

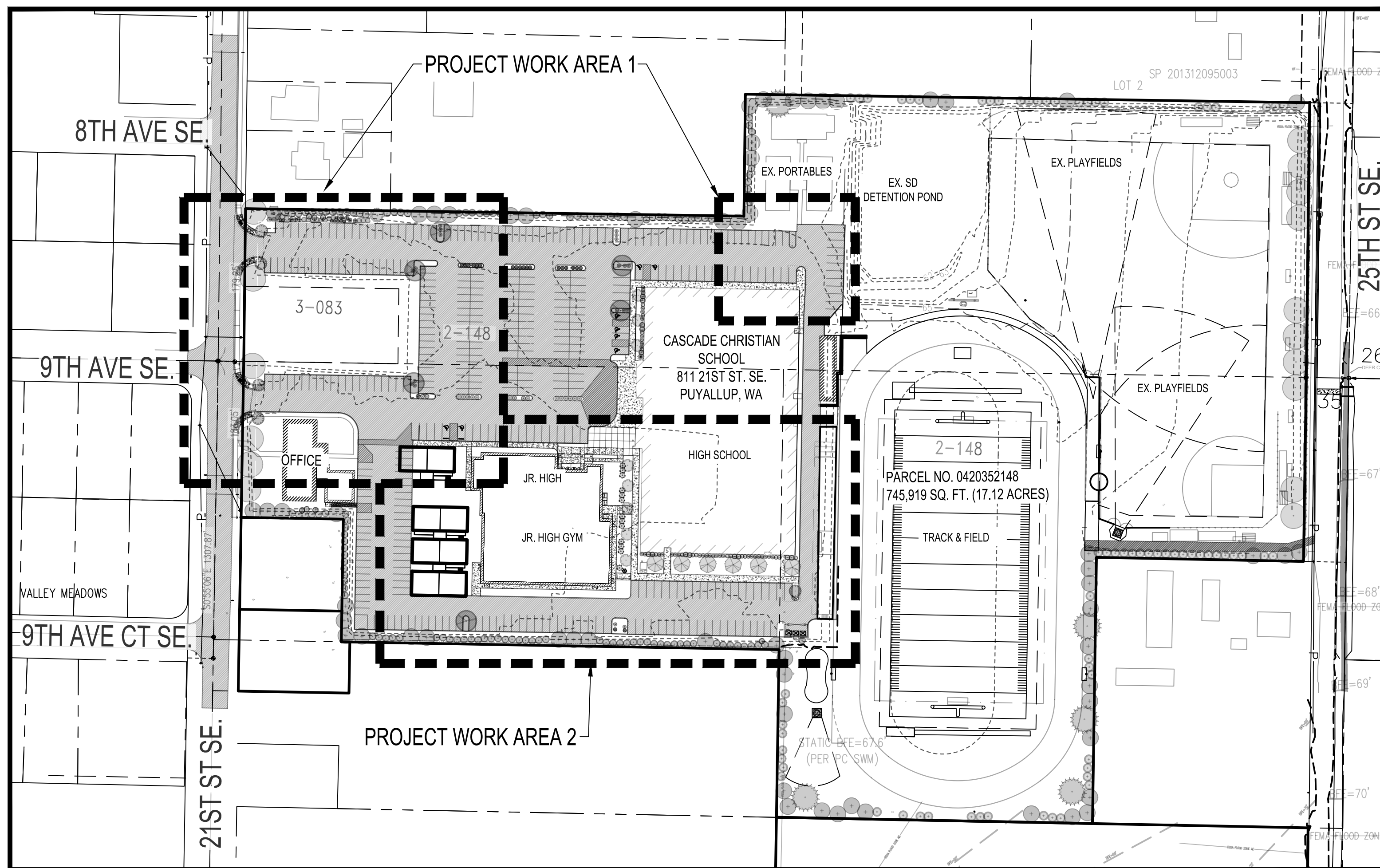
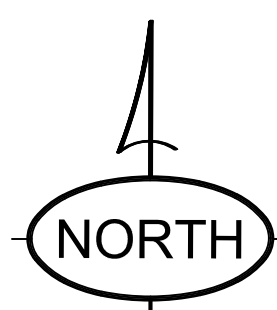
CASCADE CHRISTIAN SCHOOL CAMPUS - ELEMENTARY SCHOOL PORTABLES

COVER SHEET & EXISTING CONDITIONS

A PORTION OF THE S 1/2 OF SECTION 26 AND N 1/2 OF SECTION 35, TOWNSHIP 20 NORTH, RANGE 4 EAST, W.M.
PIERCE COUNTY, WASHINGTON (CITY OF PUYALLUP)



VICINITY MAP
NOT TO SCALE



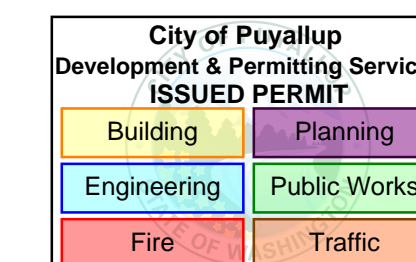
EXISTING CONDITIONS

SCALE: 1" = 100'

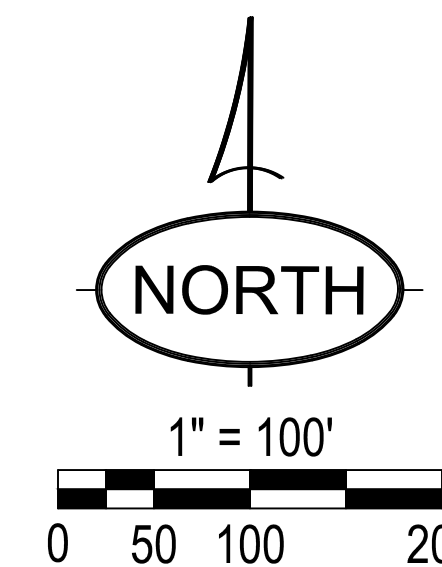
BASIS OF BEARING
WASHINGTON COORDINATE SYSTEM OF 1983, SOUTH ZONE NAD83(91)(HARN) PER NGS-CORS WASHINGTON STATE REFERENCE NETWORK "WSRN" AND NGS CONVERSION (NCAT). ALL DIMENSIONS ARE SHOWN IN US SURVEY FEET AT GROUND LEVEL, UNLESS OTHERWISE NOTED.

DATUM
NAVD88(12B) PER NGS-CORS WASHINGTON STATE REFERENCE NETWORK "WSRN" AND APPLIED GEOID 12B CONTOUR INTERVAL: 2'

SITE BENCHMARK
MONUMENT IN CASE WITH 3" BRASS DISK, 0.8' BELOW RIM, POINT NUMBER 501 AT INTX. 9TH AVE. CT E., & 21ST ST. E. ELEVATION=68.11



APPROVED
BY: <i>[Signature]</i> CITY OF PUYALLUP ENGINEERING SERVICES
DATE: 06/04/2025
NOTE: THIS APPROVAL IS VOID AFTER 1 YEAR 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 ENGINEERING SERVICES MANAGER.



SYMBOL LEGEND	
--- 90' ---	EXISTING CONTOUR
— 90 —	PROPOSED CONTOUR
—○—	EX. CHAINLINK FENCE
—SS—	EX. SEWER LINE
—W—	EX. WATER LINE
—P—	EX. POWER
—SD—	EX. STORM DRAINAGE LINE
—SD—	PROPOSED STORM DRAINAGE LINE
●	EX. TREE
● FH	EX. FIRE HYDRANT
●	EX. CATCH BASIN
● PP	EX. POWER POLE
● LP	EX. LIGHT POLE
● S	EX. SEPTIC LID
● MH	EX. SEWER MANHOLE
●	EX. MAILBOX
●	EX. SIGN
●	EX. UTILITY RISER
●	EX. UTILITY COVER
— ADA —	ADA ROUTE
1.0%	FINISH GRADE SLOPE
■	PROPOSED YARD DRAIN
■	EX. ASPHALT
■	EX. GRAVEL
■	EX. CONCRETE
■	PAVEMENT REMOVAL
■	PROPOSED ASPHALT
■	PROPOSED CONCRETE

PROJECT SPECIFICATIONS	
PROJECT AREA: PROPOSED USE: PRIVATE RELIGIOUS EDUCATION SITE SIZE: 756,448 SF/17.37 AC (INCL. ANNEXED PARCEL) DEVELOPED AREA: 100% IMPERVIOUS AREA: 6.40 ACRES PERVIOUS AREA: 10.97 ACRES OPEN SPACE AREA: PARKING (ASPHALT) AREA: 278,467 SF/6.39 AC. LANDSCAPE AREA: 477,981 SF/10.97 AC. MIN LOT SIZE: 8,000 SF/4,000 SF MIN LOT DEPTH: 90'/80' MIN LOT WIDTH: 60'/40' MAX SITE COVERAGE: 45%/50% SITE COVERAGE: 50%	
SET BACKS:	
FRONT:	BUILDING 20'/15' YARD 30'
SIDE:	16'/5' 30'
REAR:	20'/15' 30'
SIDE STREET:	15'/10' 12'
LOT WIDTH:	60'/40'
LOT LENGTH:	90'/80'

SITE DATA	
ASSESSORS/TAX PARCEL NUMBER: 0420352148, 0420263083 (ANNEXED) PARCEL/SITE SIZE: 756,448 (17.37 AC) SECTION/TOWNSHIP/RANGE: 35/20/04 DEVELOPMENT JURISDICTION: CITY OF PUYALLUP SITE ADDRESS: 815 21ST ST. SE PUYALLUP, WA 98372	
ZONING: RS-08/RS-04 DENSITY: 5 DU/8 DU PER ACRE PRESENT USE: PRIVATE RELIGIOUS EDUCATION SENSITIVE AREAS: N/A WETLANDS: NO FLOOD PLAIN HAZARD AREAS: YES (FEMA 100 YEAR) EROSION HAZARD AREAS: NO LANDSLIDE HAZARD AREAS: NO COAL MINE HAZARD AREAS: NO SEISMIC HAZARD AREAS: YES CREEKS/STREAMS: NO LAKES: NO STEEP SLOPES(10% OR GREATER): NO VOLCANIC: YES WILDLIFE HABITAT: NO SHORELINE CLASSIFICATION: N/A IMPERVIOUS AREAS: 6.40 AC. (UPDATED) PERVIOUS AREAS: 10.97 AC. (UPDATED) ADJACENT ZONING DESIGNATIONS & USE: NORTH: RS-04 (HIGH URBAN DENSITY SINGLE-FAMILY RESIDENTIAL ZONE) SOUTH: RS-08 (MEDIUM URBAN DENSITY SINGLE-FAMILY RESIDENTIAL ZONE) EAST: RS-04/RS-08 (HIGH & MEDIUM URBAN DENSITY SINGLE-FAMILY RESIDENTIAL ZONE) WEST: RS-08 (MEDIUM URBAN DENSITY SINGLE-FAMILY RESIDENTIAL ZONE)	

TOPOGRAPHIC / SURVEY NOTE
THE EXISTING CULTURAL AND TOPOGRAPHICAL DATA SHOWN ON THESE DRAWINGS HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, VADER ENGINEERING 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.

LEGAL DESCRIPTIONS
PARCEL 0420352148:
SECTION 35 TOWNSHIP 20 RANGE 04 QUARTER 21 :
PARCEL "A" OF DBLR 95-12-11-0281 COMMENCING AT THE INTERSECTION OF 21ST ST SE & 9TH AVE SE BEING ON SECTION LINE BETWEEN SECTIONS 26 & 35 THENCE EAST ALONG SAID SECTION LINE 30 FEET TO EASTERLY R/W LINE OF SAID 21ST ST SE & POINT OF BEGINNING THENCE CONTINUE EAST ALONG SAID SECTION LINE 181 FEET THENCE NORTH 01°11'52" WEST 88 FEET THENCE SOUTH 88°59'43" WEST 181 FEET TO EASTERLY R/W LINE OF 21ST ST SE THENCE NORTH ALONG SAID R/W LINE 91.25 FEET THENCE EAST PARALLEL WITH SECTION LINE 585 FEET THENCE NORTH 01°11'52" WEST 143.25 FEET THENCE EAST PARALLEL WITH SECTION LINE 672.34 FEET TO WESTERLY R/W OF 25TH ST SE THENCE SOUTH ALONG SAID R/W 322.5 FEET TO SECTION LINE THENCE CONTINUE ALONG SAID WESTERLY R/W LINE OF 25TH ST SE 215.97 FEET THENCE SOUTH 89°15'54" WEST 253.06 FEET THENCE SOUTH 01°01'12" EAST 312.48 FEET THENCE SOUTH 89°15'54" WEST 371 FEET TO EAST LINE OF NORTHWEST OF NORTHEAST OF NORTHWEST THENCE NORTH ALONG SAID SUBDIVISION 196.75 FEET TO SOUTHEAST CORNER OF NORTH 1/2 OF NORTHWEST OF NORTHEAST OF NORTHWEST THENCE WEST ALONG SAID SUBDIVISION 513.88 FEET TO SOUTHEAST CORNER OF SOUTH 1/4 FEET OF WEST 150 FEET OF NORTH 1/2 OF NORTHWEST OF NORTHEAST OF NORTHWEST THENCE N 00°55'06" WEST 144 FEET THENCE SOUTH 89°09' WEST 120 FEET TO SAID EASTERLY R/W OF 21ST ST SE THENCE NORTH ALONG 183.05 FEET TO POINT OF BEGINNING OUT OF 2-145, 2-010 & 04-20-26-3-007 SEG H-0611 JU 1/23/96JU

SURVEY REFERENCES
1. PIERCE COUNTY ROS FOR BLA/LOT CONSOLIDATION CASE NO. 95-94-010, PER AFN 9512110281.
2. SURVEY FIELD WORK PERFORMED DURING THE 3rd WEEK OF MARCH, 2021 USING GPS EQUIPMENT BY ABBEY ROAD GROUP LAND DEVELOPMENT SERVICES COMPANY, LLC, ROBERT L. "LES" HILLEBRAND, PLS.

PROJECT INFO		
OWNER: CASCADE CHRISTIAN SCHOOLS DON JOHNSON 815 21ST ST SE PUYALLUP, WA 98372 (253) 841-1776	CIVIL ENGINEER: VADER ENGINEERING REBECCA VADER, PE 6817 27TH ST. W #65353 TACOMA, WA 98464 TEL: 253-363-2065	ESCL: BRAD HINES BMA SOLUTIONS 3160 84TH CT. E EDGEWOOD, WA 98371 TEL: 253-736-3213
ARCHITECT: JEFF BROWN ARCHITECTURE JEFF BROWN, AIA NCARB 12181 C ST. S. TACOMA, WA 98444 (253) 606-8324 W JEFF@JEFFBROWNARCHITECTURE.COM	TOPOGRAPHIC SURVEYOR: ABBAY ROAD GROUP LAND DEV. SERVICES COMPANY LES HILLEBRAND P.O. BOX 1224 PUYALLUP, WA 98371 (253) 435-3699 W LES.HILLEBRAND@ABBAYROADGROUP.COM	CONSTRUCTION EMERGENCY CONTACT: KEN SCHMIDT TEL: 253-365-3974
LANDSCAPE ARCHITECT: JGM LANDSCAPE ARCHITECTS INC. PS CRAIG LEWIS, PLA, ASLA 12610 N.E. 104TH STREET SEATTLE, WA 98033 (425) 454-5723 OFFICE (206) 795-3196 CELL CRAIG@JGM-INC.COM	CONTRACTOR: MOUNTAIN CONSTRUCTION KEN SCHMIDT 7457 S. MADISON ST. TACOMA, WA 98409 (253) 474-5281 (253) 365-3974 CELL KEN@MOUNTAINCONST.COM	OWNER EMERGENCY CONTACT: RAY OSSMAN TEL: 253-332-1216

UTILITIES		
SEWER: CITY OF PUYALLUP 1100 39TH AVE SE PUYALLUP, WA 98374 (253) 840-5550	WATER: CITY OF PUYALLUP 1100 39TH AVE SE PUYALLUP, WA 98374 (253) 840-5550	GAS: PUGET SOUND ENERGY 6905 S 228TH ST KENT, WA 98032 (253) 395-6954
FIRE: PUYALLUP FIRE 902 7TH ST NW PUYALLUP, WA 98371 (253) 845-6666	CABLE: COMCAST 2200 N 30TH ST TACOMA, WA (253) 472-1100	POWER: PUGET SOUND ENERGY 6905 S 228TH ST KENT, WA 98032 (253) 395-6954
SCHOOL: PUYALLUP SCHOOL DIST. 302 2ND ST E PUYALLUP, WA 98371 (253) 841-1301	REFUSE: DM DISPOSAL 3600 PORT OF TACOMA RD SUITE 505 TACOMA, WA 98424 (253) 845-6955	TELEPHONE: QWEST PHONE COMPANY 955 LIND SW RENTON, WA 98055 (425) 228-6092

ABBREVIATIONS	
CB	CATCH BASIN
CMP	CORRUGATED METAL PIPE
EX	EXISTING
FG	FINISH GRADE
LF	LINEAR FEET
OH	OVERHEAD
PVC	POLYVINYL CHLORIDE
SDCB	STORM DRAIN CATCH BASIN
SDCO	STORM DRAIN CLEAN OUT
SSCO	SANITARY SEWER CLEAN OUT
SSMH	SANITARY SEWER MAN HOLE
TYP	TYPICAL
YD	YARD DRAIN

SHEET INDEX	
SHEET C1	COVER SHEET & EXISTING CONDITIONS
SHEET C2	CSWPP PLAN - PROJECT WORK AREA 1
SHEET C3	CSWPP PLAN - PROJECT WORK AREA 2
SHEET C4	CSWPP NOTES & DETAILS
SHEET C5	CSWPP NOTES & DETAILS (2)
SHEET C6	GRADING, DRAINAGE & UTILITIES PLAN - PROJECT WORK AREA 1
SHEET C7	GRADING, DRAINAGE & UTILITIES PLAN - PROJECT WORK AREA 2
SHEET C8	NOTES & DETAILS
SHEET C9	NOTES & DETAILS (2)
SHEET C10	NOTES & DETAILS (3)
SHEET C11	EVA/FIRE TRUCK AUTOTURN ACCESS
SHEET C12	SIGHT DISTANCE ANALYSIS

BEFORE YOU DIG
CALL
1-800-424-5555
NOT LESS THAN 48 HOURS BEFORE
BEGINNING EXCAVATION UNLESS ANY
UNDERGROUND UTILITIES MAY BE LOCATED.

CASCADE CHRISTIAN SCHOOL CAMPUS ELEMENTARY SCHOOL PORTABLES
COVER SHEET & EXISTING CONDITIONS
SITE ADDRESS:
811 21ST ST SE
PUYALLUP, WA 98372

VADER ENGINEERING
6817 27TH ST W, #65353
TACOMA, WA 98464
253.363.2065
rvader@vaderengineering.com

NO.	REVISION

PROJECT NO: 2409-6
SCALE: 1" = 100'
DESIGNED: RSV
DRAWN: AMS
SAVED: 5/9/2025
PLOT DATE: 5/9/2025

C1
SHEET 1 OF 12

CASCADE CHRISTIAN SCHOOL CAMPUS - ELEMENTARY SCHOOL PORTABLES

CSWPP PLAN - PROJECT WORK AREA 2

A PORTION OF THE S 1/2 OF SECTION 26 AND N 1/2 OF SECTION 35, TOWNSHIP 20 NORTH, RANGE 4 EAST, W.M.
PIERCE COUNTY, WASHINGTON (CITY OF PUYALLUP)

SYMBOL LEGEND	
-----	SAWCUT LINE
-----	OBJECT TO BE DEMOLISHED
□	TEMPORARY CONSTRUCTION FENCE
-x-	BMP 235 WATTLES OR FILTER FABRIC FENCE
CL	CLEARING LIMITS

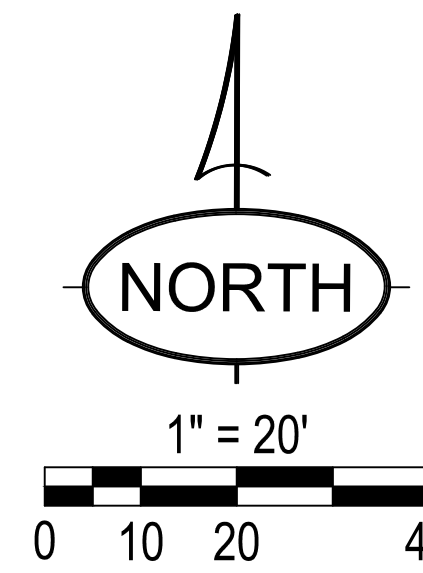
CSWPPP NOTES & KEY	
1.	CLEARING & GRADING LIMITS
2.	STABILIZE ENTRANCE & CIRCULATION, C107 AND SWEEP PAVEMENT AS NEEDED
3.	PREVENT SEDIMENTATION OF INFILTRATION FACILITIES, BMP C235 WATTLES (N/A)
4.	SEDIMENT CONTROLS BMP C235 WATTLES AND STABILIZE SOILS, BMP C120-126, 140
5.	PROTECT SLOPES, BMP C120, 121, STOCKPILE SLOPES BMP C122, 123
6.	PROTECT DRAIN INLETS WITH FILTER INSERT
7.	PROTECT CHANNELS PROPOSED (N/A)
8.	MAINTAIN BMPs, INSPECT WEEKLY, REMOVE TEMPORARY BMPs WITHIN 30 DAYS OF FINAL STABILIZATION, BMP C160
9.	CONSTRUCTION OR HIGH VISIBILITY FENCE OR CONES WHERE ADJACENT TO PUBLIC TRAVEL DURING TIME OF CONSTRUCTION
10.	PROVIDE TREE PROTECTION

TREE PROTECTION NOTE	
EX. TREES TO REMAIN ARE TO BE PROTECTED ACCORDING TO THE BEST MANAGEMENT PRACTICES AND RECOMMENDATIONS PROVIDED IN THE ASSOCIATED ARBORIST REPORT. SEE TREE PROTECTION FENCING DETAIL SHEET C9.	
DISPOSE OF REMOVED DEBRIS AT AN APPROVED SITE.	

PARKING NOTE	
EXISTING PARKING SHALL REMAIN OPEN FOR SCHOOL USE UNTIL REPLACEMENT PARKING IS AVAILABLE.	

CONSTRUCTION SEQUENCE	
1.	HOLD A PRECONSTRUCTION MEETING WITH THE CITY OF PUYALLUP AND OBTAIN REQUIRED PERMITS.
2.	ESTABLISH CLEARING AND GRADING LIMITS
3.	CONSTRUCT TEMPORARY CONSTRUCTION ENTRANCE
4.	CONSTRUCT PERIMETER DITCHES, SILT FENCES, AND OTHER EROSION AND CONTROL DEVICES AS SHOWN ON THE PLAN.
5.	CONSTRUCT PROTECTION DEVICES FOR CRITICAL AREAS AND SIGNIFICANT TREES PROPOSED FOR RETENTION.
6.	SCHEDULE AN EROSION CONTROL INSPECTION WITH THE CITY OF PUYALLUP.
7.	GRADING ACTIVITIES MAY ONLY COMMENCE AFTER ALL DRAINAGE AND EROSION CONTROL MEASURES ARE IN PLACE PER THE APPROVED PLAN.
8.	IDENTIFY EROSION CONTROL MEASURES WHICH REQUIRE REGULAR MAINTENANCE.
9.	EROSION AND SEDIMENT CONTROLS MAY ONLY BE REMOVED ONCE THE SITE IS STABILIZED TO THE CITY OF PUYALLUP SITE INSPECTOR'S SATISFACTION.

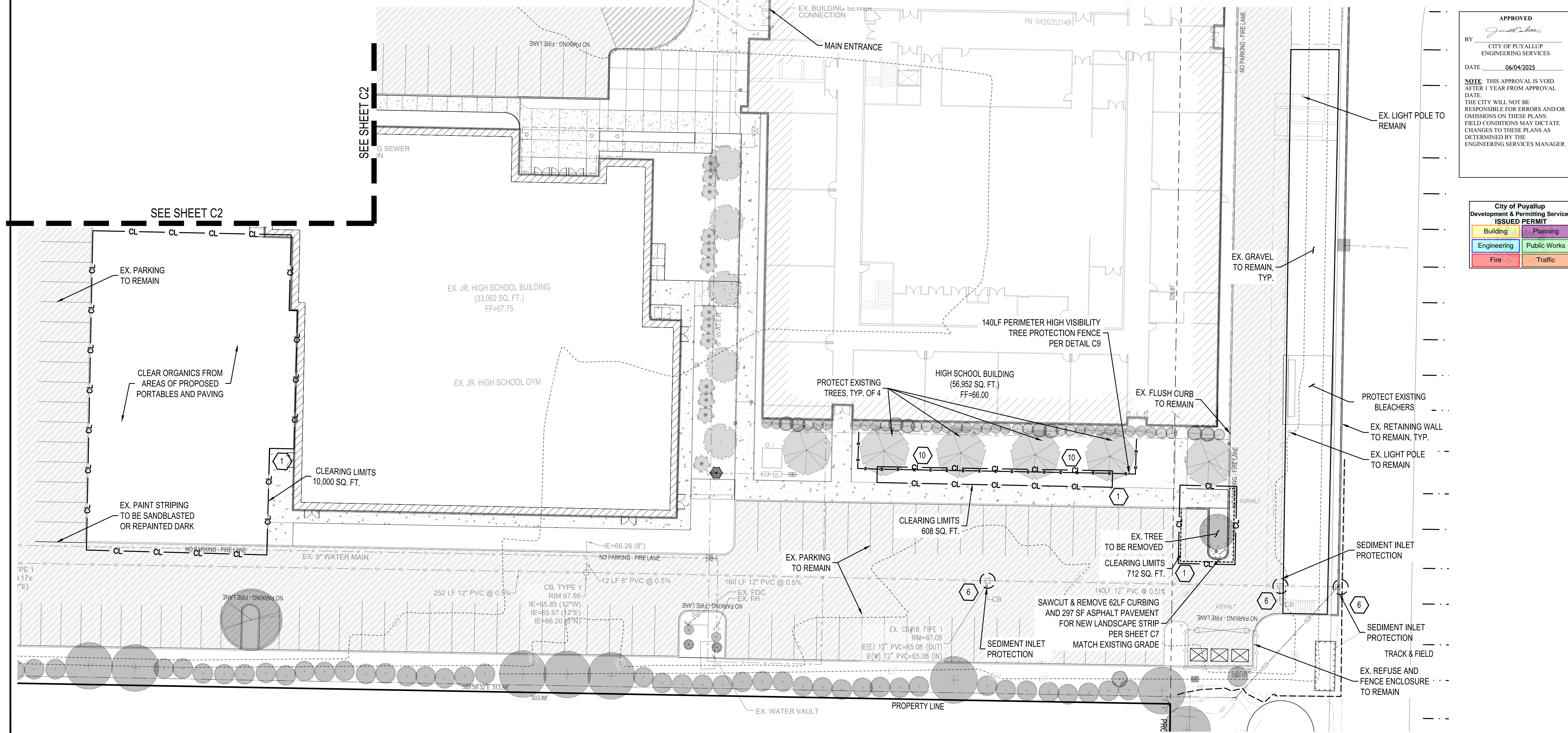
CONSTRUCTION SCHEDULE:
BEGIN (MONTH, YEAR): _____
END (MONTH, YEAR): _____



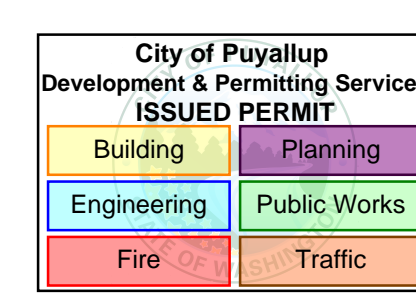
BASIS OF BEARING	
WASHINGTON COORDINATE SYSTEM OF 1983, SOUTH ZONE NAD83(91)(HARN) PER NGS-CORS WASHINGTON STATE REFERENCE NETWORK "WSRN" AND NGS CONVERSION (NCAT). ALL DIMENSIONS ARE SHOWN IN US SURVEY FEET AT GROUND LEVEL, UNLESS OTHERWISE NOTED.	

DATUM	
NAVD88(12B) PER NGS-CORS WASHINGTON STATE REFERENCE NETWORK "WSRN" AND APPLIED GEOID 12B	
CONTOUR INTERVAL: 2'	

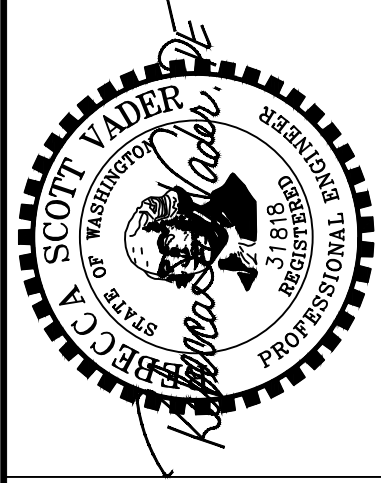
SITE BENCHMARK	
MONUMENT IN CASE WITH 3" BRASS DISK, 0.8' BELOW RIM, POINT NUMBER 501 AT INTX. 9TH AVE. CT E., & 21ST ST. E. ELEVATION=68.11	



APPROVED	
BY	<i>[Signature]</i>
	CITY OF PUYALLUP ENGINEERING SERVICES
DATE	06/04/2025
NOTE: THIS APPROVAL IS VOID AFTER 1 YEAR 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 ENGINEERING SERVICES MANAGER.	



CASCADE CHRISTIAN SCHOOL CAMPUS ELEMENTARY SCHOOL PORTABLES
CSWPP PLAN - PROJECT WORK AREA 2
SITE ADDRESS:
811 21ST ST SE
PUYALLUP, WA 98372



VADER
ENGINEERING
6817 27TH ST W, #65353
TACOMA, WA 98464
253.363.2085
vader@vaderengineering.com

NO.	REVISION

PROJECT NO: 2409-6
SCALE: 1" = 20'
DESIGNED: RSV
DRAWN: AMS
SAVED: 5/9/2025
PLOT DATE: 5/9/2025

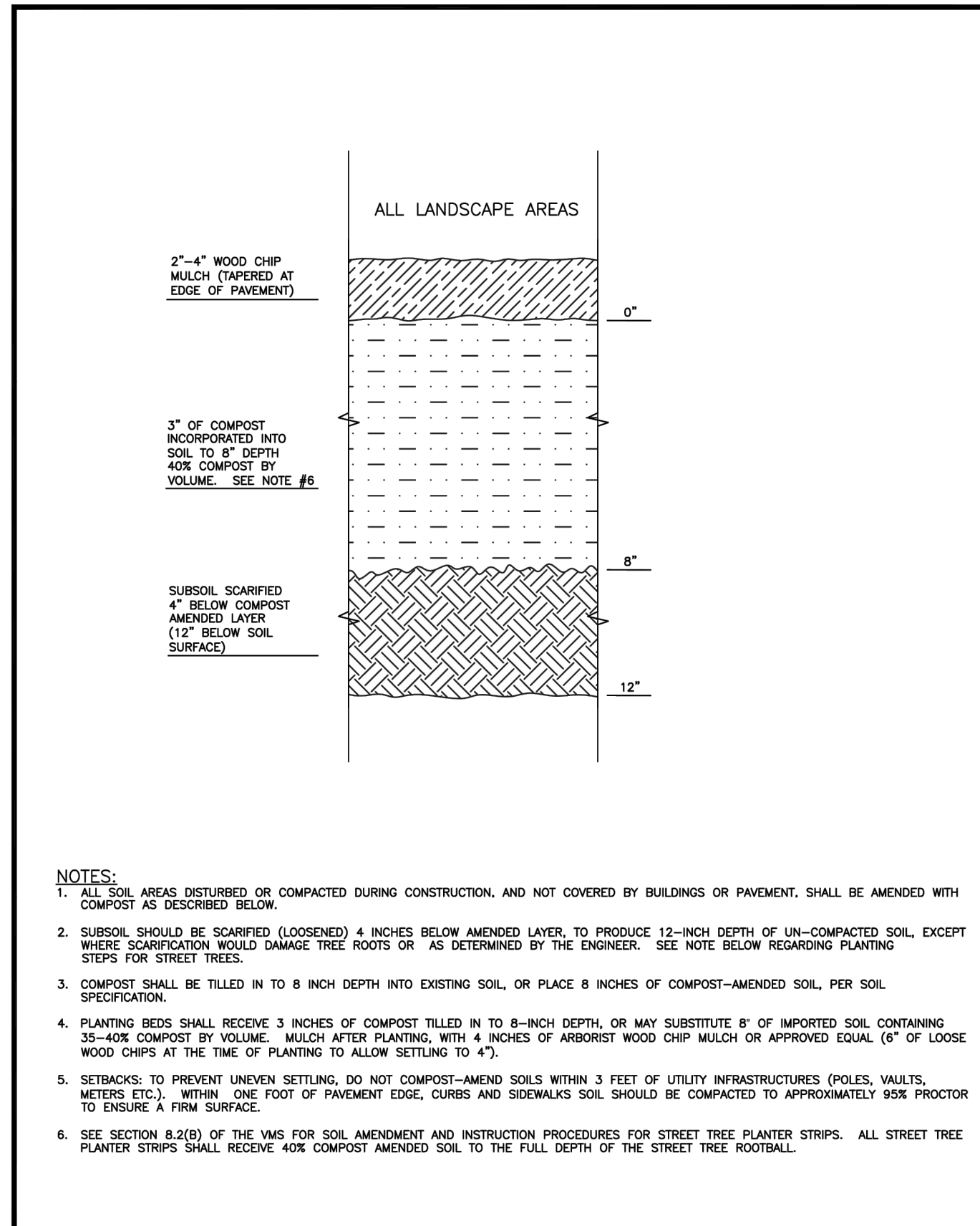
CASCADE CHRISTIAN SCHOOL CAMPUS - ELEMENTARY SCHOOL PORTABLES

CSWPPP NOTES & DETAILS

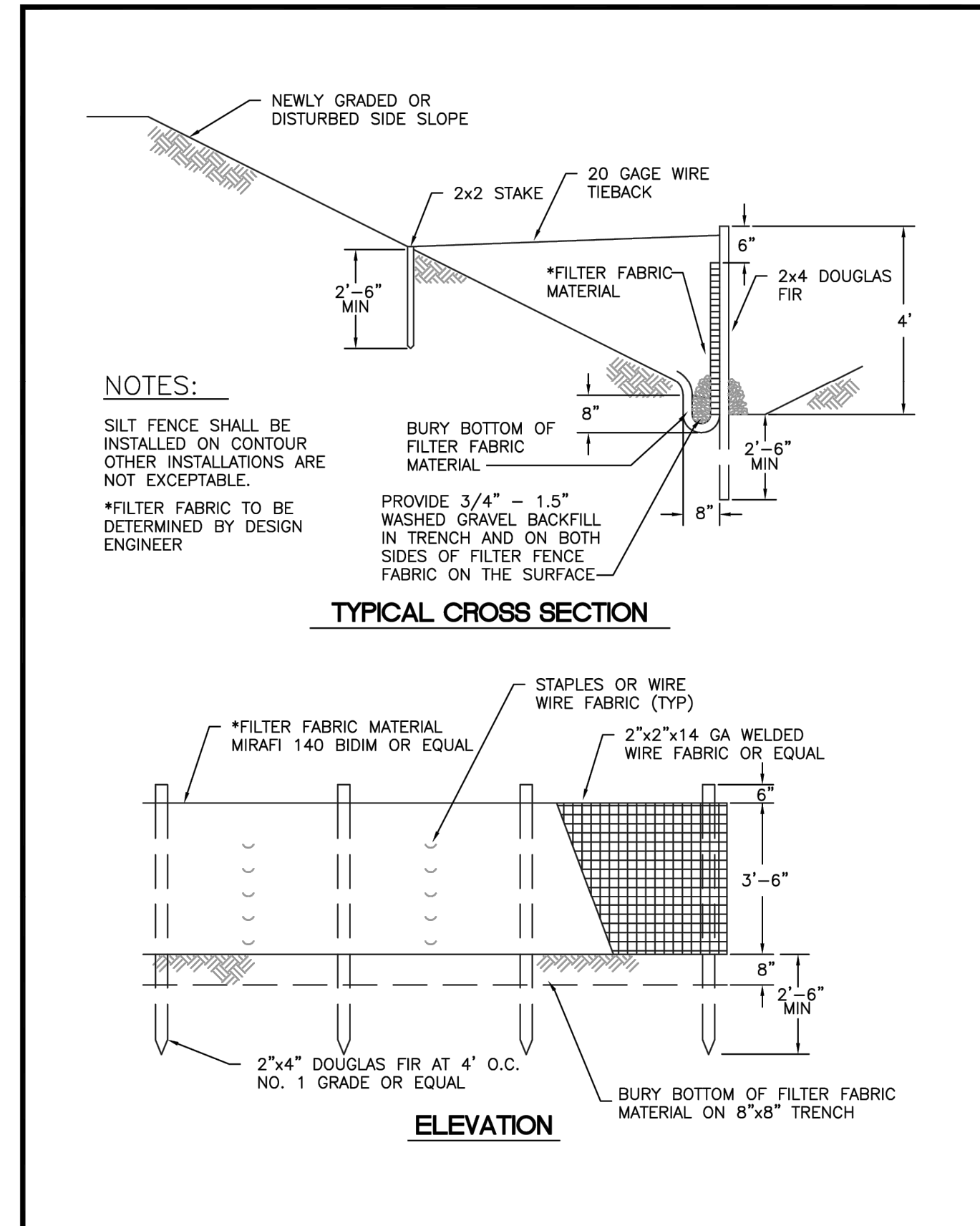
A PORTION OF THE S 1/2 OF SECTION 26 AND N 1/2 OF SECTION 35, TOWNSHIP 20 NORTH, RANGE 4 EAST, W.M. PIERCE COUNTY, WASHINGTON (CITY OF PUYALLUP)

BEFORE YOU DIG
CALL
1-800-424-5555
NOT LESS THAN 48 HOURS BEFORE
BEGINNING EXCAVATION UNLESS ANY
UNDERGROUND UTILITIES MAY BE LOCATED.

CASCADE CHRISTIAN SCHOOL CAMPUS ELEMENTARY SCHOOL PORTABLES
CSWPPP NOTES & DETAILS
SITE ADDRESS:
811 21ST ST SE
PUYALLUP, WA 98372



CITY OF PUYALLUP DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS	SOIL AMENDMENT AND DEPTH				
	DRAWN BY: LINCOLN LIAN CHECKED BY: CHRIS WELLS FILE NAME: C:\WORK\COMMON\STDCITY\2009\02\01\01.DWG	APPROVED BY: COLLEEN HANSEN DATE APPROVED: 02/03/02	REVISED BY: N/A DATE REVISED: XXXXXXXX SCALE: 1:1	CITY STANDARD: 01.02.08a	



CITY OF PUYALLUP DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS	SILTATION FENCE				
	DRAWN BY: LINCOLN LIAN CHECKED BY: CHRIS WELLS FILE NAME: C:\WORK\COMMON\STDCITY\2009\02\01\01.DWG	APPROVED BY: COLLEEN HANSEN DATE APPROVED: 02/03/02	REVISED BY: N/A DATE REVISED: XXXXXXXX SCALE: N/A	CITY STANDARD: 02.03.02	

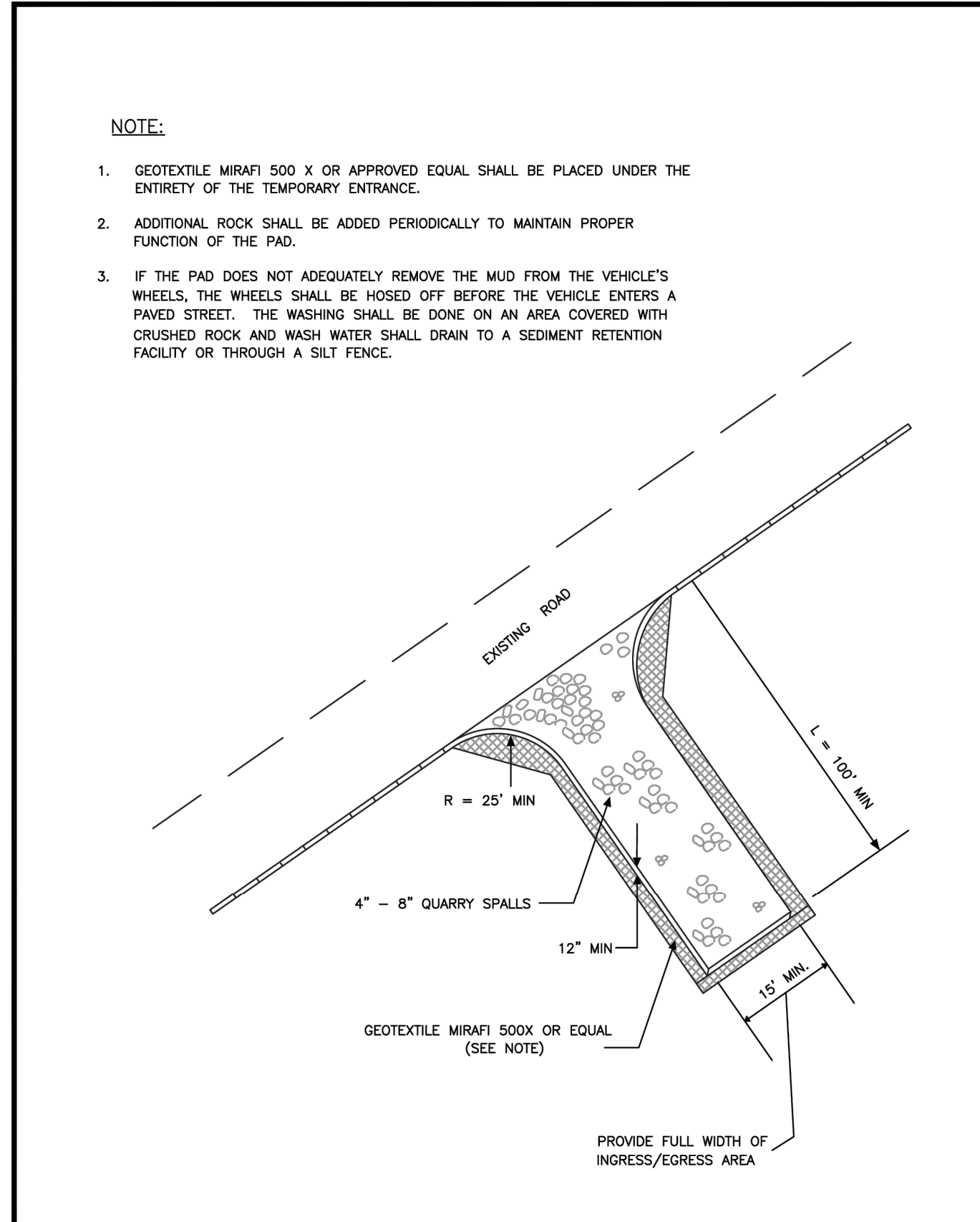
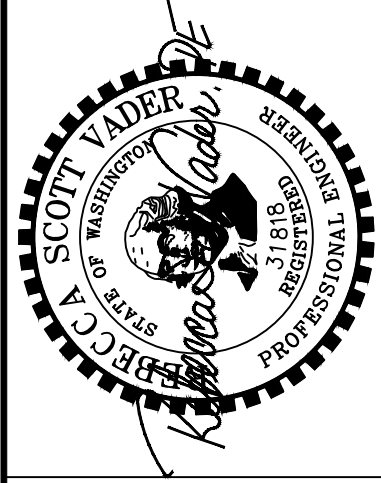
City of Puyallup Development & Permitting Services ISSUED PERMIT			
Building	Planning	Engineering	Public Works
Fire	Traffic		

APPROVED

BY:
CITY OF PUYALLUP
ENGINEERING SERVICES

DATE: 06/04/2025

NOTE: THIS APPROVAL IS VOID AFTER 1 YEAR 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 ENGINEERING SERVICES MANAGER.



CITY OF PUYALLUP DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS	TEMPORARY CONSTRUCTION ENTRANCE				
	DRAWN BY: LINCOLN LIAN CHECKED BY: CHRIS WELLS FILE NAME: C:\WORK\COMMON\STDCITY\2009\05\01\01.DWG	APPROVED BY: COLLEEN HANSEN DATE APPROVED: 05/01/02	REVISED BY: N/A DATE REVISED: XXXXXXXX SCALE: 1/4"	CITY STANDARD: 05.01.01	

- 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.
- 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.
- 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 BE 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.
- 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.
- 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 INCLUSIVE. 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 CITY.
- 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.
- 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.

CITY OF PUYALLUP DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS	GRADING, EROSION, AND SEDIMENTATION CONTROL NOTES				
	DRAWN BY: LINCOLN LIAN CHECKED BY: CHRIS WELLS FILE NAME: C:\WORK\COMMON\STDCITY\2009\05\01\01.DWG	APPROVED BY: COLLEEN HANSEN DATE APPROVED: 05/01/02	REVISED BY: N/A DATE REVISED: XXXXXXXX SCALE: 1/4"	CITY STANDARD: 05.02.01	

VADER ENGINEERING

6817 27TH ST W, #65353
TACOMA, WA 98464
253.363.2855
vader@vaderengineering.com

REVISION	NO.			
PROJECT NO: 2409-6				
SCALE: N/A				
DESIGNED: RSV				
DRAWN: AMS				
SAVED: 5/9/2025				
PLOT DATE: 5/9/2025				

CASCADE CHRISTIAN SCHOOL CAMPUS - ELEMENTARY SCHOOL PORTABLES

CSWPPP NOTES & DETAILS

A PORTION OF THE S 1/2 OF SECTION 26 AND N 1/2 OF SECTION 35, TOWNSHIP 20 NORTH, RANGE 4 EAST, W.M.
PIERCE COUNTY, WASHINGTON (CITY OF PUYALLUP)

GRADING, EROSION AND SEDIMENTATION CONTROL 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.
- 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.
- 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").
- A COPY OF THESE APPROVED PLANS AND APPLICABLE CITY DEVELOPER SPECIFICATIONS AND DETAILS SHALL BE ON SITE DURING CONSTRUCTION.
- ANY REVISIONS MADE TO THESE PLANS MUST BE REVIEWED AND APPROVED BY THE DEVELOPER'S ENGINEER AND THE CITY ENGINEER PRIOR TO ANY IMPLEMENTATION IN THE FIELD. THE CITY SHALL NOT BE RESPONSIBLE FOR ANY ERRORS AND/OR OMISSIONS ON THESE PLANS.
- THE CONTRACTOR SHALL HAVE ALL UTILITIES VERIFIED ON THE GROUND PRIOR TO ANY CONSTRUCTION. CALL (811) AT LEAST TWO WORKING DAYS HOURS IN ADVANCE. THE OWNER AND HIS/HER ENGINEER SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS.
- 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.
- 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 OTHER 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 PERMITTEE.
- 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 PERMITTEE TO ADDRESS ANY NEW CONDITIONS THAT MAY BE 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.
- 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.
- 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 INCLUSIVE. SEEDING MAY PROCEED OUTSIDE THE SPECIFIED TIME PERIOD WHENEVER IT IS IN THE INTEREST OF THE PERMITTEE BUT MUST BE AUGMENTED WITH MULCHING, NETTING, OR OTHER TREATMENT APPROVED BY THE CITY.
- 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.
- 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.

SOIL AMENDMENT NOTES:

CHOOSE 1 OF 3 OPTIONS FOR SOIL AMENDMENT IN ANY AREAS WHERE TOPSOIL REMOVED AND IMPERVIOUS NOT PLACED.

ROOT ZONES WHERE TREES ROOTS LIMIT THE DEPTH OF INCORPORATION OF AMENDMENTS ARE EXEMPTED FROM THIS REQUIREMENT. PROTECT FENCE AND THESE ROOT ZONES FROM STRIPPING OF SOIL, GRADING, OR COMPACTION TO THE MAXIMUM EXTENT PRACTICAL.

SCARIFY SUBSOILS AT LEAST 4 INCHES FOR A FINISHED MAXIMUM DEPTH OF 12 INCHES OF UNCOMPACTED SOIL. INCORPORATE SOME OF THE UPPER MATERIAL TO AVOID STRATIFIED LAYERS WHERE FEASIBLE.

ONCE SOIL IS AMENDED, PROTECT FROM COMPACTION AND EROSION.

OPTION 1: AMEND SOILS WITH ORGANIC COMPOST

USE COMPOST AND OTHER MATERIALS THAT MEET THE FOLLOWING ORGANIC CONTENT REQUIREMENTS:

- FOR PRE-APPROVED AMENDMENT RATES USE THE COMPOST SPECIFICATION FOR BIORETENTION, WITH THE EXCEPTION THAT THE COMPOST MAY HAVE UP TO 35% BIOSOLIDS OR MANURE. THE COMPOST SHALL HAVE ORGANIC MATTER CONTENT OF AT LEAST 40% AND NOT MORE THAN 65%. THE CARBON TO NITROGEN RATIO SHALL BE BELOW 25:1 FOR GENERAL USE AND NO MORE THAN 35:1 FOR PLANTINGS COMPOSED ENTIRELY OF PLANTS NATIVE TO THE PUGET SOUND LOWLANDS REGION.
- CALCULATED AMENDMENT RATES SHALL NOT EXCEED THE CONTAMINANT LIMITS IN TABLE 220-B. TESTING PARAMETERS, WAC 173-350-220. ASSURE THAT THE RESULTING SOIL IS CONDUCIVE TO THE TYPE OF VEGETATION TO BE ESTABLISHED.

1.A. LAWN AREA SHALL BE AMENDED TO 5% ORGANIC CONTENT

PLACE 1.75" COMPOST AND TILL TO AN 8" DEPTH. CHECK TO CONFIRM THE FOLLOWING:

ACHIEVE AN ORGANIC MATTER CONTENT OF 4% MINIMUM AS MEASURED BY THE LOSS-ON-IGNITION TEST (ASTM D2974 OR TMECC 05.07A.)

WATER OR ROLL TO COMPACT OT 85% MAXIMUM DRY DENSITY, RAKE TO SMOOTH, AND REMOVE SURVADE WOODY DEBRIS AND ROCKS LARGER THAN 1" DIAMETER.

1.B. LANDSCAPE AREAS SHALL BE AMENDED TO 10% ORGANIC CONTENT

PLACE 3" COMPOST AND TILL TO AN 8" DEPTH. CHECK TO CONFIRM THE FOLLOWING:

- ACHIEVE AN ORGANIC MATTER CONTENT OF 8% MINIMUM AS MEASURED BY THE LOSS-ON-IGNITION TEST (ASTM D2974 OR TMECC 05.07A.)
- ACHIEVE A PH FROM 6.0 TO 8.0 OR MATCHING THE PH OR THE ORIGINAL UNDISTURBED SOIL.
- ACHIEVE A MINIMUM DEPTH OF 8 INCHES.

AFTER PLANTING, MULCH BEDS WITH 2 TO INCHES OF ORANIC MATERIAL SUCH AS ABROBISTS CHIPS, BARK, SHREDDED LEAVES, COMPOST, ETC. DO NOT USE FINE BARK BECAUSE IT CAN SEAL THE SURFACE.

OPTION 2: SOIL STOCKPILING

REMOVE AND STOCKPILE THE DUFF LAYER AND THE ENTIRE DEPTH OF NATIVE TOPSOIL UP TO A MAX OF 3 FEET. TEMPORARILY STABILIZE ON SITE IN A DESIGNATED, CONTROLLED AREA, NOT ADJACENT TO PUBLIC RESOURCES OR CIRITICAL AREAS.

REAPPLY TO PORTIONS OF THE SITE BROUGHT TO FINAL GRADE. OVER-EXCAVATE CUT SECTIONS IF NECESSARY TO PLACE AT LEAST THE SAME DEPTH OF TOPSOIL THAT WAS ON SITE PRE-DEVELOPMENT, UP TO A MAXIMUM OF 3 FEET.

RIP ANY CEMENTED TILL LAYERS TO A DEPTH OF 6 INCHES IN CUT SECTIONS AND MIX STOCKPILED TOPSOIL THOROUGHLY INTO THE RIPPED TILL TO PROVIDE A GRADUAL TRANSITION BETWEEN TILL AND TOPSOIL.

PLACE TOPSOIL IN LIFTS NOT GREATER THAN 1 FOOT DEEP AND COMPACT TO A DENSITY THAT MATCHES EXISTING CONDITIONS.

OPTION 3: IMPORTING SOIL

LAWN AREAS USE A MIX AT LEAST 20 % BY VOLUME COMPOST WITH REMAINING MINERAL SOIL CONTAINING NO MORE THAN 5% PASSING THE US#200 SIEVE.

LANDSCAPE AREAS USE A MIX AT LEAST 35% BY VOLUME COMPOST WITH MINERAL SOIL CONTAINING NO MORE THAN 5% PASSING THE US#200 SIEVE.

FILL NOTES:

FOR CLEAN FILL ONLY.

IF CONTAMINATION OF SOIL OR GROUNDWATER IS INDICATED OR DISCOVERED DURING PROPOSED WORK, CONDUCT TESTING ON THE MEDIA. IF CONTAMINATION IS CONFIRMED BY SAMPLING, NOTIFY THE DOE ENVIRONMENTAL REPORT TRACKING SYSTEM COORDINATOR AT (360) 407-6300.

BMP C123 PLASTIC COVERING NOTES:

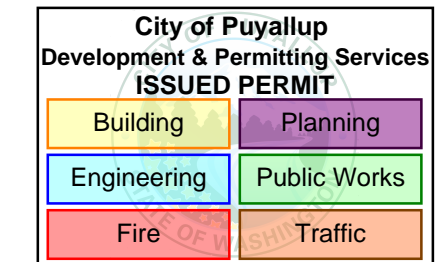
- PLASTIC SHEETING SHALL HAVE A MINIMUM THICKNESS OF 6 MILS AND SHALL MEET THE REQUIREMENTS OF THE STATE STANDARD SPECIFICATIONS SECTION 9-14.5.
- COVERING SHALL BE INSTALLED AND MAINTAINED TIGHTLY IN PLACE BY USING SANDBAGS OR TIRES ON ROPES WITH A MAXIMUM 10-FOOT GRID SPACING IN ALL DIRECTIONS. ALL SEAMS SHALL BE TAPED OR WEIGHTED DOWN FULL LENGTH AND THERE SHALL BE AT LEAST A 12 INCH OVERLAP OF ALL SEAMS.
- CLEAR PLASTIC COVERING SHALL BE INSTALLED IMMEDIATELY ON AREAS SEEDED BETWEEN NOVEMBER 1 AND MARCH 31 AND REMAIN UNTIL VEGETATION IS FIRMLY ESTABLISHED.
- WHEN THE COVERING IS USED ON UN-SEEDED SLOPES, IT SHALL BE KEPT IN PLACE UNTIL THE NEXT SEEDING PERIOD.
- PLASTIC COVERING SHEETS SHALL BE BURIED TWO FEET AT THE TOP OF SLOPES IN ORDER TO PREVENT SURFACE WATER FLOW BENEATH SHEETS.
- PROPER MAINTENANCE INCLUDES REGULAR CHECKS FOR RIPS AND DISLODGED ENDS.
- PLASTIC COVERING MAY BE USED ON DISTURBED AREAS THAT REQUIRE COVER MEASURES FOR LESS THAN 30 DAYS, EXCEPT AS STATED BELOW.
- PLASTIC IS PARTICULARLY USEFUL FOR PROTECTING CUT AND FILL SLOPES AND STOCKPILES. NOTE: THE RELATIVELY RAPID BREAKDOWN OF MOST POLYETHYLENE SHEETING MAKES IT UNSUITABLE FOR LONG-TERM (GREATER THAN 6 MONTHS) APPLICATIONS.
- DUE TO RAPID RUNOFF CAUSED BY PLASTIC COVERING, DO NOT USE THIS METHOD UPSLOPE OF AREAS THAT MIGHT BE ADVERSELY IMPACTED BY CONCENTRATED RUNOFF. SUCH AREAS INCLUDE STEEP AND/OR UNSTABLE SLOPES.
- PLASTIC SHEETING MAY RESULT IN INCREASED RUNOFF VOLUMES AND VELOCITIES, REQUIRING ADDITIONAL ONSITE MEASURES TO COUNTERACT THE INCREASES. CREATING A TROUGH WITH WATTLES OR OTHER MATERIAL CAN CONVEY CLEAN WATER AWAY FROM THESE AREAS.
- WHENEVER PLASTIC IS USED TO PROTECT SLOPES INSTALL WATER COLLECTION MEASURES AT THE BASE OF THE SLOPE. THESE MEASURES INCLUDE PLASTIC-COVERED BERMS, CHANNELS AND PIPES USED TO CONVEY CLEAN RAINWATER AWAY FROM BARE SOIL AND DISTURBED AREAS. DO NOT MIX CLEAN RUNOFF FROM PLASTIC COVERED SLOPE WITH DIRTY RUNOFF FROM A PROJECT.

TEMPORARY EROSION AND SEDIMENTATION CONTROL MAINTENANCE REQUIREMENTS

- EROSION AND SEDIMENTATION CONTROL FACILITIES SHALL BE INSPECTED AFTER EACH STORM EVENT AND DAILY DURING PROLONGED RAINFALL.
- NECESSARY REPAIRS OR REPLACEMENT OF FACILITIES SHALL BE ACCOMPLISHED PROMPTLY.
- SEDIMENT DEPOSITS SHALL BE REMOVED AFTER EACH STORM EVENT OR WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE MAXIMUM POTENTIAL DEPTH.
- SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE ESC FACILITIES ARE NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.
- TEMPORARY EROSION AND SEDIMENTATION CONTROL FACILITIES SHALL BE MAINTAINED BY:

BMP C123 STOCKPILED TOPSOIL NOTES:

- STOCKPILES SHALL BE STABILIZED (WITH PLASTIC COVERING OR OTHER APPROVED DEVICE) DAILY BETWEEN NOVEMBER 1 AND MARCH 31.
- IN ANY SEASON, SEDIMENT LEACHING FROM STOCKPILES MUST BE PREVENTED.
- TOPSOIL SHALL NOT BE PLACED WHILE IN FROZEN OR MUDDY CONDITION, WHEN THE SUBGRADE IS EXCESSIVELY WET, OR WHEN CONDITIONS EXIST THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING OR PROPOSED SODDING OR SEEDING.
- PREVIOUSLY ESTABLISHED GRADES ON THE AREAS TO BE TOPSOILED SHALL BE MAINTAINED ACCORDING TO THE APPROVED PLAN.
- SIDE SLOPES OF THE STOCKPILE SHALL NOT EXCEED 2H: 1V



APPROVED
BY: *[Signature]*
CITY OF PUYALLUP
ENGINEERING SERVICES
DATE: 06/04/2025

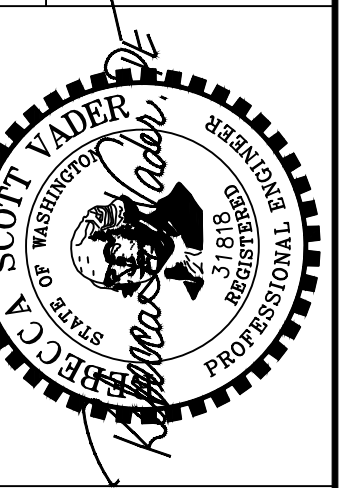
NOTE: THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

BEFORE YOU DIG
CALL
1-800-424-5555
NOT LESS THAN 48 HOURS BEFORE
BEGINNING EXCAVATION (WHICHEVER)
UNDERGROUND UTILITIES MAY BE LOCATED.

CASCADE CHRISTIAN SCHOOL CAMPUS ELEMENTARY SCHOOL PORTABLES

CSWPPP NOTES & DETAILS

SITE ADDRESS:
811 21ST ST SE
PUYALLUP, WA 98372



6817 27TH ST W, #65353
TACOMA, WA 98464
253.363.2065
rvader@vaderengineering.com

REVISION

NO.

PROJECT NO: 2409-6

SCALE: N/A

DESIGNED: RSV

DRAWN: AMS

SAVED: 5/9/2025

PLOT DATE: 5/9/2025

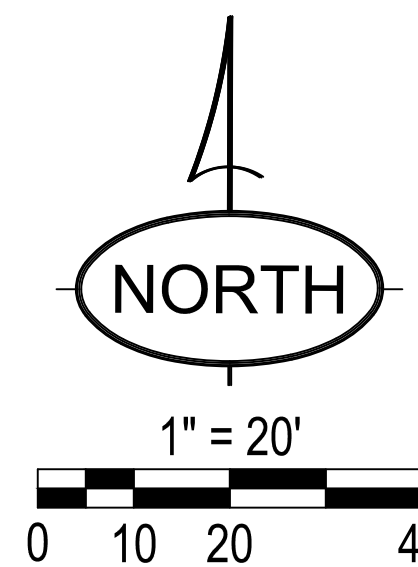
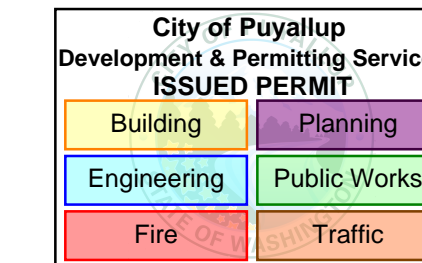
C5

SHEET 5 OF 12

CASCADE CHRISTIAN SCHOOL CAMPUS - ELEMENTARY SCHOOL PORTABLES

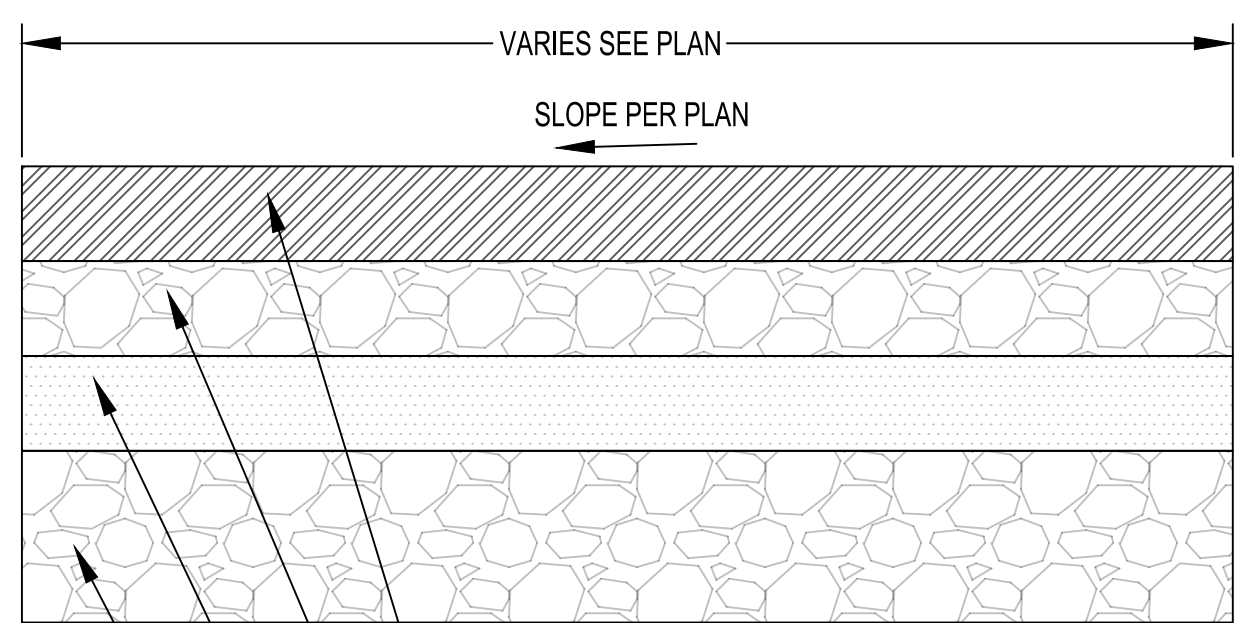
GRADING, DRAINAGE & UTILITIES PLAN - PROJECT WORK AREA 2

A PORTION OF THE S 1/2 OF SECTION 26 AND N 1/2 OF SECTION 35, TOWNSHIP 20 NORTH, RANGE 4 EAST, W.M. PIERCE COUNTY, WASHINGTON (CITY OF PUYALLUP)

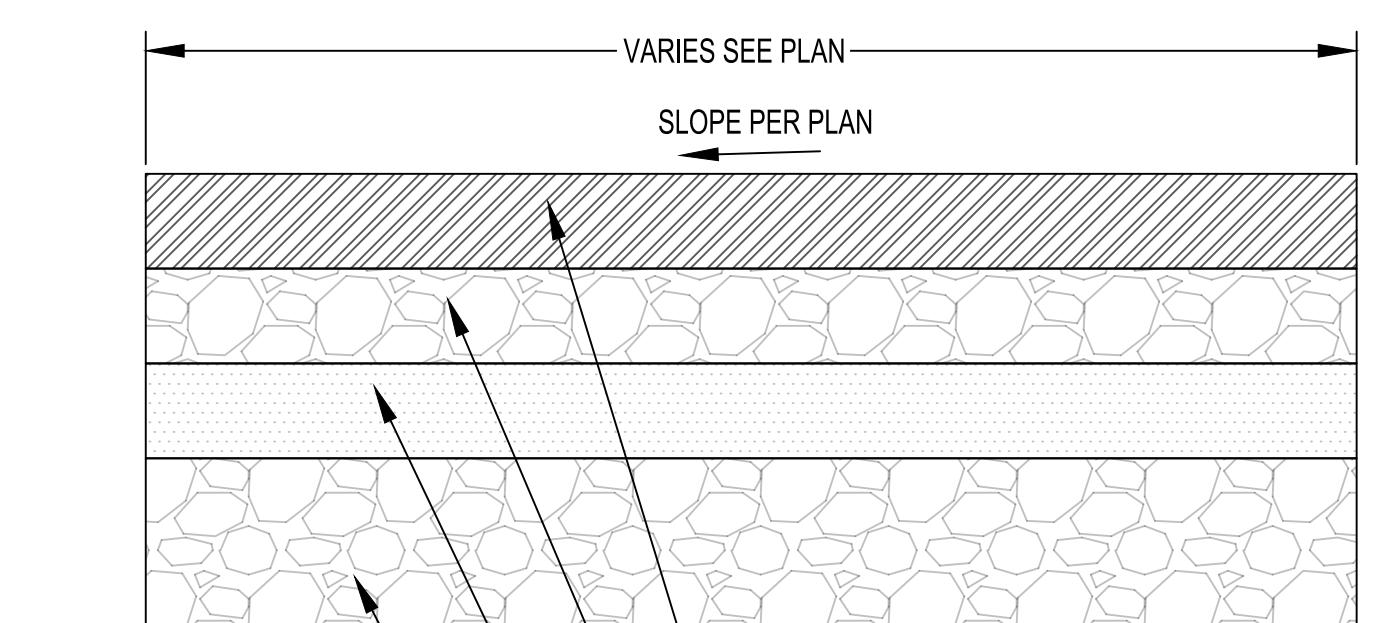


BEFORE YOU DIG
CALL
1-800-424-5555
NOT LESS THAN 48 HOURS BEFORE
BEGINNING EXCAVATION UNLESS ANY
UNDERGROUND UTILITIES MAY BE LOCATED.

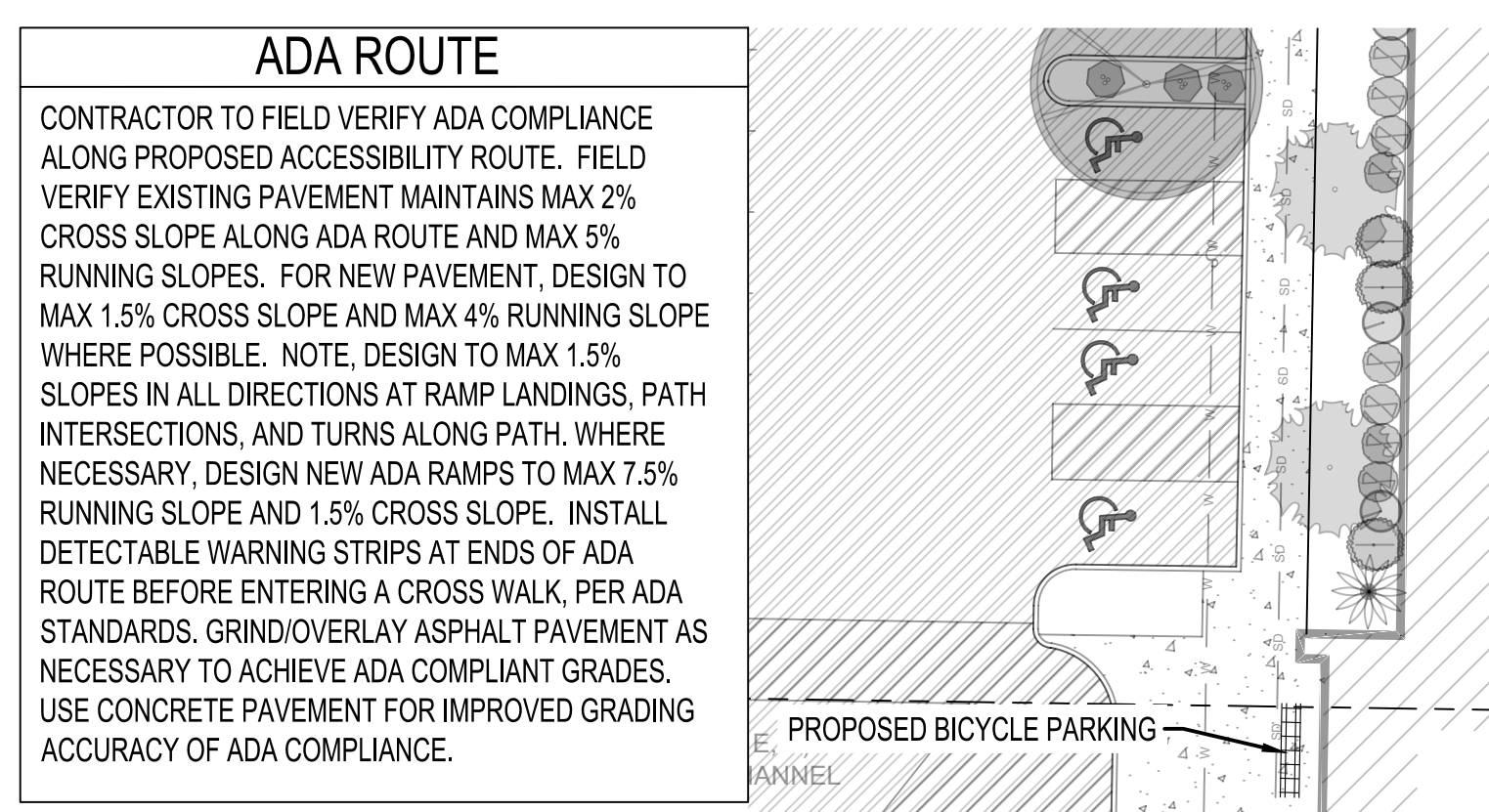
CASCADE CHRISTIAN SCHOOL CAMPUS ELEMENTARY SCHOOL PORTABLES
GRADING, DRAINAGE & UTILITIES PLAN - PROJECT WORK AREA 2
SITE ADDRESS:
811 21ST ST SE
PUYALLUP, WA 98372



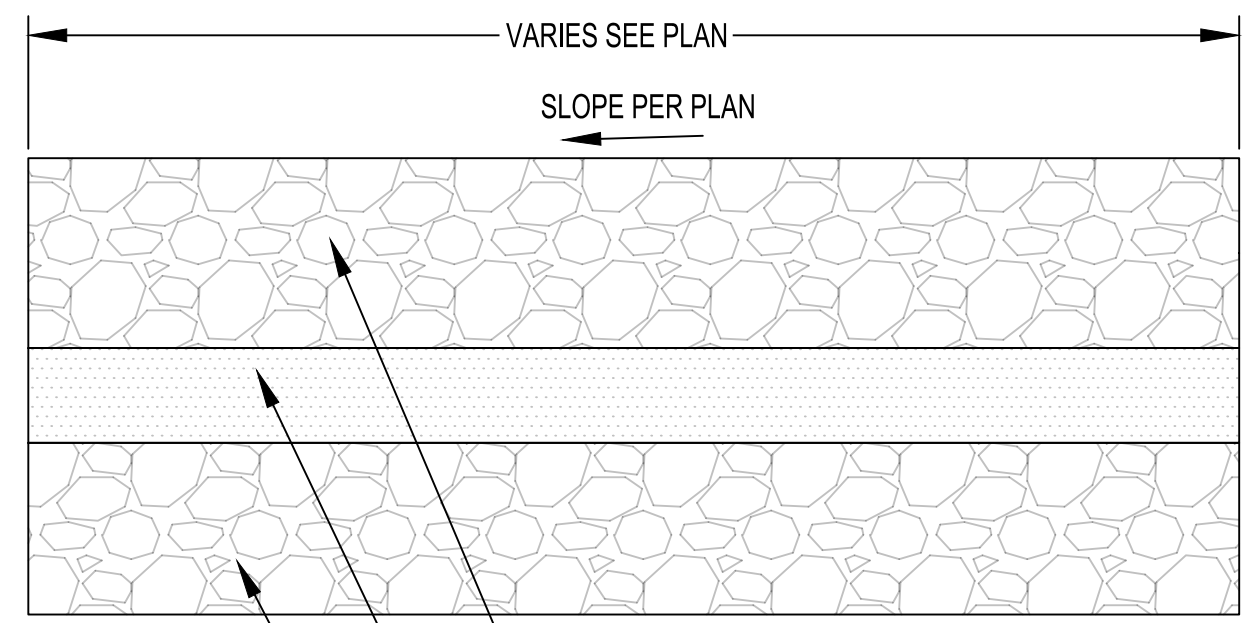
B C7 ASPHALT PAVING PATCH SECTION (TYPICAL)
N.T.S.
VARIES SEE PLAN
SLOPE PER PLAN
DEPTH MAY VARY. MATCH EX. DEPTH WEARING COURSE HMA CLASS B, OR BETTER
GRAVEL TOP COURSE 2" FOR EXISTING COMPACTED GRAVEL PARKING. AFTER CONFIRMING MIN. 4" GRAVEL SUBGRADE IN PLACE, APPLY TACK COAT AND WEARING COURSE ONLY.
BASE: 4" OF CRUSHED SURFACING BASE COURSE
EX. SUBGRADE: EXISTING MINERAL SOIL COMPACTED TO 95% MDD OR STRUCTURAL FILL. OVER EXISTING SUBGRADE - CONTRACTOR TO CONFIRM EXISTING SECTION PLUS OVERLAY WILL PROVIDE SUPPORT EQUIVALENT TO NEW ASPHALT SECTION IN DETAIL B/C7



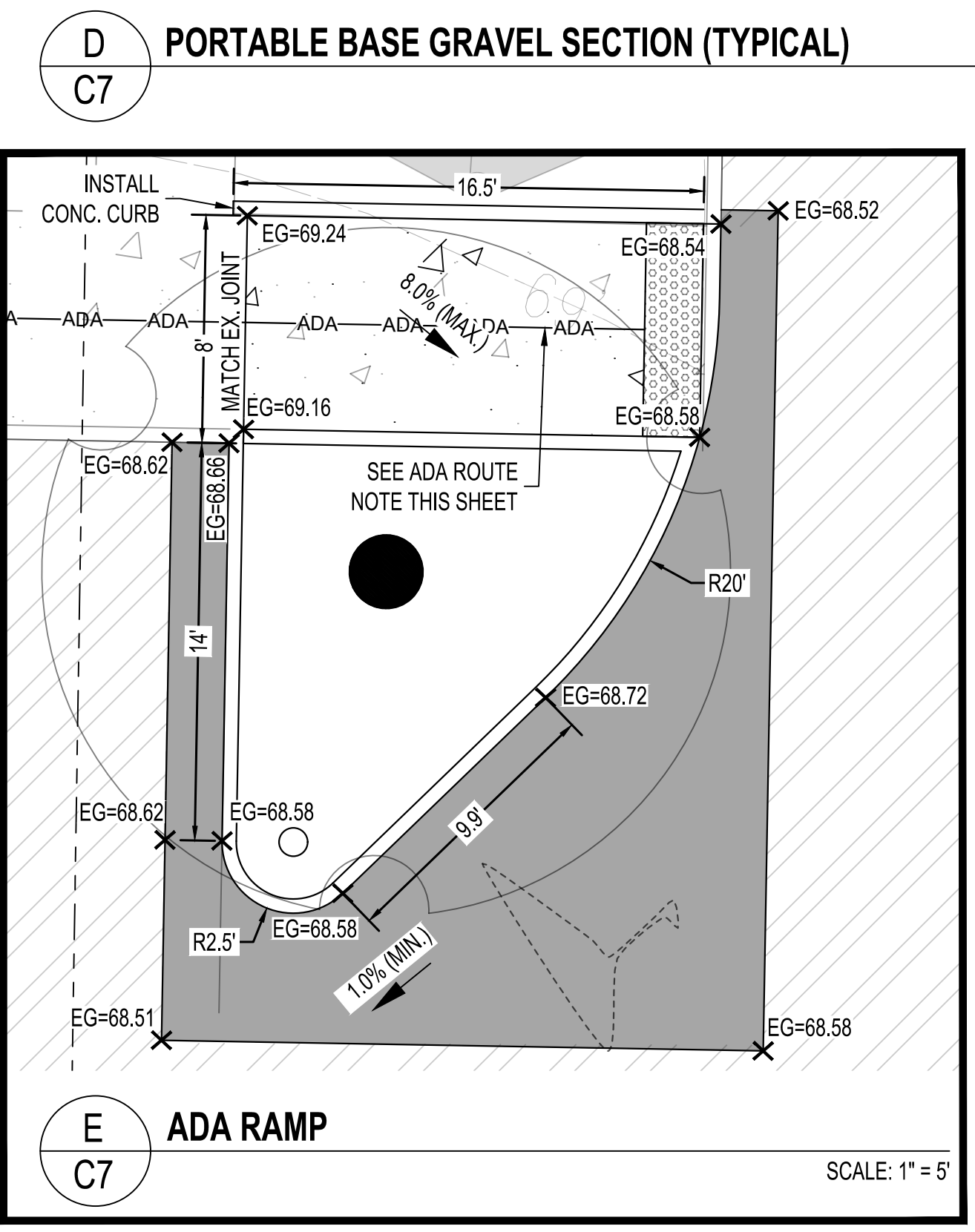
C C7 PORTABLE PLAZA & WALK SECTION (TYPICAL)
N.T.S.
VARIES SEE PLAN
SLOPE PER PLAN
WEARING COURSE HMA CLASS B, OR BETTER
CRUSHED SURFACING TOP COURSE 4"
STRUCTURAL FILL COMPACTED IN LIFTS TO 95% MDD AND 2500 LSF MIN.
REMOVE ORGANIC SOILS BELOW STRUCTURAL FILL



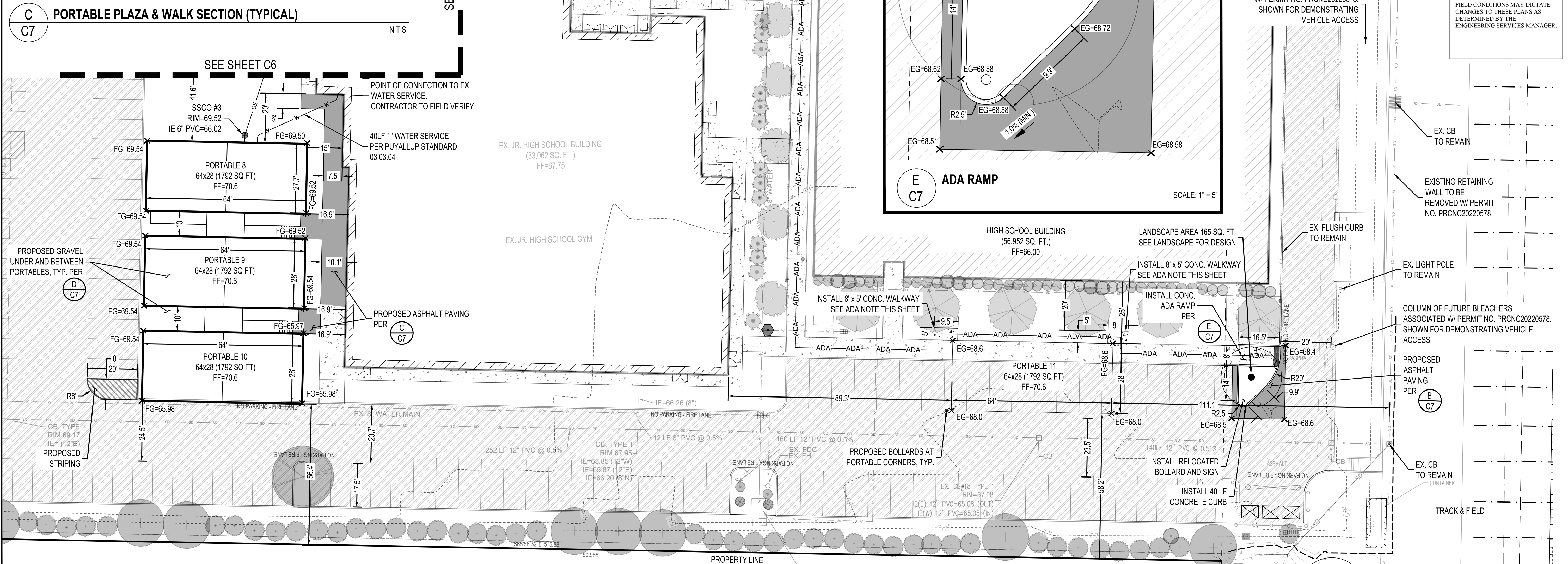
ADA ROUTE
CONTRACTOR TO FIELD VERIFY ADA COMPLIANCE ALONG PROPOSED ACCESSIBILITY ROUTE. FIELD VERIFY EXISTING PAVEMENT MAINTAINS MAX 2% CROSS SLOPE ALONG ADA ROUTE AND MAX 5% RUNNING SLOPES. FOR NEW PAVEMENT, DESIGN TO MAX 1.5% CROSS SLOPE AND MAX 4% RUNNING SLOPE WHERE POSSIBLE. NOTE, DESIGN TO MAX 1.5% SLOPES IN ALL DIRECTIONS AT RAMP LANDINGS, PATH INTERSECTIONS, AND TURNS ALONG PATH. WHERE NECESSARY, DESIGN NEW ADA RAMP TO MAX 7.5% RUNNING SLOPE AND 1.5% CROSS SLOPE. INSTALL DETECTABLE WARNING STRIPS AT ENDS OF ADA ROUTE BEFORE ENTERING A CROSS WALK, PER ADA STANDARDS. GRIND/OVERLAY ASPHALT PAVEMENT AS NECESSARY TO ACHIEVE ADA COMPLIANT GRADES. USE CONCRETE PAVEMENT FOR IMPROVED GRADING ACCURACY OF ADA COMPLIANCE.



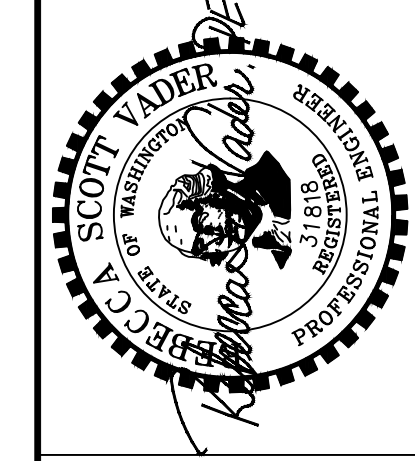
D C7 PORTABLE BASE GRAVEL SECTION (TYPICAL)
N.T.S.
VARIES SEE PLAN
SLOPE PER PLAN
BASE: 4" CRUSHED SURFACING BASE COURSE
STRUCTURAL FILL COMPACTED IN LIFTS TO 92% MDD AND 2500 LSF MIN.
REMOVE ORGANIC SOILS BELOW STRUCTURAL FILL



E C7 ADA RAMP
SCALE: 1" = 5'



06/04/2025
APPROVED
BY: [Signature]
CITY OF PUYALLUP
ENGINEERING SERVICES
DATE:
NOTE: THIS APPROVAL IS VOID AFTER 1 YEAR 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 ENGINEERING SERVICES MANAGER.



VADER ENGINEERING
6817 27TH ST W, #65353
TACOMA, WA 98164
253.363.2085
vader@vaderengineering.com

NO.	REVISION

PROJECT NO: 2409-6
SCALE: 1" = 20'
DESIGNED: RSV
DRAWN: BDS
SAVED: 5/9/2025
PLOT DATE: 5/9/2025

CASCADE CHRISTIAN SCHOOL CAMPUS - ELEMENTARY SCHOOL PORTABLES

NOTES & DETAILS

A PORTION OF THE S 1/2 OF SECTION 26 AND N 1/2 OF SECTION 35, TOWNSHIP 20 NORTH, RANGE 4 EAST, W.M.
PIERCE COUNTY, WASHINGTON (CITY OF PUYALLUP)

STORMWATER NOTES:

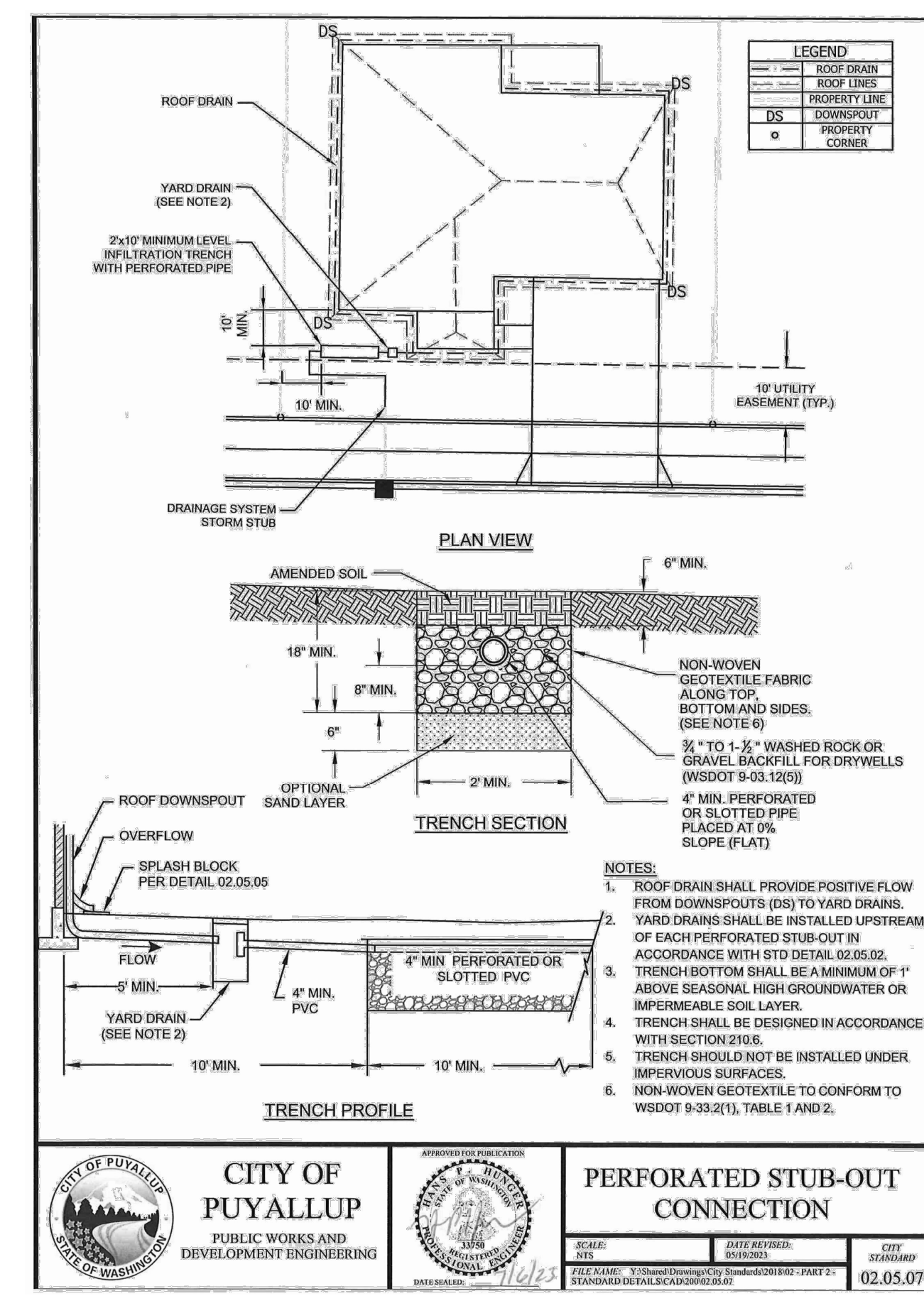
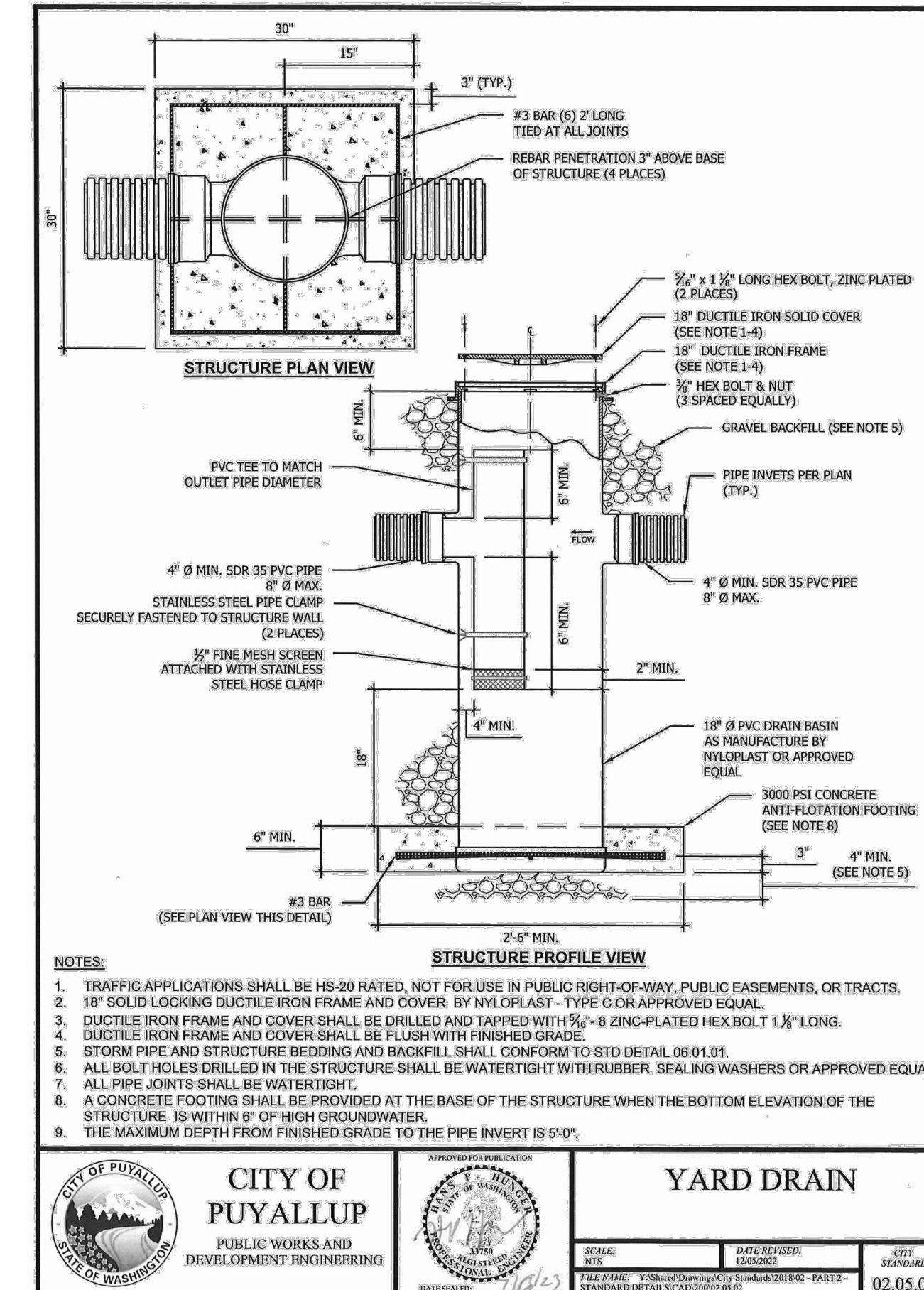
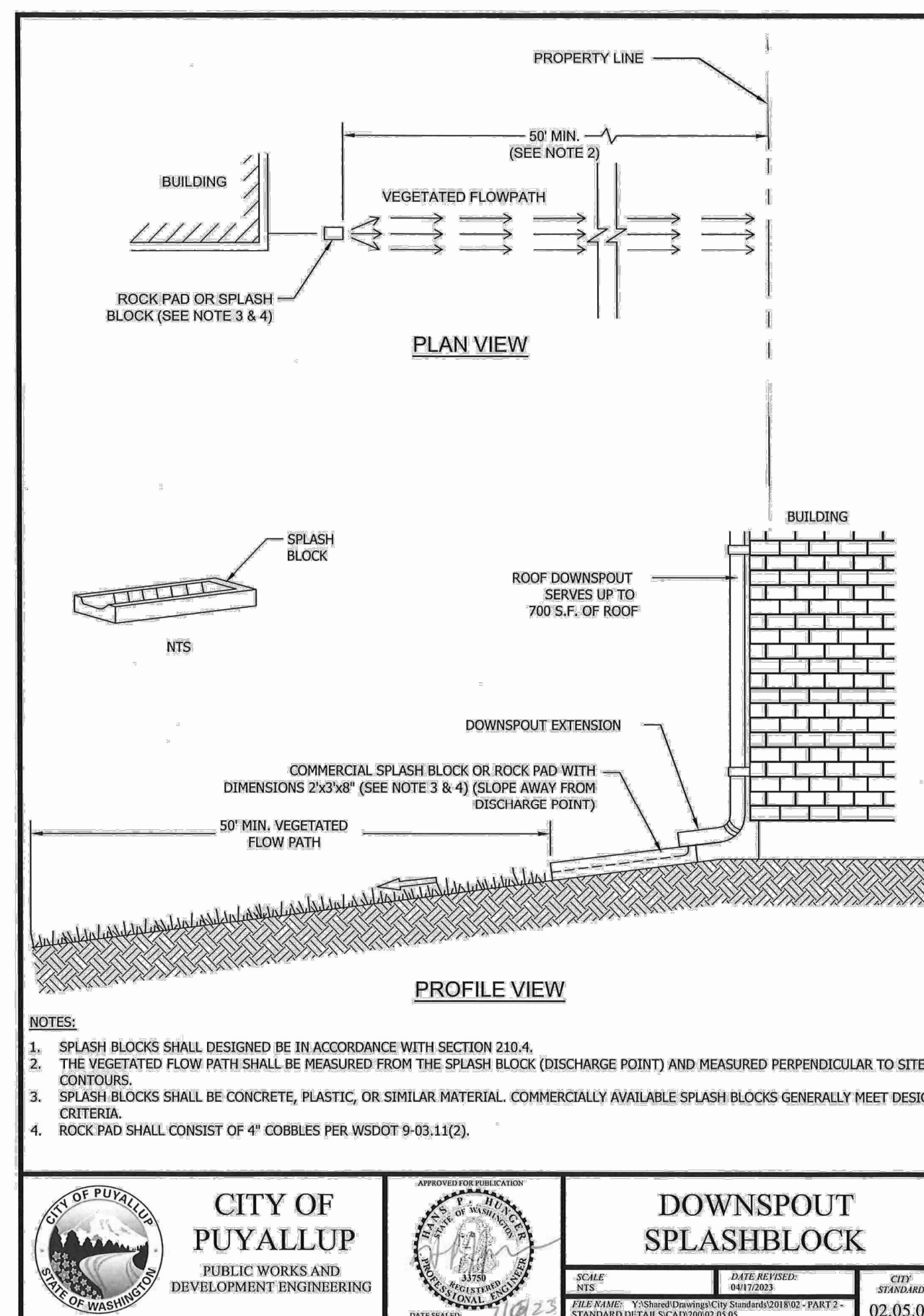
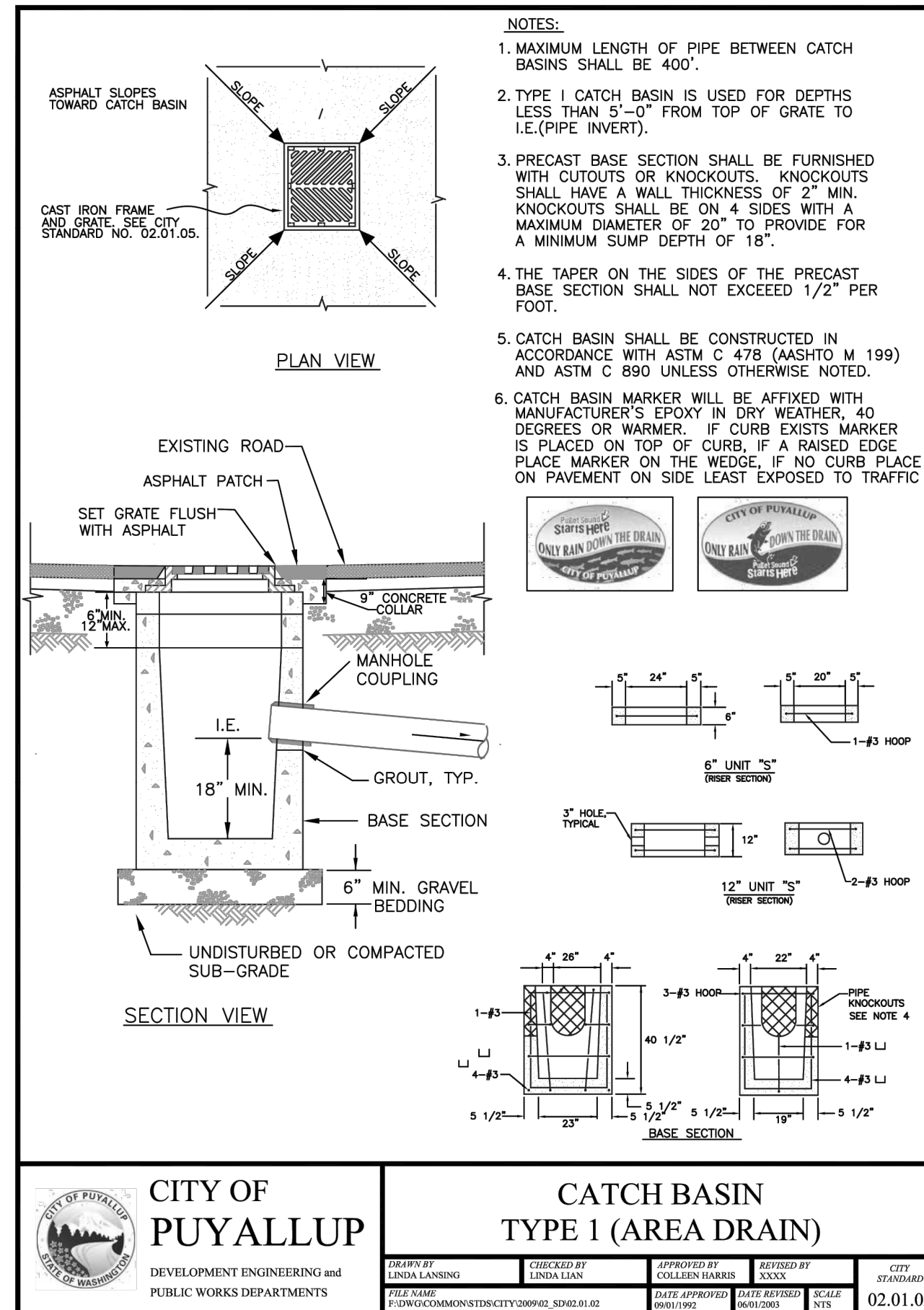
- ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE CITY OF PUYALLUP. PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE ENGINEERING PLANS, REPRESENTATIVES 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.
- 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.
- 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").
- A COPY OF THESE APPROVED PLANS AND APPLICABLE CITY DEVELOPER SPECIFICATIONS AND DETAILS SHALL BE ON SITE DURING CONSTRUCTION.
- 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.
- 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.
- ANY STRUCTURE AND/OR OBSTRUCTION WHICH REQUIRE REMOVAL OR RELOCATION RELATING TO THIS PROJECT, SHALL BE DONE SO AT THE DEVELOPER'S EXPENSE.
- DURING CONSTRUCTION, ALL EXISTING AND NEWLY INSTALLED DRAINAGE STRUCTURES SHALL BE PROTECTED FROM SEDIMENTS.
- ALL STORM MANHOLES SHALL CONFORM TO CITY STANDARD DETAIL NO. 02.01.01. FLOW CONTROL MANHOLE/OIL WATER SEPARATOR SHALL CONFORM TO CITY STANDARD DETAIL NO. 02.01.06 AND 02.01.07.
- MANHOLE RING AND COVER SHALL CONFORM TO CITY STANDARD DETAIL 06.01.02.
- 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.
- 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.
- 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).
- STORMWATER PIPE SHALL BE ONLY PVC, CONCRETE, DUCTILE IRON, OR DUAL WALLED POLYPROPYLENE PIPE.
- THE USE OF ANY OTHER TYPE SHALL BE REVIEWED AND APPROVED BY THE ENGINEERING SERVICES STAFF PRIOR TO INSTALLATION.
- 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.
- 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.
- DUCTILE IRON PIPE SHALL BE CLASS 50, CONFORMING TO AWWA C151. MINIMUM COVER ON DUCTILE IRON PIPE SHALL BE 1.0 FOOT.
- POLYPROPYLENE PIPE (PP) SHALL BE DUAL WALLED, HAVE A SMOOTH INTERIOR AND EXTERIOR CORRUGATIONS AND MEET WSDOT 9-05.24(1), 12-INCH THROUGH 30-INCH PIPE SHALL MEET OR EXCEED ASTM F2736 AND AASHTO M330, TYPE S, OR TYPE D. 36-INCH THROUGH 60-INCH PIPE SHALL MEET OR EXCEED ASTM F2881 AND AASHTO M330, TYPE S, OR TYPE D. TESTING SHALL BE PER ASTM F1417. MINIMUM COVER OVER POLYPROPYLENE PIPE SHALL BE 3-FEET.
- TRENCHING, BEDDING, AND BACKFILL FOR PIPE SHALL CONFORM TO CITY STANDARD DETAIL NO. 06.01.01.
- STORM PIPE SHALL BE A MINIMUM OF 10 FEET AWAY FROM BUILDING FOUNDATIONS AND/OR ROOF LINES.
- 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.
- 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.

GENERAL 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 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 OF APPROVED PLANS AT THE MEETING.
- 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.
- 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").
- A COPY OF THESE APPROVED PLANS AND APPLICABLE CITY DEVELOPER SPECIFICATIONS AND DETAILS SHALL BE ON SITE DURING CONSTRUCTION.
- 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.
- 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.
- ANY STRUCTURE AND/OR OBSTRUCTION THAT REQUIRES REMOVAL OR RELOCATION RELATING TO THIS PROJECT SHALL BE DONE SO AT THE DEVELOPER'S EXPENSE.
- 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.
- THE CONTRACTOR SHALL INSTALL, REPLACE, OR RELOCATE ALL SIGNS, AS SHOWN ON THE PLANS OR AS AFFECTED BY CONSTRUCTION, PER CITY STANDARDS.
- 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 FEET.
- 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.
- 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.
- CERTIFIED RECORD DRAWINGS ARE REQUIRED PRIOR TO PROJECT ACCEPTANCE.
- 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.
- 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.

STORM DETENTION POND NOTES:

- VERIFY POND DEPTH, LENGTH, WIDTH, SLOPES, AND VEGETATED SURFACING, INLET(S) AND OUTLET(S) CONTINUE TO MEET DESIGN. NOTIFY ENGINEER FOR MAINTENANCE & RESTORATION PLAN IF DEFICIENCIES FOUND. REFER TO THE DETENTION POND CALCULATIONS ATTACHED IN PROJECT DRAINAGE REPORT APPENDIX.



City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

APPROVED
BY: [Signature]
CITY OF PUYALLUP
ENGINEERING SERVICES
DATE: 06/04/2025

NOTE: THIS APPROVAL IS VOID AFTER 1 YEAR 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 ENGINEERING SERVICES MANAGER.

BEFORE YOU DIG
CALL
1-800-424-5555

NOT LESS THAN 48 HOURS BEFORE
BEGINNING EXCAVATION UNLESS ANY
UNDERGROUND UTILITIES MAY BE LOCATED.

CASCADE CHRISTIAN SCHOOL CAMPUS ELEMENTARY SCHOOL PORTABLES

NOTES & DETAILS

SITE ADDRESS:
811 21ST ST SE
PUYALLUP, WA 98372

VADER ENGINEERING

8817 27TH ST W, #55353
TACOMA, WA 98464
253.363.2885
vader@vaderengineering.com

NO.	REVISION

PROJECT NO: 2409-6
SCALE: N/A
DESIGNED: RSV
DRAWN: AMS
SAVED: 5/9/2025
PLOT DATE: 5/9/2025

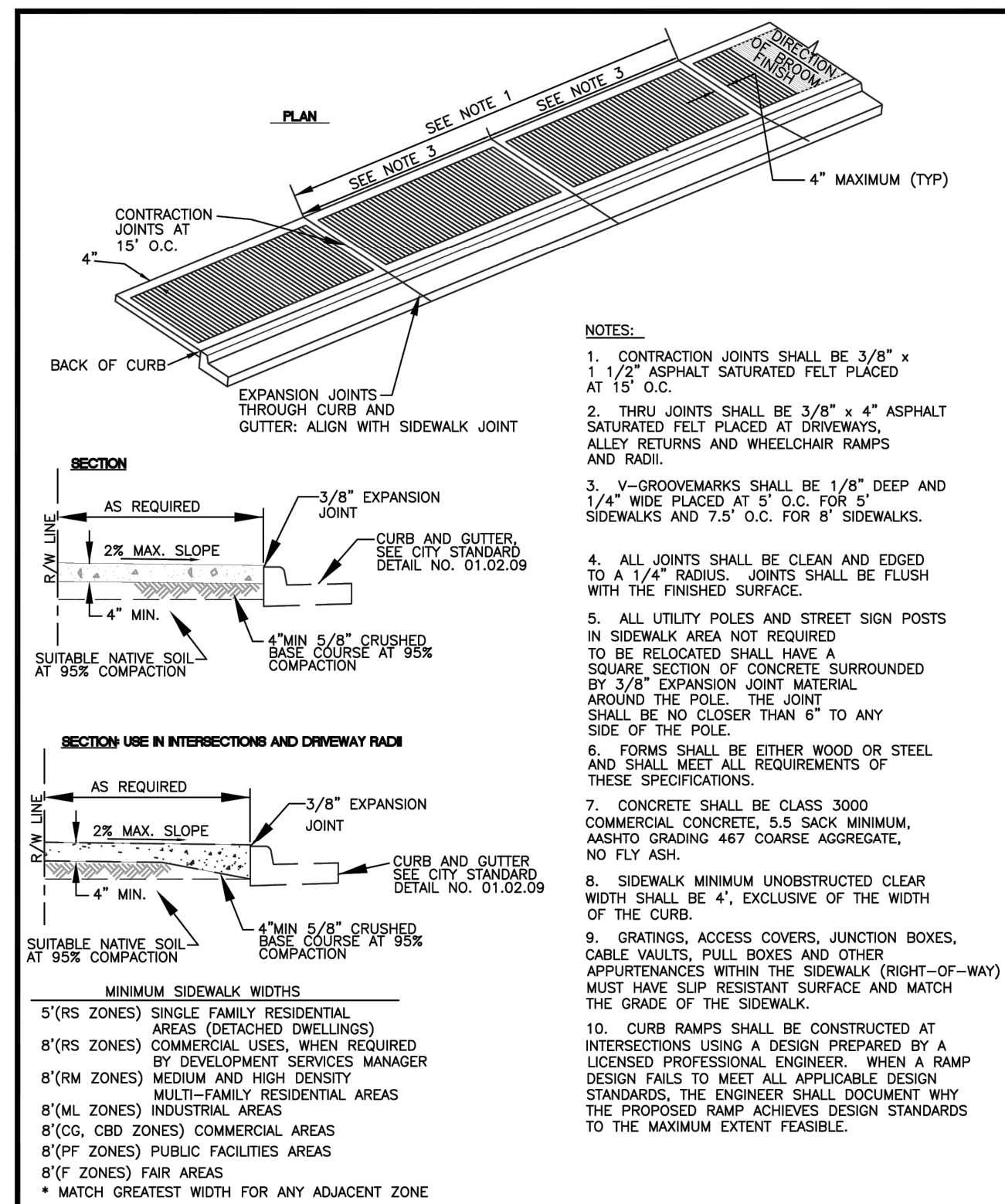
C8

SHEET 8 OF 11

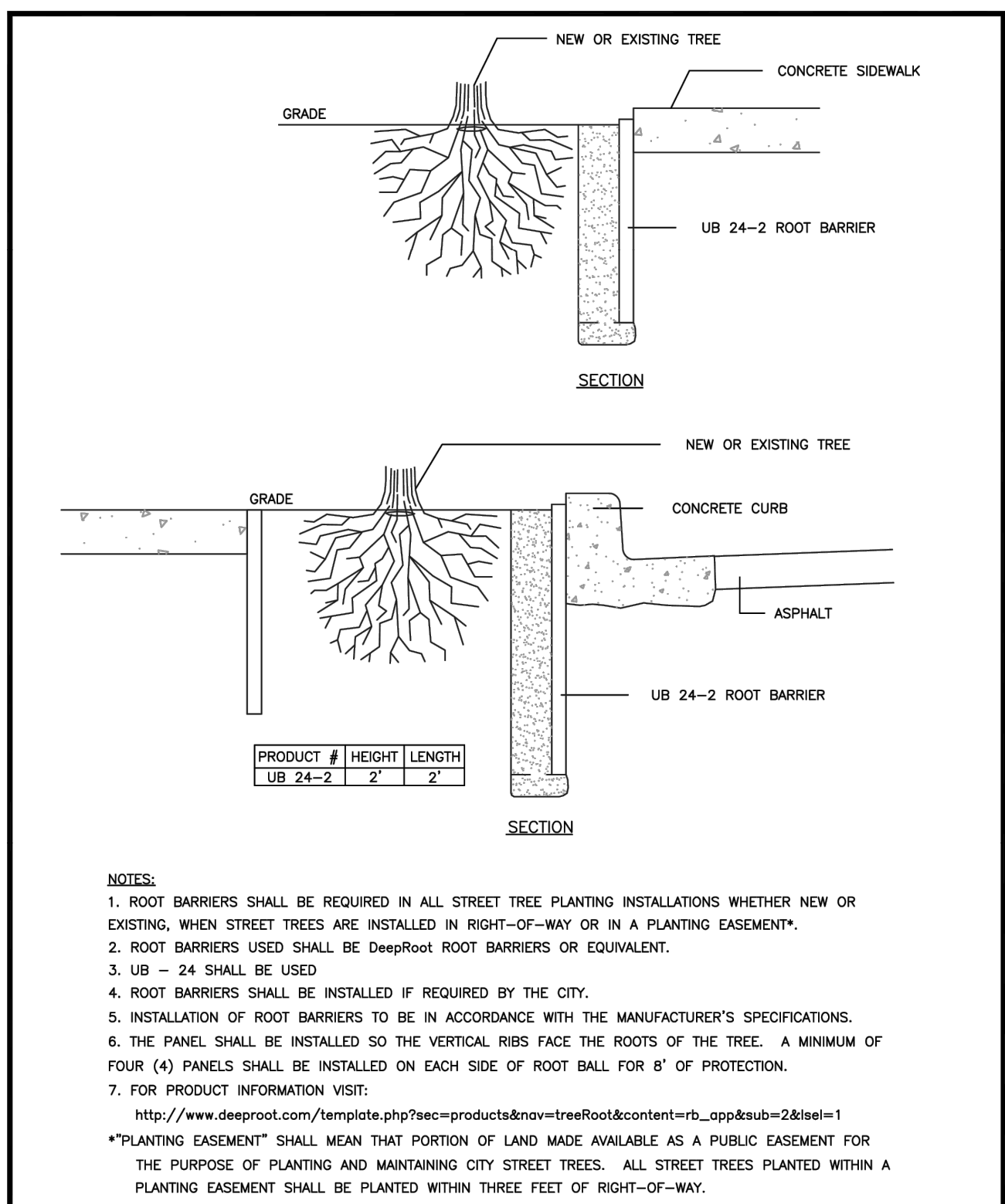
CASCADE CHRISTIAN SCHOOL CAMPUS - ELEMENTARY SCHOOL PORTABLES

NOTES & DETAILS (2)

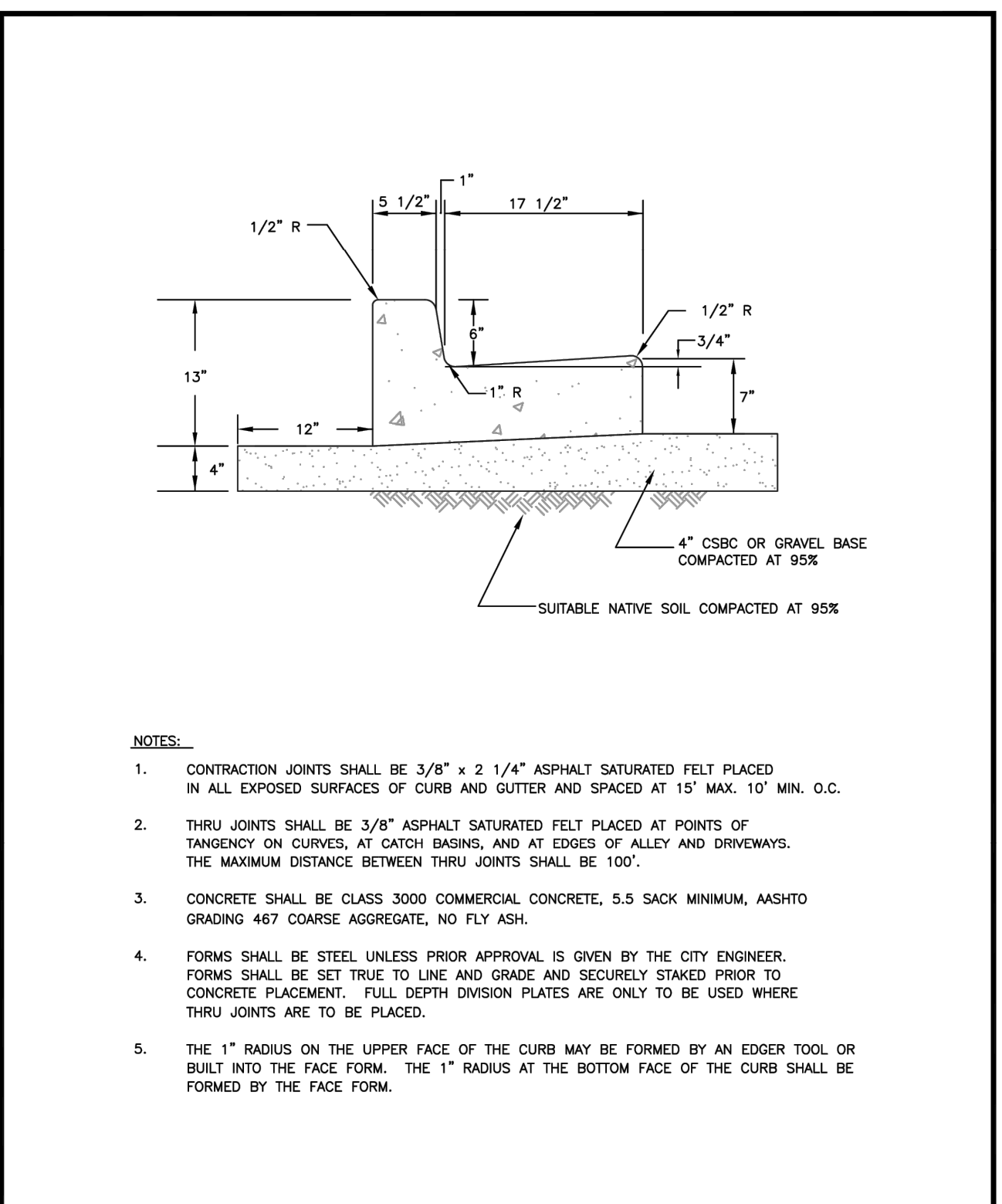
A PORTION OF THE S 1/2 OF SECTION 26 AND N 1/2 OF SECTION 35, TOWNSHIP 20 NORTH, RANGE 4 EAST, W.M. PIERCE COUNTY, WASHINGTON (CITY OF PUYALLUP)



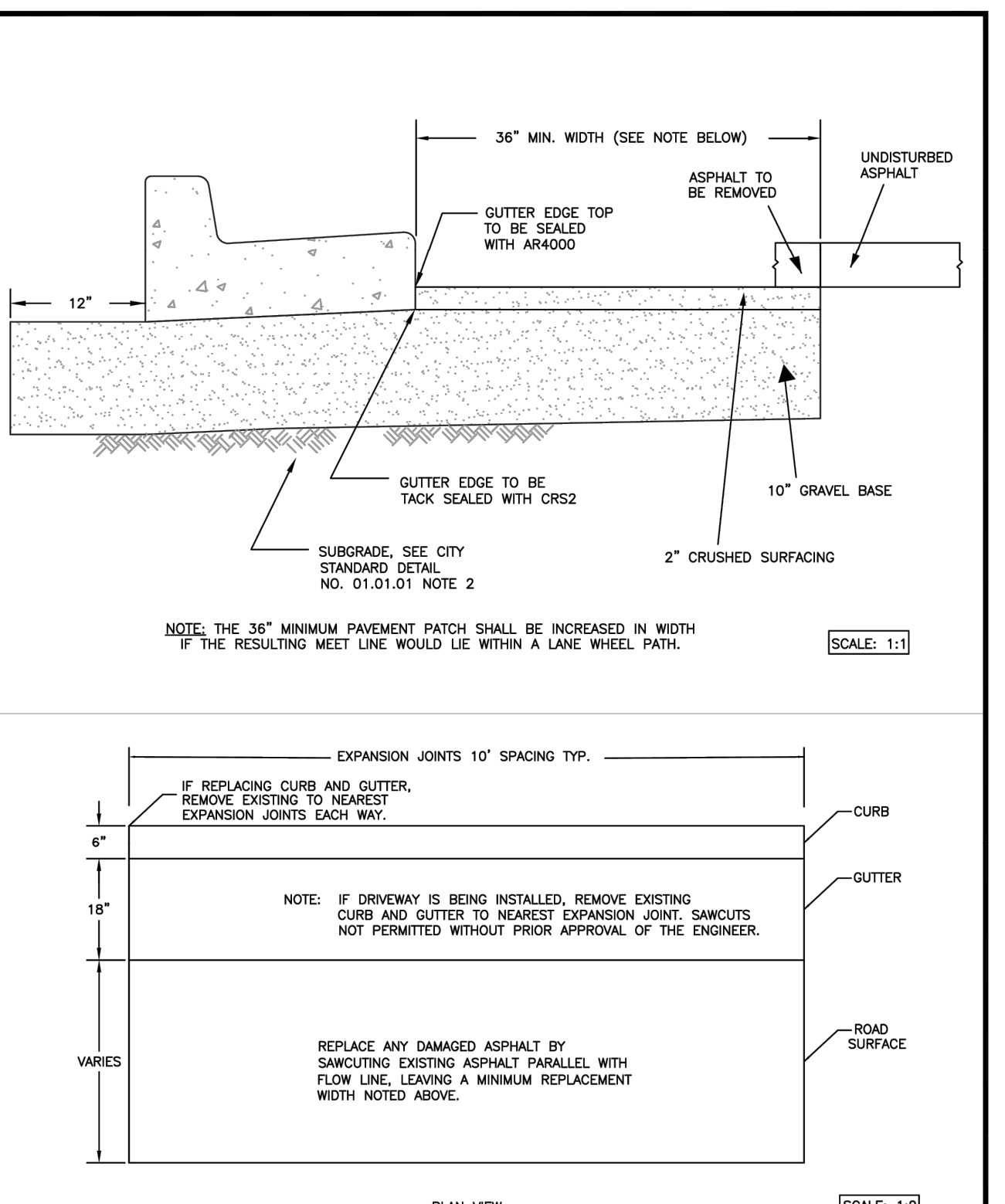
CITY OF PUYALLUP DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS	SIDEWALK WITHOUT PLANTING STRIP			
	DESIGNED BY TIM EPPEN-SVOROKLA LINDA LIAN	CHECKED BY COLLEEN HARRIS LINDA LIAN	DATE APPROVED 05/06/2025	CITY STANDARD 01.02.01



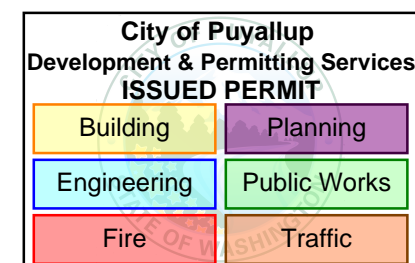
CITY OF PUYALLUP DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS	ROOT BARRIER DETAIL			
	DESIGNED BY TIM EPPEN-SVOROKLA LINDA LIAN	CHECKED BY COLLEEN HARRIS LINDA LIAN	DATE APPROVED 05/06/2025	CITY STANDARD 01.02.03



CITY OF PUYALLUP DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS	CURB AND GUTTER			
	DESIGNED BY TIM EPPEN-SVOROKLA LINDA LIAN	CHECKED BY COLLEEN HARRIS LINDA LIAN	DATE APPROVED 05/06/2025	CITY STANDARD 01.02.09



CITY OF PUYALLUP DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS	CURB CUT			
	DESIGNED BY TIM EPPEN-SVOROKLA LINDA LIAN	CHECKED BY COLLEEN HARRIS LINDA LIAN	DATE APPROVED 05/06/2025	CITY STANDARD 01.02.10



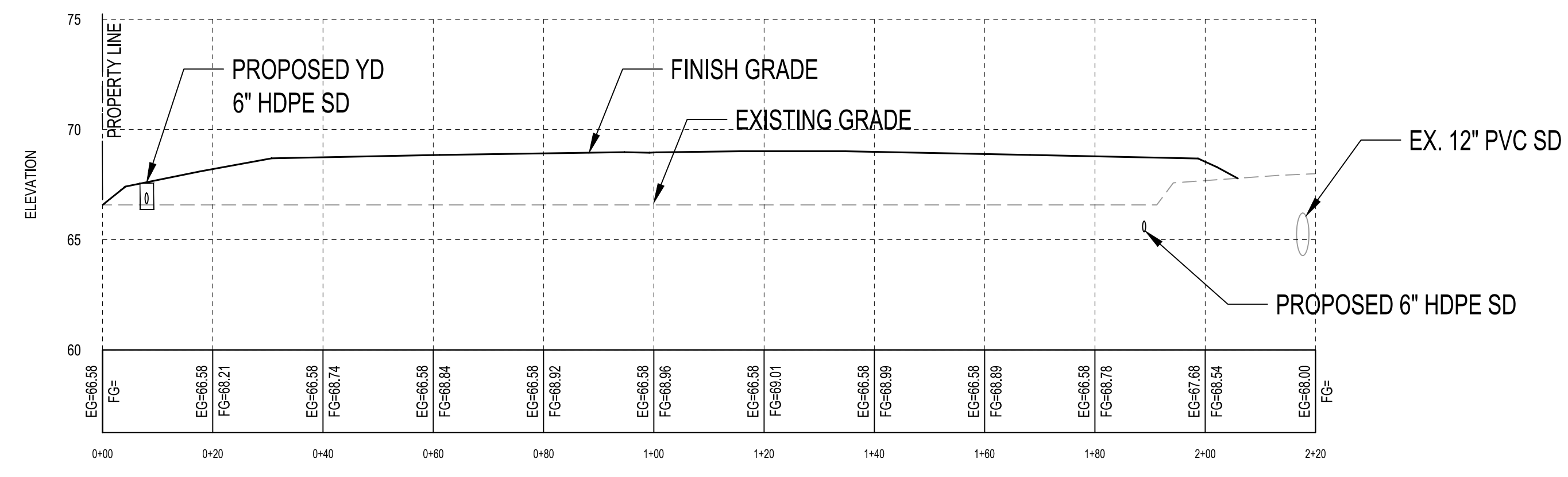
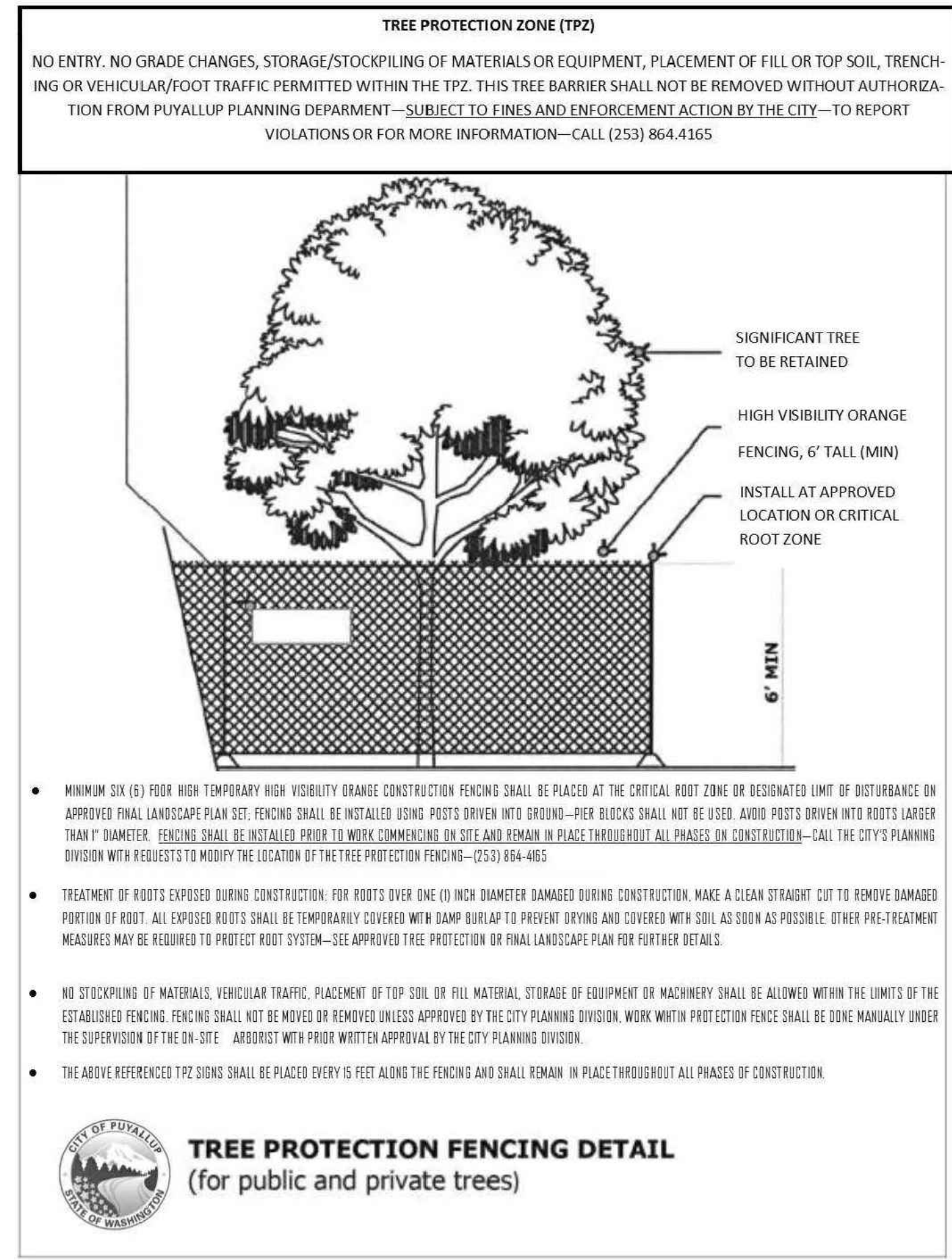
APPROVED

BY: *[Signature]*

CITY OF PUYALLUP
ENGINEERING SERVICES

DATE: 06/04/2025

NOTE: THIS APPROVAL IS VOID AFTER 1 YEAR 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 ENGINEERING SERVICES MANAGER.



E C9 FILL SECTION

BEFORE YOU DIG CALL 1-800-424-5555

NOT LESS THAN 48 HOURS BEFORE BEGINNING EXCAVATION WORK ANY UNDERGROUND UTILITIES MAY BE LOCATED.

CASCADE CHRISTIAN SCHOOL CAMPUS ELEMENTARY SCHOOL PORTABLES

NOTES & DETAILS (2)

SITE ADDRESS: 811 21ST ST SE PUYALLUP, WA 98372

VADER ENGINEERING

6817 27TH ST W, #65353 TACOMA, WA 98464 253.363.2055 vader@vaderengineering.com

NO.	REVISION

PROJECT NO: 2409-6

SCALE: N/A

DESIGNED: RSV

DRAWN: AMS

SAVED: 5/9/2025

PLOT DATE: 5/9/2025

C9

SHEET 9 OF 12

CASCADE CHRISTIAN SCHOOL CAMPUS - ELEMENTARY SCHOOL PORTABLES

NOTES & DETAILS (3)

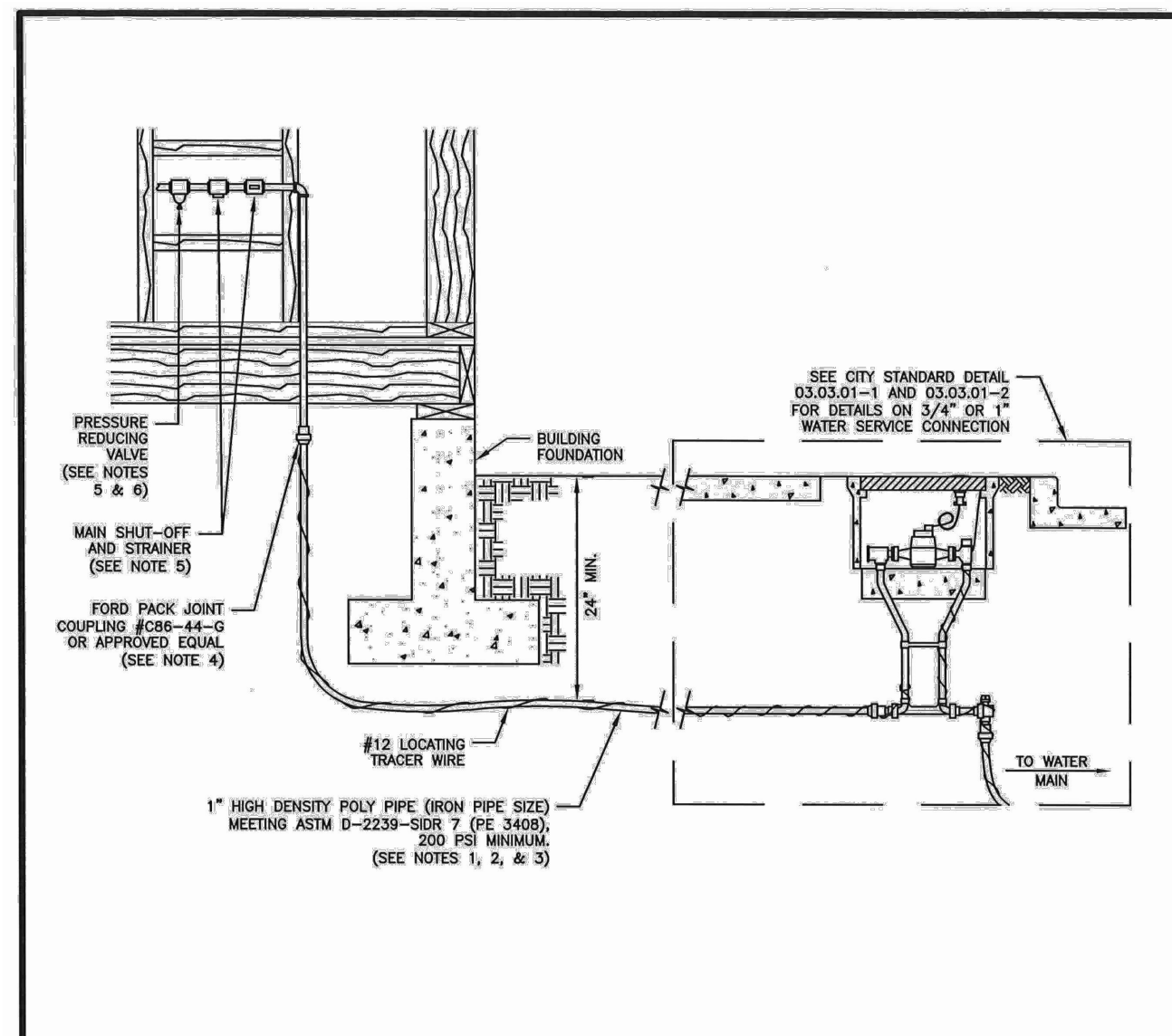
A PORTION OF THE S 1/2 OF SECTION 26 AND N 1/2 OF SECTION 35, TOWNSHIP 20 NORTH, RANGE 4 EAST, W.M. PIERCE COUNTY, WASHINGTON (CITY OF PUYALLUP)

BEFORE YOU DIG
CALL
1-800-424-5555
NOT LESS THAN 48 HOURS BEFORE
BEGINNING EXCAVATION UNLESS ANY
UNDERGROUND UTILITIES MAY BE LOCATED.

CASCADE CHRISTIAN SCHOOL CAMPUS ELEMENTARY SCHOOL PORTABLES

NOTES & DETAILS (3)

SITE ADDRESS:
811 21ST ST SE
PUYALLUP, WA 98372

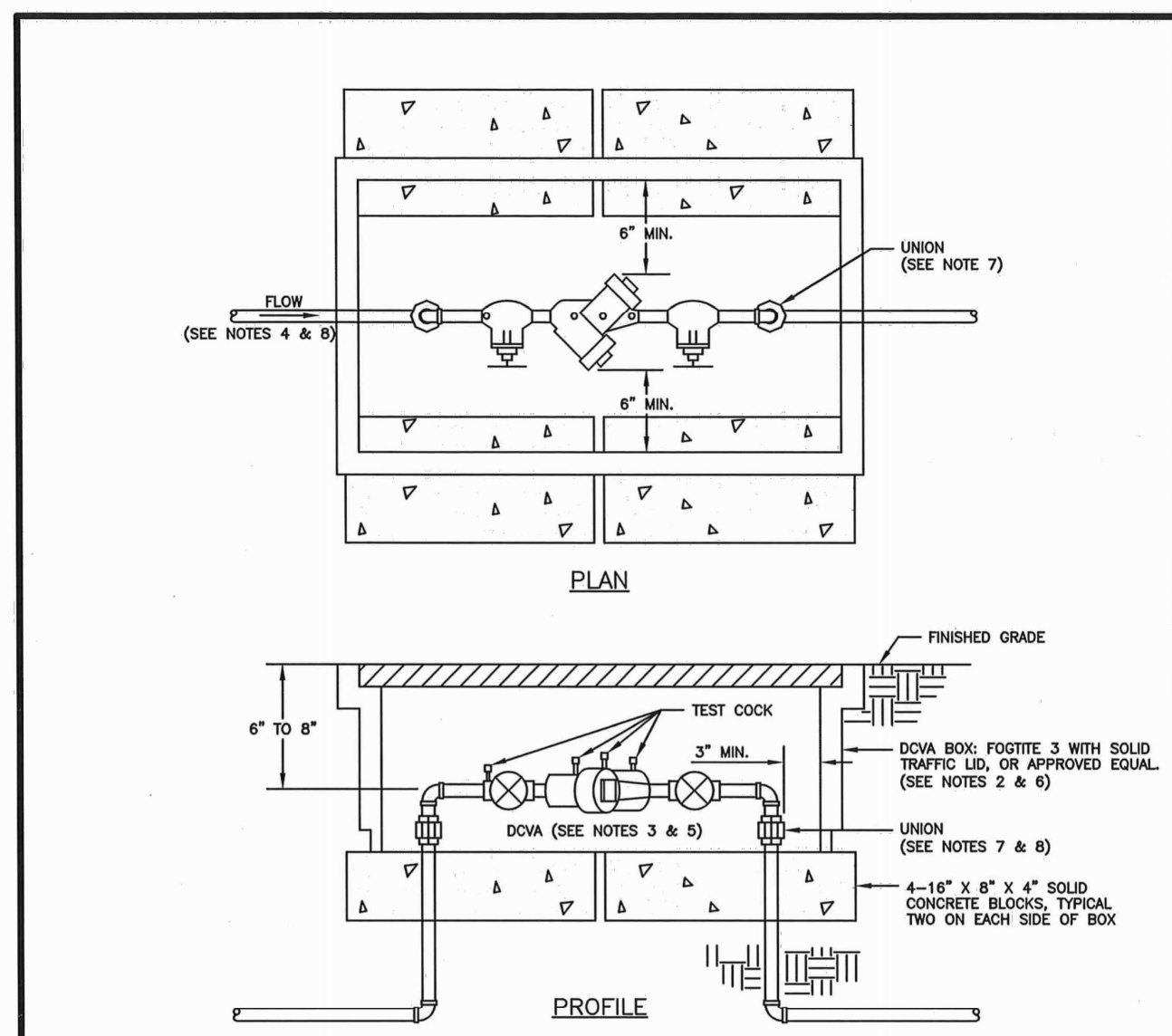


- NOTES**
- SERVICE LINE MAY BE 200 PSI POLY PIPE IN UNCONTAMINATED SOILS. IN SOILS THAT MAY CONTAIN HYDROCARBONS USE 1" x 1/2" COPPER PIPE.
 - PIPE TO BE BEDDED WITH MATERIAL FREE OF ROCKS.
 - POLY PIPE SHOULD BE PLACED IN THE TRENCH IN A SNAKELIKE FASHION (NOT STRAIGHT WITHOUT SLACK). THIS WILL ACCOMMODATE GROUND MOVEMENT AND KEEP PRESSURE OFF THE FITTINGS.
 - PLASTIC WATER SERVICE PIPING MAY TERMINATE WITHIN A BUILDING, PROVIDED THE CONNECTION TO THE POTABLE WATER DISTRIBUTION SYSTEM SHALL BE ACCESSIBLE. SEE THE CURRENT UNIFORM PLUMBING CODE FOR MORE INFORMATION.
 - THE MAIN SHUT-OFF VALVE, PRESSURE REDUCING VALVE, AND STRAINER SHALL BE LOCATED INSIDE THE BUILDING IN AN ACCESSIBLE LOCATION. THEY SHOULD BE LOCATED BEFORE ANY BRANCH CONNECTIONS, AND PROTECTED FROM FREEZING. THE MAIN SHUT-OFF VALVE SHALL BE BRASS.
 - ALL PROPERTIES WITH WATER SERVICE CONNECTIONS LOCATED SOUTH OF 15TH AVE SE AND SOUTH OF 15TH AVE SW SHALL HAVE AN APPROVED PRIVATELY OWNED AND PRIVATELY MAINTAINED PRESSURE REDUCING VALVE (PRV) LOCATED ON THEIR WATER SERVICE LINE.
 - ALL PROPERTIES WITH IRRIGATION BRANCH CONNECTIONS LOCATED SOUTH OF 15TH AVE SE AND SOUTH OF 15TH AVE SW SHOULD HAVE AN APPROVED PRIVATELY OWNED AND PRIVATELY MAINTAINED PRESSURE REDUCING VALVE (PRV) LOCATED ON THEIR IRRIGATION BRANCH LINE.
 - ALL INSTALLATIONS WITHIN TWO (2) FEET OF THE BUILDING SHALL COMPLY WITH THE CURRENT UNIFORM PLUMBING CODE.

CITY OF PUYALLUP
PUBLIC WORKS AND DEVELOPMENT ENGINEERING

PRIVATE WATER SERVICE LINES

DATE: 03.03.04

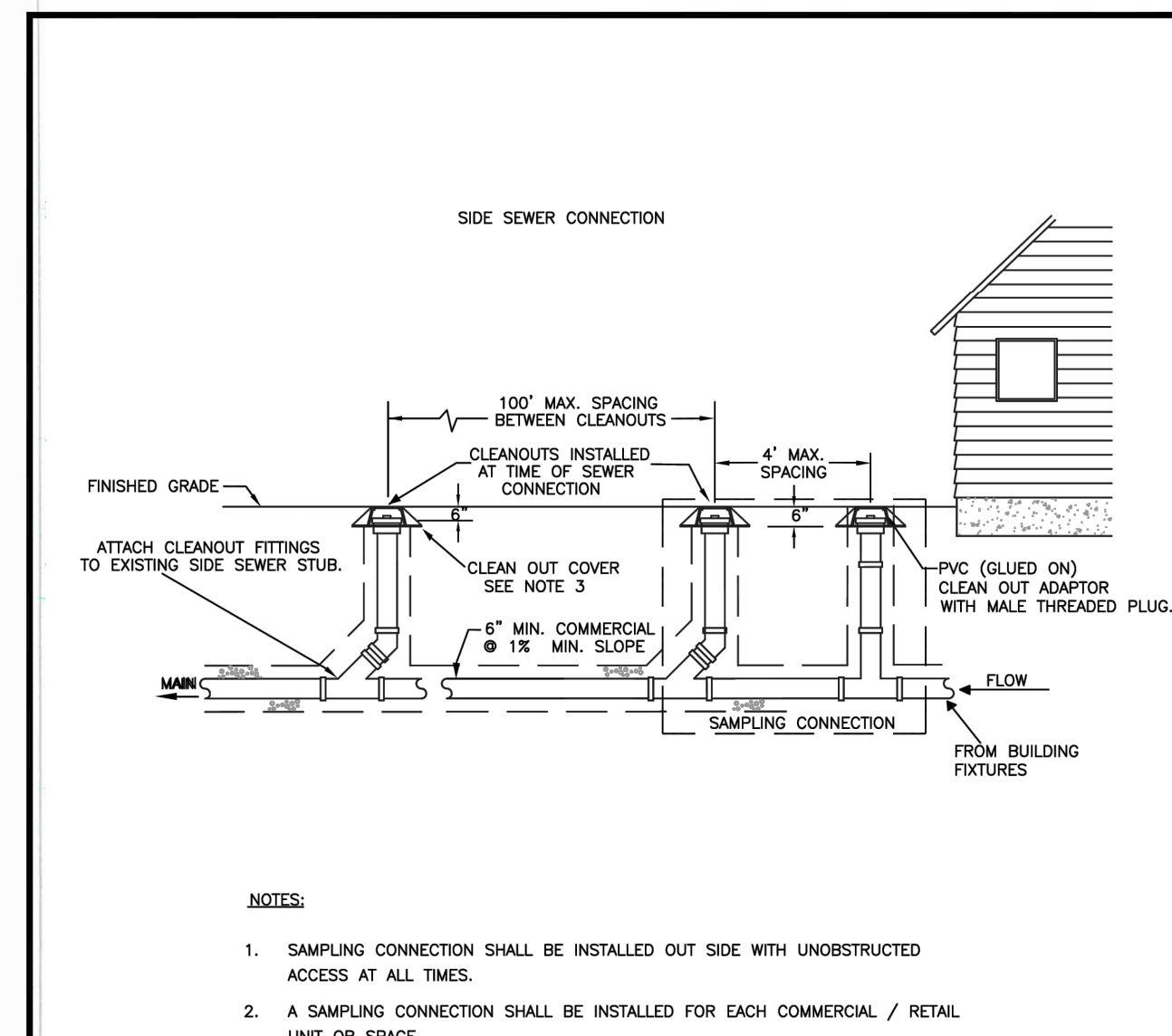


- NOTES**
- BACKFLOW ASSEMBLY MUST BE SELECTED FROM WASHINGTON STATE DEPARTMENT OF HEALTH'S LIST OF BACKFLOW PREVENTION ASSEMBLIES APPROVED FOR INSTALLATION IN WASHINGTON STATE, LATEST EDITION.
 - THE DOW BOX SHALL BE INSTALLED WITH ADEQUATE SPACE TO FACILITATE MAINTENANCE AND TESTING. IT SHALL BE TESTED AFTER INSTALLATION, BY A WASHINGTON STATE CERTIFIED BACK-FLOW ASSEMBLY TESTER, TO INSURE ITS SATISFACTORY OPERATION BEFORE OCCUPANCY, AND ANNUALLY THEREAFTER. SEND TEST RESULTS TO: CITY OF PUYALLUP, WATER QUALITY OPERATIONS, 1100 30TH AVE SE, PUYALLUP, WA 98374.
 - DOW BOX MUST BE PURCHASED AS A UNIT. NO MODIFICATIONS TO THE ASSEMBLY ARE ALLOWED.
 - DOW BOX SHALL BE PLACED IMMEDIATELY DOWNSTREAM OF WATER METER. WHEN IRRIGATION OR A NON FLOW-THROUGH FIRE SPRINKLER SYSTEM IS CONNECTED OFF THE DOMESTIC WATER LINE, DOW BOX SHALL BE PLACED IMMEDIATELY DOWNSTREAM OF THE BRANCH CONNECTION.
 - DOW BOX SHALL BE SIZED EQUAL, OR COMPARABLE TO METER SIZE.
 - METER BOX SHALL BE LARGE ENOUGH TO ALLOW THE MINIMUM SETBACKS ILLUSTRATED ABOVE. METER BOX LID SHALL BE A TRAFFIC LID WITH A H-20 LOADING.
 - DIELECTRIC UNIONS MUST BE USED TO SEPARATE DISSIMILAR MATERIALS.
 - USE ONLY BRASS OR COPPER BETWEEN THE METER AND THE UNION ON THE CUSTOMER'S SIDE OF THE DOW BOX.

CITY OF PUYALLUP
OFFICE OF THE CITY ENGINEER

2" AND SMALLER DOUBLE CHECK VALVE ASSEMBLY INSTALLATION

DATE: 03.04.01

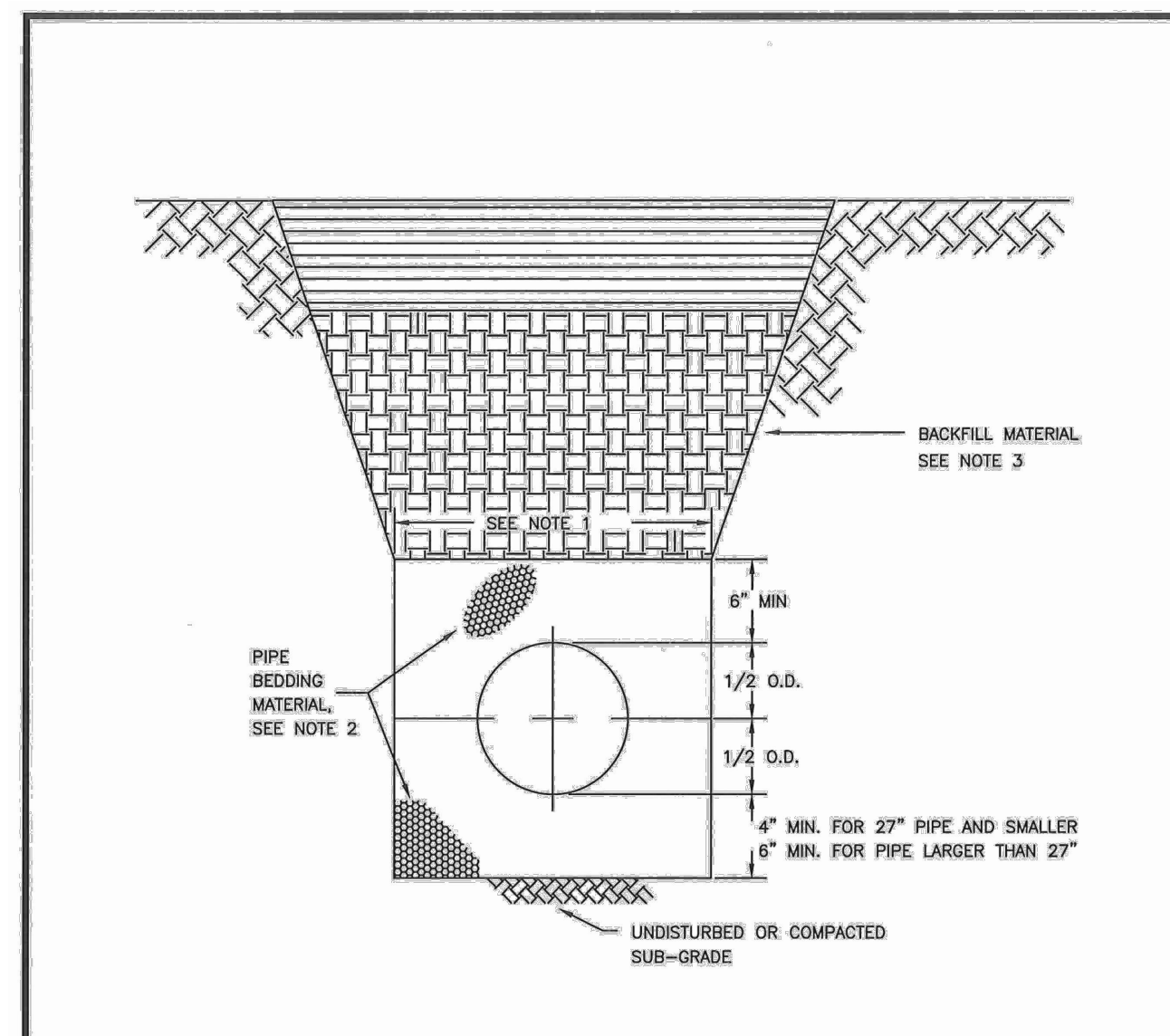


- NOTES**
- SAMPLING CONNECTION SHALL BE INSTALLED OUT SIDE WITH UNOBSTRUCTED ACCESS AT ALL TIMES.
 - A SAMPLING CONNECTION SHALL BE INSTALLED FOR EACH COMMERCIAL / RETAIL UNIT OR SPACE.
 - CLEAN OUT AND SAMPLING CONNECTION COVERS:
 - FOR NON-VEHICULAR TRAFFIC INSTALLATIONS USE "CARSON" MODEL 910 GREEN YARD BOX WITH BOLT DOWN LID MARKED SEWER OR APPROVED EQUAL.
 - FOR ASPHALT, GRAVEL, OR TRAFFIC INSTALLATIONS SEE CITY STANDARD DETAIL NO. 04.03.05 FRAME AND COVER SECTION.
 - EACH CLEANOUT ASSEMBLY SHALL CONSIST OF: ONE CLEANOUT ADAPTER, HUB x FEMALE, FIPT, PVC SI AND ONE CLEANOUT PLUG, MORT WITH RAISED NUT, PVC SDR35.

CITY OF PUYALLUP
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

COMMERCIAL SIDE SEWER CONNECTION WITH SAMPLING CONNECTION

DATE: 04.03.04



- TRENCHING SHALL MEET THE REQUIREMENTS OF SECTION 7-08.3(1)A AND 2-06.3(1) OF THE WSDOT SPECIFICATIONS.
- BEDDING MATERIAL SHALL CONFORM TO 9-03.12(3) GRAVEL BACKFILL FOR PIPE ZONE BEDDING.
- GRAVEL BACKFILL SHALL CONFORM TO 9-03.12(1)A GRAVEL BACKFILL FOR FOUNDATIONS, CLASS A.

CITY OF PUYALLUP
OFFICE OF THE CITY ENGINEER

PIPE TRENCHING BEDDING AND BACKFILL

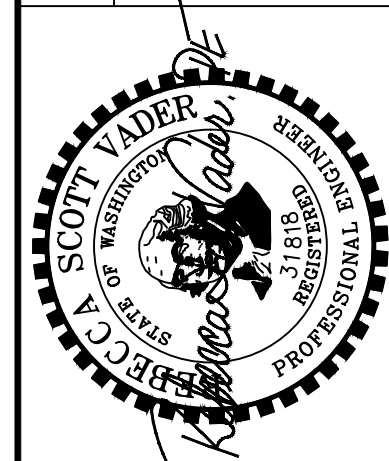
DATE: 06.01.01

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

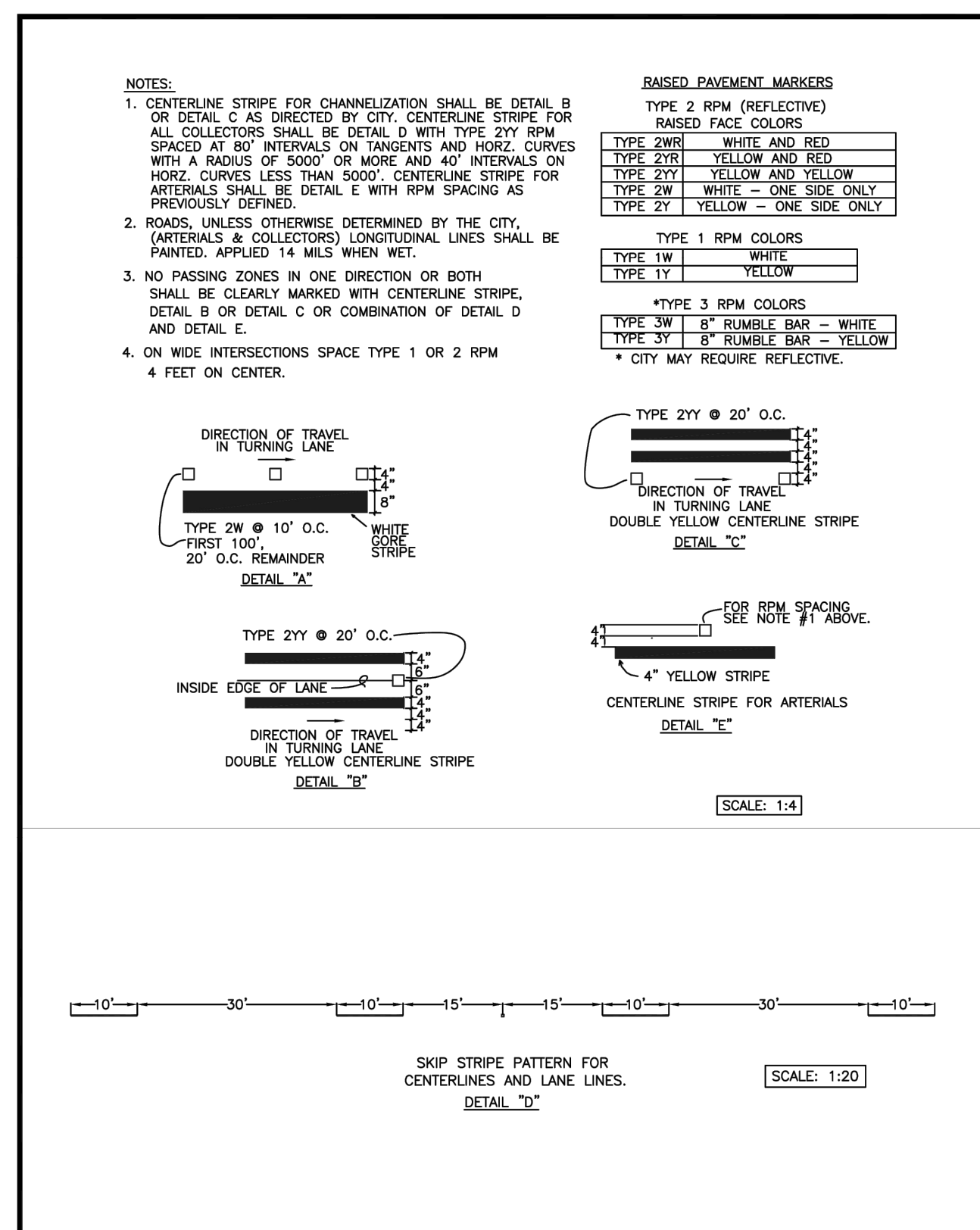
Building Planning
Engineering Public Works
Fire Traffic

APPROVED
BY: *[Signature]*
CITY OF PUYALLUP
ENGINEERING SERVICES
DATE: 06/04/2025

NOTE: THIS APPROVAL IS VOID AFTER 1 YEAR 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 ENGINEERING SERVICES MANAGER.



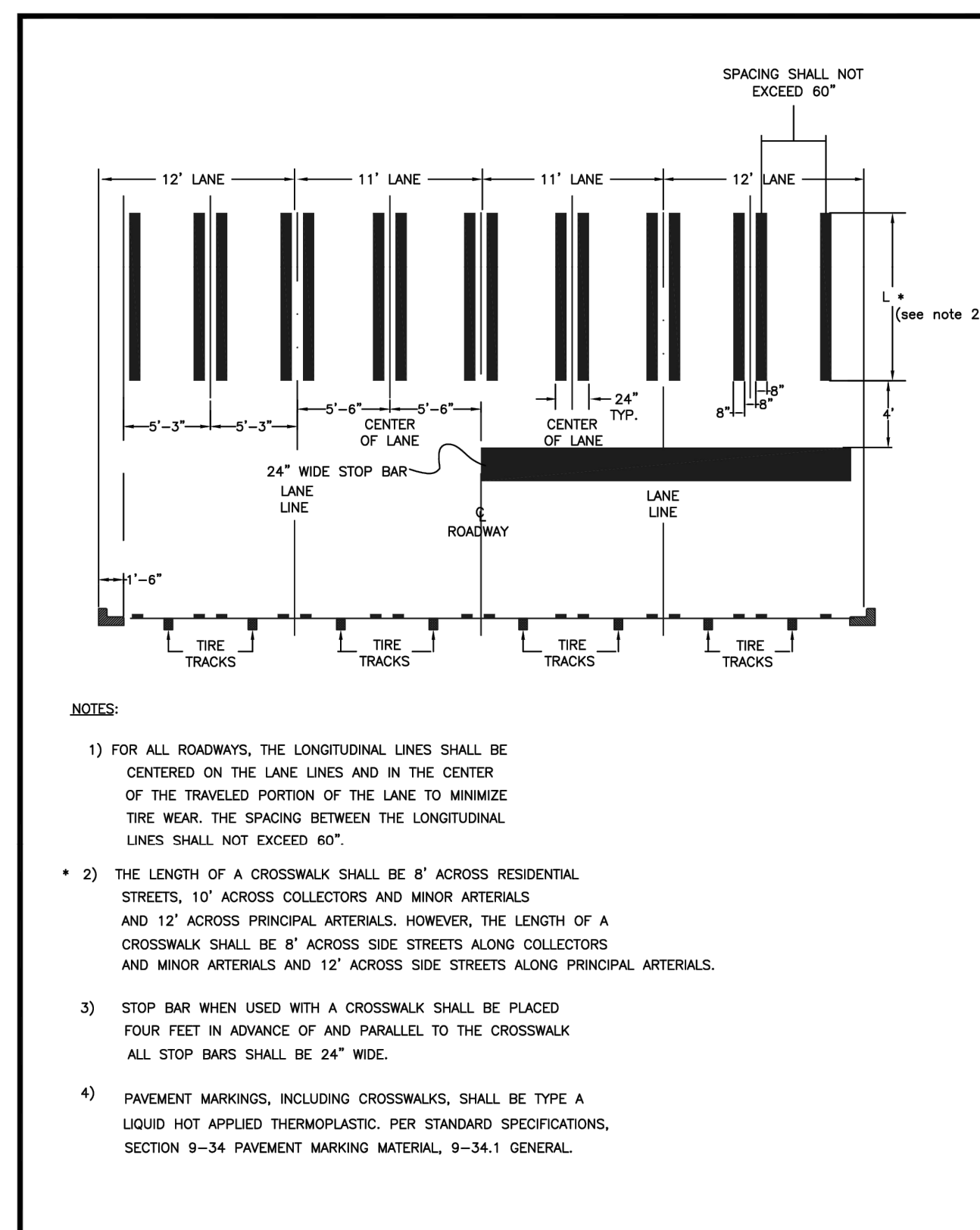
6817 27TH ST W, #55353
TACOMA, WA 98464
253.353.2055
vader@vaderengineering.com



CITY OF PUYALLUP
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

PAVEMENT MARKING DETAILS

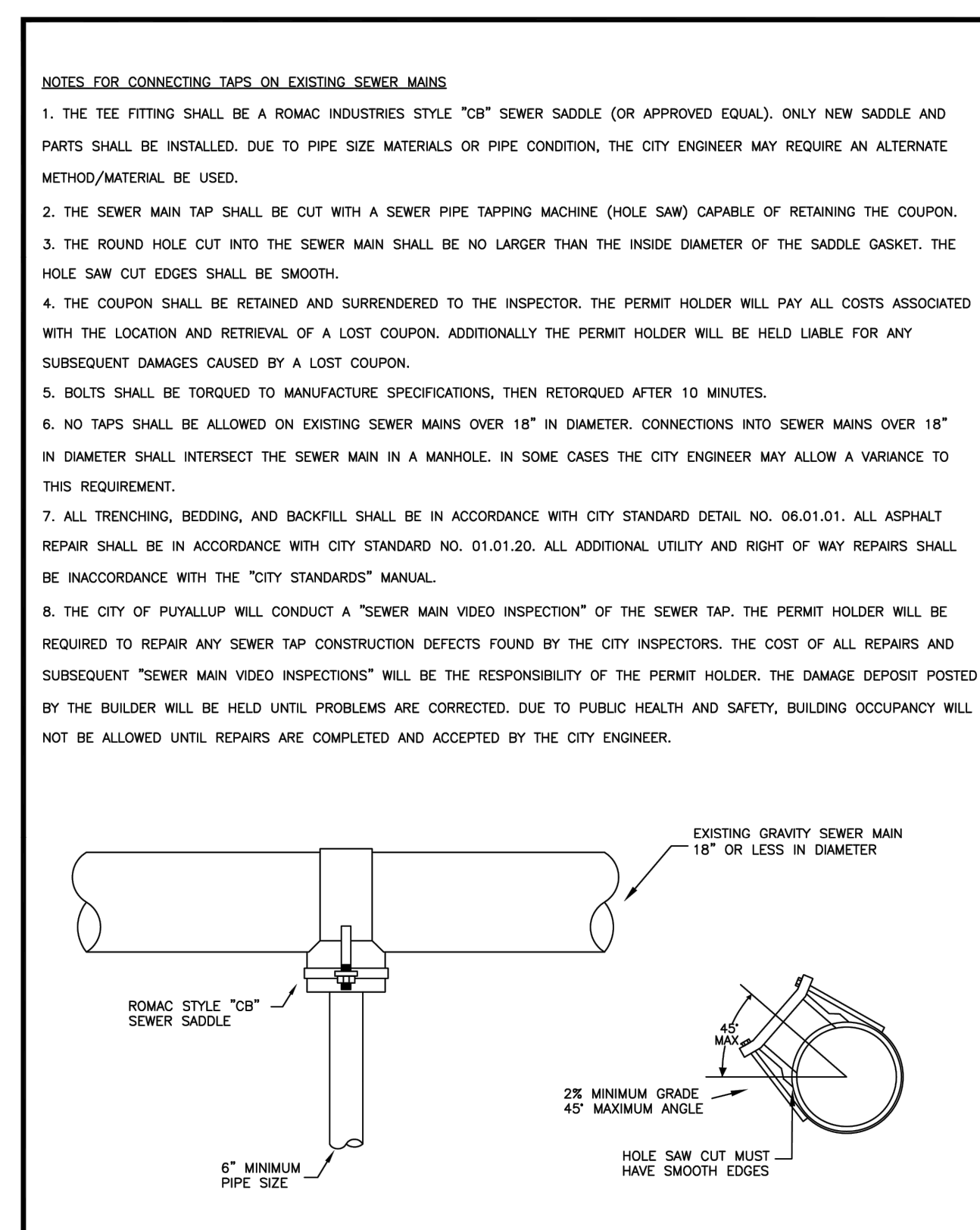
DATE: 01.03.10



CITY OF PUYALLUP
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

CROSSWALK DETAIL

DATE: 01.03.11



CITY OF PUYALLUP
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

SEWER MAIN TAP

DATE: 04.02.01

REVISION

NO.

PROJECT NO: 2409-6

SCALE: N/A

DESIGNED: RSV

DRAWN: AMS

SAVED: 5/9/2025

PLOT DATE: 5/9/2025

C10

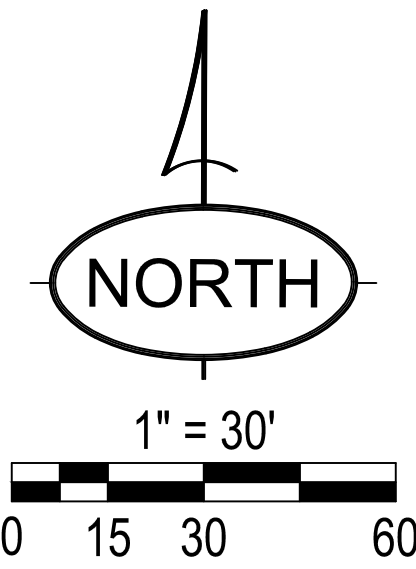
SHEET 10 OF 12

CASCADE CHRISTIAN SCHOOL CAMPUS - ELEMENTARY & JR. HIGH PORTABLES

SITE CUP MASTER PLAN & EVA/FIRE TRUCK AUTOTURN ACCESS EXHIBIT
A PORTION OF THE S 1/2 OF SECTION 26 AND N 1/2 OF SECTION 35, TOWNSHIP 20 NORTH, RANGE 4 EAST, W.M.
PIERCE COUNTY, WASHINGTON (CITY OF PUYALLUP)

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



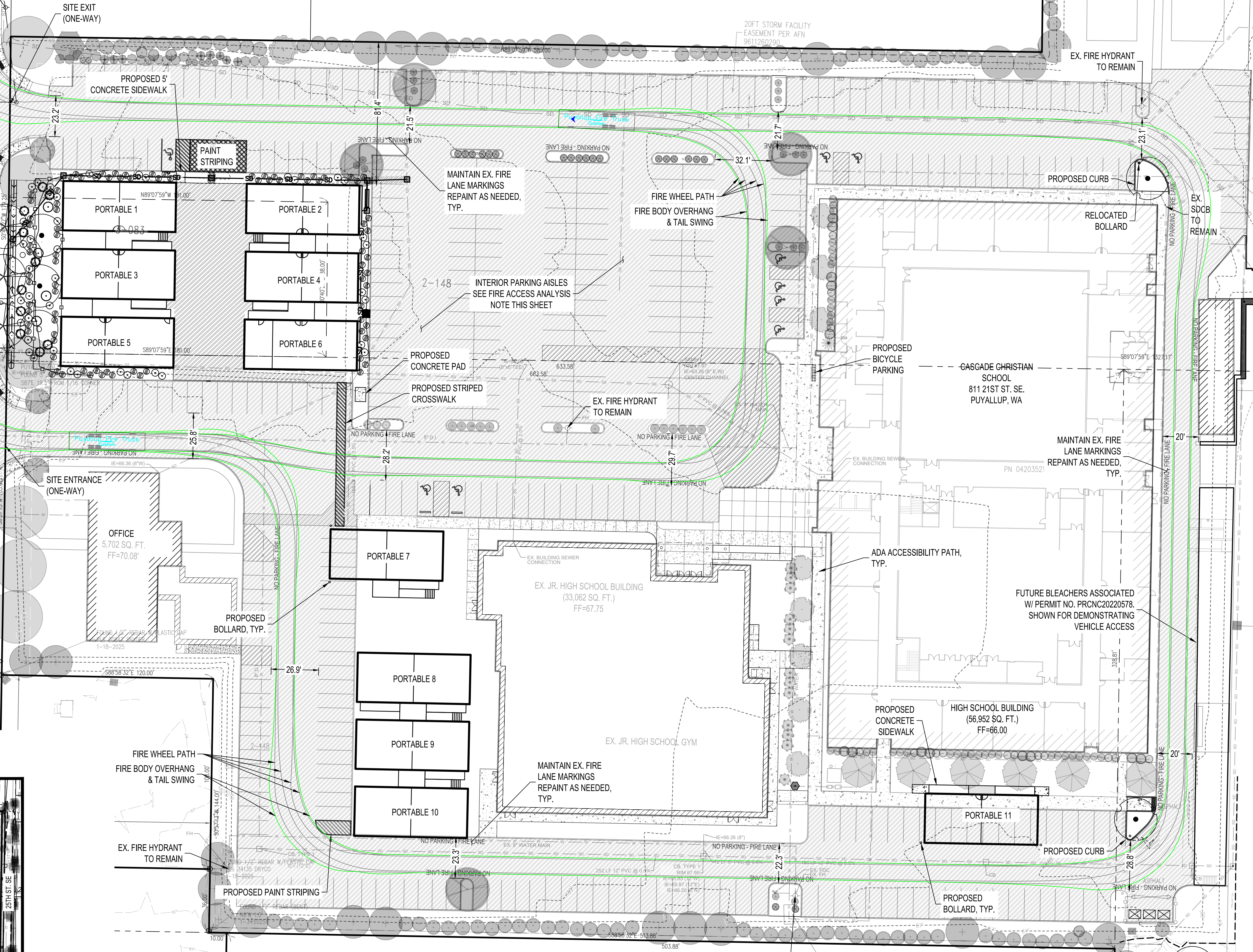
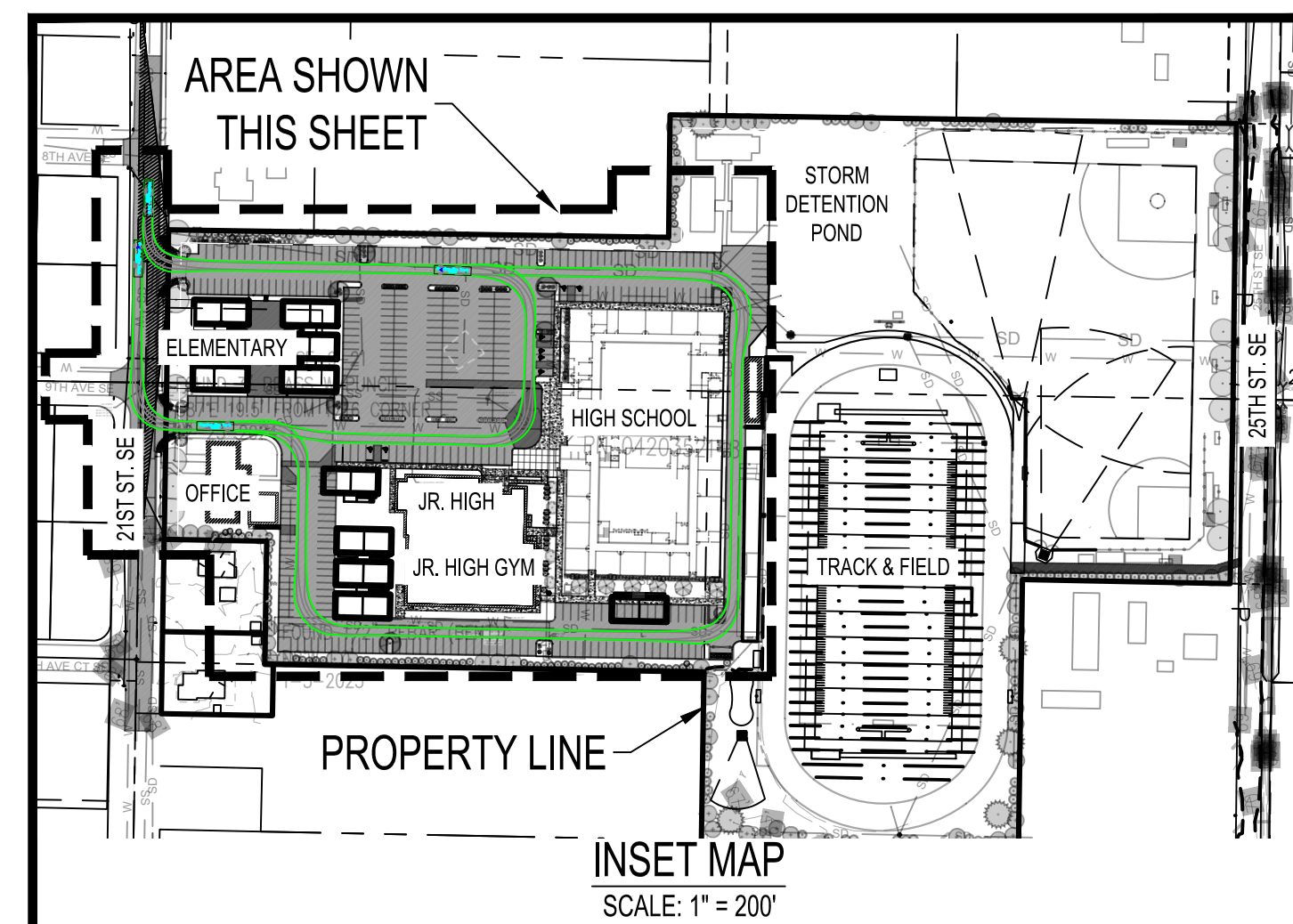
BASIS OF BEARING
WASHINGTON COORDINATE SYSTEM OF 1983, SOUTH ZONE
NAD83(91)(HARN)
PER NGS-CORS WASHINGTON STATE REFERENCE NETWORK
"WSRN" AND NGS CONVERSION (NCAT).
ALL DIMENSIONS ARE SHOWN IN US SURVEY FEET AT
GROUND LEVEL, UNLESS OTHERWISE NOTED.

DATUM
NAVD88(12B)
PER NGS-CORS WASHINGTON STATE REFERENCE
NETWORK "WSRN" AND APPLIED GEOID 12B
CONTOUR INTERVAL: 2'

SITE BENCHMARK
MONUMENT IN CASE WITH 3" BRASS DISK, 0.8' BELOW RIM,
POINT NUMBER 501
AT INTX. 9TH AVE. CT E., & 21ST ST. E.
ELEVATION=68.11

PARKING ANALYSIS
REQUIRED TOTAL PARKING STALLS: 272
EXISTING TOTAL PARKING STALLS: 411
PROPOSED TOTAL PARKING STALLS: 390
216 REGULAR PARKING STALLS
174 COMPACT STALLS
INCLUDED: 9 ADA VAN ACCESSIBLE STALLS TOTAL

FIRE ACCESS ANALYSIS
EXISTING DRIVE AISLE CLEARANCES ARE DEPICTED ON THE
PLAN. TO ACCOMMODATE FIRE ACCESS CONCURRENT WITH
PICK-UP AND DROP-OFF QUEUING, AN ADDITIONAL LANE
WIDTH OF AT LEAST 8 FEET AND UP TO 12 FEET IS PROVIDED
IN AISLES ADJACENT TO THE JUNIOR/SENIOR DROP-OFF AND
PICK-UP AREA. THIS CONFIGURATION ALLOWS QUEUING
VEHICLES TO YIELD AND PULL OVER IF FIRE ACCESS
REQUIRED. IN ADDITION, THREE INTERIOR PARKING AISLES
ARE AVAILABLE FOR FASTER LANE CLEARING AND SUPPORT
EMERGENCY VEHICLE MOVEMENT.



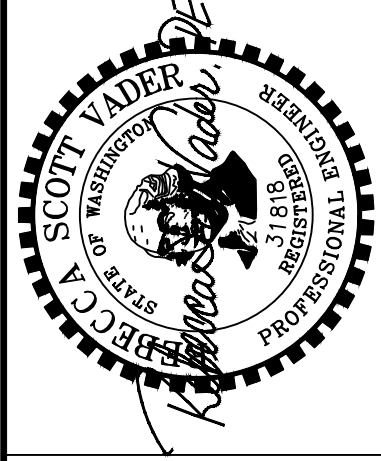
CUSTOM AUTOTURN FIRE TRUCK SPECS

NAME: PUYALLUP FIRE TRUCK	DIMENSIONS	FRONT AXLES
STEERING LOCK ANGLE: 41.2 DEG.	FULL LENGTH: 43.0'	QUANTITY: 1
STEERING: FRONT ONLY	OVERHANG: 7.1'	TRACK: 10'
LOCK TO LOCK: 6 SEC.	WHEELBASE: 21.4'	REAR AXLES
TURN WHEELS FROM STOP: NOT SELECTED	TAIL SWING: 13.5'	QUANTITY: 2
		TRACK: 8.5'

PICK-UP & DROP-OFF NOTE
CURRENT AND PROPOSED PICK-UP & DROP-OFF POINTS
FOR SCHOOL OPERATIONS IDENTIFIED DURING EARLIER
SITE VISIT WITH FIRE DEPARTMENT AND IS TO REMAIN
UNCHANGED. PLEASE SEE ASSOCIATED TRAFFIC REPORT
FOR MORE DETAIL.

VEHICLE QUEUING NOTE
VEHICLE QUEUING TO OCCUPY ONLY A SINGLE LANE FOR
PICK UP AND DROP OFF. DRIVER TO REMAIN IN VEHICLE.

CASCADE CHRISTIAN SCHOOL CAMPUS ELEMENTARY & JR. HIGH PORTABLES
SITE CUP MASTER PLAN & EVA/FIRE TRUCK AUTOTURN ACCESS
SITE ADDRESS:
811 21ST ST SE
PUYALLUP, WA 98372



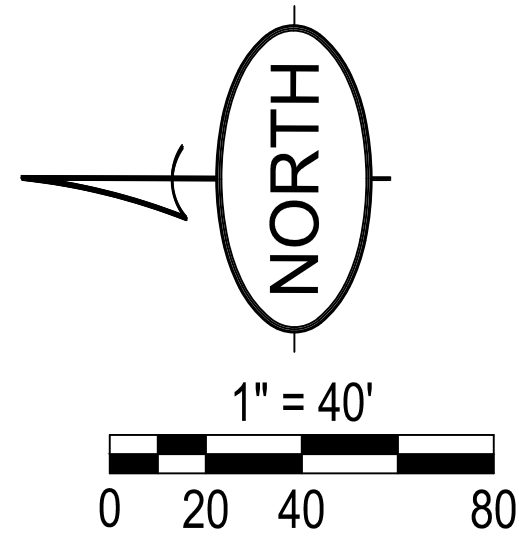
VADER
ENGINEERING
6817 27TH ST W, #65353
TACOMA, WA 98464
253.363.2085
vader@vaderengineering.com

REVISION	NO.	
PROJECT NO:	2409-6	
SCALE:	VARIES	
DESIGNED:	RSV	
DRAWN:	AMS	
SAVED:	5/9/2025	
PLOT DATE:	5/9/2025	
C11	SHEET 11 OF 12	

CASCADE CHRISTIAN SCHOOL CAMPUS - ELEMENTARY SCHOOL PORTABLES

SIGHT DISTANCE ANALYSIS

A PORTION OF THE S 1/2 OF SECTION 26 AND N 1/2 OF SECTION 35, TOWNSHIP 20 NORTH, RANGE 4 EAST, W.M.
PIERCE COUNTY, WASHINGTON (CITY OF PUYALLUP)



SIGHT DISTANCE DESIGN VALUES
POSTED SPEED: 25 MPH DESIGN SPEED: 35 MPH 21ST ST GRADE: <1% (AVG.)
STOPPING SIGHT DISTANCE: 250 FT. ENTERING SIGHT DISTANCE: 300 FT.

SIGHT DISTANCE TRIANGLE NOTE
CONTRACTOR TO VERIFY SIGHT DISTANCE TRIANGLES CLEAR OF OBSTACLES AT HEIGHTS IDENTIFIED ON PLAN. TRIM AND MAINTAIN VEGETATION WITHIN RIGHT-OF-WAY AS NEEDED. CONTRACTOR TO CONTACT ENGINEER IMMEDIATELY IF OTHER SIGHT-OBSTRUCTION ISSUES ARE FOUND.

VERTICAL SIGHT ANALYSIS
SURVEY DATA AND A FIELD ANALYSIS BY AN ENGINEER CONFIRMS NO VERTICAL SAG OR CREST CURVE OBSERVED WITHIN SIGHT DISTANCE TRIANGLE.

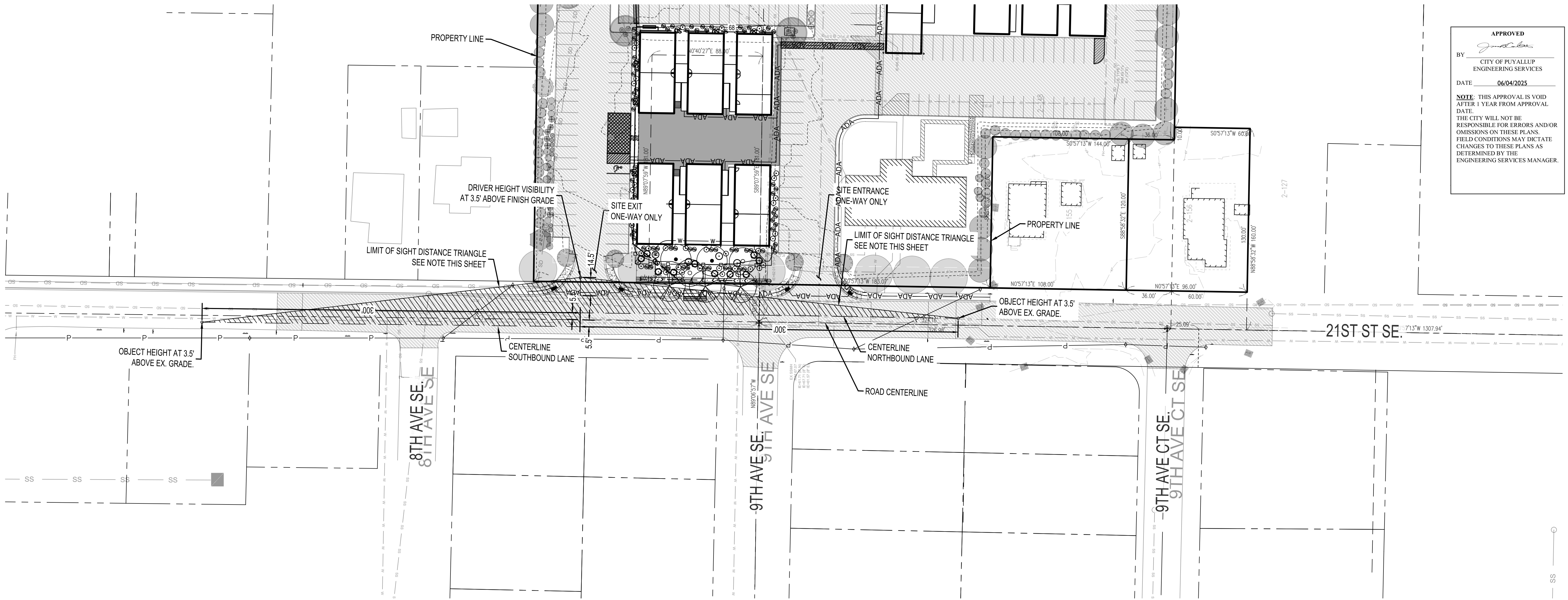
BASIS OF BEARING
WASHINGTON COORDINATE SYSTEM OF 1983, SOUTH ZONE NAD83(91)(HARN) PER NGS-CORS WASHINGTON STATE REFERENCE NETWORK "WSRN" AND NGS CONVERSION (NCAT). ALL DIMENSIONS ARE SHOWN IN US SURVEY FEET AT GROUND LEVEL, UNLESS OTHERWISE NOTED.

DATUM
NAVD88(12B) PER NGS-CORS WASHINGTON STATE REFERENCE NETWORK "WSRN" AND APPLIED GEOID 12B
CONTOUR INTERVAL: 2'

SITE BENCHMARK
MONUMENT IN CASE WITH 3" BRASS DISK, 0.8' BELOW RIM, POINT NUMBER 501 AT INTX. 9TH AVE. CT E., & 21ST ST. E. ELEVATION=68.11

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

APPROVED	
BY	<i>[Signature]</i>
	CITY OF PUYALLUP ENGINEERING SERVICES
DATE	06/04/2025
NOTE: THIS APPROVAL IS VOID AFTER 1 YEAR 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 ENGINEERING SERVICES MANAGER.	



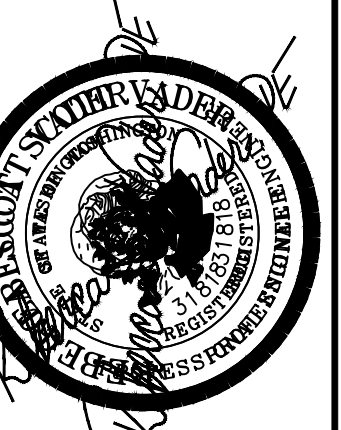
BEFORE YOU DIG
CALL
1-800-424-5555

NOT LESS THAN 48 HOURS BEFORE
BEGINNING EXCAVATION (PIPE ANY
UNDERGROUND UTILITIES MAY BE LOCATED).

CASCADE CHRISTIAN SCHOOL CAMPUS ELEMENTARY SCHOOL PORTABLES

SIGHT DISTANCE ANALYSIS

SITE ADDRESS:
811 21ST ST SE
PUYALLUP, WA 98372



6817 27TH ST W, #65353
TACOMA, WA 98464
253.363.2865
vader@vaderengineering.com

REVISION

NO.

PROJECT NO: 2409-6

SCALE: 1" = 40'

DESIGNED: RSV

DRAWN: AMS

SAVED: 5/9/2025

PLOT DATE: 5/9/2025

C12

SHEET 12 OF 12