

The 7th St NW commercial driveway does not meet sight distance requirements for outbound vehicle movements. The proposed use of this driveway is to serve in-bound vehicles only. Commercial access must restrict outbound movements in perpetuity at this location. This restriction will be a condition of approval.

PORTION OF THE NE1/4 OF SEC. 21, TWP. 20 N., RGE 4 E., W. M.
CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON

SITE IMPROVEMENT PLANS CIVIL COVER SHEET

CONSTRUCTION SEQUENCE:

- HOLD A PRECONSTRUCTION MEETING WITH THE CITY AND OBTAIN REQUIRED PERMITS.
- INSTALL CATCH BASIN INLET PROTECTION AND OTHER EROSION CONTROL DEVICES AS SHOWN.
- INSTALL TEMPORARY TREE PROTECTION FENCING.
- SCHEDULE AN EROSION CONTROL INSPECTION WITH THE CITY.
- 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.
- GRADE SITE AND INSTALL UTILITIES PER PLANS.
- INSTALL PAVING.
- INSPECT AND MAINTAIN ALL BMP'S UNTIL SITE IS STABILIZED.

SURVEY DATA:

HORIZONTAL DATUM:
WASHINGTON STATE PLANE COORDINATE SYSTEM, NORTH ZONE NAD 83/91

BASIS OF BEARINGS:
NORTH 51°55'28" WEST, AS MEASURED BETWEEN WSDOT MONUMENTS ID 3194 (GP27167-76) AND 3193 (GP27167-75).

VERTICAL DATUM:
NAVD83

VERTICAL BENCHMARK:
WSDOT MONUMENT ID 3194 (GP27167-76), BEING THE TOP OF A FOUND 3" BRASSIE IN CONCRETE, APPROXIMATELY 14' WEST OF THE WEST EDGE OF FREEMAN ROAD AT SW QUADRANT OF INTERSECTION WITH RAILROAD ELEV.=30.17 US FEET

ADDRESS:
2200 N MERIDIAN, PUYALLUP, WA 98371

TAX PARCEL NUMBER:
0420215004

REFERENCE SURVEYS:
R.O.S., REC. NO. 200709255006
R.O.S., REC. NO. 9906075005
CITY OF PUYALLUP SP 94-81-005, REC. NO. 9405100543

DATE OF SURVEY:
THIS SURVEY REPRESENTS VISIBLE PHYSICAL IMPROVEMENT CONDITIONS EXISTING ON JANUARY 8, 2023. ALL SURVEY CONTROL INDICATED AS "FOUND" WAS RECOVERED FOR THIS PROJECT IN JANUARY OF 2023.

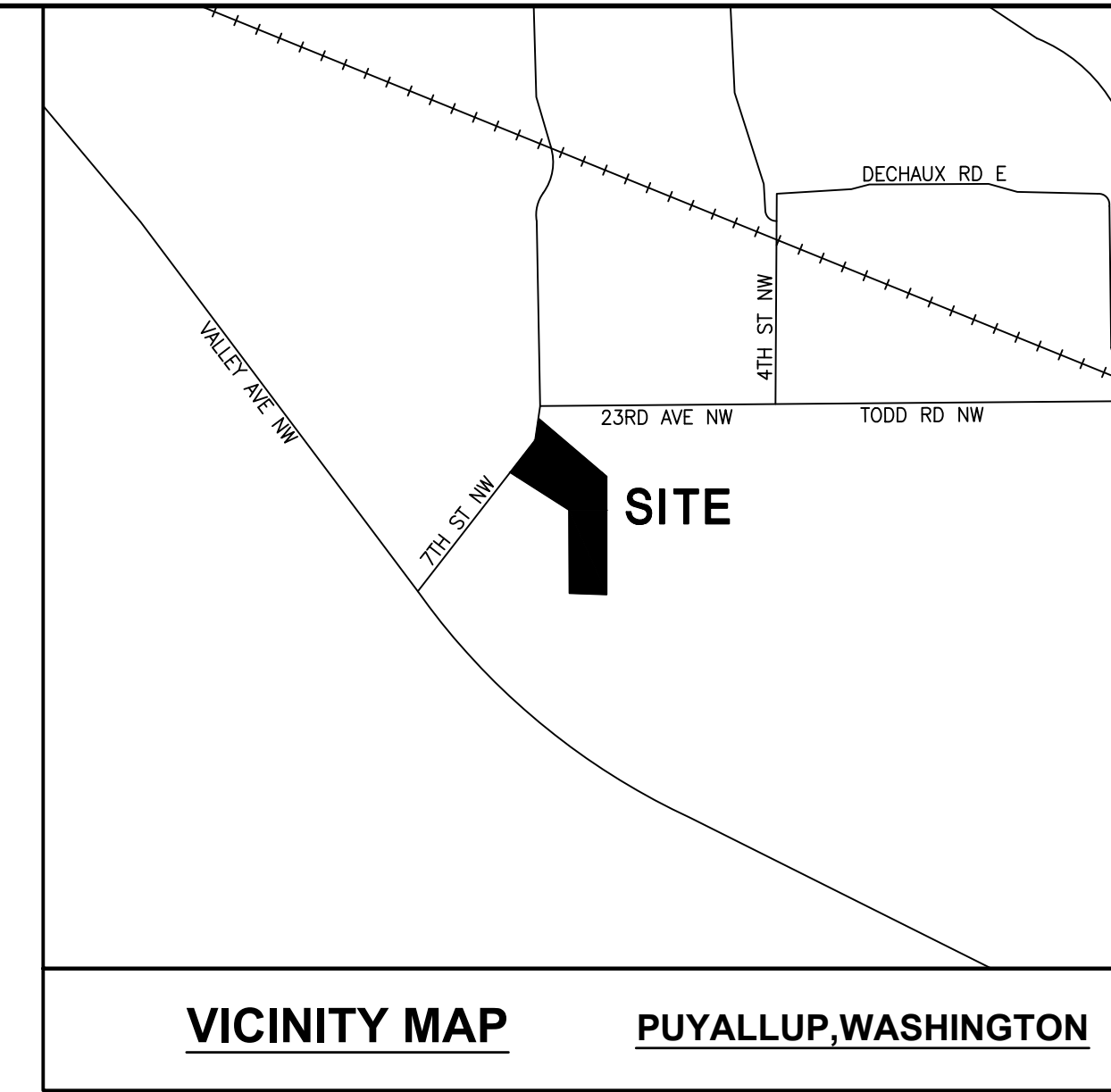
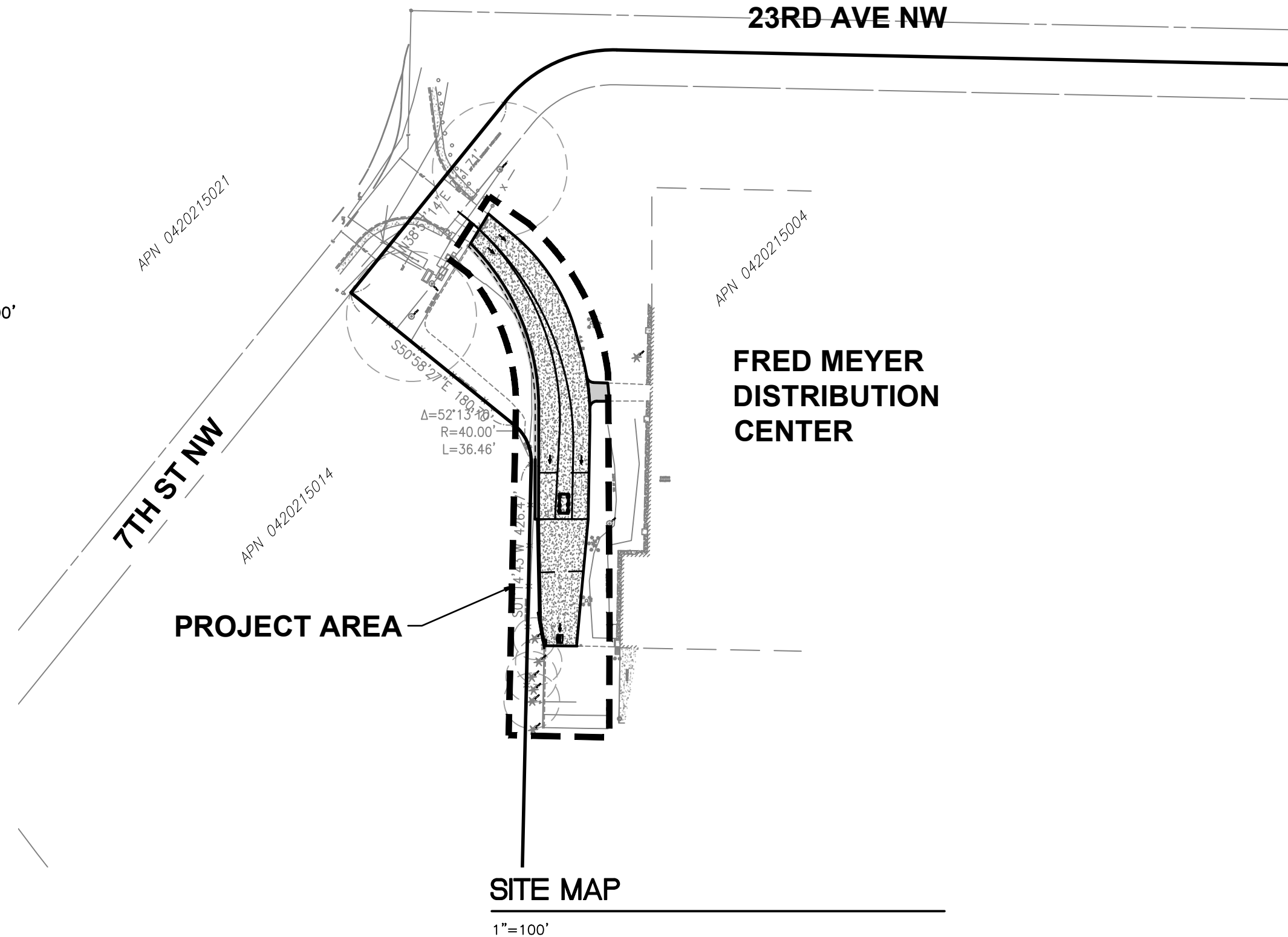
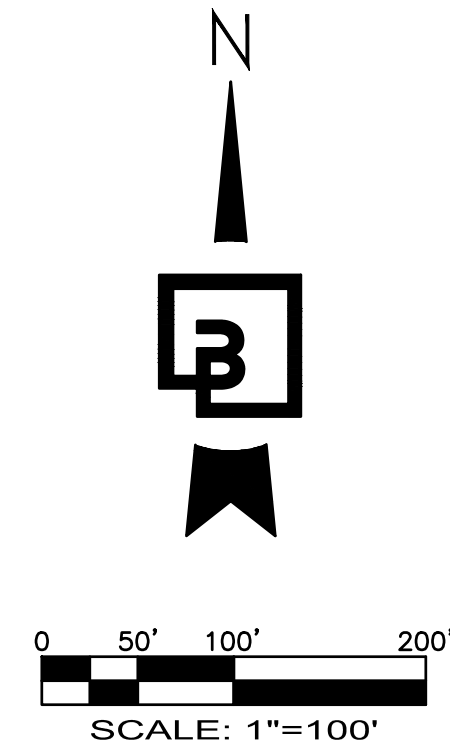
HORIZONTAL CONTROL / SURVEY NOTE:

- CONTRACTOR SHALL OBTAIN SERVICES OF A LICENSED LAND SURVEYOR TO STAKE HORIZONTAL AND VERTICAL CONTROL FOR ALL NEW IMPROVEMENTS. CONTRACTOR SHALL CONTACT BARGHAUSEN CONSULTING ENGINEERS, INC. TO OBTAIN ELECTRONIC CAD FILES FOR STAKING PURPOSES.
- UNDERGROUND UTILITIES AND FEATURES DEPICTED HEREON ARE BASED ON FIELD OBSERVATION, MARKINGS, DEVELOPMENT PLANS, AND/OR BEST AVAILABLE RECORD DOCUMENTS ONLY. CONTRACTOR SHALL FIELD VERIFY SIZE AND TYPE OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF BARGHAUSEN CONSULTING ENGINEERS, INC. PRIOR TO WORK.

SOILS REPORT NOTES

- THE FOLLOWING SOILS REPORTS/ASSESSMENTS WERE PREPARED FOR THE SITE:
A. GEOTECHNICAL EXPLORATION AND RECOMMENDATION, REPORT NO. 2017-206-2 FRED MEYER DISTRIBUTION CENTER
2200 NORTH MERIDIAN
PUYALLUP, WASHINGTON

PREPARED BY:
THE RILEY GROUP
17522 BOTHELL WAY NORTHEAST
BOTHELL, WASHINGTON 98011
PH: 425.415.0551
DATED APRIL 9, 2024
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL PROVISIONS OF THE SOILS REPORT FOR THE SITE BE OBSERVED AND COMPLIED WITH DURING ALL PHASES OF THE SITE PREPARATION, GRADING OPERATIONS, AND PAVING CONSTRUCTION.
- ANY PROVISIONS OF THE SOILS REPORT WHICH CONFLICT WITH INFORMATION SHOWN ELSEWHERE ON THESE DRAWINGS, OR WHICH REQUIRE FURTHER CLARIFICATION, SHALL BE BROUGHT TO THE ATTENTION OF BARGHAUSEN ENGINEERS.
- A REPRESENTATIVE FOR THE SOILS ENGINEER SHALL OBSERVE AND APPROVE THE EARTHWORK OPERATIONS AND TO VERIFY FIELD CONDITIONS AS WORK PROCEEDS. THE SOILS ENGINEER SHALL SUBMIT FIELD REPORTS CERTIFYING THAT THE METHODS AND MATERIALS OF THE EARTHWORK OPERATIONS WERE IN ACCORDANCE WITH THE RECOMMENDATION OF THE SOILS INVESTIGATION AND THAT THE WORK WAS PERFORMED TO THE SATISFACTION OF THE ENGINEER. THE CONTRACTOR SHALL MAKE ALL PROVISIONS FOR SOILS INSPECTIONS AS RECOMMENDED WITHIN SOILS REPORT. AS A MINIMUM, THIS INCLUDES THE OBSERVATION OF THE FOLLOWING BY A SOILS ENGINEER:
a. EXCAVATION TO REMOVE THE SILT AND FILL FROM THE PROPOSED PAVING LIMITS.
b. SUBGRADE PREPARATION OF PAVEMENT SECTION,
c. SUITABLE REUSE OF EXISTING ONSITE SOILS.
- THE CONTRACTOR SHALL QUALIFY ANY LIMITATIONS TO SOILS INSPECTIONS WITHIN BID PROPOSAL.



VICINITY MAP PUYALLUP, WASHINGTON

SITE ADDRESS

2200 N MERIDIAN
PUYALLUP, WA 98371

INDEX OF SHEETS:

- C1 CIVIL COVER SHEET
- C2 GENERAL NOTES
- C3 DEMOLITION/TESC PLAN
- C4 SITE PLAN
- C5 GRADING AND STORM DRAINAGE PLAN
- C6 CONSTRUCTION DETAILS
- C7 CONSTRUCTION DETAILS

TAX PARCEL NUMBER

0420215004

ZONING

ML - LIMITED MANUFACTURING

OWNER/APPLICANT

DOUG HARDY
WEST REGION ENGINEER - KROGER LOGISTICS
MAINTENANCE & ENGINEERING
2201 SOUTH WILMINGTON AVE.
COMPTON, CA 90220

CIVIL ENGINEER:

BARGHAUSEN CONSULTING ENGINEERS
18215 72ND AVENUE SOUTH
KENT, WA 98032
(425) 251-6222
RYAN LEE
EMAIL: rlee@barghausen.com

GEOTECHNICAL ENGINEER:

THE RILEY GROUP, LLC.
17522 BOTHELL WAY NE
BOTHELL, WA 98011
(425) 415-0551
ERIC L. WOODS, LG
EMAIL: ewoods@riley-group.com

SITE SURVEYOR:

BARGHAUSEN CONSULTING ENGINEERS
18215 72ND AVENUE SOUTH
KENT, WA 98032
(425) 251-6222
RYAN LEE
EMAIL: rlee@barghausen.com

PROJECT INFO:

TOTAL SITE AREA= 346,555 SF
TOTAL IMPERVIOUS AREA= 289,069 SF (83.4%)
TOTAL PERVIOUS AREA= 57,486 SF (16.6%)

UTILITIES/SERVICES

STORM/SEWER/WATER:
CITY OF PUYALLUP WATER DIVISION
1100 39TH AVE. SE
PUYALLUP, WA 98374
(253) 841-5505

GAS:
PUGET SOUND ENERGY
8001 SOUTH 212TH STREET
KENT, WA 98032
(253) 395-7065

POWER:
PUGET SOUND ENERGY
8001 SOUTH 212TH STREET
KENT, WA 98032
(253) 395-7065



ESTIMATED EARTHWORK VOLUMES:

(FOR PERMITTING ONLY. NOT FOR BID PURPOSES)

CUT/EXPORT = 800 CY
FILL/IMPORT = 800 CY
TOTAL EARTHWORK = 1600 CY

IMPERVIOUS SURFACE CALCULATIONS:

DISTURBED AREA = 16,000 SF
EXISTING AND NEW IMPERVIOUS AREA = 16,000 SF
PERVIOUS AREA REMOVED/
CONVERTED TO IMPERVIOUS AREA = 2,035 SF

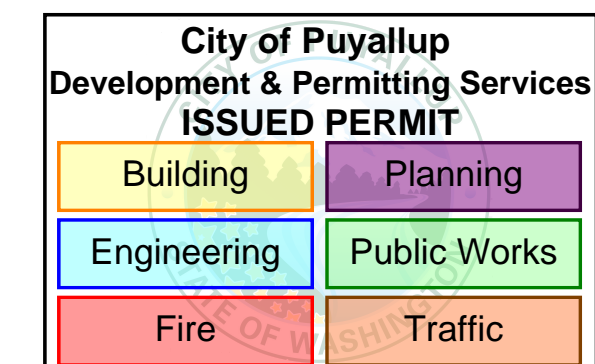
UTILITY CONFLICT NOTE:

CAUTION:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POT-HOLING THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE @ 811 AND THEN POT-HOLING. ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. LOCATIONS OF SAID UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON THE UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT BARGHAUSEN CONSULTING ENGINEERS, INC. TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.

CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR OBTAINING PERMITS FROM THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES FOR REMOVING AND REPLACING ALL SURVEY MONUMENTATION THAT MAY BE AFFECTED BY CONSTRUCTION ACTIVITY. PURSUANT TO WAC 332-120, APPLICATIONS MUST BE COMPLETED BY A REGISTERED LAND SURVEYOR. APPLICATIONS FOR PERMITS TO REMOVE MONUMENTS MAY BE OBTAINED FROM THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES, OR BY CONTACTING THEIR OFFICE BY TELEPHONE AT (360) 902-1190.

WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES
PUBLIC LAND SURVEY OFFICE
801 88th AVE S.E.
OLYMPIA, WASHINGTON 98501-7019

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



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NOTES AND LEGEND

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.
A. THE USE OF ANY OTHER TYPE SHALL BE REVIEWED AND APPROVED BY THE ENGINEERING SERVICES STAFF PRIOR TO INSTALLATION.
B. PVC PIPE SHALL BE PER ASTM D3034, SDR 35 FOR PIPE SIZE 15-INCH AND SMALLER AND F679 FOR PIPE SIZES 18 TO 27 INCH. MINIMUM COVER ON PVC PIPE SHALL BE 3.0 FEET.
C. CONCRETE PIPE SHALL CONFORM TO THE WSDOT STANDARD SPECIFICATIONS FOR CONCRETE UNDERDRAIN PIPE. MINIMUM COVER ON CONCRETE PIPE SHALL NOT BE LESS THAN 3.0 FEET.
D. DUCTILE IRON PIPE SHALL BE CLASS 50, CONFORMING TO AWWA C151. MINIMUM COVER ON DUCTILE IRON PIPE SHALL BE 1.0 FOOT.
E. POLYPROPYLENE PIPE (PP) SHALL BE DUAL WALLED, HAVE A SMOOTH INTERIOR AND EXTERIOR CORRUGATIONS AND MEET WSDOT 9-05.24(1). 12-INCH THROUGH 30-INCH PIPE SHALL MEET OR EXCEED ASTM F2736 AND AASHTO M330, TYPE S, OR TYPE D. 36-INCH THROUGH 60-INCH PIPE SHALL MEET OR EXCEED ASTM F2881 AND AASHTO M330, TYPE S, OR TYPE D. TESTING SHALL BE PER ASTM F1417. MINIMUM COVER OVER POLYPROPYLENE PIPE SHALL BE 3-FEET.
- 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.

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.

GENERAL SITE NOTES:

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

No.	Date	By	Chk.	Appr.	Revised Per City Comments
3	04/18/25	DL	JSG		
2	01/07/25	DL	JSG		

Revision

Title:

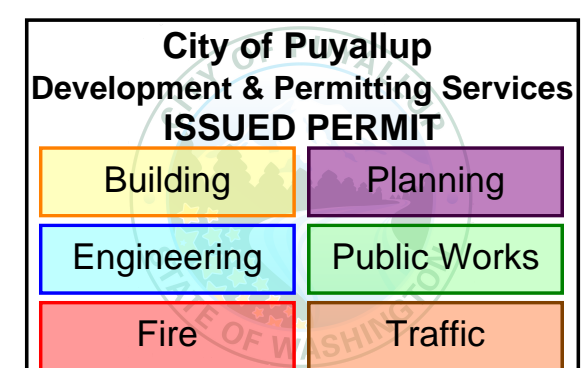
DOUG HARDY
WEST REGION ENGINEER
KROGER LOGISTICS
MAINTENANCE & ENGINEERING
2201 SOUTH WILMINGTON AVE.
COMPTON, CA 90220

For:



Scale:	Horizontal	Vertical
	NA	N/A

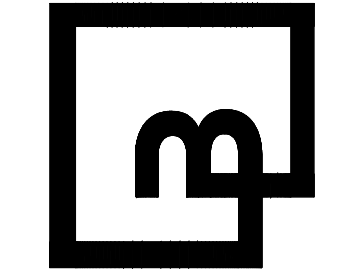
Designed	DL	Date	2/16/24
Drawn	RDC		
Checked	DL		
Approved	JGH		



APPROVED
BY: Jeff Meyer
CITY OF PUYALLUP
ENGINEERING SERVICES
DATE: 05/29/2025

NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE CITY ENGINEER

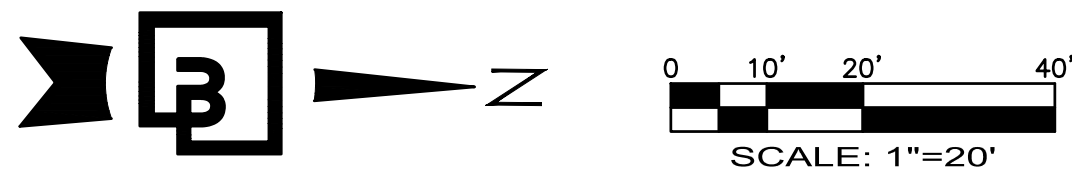
Barghausen Consulting Engineers, LLC.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222
barghausen.com



Job Number
18510

Sheet
C2 of **7**

PORTION OF THE NE1/4 OF SEC. 21, TWP. 20 N., RGE 4 E., W. M.
CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON
DEMOLITION / TESC PLAN



EXISTING LEGEND:

- (NOTE: NOT ALL SYMBOLS MAY APPEAR ON THE MAP)
- SURVEY MONUMENT (AS NOTED)
 - SECTION CORNER (AS NOTED)
 - SET REBAR/CAP (AS NOTED)
 - FOUND REBAR/CAP (AS NOTED)
 - SET 2"x2" HUB/TACK LINE STAKE
 - MAG/WASHER OR LEAD/TACK (AS NOTED)
 - BENCHMARK
 - LUMINAIRE (LUM.)
 - YARD LIGHT
 - ORNAMENTAL LIGHT
 - POWER POLE
 - JUNCTION BOX (AS NOTED)
 - TELEPHONE MANHOLE
 - CATCH BASIN (CB)
 - STORM MANHOLE (SDMH)
 - SANITARY SEWER MANHOLE (SSMH)
 - CLEANOUT (AS NOTED)
 - GAS METER
 - GAS VALVE
 - WATER VALVE (WV)
 - FIRE HYDRANT (FH) / CONNECTION (FDC)
 - WATER MANHOLE
 - WATER METER
 - BLOW-OFF / AIRVAC
 - MONITOR WELL
 - SIGN
 - DIRECTIONAL ARROW
 - CHAIN LINK FENCE
 - WOOD FENCE
 - HOGWIRE FENCE
 - SILT FENCE
 - METAL/IRON FENCE
 - GUARD RAIL/CABLE FENCE
 - WATER LINE
 - GAS LINE
 - STEAM LINE
 - TELEPHONE LINE (OH) OR (UG)
 - POWER LINE (OH) OR (UG)
 - STORM LINE
 - SEWER LINE
 - DECIDUOUS TREE
 - CONIFEROUS TREE

DEMOLITION AND EXCAVATION NOTES:

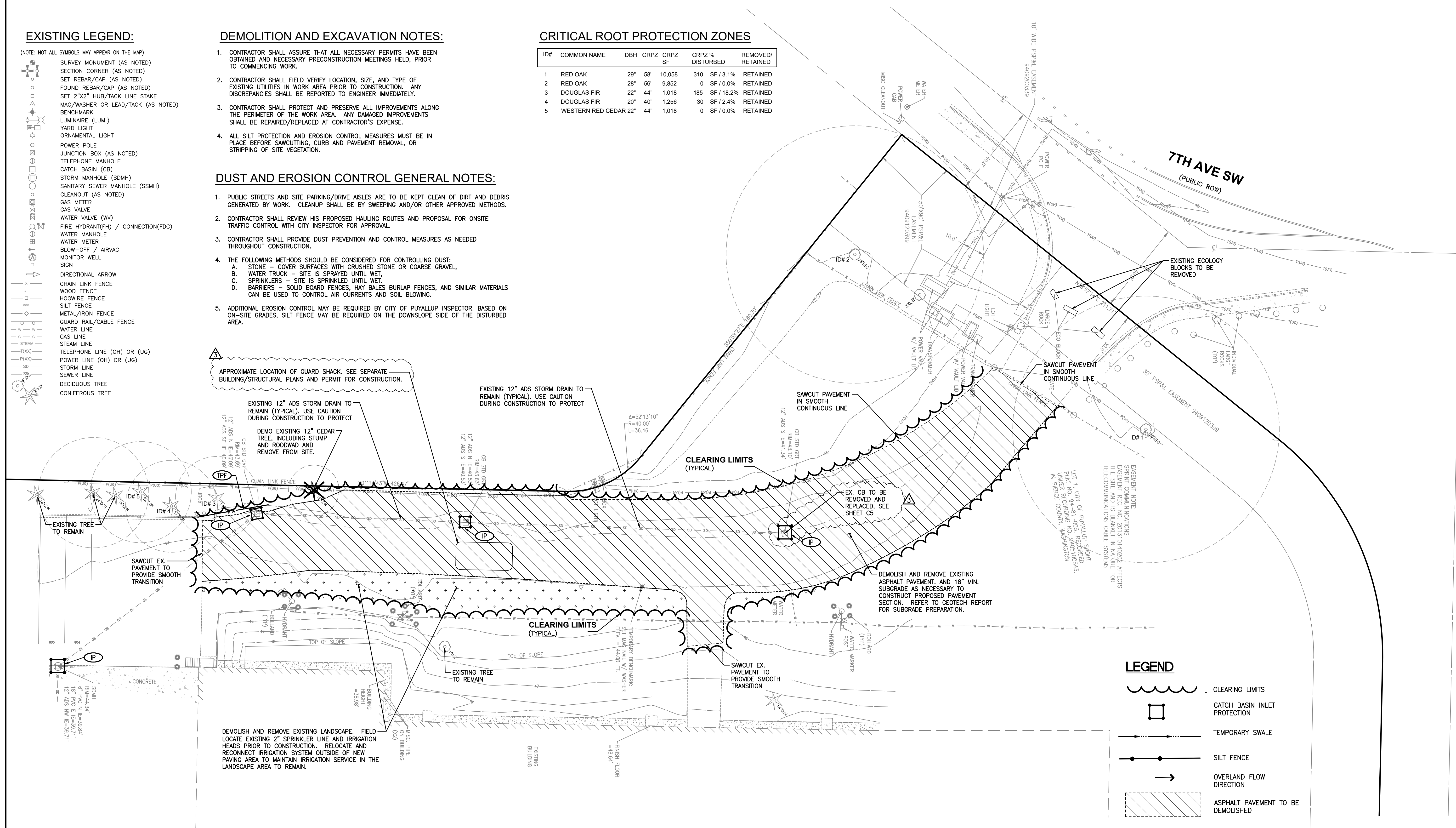
1. CONTRACTOR SHALL ASSURE THAT ALL NECESSARY PERMITS HAVE BEEN OBTAINED AND NECESSARY PRECONSTRUCTION MEETINGS HELD, PRIOR TO COMMENCING WORK.
2. CONTRACTOR SHALL FIELD VERIFY LOCATION, SIZE, AND TYPE OF EXISTING UTILITIES IN WORK AREA PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO ENGINEER IMMEDIATELY.
3. CONTRACTOR SHALL PROTECT AND PRESERVE ALL IMPROVEMENTS ALONG THE PERIMETER OF THE WORK AREA. ANY DAMAGED IMPROVEMENTS SHALL BE REPAIRED/REPLACED AT CONTRACTOR'S EXPENSE.
4. ALL SILT PROTECTION AND EROSION CONTROL MEASURES MUST BE IN PLACE BEFORE SAWCUTTING, CURB AND PAVEMENT REMOVAL, OR STRIPPING OF SITE VEGETATION.

DUST AND EROSION CONTROL GENERAL NOTES:

1. PUBLIC STREETS AND SITE PARKING/DRIVE AISLES ARE TO BE KEPT CLEAN OF DIRT AND DEBRIS GENERATED BY WORK. CLEANUP SHALL BE BY SWEEPING AND/OR OTHER APPROVED METHODS.
2. CONTRACTOR SHALL REVIEW HIS PROPOSED HAULING ROUTES AND PROPOSAL FOR ON-SITE TRAFFIC CONTROL WITH CITY INSPECTOR FOR APPROVAL.
3. CONTRACTOR SHALL PROVIDE DUST PREVENTION AND CONTROL MEASURES AS NEEDED THROUGHOUT CONSTRUCTION.
4. THE FOLLOWING METHODS SHOULD BE CONSIDERED FOR CONTROLLING DUST:
 - A. STONE - COVER SURFACES WITH CRUSHED STONE OR COARSE GRAVEL.
 - B. WATER TRUCK - SITE IS SPRAYED UNTIL WET.
 - C. SPRINKLERS - SITE IS SPRINKLED UNTIL WET.
 - D. BARRIERS - SOLID BOARD FENCES, HAY BALES BURLAP FENCES, AND SIMILAR MATERIALS CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING.
5. ADDITIONAL EROSION CONTROL MAY BE REQUIRED BY CITY OF PUYALLUP INSPECTOR. BASED ON ON-SITE GRADES, SILT FENCE MAY BE REQUIRED ON THE DOWNSLOPE SIDE OF THE DISTURBED AREA.

CRITICAL ROOT PROTECTION ZONES

ID#	COMMON NAME	DBH	CRPZ	CRPZ SF	CRPZ % DISTURBED	REMOVED/RETAINED
1	RED OAK	29"	58'	10,058	310 SF / 3.1%	RETAINED
2	RED OAK	28"	56'	9,852	0 SF / 0.0%	RETAINED
3	DOUGLAS FIR	22"	44'	1,018	185 SF / 18.2%	RETAINED
4	DOUGLAS FIR	20"	40'	1,256	30 SF / 2.4%	RETAINED
5	WESTERN RED CEDAR	22"	44'	1,018	0 SF / 0.0%	RETAINED



APPROXIMATE LOCATION OF GUARD SHACK. SEE SEPARATE BUILDING/STRUCTURAL PLANS AND PERMIT FOR CONSTRUCTION.

EXISTING 12" ADS STORM DRAIN TO REMAIN (TYPICAL). USE CAUTION DURING CONSTRUCTION TO PROTECT

EXISTING 12" ADS STORM DRAIN TO REMAIN (TYPICAL). USE CAUTION DURING CONSTRUCTION TO PROTECT

DEMO EXISTING 12" CEDAR TREE, INCLUDING STUMP AND ROADWAD AND REMOVE FROM SITE.

CLEARING LIMITS (TYPICAL)

EX. CB TO BE REMOVED AND REPLACED. SEE SHEET C5

DEMOLISH AND REMOVE EXISTING ASPHALT PAVEMENT AND 18" MIN. SUBGRADE AS NECESSARY TO CONSTRUCT PROPOSED PAVEMENT SECTION. REFER TO GEOTECH REPORT FOR SUBGRADE PREPARATION.

DEMOLISH AND REMOVE EXISTING LANDSCAPE. FIELD LOCATE EXISTING 2" SPRINKLER LINE AND IRRIGATION HEADS PRIOR TO CONSTRUCTION. RELOCATE AND RECONNECT IRRIGATION SYSTEM OUTSIDE OF NEW PAVING AREA TO MAINTAIN IRRIGATION SERVICE IN THE LANDSCAPE AREA TO REMAIN.

LEGEND

- CLEARING LIMITS
- CATCH BASIN INLET PROTECTION
- TEMPORARY SWALE
- SILT FENCE
- OVERLAND FLOW DIRECTION
- ASPHALT PAVEMENT TO BE DEMOLISHED
- LANDSCAPE TO BE DEMOLISHED
- TREE TO BE REMOVED
- TREE PROTECTION FENCING

**City of Puyallup
Development & Permitting Services
ISSUED PERMIT**

Building	Planning
Engineering	Public Works
Fire	Traffic

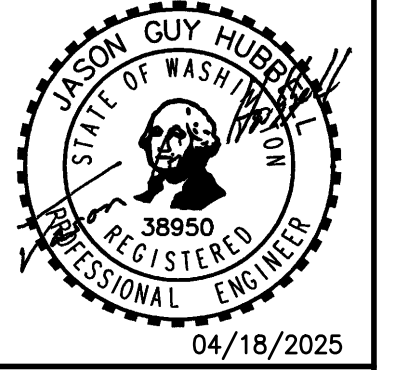
TESC SCHEDULE

- INSTALL CATCH BASIN INLET PROTECTION. SEE CITY STD. DETAIL 02.03.05 ON SHEET C6.
- INSTALL TREE PROTECTION FENCING. SEE TREE PROTECTION DETAIL ON SHEET C6.

Revision	No.	Date	By	Chk.	Appr.
3	04/18/25	JSG	DL	JSG	DL
2	01/07/25	JSG	DL	JSG	DL

Title: **DEMOLITION / TESC PLAN**
FRED MEYER - DISTRIBUTION CENTER

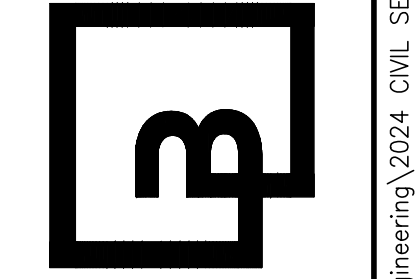
For: **DOUG HARDY
WEST REGION ENGINEER
KROGER LOGISTICS
MAINTENANCE & ENGINEERING
2201 SOUTH WILMINGTON AVE.
COMPTON, CA 90220**



Scale: Horizontal 1"=20', Vertical NA

Designed: DL, Drawn: ROC, Checked: DL, Approved: JGH, Date: 2/16/24

Barghausen Consulting Engineers, LLC.
 18215 72nd Avenue South
 Kent, WA 98032
 425.251.6222
barghausen.com



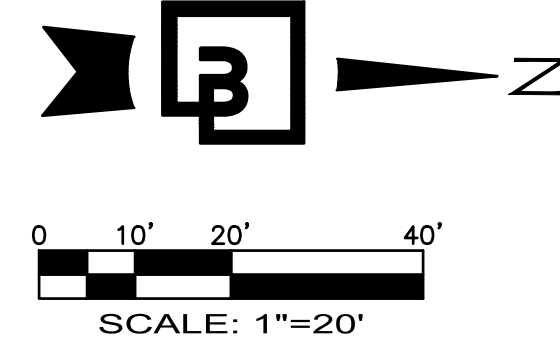
Job Number: **18510**
 Sheet: **C3** of **7**

APPROVED
 BY: *Scott M... [Signature]*
 CITY OF PUYALLUP
 ENGINEERING SERVICES
 DATE: **05/29/2025**

NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE CITY ENGINEER



SITE PLAN

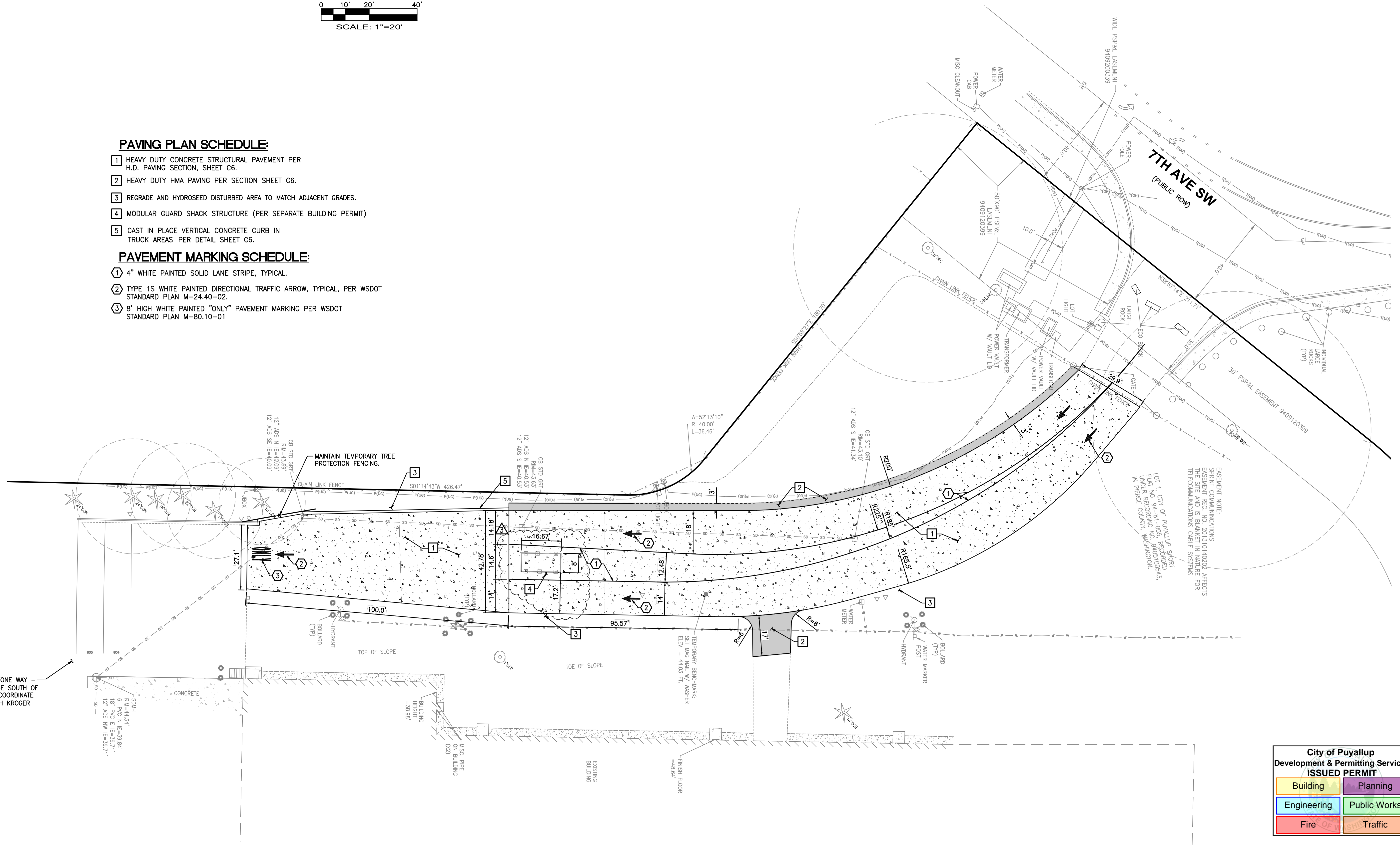


PAVING PLAN SCHEDULE:

- 1 HEAVY DUTY CONCRETE STRUCTURAL PAVEMENT PER H.D. PAVING SECTION, SHEET C6.
- 2 HEAVY DUTY HMA PAVING PER SECTION SHEET C6.
- 3 REGRADE AND HYDROSEED DISTURBED AREA TO MATCH ADJACENT GRADES.
- 4 MODULAR GUARD SHACK STRUCTURE (PER SEPARATE BUILDING PERMIT)
- 5 CAST IN PLACE VERTICAL CONCRETE CURB IN TRUCK AREAS PER DETAIL SHEET C6.

PAVEMENT MARKING SCHEDULE:

- 1 4" WHITE PAINTED SOLID LANE STRIPE, TYPICAL.
- 2 TYPE 1S WHITE PAINTED DIRECTIONAL TRAFFIC ARROW, TYPICAL, PER WSDOT STANDARD PLAN M-24.40-02.
- 3 8" HIGH WHITE PAINTED "ONLY" PAVEMENT MARKING PER WSDOT STANDARD PLAN M-80.10-01



PROVIDE AND INSTALL "ONE WAY - DO NOT ENTER" SIGNAGE SOUTH OF THIS PROJECT AREA. COORDINATE EXACT LOCATION(S) WITH KROGER PROJECT MANAGER.

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

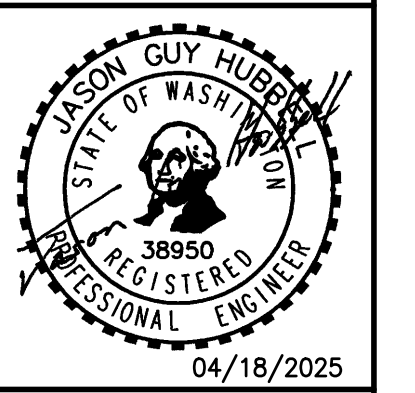
APPROVED
BY: *[Signature]*
CITY OF PUYALLUP
ENGINEERING SERVICES
DATE: 05/29/2025

NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE CITY ENGINEER

No.	Date	By	Chk.	Appr.	Revision
3	04/18/25	JSG	DL	JSG	REVISED PER CITY COMMENTS
2	01/07/25	JSG	DL	JSG	REVISED PER CITY COMMENTS

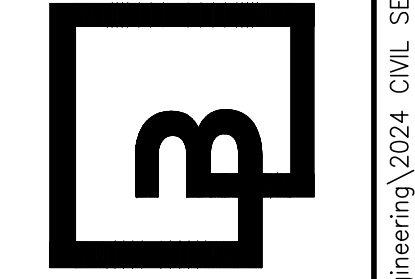
Title: **SITE PLAN**

For: **DOUG HARDY
WEST REGION ENGINEER
KROGER LOGISTICS
MAINTENANCE & ENGINEERING
2201 SOUTH WILMINGTON AVE.
COMPTON, CA 90220**



Scale:	Horizontal	Vertical
	1"=20'	NA
Designed	DL	
Drawn	RDC	
Checked	DL	
Approved	JGH	
Date	2/16/24	

Barghausen Consulting Engineers, LLC.
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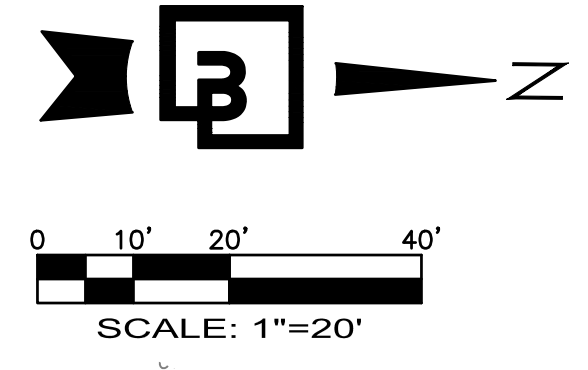


Job Number: **18510**
Sheet: **C4** of **7**



Know what's below.
Call before you dig.

PORTION OF THE NE1/4 OF SEC. 21, TWP. 20 N., RGE 4 E., W. M.
CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON
GRADING AND STORM DRAINAGE PLAN

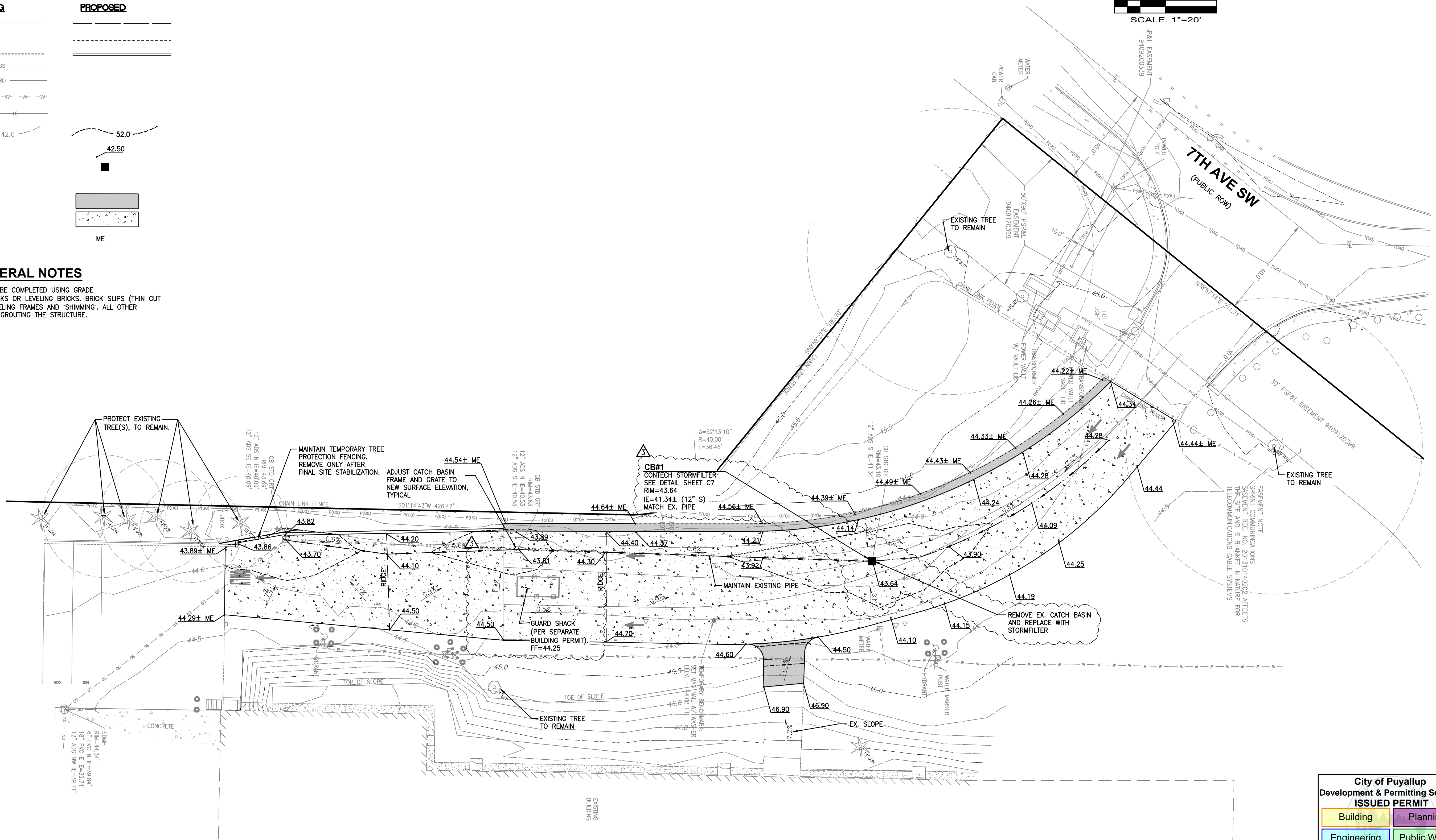


LEGEND

DESCRIPTION	EXISTING	PROPOSED
EASEMENT	---	---
SAWCUT LINE	---	---
CURB	=====	=====
SANITARY SEWER	SS	SS
STORM	SD	SD
WATER	-W- -W- -W- -W- -W-	-W- -W- -W- -W- -W-
FENCE	X X X X X	X X X X X
GROUND CONTOUR	42.0	52.0
SPOT ELEVATION	42.50	42.50
CATCH BASIN (CB)	□	■
FIRE HYDRANT	□	□
ASPHALT PAVEMENT	▨	▨
CONCRETE PAVEMENT	▩	▩
MATCH EXISTING ELEVATION	ME	ME

CONSTRUCTION GENERAL NOTES

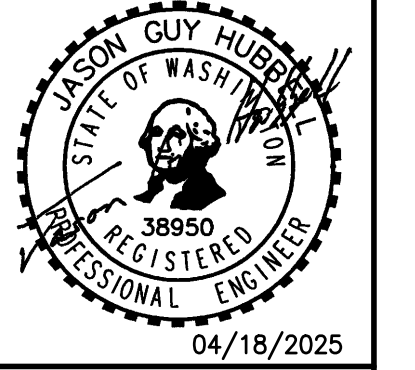
- FRAME AND GRATE ADJUSTMENTS SHALL BE COMPLETED USING GRADE RINGS, RISER SECTIONS, AND RISER BRICKS OR LEVELING BRICKS. BRICK SLIPS (THIN CUT RISER BRICKS) MAY BE USED WHEN LEVELING FRAMES AND "SHIMMING". ALL OTHER MATERIAL SHALL BE REMOVED PRIOR TO GROUTING THE STRUCTURE.



No.	Date	By	Chk.	Appr.	Revised Per City Comments
3	04/18/25	DL	JSG	JSG	REVISED PER CITY COMMENTS
2	01/07/25	DL	JSG	JSG	REVISED PER CITY COMMENTS

Title: **GRADING AND STORM DRAINAGE PLAN**
FRED MEYER - DISTRIBUTION CENTER

For: **DOUG HARDY**
WEST REGION ENGINEER
KROGER LOGISTICS
MAINTENANCE & ENGINEERING
2201 SOUTH WILMINGTON AVE.
COMPTON, CA 90220



Scale:	Horizontal	Vertical
	1"=20'	NA
Designed	DL	Date
Drawn	RDC	2/16/24
Checked	DL	
Approved	JGH	

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

APPROVED
BY: Scott Mowbray
CITY OF PUYALLUP
ENGINEERING SERVICES
DATE: 05/29/2025

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Barghausen Consulting Engineers, LLC.
18215 72nd Avenue South
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425.251.6222
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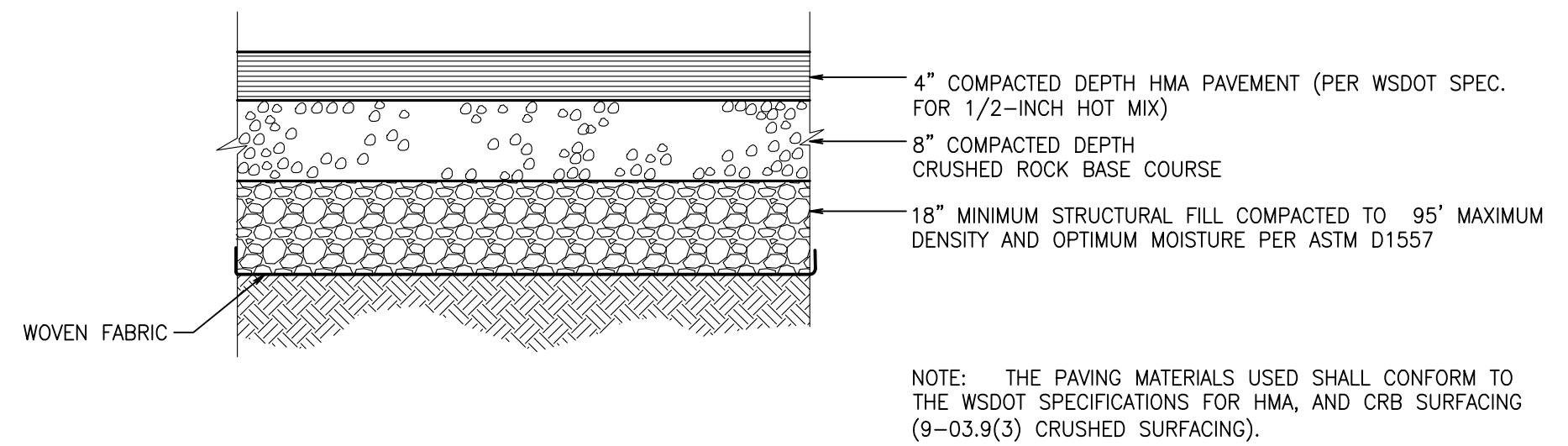
Job Number: **18510**
Sheet: **C5** of **7**



Know what's below.
Call before you dig.

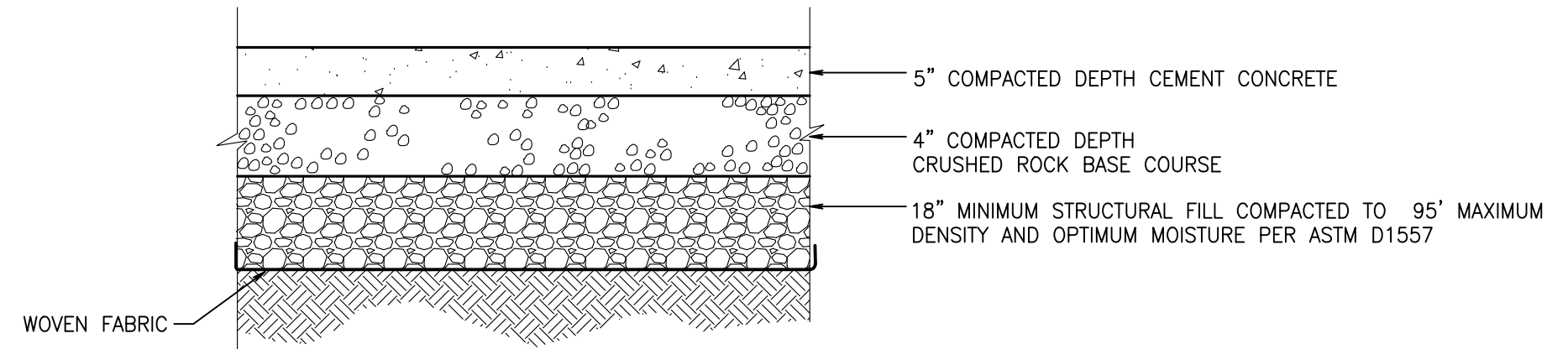
P:\18000A\18510\engineering\2024_CIVIL_SET\18510-GM.dwg 4/18/2025 2:08 PM KHARRIS

PORTION OF THE NE1/4 OF SEC. 21, TWP. 20 N., RGE 4 E., W. M.
CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON
CONSTRUCTION DETAILS



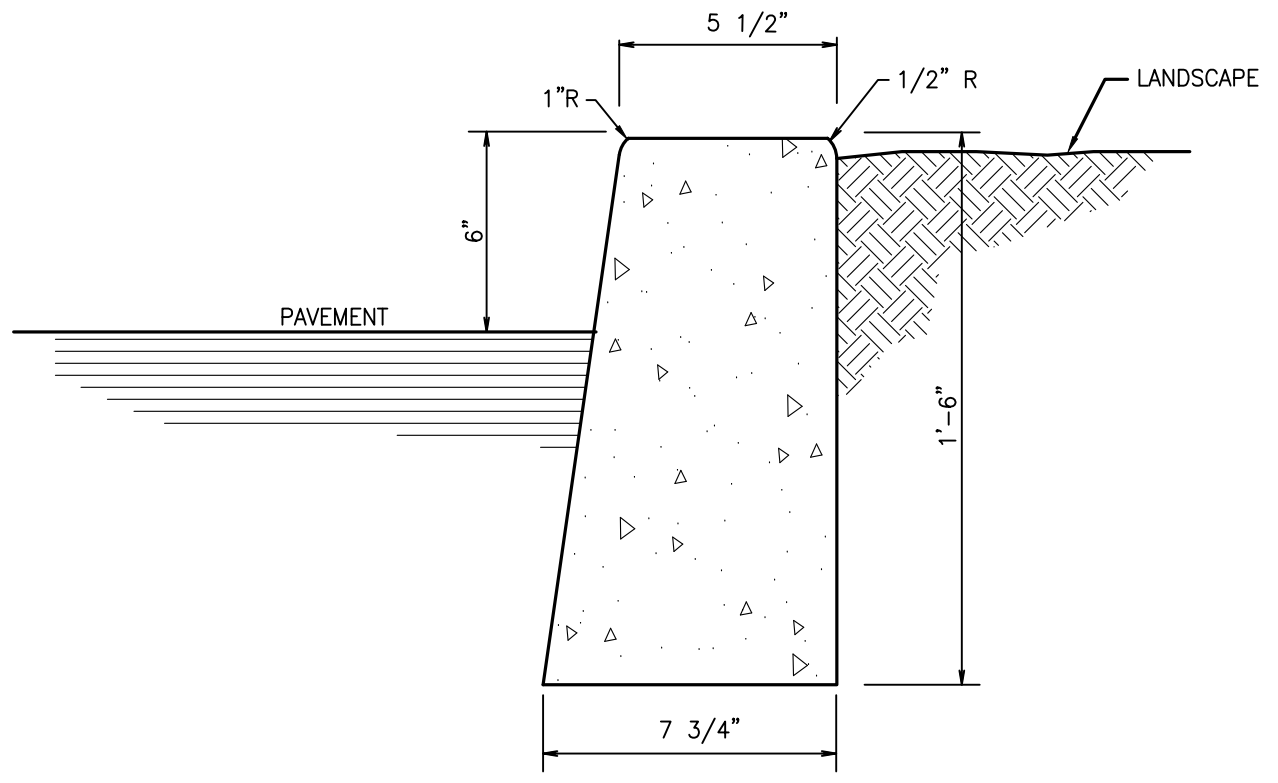
ASPHALT PAVEMENT SECTION

NOT TO SCALE



CONCRETE PAVEMENT SECTION

NOT TO SCALE



ONSITE BARRIER CURB

NOT TO SCALE

MATERIALS OF CONSTRUCTION

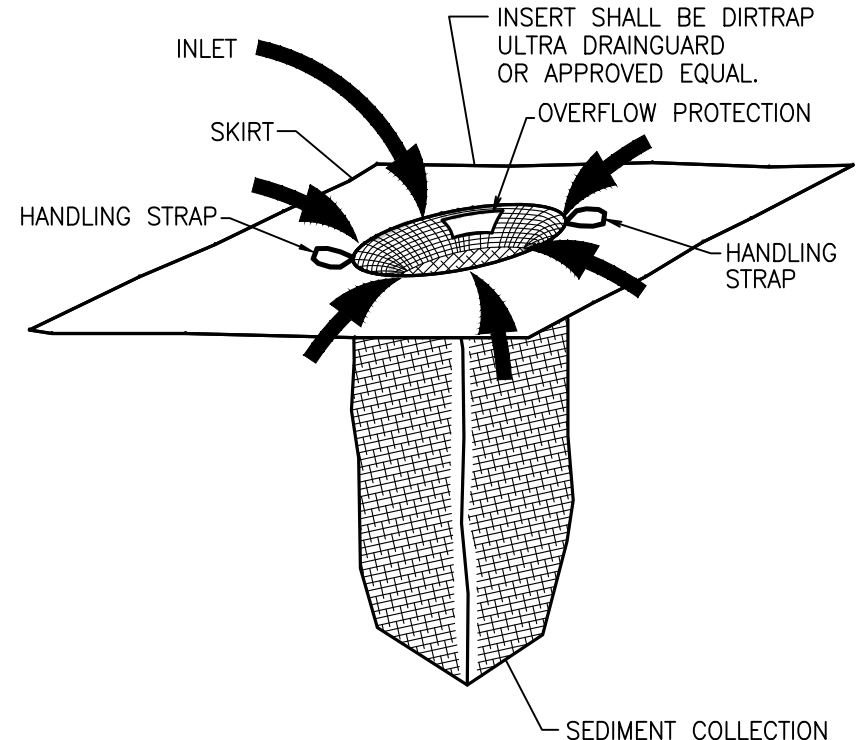
FABRIC: NEEDLE PUNCHED NON-WOVEN GEOTEXTILE MATERIAL. FABRIC IS RESISTANT TO ULTRAVIOLET AND BIOLOGICAL DEGRADATION AND A BROAD RANGE OF CHEMICALS.
APPARENT OPENING SIZE (AOS): 80 US STANDARD SIEVE (0.180 MM)
GRAB TENSILE STRENGTH: 200 LBS
PUNCTURE STRENGTH: 130 LBS
MULLEN BURST: 400 PSI
TRAPEZOIDAL TEAR: 85 LBS
WATER FLOW RATE: 110 GPM/FT2
PERMEABILITY: 0.38 CM/SECOND

DIMENSIONS:

SKIRT: 24"x36"
SOCK FILTER/SEPARATOR: 10" D x 24" L

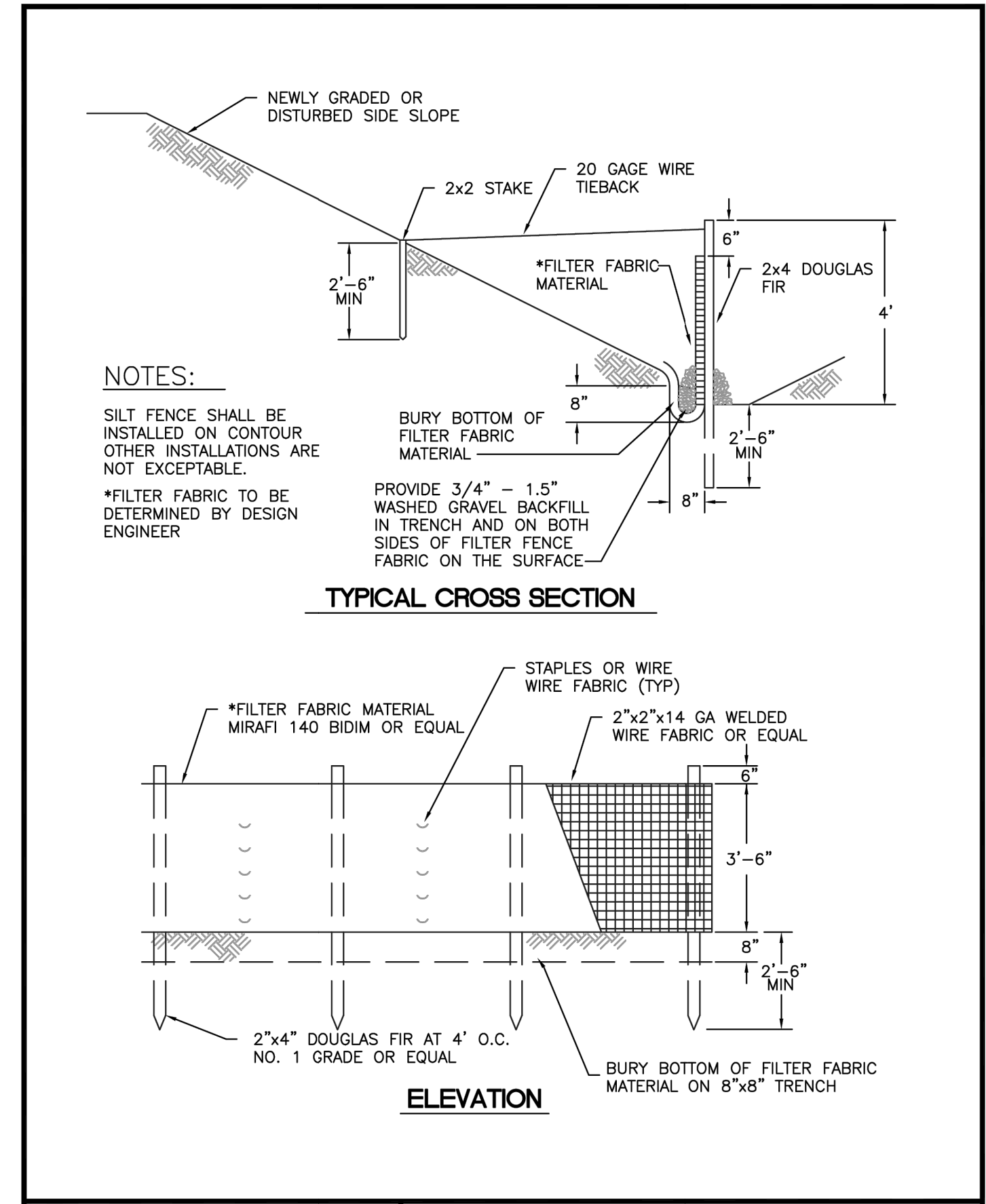
DISPOSAL REQUIREMENTS:

CONSULT FEDERAL, STATE, AND LOCAL REGULATIONS FOR DISPOSAL OF INSERTS



CATCH BASIN INSERT

NOT TO SCALE



CITY OF PUYALLUP		SILTATION FENCE	
DESIGNED BY LINDA LIAN	CHECKED BY LINDA LIAN	APPROVED BY COLLEEN HARRIS	ISSUED BY LINDA LIAN
FILE NAME P:\PROJECTS\CONSTRUCTION\CITY\2024\02\02\02	DATE APPROVED 02/02/2024	DATE REVISION 02/02/2024	SCALE 1:1
CITY OF PUYALLUP DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS		CITY 02.03.02	

TREE PROTECTION ZONE (TPZ)

NO ENTRY. NO GRADE CHANGES, STORAGE/STOCKPILING OF MATERIALS OR EQUIPMENT, PLACEMENT OF FILL OR TOP SOIL, TRENCHING OR VEHICULAR/FOOT TRAFFIC PERMITTED WITHIN THE TPZ. THIS TREE BARRIER SHALL NOT BE REMOVED WITHOUT AUTHORIZATION FROM PUYALLUP PLANNING DEPARTMENT—SUBJECT TO FINES AND ENFORCEMENT ACTION BY THE CITY—to REPORT VIOLATIONS OR FOR MORE INFORMATION—CALL (253) 864.4165

- MINIMUM SIX (6) FOOT HIGH TEMPORARY HIGH-VISIBILITY ORANGE CONSTRUCTION FENCING SHALL BE PLACED AT THE CRITICAL ROOT ZONE OR DESIGNATED LIMIT OF DISTURBANCE ON APPROVED FINAL LANDSCAPE PLAN SET. FENCING SHALL BE INSTALLED USING POSTS DRIVEN INTO GROUND—PIER BLOCKS SHALL NOT BE USED. AVOID POSTS DRIVEN INTO ROOTS LARGER THAN 1" DIAMETER. FENCING SHALL BE INSTALLED PRIOR TO WORK COMMENCING ON-SITE AND REMAIN IN PLACE THROUGHOUT ALL PHASES OF CONSTRUCTION—CALL THE CITY'S PLANNING DIVISION WITH REQUESTS TO MODIFY THE LOCATION OF THE TREE PROTECTION FENCING—(253) 864-4165
- TREATMENT OF ROOTS EXPOSED DURING CONSTRUCTION. FOR ROOTS OVER ONE (1) INCH DIAMETER DAMAGED DURING CONSTRUCTION, MAKE A CLEAN STRAIGHT CUT TO REMOVE DAMAGED PORTION OF ROOT. ALL EXPOSED ROOTS SHALL BE TEMPORARILY COVERED WITH DAMP BURLAP TO PREVENT DRYING AND COVERED WITH SOIL AS SOON AS POSSIBLE. OTHER PRE-TREATMENT MEASURES MAY BE REQUIRED TO PROTECT ROOT SYSTEM—SEE APPROVED TREE PROTECTION OR FINAL LANDSCAPE PLAN FOR FURTHER DETAILS.
- NO STOCKPILING OF MATERIALS; VEHICULAR TRAFFIC; PLACEMENT OF TOP SOIL OR FILL MATERIAL; STORAGE OF EQUIPMENT OR MACHINERY SHALL BE ALLOWED WITHIN THE LIMITS OF THE ESTABLISHED FENCING. FENCING SHALL NOT BE MOVED OR REMOVED UNLESS APPROVED BY THE CITY PLANNING DIVISION. WORK WITHIN PROTECTION FENCE SHALL BE DONE MANUALLY UNDER THE SUPERVISION OF THE ON-SITE ARBORIST WITH PRIOR WRITTEN APPROVAL BY THE CITY PLANNING DIVISION.
- THE ABOVE REFERENCED TPZ SIGNS SHALL BE PLACED EVERY 15 FEET ALONG THE FENCING AND SHALL REMAIN IN PLACE THROUGHOUT ALL PHASES OF CONSTRUCTION.

TREE PROTECTION FENCING DETAIL
(for public and private trees)

CITY OF PUYALLUP

GRADING, EROSION, AND SEDIMENTATION CONTROL NOTES

- 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		GRADING, EROSION, AND SEDIMENTATION CONTROL NOTES	
DESIGNED BY JIM ERWIN-SVRODKA	CHECKED BY LINDA LIAN	APPROVED BY COLLEEN HARRIS	ISSUED BY LINDA LIAN
FILE NAME P:\PROJECTS\CONSTRUCTION\CITY\2024\02\02\02	DATE APPROVED 02/02/2024	DATE REVISION 02/02/2024	SCALE 1:1
CITY OF PUYALLUP DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS		CITY 02.02.01	

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APPROVED

BY: *John Meyer*
CITY OF PUYALLUP
ENGINEERING SERVICES

DATE: **05/29/2025**

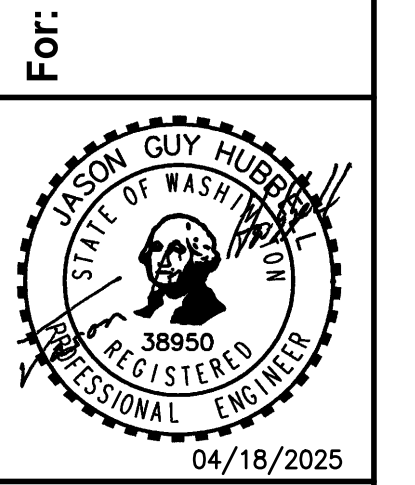
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Revision	By	Clkd.	Appr.	Comments
3	JSG	DL	JSG	REVISED PER CITY COMMENTS
2	JSG	DL	JSG	REVISED PER CITY COMMENTS

CONSTRUCTION DETAILS

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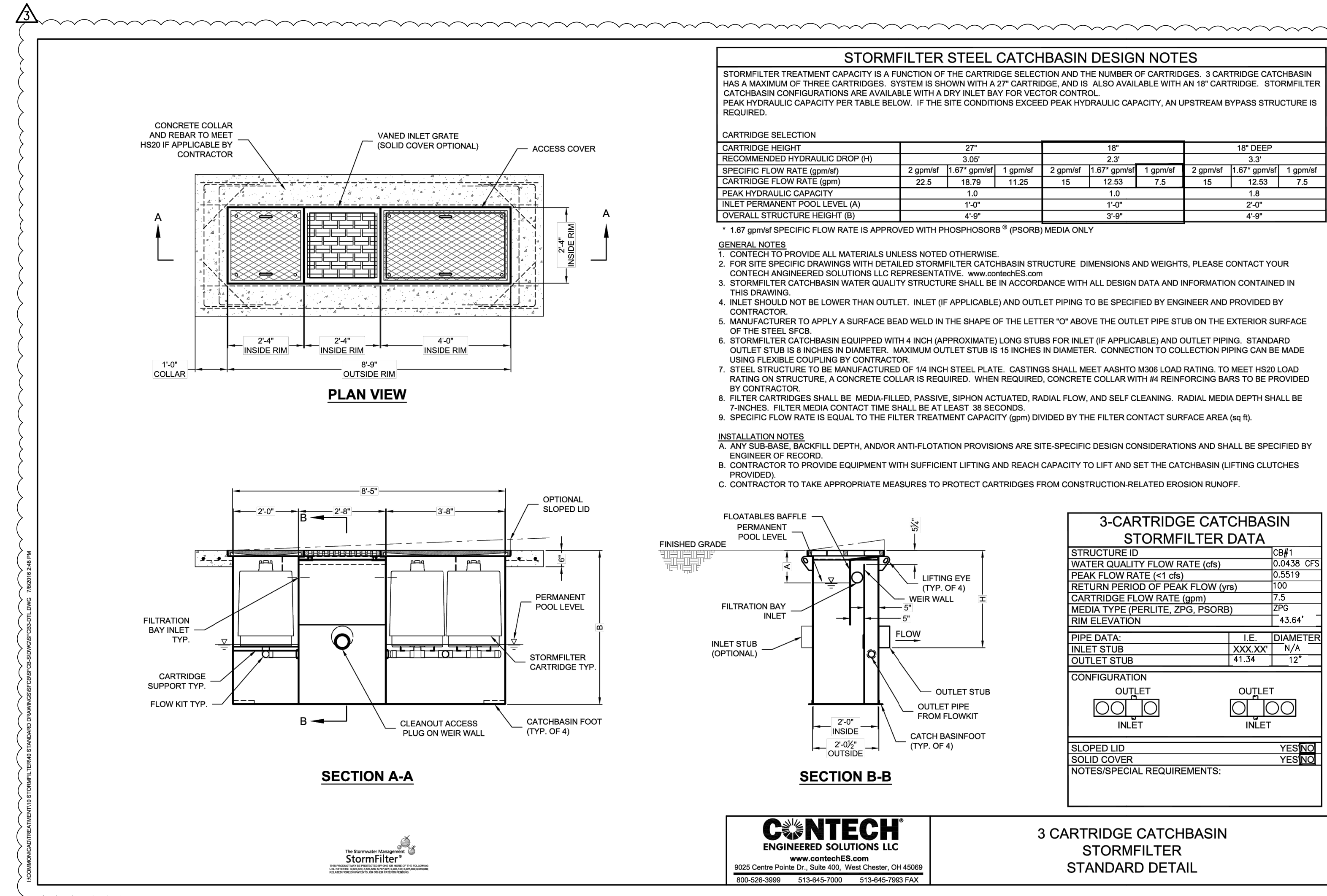
Designed	DL
Drawn	RDC
Checked	DL
Approved	JGH
Date	2/16/24

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Sheet: **C6** of **7**

PORTION OF THE NE1/4 OF SEC. 21, TWP. 20 N., RGE 4 E., W. M.
CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON
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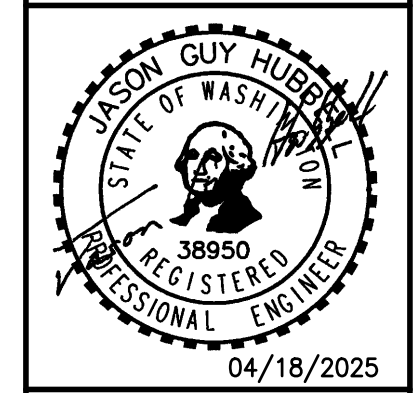
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Revision
3 04/18/25 DL JSG REVISED PER CITY COMMENTS
2 01/07/25 DL JSG REVISED PER CITY COMMENTS
No. Date By Ckd. Appr.

Title:
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C6 of **7**