AUTOCAD FILE

AN AUTOCAD DRAWING FILE IS AVAILABLE TO ASSIST WITH SITE LAYOUT. PLEASE NOTE THAT ELECTRONIC FILES ARE PROVIDED FOR CONTRACTOR'S CONVENIENCE AND SHALL NOT REPLACE NOR BE USED TO SUBSTITUTE THE CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR PROJECT LAYOUT AND COST FOR ELECTRONIC AUTOCAD FILES.

PHONE: (253) 383-2422 FAX: (253) 383-2572

TOPOGRAPHIC NOTE

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, AHBL 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.

TRENCH NOTE

CHAPTER 49.17 RCW.

IF WORKERS ENTER ANY TRENCH OR OTHER EXCAVATION FOUR OR MORE FEET IN DEPTH THAT DOES NOT MEET THE OPEN PIT REQUIREMENTS OF WSDOT SECTION 2-09.3(3)B, IT SHALL BE SHORED AND CRIBBED. THE CONTRACTOR ALONE SHALL BE RESPONSIBLE FOR WORKER SAFETY AND AHBL ASSUMES NO RESPONSIBILITY. ALL TRENCH SAFETY SYSTEMS SHALL MEET ACCORDING TO CONTRACT DOCUMENTS THE REQUIREMENTS OF THE WASHINGTON INDUSTRIAL SAFETY AND HEALTH ACT,

EARTHWORK DATA

2200 CY

1260 CY

NOTE: THE ABOVE QUANTITIES ARE ESTIMATES ONLY INTENDED

TO THE PERMITTING PROCESS AND ARE NOT INTENDED TO BE

USED BY THE CONTRACTOR FOR BIDDING PURPOSES. THE

CONTRACTOR SHALL MAKE THEIR OWN EARTHWORK

940 CY CUT

APPROX. PROJECT SITE CUT:

APPROX. PROJECT SITE FILL:

DETERMINATION.

APPROX. PROJECT SITE NET:

FILL SPECIFICATION UTILITY NOTE

THE LOCATIONS OF EXISTING FILL MATERIAL SHALL NOT CONTAIN PETROLEUM PRODUCTS, OR SUBSTANCES WHICH ARE HAZARDOUS, DANGEROUS, TOXIC, OR WHICH OTHERWISE VIOLATE ANY STATE, FEDERAL, OR LOCAL LAW, ORDINANCE, CODE, REGULATION, RULE, ORDER, OR STANDARD.

UNDERGROUND UTILITIES ARE APPROXIMATE ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES THAT HAPPEN DUE TO THE CONTRACTOR'S FAILURE TO LOCATE EXACTLY AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. AHBL ASSUMES NO LIABILITY FOR THE LOCATION OF UNDERGROUND

UTILITIES. HORIZONTAL DATUM

WASHINGTON COORDINATE SYSTEM (WCS) - SOUTH ZONE (BASED UPON NAD 83/2011) UTILIZING THE WASHINGTON STATE REFERENCE NETWORK (WSRN) IN DECEMBER OF 2021.

VERTICAL DATUM

NAVD 88 UTILIZING THE WASHINGTON STATE REFERENCE NETWORK (WSRN) IN DECEMBER OF 2021.

ARCHITECT

INTEGRUS ARCHITECTURE 117 SOUTH MAIN STREET, SUITE 100 SEATTLE, WASHINGTON 98104 PH: 206.628.3137 CONTACT: SARA WILDER, AIA

EMAIL: swilder@integrusarch.com **CIVIL ENGINEER:**

AHBL, INC. 2215 NORTH 30TH STREET, SUITE 300 TACOMA, WASHINGTON 98403 PH: 253.383.2422 FAX: 253.383.2572 CONTACT: WILLIAM FIERST, P.E. PRINCIPAL

CIVIL ENGINEER (SEWER PH: 206.428.3588 & WATER):

PH CONSULTING 913 MLK Jr. WAY SUITE A TACOMA, WASHINGTON 98405 PH: 253.864.5865 FAX: 253.297.8645 CONTACT: KEN LAUZEN, P.E. EMAIL: Ken@phtraffic.com

EXISTING LEGEND:

SET NAIL AND WASHER

SET REBAR AND CAP

SIGN AS NOTED

SANITARY SEWER

SANITARY SEWER

STORM MANHOLE

ROOF DRAIN

GAS METER

GAS VALVE

LUMINAIRE

STORM CATCH BASIN

POWER TRANSFORMER

UTILITY POWER POLE

ELECTRICAL VAULT

TELEPHONE RISER

TELEPHONE VAULT

FIRE DEPARTMENT

IRRIGATION CONTROL

POST INDICATOR VALVE

CONNECTION

FIRE HYDRANT

WATER METER

WATER VALVE

WATER VAULT

IRRIGATION BOX

CONIFEROUS TREE

DECIDUOUS TREE

ELECTRICAL LINE

WATER LINE

DRAWING

CONCRETE

ASPHALT

GRASSPAVE

INTERVAL

INTERVAL

PROPERTY /

CONTOUR MAJOR

CONTOUR MINOR

RIGHT-OF-WAY LINE

FENCE

SANITARY SEWER LINE

COMMUNICATIONS LINE

IRRIGATION PER RECORD

STORM LINE

GAS LINE

VALVE

WV

- - W -

___ x ____ x ___ x __

- -XXX-

- - \times \times \times - -

BOLLARD

FLAG POLE

MANHOLE

CLEANOUT

EMAIL: wfierst@ahbl.com

PIERCE COLLEGE PUYALLUP 1601 39TH AVENUE SE PUYALLUP, WA 98374 PH: (253) 964-6729 CONTACT: GUS LIM

1500 JEFFERSON STRET OLYMPIA, WA 98501 PH: (360) 239-7372

CONTACT: CHRISTOPHER GIZZI

3800 WOODLAND PARK AVENUE N TACOMA, WASHINGTON 98103 CONTACT: VINITA SIDHU EMAIL: vinitas@siteworkshop.com

SURVEYOR

ESM CONSULTING ENGINEERS 33400 8TH AVE S, #205 FEDERAL WAY, WA 98003 PH: 253.838.6113

CLIENT

STATE OF WASHINGTON DEPARTMENT OF ENTERPRISE SERVICES

LANDSCAPE ARCHITECT

SITEWORKSHOP

CONTACT: ZACHARY T. LENNON, P.L.S. EMAIL: zack.lennon@esmcivil.com

OF APPROVED PLANS AT THE MEETING.

PROVISION OF SANITARY SEWER SERVICE.

TO AS THE "CITY STANDARDS").

THE DEVELOPER'S EXPENSE.

PER CITY STANDARDS.

AT (360)407-6300.

WATER, AND STORM) OF 5 FEET.

PROFESSIONAL CIVIL ENGINEER.

SHALL BE THE ENGINEER'S RESPONSIBILITY.

CONSTRUCTION.

CITY OF PUYALLUP GENERAL NOTES

1. ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE

THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL

CITY OF PUYALLUP. PRIOR TO ANY WORK COMMENCING, THE GENERAL

CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING AT

CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE APPROVED

ENGINEERING PLANS, REPRESENTATIVES FROM ALL APPLICABLE UTILITY COMPANIES, THE PROJECT OWNER AND APPROPRIATE CITY STAFF.

CONTACT ENGINEERING SERVICES AT (253-841-5568) TO SCHEDULE THE

MEETING. THE CONTRACTOR IS RESPONSIBLE TO HAVE THEIR OWN SET

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

2. AFTER COMPLETION OF ALL ITEMS SHOWN ON THESE PLANS AND

BEFORE ACCEPTANCE OF THE PROJECT THE CONTRACTOR SHALL

OF THE CITY PRIOR TO ACCEPTANCE OF THE WATER SYSTEM AND

3. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE

STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL

TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION,

4. A COPY OF THESE APPROVED PLANS AND APPLICABLE CITY

ANY IMPLEMENTATION IN THE FIELD. THE CITY SHALL NOT BE

SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS.

WASHINGTON STATE CHAPTER, LATEST EDITION, UNLESS SUPERSEDED

OR AMENDED BY THE CITY OF PUYALLUP CITY STANDARDS FOR PUBLIC

WORKS ENGINEERING AND CONSTRUCTION (HEREINAFTER REFERRED

DEVELOPER SPECIFICATIONS AND DETAILS SHALL BE ON SITE DURING

5. ANY REVISIONS MADE TO THESE PLANS MUST BE REVIEWED AND

APPROVED BY THE DEVELOPER'S ENGINEER AND THE CITY PRIOR TO

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

7. ANY STRUCTURE AND/OR OBSTRUCTION THAT REQUIRES REMOVAL

OR RELOCATION RELATING TO THIS PROJECT SHALL BE DONE SO AT

8. LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE. IT SHALL BE

ELEVATIONS AND LOCATIONS OF HIDDEN UTILITIES. ALL VISIBLE ITEMS

SIGNS, AS SHOWN ON THE PLANS OR AS AFFECTED BY CONSTRUCTION,

10. POWER, STREET LIGHT, CABLE, AND TELEPHONE LINES SHALL BE IN A

TRENCH LOCATED WITHIN A 10-FOOT UTILITY EASEMENT ADJACENT TO

9. THE CONTRACTOR SHALL INSTALL, REPLACE, OR RELOCATE ALL

PUBLIC RIGHT-OF-WAY. RIGHT-OF-WAY CROSSINGS SHALL HAVE A

11. ALL CONSTRUCTION SURVEYING FOR EXTENSIONS OF PUBLIC

PROJECT SHALL BE KEPT CLEAN OF ALL MATERIAL DEPOSITS

SHALL BE PROTECTED AS DIRECTED BY THE CITY.

MINIMUM HORIZONTAL SEPARATION FROM OTHER UTILITIES (SEWER,

FACILITIES SHALL BE DONE UNDER THE DIRECTION OF A WASHINGTON

12.DURING CONSTRUCTION, ALL PUBLIC STREETS ADJACENT TO THIS

13. CERTIFIED RECORD DRAWINGS ARE REQUIRED PRIOR TO PROJECT

14. A NPDES STORMWATER GENERAL PERMIT MAY BE REQUIRED BY THE

CONTACT THE DEPARTMENT OF ECOLOGY, SOUTHWEST REGION OFFICE

DEPARTMENT OF ECOLOGY FOR THIS PROJECT. FOR INFORMATION

ASSOCIATED BUFFERS, OR SIGNIFICANT TREES DESIGNATED FOR

THE MITIGATION PLAN SHALL BE AT THE DEVELOPER'S EXPENSE.

ACCORDANCE WITH A MITIGATION PLAN REVIEWED AND APPROVED BY

THE CITY'S PLANNING DIVISION. PREPARATION AND IMPLEMENTATION OF

15. ANY DISTURBANCE OR DAMAGE TO CRITICAL AREAS AND

PRESERVATION AND PROTECTION SHALL BE MITIGATED IN

RESULTING FROM ON-SITE CONSTRUCTION, AND EXISTING STRUCTURES

STATE LICENSED LAND SURVEYOR OR A WASHINGTON STATE LICENSED

THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE TRUE

SPECIFICATIONS"), WASHINGTON STATE DEPARTMENT OF

CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "STANDARD

PUYALLUP PIERCE COLLEGE **PUYALLUP**

VICINITY MAP

ADDRESS PIERCE COLLEGE PUYALLUP PARCEL 0419034018

1601 39TH AVENUE SE PUYALLUP, WA 98374

CONSTRUCTION SEQUENCE

- ARRANGE AND ATTEND A PRE-CONSTRUCTION MEETING WITH CITY OF PUYALLUP AND OBTAIN REQUIRED PERMITS.
- 2. STAKE/FLAG CLEARING AND CONSTRUCTION LIMITS.
- 3. INSTALL CONSTRUCTION ENTRANCE.

SHEET INDEX

- 4. CONSTRUCT ALL TEMPORARY EROSION CONTROL BMPS ACCORDING TO THE TEMPORARY EROSION AND SEDIMENTATION CONTROL (TESC) PLAN. INSTALL INLET SEDIMENT PROTECTION IN EXISTING CATCH BASINS.
- 5. CONSTRUCT PROTECTION DEVICES FOR CRITICAL AREAS AND SIGNIFICANT TREES PROPOSED
- 6. SCHEDULE AN EROSION CONTROL INSPECTION WITH THE CITY OF PUYALLUP.
- 7. DEMOLISH EXISTING SITE FEATURES INDICATED FOR REMOVAL
- 8. MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH CITY OF PUYALLUP STANDARDS AND MANUFACTURER RECOMMENDATIONS.
- ROUGH GRADE AND FILL SITE. ALL GRADING SHALL BE DONE IN CONFORMANCE WITH THE
- 10. CONSTRUCT STORM SYSTEM AND INSTALL INLET SEDIMENT PROTECTION TO NEW BASINS.
- 11. INSTALL ALL REMAINING SITE UTILITIES AND ASSOCIATED INFRASTRUCTURE.
- 12. APPLY EROSION CONTROL MULCH AND SEEDING, STRAW MULCH OR EQUAL, TO AREAS THAT WILL NOT BE BROUGHT TO FINAL GRADE OR PERMANENTLY VEGETATED WITHIN SEVEN DAYS OF EXPOSURE DURING THE DRY SEASON, AND TWO DAYS OF EXPOSURE DURING THE WET SEASON (OCTOBER 1 TO APRIL 30).
- 13. RELOCATE EROSION CONTROL MEASURES OR INSTALL NEW MEASURES SO THAT, AS THE SITE CONDITIONS CHANGE, THE EROSION AND SEDIMENT CONTROL IS ALWAYS IN ACCORDANCE WITH CITY OF PUYALLUP CONSTRUCTION SWPPP MINIMUM REQUIREMENTS.
- 14. FINAL GRADE SITE AND INSTALL FINAL SURFACE TREATMENTS. ENSURE THAT SURFACE WATER IS POSITIVELY DIRECTED TOWARD PROPOSED STORM COLLECTION FACILITIES.
- 15. REMOVE REMAINING TEMPORARY EROSION CONTROL ITEMS ONCE SITE HAS BEEN STABILIZED AND UPON APPROVAL OF THE CITY OF PUYALLUP.

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C2.1	TESC AND DEMOLITION PLAN	
C2.2	TESC AND DEMOLITION PLAN	
C2.3	TESC AND DEMOLITION PLAN	
C2.4	TESC NOTES AND DETAILS	
C2.5	TESC NOTES AND DETAILS	
C3.0	OVERALL GRADING PLAN	
C3.1	GRADING AND DRAINAGE PLAN	
C3.2	GRADING AND DRAINAGE PLAN	
C3.3	GRADING AND DRAINAGE PLAN	
C3.4	SITE SECTIONS	
C3.5	GRADING DETAILS	
C3.6	GRADING DETAILS	
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C5.1	PAVEMENT NOTES AND DETAILS	
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C5.4	STORM DRAINAGE NOTES AND DETAILS	
C5.5	STORM DRAINAGE NOTES AND DETAILS	
C6.1	PROPOSED SANITARY SEWER AND WATER OVERALL PLAN	
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C6.3	PROPOSED SANITARY SEWER MAIN PLAN & PROFILE	
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L5.12	PLANTING PLAN - SOUTH	
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A100	SURVEY EXISTING CONDITIONS - OVERALL	⊢ S

ENGINEERING SERVICES 11/08/2022 NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.

APPROVED Millett fulle CITY OF PUYALLUP

DATE

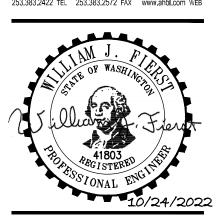
AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE CITY **ENGINEER**

RESPONSIBLE FOR ERRORS

THE CITY WILL NOT BE

City of Puyallup Development & Permitting Service			
	ISSUED PERMIT		
Building	Planning		
Engineering	Public Works		
Fire OF W	Traffic		





BU Z

10/25/22 Job No.: 22135.00 C. HOVDE Drawn By: W. FIERST

Checked by

	Re	visions
#	Date	Description
1	08/19/22	PERMIT RESUBMITTAL
2	10/25/22	PERMIT RESUBMITTAL

COVER SHEET

SITE PERMIT SET

ALTERATION OF THIS DOCUMENT SHALL INVALIDATE THE PROFESSIONAL SEAL AND SIGNATURE. PUBLICATION OF THIS DOCUMENT DOES NOT DEROGATE FROM RESERVED OWNERSHIP RIGHTS IN IT. THIS DOCUMENT IS FOR USE ONLY FOR THE PROJECT IDENTIFIED IN THE TITLE BLOCK AND IS NOT TO BE USED FOR REPAIR, REMODEL OR ADDITION TO THAT PROJECT OR FOR ANY OTHER PROJECT.

TESC AND DEMOLITION NOTES

PROTECT EXISTING UTILITIES TO REMAIN.

SEE SHEET C2.2 FOR CONTINUATION

- 2. SEE EROSION CONTROL DETAILS ON SHEET C2.4. SEE SHEET C2.4 CITY OF PUYALLUP EROSION AND SEDIMENT CONTROL NOTES. SEE SHEET C1.0 FOR CONSTRUCTION SEQUENCE. SEE SHEET C2.3 FOR HYDROSEEDING NOTES.
- 3. INFORMATION PRESENTED IN THIS DRAWING REPRESENTS THE BEST AVAILABLE INFORMATION AT THE TIME OF DESIGN. THIS DRAWING MAY NOT INCLUDE ALL EXISTING UTILITIES, AND THOSE UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. CONTRACTOR SHALL ENSURE THAT ALL UTILITIES HAVE BEEN IDENTIFIED AND LOCATED BEFORE BEGINNING CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER IF ANY INFORMATION PROVIDED, BE IT EXISTING OR PROPOSED, IS BELIEVED TO BE IN ERROR.
- 4. EROSION CONTROL MEASURES SHALL BE PROVIDED IMMEDIATELY AT THE COMMENCEMENT OF CONSTRUCTION. HYDROSEED SHALL BE APPLIED TO ALL DISTURBED AREAS PER HYDROSEED NOTES SHEET C2.3.
- 5. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF ALL DEMOLISHED AND CLEARED MATERIALS. DISPOSE OF ALL ASBESTOS CEMENT PIPING PER WAC REQUIREMENTS.

6. EROSION CONTROL MEASURES ARE NOT LIMITED TO THE ITEMS SHOWN. 7. CLEAR AND GRUB ALL TREES AND VEGETATION WITHIN CLEARING LIMITS. REMOVE ALL BOULDERS AND CONCRETE BLOCKS WITHIN THE CLEARING

IE=522.15

- 8. THE CONTRACTOR SHALL DEMOLISH AND REPLACE IN KIND ALL EXISTING IRRIGATION LINES IMPACTED BY THE WORK. CONTRACTOR SHALL REPLACE
- IRRIGATION HEADS IN KIND.

9. CONTRACTOR SHALL ADJUST ALL EXISTING UTILITIES WITHIN WORK LIMITS

- TO FINISH GRADE.
- 10. PROTECT EXISTING FEATURES WITHIN CLEARING LIMITS TO REMAIN.

11. DEMOLISH ALL DARKER EXISTING FEATURES WITHIN CLEARING LIMITS.

LIGHTER EXISTING FEATURES SHALL BE PROTECTED AND REMAIN.

12. SEE LANDSCAPE PLANS FOR TREE PROTECTION PLAN.

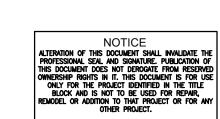
- 13. COORDINATE POWER DEMOLITION WITH UTILITY PURVEYOR AND WILL NOT COMPROMISE POWER TO OTHER AREAS.
- IS PROVIDED TO SITE AND EXISTING STRUCTURES TO REMAIN. CONTRACTOR SHALL ALSO PROVIDE ADEQUATE FIRE PROTECTION FOR THE NEW BUILDING.
- 15. CONTRACTOR SHALL MINIMIZE DUST GENERATION ONSITE BY SPRINKLING
- 17. INLET PROTECTION SHALL BE PROVIDED ON ALL CATCH BASINS WITHIN 500
- 18. AMEND ALL DISTURBED SOILS PER CITY OF PUYALLUP STANDARD DETAIL
- 19. DEMOLITION AND INSTALLATION OF POWER IS NOT REVIEWED/ APPROVED BY THE CITY OF PUYALLUP.

ELECTRICAL PLANS. CONTRACTOR TO ENSURE THAT DEMOLITION OF LINES

14. CONTRACTOR SHALL ENSURE THAT ADEQUATE FIRE PROTECTION ACCESS

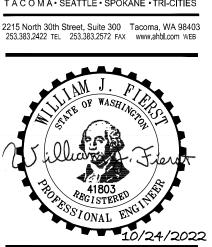
THE SITE WITH WATER UNTIL SURFACE IS WET. SEE BMP C140.

- 16. REMOVE CONCRETE AT THE NEAREST JOINT. DO NOT SAWCUT CONCRETE.
- FEET OF THE PROJECT.
- NO. 01.02.08A. SEE DETAIL 1, SHEET C2.5.



APPROVED

TACOMA·SEATTLE·SPOKANE·TRI-CITIES



0

10/25/22 22135.00 Job No.: C. HOVDE Drawn By: W. FIERST

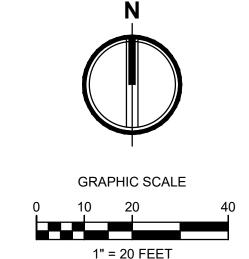
Checked by Revisions # Date Description 08/19/22 RESUBMITTAL 2 10/25/22 PERMIT

TESC AND

DEMOLITION PLAN

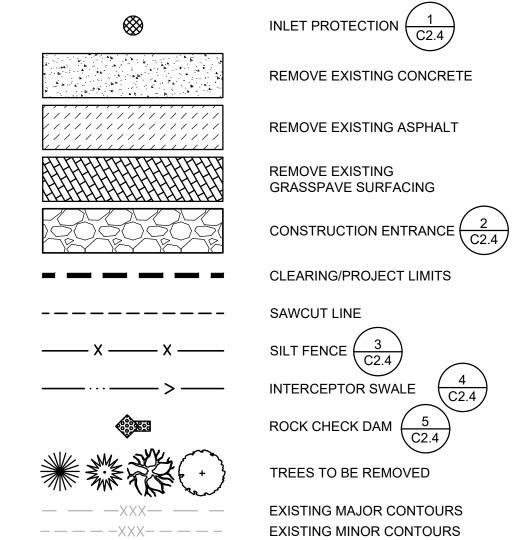
SITE PERMIT SET

RESUBMITTAL



1" = 20 FEET

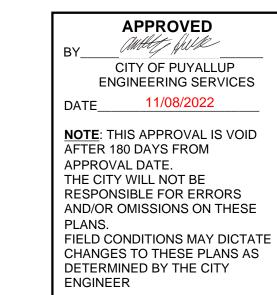
LEGEND:



KEY NOTES:

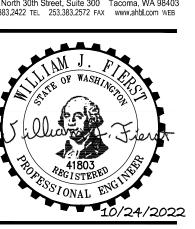
- 1 REMOVE AND REPLACE EXISTING POWER LINE AND LIGHT POLE, TYP. SEE ELECTRICAL PLANS FOR MORE INFORMATION.
- DEMOLISH EXISTING FIELD UNDERDRAIN. RESTORE AS SHOWN ON DRAINAGE PLANS.
- PROTECT EXISTING NORTH ARROW CONCRETE PATTERN.
- 4 DEMOLISH EXISTING CURB.
 - DEMOLISH EXISTING LIT BOLLARDS. SEE ELECTRICAL PLANS FOR MORE INFORMATION.
- REMOVE AND SALVAGE EXISTING BENCHES. RETURN TO OWNER.
- DEMOLISH EXISTING CONCRETE STAIRCASE AND HANDRAIL. REPLACE IN-KIND.
- 8 DEMOLISH EXISTING CONCRETE SEATWALL.
- PROTECT EXISTING CONCRETE SEATWALL.
- 11) PROTECT SIGN.

SEE SHEET C2.1 FOR TESC AND DEMOLITION NOTES



City of Puyallup Development & Permitting Service ISSUED PERMIT		
Building	Planning	
Engineering	Public Works	
Fire OF W	Traffic	



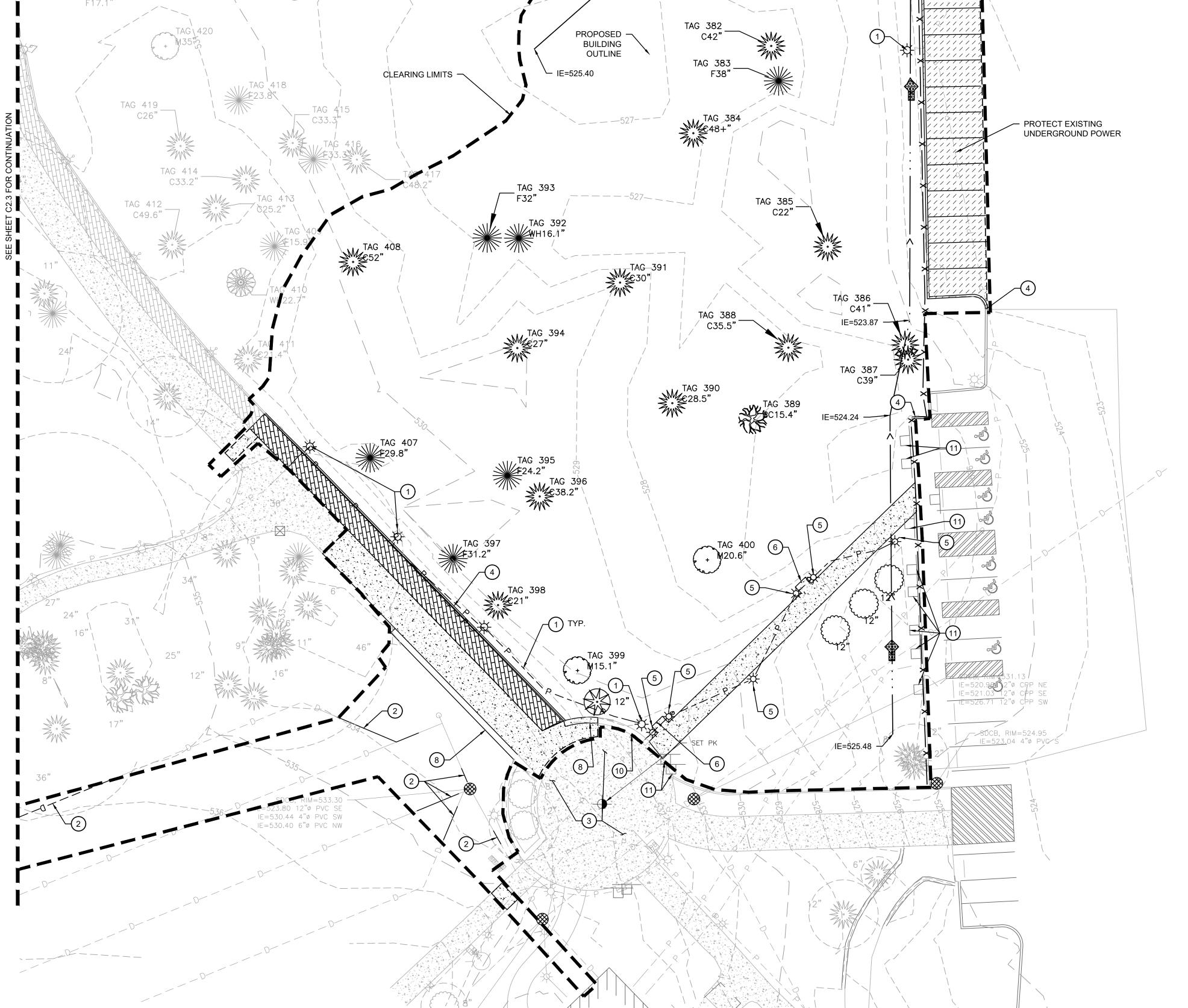


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TESC AND **DEMOLITION PLAN**

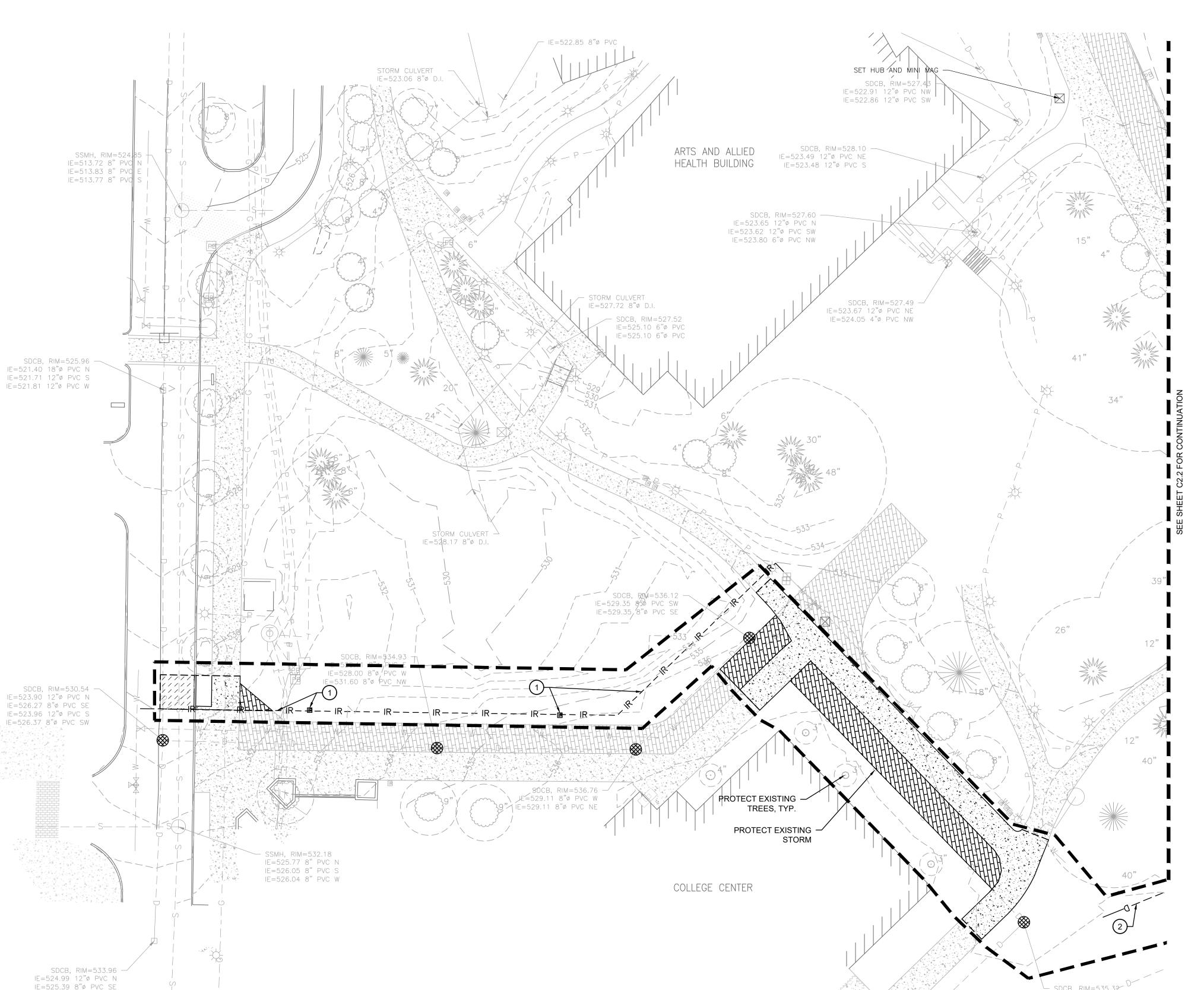
C2.2



SEE SHEET C2.1 FOR CONTINUATION

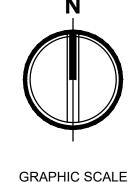
F23.6"

C18.8"



IE=529.66 8"ø PVC S

IE=530.29 6"ø PVC SW



GRAPHIC SCALE 1" = 20 FEET

APPROVED CITY OF PUYALLUP ENGINEERING SERVICES 11/08/2022 **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 CITY

ENGINEER

Fire

City of Puyallup velopment & Permitting Services **ISSUED PERMIT** Planning Engineering Public Works

Traffic

KEY NOTES:

IE=530.04 & PVC NW IE=5.30.14 8"Ø PVC SW **LEGEND**:

_ __ _XXX__ _____

1 DEMOLISH EXISTING IRRIGATION STRUCTURE AND ASSOCIATED PIPE

INLET PROTECTION $\frac{1}{C2.4}$

REMOVE EXISTING CONCRETE

REMOVE EXISTING ASPHALT

CONSTRUCTION ENTRANCE $\left(\frac{2}{C2.4}\right)$

CLEARING/PROJECT LIMITS

REMOVE EXISTING GRASSPAVE SURFACING

SAWCUT LINE

SILT FENCE $\frac{3}{C2.4}$

ROCK CHECK DAM

INTERCEPTOR SWALE

EXISTING MAJOR CONTOURS

EXISTING MINOR CONTOURS

- DEMOLISH EXISTING FIELD UNDERDRAIN. RESTORE AS SHOWN ON DRAINAGE PLANS.

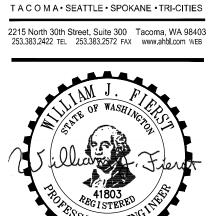
SEE SHEET C2.1 FOR TESC AND DEMOLITION NOTES

HYDROSEEDING NOTES

1. SEED MIXTURE SHALL BE THE FOLLOWING MIXTURE, AND SHALL BE APPLIED AT THE RATE OF 120 LB PER ACRE.

40% ANNUAL RYE (LOLIUM MULIFORUM) 10% REDTOP (AGROSTIS ALBE) 10% WHITE DUTCH CLOVER (TRIFOLIUM) 40% CHEWINGS FESCUE (FESTUCA REBRA COMMUTATA) (JAMESTOWN, BANNER, SHADOW OR KOKET)

- 2. SEED BEDS PLANTED BETWEEN MAY 1 AND OCTOBER 31 WILL REQUIRE IRRIGATION AND OTHER MAINTENANCE AS NECESSARY TO FOSTER AND PROTECT THE ROOT STRUCTURE.
- 3. FOR SEED BEDS PLANTED BETWEEN OCTOBER 31 AND APRIL 30, ARMORING OF THE SEED BED WILL BE NECESSARY. (E.G., GEOTEXTILES, JUTE MAT, CLEAR PLASTIC COVERING).
- 4. BEFORE SEEDING, INSTALL NEEDED SURFACE RUNOFF CONTROL MEASURES SUCH AS GRADIENT TERRACES, INTERCEPTOR DIKES, SWALES, LEVEL SPREADERS AND SEDIMENT BASINS.
- 5. THE SEEDBED SHALL BE FIRM WITH A FAIRLY FINE SURFACE, FOLLOWING SURFACE ROUGHENING. PERFORM ALL CULTURAL OPERATIONS ACROSS OR AT RIGHT ANGLES TO THE SLOPE.
- 6. FERTILIZERS ARE TO BE USED ACCORDING TO SUPPLIERS RECOMMENDATIONS. AMOUNTS USED SHOULD BE MINIMIZED, ESPECIALLY ADJACENT TO WATER BODIES AND WETLANDS.



Date:	10/25/22
Job No.:	22135.00
Drawn By:	C. HOVD
Checked by:	W. FIERS

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1	08/19/22	PERMIT RESUBMITTAL
2	10/25/22	PERMIT RESUBMITTAL

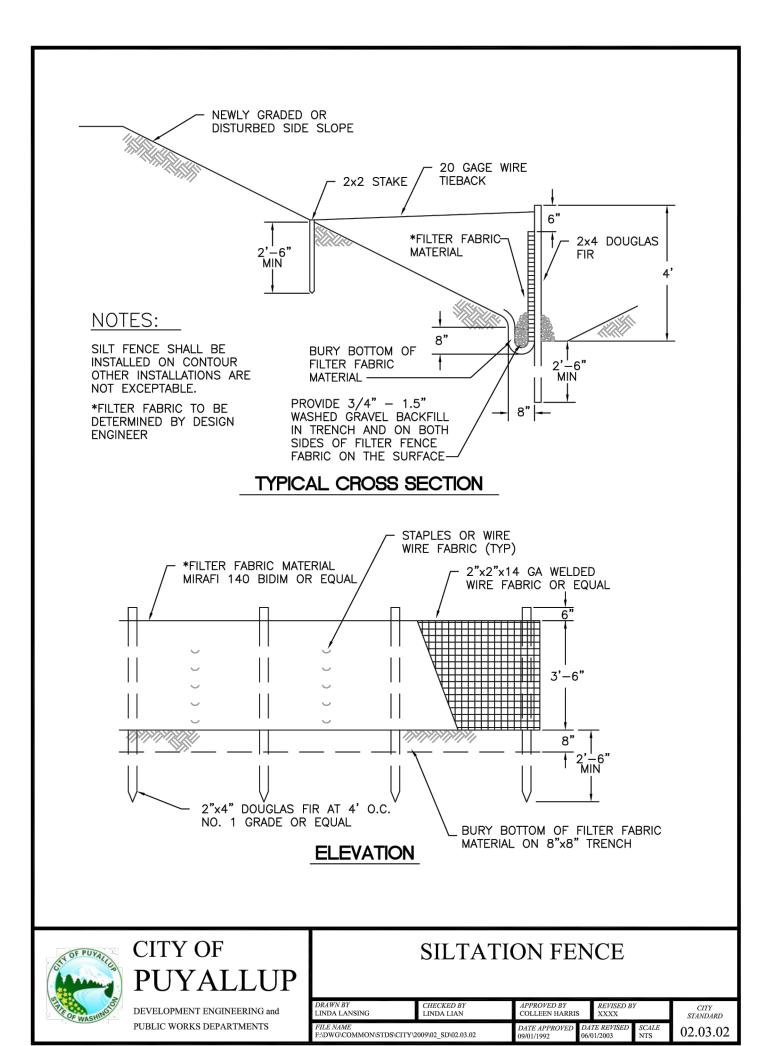
TESC AND DEMOLITION PLAN

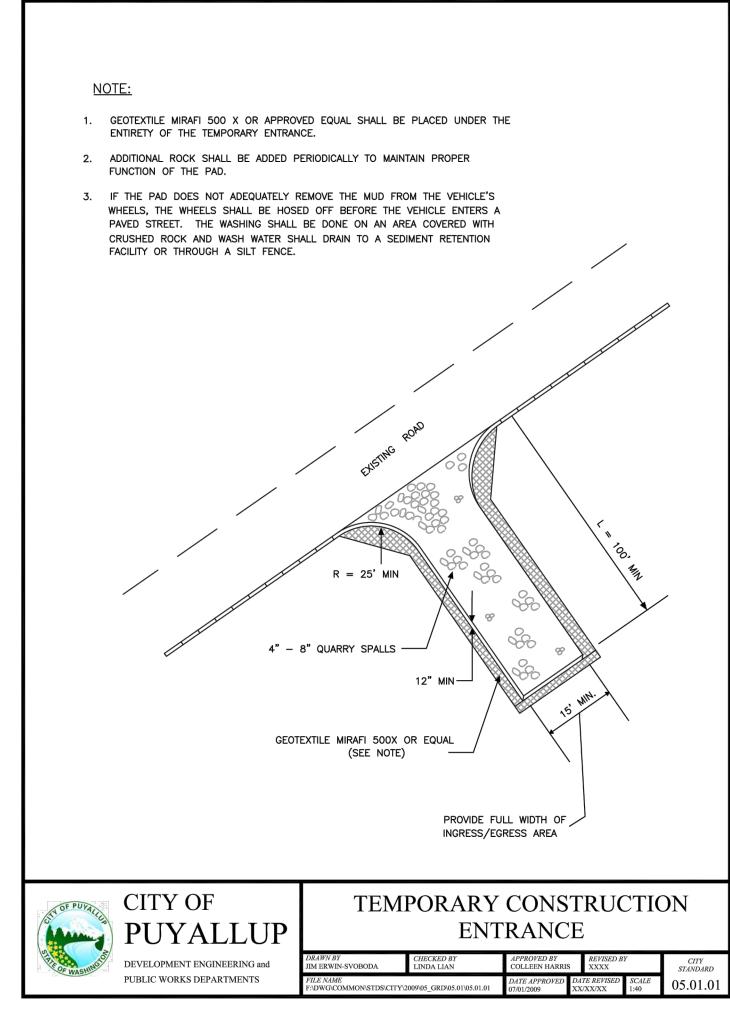
- 1. FILTERS SHALL BE INSPECTED AFTER EACH STORM EVENT AND CLEANED OR REPLACED
- 2. INSTALL INLET PROTECTION IN ALL NEW STORM STRUCTURES THAT WILL COLLECT STORMWATER AS THEY ARE INSTALLED.

INLET PROTECTION NOTES

- 1. SIZE THE CATCH BASIN INSERT FOR THE STORMWATER STRUCTURE IT WILL SERVICE.
- 2. THE INSERT SHALL HAVE AN OVERFLOW BYPASS.
- 3. THE RETRIEVAL SYSTEM MUST ALLOW FOR THE REMOVAL OF THE INSERT WITHOUT SPILLING THE COLLECTED MATERIAL.
- 4. MAINTAIN IN ACCORDANCE WITH WSDOT STANDARD SPEC 8-01.3(9)D.







1. 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.

2. ALL REQUIRED SEDIMENTATION AND EROSION CONTROL FACILITIES MUST BE CONSTRUCTED 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 PRIOR TO ANY LAND CLEARING AND/OR CONSTRUCTION. ALL EROSION AND SEDIMENT FACILITIES SHALL BE MAINTAINED IN A SATISFACTORY CONDITION AS DETERMINED BY THE CITY, UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETED AND THE POTENTIAL FOR ON-SITE EROSION HAS PASSED. THE IMPLEMENTATION, MAINTENANCE, REPLACEMENT, AND ADDITIONS TO THE EROSION AND SEDIMENTATION CONTROL SYSTEMS SHALL BE THE RESPONSIBILITY OF THE PERMITEE.

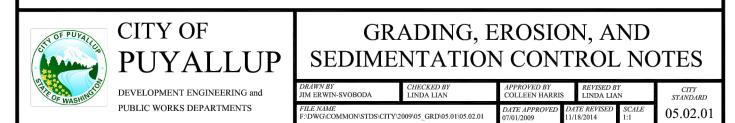
3. THE EROSION AND SEDIMENTATION CONTROL SYSTEM FACILITIES DEPICTED ON THESE PLANS ARE INTENDED TO BE MINIMUM REQUIREMENTS TO MEET ANTICIPATED SITE CONDITIONS. AS CONSTRUCTION PROGRESSES AND UNEXPECTED OR SEASONAL CONDITIONS DICTATE, FACILITIES WILL BE NECESSARY TO ENSURE COMPLETE SILTATION CONTROL ON THE SITE. DURING THE COURSE OF CONSTRUCTION, IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE PERMITEE TO ADDRESS ANY NEW CONDITIONS THAT MAY BI CREATED BY HIS ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES, OVER AND ABOVE THE MINIMUM REQUIREMENTS, AS MAY BE NEEDED TO PROTECT ADJACENT PROPERTIES, SENSITIVE AREAS, NATURAL WATER COURSES, AND/OR STORM DRAINAGE SYSTEMS.

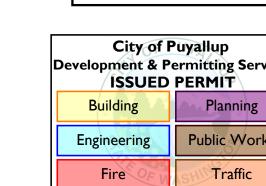
4. APPROVAL OF THESE PLANS IS FOR GRADING, TEMPORARY DRAINAGE, EROSION AND SEDIMENTATION CONTROL ONLY. IT DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT STORM DRAINAGE DESIGN, SIZE OR LOCATION OF PIPES, RESTRICTORS, CHANNELS, OR RETENTION FACILITIES.

5. 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 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 INCLUSVE. SEEDING MAY PROCEED OUTSIDE THE SPECIFIED TIME PERIOD WHENEVER IT IS IN THE INTEREST OF THE PERMITEE BUT MUST BE AUGMENTED WITH MULCHING, NETTING, OR OTHER TREATMENT APPROVED BY THE

6. 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.

7. 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.

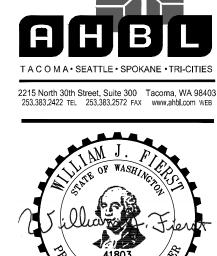




Miller Julie CITY OF PUYALLUP ENGINEERING SERVICES 11/08/2022 **NOTE:** THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE CITY **ENGINEER**

APPROVED

velopment & Permitting Services Public Works



BUI AVE SI A 9837 EW Z **PIERC**

10/25/22 22135.00 Job No.: C. HOVDE Drawn By: W. FIERST Checked by

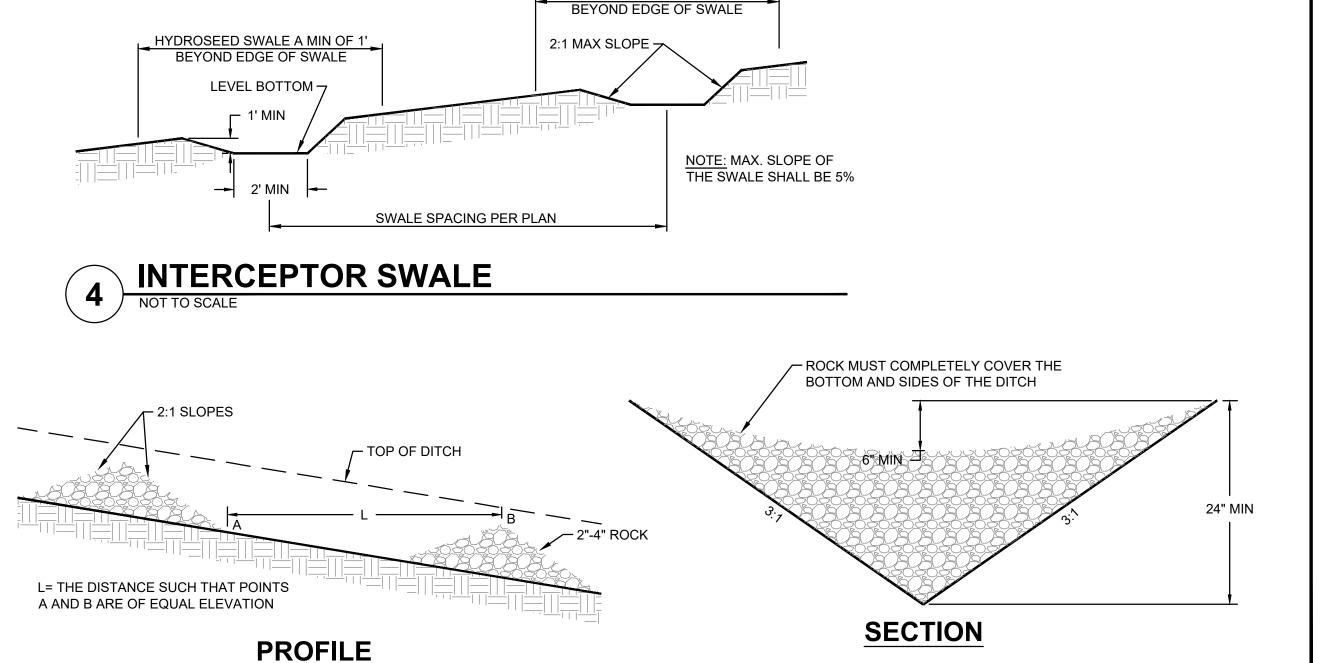
Revisions # Date Description 08/19/22 RESUBMITTAL PERMIT 2 10/25/22 RESUBMITTAL

TESC NOTES AND **DETAILS**



SILT FENCE NOTES

- 1. THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST WITH A MINIMUM SIX-INCH OVERLAP, AND BOTH ENDS SECURELY FASTENED TO THE POST.
- 2. THE FILTER FABRIC FENCE SHALL BE INSTALLED TO FOLLOW THE CONTOURS (WHERE FEASIBLE). THE FENCE POSTS SHALL BE SPACED A MAXIMUM OF SIX FEET APART AND DRIVEN SECURELY INTO THE GROUND (MINIMUM OF 30")
- 3. A TRENCH SHALL BE EXCAVATED, ROUGHLY EIGHT INCHES WIDE AND TWELVE INCHES DEEP, UPSLOPE AND ADJACENT TO THE WOOD POST TO ALLOW THE FILTER FABRIC TO BE BURIED.
- 4. WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY-DUTY WIRE STAPLES AT LEAST ONE INCH LONG, TIE WIRES, OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF FOUR INCHES AND SHALL NOT EXTEND MORE THAN THIRTY SIX INCHES ABOVE THE ORIGINAL GROUND SURFACE.
- 5. THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND TWENTY INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN THIRTY SIX INCHES ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.
- 6. WHEN EXTRA-STRENGTH FILTER FABRIC AND CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS WITH ALL OTHER PROVISIONS OF STANDARD NOTE (S) APPLYING.
- 7. THE TRENCH SHALL BE BACKFILL WITH 3/4 INCH MINIMUM DIAMETER WASHED GRAVEL.
- 8. FILTER FABRIC FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.
- 9. FILTER FABRIC FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
- 10. CONTRIBUTING LENGTH TO FENCE SHALL NOT BE MORE THAN 100 FEET.
- 11. DO NOT INSTALL BELOW AN OUTLET PIPE OR WEIR.
- 12. DO NOT DRIVE OVER OR FILL OVER FILTER FABRIC FENCE.



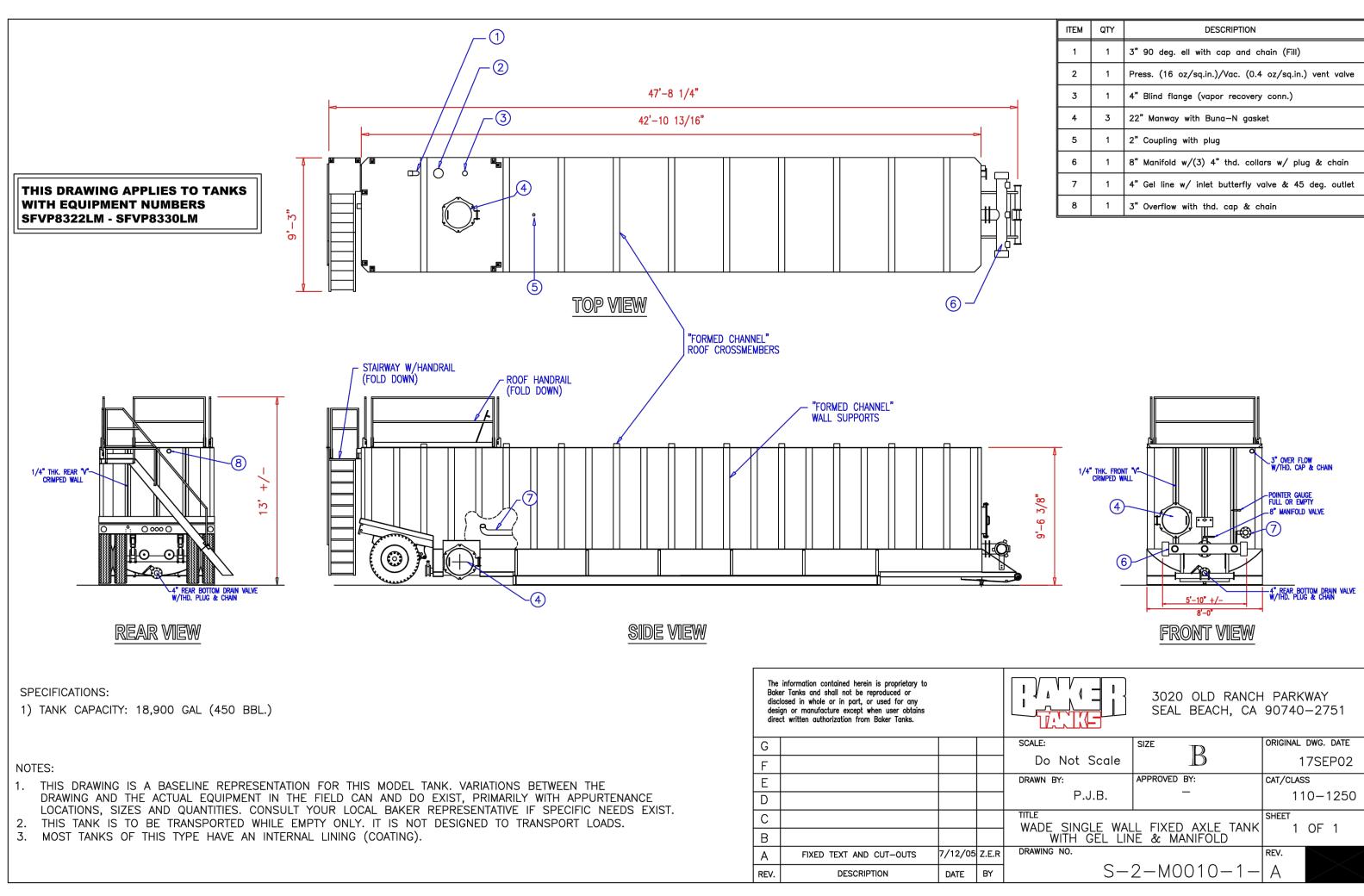
ROCK CHECK DAM

HYDROSEED SWALE A MIN OF 1'

NOTICE

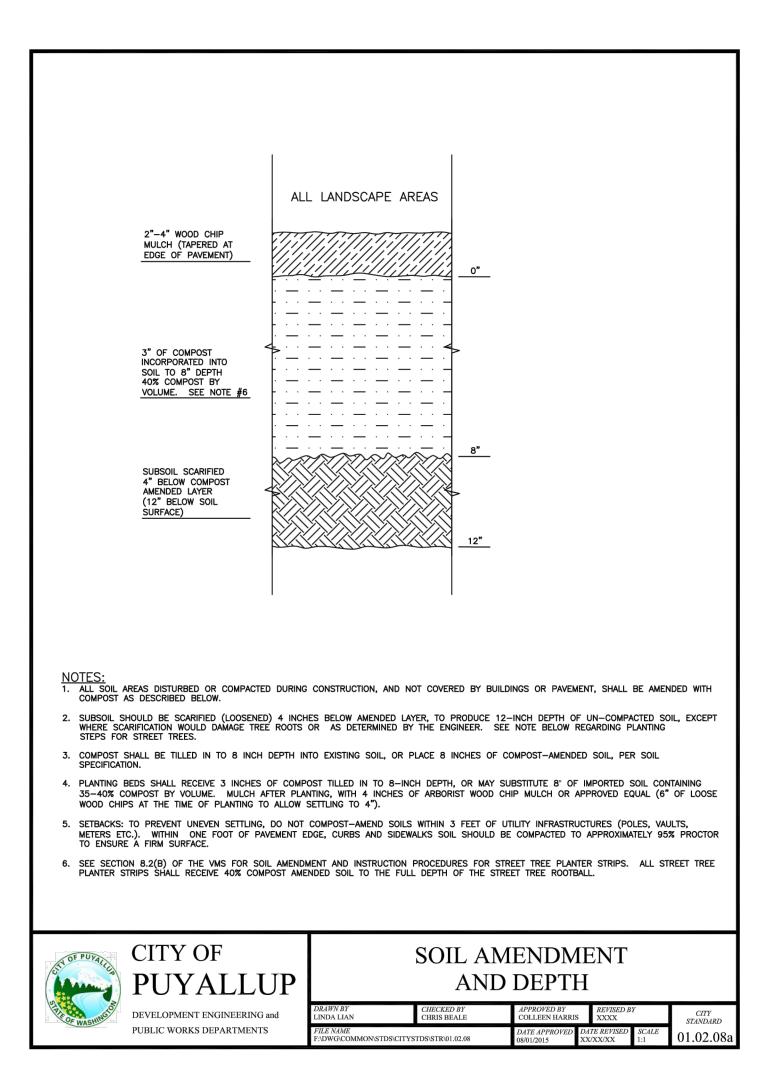
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SITE PERMIT SET



TEMPORARY STORMWATER TANK

NOT TO SCALE

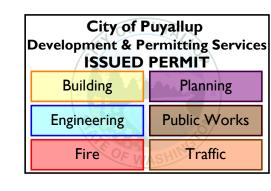


SOIL AMENDMENT AND DEPTH
NOT TO SCALE



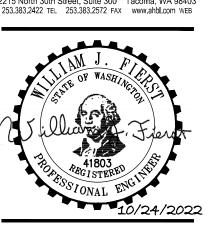
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FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE CITY ENGINEER









STATE PROJECT NO.: 2020-14 PIERCE COLLEGE PUYALLUF NEW STEM BUILDING 1601 39th AVE SE Puyallup, WA 98374

Date:	10/25/22
Job No.:	22135.00
Drawn By:	C. HOVDE
Checked by:	W. FIERS1

Revisions		
#	Date	Description
1	08/19/22	PERMIT RESUBMITTAL
2	10/25/22	PERMIT RESUBMITTAL

TESC NOTES AND DETAILS

NOTICE

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C2.5

IE=528.98 8" PVC W

APPROVED andlet fulle CITY OF PUYALLUP ENGINEERING SERVICES 11/08/2022

NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE

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City of Puyallup

- 7. ALL FOOTING DRAINS SHALL BE 4-INCH IN DIAMETER AND PLACED AROUND BUILDING.
- SLOPE UNLESS OTHERWISE INDICATED. CONNECT ALL DOWNSPOUTS AND ROOF LEADERS TO THE NEAREST ROOF DRAIN. ALL ROOF DRAINS SHALL BE CONNECTED ARCHITECTURAL AND MECHANICAL PLANS FOR EXACT LOCATIONS AND NUMBER OF

PIERC

TACOMA*SEATTLE*SPOKANE*TRI-CITIES

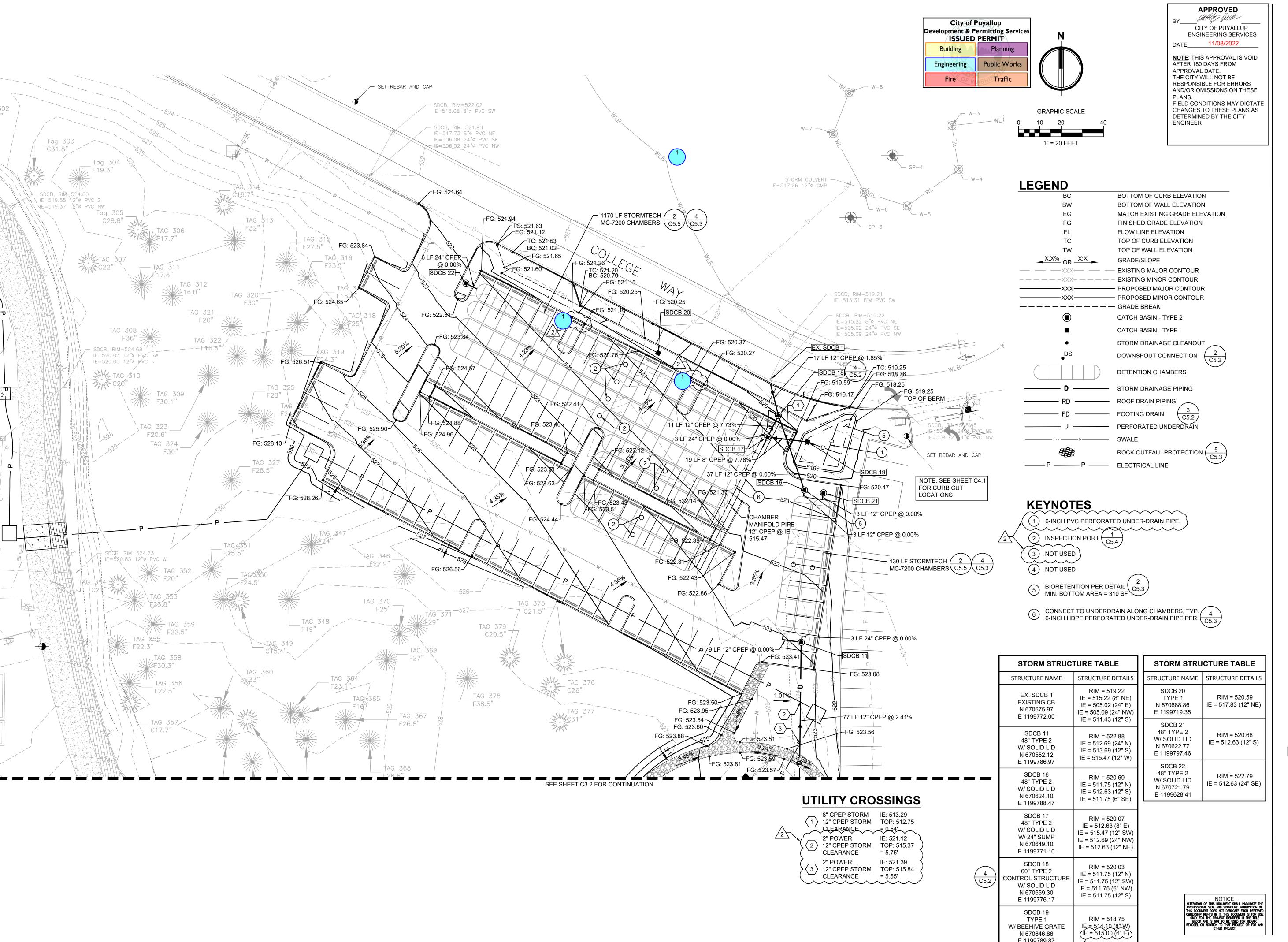
2215 North 30th Street, Suite 300 Tacoma, WA 98403 253.383.2422 TEL 253.383.2572 FAX www.ahbl.com WEB

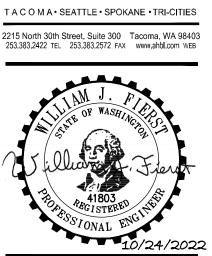
Date:	10/25/22
Job No.:	22135.00
Drawn By:	C. HOVDI
Checked by:	W. FIERS

Revisions		
#	Date	Description
1	08/19/22	PERMIT RESUBMITTAL
2	10/25/22	PERMIT RESUBMITTAL

OVERALL GRADING

PLAN





0 0 A BUI h AVE SE WA 9837 E Z **PIERC**

Pate:	10/25/22
ob No.:	22135.00
rawn By:	C. HOVDE
Checked by:	W. FIERST

Revisions # Date Description 08/19/22 PERMIT RESUBMITTAL PERMIT 2 10/25/22 RESUBMITTAL

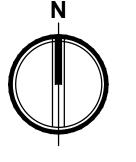
GRADING AND DRAINAGE PLAN

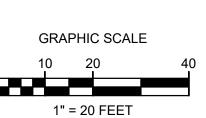
N 670646.86 E 1199789.87

TACOMA·SEATTLE·SPOKANE·TRI-CITIES

C3.1

SITE PERMIT SET





BOTTOM OF CURB ELEVATION

BOTTOM OF WALL ELEVATION

FINISHED GRADE ELEVATION

- EXISTING MAJOR CONTOUR

CATCH BASIN - TYPE 2

CATCH BASIN - TYPE I

PERFORATED UNDERDRAIN

ROCK LINED SWALE, SEE

STORM DRAINAGE PIPING

LANDSCAPE ARCHITECT PLAN FOR **DETAILS**

STORM DRAINAGE CLEANOUT

DOWNSPOUT CONNECTION $\left(\frac{2}{C5.2}\right)$

ROCK OUTFALL PROTECTION $\left(\frac{5}{\text{C5.3}}\right)$

STORM STRUCTURE TABLE

STRUCTURE NAME | STRUCTURE DETAILS

RIM = 533.03

RIM = 532.84

IE = 531.17 (8" NW)

IE = 531.17 (8" E)

RIM = 528.53

RIM = 525.30

RIM = 522.54

IE = 519.24 (12" N)

IE = 519.24 (12" SW)

IE = 519.57 (8" W)

IE = 520.74 (4" W)

RIM = 522.14

IE = 519.11 (12" N)

IE = 519.11 (12" S)

IE = 519.61 (6" W)

RIM = 521.98

IE = 515.83 (12" NW)

IE = 515.83 (12" S)

IE = 517.83 (12" N)

RIM = 522.56

IE = 515.55 (12" N)

IE = 515.55 (12" SE)

IE = 515.88 (8" NW)

IE = 516.22 (4" S)

RIM = 523.06

IE = 519.89 (8" SW)

IE = 519.89 (8" SE)

IE = 521.05 (4" SW)

RIM = 532.13

IE = 529.40 (8" SE)

IE = 529.40 (8" NE)

IE = 521.35 (12" NE)

IE = 521.85 (6" S)

IE = 524.31 (8" NE) IE = 524.48 (6" SW)

IE = 531.49 (8" SE)

SDCB 1 TYPE 1

N 670229.90 E 1199625.60

SDCB 2

TYPE 1

N 670206.58

E 1199647.77

SDCB 4

TYPE 1

W/ BEEHIVE GRATE

N 670277.11 E 1199774.44

SDCB 5

TYPE 1

V/ BEEHIVE GRATE N 670318.18

E 1199789.93

SDCB 7

TYPE 1

N 670384.14

E 1199825.45

SDCB 8

TYPE 1

N 670409.68

E 1199824.79

SDCB 9

48" TYPE 2

N 670435.22

E 1199824.13

SDCB 10

48" TYPE 2

N 670475.09

E 1199785.97

SDCB 12

TYPE 1

N 670488.81

E 1199760.75

SDCB 13

TYPE 1

N 670313.26

E 1199580.40

FLOW LINE ELEVATION TOP OF CURB ELEVATION TOP OF WALL ELEVATION

GRADE/SLOPE

—XXX———— PROPOSED MINOR CONTOUR

— — — — — — — GRADE BREAK

CONCRETE WALL

LEGEND

APPROVED andley fulle CITY OF PUYALLUP ENGINEERING SERVICES 11/08/2022

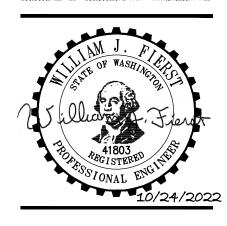
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City of Puyallup Development & Permitting Servi ISSUED PERMIT		
Building	Planning	
Engineering	Public Works	
Fire OF W	Traffic	

MATCH EXISTING GRADE ELEVATION

TACOMA·SEATTLE·SPOKANE·TRI-CITIES 2215 North 30th Street, Suite 300 Tacoma, WA 98403 253.383.2422 TEL 253.383.2572 FAX www.ahbl.com WEB

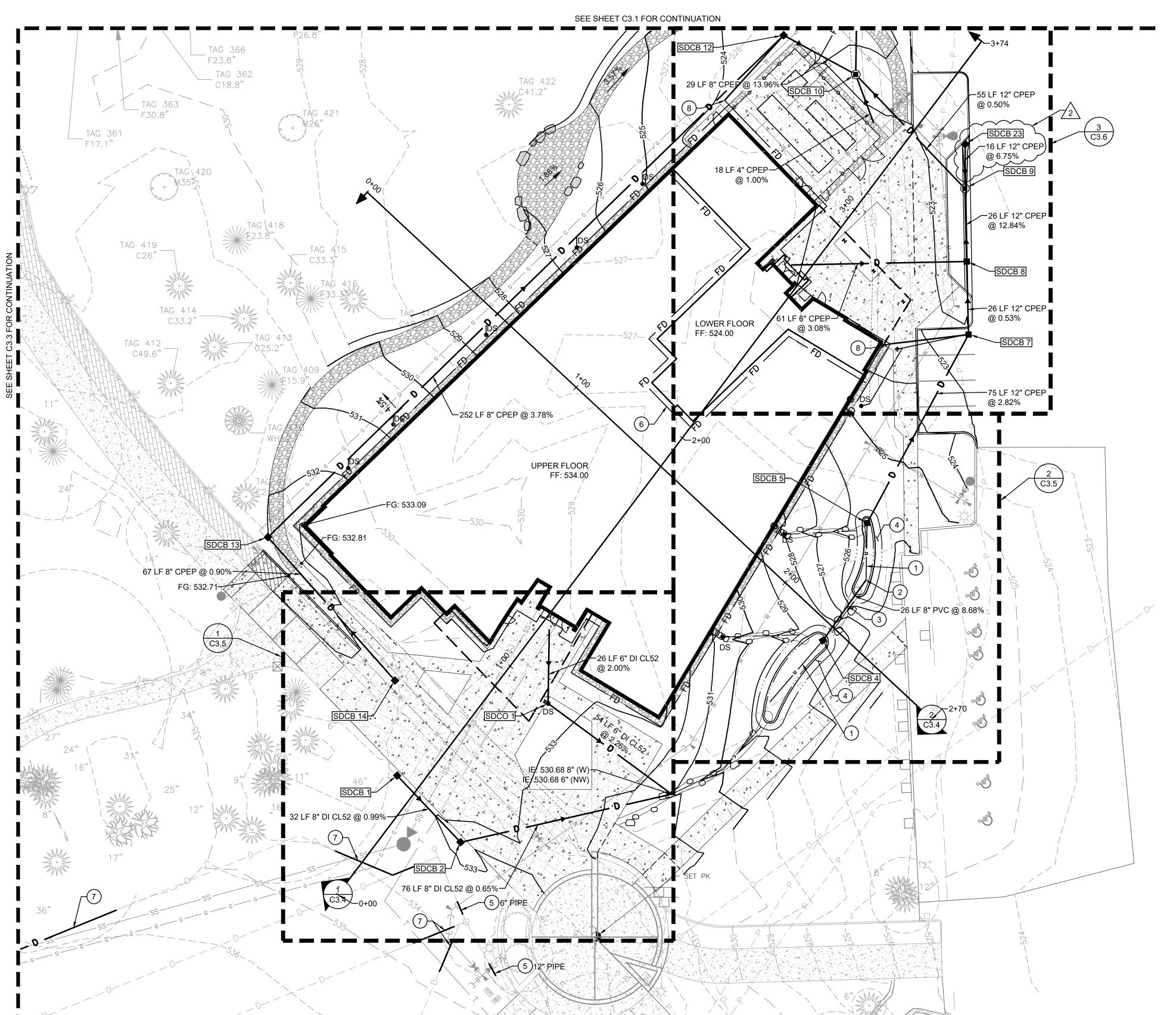


A BUI h AVE SE WA 9837 EW Z STATE PIERC

10/25/22 22135.00 Job No.: C. HOVDE Drawn By: W. FIERST Checked by:

Revisions # Date Description 1 08/19/22 RESUBMITTAL PERMIT 2 10/25/22 RESUBMITTAL

GRADING AND DRAINAGE PLAN



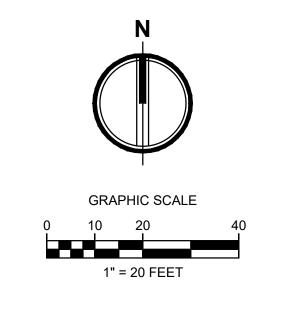
KEYNOTES

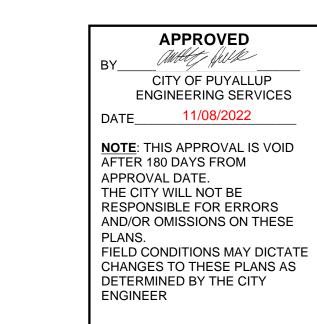
- (1) 6-INCH PVC PERFORATED UNDER-DRAIN PIPE.
- (2) CHANGE IN PIPE TYPE.
- (3) 8-INCH PVC SOLID PIPE.
- REPLACE FIELD COLLECTOR DRAIN PER DETAIL 6FIELD VERIFY LOCATION AND ELEVATION
- CONNECT INSIDE BUILDING FOOTING DRAIN TO EXTERIOR FOOTING DRAIN. SEE STRUCTURAL AND ARCHITECTURAL PLANS FOR INSIDE BUILDING FOOTING DRAIN DETAIL.
- 7 REPLACE FIELD UNDERDRAIN PER DETAIL 5 C5.2

8) CONNECT FOOTING DRAIN TO CATCH	I BASIN AS SH	1WOF

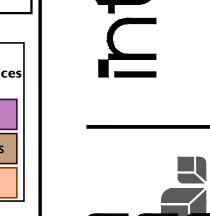
	STORM STRU	ICTURE TABLE
	STRUCTURE NAME	STRUCTURE DETAILS
<u></u>	SDCB 14 TYPE 1 N 670263.15 E 1199624.84	RIM = 533.06 IE = 530.00 (8" NW)
	SDCB 23 TYPE 1 N 670450.76 E 1199824.27	RIM = 521.88 IE = 518.88 (12" S)
	SDCO 1 CO N 670255.09 E 1199678.38	RIM = 533.55 IE = 531.89 (6" N) IE = 531.89 (6" SE)

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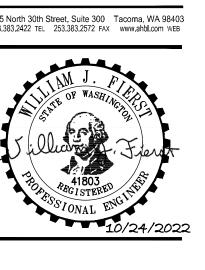




City of Puyallup Development & Permitting Servi		
Building	Planning	
Engineering	Public Works	
Fire OF W	SHITTraffic	









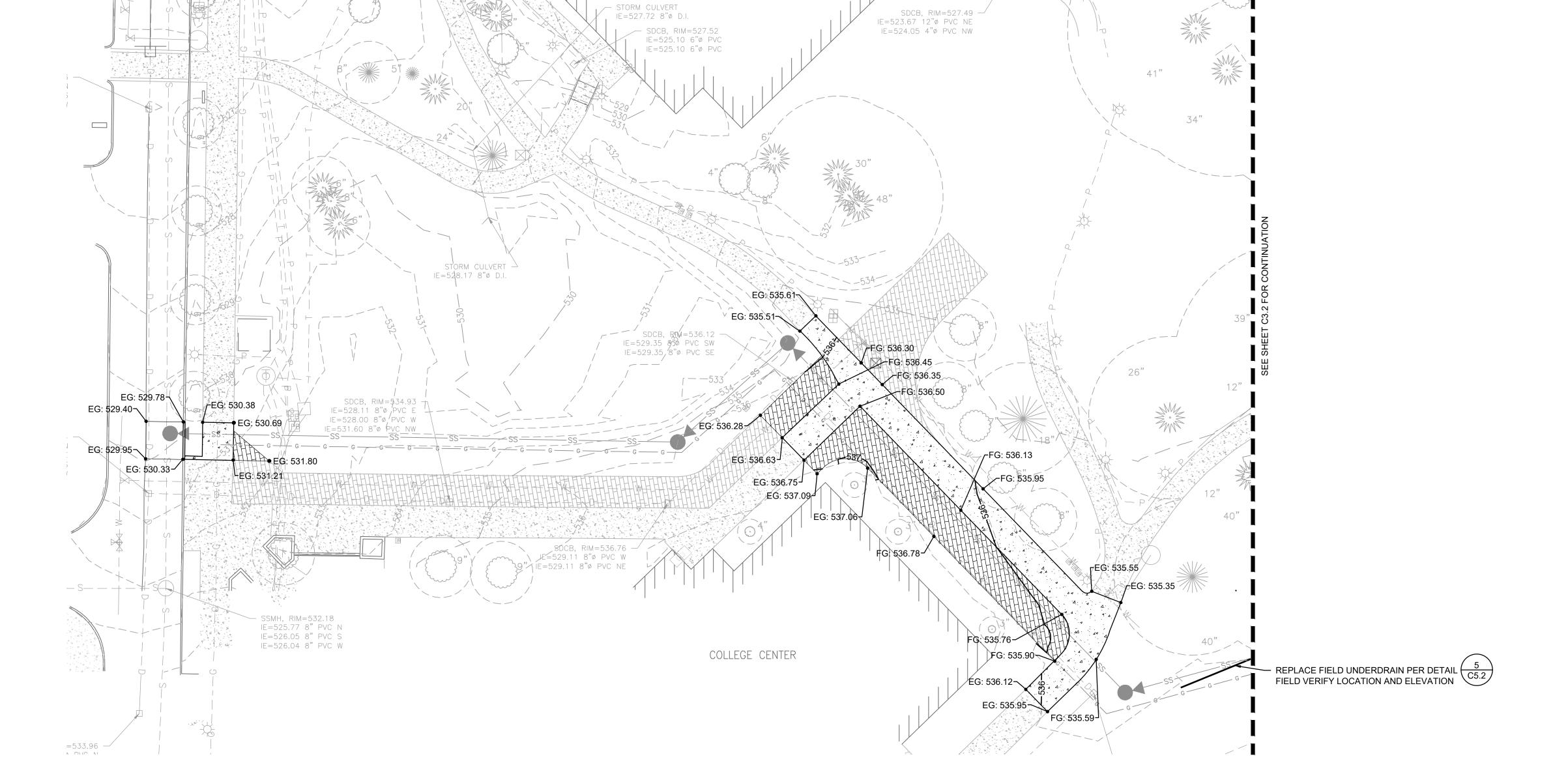
Date:	10/25/22
Job No.:	22135.00
Drawn By:	C. HOVDE
Chacked by:	\/\ EIED\$1

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Revisio		Re	visions
	#	Date	Description
	1	08/19/22	PERMIT RESUBMITTAL
	2	10/25/22	PERMIT RESUBMITTAL

#	Date	Description
1	08/19/22	PERMIT
		RESUBMITTAL
2	10/25/22	PERMIT RESUBMITTAL

GRADING AND DRAINAGE PLAN

C3.3



SDCB, RIM=528.10 — IE=523.49 12"Ø PVC NE

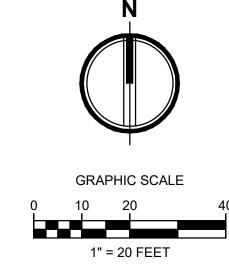
SDCB, RIM=527.49 —

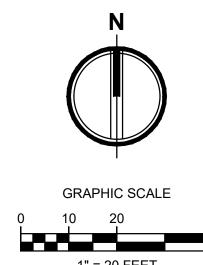
IE=523.48 12"ø PVC S

SDCB, RIM=527.60 -IE=523.65 12"ø PVC N IE=523.62 12"¢ PVC SW IE=523.80 6"¢ PVC NW

HEALTH BUILDING

IH, RIM=524. 3.72 8" PVC 3.83 8" PVC 3.77 8" PVC

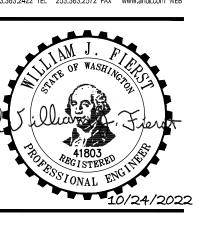


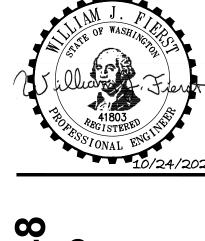


APPROVED andley fulk CITY OF PUYALLUP ENGINEERING SERVICES DATE_____ 11/08/2022 **NOTE**: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE CITY ENGINEER

City of Puyallup Development & Permitting Serv ISSUED PERMIT	
Building	Planning
Engineering	Public Work
Fire OF V	SHII Traffic







SE COLLEGE PUYAL NEW STEM BUILDING 1601 39th AVE SE Puyallup, WA 98374 PIERCI

10/25/22 22135.00 Job No.: C. HOVDE Drawn By: W. FIERST Checked by:

Date Description 2 10/25/22

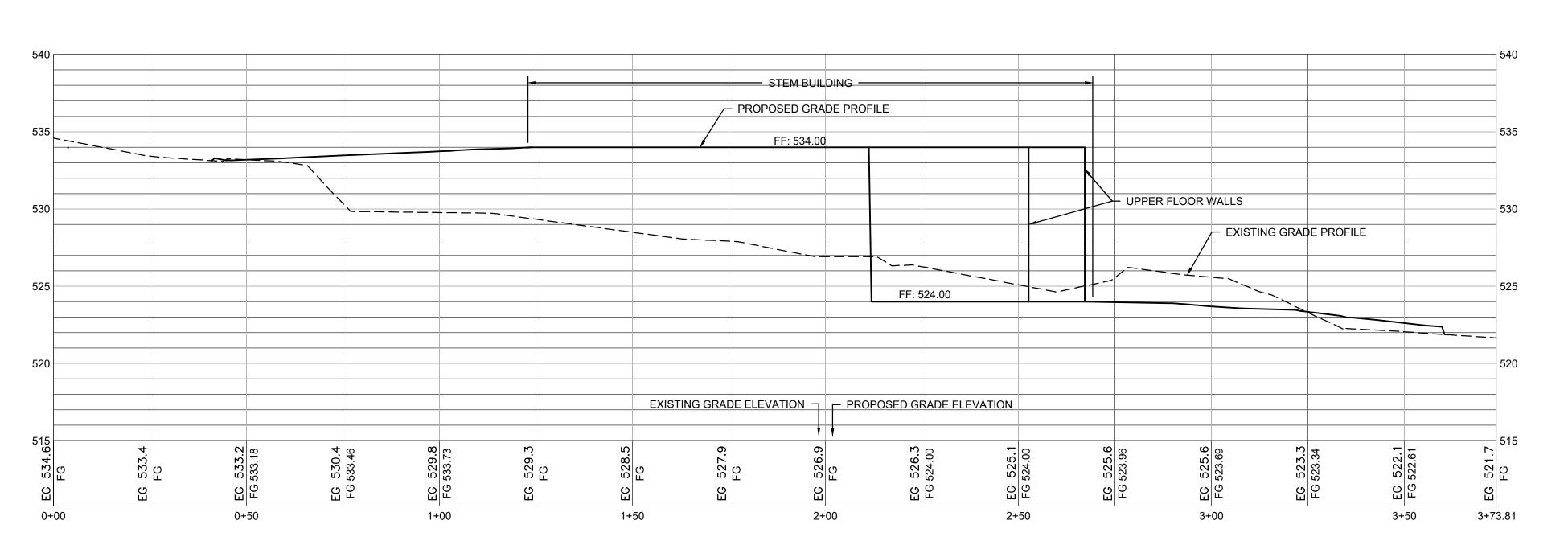
PERMIT RESUBMITTAL PERMIT RESUBMITTAL

SITE SECTIONS

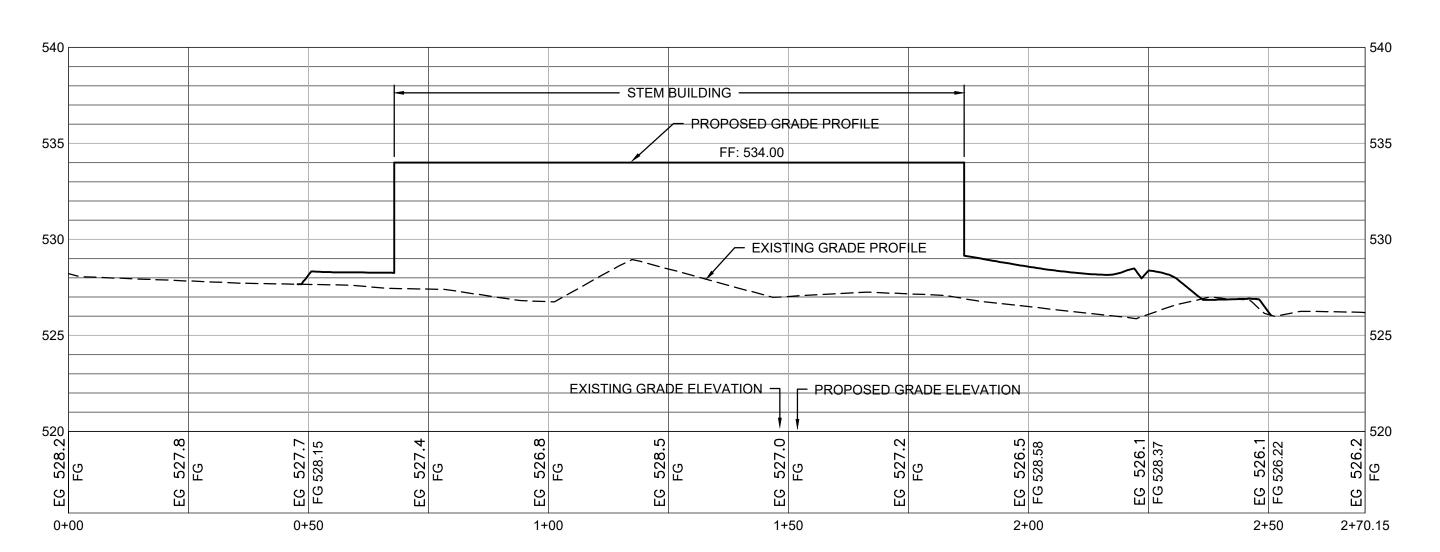
C3.4

NOTICE

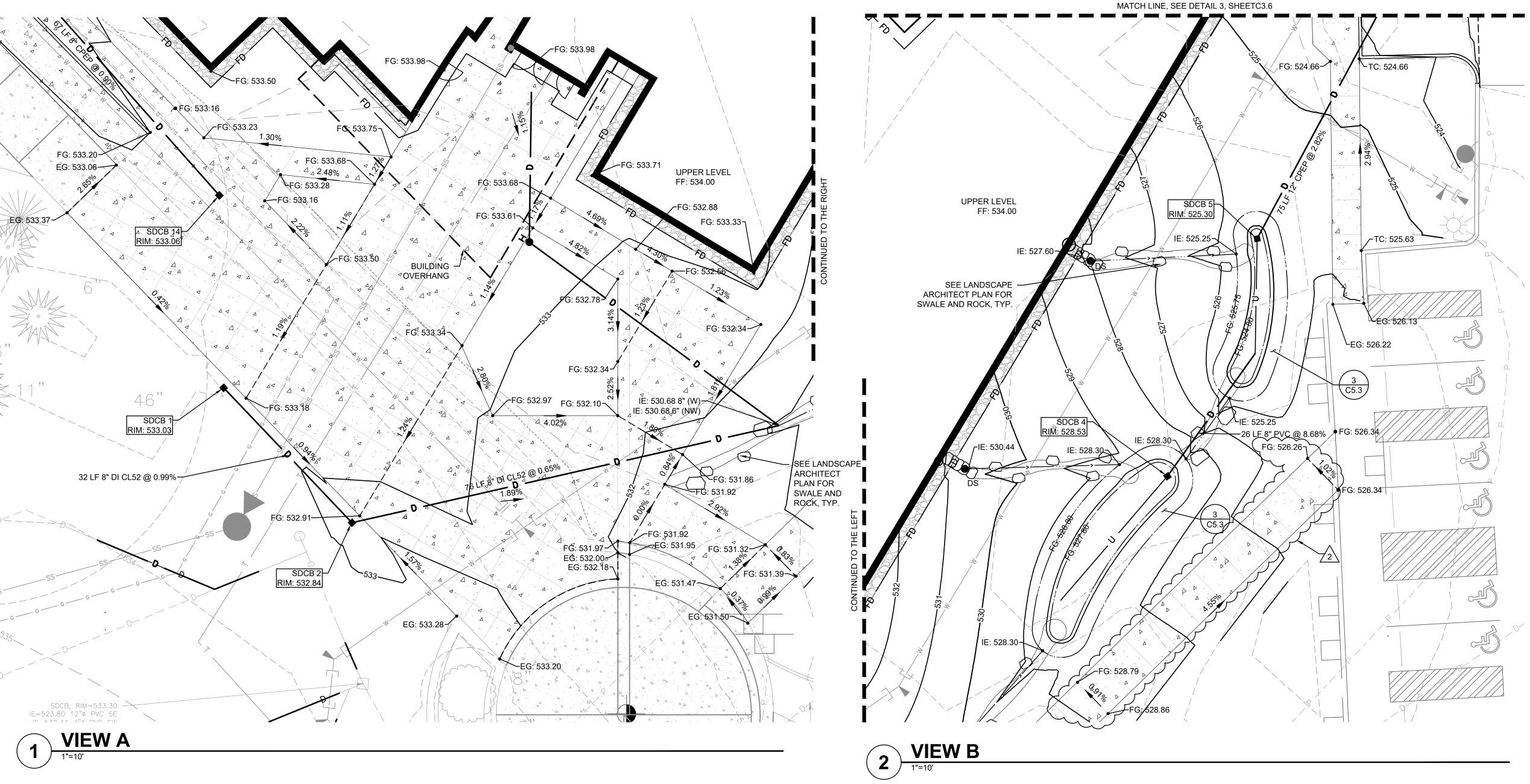
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SECTION 1



SECTION 2
1"=20' H / 1"=5' V





LEGEND

EG

FG

BOTTOM OF CURB ELEVATION

FINISHED GRADE ELEVATION TOP OF CURB ELEVATION

EXISTING MAJOR CONTOUR - EXISTING MINOR CONTOUR

CATCH BASIN - TYPE 2

CATCH BASIN - TYPE I

STORM DRAINAGE PIPING

PERFORATED UNDERDRAIN

ROCK LINED SWALE, SEE LANDSCAPE ARCHITECT PLAN FOR DETAILS

ROOF DRAIN PIPING

FOOTING DRAIN

DOWNSPOUT CONNECTION

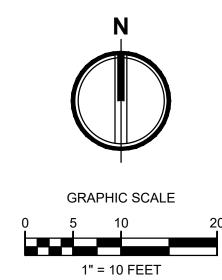
GRADE/SLOPE

—XXX——— PROPOSED MAJOR CONTOUR

PROPOSED MINOR CONTOUR

MATCH EXISTING GRADE ELEVATION

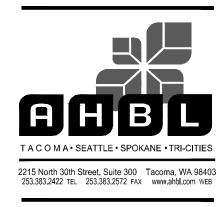
THE RUNNING SLOPE OF ANY WALKWAY MUST BE 5% OR LESS, OTHERWISE IT IS CONSIDERED A RAMP AND MUST MEET ADA ACCESSIBILITY GUIDELINES.

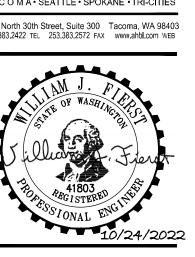


	BY	APPROVED Molecular fuller
		CITY OF PUYALLUP NGINEERING SERVICES
	DATE	11/08/2022
•	AFTER APPRO' THE CIT RESPOI AND/OF PLANS. FIELD C CHANG	THIS APPROVAL IS VOID 180 DAYS FROM VAL DATE. TY WILL NOT BE NSIBLE FOR ERRORS TO OMISSIONS ON THESE CONDITIONS MAY DICTATE ES TO THESE PLANS AS MINED BY THE CITY

ENGINEER

City of Pose City	ermitting Service
Building	Planning
Engineering	Public Works
Fire OF W	Traffic





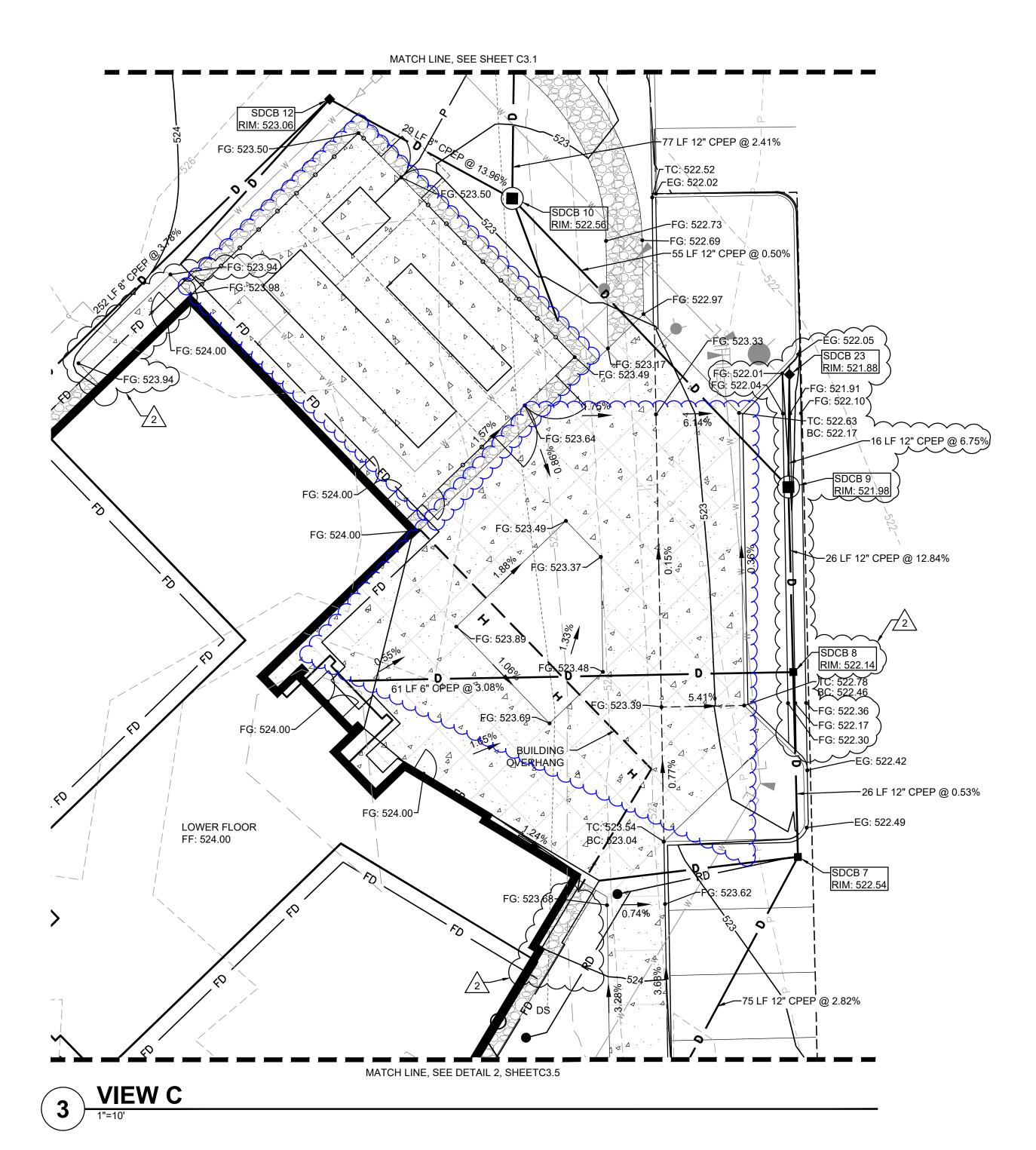
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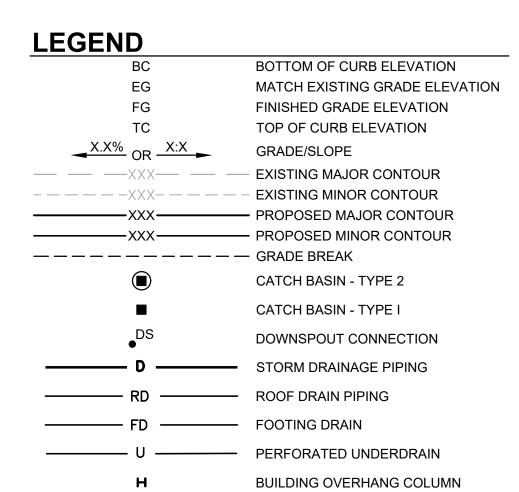
Date:	10/25/22
Job No.:	22135.00
Drawn By:	C. HOVDE
Checked by:	W. FIERST

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#	Date	Description
1	08/19/22	PERMIT RESUBMITTAL
2	10/25/22	PERMIT RESUBMITTAL

GRADING DETAILS

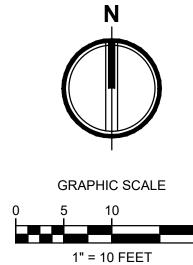
C3.5

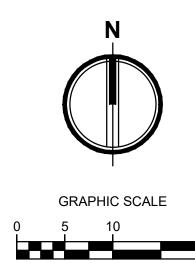




GRADING NOTE

THE RUNNING SLOPE OF ANY WALKWAY MUST BE 5% OR LESS, OTHERWISE IT IS CONSIDERED A RAMP AND MUST MEET ADA ACCESSIBILITY GUIDELINES.



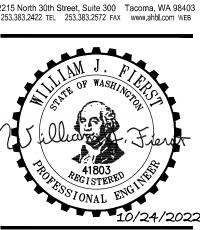


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	DATE	11/08/2022
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City of Puyallup Development & Permitting Servic ISSUED PERMIT	
Building	Planning
Engineering	Public Works
Fire OF W	Traffic





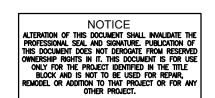


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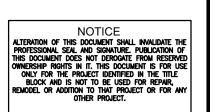
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GRADING DETAILS



C3.6



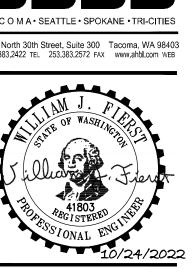
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APPROVED

(Molt) file

TACOMA·SEATTLE·SPOKANE·TRI-CITIES

2215 North 30th Street, Suite 300
253.383.2422 TEL 253.383.2572 FAX www.ahbl.com web



STATE PROJECT NO.: 2020-1 PIERCE COLLEGE PUYALLU NEW STEM BUILDING 1601 39th AVE SE Puyallup, WA 98374

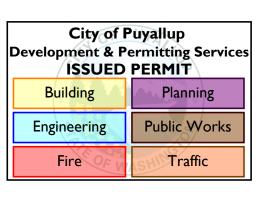
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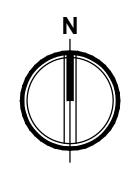
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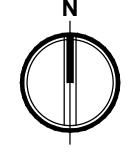
PAVING AND HORIZONTAL

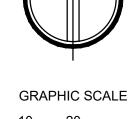
CONTROL PLAN

C4.1



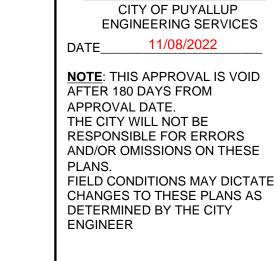




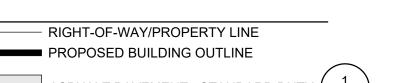


1" = 20 FEET

LEGEND:



APPROVED ander full



ASPHALT PAVEMENT - STANDARD DUTY $\begin{pmatrix} 1 & 1 \\ C5.1 \end{pmatrix}$ ASPHALT PAVEMENT - HEAVY DUTY CEMENT CONCRETE - STANDARD DUTY CEMENT CONCRETE - HEAVY DUTY $\left(\frac{2}{C5.1}\right)$

GRAVEL SURFACING (C5.1 GRASSPAVE SURFACING $\begin{pmatrix} 10 \\ C5.1 \end{pmatrix}$

BOLLARD PROTECTION CEMENT CONCRETE WHEEL STOP $\begin{pmatrix} 6 \\ C5.1 \end{pmatrix}$ CHANGE IN CURB TYPE / END CURB CONCRETE EXTRUDED CURB INTEGRAL CURB AND SIDEWALK FLUSH CURB (C5.1)

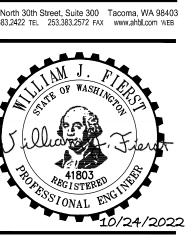
TRAFFIC CURB $\frac{5}{C5.1}$ TC CONCRETE CURB AND GUTTER $\frac{9}{(C5.1)}$

3" ROLLED CURB PER WSDOT STD DETAIL F-10.18-02, CURB 1 TYPE PAINT TOP AND FACE OF CURB RED

KEYNOTES:

- (1) FENCE, SEE LANDSCAPE ARCHITECTURAL PLANS
- (2) TRANSFORMER, SEE ELECTRICAL PLAN
- (3) GENERATOR, SEE ELECTRICAL PLAN
- (4) CHILLER, SEE MECHANICAL PLAN
- BOLLARD PROTECTION, SEE LANDSCAPE FOR MORE INFORMATION
- 6 SEE LANDSCAPE ARCHITECT'S PLAN FOR SWALE AND ROCK.
- 7 PAINT TOP AND FACE OF CURB RED





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Date:	10/25/22
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Checked by:	W FIFRST

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PAVING AND HORIZONTAL

CONTROL PLAN

C4.2

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─N 670152.28 E 1199428.63

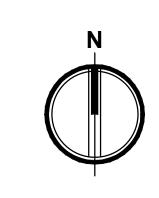
ARTS AND ALLIED

HEALTH BUILDING

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COLLEGE CENTER

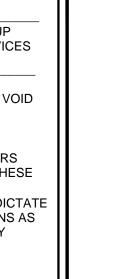
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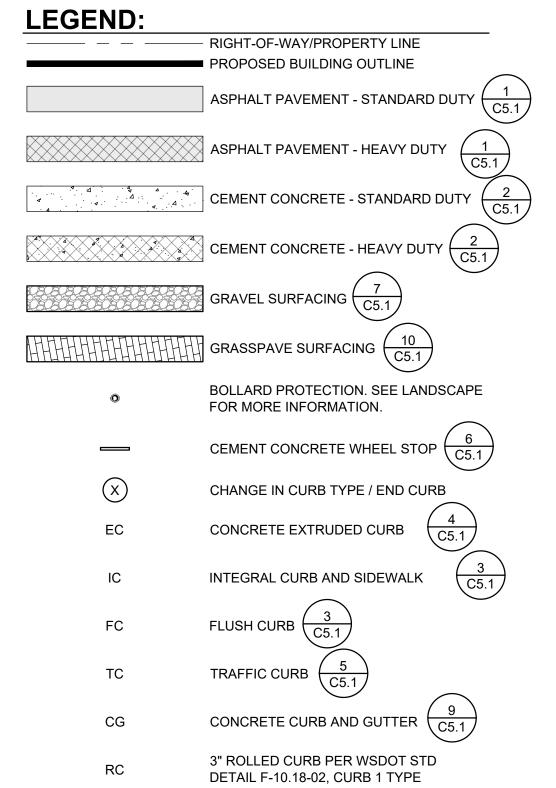
GRAPHIC SCALE

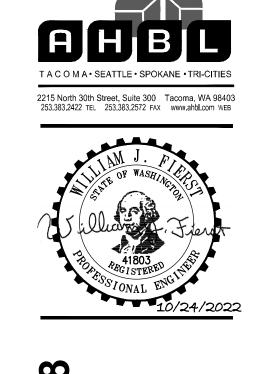
1" = 20 FEET

APPROVED CITY OF PUYALLUP ENGINEERING SERVICES DATE_____11/08/2022 NOTE: THIS APPROVAL IS VOID
AFTER 180 DAYS FROM
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THE CITY WILL NOT BE
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AND/OR OMISSIONS ON THESE



PLANS.
FIELD CONDITIONS MAY DICTATE
CHANGES TO THESE PLANS AS
DETERMINED BY THE CITY
ENGINEER





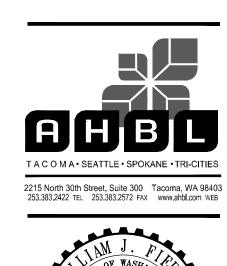
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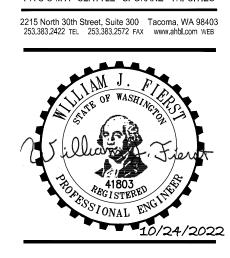
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PAVING AND HORIZONTAL CONTROL PLAN

C4.3





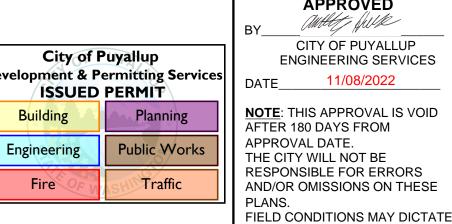
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PAVEMENT NOTES AND DETAILS

C5.1



Fire

14" MIN. FROM FACE OF CURB

TO EDGE OF PAVEMENT

L ADHESIVE, SEE NOTE

- CRUSHED SURFACING

BASE COURSE PER

WSDOT 9-03.9(3)

GEOTEXTILE FABRIC (MIRAFI 140N OR

NON-WOVEN

APPROVED

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CHANGES TO THESE PLANS AS DETERMINED BY THE CITY

ENGINEER

SEE NOTES 5 & 6 **HEAVY DUTY** CLASS 4000 CEMENT STANDARD CONCRETE PAVEMENT DUTY PER WSDOT 5-05 CRUSHED SURFACING BASE COURSE PER WSDOT 9.03-9(3) - 12" COMPACTED SUBGRADE TO 95%

1. DEPTHS ARE COMPACTED THICKNESS

CONCRETE SECTION

INSTALL CONCRETE WHEEL STOPS WITH DRAINAGE SLOTS

└3/8" BARS (2)

EDGE OF PAVEMENT OR FACE OF CURB -

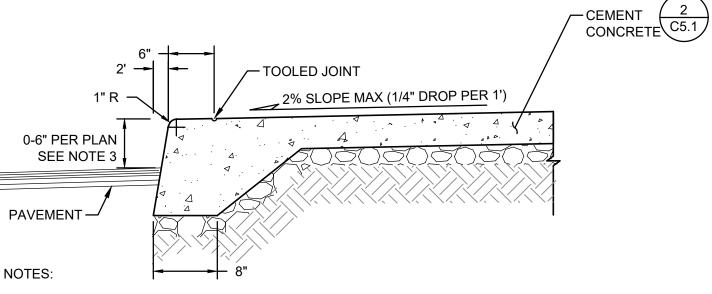
ELEVATION

-13/16" DIA. HOLES -

PLAN

WHEELSTOP

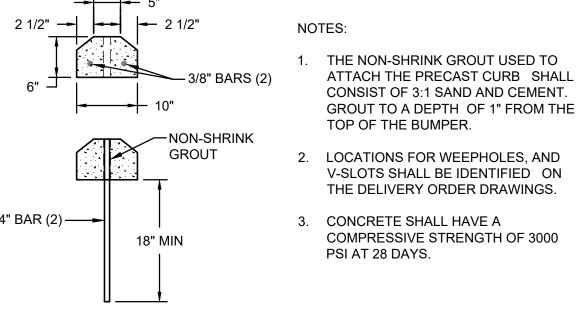
- 2. DUMMY JOINTS CONSISTING OF 3/16" BE 2" PREMOLDED JOINT MATERIAL SHALL BE PLACED AT
- 3. PROVIDE A TOOLED CONSTRUCTION JOINTS MATCHING THE JOINT LAYOUT OF THE
- 4. THE CONTRACTOR SHALL EXPOSE EXISTING FILL, PROOF ROLL AND COMPACT TO 95%. IF YIELDING CONDITIONS ARE ENCOUNTERED, YIELDING MATERIALS SHALL BE REPLACED WITH IMPORTED STRUCTURAL FILL MATERIAL. THE DEPTH OF MATERIAL REPLACEMENT SHALL BE
- 5. FOR STANDARD DUTY CONCRETE USE 6 X 6 X 1.4 X 1.4 WELDED WIRE FABRIC REINFORCEMENT AT CENTERLINE.
- 6. FOR HEAVY DUTY CONCRETE USE 6 X 6 X 2.9 X 2.9 WELDED WIRE FABRIC REINFORCEMENT AT
- 7. FOR HEAVY DUTY CONCRETE PAVEMENT CONTRACTION AND CONSTRUCTION JOINTS PROVIDE SMOOTH DOWELS SPACED 18-INCHES O.C. THE DOWELS SHALL BE NO. 10 BAR 30-INCHES LONG.

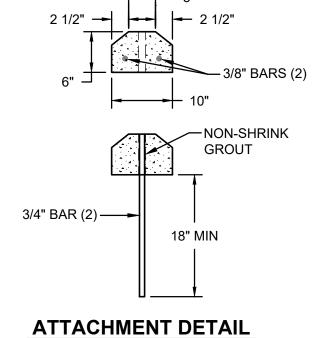


- 2. EXPANSION JOINTS CONSISTING OF 3/16" BY 2" PREMOLDED JOINT MATERIAL SHALL BE PLACED AT 15 FOOT INTERVALS. SEALED WITH POLYURETHANE TO MATCH WALK
- 3. FLUSH CURB SHALL BE 0" IN HEIGHT. TYPICAL INTEGRAL CURB VARIES PER PLAN.

2" CLR (TYP)

INEGRAL CURB AND SIDEWALK

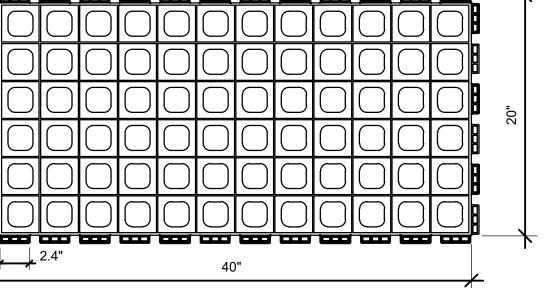




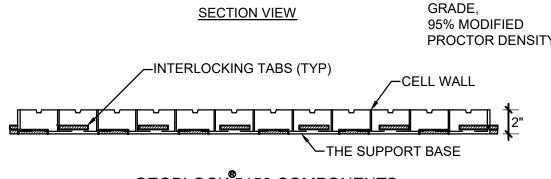
LEAST 95% MAXIMUM DRY DENSITY PER ASTM D1557. IF COMPACTION REQUIREMENT IS NOT MET, EXCAVATE AND REPLACE WITH 6" GRAVEL BASE PER WSDOT 4-02. GRAVEL

GRAVEL SECTION

NOTES:



2. GRASS TYPE SHALL BE 20% KENTUCKY BLUEGRASS, 20% -TOPSOIL WITH GRASS (SEE NOTE 2) GEOBLOCK 5150 (SEE DETAIL BELOW) -GEOTEXTILE SEPARATION LAYER



PROCTOR DENSITY

GEOBLOCK 5150 COMPONENTS

CURB AND GUTTER

FACE OF CURB 6 1/2" -5 1/2" --1'2" R

(10) GRASSPAVE NOT TO SCALE

PROVIDE RIP-RAP DOWN TO BOTTOM OF BIORETENTION POND TOP OF CURB -ASPHALT PAVEMENT

CURB DRAINAGE OPENING

1. PROVIDE CURB CUTS AT LOW POINTS AND AT 10 FEET O.C.

HEAVY DUTY

2.5"

ENGINEER.

STANDARD DUTY

ALL DEPTHS SHOWN ARE COMPACTED DEPTHS.

ASPHALT SECTION

CEMENT CONCRETE

ASPHALT

TRAFFIC CURB

C5.1 PAVEMENT

2. THE CONTRACTOR SHALL EXPOSE EXISTING FILL, PROOF ROLL

ENCOUNTERED, YIELDING MATERIALS SHALL BE REPLACED WITH IMPORTED STRUCTURAL FILL MATERIAL. THE DEPTH OF MATERIAL

REPLACEMENT SHALL BE DETERMINED BY THE GEOTECHNICAL

SURFACING PER PLAN -

AND COMPACT TO 95%. IF YIELDING CONDITIONS ARE

- HMA CLASS 1/2", PG 58H-22 PER WSDOT 5-04

CRUSHED SURFACING

#4 BARS, TYP

BASE COURSE PER

WSDOT 9.03-9(3)

- 12" COMPACTED SUBGRADE TO 95%

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MAXIMUM 18 FOOT INTERVALS.

SURROUNDING CONCRETE PAVING.

DETERMINED BY THE GEOTECHNICAL ENGINEER.

CENTERLINE.

1. SUBGRADE COMPACTION FOR CONCRETE CURB AND WALKS SHALL BE 95% OF MAXIMUM DENSITY.

1-1/2" R -

DEPTH OF -

1" R (TYP)

THE ADHESIVE SHALL MEET THE

NOT TO SCALE

REQUIREMENTS OF WSDOT

SECTION 9-26.1 FOR TYPE-II **EPOXY BONDING AGENT**

THRU JOINT

(TYP)

EXTRUDED CURB

NOTES:

EQUIVALENT) 1. DEPTHS INDICATED ARE COMPACTED THICKNESSES.

2. CRUSHED SURFACING TOP COURSE AND SUBGRADE SHALL BE COMPACTED TO AT BASE SHALL BE INCREASED AS REQUIRED TO ACHIEVE A FIRM AND UNYIELDING

> 1. ENGINEERED BASE IS A HOMOGENOUS MIXTURE CONSISTING OF CRUSHED ROCK HAVING AN AASHTO # 5 OR SIMILAR

DESIGNATION BLENDED WITH PULVERIZED TOPSOIL AND VOID COMPONENT GENERALLY CONTAINING AIR AND/OR WATER. THIS HOMOGENOUS MIXTURE WILL PROMOTE VEGETATIVE GROWTH AND PROVIDE REQUIRED STRUCTURAL SUPPORT THE AGGREGATE PORTION SHALL HAVE A PARTICLE RANGE FROM 9.5 MM TO 25 MM (0.375 TO 1.0 IN) WITH A D50 OF 13 MM (0.5 IN). THE PERCENTAGE VOID-SPACE OF THE AGGREGATE PORTION WHEN COMPACTED SHALL BE AT LEAST 30%. THE

PULVERIZED TOPSOIL PORTION SHALL EQUAL 25% +/- OF THE TOTAL VOLUME AND BE ADDED AND BLENDED TO PRODUCE A

HOMOGENOUS MIXTURE PRIOR TO PLACEMENT OR WASHED

INTO THE IN-PLACE COMPACTED AGGREGATE. ONCE PLACED,

THE MIXTURE SHALL BE COMPACTED TO 95% STANDARD

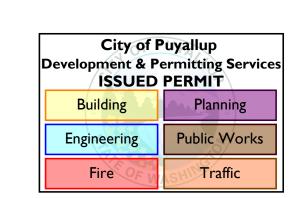
HARD FESCUE AND 60% PERENNIAL RYEGRASS.

PLAN VIEW -COMPACTED SUB

PROCTOR DENSITY

GEOBLOCK 5150-ENGINEERED BASE (SEE NOTE 1) COMPACTED SUB-GRADE, 95% MODIFIED

PROCTOR DENSITY.



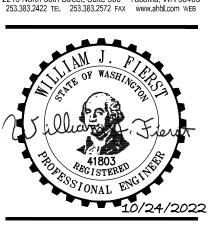
APPROVED andlet fulle CITY OF PUYALLUP ENGINEERING SERVICES 11/08/2022 DATE **NOTE**: THIS APPROVAL IS VOID

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ENGINEER





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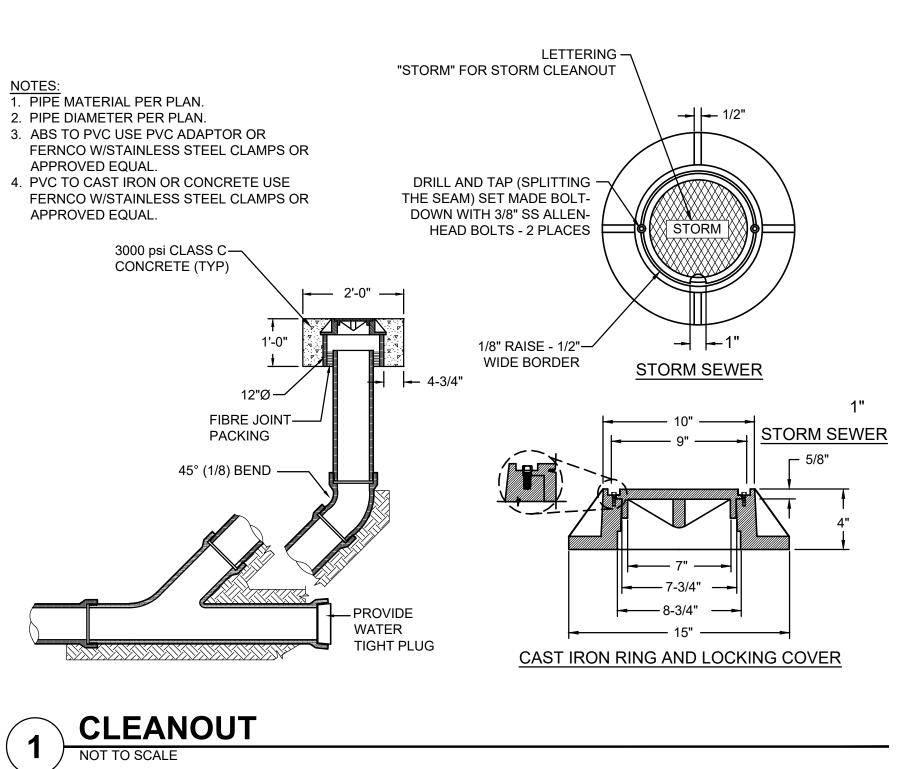
10/25/22 22135.00 Job No.: C. HOVDE Drawn By: W. FIERST Checked by

Revisions # Date Description 08/19/22 RESUBMITTAL PERMIT 2 10/25/22

RESUBMITTAL

STORM DRAINAGE **NOTES AND DETAILS**

C5.2



PLASTER INSIDE FACING WITH 1/2" MORTAR CAST IRON FRAME AND 9" CONCRETE COVER SEE CITY STANDARD COLLAR DETAIL NO. 06.01.02 HANDHOLD 6" PVC SLEEVE -ORIFICE #3 6" MIN. CLEARANCE — PRECAST RISER MASTIC AROUND TEE AT -SECTION 12" TYP. CENTER OF WALL REMOVABLE GASKETED · ORIFICE #2 👍 12" OUTLET PIPE -END PLUG IE = 511.75 FLOW 12" INLET PIPE NO SHRINK GROUT, TYP. IE = 511.75 JOINTS SHALL BE RUBBER ĭYP. → MANHOLE COUPLING GASKETED, MEET ASTM C 443 WITH RUBBER GASKET SEE PIPE SUPPORT DETAIL BELOW MANHOLE RUNGS, SEE **NOTE 3 CITY STANDARD** ORIFICE PLATE SHALL BE DETAIL NO. 06.01.03 ATTACHED WITH PVC CEMENT Ø=0.60" ELEV=509.75 PRECAST BASE WITH INTEGRAL RISER - 12" MIN. OF 1-1/4" MINUS GRAVEL BEDDING COMPACTED SUBGRADE 30° MIN. 60° MAX. CENTER LINE OF MANHOLE LID AND RUNGS REMOVABLE GASKETED **END PLUG** - DROP-IN ANCHOR WITH JAMB NUT MANHOLE WALL 1/2" MIN. SS STAINLESS STEEL THREADED ROD W/ PIPE CLAMP WASHER & NUT EACH

ELEV.= 514.25

6"ELBOW DETAIL NOT TO SCALE

- 1-1/2" ASPHALT PATCH

REMOVABLE ·

COUPLING

ORIFICE #3= 1.1"Ø -

WATER- TIGHT

RIM ELEV = 520.04

MANHOLE RING AND COVER ·

ADJUSTING RINGS 4" MIN. TO 16" MAX.,

ELEV.= 513.65

REMOVABLE

── ORIFICE #2= 0.82"Ø

SPACED AT 16" MIN.

PIPE SUPPORT

WATER- TIGHT COUPLING

NOTES FOR FLOW CONTROL MANHOLE:

- NEAT LINE CUTS SHALL BE AT TOP WITH A HOT PAVING GRADE ASPHALT AND FACE OF CUT TACKED.
- 2. FLOW CONTROL MANHOLES SHALL BE USED AS A SINGLE USE STRUCTURE.
- MANHOLE RUNG SHALL CONFORM TO SECTION R, ASTM C 478 (ASSHTO M-199) AND MEET ALL WISHA REQUIREMENTS. MANHOLE RUNGS SHALL BE PARALLEL OR APPROXIMATELY RADIAL AT THE OPTION OF THE MANUFACTURER, EXCEPT THAT ALL STEPS IN ANY MANHOLE SHALL BE SIMILAR. PENETRATION OF OUTER WALL BY A RUNG LEG IS PROHIBITED. SEE MANHOLE STEP AND LADDER DETAIL, CITY STANDARD DETAIL NO. 06.01.04.
- 4. PRECAST RISER SECTION SHALL BE FURNISHED WITH CUTOUTS OR KNOCKOUTS. KNOCKOUTS SHALL HAVE WALL THICKNESS OF TWO (2) INCHES MINIMUM. KNOCKOUT OR CUTOUT HOLE SIZE IS EQUAL TO PIPE OUTER DIAMETER PLUS MANHOLE WALL THICKNESS. MINIMUM DISTANCE BETWEEN HOLES IS EIGHT (8) INCHES.
- 5. PRECAST CONCRETE MANHOLE COMPONENTS SHALL CONFORM TO ASTM C 478.
- 6. FLEXIBLE JOINTS SHALL BE RUBBER GASKETED IN ACCORDANCE WITH THE WSDOT STANDARD SPECIFICATIONS. MORTARED, DRY-PACKED, OR CAST-IN-PLACE JOINTS WILL BE PERMITTED FOR CONNECTIONS TO OR THROUGH MANHOLES. A FLEXIBLE GASKETED JOINT SHALL BE INSTALLED WITHIN ONE (1) FOOT OF EACH CONNECTION TO OR THROUGH SAID MANHOLES. CONNECTIONS TO MANHOLE WITH PVC PIPE SHALL UTILIZE A MANHOLE COUPLING AND RUBBER GASKET.
- 7. THE COVER ON THE MANHOLE SHALL BE MARKED WITH "STORM" OR "DRAIN" IN TWO (2) INCH RAISED LETTERS. SEE MANHOLE RING AND COVER DETAIL, CITY STANDARDS DETAIL NO. 06.01.02 AND 06.01.03.
- 8. STAINLESS STEEL PIPE CLAMP WITH 1/2" DIAMETER STAINLESS STEEL THREADED ROD WITH WASHER AND NUT EACH SIDE OF CLAMP. PROVIDE 1/2" DIAMETER DROP-IN ANCHOR WITH JAMB NUT AT WALL. PIPE CLAMPS SHALL BE PLACED AT SIXTEEN (16) INCHES ON CENTER.
- 9. FLOW CONTROL UNIT SHALL BE MADE FROM PVC PIPE AND SHALL CONFORM TO THE STANDARD PIPE SPECIFICATIONS.

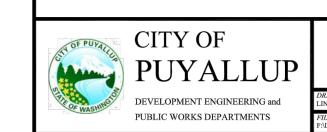
TIGHTLINE T-JOINT

FINISHED GRADE

COMPACT TRENCH BOTTOM TO 90%

MAX. DRY DENSITY. REMOVE ALL

LOOSE MATERIAL FROM TRENCH.



FIELD UNDERDRAIN (C2.5)

1/8" x 3/8" PEA

NOTE: PIPE SHALL BE

CORRUGATED HEAVY DUTY

POLYETHYLENE TUBING

GRAVEL BACKFILL

FLOW CONTROL MANHOLE

	NC	DTES				
WN BY OA LANSING	CHECKED BY LINDA LIAN	APPROVED BY COLLEEN HARRIS	S	REVISED B	Y	CITY STANDARD
<i>NAME</i> VG\COMMON\STDS\CITY\2	2009\02_SD\02.01.08	DATE APPROVED 09/01/1992		TE REVISED 01/2003	SCALE NTS	02.01.0

FINISHED GRADE SCH 40 TYP. CLEANOUT 6" PVC SCH 40 TYP. FOOTING DRAIN $\frac{3}{(C5.2)}$ PROVIDE -BUILDING FOUNDATION. REFER FITTINGS AS TO STRUCTURAL DRAWINGS. CONNECT TO REQUIRED DOWNSTREAM 8" **ROOF DRAIN LINE DOWNSPOUT CONNECTION**

6" MIN ─

18" MIN

ROOF DOWNSPOUT—

SEE ARCHITECTURAL DETAILS.

6" STAINLESS STEEL CAP —

CUT HOLE TO ALLOW

WITH 1/8" CLEARANCE.

DOWNSPOUT TO PENETRATE

1 CLEANOUT FRAME AND —

GRATE PER DETAIL

SURFACE SEAL; NATIVE SOIL OR OTHER LOW PERMEABILITY MATERIAL

GRAVEL BACKFILL FOR DRAINS; WSDOT STANDARD SPECIFICATIONS, SECTION 9-03.12(4),

- FINISHED FLOOR

FOUNDATION STRUCTURE DRAIN PIPE; PERFORATED OR SLOTTED RIGID PVC PIPE LAID WITH PERFORATIONS OR SLOTS FACING DOWN; TIGHT JOINTED; WITH A POSITIVE GRADIENT. DO NOT USE FLEXIBLE

CORRUGATED PLASTIC PIPE. DO NOT TIE BUILDING DOWNSPOUT DRAINS INTO FOOTING GEOTEXTILE FABRIC MIRAFI 140N OR APPROVED EQUIVALENT - FULLY ENCASE GRAVEL BACKFILL FOR DRAINS

FIELD UNDERDRAIN

CLEAR

TOP VIEW

CONTROL STRUCTURE - SDCB 18

LAWN -- FINISHED GRADE *************** FIELD SOIL MIX PEA GRAVEL BACKFILL 4" PERF. PIPE FIRM TRENCH SIDES WITH **GEOTEXTILE** NO LOOSE MATERIAL ON FABRIC - WRAP **BOTTOM OF TRENCH** W/6" OVERLAP

SIDE OF CLAMP

COLLECTOR DRAIN

TIGHTLINE COLLECTOR DRAIN -

SIZE AS PER PLAN

FOOTING DRAIN

SEE ARCHITECTURAL DRAWINGS FOR DAMNPROOFING -

PROPOSED

ROOF DRAIN

GEOTEXTILE

GRAVEL BACKFILL FOR DRAINS -

4" MINIMUM DIA, 12"

INTERIOR SLAB

MIN BELOW BASE OF

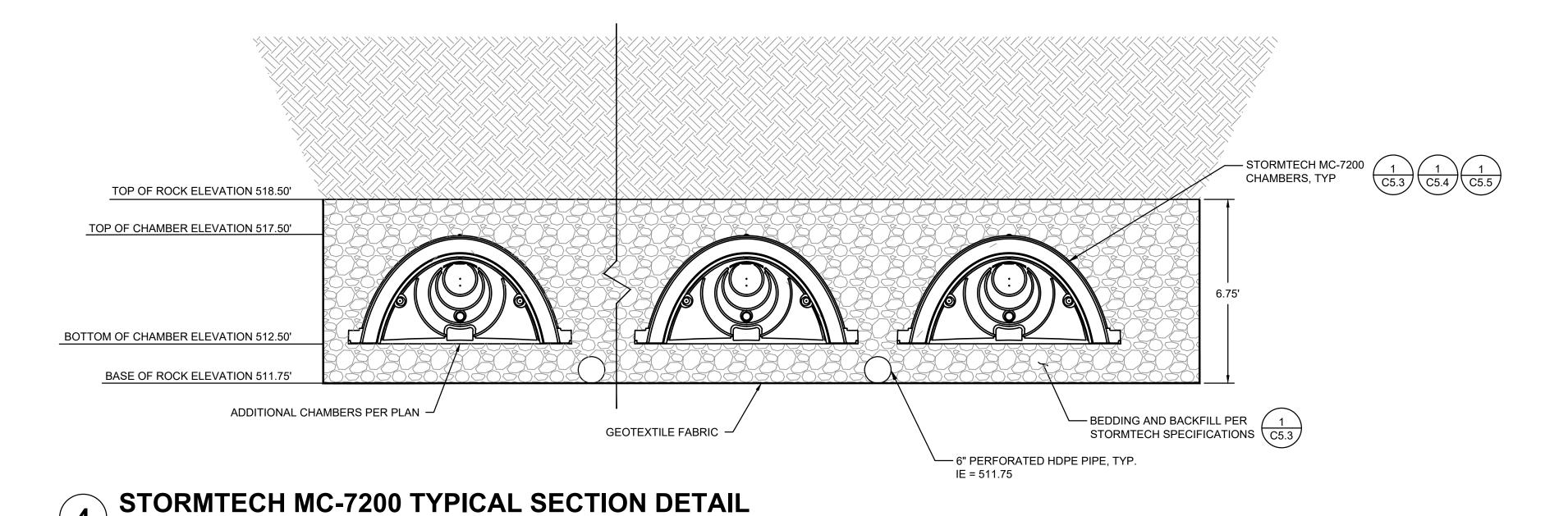
FABRIC MIRAFI 140N OR

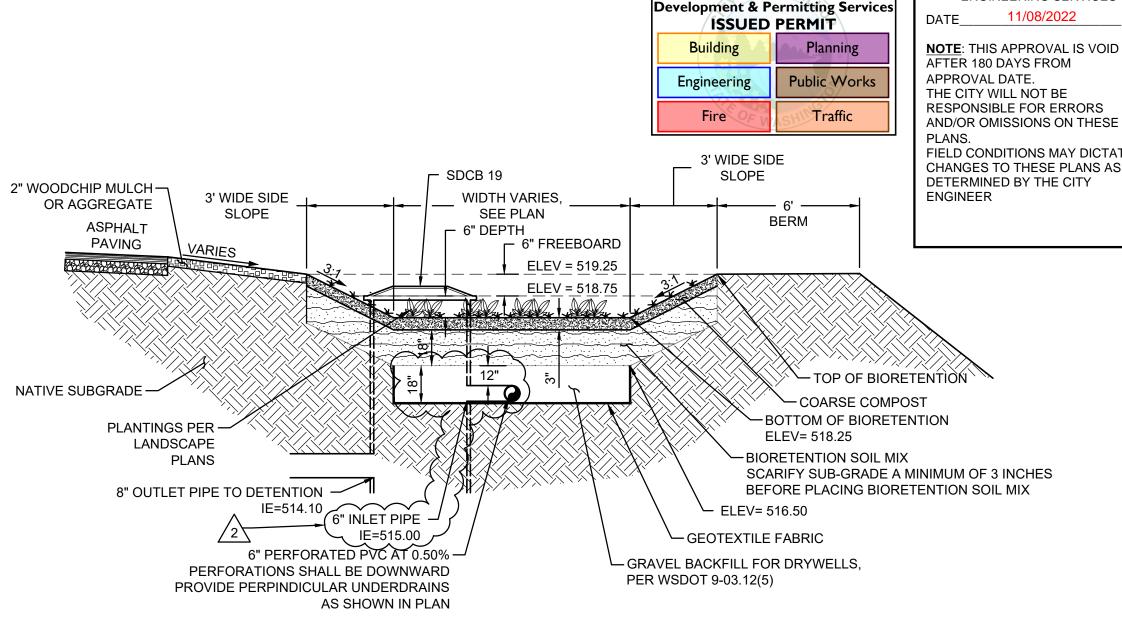
APPROVED EQUIVALENT

AND WATERPROOFING INFORMATION

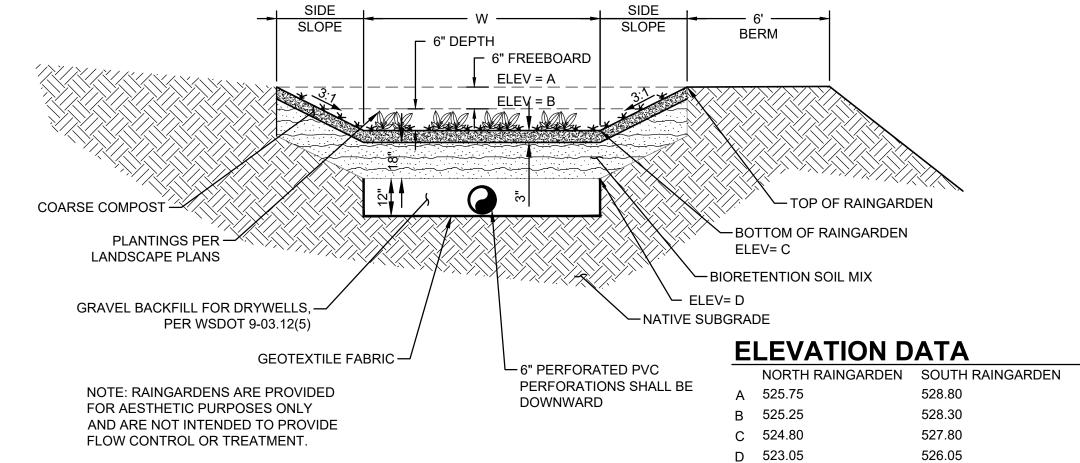
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STORMTECH MC-7200 CHAMBER DETAIL 1

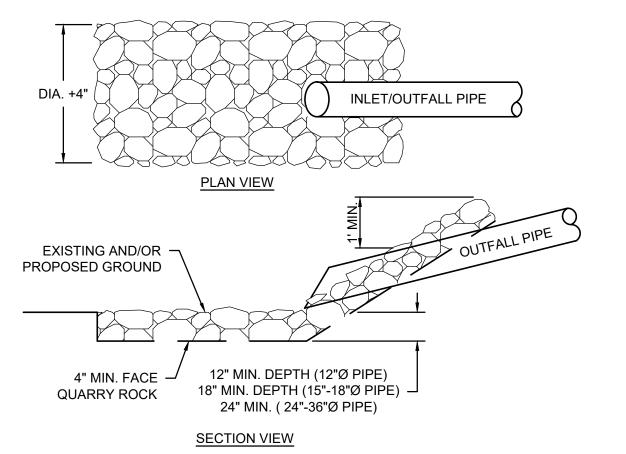




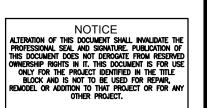




TYPICAL RAINGARDEN SECTION DETAIL



ROCK OUTFALL PROTECTION





Date:	10/25/22
Job No.:	22135.00
Drawn By:	C. HOVD
Checked by:	W. FIERS

1 (CVISIONS					
#	Date	Description			
1	08/19/22	PERMIT RESUBMITTAL			
2	10/25/22	PERMIT RESUBMITTAL			

STORM DRAINAGE NOTES AND **DETAILS**

SITE PERMIT SET

CITY OF PUYALLUP **ENGINEERING SERVICES**

City of Puyallup

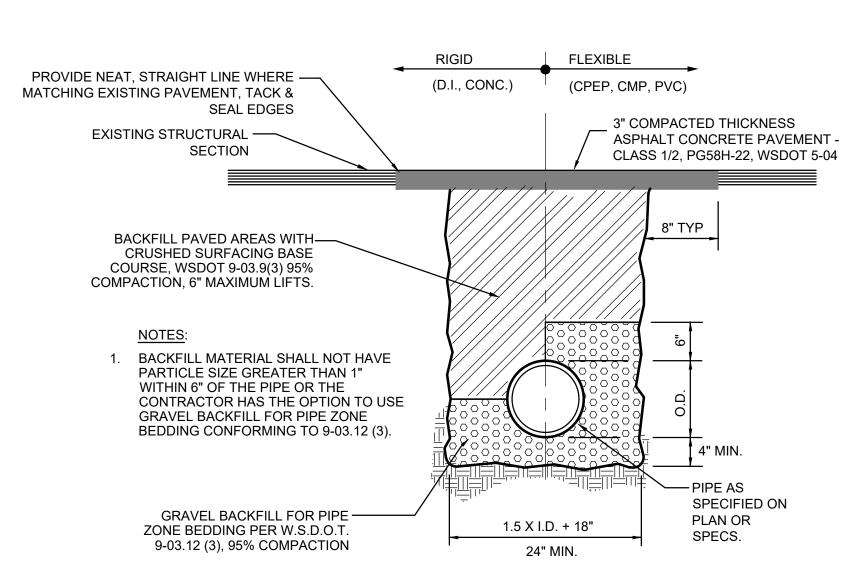
APPROVED Millett HUID

FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS

STORMTECH MC-7200 CHAMBER DETAIL 2

RIGID FLEXIBLE (D.I., CONC.) (CPEP, CMP, PVC) -SUBGRADE **ELEVATION** BACKFILL PAVED AREAS WITH CRUSHED -SURFACING BASE COURSE, WSDOT 9-03.9(3) 95% COMPACTION, 6" MAXIMUM LIFTS. NATIVE PIPE AS MATERIAL MAY BE USED IF IT MEETS THE SPECIFIED ON REQUIREMENTS OF STRUCTURAL FILL AND PLANS COMPACTION CAN BE ACHIEVED AS APPROVED BY THE GEOTECHNICAL ENGINEER. BACKFILL UNPAVED AREAS WITH NATIVE MATERIAL OR GRAVEL BACKFILL FOR PIPE BEDDING, 90% COMPACTION, 12" MAXIMUM LIFTS. BACKFILL MATERIAL SHALL NOT HAVE PARTICLE SIZE GREATER THAN 1" WITHIN 6" OF THE PIPE OR THE CONTRACTOR HAS THE OPTION TO USE GRAVEL BACKFILL PIPE ZONE BEDDING GRAVEL BACKFILL FOR CONFORMING TO WSDOT 9-03.12 (3). PIPE ZONE BEDDING 1.5 X I.D. + 18" PER WSDOT 9-03.12(3) 95% COMPACTION 24" MIN.





PAVEMENT PATCHING AND TRENCH DETAIL

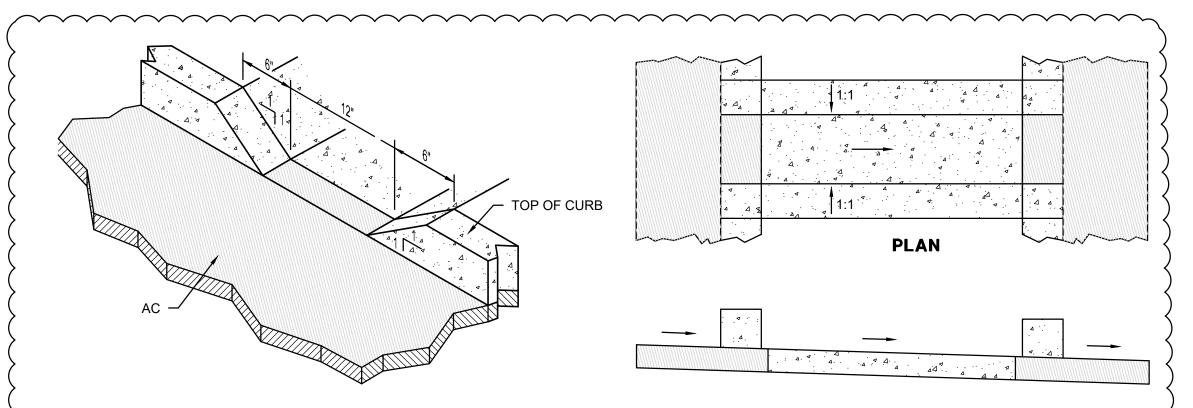
STORMWATER MANAGEMENT NOTES:

- 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
- 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 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.
- 10. MANHOLE RING AND COVER SHALL CONFORM TO CITY STANDARD DETAIL 06.01.02.

SHALL BE 1.0 FOOT.

SHALL BE 3-FEET.

- 11. 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.
- 12. 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.
- 13. 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 ROUND) 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 FEET.
- 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
- 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
- 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.



CURB DRAINAGE OPENING AT PARKING ISLAND

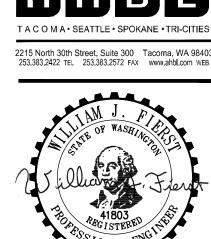
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APPROVED MALLE AWAR CITY OF PUYALLUP ENGINEERING SERVICES 11/08/2022

NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE

FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE CITY **ENGINEER**

City of Puyallup velopment & Permitting Services ISSUED PERMIT Planning Public Works Traffic



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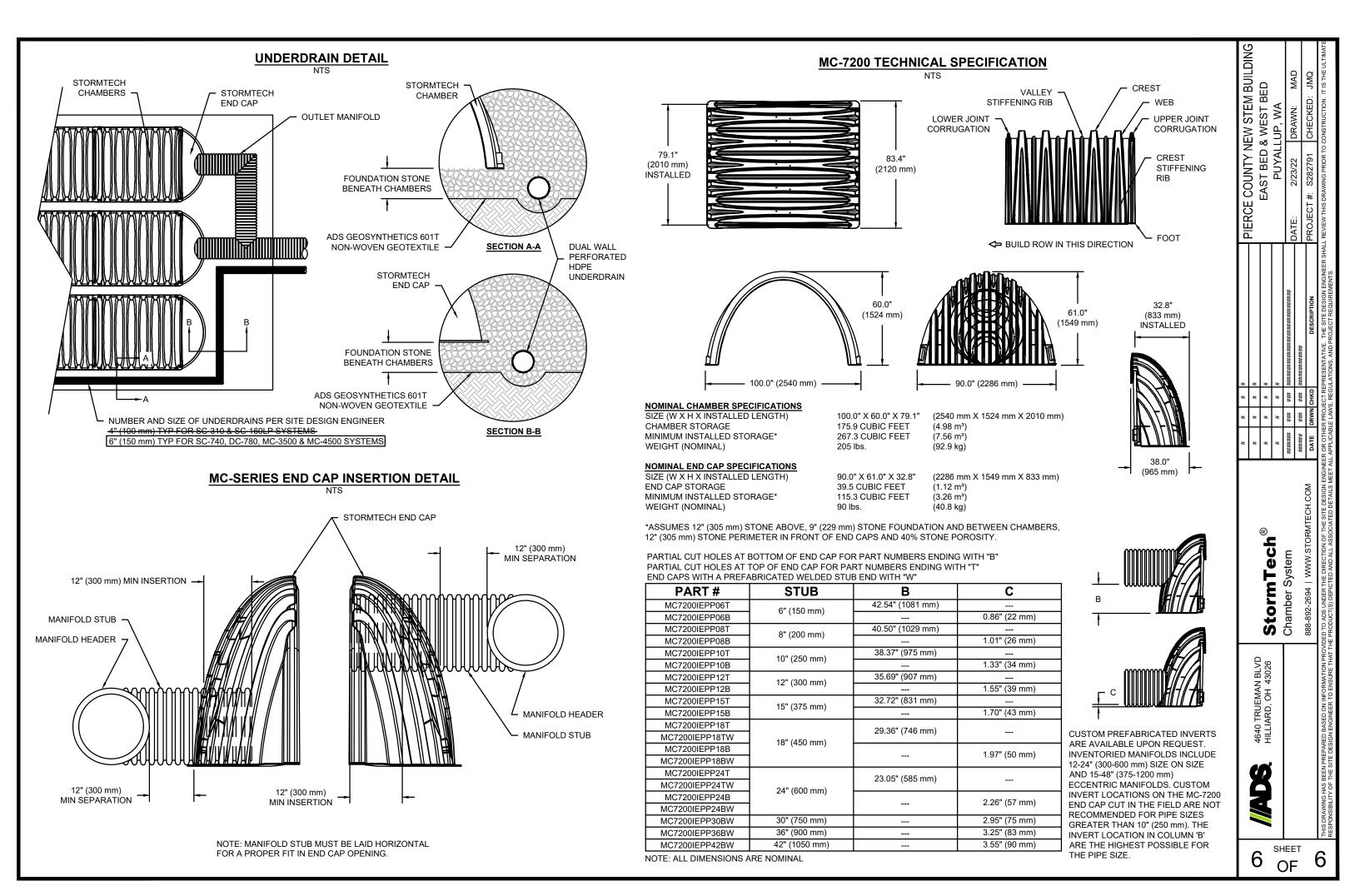
Date:	10/25/22
Job No.:	22135.00
Drawn By:	C. HOVD
Checked by:	W. FIERS

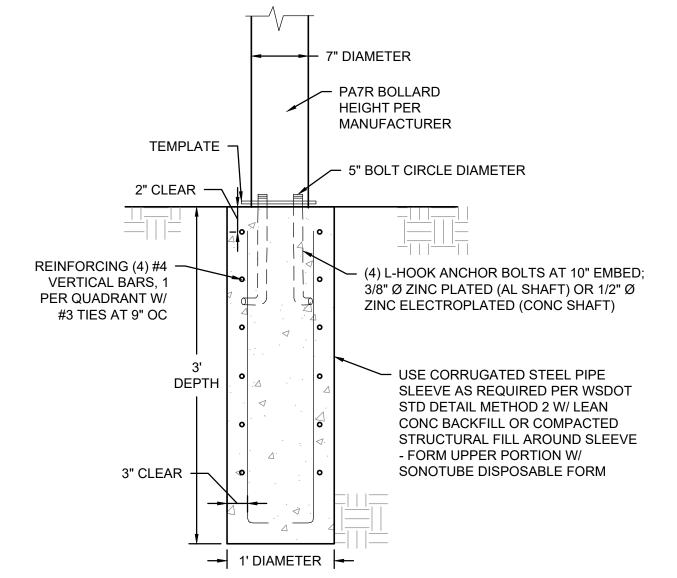
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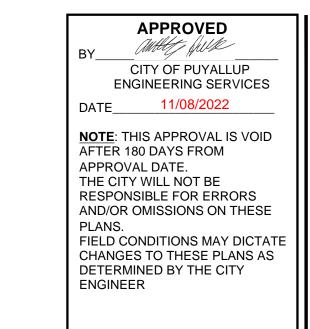
STORM DRAINAGE **NOTES AND DETAILS**

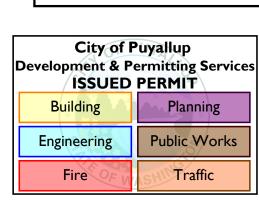
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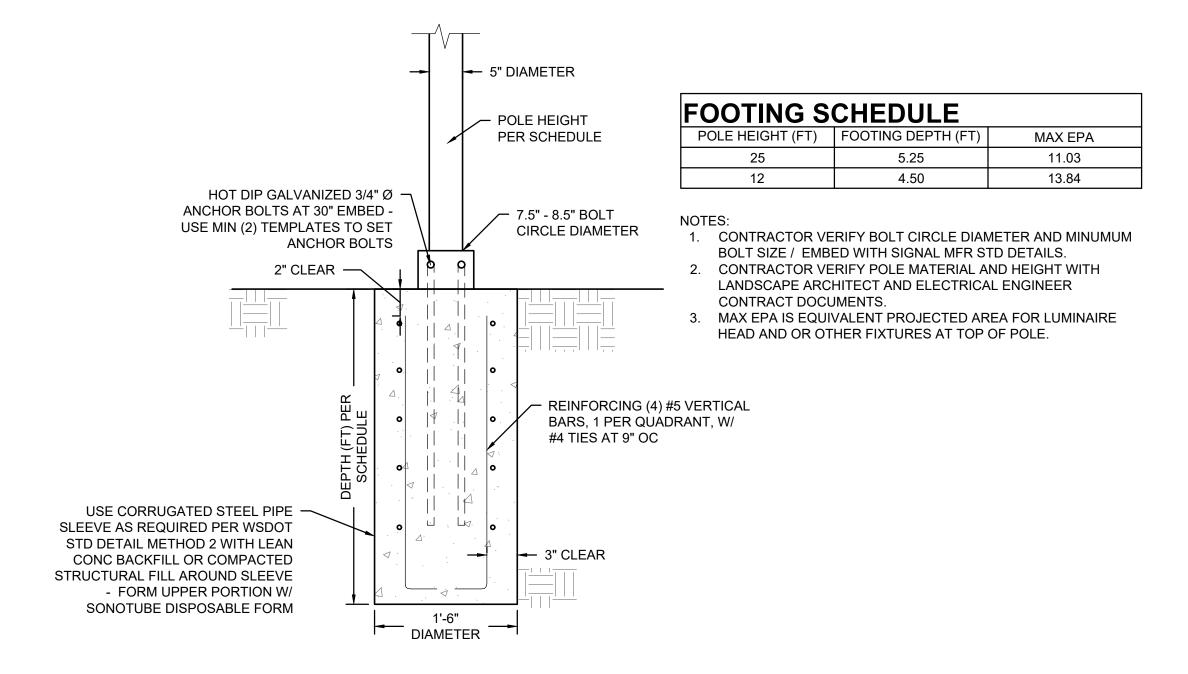




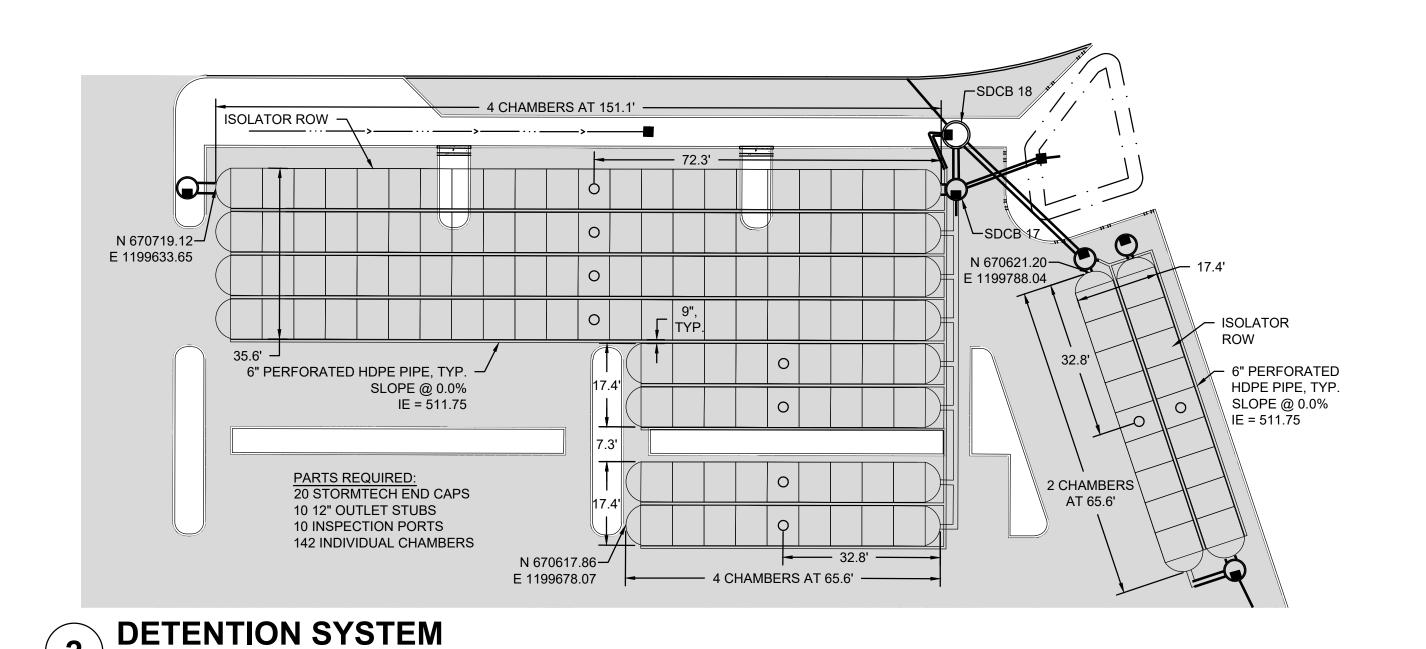


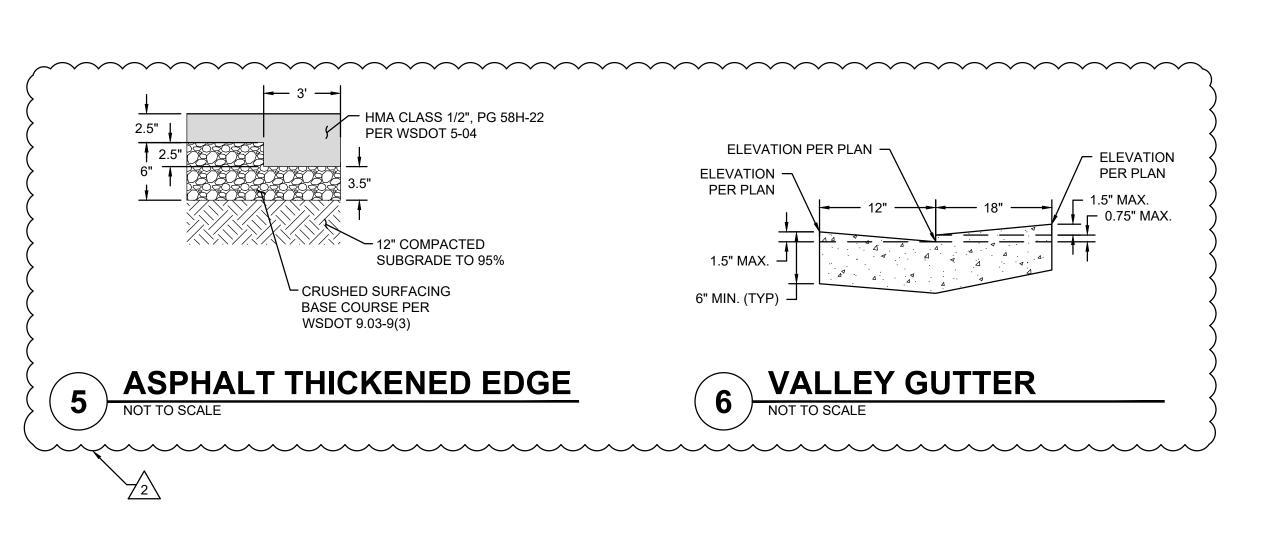


PEDESTRIAN BOLLARD FOUNDATION

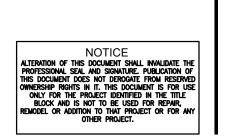








LIGHTPOLE FOUNDATION DETAIL



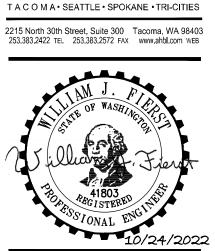
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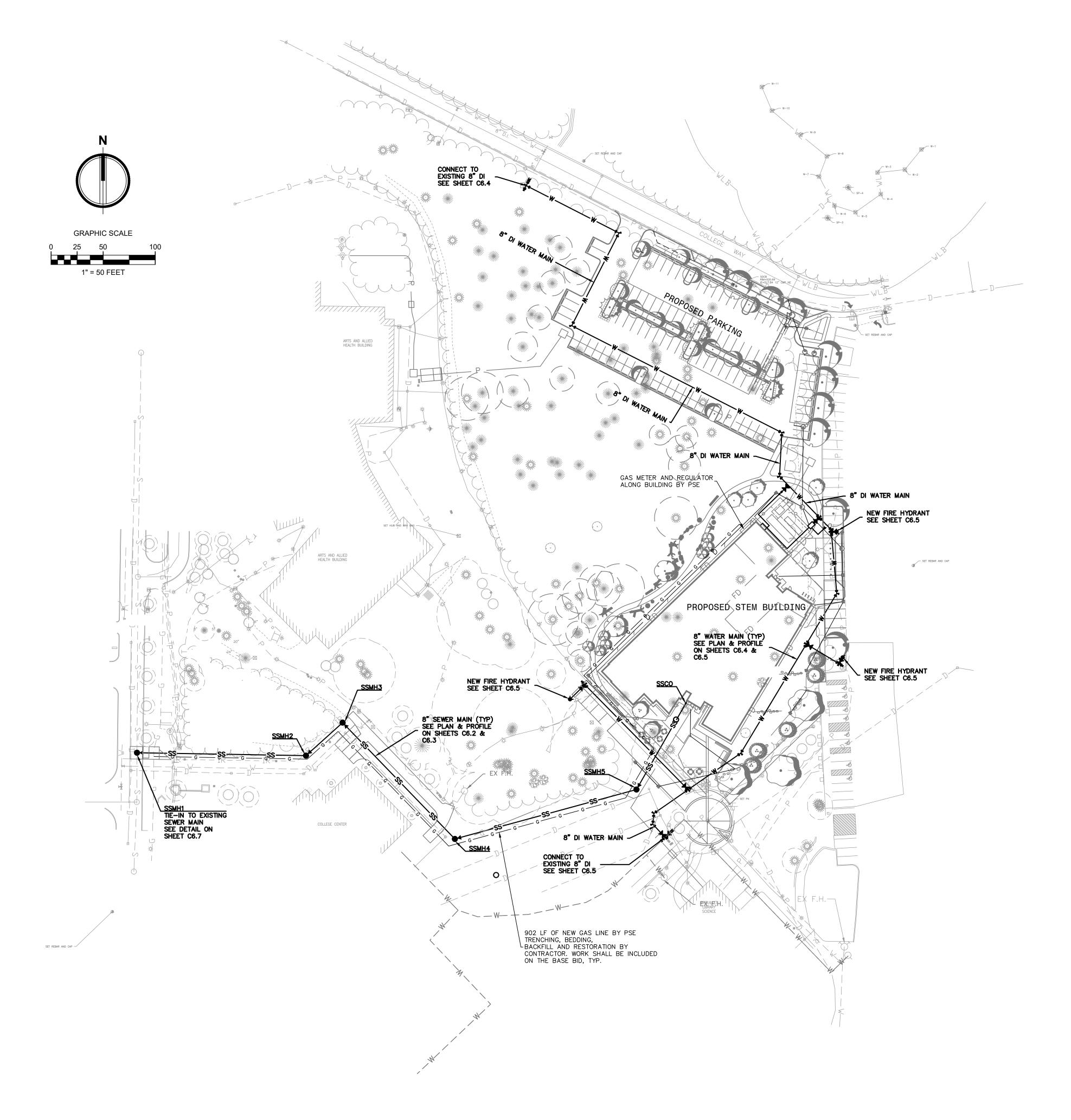
STORM DRAINAGE

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NOTES AND **DETAILS**



LEGEND: **APPROVED** STORM DRAIN MANHOLE CITY OF PUYALLUP ENGINEERING SERVICES STORM CATCH BASIN 11/08/2022 SANITARY SEWER MANHOLE NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM SANITARY SEWER CLEANOUT APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE POWER VAULT STREET LIGHT ON UTILITY POLE FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE CITY **ENGINEER** ELECTRICAL JUNCTION BOX TELEPHONE MANHOLE TELEPHONE JUNCTION BOX City of Puyallup elopment & Permitting Services FIRE HYDRANT **ISSUED PERMIT** WATER VALVE Engineering WATER METER

PSE GAS FACILITIES EXCAVATION REQUIREMENTS:

HANDICAPPED PARKING

DECIDUOUS TREE

EVERGREEN TREE

STORM DRAIN LINE

WATER LINE

SANITARY SEWER LINE

--- PROPOSED SEWER MAIN

PROPOSED GATE VALVE

--- PROPOSED WATER MAIN

----- PROPOSED GAS MAIN

WATER MAIN THRUST BLOCKING

PROPOSED SANITARY SEWER MANHOLE PER COP STD DTL 04.01.01

PROPOSED FIRE HYDRANT ASSEMBLY PER COP STD DTL 03.05.01

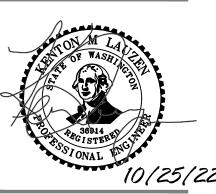
THE REQUIREMENTS AND CONDITIONS OUTLINED BELOW APPLY WHEN EXCAVATING FOR PSE'S GAS FACILITIES AS A CONDITION OF RECEIVING GAS SERVICE FOR THE PROJECT.

- 1. CITY IS NOT REVIEWING OR APPROVING THE LOCATION OF THE GAS LINE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE ALL GAS RELATED WORK WITH PSE.
- ONE-CALL, 1-800-424-5555 AT LEAST 48 HOURS (TWO FULL WORKING WEEK DAYS) PRIOR TO DIGGING. THE EXCAVATION MUST MEET THE REQUIREMENTS OF THE WASHINGTON ADMINISTRATIVE CODE AND SAFETY STANDARDS.
- 3. CONTRACTOR SHALL CALL THE PSE CONTACT PERSON FOR TRENCH AND ROUTE APPROVAL PRIOR TO STARTING EXCAVATION.
- 4. THE GAS MAIN TRENCH SHALL BE EXCAVATED TO PROVIDE A MINIMUM OF 36 INCHES OF FACILITY COVERAGE, TO A MAXIMUM TRENCH DEPTH OF 48
- 5. USE SOIL BACKFILL THAT IS FREE FROM CONSTRUCTION DEBRIS, SHARP ROCKS, GLASS, FROZEN CLODS, AND ROCKS LARGER THAN 10 INCHES IN DIAMETER. CONTRACTOR SHALL PROVIDE AND INSTALL SAND (PER PSE SPECIFICATIONS) BEDDING AND SHADING FOR GAS FACILITY PROTECTION AS DIRECTED BY PSE'S CONTACT PERSON. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES CAUSED BY IMPROPER BACKFILL OR COMPACTION.
- CLEARANCE BETWEEN PSE CONDUIT, PIPE OR CONDUCTORS AND ANY FOUNDATION ON DEVELOPER'S PROPERTY.
- MAINS IF INSTALLING PAVEMENT OR CURBS.
- 8. CONTRACTOR SHALL PROVIDE THE EXCAVATION FOR PSE GAS FACILITIES WITHIN THE DESIGNED LOCATION. CONTRACTOR SHALL IDENTIFY AND PROVIDE FINAL GRADE, PROPERTY LINES, AND UTILITY EASEMENTS PRIOR TO INSTALLATION OF PSE'S GAS FACILITIES.
- 9. CONTRACTOR WILL BE FINANCIALLY LIABLE FOR THE RELOCATION OF PSE'S FACILITIES WHICH ARE INADEQUATELY COVERED, LOCATED OUTSIDE THE AREA WHERE PSE HAS ADEQUATE OPERATING RIGHTS, IMPROPERLY GRADED INHIBITING STANDARD ACCESS AND/OR ANY DAMAGES RESULTING FROM DIG-INS DUE TO CHANGES OR VARIATIONS IN GRADE THAT ARE MADE AFTER

Planning

Traffic





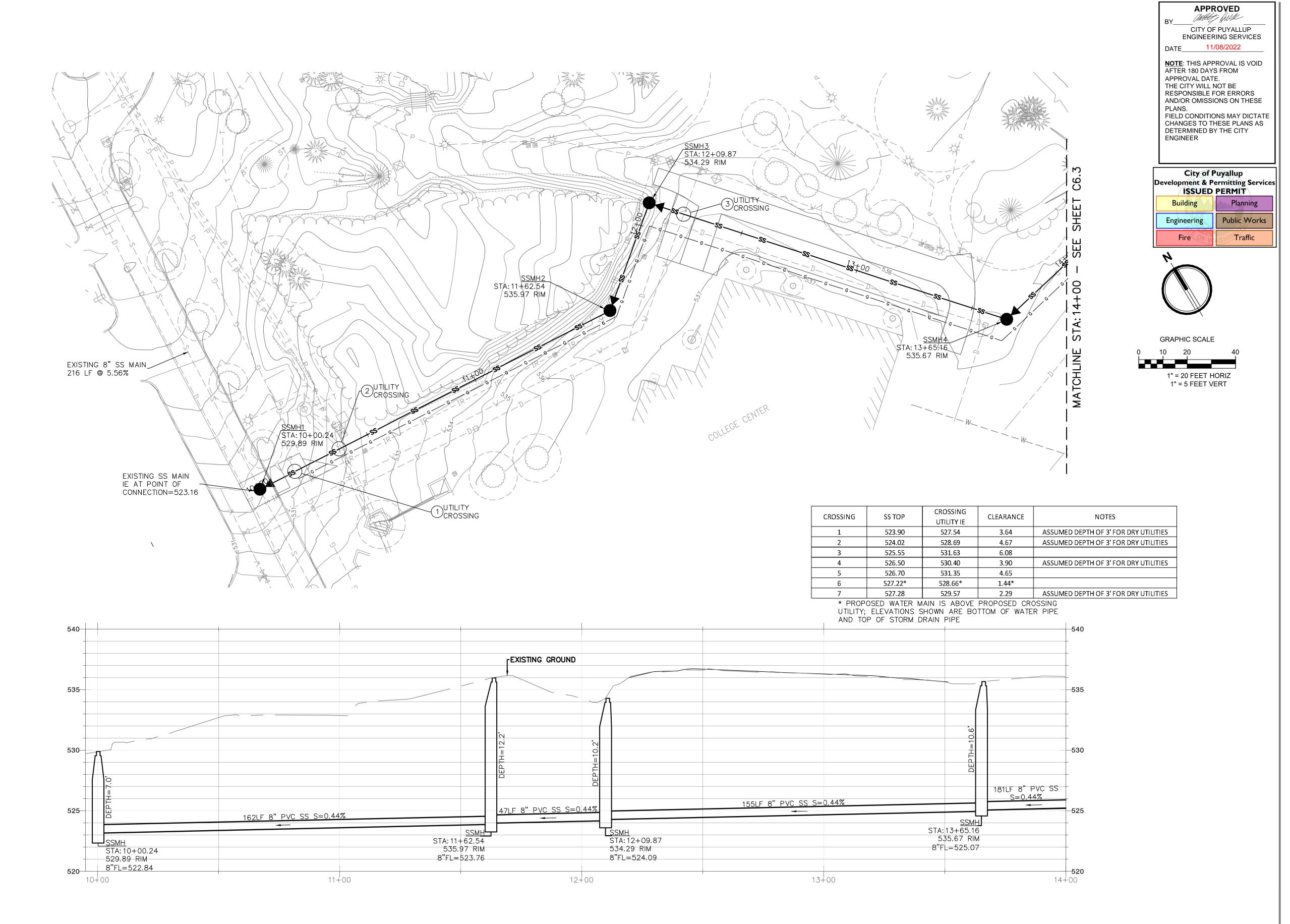
- 2. CONTRACTOR IS RESPONSIBLE FOR ACQUIRING UTILITY LOCATES BY CALLING

- 6. CONTRACTOR AGREES TO MAINTAIN A MINIMUM OF 2 FEET OF HORIZONTAL
- 7. CONTRACTOR SHALL ALLOW 45 DAYS PRIOR NOTICE TO PSE TO ACCESS GAS
- THE INSTALLATION OF PSE'S FACILITIES.

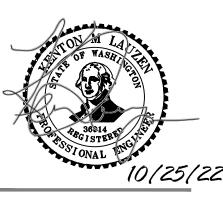
GE MBUI h AVE SE WA 9837 Z PIERC

Date) :	08/19/22	
Job	No.:	22135.00	
Drav	vn By:	E.Rivera	
Checked by:		K.Lauzen	
	Rev	isions	
#	Date	Description	
8/19/22		REVISIONS	

PROPOSED SANITARY SEWER AND WATER OVERALL PLAN





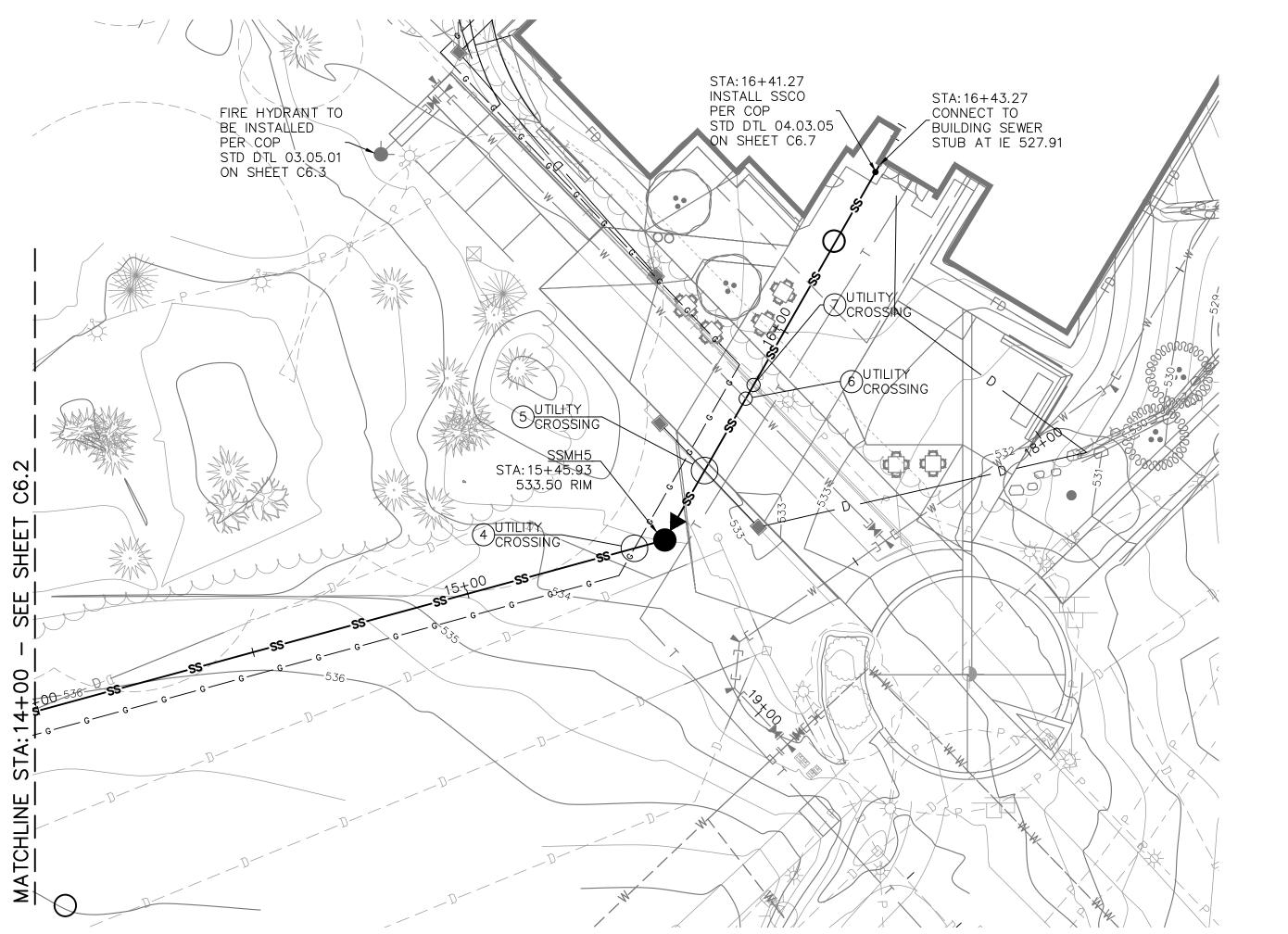


0 T NO.: 2020 EGE PUYALL M BUILDING th AVE SE wa 98374 STATE | PIERCI

Date	e:	08/19/22
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		K.Lauzen
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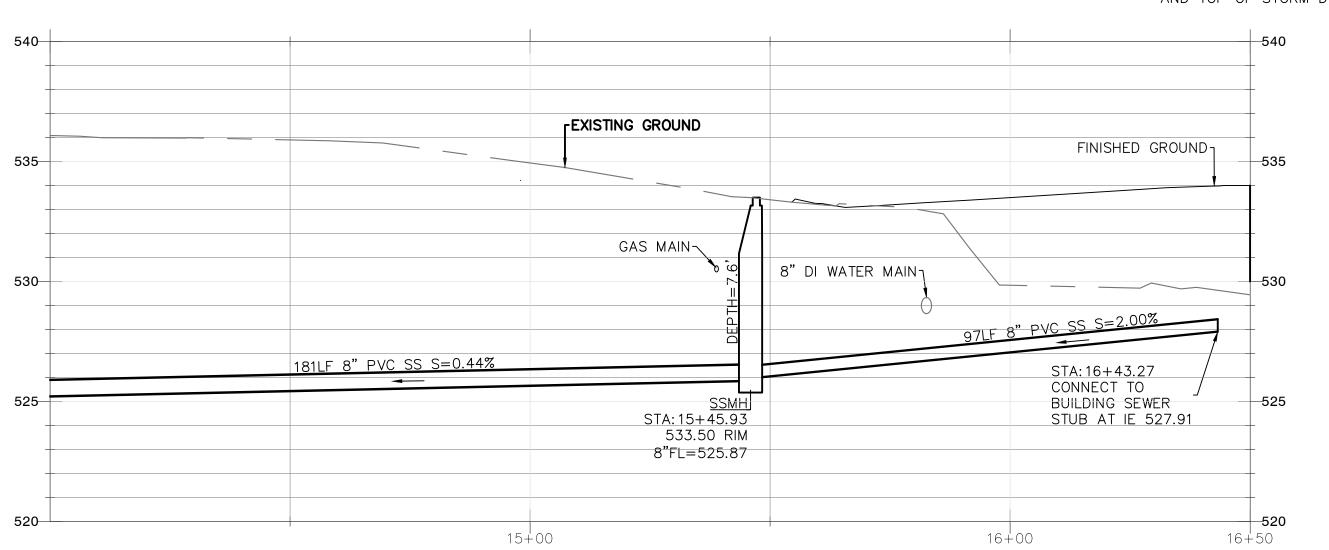
8/19/22 REVISIONS

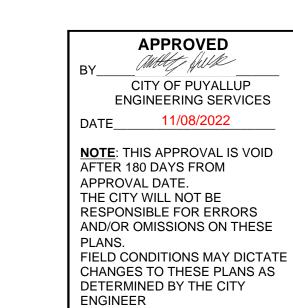
PROPOSED SANITARY SEWER MAIN PLAN & PROFILE

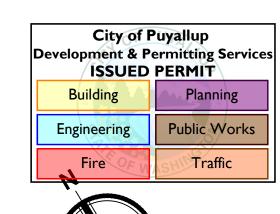


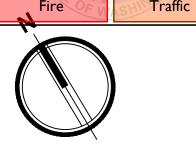
CROSSING	SS TOP	CROSSING UTILITY IE	CLEARANCE	NOTES
1	523.90	527.54	3.64	ASSUMED DEPTH OF 3' FOR DRY UTILITIES
2	524.02	528.69	4.67	ASSUMED DEPTH OF 3' FOR DRY UTILITIES
3	525.55	531.63	6.08	
4	526.50	530.40	3.90	ASSUMED DEPTH OF 3' FOR DRY UTILITIES
5	526.70	531.35	4.65	
6	527.22*	528.66*	1.44*	
7	527.28	529.57	2.29	ASSUMED DEPTH OF 3' FOR DRY UTILITIES

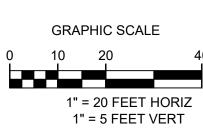
* PROPOSED WATER MAIN IS ABOVE PROPOSED CROSSING UTILITY; ELEVATIONS SHOWN ARE BOTTOM OF WATER PIPE AND TOP OF STORM DRAIN PIPE



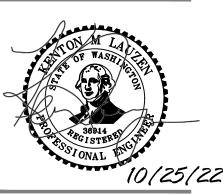












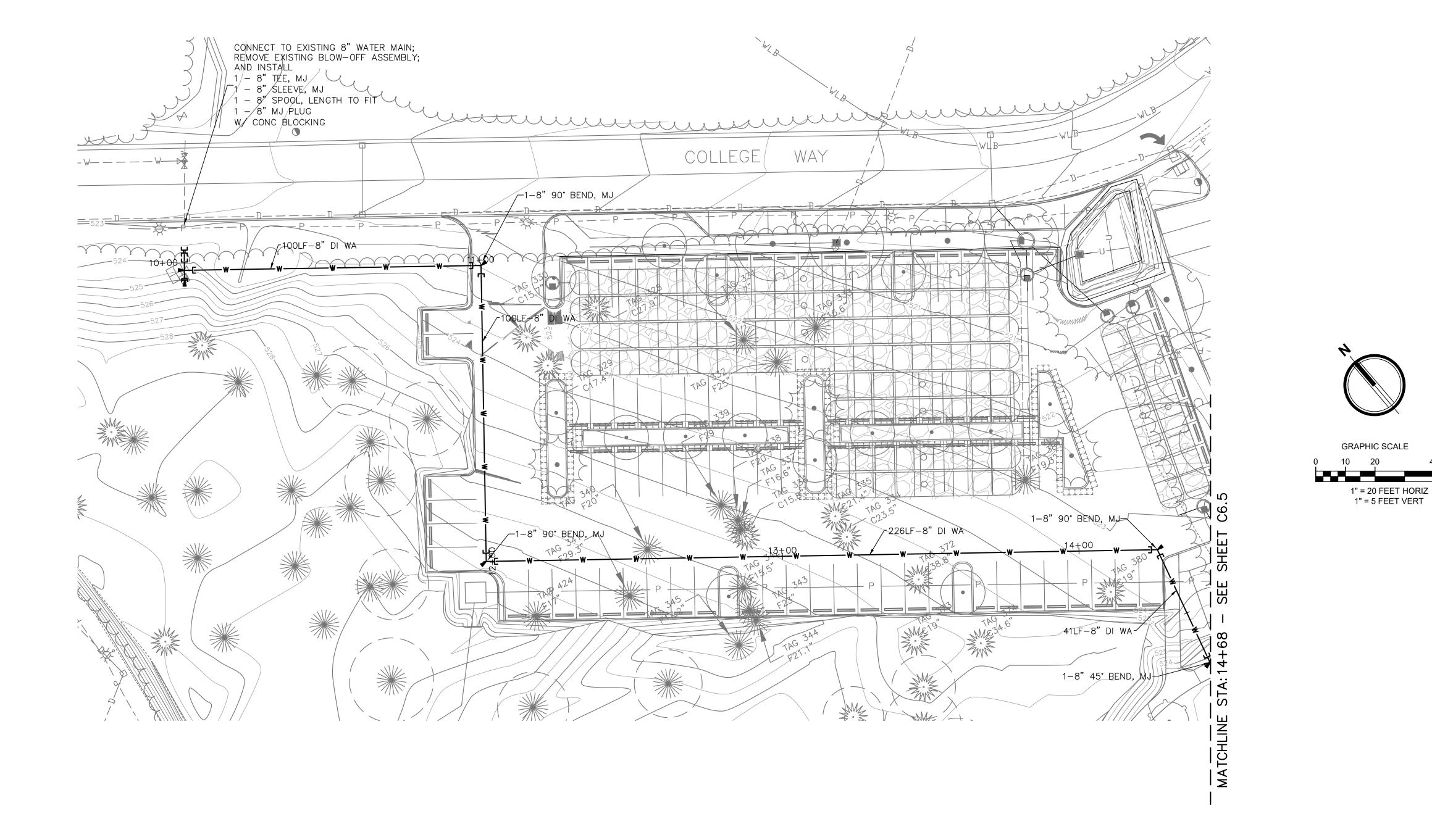
0 EGE PUYALL M BUILDING th AVE SE , WA 98374 20 STATE | PIERCI

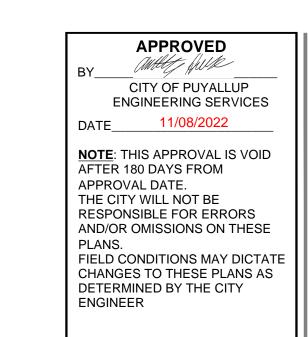
Date	9 :	08/19/22
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		K.Lauzen
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8/19/22 REVISIONS

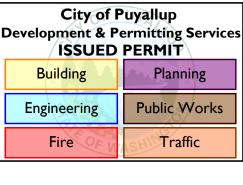
PROPOSED SANITARY SEWER MAIN PLAN &

PROFILE





Development & Po	City of Puyallup Development & Permitting Service ISSUED PERMIT			
Building	Planning			
Engineering	Public Works			
Fire OF W	SHIT Traffic			
Fire OF W	SHINTraffic			











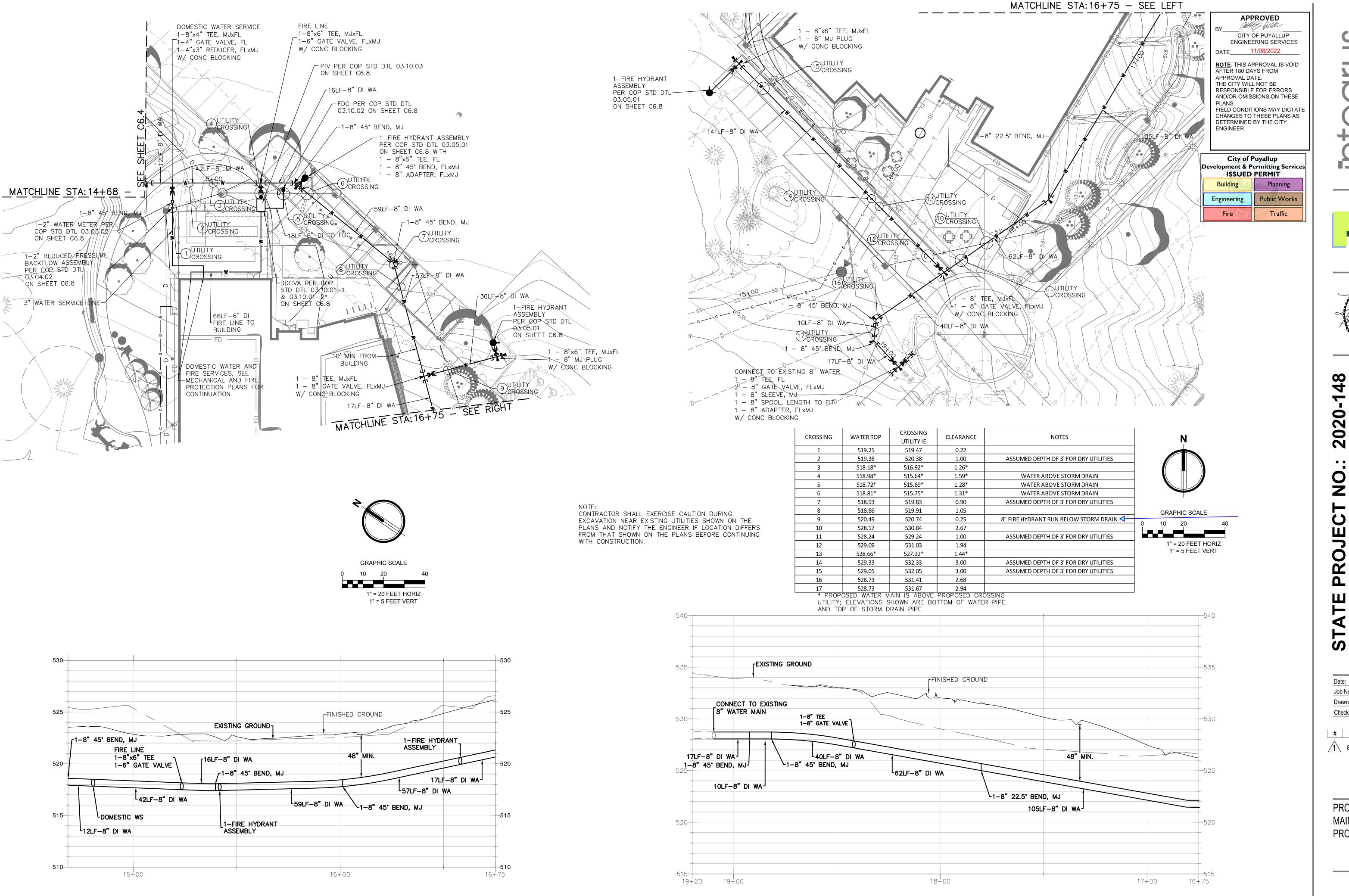
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Drawn By:	E.Rivera	
Checked by:	K.Lauzen	
Revisions		

8/19/22 REVISIONS

PROPOSED WATER MAIN PLAN & PROFILE











PUYAI ILDING A BUII h AVE SE WA 9837 NEW PIERC

Date:		08/19/22
Job No.:		22135.00
Drawn By:		E.Rivera
Checked by:		K.Lauzen
Revisions		
# Date Description		Description

Date Description **1** 8/19/22 REVISIONS

PROPOSED WATER MAIN PLAN & PROFILE

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 CITY 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 THAT REQUIRES REMOVAL OR RELOCATION RELATING TO THIS PROJECT SHALL BE DONE SO AT THE DEVELOPER'S

8. LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE TRUE ELEVATIONS AND LOCATIONS OF HIDDEN UTILITIES. ALL VISIBLE ITEMS SHALL BE THE ENGINEER'S RESPONSIBILITY.

9. THE CONTRACTOR SHALL INSTALL, REPLACE, OR RELOCATE ALL SIGNS, AS SHOWN ON THE PLANS OR AS AFFECTED BY CONSTRUCTION, PER CITY

10. POWER, STREET LIGHT, CABLE, AND TELEPHONE LINES SHALL BE IN A TRENCH LOCATED WITHIN A 10-FOOT UTILITY EASEMENT ADJACENT TO PUBLIC RIGHT-OF-WAY. RIGHT-OF-WAY CROSSINGS SHALL HAVE A MINIMUM HORIZONTAL SEPARATION FROM OTHER UTILITIES (SEWER, WATER, AND STORM) OF 5

11. ALL CONSTRUCTION SURVEYING FOR EXTENSIONS OF PUBLIC FACILITIES SHALL BE DONE UNDER THE DIRECTION OF A WASHINGTON STATE LICENSED LAND SURVEYOR OR A WASHINGTON STATE LICENSED PROFESSIONAL CIVIL ENGINEER.

12. DURING CONSTRUCTION, ALL PUBLIC STREETS ADJACENT TO THIS PROJECT SHALL BE KEPT CLEAN OF ALL MATERIAL DEPOSITS RESULTING FROM ON-SITE CONSTRUCTION, AND EXISTING STRUCTURES SHALL BE PROTECTED AS DIRECTED BY THE CITY.

13. CERTIFIED RECORD DRAWINGS ARE REQUIRED PRIOR TO PROJECT ACCEPTANCE. 14. A NPDES STORMWATER GENERAL PERMIT MAY BE REQUIRED BY THE DEPARTMENT OF ECOLOGY FOR THIS PROJECT. FOR INFORMATION CONTACT THE DEPARTMENT OF ECOLOGY, SOUTHWEST REGION OFFICE AT (360)407-6300.

15. ANY DISTURBANCE OR DAMAGE TO CRITICAL AREAS AND ASSOCIATED BUFFERS, OR SIGNIFICANT TREES DESIGNATED FOR PRESERVATION AND PROTECTION SHALL BE MITIGATED IN ACCORDANCE WITH A MITIGATION PLAN REVIEWED AND APPROVED BY THE CITY'S PLANNING DIVISION. PREPARATION AND IMPLEMENTATION OF THE MITIGATION PLAN SHALL BE AT THE DEVELOPER'S EXPENSE.

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 (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 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 (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 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 SIZES 18- TO 27-INCH, DUCTILE IRON PIPE SHALL BE CLASS 51 OR GREATER, LINED WITH PROTECTO 401TM 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 STANDARD NO. 06.01.01. MINIMUM COVER ON PVC AND PP PIPE SHALL BE 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 ALL 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

406 TESTING REQUIREMENTS GRAVITY SANITARY SEWER CLEANING AND TESTING REQUIREMENTS SHALL BE AS OUTLINED IN WSDOT SECTION 7-17.3(2). SANITARY SEWER CLEANING AND TESTING SHALL BE COMPLETED TO THE SATISFACTION OF THE OFFICE OF THE CITY ENGINEER AND/OR PUBLIC WORKS DEPARTMENT PRIOR TO FINAL ACCEPTANCE. AFTER COMPLETION OF ALL PROJECT UTILITY WORK (SEWER, WATER, STORM, ETC.) AND ASSOCIATED UTILITY TRENCH BACKFILL AND COMPACTION, SEWER LINES SHALL BE CLEANED AND TESTED BY THE CONTRACTOR PRIOR TO FINAL PROJECT ACCEPTANCE, AS OUTLINED IN SECTION 406.1 THROUGH 406.4. AT THE END OF THE MAINTENANCE AND WARRANTY PERIOD, THE CITY WILL PERFORM A FINAL CCTV INSPECTION PER 406.4 TO VERIFY THAT THE WORK PERFORMED CONFORMS TO CITY STANDARDS PRIOR TO BOND RELEASE.

PHYSICAL CONNECTION TO THE EXISTING CITY SEWER SYSTEM SHALL NOT BE ALLOWED UNTIL ALL PIPES HAVE BEEN THOROUGHLY CLEANED BY JETTING AND/OR PIGGING TO REMOVE ANY SOLIDS OR CONSTRUCTION DEBRIS THAT MAY HAVE ENTERED THE PIPE.

THE CONTRACTOR SHALL ARRANGE TO HAVE THE WATER ACCUMULATED DURING CONSTRUCTION AND SANITARY SYSTEM CLEANING OPERATIONS REMOVED FROM THE SEWER SYSTEM BY A VACTOR TRUCK.

WATER FROM THE NEW SEWER EXTENSION SHALL NOT BE PERMITTED TO ENTER THE EXISTING CITY SYSTEM UNTIL FINAL PROJECT APPROVAL. SEDIMENT OR DEBRIS INTRODUCED TO EXISTING CITY SEWERS AS A RESULT OF ANY CONSTRUCTION ACTIVITY SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR IN CONFORMANCE WITH WSDOT SECTION 7-17.

406.2 DEFLECTION TESTING

GRAVITY SANITARY SEWERS SHALL BE TESTED FOR DEFLECTION PRIOR TO VISUAL INSPECTION. THERMOPLASTIC PIPE SHALL BE TESTED FOR DEFLECTION NOT LESS THAN 30 DAYS AFTER THE TRENCH BACKFILL AND COMPACTION HAS BEEN COMPLETED. DEFLECTION TESTING SHALL BE CONDUCTED BY PULLING A MANDREL (RIGID OR ADJUSTABLE) WITH A DIAMETER NOT LESS THAN 95 PERCENT OF THE NORMAL DIAMETER OF THE PIPE BEING TESTED, MANDREL TESTING SHALL BE CONDUCTED IN CONFORMANCE WITH WSDOT SECTION 7-17.3(2)G.

406.3 LEAKAGE TESTING

ALL NEW GRAVITY SANITARY SEWER MAINS AND THE RIGHT-OF-WAY LATERALS SHALL BE SUBJECT TO A LOW-PRESSURE AIR TEST PER WSDOT SECTION 7-17.3(2)F. LOW PRESSURE AIR TESTING SHALL BE CONDUCTED AFTER BACKFILLING IS COMPLETED AND THE BACKFILL MATERIAL HAS BEEN COMPACTED IN CONFORMANCE WITH THE APPROVED PLANS. CONFORMING COMPACTION SHALL BE VERIFIED BY NUCLEAR GAUGE TESTING AND/OR PROOF ROLLING AT THE DISCRETION OF ENGINEERING STAFF. THE CITY ENGINEER OR DESIGNEE SHALL OBSERVE ALL TESTING TO VERIFY SATISFACTORY COMPLETION. THE CITY ENGINEER OR DESIGNEE MAY REQUIRE THAT AIR TEST PRESSURE BE MAINTAINED AT 4.0 PSIG WITH NO DROP FOR 15 MINUTES FOR A PASSING LEAKAGE TEST WHERE GROUNDWATER PRESSURE IS DEEMED NEGLIGIBLE, OR AT THE CITY ENGINEER'S OR DESIGNEE'S DISCRETION.

THE CONTRACTOR SHALL FURNISH ALL NECESSARY EQUIPMENT AND PERSONNEL FOR CONDUCTING THE PRESSURE TEST. THE CONTRACTOR SHALL PROVIDE CERTIFICATION FROM A CERTIFIED/ACCREDITED LABORATORY THAT TESTING EQUIPMENT IS ACCURATE. ALL EQUIPMENT AND PERSONNEL SHALL BE SUBJECT TO APPROVAL BY THE CITY ENGINEER OR DESIGNEE.

IF ANY PORTION OF THE SANITARY SYSTEM FAILS TO MEET THE TESTING REQUIREMENTS, THE CONTRACTOR SHALL DETERMINE, AT THEIR OWN EXPENSE, THE SOURCE OF LEAKAGE AND SHALL REPAIR OR REPLACE ALL DEFECTIVE MATERIALS OR WORKMANSHIP. THE COMPLETED PIPE INSTALLATION SHALL MEET THE MINIMUM TESTING REQUIREMENTS BEFORE BEING CONSIDERED ACCEPTABLE. 406.4 TELEVISION INSPECTION

ALL NEW GRAVITY SANITARY SEWER EXTENSIONS SHALL BE VISUALLY INSPECTED IN CONFORMANCE WITH WSDOT SECTION 7-17.3(2)H, FOLLOWING SATISFACTORY TRENCH COMPACTION TESTING, FLUSHING, LOW PRESSURE AIR TESTING, AND DEFLECTION TESTING. ALL MANHOLES SHALL BE CHANNELED AND GRADE RINGS SET IN PLACE PRIOR TO SEWER VIDEO INSPECTION.

THE REMOTE CAMERA USED IN SEWER VISUAL INSPECTION SHALL BE ONE SPECIFICALLY DESIGNED FOR SUCH AN APPLICATION, WITH THE ABILITY TO ROTATE THE CAMERA 180 DEGREES AND LIGHTING SUITABLE TO ALLOW A CLEAR PICTURE OF THE ENTIRE PERIPHERY OF THE PIPE. THE CAMERA SHALL PROCEED THROUGH THE PIPE AT A SUFFICIENTLY SLOW VELOCITY TO ALLOW ADEQUATE INSPECTION OF ALL PIPE JOINTS. ALL SEWER LATERAL FITTINGS AND JOINTS AND SUSPECT PIPE JOINTS SHALL BE CLOSELY INSPECTED BY ROTATING THE CAMERA AS NEEDED TO PROVIDE A CLEAR VIEW.

THE CONTRACTOR SHALL INTRODUCE WATER TO THE NEW SEWER SYSTEM IMMEDIATELY PRIOR TO THE VISUAL INSPECTION BY ADDING WATER TO THE UPSTREAM MANHOLE UNTIL WATER IS SEEN FLOWING IN THE LOWEST MANHOLE. VIDEO INSPECTION OF THE LINE SHALL BEGIN WHEN FLOW IN THE LOWEST MANHOLE HAS STOPPED. A 1-INCH SEWER BALL SHALL BE ATTACHED TO THE FRONT OF THE CAMERA TO PROVIDE A BASIS FOR ESTIMATING THE DEPTH OF THE PONDING WITHIN THE SEWER PIPE. TELEVISION INSPECTION ACCEPTANCE CRITERIA:

1. ANY PONDING WITHIN A PIPE SHALL BE LESS THAN ONE—HALF INCH (1/2") IN DEPTH.

2. THE TOTAL ACCUMULATED PONDING LENGTH, REGARDLESS OF DEPTH, FROM MANHOLE TO MANHOLE SHALL BE LESS THAN TEN (10) PERCENT OF THE TOTAL LENGTH FROM MANHOLE TO MANHOLE.

ANY SEWER PIPE THAT EXCEEDS EITHER OF THE ABOVE ACCEPTANCE CRITERIA WILL BE REJECTED AND REQUIRE REPAIR AND/OR REPLACEMENT BY THE CONTRACTOR. THE CONTRACTOR SHALL BEAR ALL COSTS FOR THE CORRECTION OF ANY DEFICIENCIES FOUND DURING TV INSPECTION, INCLUDING THE COSTS FOR ADDITIONAL

TV INSPECTION AND LEAKAGE TESTING NEEDED TO VERIFY THE DEFICIENCIES WERE CORRECTED. ALL COMPONENTS OF THE VIDEO AND RECORDING EQUIPMENT SHALL BE SUFFICIENT TO PROVIDE PICTURE QUALITY TO THE SATISFACTION OF THE CITY ENGINEER OR DESIGNEE. UPON COMPLETION OF THE VIDEO INSPECTION, THE DIGITAL VIDEO, OF COMMON FORMAT, AND WRITTEN INSPECTION REPORT SHALL BE SUBMITTED TO THE CITY FOR REVIEW. AT A MINIMUM, THE INSPECTION REPORT SHALL CONTAIN THE FOLLOWING INFORMATION:

SIZE. LENGTH. AND MATERIAL TYPE OF THE SEWER MAIN.

LOCATION OF ALL LATERAL CONNECTIONS.

• ESTIMATED DEPTH AND LOCATION OF ALL PONDING OVER 1/4 INCH IN DEPTH MANHOLE NUMBERS THAT CORRESPOND TO THE APPROVED PLANS

STREET NAME AND/OR LOCATION OF SEWER MAIN

WATER SYSTEM 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"), 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 (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

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-OF-WAY AND UNIMPROVED EASEMENTS.

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

14. VALVE MARKER POSTS SHALL BE INSTALLED WHERE VALVE BOXES ARE HIDDEN FROM VIEW OR IN UNPAVED AREAS. 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

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. WHEN HYDRAULIC FIRE FLOW MODELING IS REQUIRED FOR A PROJECT. THE CITY WILL ISSUE A PERMIT. THE HYDRAULIC MODELING CRITERIA IS BASED ON THE PROJECTED 2030 WATER DEMAND, WHILE MAINTAINING A MINIMUM SYSTEM PRESSURE OF 20 POUNDS PER SQUARE INCH AND A MAXIMUM VELOCITY OF 10

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.)

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).

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

65% Calcium Hypochlorite Addition per Pipe Section

	Pipe Volume	5-gram	Hypochlori	te Granules	Maximum
Pipe Diameter	per 18 feet	tablets per	Ounces per	Teaspoons	Fill Rate
(Inches)	(gal)	pipe section	500 feet	per 18 feet	(gpm)_
4	35	1	1.7	0.2	40
6	53	1	3.8	0.4	90
8	70	2	6.7	0.7	150
12	106	4	15.1	1.4	350
16	141	6	27	2.5	600

NEW WATER MAINS SHALL BE FILLED USING AN APPROVED BACKFLOW PREVENTION ASSEMBLY. THE WATER MAIN SHALL BE FILLED FROM THE LOWER ELEVATION END SO THAT AS THE WATER MAIN IS FILLED, THE CHORINE IS CONTACTED, DISSOLVED AND SPREAD RELATIVELY UNIFORM THROUGH THE LENGTH OF THE NEW WATER MAIN. THE FILL RATE SHALL BE MINIMIZED SO THAT THE VELOCITY OF THE WATER IS LESS THAN 1 FT/SEC (SEE TABLE ABOVE). SUCCESSFUL PRESSURE TEST AND BACTERIOLOGICAL TESTS SHALL BE COMPLETED AND PROVIDED TO THE CITY PRIOR TO ANY NEW MATER MAIN CONNECTION TO THE EXISTING WATER SYSTEM.

c. THE CHLORINATED WATER WILL BE ALLOWED TO REMAIN IN CONTACT WITH THE NEW WATER MAIN SYSTEM FOR 24 TO 72 HOURS. AFTER 24 HOURS, WATER MAY BE ADDED TO THE WATER MAIN FOR THE PURPOSES OF PRESSURE TESTING. THE WATER IN THE MAIN USED FOR PRESSURE TESTING MUST REMAIN IN THE WATER MAIN UNTIL PRESSURE TEST IS COMPLETED. IF NECESSARY, LIQUID CHLORINE SHALL BE INJECTED INTO THE WATER MAIN WITH FILL WATER TO MAINTAIN A CONCENTRATION IN THE WATER MAIN ABOVE 50 MG/L. UNDER NO CIRCUMSTANCE SHALL "SUPER" CHLORINATED WATER BE ALLOWED TO SIT WITHIN A NEW WATER MAIN FOR MORE THAN 5 DAYS.

d. PRESSURE TESTING INCLUDES TESTING AGAINST NEW VALVES AND HYDRANTS. EACH VALVE SHALL BE TESTED BY CLOSING EACH IN TURN AND REDUCING THE PRESSURE BEYOND THE VALVE. THE PRESSURE ON THE BACK SIDE OF THE VALVE SHOULD NOT BE ELIMINATED. CARE MUST BE TAKEN THAT, DURING THIS PROCESS, POSITIVE PRESSURE REMAINS THROUGHOUT THE SYSTEM BEING TESTED AT ALL TIMES. ALL HYDRANT FOOT VALVES SHALL BE OPEN DURING PRESSURE TESTING SO THAT THE PRESSURE TEST IS AGAINST THE HYDRANT VALVE. PRESSURE TESTING WILL NOT BE ALLOWED AGAINST ANY EXISTING

e. AFTER SUCCESSFUL PRESSURE TESTING, THE WATER MAIN SHALL BE THOROUGHLY FLUSHED TO REMOVE ALL "SUPER" CHLORINATED WATER FROM THE NEW WATER MAIN. FLUSHING OF NEW OR EXTENDED WATER MAINS SHALL BE CONDUCTED PER WSDOT SPECIFICATION 7-09.3(24)A WITH A MINIMUM VELOCITY DEVELOPED WITHIN THE PIPE WHILE FLUSHING OF 2.5 FEET PER SECOND (FPS). ALL FLUSHED WATER SHALL BE DECHLORINATED PRIOR TO DISPOSAL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSAL OF ALL CHLORINATED WATER FLUSHED FROM MAINS. THE CITY SHALL APPROVE THE DISPOSAL METHOD PRIOR TO IMPLEMENTATION IN THE FIELD. THE CONTRACTOR SHALL UTILIZE ONSITE DISPOSAL METHODS, IF AVAILABLE. DISPOSAL OF FLUSH WATER TO THE SANITARY SEWER SYSTEM SHALL NOT BE ALLOWED WITHOUT WRITTEN PERMISSION FROM THE WATER POLLUTION CONTROL PLANT (WPCP) SUPERVISOR. ANY PLANNED DISCHARGE TO A STORMWATER SYSTEM SHALL BE DECHLORINATED TO A CONCENTRATION OF 0.1 PPM OR LESS, PH ADJUSTED (IF NECESSARY) TO BE BETWEEN 6.5 AND 8.5. AND VOLUMETRICALLY AND VELOCITY CONTROLLED TO PREVENT ANY RESUSPENSION OF SEDIMENTS. THE CITY WILL REQUIRE INDEPENDENT TESTING THROUGHOUT THE WATER DISCHARGE PROCESS TO ENSURE COMPLIANCE OF THESE STANDARDS ARE MET. SAMPLES FOR BACTERIOLOGICAL ANALYSIS SHALL BE COLLECTED AFTER FLUSHING AND AGAIN 24 HOURS AFTER THE FIRST SET OF SAMPLES.

ALL CLOSURE /FINAL CONNECTION FITTINGS SHALL BE SPRAYED CLEAN AND THEN SWABBED WITH A FIVE PERCENT (5%) CHLORINE SOLUTION IMMEDIATELY PRIOR TO INSTALLATION PER AWWA STANDARD C651. ADDITIONAL SAMPLES FOR BACTERIOLOGICAL ANALYSIS SHALL BE COLLECTED FROM THE IMMEDIATE VICINITY OF THE NEW OR REPLACED WATER MAIN AND ANALYZED AFTER THE FINAL CONNECTIONS ARE MADE. IF NECESSARY, ADDITIONAL FLUSHING SHALL BE CONDUCTED AND ADDITIONAL SAMPLES SHALL BE COLLECTED UNTIL SATISFACTORY RESULTS ARE OBTAINED.

City of Puyallup Development & Permitting Services ISSUED PERMIT

Engineering

APPROVED (Miller Julie CITY OF PUYALLUP ENGINEERING SERVICES 11/08/2022 **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 CITY **ENGINEER**

Planning

Public Works

Traffic



< 0 **E** S 983

08/19/22 22135.00 Job No.: Drawn By: E.Rivera Checked by: K.Lauzen Revisions

Description

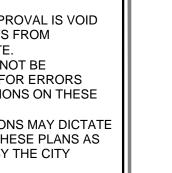
Date

/**1**\ 8/19/22

PROPOSED SANITARY SEWER 8 WATER NOTES



NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE. THE CITY WILL NOT BE











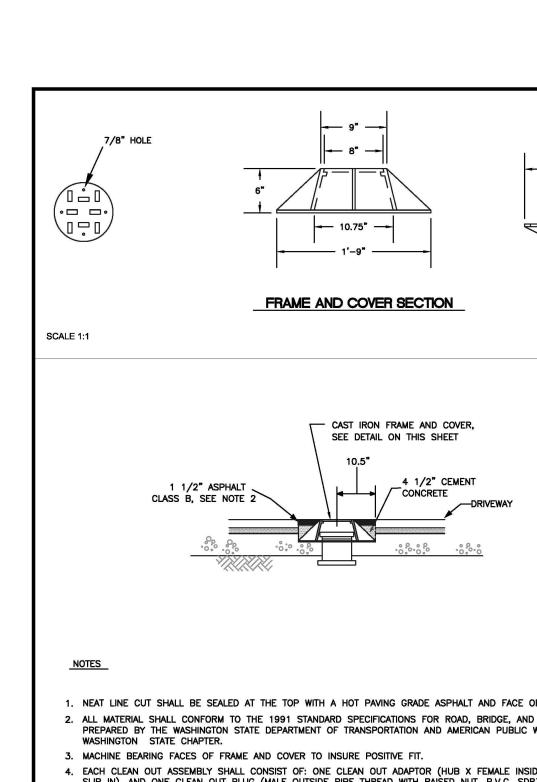
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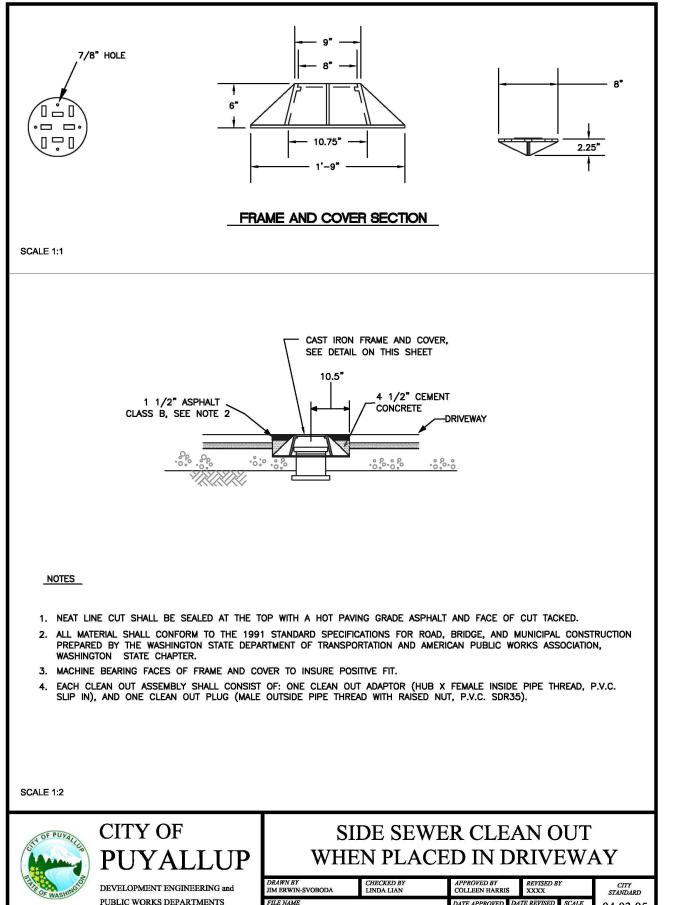
Date:	08/19/22
Job No.:	22135.00
Drawn By:	E.River
Checked by:	K.Lauzer

Revisions # Date Description **/1**\ 8/19/22 REVISIONS

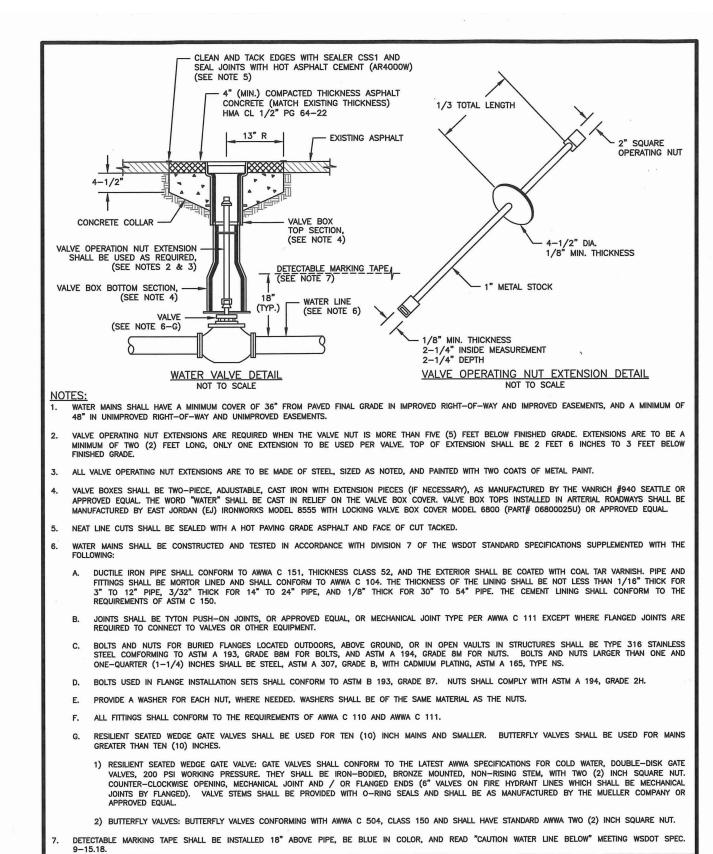
PROPOSED SANITARY SEWER &

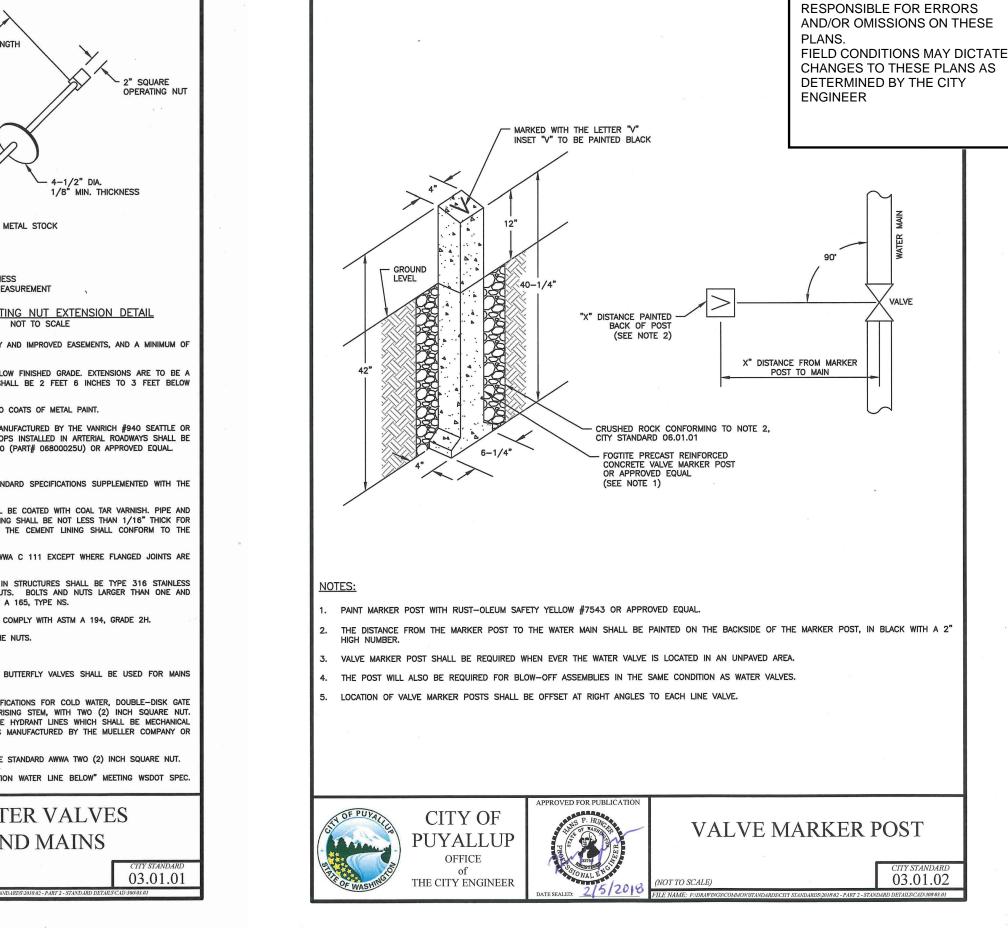
WATER DETAILS

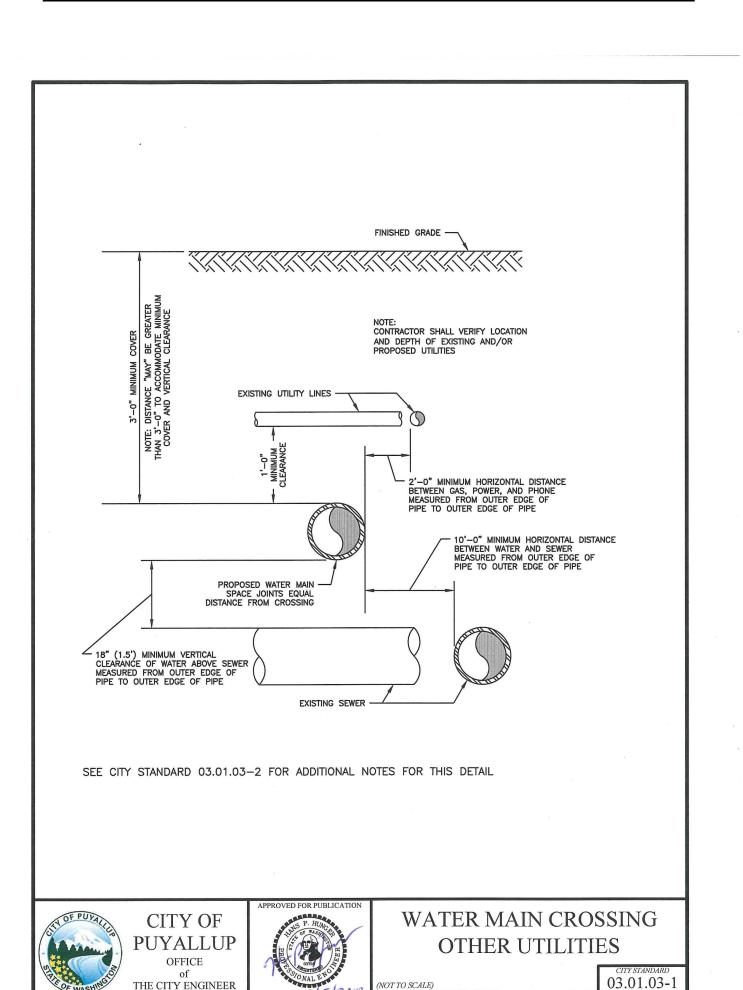




V\STDS\CITY\2009\04 SS\04.03\04.03.05







1. NEAT LINE CUTS SHALL BE SEALED AT TOP WITH

ADJUSTING RINGS

4" MIN. TO 16" MAX.

CEMENT MORTAR JOINTS -

PRECAST ECCENTRIC CONE -

PRECAST RISER SECTION -

CITY OF

DEVELOPMENT ENGINEERING and

PUBLIC WORKS DEPARTMENTS

CITY STANDARD DETAIL NO. 06.01.04

MANHOLE COUPLING WITH
RUBBER GASKET (SAND COLLAR)
KOR N SEAL BY REQUEST.

A HOT PAVING GRADE AND FACE OF CUT TACKED.

2. TOP OF SHELF, SLOPE 1/2" PER FOOT, CONSTRUCT IN FIELD CHANNEL AND SHELF TO THE CROWN OF PIPE.

MANHOLE COVER SHALL BE MARKED WITH "SEWER" IN 2"

STANDARD DETAILS NO. 06.01.02 &

06.01.03 FOR ADDITIONAL INFORMATION

RAISED LETTERS, SEE CITY

CONSTRUCT IN FIELD CHANNEL

& SHELF TO THE CROWN OF

- NON-SHRINK GROUT,

04.01.01

TYPICAL

- SEE NOTE 2 PRECAST BASE WITH INTEGRAL RISER

NON-SHRINK GROUT,

EZ STREET OR EQUIVALENT

— 9" CONCRETE COLLAR

__EXISTING ROADWAY

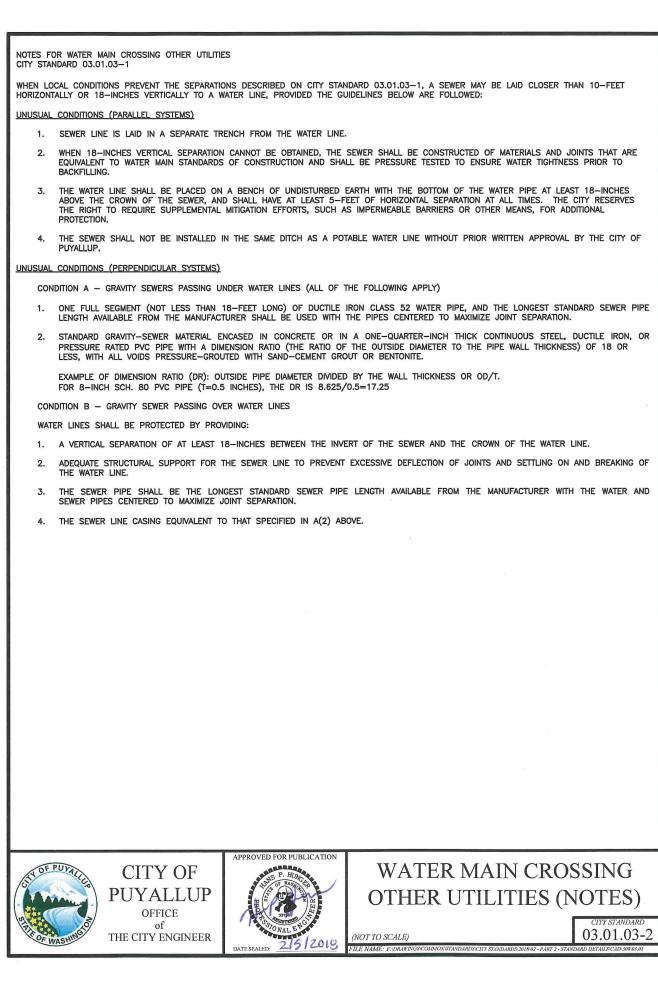
-SEE NOTE 1

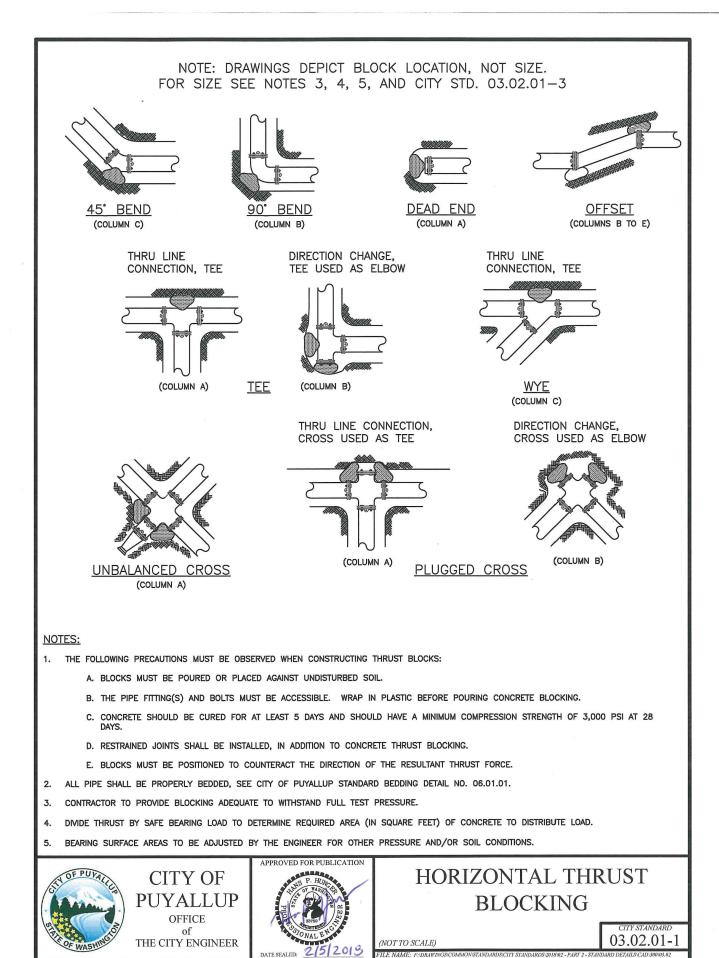
SANITARY SEWER

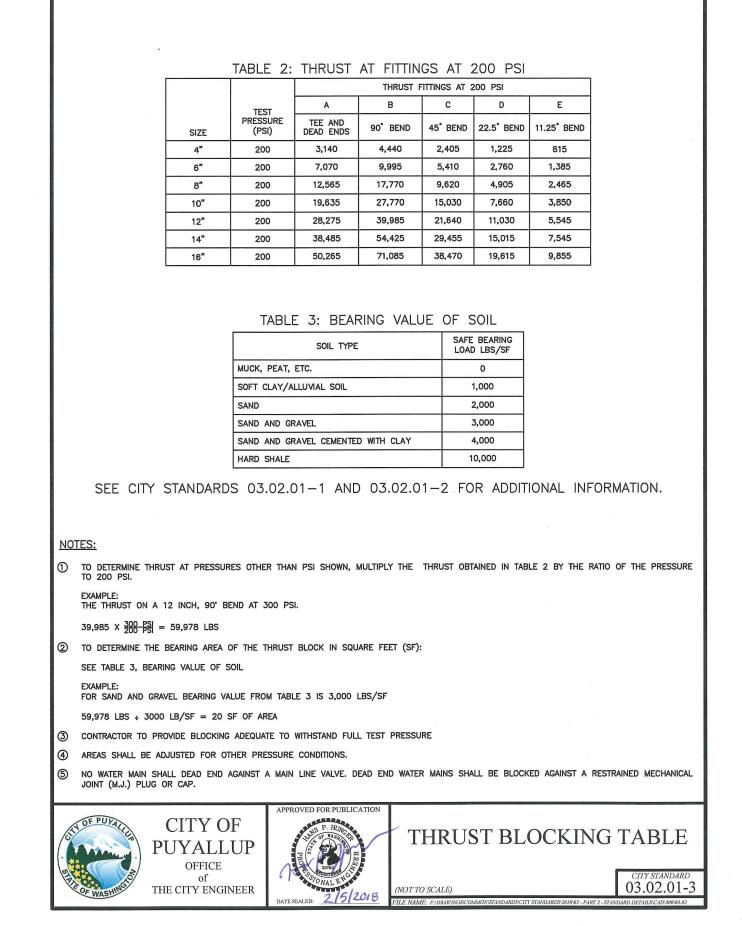
MANHOLE

DATE APPROVED 07/01/2009

ELEVATION





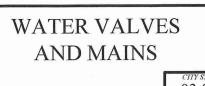


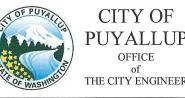




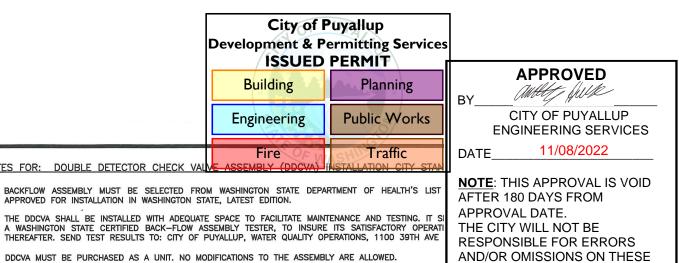
04.03.05

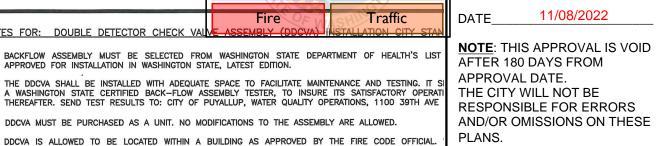












FIELD CONDITIONS MAY DICTATE BUILDING, THE FIRE DEPARTMENT CONNECTION (FDC) BALL DRIP SHALL DRAIN TO THE NEAREST APPROV CHANGES TO THESE PLANS AS DETERMINED BY THE CITY ENGINEER

PIPE SHALL BE CONNECTED TO THE NEAREST APPROVED ON-SITE STORM DRAINAGE STRUCTURE. DDCVA OUTSIDE STEM AND YOKE (OS&Y) GATE VALVES, AND THE POST INDICATOR VALVE (PIV), SHALL ALL ELECTRICAL SHALL BE INSPECTED BY A WASHINGTON STATE ELECTRICAL INSPECTOR.

IN A VAULT INSTALLATION, RUN TWO 3/4" SCHEDULE 80 P.V.C. CONDUITS TO THE VAULT. ONE WILL BE USED FOR A GFCI PROTECTED OUTLET, AND ONE WILL BE FOR LOW VOLTAGE COMING FROM THE FIRE ALARM PANEL. INSTALL AN APPLETON FSCA OR FDCA CAST DEVICE BOX OR APPROVED EQUAL ON THE VAULT WALL AT THE CONDUIT PENETRATION. IN A VAULT INSTALLATION, RUN LOW VOLTAGE WIRE INSIDE VAULT AND TO PIV THROUGH SEAL-TIGHT FLEX CONDUIT. CONDUIT SHALL BE SECURELY FASTENED PERPENDICULAR OR HORIZONTALLY TO THE WALLS OF THE VAULT.

O. WATER METER SHALL BE A SENSUS SRII TRPL READING IN 1 CUBIC FEET 1. PIPE SUPPORTS SHALL BE RUST-PROTECTED WITH ALUMINUM PAINT.

NOTES FOR: DOUBLE DETECTOR CHECK VAL

SECURED AGAIN VAULT WALL

TO BLDG.→

L FLOW FROM FIRE DEPARTMENT

NOTE 6)

RESTRAINED -FLANGE COUPLING ADAPTOR

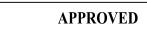
CONNECTION (FDC)
(SEE CITY STANDARDS 03.10.01-2

NOTES 12 AND 13, AND 03.10.02)

2. THE FDC SHALL BE LOCATED WITHIN 15 FEET OF A FIRE HYDRANT, BUT NOT LESS THAN 10 FEET.

3. THE FDC AND PIV SHALL BE A MINIMUM OF 50 FEET FROM A BUILDING, UNLESS APPROVED BY THE CITY OF PUYALLUP FIRE CODE OFFICIAL, BUT NEVER LESS THAN 5 FEET FROM BUILDING.

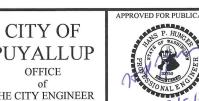
. A DDCVA INSTALLED MORE THAN 5 FEET ABOVE THE FLOOR LEVEL MUST HAVE A PLATFORM UNDER IT FOR THE TESTER OR MAINTENANCE PERSON TO STAND ON. THE PLATFORM MUST BE OSHA APPROVED AND MEET ALL APPLICABLE SAFETY STANDARDS AND CODES.



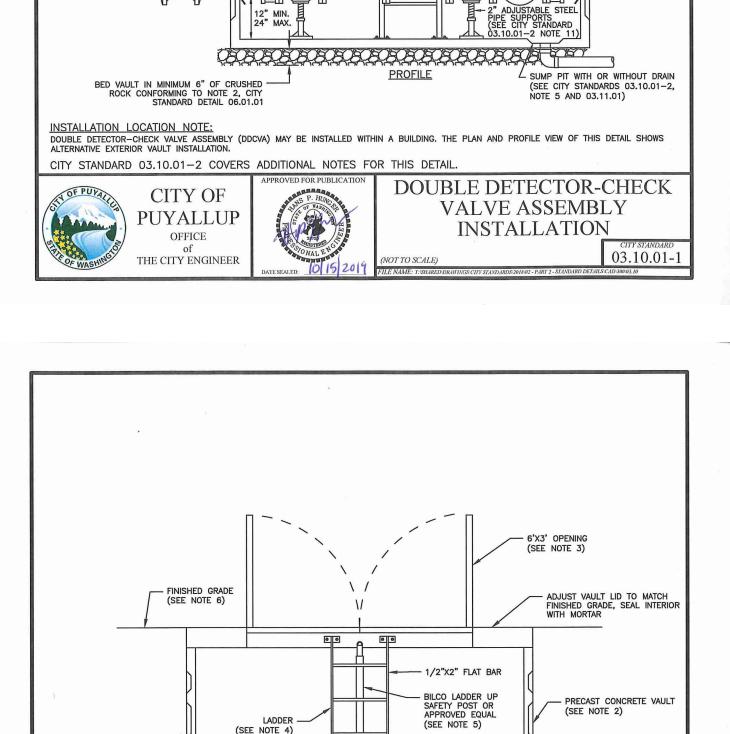
CITY OF PUYALLUP DEVELOPMENT ENGINEERING

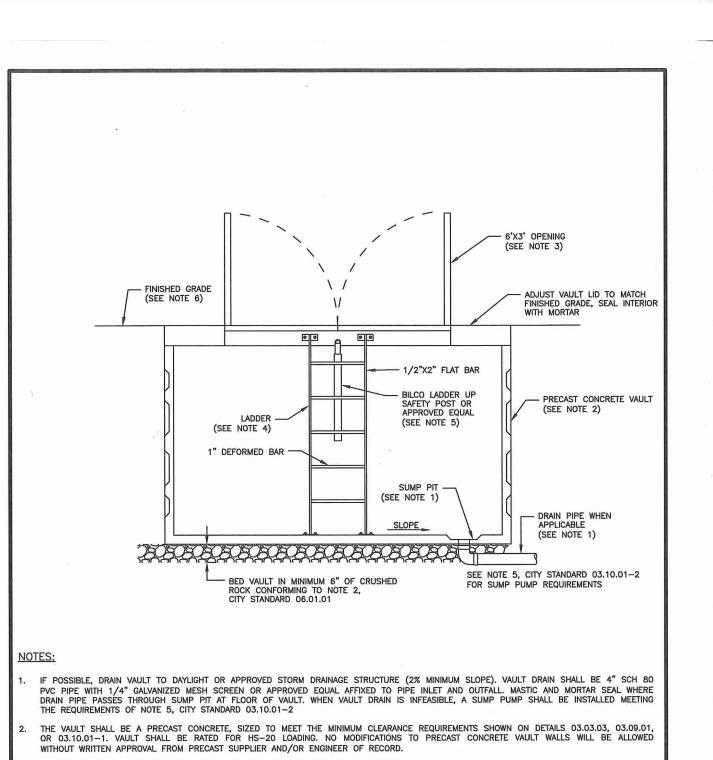
NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS.

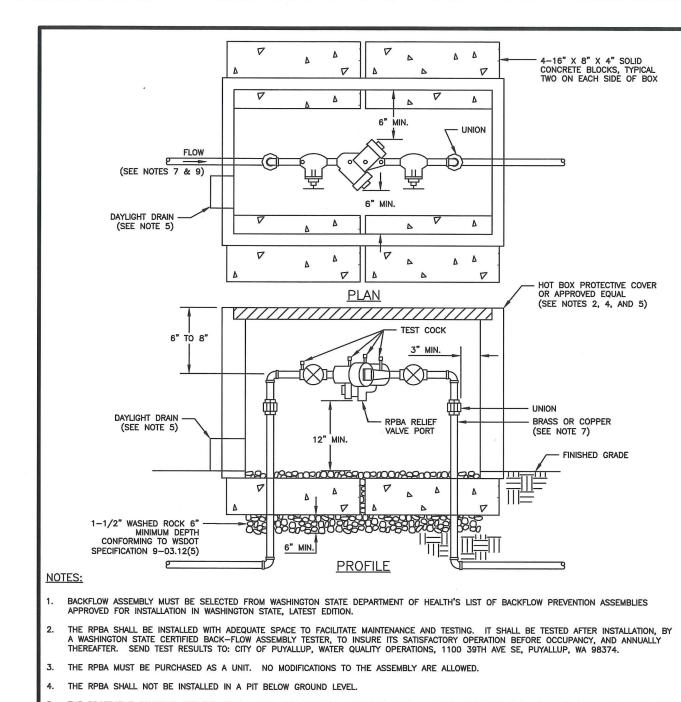
FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE DEVELOPMENT ENGINEERING MANAGER.



DOUBLE DETECTOR-CHECK VALVE ASSEMBLY INSTALLATION (NOTES)







08/19/22 22135.00 E.Rivera Drawn By: K.Lauzen Checked by: Revisions

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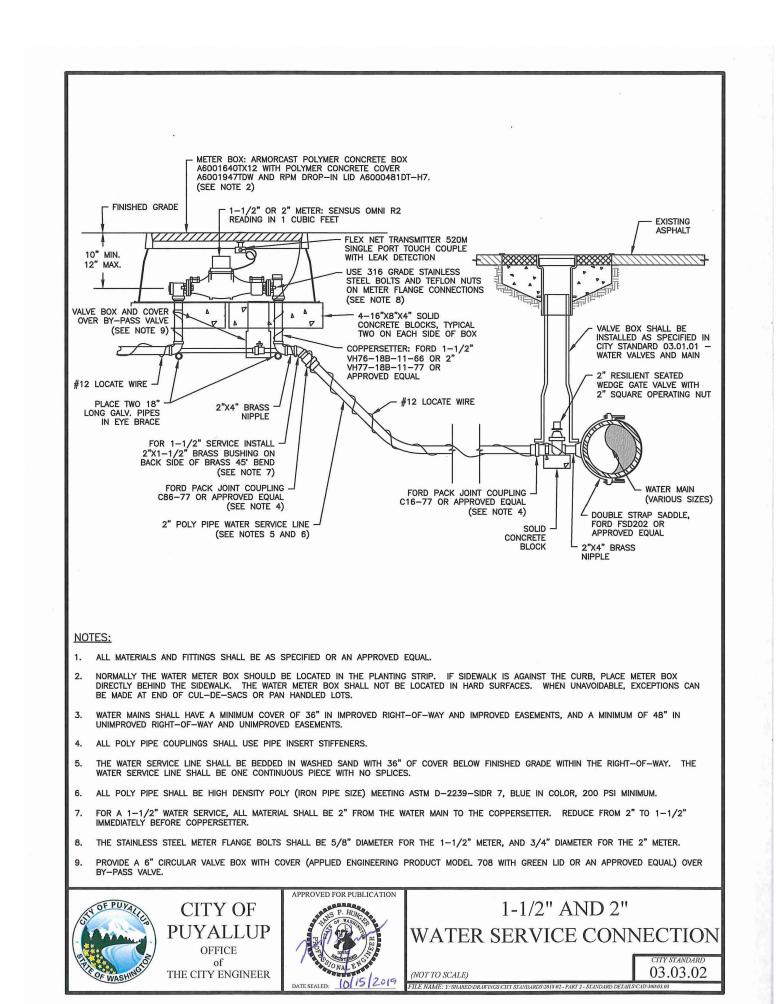
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BUI AVE SI A 983

Date Description **1** 8/19/22 REVISIONS

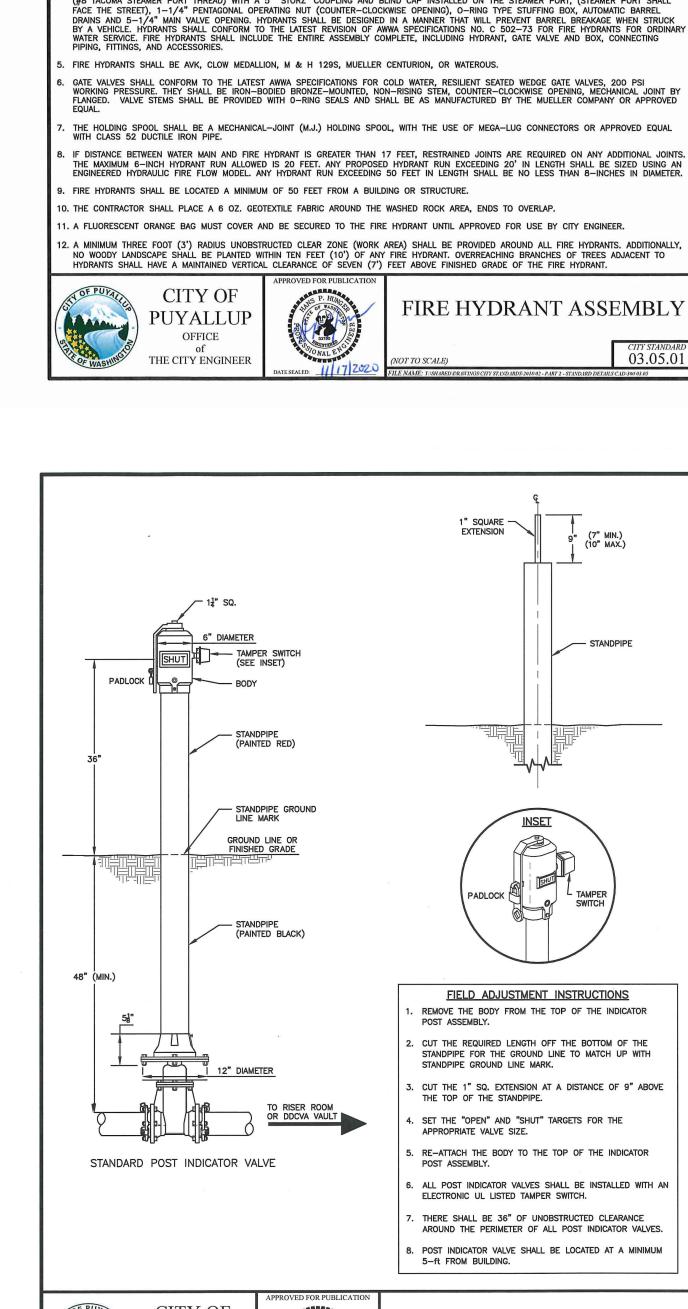
PROPOSED SANITARY SEWER & WATER DETAILS



5" 30° RIGID STORZ ADAPTOR WITH KEYED LOCKING STORZ CAP DO NOT PAINT RED

WRAP GALVANIZED PIPE WITH 3M TAPE OR EQUAL FROM FLANGE TO 6" ABOVE GROUND LEVEL

THRUST BLOCK PER CITY -STANDARD 03.02.01-2



DIA. X 6' LONG WITH 5-1/2 DIA. X 5'-8" LONG, REBAR EQUALLY SPACED. PAINT SAME AS FIRE HYDRANT

NOTE: CONCRETE GUARD POSTS SHALL BE INSTALLED WHEN REQUIRED BY THE CITY ENGINEER.

DO NOT INSTALL GUARD POSTS IN CITY RIGHT-OF-WAY.

(SEE NOTES 3, 4, AND 5)

(SEE NOTES 3 AND 4)

HOLDING SPOOL

E NOTES 7 & 8)

12X12X4 SOLID CONCRETE BEARING BLOCK ON

UNDISTURBED SOIL

THE FIRE HYDRANT AND CONCRETE GUARD POSTS SHALL BE PAINTED, RUST-OLEUM SAFETY YELLOW #7543 (TWO COATS) OR AN APPROVED EQUAL THE STORZ FITTING SHALL NOT BE PAINTED.

. FIRE HYDRANTS SHALL HAVE TWO 2-1/2" HOSE PORTS (NATIONAL STANDARD THREAD) WITH CAPS AND CHAINS AND ONE 4" PUMPER PORT (#8 TACOMA STEAMER PORT THREAD) WITH A 5" 'STORZ' COUPLING AND BLIND CAP INSTALLED ON THE STEAMER PORT, (STEAMER PORT SHALL

. WATER MAINS SHALL HAVE A MINIMUM COVER OF 36" IN IMPROVED RIGHT-OF-WAY AND IMPROVED EASEMENTS, AND A MINIMUM 48" IN UNIMPROVED RIGHT-OF-WAY AND UNIMPROVED EASEMENTS.

PROFILE

(GROUND LEVE

<u>PLAN</u>

2-1/2" TO NO GREATER THAN 6

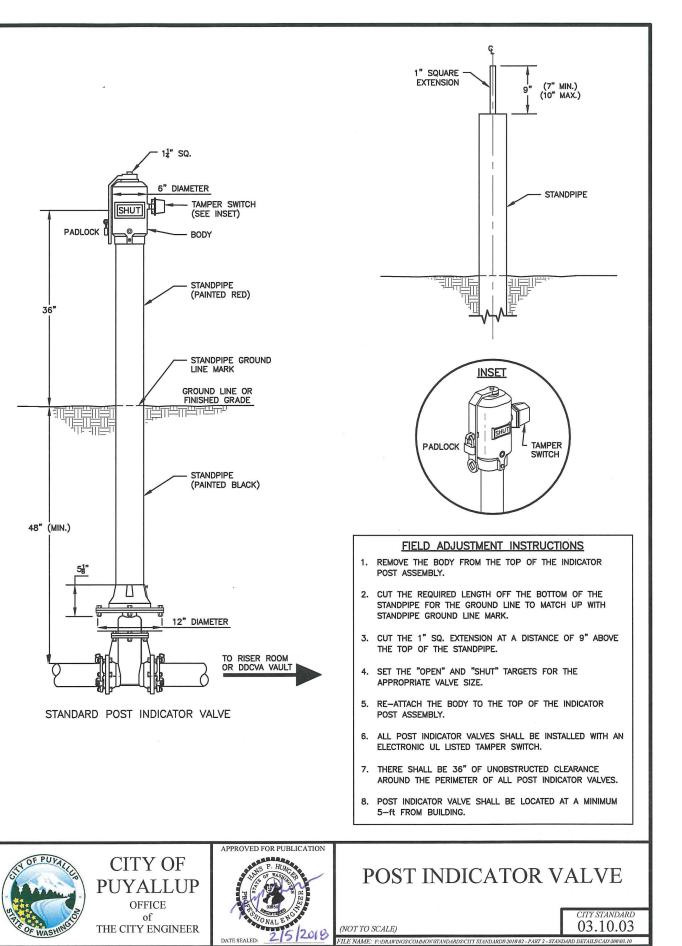
(SEE NOTE 10)

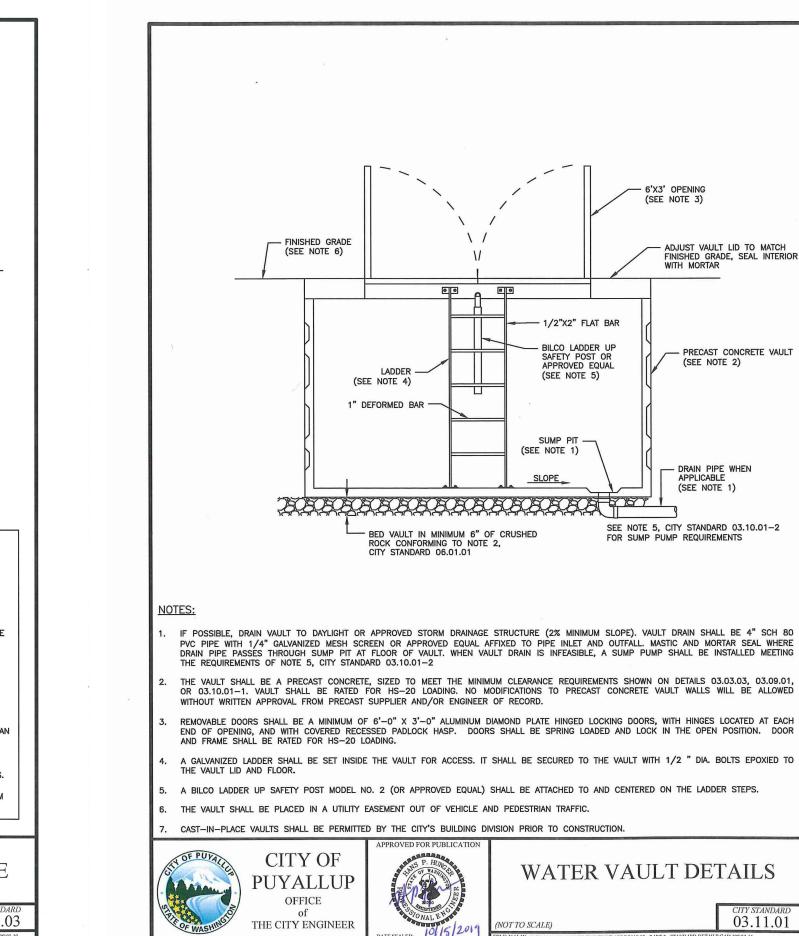
<u>IOTES:</u> . ALL MATERIALS AND FITTINGS SHALL BE AS SPECIFIED OR APPROVED EQUAL.

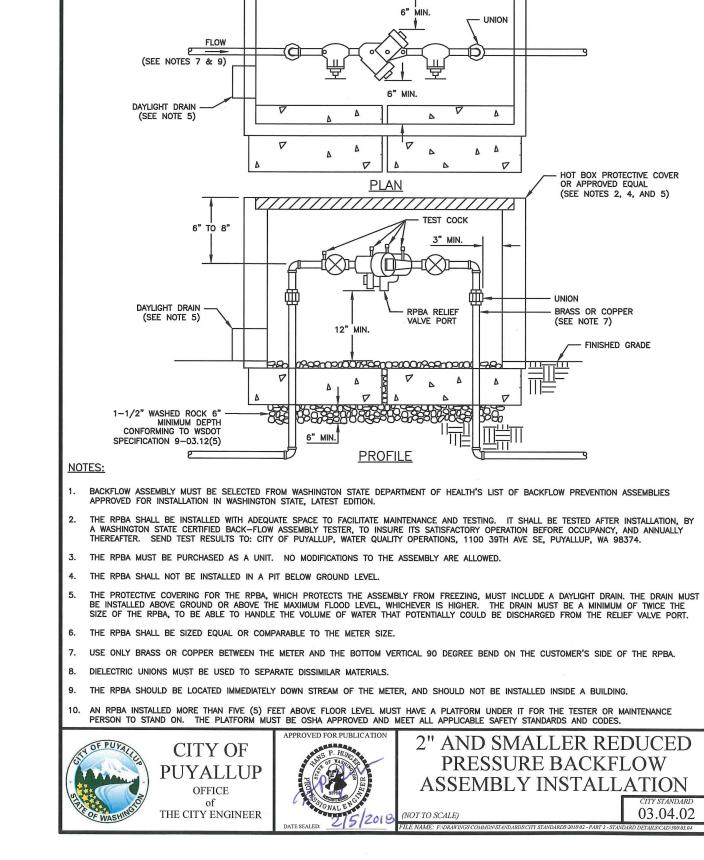
7 C.F. OF 1-1/2" WASHED ROCK -CONFORMING TO WSDOT

SPECIFICATION 9-03.12(5), WRAPPED WITH GEOTEXTILE FABRIC

BREAKWAY FLANGE OR -







(SEE INDENTIFICATION PLATECAST

RISER, IN BLACK WITH 2" HIGH NUMBERS.

- SIZE TO BE DETERMINED BY LEVEL III CERTIFIED DESIGNER OR LICENSED PROFESSIONAL CIVIL ENGINEER. GALVANIZED PIPE ABOVE GROUND SHALL BE CLEANED,

AND PRIMED WITH PARKER PAINT'S QD METAL PRIME 9175 OR APPROVED EQUAL. PAINT WITH PARKER PAINT'S MARATHON 1050 SAFETY RED OR APPROVED EQUAL, EXCEPT FOR STORZ FITTING.

F BALL DRIP IS NEEDED, INSTALL 1-1/2"
WASHED ROCK CONFORMING TO WSDOT
SPECIFICATION 9-03.12(5) TO AID DRAINAGE

IN THE BUILDING AND/OR ABOVE THE FDC

THE FDC SHALL BE A MINIMUM OF 50 FEET FROM THE BUILDING, UNLESS APPROVED BY THE FIRE CODE OFFICIAL, BUT NEVER LESS THAN

---- PIPE FROM DDCVA

IDENTIFICATION PLATECAST DETAIL NOTES:

1. IDENTIFICATION PLATECAST WILL BE BRASS

2. IDENTIFICATION PLATECAST WILL BE 1/4" THICK

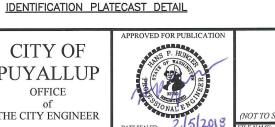
3. LETTERS WILL BE ONE INCH HIGH AND RAISED

4. USE TWO (2) ZINC U-BOLTS TO AFFIX TO PIPE

(SEE CITY STANDARDS 3.10.01-1 AND 3.10.01-2)

INSTALL A 3/4" GRAVITY BALL DRIP
AMERICAN FLOW OR APPROVED EQUAL AND
A 3/4" BRASS 90' ELL BELOW THE FREEZE
LINE, MINIMUM 12" OF COVER, IF DDCVA IS

DETAIL BELOW)





SPRINKLER

PUYALLUP

OFFICE

THE CITY ENGINEER



D.I. FL X MJ 90' BEND

D.I. CLASS 52

5 FEET FROM BUILDING.

- RESTRAINED JOINT

FIRE DEPARTMENT CONNECTION (FDC) NOTES:

PUYALLUP **OFFICE**

MEGA LUG RING SECURED AGAINST VAULT WALL

OST INDICATOR VALVE

3.10.01-2, NOTE 13

) FROM MAIN

PUBLIC PRIVATE

FLOW --

FROM FIRE ALARM PANEL

(SEE CITY STANDARD

03.10.01-2, NOTE 8)

INCOMING POWER -

PRECAST CONCRETE VAULT WITH LADDER —
AND SAFETY POST, VAULT SHALL MEET
CITY STANDARD 03.1.0.1 AND BE
SUFFICIENT SIZED TO MEET THE MINIMUM

- FOOTING SHALL BE NOT LESS THAN

THRUST BLOCK

GUARD POST DETAIL

— 6" GATE VALVE

(SEE CITY STANDARD 03.10.01-2, NOTE 9)

5/8" WATER METER -

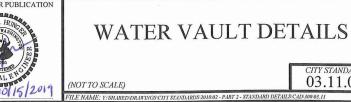
03.11.01

03.10.01-2, NOTE 10)

- POST INDICATOR VALVE (PIV) (SEE CITY STANDARD 03.10.03

3/4" BRASS 90° (DOWN) .



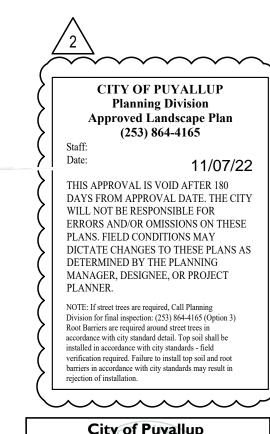


03.11.01

OVERALL SITE PLAN

SCALE: 1" = 30' - 0"

LIMIT OF WORK



City of F Development & P ISSUED	ermitting Serv
Building	Planning
Engineering	Public Work
Fire	Traffic



PROJECT NO.: 2020-148 E COLLEGE PUYALLUP NEW STEM BUILDING

Date:	05/05/22
Job No.:	22135.00
Drawn By:	SC
Checked by:	VS

#	Date	Description
1	8/19/22	PERMIT
		RESUBMITTAL
2	10/25/22	PERMIT
		RESUBMITTAL

RESUBMIT

SITE PLAN -OVERALL

L1.00

TREE PROTECTION PLAN [/] SCALE: 1" = 40' - 0"



EXISTING DECIDUOUS TREE TO BE PROTECTED(CRITICAL ROOT ZONE (RADIUS OF ONE FOOT PER INCH TREE DIAMETER, MEASURED AT DSH) EXISTING EVERGREEN TREE TO BE PROTECTED

CRITICAL ROOT ZONE (RADIUS OF ONE FOOT PER INCH TREE DIAMETER, MEASURED AT DSHI

TREE PROTECTION FENCE

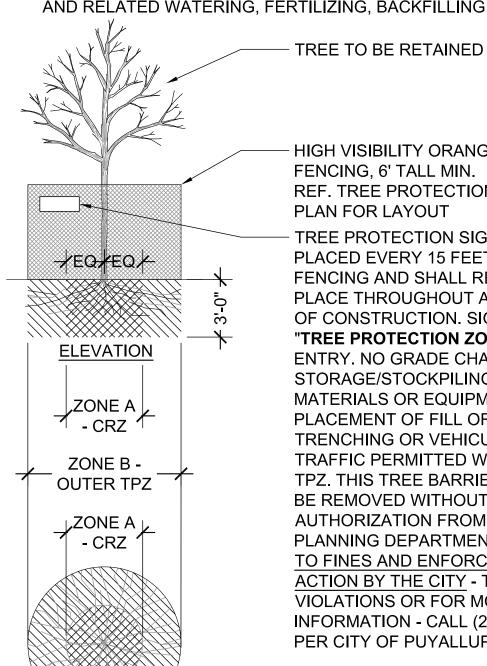
EXISTING TREE TO BE SALVAGED OR DEMOLISHED. REF. L1.02 FOR TREE SALVAGE SCHEDULE IDENTIFYING TREES FOR RE-USE IN LANDSCAPE.

 $(\chi\chi)$ ARBORIST TAG NUMBER, REF. ARBORIST REPORT AND TABLE OF TREES FOR MORE INFORMATION ABOUT TAGGED TREES "NT" = NOT TAGGED

TREE PROTECTION NOTES:

NOTE: ALL REQUIRED TREE PROTECTION MEASURES MUST BE INSTALLED AND APPROVED BY ARBORIST PRIOR TO COMMENCEMENT OF DEMOLITION.

- 1. INSTALL 3" DEPTH OF COARSE WOOD CHIPS OVER ENTIRE TREE PROTECTION ZONE (TPZ) PRIOR TO INSTALLING PERIMETER PROTECTION FENCING. WATER GROUND DEEPLY BEFORE PLACING AND KEEP MULCH MOIST. DO NOT PILE MULCH DIRECTLY AGAINST
- VEHICULAR MOVEMENT AND HEAVY EQUIPMENT ARE STRICTLY PROHIBITED WITHIN TPZ. PEDESTRIANS ARE TO BE EXCLUDED EXCEPT AS ABSOLUTELY NECESSARY.
- 3. CONSTRUCTION STORAGE IS PROHIBITED WITHIN ENTIRE TPZ INCLUDING CONSTRUCTION SUPPLIES, EQUIPMENT, MATERIALS, STOCKPILES AND DEBRIS.
- 4. DISPOSAL OF MATERIALS OR FLUIDS OF ANY KIND IS PROHIBITED WITHIN TPZ.
- CONTRACTOR MUST RETAIN A CERTIFIED ARBORIST TO INSPECT AND PROVIDE SPECIFIC DIRECTION ON PRUNING BRANCHES AND ROOTS, AND RELATED WATERING, FERTILIZING, BACKFILLING AND MULCHING.



HIGH VISIBILITY ORANGE FENCING, 6' TALL MIN. PLAN FOR LAYOUT

REF. TREE PROTECTION TREE PROTECTION SIGNS TO BE PLACED EVERY 15 FEET ALONG THE FENCING AND SHALL REMAIN IN PLACE THROUGHOUT ALL PHASES OF CONSTRUCTION. SIGNS TO READ "TREE PROTECTION ZONE (TPZ) NO ENTRY. NO GRADE CHANGES, STORAGE/STOCKPILING OF MATERIALS OR EQUIPMENT, PLACEMENT OF FILL OR TOP SOIL TRENCHING OR VEHICULAR/FOOT TRAFFIC PERMITTED WITHIN THE TPZ. THIS TREE BARRIER SHALL NOT BE REMOVED WITHOUT **AUTHORIZATION FROM PUYALLUP** PLANNING DEPARTMENT - SUBJECT TO FINES AND ENFORCEMENT **ACTION BY THE CITY - TO REPORT** VIOLATIONS OR FOR MORE INFORMATION - CALL (253 864-4165" PER CITY OF PUYALLUP STANDARDS

DEFINITIONS

TREE PROTECTION ZONE (TPZ): AREA SURROUNDING INDIVIDUAL TREES OR GROUPS OF TREES TO REMAIN DURING CONSTRUCTION, AND DEFINED AS FOLLOWS: RADIAL DISTANCE MEASURED FROM THE TRUNK FACE OF A TREE AT THE RATE OF 1 FOOT OF PROTECTION PER ONE INCH OF CALIPER SIZE MEASURED AT BREAST HEIGHT.

CRITICAL ROOT ZONE (CRZ): INNER HALF OF TPZ EXTENDING RADIALLY FROM TRUNK.

DBH (DIAMETER AT BREAST HEIGHT):TREE DIAMETER MEASURED AT 4.5 FEET ABOVE GROUND.

ZONE A (CRITICAL ROOT ZONE - CRZ)

1. NO DISTURBANCE WHATEVER ALLOWED WITHOUT SITE-SPECIFIC ARBORIST INSPECTION AND APPROVAL OF METHODS TO PREVENT/MINIMIZE ROOT DAMAGE.

- 2. CUT ROOTS CLEAN. SEVER ROOTS LARGER THAN 2" DIAMETER ONLY AFTER ARBORIST INSPECTS, APPROVES THEN DIRECTS PRUNING. COVER CUT ENDS TO KEEP MOIST UNTIL BACKFILLED.
- 3. TUNNELING IS REQUIRED TO INSTALL LINES 3'-0" BELOW GRADE OR DEEPER. HIGH PRESSURE WATER EXCAVATION IS PROHIBITED WITHIN TOP 3 FT. OF SOIL WHERE ROOTS ARE CONCENTRATED.

ZONE B (OUTER TPZ)

TRUE

NORTH

1. EXCAVATION MUST LEAVE AT LEAST 2/3 OF OUTER TPZ UNDISTURBED.

2. ALL TRENCHING MUST BE DONE BY HAND OR USING AIR EXCAVATION TOOL. SPOILS NOT TO BE PILED IN TPZ; BACKFILL IMMEDIATELY.

SITE PERMIT SET

11/07/22 DAYS FROM APPROVAL DATE. THE CITY

CITY OF PUYALLUP

Planning Division

Approved Landscape Plan

(253) 864-4165

THIS APPROVAL IS VOID AFTER 180

WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE

PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE PLANNING

MANAGER, DESIGNEE, OR PROJECT

NOTE: If street trees are required, Call Planning

Root Barriers are required around street trees in

erification required. Failure to install top soil and root parriers in accordance with city standards may result in

0 0 **PIERC**

05/05/22 22135.00 Drawn By:

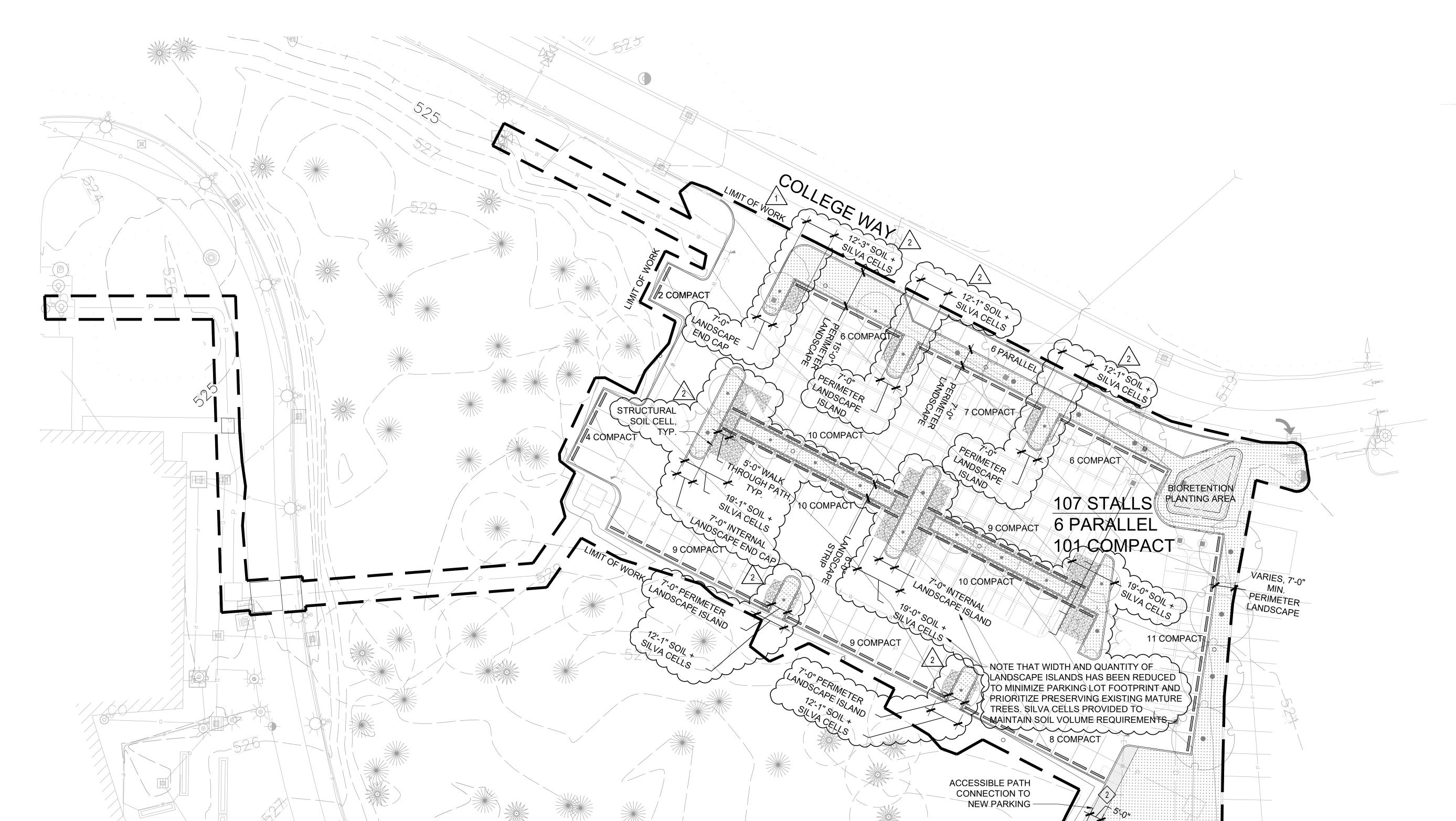
Revisions # Date Description RESUBMITTAL 2 10/25/22 PERMIT

Checked by:

RESUBMITTAL

TREE **PROTECTION** PLAN

L1.01



MATCHLINE - SEE L1.11

CITY OF PUYALLUP **Planning Division Approved Landscape Plan** (253) 864-4165 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 PLANNING MANAGER, DESIGNEE, OR PROJECT PLANNER. NOTE: If street trees are required, Call Planning Division for final inspection: (253) 864-4165 (Option 3) Root Barriers are required around street trees in accordance with city standard detail. Top soil shall be installed in accordance with city standards - field verification required. Failure to install top soil and root barriers in accordance with city standards may result in rejection of installation.

City of Puyallup velopment & Permitting Services
ISSUED PERMIT Planning Engineering Public Works Traffic



0 20 STATE

22135.00 Checked by:

Revisions # Date Description 2 10/25/22

SITE PLAN -NORTH

L1.10

PLANTING LEGEND

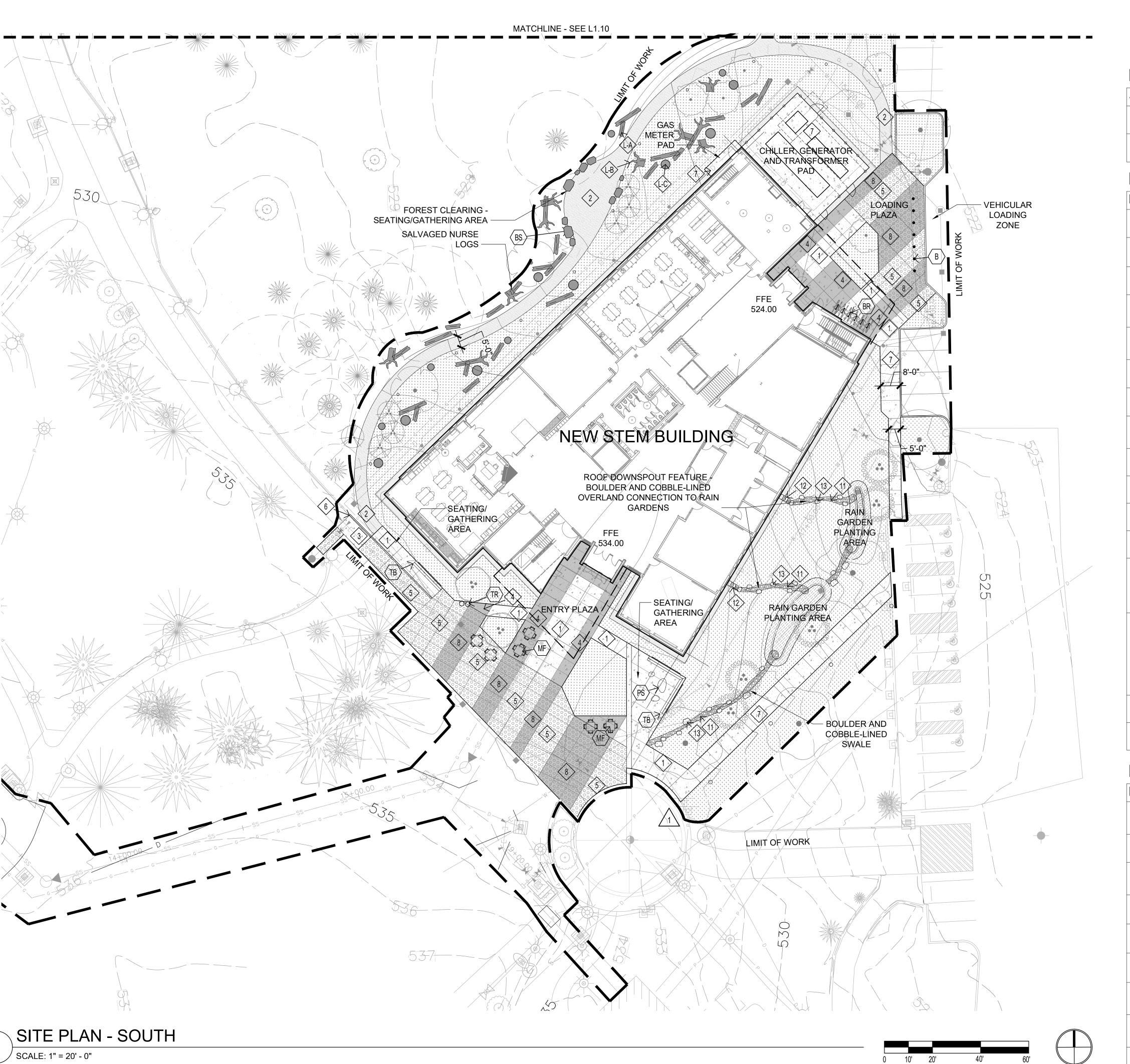
SITE PLAN - NORTH

SCALE: 1" = 20' - 0"

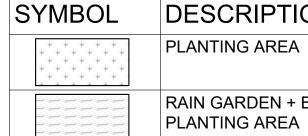
SYMBOL DESCRIPTION PLANTING AREA RAIN GARDEN + BIORETENTION PLANTING AREA

REF. SHEET L1.11 FOR MATERIALS AND FURNISHING LEGENDS

NORTH







DESCRIPTION

RAIN GARDEN + BIORETENTION

CITY OF PUYALLUP **Planning Division Approved Landscape Plan** (253) 864-4165 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 PLANNING MANAGER, DESIGNEE, OR PROJECT PLANNER. NOTE: If street trees are required, Call Planning Division for final inspection: (253) 864-4165 (Option 3) Root Barriers are required around street trees in accordance with city standard detail. Top soil shall be installed in accordance with city standards - field verification required. Failure to install top soil and root barriers in accordance with city standards may result in rejection of installation.

Engineering

City of Puyallup

Development & Permitting Services
ISSUED PERMIT

Public Works

Traffic

MATERIALS LEGEND

KEY	SYMBOL	DESCRIPTION
1>	ΑΔ · · · Δ	CONCRETE PAVING - SANDBLAST FINISH. REF. CIVIL FOR SECTION
2>		CRUSHED ROCK SURFACING
3>	\(\psi \)	GRASS PAVE - REF. CIVIL
4	*4A A	CONCRETE PAVING - EXPOSED AGGREGATE FINISH. REF. CIVIL FOR SECTION
5	00000	VEHICULAR CONCRETE PAVING - SANDBLAST FINISH. REF. CIVIL FOR SECTION
6		FLUSH CURB
7>	ΑΔ · · · Δ · · · Δ · · · · Δ	CONCRETE PAVING - BROOM FINISH. REF. CIVIL FOR SECTION
8		VEHICULAR CONCRETE PAVING - EXPOSED AGGREGATE FINISH. REF. CIVIL FOR SECTION
9		CAST IN PLACE CONCRETE PAVEMENT BAND
10>		CRUSHED ROCK MAINTENANCE EDGE
<u> </u>		RIVER ROCK SWALE
(12)	amo	STEPPING STONE WATER CHANNEL
(L-A)		NURSE LOG
(L-B)		NURSE ROOTWAD
<u>(1-C)</u>	000	NURSE STUMP
13>		LANDSCAPE BOULDERS - REF. BOULDER SCHEDULE

FURNISHING LEGEND

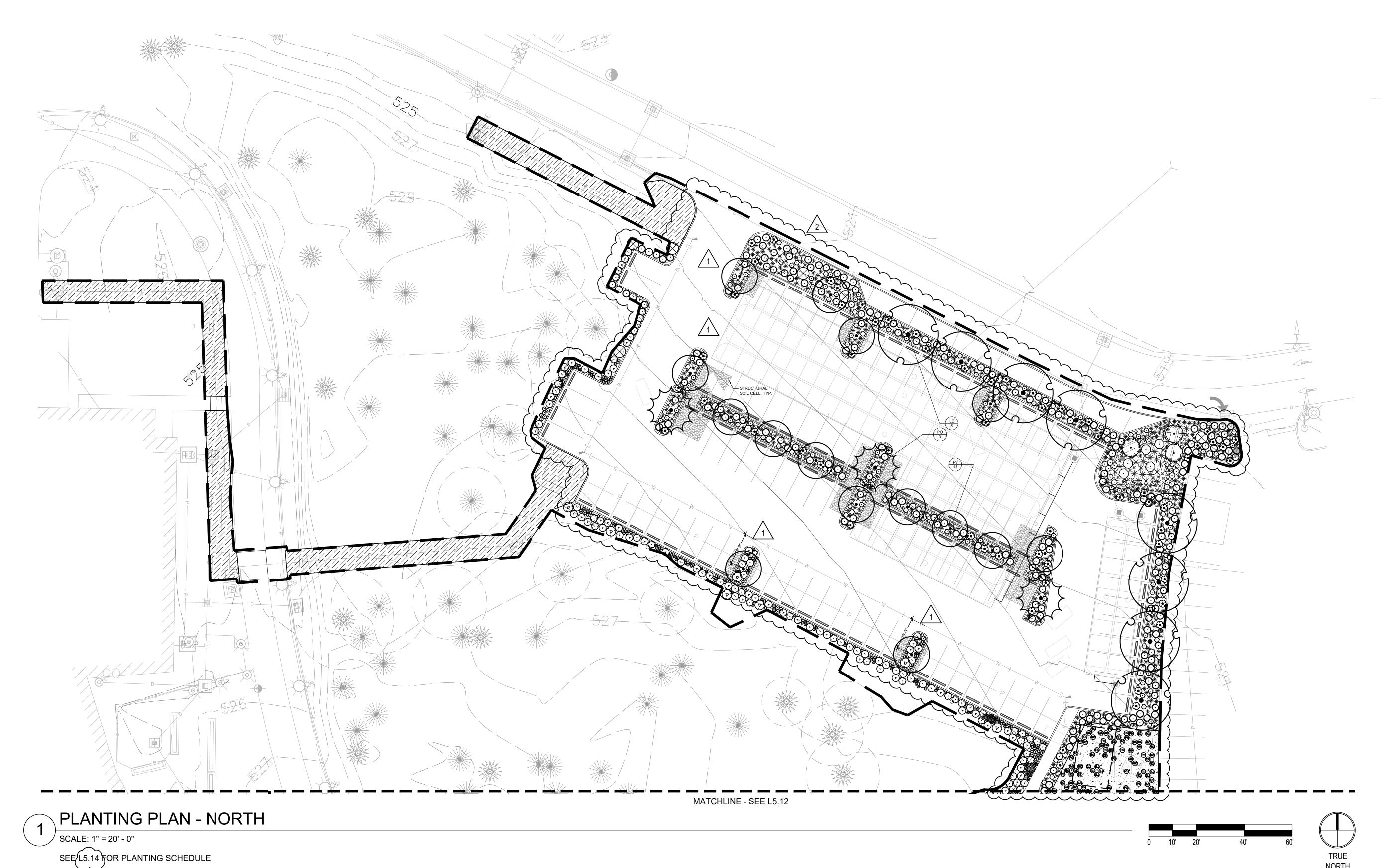
KEY	SYMBOL	DESCRIPTION
⟨TB⟩>		TIMBER BENCH - COLUMBIA CASCADE TIMBERFORM
(PS)>>		PEBBLE STOOL - TOURNESOL
$\langle MF \rangle \rightarrow$		MOVEABLE CAFE TABLES AND CHAIRS - FORMS + SURFACES 'FACTOR'
$\langle B \rangle \!\!\!>$	•	BOLLARD - TOURNESOL 'B-2', REMOVABLE MOUNTING
(BS)>>		BOULDER SEAT - REF. BOULDER SCHEDULE
⟨BR⟩→		BICYCLE RACK - SPORT WORKS 'TOFINO'
⟨TR⟩>	0	TRASH RECEPTACLES - LANDSCAPE FORMS 'CHASE PARK'
$\langle F \rangle \rightarrow$		ARCHITECTURAL FENCE - OMEGA UNIK PERFORATED PANELS
$\langle G \rangle \rightarrow$		GATES - OMEGA UNIK



Date

SITE PLAN -SOUTH

L1.11



CITY OF PUYALLUP
Planning Division
Approved Landscape Plan
(253) 864-4165
Staff:
Date:

11/07/22

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PLANS. FIELD CONDITIONS MAY
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MANAGER, DESIGNEE, OR PROJECT
PLANNER.

NOTE: If street trees are required, Call Planning
Division for final inspection: (253) 864-4165 (Option 3)
Root Barriers are required around street trees in
accordance with city standard detail. Top soil shall be
installed in accordance with city standards - field
verification required. Failure to install top soil and root
barriers in accordance with city standards may result in
rejection of installation.

City of Puyallup Development & Permitting Services ISSUED PERMIT		
Building	Planning	
Engineering	Public Works	
Fire OF W	Traffic	



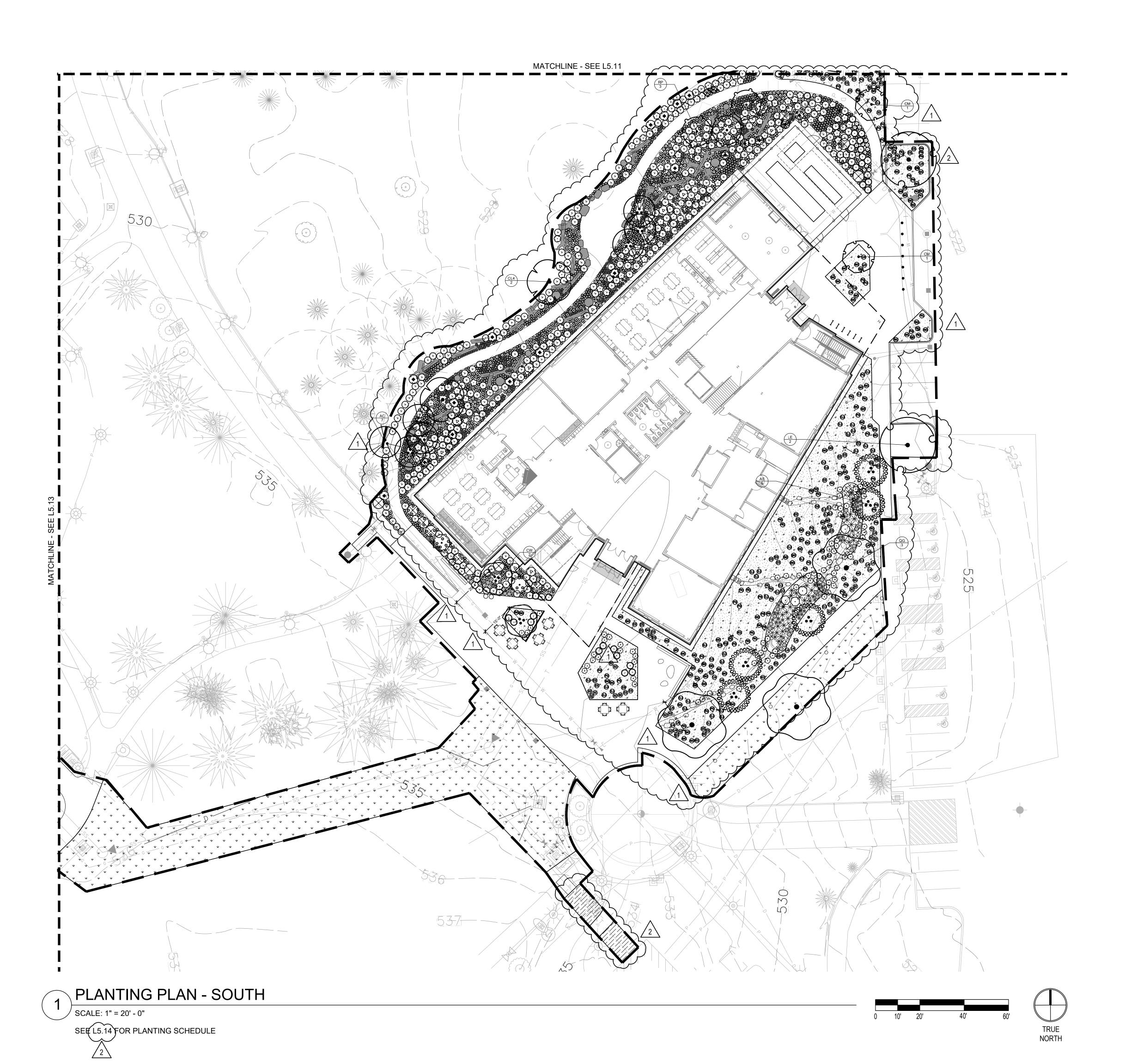
TE PROJECT NO.: 2020-14 RCE COLLEGE PUYALLUF NEW STEM BUILDING

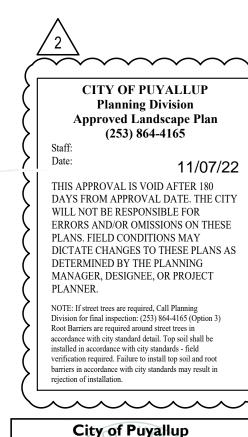
Date:	05/05/22
Job No.:	22135.00
Drawn By:	SC
Checked by:	VS

	I VE VISIOLIS						
#	Date	Description					
1	8/19/22	PERMIT					
		RESUBMITTAL					
2	10/25/22	PERMIT					
		RESUBMITTAL					

PLANTING PLAN -NORTH

L5.11





1-3-1-11-11-11-11-11-11-11-11-11-11-11-1					
City of Puyallup Development & Permitting Serv ISSUED PERMIT					
Building	Planning				
Engineering	Public Works				
Fire OF W	Traffic				

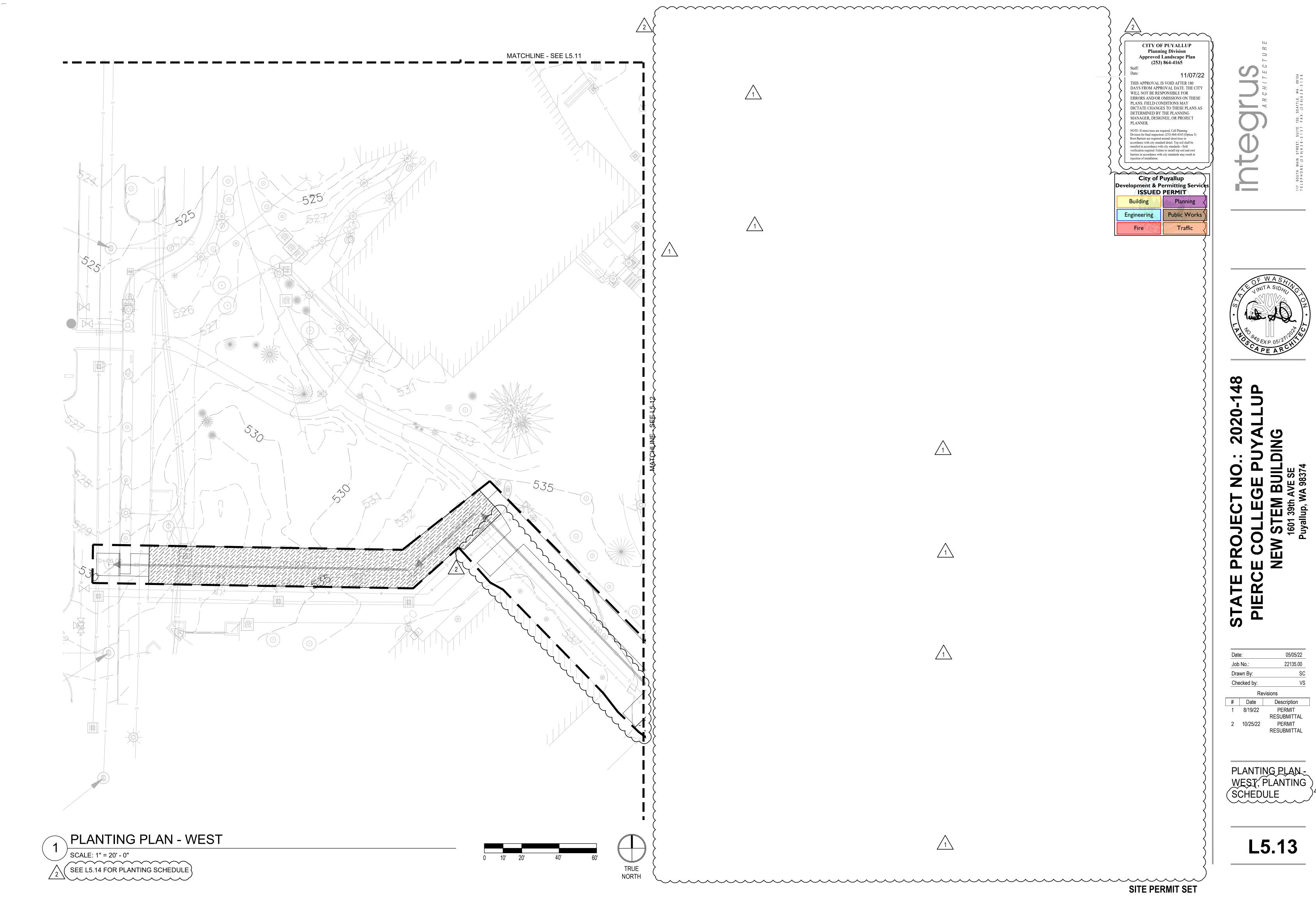


Date:	05/05/22
Job No.:	22135.00
Drawn By:	SC
Checked by:	VS
Revisions	

1 (0 11010110					
#	Date	Description			
1	8/19/22	PERMIT			
		RESUBMITTAL			
2	10/25/22	PERMIT			
		RESUBMITTAL			

PLANTING PLAN -SOUTH

L5.12



SCHEDU	JLE						
	CODE	<u>QTY</u>	BOTANICAL NAME		COMMON NAME		CONT
	AC	7	ACER CIRCINATUM		VINE MAPLE		MULTI-STEM 9`-10` HT.
	AS	5	AMELANCHIER ALNIFOLIA		SERVICEBERRY		1.5" CAL.
	CW	2	CERCIS OCCIDENTALIS		WESTERN REDBUD MULTI-TRUNK		MULTI-STEM 9`-10` HT.
	CL4	2	CORNUS KOUSA X NUTTALLII `KN4-43`		STARLIGHT KOUSA DOGWOOD		2" CAL.
	СМ	2	CORNUS MAS		CORNELIAN CHERRY		1.5" CAL.
	LE	10	LIRIODENDRON TULIPIFERA 'JFS-C	DZ' TM	EMERALD CITY TULIP F	POPLAR	2" CAL.
	PV	15	PARROTIA PERSICA 'VANESSA'		VANESSA PERSIAN PA	RROTIA	2" CAL.
	PO	3	PICEA OMORIKA		SERBIAN SPRUCE		6`-8` HT.
	QG	3	QUERCUS GARRYANA		OREGON WHITE OAK		3" CAL.
	RP	3	RHAMNUS PURSHIANA		CASCARA		2" CAL.
	MEADON APPLICA LAY OUT MIX 75 E SCATTE BRODIA CAMASS CAMASS DICHELO UTILITY ALL ARE RESTOR ASSUME REMOVE ACER C MAHONI	ATION RA T PRAIRIE BULBS OF ER IN PRA EA ELEGA SIA LEICH SIA QUAN OSTEMMA CORRIDO EAS AFFE RED. E 1:1 TRE ED IN UTI IRCINATU	REF. SPEC. FOR SPECIES AND TE. BROADCAST SEED. CONTAINER STOCK PER PLAN. EACH TYPE LISTED BELOW AND IRIE PLANTING AREAS. ANS / HARVEST BRODIAEA ITLINII / GREAT CAMAS A CONGESTUM / OOKOW OR RESTORATION PLANTING COTED BY UTILITY ROUTING TO BE E REPLACEMENT FOR TREES LITY CORRIDOR. JM / VINE MAPLE OLIUM / OREGON GRAPE IS / CREEPING MAHONIA	9,265 SF 8,860 SF 205 576	BULBS BULBS BULBS BULBS MULTI-STEM 9`-10` HT. #1 #1	1:1 REPLACEM 20% @ 36" oc 25% @ 24" oc	IENT
	OXALIS POLYST PSEUDO RIBES S	OREGAN ICHUM M DTSUGA N ANGUINE	A / REDWOOD SORREL UNITUM / WESTERN SWORD FERN MENZIESII / DOUGLAS FIR EUM / RED FLOWERING CURRANT TUM / EVERGREEN HUCKLEBERRY	976 819 256 13 29	#1 4"POT #1 6`-8` HT. #5 #5	25% @ 24 00 20% @ 18" oc 25% @ 36" oc 1:1 REPLACEN 5% @ 72" oc 5% @ 48" oc	IENT
- -	ALL ARE	DING TO E	TION CTED BY UTILITY ROUTING AND BE RESTORED. VN IN EXISTING LAWN AREAS.	8,711 SF			

CONTAINER STOCK	CODE	<u>QTY</u>	BOTANICAL NAME	COMMON NAME	<u>CONT</u>
© 	AP	199	ADDUTUS UNED S	NORTHERN MAIDENHAIR FERN	#1
	AU	6	ARBUTUS UNEDO	STRAWBERRY TREE SHRUB	#2
⊕	AM3	64	ARCTOSTAPHYLOS X `PACIFIC MIST`	PACIFIC MIST MANZANITA	#1
•	AC2	236	ASARUM CAUDATUM	WILD GINGER	#1
⊙	BS	133	BLECHNUM SPICANT	DEER FERN	#1
*	CN	488	CALAMAGROSTIS NUTKAENSIS	PACIFIC REED GRASS	#1
♦	СР	75	CAREX PACHYSTACHYA	CHAMISSO SEDGE	#1
*	CS	73	CAREX STIPATA	AWL-FRUITED SEDGE	#1
\odot	DP	9	DARMERA PELTATA	INDIAN RHUBARB	#2
	GS	19	GAULTHERIA SHALLON	SALAL	#2
•	НМ	128	HEUCHERA MAXIMA	ISLAND ALUM ROOT	#1
₩	II	53	IRIS DOUGLASIANA	DOUGLAS IRIS	#1
⊙	Ю	17	IRIS TENAX	OREGON IRIS	#1
*	JP	61	JUNCUS PATENS	CALIFORNIA GRAY RUSH	#1
②	LL	34	LIMONIUM LATIFOLIUM	SEA LAVENDER	#1
©	MN	102	MAHONIA NERVOSA	OREGON GRAPE	#2
⊙	OR	1,504	OXALIS OREGANA	REDWOOD SORREL	4"POT
\odot	PR	55	PENSTEMON RYDBERGII	RYDBERG'S PENSTEMON	#1
\odot	PM	427	POLYSTICHUM MUNITUM	WESTERN SWORD FERN	#1
O	RM	51	RHAMNUS CALIFORNICA 'MOUND SAN BRUNO'	MOUND SAN BRUNO COFFEEBERRY	#5
\bigoplus	RS	17	RIBES SANGUINEUM	RED FLOWERING CURRANT	#5
•	SI	187	SPIRAEA BETULIFOLIA LUCIDA	BIRCHLEAF SPIREA	#2
⊚	ТО	219	TRILLIUM OVATUM	COAST TRILLIUM	#1
	VO	18	VACCINIUM OVATUM	EVERGREEN HUCKLEBERRY	#5
CONTAINER STOCK - PRAIRIE	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT
@	AM2	71	ACHILLEA MILLEFOLIUM	COMMON YARROW	#1
8	ES	43	ERIGERON SPECIOSUS	SHOWY FLEABANE	#1
9	EL2	66	ERIOPHYLLUM LANATUM	WOOLLY SUNFLOWER	#1
(E)	II2	26	IRIS DOUGLASIANA	DOUGLAS IRIS	#1
(9)	LN	31	LOMATIUM NUDICAULE	BARESTEM BISCUITROOT	#1
€	PR2	31	PENSTEMON RYDBERGII	RYDBERG'S PENSTEMON	#1
⊚	PG	41	POTENTILLA GRACILIS	SLENDER CINQUEFOIL	#1
€	PN	30	PRUNELLA VULGARIS LANCEOLATA	LANCE SELF-HEAL	#1
©	RO2	16	RANUNCULUS OCCIDENTALIS	WESTERN BUTTERCUP	#1
❷	SM2	34	SIDALCEA MALVIFLORA	CHECKERBLOOM	#1
@	WA	8	WYETHIA ANGUSTIFOLIA	MULE'S EARS	#1

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T NO. STATE PROJECT PIERCE CO

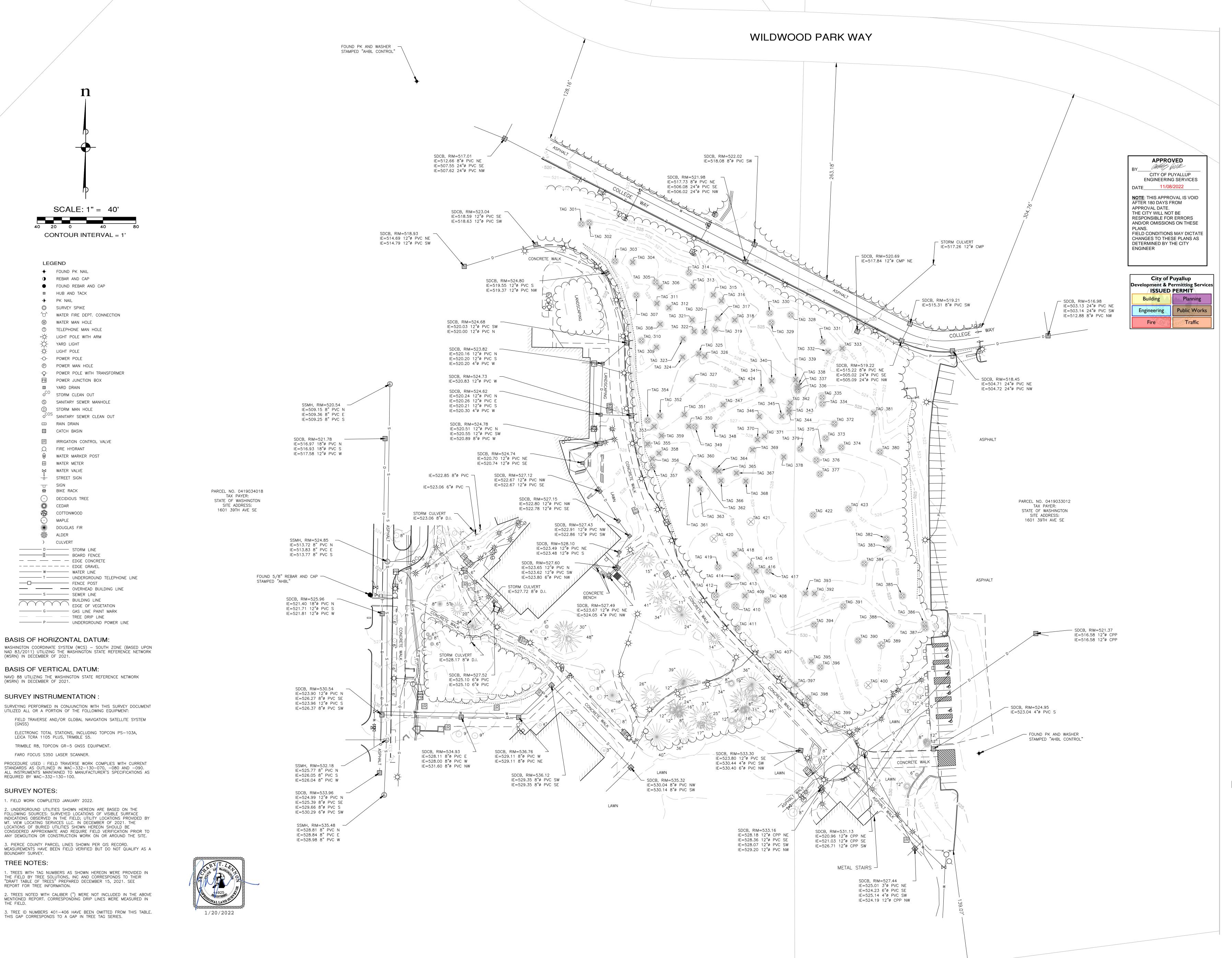
05/05/22
22135.00
SC
VS

Revisions				
	Date	Description		
	8/19/22	PERMIT		
		RESUBMITTA		
	10/25/22	PERMIT		
		RESUBMITTA		

PLANTING PLAN -WEST, PLANTING SCHEDULE

L5.13

SITE PERMIT SET



SCALE: 1" = 40'

CONTOUR INTERVAL = 1'

LEGEND

♦ FOUND PK NAIL REBAR AND CAP

SURVEY SPIKE

→ YARD LIGHT

LIGHT POLE

-O- POWER POLE

YARD DRAIN

□ RAIN DRAIN

CATCH BASIN

Q FIRE HYDRANT

WATER VALVE

── SIGN

₹ CEDAR

₩ BIKE RACK

STREET SIGN

DECIDIOUS TREE

COTTONWOOD

MAPLE

ALDER

CULVERT

----- D----- STORM LINE

---- EDGE GRAVEL

FENCE POST

T UNDERGROUND TELEPHONE LINE

--- OVERHEAD BUILDING LINE

BUILDING LINE EDGE OF VEGETATION

NAVD 88 UTILIZING THE WASHINGTON STATE REFERENCE NETWORK

UTILIZED ALL OR A PORTION OF THE FOLLOWING EQUIPMENT:

FIELD TRAVERSE AND/OR GLOBAL NAVIGATION SATELLITE SYSTEM

ELECTRONIC TOTAL STATIONS, INCLUDING TOPCON PS-103A,

PROCEDURE USED: FIELD TRAVERSE WORK COMPLIES WITH CURRENT

STANDARDS AS OUTLINED IN WAC-332-130-070, -080 AND -090.

2. UNDERGROUND UTILITIES SHOWN HEREON ARE BASED ON THE

FOLLOWING SOURCES: SURVEYED LOCATIONS OF VISIBLE SURFACE

ANY DEMOLITION OR CONSTRUCTION WORK ON OR AROUND THE SITE.

THE FIELD BY TREE SOLUTIONS, INC AND CORRESPONDS TO THEIR "DRAFT TABLE OF TREES" PREPARED DECEMBER 15, 2021. SEE

MT. VIEW LOCATING SERVICES LLC. IN DECEMBER OF 2021. THE

LOCATIONS OF BURIED UTILITIES SHOWN HEREON SHOULD BE

3. PIERCE COUNTY PARCEL LINES SHOWN PER GIS RECORD.

THIS GAP CORRESPONDS TO A GAP IN TREE TAG SERIES.

GAS LINE PAINT MARK

---- TREE DRIP LINE

BASIS OF HORIZONTAL DATUM:

BASIS OF VERTICAL DATUM:

SURVEY INSTRUMENTATION:

LEICA TCRA 1105 PLUS, TRIMBLE S5.

FARO FOCUS S350 LASER SCANNER.

1. FIELD WORK COMPLETED JANUARY 2022.

REQUIRED BY WAC-332-130-100.

SURVEY NOTES:

BOUNDARY SURVEY.

TREE NOTES:

REPORT FOR TREE INFORMATION.

TRIMBLE R8, TOPCON GR-5 GNSS EQUIPMENT.

(WSRN) IN DECEMBER OF 2021.

(WSRN) IN DECEMBER OF 2021.

BOARD FENCE — — — EDGE CONCRETE

M DOUGLAS FIR

W WATER MAN HOLE

TELEPHONE MAN HOLE

-X LIGHT POLE WITH ARM

P POWER MAN HOLE

o^{CO} STORM CLEAN OUT

D STORM MAN HOLE

PB POWER JUNCTION BOX

S SANITARY SEWER MANHOLE

O SANITARY SEWER CLEAN OUT

IR IRRIGATION CONTROL VALVE

WATER MARKER POST

+ PK NAIL

FOUND REBAR AND CAP

WATER FIRE DEPT. CONNECTION

-Q- POWER POLE WITH TRANSFORMER

0 0

1/20/2022 Checked By: Revisions # Date Description

SURVEY **EXISTING CONDITIONS -OVERALL**