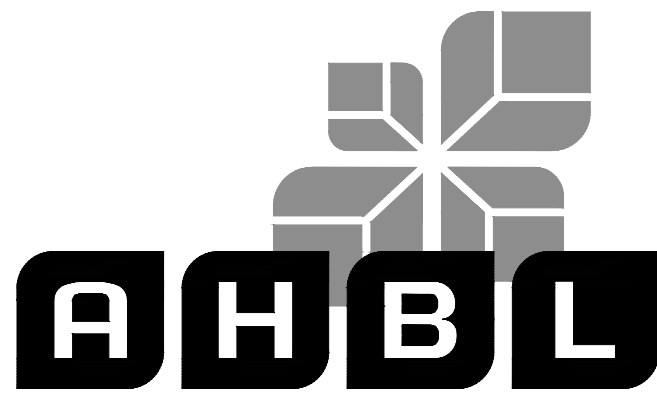


COASTAL PACIFIC FOOD DISTRIBUTION PUYALLUP

A PORTION OF THE NE 1/4 OF THE SE 1/4 OF SEC. 21, TWN. 20 N., RGE. 04 E., W.M., PIERCE COUNTY, WASHINGTON.



TACOMA · SEATTLE · SPOKANE · TRI-CITIES

2215 North 30th Street, Suite 200 Tacoma, WA 98403
253.383.2422 TEL 253.383.2572 FAX www.ahbl.com WEB

Project Title:
**COASTAL PACIFIC
FOOD DISTRIBUTION
PUYALLUP**

Client:
AWB ENGINEERS

1942 NORTHWOOD DRIVE
SALISBURY, MARYLAND 21801
MATT SMITH

Job No.
2230491.51

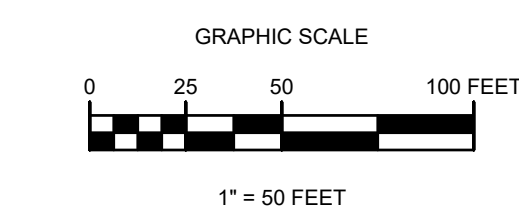
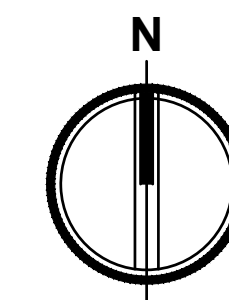
Issue Set & Date:
**ISSUE FOR PERMIT
(REVISION A)**

05/15/2024



LEGEND

- FOUND MONUMENT AS NOTED
- △ SET NAIL AND WASHER
- FOUND PROPERTY CORNER



NOTICE: ALLOCATION OF THIS SYMBOL SHALL INDICATE THE PROFESSIONAL SEAL AND SIGNATURE OF THE SURVEYOR. THIS SYMBOL IS NOT TO BE USED FOR ANY OTHER PURPOSE.

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

- △
 - △
 - △
 - △
- Revisions:

Sheet Title:
SURVEY BOUNDARY

Designed by: Drawn by: Checked by:
GD DF

Sheet No.

C0.01

2 of 25 Sheets

REFERENCE

CITY OF PUYALLUP BOUNDARY LINE REVISION NO. 04-84-003
AFN 200406025007 (BLA)

LEGAL DESCRIPTION

PER CHICAGO TITLE COMPANY A.L.T.A. COMMITMENT ORDER NO. 4368506 DATED FEBRUARY 23, 2012

PARCEL A:
PARCEL 2, BOUNDARY LINE ADJUSTMENT 200406025007, ACCORDING TO THE SURVEY THEREOF RECORDED JUNE 2, 2004, RECORDS OF PIERCE COUNTY AUDITOR, SITUATE IN THE CITY OF PUYALLUP, COUNTY OF PIERCE, STATE OF WASHINGTON.

PARCEL B:
THOSE CERTAIN EASEMENT RIGHTS FOR ACCESS, PARKING, LANDSCAPING AND UTILITIES AS SET FORTH IN THAT CERTAIN DOCUMENT ENTITLED "SUPPLEMENTAL AMENDMENT TO DECLARATION OF EASEMENTS FOR PUYALLUP INDUSTRIAL PARK," DATED JUNE 24, 2004, THE SAME BEING RECORDED UNDER RECORDING NUMBER 200407011348, SAID DOCUMENT BEING AN AMENDMENT OF THAT CERTAIN DOCUMENT ENTITLED "DECLARATION OF EASEMENTS FOR PUYALLUP INDUSTRIAL PARK," DATED OCTOBER 15, 2001, THE SAME BEING RECORDED UNDER RECORDING NUMBER 200110160332, AS AMENDED BY DOCUMENT ENTITLED "CORRECTIVE AMENDMENT TO DECLARATION OF EASEMENTS FOR PUYALLUP INDUSTRIAL PARK," DATED DECEMBER 3, 2001, THE SAME BEING RECORDED UNDER RECORDING NUMBER 200112100261.

VERTICAL DATUM

NAVD 1988 VERTICAL DATUM ON ORTHOMETRICALLY CORRECTED GPS OBSERVATIONS USING WSRN AND GEOID 2012A.

BASIS OF BEARING

NAD 1983/11 WASHINGTON STATE PLANE SOUTH PROJECTION, BASED ON GPS OBSERVATIONS USING WSRN AND GEOID 2012A. UNITS OF MEASUREMENT ARE US SURVEY FEET.

UTILITY NOTES

- SURFACE UTILITY FACILITIES ARE SHOWN HEREON PER FIELD LOCATED VISIBLE EVIDENCE. THERE MAY BE UTILITIES THAT EXIST ON THIS SITE OTHER THAN THOSE GRAPHICALLY DEPICTED HEREON.
- UNDERGROUND (BURIED) UTILITIES SHOWN HEREON ARE BASED ON COMBINATIONS OF VISIBLE SURFACE EVIDENCE, UTILITY LOCATOR MARKINGS AND RECORD DATA (SUCH AS AS-BUILT OR UTILITY DESIGN DRAWINGS). ALL UNDERGROUND UTILITIES SHOWN HEREON ARE APPROXIMATE AND, IN SOME CASES, ARE SHOWN AS STRAIGHT LINES BETWEEN FIELD LOCATED SURFACE UTILITY FACILITIES. UNDERGROUND UTILITIES MAY HAVE BENDS, CURVES OR CONNECTIONS WHICH ARE NOT SHOWN.
- ALTHOUGH LOCATIONS OF UNDERGROUND UTILITIES BASED ON UTILITY LOCATOR MARKINGS AND RECORD DATA (SUCH AS AS-BUILT OR UTILITY DESIGN DRAWINGS) ARE DEEMED RELIABLE, AHBL, INC. ASSUMES NO LIABILITY FOR THE ACCURACY OF SAID DATA.
- CALL 1-800-424-5555 BEFORE ANY CONSTRUCTION.

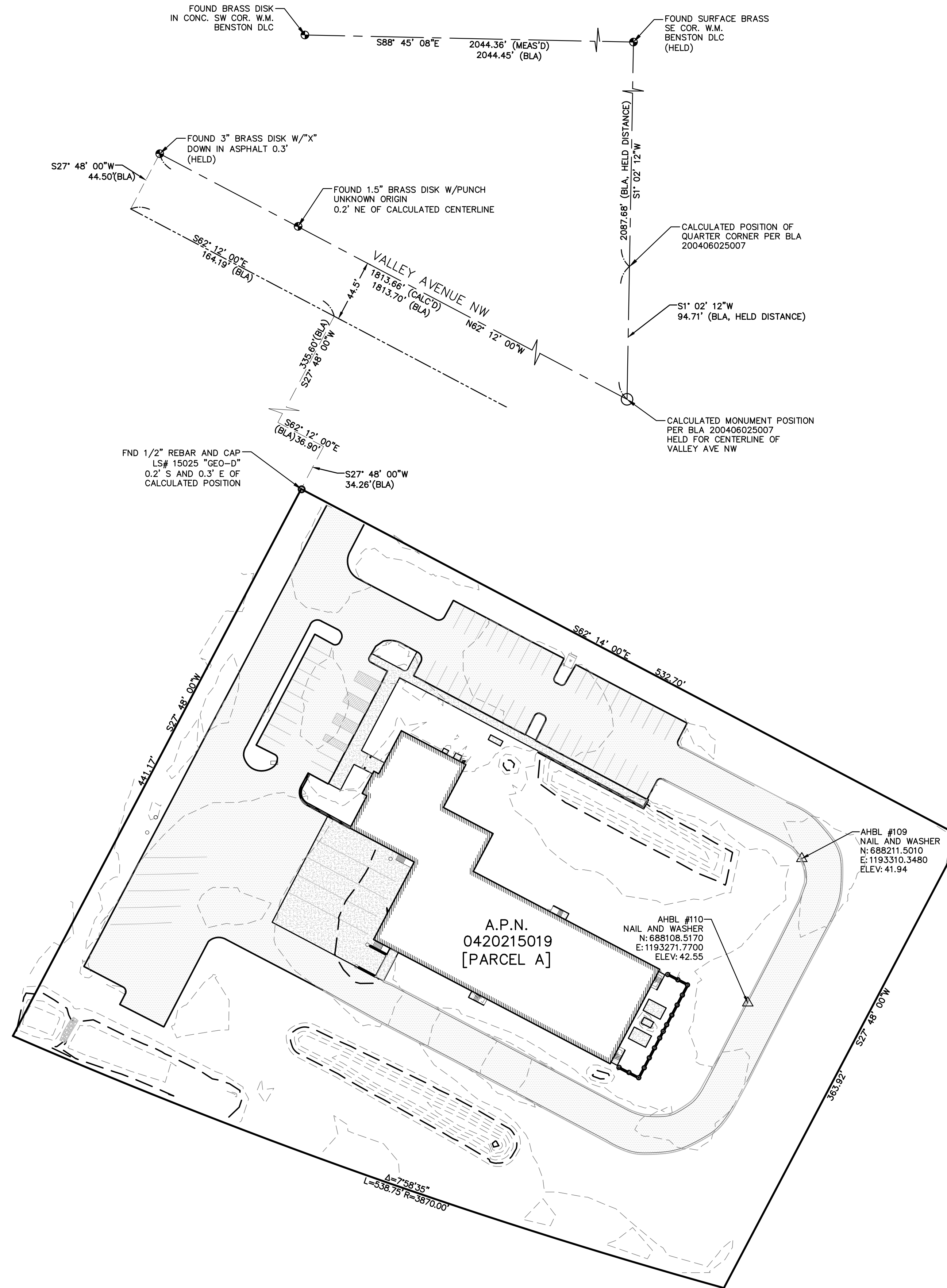
EQUIPMENT USED

3" TOTAL STATION UTILIZING STANDARD FIELD TRAVERSE METHODS FOR CONTROL AND STAKING.

SURVEYOR'S CERTIFICATE

I, DAVID FOLLANSBEE, A PROFESSIONAL LAND SURVEYOR IN THE STATE OF WASHINGTON, HEREBY CERTIFY THAT THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECT SUPERVISION IN OCTOBER 2023 IN COMPLIANCE WITH THE REQUIREMENTS OF THE SURVEY RECORDING ACT, CHAPTER 58.09 R.C.W. AND 332-130 W.A.C., AT THE REQUEST OF MATT SMITH.

DAVID FOLLANSBEE, PLS 45161 DATE



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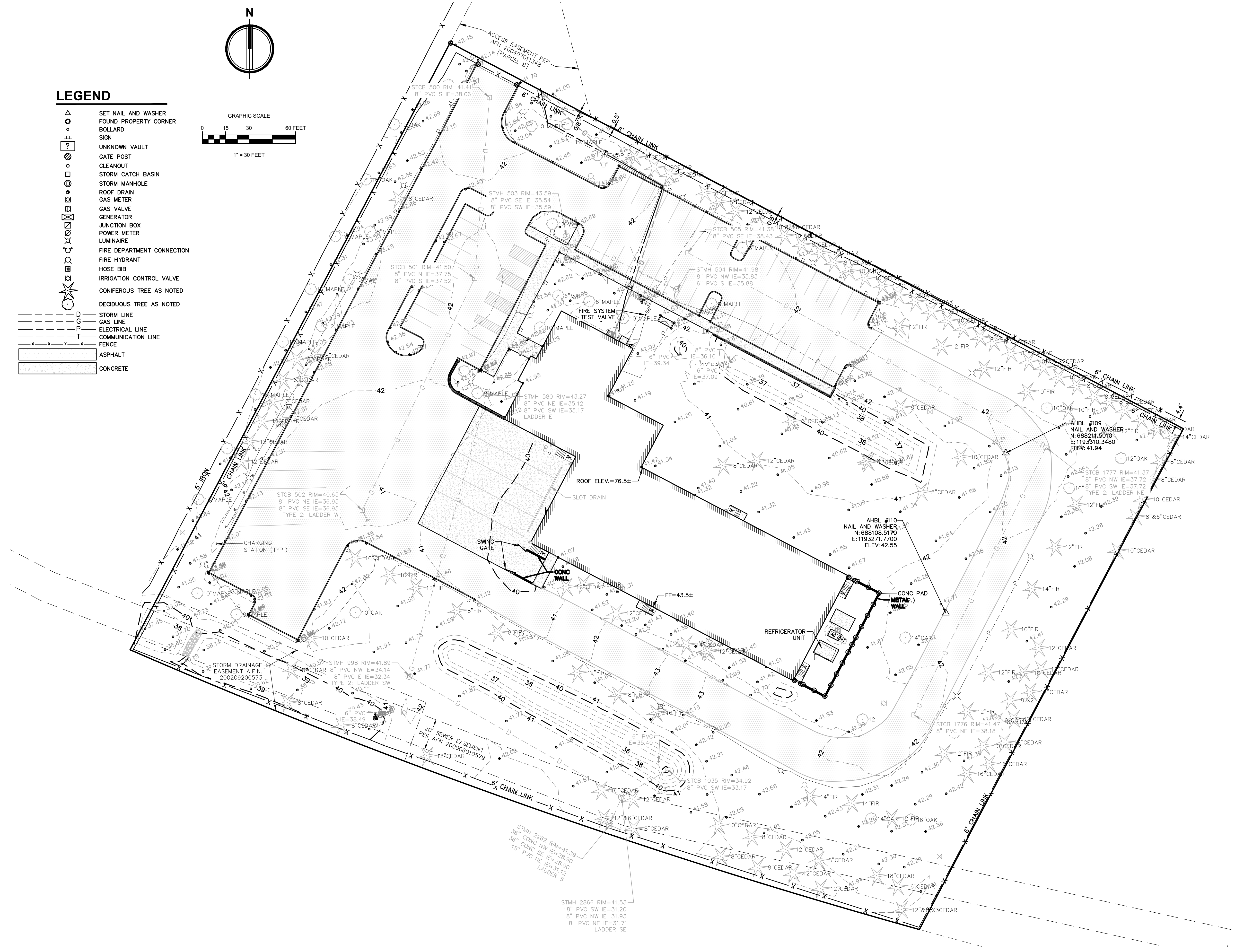
Issue Set & Date:
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(REVISION A)**
05/15/2024



NOTICE: ALLOCATION OF THIS DOCUMENT SHALL INDICATE THE PROFESSIONAL SEAL AND SIGNATURE OF THE DESIGNER OR SEALER OF THIS PROJECT. THIS DOCUMENT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF THE DESIGNER OR SEALER OF THIS PROJECT.

Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



Revisions:

Sheet Title:
**TOPOGRAPHIC
SURVEY**

Designed by: Drawn by: Checked by:
GD DF

Sheet No.
C0.02
3 of 25 Sheets

CPFD

A PORTION OF THE NE 1/4 AND THE SE 1/4 OF SEC. 21, TWN. 20 N, RGE. 04 E, W.M. CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON

LEGEND:

	IP INLET PROTECTION (3 C1.01)
	CE CONSTRUCTION ENTRANCE (1 C1.01)
	CL CLEARING/PROJECT LIMITS
	SF SILT FENCE (4 C1.01)
	TREE TO BE REMOVED
	DRIP LINE OF EX TREE
	REMOVE EXISTING UTILITY
	EXISTING MAJOR CONTOURS
	EXISTING MINOR CONTOURS
	PROPOSED MAJOR CONTOURS
	PROPOSED MINOR CONTOURS
	REMOVE EXISTING ASPHALT
	IS INTERCEPTOR SWALE (5 C1.01)
	ST SEDIMENT TRAP (3 C1.02)
	TP TREE PROTECTION FENCE (2 C1.01)

KEYNOTES

- PRESERVE AND PROTECT EXISTING TREES TO REMAIN. PROVIDE TREE PROTECTION WHERE INDICATED
- PRESERVE AND PROTECT EXISTING UTILITY TO REMAIN
- EXISTING UTILITY POLE TO BE REMOVED
- RELOCATE EXISTING FIRE HYDRANT
- DEMOLISH EXISTING TRASH ENCLOSURE
- EXISTING SURFACE FEATURE AND FOUNDATION TO BE REMOVED
- REMOVE EXISTING ASPHALT AND CURBING
- REMOVE EXISTING STRIPING
- DEMOLISH EXISTING STORM PIPE OR STRUCTURE
- CONTRACTOR SHALL SWEEP PAVEMENT TO PREVENT TRACKING OF SEDIMENT OFFSITE
- CONTRACTOR SHALL PROTECT EXISTING STORMWATER TREATMENT SYSTEM FOR NEIGHBORING PROPERTIES
- RELOCATE EXISTING GENERATOR OUTSIDE OF BUILDING FOOTPRINT. SEE ELECTRICAL.
- REMOVE EXISTING UTILITY.

DEMOLITION NOTES

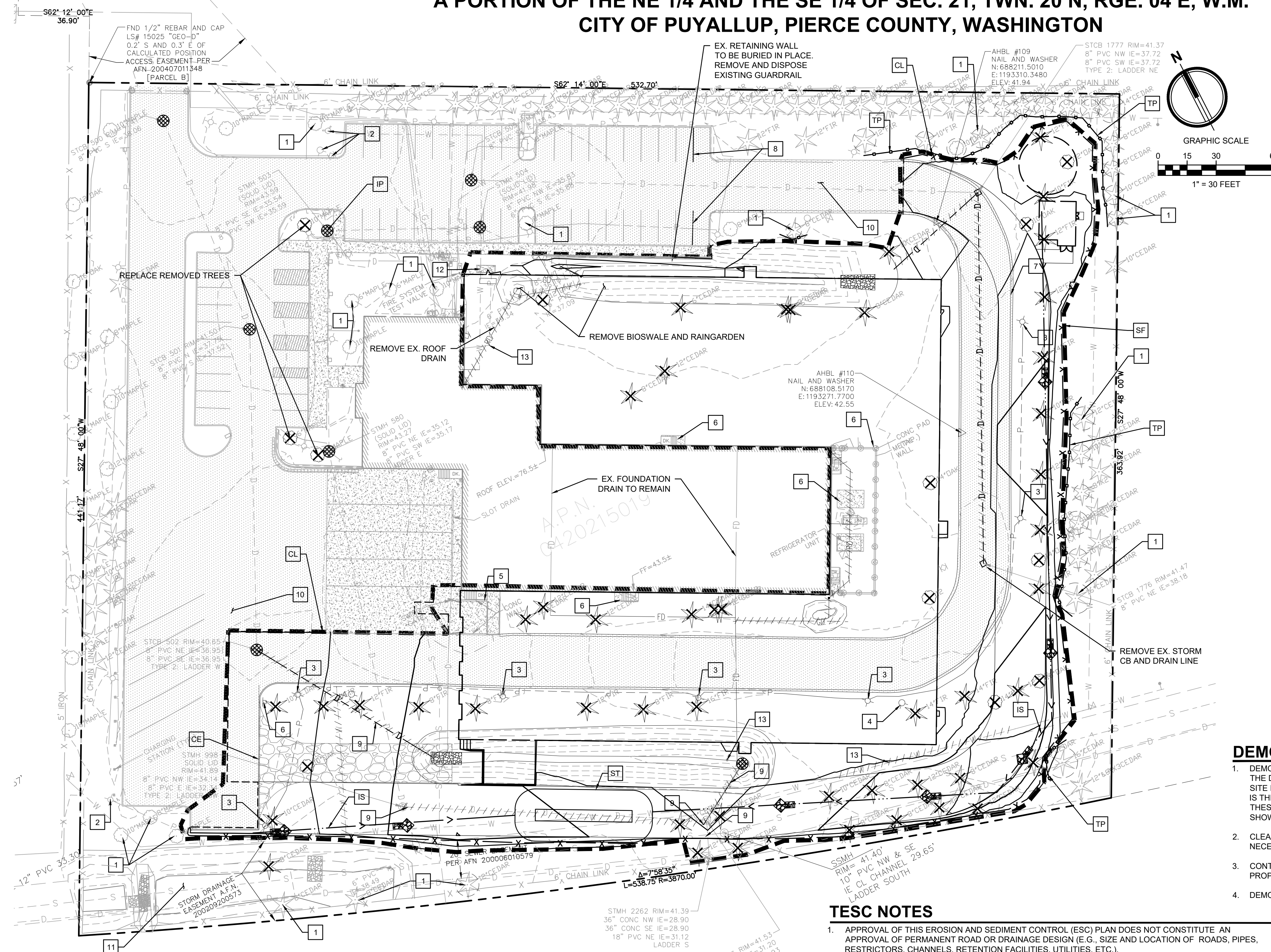
- DEMOLITION: IT IS THE INTENT UNDER THE WORK OF THIS CONTRACT TO INCLUDE, BUT NOT LIMITED TO, THE DEMOLITION OF ALL EXISTING BUILDINGS, FENCES, UTILITIES, BOLLARDS, GATES AND OTHER EXISTING SITE IMPROVEMENTS INCLUDING THE UNDERGROUND COMPONENTS AS CLARIFIED BY THIS DRAWING. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FULLY REVIEW THE SITE CONDITIONS AND TO CORRELATE THESE OBSERVATIONS WITH THE PROJECT WORK AND INCLUDE ALL NECESSARY DEMOLITION, WHETHER SHOWN OR NOT, AND INCLUDE ALL SUCH COSTS IN THE SCOPE OF WORK.
- CLEARING: IT IS THE INTENT UNDER THE WORK OF THIS CONTRACT TO CONDUCT ALL CLEARING NECESSARY TO BE ABLE TO COMPLETE ALL THE WORK OF THIS PROJECT.
- CONTRACTOR SHALL LEGALLY DISPOSE ALL DEMOLISHED AND REMOVED MATERIALS OFF THE OWNER'S PROPERTY UNLESS INDICATED OTHERWISE.
- DEMOLITION WORK MAY OCCUR OUTSIDE OF PROJECT LIMIT.

TESC NOTES

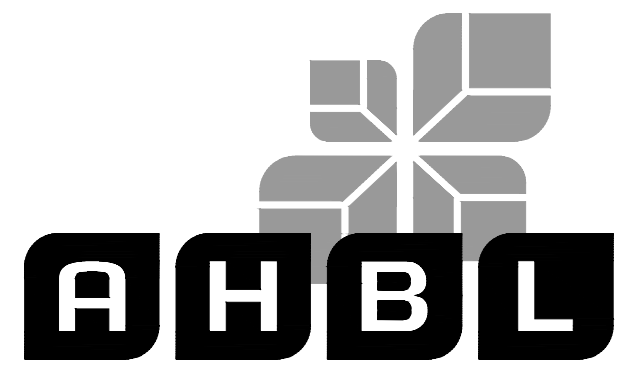
- APPROVAL OF THIS EROSION AND SEDIMENT CONTROL (ESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G., SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, RETENTION FACILITIES, UTILITIES, ETC.).
- THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT/ESC SUPERVISOR UNTIL ALL CONSTRUCTION IS APPROVED.
- THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED BY A CONTINUOUS LENGTH OF SURVEY TAPE (OR FENCING, IF REQUIRED) PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE CLEARING LIMITS SHALL BE PERMITTED. THE CLEARING LIMITS SHALL BE MAINTAINED BY THE APPLICANT/ESC SUPERVISOR FOR THE DURATION OF CONSTRUCTION.
- THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED PRIOR TO OR IN CONJUNCTION WITH ALL CLEARING AND GRADING SO AS TO ENSURE THAT THE TRANSPORT OF SEDIMENT TO SURFACE WATERS, DRAINAGE SYSTEMS, AND ADJACENT PROPERTIES IS MINIMIZED.
- THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND MODIFIED TO ACCOUNT FOR CHANGING SITE CONDITIONS (E.G., ADDITIONAL SUMP PUMPS, RELOCATION OF DITCHES AND SILT FENCES, ETC.).
- THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE APPLICANT/ESC SUPERVISOR AND MAINTAINED TO ENSURE CONTINUED PROPER FUNCTIONING. WRITTEN RECORDS SHALL BE KEPT OF WEEKLY REVIEWS OF THE ESC FACILITIES DURING THE WET SEASON (OCT. 1 TO APRIL 30) AND OF MONTHLY REVIEWS DURING THE DRY SEASON (MAY 1 TO SEPT. 30).
- ANY AREAS OF EXPOSED SOILS, INCLUDING ROADWAY EMBANKMENTS, THAT WILL NOT BE DISTURBED FOR TWO DAYS DURING THE WET SEASON OR SEVEN DAYS DURING THE DRY SEASON SHALL BE IMMEDIATELY STABILIZED WITH THE APPROVED ESC METHODS (E.G., SEEDING, MULCHING, PLASTIC COVERING, ETC.).
- ANY AREA NEEDING ESC MEASURES NOT REQUIRING IMMEDIATE ATTENTION SHALL BE ADDRESSED WITHIN FIFTEEN (15) DAYS.
- THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN FORTY-EIGHT (48) HOURS FOLLOWING A STORM EVENT.
- AT NO TIME SHALL MORE THAN ONE (1) FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT-LADEN WATER INTO THE DOWNSTREAM SYSTEM.
- STABILIZED CONSTRUCTION ENTRANCES AND ROADS SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES, SUCH AS WASH PADS, MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- ANY PERMANENT FLOW CONTROL FACILITY USED AS A TEMPORARY SETTLING BASIN SHALL BE MODIFIED WITH THE NECESSARY EROSION CONTROL MEASURES AND SHALL PROVIDE ADEQUATE STORAGE CAPACITY. IF THE FACILITY IS TO FUNCTION ULTIMATELY AS AN INFILTRATION SYSTEM, THE TEMPORARY FACILITY MUST BE GRADED SO THAT THE BOTTOM AND SIDES ARE AT LEAST THREE FEET ABOVE THE FINAL GRADE OF THE PERMANENT FACILITY.
- WHERE STRAW MULCH FOR TEMPORARY EROSION CONTROL IS REQUIRED, IT SHALL BE APPLIED AT A MINIMUM THICKNESS OF 2 TO 3 INCHES.
- PRIOR TO THE BEGINNING OF THE WET SEASON (OCT. 1), ALL DISTURBED AREAS SHALL BE REVIEWED TO IDENTIFY WHICH ONES CAN BE SEEDING IN PREPARATION FOR THE WINTER RAINS. DISTURBED AREAS SHALL BE SEEDING WITHIN ONE WEEK OF THE BEGINNING OF THE WET SEASON. A SKETCH MAP OF THESE AREAS TO BE SEEDING AND THOSE AREAS TO REMAIN UNCOVERED SHALL BE SUBMITTED TO THE CITY INSPECTOR. THE CITY INSPECTOR CAN REQUIRE SEEDING OF ADDITIONAL AREAS IN ORDER TO PROTECT SURFACE WATERS, ADJACENT PROPERTIES, OR DRAINAGE FACILITIES.
- UPON COMPLETION OF THE PROJECT, ALL DISTURBED AREAS MUST BE STABILIZED AND BEST MANAGEMENT PRACTICES REMOVED IF APPROPRIATE.

CONSTRUCTION SEQUENCE:

- HOLD A PRECONSTRUCTION MEETING WITH THE CITY AND OBTAIN REQUIRED PERMITS.
- ESTABLISH CLEARING AND GRADING LIMITS.
- CONSTRUCT TEMPORARY CONSTRUCTION ENTRANCE.
- CONSTRUCT PERIMETER DITCHES, SILT FENCES, AND OTHER EROSION CONTROL DEVICES AS SHOWN.
- CONSTRUCT PROTECTION DEVICES FOR CRITICAL AREAS AND SIGNIFICANT TREES PROPOSED FOR RETENTION.
- SCHEDULE AN EROSION CONTROL INSPECTION WITH THE CITY.
- CONSTRUCT STORM DRAINAGE FACILITIES. PROVIDE EMERGENCY OVERFLOW AS APPLICABLE.
- ALL DITCHES AND SWALES AS SHOWN SHALL BE PROVIDED TO DIRECT ALL SURFACE WATER TO THE SEDIMENTATION POND AS CLEARING AND GRADING PROGRESSES. NO UNCONTROLLED SURFACE WATER SHALL BE ALLOWED TO LEAVE THE SITE OR BE DISCHARGED TO A CRITICAL AREA AT ANY TIME DURING THE GRADING OPERATIONS.
- GRADING ACTIVITIES CAN BEGIN ONLY AFTER ALL DRAINAGE AND EROSION CONTROL MEASURES ARE IN PLACE.
- PROVIDE ROUTINE MAINTENANCE FOR EROSION CONTROL MEASURES AS REQUIRED.



APPROVED
 BY: *[Signature]*
 CITY OF PUYALLUP
 DEVELOPMENT ENGINEERING
 DATE: 06/07/2024
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.



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 SALISBURY, MARYLAND 21801
 Matt Smith

Project No.:
 2230491.11

Issue Set & Date:
ISSUE FOR PERMIT (REVISION A)
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NOTICE:
 ALTERATION OF THIS DOCUMENT SHALL VALIDATE THE PROFESSIONAL SEAL AND SIGNATURE. PUBLICATION OF THIS DOCUMENT DOES NOT REPRESENT THE ENGINEER'S ONLY RESPONSIBILITY. THE ENGINEER IS NOT RESPONSIBLE FOR THE PROJECT WORK OR FOR ANY OTHER PROJECT.

City of Puyallup Development & Permitting Services ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

Revisions:

Sheet Title:
DEMO AND TESC PLAN

Designed by: JI **Drawn by:** CM **Checked by:** TS

Sheet No.:
C1.00
 5 of 25 Sheets



CPFD

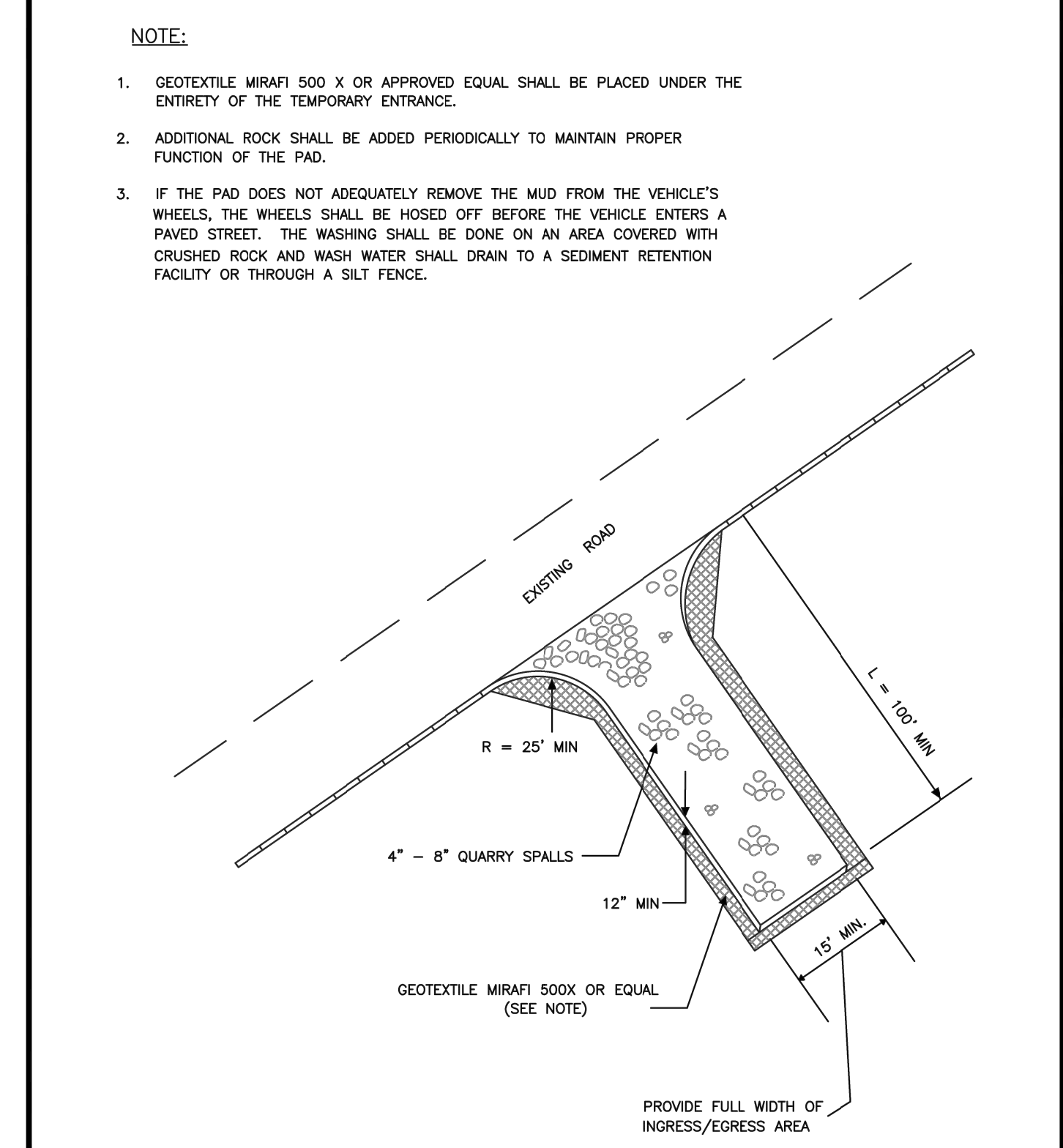
A PORTION OF THE NE 1/4 AND THE SE 1/4 OF SEC. 21, TWN. 20 N, RGE. 04 E, W.M. CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON

APPROVED
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 CITY OF PUYALLUP
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 DATE: 06/07/2024
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- 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	
	CHECKED BY: [Name] DATE APPROVED: [Date]	APPROVED BY: [Signature] DATE APPROVED: [Date]

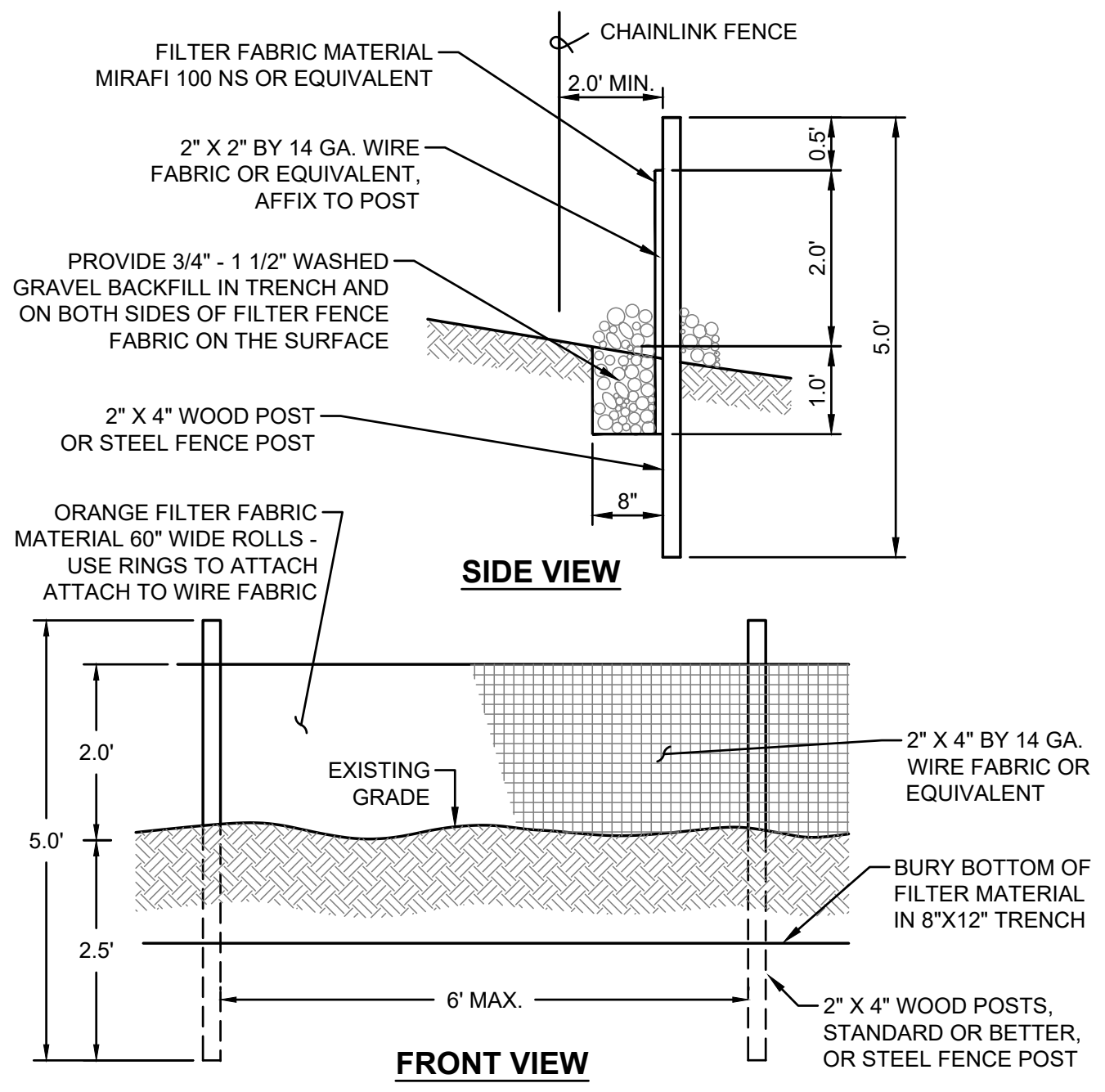


CITY OF PUYALLUP DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS	TEMPORARY CONSTRUCTION ENTRANCE	
	CHECKED BY: [Name] DATE APPROVED: [Date]	APPROVED BY: [Signature] DATE APPROVED: [Date]

DEMOLITION GENERAL NOTES

- CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL UTILITIES HAVE BEEN DISCONNECTED PRIOR TO COMMENCING DEMOLITION.
- DEMOLITION: IT IS THE INTENT OF THE WORK UNDER THIS CONTRACT TO INCLUDE THE DEMOLITION OF ALL EXISTING BUILDINGS, PAVING, UTILITIES AND OTHER EXISTING SITE IMPROVEMENTS INCLUDING THEIR UNDERGROUND COMPONENTS AS INDICATED BY THIS DRAWING AND AS REQUIRED FOR NEW CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FULLY REVIEW THE SITE CONDITIONS AND TO CORRELATE THESE OBSERVATIONS WITH THE PROJECT WORK AND INCLUDE ALL NECESSARY DEMOLITION, WHETHER SHOWN OR NOT, AND INCLUDE ALL SUCH COSTS IN THE BASE BID.
- CLEARING: IT IS THE INTENT OF THE WORK UNDER THIS CONTRACT TO CONDUCT ALL CLEARING NECESSARY TO BE ABLE TO COMPLETE ALL THE WORK OF THIS PROJECT.
- CONTRACTOR SHALL LEGALLY DISPOSE OF THE OWNER'S PROPERTY, ALL DEMOLISHED AND REMOVED MATERIALS, UNLESS INDICATED OTHERWISE.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLETELY COORDINATE UTILITY DEMOLITION WITH NEW CONSTRUCTION.
- ANY ABANDONED SIDE SEWER(S) SHALL BE PLUGGED OR CAPPED PER CITY OF PUYALLUP STANDARDS.
- CONTRACTOR SHALL MINIMIZE DUST GENERATION ON-SITE BY SPRINKLING THE SITE WITH WATER UNTIL SURFACE IS WET.
- REMOVE CONCRETE SIDEWALK AT THE NEAREST JOINT, UNLESS NOTED OTHERWISE.
- THIS PLAN IS USED IN CONJUNCTION WITH THE CSWPPP AND NPDES CONSTRUCTION STORM WATER PERMIT.
- ANY EXISTING UNDERGROUND STORAGE TANK TO BE REMOVED/ABANDONED PER DOE/DOH REGULATIONS. PROVIDE DOCUMENTATION OF REMOVAL/ABANDONMENT TO CITY INSPECTOR.
- COORDINATE TREE REMOVAL/RETENTION WITH LANDSCAPE PLANS.

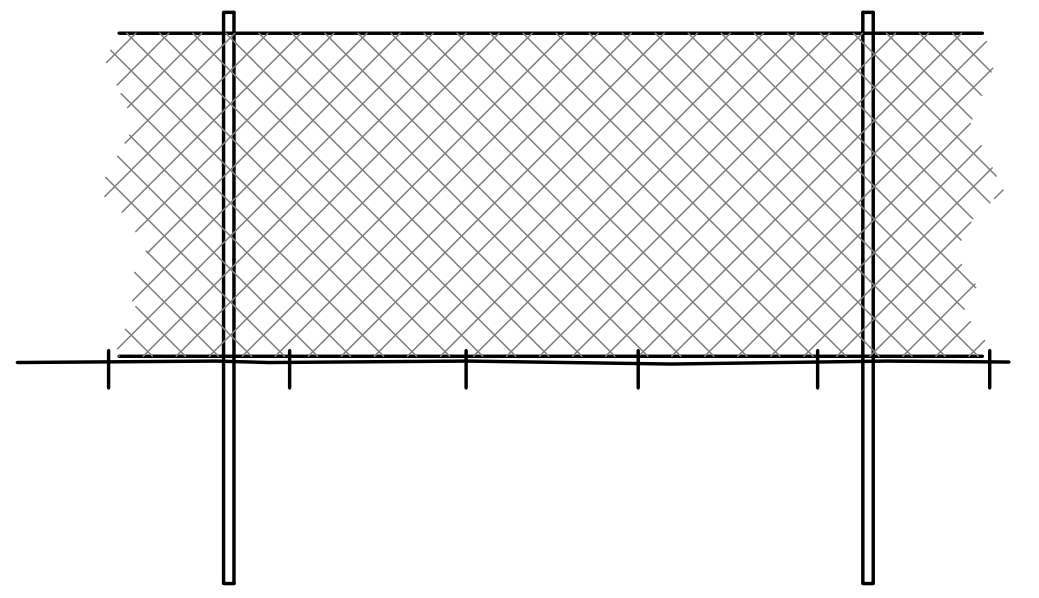
1 CONSTRUCTION ENTRANCE NOT TO SCALE



4 SILT FENCE NOT TO SCALE

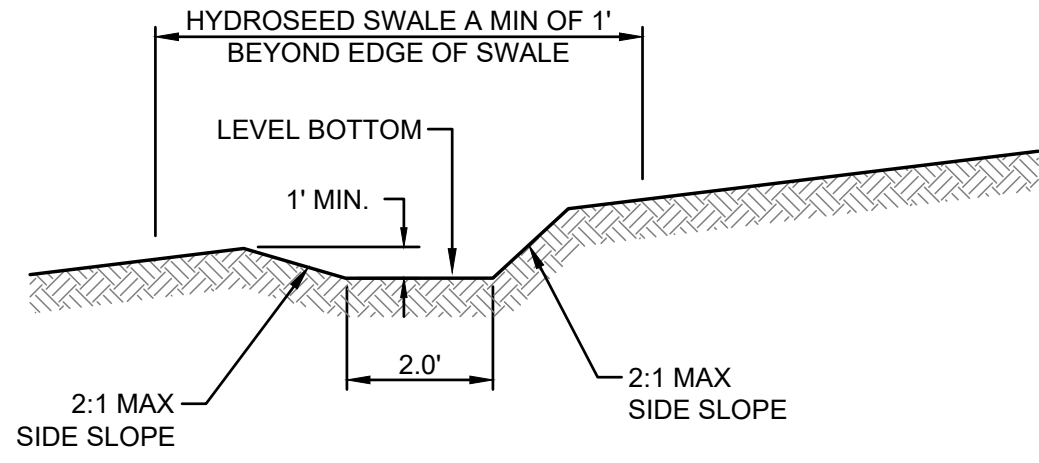
NOTES:

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

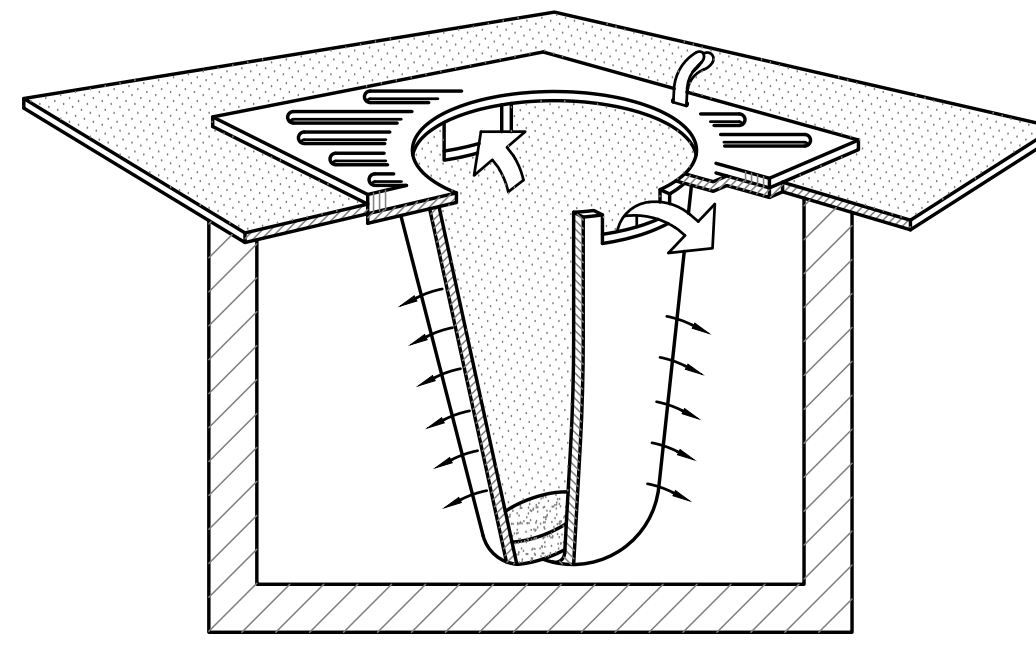


- THE TREE PROTECTION FENCE SHOULD BE MAINTAINED THROUGHOUT GRADING AND CONSTRUCTION AND SHALL NOT BE REMOVED UNTIL FINAL LANDSCAPING IS IN PROGRESS. AT NO TIME SHALL EQUIPMENT ENTER INTO THE ROOT PROTECTION ZONE (RPZ). ALL BRUSH CLEANUP WITHIN THE RPZ SHOULD BE COMPLETED BY HAND TO PREVENT DISTURBANCE OF NATIVE GROUND COVERS. NO CUTS OR FILLS OF UTILITY TRENCHING, MODIFICATIONS TO DRAINAGE, ETC. SHALL IMPACT THE RPZ. NO WIRES, CABLES, OR OTHER DEVICES SHOULD BE ATTACHED TO PROTECTED TREES DURING CONSTRUCTION.
- IF IMPACTS MUST OCCUR WITHIN THE RPZ, CONTACT THE LANDSCAPE ARCHITECT PRIOR TO THE OPERATIONS TO DETERMINE THE PROPER PROCEDURE TO PROTECT THE TREES HEALTH.
- CONTRACTOR SHALL REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

2 TREE PROTECTION FENCE NOT TO SCALE



5 INTERCEPTOR SWALE NOT TO SCALE



- NOTES:**
- FILTERS SHALL BE INSPECTED AFTER EACH STORM EVENT AND CLEANED OR REPLACED WHEN 1/3 FULL.
 - INSTALL INLET PROTECTION IN ALL NEW STORM STRUCTURES THAT WILL COLLECT STORMWATER AS THEY ARE INSTALLED.

3 INLET PROTECTION NOT TO SCALE

PLASTIC COVERING NOTES

- PLASTIC SHEETING SHALL HAVE A MINIMUM THICKNESS OF 6 MILS AND SHALL MEET THE REQUIREMENTS OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS SECTION 9-14.5(3).
- 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. SEAMS SHALL HAVE AT LEAST A 12 INCH OVERLAP.
- CLEAR PLASTIC COVERING SHALL BE INSTALLED IMMEDIATELY ON AREAS SEEDED BETWEEN NOVEMBER 1 AND MARCH 31 AND REMAIN UNTIL VEGETATION IS FIRMLY ESTABLISHED.
- WHEN COVERING IS USED ON UN-SEEDED SLOPES, IT SHALL BE KEPT IN PLACE UNTIL THE NEXT SEEDING PERIOD.
- PLASTIC COVERING SHALL BE BURIED TWO FEET AT THE TOP OF SLOPES IN ORDER TO PREVENT SURFACE WATER FLOW BENEATH SHEETS.
- PROPER MAINTENANCE OF COVERING INCLUDES, BUT IS NOT NECESSARILY LIMITED TO, REGULAR CHECKS FOR AND REPAIRS OF RIPS AND DISLODGED ENDS.

ESC MAINTENANCE REQUIREMENTS:

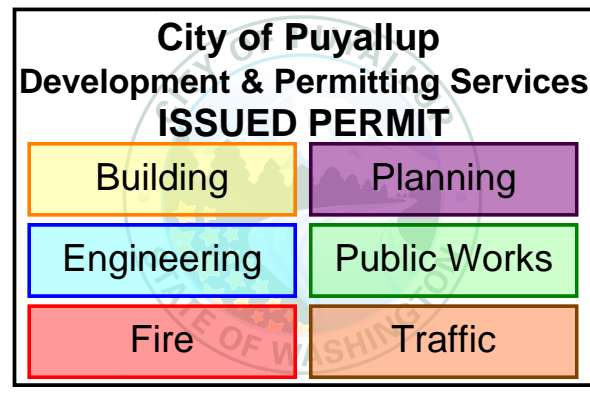
- EROSION AND SEDIMENTATION CONTROL FACILITIES SHALL BE INSPECTED AFTER EACH STORM EVENT AND DAILY DURING PROLONGED RAINFALL.
- NECESSARY REPAIRS OR REPLACEMENT OF FACILITIES SHALL BE ACCOMPLISHED PROMPTLY.
- SEDIMENT DEPOSITS SHALL BE REMOVED AFTER EACH STORM EVENT OR WHEN THE LEVEL OF DEPOSITION REACHES 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:

ESC HYDROSEEDING NOTES

- HYDROSEEDING SHALL BE APPLIED TO ALL DISTURBED NON-PAVED SURFACES WHERE INDICATED.
- HYDROSEEDING TO BE THE FOLLOWING MIXTURE:

TYPE OF MIXTURE	PROPORTIONS BY WEIGHT	PERCENT PURITY	PERCENT GERMINATION
PERENNIAL RYE GRASS	40%	90%	90%
CREeping RED FESCUE	40%	90%	90%
PREINOCULATED WHITE DUTCH CLOVER	10%	95%	90%
COLONIAL BENT GRASS	10%	90%	90%
- APPLICATION TO BE 100 LBS/ACRE.
- 500 LBS/ACRE 10-20-20 FERTILIZER, 2000 LBS/ACRE MULCH AND 40 LBS/ACRE SOIL STABILIZER TO BE APPLIED WITH SEED MIXTURE.

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City of Puyallup Development & Permitting Services ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

Revisions:

TESC PLAN NOTES & DETAILS

Designed by: JI Drawn by: CM Checked by: TS

Sheet No. **C1.01**
 6 of 25 Sheets



CPFD

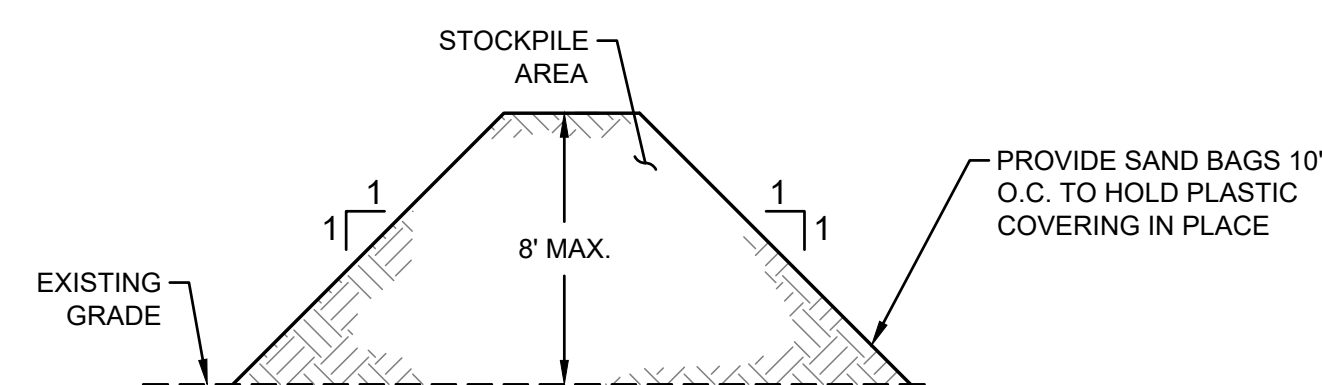
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DEVELOPMENT ENGINEERING

DATE 06/07/2024

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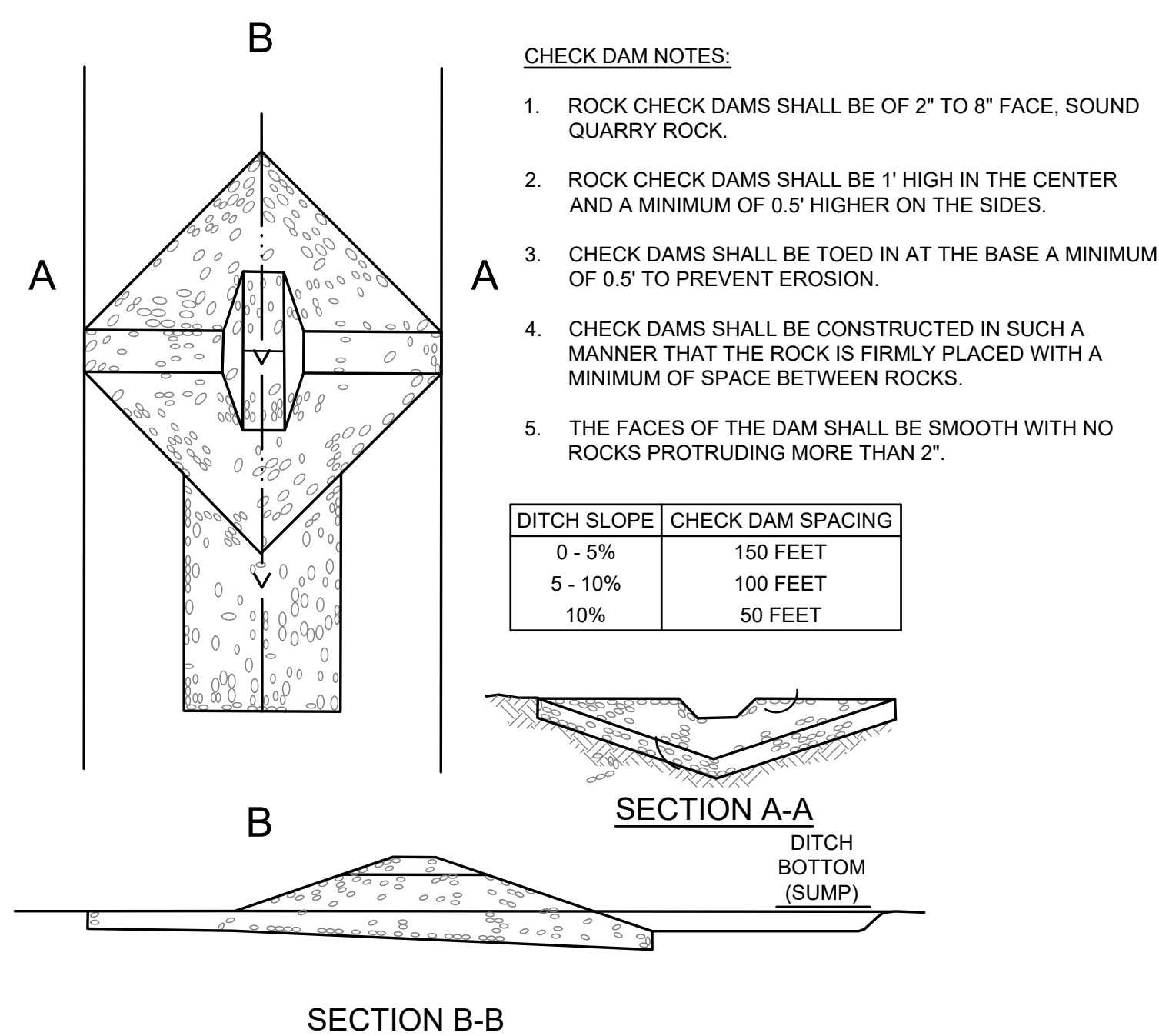
- NOTES:
- STOCKPILES SHALL BE STABILIZED WITH PLASTIC COVERING OR OTHER APPROVED DEVICE.
 - SEDIMENT LEACHING FROM STOCKPILES SHALL BE PREVENTED DURING ALL SEASONS.

SOIL STOCKPILE 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 STOCK PILES MUST BE PREVENTED.
- TOPSOIL SHALL NOT BE PLACED WHILE IN A 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.
- ALL STOCKPILES SHALL BE COVERED WITH PLASTIC COVERING. SEE PLASTIC COVERING NOTES ON THIS SHEET.

1 STOCKPILE COVERING

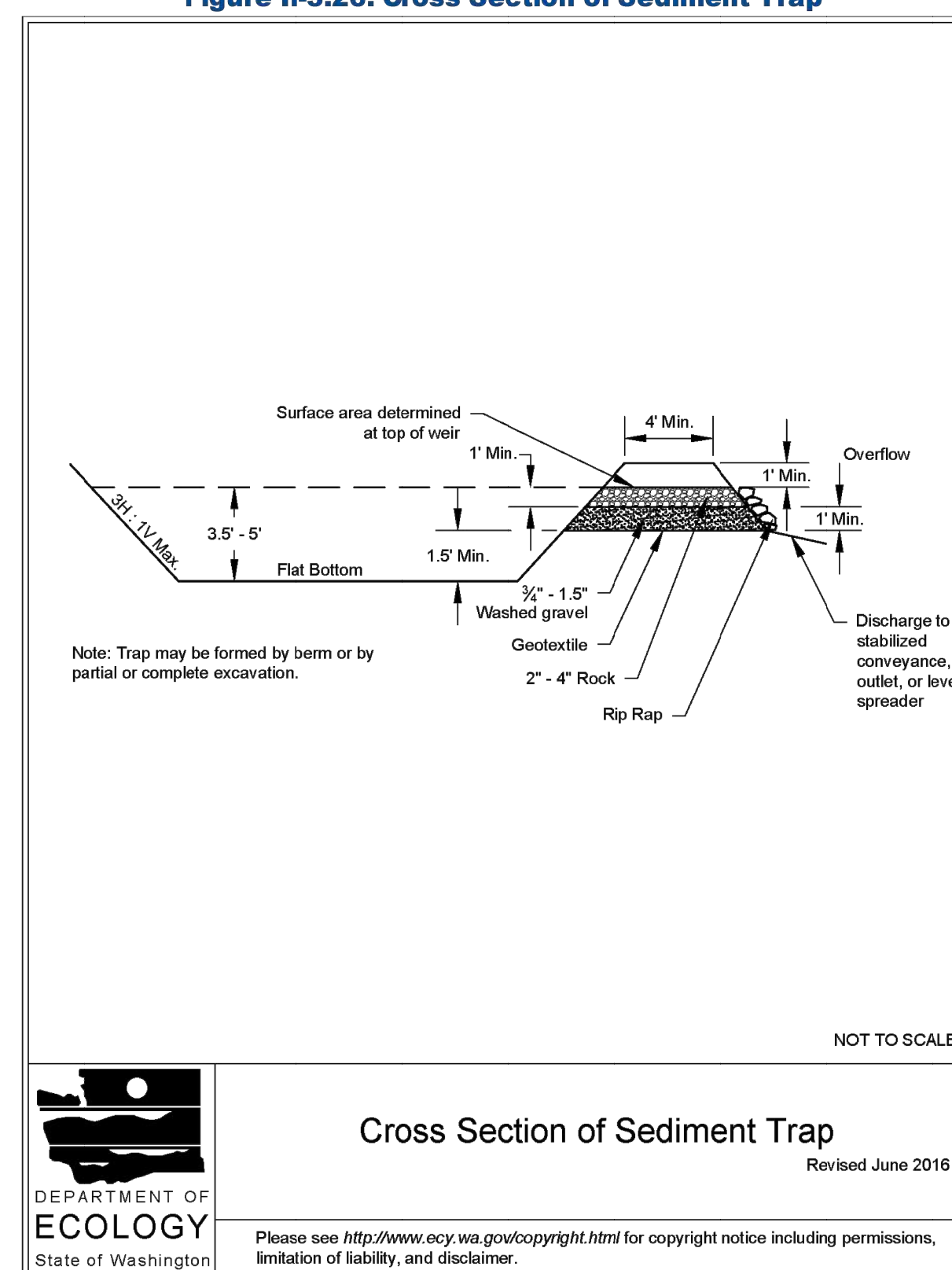
NOT TO SCALE



2 ROCK CHECK DAM

NOT TO SCALE

Figure II-3.26: Cross Section of Sediment Trap



2019 Stormwater Management Manual for Western Washington
Volume II - Chapter 3 - Page 386

3 TEMPORARY SEDIMENT TRAP

NOT TO SCALE



Project Title:

**COASTAL
PACIFIC FOOD
DISTRIBUTION
PUYALLUP**

Client:

AWB ENGINEERS

1942 NORTHWOOD DRIVE
SALISBURY, MARYLAND 21801

Matt Smith

Project No.

2230491.11

Issue Set & Date:

**ISSUE FOR PERMIT
(REVISION A)**

05/15/2024



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

Building	Planning
Engineering	Public Works
Fire	Traffic

Revisions:

Revisions:

Revisions:

Revisions:

Sheet Title:

TESC PLAN DETAILS

Designed by: JI Drawn by: CM Checked by: TS

Sheet No.

C1.02

7 of 25 Sheets

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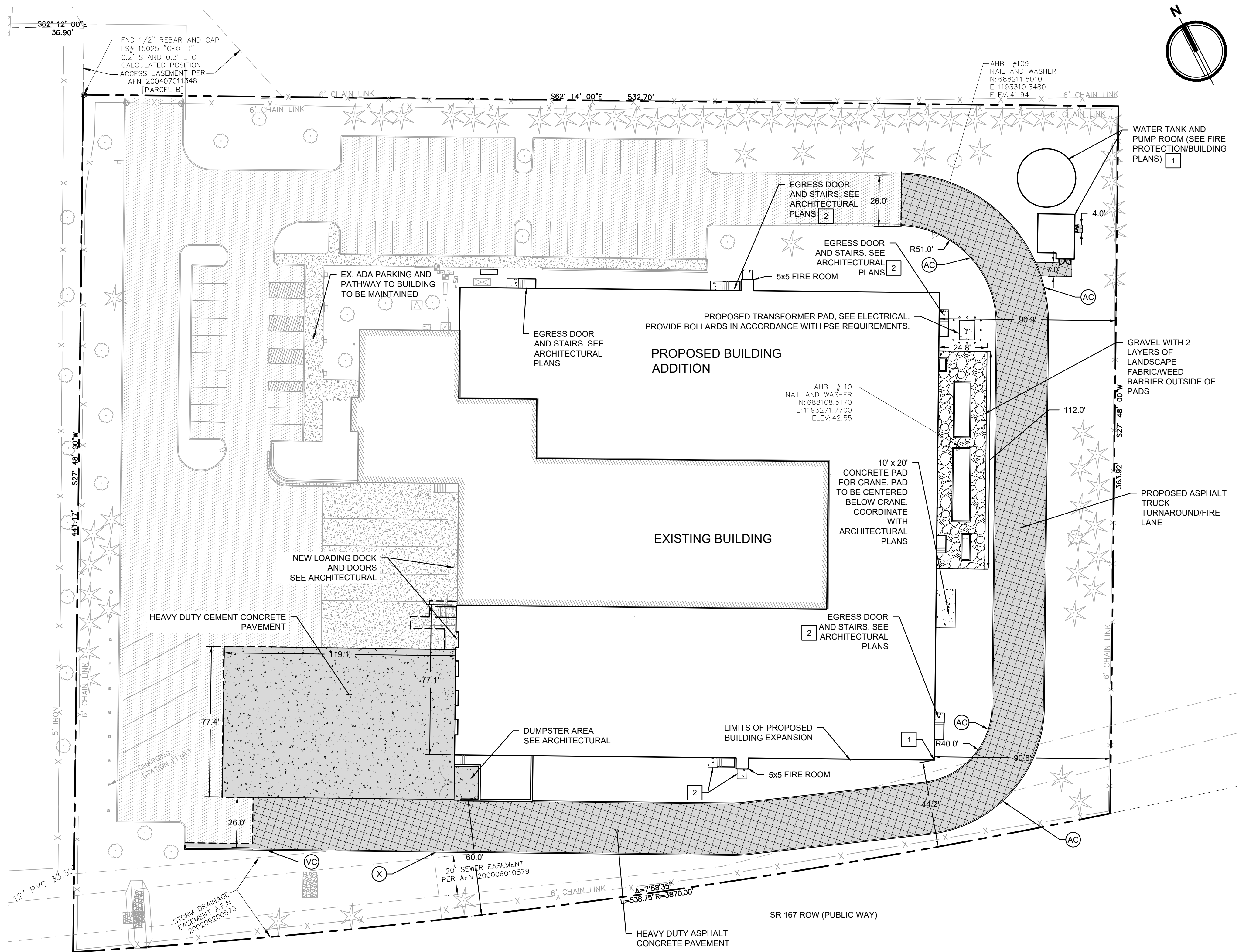
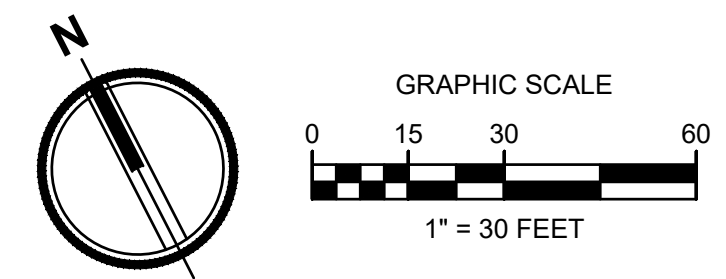
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DEVELOPMENT ENGINEERING

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- LEGEND:**
- RIGHT-OF-WAY/PROPERTY LINE
 - - - CENTERLINE
 - PROPOSED BUILDING OUTLINE
 - X X FENCING - REFER TO ARCHITECTS DRAWINGS.
 - 1 C2.01 ASPHALT PAVEMENT - STANDARD DUTY
 - 1 C2.01 ASPHALT PAVEMENT - HEAVY DUTY
 - 2 C2.01 CEMENT CONCRETE - STANDARD DUTY
 - 2 C2.01 CEMENT CONCRETE - HEAVY DUTY
 - 4" DEPTH, CRUSHED GRAVEL - WITH LANDSCAPE FABRIC
 - BOLLARD PROTECTION
 - (X) CHANGE IN CURB TYPE / END CURB
 - NC NO CURB
 - TE THICKENED EDGE
 - VC VERTICAL CURB (3 C2.01)
 - AC ASPHALT WEDGE CURB (6 C2.01)

- KEYNOTES**
- 1 PROPOSED STRUCTURE SHALL MAINTAIN 10' MIN. SEPARATION FROM PUBLIC WATER MAIN. SEE SHEET C6.0 FOR ADDITIONAL INFORMATION
 - 2 PROVIDE 5' x 5' CONCRETE SIDEWALK OUTSIDE EXIT DOOR/BOTTOM OF STAIRS (5 C2.01)

Project Title:
COASTAL PACIFIC FOOD DISTRIBUTION PUYALLUP

Client:
AWB ENGINEERS

1942 NORTHWOOD DRIVE
SALISBURY, MARYLAND 21801
Matt Smith

Project No.
2230491.11

Issue Set & Date:
ISSUE FOR PERMIT (REVISION A)
05/15/2024



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

Revisions:

Sheet Title:
HORIZONTAL CONTROL AND SURFACING PLAN

Designed by: Drawn by: Checked by:
JI CM TS

Sheet No.
C2.00
8 of 25 Sheets

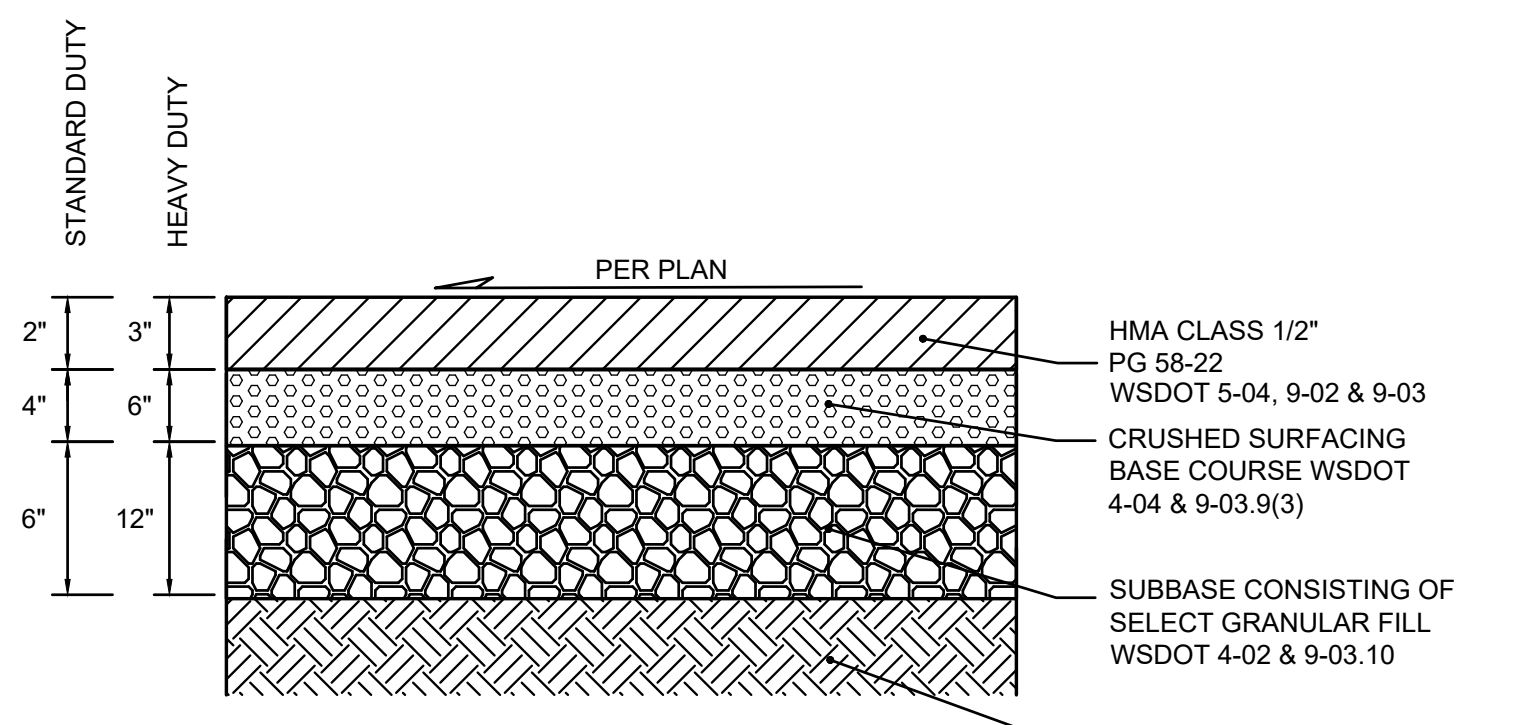


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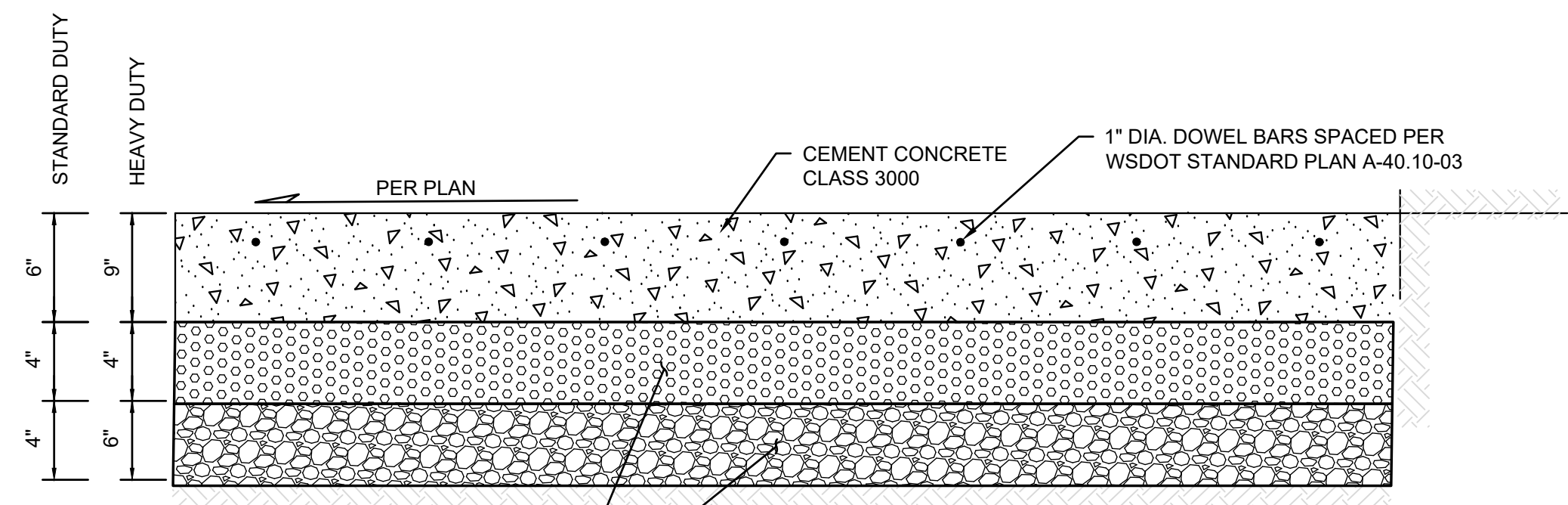
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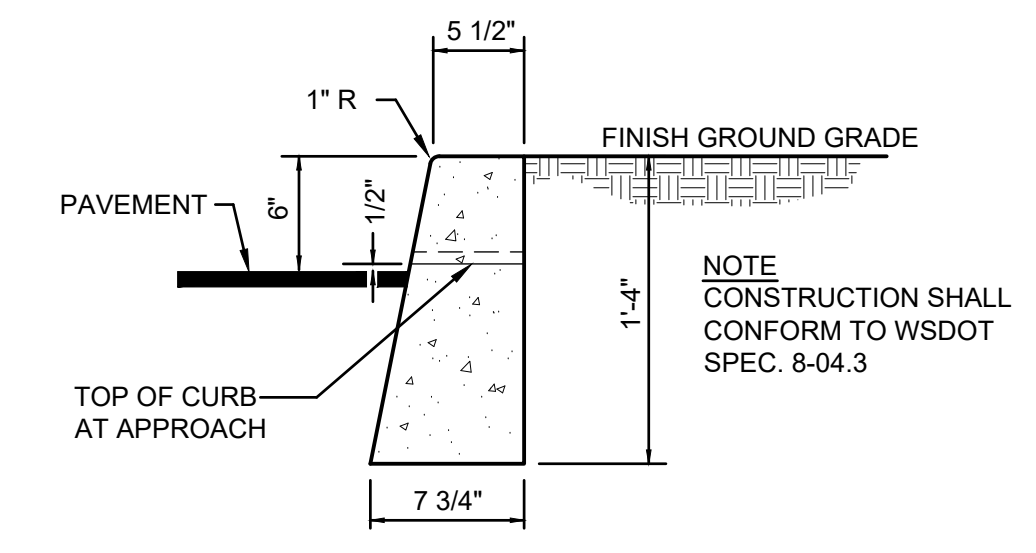
- NOTES:
- MATERIAL DEPTHS ARE COMPACTED THICKNESS.
 - CSBC AND SUBBASE SHOULD BE MOISTURE CONDITIONED TO NEAR OPTIMUM MOISTURE CONTENT AND COMPACTED TO AT LEAST 90 PERCENT OF THE MDD (ASTM D 1577).
 - CSBC SHOULD CONFORM TO APPLICABLE SECTIONS OF WSDOT 4-04 AND 9-03.9(3). SUBBASE SHOULD CONFORM TO APPLICABLE SECTIONS OF WSDOT 4-02 "GRAVEL BASE" AND 9-03.10 "AGGREGATE GRAVEL FOR BASE".

1 ASPHALT CONCRETE PAVEMENT SECTION
NOT TO SCALE

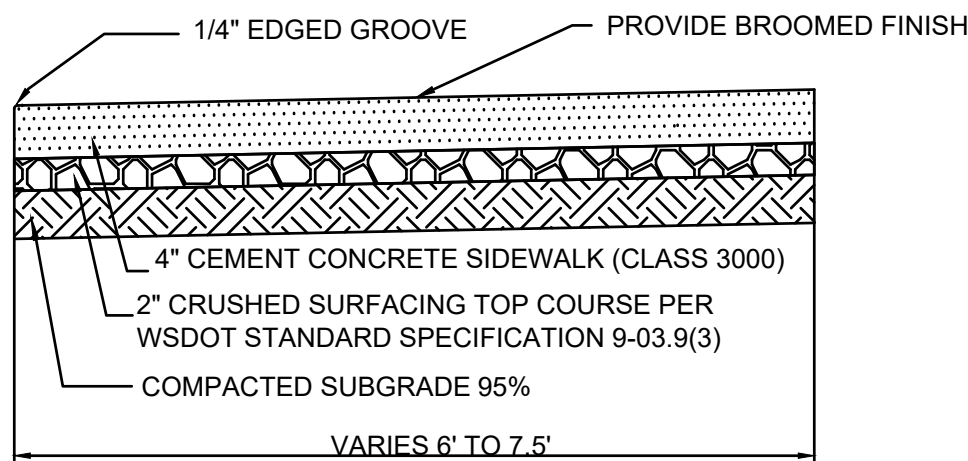


- NOTES:
- PAVEMENT JOINTS AND DOWEL SHALL BE PER WSDOT STANDARD PLAN A-40.10-03.
 - PCC SHALL HAVE MINIMUM 14-DAY FLEXURAL STRENGTH OF 650 PSI

2 CEMENT CONCRETE PAVEMENT SECTION
NOT TO SCALE

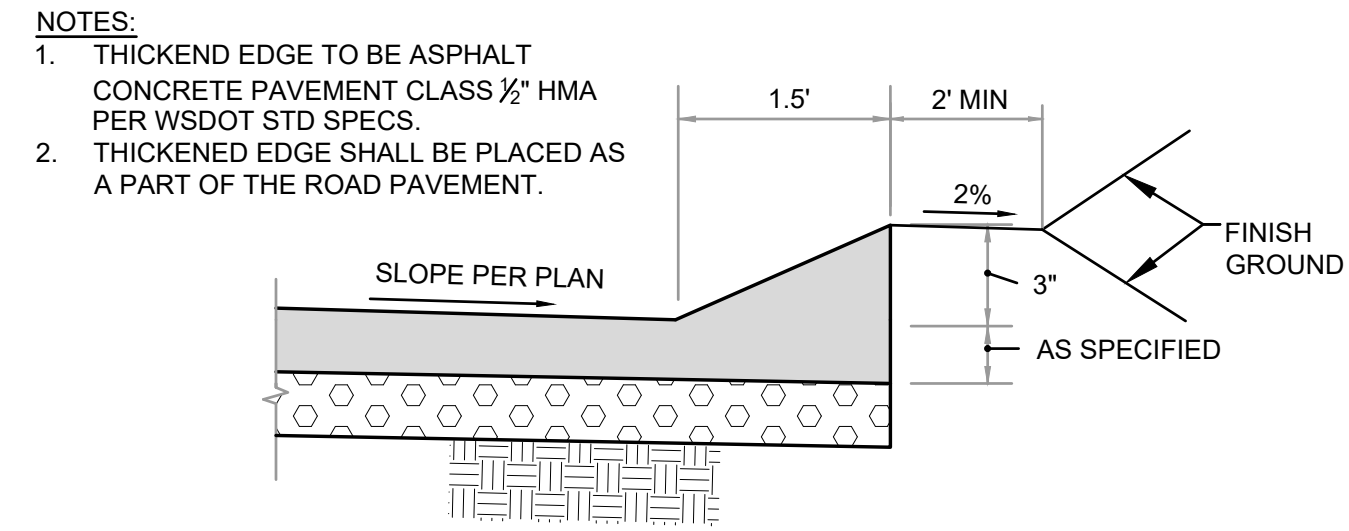


3 VERTICAL CURB
NOT TO SCALE



- NOTES:
- SUBGRADE COMPACTION FOR CONCRETE CURB AND WALKS SHALL BE 95% OF MAXIMUM DENSITY.
 - EXPANSION JOINTS CONSISTING OF 3/16" BY 2" PREMOLDED JOINT MATERIAL SHALL BE PLACED AT 15 FOOT INTERVALS; AT DRIVEWAY RETURNS, AND AROUND ALL UTILITY POLES, METER BOXES, ETC. IN SIDEWALKS.
 - CEMENT CONCRETE (PCC) SHALL HAVE A 14-DAY FLEXURAL STRENGTH OF 650 PSI.

5 CEMENT CONCRETE SIDEWALK
NOT TO SCALE



- NOTES:
- THICKENED EDGE TO BE ASPHALT CONCRETE PAVEMENT CLASS 1/2" HMA PER WSDOT STD SPECS.
 - THICKENED EDGE SHALL BE PLACED AS A PART OF THE ROAD PAVEMENT.

6 ASPHALT WEDGE CURB
NOT TO SCALE

Project Title:
COASTAL PACIFIC FOOD DISTRIBUTION PUYALLUP

Client:
AWB ENGINEERS

1942 NORTHWOOD DRIVE
 SALISBURY, MARYLAND 21801

Matt Smith

Project No.
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Issue Set & Date:
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City of Puyallup
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Building	Planning
Engineering	Public Works
Fire	Traffic

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Sheet Title:
SURFACING DETAILS

Designed by: Drawn by: Checked by:
 JI CM TS

Sheet No.
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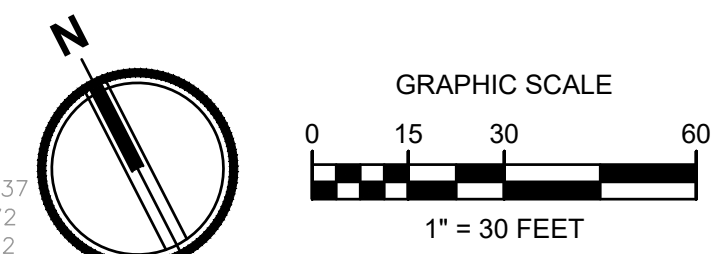
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 DEVELOPMENT ENGINEERING

DATE: 06/07/2024

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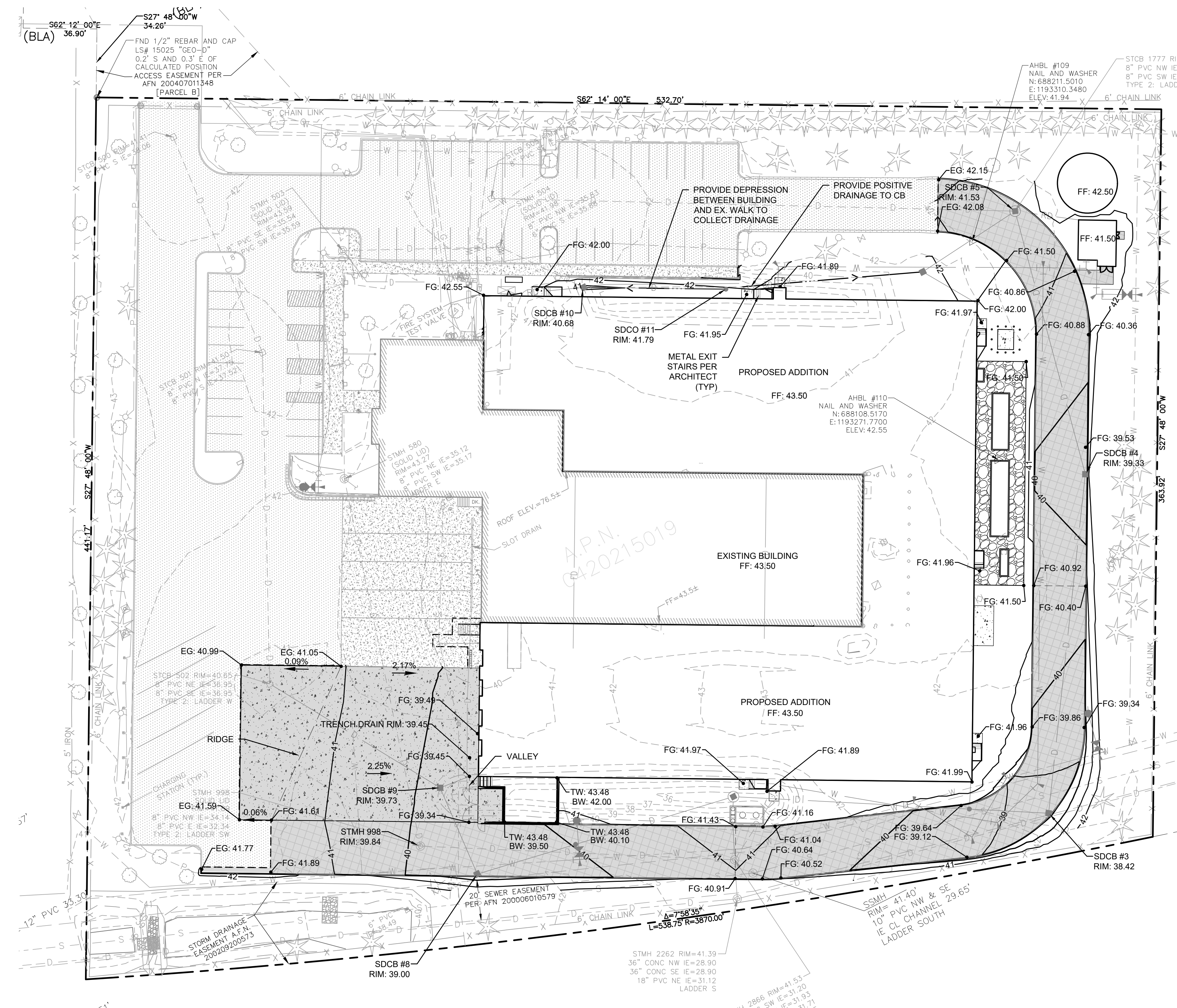


LEGEND

BC	BOTTOM OF CURB ELEVATION
EG	EXISTING GRADE ELEVATION
FG	FINISHED GRADE ELEVATION
TC	TOP OF CURB ELEVATION
X.X%	GRADE/SLOPE
---XXX---	EXISTING MAJOR CONTOUR
- - -XXX-	EXISTING MINOR CONTOUR
---XXX---	PROPOSED MAJOR CONTOUR
- - -XXX-	PROPOSED MINOR CONTOUR
---	GRADE BREAK
---	STORMWATER DRAINAGE PATH

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.
- 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 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.



Project Title:
COASTAL PACIFIC FOOD DISTRIBUTION PUYALLUP

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1942 NORTHWOOD DRIVE
 SALISBURY, MARYLAND 21801

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City of Puyallup
 Development & Permitting Services
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Engineering	Public Works
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Revisions:

Sheet Title:
GRADING PLAN

Designed by: JI **Drawn by:** CM **Checked by:** TS

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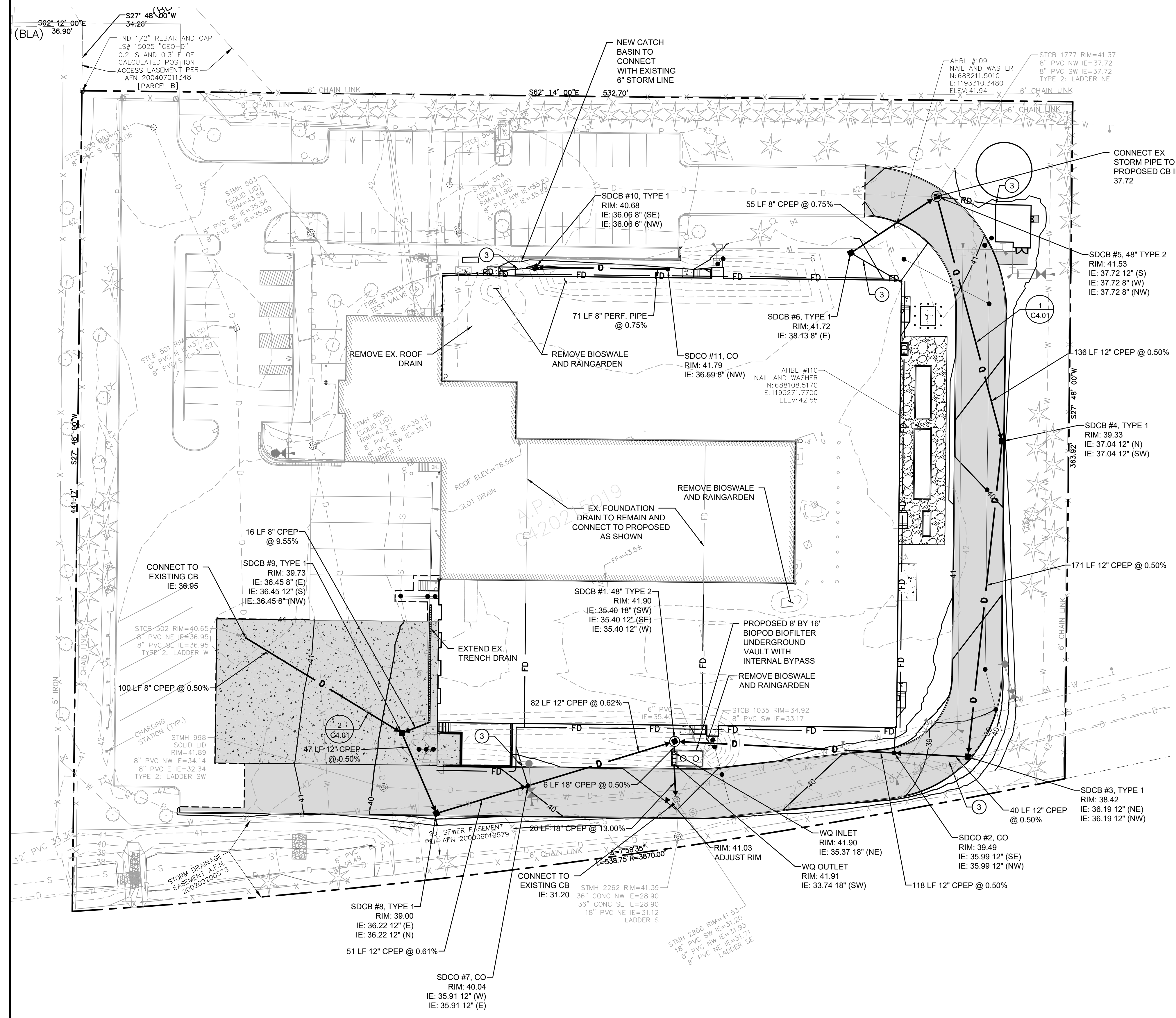
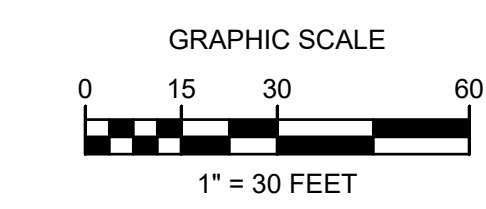
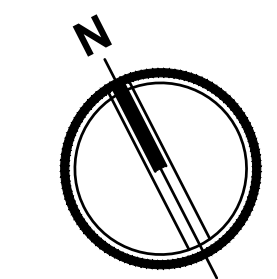


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DEVELOPMENT ENGINEERING
DATE: 06/07/2024

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.



STORM KEYNOTES

- ① ADJUST GRATE TO PROPOSED RIM ELEVATION.
- ② PROVIDE CLEANOUTS TWO FEET AWAY FROM BUILDING. SEE MECHANICAL PLANS FOR CONTINUATION.
- ③ CONNECT ROOF DRAINS TO STORM DRAINAGE LINE

STORM DRAINAGE NOTES:

1. BARE GALVANIZED METAL SHALL NOT BE USED FOR MATERIALS THAT CONVEY STORMWATER, SUCH AS ROOFS, CANOPIES, SIDING, GUTTERS, DOWNSPOUTS, ROOF DRAINS AND PIPES. ANY GALVANIZED MATERIALS SHALL HAVE AN INERT, NON-LEACHALBE FINISH, SUCH AS BAKED ENAMEL, FLUOROCARBON PAINT (SUCH AS KYNAR OR HYLAR), FACTORY-APPLIED EPOXY, PURE ALUMINUM, OR ASPHALT COATING. ACRYLIC PAINT, POLYESTER PAINT, FIELD-APPLIED, AND PART ZINC (SUCH AS GALVALUME) COATINGS ARE NOT ACCEPTABLE.
2. BURIED UTILITIES ARE SHOWN IN THEIR APPROXIMATE LOCATION. PRIOR TO INSTALLATION OF ANY PROJECT IMPROVEMENTS, CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF EXISTING UTILITIES. IN THE EVENT OF ANY DISCREPANCY FROM THE INFORMATION PRESENTED ON THESE PLANS, CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER.
3. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT QUANTITY AND LOCATION OF DOWNSPOUTS.
4. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATIONS OF RAIN LEADERS.
5. ALL STORM PIPES CONNECTING TO CONCRETE STRUCTURES SHALL BE GROUTED TO ASSURE CONNECTION AT STRUCTURE IS WATERTIGHT.
6. ROOF AND FOOTING DRAIN TIGHT LINES ARE LOCATED ON DRAWINGS FOR CLARITY AND ARE TO BE INSTALLED IN ACCORDANCE WITH APPLICABLE CODES. ALL STORM DRAINAGE AND ROOF DRAIN LINE CLEANOUTS SHALL COMPLY WITH THE CLEANOUT DETAIL.
7. ALL STORM DRAINAGE PIPE SHALL BE CPEP UNLESS NOTED OTHERWISE.
8. ALL ROOF DRAINS SHALL BE 6"Ø WITH A MINIMUM SLOPE OF 1.00% AND MINIMUM COVER OF 3' UNLESS NOTED OTHERWISE. PIPE MATERIAL SHALL BE PVC SDR35 UNLESS NOTED OTHERWISE.

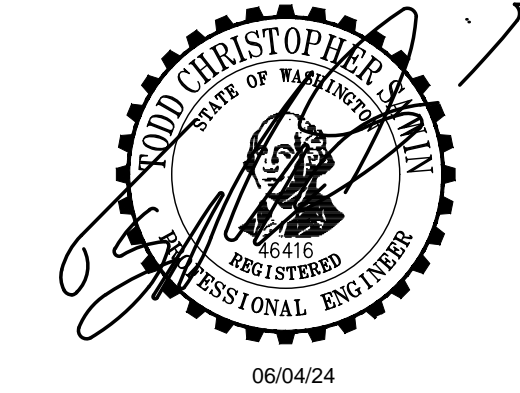
Project Title:
COASTAL PACIFIC FOOD DISTRIBUTION PUYALLUP

Client:
AWB ENGINEERS

1942 NORTHWOOD DRIVE
SALISBURY, MARYLAND 21801
Matt Smith

Project No.
2230491.11

Issue Set & Date:
ISSUE FOR PERMIT (REVISION A)
05/15/2024



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City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

Revisions:

Sheet Title:
STORM DRAINAGE PLAN

Designed by: *JI* Drawn by: *CM* Checked by: *TS*

Sheet No.
C4.00
11 of 25 Sheets



CPFD

A PORTION OF THE NE 1/4 AND THE SE 1/4 OF SEC. 21, TWN. 20 N, RGE. 04 E, W.M. CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON

APPROVED

BY: *[Signature]*
CITY OF PUYALLUP
DEVELOPMENT ENGINEERING

DATE: 06/07/2024

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Project Title:
COASTAL PACIFIC FOOD DISTRIBUTION PUYALLUP

Client:
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1942 NORTHWOOD DRIVE
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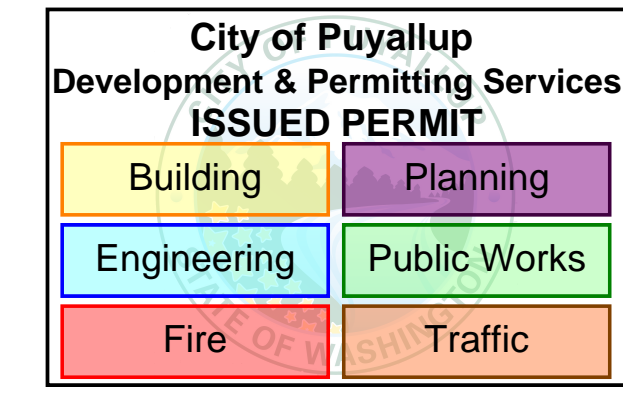
Matt Smith

Project No.
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05/15/2024



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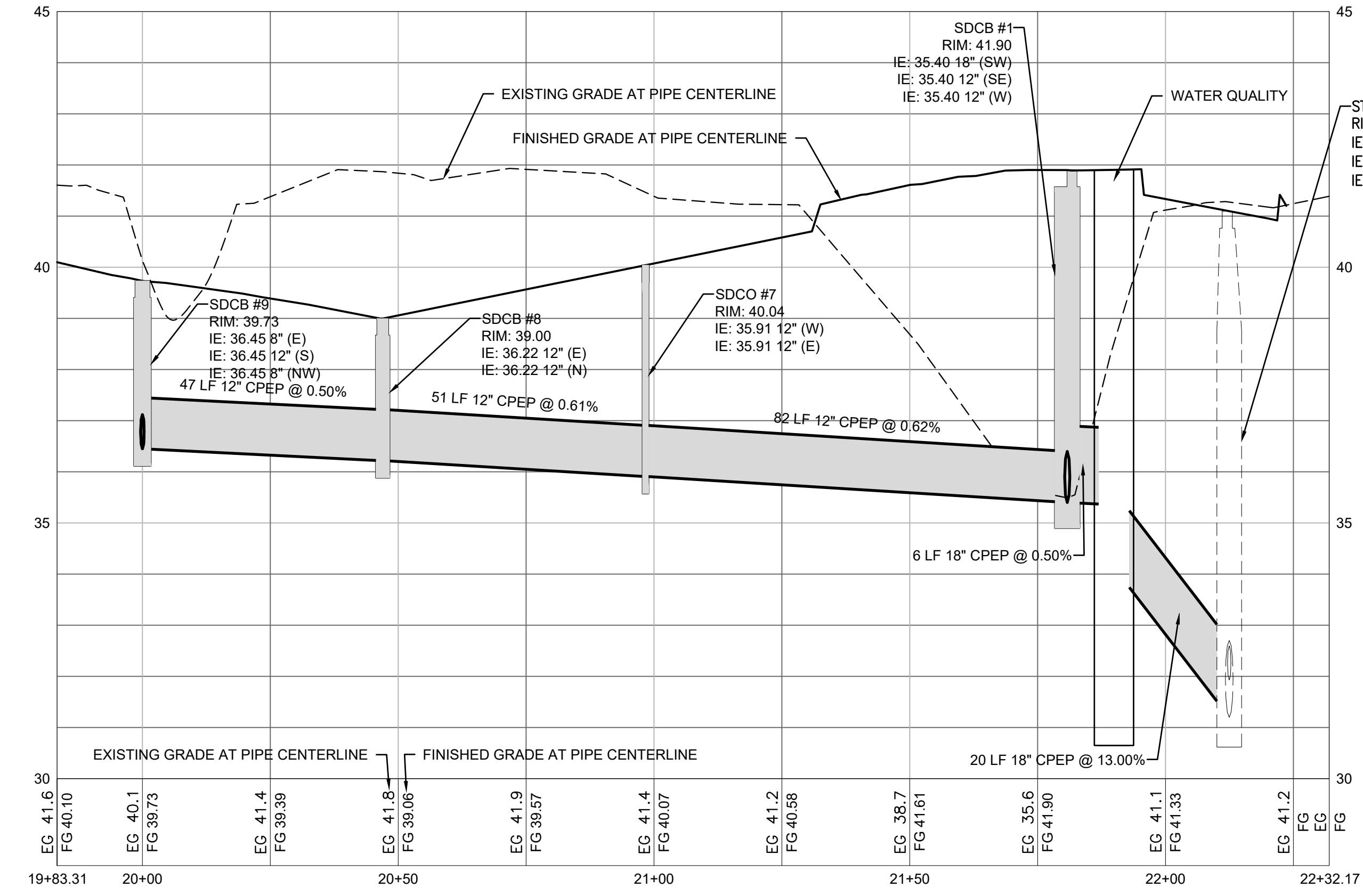
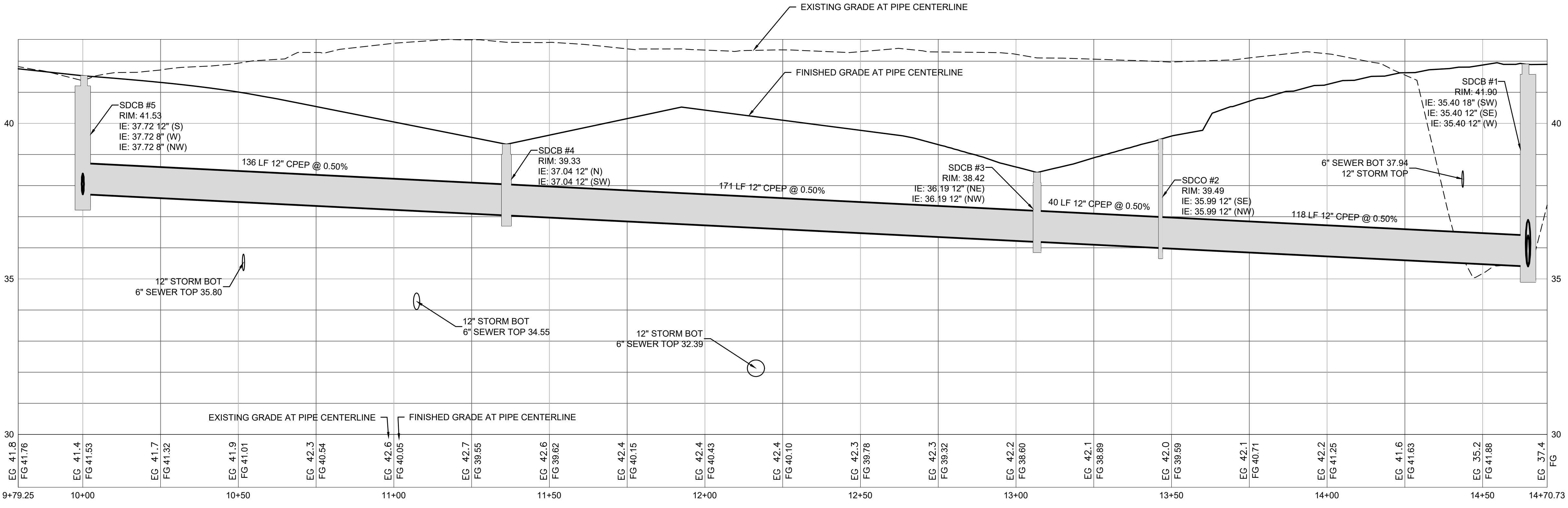


Revisions:

Sheet Title:
STORM PROFILES

Designed by: JI Drawn by: CM Checked by: TS

Sheet No.
C4.01
12 of 25 Sheets



CPFD

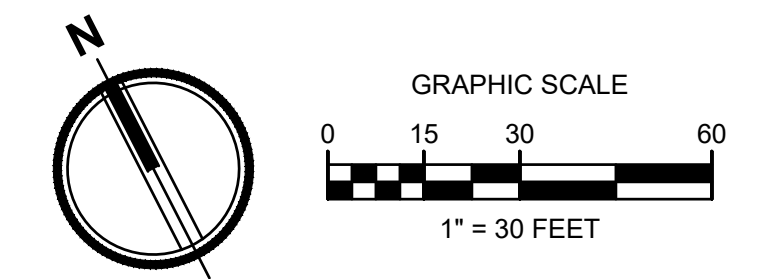
A PORTION OF THE NE 1/4 AND THE SE 1/4 OF SEC. 21, TWN. 20 N, RGE. 04 E, W.M. CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON

APPROVED

BY: *[Signature]*
 CITY OF PUYALLUP
 DEVELOPMENT ENGINEERING

DATE: 06/07/2024

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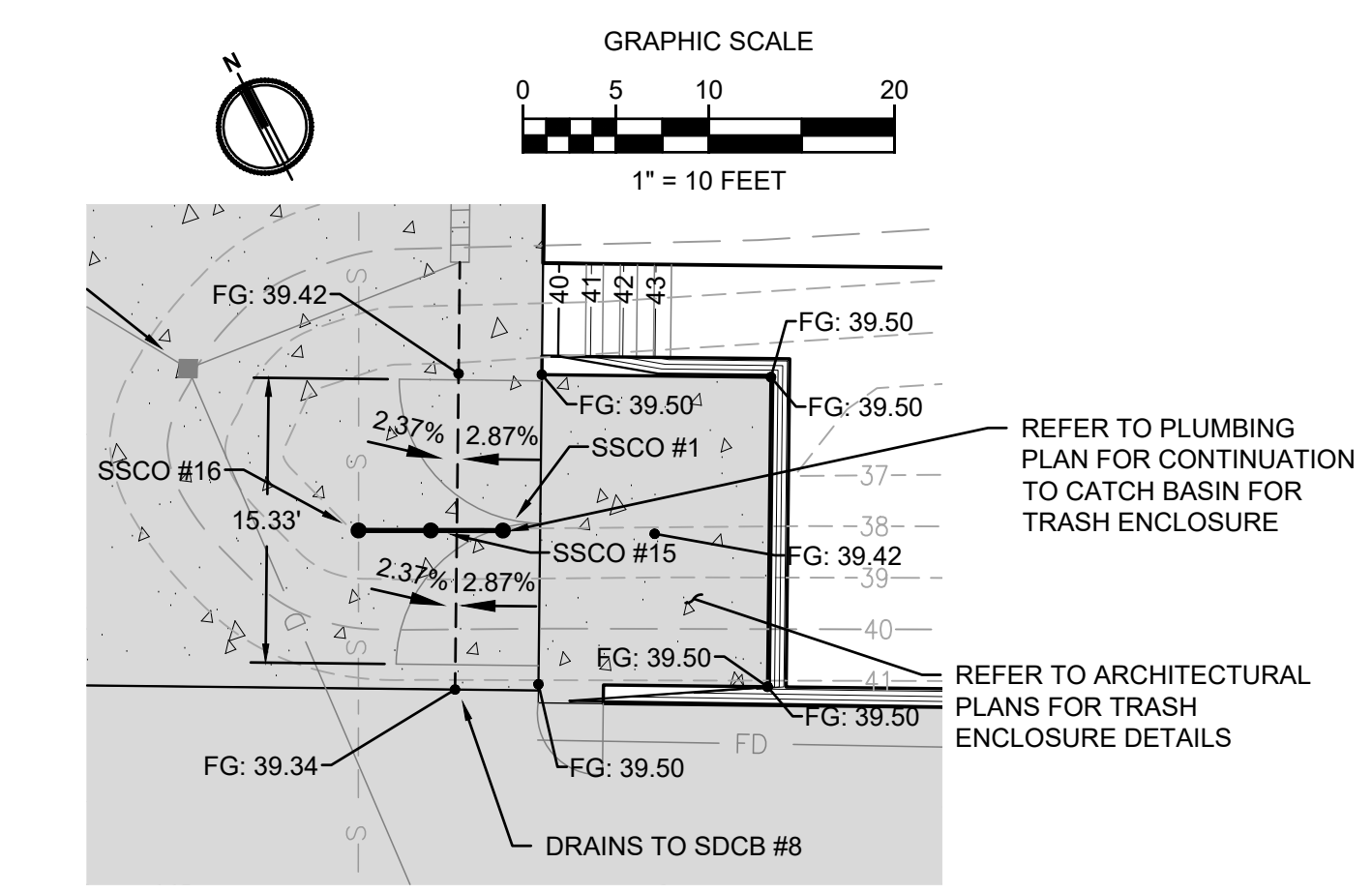


- LEGEND:**
- BUILDING OUTLINE
 - XXX--- PROPOSED CONTOUR MINOR
 - XXX--- PROPOSED CONTOUR MAJOR
 - CLEANOUT
 - SANITARY SEWER MANHOLE
 - S SANITARY SEWER
 - PVC POLYVINYL CHLORIDE PIPE

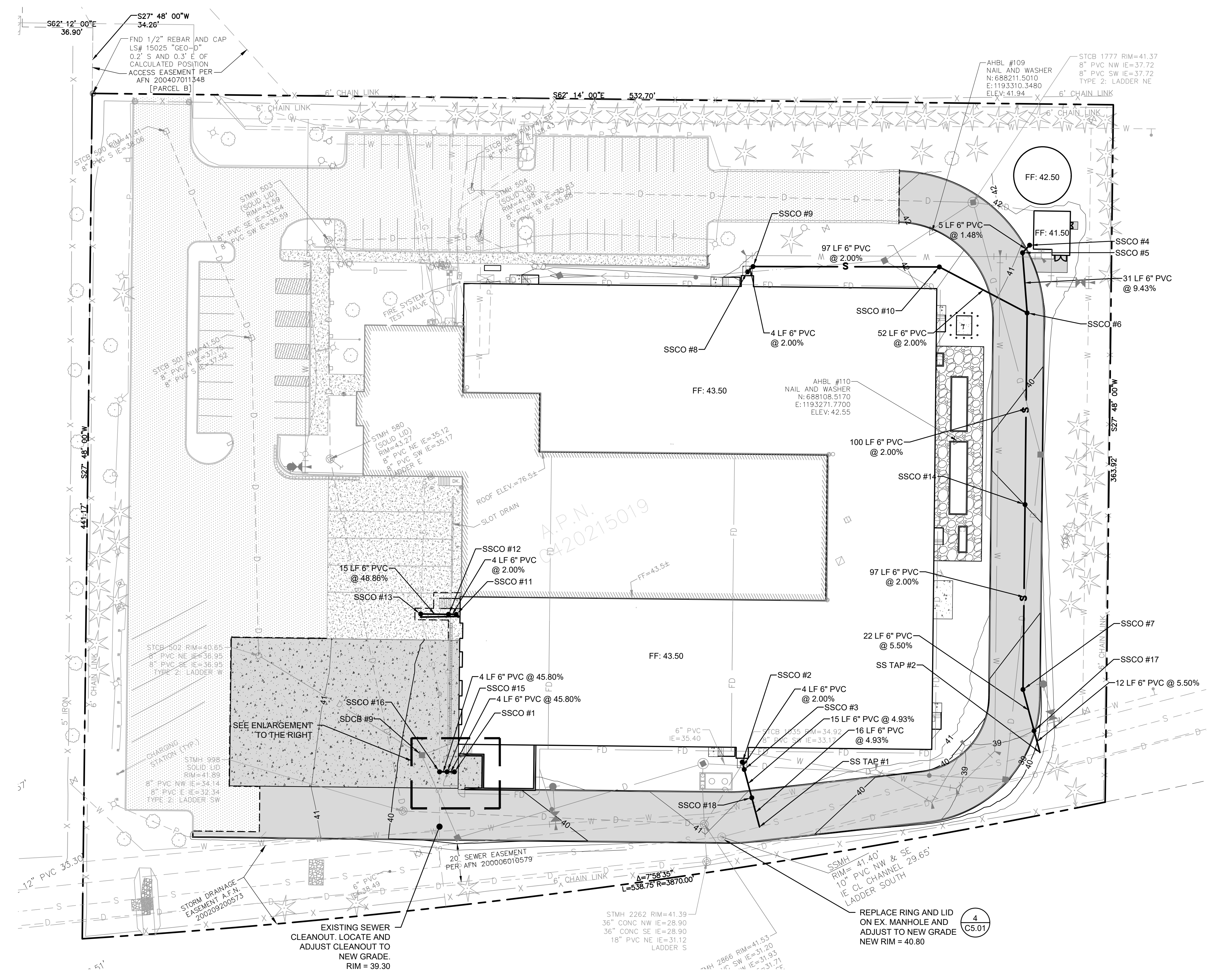
- KEYNOTES**
- 1 PROVIDE COMMERCIAL SIDE SEWER CONNECTION WITH SAMPLING TEE PER CITY DETAIL 04.03.04. SEE PLUMBING PLAN FOR CONTINUATION INSIDE BUILDING. PROVIDE 4" TO 6" REDUCER AT CONNECTION TO PLUMBING AS NECESSARY. (C5.01) (C5.01)
 - 2 CONNECT TO EX. MAIN WITH MAIN TAP PER CITY DETAIL 04.02.01 (C5.01)
 - 3 VERIFY EXISTING INVERT PRIOR TO CONSTRUCTION.
 - 4 SEE PLUMBING PLAN FOR CONTINUATION
 - 5 CLEANOUT LOCATED JUST OUTSIDE OF SEWER EASEMENT

STRUCTURE NAME	STRUCTURE DETAILS	
SS TAP #1 N 687975.82 E 1193088.39	IE 36.39 (6" N)	2 3
SS TAP #2 N 687943.70 E 1193236.27	IE 29.15 (6" N)	2 3
SSCO #1 N 688073.95 E 1192959.86	RIM = 39.44 IE 31.89 (6" NW)	1 4
SSCO #2 N 688010.03 E 1193095.82	RIM = 41.85 IE 38.00 (6" S)	1 4
SSCO #3 N 688006.12 E 1193094.97	RIM = 41.77 IE 37.92 (6" N) IE 37.92 (6" S)	1
SSCO #4 N 688181.72 E 1193352.19	RIM = 41.50 IE 38.00 (6" W)	1 4
SSCO #5 N 688179.91 E 1193347.11	RIM = 40.96 IE 37.92 (6" E) IE 37.92 (6" SW)	1
SSCO #6 N 688150.87 E 1193334.92	RIM = 40.58 IE 34.95 (6" NE) IE 34.95 (6" NW) IE 34.95 (6" SW)	3
SSCO #7 N 687976.96 E 1193243.40	RIM = 39.57 IE 31.02 (6" NE) IE 31.02 (6" S)	5
SSCO #8 N 688236.46 E 1193214.88	RIM = 41.91 IE 38.00 (6" E)	1 4

STRUCTURE NAME	STRUCTURE DETAILS	
SSCO #9 N 688237.62 E 1193218.71	RIM = 41.94 IE 37.92 (6" W) IE 37.92 (6" SE)	1
SSCO #10 N 688193.11 E 1193305.11	RIM = 42.08 IE 35.98 (6" NW) IE 35.98 (6" SE)	1
SSCO #11 N 688146.68 E 1192998.13	RIM = 39.65 IE 35.50 (6" NW)	1 4
SSCO #12 N 688148.53 E 1192994.58	RIM = 39.68 IE 35.42 (6" SE) IE 35.42 (6" NW)	1
SSCO #13 N 688155.31 E 1192981.75	RIM = 39.93 IE 28.33 (6" SE)	3
SSCO #14 N 688062.37 E 1193288.35	RIM = 39.99 IE 32.95 (6" NE) IE 32.95 (6" SW)	1 4
SSCO #15 N 688075.73 E 1192956.40	RIM = 39.41 IE 30.11 (6" SE) IE 30.11 (6" NW)	1
SSCO #16 N 688077.50 E 1192952.94	RIM = 39.50 IE 28.33 (6" SE)	3
SSCO #17 N 687955.15 E 1193238.72	RIM = 38.99 IE 29.79 (6" N) IE 29.79 (6" S)	5
SSCO #18 N 687991.18 E 1193091.73	RIM = 40.91 IE 37.17 (6" N) IE 37.17 (6" S)	5



1 TRASH ENCLOSURE ENLARGEMENT
SCALE: 1" = 10'



Project Title:
COASTAL PACIFIC FOOD DISTRIBUTION PUYALLUP

Client:
 AWB ENGINEERS
 1942 NORTHWOOD DRIVE
 SALISBURY, MARYLAND 21801
 Matt Smith

Project No.:
 2230491.11

Issue Set & Date:
ISSUE FOR PERMIT (REVISION A)
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City of Puyallup Development & Permitting Services ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

Revisions:

Sheet Title: **SEWER PLAN**

Designed by: *JI* Drawn by: *CM* Checked by: *TS*

Sheet No. **C5.00**
 14 of 25 Sheets



CPFD

A PORTION OF THE NE 1/4 AND THE SE 1/4 OF SEC. 21, TWN. 20 N, RGE. 04 E, W.M. CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON

APPROVED
BY: [Signature]
CITY OF PUYALLUP
DEVELOPMENT ENGINEERING
DATE: 06/07/2024
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SANITARY SEWER NOTES:

- ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE CITY OF PUYALLUP. PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE ENGINEERING PLANS, REPRESENTATIVES FROM ALL APPLICABLE UTILITY COMPANIES, THE PROJECT OWNER AND APPROPRIATE CITY STAFF. CONTACT ENGINEERING SERVICES TO SCHEDULE THE MEETING (253) 841-5568. THE CONTRACTOR IS RESPONSIBLE TO HAVE THEIR OWN APPROVED SET OF PLANS AT THE MEETING.
- AFTER COMPLETION OF ALL ITEMS SHOWN ON THESE PLANS AND BEFORE ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL OBTAIN A "PUNCH LIST" PREPARED BY THE CITY'S INSPECTOR DETAILING REMAINING ITEMS OF WORK TO BE COMPLETED. ALL ITEMS OF WORK SHOWN ON THESE PLANS SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF THE SEWER SYSTEM AND PROVISION OF SANITARY SEWER SERVICE.
- 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.
- MINIMUM GRADE ON ALL 4 INCH RESIDENTIAL SIDE SEWERS SHALL BE 2 PERCENT AND 6 INCH COMMERCIAL SIDE SEWERS SHALL BE 1 PERCENT; MAXIMUM SHALL BE 8 PERCENT. ALL SIDE SEWERS SHALL BE 6 INCHES WITHIN CITY RIGHT-OF-WAY.

- SIDE SEWERS SHALL BE INSTALLED IN ACCORDANCE WITH CITY STANDARD NOS. 04.03.01, 04.03.02, 04.03.03 AND 04.03.04. SIDE SEWER INSTALLATION WORK SHALL BE DONE IN ACCORDANCE WITH THE WASHINGTON INDUSTRIAL SAFETY AND HEALTH ACT (WISHA).
- ALL SEWER PIPE SHALL BE PVC, POLYPROPYLENE, OR DUCTILE IRON. PVC SEWER PIPE SHALL CONFORM TO ASTM D-3034, SDR35 FOR PIPE SIZES 15-INCH AND SMALLER AND ASTM F679 FOR PIPE SIZES 18- TO 27-INCH. DUCTILE IRON PIPE SHALL BE CLASS 51 OR GREATER, LINED WITH PROTECTO 401TM EPOXY LINING OR EQUIVALENT, UNLESS OTHERWISE NOTED. 12-INCH THROUGH 30-INCH POLYPROPYLENE PIPE (PP) SHALL BE DUAL WALLED, HAVE A SMOOTH INTERIOR AND EXTERIOR CORRUGATIONS AND MEET WSDOT 9-05.24(2). IT SHALL MEET OR EXCEED ASTM F2764. 36-INCH THROUGH 60-INCH PP PIPE SHALL BE TRIPLE WALLED AND MEET WSDOT 9-05.24(2). IT SHALL MEET OR EXCEED ASTM F2764. PP SHALL HAVE A MINIMUM PIPE STIFFNESS OF 46 PII WHEN TESTED IN ACCORDANCE WITH ASTM D2412. TESTING SHALL BE PER ASTM F1417. TRENCHING, BEDDING, AND BACKFILL SHALL BE IN ACCORDANCE WITH CITY STANDARD NO. 06.01.01. MINIMUM COVER ON PVC AND PP PIPE SHALL BE 3.0 FEET. MINIMUM COVER ON DUCTILE IRON PIPE SHALL BE 1.0 FOOT.
- SANITARY SEWER MANHOLE FRAMES AND COVERS SHALL CONFORM TO CITY STANDARD NO. 06.01.02.
- SANITARY SEWER MANHOLES SHALL CONFORM TO CITY STANDARD NOS. 04.01.01, 04.01.02, 04.01.03 AND 04.01.04. ALL MANHOLES SHALL BE CHanneled FOR FUTURE LINES AS SPECIFIED ON THESE PLANS. MANHOLE STEPS AND LADDER SHALL CONFORM TO STANDARD NO. 06.01.03.
- SANITARY SEWER PIPE AND SIDE SEWERS SHALL BE 10 FEET AWAY FROM BUILDING FOUNDATIONS AND/OR ROOF LINES WITH THE EXCEPTION OF SIDE SEWERS THAT PROVIDE SERVICE TO A SINGLE-FAMILY RESIDENCE. AT THE DISCRETION OF THE REVIEW ENGINEER, A LICENSED PROFESSIONAL ENGINEER WILL BE REQUIRED TO STAMP THE DESIGN TO ACCOUNT FOR DEPTH OR PROXIMITY TO FOUNDATION, STEEP SLOPES, OR OTHER FACTORS.
- NO SIDE SEWERS SHALL BE CONNECTED TO ANY HOUSE OR BUILDING UNTIL ALL MANHOLES ARE ADJUSTED TO THE FINISHED GRADE OF THE COMPLETED ASPHALT ROADWAY AND THE ASPHALT PATCH AND SEAL AROUND THE RING ARE ACCEPTED.
- FOR COMMERCIAL DEVELOPMENTS IN WHICH SOURCES OF GREASE AND/OR OILS MAY BE INTRODUCED TO THE CITY SANITARY SEWER SYSTEM, A CITY APPROVED GREASE INTERCEPTOR SHALL BE INSTALLED DOWNSTREAM FROM THE SOURCE.
- ONCE SEWER AND ALL OTHER UTILITY CONSTRUCTION IS COMPLETED, ALL SANITARY SEWER MAINS AND SIDE SEWERS SHALL BE TESTED PER SECTION 406 OF THE CITY STANDARDS.

Project Title:
COASTAL PACIFIC FOOD DISTRIBUTION PUYALLUP

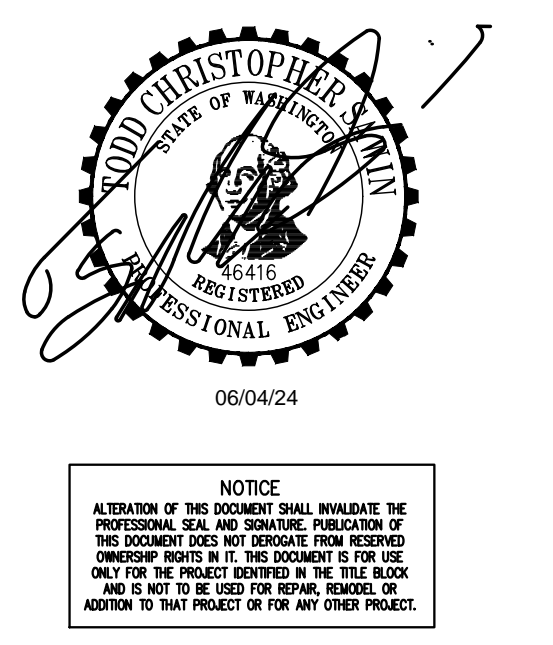
Client:
AWB ENGINEERS

1942 NORTHWOOD DRIVE
SALISBURY, MARYLAND 21801

Matt Smith

Project No.
2230491.11

Issue Set & Date:
ISSUE FOR PERMIT (REVISION A)
05/15/2024



NOTES FOR CONNECTING TAPS ON EXISTING SEWER MAINS

- THE TEE FITTING SHALL BE A ROMAC INDUSTRIES STYLE "CB" SEWER SADDLE (OR APPROVED EQUAL). ONLY NEW SADDLE AND PARTS SHALL BE INSTALLED. DUE TO PIPE SIZE MATERIALS OR PIPE CONDITION, THE CITY ENGINEER MAY REQUIRE AN ALTERNATE METHOD/MATERIAL BE USED.
- THE SEWER MAIN TAP SHALL BE CUT WITH A SEWER PIPE TAPPING MACHINE (HOLE SAW) CAPABLE OF RETAINING THE COUPON.
- THE ROUND HOLE CUT INTO THE SEWER MAIN SHALL BE NO LARGER THAN THE INSIDE DIAMETER OF THE SADDLE GASKET. THE HOLE SAW CUT EDGES SHALL BE SMOOTH.
- THE COUPON SHALL BE RETAINED AND SURRENDERED TO THE INSPECTOR. THE PERMIT HOLDER WILL PAY ALL COSTS ASSOCIATED WITH THE LOCATION AND RETRIEVAL OF A LOST COUPON. ADDITIONALLY THE PERMIT HOLDER WILL BE HELD LIABLE FOR ANY SUBSEQUENT DAMAGES CAUSED BY A LOST COUPON.
- BOLTS SHALL BE TORQUED TO MANUFACTURE SPECIFICATIONS, THEN RETORQUED AFTER 10 MINUTES.
- NO TAPS SHALL BE ALLOWED ON EXISTING SEWER MAINS OVER 18" IN DIAMETER. CONNECTIONS INTO SEWER MAINS OVER 18" IN DIAMETER SHALL INTERSECT THE SEWER MAIN IN A MANHOLE. IN SOME CASES THE CITY ENGINEER MAY ALLOW A VARIANCE TO THIS REQUIREMENT.
- ALL TRENCHING, BEDDING, AND BACKFILL SHALL BE IN ACCORDANCE WITH CITY STANDARD DETAIL NO. 06.01.01. ALL ASPHALT REPAIR SHALL BE IN ACCORDANCE WITH CITY STANDARD NO. 01.01.20. ALL ADDITIONAL UTILITY AND RIGHT OF WAY REPAIRS SHALL BE IN ACCORDANCE WITH THE "CITY STANDARDS" MANUAL.
- THE CITY OF PUYALLUP WILL CONDUCT A "SEWER MAIN VIDEO INSPECTION" OF THE SEWER TAP. THE PERMIT HOLDER WILL BE REQUIRED TO REPAIR ANY SEWER TAP CONSTRUCTION DEFECTS FOUND BY THE CITY INSPECTORS. THE COST OF ALL REPAIRS AND SUBSEQUENT "SEWER MAIN VIDEO INSPECTIONS" WILL BE THE RESPONSIBILITY OF THE PERMIT HOLDER. THE DAMAGE DEPOSIT POSTED BY THE BUILDER WILL BE HELD UNTIL PROBLEMS ARE CORRECTED. DUE TO PUBLIC HEALTH AND SAFETY, BUILDING OCCUPANCY WILL NOT BE ALLOWED UNTIL REPAIRS ARE COMPLETED AND ACCEPTED BY THE CITY ENGINEER.

CITY OF PUYALLUP
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

SEWER MAIN TAP

DESIGNED BY: LINDA LIAN
CHECKED BY: LINDA LIAN
APPROVED BY: COLLEEN HARRIS
DATE APPROVED: 06/07/2024
DATE REVISION: 06/07/2024
SCALE: 1/2"
CITY STANDARD: 04.02.01

NOTES:

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

CITY OF PUYALLUP
PUBLIC WORKS AND DEVELOPMENT ENGINEERING

COMMERCIAL SIDE SEWER CONNECTION WITH SAMPLING CONNECTION

DESIGNED BY: LINDA LIAN
CHECKED BY: LINDA LIAN
APPROVED BY: COLLEEN HARRIS
DATE APPROVED: 06/07/2024
DATE REVISION: 06/07/2024
SCALE: 1/2"
CITY STANDARD: 04.03.04

NOTES:

- NEAT LINE CUT SHALL BE SEALED AT THE TOP WITH A HOT PAVING GRADE ASPHALT AND FACE OF CUT TACKED.
- ALL MATERIAL SHALL CONFORM TO THE 1991 STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION PREPARED BY THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER.
- MACHINE BEARING FACES OF FRAME AND COVER TO INSURE POSITIVE FIT.
- EACH CLEAN OUT ASSEMBLY SHALL CONSIST OF: ONE CLEAN OUT ADAPTOR (HUB X FEMALE INSIDE PIPE THREAD, P.V.C. SLIP IN), AND ONE CLEAN OUT PLUG (MALE OUTSIDE PIPE THREAD WITH RAISED NUT, P.V.C. SDR35).

CITY OF PUYALLUP
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

SIDE SEWER CLEAN OUT WHEN PLACED IN DRIVEWAY

DESIGNED BY: LINDA LIAN
CHECKED BY: LINDA LIAN
APPROVED BY: COLLEEN HARRIS
DATE APPROVED: 06/07/2024
DATE REVISION: 06/07/2024
SCALE: 1/2"
CITY STANDARD: 04.03.05

NOTES:

- EAST JORDAN IRON WORKS 24" "ERGO" AND OLYMPIC FOUNDRY MH41 RING & HINGE PUYALLUP COVER ARE PRE-APPROVED PRODUCTS AND SHALL BE USED FOR PUBLICLY-OWNED INFRASTRUCTURE. ALL OTHERS REQUIRE WRITTEN APPROVAL OF THE ENGINEER PRIOR TO INSTALLATION.
- MANHOLE FRAME AND COVERS SHOULD NOT BE LOCATED IN PEDESTRIAN PATHWAYS (E.G. SIDEWALKS, CROSSWALKS, ETC.) WHERE EXISTING OR PROPOSED CONDITIONS REQUIRE A MANHOLE FRAME AND COVER TO BE INSTALLED WITHIN A PEDESTRIAN PATHWAY, THE MANHOLE FRAME AND COVER SHALL BE ADA COMPLIANT.
- NON-ROCKING FIT FOR MANHOLE COVERS.
- CASTING TO BE SMOOTH, TRUE TO PATTERN, FREE FROM BLOWHOLES, POROSITY HARD SPOTS, SHRINK HOLES, WARP, OR ANY OTHER DEFECTS WHICH COULD IMPAIR SERVICEABILITY.
- CASTINGS SHALL BE UNDOATED.
- FOR STORM APPLICATIONS CAST LETTERS SHALL READ "STORM".
- INSTALL FRAME AND COVER IN ROADWAY WITH HINGED SIDE OF ASSEMBLY POINTED TOWARD ONCOMING TRAFFIC.
- THE CITY SHALL HAVE THE RIGHT TO REQUIRE INSPECTION AND APPROVAL OF ALL CASTINGS PRIOR TO PAINTING.
- REPAIR OR DEFECTS BY WELDING, OR BY THE USE OF "SMOOTH-ON" OR SIMILAR MATERIAL WILL NOT BE PERMITTED.
- MANHOLE RING AND COVER SHALL BE FREE OF POROSITY, SHRINK CAVITIES, COLD SHOTS OR CRACKS OR ANY SURFACE DEFECTS WHICH WOULD IMPAIR SERVICEABILITY.
- FRAME HEIGHT MAY BE 4" FOR OVERLAYS AND PAVEMENT REHABILITATION PROJECTS, WITH WRITTEN APPROVAL BY THE CITY ENGINEER.

CITY OF PUYALLUP
OFFICE OF THE CITY ENGINEER

MANHOLE FRAME AND COVER

DESIGNED BY: LINDA LIAN
CHECKED BY: LINDA LIAN
APPROVED BY: COLLEEN HARRIS
DATE APPROVED: 06/07/2024
DATE REVISION: 06/07/2024
SCALE: 1/2"
CITY STANDARD: 06.01.02

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

1 SEWER MAIN TAP NOT TO SCALE

2 COMMERCIAL SIDE SEWER CONNECTION WITH SAMPLING CONNECTION NOT TO SCALE

3 SIDE SEWER CLEAN OUT WHEN PLACED IN DRIVEWAY NOT TO SCALE

4 MANHOLE FRAME AND COVER NOT TO SCALE

C5.01
15 of 25 Sheets

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APPROVED

BY: *[Signature]*
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DEVELOPMENT ENGINEERING

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Project Title:
COASTAL PACIFIC FOOD DISTRIBUTION PUYALLUP

Client:
AWB ENGINEERS

1942 NORTHWOOD DRIVE
SALISBURY, MARYLAND 21801
Matt Smith

Project No.
2230491.11

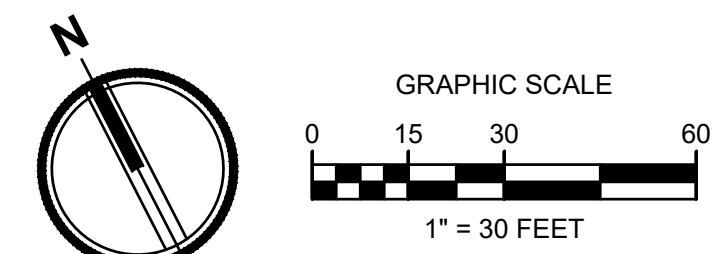
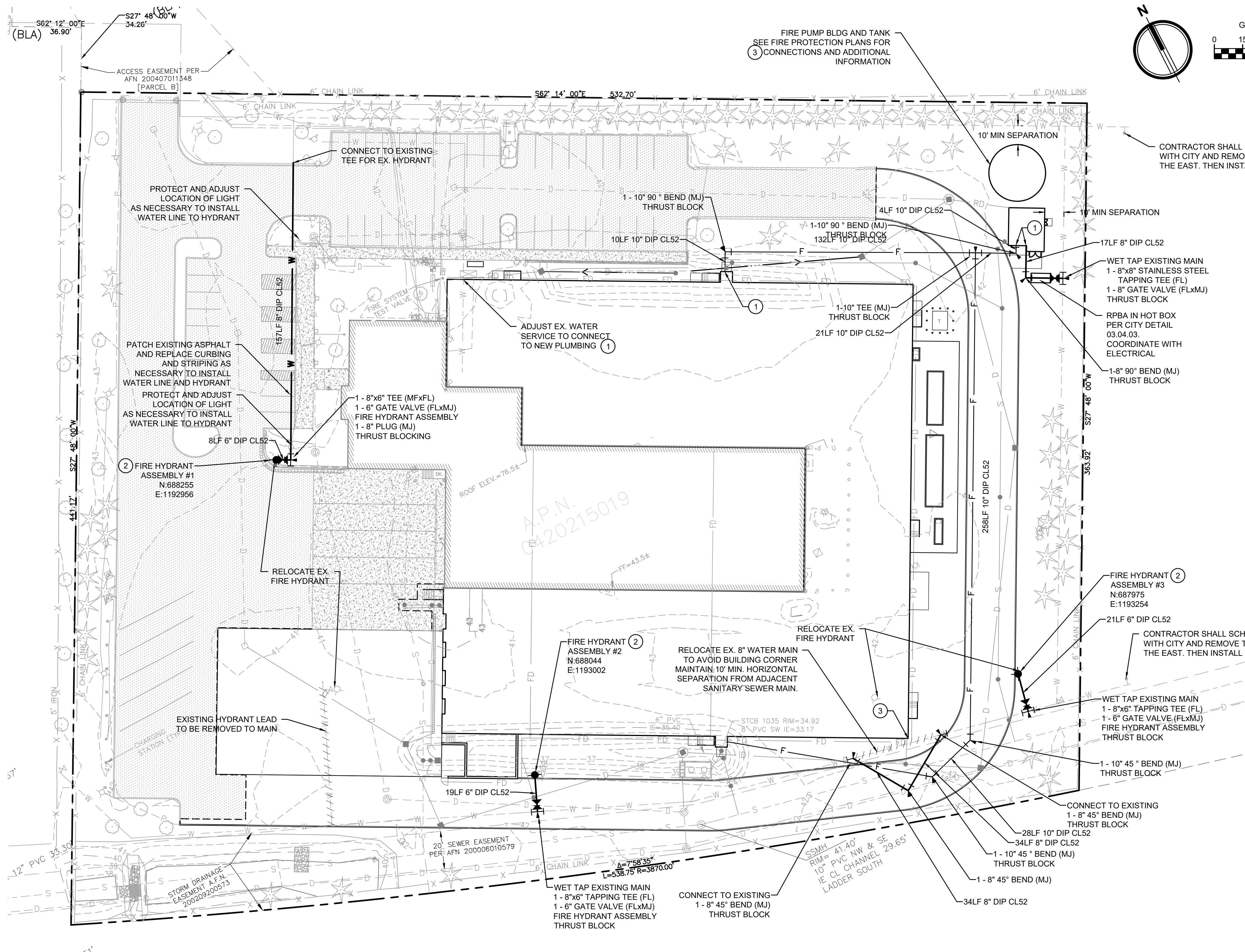
Issue Set & Date:
ISSUE FOR PERMIT (REVISION A)
05/15/2024



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

Building	Planning
Engineering	Public Works
Fire	Traffic



LEGEND

	FIRE HYDRANT
	FIRE DEPARTMENT CONNECTION (FDC)
	METER AS NOTED
	POST INDICATOR VALVE (PIV)
	GATE VALVE
	BOLLARD
	THRUST BLOCKING
	FITTINGS AS NOTED
	WATER PIPING
	WATER SERVICE PIPING
	FIRE SERVICE PIPING

- KEYNOTES**
- 1 SEE PLUMBING/FIRE PROTECTION PLAN FOR CONTINUATION INSIDE BUILDING.
 - 2 PROVIDE FIRE HYDRANT PER CITY DETAIL 03.05.01
 - 3 PROVIDE 10' MIN. SEPARATION BETWEEN STRUCTURE AND CITY WATER MAIN

FIRE PROTECTION NOTES

THE FIRE PROTECTION SYSTEM INCLUDING MATERIALS, SIZING, AND CONFIGURATION IS SUBJECT TO A CONTRACTOR PROVIDED DESIGN BY A FIRE PROTECTION ENGINEER, AND AS SUCH, THE FINAL DESIGN OF THE FIRE PROTECTION SYSTEM, INCLUDING HYDRANT LOCATIONS, MAY DEVIATE FROM THE SYSTEM SHOWN. THE FINAL DESIGN SHALL BE SUBMITTED TO AND APPROVED BY THE FIRE MARSHALL. CONTRACTOR'S BID SHALL REFLECT THE CONDITIONS OF THE FIRE PROTECTION ENGINEER'S DESIGN. CONTRACTOR SHALL COMPLY WITH ALL NATIONAL FIRE PROTECTION ASSOCIATION REQUIREMENTS AS SET FORTH BY "NFPA 13", ITS AMENDMENTS, AND LOCAL REQUIREMENTS, INCLUDING BUT NOT LIMITED TO ACQUISITION OF ALL PERMITS.



Revisions:

Sheet Title:
WATER PLAN

Designed by: *JI* Drawn by: *CM* Checked by: *TS*

Sheet No.
C6.00
16 of 25 Sheets

CPFD

A PORTION OF THE NE 1/4 AND THE SE 1/4 OF SEC. 21, TWN. 20 N, RGE. 04 E, W.M. CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON

WATER SYSTEM NOTES:

- ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE CITY OF PUYALLUP. PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE ENGINEERING PLANS, REPRESENTATIVES FROM ALL APPLICABLE UTILITY COMPANIES, THE PROJECT OWNER AND APPROPRIATE CITY STAFF. CONTACT ENGINEERING SERVICES TO SCHEDULE THE MEETING (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"), OR AS DIRECTED BY FRUITLAND MUTUAL WATER COMPANY (FMWC), VALLEY WATER (VW), OR TACOMA CITY WATER (TCW) IS THE PURVEYOR.
- 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, THE ENGINEERING SERVICES STAFF, AND THE FMWC, VW OR TCW WHEN SERVED BY THAT PURVEYOR, PRIOR TO ANY IMPLEMENTATION IN THE FIELD. THE CITY SHALL NOT BE RESPONSIBLE FOR ANY ERRORS AND/OR OMISSIONS ON THESE PLANS.
- 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.
- BACTERIOLOGICAL (COLIFORM AND IRON BACTERIA) TEST SAMPLES WILL BE TAKEN BY THE CITY (OR FMWC, VW OR TCW WHEN SERVED BY THAT PURVEYOR) AND PAID FOR BY THE CONTRACTOR, EXCEPT FOR CAPITAL IMPROVEMENT PROJECTS (CIP) WHICH SHALL BE PAID FOR BY THE CITY.
- WATER MAINS SHALL HAVE A MINIMUM COVER OF 36 INCHES FROM PAVED FINAL GRADE IN IMPROVED RIGHT-OF-WAY AND IMPROVED EASEMENTS, AND A MINIMUM OF 48 INCHES IN UNIMPROVED RIGHT-OF-WAY AND UNIMPROVED EASEMENTS.
- PIPE FOR WATER MAINS SHALL BE DUCTILE IRON CONFORMING TO SECTION 7-09 OF THE STANDARD SPECIFICATIONS, CLASS 52 WITH TYTON OR APPROVED EQUAL JOINTS. PIPE SHALL BE CEMENT LINED IN ACCORDANCE WITH A.S.A. SPECIFICATION A 21.4-1964.
- CONNECTIONS TO EXISTING WATER MAINS TYPICALLY SHALL BE WET TAPS THROUGH A TAPPING TEE AND TAPPING VALVE AND SHALL BE MADE BY A CITY APPROVED CONTRACTOR. THE TAPPING SLEEVE SHALL BE ROMAC SST ALL STAINLESS STEEL, TAPPING SLEEVE OR APPROVED EQUAL. A TWO-PIECE EPOXY COATED OR DUCTILE IRON TAPPING SLEEVE MAY BE USED ON DUCTILE IRON PIPE, WHEN THE TAP IS SMALLER THAN THE WATER MAIN SIZE I.E. 6-INCH TAP ON 8-INCH PIPE. THE CITY (OR FMWC, VW OR TCW WHEN SERVED BY THAT PURVEYOR) SHALL APPROVE THE TIME AND LOCATION FOR THESE CONNECTIONS.
- ALL WATER MAINS AND APPURTENANCES SHALL BE HYDROSTATICALLY TESTED AT 200 PSI IN ACCORDANCE WITH STANDARD SPECIFICATION 7-09.3(23). PRESSURE TESTING SHALL NOT BE PERFORMED UNTIL SATISFACTORY PURITY SAMPLES HAVE BEEN RECEIVED, EXCEPT WHEN NEW WATER MAINS ARE INSTALLED INDEPENDENTLY FROM THE WATER SYSTEM PIPING.
- FIRE HYDRANTS SHALL BE INSTALLED IN ACCORDANCE WITH CITY STANDARD DETAIL 03.05.01 AND AS DIRECTED BY THE CITY OF PUYALLUP FIRE CODE OFFICIAL.
- VALVE MARKER POSTS SHALL BE INSTALLED WHERE VALVE BOXES ARE HIDDEN FROM VIEW OR IN UNPAVED AREAS. THE INSTALLATION SHALL BE IN ACCORDANCE WITH CITY STANDARD DETAIL 03.01.02.
- RESILIENT SEATED WEDGE GATE VALVES SHALL BE USED FOR 10-INCH MAINS AND SMALLER. BUTTERFLY VALVES SHALL BE USED FOR MAINS GREATER THAN 10 INCHES.
- PIPE FITTING FOR WATER MAINS SHALL BE DUCTILE IRON AND SHALL BE MECHANICAL JOINT CONFORMING TO AWWA SPECIFICATION C111-72.
- WATER MAIN PIPE AND SERVICE CONNECTIONS SHALL BE A MINIMUM OF 10 FEET AWAY FROM BUILDING FOUNDATIONS AND/OR ROOF LINES.
- WHERE A WATER MAIN CROSSES THE NORTHWEST GAS PIPELINE, THE WATER LINE SHALL BE CASED WITH PVC PIPE A MINIMUM OF 10 FEET BEYOND EACH SIDE OF THE GAS LINE EASEMENT. CONTACT WILLIAMS NORTHWEST PIPELINE BEFORE THE CROSSING IS MADE.
- TRENCHING, BEDDING, AND BACKFILL FOR WATER MAINS SHALL BE INSTALLED IN ACCORDANCE WITH CITY STANDARD DETAIL 06.01.01.
- ALL COMMERCIAL AND INDUSTRIAL DEVELOPMENTS, IRRIGATION SYSTEMS, AND MULTI-FAMILY WATER SERVICE CONNECTIONS SHALL BE PROTECTED BY A DOUBLE CHECK VALVE ASSEMBLY OR A REDUCED PRESSURE BACKFLOW ASSEMBLY AS DIRECTED BY THE CITY (OR FMWC, VW OR TCW WHEN SERVED BY THAT PURVEYOR) CONFORMING TO CITY STANDARD DETAILS 03.04.01, 03.04.02, AND 03.04.03.
- ANY LEAD JOINT FITTING DISTURBED DURING CONSTRUCTION SHALL BE REPLACED WITH A MECHANICAL JOINT FITTING AT THE CONTRACTOR'S EXPENSE.
- HYDRAULIC FIRE FLOW MODELING SHALL BE REQUIRED FOR FORMAL PLATS WITHIN OR TO BE ANNEXED INTO THE CITY OF PUYALLUP'S WATER SERVICE AREA. THE DEVELOPER SHALL BE RESPONSIBLE TO APPLY FOR A HYDRAULIC MODEL PERMIT PRIOR TO PLAT REVIEW. THE HYDRAULIC MODELING CRITERIA IS BASED ON THE PROJECTED WATER DEMAND WHILE MAINTAINING A MINIMUM SYSTEM PRESSURE OF 20 POUNDS PER SQUARE INCH (PSI) AND A MAXIMUM VELOCITY OF 10 FEET PER SECOND.
- WHEN USING A FIRE HYDRANT FOR NON-FIREFIGHTING PURPOSES, A CITY HYDRANT METER MUST BE USED. COORDINATE THE ACQUISITION OF THE HYDRANT METER WITH THE CITY'S UTILITY BILLING DIVISION AT PUYALLUP CITY HALL. A CITY APPROVED BACKFLOW PROTECTION ASSEMBLY SHALL BE INSTALLED BY THE PERSON REQUESTING USE OF A FIRE HYDRANT. THE ASSEMBLY SHALL BE ACCOMPANIED BY A CURRENT BACKFLOW ASSEMBLY TEST REPORT. THE TEST REPORT SHALL BE AVAILABLE AT THE SITE FOR THE DURATION OF THE HYDRANT USE.
- SHOULD A BREAK OCCUR ON ANY CITY WATER MAIN, THE CONTRACTOR SHALL FOLLOW THE CITY'S ADOPTED "WATER MAIN BREAK PROCEDURE" ISSUED TO THEM AT THE PRE-CONSTRUCTION MEETING AND NOTIFY THOSE CONNECTED TO THE SYSTEM IN THE IMPACTED AREA AS OUTLINED IN THE PROCEDURE.
- WATER MAIN REPAIRS (REFERENCES: AWWA C651-14 AND WSDOT STANDARD SPECIFICATION SECTION 7-09)

(NOTE: A PLANNED WATER MAIN REPAIR SHALL BE APPROVED BY THE CITY INSPECTOR AND/OR WATER DIVISION SUPERVISOR PRIOR TO COMMENCING WORK.)

A. REPAIR WITHOUT DEPRESSURIZATION – SMALL LEAKS SHALL BE REPAIRED USING REPAIR BANDS WHILE MAINTAINING POSITIVE PRESSURE IN THE WATER MAIN. VALVES SURROUNDING THE LEAK WILL BE PARTIALLY SHUT BY THE CITY WATER DEPARTMENT TO REDUCE THE FLOW AND PRESSURE TO THE AREA. BLOWOFFS AND HYDRANTS IN THE REDUCED PRESSURE AREA MAY BE OPENED AS NEEDED TO FURTHER REDUCE THE PRESSURE. THE WATER MAIN TRENCH SHALL BE OVER-EXCAVATED TO ALLOW WATER IN THE TRENCH TO BE PUMPED OUT AND MAINTAINED BELOW THE LEVEL OF THE WATER MAIN. THE REPAIR SHALL BE COMPLETED WITH THE WATER MAIN PRESSURE REMAINING POSITIVE. AFTER THE REPAIR IS MADE, THE SYSTEM SHALL BE FULLY PRESSURIZED AND A VISUAL LEAK INSPECTION WILL BE COMPLETED. THE WATER MAIN IN THE AFFECTED AREA SHALL BE FLUSHED TO ACHIEVE THREE PIPE VOLUMES PULLED FROM THE PIPE (DISTANCE MEASURED FROM VALVE OPENED FOR FLUSHING TO THE EXIT HYDRANT OR BLOWOFF).

B. REPAIR/CUT-IN WITH DEPRESSURIZATION – TRENCH SHALL BE OVER EXCAVATED AND DEWATERED BELOW THE WATER MAIN. FLUSH WATER FROM PIPE FROM EACH DIRECTION UNTIL IT RUNS CLEAR. IMMEDIATELY PRIOR TO INSTALLATION OF A NEW PIPE SECTION FOR REPAIR OR CUT IN TEE, ALL NEW FITTINGS AND PIPE SPOOLS SHALL BE SWABBED WITH A FIVE PERCENT (5%) CHLORINE SOLUTION (MINIMUM). THE INTERIOR OF THE EXISTING PIPE SHALL BE SWABBED WITH A FIVE PERCENT (5%) CHLORINE SOLUTION AT LEAST 6 FEET IN EACH DIRECTION FROM EXPOSED CUT ENDS. THE WATER MAIN IN THE AFFECTED AREA SHALL BE FLUSHED TO ACHIEVE THREE PIPE VOLUMES PULLED FROM THE PIPE (DISTANCE MEASURED FROM THE VALVE OPENED FOR FLUSHING TO THE EXIT HYDRANT OR BLOWOFF). CUSTOMERS SHALL BE NOTIFIED AFTER THE WATER MAIN IS FLUSHED AND REPAIRS HAVE BEEN COMPLETED, AS OUTLINED IN THE "WATER MAIN BREAK PROCEDURE."

26. NEW WATER MAIN INSTALLATION:

A. EACH NEW WATER MAIN SECTION SHALL BE DELIVERED, STACKED AND STORED ONSITE WITH ENDS PLUGGED. THE PLUGS SHALL REMAIN IN THE PIPE UNTIL EACH PARTICULAR SECTION IS INSTALLED. NATIONAL SANITATION FOUNDATION (NSF) APPROVED SIXTY-FIVE PERCENT (65%) CALCIUM HYPOCHLORITE SHALL BE ADDED TO THE UPSTREAM END OF EACH PIPE SECTION, AND AT EACH HYDRANT TEE IN THE AMOUNT GIVEN IN THE TABLE BELOW (OR PER APPROVED MANUFACTURER SPECIFICATIONS). THE MINIMUM AMOUNT OF CALCIUM HYPOCHLORITE ADDED SHOULD BE SUFFICIENT TO ACHIEVE A 50 MG/L CONCENTRATION WITHIN THE IMPACTED AREA.

PIPE DIAMETER (INCHES)	PIPE VOLUME PER 18 FEET (GAL)	5-GRAM TABLETS PER PIPE SECTION	HYPOCHLORITE GRANULES MAXIMUM FILL RATE (GPM)	OUNCES PER 500 FEET	TEASPOONS PER 18 FEET
4.35	1.7	0.2	40	6.53	1.38
6.53	3.8	0.4	90	12.10	2.42
8.70	6.7	0.7	150	21.06	4.21
12.10	15.1	1.4	350	48.14	9.63
16.14	27.2	2.5	600	84.60	16.92

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

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

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

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

F. SAMPLES FOR BACTERIOLOGICAL ANALYSIS SHALL BE COLLECTED AFTER FLUSHING AND AGAIN 24 HOURS AFTER THE FIRST SET OF SAMPLES.

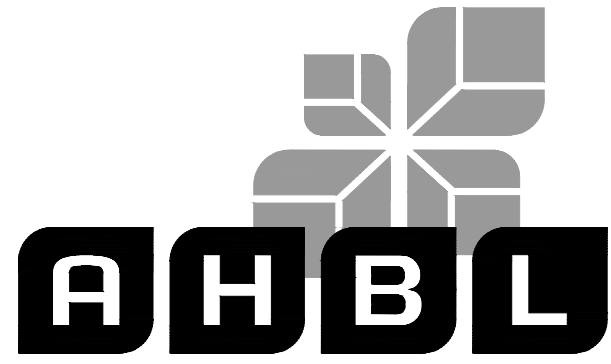
G. ALL CLOSURE/FINAL CONNECTION FITTINGS SHALL BE SPRAYED CLEAN AND THEN SWABBED WITH A FIVE PERCENT (5%) CHLORINE SOLUTION IMMEDIATELY PRIOR TO INSTALLATION PER AWWA STANDARD C651. ADDITIONAL SAMPLES FOR BACTERIOLOGICAL ANALYSIS SHALL BE COLLECTED FROM THE IMMEDIATE VICINITY OF THE NEW OR REPLACED WATER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

APPROVED

BY *[Signature]*
CITY OF PUYALLUP
DEVELOPMENT ENGINEERING

DATE 06/07/2024

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TACOMA · SEATTLE · SPOKANE · TRI-CITIES

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

Project Title:

**COASTAL
PACIFIC FOOD
DISTRIBUTION
PUYALLUP**

Client:

AWB ENGINEERS

1942 NORTHWOOD DRIVE
SALISBURY, MARYLAND 21801

Matt Smith

Project No.

2230491.11

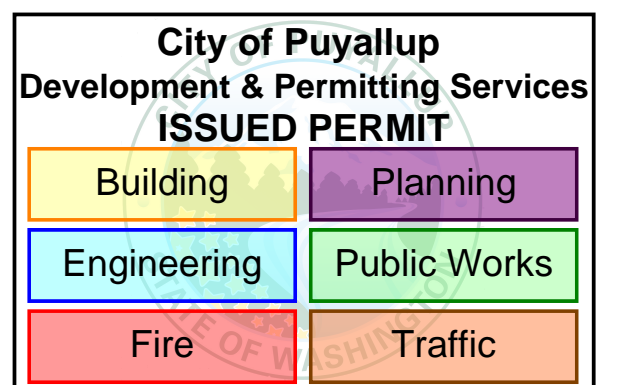
Issue Set & Date:

**ISSUE FOR PERMIT
(REVISION A)**

05/15/2024



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Revisions:

Sheet Title:

WATER DETAILS

Designed by: JI Drawn by: CM Checked by: TS

Sheet No.

C6.01

17 of 25 Sheets



Know what's below.
Call before you dig.

TABLE 2: THRUST AT FITTINGS AT 200 PSI

SIZE	TEST PRESSURE (PSI)	THRUST FITTINGS AT 200 PSI				
		A	B	C	D	E
4"	200	3,140	4,440	2,405	1,225	615
6"	200	7,070	9,895	5,410	2,760	1,385
8"	200	12,565	17,770	9,820	4,925	2,465
10"	200	19,835	27,770	15,030	7,660	3,850
12"	200	28,275	39,885	21,040	11,030	5,545
14"	200	38,485	54,425	29,455	15,015	7,545
16"	200	50,285	71,085	38,470	19,615	9,855

TABLE 3: BEARING VALUE OF SOIL

SOIL TYPE	SAFE BEARING LOAD (LBS/SF)
MUCK, PEAT, ETC.	D
SOFT CLAY/ALLUVIAL SOIL	1,000
SAND	2,000
SAND AND GRAVEL	3,000
SAND AND GRAVEL CEMENTED WITH CLAY	4,000
HARD SHALE	10,000

SEE CITY STANDARDS 03.02.01-1 AND 03.02.01-2 FOR ADDITIONAL INFORMATION.

NOTES:

- TO DETERMINE THRUST AT PRESSURES OTHER THAN PSI SHOWN, MULTIPLY THE THRUST OBTAINED IN TABLE 2 BY THE RATIO OF THE PRESSURE TO 200 PSI.
EXAMPLE: THE THRUST ON A 12 INCH, 90° BEND AT 300 PSI.
 $30,885 \times \frac{300}{200} = 46,328$ LBS
- TO DETERMINE THE BEARING AREA OF THE THRUST BLOCK IN SQUARE FEET (SF):
SEE TABLE 3, BEARING VALUE OF SOIL.
EXAMPLE: FOR SAND AND GRAVEL BEARING VALUE FROM TABLE 3 IS 3,000 LBS/SF.
 $59,978 \text{ LBS} \div 3,000 \text{ LBS/SF} = 20 \text{ SF OF AREA}$
- CONTRACTOR TO PROVIDE BLOCKING ADEQUATE TO WITHSTAND FULL TEST PRESSURE
- AREAS SHALL BE ADJUSTED FOR OTHER PRESSURE CONDITIONS.
- NO WATER MAIN SHALL DEAD END AGAINST A MAIN LINE VALVE. DEAD END WATER MAINS SHALL BE BLOCKED AGAINST A RESTRAINED MECHANICAL JOINT (M.A.) PLUG OR CAP.

CITY OF PUYALLUP OFFICE OF THE CITY ENGINEER

APPROVED FOR PUBLICATION

DATE: 2/5/2018

THRUST BLOCKING TABLE

CITY STANDARD 03.02.01-3

BACKFILL MATERIAL SEE NOTE 3

PIPE BEDDING MATERIAL SEE NOTE 2

UNDISTURBED OR COMPACTED SUB-GRADE

6" MIN

1/2" O.D.

1/2" O.D.

4" MIN. FOR 27" PIPE AND SMALLER
6" MIN. FOR PIPE LARGER THAN 27"

- TRENCHING SHALL MEET THE REQUIREMENTS OF SECTION 7-08.3(1) 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) GRAVEL BACKFILL FOR FOUNDATIONS, CLASS A.

CITY OF PUYALLUP OFFICE OF THE CITY ENGINEER

APPROVED FOR PUBLICATION

DATE: 2/5/2018

PIPE TRENCHING BEDDING AND BACKFILL

CITY STANDARD 06.01.01

CLEAN AND TACK EDGES WITH SEALER CSS1 AND SEAL JOINTS WITH HOT ASPHALT CEMENT (ARACOGON) (SEE NOTE 5)

4" (MIN.) COMPACTED THICKNESS ASPHALT CONCRETE (MATCH EXISTING THICKNESS) HMA CL. 1/2" PG 64-22

13" R

EXISTING ASPHALT

1/3 TOTAL LENGTH

2" SQUARE OPERATING NUT

CONCRETE COLLAR

VALVE BOX TOP SECTION (SEE NOTE 4)

VALVE OPERATING NUT EXTENSION SHALL BE USED AS REQUIRED (SEE NOTES 2 & 3)

VALVE BOX BOTTOM SECTION (SEE NOTE 4)

VALVE (SEE NOTE 4-5)

DETECTABLE MARKING TAPE (SEE NOTE 7)

WATER LINE (SEE NOTE 4)

1" METAL STOCK

1/8" MIN. THICKNESS 2-1/4" INSIDE MEASUREMENT 2-1/4" DEPTH

VALVE OPERATING NUT EXTENSION DETAIL NOT TO SCALE

WATER VALVE DETAIL NOT TO SCALE

NOTES:

- WATER MAINS SHALL HAVE A MINIMUM COVER OF 36" FROM PAVED FINAL GRADE IN IMPROVED RIGHT-OF-WAY AND IMPROVED EASEMENTS, AND A MINIMUM OF 48" IN UNIMPROVED RIGHT-OF-WAY AND UNIMPROVED EASEMENTS.
- VALVE OPERATING NUT EXTENSIONS ARE REQUIRED WHEN THE VALVE NUT IS MORE THAN FIVE (5) FEET BELOW FINISHED GRADE. EXTENSIONS ARE TO BE A MINIMUM OF TWO (2) FEET LONG, ONLY ONE EXTENSION TO BE USED PER VALVE. TOP OF EXTENSION SHALL BE 2 FEET 6 INCHES TO 3 FEET BELOW FINISHED GRADE.
- ALL VALVE OPERATING NUT EXTENSIONS ARE TO BE MADE OF STEEL, SIZED AS NOTED, AND PAINTED WITH TWO COATS OF METAL PAINT.
- VALVE BOXES SHALL BE TWO-PIECE, ADJUSTABLE, CAST IRON WITH EXTENSION PIECES (IF NECESSARY), AS MANUFACTURED BY THE WARRIOR (#40 SEATTLE OR APPROVED EQUAL. THE WORD "WARRIOR" SHALL BE CAST IN RELIEF ON THE VALVE BOX COVER. VALVE BOX TOPS INSTALLED IN ARTERIAL ROADWAYS SHALL BE MANUFACTURED BY EAST ASIAN (#1) BROWNSVILLE MODEL 8000 WITH LOCKING VALVE BOX COVER MODEL 8000 (PARTY #8000000) OR APPROVED EQUAL.
- HEAT LINE CUTS SHALL BE SEALED WITH A HOT PAVING GRADE ASPHALT AND FACE OF CUT TACKED.
- WATER MAINS SHALL BE CONSTRUCTED AND TESTED IN ACCORDANCE WITH DIVISION 7 OF THE WSDOT STANDARD SPECIFICATIONS SUPPLEMENTED WITH THE FOLLOWING:
 - DUCTILE IRON PIPE SHALL CONFORM TO AWWA C 151, THICKNESS CLASS 52, AND THE EXTERIOR SHALL BE COATED WITH COAL TAR VARNISH. PIPE AND FITTINGS SHALL BE MOTOR LINED AND SHALL CONFORM TO AWWA C 104. THE THICKNESS OF THE LINING SHALL BE NOT LESS THAN 1/16" THICK FOR 3" TO 12" PIPE, 3/32" THICK FOR 14" TO 24" PIPE, AND 1/8" THICK FOR 30" TO 54" PIPE. THE EXTERIOR LINING SHALL CONFORM TO THE REQUIREMENTS OF ASTM C 150.
 - JOINTS SHALL BE TYTON PUSH-ON JOINTS OR APPROVED EQUAL OR MECHANICAL JOINT TYPE PER AWWA C 111 EXCEPT WHERE FLANGED JOINTS ARE REQUIRED TO CONNECT TO VALVES OR OTHER EQUIPMENT.
 - BOLTS AND NUTS FOR BLIND FLANGES LOCATED OUTDOORS, ABOVE GROUND, OR IN OPEN VAULTS IN STRUCTURES SHALL BE TYPE 316 STAINLESS STEEL CONFORMING TO ASTM A 193, GRADE B3M FOR BOLTS, AND ASTM A 194, GRADE B4 FOR NUTS. BOLTS AND NUTS LARGER THAN ONE AND ONE-FOURTH (1-1/4) INCHES SHALL BE STEEL, ASTM A 307, GRADE B, WITH CADMIUM PLATING, ASTM A 165, TYPE B5.
 - BOLTS USED IN FLANGE INSTALLATION SETS SHALL CONFORM TO ASTM B 193, GRADE B7. NUTS SHALL COMPLY WITH ASTM A 194, GRADE 2H.
 - PROVIDE A WASHER FOR EACH NUT, WHERE NEEDED. WASHERS SHALL BE OF THE SAME MATERIAL AS THE NUTS.
 - ALL FITTINGS SHALL CONFORM TO THE REQUIREMENTS OF AWWA C 110 AND AWWA C 111.
 - RESILIENT SEATED WEDGE GATE VALVES SHALL BE USED FOR TRENCH (10) INCH MAINS AND SMALLER. BUTTERFLY VALVES SHALL BE USED FOR MAINS GREATER THAN TEN (10) INCHES.
 - RESILIENT SEATED WEDGE GATE VALVES SHALL CONFORM TO THE LATEST AWWA SPECIFICATIONS FOR COLD WATER, SOURCE-SINK GATE VALVES, 200 PSI WORKING PRESSURE. THEY SHALL BE IRON-BODED, BRONZE INQUIRED, NON-RODING STEM, WITH TWO (2) INCH SQUARE NUT; COUNTER-CLOCKWISE OPENING, MECHANICAL JOINT AND / OR FLANGED ENDS (6" VALVES ON FIRE HYDRANT LINES WHICH SHALL BE MECHANICAL JOINTS IF FLANGED). VALVE STEMS SHALL BE PROVIDED WITH O-RING SEALS AND SHALL BE AS MANUFACTURED BY THE HUELLER COMPANY OR APPROVED EQUAL.
 - BUTTERFLY VALVES CONFORMING WITH AWWA C 504, CLASS 150 AND SHALL HAVE STANDARD AWWA TWO (2) INCH SQUARE NUT.
 - DETECTABLE MARKING TAPE SHALL BE INSTALLED 18" ABOVE PIPE, BE BLUE IN COLOR, AND READ "CAUTION WATER LINE BELOW" MEETING WSDOT SPEC. 9-15.1B.

CITY OF PUYALLUP OFFICE OF THE CITY ENGINEER

APPROVED FOR PUBLICATION

DATE: 2/5/2018

WATER VALVES AND MAINS

CITY STANDARD 03.01.01

MARKED WITH THE LETTER "V" INSET "V" TO BE PAINTED BLACK

4"

12"

40-1/4"

6-1/4"

42"

GROUND LEVEL

WATER MAIN

90°

X" DISTANCE PAINTED BACK OF POST (SEE NOTE 2)

X" DISTANCE FROM MARKER POST TO MAIN

DEBRISED ROCK CONFORMING TO NOTE 2, CITY STANDARD 06.01.01

FOGITE PRECAST REINFORCED CONCRETE VALVE MARKER POST OR APPROVED EQUAL (SEE NOTE 1)

NOTES:

- PAINT MARKER POST WITH RUST-OLEUM SAFETY YELLOW #7543 OR APPROVED EQUAL.
- THE DISTANCE FROM THE MARKER POST TO THE WATER MAIN SHALL BE PAINTED ON THE BACKSIDE OF THE MARKER POST, IN BLACK WITH A 2" HIGH NUMBER.
- VALVE MARKER POST SHALL BE REQUIRED WHEN EVER THE WATER VALVE IS LOCATED IN AN UNPAVED AREA.
- THE POST WILL ALSO BE REQUIRED FOR BLOW-OFF ASSEMBLIES IN THE SAME CONDITION AS WATER VALVES.
- LOCATION OF VALVE MARKER POSTS SHALL BE OFFSET AT RIGHT ANGLES TO EACH LINE VALVE.

CITY OF PUYALLUP OFFICE OF THE CITY ENGINEER

APPROVED FOR PUBLICATION

DATE: 2/5/2018

VALVE MARKER POST

CITY STANDARD 03.01.02

NOTE: DRAWINGS DEPICT BLOCK LOCATION, NOT SIZE. FOR SIZE SEE NOTES 3, 4, 5, AND CITY STD. 03.02.01-3

45° BEND (COLUMN C)

90° BEND (COLUMN B)

DEAD END (COLUMN A)

OFFSET (COLUMNS B TO D)

THRU LINE CONNECTION, TEE (COLUMN A)

DIRECTION CHANGE, TEE USED AS ELBOW (COLUMN B)

THRU LINE CONNECTION, TEE (COLUMN C)

TEE (COLUMN A)

THRU LINE CONNECTION, CROSS USED AS TEE (COLUMN A)

DIRECTION CHANGE, CROSS USED AS ELBOW (COLUMN B)

UNBALANCED CROSS (COLUMN A)

PLUGGED CROSS (COLUMN B)

NOTES:

- THE FOLLOWING PRECAUTIONS MUST BE OBSERVED WHEN CONSTRUCTING THRUST BLOCKS:
 - BLOCKS MUST BE POURED OR PLACED AGAINST UNDISTURBED SOIL.
 - THE PIPE FITTING(S) AND BOLTS MUST BE ACCESSIBLE. WRAP IN PLASTIC BEFORE POURING CONCRETE BLOCKING.
 - CONCRETE SHOULD BE CURED FOR AT LEAST 3 DAYS AND SHOULD HAVE A MINIMUM COMPRESSION STRENGTH OF 3,000 PSI AT 28 DAYS.
 - RESTRAINED JOINTS SHALL BE INSTALLED, IN ADDITION TO CONCRETE THRUST BLOCKING.
 - BLOCKS MUST BE POSITIONED TO COUNTERACT THE DIRECTION OF THE RESULANT THRUST FORCE.
- ALL PIPE SHALL BE PROPERLY BEDDED, SEE CITY OF PUYALLUP STANDARD BEDDING DETAIL NO. 06.01.01.
- CONTRACTOR TO PROVIDE BLOCKING ADEQUATE TO WITHSTAND FULL TEST PRESSURE.
- DAVID THRUST BY SAFE BEARING LOAD TO DETERMINE REQUIRED AREA (IN SQUARE FEET) OF CONCRETE TO DISTRIBUTE LOAD.
- BEARING SURFACE AREAS TO BE ADJUSTED BY THE ENGINEER FOR OTHER PRESSURE AND/OR SOIL CONDITIONS.

CITY OF PUYALLUP OFFICE OF THE CITY ENGINEER

APPROVED FOR PUBLICATION

DATE: 2/5/2018

HORIZONTAL THRUST BLOCKING

CITY STANDARD 03.02.01-1

A LENGTH OF 3/8" (MINIMUM - SEE TABLE BELOW) GALVANIZED CHAIN WRAPPED TIGHTLY TWO TIMES AROUND FITTING WITH A #4 BAR PLACED THROUGH THE CHAIN ENDS EMBEDDED INTO THE CONCRETE THRUST BLOCKING.

RESTRAINED JOINTS SHALL BE INSTALLED WITH ALL VERTICAL THRUST BLOCKING.

11-1/4" TO 45° BEND

11-1/4" TO 45° BEND

TABLE 1: CONCRETE BLOCKING FOR VERTICAL BENDS

PIPE DIAMETER (INCHES)	TEST PRESSURE (PSI)	BEND ANGLE (DEG)	CONCRETE VOLUME (CY)	CUBE SIZE (FEET)	CHAIN SIZE (INCHES)	CHAIN EMBEDMENT (INCHES)
4"	200	11.25°	6	1.8	3/8"	17"
		22.5°	12	2.3		
		45°	22	2.8		
6"	200	11.25°	14	2.4	3/8"	17"
		22.5°	27	3.0		
		45°	50	3.7		
8"	200	11.25°	25	2.9	3/8"	17"
		22.5°	48	3.6		
		45°	89	4.5		
10"	200	11.25°	38	3.4	3/8"	17"
		22.5°	75	4.2		
		45°	139	5.2		
12"	200	11.25°	55	3.8	3/8"	17"
		22.5°	108	4.8		
		45°	200	5.8		
14"	200	11.25°	75	4.2	3/8"	17"
		22.5°	147	5.3		
		45°	272	6.5		
16"	200	11.25°	98	4.6	3/8"	17"
		22.5°	192	5.8		
		45°	355	7.1		

ALL NOTES ON CITY STANDARD 03.02.01-1 SHALL APPLY TO THIS DETAIL. SEE CITY STANDARD 03.02.01-3 FOR ADDITIONAL INFORMATION.

CITY OF PUYALLUP OFFICE OF THE CITY ENGINEER

APPROVED FOR PUBLICATION

DATE: 2/5/2018

VERTICAL THRUST BLOCKING

CITY STANDARD 03.02.01-2

APPROVED

BY: *[Signature]*

CITY OF PUYALLUP DEVELOPMENT ENGINEERING

DATE: 06/07/2024

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AHBL

TACOMA • SEATTLE • SPOKANE • TRI-CITIES

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

Project Title:

COASTAL PACIFIC FOOD DISTRIBUTION PUYALLUP

Client:

AWB ENGINEERS

1942 NORTHWOOD DRIVE
SALISBURY, MARYLAND 21801

Matt Smith

Project No.

2230491.11

Issue Set & Date:

ISSUE FOR PERMIT (REVISION A)

05/15/2024

CHRYSTOPHER A. M. #45415
PROFESSIONAL ENGINEER

06/04/24

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City of Puyallup Development & Permitting Services ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

Revisions:

Sheet Title:

WATER DETAILS

Designed by: JI Drawn by: CM Checked by: TS

Sheet No.

C6.02

18 of 25 Sheets

811

Know what's below. Call before you dig.

CPFD

A PORTION OF THE NE 1/4 AND THE SE 1/4 OF SEC. 21, TWN. 20 N, RGE. 04 E, W.M.
CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON

NOTE: CONTRACTOR SHALL COORDINATE WORK SHOWN WITH PSE CONTRACT PLANS.

APPROVED
BY: *[Signature]*
CITY OF PUYALLUP
DEVELOPMENT ENGINEERING
DATE: 06/07/2024
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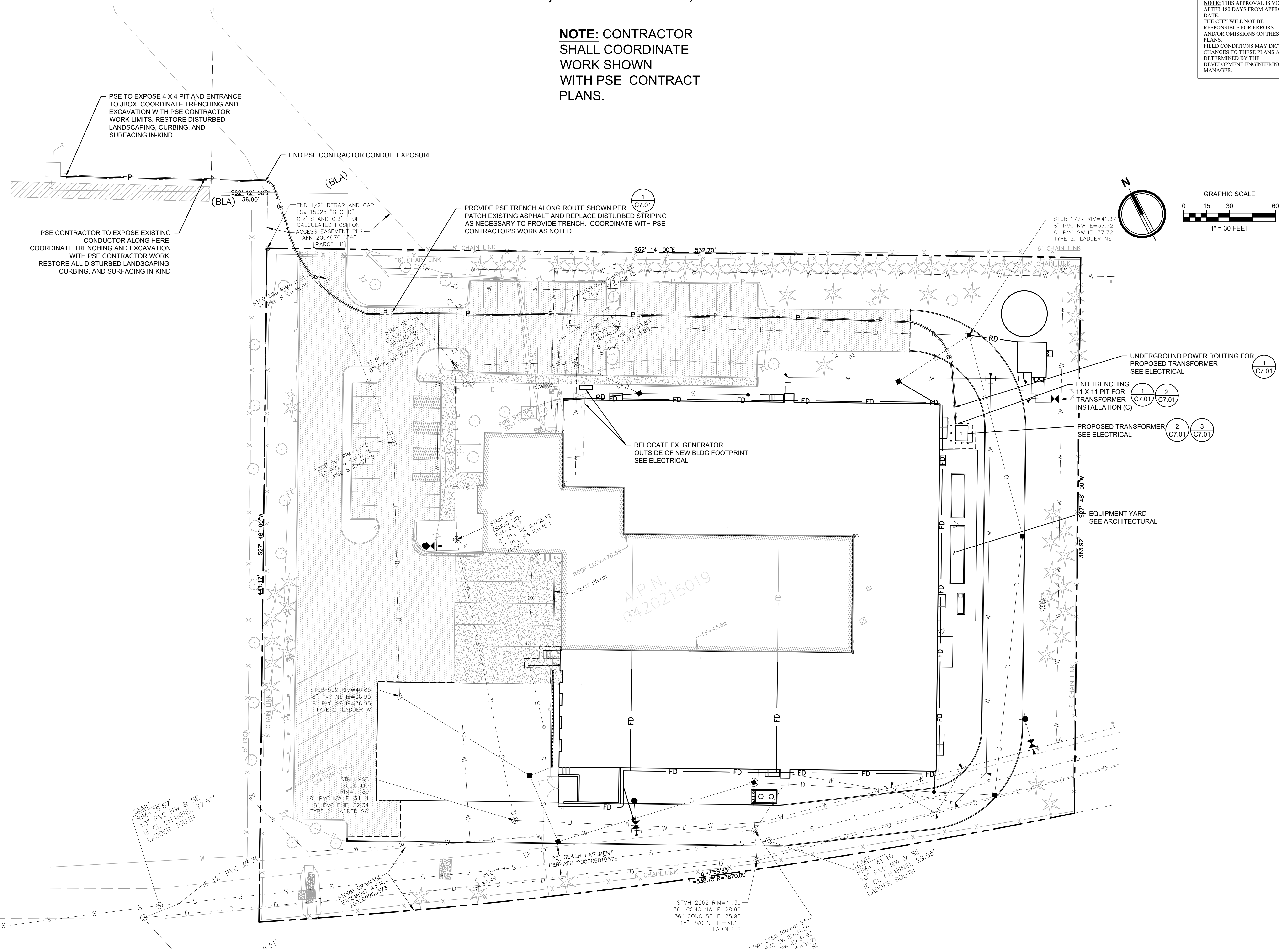
Building	Planning
Engineering	Public Works
Fire	Traffic

Revisions:

Sheet Title:
DRY UTILITY PLAN

Designed by: *JI* Drawn by: *CM* Checked by: *TS*

Sheet No.
C7.00
20 of 25 Sheets

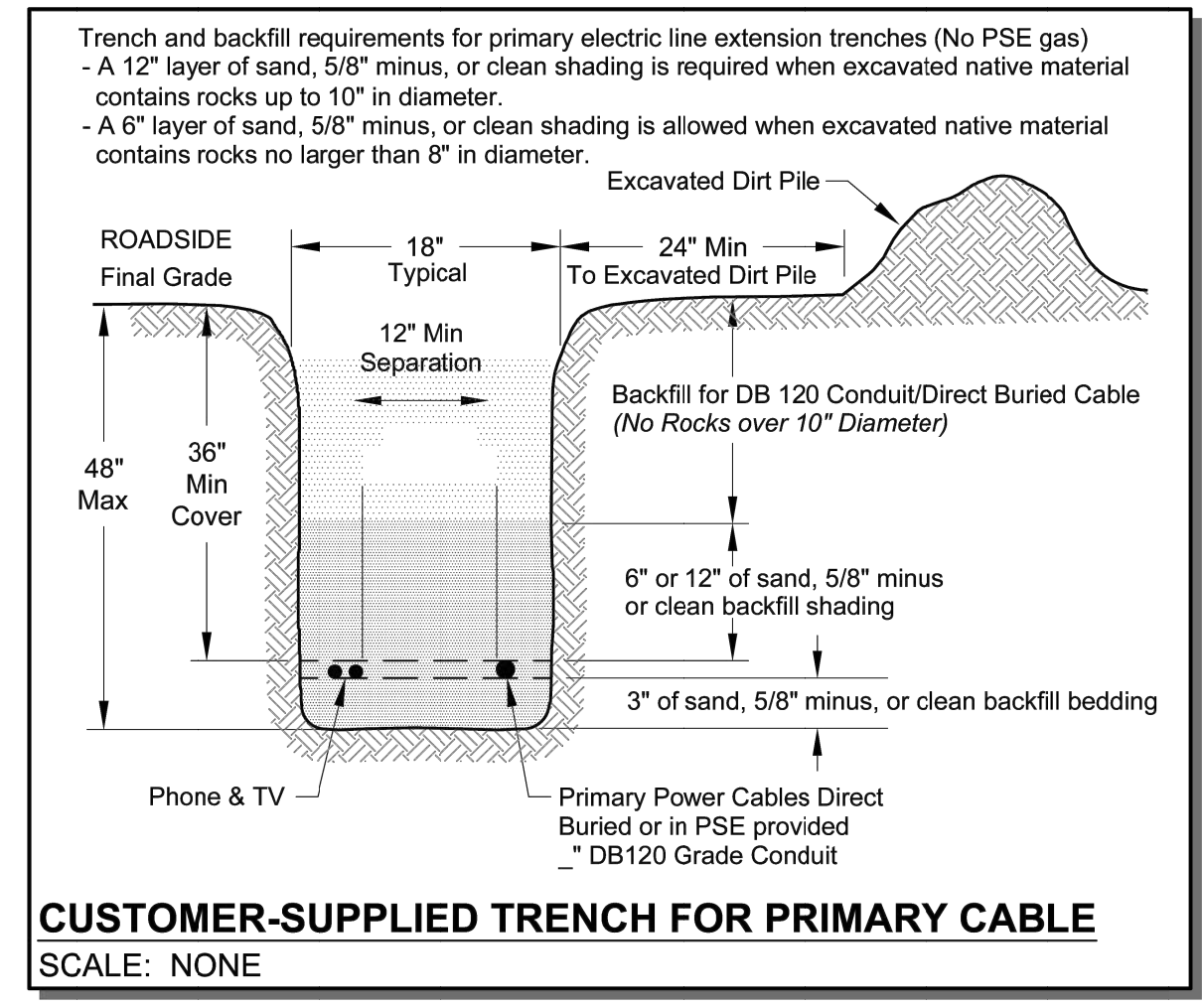


CPFD

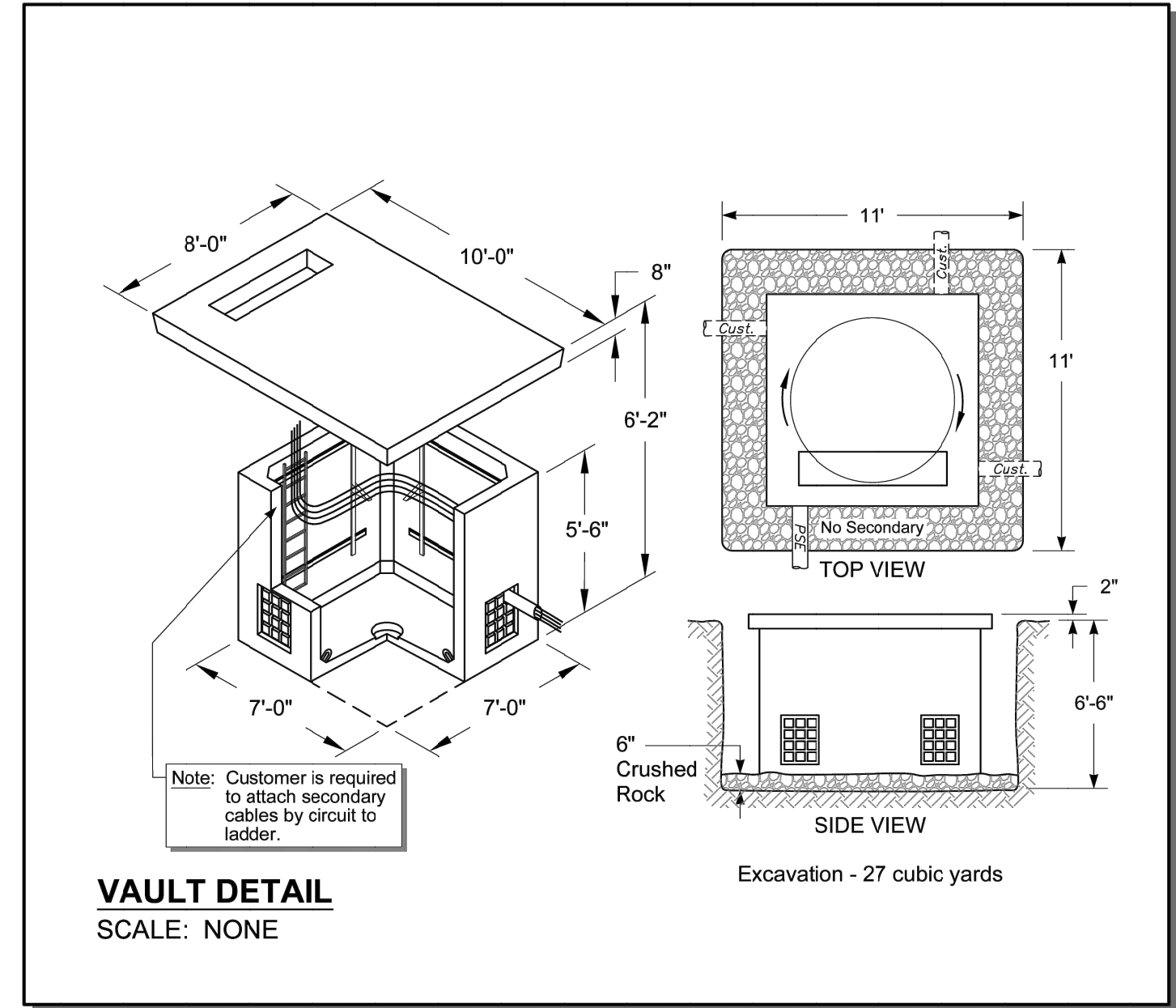
A PORTION OF THE NE 1/4 AND THE SE 1/4 OF SEC. 21, TWN. 20 N, RGE. 04 E, W.M. CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON

APPROVED
 BY *[Signature]*
 CITY OF PUYALLUP
 DEVELOPMENT ENGINEERING
 DATE 06/07/2024

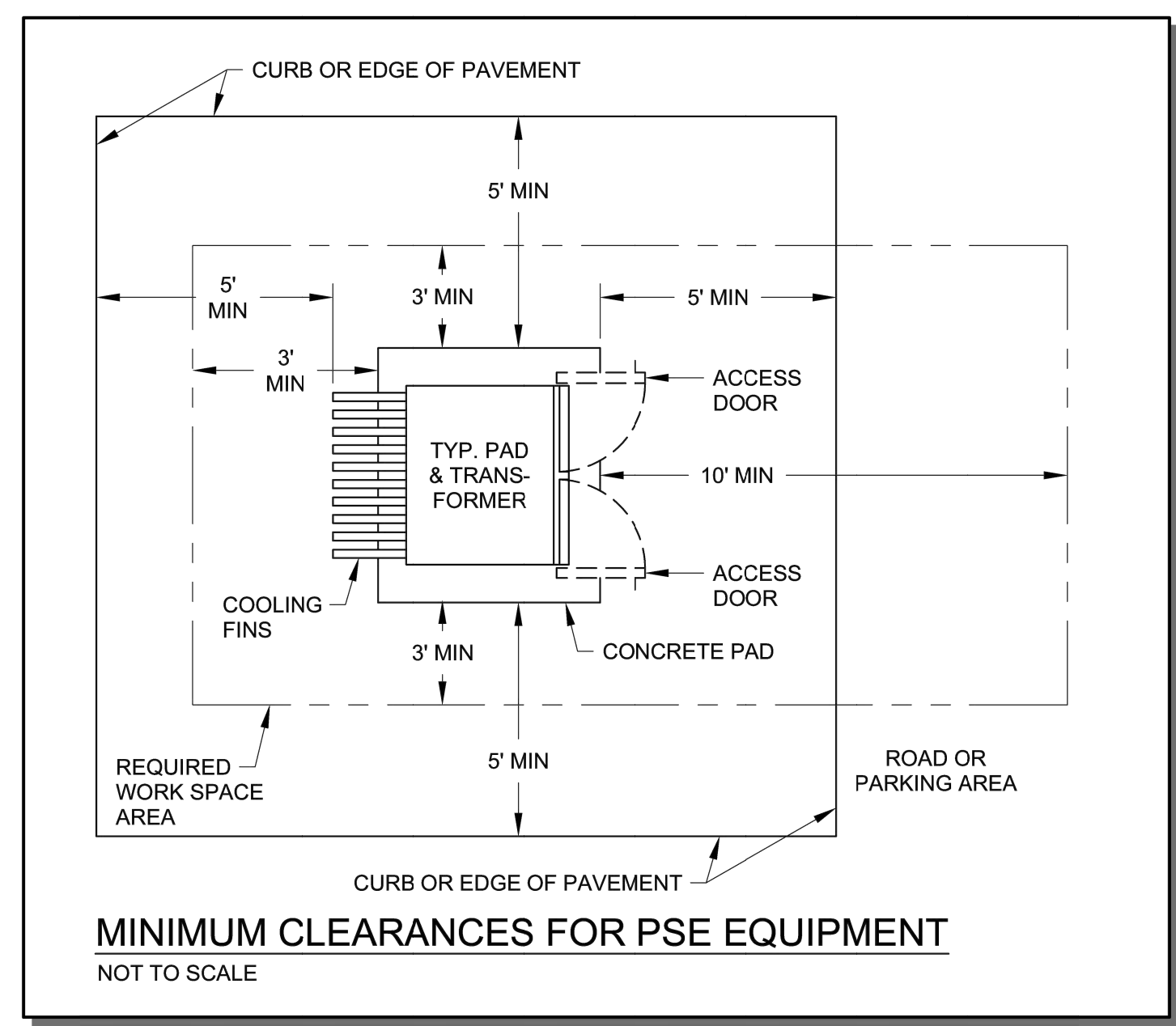
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1 PSE TRENCH SECTION NOT TO SCALE



2 PSE VAULT DETAIL NOT TO SCALE



3 PSE CLEARANCES FOR TRANSFORMER PAD NOT TO SCALE



Project Title:
COASTAL PACIFIC FOOD DISTRIBUTION PUYALLUP

Client:
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 1942 NORTHWOOD DRIVE
 SALISBURY, MARYLAND 21801
 Matt Smith

Project No.
 2230491.11

Issue Set & Date:
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City of Puyallup
 Development & Permitting Services
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Building	Planning
Engineering	Public Works
Fire	Traffic

Revisions:

Sheet Title:
DRY UTILITY DETAILS

Designed by: JI Drawn by: CM Checked by: TS

Sheet No.
C7.01
 21 of 25 Sheets

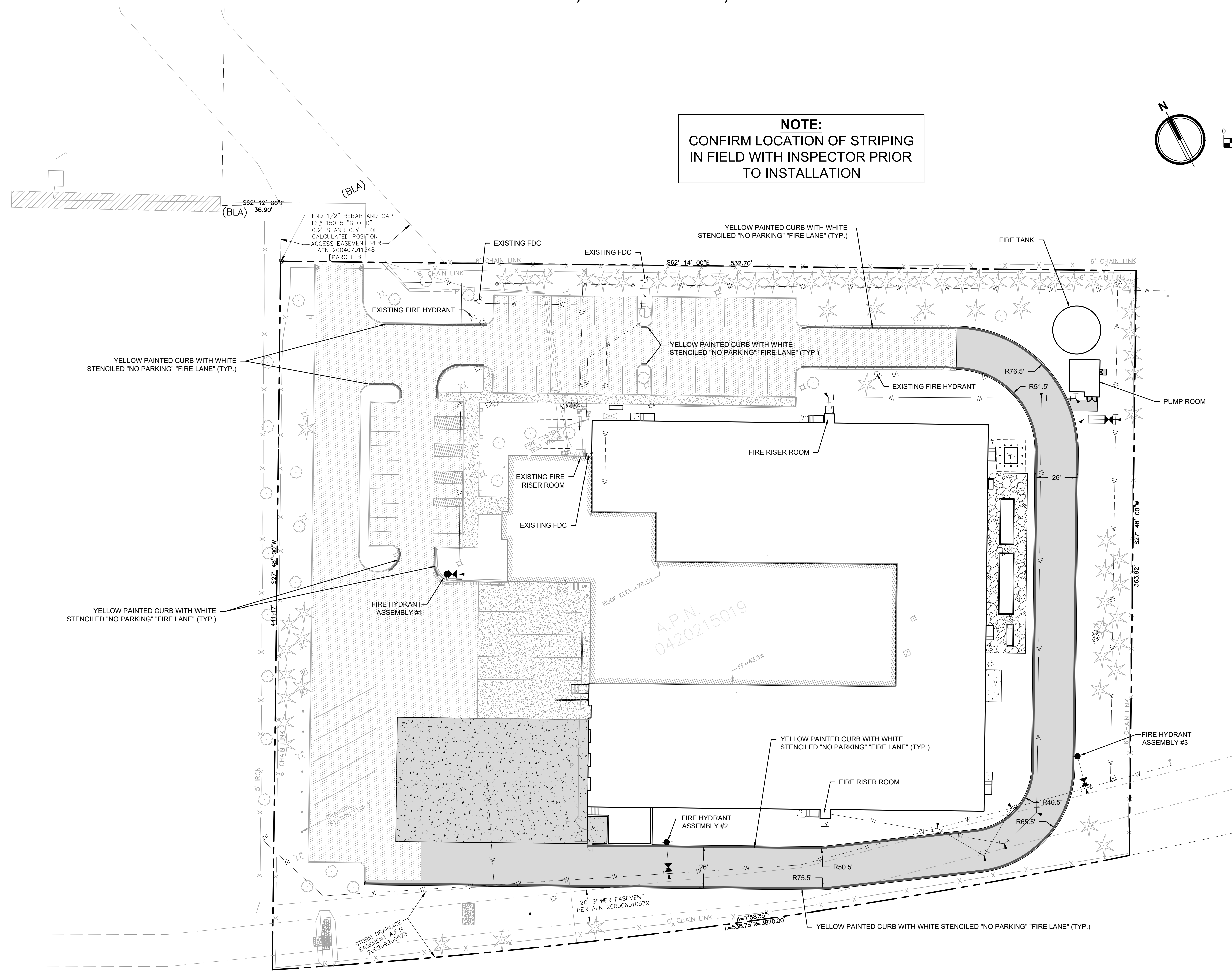
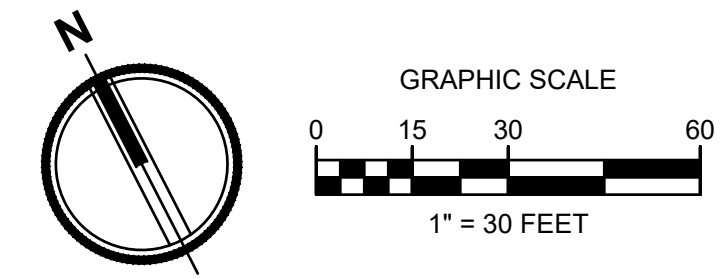
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CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON

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 DEVELOPMENT ENGINEERING
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NOTE:
 CONFIRM LOCATION OF STRIPING
 IN FIELD WITH INSPECTOR PRIOR
 TO INSTALLATION



Project Title:
COASTAL PACIFIC FOOD DISTRIBUTION PUYALLUP

Client:
 AWB ENGINEERS
 1942 NORTHWOOD DRIVE
 SALISBURY, MARYLAND 21801
 Matt Smith

Project No.:
 2230491.11

Issue Set & Date:
ISSUE FOR PERMIT (REVISION A)
 05/15/2024



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

Revisions:

Sheet Title:
FIRE LANE PLAN

Designed by: JI **Drawn by:** CM **Checked by:** TS

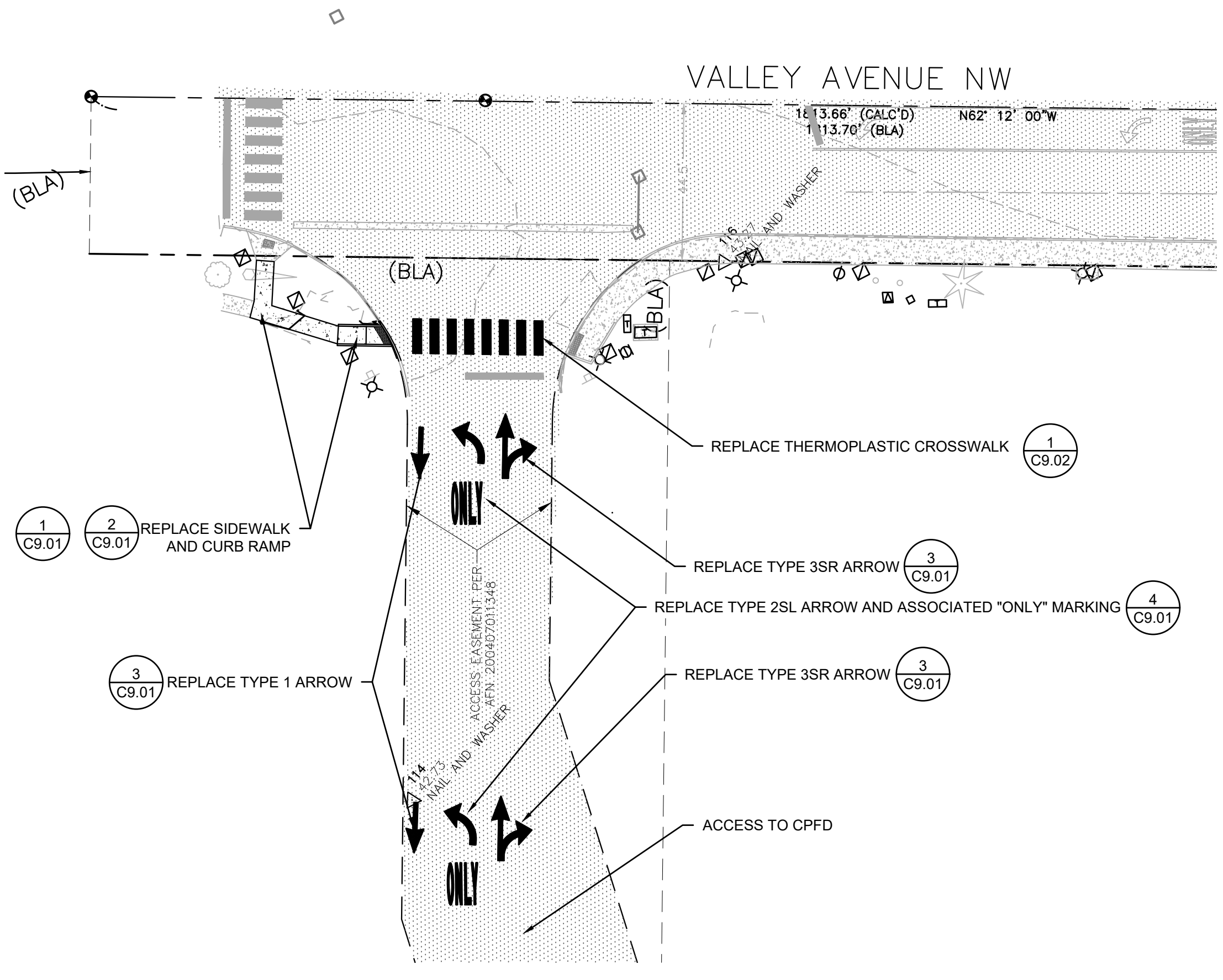
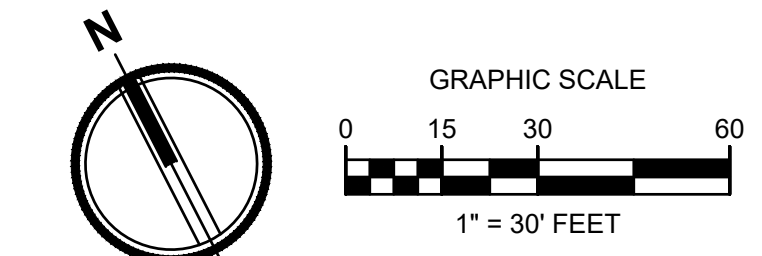
Sheet No.:
C8.00
 22 of 25 Sheets



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CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON

APPROVED
BY: *[Signature]*
CITY OF PUYALLUP
DEVELOPMENT ENGINEERING
DATE: 06/07/2024
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EXISTING LEGEND

- EXISTING
- SET NAIL AND WASHER
 - FOUND PROPERTY CORNER
 - BOLLARD
 - SIGN
 - UNKNOWN VAULT
 - GATE POST
 - CLEANOUT
 - STORM CATCH BASIN
 - STORM MANHOLE
 - ROOF DRAIN
 - GAS METER
 - GAS VALVE
 - GENERATOR
 - JUNCTION BOX
 - POWER METER
 - LUMINAIRE
 - FIRE DEPARTMENT CONNECTION
 - FIRE HYDRANT
 - HOSE BIB
 - IRRIGATION CONTROL VALVE
 - CONIFEROUS TREE AS NOTED
 - DECIDUOUS TREE AS NOTED
 - STORM LINE
 - GAS LINE
 - ELECTRICAL LINE
 - COMMUNICATION LINE
 - FENCE
 - ASPHALT
 - CONCRETE

PROPOSED LEGEND

- CONCRETE
- THERMOPLASTIC CROSSWALK

PROJECT DATA

PARCEL NO 0420215019
ADDRESS 322 VALLEY AVE NW
PUYALLUP, WA 98371

OWNER

COASTAL PACIFIC FOOD DISTRIBUTIONS
322 VALLEY AVE NW
PUYALLUP, WA 98371
PHONE: (209) 662-0948
CONTACT: FRANK PECORARO

CIVIL ENGINEER

AHBL INC.
2215 NORTH 30TH ST, SUITE 300
TACOMA, WA 98403
PHONE: (253) 383-2422
CONTACT: TODD SAWIN, PE
E-MAIL: TSAWIN@AHBL.COM

SURVEYOR

AHBL INC.
2215 NORTH 30TH ST, SUITE 300
TACOMA, WA 98403
PHONE: (253) 383-2422
CONTACT: DAVID FOLLANSBEE
E-MAIL: DFOLLANSBEE@AHBL.COM

LANDSCAPE ARCHITECT

AHBL INC.
1200 6TH AVENUE, SUITE 1620
SEATTLE, WA 98101
PHONE: (206) 677-2425
CONTACT: CRAIG SKIPTON
E-MAIL: CSKIPTON@AHBL.COM

FRONTAGE PLANS

Sheet Number	Sheet Title
C9.00	FRONTAGE IMPROVEMENTS
C9.01	FRONTAGE IMPROVEMENT DETAILS
C9.02	FRONTAGE IMPROVEMENTS DETAILS



VICINITY MAP

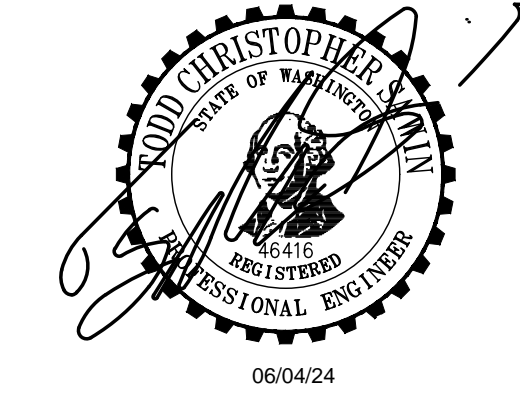
SCALE: 1" = 1000 FEET
322 VALLEY AVE NW
PUYALLUP, WA 98371

STRIPING/MARKING NOTES:

1. REPLACED STRIPING/MARKING TO BE LOCATED IN EXISTING LOCATIONS UNLESS OTHERWISE NOTED.
2. ALL REPLACED STRIPING/MARKINGS TO BE THERMOPLASTIC UNLESS OTHERWISE NOTED.
3. ALL STRIPING/MARKINGS SHALL BE PER LATEST CITY OF PUYALLUP WSDOT STANDARD PLANS AND SPECIFICATIONS UNLESS OTHERWISE NOTED.

GENERAL NOTES:

1. ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE CITY OF PUYALLUP. PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE 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.
2. AFTER COMPLETION OF ALL ITEMS SHOWN ON THESE PLANS AND BEFORE ACCEPTANCE OF THE PROJECT THE CONTRACTOR SHALL OBTAIN A "PUNCH LIST" PREPARED BY THE CITY'S INSPECTOR DETAILING REMAINING ITEMS OF WORK TO BE COMPLETED. ALL ITEMS OF WORK SHOWN ON THESE PLANS SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF THE WATER SYSTEM AND PROVISION OF SANITARY SEWER SERVICE.
3. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "STANDARD SPECIFICATIONS"), WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER, LATEST EDITION, UNLESS SUPERSEDED OR AMENDED BY THE CITY OF PUYALLUP CITY STANDARDS FOR PUBLIC WORKS ENGINEERING AND CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "CITY STANDARDS").
4. A COPY OF THESE APPROVED PLANS AND APPLICABLE CITY DEVELOPER SPECIFICATIONS AND DETAILS SHALL BE ON SITE DURING CONSTRUCTION.
5. ANY REVISIONS MADE TO THESE PLANS MUST BE REVIEWED AND APPROVED BY THE DEVELOPER'S ENGINEER AND THE CITY PRIOR TO ANY IMPLEMENTATION IN THE FIELD. THE CITY SHALL NOT BE RESPONSIBLE FOR ANY ERRORS AND/OR OMISSIONS ON THESE PLANS.
6. THE CONTRACTOR SHALL HAVE ALL UTILITIES VERIFIED ON THE GROUND PRIOR TO ANY CONSTRUCTION. CALL (811) AT LEAST TWO WORKING DAYS IN ADVANCE. THE OWNER AND HIS/HER ENGINEER SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS.
7. ANY STRUCTURE AND/OR OBSTRUCTION THAT REQUIRES REMOVAL OR RELOCATION RELATING TO THIS PROJECT SHALL BE DONE SO AT THE DEVELOPER'S EXPENSE.
8. LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE TRUE ELEVATIONS AND LOCATIONS OF HIDDEN UTILITIES. ALL VISIBLE ITEMS SHALL BE THE ENGINEER'S RESPONSIBILITY.
9. THE CONTRACTOR SHALL INSTALL, REPLACE, OR RELOCATE ALL SIGNS, AS SHOWN ON THE PLANS OR AS AFFECTED BY CONSTRUCTION, PER CITY STANDARDS.
10. POWER, STREET LIGHT, CABLE, AND TELEPHONE LINES SHALL BE IN A TRENCH LOCATED WITHIN A 10-FOOT UTILITY EASEMENT ADJACENT TO PUBLIC RIGHT-OF-WAY. RIGHT-OF-WAY CROSSINGS SHALL HAVE A MINIMUM HORIZONTAL SEPARATION FROM OTHER UTILITIES (SEWER, WATER, AND STORM) OF 5 FEET.
11. ALL CONSTRUCTION SURVEYING FOR EXTENSIONS OF PUBLIC FACILITIES SHALL BE DONE UNDER THE DIRECTION OF A WASHINGTON STATE LICENSED LAND SURVEYOR OR A WASHINGTON STATE LICENSED PROFESSIONAL CIVIL ENGINEER.
12. DURING CONSTRUCTION, ALL PUBLIC STREETS ADJACENT TO THIS PROJECT SHALL BE KEPT CLEAN OF ALL MATERIAL DEPOSITS RESULTING FROM ON-SITE CONSTRUCTION, AND EXISTING STRUCTURES SHALL BE PROTECTED AS DIRECTED BY THE CITY.
13. CERTIFIED RECORD DRAWINGS ARE REQUIRED PRIOR TO PROJECT ACCEPTANCE.
14. A NPDES STORMWATER GENERAL PERMIT MAY BE REQUIRED BY THE DEPARTMENT OF ECOLOGY FOR THIS PROJECT. FOR INFORMATION CONTACT THE DEPARTMENT OF ECOLOGY, SOUTHWEST REGION OFFICE AT (360)407-6300.
15. ANY DISTURBANCE OR DAMAGE TO CRITICAL AREAS AND ASSOCIATED BUFFERS, OR SIGNIFICANT TREES DESIGNATED FOR PRESERVATION AND PROTECTION SHALL BE MITIGATED IN ACCORDANCE WITH A MITIGATION PLAN REVIEWED AND APPROVED BY THE CITY'S PLANNING DIVISION. PREPARATION AND IMPLEMENTATION OF THE MITIGATION PLAN SHALL BE AT THE DEVELOPER'S EXPENSE.



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City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

Revisions:

Sheet Title:

FRONTAGE IMPROVEMENTS

Designed by: *JL* Drawn by: *CM* Checked by: *TS*

Sheet No.
C9.00
23 of 25 Sheets



CPFD

A PORTION OF THE NE 1/4 AND THE SE 1/4 OF SEC. 21, TWN. 20 N, RGE. 04 E, W.M. CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON

APPROVED

BY: *[Signature]*
CITY OF PUYALLUP
DEVELOPMENT ENGINEERING

DATE: 06/07/2024

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Matt Smith

Project No.
2230491.11

Issue Set & Date:
ISSUE FOR PERMIT (REVISION A)
05/15/2024



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City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

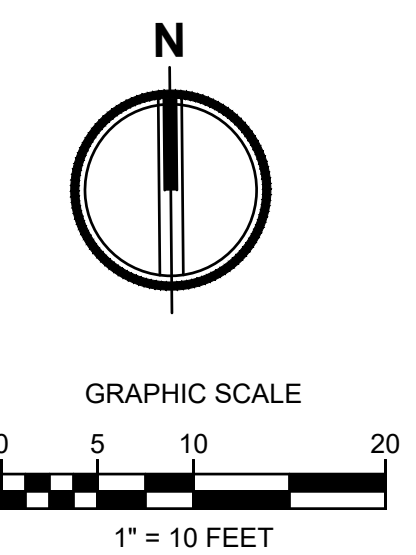
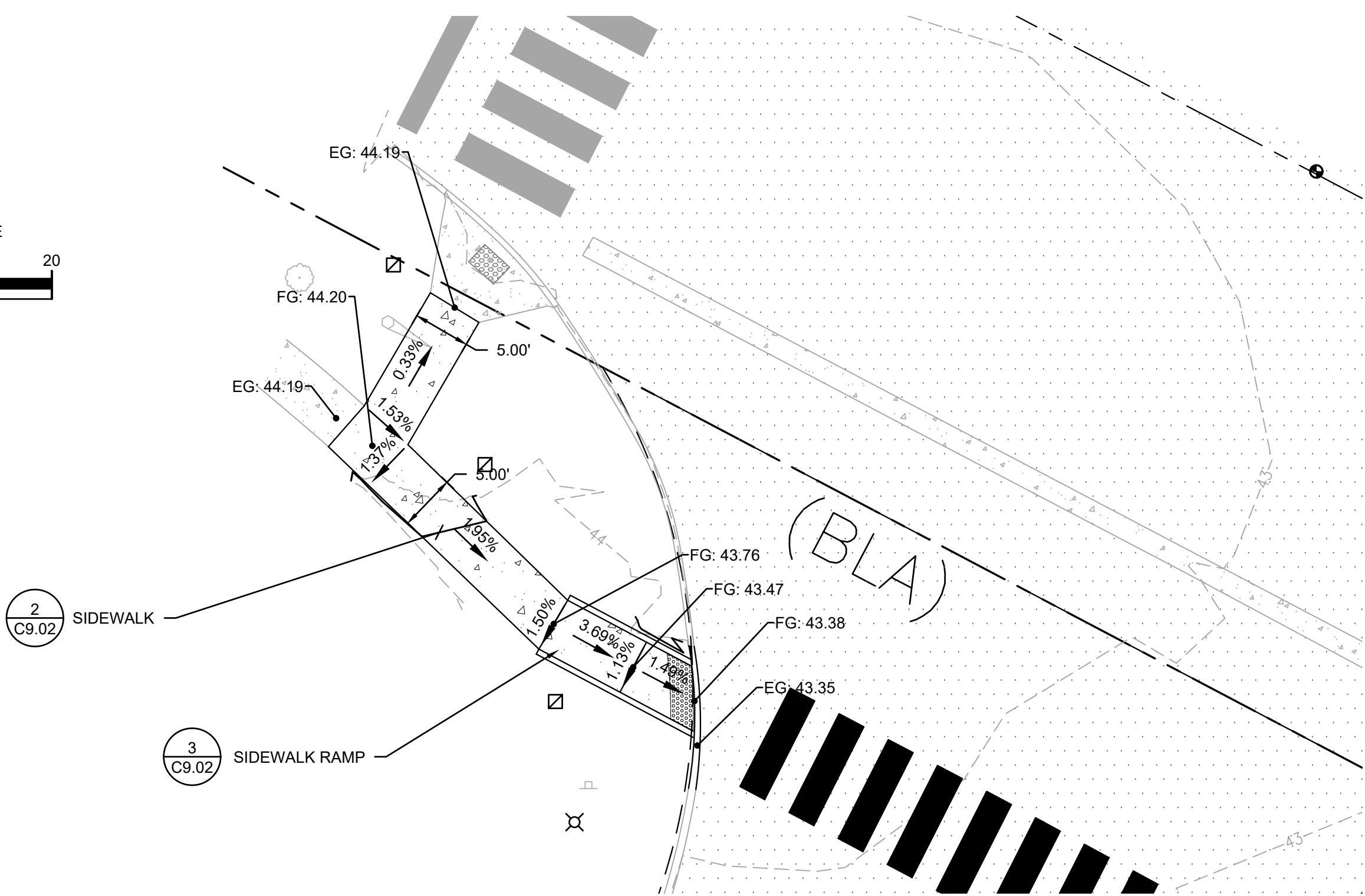
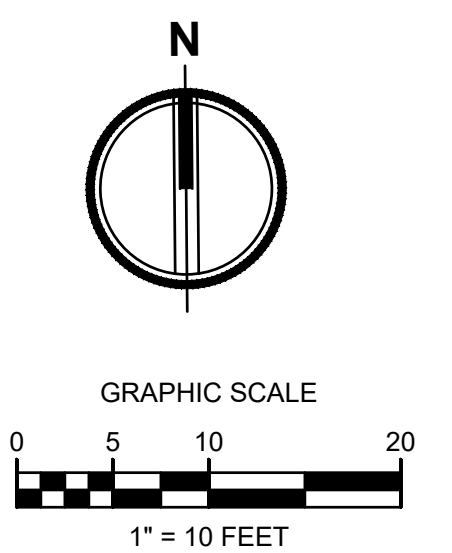
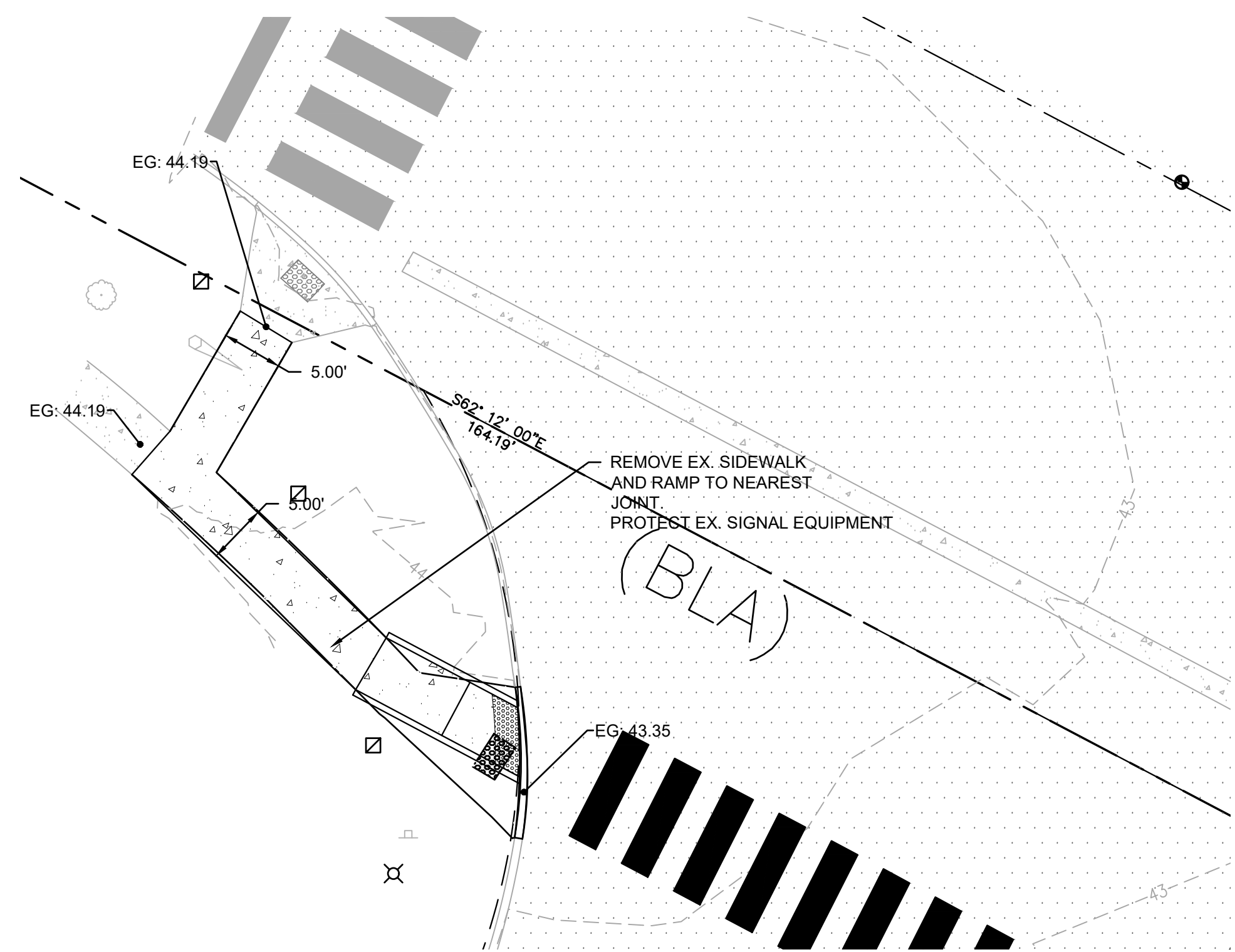
Revisions:

Sheet Title:
FRONTAGE IMPROVEMENT DETAILS

Designed by: JI Drawn by: CM Checked by: TS

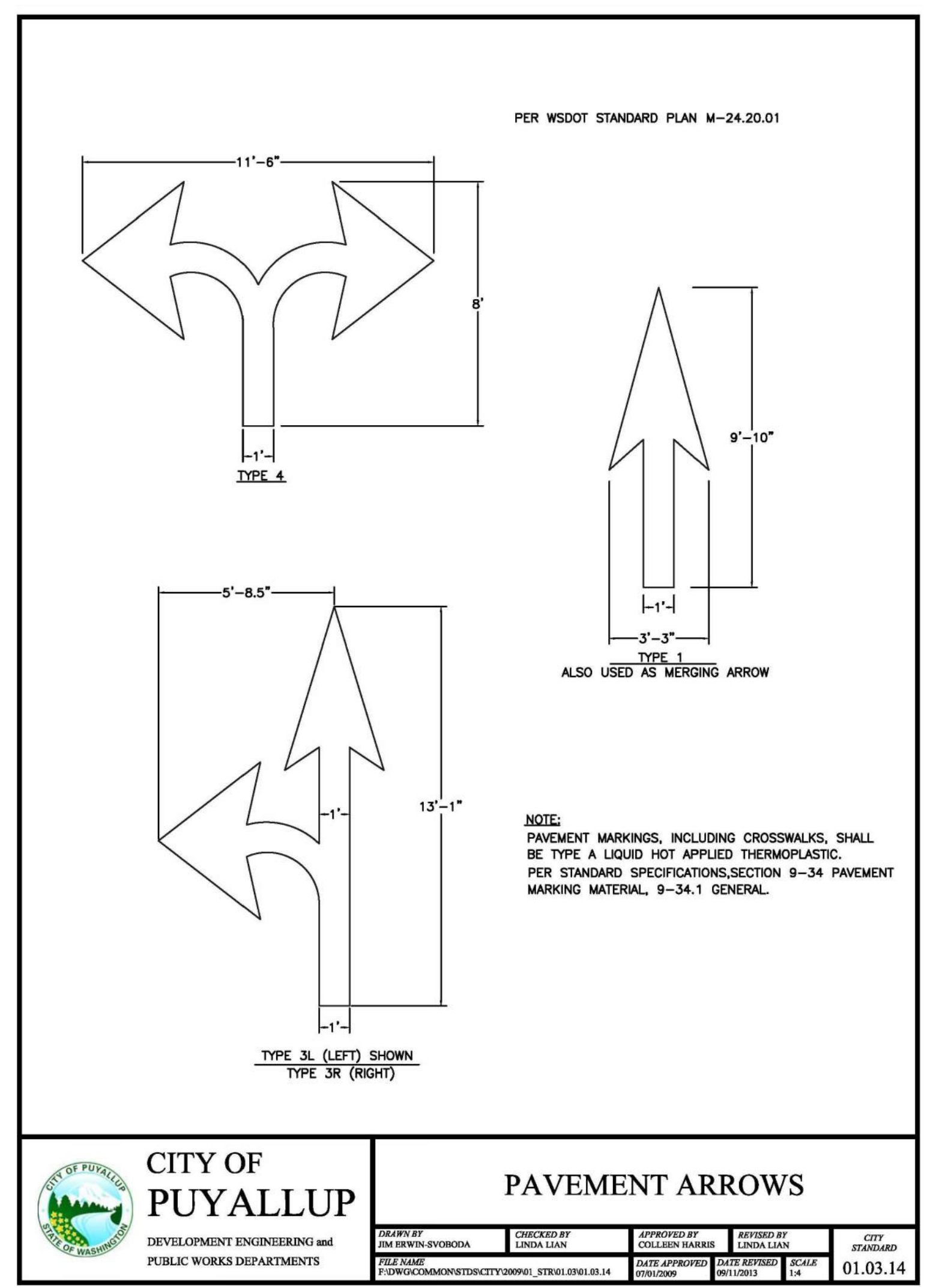
Sheet No.
C9.01

24 of 25 Sheets

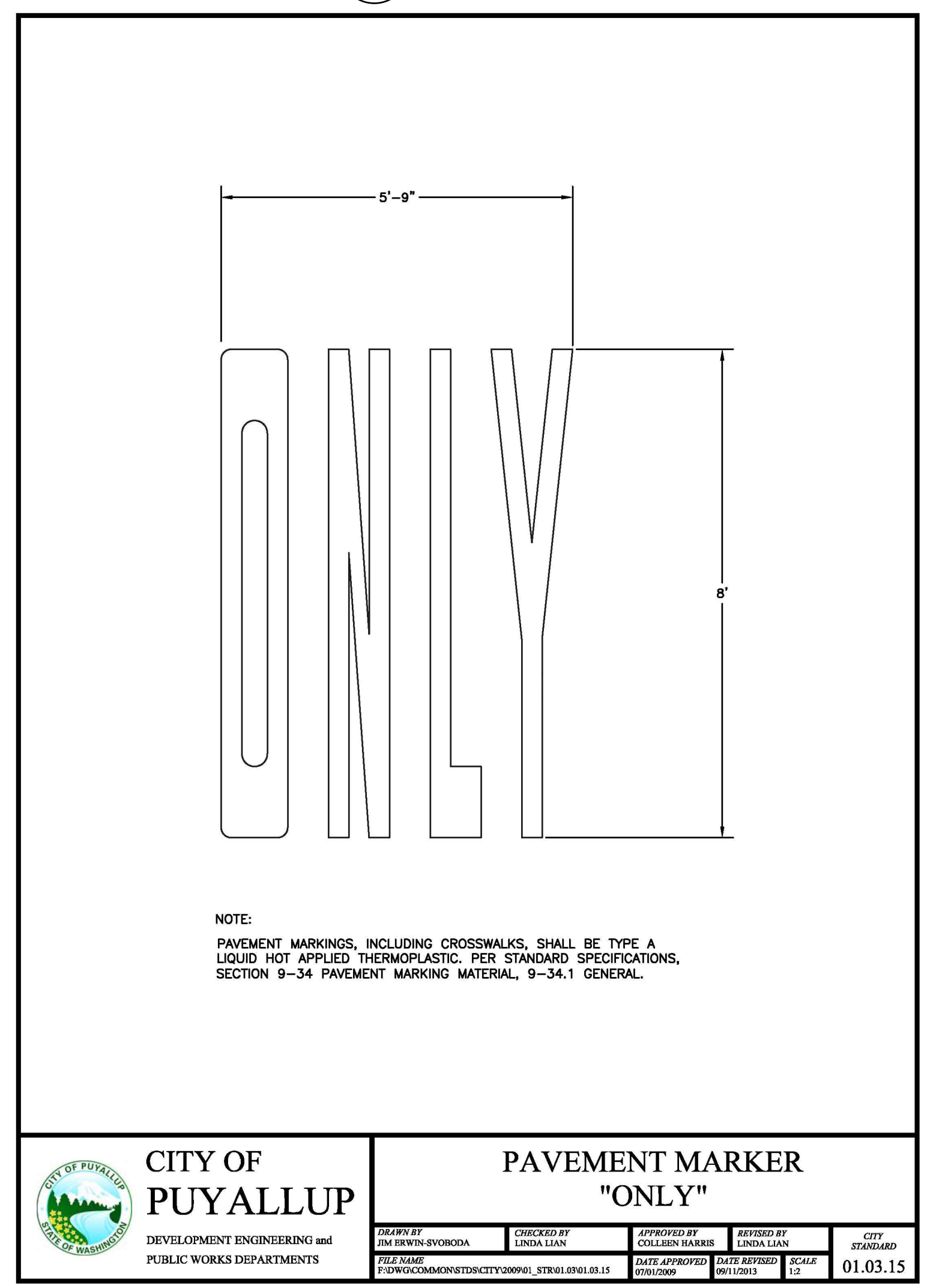


1 EXISTING RAMP DEMO
SCALE AS SHOWN

2 PROPOSED RAMP GRADES AND DIMENSIONS
SCALE AS SHOWN



3 PAVEMENT ARROWS
NOT TO SCALE



4 PAVEMENT MARKER - ONLY-
NOT TO SCALE



CPFD

A PORTION OF THE NE 1/4 AND THE SE 1/4 OF SEC. 21, TWN. 20 N, RGE. 04 E, W.M.
CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON

APPROVED
BY: [Signature]
CITY OF PUYALLUP
DEVELOPMENT ENGINEERING
DATE: 06/07/2024
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.

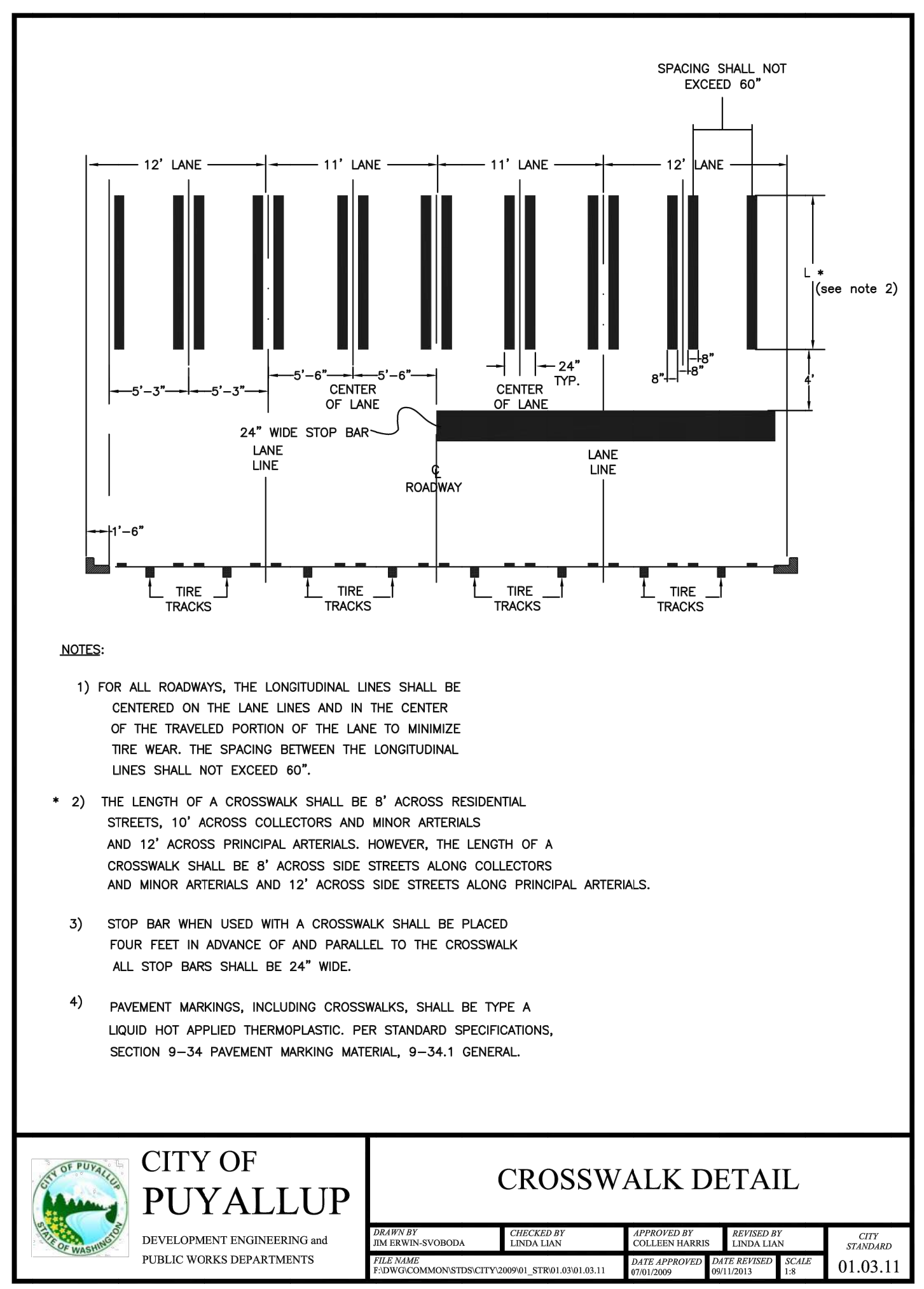
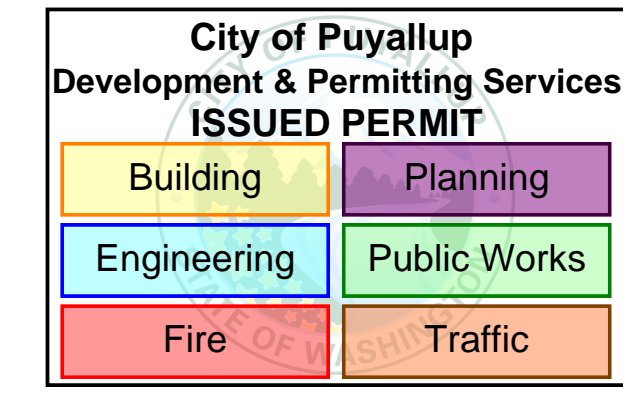


Project Title:
COASTAL PACIFIC FOOD DISTRIBUTION PUYALLUP
Client:
AWB ENGINEERS
1942 NORTHWOOD DRIVE
SALISBURY, MARYLAND 21801
Matt Smith

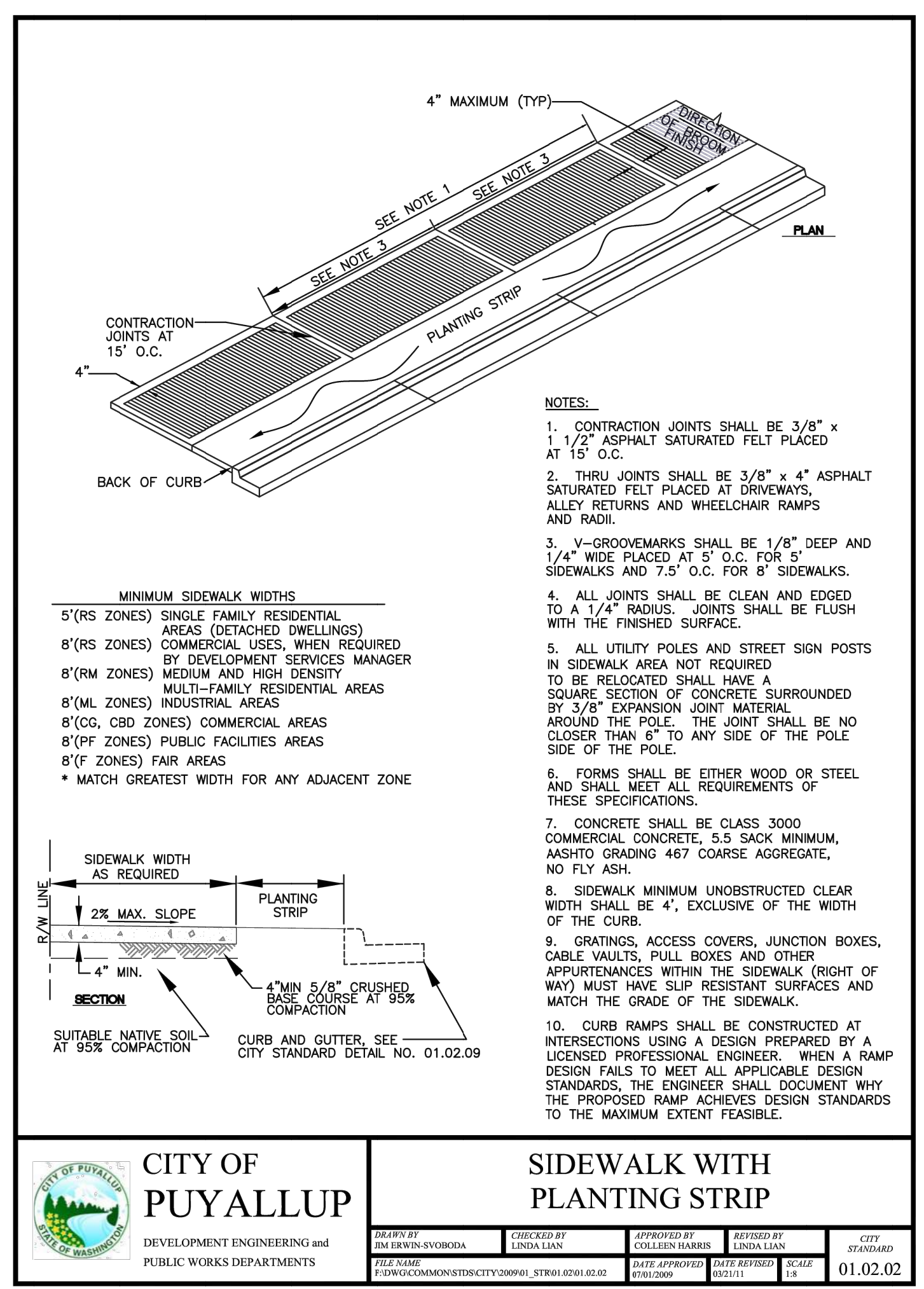
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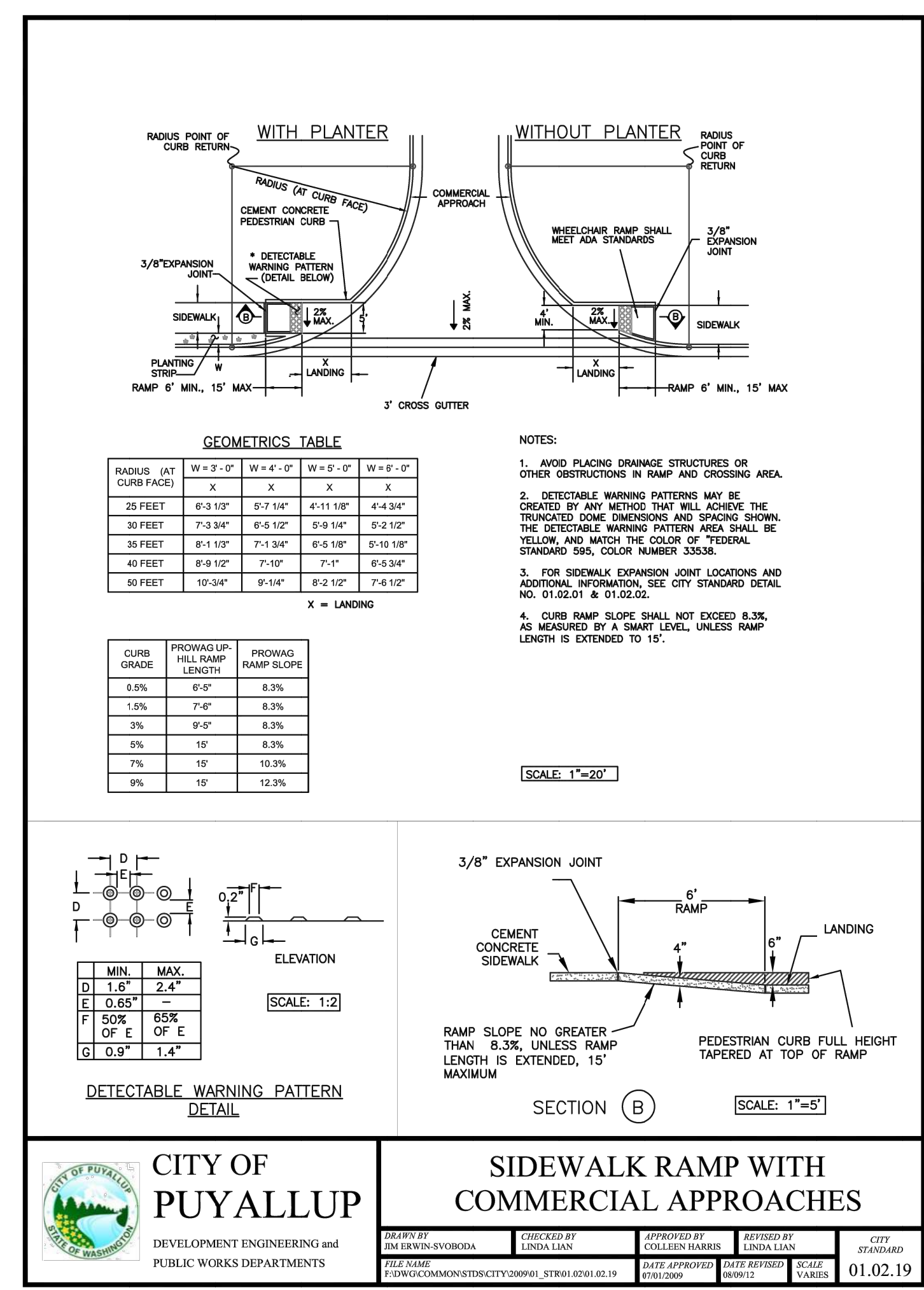
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CITY OF PUYALLUP DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS		CROSSWALK DETAIL		CITY STAMPED	
DESIGNED BY DAN FERREN-SYVORODA	CHECKED BY LINDA LANE	APPROVED BY COLLEEN BARBER	DATE APPROVED 05/15/2024	DATE REVISION 01/03/11	SCALE 18
01.03.11					



CITY OF PUYALLUP DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS		SIDEWALK WITH PLANTING STRIP		CITY STAMPED	
DESIGNED BY DAN FERREN-SYVORODA	CHECKED BY LINDA LANE	APPROVED BY COLLEEN BARBER	DATE APPROVED 05/15/2024	DATE REVISION 01/03/11	SCALE 18
01.02.02					



CITY OF PUYALLUP DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS		SIDEWALK RAMP WITH COMMERCIAL APPROACHES		CITY STAMPED	
DESIGNED BY DAN FERREN-SYVORODA	CHECKED BY LINDA LANE	APPROVED BY COLLEEN BARBER	DATE APPROVED 05/15/2024	DATE REVISION 01/03/11	SCALE 18
01.02.19					

1 CROSSWALK DETAIL
NOT TO SCALE

2 CURB AND GUTTER
NOT TO SCALE

3 CURB AND GUTTER DROP (VALLEY GUTTER)
NOT TO SCALE



Revisions:
Sheet Title:
FRONTAGE IMPROVMENT DETAILS
Designed by: JI Drawn by: CM Checked by: TS
Sheet No.
C9.02
25 of 25 Sheets