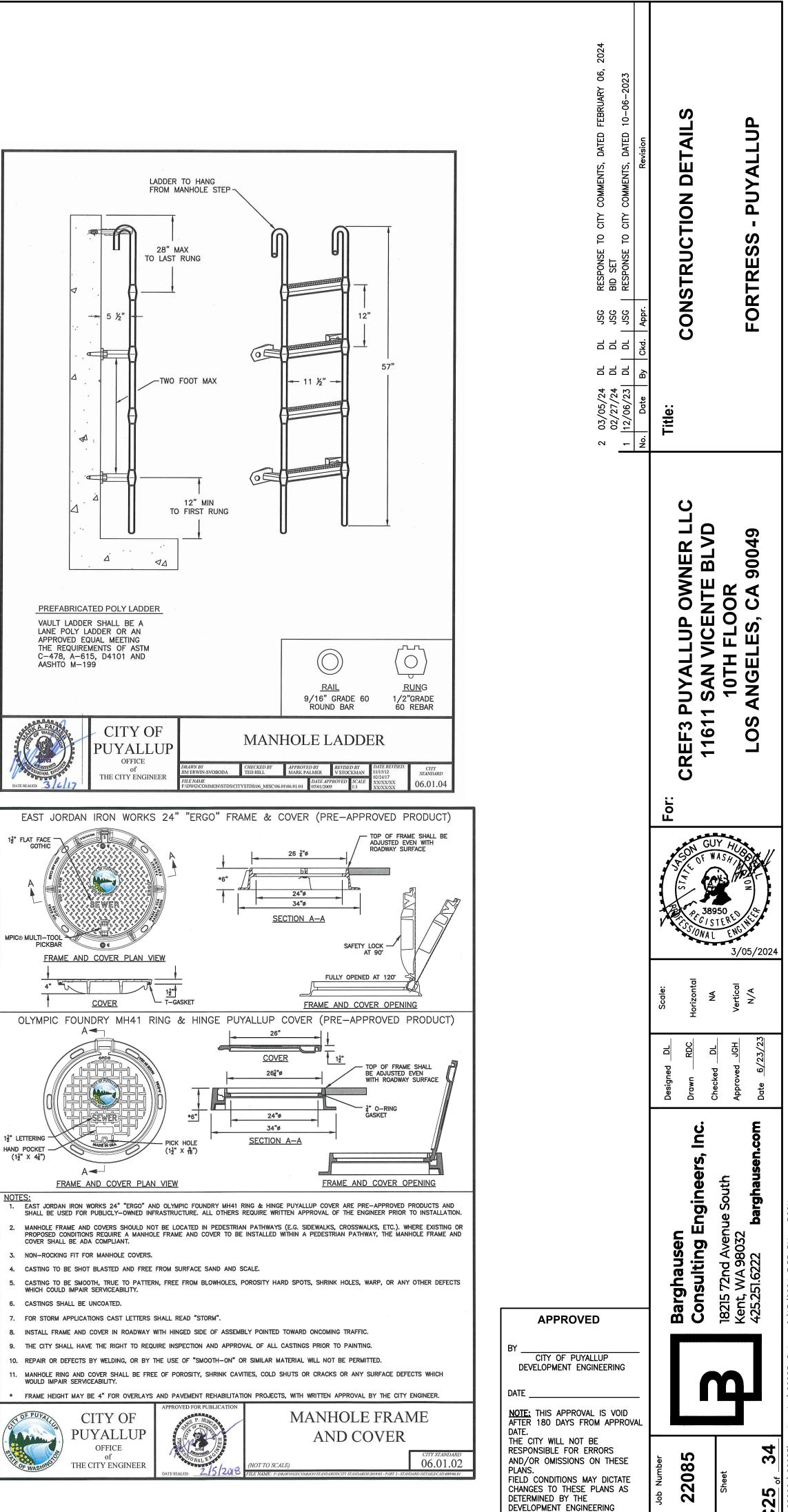
THE PIPE

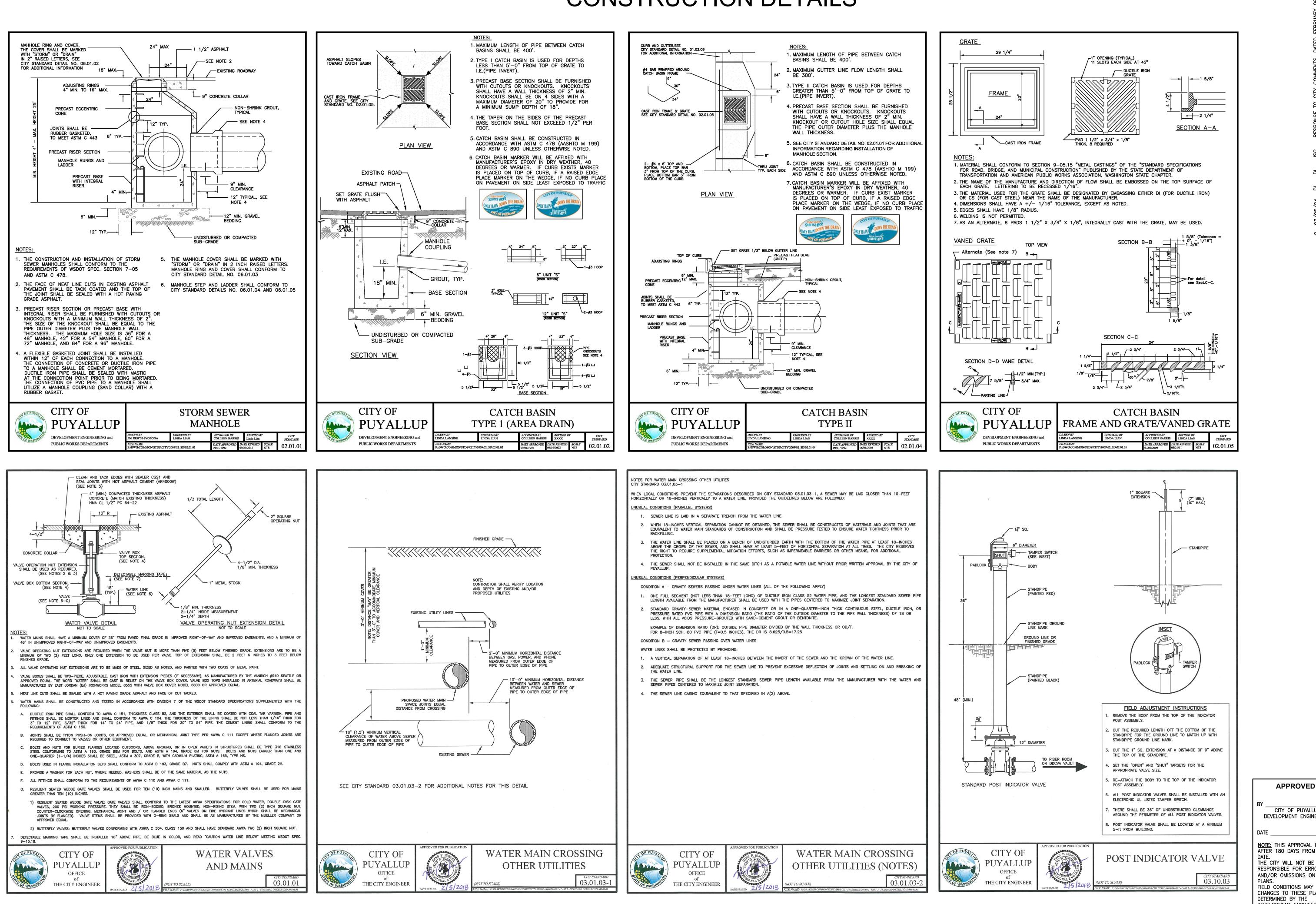
- EZ STREET OR EQUIVALENT

-EXISTING ROADWAY

- 9" CONCRETE COLLAR

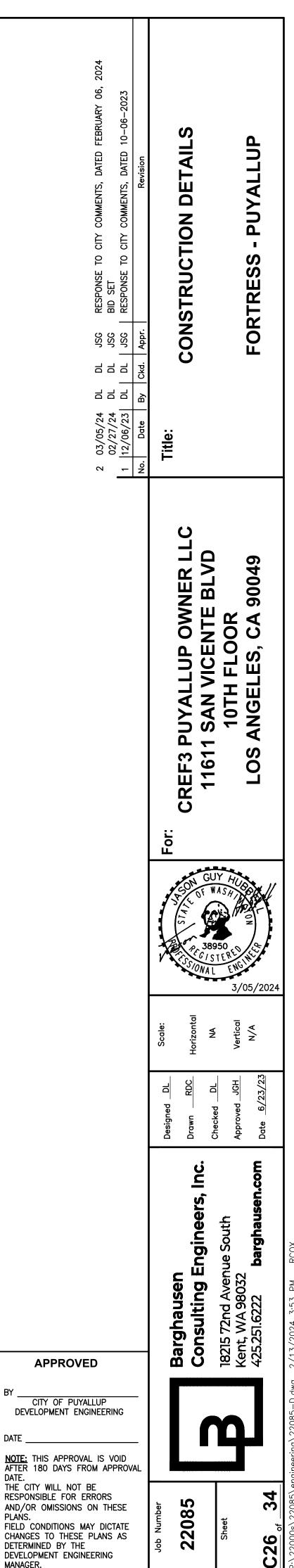
-SEE NOTE 1

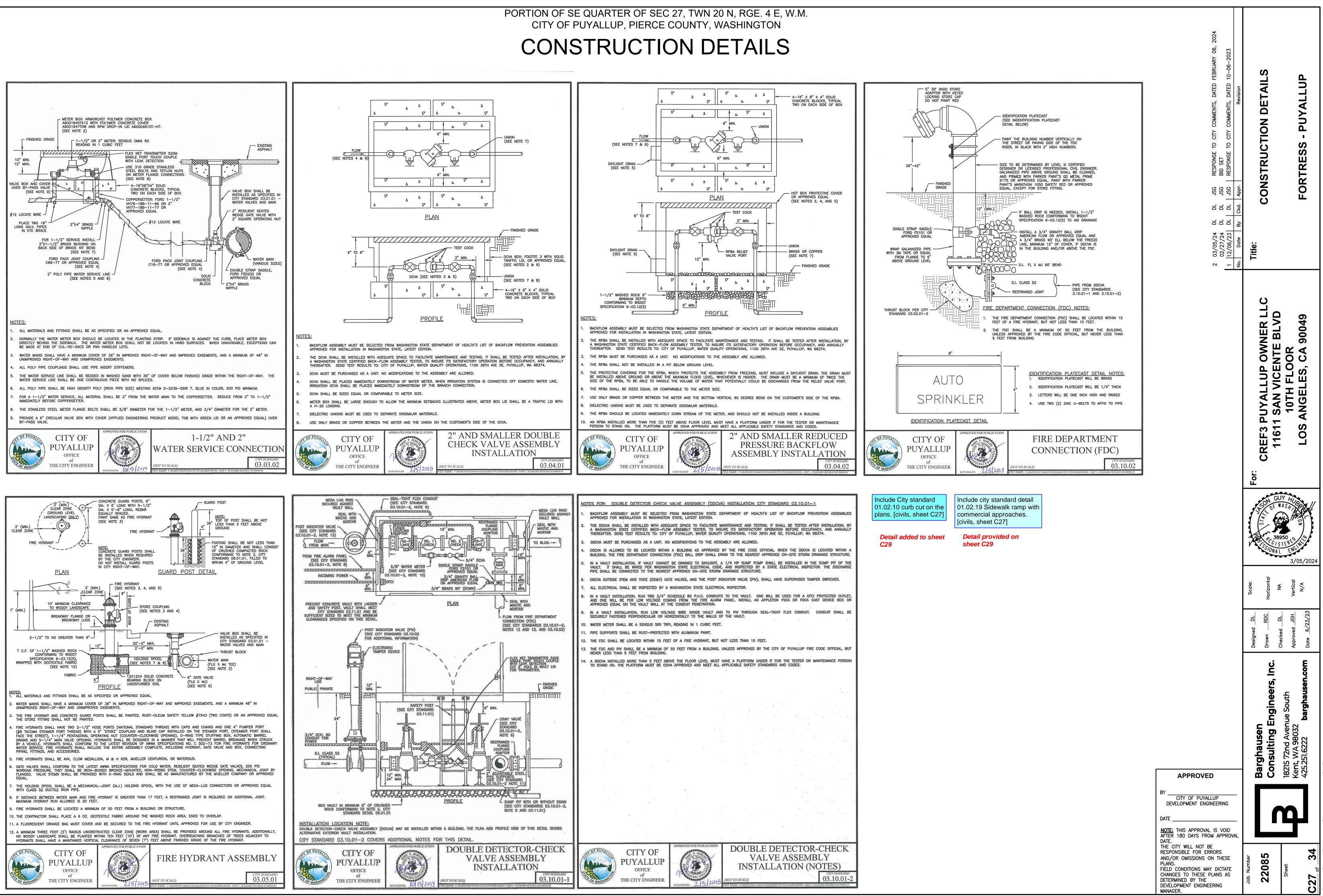


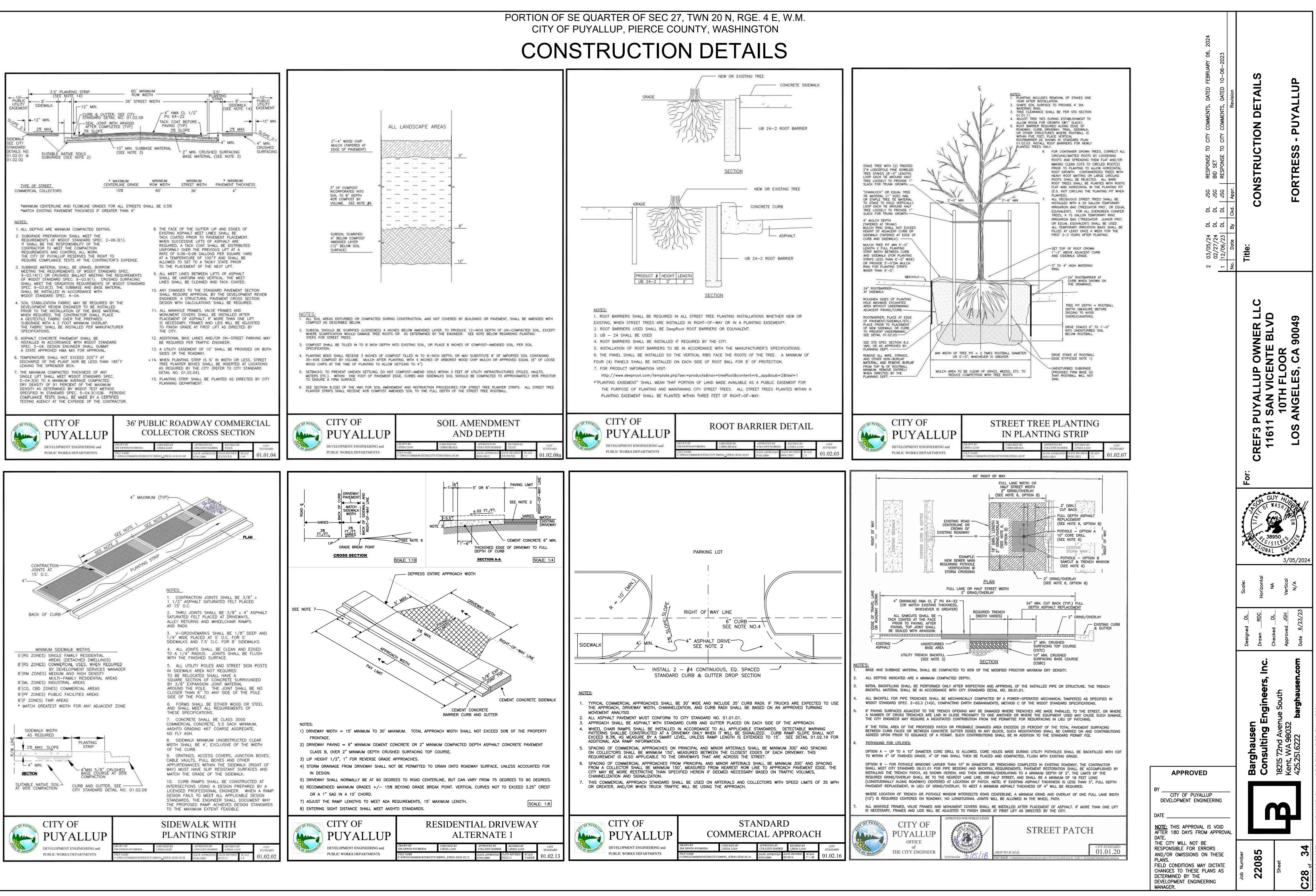


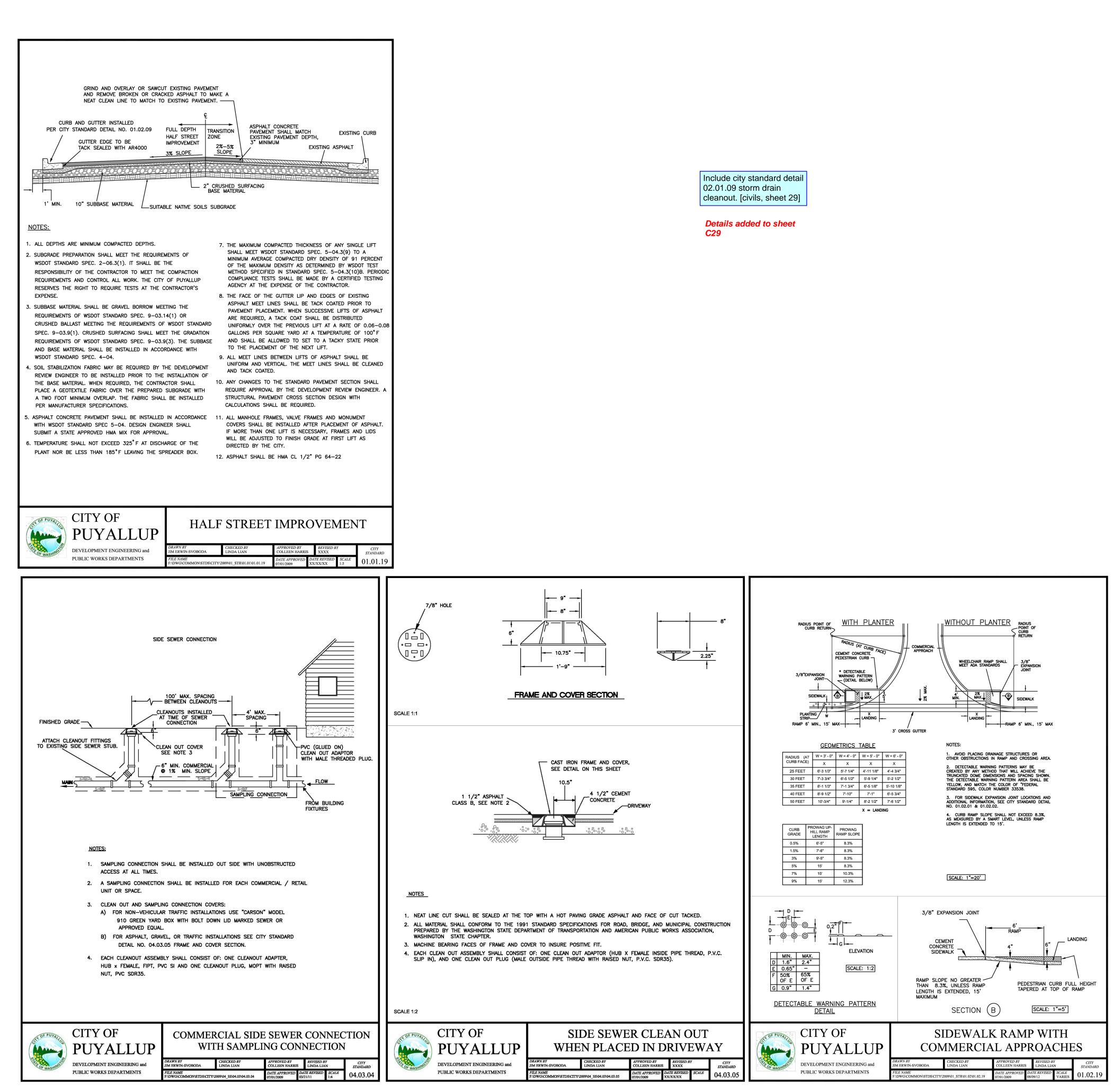
CONSTRUCTION DETAILS

PORTION OF SE QUARTER OF SEC 27, TWN 20 N, RGE. 4 E, W.M. CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON



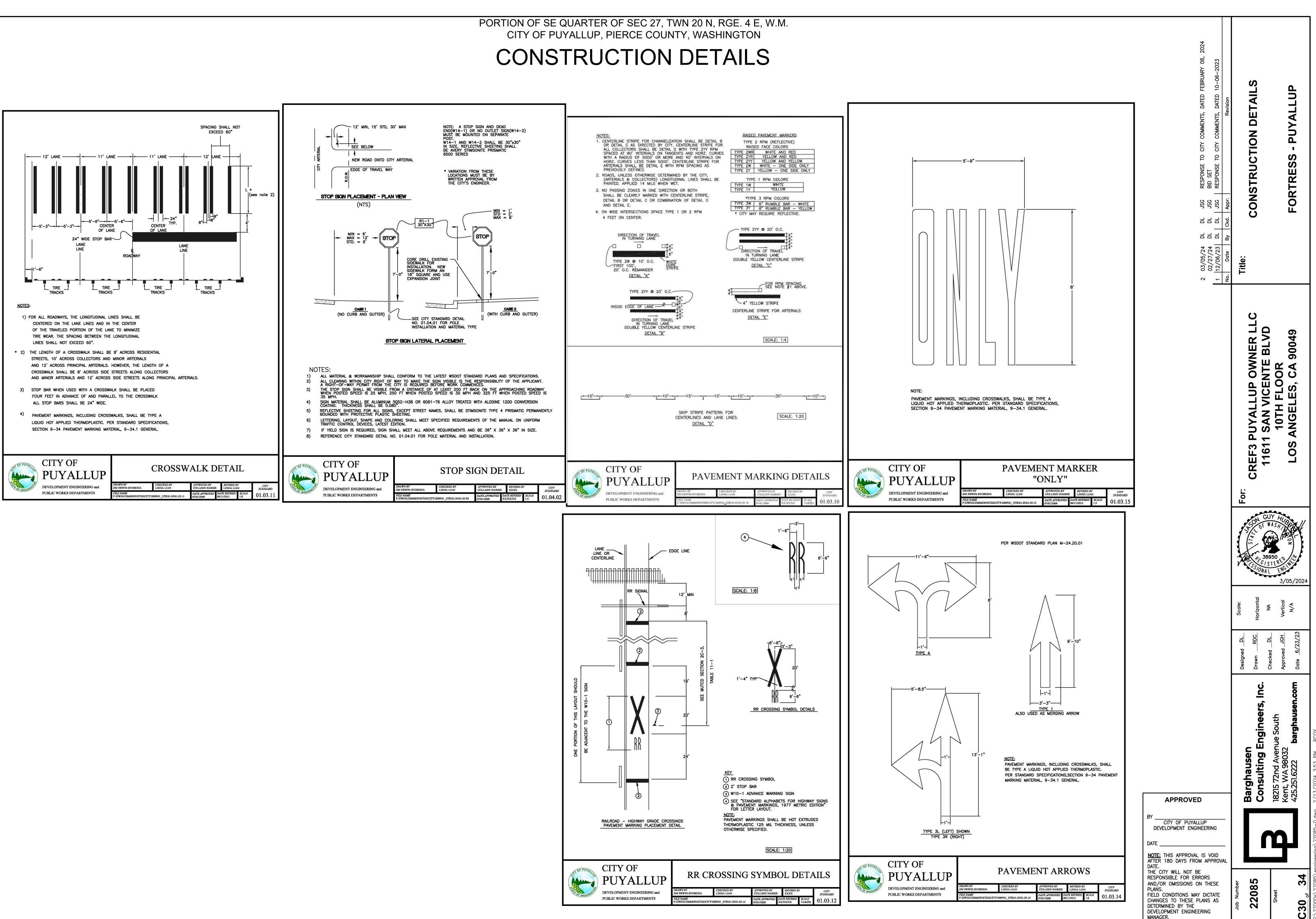


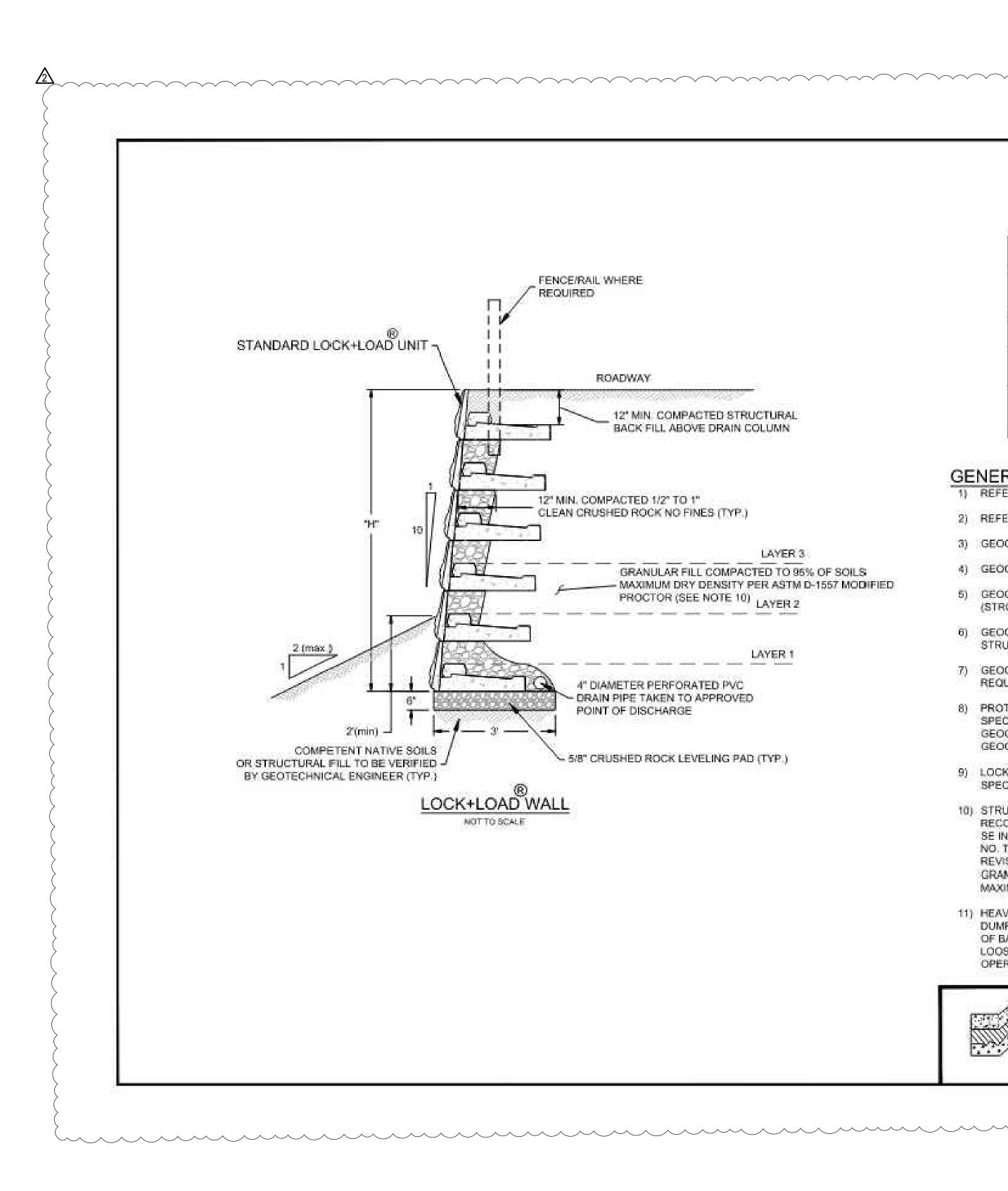




CONSTRUCTION DETAILS

2 03/05/24 DL DL JSG RESPONSE TO CITY COMMENTS, DATED FEBRUARY 06, 2024 02/27/24 DL DL JSG BID SET 1 12/06/23 DL DL JSG RESPONSE TO CITY COMMENTS, DATED 10-06-2023 No. Date By Ckd. Appr. Revision	Title: CONSTRUCTION DETAILS FORTRESS - PUYALLUP
	For: CREF3 PUYALLUP OWNER LLC 11611 SAN VICENTE BLVD 10TH FLOOR LOS ANGELES, CA 90049
	BERRY ASHING
	Scale: C Horizontal NA Vertical N/A
	Designed <u>DL</u> Drawn <u>RDC</u> Checked <u>DL</u> Approved <u>JGH</u> Date <u>6/23/23</u>
APPROVED	Barghausen Consulting Engineers, Inc. 18215 72nd Avenue South Kent, WA 98032 425.251.6222 barghausen.com
BY CITY OF PUYALLUP DEVELOPMENT ENGINEERING DATE	Ą
NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE	Job Number 22085 Sheet 29 of 34
CHANGES TO THESE PLANS AS DETERMINED BY THE DEVELOPMENT ENGINEERING MANAGER.	C29 S2





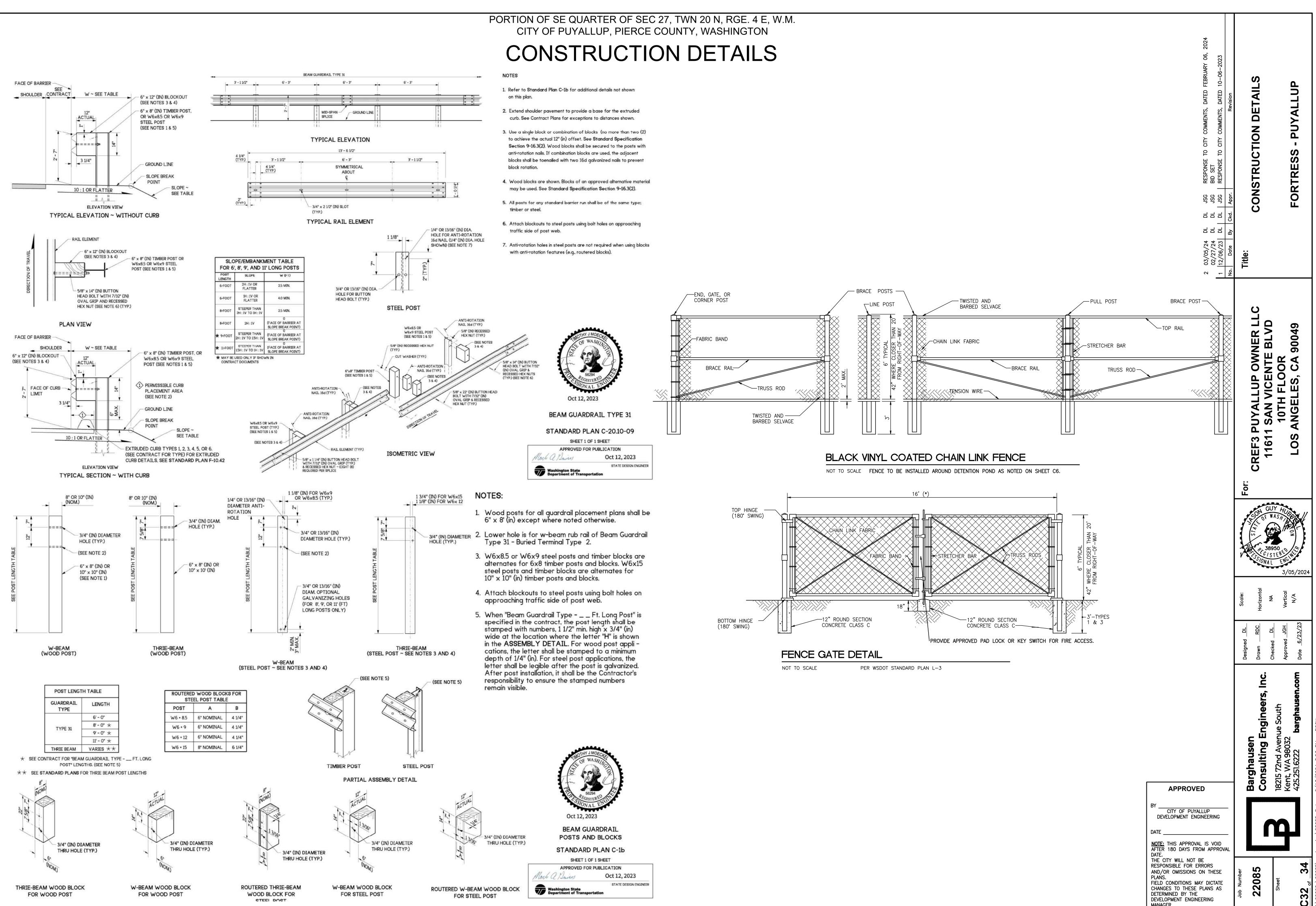
CONSTRUCTION DETAILS

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#### CITY OF PUYALLUP STORMWATER NOTES

- 1. ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE CITY OF PUYALLUP. PRIOR TO ANY WORK COMMENCING. THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE ENGINEERING PLANS, REPRESENTATIVES FROM ALL APPLICABLE UTILITY COMPANIES, THE PROJECT OWNER AND APPROPRIATE CITY STAFF. CONTACT ENGINEERING SERVICES TO SCHEDULE THE MEETING (253)841-5568. THE CONTRACTOR IS RESPONSIBLE TO HAVE THEIR OWN APPROVED SET OF PLANS AT THE MEETING.
- 2. AFTER COMPLETION OF ALL ITEMS SHOWN ON THESE PLANS AND BEFORE ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL OBTAIN A "PUNCH LIST" PREPARED BY THE CITY'S INSPECTOR DETAILING REMAINING ITEMS OF WORK TO BE COMPLETED. ALL ITEMS OF WORK SHOWN ON THESE PLANS SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF THE WATER SYSTEM AND PROVISION OF SANITARY SEWER SERVICE.
- 3. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "STANDARD SPECIFICATIONS"). WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER, LATEST EDITION, UNLESS SUPERSEDED OR AMENDED BY THE CITY OF PUYALLUP CITY STANDARDS FOR PUBLIC WORKS ENGINEERING AND CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "CITY STANDARDS")
- 4. A COPY OF THESE APPROVED PLANS AND APPLICABLE CITY DEVELOPER SPECIFICATIONS AND DETAILS SHALL BE ON SITE DURING CONSTRUCTION. 5. ANY REVISIONS MADE TO THESE PLANS MUST BE REVIEWED AND APPROVED BY THE DEVELOPER'S
- ENGINEER AND THE ENGINEERING SERVICES STAFF PRIOR TO ANY IMPLEMENTATION IN THE FIELD. THE CITY SHALL NOT BE RESPONSIBLE FOR ANY ERRORS AND/OR OMISSIONS ON THESE PLANS. 6. THE CONTRACTOR SHALL HAVE ALL UTILITIES VERIFIED ON THE GROUND PRIOR TO ANY
- CONSTRUCTION. CALL AT LEAST TWO WORKING DAYS IN ADVANCE. THE OWNER AND HIS/HER ENGINEER SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS.
- 7. ANY STRUCTURE AND/OR OBSTRUCTION WHICH REQUIRE REMOVAL OR RELOCATION RELATING TO THIS PROJECT. SHALL BE DONE SO AT THE DEVELOPER'S EXPENSE. 8. DURING CONSTRUCTION, ALL EXISTING AND NEWLY INSTALLED DRAINAGE STRUCTURES SHALL BE
- PROTECTED FROM SEDIMENTS. 9. ALL STORM MANHOLES SHALL CONFORM TO CITY STANDARD DETAIL NO. 02.01.01. FLOW CONTROL MANHOLE/OIL WATER SEPARATOR SHALL CONFORM TO CITY STANDARD DETAIL NO. 02.01.06 AND 02.01.07. MANHOLE RING AND COVER SHALL CONFORM TO CITY STANDARD DETAIL 06.01.02.
- 10.CATCH BASINS TYPE I SHALL CONFORM TO CITY STANDARD DETAIL NO.02.01.02 AND 02.01.03 AND SHALL BE USED ONLY FOR DEPTHS LESS THAN 5 FEET FROM TOP OF THE GRATE TO THE INVERT OF THE STORM PIPE. 11.CATCH BASINS TYPE II SHALL CONFORM TO CITY STANDARD DETAIL NO.02.01.04 AND SHALL BE
- USED FOR DEPTHS GREATER THAN 5 FEET FROM TOP OF THE GRATE TO THE INVERT OF THE STORM PIPE. CITY OF PUYALLUP - CITY STANDARDS STORM REVISED 07/2023 200-21 12.CAST IRON OR DUCTILE IRON FRAME AND GRATE SHALL CONFORM TO CITY STANDARD DETAIL
- NO.02.01.05. GRATE SHALL BE MARKED WITH "DRAINS TO STREAM". SOLID CATCH BASIN LIDS (SQUARE UNLESS NOTED AS SHALL CONFORM TO WSDOT STANDARD PLAN B-30.20-04 (OLYMPIC FOUNDRY NO. SM60 OR EQUAL). VANED GRATES SHALL CONFORM TO WSDOT STANDARD PLAN B-30.30-03 (OLYMPIC FOUNDRY NO. SM60V OR EQUAL).
- 14.STORMWATER PIPE SHALL BE ONLY PVC, CONCRETE, DUCTILE IRON, OR DUAL WALLED POLYPROPYLENE PIPE.
- A. THE USE OF ANY OTHER TYPE SHALL BE REVIEWED AND APPROVED BY THE ENGINEERING SERVICES STAFF PRIOR TO INSTALLATION. B. PVC PIPE SHALL BE PER ASTM D3034, SDR 35 FOR PIPE SIZE 15-INCH AND SMALLER
- AND F679 FOR PIPE SIZES 18 TO 27 INCH. MINIMUM COVER ON PVC PIPE SHALL BE 3.0 C. CONCRETE PIPE SHALL CONFORM TO THE WSDOT STANDARD SPECIFICATIONS FOR CONCRETE
- UNDERDRAIN PIPE. MINIMUM COVER ON CONCRETE PIPE SHALL NOT LESS THAN 3.0 FEET. D. DUCTILE IRON PIPE SHALL BE CLASS 50, CONFORMING TO AWWA C151. MINIMUM COVER ON DUCTILE IRON PIPE SHALL BE 1.0 FOOT. E. POLYPROPYLENE PIPE (PP) SHALL BE DUAL WALLED, HAVE A SMOOTH INTERIOR AND
- EXTERIOR CORRUGATIONS AND MEET WSDOT 9-05.24(1). 12-INCH THROUGH 30-INCH PIPE SHALL MEET OR EXCEED ASTM F2736 AND AASHTO M330, TYPE S, OR TYPE D. 36-INCH THROUGH 60-INCH PIPE SHALL MEET OR EXCEED ASTM F2881 AND AASHTO M330, TYPE S, OR TYPE D. TESTING SHALL BE PER ASTM F1417. MINIMUM COVER OVER POLYPROPYLENE PIPE SHALL BE 3-FEET.
- 15.TRENCHING, BEDDING, AND BACKFILL FOR PIPE SHALL CONFORM TO CITY STANDARD DETAIL NO. 06.01.01. 16.STORM PIPE SHALL BE A MINIMUM OF 10 FEET AWAY FROM BUILDING FOUNDATIONS AND/OR
- ROOF LINES. 17.ALL STORM DRAIN MAINS SHALL BE TESTED AND INSPECTED FOR ACCEPTANCE AS OUTLINED IN SECTION 406 OF THE CITY OF PUYALLUP SANITARY SEWER SYSTEM STANDARDS.
- 18.ALL TEMPORARY SEDIMENTATION AND EROSION CONTROL MEASURES, AND PROTECTIVE MEASURES FOR CRITICAL AREAS AND SIGNIFICANT TREES SHALL BE INSTALLED PRIOR TO INITIATING ANY CONSTRUCTION ACTIVITIES

#### CITY OF PUYALLUP SANITARY SEWER NOTES:

- ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE CITY OF PUYALLUP. PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE ENGINEERING PLANS, REPRESENTATIVES FROM ALL APPLICABLE UTILITY COMPANIES, THE PROJECT OWNER AND APPROPRIATE CITY STAFF. CONTACT ENGINEERING SERVICES TO SCHEDULE THE MEETING 841-5568. THE CONTRACTOR IS
- RESPONSIBLE TO HAVE THEIR OWN APPROVED SET OF PLANS AT THE MEETING. 2. AFTER COMPLETION OF ALL ITEMS SHOWN ON THESE PLANS AND BEFORE ACCEPTANCE OF THE PROJECT. THE CONTRACTOR SHALL OBTAIN A "PUNCH LIST" PREPARED BY THE CITY'S INSPECTOR DETAILING REMAINING ITEMS OF WORK TO BE COMPLETED. ALL ITEMS OF WORK SHOWN ON THESE PLANS SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF THE SEWER SYSTEM
- AND PROVISION OF SANITARY SEWER SERVICE. 3. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "STANDARD SPECIFICATIONS"), WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER, LATEST EDITION, UNLESS SUPERSEDED OR AMENDED BY THE CITY OF PUYALLUP CITY STANDARDS FOR PUBLIC WORKS ENGINEERING AND CONSTRUCTION
- (HEREINAFTER REFERRED TO AS THE "CITY STANDARDS"). 4. A COPY OF THESE APPROVED PLANS AND APPLICABLE CITY DEVELOPER SPECIFICATIONS AND DETAILS SHALL BE ON SITE DURING CONSTRUCTION. 5. ANY REVISIONS MADE TO THESE PLANS MUST BE REVIEWED AND APPROVED BY THE DEVELOPER'S ENGINEER AND THE ENGINEERING SERVICES STAFF PRIOR TO ANY
- IMPLEMENTATION IN THE FIELD. THE CITY SHALL NOT BE RESPONSIBLE FOR ANY ERRORS AND/OR OMISSIONS ON THESE PLANS. 6. THE CONTRACTOR SHALL HAVE ALL UTILITIES VERIFIED ON THE GROUND PRIOR TO
- ANY CONSTRUCTION. CALL AT LEAST TWO WORKING DAYS IN ADVANCE. THE OWNER AND HIS/HER ENGINEER SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS 7. ANY STRUCTURE AND/OR OBSTRUCTION WHICH REQUIRE REMOVAL OR RELOCATION
- RELATING TO THIS PROJECT SHALL BE DONE SO AT THE DEVELOPER'S EXPENSE. 8. MINIMUM GRADE ON ALL 4 INCH RESIDENTIAL SIDE SEWERS SHALL BE 2 PERCENT AND 6 INCH COMMERCIAL SIDE SEWERS SHALL BE 1 PERCENT; MAXIMUM SHALL BE
- 8 PERCENT. ALL SIDE SEWERS SHALL BE 6 INCHES WITHIN CITY RIGHT-OF-WAY. 9. SIDE SEWERS SHALL BE INSTALLED IN ACCORDANCE WITH CITY STANDARD NOS. 04.03.01, 04.03.02, 04.03.03 AND 04.03.04. SIDE SEWER INSTALLATION WORK SHALL BE DONE IN ACCORDANCE WITH THE WASHINGTON INDUSTRIAL SAFETY AND HEALTH ACT (WISHA)
- 10. ALL SEWER PIPE SHALL BE PVC, POLYPROPYLENE, OR DUCTILE IRON. PVC SEWER PIPE SHALL CONFORM TO ASTM D-3034, SDR35 FOR PIPE SIZES 15-INCH AND SMALLER AND ASTM F679 FOR PIPE SIZES18– TO 27–INCH, DUCTILE IRON PIPE SHALL BE CLASS 51 OR GREATER, LINED WITH PROTECTO 401TM CITY OF PUYALLUP - CITY STANDARDS SANITARY SEWER REVISED 03/2020 400-8 EPOXY LINING OR EQUIVALENT, UNLESS OTHERWISE NOTED. 12-INCH THROUGH 30-INCH POLYPROPYLENE PIPE (PP) SHALL BE DUAL WALLED, HAVE A SMOOTH INTERIOR AND EXTERIOR CORRUGATIONS AND MEET WSDOT 9-05.24(2). IT SHALL MEET OR EXCEED ASTM F2764. 36-INCH THROUGH 60-INCH PP PIPE SHALL BE TRIPLE WALLED AND MEET WSDOT 9-05.24(2). IT SHALL MEET OR EXCEED ASTM F2764. PP SHALL HAVE A MINIMUM PIPE STIFFNESS OF 46 PII WHEN TESTED IN ACCORDANCE WITH ASTM D2412. TESTING SHALL BE PER ASTM F1417. TRENCHING, BEDDING, AND BACKFILL SHALL BE IN ACCORDANCE WITH CITY 3.0 FEET. MINIMUM COVER ON DUCTILE IRON PIPE SHALL BE 1.0 FOOT.
- 11. SANITARY SEWER MANHOLE FRAMES AND COVERS SHALL CONFORM TO CITY STANDARD NO. 06.01.02. 12. SANITARY SEWER MANHOLES SHALL CONFORM TO CITY STANDARD NOS. 04.01.01,
- 04.01.02, 04.01.03 AND 04.01.04. ALL MANHOLES SHALL BE CHANNELED FOR FUTURE LINES AS SPECIFIED ON THESE PLANS. MANHOLE STEPS AND LADDER SHALL CONFORM TO STANDARD NO. 06.01.03.
- 13. SANITARY SEWER PIPE AND SIDE SEWERS SHALL BE 10 FEET AWAY FROM BUILDING FOUNDATIONS AND/OR ROOF LINES WITH THE EXCEPTION OF SIDE SEWERS THAT PROVIDE SERVICE TO A SINGLE-FAMILY RESIDENCE. AT THE DISCRETION OF THE REVIEW ENGINEER. A LICENSED PROFESSIONAL ENGINEER WILL BE REQUIRED TO STAMP THE DESIGN TO ACCOUNT FOR DEPTH OR PROXIMITY TO FOUNDATION, STEEP SLOPES, OR OTHER FACTORS.
- 14. NO SIDE SEWERS SHALL BE CONNECTED TO ANY HOUSE OR BUILDING UNTIL ALI MANHOLES ARE ADJUSTED TO THE FINISHED GRADE OF THE COMPLETED ASPHALT ROADWAY AND THE ASPHALT PATCH AND SEAL AROUND THE RING ARE ACCEPTED.
- 15. FOR COMMERCIAL DEVELOPMENTS IN WHICH SOURCES OF GREASE AND/OR OILS MAY BE INTRODUCED TO THE CITY SANITARY SEWER SYSTEM, A CITY APPROVED GREASE INTERCEPTOR SHALL BE INSTALLED DOWNSTREAM FROM THE SOURCE. 16. ONCE SEWER AND ALL OTHER UTILITY CONSTRUCTION IS COMPLETED, ALL SANITARY
- SEWER MAINS AND SIDE SEWERS SHALL BE TESTED PER SECTION 406 OF THE CITY STANDARDS

#### **ROADWAY NOTES:**

- 1. ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE CITY OF PUYALLUP. PRIOR TO ANY WORK COMMENCING. THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE ENGINEERING PLANS, REPRESENTATIVES FROM ALL APPLICABLE UTILITY COMPANIES, THE PROJECT OWNER AND APPROPRIATE CITY STAFF. CONTACT ENGINEERING SERVICES TO SCHEDULE THE MEETING (253) 841-5568. THE CONTRACTOR IS RESPONSIBLE TO HAVE THEIR OWN APPROVED SET OF PLANS AT THE MEETING.
- 2. AFTER COMPLETION OF ALL ITEMS SHOWN ON THESE PLANS AND BEFORE ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL OBTAIN A "PUNCH LIST" PREPARED BY THE CITY'S INSPECTOR DETAILING REMAINING ITEMS OF WORK TO BE COMPLETED. ALL ITEMS OF WORK SHOWN ON THESE PLANS SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF THE WATER SYSTEM AND PROVISION OF SANITARY SEWER SFRVICE.
- 3. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "STANDARD SPECIFICATIONS"). WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER, LATEST EDITION, UNLESS SUPERSEDED OR AMENDED BY THE CITY OF PUYALLUP CITY STANDARDS FOR PUBLIC WORKS ENGINEERING AND CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "CITY STANDARDS").
- 4. A COPY OF THESE APPROVED PLANS AND APPLICABLE CITY DEVELOPER SPECIFICATIONS AND DETAILS SHALL BE ON SITE DURING CONSTRUCTION.
- 5. ANY REVISIONS MADE TO THESE PLANS MUST BE REVIEWED AND APPROVED BY THE DEVELOPER'S ENGINEER AND THE ENGINEERING SERVICES STAFF PRIOR TO ANY IMPLEMENTATION IN THE FIELD. THE CITY SHALL NOT BE RESPONSIBLE FOR ANY ERRORS AND/OR OMISSIONS ON THESE PLANS.
- 6. THE CONTRACTOR SHALL HAVE ALL UTILITIES VERIFIED ON THE GROUND PRIOR TO ANY CONSTRUCTION. CALL (811) AT LEAST TWO WORKING DAYS IN ADVANCE. THE OWNER AND HIS/HER ENGINEER SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS.
- 7. ANY STRUCTURE AND/OR OBSTRUCTION WHICH REQUIRES REMOVAL OR RELOCATION RELATING TO THIS PROJECT. SHALL BE DONE SO AT THE DEVELOPER'S EXPENSE.
- 8. MONUMENTS SHALL BE INSTALLED AT ALL STREET INTERSECTIONS, AT ANGLE POINTS, AND POINTS OF CURVATURE IN EACH STREET. ALL BOUNDARY MONUMENTS MUST BE INSTALLED ACCORDING TO THE WASHINGTON STATE SUBDIVISION LAWS
- 9. CURB AND GUTTER INSTALLATION SHALL CONFORM TO CITY STANDARD DETAIL 01.02.09.
- 10. SIDEWALKS AND DRIVEWAYS SHALL BE INSTALLED AS LOTS ARE BUILT ON, SIDEWALKS AND DRIVEWAYS SHALL CONFORM TO CITY STANDARD DETAIL 01.02.01, 01.02.02 AND 01.02.12. IF ASPHALT IS DAMAGED DURING REPLACEMENT OF CURB AND GUTTER, THE REPAIR SHALL CONFORM TO CITY STANDARD DETAIL 01.02.10.
- 11. THE SURROUNDING GROUND (5 FEET BEYOND THE BASE) FOR ALL POWER TRANSFORMERS, TELEPHONE/TV PEDESTALS, AND STREET LIGHT MAIN DISCONNECTS SHALL BE GRADED TO A POSITIVE 2 PERCENT SLOPE FROM TOP OF CURB
- 12. SIGNAGE AND TRAFFIC CONTROL DEVICES ARE SAFETY ITEMS AND SHALL BE INSTALLED PRIOR TO ISSUANCE OF ANY CERTIFICATE OF OCCUPANCY OR PLAT APPROVAL. HOWEVER, IN LARGER DEVELOPMENTS, EXACT LOCATIONS OF STOP AND YIELD SIGNS MAY NEED TO BE DETERMINED AFTER FULL BUILDOUT WHEN TRAFFIC PATTERNS HAVE BEEN ESTABLISHED. IN THIS CASE, CONTRACTOR SHALL PROVIDE INDICATED "CITY-PLACED" SIGNS, SIGNPOSTS, AND BRACKETS TO THE CITY SIGN SPECIALIST (253) 841-5471 FOR LATER INSTALLATION BY THE CITY. ALL SIGNAGE SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- 13. PRIOR TO ANY SIGN OR STRIPING INSTALLATION OR REMOVAL THE CONTRACTOR SHALL CONTACT THE CITY SIGN SPECIALIST (253) 841-5471 TO ARRANGE FOR AN ON-SITE MEETING TO DISCUSS PLACEMENT AND UNIFORMITY.
- 14. NEW OR REVISED STOP SIGNS OR YIELD SIGNS SHALL BE ADVANCE WARNED USING THE PROCEDURE OUTLINED IN THE MUTCD, ADVANCE WARNING SIGNS AND FLAGS SHALL BE MAINTAINED BY INSTALLER FOR 30 DAYS AND THEN REMOVED.

### PORTION OF SE QUARTER OF SEC 27, TWN 20 N, RGE. 4 E, W.M. CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON



### CITY OF PUYALLUP WATER SYSTEM NOTES:

- ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE CITY OF PUYALLUP. PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE ENGINEERING PLANS, REPRESENTATIVES FROM ALL APPLICABLE UTILITY COMPANIES, THE PROJECT OWNER AND APPROPRIATE CITY STAFF. CONTACT ENGINEERING SERVICES TO SCHEDULE THE MEETING 841-5568. THE CONTRACTOR IS RESPONSIBLE
- TO HAVE THEIR OWN APPROVED SET OF PLANS AT THE MEETING. 2. AFTER COMPLETION OF ALL ITEMS SHOWN ON THESE PLANS AND BEFORE ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL OBTAIN A "PUNCH LIST" PREPARED BY THE CITY'S INSPECTOR DETAILING REMAINING ITEMS OF WORK TO BE COMPLETED. ALL ITEMS OF WORK SHOWN ON THESE PLANS SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF THE WATER SYSTEM AND PROVISION OF SANITARY SEWER SERVICE.
- 3. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "STANDARD SPECIFICATIONS"), WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER, LATEST EDITION, UNLESS SUPERSEDED OR AMENDED BY THE CITY OF PUYALLUP CITY STANDARDS FOR PUBLIC WORKS ENGINEERING AND CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "CITY STANDARDS"), OR AS DIRECTED BY FRUITLAND MUTUAL WATER COMPANY (FMWC), VALLEY WATER (VW), OR TACOMA CITY WATER (TCW) IS THE PURVEYOR.
- 4. A COPY OF THESE APPROVED PLANS AND APPLICABLE CITY DEVELOPER SPECIFICATIONS AND DETAILS SHALL BE ON SITE DURING CONSTRUCTION 5. ANY REVISIONS MADE TO THESE PLANS MUST BE REVIEWED AND APPROVED BY THE DEVELOPER'S ENGINEER, THE ENGINEERING SERVICES STAFF. AND THE FMWC, VW OR TCW WHEN SERVED BY THAT PURVEYOR, PRIOR TO ANY IMPLEMENTATION IN THE FIELD. THE CITY SHALL NOT BE RESPONSIBLE FOR ANY ERRORS AND/OR OMISSIONS ON THESE PLANS.
- 6. THE CONTRACTOR SHALL HAVE ALL UTILITIES VERIFIED ON THE GROUND PRIOR TO ANY CONSTRUCTION. CALL AT LEAST TWO WORKING DAYS IN ADVANCE. THE OWNER AND HIS/HER ENGINEER SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS. 7. ANY STRUCTURE AND/OR OBSTRUCTION WHICH REQUIRES REMOVAL OR RELOCATION RELATING TO THIS PROJECT SHALL BE DONE SO AT THE
- DEVELOPER'S EXPENSE. 8. BACTERIOLOGICAL (COLIFORM AND IRON BACTERIA) TEST SAMPLES WILL BE TAKEN BY THE CITY (OR FMWC, VW OR TCW WHEN SERVED BY THAT PURVEYOR) AND PAID FOR BY THE CONTRACTOR, EXCEPT FOR CAPITAL IMPROVEMENT PROJECTS (CIP) WHICH SHALL BE PAID FOR BY THE CITY. 9. WATER MAINS SHALL HAVE A MINIMUM COVER OF 36 INCHES FROM PAVED FINAL GRADE IN IMPROVED RIGHT-OF-WAY AND IMPROVED EASEMENTS. AND A MINIMUM OF 48 INCHES IN UNIMPROVED RIGHT-OFWAY AND UNIMPROVED EASEMENTS. CITY OF PUYALLUP - CITY STANDARDS WATER REVISED 7/2023 300-8
- 10. PIPE FOR WATER MAINS SHALL BE DUCTILE IRON CONFORMING TO SECTION 7-09 OF THE STANDARD SPECIFICATIONS. CLASS 52 WITH TYTON OR APPROVED EQUAL JOINTS. PIPE SHALL BE CEMENT LINED IN ACCORDANCE WITH A.S.A. SPECIFICATION A 21.4–1964. 11. CONNECTIONS TO EXISTING WATER MAINS TYPICALLY SHALL BE WET TAPS THROUGH A TAPPING TEE AND TAPPING VALVE AND SHALL BE MADE BY
- A CITY APPROVED CONTRACTOR. THE TAPPING SLEEVE SHALL BE ROMAC SST ALL STAINLESS STEEL TAPPING SLEEVE OR APPROVED EQUAL. A TWO-PIECE EPOXY COATED OR DUCTILE IRON TAPPING SLEEVE MAY BE USED ON DUCTILE IRON PIPE, WHEN THE TAP IS SMALLER THAN THE WATER MAIN SIZE I.E. 6-INCH TAP ON 8-INCH PIPE. THE CITY (OR FMWC, VW OR TCW WHEN SERVED BY THAT PURVEYOR) SHALL APPROVE THE TIME AND LOCATION FOR THESE CONNECTIONS.
- 12. ALL WATER MAINS AND APPURTENANCES SHALL BE HYDROSTATICALLY TESTED AT 200 PSI IN ACCORDANCE WITH STANDARD SPECIFICATION 7-09.3(23). PRESSURE TESTING SHALL NOT BE PERFORMED UNTIL SATISFACTORY PURITY SAMPLES HAVE BEEN RECEIVED, EXCEPT WHEN NEW WATER MAINS ARE INSTALLED INDEPENDENTLY FROM THE WATER SYSTEM PIPING. 13. FIRE HYDRANTS SHALL BE INSTALLED IN ACCORDANCE WITH CITY STANDARD DETAIL 03.05.01 AND AS DIRECTED BY THE CITY OF PUYALLUP FIRE
- CODE OFFICIAL. 14. VALVE MARKER POSTS SHALL BE INSTALLED WHERE VALVE BOXES ARE HIDDEN FROM VIEW OR IN UNPAVED THE INSTALLATION SHALL BE IN
- ACCORDANCE WITH CITY STANDARD DETAIL 03.01.02. 15. RESILIENT SEATED WEDGE GATE VALVES SHALL BE USED FOR 10-INCH MAINS AND SMALLER. BUTTERFLY VALVES SHALL BE USED FOR MAINS GREATER THAN 10 INCHES.
- 16. PIPE FITTING FOR WATER MAINS SHALL BE DUCTILE IRON AND SHALL BE MECHANICAL JOINT CONFORMING TO AWWA SPECIFICATION C111-72. 17. WATER MAIN PIPE AND SERVICE CONNECTIONS SHALL BE A MINIMUM OF 10 FEET AWAY FROM BUILDING FOUNDATIONS AND/OR ROOF LINES. 18. WHERE A WATER MAIN CROSSES THE NORTHWEST GAS PIPELINE. THE WATER LINE SHALL BE CASED WITH PVC PIPE A MINIMUM OF 10 FEET BEYOND EACH SIDE OF THE GAS LINE EASEMENT. CONTACT WILLIAMS NORTHWEST PIPELINE BEFORE THE CROSSING IS MADE.
- 19. TRENCHING, BEDDING, AND BACKFILL FOR WATER MAINS SHALL BE INSTALLED IN ACCORDANCE WITH CITY STANDARD DETAIL 06.01.01 20. ALL COMMERCIAL AND INDUSTRIAL DEVELOPMENTS, IRRIGATION SYSTEMS, AND MULTI-FAMILY WATER SERVICE CONNECTIONS SHALL BE PROTECTED BY A DOUBLE CHECK VALVE ASSEMBLY OR A REDUCED PRESSURE BACKFLOW ASSEMBLY AS DIRECTED BY THE CITY (OR FMWC, VW OR TCW WHEN SERVED BY THAT PURVEYOR) CONFORMING TO CITY STANDARD DETAILS 03.04.01, 03.04.02, AND 03.04.03.
- 21. ANY LEAD JOINT FITTING DISTURBED DURING CONSTRUCTION SHALL BE REPLACED WITH A MECHANICAL JOINT FITTING AT THE CONTRACTOR'S EXPENSE. 22. HYDRAULIC FIRE FLOW MODELING SHALL BE REQUIRED FOR FORMAL PLATS WITHIN OR TO BE ANNEXED INTO THE CITY OF PUYALLUP'S WATER
- SERVICE AREA. THE DEVELOPER SHALL BE RESPONSIBLE TO APPLY FOR A HYDRAULIC MODEL PERMIT PRIOR TO PLAT REVIEW. THE HYDRAULIC MODELING CRITERIA IS BASED ON THE PROJECTED WATER DEMAND WHILE MAINTAINING A MINIMUM SYSTEM PRESSURE OF 20 POUNDS PER SQUARE INCH (PSI) AND A MAXIMUM VELOCITY OF 10 FEET PER SECOND. 23. WHEN USING A FIRE HYDRANT FOR NON-FIREFIGHTING PURPOSES, A CITY HYDRANT METER MUST BE USED. COORDINATE THE ACQUISITION OF THE
- HYDRANT METER WITH THE CITY'S UTILITY BILLING DIVISION AT PUYALLUP CITY HALL. A CITY APPROVED BACKFLOW PROTECTION ASSEMBLY SHALL BE INSTALLED BY THE PERSON REQUESTING USE OF A FIRE HYDRANT. THE ASSEMBLY SHALL BE ACCOMPANIED BY A CURRENT BACKFLOW ASSEMBLY TEST REPORT. THE TEST REPORT SHALL BE AVAILABLE AT THE SITE FOR THE DURATION OF THE HYDRANT USE.
- 24. SHOULD A BREAK OCCUR ON ANY CITY WATER MAIN, THE CONTRACTOR SHALL FOLLOW THE CITY'S ADOPTED "WATER MAIN BREAK PROCEDURE" ISSUED TO THEM AT THE PRE-CONSTRUCTION MEETING AND NOTIFY THOSE CONNECTED TO THE SYSTEM IN THE IMPACTED AREA AS OUTLINED IN THE PROCEDURE
- 25. WATER MAIN REPAIRS (REFERENCES: AWWA C651-14 AND WSDOT STANDARD SPECIFICATION SECTION 7-09) (NOTE: A PLANNED WATER MAIN REPAIR SHALL BE APPROVED BY THE CITY INSPECTOR AND/OR WATER DIVISION SUPERVISOR PRIOR TO COMMENCING WORK.) a. REPAIR WITHOUT DEPRESSURIZATION - SMALL LEAKS SHALL BE REPAIRED USING REPAIR BANDS WHILE MAINTAINING POSITIVE PRESSURE IN THE WATER MAIN. VALVES SURROUNDING THE LEAK WILL BE PARTIALLY SHUT BY THE CITY WATER DEPARTMENT TO REDUCE THE FLOW AND PRESSURE TO THE AREA. BLOWOFFS AND HYDRANTS IN THE REDUCED PRESSURE AREA MAY BE OPENED AS NEEDED TO FURTHER REDUCE THE PRESSURE. THE WATER MAIN TRENCH SHALL BE OVER-EXCAVATED TO ALLOW WATER IN THE TRENCH TO BE PUMPED OUT AND MAINTAINED BELOW THE LEVEL OF THE WATER MAIN. THE REPAIR SHALL BE COMPLETED WITH THE WATER MAIN PRESSURE REMAINING POSITIVE. AFTER THE REPAIR IS MADE, THE SYSTEM SHALL BE FULLY PRESSURIZED AND A VISUAL LEAK INSPECTION WILL BE COMPLETED. THE WATER MAIN IN THE AFFECTED AREA SHALL BE FLUSHED TO ACHIEVE THREE PIPE VOLUMES PULLED FROM THE PIPE (DISTANCE MEASURED FROM VALVE OPENED FOR FLUSHING TO THE EXIT HYDRANT OR BLOWOFF).
- b. REPAIR/CUT-IN WITH DEPRESSURIZATION TRENCH SHALL BE OVER EXCAVATED AND DEWATERED BELOW THE WATER MAIN. FLUSH WATER FROM PIPE FROM EACH DIRECTION UNTIL IT RUNS CLEAR. IMMEDIATELY PRIOR TO INSTALLATION OF A NEW PIPE SECTION FOR REPAIR OR CUT IN TEE, ALL NEW FITTINGS AND PIPE SPOOLS SHALL BE SWABBED WITH A FIVE PERCENT (5%) CHLORINE SOLUTION (MINIMUM). THE INTERIOR OF THE EXISTING PIPE SHALL BE SWABBED WITH A FIVE PERCENT (5%) CHLORINE SOLUTION AT LEAST 6 FEET IN EACH DIRECTION FROM EXPOSED CUT ENDS. THE WATER MAIN IN THE AFFECTED AREA SHALL BE FLUSHED TO ACHIEVE THREE PIPE VOLUMES PULLED FROM THE PIPE (DISTANCE MEASURED FROM THE VALVE OPENED FOR FLUSHING TO THE EXIT HYDRANT OR BLOWOFF). CUSTOMERS SHALL BE NOTIFIED AFTER THE WATER MAIN IS FLUSHED AND REPAIRS HAVE BEEN COMPLETED, AS OUTLINED IN THE "WATER MAIN BREAK PROCEDURE." 26. NEW WATER MAIN INSTALLATION:
- a. EACH NEW WATER MAIN SECTION SHALL BE DELIVERED. STACKED AND STORED ONSITE WITH ENDS PLUGGED. THE PLUGS SHALL REMAIN IN THE PIPE UNTIL EACH PARTICULAR SECTION IS INSTALLED. NATIONAL SANITATION FOUNDATION (NSF) APPROVED SIXTY-FIVE PERCENT (65%) CALCIUM HYPOCHLORITE SHALL BE ADDED TO THE UPSTREAM END OF EACH PIPE SECTION, AND AT EACH HYDRANT TEE IN THE AMOUNT GIVEN IN THE TABLE BELOW (OR PER APPROVED MANUFACTURER SPECIFICATIONS). THE MINIMUM AMOUNT OF CALCIUM HYPOCHLORITE ADDED SHOULD BE SUFFICIENT TO ACHIEVE A 50 MG/L CONCENTRATION WITHIN THE IMPACTED AREA.

#### GRADING. EROSION AND SEDIMENT CONTROL NOTES: 1. ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE CITY OF PUYALLUP. PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE ENGINEERING PLANS. REPRESENTATIVES FROM ALL APPLICABLE UTILITY COMPANIES, THE PROJECT OWNER AND APPROPRIATE CITY STAFF. CONTACT ENGINEERING SERVICES TO SCHEDULE THE MEETING (253) 841-5568. THE CONTRACTOR IS RESPONSIBLE TO HAVE THEIR OWN APPROVED SET OF PLANS AT THE MEETING. 2. AFTER COMPLETION OF ALL ITEMS SHOWN ON THESE PLANS AND BEFORE ACCEPTANCE OF THE PROJECT. THE CONTRACTOR SHALL OBTAIN A "PUNCH LIST" PREPARED BY THE CITY'S 0 INSPECTOR DETAILING REMAINING ITEMS OF WORK TO BE COMPLETED. ALL ITEMS OF WORK SHOWN ON THESE PLANS SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY PRIOR S TO ACCEPTANCE OF THE WATER SYSTEM AND PROVISION OF SANITARY SEWER SERVICE. 3. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (HEREINAFTER REFERRED TO AS THE R "STANDARD SPECIFICATIONS"). WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER, LATEST EDITION, UNLESS SUPERSEDED OR AMENDED BY THE CITY OF PUYALLUP CITY STANDARDS FOR PUBLIC WORKS ENGINEERING AND CONSTRUCTION (HERINAFTER REFERRED TO AS THE "CITY $\mathbf{O}$ STANDARDS"). 4. A COPY OF THESE APPROVED PLANS AND APPLICABLE CITY DEVELOPER SPECIFICATIONS AND DETAILS SHALL BE ON SITE DURING CONSTRUCTION. ㅋㅋㅋ 5. ANY REVISIONS MADE TO THESE PLANS MUST BE REVIEWED AND APPROVED BY THE DEVELOPER'S ENGINEER AND THE CITY ENGINEER PRIOR TO ANY IMPLEMENTATION IN THE FIELD. THE CITY SHALL NOT BE RESPONSIBLE FOR ANY ERRORS AND/OR OMISSIONS ON THESE PLANS. 06 6. THE CONTRACTOR SHALL HAVE ALL UTILITIES VERIFIED ON THE GROUND PRIOR TO ANY 12,03 CONSTRUCTION. CALL (811) AT LEAST TWO WORKING DAYS HOURS IN ADVANCE. THE 2 - | ž OWNER AND HIS/HER ENGINEER SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS. 7. ALL LIMITS OF CLEARING AND AREAS OF VEGETATION PRESERVATION AS PRESCRIBED ON THE PLANS SHALL BE CLEARLY FLAGGED IN THE FIELD AND OBSERVED DURING CONSTRUCTION. 8. ALL REQUIRED SEDIMENTATION AND EROSION CONTROL FACILITIES MUST BE CONSTRUCTED C AND IN OPERATION PRIOR TO ANY LAND CLEARING AND/OR OTHER CONSTRUCTION TO ENSURE THAT SEDIMENT LADEN WATER DOES NOT ENTER THE NATURAL DRAINAGE SYSTEM THE CONTRACTOR SHALL SCHEDULE AN INSPECTION OF THE EROSION CONTROL FACILITIES 0 PRIOR TO ANY LAND CLEARING AND/OR OTHER CONSTRUCTION. ALL EROSION AND SEDIMENT ₽ > FACILITIES SHALL BE MAINTAINED IN A SATISFACTORY CONDITION AS DETERMINED BY THE CITY, 0 В ш UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETED AND THE POTENTIAL 0 FOR ONSITE EROSION HAS PASSED. THE IMPLEMENTATION, MAINTENANCE, REPLACEMENT, AND σ ADDITIONS TO THE EROSION AND SEDIMENTATION CONTROL SYSTEMS SHALL BE THE ≥≞ RESPONSIBILITY OF THE PERMITTEE. R $\overline{0}$ 0 U 9. THE EROSION AND SEDIMENTATION CONTROL SYSTEM FACILITIES DEPICTED ON THESE PLANS 0 ARE INTENDED TO BE MINIMUM REQUIREMENTS TO MEET ANTICIPATED SITE CONDITIONS. AS ΔШ CONSTRUCTION PROGRESSES AND UNEXPECTED OR SEASONAL CONDITIONS DICTATE, FACILITIES WILL BE NECESSARY TO ENSURE COMPLETE SILTATION CONTROL ON THE SITE. DURING THE COURSE OF CONSTRUCTION, IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE ┦⋝ PERMITTEE TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY HIS ACTIVITIES AND A F P TO PROVIDE ADDITIONAL FACILITIES, OVER AND ABOVE THE MINIMUM REQUIREMENTS, AS MAY BE NEEDED TO PROTECT ADJACENT PROPERTIES, SENSITIVE AREAS, NATURAL WATER COURSES, ך ≺ 0 AND/OR STORM DRAINAGE SYSTEMS. ⊃ ທ 10. APPROVAL OF THESE PLANS IS FOR GRADING, TEMPORARY DRAINAGE, EROSION AND σ – SEDIMENTATION CONTROL ONLY. IT DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT S STORM DRAINAGE DESIGN, SIZE OR LOCATION OF PIPES, RESTRICTORS, CHANNELS, OR 16 0 REF RETENTION FACILITIES. 11. ANY DISTURBED AREA WHICH HAS BEEN STRIPPED OF VEGETATION AND WHERE NO FURTHER WORK IS ANTICIPATED FOR A PERIOD OF 30 DAYS OR MORE, MUST BE IMMEDIATELY $\mathbf{O}$ STABILIZED WITH MULCHING, GRASS PLANTING, OR OTHER APPROVED EROSION CONTROL TREATMENT APPLICABLE TO THE TIME OF YEAR IN QUESTION. GRASS SEEDING ALONE WILL BE ACCEPTABLE ONLY DURING THE MONTHS OF APRIL THROUGH SEPTEMBER INCLUSIVE SEEDING MAY PROCEED OUTSIDE THE SPECIFIED TIME PERIOD WHENEVER IT IS IN THE INTEREST OF THE PERMITTEE BUT MUST BE AUGMENTED WITH MULCHING, NETTING, OR OTHER TREATMENT APPROVED BY THE CITY. 12. IN CASE EROSION OR SEDIMENTATION OCCURS TO ADJACENT PROPERTIES, ALL CONSTRUCTION WORK WITHIN THE DEVELOPMENT THAT WILL FURTHER AGGRAVATE THE SITUATION MUST CEASE. AND THE OWNER/CONTRACTOR WILL IMMEDIATELY COMMENCE RESTORATION METHODS. RESTORATION ACTIVITY WILL CONTINUE UNTIL SUCH TIME AS THE AFFECTED PROPERTY OWNER IS SATISFIED. 13. NO TEMPORARY OR PERMANENT STOCKPILING OF MATERIALS OR EQUIPMENT SHALL OCCUR WITHIN CRITICAL AREAS OR ASSOCIATED BUFFERS, OR THE CRITICAL ROOT ZONE FOR VEGETATION PROPOSED FOR RETENTION. 3/05/202 ¥ gir ш rghauser ាដ ស <u>o</u> Μ̈́Ū. APPROVED CITY OF PUYALLUP DEVELOPMENT ENGINEERING DATE NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS $\mathbf{c}$ AND/OR OMISSIONS ON THESE $\boldsymbol{\infty}$ 20 FIELD CONDITIONS MAY DICTATE

CHANGES TO THESE PLANS AS

DEVELOPMENT ENGINEERING

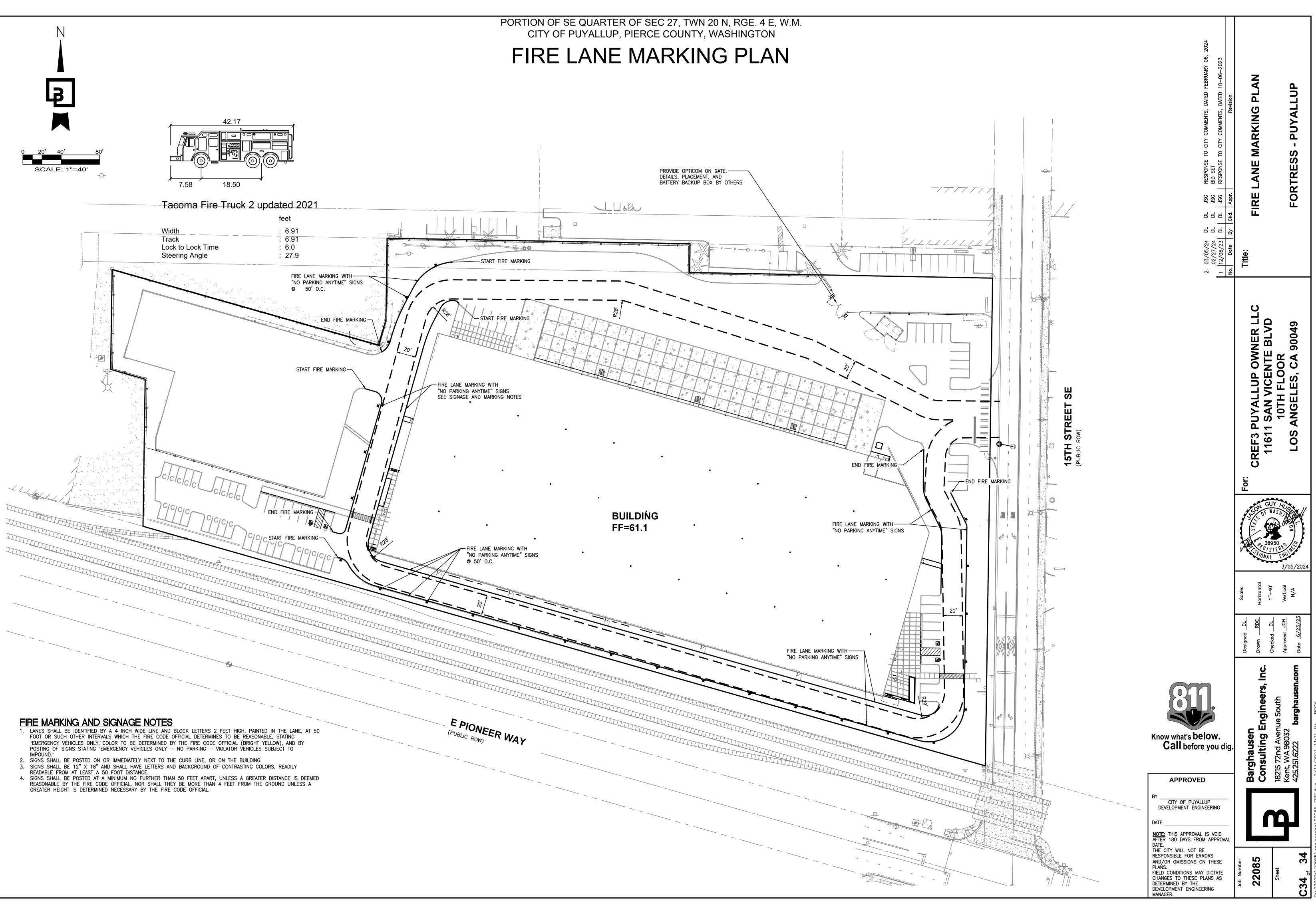
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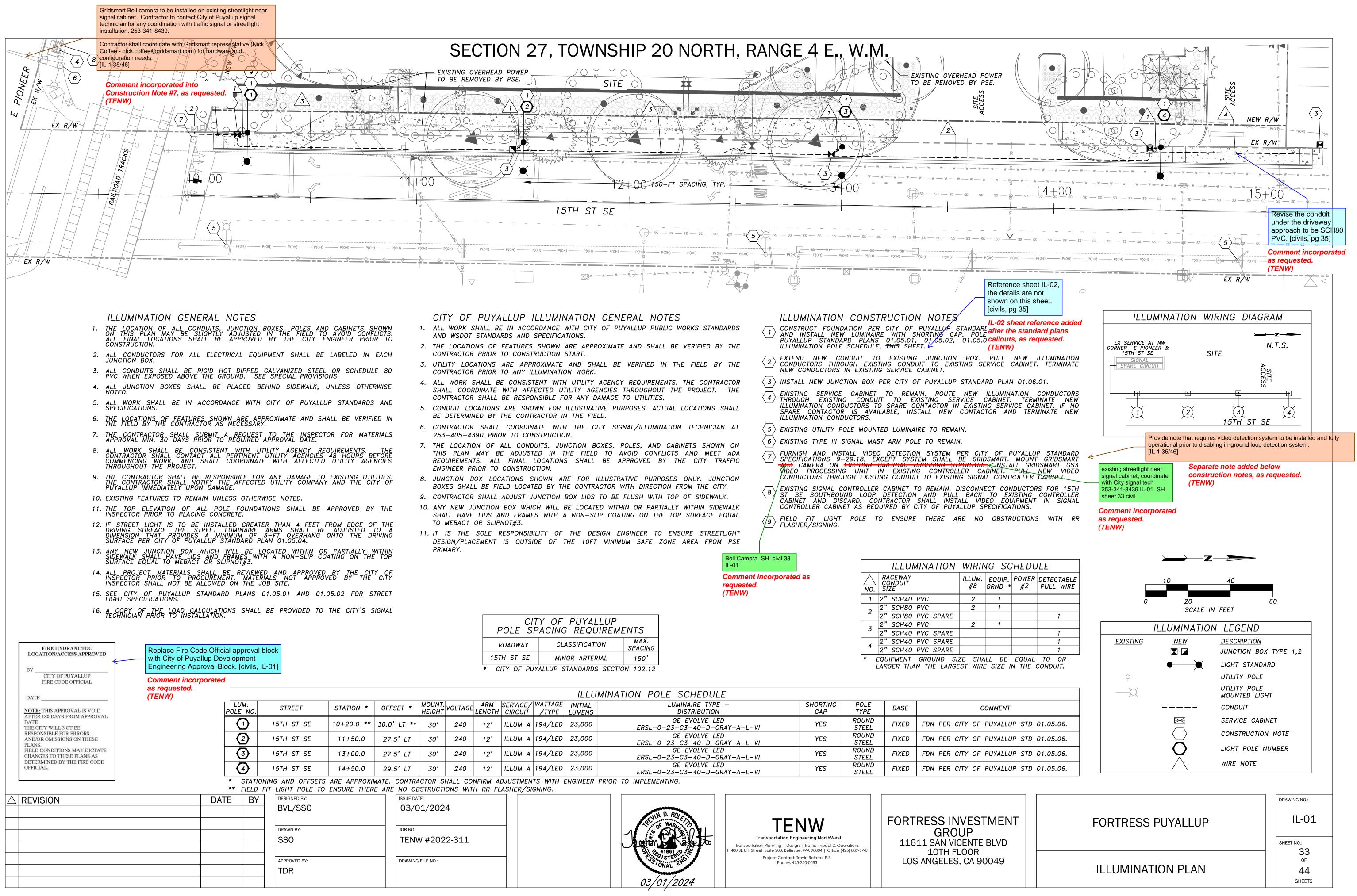
MANAGER

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	ILLUMINATION	WIRIN	IG
NO.	RACEWAY CONDUIT SIZE	ILLUM. #8	EC GR
1	2" SCH40 PVC	2	
2	2" SCH80 PVC	2	
Z	2" SCH80 PVC SPARE		
3	2" SCH40 PVC	2	
5	2" SCH40 PVC SPARE		
4	2" SCH40 PVC SPARE		
4	2" SCH40 PVC SPARE		
*	EQUIPMENT GROUND SI	ZE SHA	LĹ

CITY OF PUYALLUP POLE SPACING REQUIREMENTS					
ROADWAY	CLASSIFICATION	MAX. SPACING			
15TH ST SE	MINOR ARTERIAL	150'			

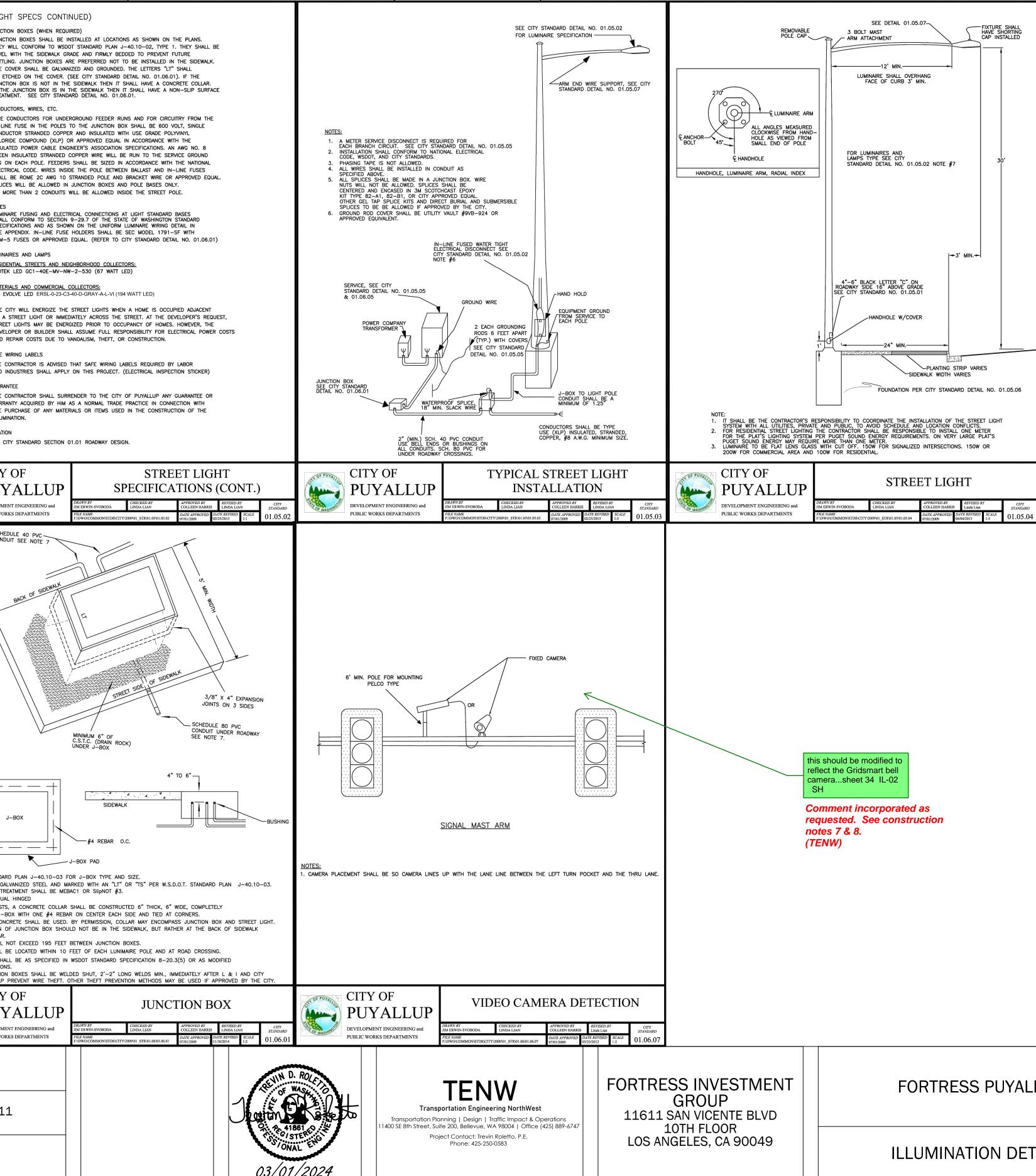
INATION	POLE	SCHEDULE

TAGE	ARM LENGTH	SERVICE/ CIRCUIT	WATTAGE /TYPE	INITIAL LUMENS	LUMINAIRE TYPE – DISTRIBUTION	SHORTING CAP	POLE TYPE	BASE	СОММ
40	12'	ILLUM A	194/LED	23,000	GE EVOLVE LED ERSL-0-23-C3-40-D-GRAY-A-L-VI	YES	ROUND STEEL	FIXED	FDN PER CITY OF PUY,
40	12'	ILLUM A	194/LED	23,000	GE EVOLVE LED ERSL-0-23-C3-40-D-GRAY-A-L-VI	YES	ROUND STEEL	FIXED	FDN PER CITY OF PUY,
40	12'	ILLUM A	194/LED	23,000	GE EVOLVE LED ERSL-0-23-C3-40-D-GRAY-A-L-VI	YES	ROUND STEEL	FIXED	FDN PER CITY OF PUY,
40	12'	ILLUM A	194/LED	23,000	GE EVOLVE LED ERSL-0-23-C3-40-D-GRAY-A-L-VI	YES	ROUND STEEL	FIXED	FDN PER CITY OF PUY,

S WITH RR FLASHER/SIGNING.			
311	Dentem D. ROLLING RELIN D. ROLLING STERE STORE ONAL ENG O3/01/2024	<b>TRANSPORTATION Engineering NorthWest</b> Transportation Planning   Design   Traffic Impact & Operations 11400 SE 8th Street, Suite 200, Bellevue, WA 98004   Office (425) 889-6747 Project Contact: Trevin Roletto, P.E. Phone: 425-250-0583	FORTRESS INVESTM GROUP 11611 SAN VICENTE BL 10TH FLOOR LOS ANGELES, CA 9004

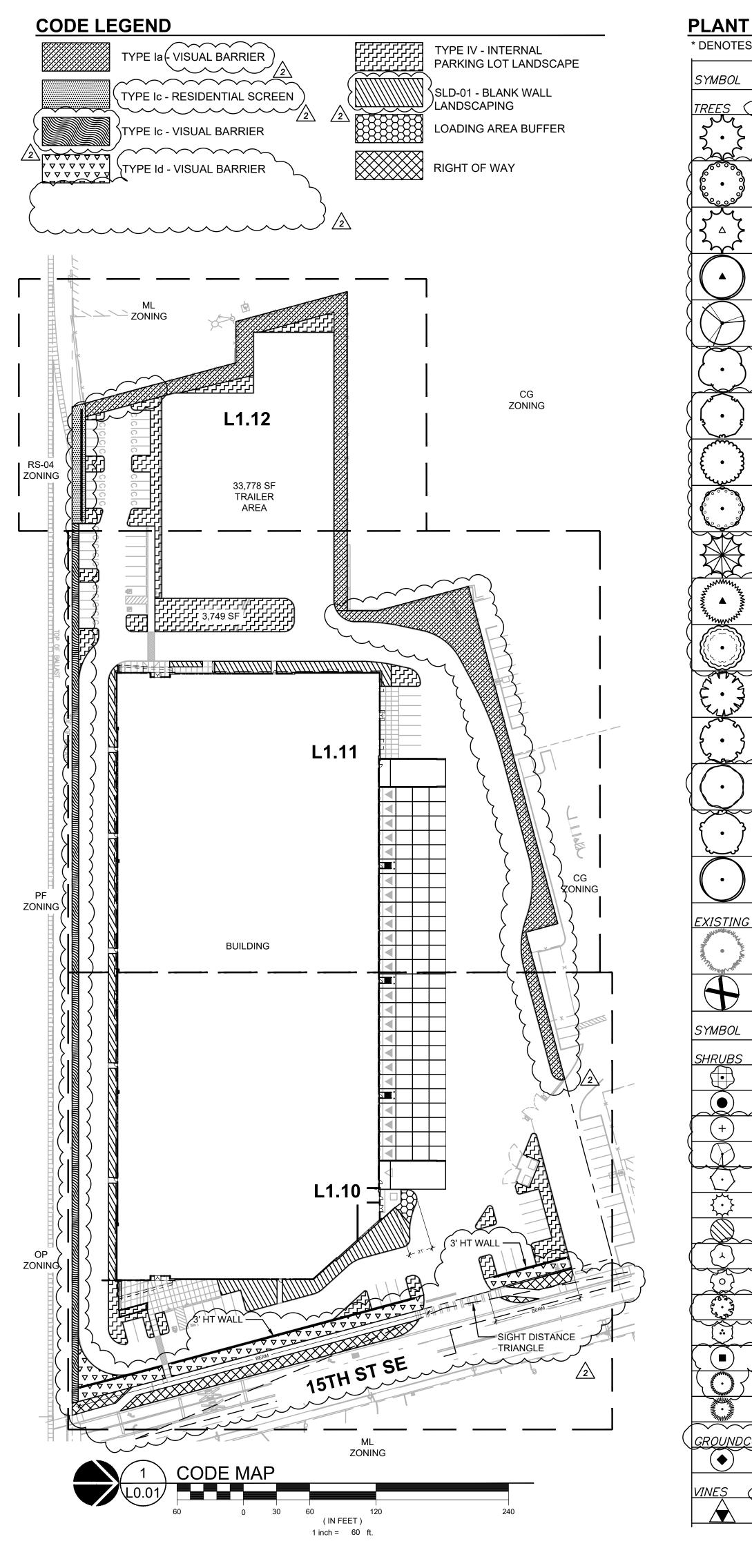
		SE
	STREET LIGHTING SPECIFICATIONS	(STR LIGH 4. junctik junct they layel
	1. 30-FOOT STEEL STREETLIGHT STANDARD a. DIMENSIONS	LEVEL SETTLI THE C BE ET
	STREETLIGHT STANDARDS SHALL PROVIDE A FIXTURE MOUNTING HEIGHT OF 30'0" PLUS OR MINUS 6" WITH A TYPICAL 12 FOOT MAST ARM WITH A THREE FOOT OVERHANG.	JUNCT IF THE TREATI 5. CONDU
	BASE PLATE SHALL HAVE SLOTTED HOLES TO ACCOMMODATE $1-$ INCH ANCHOR BOLTS, AND 11 1/2" BOLT CIRCLE WITH MINIMUM CLEARANCE OF 1" BETWEEN BOLT AND POLE.	WIRE ( IN-LIN CONDU
	HANDHOLE CENTER SHALL BE LOCATED APPROXIMATELY 12 INCHES FROM THE BASE PLATE, ROTATED 270 DEGREES FROM MAST ARM SO AS THE HANDHOLE IS LOCATED ON THE SIDE OPPOSING ONCOMING TRAFFIC. b. STRENGTH	CHLOR INSULA GREEN LUG O ELECTI SHALL
	POLES SHALL MEET ALL STRENGTH REQUIREMENTS OF AASHTO FOR 90 MPH ISOTACH WHEN USED WITH A LUMINAIRE WEIGHING 48 POUNDS WITH A E.P.A. OF 1.1 SQUARE FEET. ALL ATTACHING BOLTS AND SCREWS THAT ARE NOT GALVANIZED SHALL BE STAINLESS STEEL.	SPLICE NO MO 6. FUSES LUMIN SHALL
	<ul> <li>FINISH</li> <li>THE POLES AND ALL HARDWARE SAHALL BE HOT DIPPED GALVANIZED, MINIMUM 3 MIL THICKNESS.</li> </ul>	SPECII THE A FNM-S
	<ul><li>d. MAST ARM ATTACHMENT SHALL BE SECURED BY 3 BOLTS.</li><li>e. EACH POLE SHALL HAVE HANDHOLE (WITH COVER), GROUND LUG AND</li></ul>	7. LUMINA <u>RESIDE</u> LEOTE
	REMOVABLE POLE CAP. f. EACH CITY POLE SHALL HAVE A BLACK 4" TO 6" LETTER C STENCILED ON ROADWAY SIDE OF POLE 16" ABOVE GRADE.	<u>ARTER</u> GE EV
	<ol> <li>ANCHORAGE</li> <li>POLES SHALL BE ANCHORED WITH 4 BOLTS, 1"X36"X4" #8UNC WITH HOT</li> </ol>	THE C TO A STREE DEVEL
	DIPPED GALVANIZING AFTER THREADS ARE CUT. GALVANIZED AREA SHALL EXTEND FROM THREADED END FOR A MINIMUM OF 12 INCHES. BOLTS SHALL BE PROVIDED WITH 2 GALVANIZED NUTS AND FLAT WASHERS FOR LEVELING. SHIMS WILL NOT BE USED.	AND F 8. SAFE W THE C
	b. A NON-SHRINKING GROUT SHALL BE INSTALLED WITH ONE 1/2" DRAIN HOLE UNDER THE BASE PLATE AFTER THE ENGINEER HAS APPROVED THE POLE INSTALLATION.	AND II 9. GUARAN
	3. CONDUIT ALL CONDUIT SHALL BE BURIED A MINIMUM OF 24 INCHES DEEP. ALL ROADWAY CROSSINGS SHALL BE RIGID METALLIC OR SCHEDULE 80 PVC. CONDUIT SHALL	THE C WARRA THE P ILLUMI
	CONSIGNES SHALL BE RIGID METALLIC OR SCHEDULE 80 FVC. CONDUCT SHALL CONFORM TO SECTION 9–29 OF WSDOT STANDARD SPECIFICATIONS. SCHEDULE 80 PVC MAY BE USED IN LOCATIONS OTHER THAN ROADWAY CROSSINGS.	10. LOCATIO SEE CI
	CITY OF STREET LIGHT	CITY
	PUYALLUP         SPECIFICATIONS           Development engineering and         Drawns.svoboda         CHECKED BY         APPROVED BY         COLLEEN HARRIS         LINDA LIAN         STANDARD	
	PUBLIC WORKS DEPARTMENTS PUBLIC WORKS DEPAR	PUBLIC WOR SCHEL CONDU
	TOOL FINISH EDGES 1"x36"x4" ANCHOR BOLT NO. 4 REBAR VERTICALS NO. 4 REBAR HOOPS 1-1/4" PVC-40 CONDUIT (6"-8" ABOVE BASE)	4" THICK
FIRE HYDRANT/FDC LOCATION/ACCESS APPROVED	STANDARD BASE LEVELING NUTS, WASHERS (NO SHIMS) GROUT WITH 1/2" WEEP HOLE DIRT LINE SEE NOTE BELOW CLASS 5 (1 1/2) CONCRETE 1-1/4" PVC- SCH. 40 CONDUIT (2 EACH) EXTENDED 6"-8" ABOVE BASE 1"X36"X4" ANCHOR BOLT NO. 4 REBAR VERTICAS (4) (CAGE SHALL NOT TOUCH) NO. 4 REBAR HOOPS (4-16" O.C.) NO. 4 REBAR HOOPS (4-16" O.C.)	
BY CITY OF PUYALLUP FIRE CODE OFFICIAL	MIN. 2. FOUNDATION TO BE 30" ROUND. TOP 5-1/2" OF FOUNDATION WILL BE 24" SQUARE.	NOTES: 1. SEE W.S.D.O.T. STANDAR 2. ALL LIDS SHALL BE GAL NON-SLIP SURFACE TRE 3. TYPE III SHALL BE DUAL
DATE NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE	TEMPLATE FOR ANCHOR BOLT CIRCLE WILL BE A SINGLE PIECE OF 3/4'' PLYWOOD WITH 4 BOLT HOLES TO FORM A BOLT CIRCLE OF 11-1/2" TO MATCH POLE MANUFACTURE'S BASE DESIGN. LOWER LEVELING NUTS SHOULD BE CLOSE TO CONCRETE (ABOUT 1") TO PREVENT EXCESSIVE STRESSES IN THE ANCHOR BOLTS CAUSED BY TORSIONAL FORCES IN THE POLE. ANCHOR BOLTS WILL EXTEND ABOVE TOP NUT, 2 THREADS MINIMUM AND 5/8" MAXIMUM.	<ol> <li>IF NO SIDEWALK EXISTS SURROUNDING THE J-BE CLASS 5 (1 1/2) CONC PREFERED LOCATION O WITH 3-SIDED COLLAR.</li> <li>CONDUIT RUNS SHALL NE</li> <li>JUNCTION BOX SHALL E</li> <li>CONDUIT MATERIAL SHAL ON SPECIAL PROVISION:</li> <li>STREET LIGHT JUNCTION INSPECTIONS TO HELP</li> </ol>
CHANGES TO THESE PLANS AS DETERMINED BY THE FIRE CODE OFFICIAL.	CITY OF PUYALLUP DEVELOPMENT ENGINEERING and INFU IO NORME DEMONDER (DEVELOPMENT ENGINEERING and INFU IO NORME DEMONDER (DEVELOPMENT ENGINEERING and INFU IO NORME DEMONDER (DEPONDER) DEVELOPMENT ENGINEERING AND INFO IO NORME DEMONDER DEVELOPMENT AND INFO IO NORME DEMONDER DEVELOPMENT AND INFO IO NORME DEVELOPMENT AND INFO IO NORME DEVELOPMENT DEVELOPMENT AND INFO IO NORME DEVELOPMENT INFO IO NORME DEVELOPMENT AND INFO IO NORME DEVELOPMENT DEVELOPMENT A	WAD
		6 PUBLIC WOR SSUE DATE: 03/01/2024
		IOB NO.:
	SSO	TENW #2022-312
	APPROVED BY: TDR	DRAWING FILE NO.:

## ECTION 27, TOWNSHIP 20 NORTH, RANGE 4 E., W.M.



this should be modified to reflect the Gridsmart bell	
camerasheet 34 IL-02 SH	
Comment incorporate requested. See const notes 7 & 8. (TENW)	

	DRAWING NO.:
FORTRESS PUYALLUP	IL-02
	SHEET NO.:
ILLUMINATION DETAILS	34 ^{of} 44
	SHEETS



## PLANT SCHEDULE

S	PUGET SOUND NATIVE PLANT ** DENOTES F	NW NATIVE CULTIVAR	
	BOTANICAL / COMMON NAME	SIZE	QTY
(			$\sim\sim\sim$
- _	CALOCEDRUS DECURRENS INCENSE CEDAR CLASS II TREE (50' H X 15' W)	8' HT. MIN. B&B	2
}	CEDRUS DEODARA DEODAR CEDAR	6' HT. MIN.	17
	CHAMAECYPARIS OBTUSA HINOKI FALSE CYPRESS CLASS III TREE (50' H X 15' W)	8' HT. MIN. B&B	25
)	FAGUS SYLVATICA 'TRICOLOR' TRICOLOR EUROPEAN BEECH CLASS IV TREE (60' X 45')	2" CAL. B&B	4
ł	GINKGO BILOBA 'AUTUMN GOLD' AUTUMN GOLD MAIDENHAIR TREE CLASS III TREE (45' X 35')	2" CAL. B&B	7
/ ) _/	GLEDITSIA TRIACANTHOS INERMIS 'DRAVES' STREET KEEPER® HONEY LOCUST CLASS II TREE (45' H X 20' W)	2" CAL., B&B	1
	LIRIODENDRON TULIPIFERA TULIP POPLAR CLASS IV TREE (60' H X 35' W)	2" CAL., B&B	9
}	NYSSA SYLVATICA TUPELO CLASS III TREE (35' X 20')	2" CAL. B&B	14
)	OXYDENDRUM ARBOREUM SOURWOOD TREE CLASS III TREE (30' X 15')	2" CAL. B&B	5
	PICEA OMORIKA SERBIAN SPRUCE CLASS III TREE (50' H X 20' W)	8' HT. MIN. B&B	34
	PINUS NIGRA AUSTRIAN PINE CLASS IV TREE (50' X 25')	6' HT. MIN. B&B	19
}	PINUS PONDEROSA PONDEROSA PINE CLASS IV TREE (100' X 35')	6' HT. MIN.	3
	QUERCUS PALUSTRIS 'PRINGREEN' GREEN PILLAR® PIN OAK CLASS II TREE (45' H X 15' W)	2" CAL., B&B	3
	QUERCUS X 'CRIMSCHMIDT' CRIMSON SPIRE™ OAK CLASS II TREE (45' H X 15' W)	2" CAL. B&B	2
	TILIA TOMENTOSA 'STERLING' STERLING SILVER LINDEN CLASS III TREE (45' H X 30' W)	2" CAL. B&B	9
>	ULMUS AMERICANA 'VALLEY FORGE' VALLEY FORGE AMERICAN ELM CLASS IV TREE (80' H X 60' W)	2" CAL. B&B	4
)	ZELKOVA SERRATA 'VILLAGE GREEN' SAWLEAF ZELKOVA CLASS III TREE (40' H X 40' W)	2" CAL., B&B	5
<u> </u>			 

EXISTING CONIFER TREE TO REMAIN			6
EXISTING DECIDUOUS TREE TO REMOVE			2
BOTANICAL / COMMON NAME	SIZE	SPACING	QTY
			$\frown$
ARBUTUS UNEDO 'COMPACTA' COMPACT STRAWBERRY TREE	5 GAL.	60" o.c. (	126
CORNUS STOLONIFERA 'KELSEYI' **	3 GAL.	24" o.c.	375
GAULTHERIA SHALLON * SALAL	3 GAL.	30" o.c.	291
ILEX CRENATA 'SKYPENCIL' SKYPENCIL JAPANESE HOLLY	4' HT. MIN.	48" o.c.	117
JUNIPERUS SCOPULORUM 'SKYROCKET'	8' HT. MIN.	48" o.c.	28
MAHONIA AQUIFOLIUM *	5 GAL. 48" HT. MIN.	48" o.c.	184
NANDINA DOMESTICA 'GULF STREAM' GULE STREAM HEAVENLY BAMBQO	3 GAL.	36" o.c.	48
NANDINA DOMESTICA 'LEMON LIME'	3 GAL.	42" o.c.	21
PIERIS JAPONICA MOUNTAIN FIRE MOUNTAIN FIRE JAPANESE PIERIS	3 GAL.	60" o.c.	80
RHODODENDRON MACROPHYLLUM * PACIFIC RHODODENDRON	5 GAL.	60" o.c.	27
RIBES SANGUINEUM *	5 GAL.	48" o.c.	106
ŠYMPHORICĂRPŎS ĂLBŬS *	3 GAL.	48" o.c.	75
THUJA OCCIDENTALIS 'SMARAGD' EMERALD GREEN ARBORVITAE	12' HT. MIN.	48" o.c.	66 }
THUJA OCCIDENTALIS 'SMARAGD' EMERALD GREEN ARBORVITAE	8' HT. MIN.	48" o.c.	135
OVER A			
PENNISETUM ALOPECUROIDES 'HAMELN' HAMELN FOUNTAIN GRASS	1 GAL.	24" o.c.	92
			$\sim$
LONICERA X MANDARIN MANDARIN HONEYSUCKLE	1 GAL.	24" o.c.	38
			$\checkmark$

## LANDSCAPE NOTES

- GENERAL 1. CONTRACTOR SHALL CONFIRM ALL EXISTING CONDITION WORK.
- 2. CALL BEFORE YOU DIG. CONTRACTOR SHALL VERIFY IN UNDERGROUND UTILITIES AND NOTIFY LANDSCAPE ARC DISCREPANCIES WITH PLANTING ROOT ZONES. TO REQ PROPOSED EXCAVATION CALL 1-800-424-5555 (OR 811) I
- 3. NOTIFY THE OWNER OR OWNER'S REPRESENTATIVE OF CONFLICTS WITH EXISTING CONDITIONS PRIOR TO COM
- 4. LOCATION OF EXISTING TREES SHALL BE VERIFIED IN T PRIOR TO COMMENCEMENT OF WORK.
- 5. VEGETATION PROTECTION SHALL BE INSTALLED PRIOR STACKING, STORING, STOCKPILING, OR ACCUMULATION PROHIBITED IN THE ROOT PROTECTION ZONE. SEE TRE AND PUYALLUP APPENDIX 20 FOR TREE PROTECTION S SITES.
- 6. DAMAGE TO EXISTING CONCRETE CURB, ASPHALT PAV
- SHALL BE REPAIRED OR REPLACED TO PRE CONSTRUC7. CONTRACTOR SHALL COORDINATE WITH THE OWNER A

#### IRRIGATION

- 1. UNLESS OTHERWISE INDICATED, ALL NEW LANDSCAPE A FULLY AUTOMATIC UNDERGROUND IRRIGATION SYST FOR OPTIMUM EFFICIENCY.
- 2. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS (IRRIGA ARCHITECT PRIOR TO CONSTRUCTION. DRAWINGS TO I PER MINUTE, LATERAL LINES, AND BE AT MINIMUM SCA
- 3. CONTRACTOR TO DETERMINE STATIC WATER PRESSUL PREPARING SHOP DRAWINGS.
- 4. CONTRACTOR SHALL ESTABLISH MINIMUM PRESSURE A REQUIREMENTS FOR IRRIGATION SYSTEM DESIGN, AND IRRIGATION SCHEDULE.
- 5. IRRIGATION SYSTEM AS DESIGNED AND INSTALLED SHA TOLERANCES AND SPECIFICATIONS OF THE SPECIFIED
- 6. SYSTEM SHALL BE DESIGNED TO SUPPLY MANUFACTUR OPERATING PRESSURE TO FARTHEST EMITTER FROM V
- SYSTEM SHALL PROVIDE HEAD TO HEAD COVERAGE W BUILDING, FENCES, SIDEWALKS, PARKING AREAS, OR C SURFACES.
- 8. ALL IRRIGATION PIPE MATERIAL AND INSTALLATION SHA CODE FOR PIPING AND COMPONENT REQUIREMENTS.
- 9. PROVIDE SLEEVING AT ALL AREAS WHERE PIPE TRAVEI SURFACING.
- 10. VALVES SHALL BE WIRED AND INSTALLED PER MANUFA INSTALLATION PROCEDURES AND CONNECTED TO THE
- 11. REFER TO CIVIL DETAILS AND DETAILS ON L5.12 FOR PO BACKFLOW PREVENTION INFORMATION.
- 12. CONTROLLER TO BE MOUNTED ON BUILDING EXTERIOR
- COORDINATE LOCATION WITH OWNER'S REPRESENTAT13. ZONE THE FOLLOWING AREAS SEPARATELY: TEMPORA
- LANDSCAPE AREAS, AND TREES.14. QUICK COUPLERS TO BE PLACED EVERY 300 LINEAR FE
- 15. IRRIGATION SHALL BE WINTERIZED THROUGH LOW PRE BLOWOUT CONNECTION THROUGH QUICK COUPLER.
- 16. THE SYSTEM SHALL BE GRAVITY DRAINED. THE CONTR APPROPRIATE MANUAL DRAINS AT LOW POINTS.

	GROUND	COVERS
	* + + + + + + + + + + + + + + + + + + +	CALAMAGROSTIS X ACUTIFLORA 'KARL
	+ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$	FOERSTER'
	+ + + + + + + + + + + + + + + + +	KARL FOERSTER FEATHER REED GRASS
	a a b a a b a a b a a b	CAREX OBNUPTA *
	and the seal	SLOVGH-SERGE
(		MAHONIA REPENS *
$\backslash$		CREEPING MAHONIA
		POLYSTICHUM MUNITUM(* )
		WESTERN SWORD FERN 🗹
		ROCK MULCH MAINTENANCE BAND
	<u>28080008885</u>	1"-2" ROUND ROCK
		RUBUS CALYCINOIDES 'EMERALD CARPET'
	AAAAA	EMERALD CARPET CREEPING BRAMBLE
	$\langle \rangle \rangle \rangle \langle \rangle \rangle \langle \rangle \rangle \rangle$	SUŇMĂRK SĚEDŠ – ŇAŤIVĚ EČOTŮRF *
		FESTUCA RUBRA, BOUTELOUA GRACILIS,
	)/////X	BUCHOLE DACTYLOIDES, KOELERIA MACRANTHA
		IRIFOLIUM FRAGIFERUM
	00000000000000000000000000000000000000	UNDERSTORY BLEND
		50% MAHONIA REPENSE 50% POLYSTICHUM
	2 6 6 6	MUNITUM

	SHEET INDEX		
ONS PRIOR TO COMMENCING	L0.01 LANDSCAPE GENERAL INFORMAT L1.10 PLANTING PLAN EAST L1.11 PLANTING PLAN CENTRAL L1.12 PLANTING PLAN WEST L1.20 MATERIALS AND LAYOUT PLAN	ΓΙΟΝ	
CHITECT IF THERE ARE ANY QUEST LOCATES FOR IN WASHINGTON. F ANY DISCREPANCIES OR	L5.10 SITE DETAILS L5.11 SOIL DETAILS L5.12 IRRIGATION DETAILS L5.13 PLANTING DETAILS L5.14 STREET PLANTING DETAILS		Architecture - Interiors Planning - Engineering
MMENCEMENT OF ANY WORK. THE FIELD BY THE CONTRACTOR	TABLE OF ABBREVIA	TIONS	
R TO ANY WORK COMMENCING. N OF GOODS OR MATERIALS IS EE PROTECTION DETAIL 9/L5.13 STANDARDS ON CONSTRUCTION	ANSI AMERICAN NATIONAL STANDARDS INSTITUTE B&B BALL AND BURLAP CAL CALIPER	GAL GALLON MIX MIXTURE POC POINT OF CONNECTION PVC POLY VINYL CHLORIDE	Portland, OR 503.224.9560 Vancouver, WA
YING, OR OTHER STRUCTURE CTION CONDITIONS. ANY DISRUPTION TO VEHICULAR RK.	SITE INFORMATION JURISDICTION STORMWATER ZONE	PUYALLUP, WA PUYALLUP 2015 ML	360.695.7879 Seattle, WA 206.749.9993 www.mcknze.com
	) SITE AREA	341,226 SF (7,82 AC) 52,676 SF	
2 AREAS TO BE IRRIGATED WITH TEM. PROVIDE LOOP SYSTEM ATION PLANS) TO LANDSCAPE INDICATE HEAD TYPE, GALLONS	A TOTAL LANDSCAPE AREA TOTAL COMPOST AMENDED TOPSOIL (8" E NATIVE PLANT MATERIAL (MIN 50% OF SHRUBS AND GROUND COVE TOTAL SHRUBS NATIVE SHRUBS TOTAL GROUND COVER	DEPTH) 1,301 CY	Client CREF3 PUYALLUP OWNER LLC
LE OF 1"=20' RE AT THE P.O.C. PRIOR TO AND MAXIMUM DEMAND D PROVIDE INFORMATION IN AN	ATIVE GROUND COVER <u>TYPE Ia - BUFFER</u> CONIFER TREES (CLASS III OR IV) BUFFER WIDTH (15 FT MIN) HEDGE (6 FT HT MIN) WALL OR FENCE ALONG PROPERTY LINE	15,370 SF (56.6%) 15' AVERAGE 6' HT MIN	
ALL PERFORM WITHIN THE MANUFACTURERS. RER'S SPECIFIED MINIMUM WATER METER. ITHOUT OVERSPRAY ONTO	BUFFER TYPE Ic - RESIDENTIAL SCREEN TREES (CLASS III OR IV, 45 FT HT MIN) EVERGREEN HEDGE (6 FT HT MIN, 5' OC M WALL (6 FT HT MIN) BUFFER WIDTH (<15 FT)		11611 SAN VICENTE BLVD 10TH FLOOR
OTHER NON-VEGETATED	TYPE Ic - VISUAL BARRIER         TREES (CLASS III OR IV)         EVERGREEN HEDGE (6' HT MIN, 5' OC MAX         BUFFER WIDTH (6' MIN)	() 6 FT HT 6 FT	LOS ANGELES CA 90049
LS UNDER CONCRETE OR HARD ACTURER'S RECOMMENDED E IRRIGATION CONTROLLER. DINT OF CONNECTION AND	TYPE Id - FRONTAGE TREES (CLASS III OR IV, EVERGREEN) EVERGREEN HEDGE (6 FT HT MIN, 5 FT OC BUFFER WIDTH (12 FT MIN) WALL (3 FT HT MIN) BERM (3:1 SLOPE)		Project FORTRESS - PUYALLUP
R. GENERAL CONTRACTOR TO TIVE. ARY AREAS, PERMANENT EET MAX. ESSURE, HIGH VOLUME AIR	TYPE IV - INTERNAL PARKING LOT LANDSO OVERALL SITE AREA PAVED AREA LANDSCAPE AREA (10% MIN) PARKING LOT LANDSCAPE AREA TRAILER LANDSCAPE AREA SLD-01 LANDSCAPE AREA TOTAL TREES	341,226 SF (100%) 157,746 SF (100%) 22,051 SF (13.9%) 9,083 SF 3,749 SF 9,219 SF 47 TREES (100%)	240 15TH ST SE PUYALLUP, WA, 98372
ACTOR SHALL PROVIDE	TOTAL CONIFER TREES (50% MIN) TRAILER AREA* PAVED AREA LANDSCAPE AREA (10% MIN) *IN LIEU OF PROVIDING ISLANDS WITHI EQUIVALENT AREA OF LANDSCAPE IS F TRAILER AREA.		COLE R. FERRE
	SLD-01 BLANK WALL LANDSCAPING		LANDSCAPE ARS
	BLANK WALL SCREEN MITIGATION STAFF IS SUPPORTIVE OF REDUCING THE ALONG THE SOUTH SIDE OF THE BUILDING THE FORM OF CU-STRUCTURAL SOIL IN A THAT WHICH WOULD HAVE BEEN PROVIDE HAD BEEN INSTALLED.	G DEPENDENT UPON MITIGATION IN TOTAL SOIL VOLUME EQUAL TO	MACKENZIE 2024 ALL RIGHTS RESERVED THESE DRAWINGS ARE THE PROPERTY O MACKENZIE AND ARE NOT TO BE USED OR REPRODUCED IN ANY MANNER, WITHOUT PRIOR WRITTEN PERMISSION
	MITIGATION LENGTH STANDARD SOIL VOLUME (15' WIDE PLANTER X 8" DEPTH TOPSOIL MITIGATION SOIL VOLUME	550 LF 204 CY OF SOIL X 550 LF) 217 CY OF SOIL	REVISION SCHEDULE         Delta       Issued As       Issue Date         1       PLAN CHECK       12/07/2023
	(7' WIDE PLANTER X 8" DEPTH TOPSOIL X (3' WIDE CU STRUCTURAL SOIL X 24" DEF LOADING AREA BUFFER	(550 LF) 95 CY OF SOIL	2 PLAN CHECK 02/28/2024
	PER PMC 20.26.400(3) & 20.26.500(1) TREES (1 PER 15') SHRUBS (6' HT MIN)	1 TREE 6' FT HT	
			SHEET TITLE: LANDSCAPE GENERAL
	" o.c. 1,509 SF Planni block of	e City of Puyallup ng Division Approval on all landscape sheets. pg 37]	INFORMATION
1 GAL. 18	" o.c. 1,758 SF " o.c. ( 3,513 SF	al block added to scape sheets.	DRAWN BY: LJM CHECKED BY:NRF
	( 1,347 SF		SHEET:

> 10,281 SF

3,231 SF

6,327 SF

18" o.c.

24" o.c.

GAL.

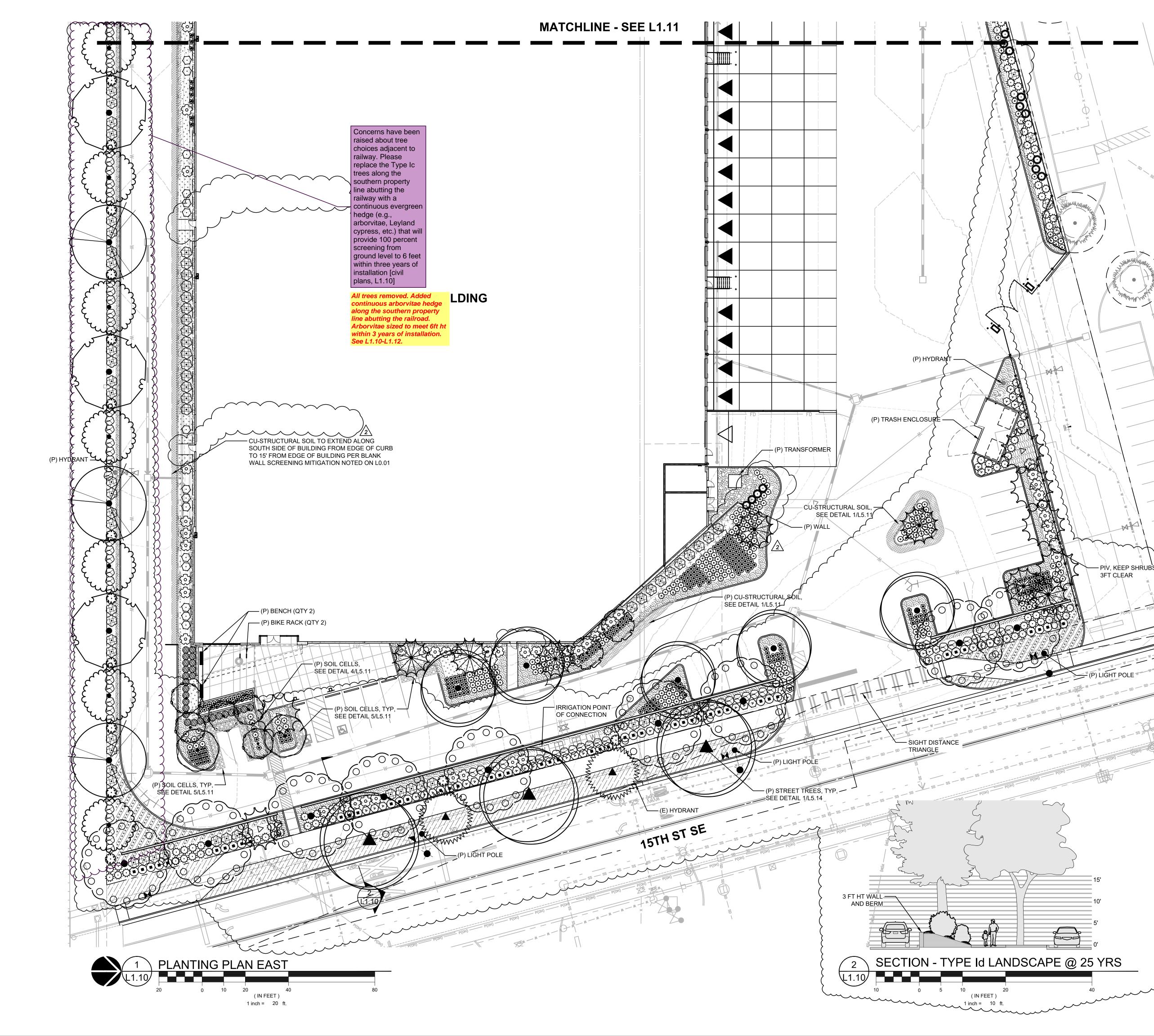
1 GAL.

BLBS/1000SF

JOB NO. **2220290.00** 

1

CIVIL PERMIT 12/07/2023 222029000\DRAWINGS\LANDSCAPE\290-L0.01.DWG:L0.01 NRF 02/29/24 17:40 1:1.00





A MINIMUM OF EIGHT (8") INCHES OF TOP SOIL, CONTAINING TEN PERCENT DRY WEIGHT IN PLANTING BEDS, AND 5% ORGANIC MATTER CONTENT IN TURF AREAS, AND A PH FROM 6.0 TO 8.0 OR MATCHING THE pH OF THE ORIGINAL UNDISTURBED SOIL. THE TOPSOIL LAYER SHALL HAVE A MINIMUM DEPTH OF EIGHT INCHES (8") EXCEPT WHERE TREE ROOTS LIMIT THE DEPTH OF INCORPORATION OF AMENDMENTS NEEDED TO MEET THE CRITERIA. SUB SOILS BELOW THE TOPSOIL LAYER SHOULD BE SCARIFIED AT LEAST 6 INCHES WITH SOME INCORPORATION OF THE UPPER MATERIAL TO AVOID STRATIFIED LAYERS, WHERE FEASIBLE. INSTALLATION OF THE EIGHT INCHES (8") OF TOP SOIL, AS DESCRIBED ABOVE, SHALL GENERALLY BE ACHIEVED BY PLACING FIVE INCHES (5") OF IMPORTED SANDY-LOAM TOP SOIL INTO PLANNED LANDSCAPE AREAS (SUB-BASE SCARIFIED FOUR INCHES (4") WITH A THREE-INCH (3") LAYER OF COMPOST TILLED INTO THE ENTIRE DEPTH.

ALL EXISTING TREES, PLANTS, AND ROOTS SHALL BE PROTECTED FROM DAMAGE FROM ANY CONSTRUCTION PREPARATION, REMOVAL OR INSTALLATION ACTIVITIES WITHIN AND ADJACENT TO PROJECT LIMITS.

SHRUBS ADJACENT TO PARKING AREAS SHALL BE PLANTED 2 FT MINIMUM AWAY FROM THE BACK OF CURB. SHRUBS AND GROUNDCOVER ALONG OTHER PAVEMENT EDGES SHALL BE PLANTED A MINIMUM OF ONE HALF THEIR ON CENTER SPACING AWAY FROM PAVEMENT EDGE.

ALL PLANT MATERIAL SHALL BE HEALTHY NURSERY STOCK, WELL BRANCHED AND ROOTED, FULL FOLIAGE, FREE FROM INSECTS, DISEASES, WEEDS, WEED ROT, INJURIES AND DEFECTS WITH NO LESS THAN MINIMUMS SPECIFIED IN AMERICAN STANDARDS FOR NURSERY STOCK, ANSI Z60.1-2004.TREES IN THE RIGHT OF WAY SHALL BE TALL ENOUGH TO BE LIMBED UP TO AT LEAST 7 FT ABOVE FINISHED GRADE OF SIDEWALK ABUTTING PLANTING AREA WHILE MAINTAINING ENOUGH BRANCHES TO SUPPORT HEALTHY GROWTH. AS THE TREE GROWS, MAINTAIN BRANCHES OVERREACHING THE FINISHED GRADE OF PUBLIC STREETS AT A HEIGHT OF 14 FT MIN.

DO NOT PLANT TREES ABOVE WATERLINES, UTILITIES, OR OTHER UNDERGROUND PIPING.

IF DISTURBANCE IS NECESSARY AROUND EXISTING TREES, CONTRACTOR SHALL PROTECT THE CROWN AND ALL WORK WITHIN THE TREE DRIPZONE SHALL BE LIMITED TO THE USE OF HAND TOOLS AND MANUAL EQUIPMENT ONLY.

REPLACE, REPAIR AND RESTORE DISTURBED LANDSCAPE AREAS DUE TO GRADING, TRENCHING OR OTHER REASONS TO PRE-CONSTRUCTION CONDITION AND PROVIDE MATERIAL APPROVED BY THE OWNER AND OWNER'S REPRESENTATIVE.

EXISTING AREAS PROPOSED FOR NEW PLANT MATERIAL SHALL BE CLEARED AND LEGALLY DISPOSED UNLESS SO NOTED.

A SOILS ANALYSIS, BY AN INDEPENDENT SOILS TESTING LABORATORY RECOGNIZED BY THE STATE DEPARTMENT OF AGRICULTURE, SHALL BE USED TO RECOMMEND AN APPROPRIATE PLANTING SOIL AND/OR SPECIFIED SOIL AMENDMENTS.

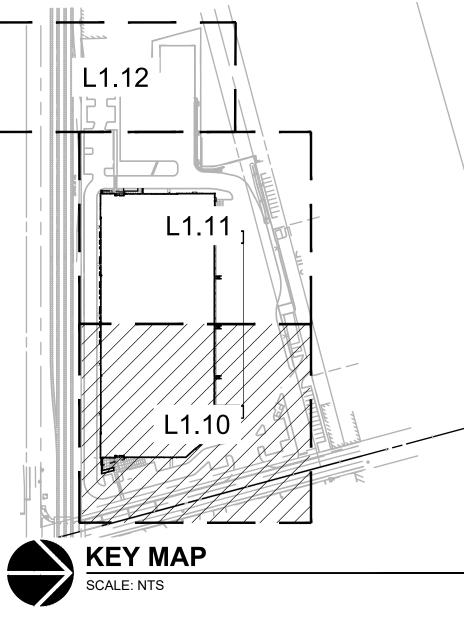
TOPSOIL SHALL BE AMENDED AS RECOMMENDED BY AN INDEPENDENT SOILS TESTING LABORATORY AND AS OUTLINED IN THE SPECIFICATION.

ALL PLANTING AREAS SHALL BE MULCHED WITH A UNIFORM FOUR (4") INCH LAYER OF ORGANIC COMPOST MULCH MATERIAL OR WOOD CHIPS OVER A PROPERLY CLEANED, AMENDED AND GRADED SUBSURFACE.



10.

- PLANT SIZE, SPACING, AND QUANTITY, SEE PLANT SCHEDULE L0.01 EXISTING TREE TO REMAIN. DO NOT DISTURB. PROTECT IN PLACE. PROPOSED UTILITY BOX. AVOID PLANTING WITHIN DEFINED ACCESS ZONE.
- CAREFULLY EXCAVATE SHRUB PITS IN VICINITY OF EXISTING TREES, WITHOUT DISTURBING TREE ROOTS. COORDINATE SHRUB LAYOUT WITH EXISTING UTILITIES, REPORT
- CONFLICTS TO LANDSCAPE ARCHITECT.





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Client CREF3 PUYALLUP OWNER LLC

11611 SAN VICENTE BLVD 10TH FLOOR LOS ANGELES CA 90049

Project FORTRESS -PUYALLUP

> 240 15TH ST SE PUYALLUP, WA, 98372



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REVISION SCHEDULE		
Delta	Issued As	Issue Date
1	PLAN CHECK	12/07/2023
2	PLAN CHECK	02/28/2024

SHEET TITLE: PLANTING PLAN

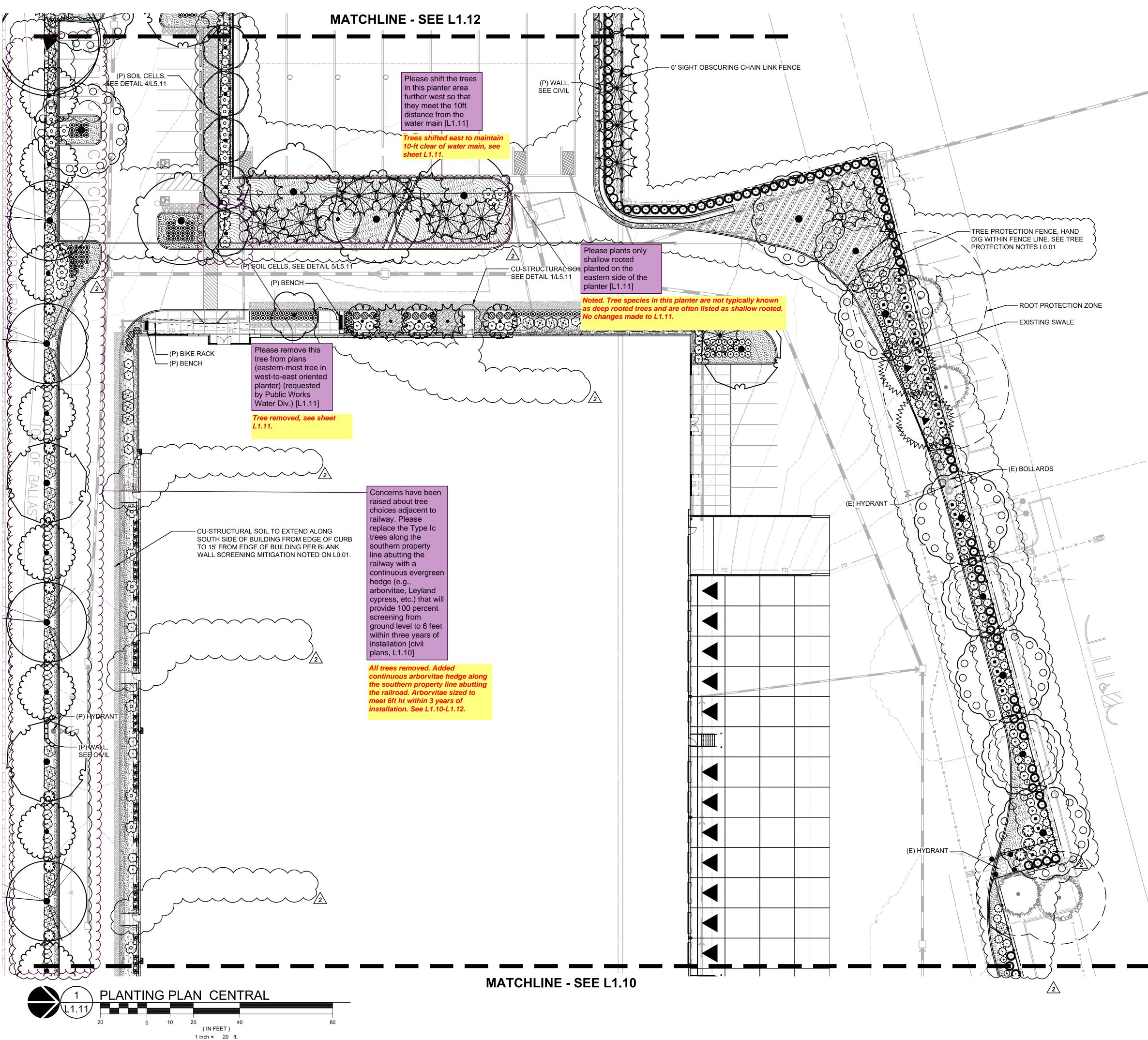
EAST

### DRAWN BY: LJM

CHECKED BY:NRF



JOB NO. **2220290.00** 





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Client **CREF3 PUYALLUP OWNER LLC** 

#### 11611 SAN VICENTE BLVD 10TH FLOOR LOS ANGELES CA 90049

#### Project FORTRESS -PUYALLUP

240 15TH ST SE PUYALLUP, WA, 98372



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REVISION SCHEDULE			
Delta	Issued As	Issue Date	
1	PLAN CHECK	12/07/2023	
2	PLAN CHECK	02/28/2024	

#### SHEET TITLE: PLANTING PLAN CENTRAL

DRAWN BY: LJM, AEZ, JWT

CHECKED BY:NRF

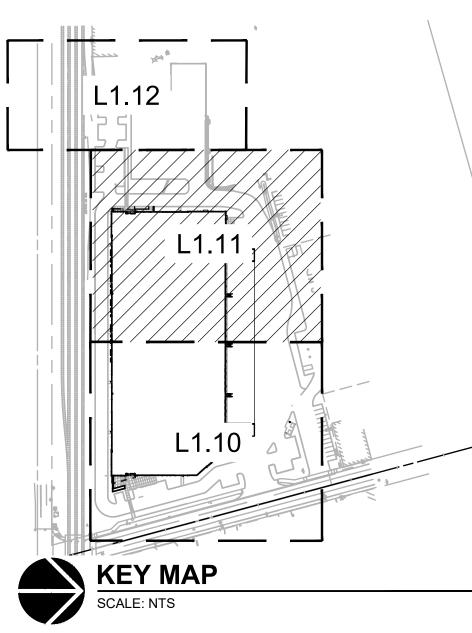
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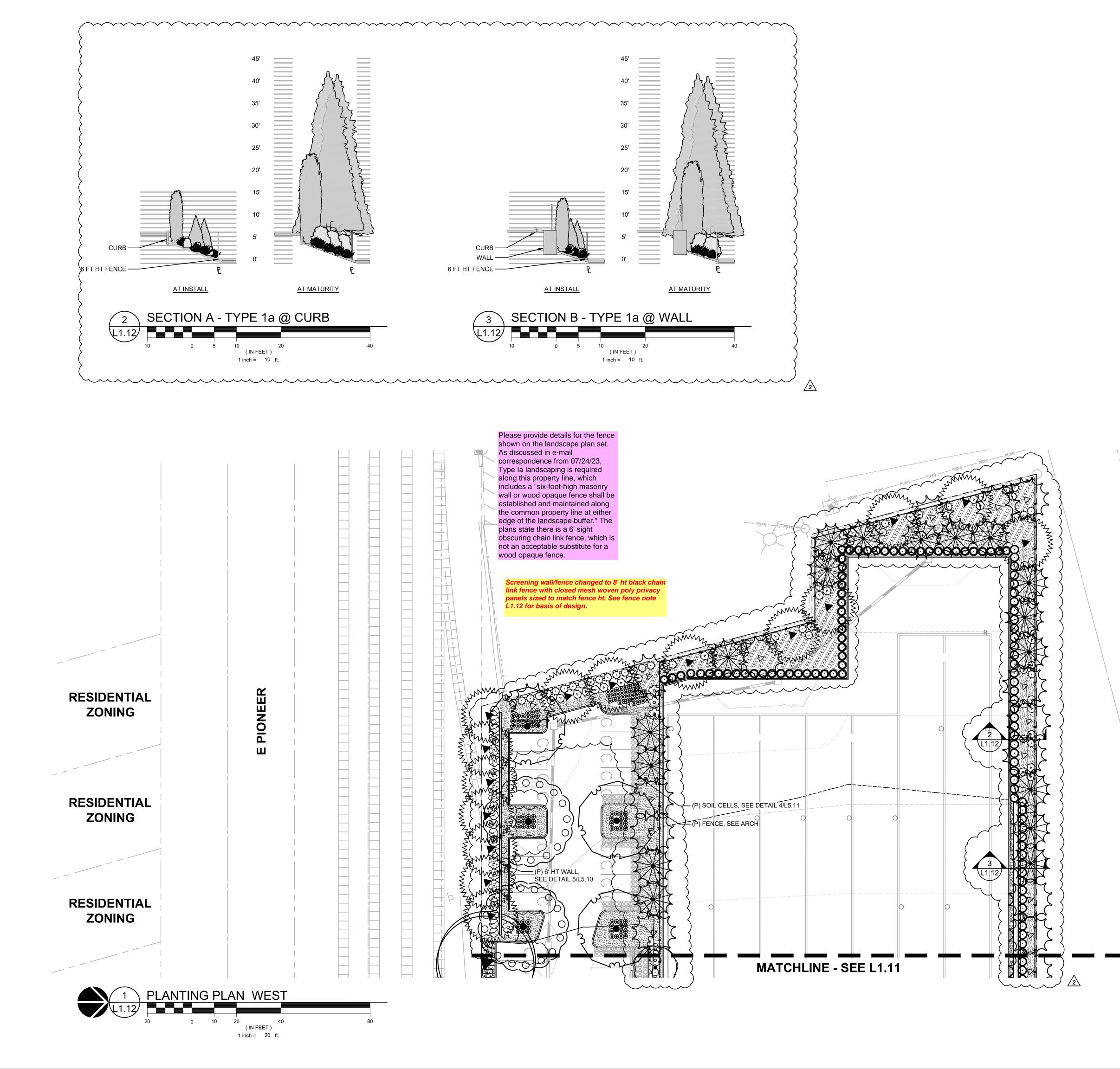


## **REFERENCE NOTES**

- 1. PLANT SIZE, SPACING, AND QUANTITY, SEE PLANT SCHEDULE L0.01 EXISTING TREE TO REMAIN. DO NOT DISTURB. PROTECT IN PLACE. 3. PROPOSED UTILITY BOX. AVOID PLANTING WITHIN DEFINED
- ACCESS ZONE. 4. CAREFULLY EXCAVATE SHRUB PITS IN VICINITY OF EXISTING
- TREES, WITHOUT DISTURBING TREE ROOTS.5. COORDINATE SHRUB LAYOUT WITH EXISTING UTILITIES, REPORT CONFLICTS TO LANDSCAPE ARCHITECT.



**CIVIL PERMIT 12/07/2023** 01.DWG:L1.11 CAH 02/15/24 16:43 1:1.00





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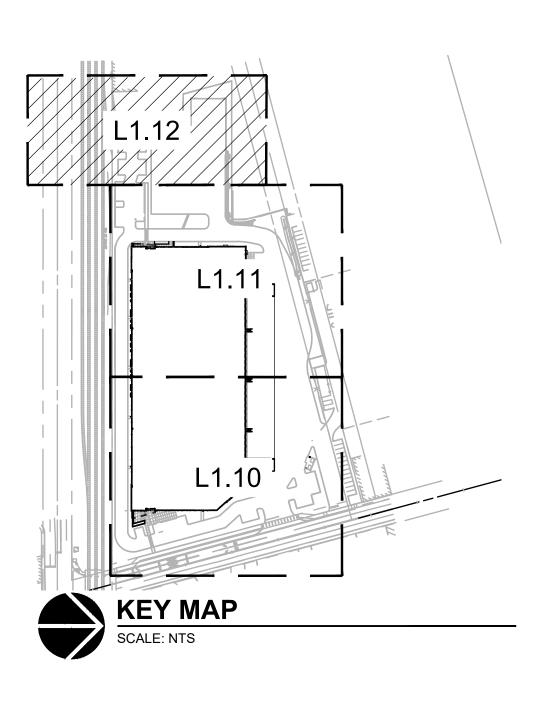
Project FORTRESS -PUYALLUP

> 240 15TH ST SE PUYALLUP, WA, 98372



## **REFERENCE NOTES**

 PLANT SIZE, SPACING, AND QUANTITY, SEE PLANT SCHEDULE L0.01
 COORDINATE SHRUB LAYOUT WITH EXISTING UTILITIES, REPORT CONFLICTS TO LANDSCAPE ARCHITECT.



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REVISION SCHEDULE			
Delta	Issued As	Issue Date	
2	PLAN CHECK	02/28/2024	

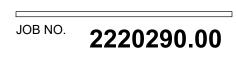
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DRAWN BY: LJM, JWT

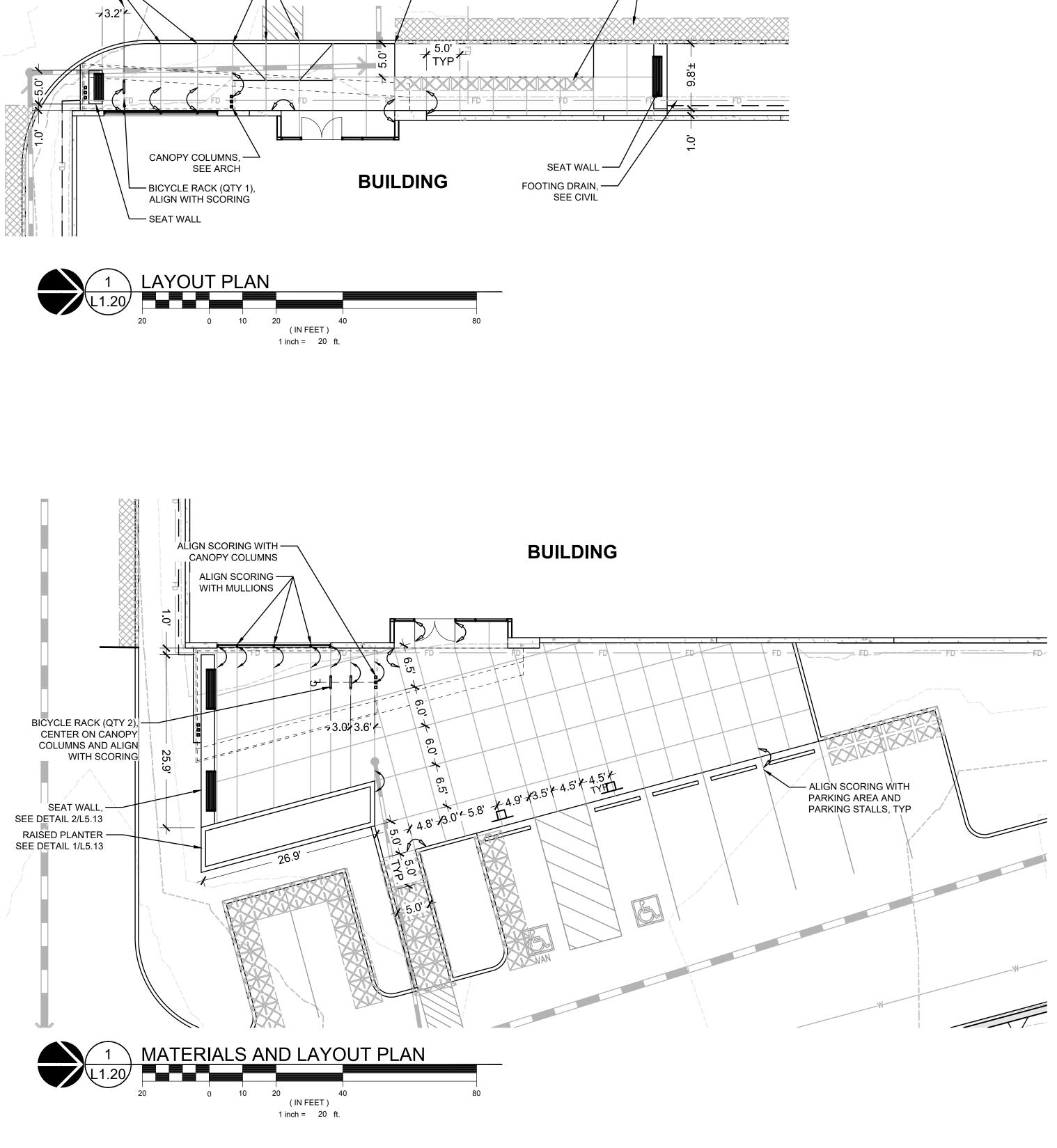
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L1.12



#### CIVIL PERMIT 12/07/2023 222029000\DRAWINGS\LANDSCAPE\290-L0.01.DWG:L1.12 NRF 03/04/24 14:07 1:1.00



----- ALIGN PLANTER AND

SCORING WITH BUILDING

ALIGN SCORING — WITH MULLIONS

ALIGN SCORING WITH

CANOPY COLUMNS

AND RAMP



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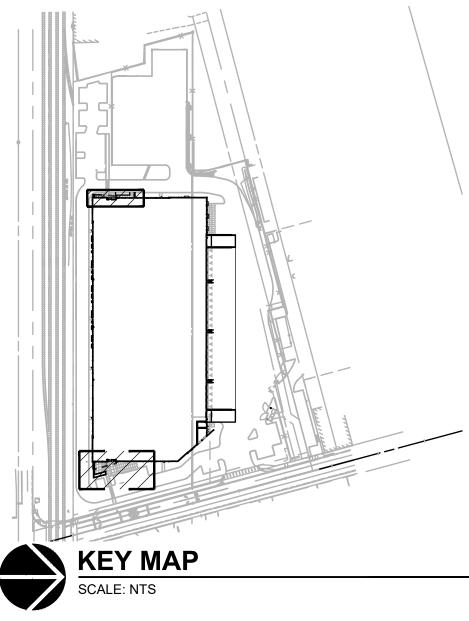
#### Project FORTRESS -PUYALLUP

240 15TH ST SE PUYALLUP, WA, 98372



## **REFERENCE NOTES**

- 1. PLANT SIZE, SPACING, AND QUANTITY, SEE PLANT SCHEDULE L0.01 EXISTING TREE TO REMAIN. DO NOT DISTURB. PROTECT IN PLACE.
- 3. PROPOSED UTILITY BOX. AVOID PLANTING WITHIN DEFINED ACCESS ZONE.
- CAREFULLY EXCAVATE SHRUB PITS IN VICINITY OF EXISTING TREES, WITHOUT DISTURBING TREE ROOTS.
   COORDINATE SHRUB LAYOUT WITH EXISTING UTILITIES, REPORT CONFLICTS TO LANDSCAPE ARCHITECT.



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REVISION SCHEDULE			
Delta	Issued As	Issue Date	
1	PLAN CHECK	12/07/2023	

### SHEET TITLE: LAYOUT AND MATERIALS PLAN

DRAWN BY: AEZ, JWT

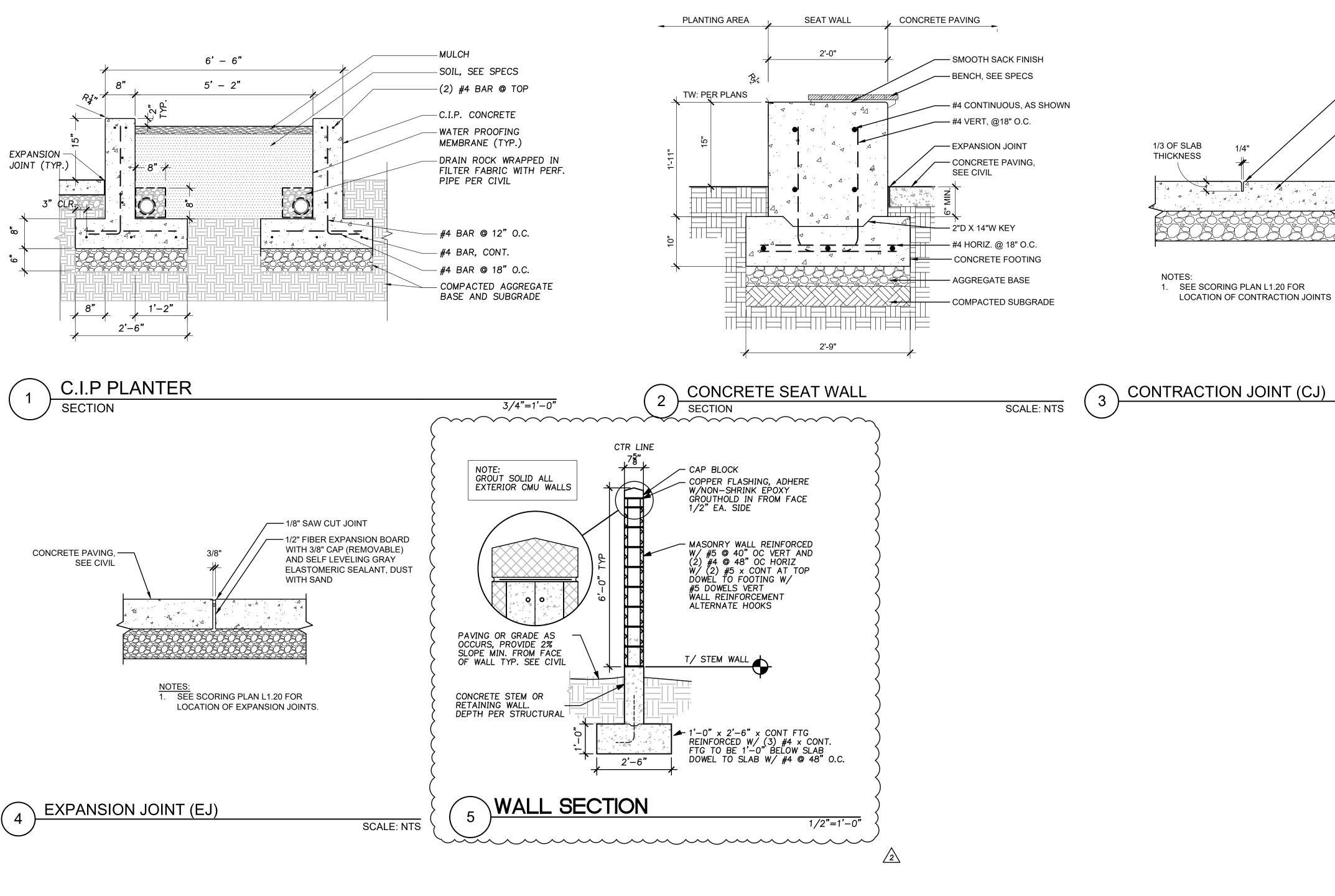
CHECKED BY:NRF SHEET:

L1.20

JOB NO. **2220290.00** 

1

#### 01.DWG:L1.20 CAH 02/07/24 11:51 1:1.00





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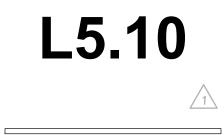
<b>REVISION SCHEDULE</b>			
Delta	Issued As	Issue Date	
1	PLAN CHECK	12/07/2023	
2	PLAN CHECK	02/28/2024	

SHEET TITLE: SITE DETAILS

DRAWN BY: LJM

CHECKED BY:NRF

SHEET:

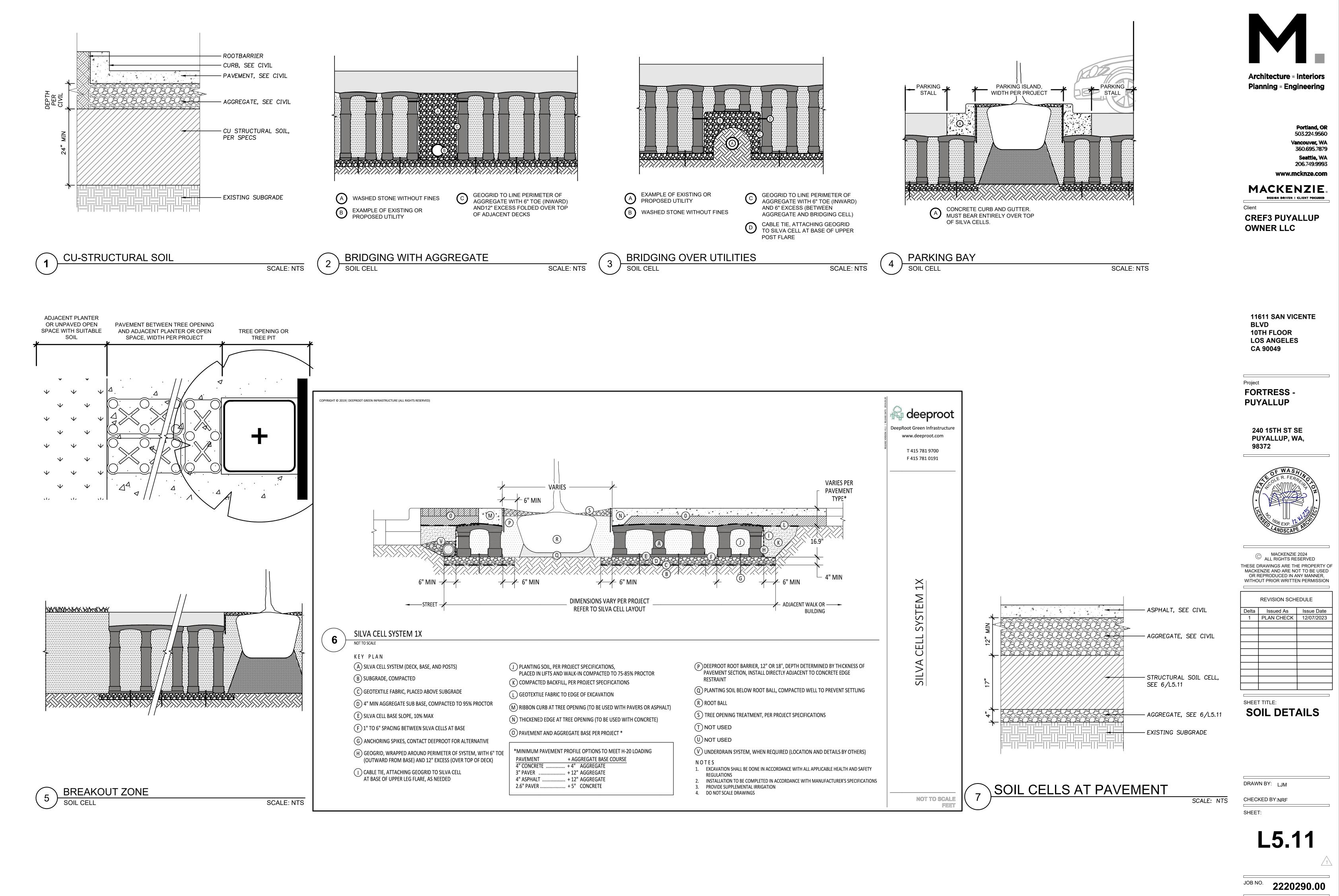


JOB NO. 2220290.00

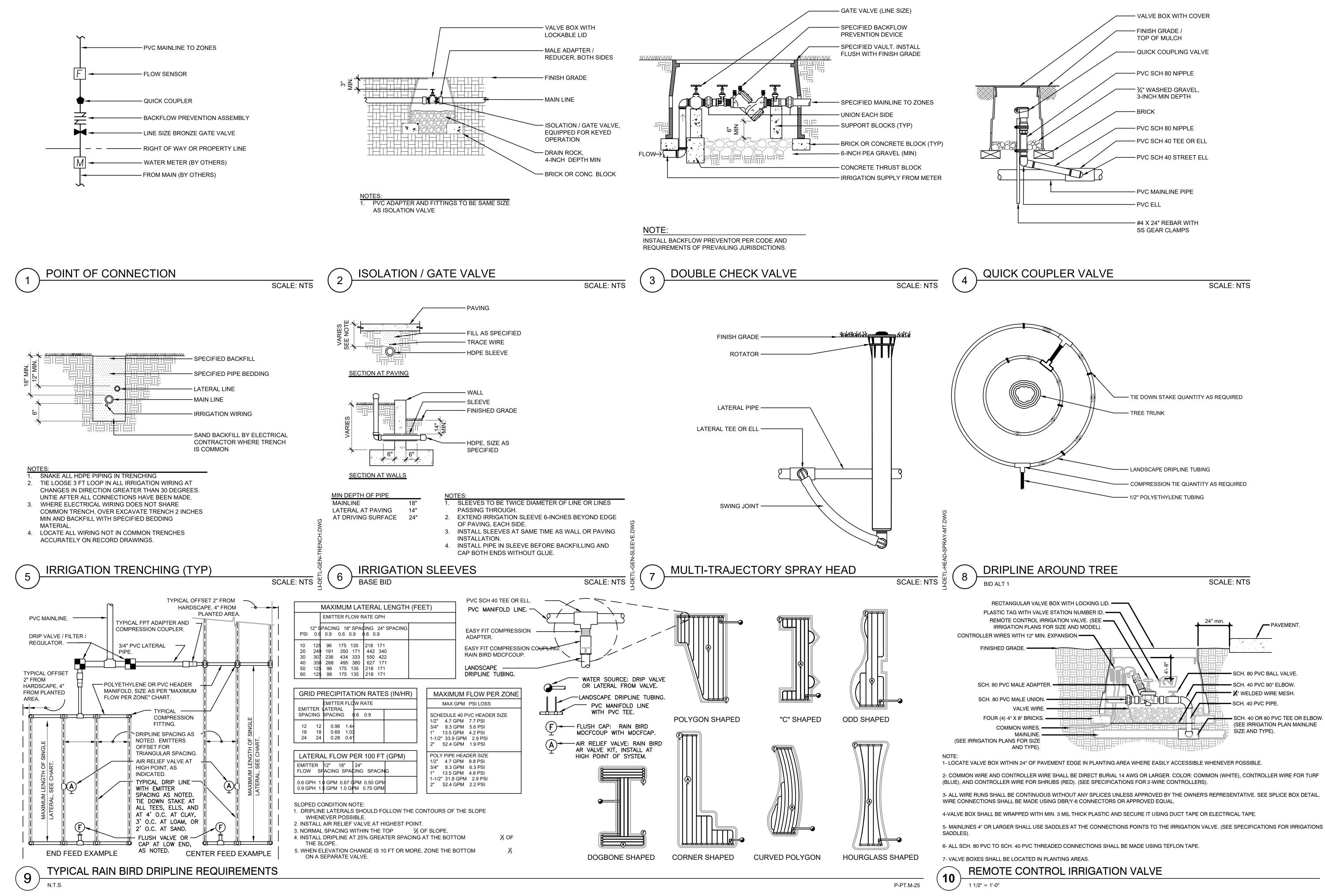
**CIVIL PERMIT 12/07/2023** L0.01.DWG:L5.10 NRF 03/04/24 14:44 1:1.00

— 1/8" SAW CUT JOINT - CONCRETE PAVING, SEE CIVIL *Δ* .... 4 

SCALE: NTS



**CIVIL PERMIT 12/07/2023** DWG:L5.11 JWT 02/21/24 08:50 1:1.00 *222029000* \\GRP.MCK\P





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Client **CREF3 PUYALLUP OWNER LLC** 

#### 11611 SAN VICENTE BLVD **10TH FLOOR** LOS ANGELES CA 90049

#### Project FORTRESS -PUYALLUP

240 15TH ST SE PUYALLUP, WA, 98372



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	REVISION SCHEDULE		
Delta	Issued As	Issue Date	
1	PLAN CHECK	12/07/2023	

#### SHEET TITLE: IRRIGATION DETAILS

DRAWN BY: LJM

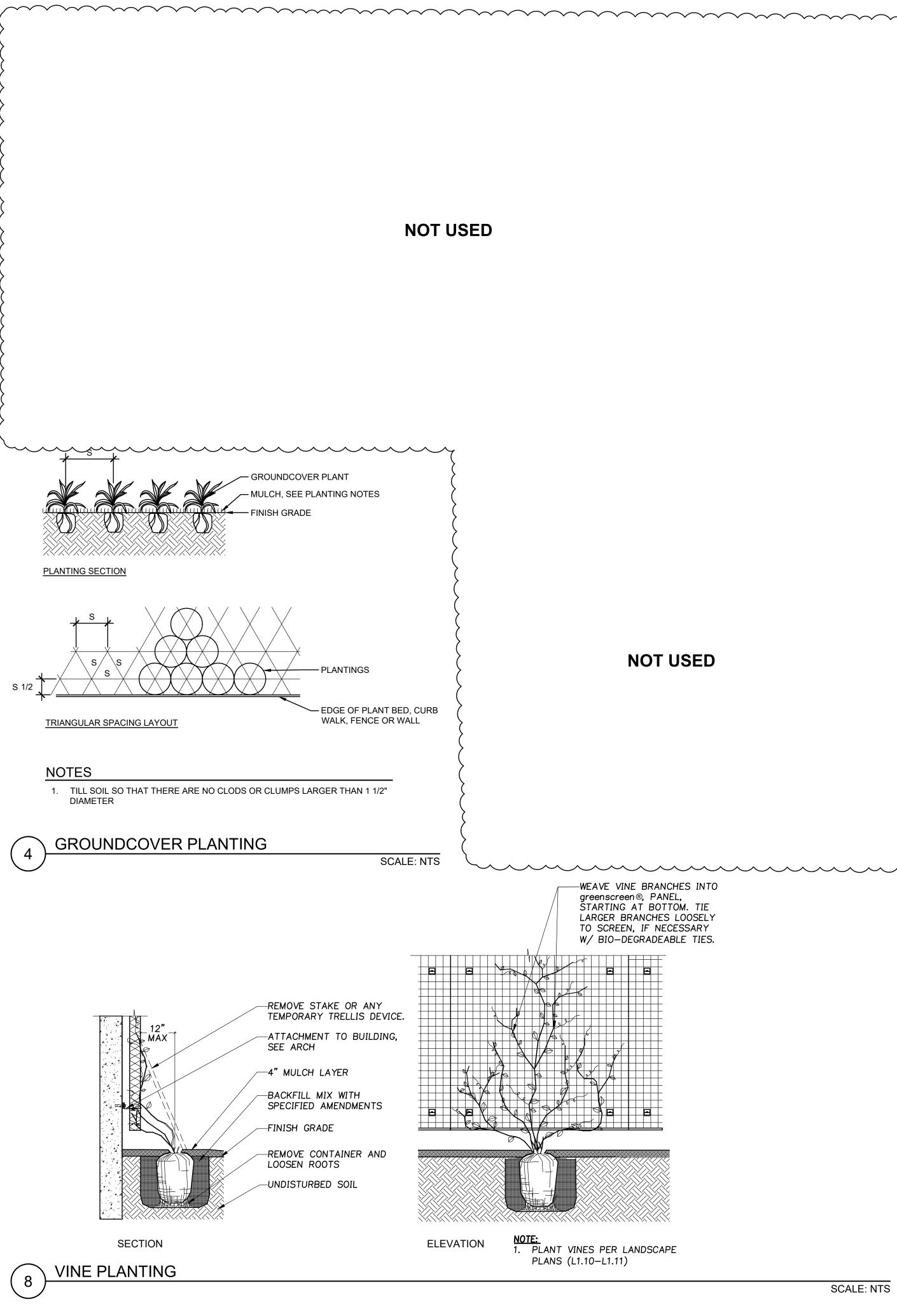
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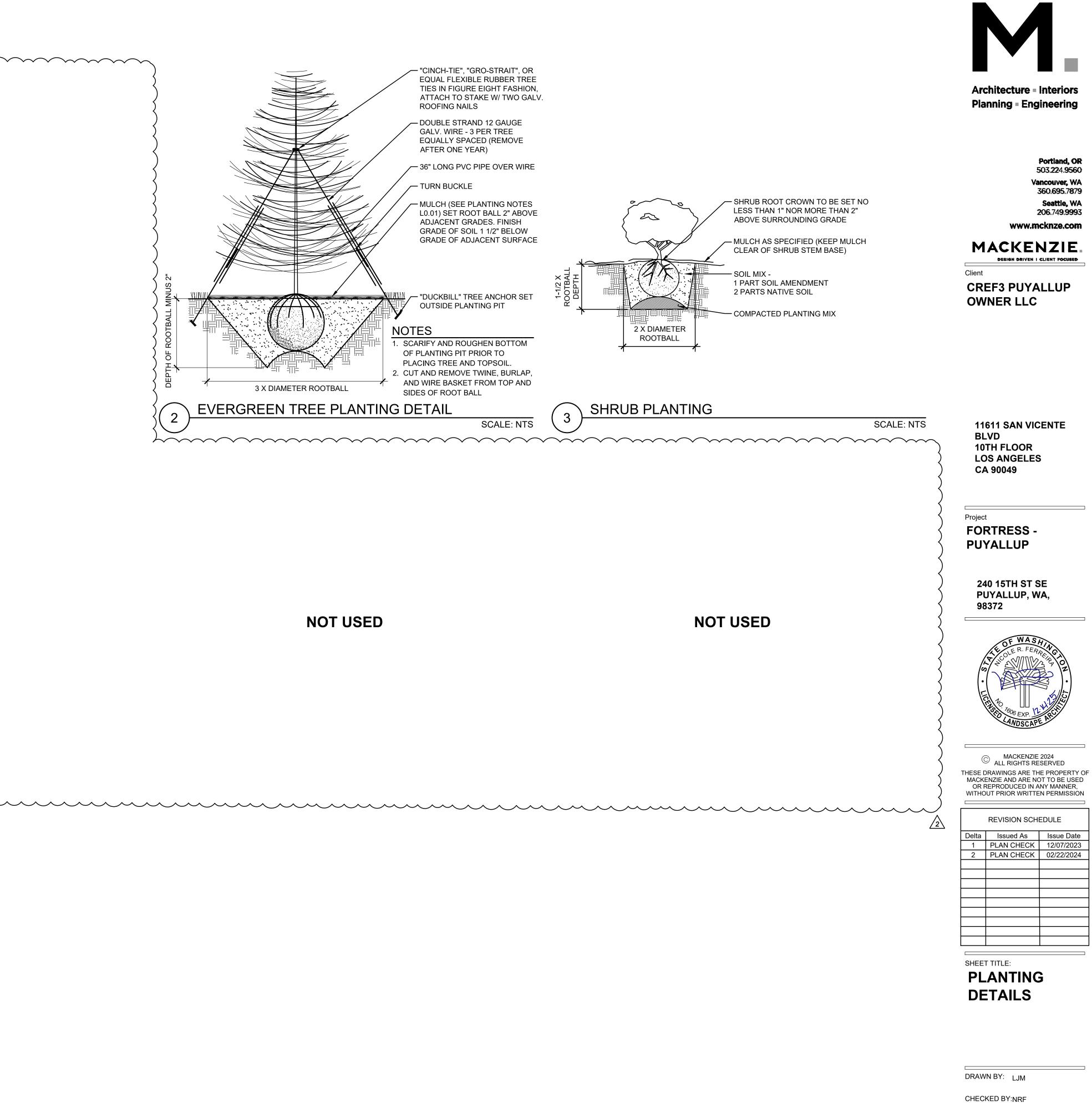
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**CIVIL PERMIT 12/07/2023** DWG:L5.12 NRF 02/15/24 18:24 1:1.00



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**NOT USED** 

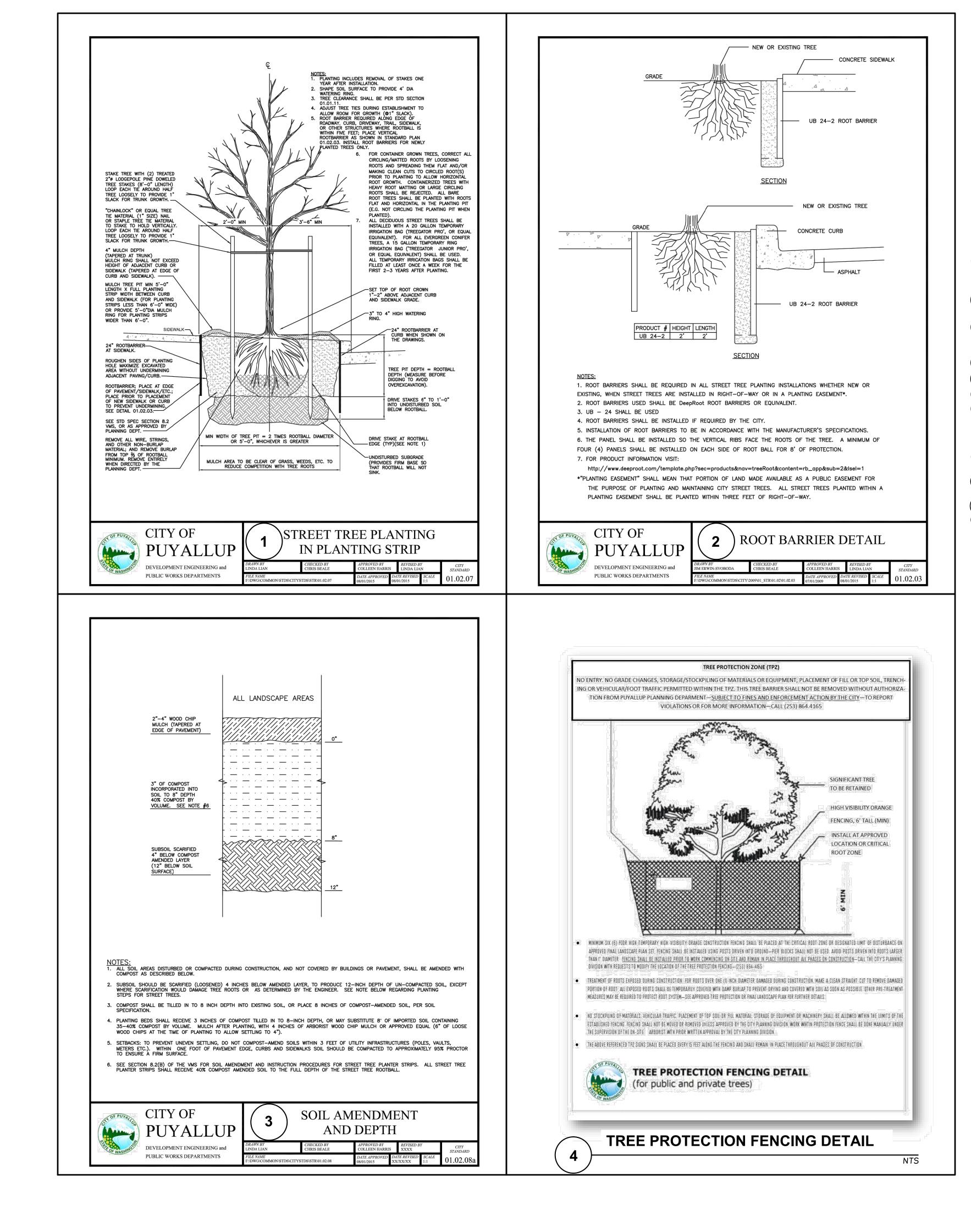


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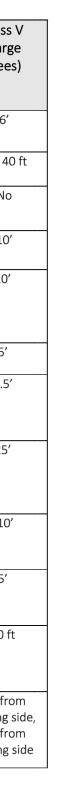
> L5.13 1

JOB NO. 2220290.00

**CIVIL PERMIT 12/07/2023** L0.01.DWG:L5.13 AB 02/16/24 15:07 1:1.00



Criteria	Class I (Overhead Utility Street Trees)	Class II (Narrow Trees)	Class III (Medium Trees)	
Minimum planter strip width	4'	4'	5′	
On-center spacing standards	20 - 25 ft	20 - 25 ft	25 - 35 ft	
Plant under overhead utility lines?	Yes	No	No	
Planting distance from buildings	7.5′	7.5′	10'	
Distance from utility and street light poles	10'	10′	10'	
Distance from fire hydrants	5′	5'	5′	
Distance from driveway (measured from the outer edge of driveway paving)	7.5'	7.5′	7.5′	
Distance from stop light signal poles	15'	15′	20'	
Distance from underground water, sanitary sewer or storm sewer lines	10'	10'	10'	
Distance from underground gas, power or other conduit	3′	3'	3'	
Minimum distance from intersection (as measured from the face of curb line corner at intersection)	30 ft	30 ft	30 ft	
Minimum distances from street signs (excluding parking signs)	30' from leading side, 10' from trailing side	30' from leading side, 10' from trailing side	30' from leading side, 10' from trailing side	le tr



## VEGETATION MANAGEMENT STANDARDS (2022

**8.2. SOIL QUANTITY AND QUALITY STANDARDS** ALL SOILS IN ALL LANDSCAPE INSTALLATIONS SHALL CONFORM TO THE FOLLOWING SOIL DEPTH AND QUALITY REQUIREMENTS. PLEASE REFER TO THE APPENDIX 20.9 FOR FURTHER INSTALLATION GUIDANCE:

A. A MINIMUM OF EIGHT (8) INCHES OF TOPSOIL, CONTAINING ORGANIC MATTER AT TEN (10) PERCENT DRY WEIGHT IN PLANTING BEDS, AND FIVE (5) PERCENT DRY WEIGHT IN TURF AREAS, AND A pH FROM 6.0 TO 8.0 OR MATCHING THE pH OF THE ORIGINAL UNDISTURBED SOIL. THE TOPSOIL LAYER SHALL HAVE A MINIMUM DEPTH OF EIGHT (8) INCHES EXCEPT WHERE TREE ROOTS LIMIT THE DEPTH OF INCORPORATION OF AMENDMENTS NEED TO MEET THE CRITERIA. SUBSOILS BLOW THE TOPSOIL LAYER SHOULD BE SCARIFIED AT LEAST SIX (6) INCHES WITH SOME INCORPORATION OF THE UPPER MATERIAL TO AVOID STRATIFIED LAYERS, WHERE FEASIBLE. INSTALLATION OF THE EIGHT (8) INCHES OF TOPSOIL, AS DESCRIBED ABOVE, SHALL GENERALLY BE ACHIEVED BY PLACING FIVE (5) INCHES OF IMPORTED SANDY LOAM TOPSOIL INTO PLANNED LANDSCAPE AREAS (SUB-BASE SCARIFIED FOUR (4) INCHES) WITH A THREE (3) INCH LAYER OF COMPOST TILLED INTO THE ENTIRE DEPTH.

**B. FOR STREET TREES IN THE RIGHT OF WAY PLANTER STRIP**, THE FOLLOWING STANDARDS SHALL APPLY IN RELATION TO SOIL DEPTH, SOIL AMENDMENTS AND INSTALLATION OF NEW STREET TREES. THE FOLLOWING NOTES SHALL BE SHOWN ON THE FACE OF THE PRELIMINARY AND FINAL LANDSCAPE PLAN SHEETS:

1) **FOR NEW CONSTRUCTION**: IN AREAS WHERE A NEW PLANTER STRIP AND STREET TREE SHALL BE ESTABLISHED OR RECONSTRUCTED DUE TO A STREET CONSTRUCTION PROJECT, THE PLANTER STRIP AREA SHALL BE EXCAVATED TO A DEPTH OF TWENTY-FOUR (24) INCHES AND BACKFILLED FOLLOWING THE STANDARD ABOVE TO ACHIEVE A TOPSOIL MIX WITH 40 PERCENT COMPOST BY VOLUME.THE CONTRACTOR OR INSTALLER SHALL:

i. **REVIEW THE CITY STANDARD PLANTING DETAIL** – ALL CONTRACTORS/INSTALLERS ARE REQUIRED TO FOLLOWING CITY STANDARD #01.02.07 (STREET TREE PLANTING) AND #01.02.03 (ROOT BARRIER INSTALLATION). THE CONTRACTOR/INSTALLER SHALL REVIEW THE PLANTING STANDARD DETAIL PRIOR TO INSTALLATION TO UNDERSTAND THE CITY'S REQUIREMENTS. FAILURE TO FOLLOW THE STANDARD MAY RESULT IN REJECTION OF THE WORK BY THE INSPECTOR AND/OR PLANNING DEPARTMENT.

ii. SCHEDULE A FIELD PRE-CONSTRUCTION MEETING - THE CONTRACTOR/INSTALLER SHALL CONTACT THE SITE INSPECTOR AND PLANNING DEPARTMENT FOURTY-EIGHT (48) HOURS IN ADVANCE OF THE INSTALLATION OF STREET TREE(S) FOR A FIELD PRE-CONSTRUCTION MEETING ONSITE TO REVIEW THE APPROVED PLAN SET AND CITY STANDARD DETAILS. IF STREET TREES ARE TO BE INSTALLED OVER A LONGER TIMELINE (SUCH AS A RESIDENTIAL PLAT WHERE TREES MAY BE INSTALLED OVER A MULTI-MONTH PERIOD), THE CONTRACTOR/ INSTALLER SHALL HOLD ONE CONSOLIDATED PRE-CON TO REVIEW PLANS. ALL STREET TREES SHALL BE INSPECTED AFTER PLANTING BY THE PLANNING DEPARTMENT.

iii. **EXCAVATE ALL CONSTRUCTION MATERIALS** - EXCAVATE ALL CONSTRUCTION MATERIALS, REMNANT SOIL, GRAVEL, PIT RUN, CONSTRUCTION DEBRIS, ETC. FROM THE PLANTER STRIP AREA TO A DEPTH OF TWENTY-FOUR (24) INCHES PRIOR TO PLANTING. DISCARD THIS MATERIAL AS THE PLACEMENT OF NEW COMPOST AMENDED TOPSOIL IS REQUIRED.

iv. **PREPARE THE PLANTING STRIP** - AFTER EXCAVATING ALL MATERIALS FROM THE PLANTER STRIP, SCARIFY AND RIP THE SUB-BASE WITH THE TEETH OF A BACKHOE BUCKET (OR OTHER MECHANICAL MEANS OR HAND TOOLS) TO A DEPTH OF 6" WITH MULTIPLE PASSES, 90 DEGREES TO EACH OTHER. PRIOR TO PLANTING THE TREE, RE-COMPACT THE TREE BASE WHERE THE STREET TREE WILL BE PLANTED TO AVOID SETTING OF THE ROOT BALL. AT THIS STAGE, IF THE TREE IS TO BE PLANTED WHEN THE PLANTER STRIP IS BACKFILLED WITH AMENDED TOPSOIL, THE CONTRACTOR/INSTALLER SHOULD MEASURE THE DEPTH OF THE ROOT BALL TO DETERMINE WHEN TO PLACE THE TREE IN THE PIT DURING THE BACKFILLING PROCESS. IF THE ROOT BALL OR ROOT MASS (IN THE CASE OF BARE ROOT TREES) IS LESS THAN 24", THE STREET TREE SHALL BE PLANTED IN A MANNER IN WHICH THE ROOT FLARE IS LEVEL WITH OR AT LEAST 1" ABOVE GRADE AT THE TIME OF FINISHED PLANTING. THIS MAY REQUIRE THE ROOT BALL BE PLACED ON A COMPACTED SUB-BASE OF THE COMPOST AMENDED TOPSOIL AS BACKFILLING IS OCCURRING.

v. **INSTALL ROOT BARRIER PANELS** - AT THIS STAGE THE CONTRACTOR/INSTALLER SHALL PLACE TWENTY-FOUR (24) INCH DEEP ROOT BARRIER PANELS (UB-24) ALONG THE EDGE OF THE SIDEWALK AND CURB LINE FOR A TOTAL OF EIGHT (8) FEET OF LINEAL PROTECTION ALONG EITHER SIDE OF THE PLANTING AREA. THE PANELS SHALL BE INSTALLED PERPENDICULAR TO THE EDGE OF PAVED SURFACE IN ACCORDANCE WITH THE MANUFACTURER'S STANDARDS FOR A 'LINEAR' APPLICATION; THE ROOT BARRIER PANELS SHALL NOT BE INSTALLED IN THE PLANTING PIT AS A 'SURROUND' APPLICATION, UNLESS SPECIFIED ON THE FINAL LANDSCAPE PLANS. THE TOP OF THE ROOT BARRIER PANEL SHALL BE INSTALLED SUCH THAT ONE-HALF INCH OF THE ROOT BARRIER IS ABOVE THE FINISHED GRADE.

vi. **COMPOST AMENDED TOPSOIL REQUIRED** – TOPSOIL SOURCE SHALL BE REVIEWED AND APPROVED DURING THE PRE-CONSTRUCTION MEETING; ALL TOPSOIL SHALL BE A TOP QUALITY SANDY-LOAM MIX, OR EQUIVALENT AS APPROVED BY THE PLANNING DEPARTMENT. THE TOPSOIL SHALL BE AMENDED ON SITE DURING INSTALLATION WITH COMPOST TO ACHIEVE A FORTY(40) PERCENT BY VOLUME TOPSOIL MIX IN THE RIGHT-OF-WAY

PLANTER STRIP. IMPORTED TOPSOIL MAY BE USED BY THE CONTRACTOR IF DATA 'CUT SHEETS' ARE AVAILABLE FROM THE SUPPLIER CERTIFYING COMPOST AMENDMENT EQUALING FORTY (40) PERCENT BY VOLUME USING ONE OF THE APPROVED COMPOST SOURCES BELOW. COMPOST SHALL ONLY BE SOURCED FROM:

- CASCADE COMPOST (ALSO KNOWN AS PREP/LRI) (AVAILABLE THROUGH PIERCE COUNTY RECYCLING, COMPOSTING AND DISPOSAL, 10308 SALES ROAD, TACOMA,WASHINGTON 98499, OR RETAIL/WHOLESALE LANDSCAPE MATERIAL SUPPLIERS)
- TAGRO COMPOST MIX (AVAILABLE THROUGH CITY OF TACOMA, 2201 E. PORTLAND AVENUE, GATE 6, TACOMA, WA, 98421, OR RETAIL/WHOLESALE LANDSCAPE MATERIAL SUPPLIERS)
- CEDAR GROVE COMPOST (AVAILABLE THROUGH CEDAR GROVE COMPOST, 17825 CEDAR GROVE ROAD S.E., MAPLE VALLEY, 98038, OR RETAIL/WHOLESALE LANDSCAPE MATERIAL SUPPLIERS)

vii. **INSTALL AND AMEND TOPSOIL** - TO AVOID STRATIFIED LAYERS, FIRST PLACE SEVEN (7) INCHES OF APPROVED TOPSOIL IN THE PREPARED/SCARIFIED PLANTING STRIP AREA AND MECHANICALLY TILL IN FIVE (5) INCHES OF APPROVED COMPOST; FOLLOW THIS PROCEDURE TWICE TO ACHIEVE THE TOTAL TWENTY-FOUR (24) INCHES TOPSOIL DEPTH. FINISHED GRADE OF TOPSOIL SHOULD BE ONE-HALF INCH BELOW THE EDGE OF SIDEWALK TO ALLOW THE ROOT BARRIER PANEL TO BE PROPERLY INSTALLED ABOVE FINISHED GRADE.

viii. **INSTALL TREE STAKES AND FINISH MULCH** - PLACEMENT OF FOUR (4) INCHES OF WOOD CHIP MULCH, WATER BASIN RINGS, TREE STAKING, AND TEMPORARY IRRIGATION BAGS (WHERE REQUIRED) SHALL FOLLOW CITY STANDARD #01.02.07.

B. THE PROJECT LANDSCAPE ARCHITECT SHALL UTILIZE ONE OF THE DESIGN METHODS OUTLINED IN APPENDIX 20.9 IN INCORPORATING THIS STANDARD. THE LANDSCAPE ARCHITECT SHALL ESTIMATE TOTAL TOPSOIL AND COMPOST IMPORT VOLUMES AND SPECIFY THE TOPSOIL AND COMPOST SOURCE DURING THE FINAL LANDSCAPE PLAN REVIEW. A TOPSOIL DELIVERY TICKET(S), INVOICE(S), OR OTHER PHYSICAL PROOF THAT THE CORRECT QUANTITY AND QUALITY OF TOPSOIL WAS DELIVERED SHALL BE PROVIDED AT THE TIME OF FINAL INSPECTION.



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	REVISION SCHEDULE		
Delta	Issued As	Issue Date	
1	PLAN CHECK	12/07/2023	
2	PLAN CHECK	02/22/2024	

SHEET TITLE:

STREET PLANTING DETAILS

DRAWN BY: LJM

CHECKED BY:NRF



JOB NO. **2220290.00**