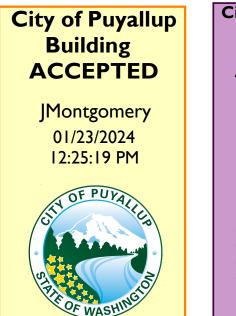
FULL SIZED LEDGIBLE COLOR PLANS ARE REQUIRED TO BE PROVIDED BY THE PERMITTEE ON SITE FOR ALL INSPECTIONS (MIN. PLAN SIZE 24" X 36")

Approval of submitted plans is not an approval of omissions or oversights by this office or noncompliance with any applicable regulations of local government. The contractor is responsible for making sure that the building complies with all applicable codes and regulations of the local government.







CRITERIA

HOLLOWCO SUPER

SUPER

GENERAL CONDITIONS

IN THE EVENT OF CONFLICTS BETWEEN THE STRUCTURAL DRAWINGS AND THE PROJECT SPECIFICATIONS, THE STRUCTURAL DRAWINGS SHALL CONTROL.

CONTRACTOR SHALL PROVIDE TEMPORARY BRACING FOR THE STRUCTURE AND STRUCTURAL COMPONENTS UNTIL ALL FINAL CONNECTIONS HAVE BEEN COMPLETED IN ACCORDANCE WITH THESE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR ALL SAFETY PRECAUTIONS AND THE METHODS, TECHNIQUES. SEQUENCES OR PROCEDURES REQUIRED TO PERFORM THE WORK.

DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED, SUBJECT TO REVIEW AND APPROVAL BY THE ARCHITECT AND THE STRUCTURAL ENGINEER.

CONTRACTOR-INITIATED CHANGES SHALL BE SUBMITTED IN WRITING TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO FABRICATION OR CONSTRUCTION. CHANGES SHOWN ON SHOP DRAWINGS ONLY WILL NOT SATISFY THIS REQUIREMENT.

THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE OSHA REGULATIONS. SHORING AND RESHORING SHALL BE DESIGNED BY A QUALIFIED DESIGNER AND THE ERECTED SHORING SHALL BE INSPECTED BY A REGISTERED STRUCTURAL ENGINEER, EXPERIENCED IN THE DESIGN OF SHORING SYSTEMS, WHO SHALL SUBMIT AN INSPECTION REPORT TO THE ARCHITECT. FORMWORK SHALL NOT BE REMOVED UNTIL THE CONCRETE HAS REACHED ITS DESIGN STRENGTH AS INDICATED IN THE CONCRETE NOTES.

SHOP DRAWINGS FOR THE FOLLOWING ITEMS SHALL BE SUBMITTED TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR REVIEW TWO WEEKS PRIOR TO FABRICATION:

SUBMITT

CONCRETE CONCRETE PLANKS STEEL AC SUPPORT

SUBMITTAL REVIEW OF BIDDER-DESIGNED AND PRE-ENGINEERED STRUCTURAL AND NON-STRUCTURAL COMPONENTS AND EQUIPMENT AND SUPPORTS SHALL INCLUDE THE STAMP OF THE PROFESSIONAL ENGINEER WHO PERFORMED THE DESIGN AS INDICATED ABOVE. THE ENGINEER SHALL BE REGISTERED IN THE STATE OF WASHINGTON. THE SUBMITTAL WILL BE SUBJECT TO A CURSORY REVIEW BY THE ENGINEER OF RECORD FOR LOADS IMPOSED ON THE BASIC STRUCTURE. THE COMPONENT DESIGNER IS RESPONSIBLE FOR CODE CONFORMANCE AND ALL NECESSARY CONNECTIONS NOT SPECIFICALLY CALLED OUT ON THE ARCHITECTURAL OR STRUCTURAL DRAWINGS. THE FOLLOWING CERTIFICATION SHALL BE INCLUDED ADJACENT TO THE ENGINEER'S STAMP ON ALL SUBMITTALS:

SHOP DRAWING REVIEW: DIMENSIONS AND QUANTITIES ARE NOT REVIEWED BY THE ENGINEER OF RECORD AND THEREFORE MUST BE VERIFIED BY THE CONTRACTOR. THE CONTRACTOR SHALL REVIEW AND STAMP DRAWINGS PRIOR TO REVIEW BY ENGINEER OF RECORD. SUBMITTALS SHALL INCLUDE A REPRODUCIBLE AND ONE COPY. THE REPRODUCIBLE WILL BE MARKED AND RETURNED.

IN THE EVENT OF DEVIATIONS, DISCREPANCIES, OR CONFLICTS BETWEEN APPROVED SHOP DRAWING SUBMITTALS AND THE CONTRACT DOCUMENTS, THE DESIGN DRAWINGS AND SPECIFICATIONS SHALL CONTROL.

GENERAL STRUCTURAL NOTES

(THE FOLLOWING APPLY UNLESS NOTED OTHERWISE ON THE DRAWINGS.)

ALL MATERIALS, WORKMANSHIP, DESIGN, AND CONSTRUCTION SHALL CONFORM TO THE DRAWINGS, SPECIFICATIONS, AND THE INTERNATIONAL BUILDING CODE (IBC), 2018 EDITION.

LOAD TYPE	ENGINEERING CRITERIA
ORE PLANK RIMPOSED DEAD LOAD	DEPTH OF SOIL PER PLAN SOIL WEIGHT = 125 PSF
RIMPOSED LIVE LOAD	PER PLAN NOTES

STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH CIVIL DRAWINGS FOR BIDDING AND CONSTRUCTION. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS WITH CIVIL ENGINEER'S DRAWINGS FOR COMPATIBILITY AND SHALL NOTIFY CIVIL ENGINEER OF ALL DISCREPANCIES PRIOR TO CONSTRUCTION.

REQUIRED SUBMITTALS

ΓAL	SUBMITTAL REQUIRED	STAMPED BY REGISTERED ENGINEER	ENGINEERING CALCULATIONS
E REINFORCING	YES	NOT REQUIRED	NOT REQUIRED
TE HOLLOWCORE	YES	YES	YES
CCESS GRATE AND BEAM	YES	YES	YES

, A LICENSED ENGINEER IN THE STATE OF WASHINGTON, DO HEREBY CERTIFY THAT I HAVE REVIEWED THE CONTRACT DOCUMENTS AND HAVE TO THE BEST OF MY KNOWLEDGE INCORPORATED ALL OF THE DESIGN CRITERIA CONTAINED THEREIN.

DEFERRED SUBMITTALS

THE FOLLOWING DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE ARCHITECT AND ENGINEER OF RECORD FOR APPROVAL PRIOR TO SUBMITTAL TO THE BUILDING DEPARTMENT FOR REVIEW:

DEFERRED SUBMITTAL	STAMP ² REQUIRED	EOR APPROVAL REQUIRED	CALCULATIONS AND DRAWINGS REQUIRED
CONCRETE HOLLOWCORE	YES	YES	YES
STEEL ACCESS GRATE AND SUPPORT BEAM	YES	YES	YES

NOTES:

I. ITEM(S) NOT INCLUDED IN THIS BUILDING PERMIT

2. ENGINEER REGISTERED IN THE STATE OF WASHINGTON.

<u>GEOTECHNICAL</u>

FOUNDATION NOTES: SUBGRADE PREPARATION INCLUDING DRAINAGE, EXCAVATION, COMPACTION, AND FILLING REQUIREMENTS, SHALL CONFORM STRICTLY WITH RECOMMENDATIONS GIVEN IN THE SOILS REPORT OR AS DIRECTED BY THE GEOTECHNICAL ENGINEER.

FOOTINGS SHALL BEAR ON FIRM, UNDISTURBED EARTH OR CONTROLLED, COMPACTED STRUCTURAL FILL, AT LEAST 18" BELOW LOWEST ADJACENT FINISHED GRADE. FOOTING DEPTHS/ELEVATIONS SHOWN ON THE DRAWINGS ARE MINIMUM AND FOR GUIDANCE ONLY; THE ACTUAL ELEVATIONS OF FOOTINGS SHALL BE ESTABLISHED BY THE CONTRACTOR IN THE FIELD WORKING WITH THE TESTING LAB AND GEOTECHNICAL ENGINEER.

BACKFILL BEHIND ALL RETAINING WALLS WITH FREE DRAINING, GRANULAR FILL AND PROVIDE FOR SUBSURFACE DRAINAGE AS NOTED IN THE SOILS REPORT.

ALLOWABLE SOIL PRESSURE	1500 PSF
ACTIVE EARTH PRESSURE	35 PCF (LEVEL BACKFILL)
AT-REST EARTH PRESSURE (SATURATED)	. 80 PCF (LEVEL BACKFILL)
PASSIVE EARTH PRESSURE	350 PCF
TRAFFIC SURCHARGE	. AS NOTED ON PLAN
SEISMIC SURCHARGE	25*H (H = HEIGHT OF WALL)
COEFFICIENT OF FRICTION	. 0.35

GEOTECHNICAL REPORT REFERENCE: KRAZAN & ASSOCIATES, INC. PROJECT NUMBER 062-22010 DATED MAY 6, 2022 AND SUPPLEMENTAL INFORMATION PROVIDED OCTOBER 4, 2023.

THE DESIGN SHOWN IN THESE DRAWINGS SHALL BE REVIEWED BY THE GEOTECHNICAL ENGINEER FOR COMPLIANCE WITH THE ABOVE REFERENCED SOILS REPORT. IN THE EVENT OF CONFLICTS BETWEEN THESE DRAWINGS AND THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER, THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS SHALL CONTROL. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE STRUCTURAL ENGINEER FOR POSSIBLE REDESIGN.

DIVISION 3: CONCRETE

CONCRETE SHALL BE MIXED, PROPORTIONED, CONVEYED AND PLACED IN ACCORDANCE WITH IBC SECTION 1905 AND ACI 301. STRENGTHS AT 28 DAYS AND MIX CRITERIA SHALL BE AS FOLLOWS:

TYPE OF CONCRETE CONSTRUCTION	MIN. COMPRESSIVE STRENGTH, f'c AT 28 DAYS	MAX. W/C RATIO	MINIMUM CEMENT CONTENT PER CUBIC YARD
SLABS ON GRADE	3000 PSI	0.63	51/2 SACKS
CONCRETE WALLS, COLUMNS & CIP LID	4500 PSI	0.48	6½ SACKS
CURBS AT 5'XIO' ACCESS GRATES	4500 PSI	0.48	6½ SACKS

THE MINIMUM AMOUNTS OF CEMENTITIOUS MATERIAL MAY BE CHANGED IF A CONCRETE MIX DESIGN IS SUBMITTED TO THE STRUCTURAL ENGINEER AND THE BUILDING OFFICIAL FOR APPROVAL TWO WEEKS PRIOR TO PLACING ANY CONCRETE. THE MIX DESIGN SHALL INCLUDE THE AMOUNTS OF CEMENT FINE AND COARSE AGGREGATE, WATER AND ADMIXTURES, AS WELL AS THE WATER-CEMENT RATIO, SLUMP, CONCRETE YIELD AND SUBSTANTIATING STRENGTH DATA IN ACCORDANCE WITH THE LATEST EDITION OF ACI 318, CHAPTER 5. THE REVIEW OF MIX DESIGN SUBMITTALS BY THE ENGINEER OF RECORD INDICATES ONLY THE INFORMATION PRESENTED CONFORMS GENERALLY WITH CONTRACT DOCUMENTS. CONTRACTOR MAINTAINS FULL RESPONSIBILITY FOR SPECIFIED PERFORMANCE.

ALL CONCRETE WITH SURFACES EXPOSED TO STANDING WATER SHALL BE AIR-ENTRAINED WITH AN AIR-CONTENT PER ACI.

REINFORCING STEEL SHALL CONFORM TO ASTM A615 (INCLUDING SUPPLEMENT SI), GRADE 60, fy = 60,000 PSI.

ALL REINFORCING STEEL SHALL BE ACCURATELY PLACED AND ADEQUATELY SUPPORTED BEFORE CONCRETE IS PLACED. "WET-SETTING" BARS IS NOT PERMITTED.

CONCRETE PROTECTION (COVER) FOR REINFORCING STEEL SHALL BE AS FOLLOWS:

CONDITION	BAR SIZES	CLEAR COVER
UNFORMED SURFACES CAST AGAINST EARTH	ALL	3 INCHES
FORMED AND FINISHED SURFACES EXPOSED TO EARTH OR WEATHER	#5 OR SMALLER #6 OR LARGER	11/2 INCHES 2 INCHES
COLUMN AND BEAM REINFORCEMENT INCLUDING TIES AND STIRRUPS	ALL	1/2 INCHES
INTERIOR SURFACES OF WALLS AND SLABS	#II OR SMALLER	³ ∕4 INCHES



CONCRETE - PE	RIBC	2018 -	TABLE 1705.3	
VERIFCATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCE STANDARD	IBC REFERENCE
I. INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS AND PLACEMENT		×	ACI 318: 3.5, 7.1-7.7	1910.4
2. INSPECTION OF ANCHORS CAST IN CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED OR WHERE STRENGTH DESIGN IS USED		х	ACI 318: 8.1.3, 21.1.8	1908.5 1909.1
3. INSPECTION OF ANCHORS POST INSTALLED IN HARDENED CONCRETE MEMBERS ^b		x	ACI 318: 3.8.6, 8.1.3, 21.1.8	1909.1
4. VERIFYING USE OF REQUIRED MIX DESIGN		X	ACI 318: CH. 4, 5.2-5.4	1904.2, 1910.2. 1910.3
5. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	x		ASTM C 172 ASTM C 31 ACI 318: 5.6, 5.8	1910.10
6. INSPECTION OF CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUE	x		ACI 318: 5.9, 5.10	1910.6, 1910.7, 1910.8
7. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES		×	ACI 318: 5.11-5.13	1910.9
 8. INSPECTION OF PRESTESSED CONCRETE:^c a. APPLICATION OF PRESTRESSING FORCES b. GROUTING OF BONDED PRESTRESSING TENDONS IN THE SEISMIC FORCE RESISTING SYSTEM 	X X		ACI 318: 18.20 ACI 318: 18.18.4	
9. ERECTION OF PRECAST CONCRETE MEMBERS		Х	ACI 318: CH. 16	
IO. VERIFCATION OF IN-SITU CONCRETE STRENGTH PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS		×	ACI 318: 6.2	
II. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED		×	ACI 318: 6.1.1	

b. SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH ACI 355.2 OR OTHER QUALIFIED PROCEDURES. WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED, SPECIAL INSPECTION REQUIREMENTS SHALL BE SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO THE COMMENCEMENT OF THE WORK. C. PER IBC SECTION 1704.2.5.2, SPECIAL INSPECTION OF PRESTRESSED HOLLOWCORE CONCRETE PLANK IS NOT REQUIRED WHERE THE WORK IS DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION. AT THE COMPLETION OF FABRICATION, THE CONTRACTOR SHALL SUBMIT TO THE BUILDING OFFICIAL A CERTIFICATE OF COMPLIANCE FROM THE APPROVED FABRICATOR STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.

VERI FOUN DESI 2. VERIF PROP MATE 3. PERF COM 4. VERI AND COMF

> 5. PRIOF OBSE HAS

Special Inspection required per Chapter 17 of the 2018 IBC **PROVIDE ALL REPORTS TO BUILDING INSPECTOR**

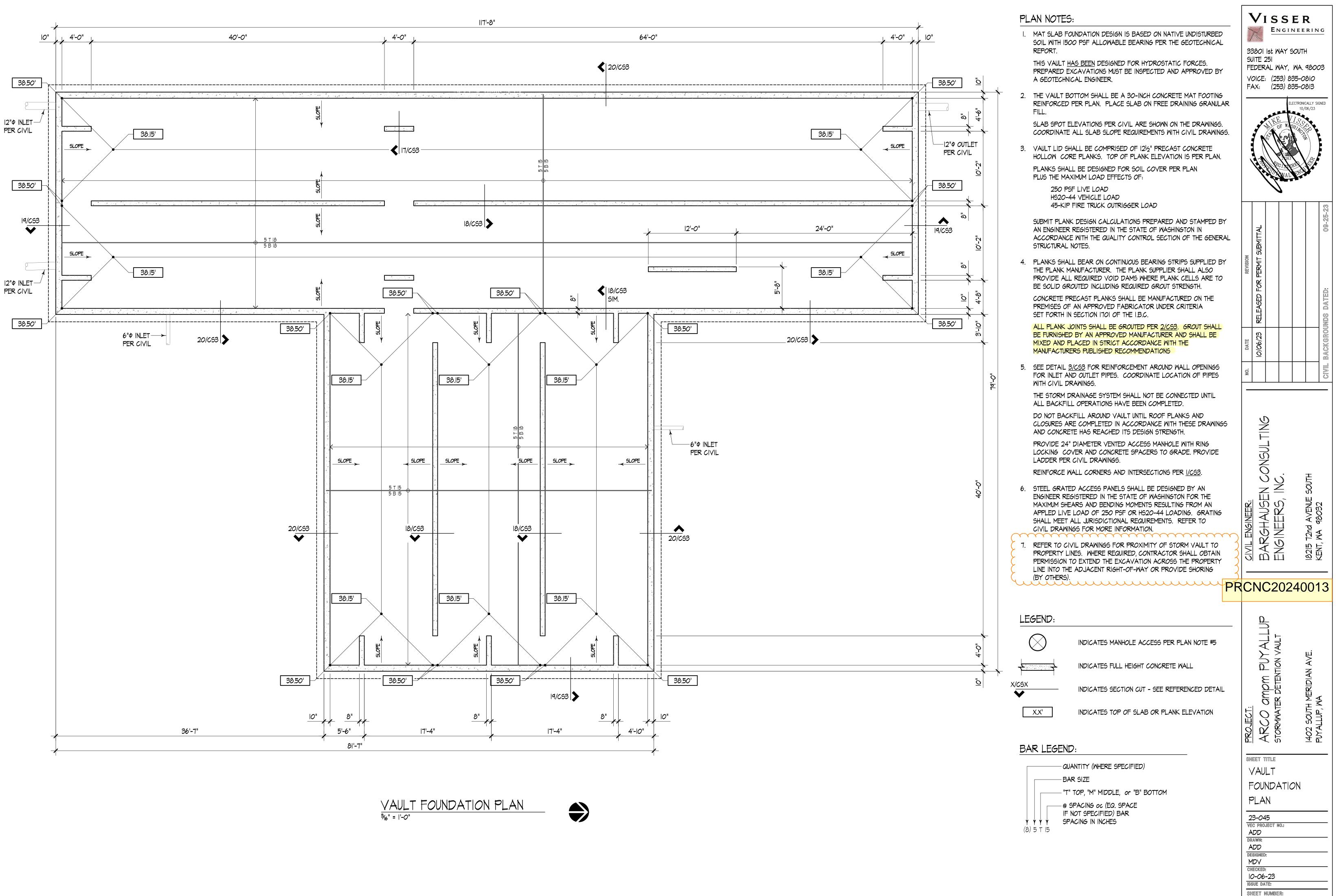
STATEMENT OF SPECIAL INSPECTIONS

SPECIAL INSPECTIONS SHALL BE PERFORMED BY AN APPROVED AGENCY FOR THE FOLLOWING WORK ITEMS:

a. WHERE APPLICABLE, SEE ALSO SECTION 1705.11, SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE.

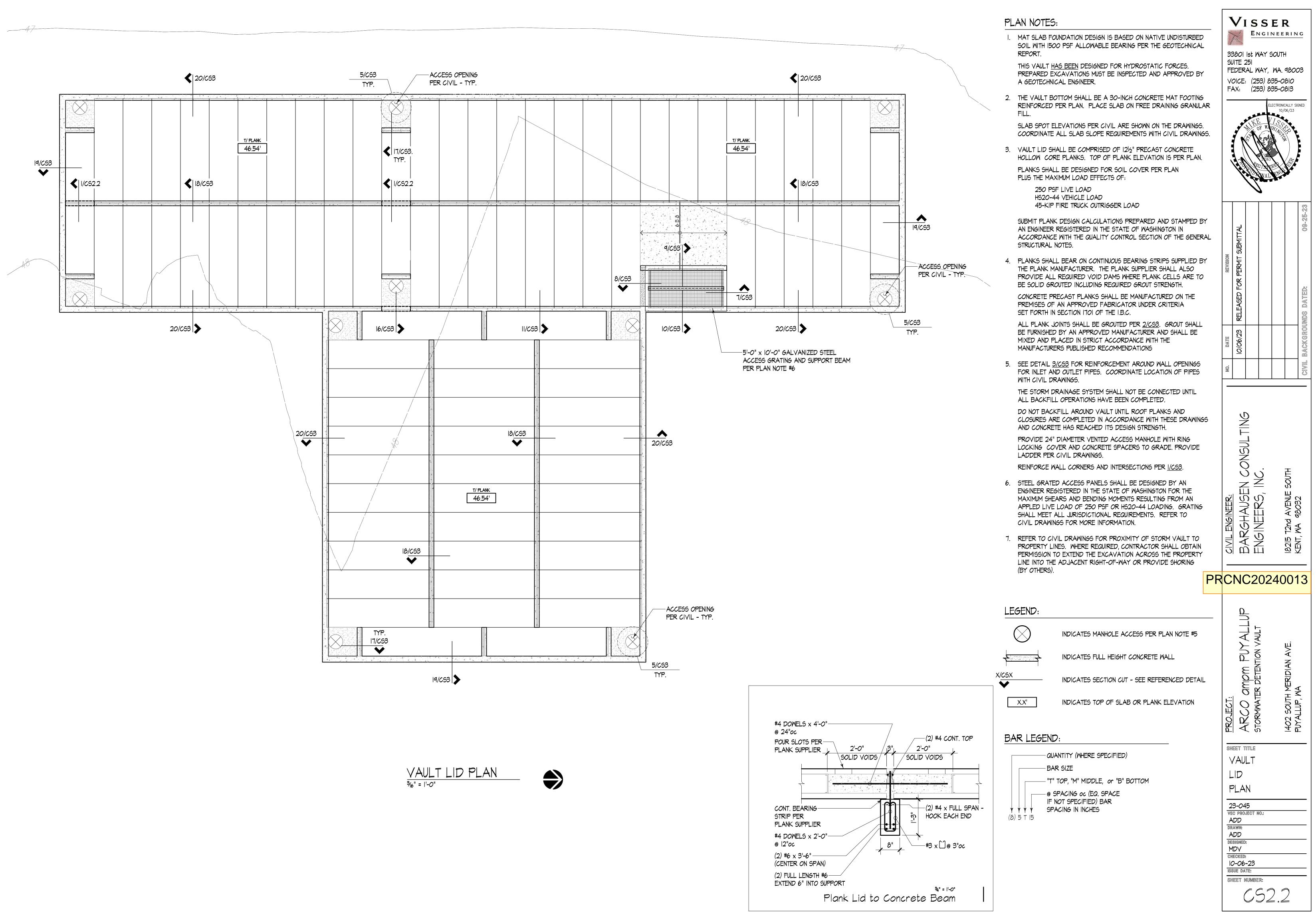
SOILS - PER IBC 2	2018 TABLE 170	05.6
VERIFCATION AND INSPECTION TASK	CONTINUOUS DURING TASK	PERIODIC DURING TASK
NFY MATERIALS BELOW SHALLOW NDATIONS ARE ADEQUATE TO ACHIEVE THE NGN BEARING CAPACITY		×
NFY EXCAVATIONS ARE EXTENDED TO OPER DEPTH AND HAVE REACHED PROPER TERIAL		×
FORM CLASSIFICATION AND TESTING OF IPACTED FILL MATERIALS		X
NFY USE OF PROPER MATERIALS, DENSITIES DIFT THICKNESSES DURING PLACEMENT AND IPACTION OF COMPACTED FILL	Х	
OR TO PLACEMENT OF COMPACTED FILL, DERVE SUBGRADE AND VERIFY THAT SITE DEEN PREPARED PROPERLY		X

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	REVISION	ERMIT SUBMITTAL					09-25-23
	DATE	10/06/23 RELEASED FOR PERMIT SUBM					CIVIL BACKGROUNDS DATED:
	NO.						CIV
PR	CIVIL ENGINEER:			DINTERS' INC.			NENI, WA 40002
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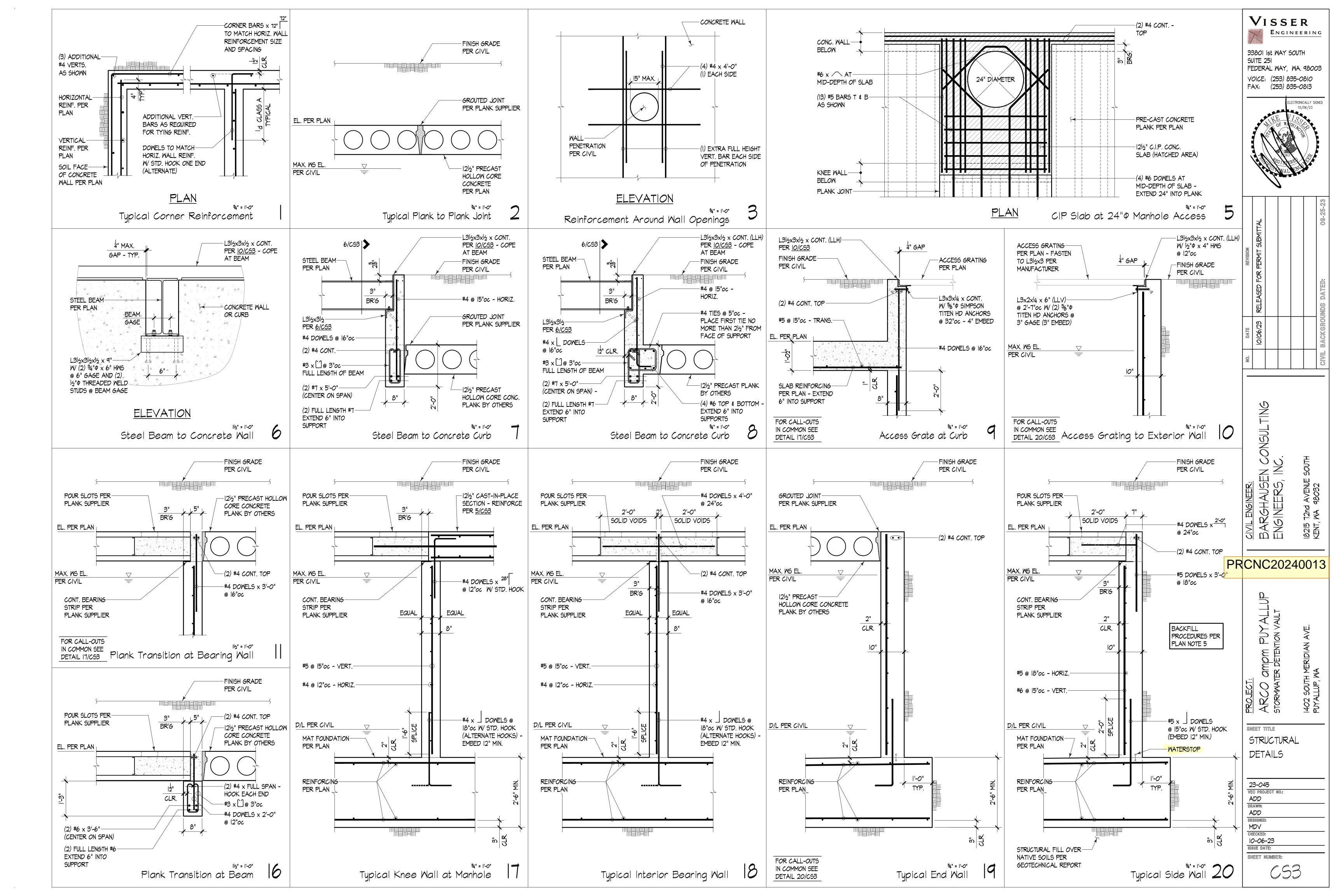




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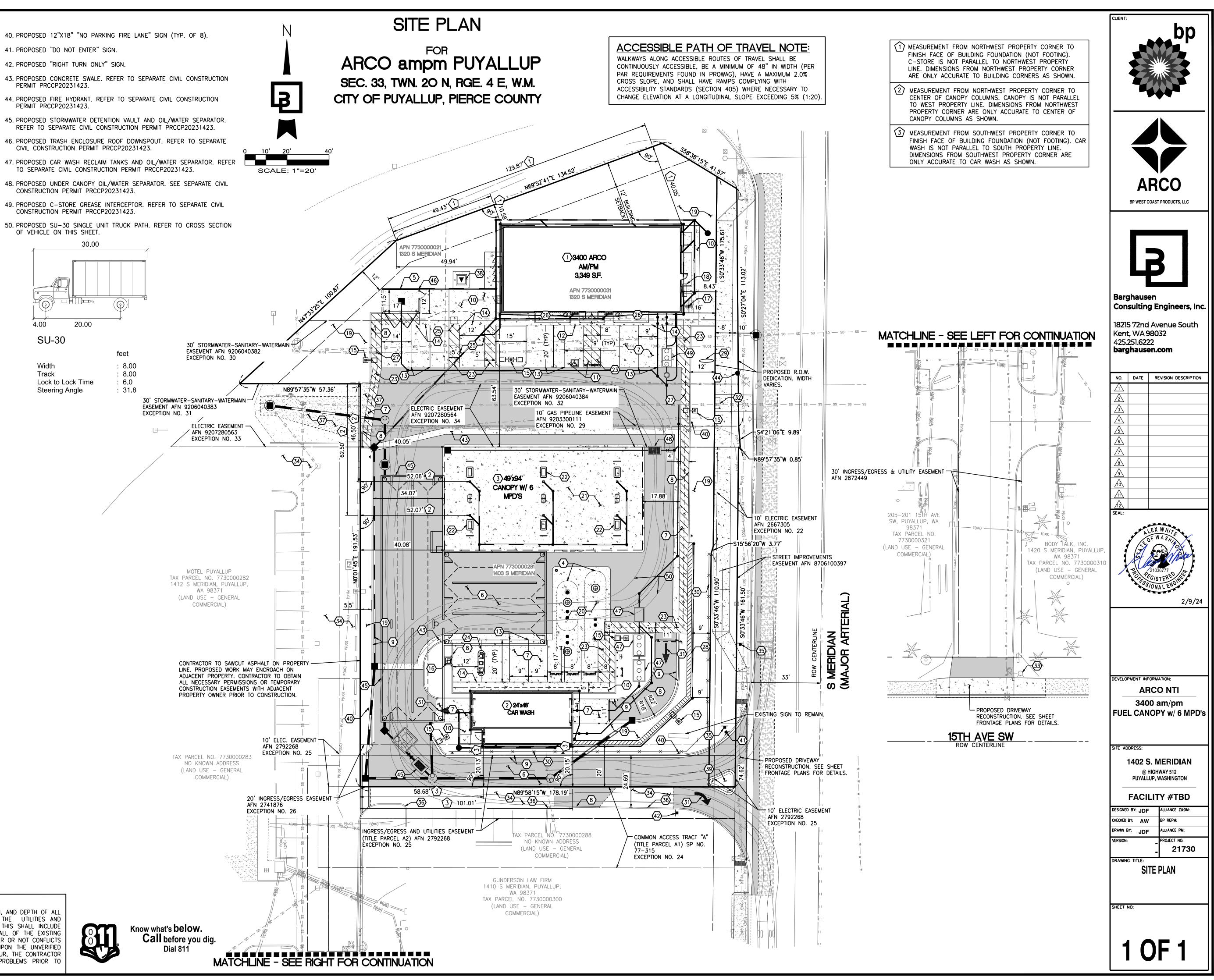
CONSTRUCTION NOTES:

- PROPOSED CONVENIENCE STORE. CONFIRM ALL DIMENSIONS WITH ARCHITECTURAL PLANS. SEE ARCHITECTURAL PLANS FOR DETAILS.
- PROPOSED CAR WASH. CONFIRM ALL DIMENSIONS WITH ARCHITECTURAL PLANS. SEE ARCHITECTURAL PLANS FOR DETAILS.
- PROPOSED LOCATION OF FUEL CANOPY. CONFIRM ALL DIMENSIONS WITH THE ARCHITECTURAL AND FUEL PLANS. SEE ARCHITECTURAL PLANS AND FUEL PLANS FOR DETAILS.
- PROPOSED 25K AND 22K SPLIT UNDERGROUND STORAGE TANKS. SEE FUEL PLANS FOR DETAILS.
- 5. PROPOSED TRASH ENCLOSURE AND CONCRETE TRASH ENCLOSURE SLAB. SEE ARCHITECTURAL PLANS FOR DETAILS.
- PROPOSED ON-SITE ASPHALT PAVEMENT. REFER TO SEPARATE CIVIL CONSTRUCTION PERMIT PRCCP20231423.
- PROPOSED ON-SITE CONCRETE PAVEMENT. REFER TO SEPARATE CIVIL CONSTRUCTION PERMIT PRCCP20231423.
- PROPOSED BARRIER CURB. REFER TO SEPARATE CIVIL CONSTRUCTION PERMIT PRCCP20231423.
- 9. PROPOSED CURB AND GUTTER. REFER TO SEPARATE CIVIL CONSTRUCTION PERMIT PRCCP20231423.
- 10. PROPOSED CONCRETE SIDEWALK, WIDTH VARIES, REFER TO SEPARATE CIVIL CONSTRUCTION PERMIT PRCCP20231423.
- 11. PROPOSED ACCESSIBLE PARKING STALL AND AISLE. REFER TO SEPARATE CIVIL CONSTRUCTION PERMIT PRCCP20231423.
- 12. PROPOSED BOLLARD MOUNTED ACCESSIBLE PARKING STALL SIGNAGE. REFER TO SEPARATE CIVIL CONSTRUCTION PERMIT PRCCP20231423.
- 13. PROPOSED PARKING STALL WITH 4" WIDE WHITE REFLECTIVE PAINT STRIPE (TYP.). REFER TO SEPARATE CIVIL CONSTRUCTION PERMIT PRCCP20231423.
- 14. PROPOSED BOLLARD (TYP.). REFER TO SEPARATE CIVIL CONSTRUCTION PERMIT PRCCP20231423.
- 15. PROPOSED LOT LIGHT. SEE DETAIL ON-SITE PHOTOMETRIC PLANS FOR MORE DETAILS. COORDINATE ALL CONDUIT RUNS, WIRING REQUIREMENTS, ETC. WITH ELECTRICAL PLANS. REFER TO SEPARATE CIVIL CONSTRUCTION PERMIT PRCCP20231423.
- 16. PROPOSED AIR/WATER UNIT. SEE ARCHITECTURAL PLANS FOR DETAILS.
- 17. PROPOSED BICYCLE STORAGE. REFER TO SEPARATE CIVIL CONSTRUCTION PERMIT PRCCP20231423.
- 18. PROPOSED SEATING BENCH. SEE ARCHITECTURAL PLANS FOR DETAILS.
- 19. PROPOSED LANDSCAPING. SEE LANDSCAPE PLANS.
- 20. PROPOSED CONCRETE TANK FUEL SLAB. SEE FUEL PLANS FOR DESIGN.
- 21. PROPOSED UNDER CANOPY CONCRETE SLAB. SEE ARCHITECTURAL PLANS FOR DETAILS.
- 22. PROPOSED FUEL DISPENSERS WITH HOOP BOLLARDS (TYP.). SEE FUEL PLANS FOR DETAILS.
- 23. PAVEMENT MARKINGS 4" WIDE WHITE PAINTED STRIPES @ 2' O.C/45" ANGLE. REFER TO SEPARATE CIVIL CONSTRUCTION PERMIT PRCCP20231423.
- 24. PROPOSED VACUUM UNIT. SEE ARCHITECTURAL PLANS FOR DETAILS.
- 25. PROPOSED FUTURE VAN ACCESSIBLE AND STANDARD EV CHARGING STATION. FREEWIRE EV CHARGING STATION TO BE INSTALLED, REFER TO SEPARATE CIVIL CONSTRUCTION PERMIT PRCCP20231423.
- 26. PROPOSED TRASH RECEPTACLE (TYP).
- 27. PROPOSED ACCESSIBLE PATH. REFER TO ACCESSIBLE PATH NOTE THIS SHFFT.
- 28. PROPOSED BLOCK RETAINING WALL. REFER TO STRUCTURAL ENGINEERING PLANS FOR DETAILS. REFER TO RETAINING WALL BUILDING PERMIT PRRWF20231581.
- 29. PROPOSED ON-SITE MONUMENT SIGN. REFER TO SEPARATE SIGNAGE PLANS.
- 30. PROPOSED SITE FENCE. REFER TO ARCHITECTURAL PLANS FOR MORE DETAILS.
- 31. PROPOSED DIRECTIONAL ARROWS. REFER TO SEPARATE CIVIL CONSTRUCTION PERMIT PRCCP20231423.
- 32. PROPOSED BUS STOP BENCH PER PIERCE TRANSIT STANDARD BENCH. REFER TO SEPARATE CIVIL CONSTRUCTION PERMIT PRCCP20231423. CONTRACTOR TO GIVE PIERCE TRANSIT TWO (2) WEEKS NOTICE PRIOR TO CONSTRUCTION TO ALLOW PIERCE TRANSIT TO REMOVE THE BUS STOP SIGN AND BENCH. UPON COMPLETION OF CONSTRUCTION CONTRACTOR TO COORDINATE REINSTALLATION OF BUS STOP WITH PIERCE TRANSIT.
- 33. EXISTING FIRE HYDRANT TO REMAIN.
- 34. EXISTING ASPHALT TO REMAIN.
- 35. EXISTING DIRECTIONAL HOSPITAL ROAD SIGN TO BE RE-SET. FINAL LOCATION TO BE APPROVED WITH ROW INSPECTOR. THE PERMIT HOLDER SHALL NOTIFY MULTICARE GOOD SAMARITAN HOSPITAL BY CONTACTING AARON PICHE, MANAGER OF ENGINEERING SERVICES, AT AARON.PICHE@MULTICARE.ORG AND HEIDI ROCK AT HEIDI.ROCK@MULTICARE.ORG WITH THE PROPOSED IMPACTS AND SIGN DISPLACEMENT DURATION AT LEAST 48 HOURS IN ADVANCE OF JOB START. NO EMERGENCY SERVICE VEHICLE TRAVEL ROUTES SHALL BE BLOCKED OR REROUTED.
- 36. EXISTING CURB TO REMAIN.
- 37. RESTORE GRAVEL SURFACE.
- 38. PROPOSED TRANSFORMER.
- 39. PROPOSED MOUNTABLE CURB ISLAND. REFER TO SEPARATE CIVIL CONSTRUCTION PERMIT PRCCP20231423.

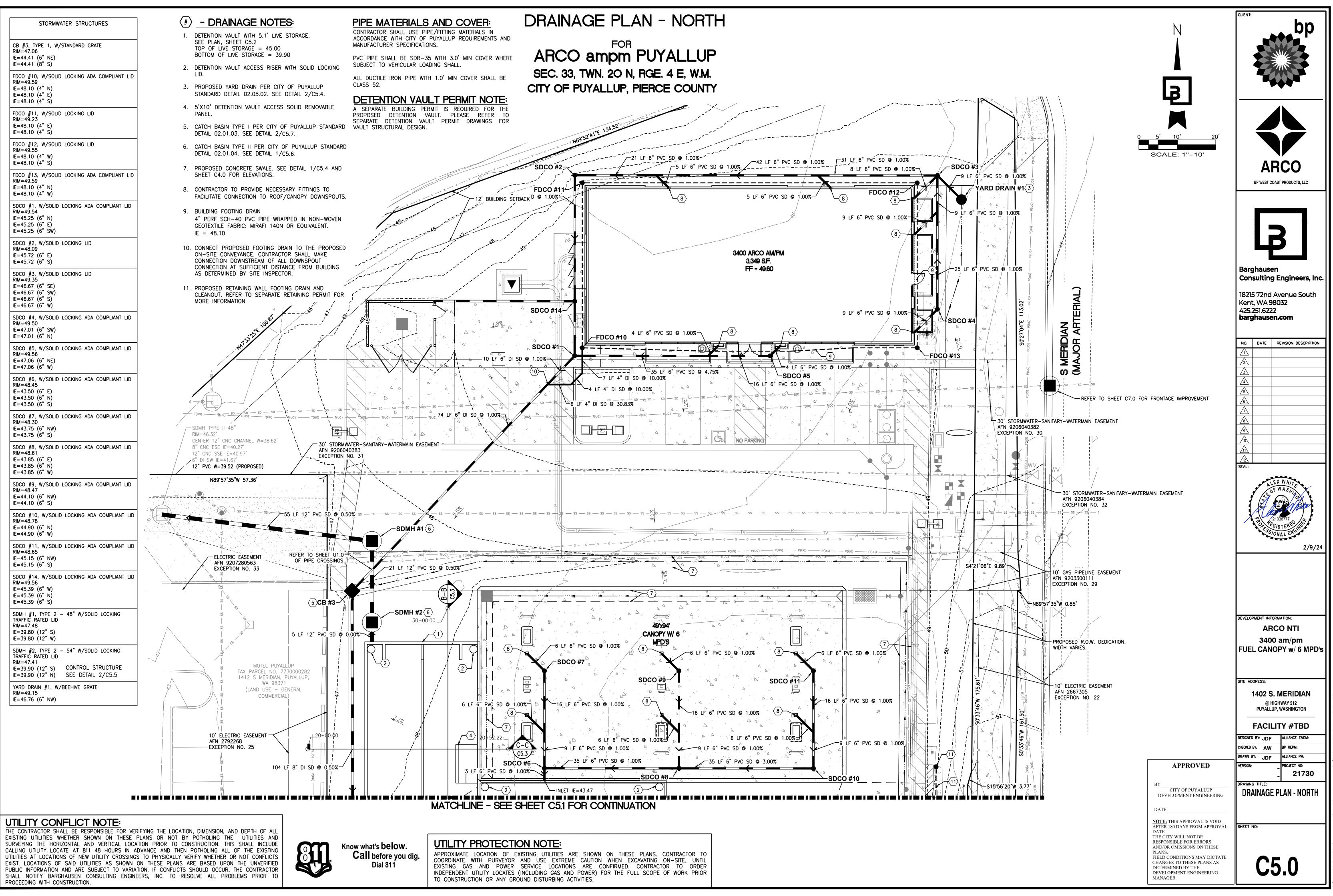
UTILITY CONFLICT NOTE:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALI EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POTHOLING THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE AT 811 48 HOURS IN ADVANCE AND THEN POTHOLING ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. LOCATIONS OF SAID UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON THE UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL NOTIFY BARGHAUSEN CONSULTING ENGINEERS, INC. TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.

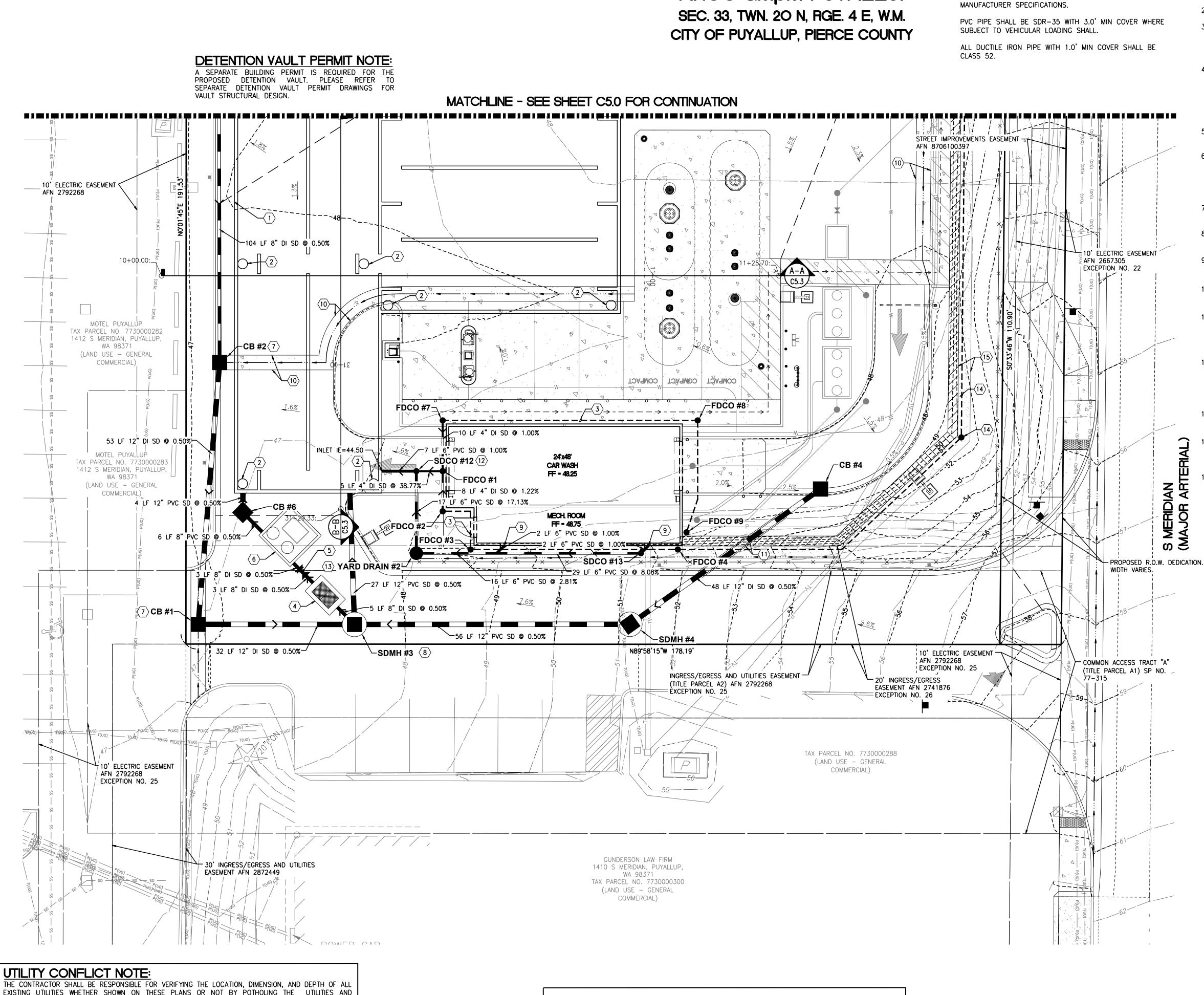
- 40. PROPOSED 12"X18" "NO PARKING FIRE LANE" SIGN (TYP. OF 8).
- 42. PROPOSED "RIGHT TURN ONLY" SIGN.
- 43. PROPOSED CONCRETE SWALE. REFER TO SEPARATE CIVIL CONSTRUCTION
- 44. PROPOSED FIRE HYDRANT. REFER TO SEPARATE CIVIL CONSTRUCTION PERMIT PRCCP20231423.
- 45. PROPOSED STORMWATER DETENTION VAULT AND OIL/WATER SEPARATOR. REFER TO SEPARATE CIVIL CONSTRUCTION PERMIT PRCCP20231423.
- CIVIL CONSTRUCTION PERMIT PRCCP20231423.
- TO SEPARATE CIVIL CONSTRUCTION PERMIT PRCCP20231423.
- CONSTRUCTION PERMIT PRCCP20231423.
- CONSTRUCTION PERMIT PRCCP20231423.
- 50. PROPOSED SU-30 SINGLE UNIT TRUCK PATH. REFER TO CROSS SECTION OF VEHICLE ON THIS SHEET.







LITY PROTECTION NOTE:
OXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN ON THESE PLANS. CONTRACTOR TO
DINATE WITH PURVEYOR AND USE EXTREME CAUTION WHEN EXCAVATING ON-SITE, UNTIL
ING GAS AND POWER SERVICE LOCATIONS ARE CONFIRMED. CONTRACTOR TO ORDER
PENDENT UTILITY LOCATES (INCLUDING GAS AND POWER) FOR THE FULL SCOPE OF WORK PRIOR
ONSTRUCTION OR ANY GROUND DISTURBING ACTIVITIES



EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POTHOLING THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE AT 811 48 HOURS IN ADVANCE AND THEN POTHOLING ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. LOCATIONS OF SAID UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON THE UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL NOTIFY BARGHAUSEN CONSULTING ENGINEERS, INC. TO RESOLVE ALL PROBLEMS PRIOR T PROCEEDING WITH CONSTRUCTION.

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



DRAINAGE PLAN - SOUTH

ARCO ampm PUYALLUP

PIPE MATERIALS AND COVER:

CONTRACTOR SHALL USE PIPE/FITTING MATERIALS IN ACCORDANCE WITH CITY OF PUYALLUP REQUIREMENTS AND

UTILITY PROTECTION NOTE:

APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN ON THESE PLANS. CONTRACTOR TO COORDINATE WITH PURVEYOR AND USE EXTREME CAUTION WHEN EXCAVATING ON-SITE, UNTIL EXISTING GAS AND POWER SERVICE LOCATIONS ARE CONFIRMED. CONTRACTOR TO ORDER INDEPENDENT UTILITY LOCATES (INCLUDING GAS AND POWER) FOR THE FULL SCOPE OF WORK PRIOR TO CONSTRUCTION OR ANY GROUND DISTURBING ACTIVITIES.

$\langle \# \rangle$ - DRAINAGE NOTES:

- 1. DETENTION VAULT WITH 5.1' LIVE STORAGE. SEE PLAN, SHEET C5.2 TOP OF LIVE STORAGE = 45.00BOTTOM OF LIVE STORAGE = 39.90
- 2. DETENTION VAULT ACCESS RISER WITH SOLID LOCKING LID. 3. BUILDING FOOTING DRAIN
- 4" PERF SCH-40 PVC PIPE WRAPPED IN NON-WOVEN GEOTEXTILE FABRIC: MIRAFI 140N OR EQUIVALENT. IE = 46.75.
- 4. PROPOSED OIL/WATER SEPARATOR (OLDCASTLE PRECAST 577-CPS OR APPROVED EQUAL) SEE DETAIL 1/C5.7 RIM: 47.53 IE: 44.48 (IN 8" SE) IE: 45.00 (OUT 8" NW)
- 5. 8" EMERGENCY SHUT OFF VALVE W/ RISER & VALVE BOX. VALVE SHALL BE INSTALLED IN TRAFFIC RATED BOX.
- 6. CONTECH MODULAR WETLAND: MWS-L-8-8-V SEE DETAIL 2/C5.6 RIM: 47.57 IE: 44.97 (IN 8" SE) IE: 43.20 (OUT 8" NW)
- 7. CATCH BASIN TYPE I PER CITY OF PUYALLUP STANDARD DETAIL 02.01.03. SEE DETAIL 2/C5.7.
- 8. CATCH BASIN TYPE II PER CITY OF PUYALLUP STANDARD DETAIL 02.01.04. SEE DETAIL 1/C5.6.
- 9. CONTRACTOR TO PROVIDE NECESSARY FITTINGS TO FACILITATE CONNECTION TO ROOF/CANOPY DOWNSPOUTS.
- 10. PROPOSED CONCRETE SWALE. SEE DETAIL 1/C5.4 AND SHEET C4.1 FOR ELEVATIONS.
- 11. PROPOSED PIPE CASING, SEE WALL DETAIL 2/C4.2. CONTRACTOR TO ENSURE 0.5' SEPARATION BETWEEN TOP OF PIPE AND BOTTOM OF WALL FOOTING FOR 10' ON EITHER SIDE OF INTERSECTION.
- 12. CONNECT PROPOSED FOOTING DRAIN TO THE PROPOSED ON-SITE CONVEYANCE. CONTRACTOR SHALL MAKE CONNECTION DOWNSTREAM OF ALL DOWNSPOUT CONNECTION AT SUFFICIENT DISTANCE FROM BUILDING AS DETERMINED BY SITE INSPECTOR.
- 13. PROPOSED YARD DRAIN PER CITY OF PUYALLUP STANDARD DETAIL 02.05.02. SEE DETAIL 2/C5.4.
- 14. PROPOSED RETAINING WALL FOOTING DRAIN AND CLEANOUT. REFER TO SEPARATE RETAINING PERMIT FOR MORE INFORMATION.
- 15. FREE-DRAINING WALL BACKFILL PER THE STRUCTURAL PLANS. REFER TO RETAINING WALL PERMIT FOR MORE INFORMATION.

STORMWATER STRUCTURES
CB #1, TYPE 1, W/STANDARD GRATI RIM=46.83 IE=43.62 (12" N) IE=43.62 (12" E)
CB #2, TYPE 1, W/STANDARD GRATH RIM=47.38 IE=43.89 (8" N) IE=43.89 (12" S)
CB #4, TYPE 1, W/STANDARD GRATH RIM=47.62 IE=43.64 (12" SW)
CB #6, TYPE 1, W/SOLID LOCKING RIM=47.58 IE=43.17 (8" SE) IE=43.17 (12" N)
FDCO #1, W/SOLID LOCKING LID RIM=48.24 IE=46.65 (4" S) IE=46.65 (4" N) IE=46.65 (4" W)
FDCO #2, W/SOLID LOCKING LID RIM=48.53 IE=46.75 (4" E) IE=46.75 (4" N)
FDCO #3, W/SOLID LOCKING LID RIM=49.24 IE=46.75 (4" E) IE=46.75 (4" N)
FDCO #4, W/SOLID LOCKING LID RIM=52.39 IE=46.75 (4" E) IE=46.75 (4" W)
FDCO #7, W/SOLID LOCKING LID RIM=48.24 IE=46.75 (4" E) IE=46.75 (4" S)

STORMWATER STRUCTURES
FDCO #8, W/SOLID LOCKING LID RIM=48.24 IE=46.75 (4" S) IE=46.75 (4" W)
FDCO #9, W/SOLID LOCKING LID RIM=48.75 IE=46.75 (4"N)
SDCO #12, W/SOLID LOCKING TRAFFIC RATED LID RIM=48.15 IE=44.57 (6" S) IE=44.57 (4" E) IE=44.57 (6" W)
SDCO #13, W/SOLID LOCKING LID RIM=51.76 IE=50.26 (6" NE) IE=50.26 (6" W)
SDMH #3, TYPE 2 - 54" W/SOLID LOCKING TRAFFIC RATED LID RIM=47.63 IE=43.46 (12" W) IE=43.12 (12" E) IE=44.50 (8" NW) IE=44.00 (12" N)
SDMH #4, TYPE 2 - 48" W/SOLID LOCKING TRAFFIC RATED LID RIM=51.19 FLOW SPLITTER AND IE=43.40 (12" NE) SPILL CONTROL DEVICE. IE=43.40 (12" W) SEE DETAIL 3/C5.4
YARD DRAIN #2, W/BEEHIVE GRATE RIM=48.93 IE=47.43 (6" E) IE=47.43 (6" N)

B

SCALE: 1"=10'

ARCO **BP WEST COAST PRODUCTS, LLC** Barghausen Consulting Engineers, Inc. 18215 72nd Avenue South Kent, WA 98032 425.251.6222 barghausen.com NO. DATE REVISION DESCRIPTION 2/9/2 DEVELOPMENT INFORMATION: ARCO NTI 3400 am/pm FUEL CANOPY w/ 6 MPD's SITE ADDRESS:

> 1402 S. MERIDIAN @ HIGHWAY 512 PUYALLUP, WASHINGTON

FACILITY #TBD SIGNED BY: JDF CHECKED BY: AW P REPM: LIANCE PM: DRAWN BY: JDF ROJECT NO: VERSION 21730 RAWING TITLE **DRAINAGE PLAN - SOUTH**

ΒY CITY OF PUYALLUP DEVELOPMENT ENGINEERING

DATE

MANAGER.

NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.

APPROVED

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

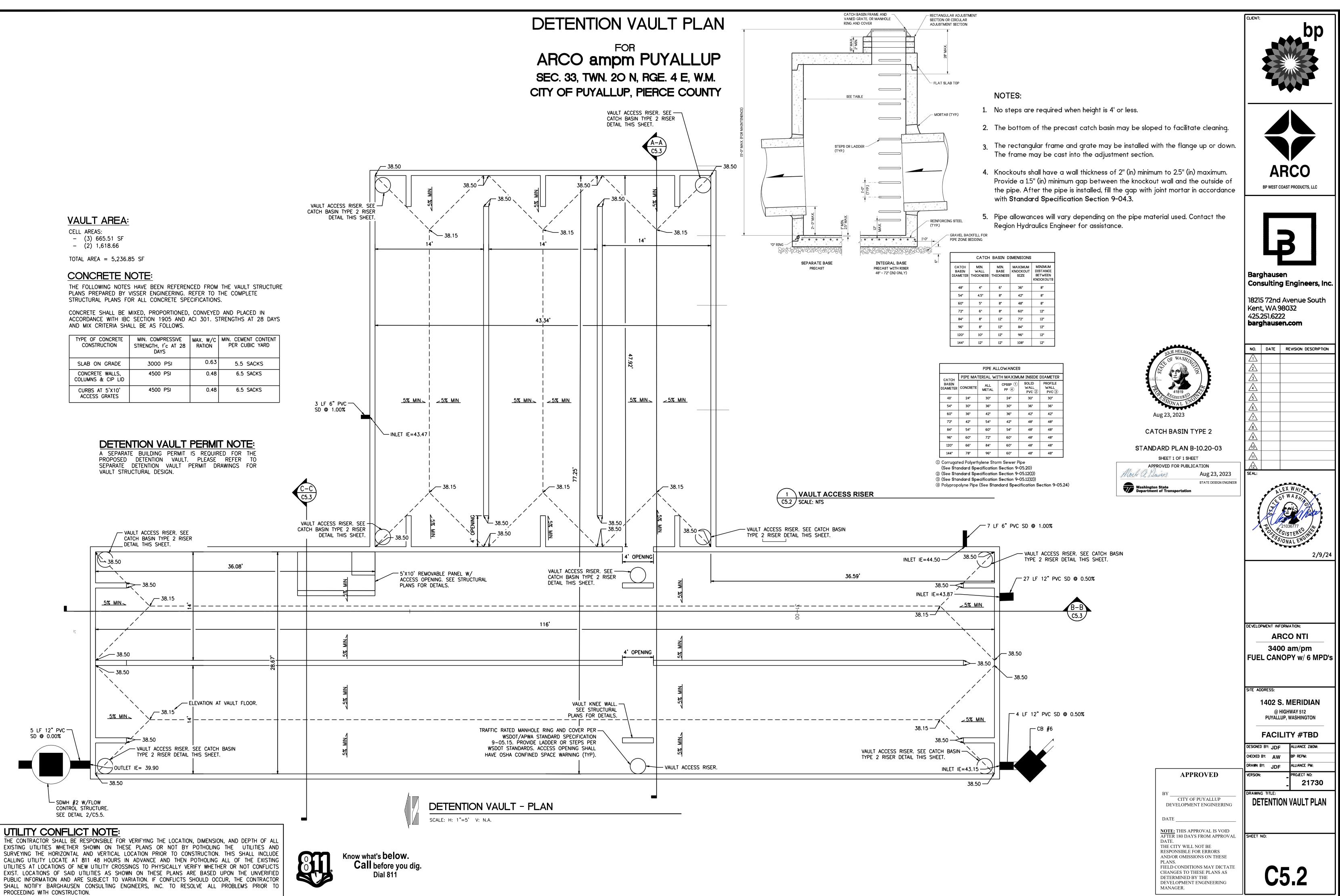
DEVELOPMENT ENGINEERING

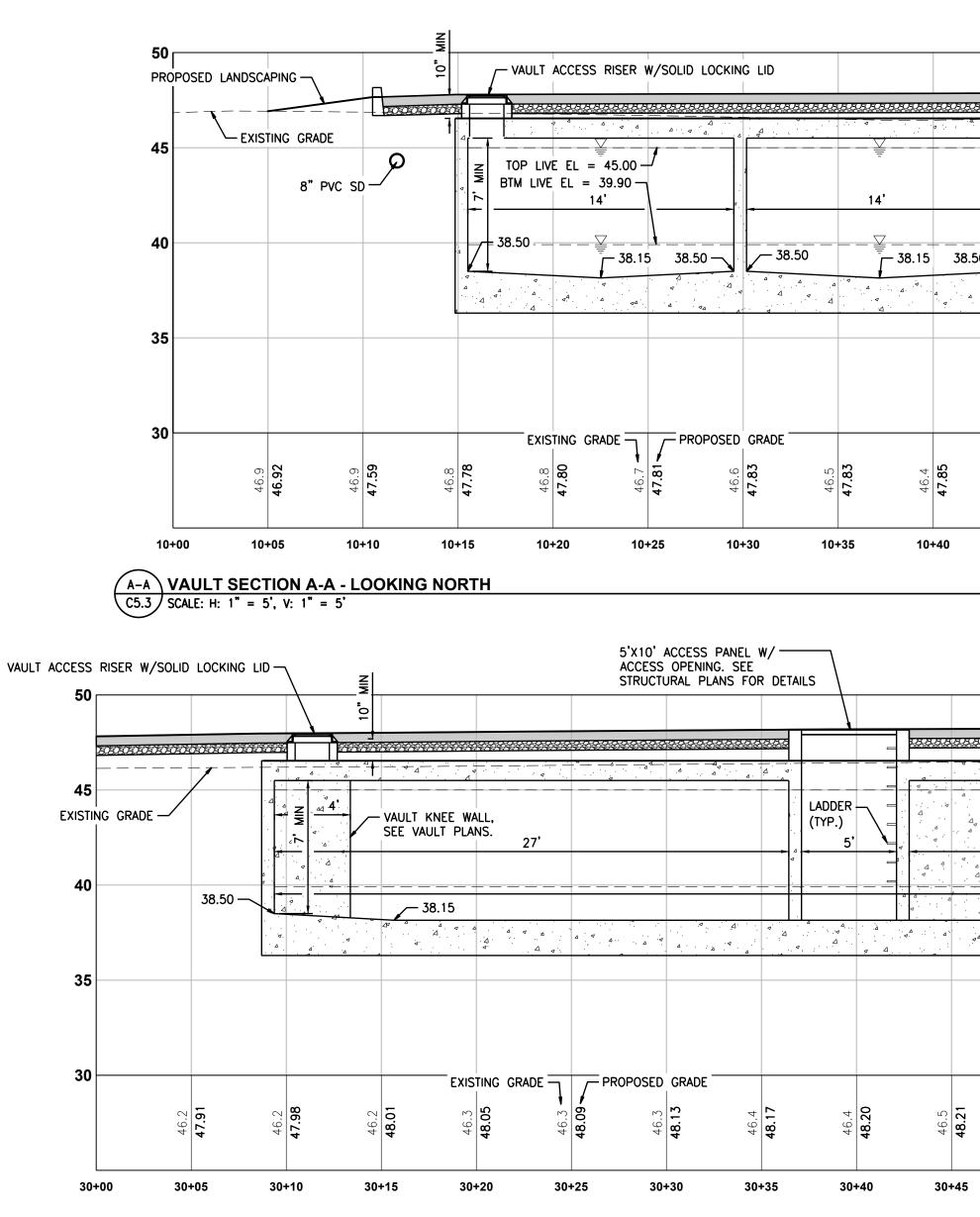
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SHEET NO

TYPE OF CONCRETE CONSTRUCTION	MIN. COMPRESSIVE STRENGTH, f'c AT 28 DAYS	MAX. W/C RATION	MIN. CEMENT CONTENT PER CUBIC YARD
SLAB ON GRADE	3000 PSI	0.63	5.5 SACKS
CONCRETE WALLS, COLUMNS & CIP LID	4500 PSI	0.48	6.5 SACKS
CURBS AT 5'X10' ACCESS GRATES	4500 PSI	0.48	6.5 SACKS







B-B VAULT SECTION B-B - LOOKING EAST C5.3 SCALE: H: 1" = 5', V: 1" = 5'

UTILITY CONFLICT NOTE:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POTHOLING THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE AT 811 48 HOURS IN ADVANCE AND THEN POTHOLING ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. LOCATIONS OF SAID UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON THE UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL NOTIFY BARGHAUSEN CONSULTING ENGINEERS, INC. TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.

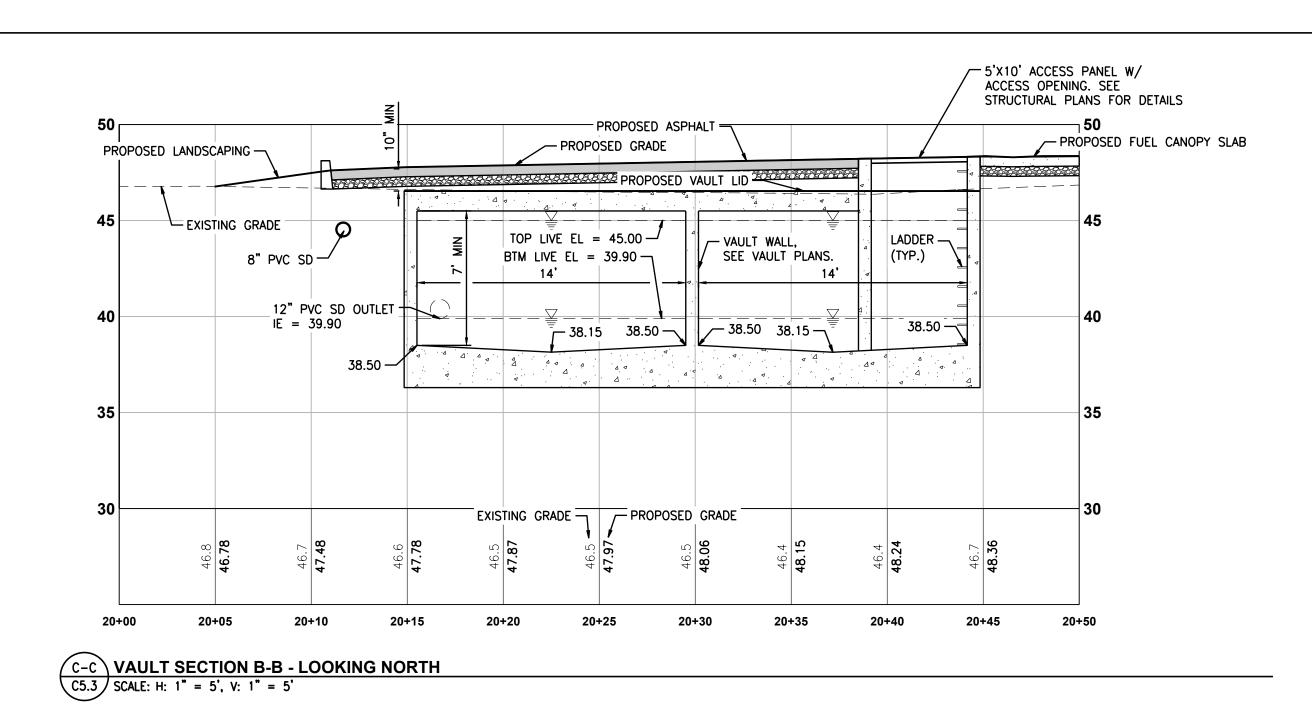
Know what's **below**. Call before you dig. Dial 811

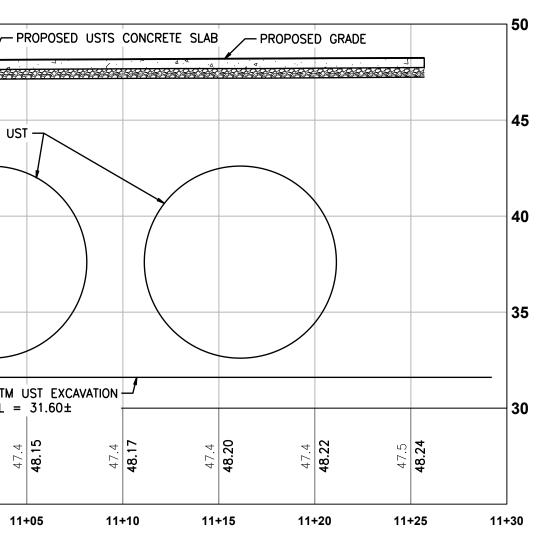
DETENTION VAULT CROSS SECTIONS

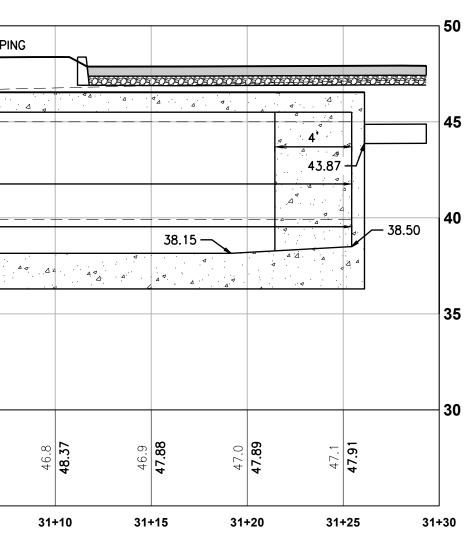
ARCO ampm PUYALLUP SEC. 33, TWN. 20 N, RGE. 4 E, W.M. CITY OF PUYALLUP, PIERCE COUNTY

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D . 4	- VAULT WALI SEE VAULT	-, PLANS.		47.92'					Ŧ		PROPOSED
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46.6	47.87	47.89 46.8	47.92 46.9	47.94 47.0	47.97	47.99	48.02	48.04	48.06 47.3 48.08	47.3 48.09	4 7.3 48.12
10	+45 10)+50 10	+55 10-	+60 10	+65 10	+70 10	+75 10	+80 10)+85 10+9	0 10+95 1	1+00

48.21 46.5 48.22	46.5	48.19 46.5	48.13 46.5	48.06 46.5	48.00 46.5	47.93 46.5	47.86 46.4	47.79 46.4 46.4	46.4	48.20 46.5	48.19 46.6	48.31
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		2	1) VAULT WALL —		VAULT SEE V	KNEE WALL, AULT PLANS.			44'	
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) ASPHALT	PR(POSED GRADE			- VAULT ACCESS	RISER W/SOLID L	OCKING LID		- PROPOSED L/	NDSCAPING



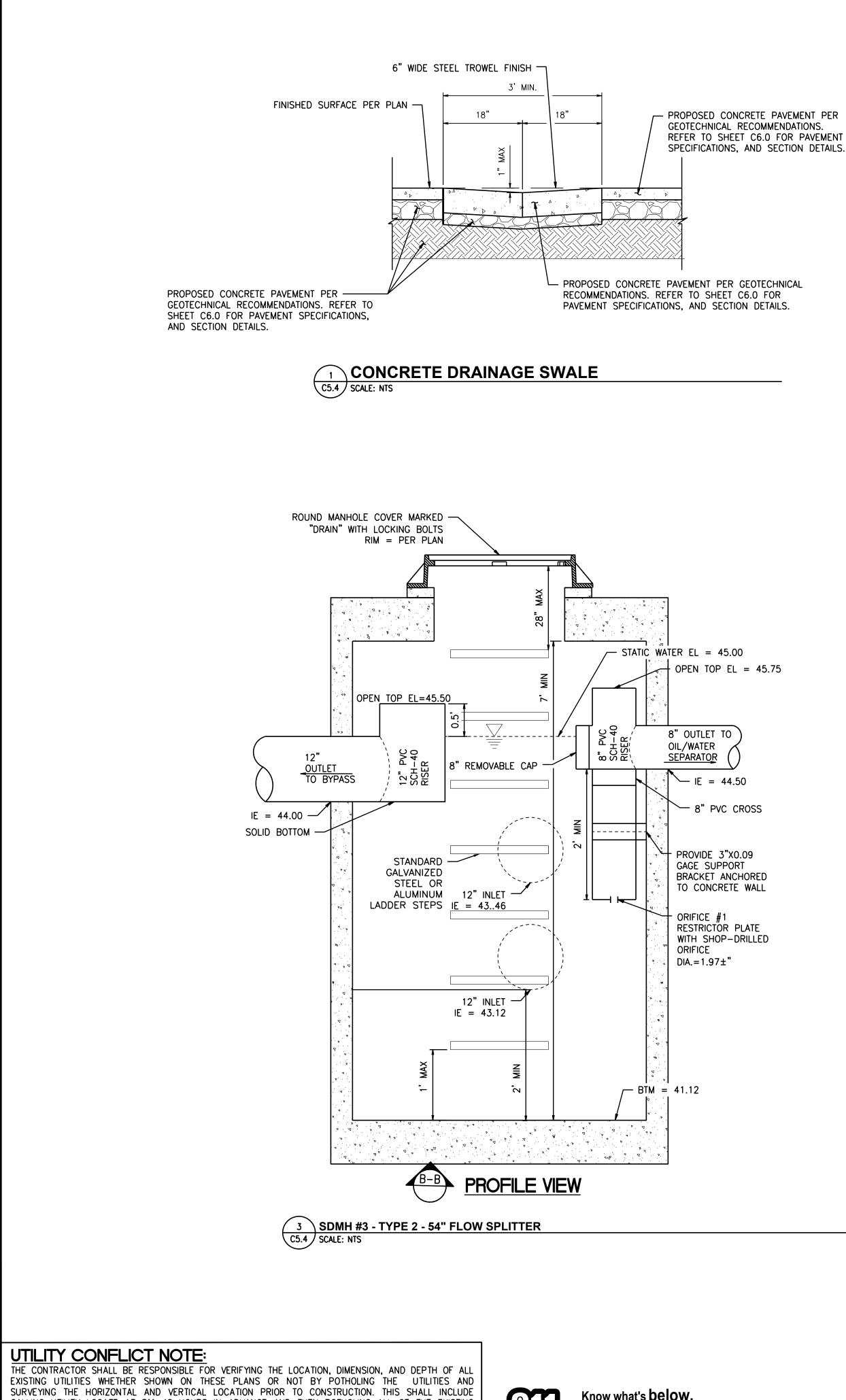




DETENTION VAULT PERMIT NOTE:

A SEPARATE BUILDING PERMIT IS REQUIRED FOR THE PROPOSED DETENTION VAULT. PLEASE REFER TO SEPARATE DETENTION VAULT PERMIT DRAWINGS FOR VAULT STRUCTURAL DESIGN.

	CLIENT:
	ARCO BP WEST COAST PRODUCTS, LLC
	Barghausen Consulting Engineers, Inc. 18215 72nd Avenue South Kent, WA 98032 425.251.6222 barghausen.com
	NO. DATE REVISION DESCRIPTION
	$\begin{array}{c c} \hline \\ \hline $
	$ \begin{array}{c c} \hline 5 \\ \hline 6 \\ \hline 7 \\ \hline 8 \\ \hline 9 \\ \hline \end{array} $
	SEAL: A LEX W H// T V OF W A S H// C 21036777 C S S/ONAL ENGINE 2/9/24
	DEVELOPMENT INFORMATION:
	ARCO NTI 3400 am/pm FUEL CANOPY w/ 6 MPD's
	SITE ADDRESS: 1402 S. MERIDIAN @ HIGHWAY 512 PUYALLUP, WASHINGTON
	FACILITY #TBD DESIGNED BY: JDF ALLIANCE Z&DM:
APPROVED	CHECKED BY: AW BP REPM: DRAWN BY: JDF ALLIANCE PM: VERSION: PROJECT NO:
BY	DRAWING TITLE:
CITY OF PUYALLUP DEVELOPMENT ENGINEERING DATE	DETENTION VAULT CROSS SECTIONS
NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE. THE CITY WILL NOT BE	SHEET NO:
RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE	
CHANGES TO THESE PLANS AS DETERMINED BY THE DEVELOPMENT ENGINEERING MANAGER.	C5.3

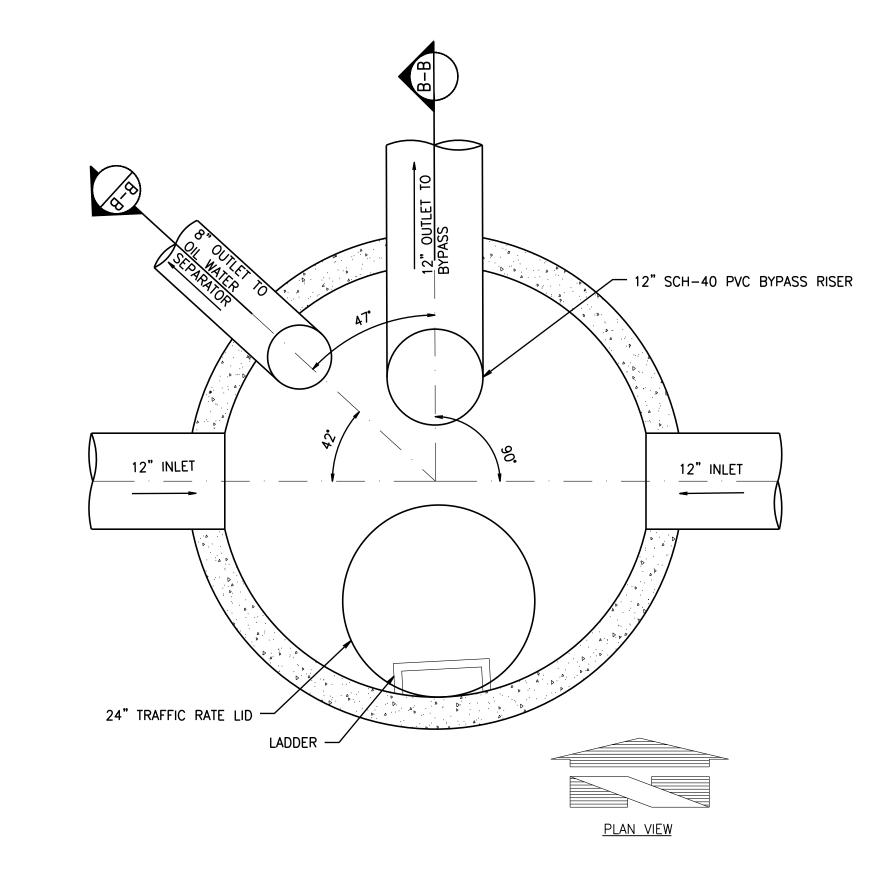


CALLING UTILITY LOCATE AT 811 48 HOURS IN ADVANCE AND THEN POTHOLING ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. LOCATIONS OF SAID UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON THE UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL NOTIFY BARGHAUSEN CONSULTING ENGINEERS, INC. TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.

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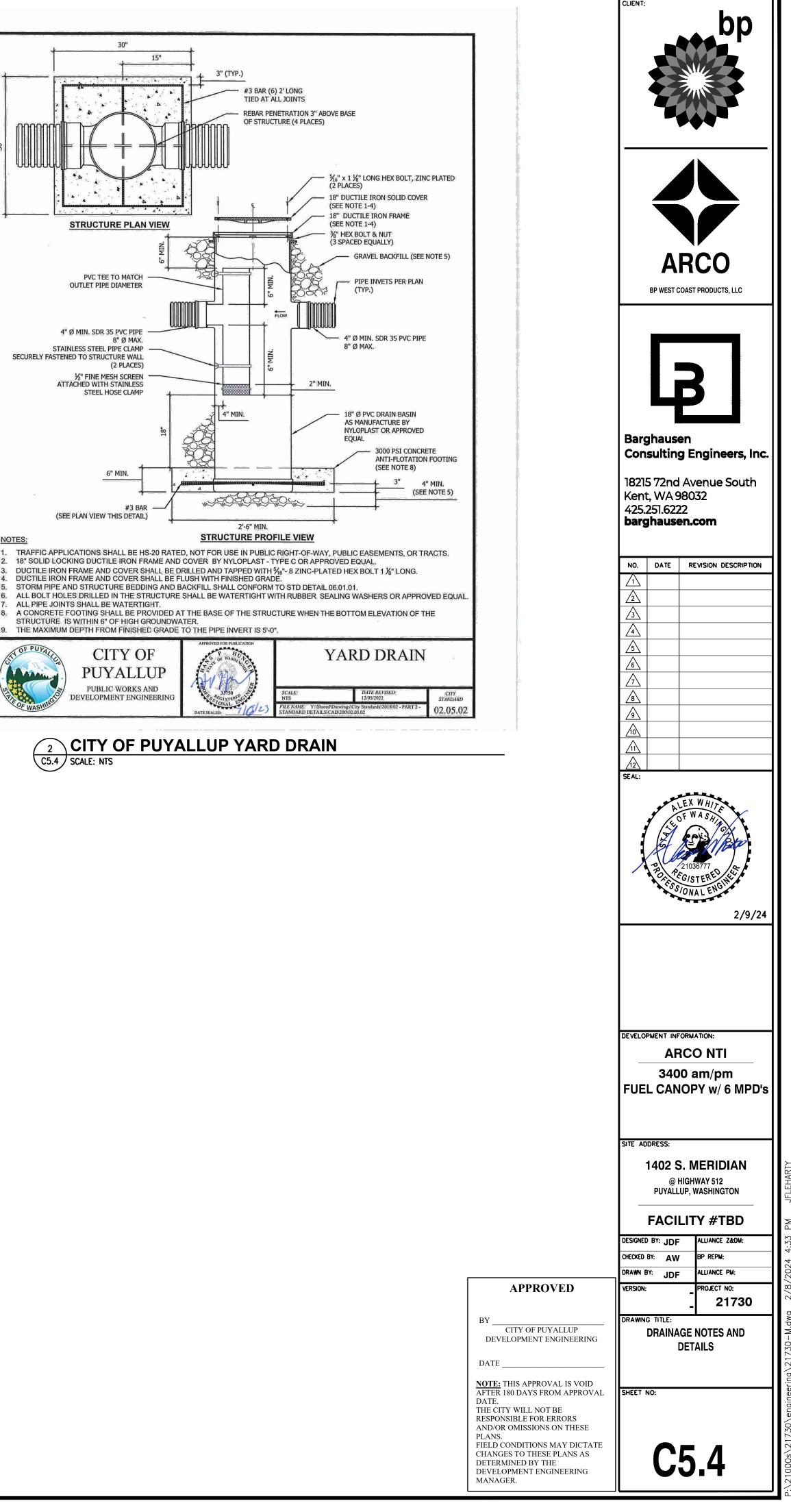
DRAINAGE NOTES AND DETAILS

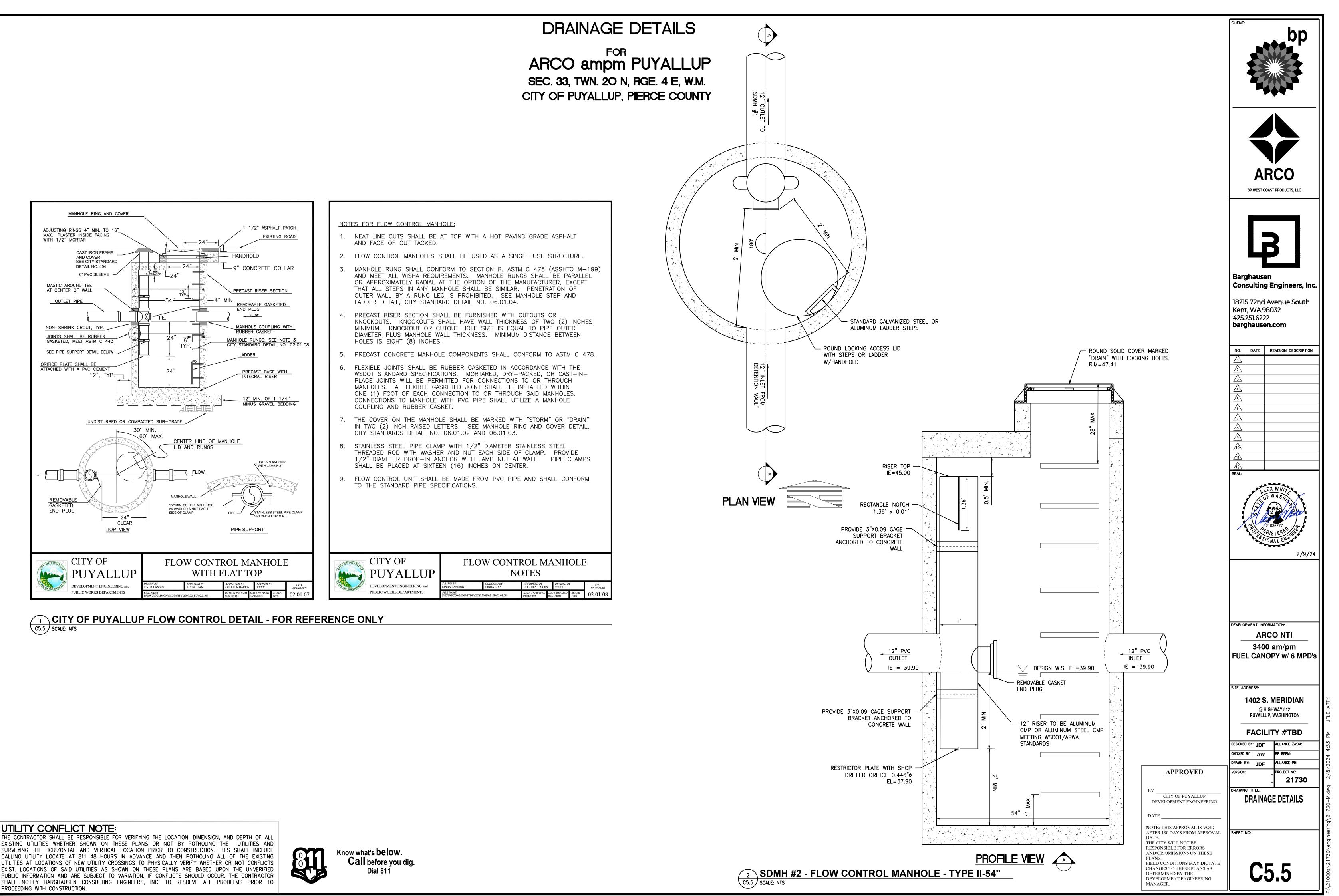
ARCO ampm PUYALLUP SEC. 33, TWN. 20 N, RGE. 4 E, W.M. CITY OF PUYALLUP, PIERCE COUNTY



SECURELY FASTENED TO STRUCTURE WALL NOTES: . ALL PIPE JOINTS SHALL BE WATERTIGHT.

C5.4 SCALE: NTS

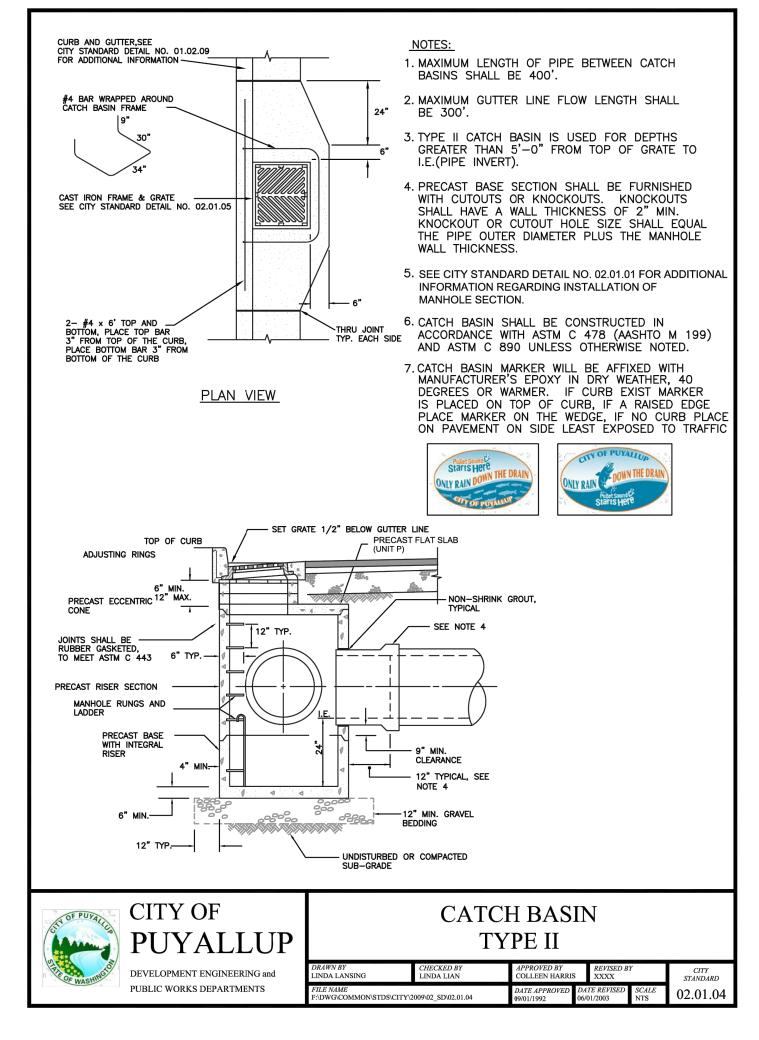




UTILITY CONFLICT NOTE:

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DRAINAGE DETAILS

FOR ARCO ampm PUYALLUP SEC. 33, TWN. 20 N, RGE. 4 E, W.M. CITY OF PUYALLUP, PIERCE COUNTY

