

PSE - OPERATIONAL TRAINING CENTER

CLEAR, FILL & GRADE PERMIT

SITUATE IN A PORTION OF THE NE QUARTER OF THE NE QUARTER OF SECTION 21, TOWNSHIP 20 NORTH, RANGE 4 EAST, W.M., CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON
PIERCE COUNTY TAX PARCEL #0420211030



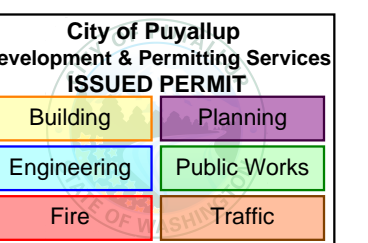
ARCHITECTURE | INTERIOR DESIGN
zervasgroup.com
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360.736.4744



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FREELAND & ASSOCIATES



APPROVED
By *Loree D. Holman*
CITY OF PUYALLUP
DEVELOPMENT ENGINEERING
DATE 05/08/2024
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.



LEGEND

<ul style="list-style-type: none"> ⊙ BC = FOUND BRASS MON ● = FOUND 5/8" REBAR W/ PLASTIC CAP ⊠ = FOUND CASED MONUMENT ⊞ = SET HUB AND TACK ⊙ = SET REBAR AND CAP ⊠ = EXISTING STORM DRAIN CATCH BASIN (TYPE 1) ⊠ = EXISTING STORM DRAIN CATCH BASIN (TYPE 2) ⊠ = PROPOSED STORM DRAIN CATCH BASIN ⊠ = PROPOSED STORM DRAIN MANHOLE (TYPE 2) ⊠ = EXISTING SANITARY SEWER MANHOLE ⊠ = EXISTING SANITARY SEWER CLEANOUT ⊠ = EXISTING PIV ⊠ = EXISTING WATER METER BOX ⊠ = EXISTING FIRE HYDRANT ⊠ = EXISTING WATER VALVE ⊠ = EXISTING GUY POLE ⊠ = EXISTING GUY WIRE ⊠ = EXISTING POWER METER/STRUCTURE ⊠ = EXISTING POWER VAULT ⊠ = EXISTING POWER JBOX/HANDHOLD ⊠ = EXISTING LIGHT POLE ⊠ = EXISTING UTILITY POLE ⊠ = EXISTING TV BOX ⊠ = EXISTING TELEPHONE PEDESTAL ⊠ = EXISTING TELEPHONE MANHOLE ⊠ = EXISTING MAIL BOX ⊠ = EXISTING SIGN ⊠ = EXISTING LANDSCAPING ⊠ = EXISTING GAS METER ⊠ = DETAIL CALLOUT 	<ul style="list-style-type: none"> —OP—OP— = EXISTING OVERHEAD ELECTRIC LINES —FO—FO— = EXISTING FIBER OPTIC LINE —P—P— = EXISTING UNDERGROUND POWER —OT—OT— = EXISTING UNDERGROUND PHONE —T—T— = EXISTING UNDERGROUND PHONE —OH—OH— = EXISTING OVERHEAD UTILITIES (UNKNOWN) —TV—TV— = EXISTING UNDERGROUND TV CABLE —G—G— = EXISTING GAS MAIN —W—W— = EXISTING WATER LINE —S—S— = EXISTING SANITARY SEWER LINE —SD—SD— = EXISTING FLOW LINE & DIRECTION —SD—SD— = EXISTING STORM DRAIN LINE —SD—SD— = PROPOSED STORM DRAIN LINE (SOLID WALL) —SD—SD— = PROPOSED STORM DRAIN LINE (PERFORATED) —SD—SD— = EXISTING CHAIN LINK FENCE —SD—SD— = EXISTING HOG WIRE FENCE —SD—SD— = EXISTING WETLAND —SD—SD— = EXISTING TOP OF BANK —SD—SD— = EXISTING TOE OF BANK —SD—SD— = EXISTING CONTOUR (INDEX) —SD—SD— = EXISTING CONTOUR (NORMAL) —SD—SD— = PROPOSED CONTOUR (INDEX) —SD—SD— = PROPOSED CONTOUR (NORMAL) —SD—SD— = PROPOSED SURCHARGE FILL
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PROJECT CONTACTS

<p>OWNER PUGET SOUND ENERGY CARRIE CHEUNG 35131 SE CENTER STREET SNOQUALMIE, WA 98065 (425) 457-5802 carrie.cheung@pse.com</p> <p>CIVIL ENGINEER FREELAND & ASSOCIATES, INC. MILES MOETHRON, PE 220 W. CHAMPION STREET SUITE 200 BELLINGHAM, WA 98225 (360) 650-1408 milesmoethron@freelandengineering.com</p> <p>POWER PUGET SOUND ENERGY</p>	<p>DEVELOPER TRAMMELL CROW COMPANY ALEX GARCIA MENDOZA 600 UNIVERSITY STREET, SUITE 2912 SEATTLE, WA 98101 (206) 694-5836 agarciamendoza@trammellcrow.com</p> <p>SURVEYOR ESM CONSULTING ENGINEERS, LLC ZACK LENNON, PLS 33400 8TH AVE S, SUITE 205 FEDERAL WAY, WA 98003 (253) 838-6113 zack.lennon@esmcivil.com</p> <p>COMCAST JIM LECOMPTTE jim.lecomptte@cable.comcast.com MARK TORRES mark_torres@cable.comcast.com</p> <p>GAS PUGET SOUND ENERGY</p>	<p>ARCHITECT ZERVAS GROUP ARCHITECTS MATT REEVES, AIA 209 PROSPECT AVENUE SUITE 1 BELLINGHAM, WA 98225 (360) 734-4744 matt@zervasgroup.com</p> <p>GEOTECHNICAL ENGINEER TERRA ASSOCIATES, INC. THEODORE SCHEPPER, P.E. 12220 113TH AVENUE NE, STE. 130 KIRKLAND, WA 98034 (425) 821-7777 tschepper@terra-associates.com</p> <p>ZAYO SCOTT MORRISON (253) 441-0653 scott.morrison@zayo.com</p> <p>FIBER OPTIC LUMEN / LEVEL 3</p>
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SHEET INDEX

CFG1	COVER SHEET
CFG2	EXISTING CONDITIONS
CFG3	EARLY PHASE TESC & SURCHARGE PLAN
CFG4	TESC NOTES & DETAILS
CFG5	GENERAL NOTES & SECTION VIEW

ARCHAEOLOGICAL FINDINGS

AN ARCHAEOLOGICAL MONITORING PLAN AND INADVERTENT DISCOVERY PROTOCOL (MIDP) FOR THE PSE OPERATIONAL TRAINING CENTER PROJECT HAS BEEN PREPARED BY CULTURAL RESOURCE CONSULTANTS, DATED APRIL 17, 2024 (DAHP PROJECT: 2023-06-03529). SUPERVISION OF GROUND DISTURBANCE BY AN ARCHAEOLOGIST TO ASSESS THE PRESENCE OR POTENTIAL PRESENCE OF ARCHAEOLOGICAL RESOURCES IS REQUIRED FOR THIS PROJECT. ARCHAEOLOGICAL MONITORING MUST BE COMPLETED IN ACCORDANCE WITH THE MIDP. THE DEVELOPER MUST COORDINATE WITH ARCHAEOLOGICAL MONITORS THROUGHOUT CONSTRUCTION. SHOULD ARCHAEOLOGICAL MATERIALS (e.g. FIRE-MODIFIED ROCK, SHELL LENSES, ANIMAL BONES, WOOD POSTS, HEARTHES, PITS, POST MOUNDS, STONE TOOLS, OR HISTORIC OBJECTS) BE OBSERVED, ALL WORK WITHIN 30 FEET (OR OTHER DISTANCE DETERMINED BY PROJECT ARCHAEOLOGIST) SHALL STOP, AND THE AREA SHALL BE SECURED. THE PROJECT ARCHAEOLOGIST MUST BE NOTIFIED TO ASSESS THE POTENTIAL ELIGIBILITY OF THE DISCOVERY AND FOLLOW STANDARD PROCEDURES FOR DISCOVERY PER THE MIDP.

SURVEY NOTE

DIGITAL COPIES OF THE CIVIL SITE PLANS WILL BE PROVIDED TO THE CONTRACTOR FOR REFERENCE. ALL BUILDINGS, UTILITY STRUCTURES, AND OTHER COMPONENTS NECESSARY FOR CONSTRUCTION SHALL BE STAKED BY A LICENSED SURVEYOR PRIOR TO CONSTRUCTION.

CALL BEFORE YOU DIG
FOR BURIED UTILITY LOCATIONS
1-800-424-5555

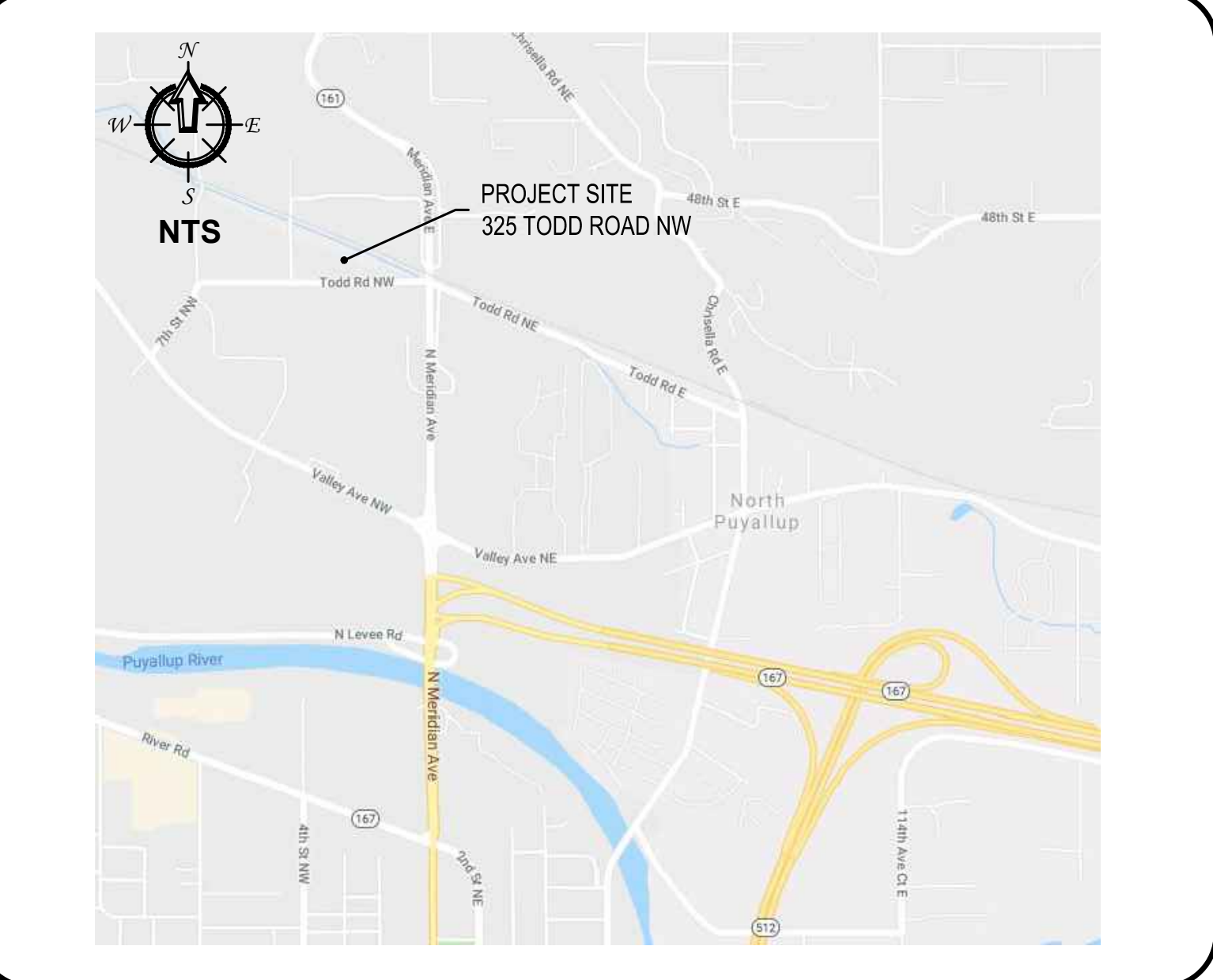
CONSTRUCTION SCHEDULE

- HOLD A PRECONSTRUCTION MEETING WITH THE CITY AND OBTAIN REQUIRED PERMITS.
- ESTABLISH CLEARING AND GRADING LIMITS AND IDENTIFY CRITICAL AREAS.
- CONSTRUCT TEMPORARY CONSTRUCTION ENTRANCES.
- INSTALL SILT FENCES, AND OTHER EROSION CONTROL DEVICES AS SHOWN.
- ENSURE CRITICAL AREAS (EXISTING WETLAND) ARE PROTECTED AS SHOWN.
- SCHEDULE AN EROSION CONTROL INSPECTION WITH THE CITY.
- CONSTRUCT CONSTRUCTION ROAD/PARKING AREA STABILIZATION.
- CONSTRUCT TEMPORARY SEDIMENT POND AND DEWATERING DEVICE. PROVIDE EMERGENCY OVERFLOW AS APPLICABLE.
- INSTALL SUMPS & PUMPS, DITCHES, OR SWALES TO DIRECT ALL SURFACE WATER TO THE SEDIMENT POND. NO UNCONTROLLED SURFACE WATER SHALL BE ALLOWED TO LEAVE THE SITE OR BE DISCHARGED TO A CRITICAL AREA AT ANY TIME DURING THE GRADING OPERATIONS.
- GRADING ACTIVITIES CAN BEGIN AFTER ALL DRAINAGE AND EROSION CONTROL MEASURES ARE IN PLACE.
- ALL EROSION CONTROL MEASURES MUST BE MAINTAINED PER APPLICABLE STORMWATER POLLUTION PREVENTION PLAN. THIS PROJECT IS OVER 1 ACRE AND MUST FOLLOW REQUIREMENTS FOR CONSTRUCTION STORMWATER GENERAL PERMIT WITH DEPARTMENT OF ECOLOGY. A CERTIFIED EROSION AND SEDIMENTATION CONTROL LEAD (CESCL) WILL BE REQUIRED TO MAINTAIN AND UPDATE A LOGBOOK THROUGHOUT THE PROJECT.

ABBREVIATIONS

<p>1' / 1" = ONE FOOT/ONE INCH</p> <p>AD = ABSOLUTE VALUE OF THE ALGEBRAIC GRADE DIFFERENCE</p> <p>AF# = AUDITORS FILE NUMBER</p> <p>ALUM = ALUMINUM</p> <p>APPROX = APPROXIMATE</p> <p>ASB/AB = AS-BUILT</p> <p>ASPH = ASPHALT</p> <p>BLDG = BUILDING</p> <p>BSMT = BASEMENT</p> <p>BVCS = BEGINNING OF VERTICAL CURVE STATION</p> <p>BVCE = BEGINNING OF VERTICAL CURVE ELEVATION</p> <p>C = COMPACT PARKING STALL</p> <p>CB = CATCH BASIN</p> <p>CDF = CONTROLLED DENSITY FILL</p> <p>CESCL = CERTIFIED EROSION & SEDIMENTATION CONTROL LEAD</p> <p>CJ = CONTROL JOINT</p> <p>CL = CENTERLINE</p> <p>CMP = CORRUGATED METAL PIPE</p> <p>CONTRL = CONTROL</p> <p>CO = CLEANOUT</p> <p>COR = CORNER</p> <p>CPLG = COUPLING</p> <p>OPP = CORRUGATED POLYETHYLENE PIPE</p> <p>CONC = CONCRETE</p> <p>CULV = CULVERT</p> <p>Ø = DIAMETER</p> <p>DECID = DECIDUOUS</p> <p>DEMO = DEMOLITION</p> <p>DF = DRAINFIELD</p> <p>DI = DUCTILE IRON</p> <p>DWGS = DRAWINGS</p> <p>EA = EACH</p> <p>EL/ELEV = ELEVATION</p> <p>EP/EOP = EDGE OF PAVEMENT</p> <p>EQUIP = EQUIPMENT</p> <p>ESMT = EASEMENT</p>	<p>EVCE = END OF VERTICAL CURVE ELEVATION</p> <p>EX/EXIST = EXISTING</p> <p>EXP = EXPANSION JOINT/COLD JOINT</p> <p>FDC = FIRE DEPARTMENT CONNECTION</p> <p>FFE/FF = FINISH FLOOR ELEVATION</p> <p>FG = FINISH GRADE</p> <p>FH = FIRE HYDRANT</p> <p>FM = FORCE MAIN</p> <p>FND = FOUND</p> <p>GAL = GALLON</p> <p>GND = GROUND</p> <p>GUTT = GUTTER</p> <p>HDPPE = HIGH DENSITY POLYETHYLENE PIPE</p> <p>HWR = HOT WATER RETURN</p> <p>HWS = HOT WATER SERVICE</p> <p>INV = INVERT</p> <p>IE = INVERT ELEVATION</p> <p>IRRIG = IRRIGATION</p> <p>K = LENGTH OF VERTICAL CURVE PER PERCENT GRADE DIFFERENCE</p> <p>LF = LINEAR FOOT</p> <p>MJ = MECHANICAL JOINT</p> <p>MAX = MAXIMUM</p> <p>MIN = MINIMUM</p> <p>MES = MERIDIAN ELEMENTARY SCHOOL</p> <p>MON = MONUMENT</p> <p>NIC = NOT IN CONTRACT</p> <p>No./# = NUMBER</p> <p>PC = POINT OF CURVATURE</p> <p>PCC = PORTLAND CEMENT CONCRETE</p> <p>PARCEL = PARCEL</p> <p>PERF = PERFORATED</p> <p>PG = PERFORMANCE GRADE</p> <p>PI = POINT OF INTERSECTION</p> <p>PIV = POST INDICATOR VALVE</p> <p>P.O.B. = POINT OF BEGINNING</p> <p>PROP = PROPERTY -OR- PROPOSED</p> <p>PT/POT = POINT OF TANGENCY</p>	<p>PRC = POINT OF RETURN CURVATURE</p> <p>PRT = POWER TRANSFORMER</p> <p>PVC = POLYVINYL CHLORIDE</p> <p>PVI = POINT OF VERTICAL INFLECTION</p> <p>R/RAD = RADIUS</p> <p>R/C = REBAR WITH CAP</p> <p>REQ'D = REQUIRED</p> <p>RM = RIM</p> <p>RCP = REINFORCED CONCRETE PIPE</p> <p>RET = RETAINING</p> <p>RES = RESIDENCE</p> <p>REJ = RESTRAINED JOINT</p> <p>ROW = RIGHT OF WAY</p> <p>RPP = REDUCED PRESSURE PRINCIPAL</p> <p>RR = RAILROAD</p> <p>SAN = SANITARY</p> <p>SCH = SCHEDULE</p> <p>SD = STORM DRAIN</p> <p>SDCB = STORM DRAIN CATCH BASIN</p> <p>SDCO = STORM DRAIN CLEANOUT</p> <p>SDMH = STORM DRAIN MAN HOLE</p> <p>SERV = SERVICE</p> <p>SS = SANITARY SEWER</p> <p>SSCO = SANITARY SEWER CLEANOUT</p> <p>SSMH = SANITARY SEWER MANHOLE</p> <p>ST = STREET</p> <p>TBM/T.B.M. = TEMPORARY BENCH MARK</p> <p>TC = TOP OF CURB</p> <p>TEL/TELE = TELEPHONE</p> <p>TESC = TEMPORARY EROSION & SEDIMENTATION CONTROL</p> <p>TP = TOP OF PAVEMENT</p> <p>TS = TOP OF SIDEWALK</p> <p>TW = TOP OF WALL</p> <p>TYP = TYPICAL</p> <p>UG = UNDERGROUND</p> <p>W/ = WITH</p> <p>W/N = WITHIN</p> <p>W = WATER</p>
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VICINITY MAP



100% CD SET

REV	ISSUED FOR	DATE

PLAN NORTH TRUE NORTH

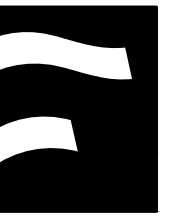
SCALE:

PSE - OPERATIONAL TRAINING CENTER

COVER SHEET

PROJECT No: 22219
DRAWN BY: MPM
CHECKED BY: THF
DATE ISSUED: 04/26/2024

CFG1



APPROVED

By *Travis D. Helgeson*
CITY OF PUYALLUP
DEVELOPMENT ENGINEERING

DATE: 05/08/2024

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.

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

SURVEY DATA

HORIZONTAL DATUM:
WASHINGTON COORDINATE SYSTEM (WCS) - SOUTH ZONE, BASED UPON THE NORTH AMERICAN DATUM OF 1983, 2011 ADJUSTMENT (NAD 83/2011) BASED ON GPS OBSERVATIONS UTILIZING THE WASHINGTON STATE REFERENCE NETWORK (WSRN) IN DECEMBER OF 2022. NO LOCAL JURISDICTION HORIZONTAL SURVEY CONTROL POINTS WERE FOUND ON OR NEAR THE PROJECT SITE.

VERTICAL DATUM:
NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) BASED ON GPS OBSERVATIONS UTILIZING THE WASHINGTON STATE REFERENCE NETWORK (WSRN) IN DECEMBER OF 2022. NO LOCAL JURISDICTION VERTICAL SURVEY CONTROL POINTS WERE FOUND ON OR NEAR THE PROJECT SITE.

BASIS OF BEARINGS:
AN OBSERVED BEARING OF N 89°24'32"W ALONG THE NORTHEAST LINE OF SECTION 21, TOWNSHIP 20 NORTH, RANGE 4 EAST, W.M., BETWEEN FOUND MONUMENTS AT THE NORTH QUARTER AND NORTHEAST CORNER OF SAID SECTION 21, WAS HELD AS THE BASIS OF BEARINGS FOR THIS SURVEY.

PROJECT BENCHMARK:
SURVEY CONTROL POINT #110, BEING A 1/2" REBAR WITH PINK CAP LOCATED APPROXIMATELY 8 FEET NORTH OF THE NORTH EDGE OF PAVEMENT ON TODD ROAD NW AND 995 FEET EAST OF THE INTERSECTION OF TODD ROAD WITH 4TH STREET NW, IS USED AS A VERTICAL BENCHMARK FOR THIS PROJECT. THE BENCHMARK HAS AN ELEVATION OF 43.10 FEET (NAVD 88).

- REFERENCE SURVEYS**
- 8103050155 AND 8201280140
 - 8407170263
 - 9309160347 AND 9405100543
 - 9508040077
 - 9709290267, 20011015007, 200406025007 AND 200812225002
 - 2004092825006 AND 201110265002
 - 200506095003
 - 200709255006
 - 201903155003 AND 201911185001
 - RAILROAD PLANS

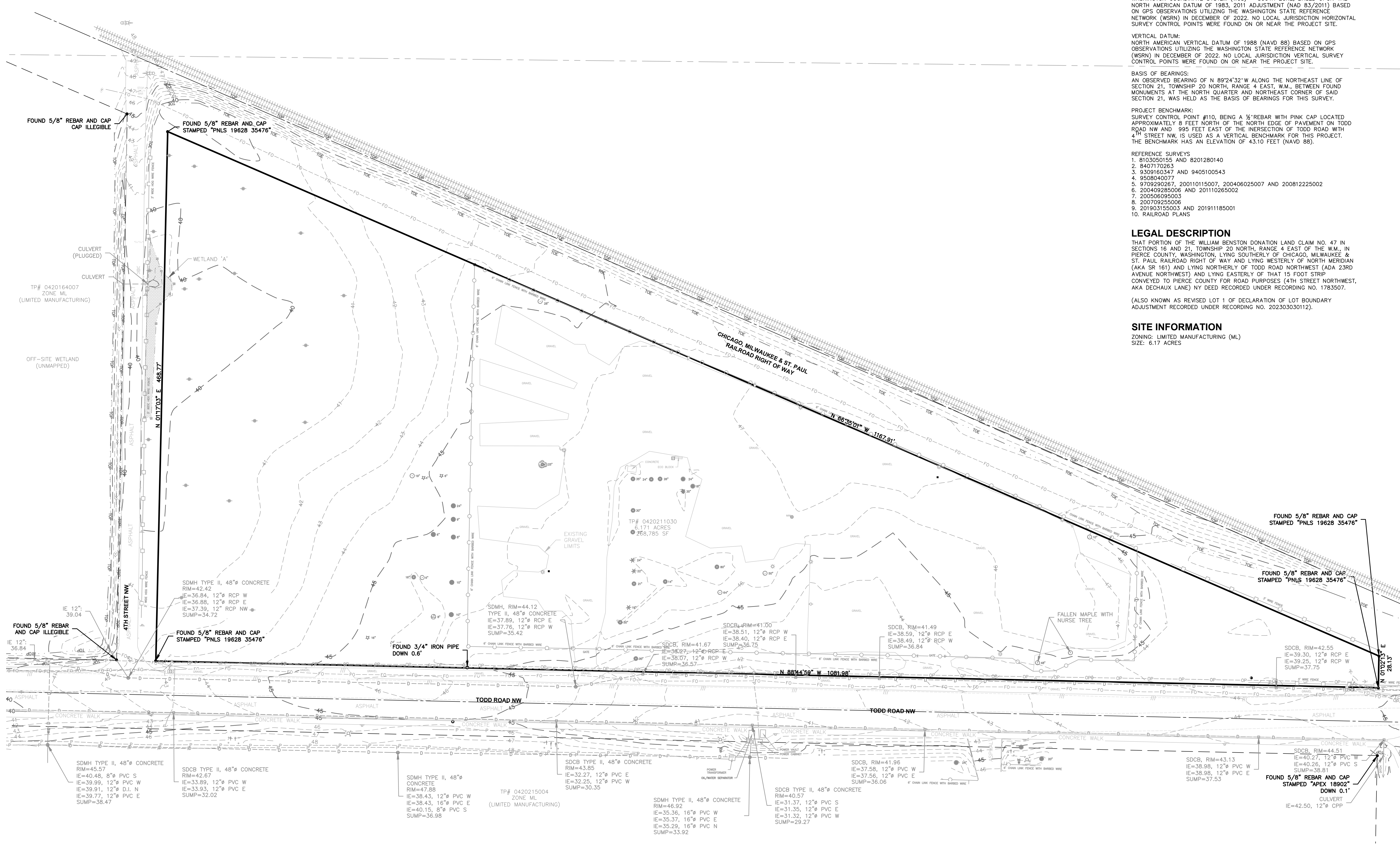
LEGAL DESCRIPTION

THAT PORTION OF THE WILLIAM BENSTON DONATION LAND CLAIM NO. 47 IN SECTIONS 16 AND 21, TOWNSHIP 20 NORTH, RANGE 4 EAST OF THE W.M., IN PIERCE COUNTY, WASHINGTON, LYING SOUTHERLY OF CHICAGO, MILWAUKEE & ST. PAUL RAILROAD RIGHT OF WAY AND LYING WESTERLY OF NORTH MERIDIAN (AKA SR 161) AND LYING NORTHERLY OF TODD ROAD NORTHWEST (ADA 23RD AVENUE NORTHWEST) AND LYING EASTERLY OF THAT 15 FOOT STRIP CONVEYED TO PIERCE COUNTY FOR ROAD PURPOSES (4TH STREET NORTHWEST, AKA DECHAUX LANE) NY DEED RECORDED UNDER RECORDING NO. 1783507.

(ALSO KNOWN AS REVISED LOT 1 OF DECLARATION OF LOT BOUNDARY ADJUSTMENT RECORDED UNDER RECORDING NO. 202303030112).

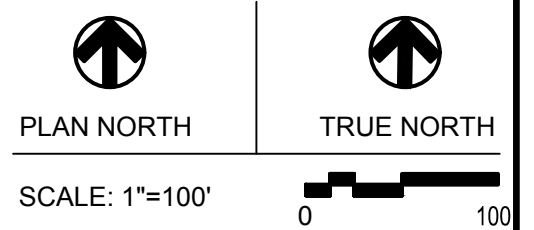
SITE INFORMATION

ZONING: LIMITED MANUFACTURING (ML)
SIZE: 6.17 ACRES



100% CD SET

REV.	ISSUED FOR	DATE

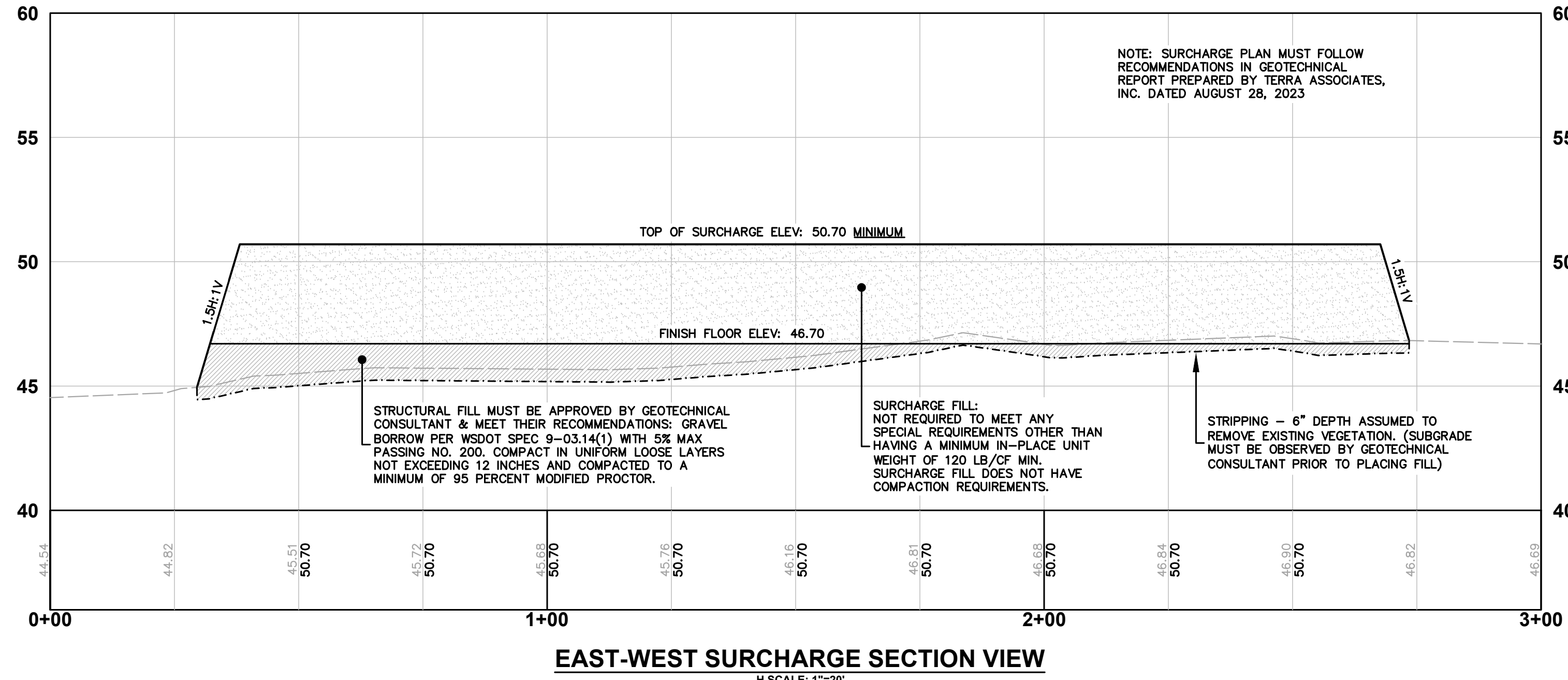
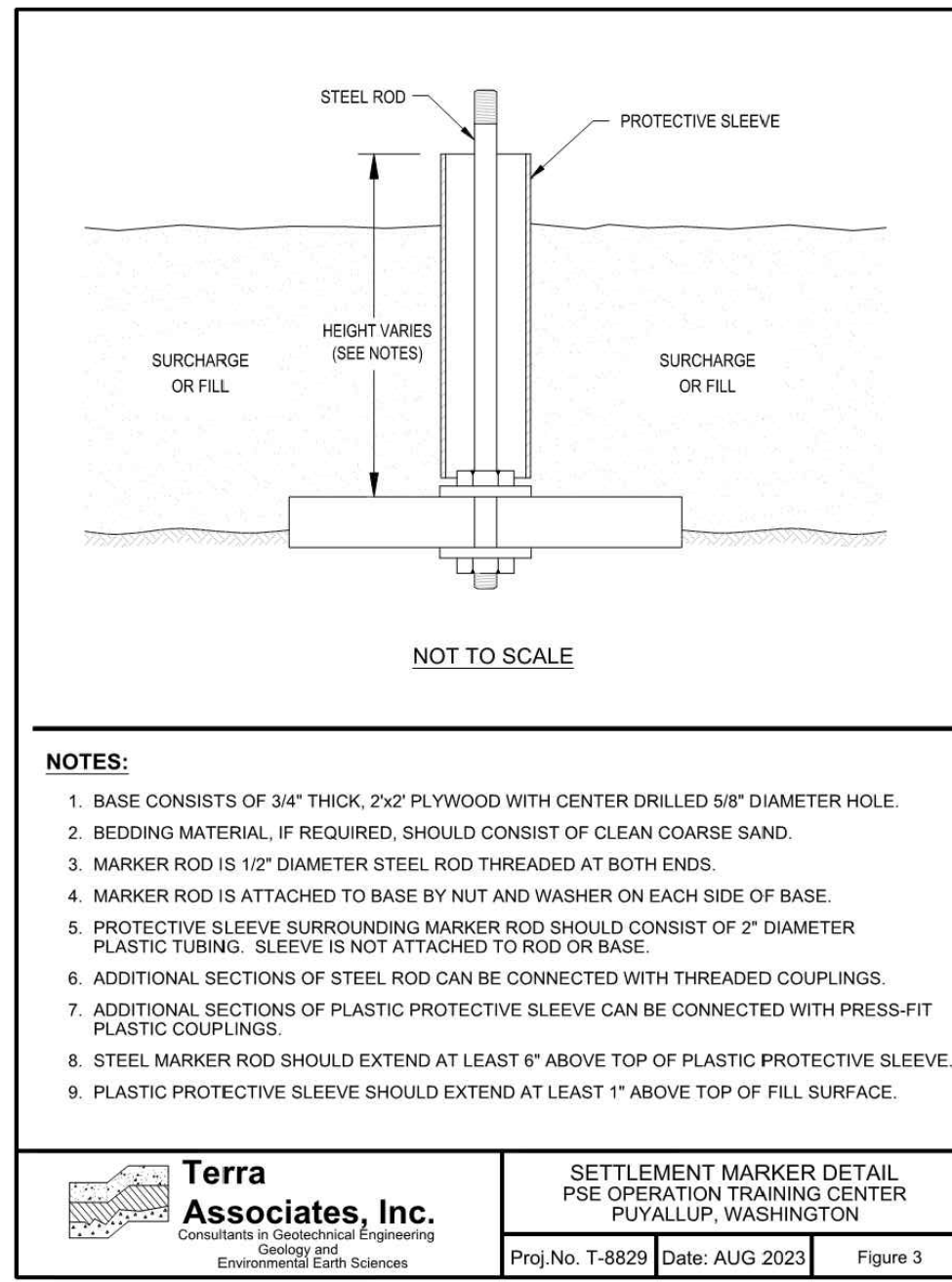


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EXISTING CONDITIONS

PROJECT No:	22219
DRAWN BY:	MPM
CHECKED BY:	THF
DATE ISSUED:	04/26/2024

CFG2



TESC NOTES:

1. A COPY OF THE APPROVED TESC PLAN MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
2. APPROVAL OF THIS TEMPORARY EROSION & SEDIMENTATION CONTROL (TESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT STRUCTURES, DRIVEWAYS OR DRAINAGE DESIGN (E.G., SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, RETENTION FACILITIES, UTILITIES, ETC.).
3. THE IMPLEMENTATION OF THIS TESC PLAN AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT AND UPGRADING OF THESE TESC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED.
4. THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED IN THE FIELD PRIOR TO CONSTRUCTION. DURING CONSTRUCTION, NO DISTURBANCE BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF THE CONSTRUCTION.
5. TESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, UNLESS REVISED BY A CERTIFIED EROSION AND SEDIMENT CONTROL LEAD. TESC FACILITIES SHALL BE INSTALLED IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT LADEN WATER DOES NOT ENTER DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER STANDARDS.
6. THE TESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE TESC FACILITIES SHALL BE UPGRADED (E.G., ADDITIONAL SUMPS, RELOCATION OF DITCHES AND SILT FENCES, ETC.) AS NEEDED FOR UNEXPECTED STORM EVENTS.
7. THE TESC FACILITIES SHALL BE INSPECTED DAILY BY THE CESCL AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTION.
8. ANY AREA NEEDING TESC MEASURES, NOT REQUIRING IMMEDIATE ATTENTION, SHALL BE ADDRESSED WITHIN FIFTEEN (15) DAYS.
9. THE TESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN 24 HOURS FOLLOWING A STORM EVENT THAT PRODUCES RUNOFF FROM THE SITE.
10. WASH PADS MAY BE NECESSARY TO ENSURE PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
11. MULCHING OF ANY TYPE SHALL BE INSTALLED PER THE RATES AND STANDARDS PRESENTED IN VOL. II, TABLE II-3.6; MULCH STANDARDS AND GUIDELINES OF THE STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON, 2019 EDITION BY DEPARTMENT OF ECOLOGY.
12. ALL WORK AND MATERIAL SHALL BE IN ACCORDANCE WITH WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS AND CITY OF PUYALLUP STANDARDS.
13. EROSION & SEDIMENTATION CONTROL FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAILS ON THIS PLAN. LOCATIONS MAY BE MOVED TO SUIT FIELD CONDITIONS, SUBJECT TO APPROVAL BY THE CONTRACTOR'S CESCL OR ENGINEER OF RECORD.
14. COVER ALL DIRT/TOPSOIL PILES WITH PLASTIC SHEETING (BMP C123) DURING CONSTRUCTION WHEN NOT IN USE.
15. NETS AND/OR EROSION CONTROL BLANKETS (BMP C122) MAY BE USED IN LIEU OF TEMPORARY MULCHING.
16. CONSTRUCTION SCHEDULE - PENDING APPROVAL OF PLANS FROM CITY OF PUYALLUP.
17. ADDITIONAL BMPs MAY BE USED OR REQUIRED AS CONDITIONS WARRANT. BMPs SHALL BE INSTALLED PER RECOMMENDATIONS IN THE DOE STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON, CURRENT EDITION.

EARTHWORK QUANTITIES

CUT: 5,588 CY (TO BE PLACED AS SURCHARGE FILL)
 FILL: 9,952 CY (TO BE SOURCED FROM ON-SITE CUT MATERIAL OR IMPORT GRAVEL BORROW FROM LOCAL APPROVED GRAVEL PIT)

SOIL STABILIZATION NOTE

EXPOSED AREAS AND SOIL STOCKPILES MUST BE STABILIZED ACCORDING TO THE FOLLOWING SCHEDULE:

1. FROM APRIL TO OCTOBER 31 ALL DISTURBED AREAS AT FINAL GRADE AND ALL EXPOSED AREAS THAT ARE SCHEDULED TO REMAIN UNWORKED FOR MORE THAN 30 DAYS SHALL BE STABILIZED WITHIN 10 DAYS.
2. FROM NOVEMBER 1 TO MARCH 31 ALL EXPOSED SOILS AT FINAL GRADE SHALL BE STABILIZED IMMEDIATELY USING PERMANENT OR TEMPORARY MEASURES. EXPOSED SOILS WITH AN AREA GREATER THAN 5,000 SQUARE FEET THAT ARE SCHEDULED TO REMAIN UNWORKED FOR MORE THAN 24 HOURS AND EXPOSED AREAS OF LESS THAN 5,000 SQUARE FEET THAT WILL REMAIN UNWORKED FOR MORE THAN SEVEN (7) DAYS SHALL BE STABILIZED IMMEDIATELY.

ALL DISTURBED AREAS WHICH ARE NOT PLANNED TO BE CONSTRUCTED ON WITHIN 90 DAYS FROM TIME OF CLEARING AND GRADING SHALL BE REVEGETATED WITH THE NATIVE VEGETATION.

TESC CONTRACTOR RESPONSIBILITY

1. TEMPORARY EROSION CONTROL BMPs SHOWN IN THESE PLANS ARE THE MINIMUM NECESSARY FOR PERMIT APPROVALS. ADDITIONAL BMPs MAY BE REQUIRED DURING THE COURSE OF CONSTRUCTION. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR ADDITIONAL BMPs OR BMP MAINTENANCE THAT MAY BE REQUIRED DURING CONSTRUCTION.
2. THIS PROJECT WILL DISTURB MORE THAN ONE ACRE OF SOIL AND WILL REQUIRE A NATIONAL DISCHARGE ELIMINATION SYSTEM (NPDES) CONSTRUCTION GENERAL PERMIT FROM WASHINGTON DOE. THE DEVELOPER WILL OBTAIN THE NPDES PERMIT AND WILL TRANSFER THE PERMIT TO THE CONTRACTOR PRIOR TO CONSTRUCTION.
3. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS IN THE NPDES PERMIT. THE CONTRACTOR SHALL PREPARE AND MAINTAIN AN EROSION CONTROL LOG BOOK IN ACCORDANCE WITH NPDES PERMIT REQUIREMENTS. NO ADDITIONAL COMPENSATION WILL BE MADE FOR BMP MAINTENANCE OR REPAIRS THAT RESULT FROM COMPLIANCE WITH THE NPDES PERMIT. LIKEWISE, ANY ADDITIONAL BMPs THAT MAY BE REQUIRED FOR COMPLIANCE WITH THE NPDES PERMIT DURING CONSTRUCTION SHALL BE IMPLEMENTED AT THE CONTRACTOR'S EXPENSE.

TESC LEGEND

VEG	WSDOE BMP C101 PRESERVING NATURAL VEGETATION	A	CF64
CE	WSDOE BMP C105 STABILIZED CONSTRUCTION EXIT		
PK	WSDOE BMP C107 PARKING AREA STABILIZATION		
PS	WSDOE BMP C120 TEMPORARY AND PERMANENT SEEDING		
MU	WSDOE BMP C121 MULCHING		
PC	WSDOE BMP C123 PLASTIC COVERING		
DC	WSDOE BMP C140 DUST CONTROL	C	CF64
IP	WSDOE BMP C220 STORM DRAIN INLET PROTECTION		
SF	WSDOE BMP C233 SILT FENCE	B	CF64
---	FORCEMAIN (PUMPED DISCHARGE)		

ZERVAS
 ARCHITECTURE | INTERIOR DESIGN
 zervasgroup.com
 209 Prospect Street
 Bellingham, WA 98225
 360.734.4744

220 West Champion Street, Suite 200 t: 360.650.1408
 Bellingham, WA 98225 f: 360.650.1401

FREELAND & ASSOCIATES

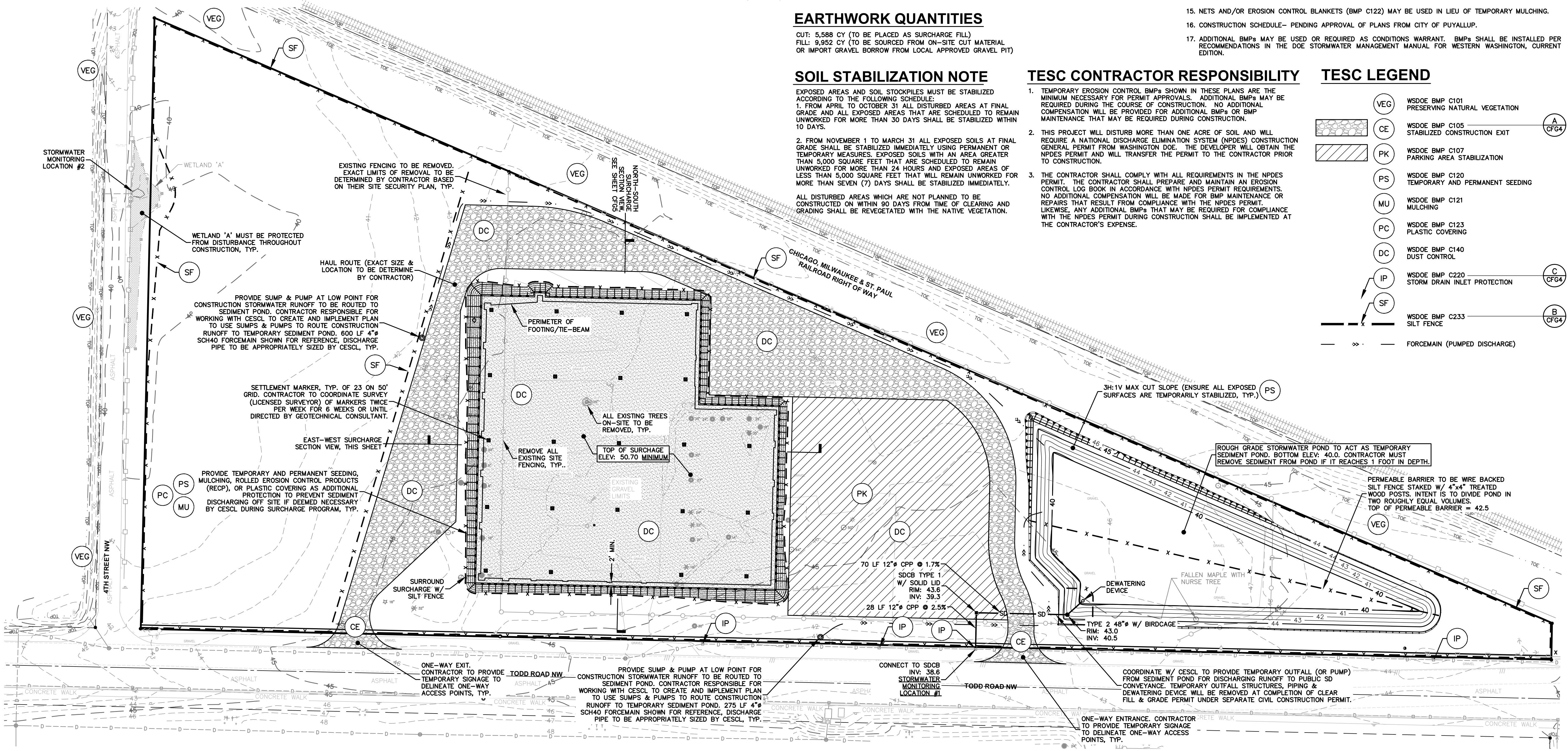
REGISTERED PROFESSIONAL ENGINEER
 WASHINGTON STATE
 49494
 01/21/2024

APPROVED
 By: *Loree D. Holmquist*
 CITY OF PUYALLUP
 DEVELOPMENT ENGINEERING
 DATE: 05/08/2024

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.

City of Puyallup
 Development & Permitting Services
 ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



100% CD SET

REV	ISSUED FOR	DATE

PLAN NORTH TRUE NORTH

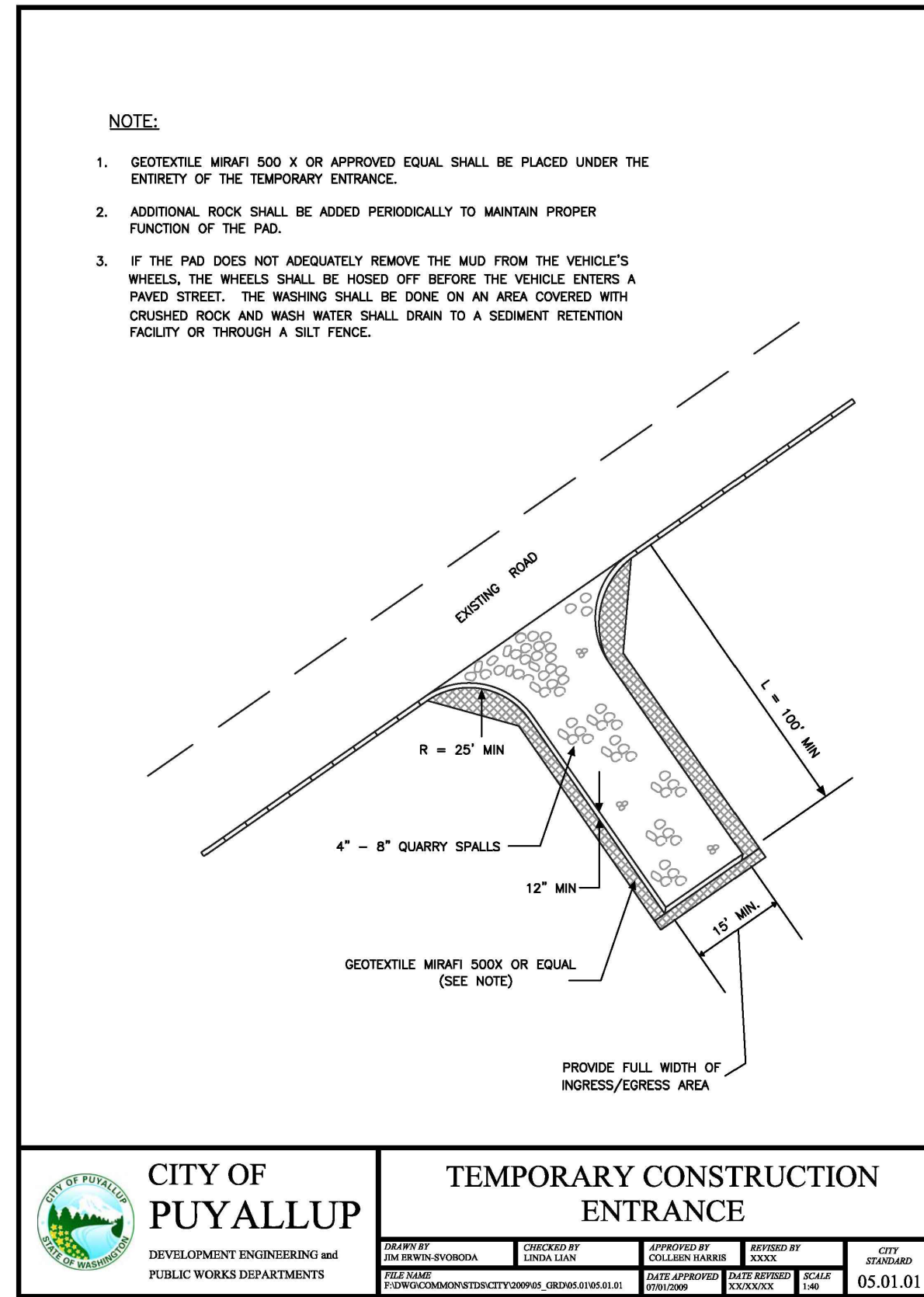
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PSE - OPERATIONAL TRAINING CENTER

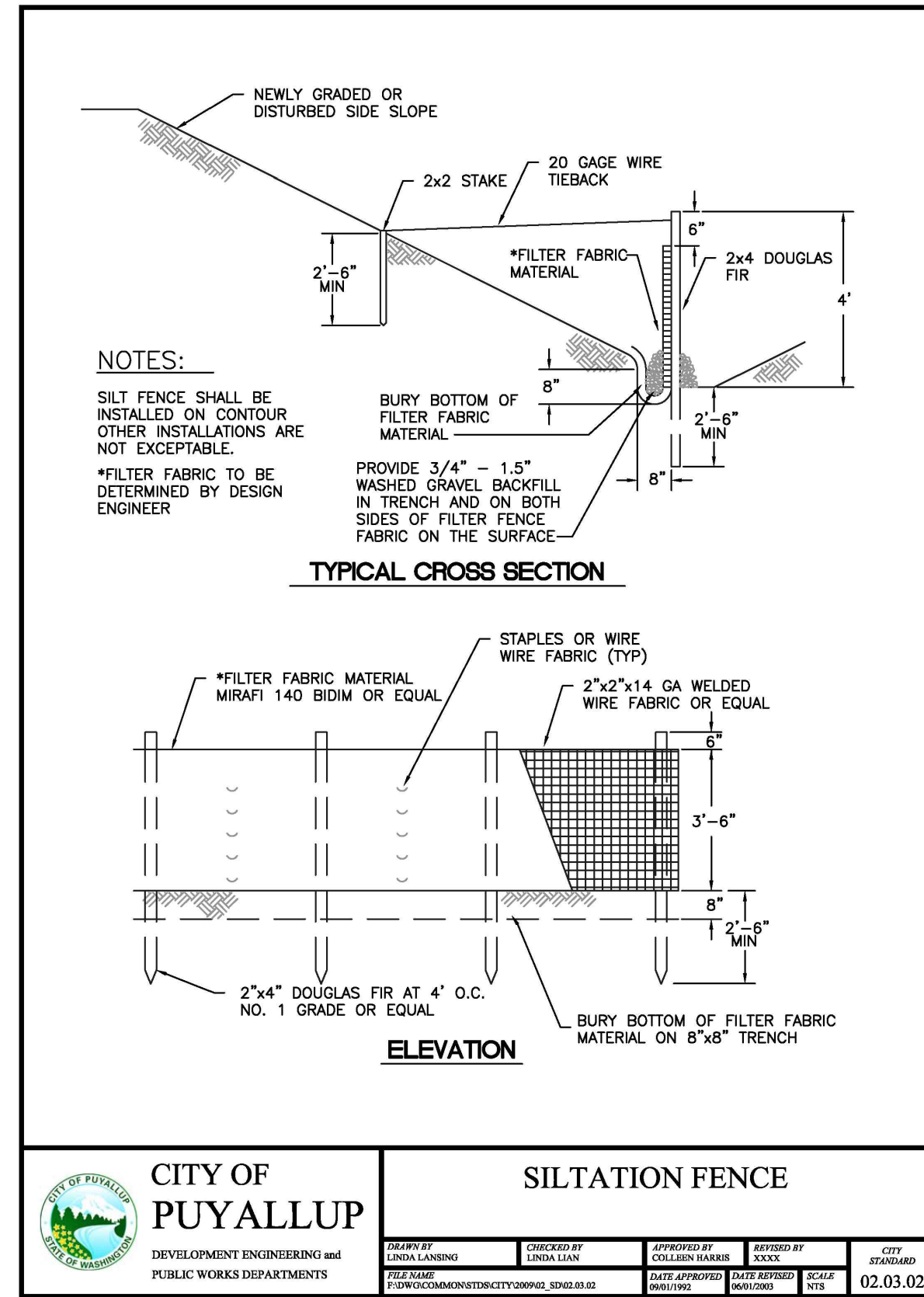
EARLY PHASE TESC & SURCHARGE PLAN

PROJECT No: 22219
 DRAWN BY: MPM
 CHECKED BY: THF
 DATE ISSUED: 04/26/2024

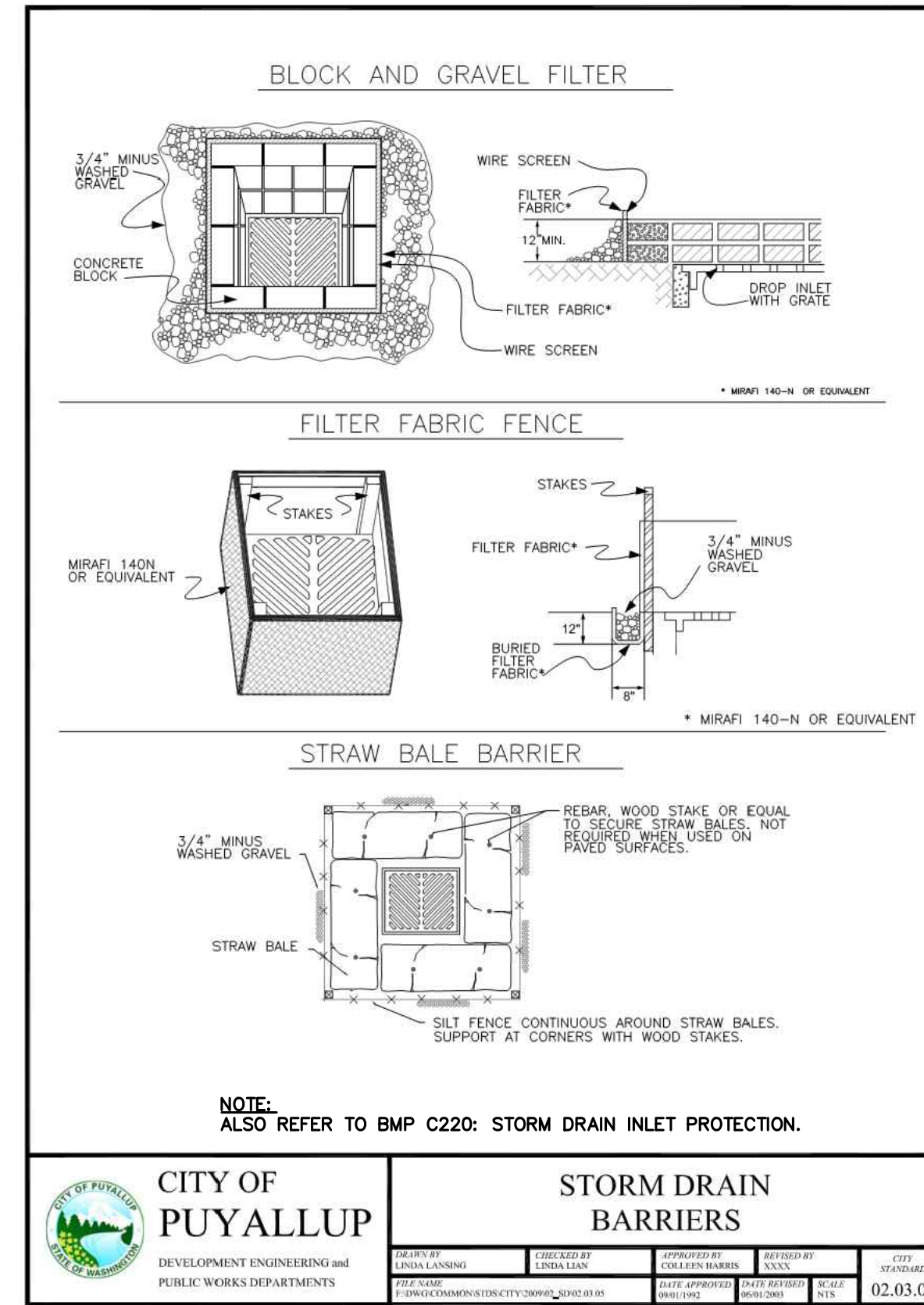
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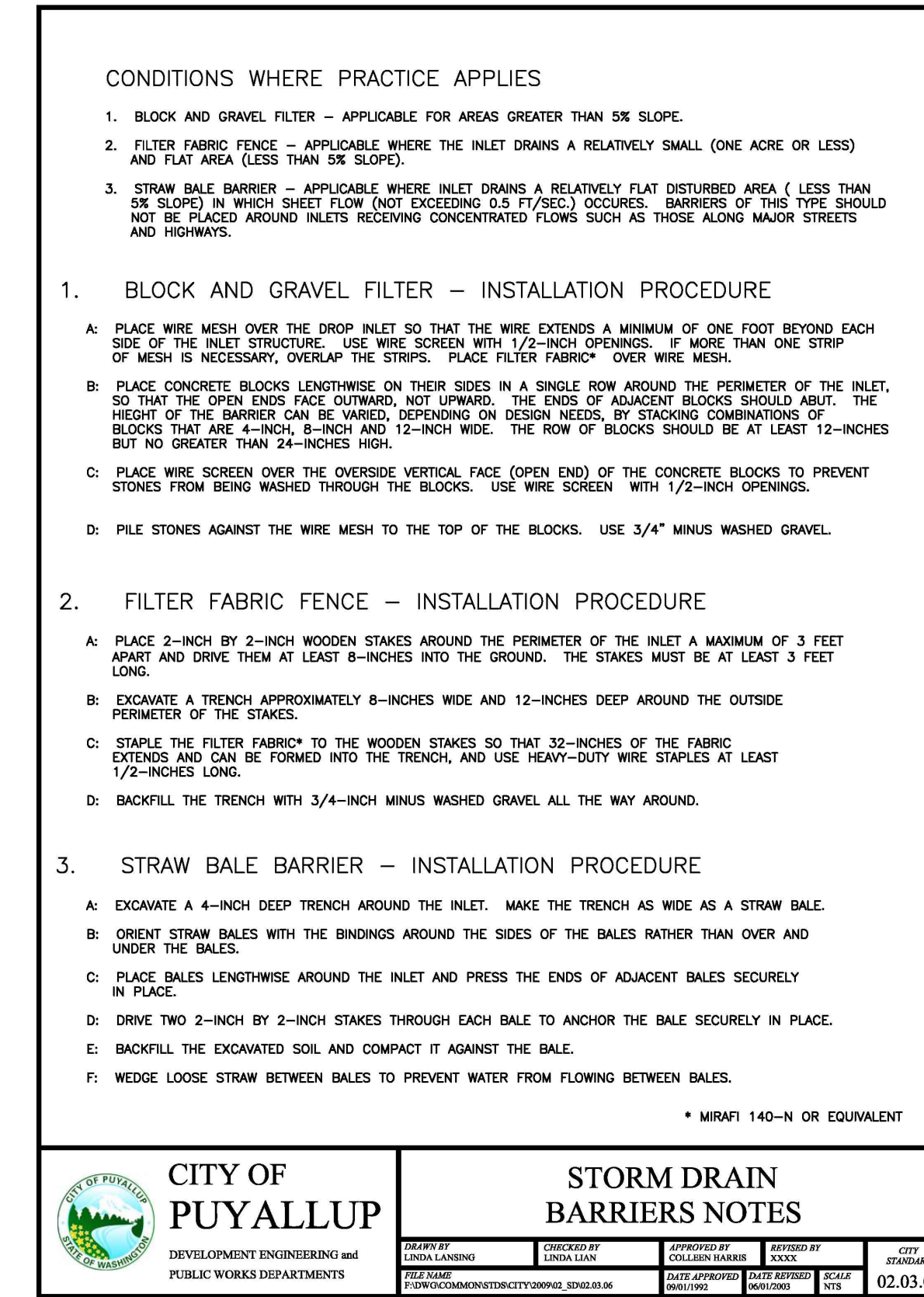
A TEMPORARY CONSTRUCTION ENTRANCE
nts



B SILTATION FENCE
nts



C STORM DRAIN BARRIER
nts

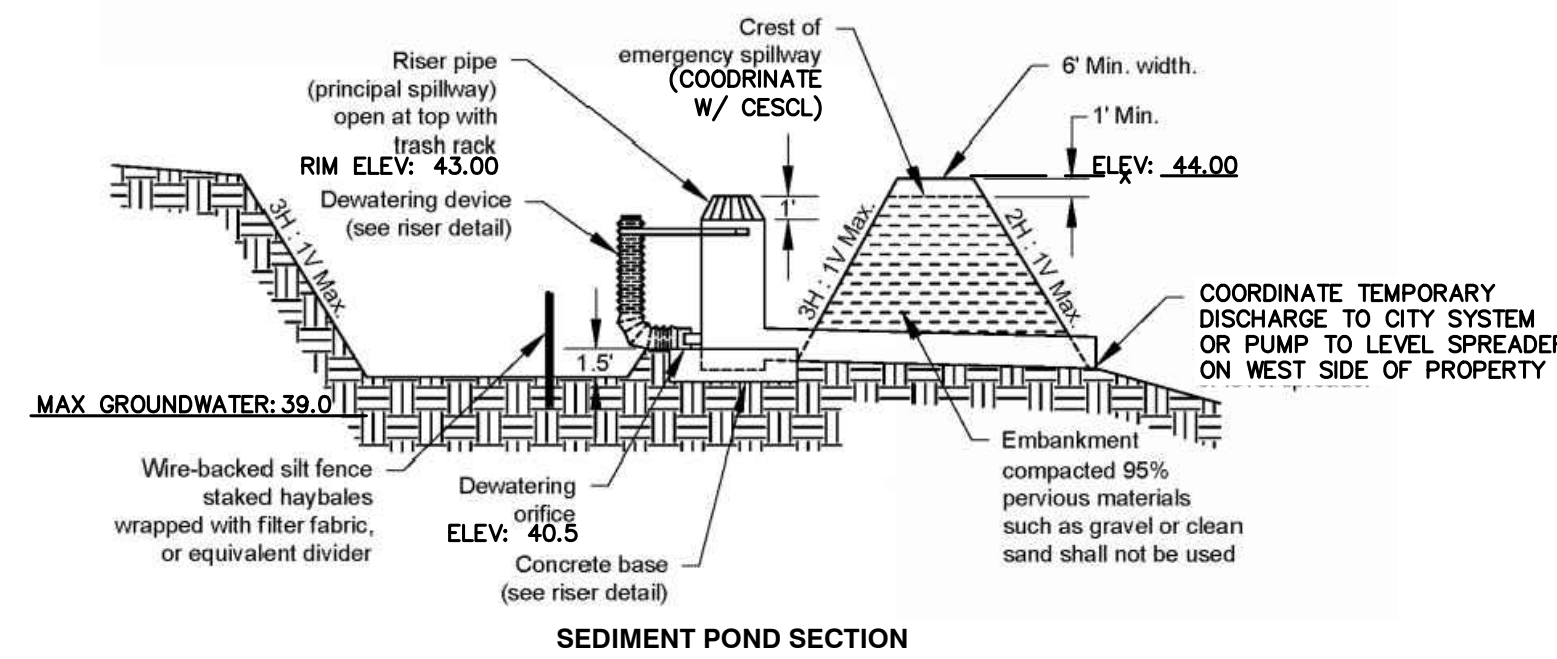


D STORM DRAIN BARRIER NOTES
nts

HYDRO-SEED MIX	%
SEED TYPE	
RED FESCUE (FESTUCA RUBRA)	40%
REDTOP (AGROSTIS ALBA)	40%
WHITE DUTCH CLOVER (TRIFOLIUM REPENS)	20%

- NOTES:**
- THIS SEED MIX IS RECOMMENDED FOR AREAS THAT WILL BE MAINTAINED INFREQUENTLY OR NOT AT ALL AND WHERE COLONIZATION BY NATIVE PLANTS IS DESIRABLE. SEEDING SHALL TAKE PLACE IN SEPTEMBER OR VERY EARLY OCTOBER (PRIOR TO OCT. 10TH).
 - ANY SEEDED AREAS THAT FAIL TO ESTABLISH AT LEAST 80 PERCENT COVER (100 PERCENT COVER FOR AREAS THAT RECEIVE SHEET OR CONCENTRATED FLOWS) SHALL BE RESEED. IF RESEEDING IS INEFFECTIVE, AN ALTERNATE METHOD, SUCH AS SODDING, MULCHING, OR NETS/BLANKETS, SHALL BE USED. IF WINTER WEATHER PREVENTS ADEQUATE GRASS GROWTH, THIS TIME LIMIT MAY BE RELAXED AT THE DISCRETION OF THE LOCAL AUTHORITY WHEN SENSITIVE AREAS WOULD OTHERWISE BE PROTECTED.
 - AFTER ADEQUATE COVER IS ACHIEVED, ANY AREAS THAT EXPERIENCE EROSION SHALL BE RESEED AND PROTECTED BY MULCH. IF THE EROSION PROBLEM IS DRAINAGE RELATED, THE PROBLEM SHALL BE FIXED AND THE ERODED AREA RESEED AND PROTECTED BY MULCH.
 - SEEDED AREAS SHALL BE SUPPLIED WITH ADEQUATE MOISTURE, BUT NOT WATERED TO THE EXTENT THAT IT CAUSES RUNOFF.
 - ALL REMAINING AREAS OF THE TRACT SHALL BE LANDSCAPED AND MULCHED WITH A 3-INCH COVER OF HOG FUEL OR SHREDDED WOOD & BARK MULCH.
 - THE MULCH SHALL BE FREE OF GARBAGE AND WEEDS AND SHALL NOT CONTAIN EXCESSIVE RESIN, TANNIN, OR OTHER MATERIAL DETRIMENTAL TO PLANT GROWTH.

E SLOPE STABILIZATION SEED MIX
nts

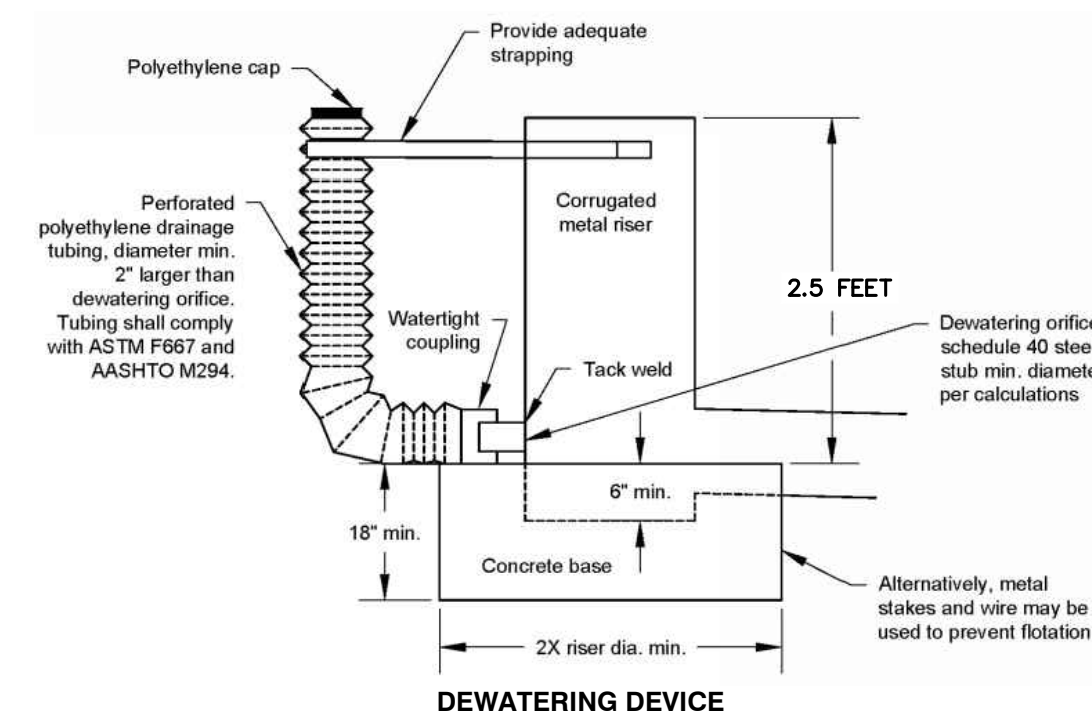


SEDIMENT POND SIZING CALCULATION
PRIOR TO DISCHARGING OFF-SITE STORMWATER MUST PASS THROUGH A SEDIMENT POND OR OTHER SEDIMENT REMOVAL BMP APPROVED BY CESCL. CONTRACTOR MUST COORDINATE WITH CESCL TO DETERMINE EXACT SIZE, LOCATION AND TYPE OF BMP (BAKER TANKS MAY BE USED IN LIEU OF SEDIMENT POND).

POND SURFACE AREA (SA) IS DETERMINED BY:
SA = 2,080 SF PER CFS OF INFLOW
INFLOW = 10 YEAR DEVELOPED FLOW RATE = 2.29 CFS
NOTE: CESCL TO REFER TO PROJECT SPECIFIC STORMWATER SITE PLAN (STORMWATER MODELING INPUT & OUTPUT - FLOW CONTROL CALCULATIONS SECTION) UNDER CITY OF PUYALLUP PERMIT PROC20240215 FOR ADDITIONAL FLOW RATES.
SA = 2,080 x 2.29 = 3,620 SF

THIS CORRESPONDS TO A POND APPROXIMATELY 70 FT X 70 FT WITH 3H:1V SIDE SLOPES AND 3.5 FT STORAGE DEPTH. TOTAL POND VOLUME IS EQUAL TO 12,777 CUBIC FEET OR 95,570 GALLONS.

POND VOLUME SHOWN ON DRAWINGS:
SURFACE AREA = 24,570
RISER HEIGHT = 2.5 FEET
SIDE SLOPES = 3H:1V
STORAGE VOLUME PROVIDED = 50,358 CF (EXCEEDS REQUIRED)



DEWATERING ORIFICE CALCULATION
A₀ = DEWATERING ORIFICE AREA (SQUARE FEET)
A_s = POND SURFACE AREA (SQUARE FEET) = 24,570 SF
h = HEAD OF WATER ABOVE ORIFICE (HEIGHT OF RISER IN FEET) = 2.5 FT
T = DEWATERING TIME (24 HOURS) = 24 HOURS
g = ACCELERATION OF GRAVITY (32.2 FEET/SECOND²) = 32.2
A₀ = A_s(2h)^{0.5} / 0.6*3600T^{0.5}
A₀ = 24,570(2*2.5)^{0.5} / 0.6*3600*24*32.2^{0.5}
A₀ = 54,940 / 294,166 = 0.187 SF

D = DEWATERING ORIFICE DIAMETER (INCHES)
D = 13.53*A₀^{0.5}
D = 13.53*0.187^{0.5}
D = 5.85 INCHES

*NOTE: CESCL TO UPDATE CALCULATION DEPENDING ON EXACT POND SIZE.

F SEDIMENT POND
nts

APPROVED
BY: *Lois D. Holman*
CITY OF PUYALLUP
DEVELOPMENT ENGINEERING
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City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

100% CD SET

REV.	ISSUED FOR	DATE

PLAN NORTH TRUE NORTH

SCALE: 0

PSE - OPERATIONAL TRAINING CENTER

TESC NOTES & DETAILS

PROJECT No: 22219
DRAWN BY: MPM
CHECKED BY: THF
DATE ISSUED: 04/26/2024

CFG4

CITY OF PUYALLUP GENERAL NOTES

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 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 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.

STORMWATER NOTES

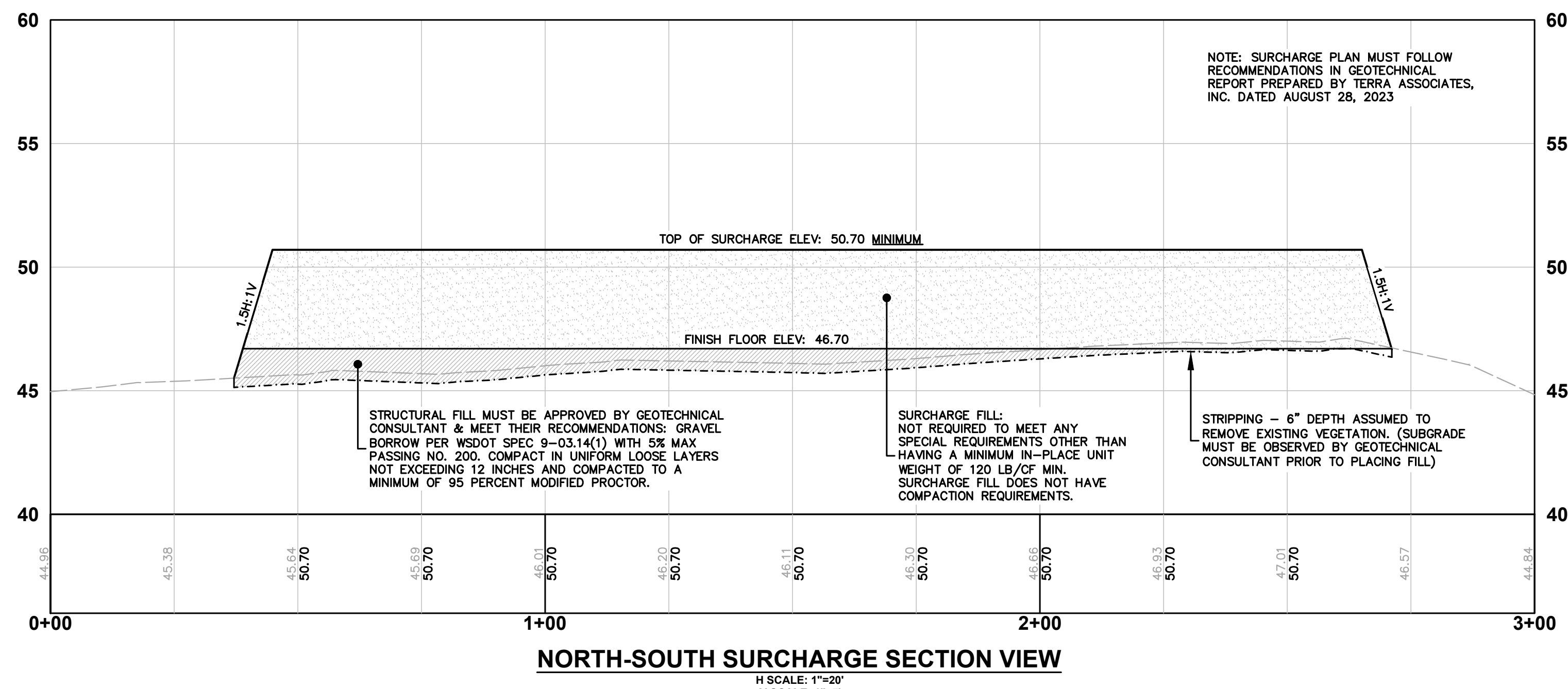
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- ANY STRUCTURE AND/OR OBSTRUCTION WHICH REQUIRES REMOVAL OR RELOCATION RELATING TO THIS PROJECT, SHALL BE DONE SO AT THE DEVELOPER'S EXPENSE.
- DURING CONSTRUCTION, ALL EXISTING AND NEWLY INSTALLED DRAINAGE STRUCTURES SHALL BE PROTECTED FROM SEDIMENTS.
- 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 SHALL CONFORM TO WSDOT STANDARD PLAN B-30.20-04 (OLYMPIC FOUNDRY NO. SM60 OR EQUAL). VANE 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 F2738 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.

ROADWAY 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.
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- 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 REQUIRES REMOVAL OR RELOCATION RELATING TO THIS PROJECT, SHALL BE DONE SO AT THE DEVELOPER'S EXPENSE.
- MONUMENTS SHALL BE INSTALLED AT ALL STREET INTERSECTIONS, AT ANGLE POINTS, AND POINTS OF CURVATURE IN EACH STREET. ALL BOUNDARY MONUMENTS MUST BE INSTALLED ACCORDING TO THE WASHINGTON STATE SUBDIVISION LAWS.
- CURB AND GUTTER INSTALLATION SHALL CONFORM TO CITY STANDARD DETAIL 01.02.09.
- SIDEWALKS AND DRIVEWAYS SHALL BE INSTALLED AS LOTS ARE BUILT ON. SIDEWALKS AND DRIVEWAYS SHALL CONFORM TO CITY STANDARD DETAIL 01.02.01, 01.02.02 AND 01.02.12. IF ASPHALT IS DAMAGED DURING REPLACEMENT OF CURB AND GUTTER, THE REPAIR SHALL CONFORM TO CITY STANDARD DETAIL 01.02.10.
- THE SURROUNDING GROUND (5 FEET BEYOND THE BASE) FOR ALL POWER TRANSFORMERS, TELEPHONE/TV PEDESTALS, AND STREET LIGHT MAIN DISCONNECTS SHALL BE GRADED TO A POSITIVE 2 PERCENT SLOPE FROM TOP OF CURB.
- SIGNAGE AND TRAFFIC CONTROL DEVICES ARE SAFETY ITEMS AND SHALL BE INSTALLED PRIOR TO ISSUANCE OF ANY CERTIFICATE OF OCCUPANCY OR PLAT APPROVAL. HOWEVER, IN LARGER DEVELOPMENTS, EXACT LOCATIONS OF STOP AND YIELD SIGNS MAY NEED TO BE DETERMINED AFTER FULL BUILDOUT WHEN TRAFFIC PATTERNS HAVE BEEN ESTABLISHED. IN THIS CASE, CONTRACTOR SHALL PROVIDE INDICATED "CITY-PLACED" SIGNS, SIGNPOSTS, AND BRACKETS TO THE CITY SIGN SPECIALIST (253) 841-5471 FOR LATER INSTALLATION BY THE CITY. ALL SIGNAGE SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- PRIOR TO ANY SIGN OR STRIPING INSTALLATION OR REMOVAL THE CONTRACTOR SHALL CONTACT THE CITY SIGN SPECIALIST (253) 841-5471 TO ARRANGE FOR AN ON-SITE MEETING TO DISCUSS PLACEMENT AND UNIFORMITY.
- NEW OR REVISED STOP SIGNS OR YIELD SIGNS SHALL BE ADVANCE WARNED USING THE PROCEDURE OUTLINED IN THE MUTCD. ADVANCE WARNING SIGNS AND FLAGS SHALL BE MAINTAINED BY INSTALLER FOR 30 DAYS AND THEN REMOVED.

GENERAL NOTES

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- 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.
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- 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.

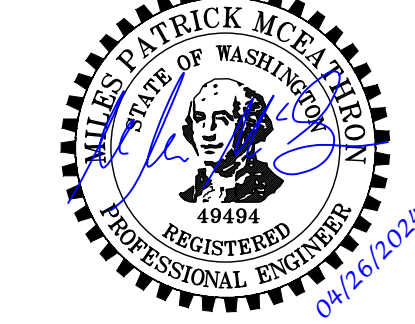


NORTH-SOUTH SURCHARGE SECTION VIEW
H SCALE: 1"=20'
V SCALE: 1"=5'

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FREELAND & ASSOCIATES



APPROVED
By *Loree D. Holman*
CITY OF PUYALLUP
DEVELOPMENT ENGINEERING
DATE: **05/08/2024**

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.

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

100% CD SET

REV	ISSUED FOR	DATE

PLAN NORTH TRUE NORTH

SCALE:

PSE - OPERATIONAL TRAINING CENTER

GENERAL NOTES & SECTION VIEW

PROJECT No:	22219
DRAWN BY:	MPM
CHECKED BY:	THF
DATE ISSUED:	04/26/2024

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