

**ARCHITECT**

McGRANAHAN ARCHITECTS  
2111 PACIFIC AVENUE, SUITE 100  
TACOMA, WASHINGTON 98402  
PH: 253.383.3084  
CONTACT: ANDY HARTUNG, AIA  
EMAIL: andy.hartung@mcgranahan.com

**CIVIL ENGINEER:**

AHBL, INC.  
2215 NORTH 30TH STREET, SUITE 300  
TACOMA, WASHINGTON 98403  
PH: 253.383.2422  
FAX: 253.383.2572  
CONTACT: WILLIAM FIERST, P.E.  
PRINCIPAL  
EMAIL: wfierst@ahbl.com

**SURVEYOR**

AHBL, INC.  
2215 NORTH 30TH STREET, SUITE 300  
TACOMA, WASHINGTON 98403  
PH: 253.383.2422  
FAX: 253.383.2572  
CONTACT: DAVID FOLLANSBEE, P.L.S.  
ASSOCIATE PRINCIPAL  
EMAIL: dfollansbee@ahbl.com

**LANDSCAPE**

AHBL, INC.  
2215 NORTH 30TH STREET, SUITE 300  
TACOMA, WASHINGTON 98403  
PH: 253.383.2422  
FAX: 253.383.2572  
CONTACT: SARAH SINGLETON SCHROEDEL, PLA  
PROJECT MANAGER  
EMAIL: ssingleton@ahbl.com

**CLIENT**

PIERCE COLLEGE PUYALLUP  
1601 39TH AVENUE SE  
PUYALLUP, WA 98374  
PH: (206) 255-9113  
CONTACT: CHARLENE WILSON

STATE OF WASHINGTON DEPARTMENT OF  
ENTERPRISE SERVICES  
1500 JEFFERSON STRET  
OLYMPIA, WA 98501  
PH: (253) 208-9207  
CONTACT: DENNIS FLYNN

**FILL SPECIFICATION**

FILL MATERIAL SHALL NOT CONTAIN  
PETROLEUM PRODUCTS, OR  
SUBSTANCES WHICH ARE HAZARDOUS,  
DANGEROUS, TOXIC, OR WHICH  
OTHERWISE VIOLATE ANY STATE,  
FEDERAL, OR LOCAL LAW, ORDINANCE,  
CODE, REGULATION, RULE, ORDER, OR  
STANDARD.

**AUTOCAD FILE**

AN AUTOCAD DRAWING FILE IS  
AVAILABLE TO ASSIST WITH SITE  
LAYOUT. PLEASE NOTE THAT  
ELECTRONIC FILES ARE PROVIDED FOR  
CONTRACTOR'S CONVENIENCE AND  
SHALL NOT REPLACE NOR BE USED TO  
SUBSTITUTE THE CONTRACT  
DOCUMENTS. THE CONTRACTOR IS  
RESPONSIBLE FOR PROJECT LAYOUT  
ACCORDING TO CONTRACT DOCUMENTS  
AND COST FOR ELECTRONIC AUTOCAD  
FILES.  
PHONE: (253) 383-2422  
FAX: (253) 383-2572

**TRENCH NOTE**

IF WORKERS ENTER ANY TRENCH OR  
OTHER EXCAVATION FOUR OR MORE FEET  
IN DEPTH THAT DOES NOT MEET THE OPEN  
PIT REQUIREMENTS OF WSDOT SECTION  
2-09.3(3)B, IT SHALL BE SHORED AND  
CRIBBED. THE CONTRACTOR ALONE SHALL  
BE RESPONSIBLE FOR WORKER SAFETY  
AND AHBL ASSUMES NO RESPONSIBILITY.  
ALL TRENCH SAFETY SYSTEMS SHALL MEET  
THE REQUIREMENTS OF THE WASHINGTON  
INDUSTRIAL SAFETY AND HEALTH ACT,  
CHAPTER 49.17 RCW.

**CITY OF PUYALLUP 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 CENTER TO BE ATTENDED BY ALL MAJOR CONTRACTORS, REPRESENTATIVES OF INVOLVED UTILITIES, AND THE CITY OF PUYALLUP. CONTACT ENGINEERING SERVICES AT (253-864-4165) TO SCHEDULE THE MEETING. THE CONTRACTOR IS RESPONSIBLE TO HAVE THEIR OWN SET OF 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 (L-800-424-5555) AT LEAST 48 HOURS IN ADVANCE. THE OWNER AND HIS/HER ENGINEER SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS.
- 7. ANY STRUCTURE AND/OR OBSTRUCTION WHICH REQUIRE 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, 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 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.

**SITE INFORMATION**

PARCEL  
0419034018

NEW IMPERVIOUS AREA = 1.82 ACRES

**UTILITIES**

WATER CITY OF PUYALLUP - PHONE: 253-841-5494  
SANITARY SEWER CITY OF PUYALLUP - PHONE: 253-841-5481  
STORM SEWER CITY OF PUYALLUP - PHONE: 253-841-5481  
ELECTRICITY/GAS PUGET SOUND ENERGY - PHONE: 253-841-6263  
TELEPHONE CENTURY LINK - PHONE: 1-800-244-1111

**CONSTRUCTION SEQUENCE**

- 1. ARRANGE PRE-CONSTRUCTION CONFERENCE WITH THE CITY OF PUYALLUP, ENGINEER, AND OWNER.
- 2. STAKE/FLAG CONSTRUCTION LIMITS. CLEAR WITHIN FINAL CONSTRUCTION LIMITS.
- 3. MARK PAVEMENT DEMOLITION LIMITS. LIMIT SHALL BE INSPECTED BY THE OWNER AND ENGINEER PRIOR TO DEMOLITION.
- 4. PROVIDE INLET SEDIMENT PROTECTION FOR ALL EXISTING STRUCTURES WITHIN CLEARING LIMITS AND FIRST CATCH BASINS IMMEDIATELY DOWNSTREAM OF WORK LIMITS PER DETAIL. (TYP.)
- 5. PROVIDE T.E.S.C. FEATURES FOR EROSION CONTROL.
- 6. PROVIDE AND MAINTAIN EROSION CONTROL MEASURES AS REQUIRED.
- 7. PROVIDE NEW PAVING BASE.
- 8. RELOCATE EROSION CONTROL MEASURES OR INSTALL NEW MEASURES SO THAT AS SITE CONDITIONS CHANGE, EROSION AND SEDIMENT CONTROL IS ALWAYS IN PLACE AND IN ACCORDANCE WITH THE CITY REQUIREMENTS.
- 9. FINAL GRADE SITE. CONSTRUCT FINAL SURFACING TREATMENTS. ENSURE SURFACE WATER IS POSITIVELY DIRECTED TOWARDS EXISTING STORMWATER CONTROL FACILITIES.
- 10. REMOVE THE REMAINING TEMPORARY EROSION CONTROL ITEMS ONCE SITE HAS BEEN STABILIZED AND UPON APPROVAL.
- 11. PROVIDE AS-BUILT DRAWINGS FOR STORMWATER SYSTEM INCLUDING CATCH BASINS, PIPES, AND DETENTION SYSTEM.

**EARTHWORK DATA**

APPROX. PROJECT SITE CUT: 560 CY  
APPROX. PROJECT SITE FILL: 355 CY  
APPROX. PROJECT SITE NET: 205 CY (CUT)

NOTE: THE ABOVE QUANTITIES ARE ESTIMATES ONLY INTENDED TO THE PERMITTING PROCESS AND ARE NOT INTENDED TO BE USED BY THE CONTRACTOR FOR BIDDING PURPOSES. THE CONTRACTOR SHALL MAKE THEIR OWN EARTHWORK DETERMINATION.

**APPROVED**  
BY \_\_\_\_\_  
CITY OF PUYALLUP  
DEVELOPMENT ENGINEERING  
DATE \_\_\_\_\_  
**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.

THESE PLANS ARE RECORD DRAWINGS, AND THE INFORMATION SHOWN ACCURATELY REFLECTS EXISTING FIELD CONDITIONS AS OF THIS DATE: OCTOBER 25, 2023

**UTILITY NOTE**

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE APPROXIMATE ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES THAT HAPPEN DUE TO THE CONTRACTOR'S FAILURE TO LOCATE EXACTLY AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. AHBL ASSUMES NO LIABILITY FOR THE LOCATION OF UNDERGROUND UTILITIES.

**SHEET LIST TABLE**

Sheet Number	Sheet Title
C0.1	COVER SHEET
C0.2	SITE PLAN
C1.3	LOT B TESC AND DEMOLITION PLAN
C1.4	LOT C TESC AND DEMOLITION PLAN
C1.5	TESC NOTES AND DETAILS
C1.6	TESC NOTES AND DETAILS
C1.7	GENERAL NOTES AND DETAILS
C2.3	LOT B GRADING AND STORM DRAINAGE PLAN
C2.4	LOT C GRADING AND STORM DRAINAGE PLAN
C3.2	LOT B PAVING AND HORIZONTAL CONTROL PLAN
C3.3	LOT C PAVING AND HORIZONTAL CONTROL PLAN
C4.1	NOTES AND DETAILS
C4.2	NOTES AND DETAILS
C4.3	NOTES AND DETAILS
C4.4	NOTES AND DETAILS
C4.5	NOTES AND DETAILS
C4.6	NOTES AND DETAILS
L1.2	TREE RETENTION AREA B
L1.3	TREE RETENTION AREA C
L2.2	SOIL PREPARATION PLAN AREA B
L2.3	SOIL PREPARATION PLAN AREA C
L3.2	PLANTING PLAN AREA B
L3.3	PLANTING PLAN AREA C
L4.2	IRRIGATION PLAN AREA B
L4.3	IRRIGATION PLAN AREA C
L4.4	IRRIGATION SCHEDULE AND DETAILS



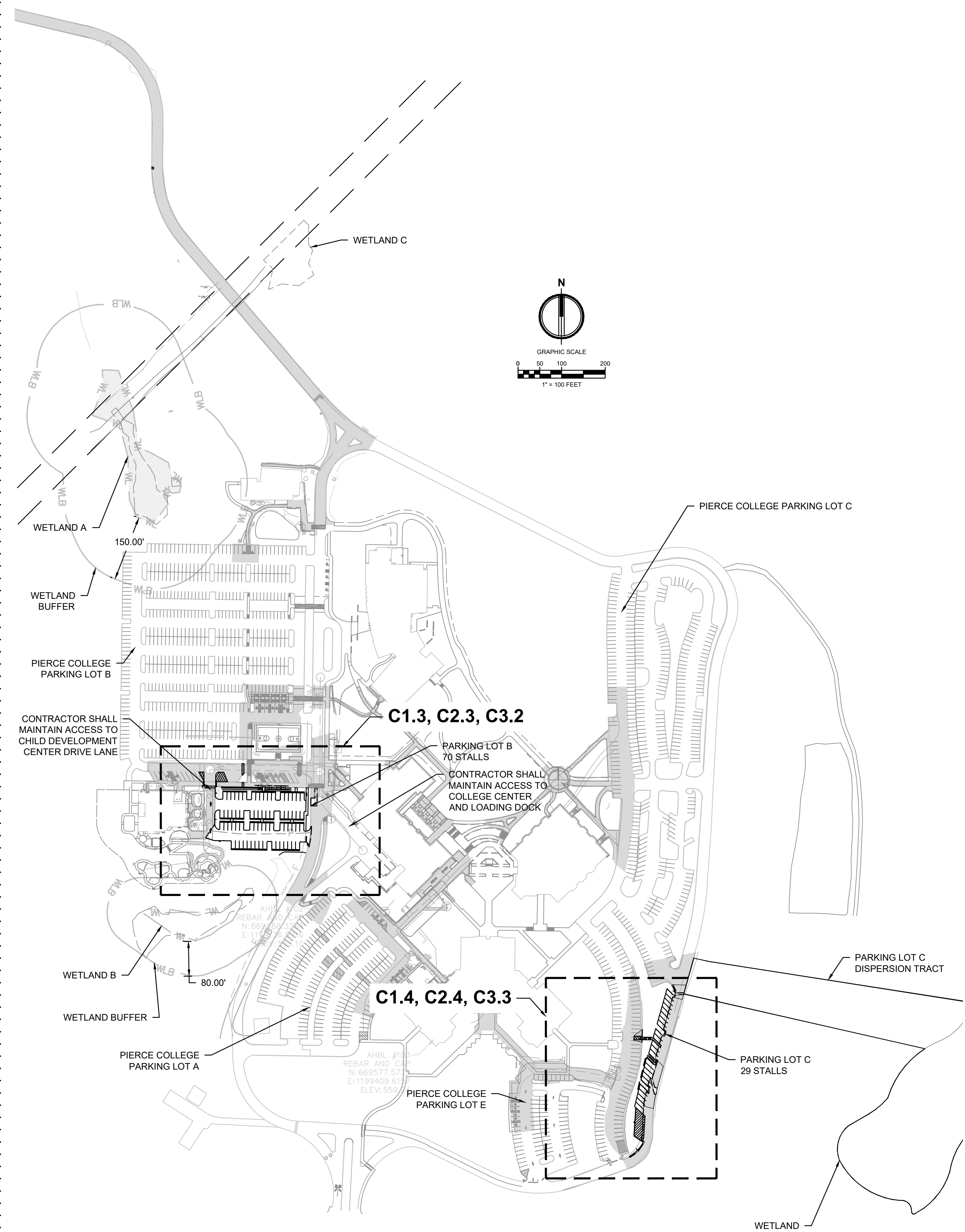
project  
PUYALLUP CAMPUS PARKING  
EXPANSION FOR LOTS B AND C  
client  
PIERCE COLLEGE  
location  
PUYALLUP, WA  
state project number  
2020-546H(2-1)

Project No. 2012.000  
**COVER SHEET**

issued  
BID SET 15 FEB 23  
revision  
1 ADDENDUM #1 15 MAR 23  
2 RECORD DRAWINGS 25 OCT 23  
3 RECORD DRAWINGS 17 JAN 24

drawn  
F Katona  
checked  
W Fierst

sheet  
**C0.1**



**MASTER LEGEND:**

EXISTING	PROPOSED	
△	△	SET NAIL AND WASHER
●	●	SET REBAR AND CAP
○	○	BOLLARD
⊙	⊙	SIGN AS NOTED
⊗	⊗	FLAG POLE
○	●	SANITARY SEWER MANHOLE
○	●	SANITARY SEWER CLEANOUT
□	■	STORM CATCH BASIN
⊙	⊙	STORM MANHOLE
⊙	⊙	ROOF DRAIN
⊙	⊙	GAS METER
⊙	⊙	GAS VALVE
⊙	⊙	POWER TRANSFORMER
⊙	⊙	UTILITY POWER POLE
⊙	⊙	ELECTRICAL VAULT
⊙	⊙	LUMINAIRE
⊙	⊙	TELEPHONE RISER
⊙	⊙	TELEPHONE VAULT
⊙	⊙	FIRE DEPARTMENT CONNECTION
⊙	⊙	FIRE HYDRANT
⊙	⊙	IRRIGATION CONTROL VALVE
⊙	⊙	POST INDICATOR VALVE
⊙	⊙	WATER METER
⊙	⊙	WATER VALVE
⊙	⊙	WATER VAULT
⊙	⊙	CONIFEROUS TREE
⊙	⊙	DECIDUOUS TREE
---	---	STORM LINE
---	---	SANITARY SEWER LINE
---	---	GAS LINE
---	---	ELECTRICAL LINE
---	---	COMMUNICATIONS LINE
---	---	WATER LINE
---	---	IRRIGATION PER RECORD DRAWING
---	---	FENCE
---	---	CONCRETE
---	---	ASPHALT
---	---	BRICK
---	---	CONTOUR MAJOR INTERVAL
---	---	CONTOUR MINOR INTERVAL
---	---	PROPERTY / RIGHT-OF-WAY LINE

Call Before You Dig. 8-1-1 or 1-800-424-5555 Underground Service (USA)



**APPROVED**

BY \_\_\_\_\_  
CITY OF PUYALLUP  
DEVELOPMENT ENGINEERING

DATE \_\_\_\_\_

**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.

architect\_  
MCGRANAHAN ARCHITECTS

civil engineer\_  
AHBL

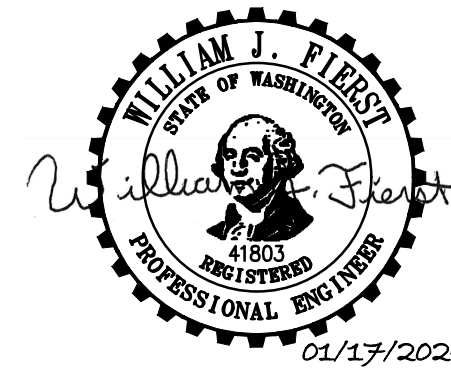
landscape design\_  
AHBL

electrical engineer\_  
HARGIS ENGINEERS

THESE PLANS ARE RECORD DRAWINGS, AND THE INFORMATION SHOWN ACCURATELY REFLECTS EXISTING FIELD CONDITIONS AS OF THIS DATE: OCTOBER 25, 2023

**EXISTING LEGEND:**

- △ SET NAIL AND WASHER
- SET REBAR AND CAP
- BOLLARD
- ⊕ SIGN AS NOTED
- ⊙ FLAG POLE
- SANITARY SEWER MANHOLE
- SANITARY SEWER CLEANOUT
- STORM CATCH BASIN
- ⊙ STORM MANHOLE
- ROOF DRAIN
- ⊙ GAS METER
- ⊙ GAS VALVE
- △ POWER TRANSFORMER
- UTILITY POWER POLE
- ⊙ ELECTRICAL VAULT
- ⊙ LUMINAIRE
- ⊙ TELEPHONE RISER
- ⊙ TELEPHONE VAULT
- ⊙ FIRE DEPARTMENT CONNECTION
- ⊙ FIRE HYDRANT
- ⊙ IRRIGATION CONTROL VALVE
- ⊙ POST INDICATOR VALVE
- ⊙ WATER METER
- ⊙ WATER VALVE
- ⊙ WATER VAULT
- ★ CONIFEROUS TREE
- DECIDUOUS TREE
- - - D - - - STORM LINE
- - - S - - - SANITARY SEWER LINE
- - - G - - - GAS LINE
- - - P - - - ELECTRICAL LINE
- - - T - - - COMMUNICATIONS LINE
- - - W - - - WATER LINE
- - - IR - - - IRRIGATION PER RECORD DRAWING
- x - x - FENCE
- ▨ CONCRETE
- ▨ ASPHALT
- ▨ BRICK
- - - XXX - - - CONTOUR MAJOR INTERVAL
- - - XXX - - - CONTOUR MINOR INTERVAL
- - - - - PROPERTY / RIGHT-OF-WAY LINE



project\_  
PUYALLUP CAMPUS PARKING  
EXPANSION FOR LOTS B AND C

client\_  
PIERCE COLLEGE

location\_  
PUYALLUP, WA

state project number\_  
2020-546H(2-1)

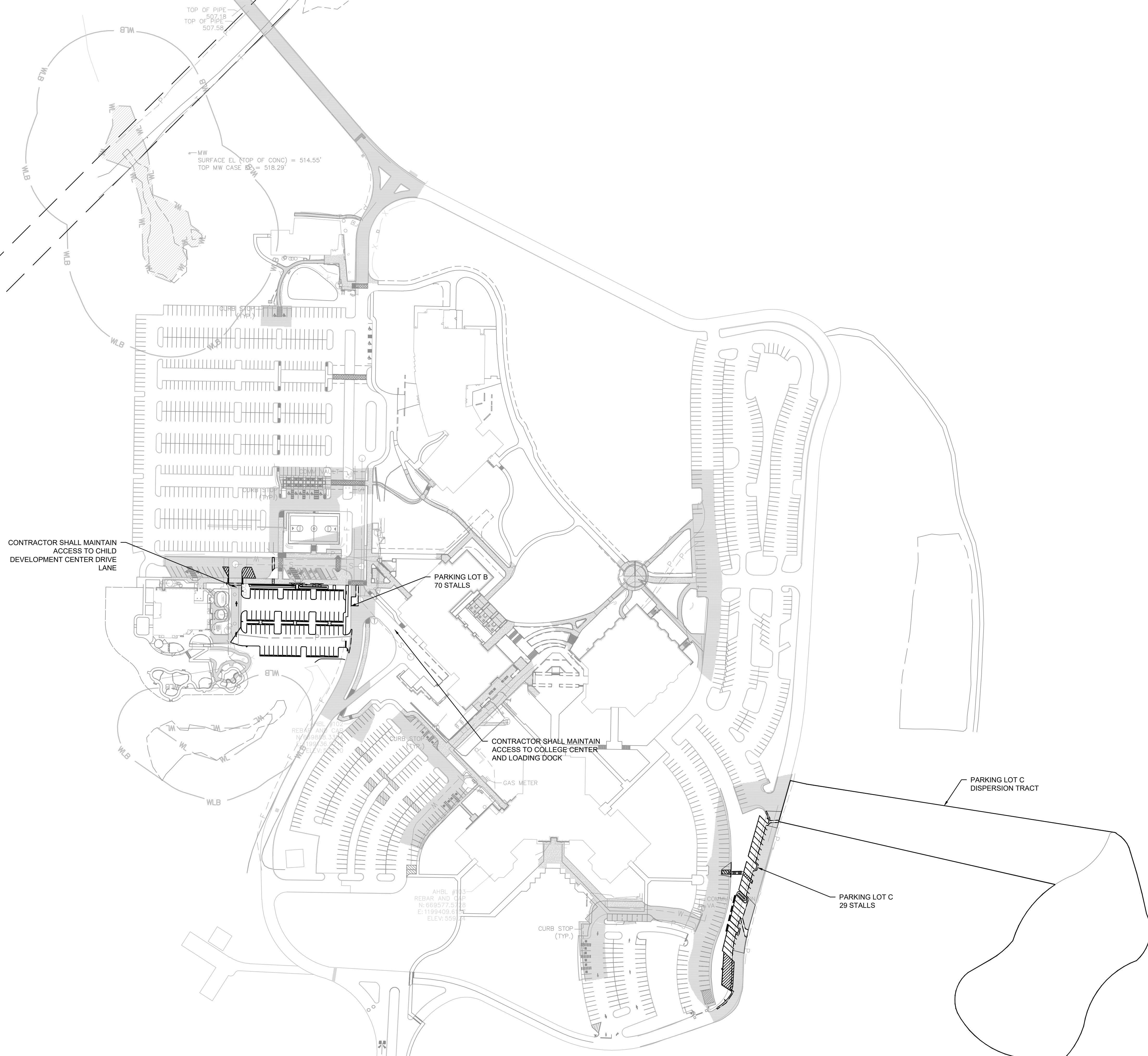
Project No. 2012.000  
**SITE PLAN**

issued_	BID SET	15 FEB 23
revision_	1 ADDENDUM #1	15 MAR 23
2 RECORD DRAWINGS	25 OCT 23	
3 RECORD DRAWINGS	17 JAN 24	

drawn\_  
F Katona

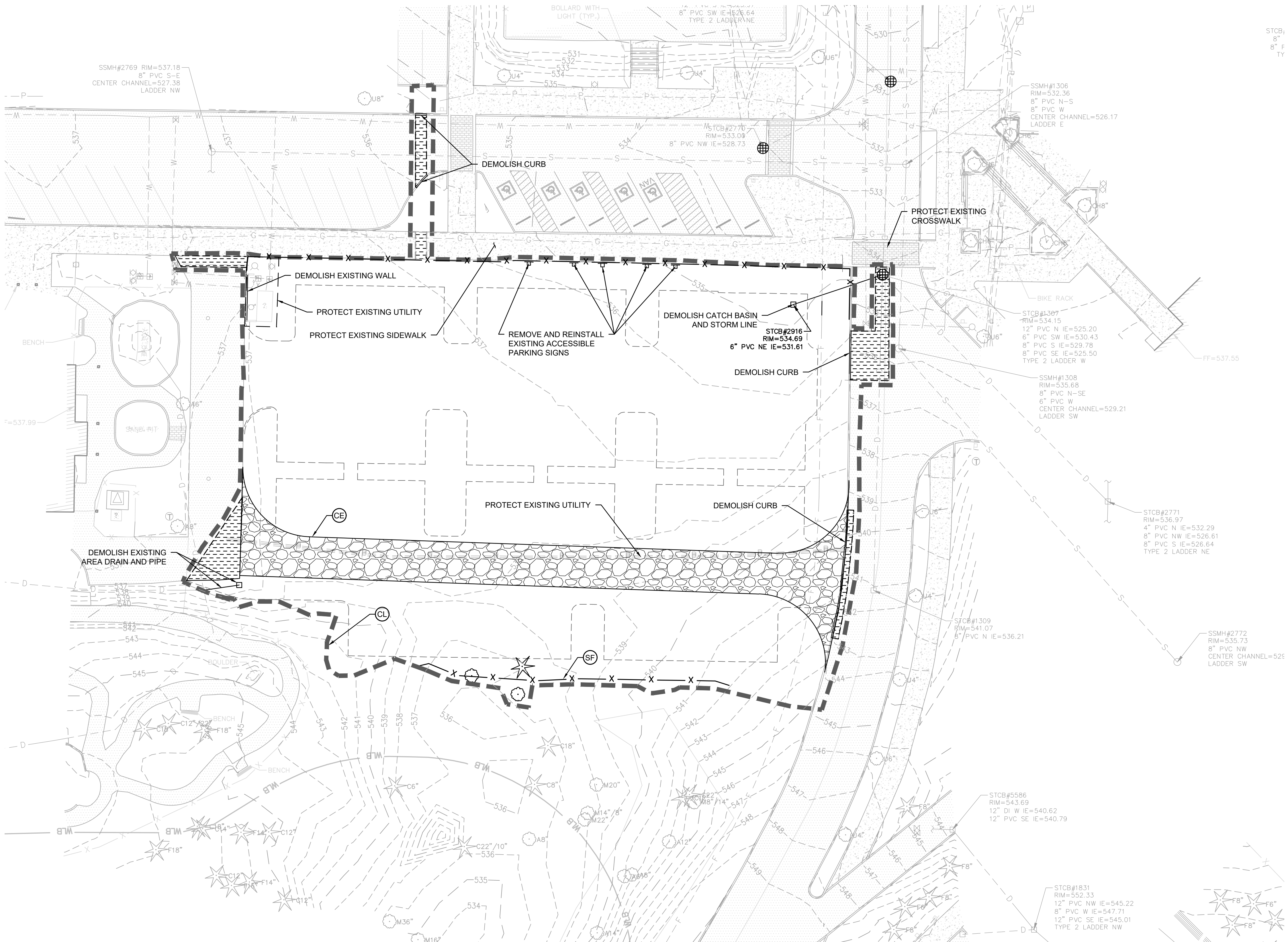
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sheet\_  
**C0.2**



Call Before You Dig. 8-1-1 or 1-800-424-5555 Underground Service (USA)





**LEGEND:**

- IP INLET PROTECTION (3 C1.6)
- REMOVE EXISTING CONCRETE
- REMOVE EXISTING ASPHALT
- REMOVE EXISTING GRAVEL
- CE CONSTRUCTION ENTRANCE (1 C1.5)
- REMOVE EXISTING UTILITY
- CL CLEARING/PROJECT LIMITS
- SL SAWCUT LINE
- SF SILT FENCE (2 C1.5)
- ROCK CHECK DAM (2 C1.6)
- INTERCEPTOR SWALE (1 C1.6)
- TREE PROTECTION FENCE
- TREES TO BE REMOVED
- EXISTING MAJOR CONTOURS
- EXISTING MINOR CONTOURS

**NOTES**

1. PROTECT EXISTING UTILITIES TO REMAIN.
2. VERIFY EXISTING UTILITIES SERVICING SITE.
3. SEE DEMOLITION NOTES WET SEASON SPECIAL PROVISIONS ON SHEET C1.5. SEE EROSION CONTROL DETAILS ON SHEET C1.5. SEE SHEET C1.5 FOR CONSTRUCTION SEQUENCE AND HYDROSEEDING NOTES.
4. INFORMATION PRESENTED IN THIS DRAWING REPRESENTS THE BEST AVAILABLE INFORMATION AT THE TIME OF DESIGN. THIS DRAWING MAY NOT INCLUDE ALL EXISTING UTILITIES, AND THOSE UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. CONTRACTOR SHALL ENSURE THAT ALL UTILITIES HAVE BEEN IDENTIFIED AND LOCATED BEFORE BEGINNING CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER IF ANY INFORMATION PROVIDED, BE IT EXISTING OR PROPOSED, IS BELIEVED TO BE IN ERROR.
5. EROSION CONTROL MEASURES SHALL BE PROVIDED IMMEDIATELY AT THE COMMENCEMENT OF CONSTRUCTION. HYDROSEED SHALL BE APPLIED TO ALL DISTURBED AREAS PER HYDROSEED NOTES ON SHEET C1.5.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF ALL DEMOLISHED AND CLEARED MATERIALS. DISPOSE OF ALL ASBESTOS CEMENT PIPING PER WAC REQUIREMENTS.
7. EROSION CONTROL MEASURES ARE NOT LIMITED TO THE ITEMS SHOWN.
8. CLEAR AND GRUB ALL TREES AND VEGETATION WITHIN CLEARING LIMITS. REMOVE ALL BOULDERS AND CONCRETE BLOCKS WITHIN THE CLEARING LIMITS.
9. THE CONTRACTOR SHALL DEMOLISH EXISTING IRRIGATION LINES EXPOSED BY THE WORK. CONTRACTOR SHALL CONSTRUCT NEW IRRIGATION LINES TO MAINTAIN SERVICE. SEE THE IRRIGATION PLANS.
10. CONTRACTOR SHALL ADJUST ALL EXISTING UTILITIES WITHIN WORK LIMITS TO FINISH GRADE.
11. PROTECT EXISTING FEATURES WITHIN CLEARING LIMITS TO REMAIN.
12. DEMOLISH TEMPORARY STRUCTURES AND PIPES AT THE COMPLETION OF THE PROJECT.
13. DEMOLISH ALL DARKER EXISTING FEATURES WITHIN CLEARING LIMITS. LIGHTER EXISTING FEATURES SHALL BE PROTECTED AND REMAIN.
14. CONTRACTOR SHALL FIELD VERIFY ALL TREE LOCATIONS PRIOR TO REMOVAL, AND NOTIFY THE LANDSCAPE ARCHITECT IF TREE LOCATIONS ARE DIFFERENT THAN SHOWN ON THE PLANS.
15. CONTRACTOR SHALL GRADE SURFACES TO DRAIN TO TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES.
16. CONTRACTOR CESC SHALL ENSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DO NOT ENTER THE DRAINAGE SYSTEM, ROADWAYS, OR VIOLATE APPLICABLE WATER STANDARDS. THE TESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE TESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT AND SEDIMENT-LADEN WATER DO NOT LEAVE THE SITE.
17. CONTRACTOR SHALL REPLACE ANY DAMAGED PAVING, CURBS, OR OTHER EXISTING FEATURES IN KIND.
18. DURING CONSTRUCTION, ALL PAVED AREAS ADJACENT TO THE PROJECT SHALL BE KEPT CLEAN OF ALL MATERIAL DEPOSITS RESULTING FROM ON-SITE CONSTRUCTION, AND EXISTING STRUCTURES SHALL BE PROTECTED AS NECESSARY. THE CONTRACTOR SHALL CLEAN PAVED AREAS AS NECESSARY AND AT MINIMUM DAILY.
19. SITE ACCESS AND HAUL ROUTE SHALL BE APPROVED BY THE COLLEGE.

**APPROVED**

BY \_\_\_\_\_  
CITY OF PUYALLUP  
DEVELOPMENT ENGINEERING

DATE \_\_\_\_\_

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.

THESE PLANS ARE RECORD DRAWINGS, AND THE INFORMATION SHOWN ACCURATELY REFLECTS EXISTING FIELD CONDITIONS AS OF THIS DATE, OCTOBER 25, 2023

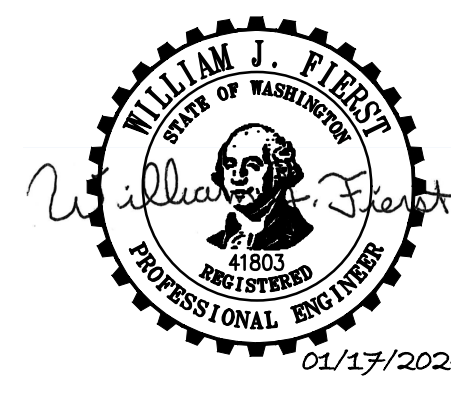
mcb-ARC

architect\_  
MGRANAHAN ARCHITECTS

civil engineer\_  
AHBL

landscape design\_  
AHBL

electrical engineer\_  
HARGIS ENGINEERS



project\_  
PUYALLUP CAMPUS PARKING  
EXPANSION FOR LOTS B AND C

client\_  
PIERCE COLLEGE

location\_  
PUYALLUP, WA

state project number\_  
2020-546H(2-1)

Project No. 2012.000  
**LOT B TESC AND  
DEMOLITION PLAN**

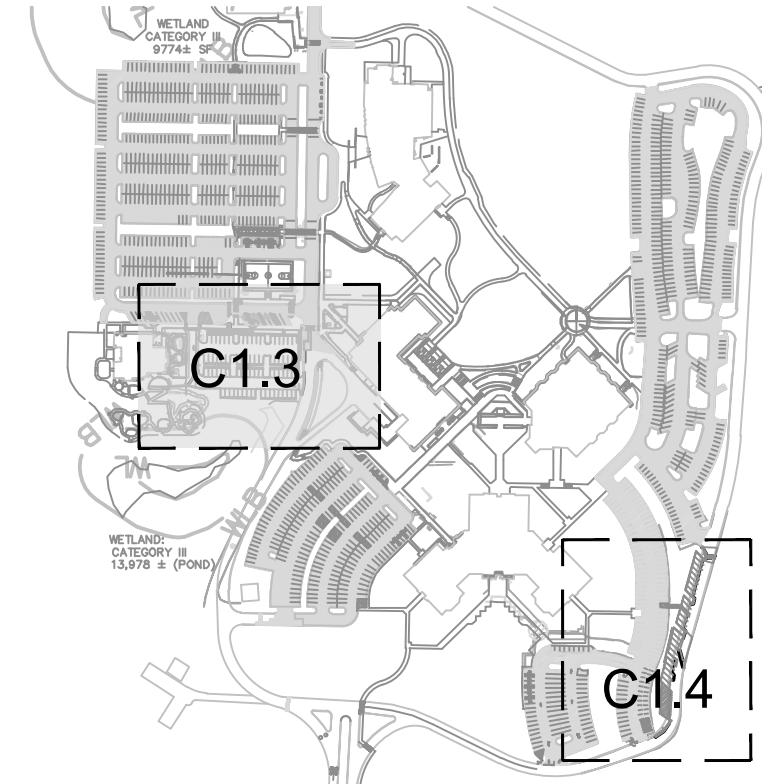
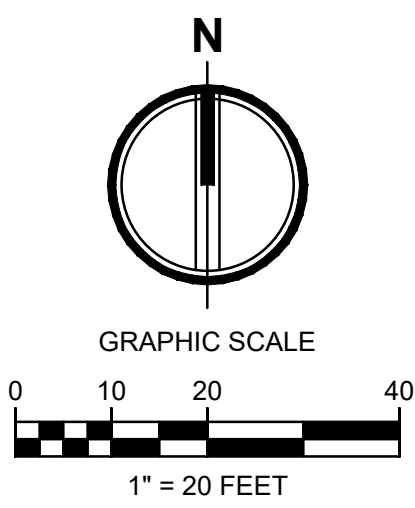
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BID SET 15 FEB 23

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1 ADDENDUM #1 15 MAR 23  
2 RECORD DRAWINGS 25 OCT 23  
3 RECORD DRAWINGS 17 JAN 24

drawn\_  
F Katona

checked\_  
W Fierst

sheet\_  
**C1.3**



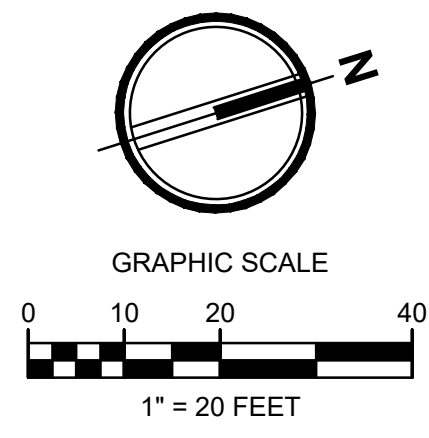
**VICINITY MAP**  
SCALE: 1" = 400'

Call Before You Dig. 8-1-1 or 1-800-424-5555 Underground Service (USA)

ORIGINAL SHEET IS 24" x 36"  
copyright 2023  
all rights reserved

DATE: October 25, 2023 FILENAME: Q:\2020\2200718\10\_CIV\CAD\ PARKING LOT\ BidSet\2200718-SH-TESC-DEMO.dwg





**APPROVED**

BY \_\_\_\_\_  
CITY OF PUYALLUP  
DEVELOPMENT ENGINEERING

DATE \_\_\_\_\_

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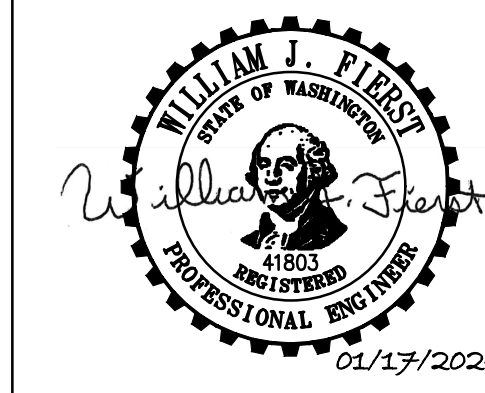
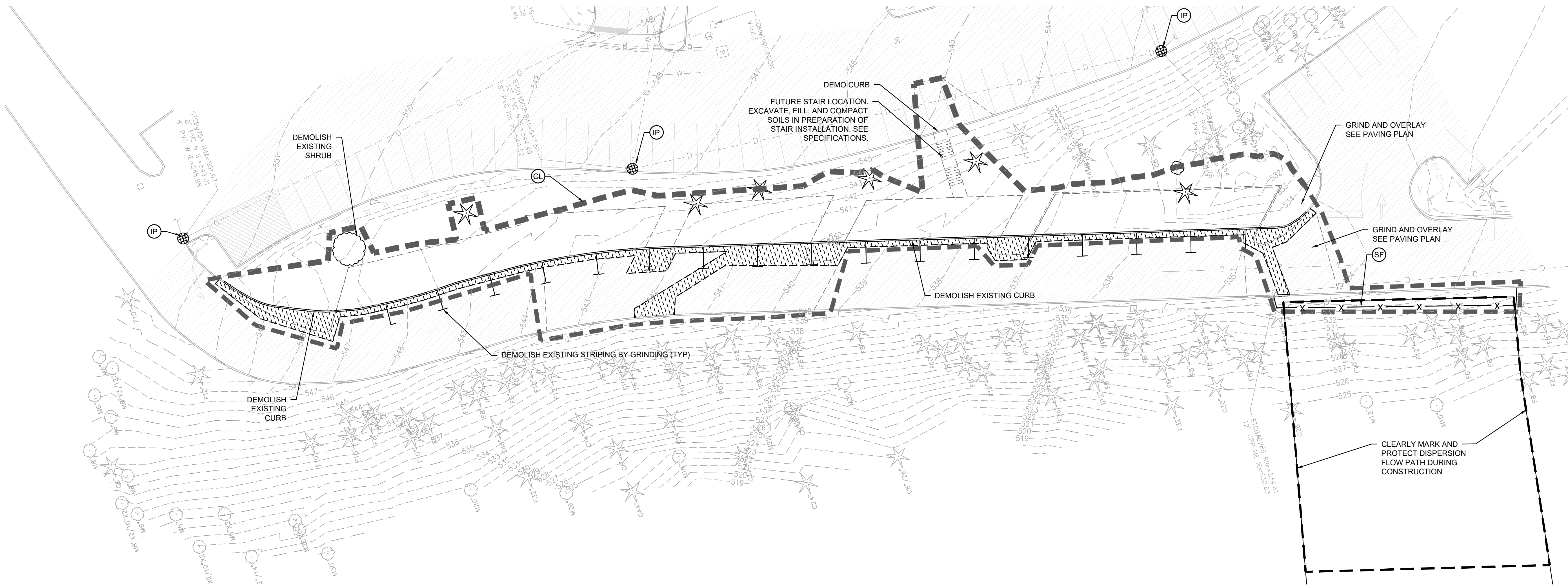
mcb-ARC

architect\_  
MGRANAHAN ARCHITECTS

civil engineer\_  
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landscape design\_  
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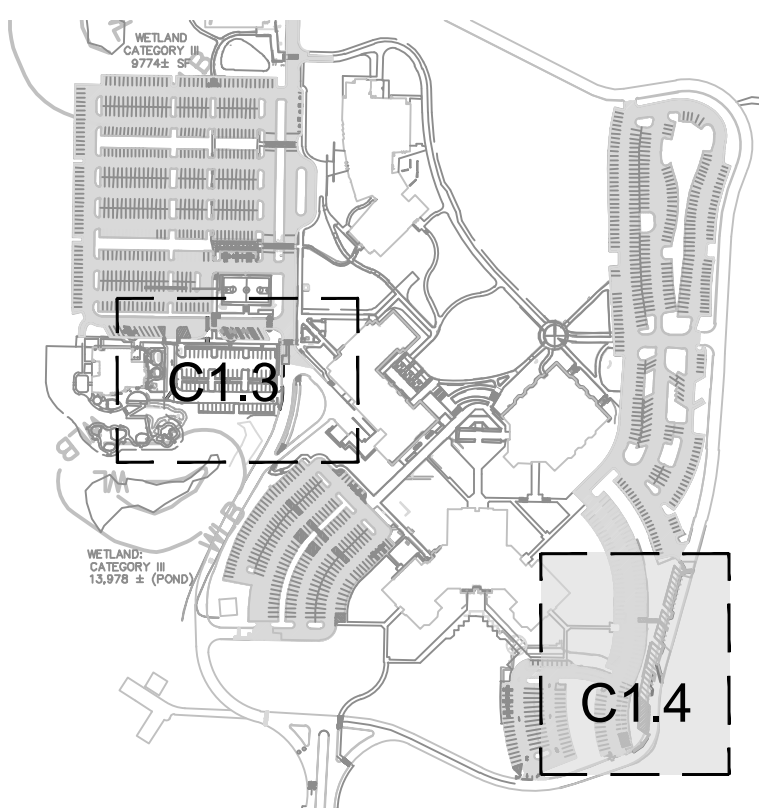


project\_  
PUYALLUP CAMPUS PARKING  
EXPANSION FOR LOTS B AND C

client\_  
PIERCE COLLEGE

location\_  
PUYALLUP, WA

state project number\_  
2020-546H(2-1)



**VICINITY MAP**  
SCALE: 1" = 400'

**LEGEND:**

	IP INLET PROTECTION (3 C1.6)
	REMOVE EXISTING CONCRETE
	REMOVE EXISTING ASPHALT
	REMOVE EXISTING GRAVEL
	CE CONSTRUCTION ENTRANCE (1 C1.5)
	REMOVE EXISTING UTILITY
	CL CLEARING/PROJECT LIMITS
	SL SAWCUT LINE
	SF SILT FENCE (2 C1.5)
	TREE PROTECTION FENCE
	TREES TO BE REMOVED
	EXISTING MAJOR CONTOURS
	EXISTING MINOR CONTOURS

Project No. 2012.000  
**LOT C, TESC AND DEMOLITION PLAN**

issued_ BID SET	15 FEB 23
revision_ 1 ADDENDUM #1 2 RECORD DRAWINGS 3 RECORD DRAWINGS	15 MAR 23 25 OCT 23 17 JAN 24

drawn\_  
F Katona

checked\_  
W Fierst

**NOTES**  
1. SEE NOTES ON SHEET C1.3.

sheet\_  
**C1.4**

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**NOTE:**

1. GEOTEXTILE MIRAFI 500 X OR APPROVED EQUAL SHALL BE PLACED UNDER THE ENTIRETY OF THE TEMPORARY ENTRANCE.
2. ADDITIONAL ROCK SHALL BE ADDED PERIODICALLY TO MAINTAIN PROPER FUNCTION OF THE PAD.
3. IF THE PAD DOES NOT ADEQUATELY REMOVE THE MUD FROM THE VEHICLE'S WHEELS, THE WHEELS SHALL BE HOSED OFF BEFORE THE VEHICLE ENTERS A PAVED STREET. THE WASHING SHALL BE DONE ON AN AREA COVERED WITH CRUSHED ROCK AND WASH WATER SHALL DRAIN TO A SEDIMENT RETENTION FACILITY OR THROUGH A SILT FENCE.

<b>CITY OF PUYALLUP</b> DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS	<b>TEMPORARY CONSTRUCTION ENTRANCE</b>				CITY STAFF NO. 05.01.01
	DRAWN BY EMERSON SYMONDA	CHECKED BY CINDY LEAN	APPROVED BY COLLEEN HARRIS	REVIEWED BY TERRY	

1. 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.
2. 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.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.

<b>CITY OF PUYALLUP</b> DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS	<b>GRADING, EROSION, AND SEDIMENTATION CONTROL NOTES</b>				CITY STAFF NO. 05.02.01
	DRAWN BY EMERSON SYMONDA	CHECKED BY LENDY LEAN	APPROVED BY COLLEEN HARRIS	REVIEWED BY CINDY LEAN	

**NOTES:**

- SILT FENCE SHALL BE INSTALLED ON CONTOUR OTHER INSTALLATIONS ARE NOT EXCEPTABLE.
- \*FILTER FABRIC TO BE DETERMINED BY DESIGN ENGINEER
- PROVIDE 3/4" - 1.5" WASHED GRAVEL BACKFILL IN TRENCH AND ON BOTH SIDES OF FILTER FABRIC ON THE SURFACE

<b>CITY OF PUYALLUP</b> DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS	<b>SILTATION FENCE</b>				CITY STAFF NO. 02.03.02
	DRAWN BY LINDSEY	CHECKED BY LENDY LEAN	APPROVED BY COLLEEN HARRIS	REVIEWED BY TERRY	

**SILT FENCE NOTES**

1. 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 SPLICED TOGETHER ONLY AT A SUPPORT POST WITH A MINIMUM SIX-INCH OVERLAP, AND BOTH ENDS SECURELY FASTENED TO THE POST.
2. 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")
3. 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.
4. 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.
5. 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.
6. 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.
7. THE TRENCH SHALL BE BACKFILL WITH 3/4 INCH MINIMUM DIAMETER WASHED GRAVEL.
8. FILTER FABRIC FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.
9. FILTER FABRIC FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
10. CONTRIBUTING LENGTH TO FENCE SHALL NOT BE MORE THAN 100 FEET.
11. DO NOT INSTALL BELOW AN OUTLET PIPE OR WEIR.
12. DO NOT DRIVE OVER OR FILL OVER FILTER FABRIC FENCE.

**APPROVED**

BY \_\_\_\_\_  
CITY OF PUYALLUP  
DEVELOPMENT ENGINEERING

DATE \_\_\_\_\_

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mcb-arc

architect  
MCGRANAHAN ARCHITECTS

civil engineer  
AHBL

landscape design  
AHBL

electrical engineer  
HARGIS ENGINEERS



**1 TEMPORARY CONSTRUCTION ENTRANCE**  
NOT TO SCALE

**2 SILT FENCE**  
NOT TO SCALE

**DEMOLITION NOTES**

1. DEMOLITION: IT IS THE INTENT OF THE WORK UNDER THIS CONTRACT TO INCLUDE THE DEMOLITION OF ALL EXISTING 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.
2. 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.
3. CONTRACTOR SHALL LEGALLY DISPOSE OF THE OWNER'S PROPERTY, ALL DEMOLISHED AND REMOVED MATERIALS, UNLESS INDICATED OTHERWISE.
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR FOR ENSURING THAT ALL UTILITIES HAVE BEEN DISCONNECTED PRIOR TO COMMENCING DEMOLITION. CONTRACTOR SHALL COORDINATE UTILITY DEMOLITION WITH NEW CONSTRUCTION.
5. COORDINATE POWER DEMOLITION WITH UTILITY PURVEYOR AND ELECTRICAL PLANS. CONTRACTOR TO ENSURE THAT DEMOLITION OF LINES WILL NOT COMPROMISE POWER TO OTHER AREAS.
6. ANY ABANDONED SIDE SEWER(S) SHALL BE DEMOLISHED, PLUGGED, OR CAPPED AS SHOWN.
7. UTILITIES TO BE ABANDONED SHALL BE CAPPED. CONTRACTOR SHALL AS-BUILT LOCATION.
8. REFER TO LANDSCAPE ARCHITECTURE DRAWINGS FOR TREE PROTECTION REQUIREMENTS.
9. ALL MONUMENTS DISTURBED AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE REPLACED PER WAC 332-120 AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR SHALL APPLY FOR PERMIT FROM THE DEPARTMENT OF NATURAL RESOURCES AS NECESSARY.
10. CONTRACTOR SHALL ENSURE THAT ADEQUATE FIRE PROTECTION ACCESS IS PROVIDED TO SITE AND EXISTING STRUCTURES TO REMAIN. CONTRACTOR SHALL ALSO PROVIDE ADEQUATE FIRE PROTECTION FOR THE NEW BUILDING.
11. COORDINATE DEMOLITION OF ASPHALT WITH TESC PLAN. MAINTAIN PAVEMENT AS A WORKING SURFACE AS LONG AS FEASIBLE. COORDINATE STUDENT ACCESS ALONG SOUTH SIDE OF PROJECT LIMITS WITH COLLEGE - PROVIDE A SAFE PEDESTRIAN ACCESS MEETING ADA REQUIREMENTS.
12. CONTRACTOR SHALL MINIMIZE DUST GENERATION ONSITE BY SPRINKLING THE SITE WITH WATER UNTIL SURFACE IS WET. SEE BMP C140.
13. SAWCUT CONCRETE SIDEWALK AT THE NEAREST JOINT.

**HYDROSEEDING NOTES**

1. SEED MIXTURE SHALL BE THE FOLLOWING MIXTURE, AND SHALL BE APPLIED AT THE RATE OF 120 LB PER ACRE.
  - 40% ANNUAL RYE (LOLIUM MULIFORUM)
  - 10% REDTOP (AGROSTIS ALBE)
  - 10% WHITE DUTCH CLOVER (TRIFOLIUM)
  - 40% CHEWINGS FESCUE (FESTUCA REBRA COMMUTATA) (JAMESTOWN, BANNER, SHADOW OR KOKET)
2. SEED BEDS PLANTED BETWEEN MAY 1 AND OCTOBER 31 WILL REQUIRE IRRIGATION AND OTHER MAINTENANCE AS NECESSARY TO FOSTER AND PROTECT THE ROOT STRUCTURE.
3. FOR SEED BEDS PLANTED BETWEEN OCTOBER 31 AND APRIL 30, ARMORING OF THE SEED BED WILL BE NECESSARY. (E.G., GEOTEXTILES, JUTE MAT, CLEAR PLASTIC COVERING).
4. BEFORE SEEDING, INSTALL NEEDED SURFACE RUNOFF CONTROL MEASURES SUCH AS GRADIENT TERRACES, INTERCEPTOR DIKES, SWALES, LEVEL SPREADERS AND SEDIMENT BASINS.
5. THE SEEDBED SHALL BE FIRM WITH A FAIRLY FINE SURFACE, FOLLOWING SURFACE ROUGHENING. PERFORM ALL CULTURAL OPERATIONS ACROSS OR AT RIGHT ANGLES TO THE SLOPE.
6. FERTILIZERS ARE TO BE USED ACCORDING TO SUPPLIERS RECOMMENDATIONS. AMOUNTS USED SHOULD BE MINIMIZED, ESPECIALLY ADJACENT TO WATER BODIES AND WETLANDS.

project  
PUYALLUP CAMPUS PARKING EXPANSION FOR LOTS B AND C

client  
PIERCE COLLEGE

location  
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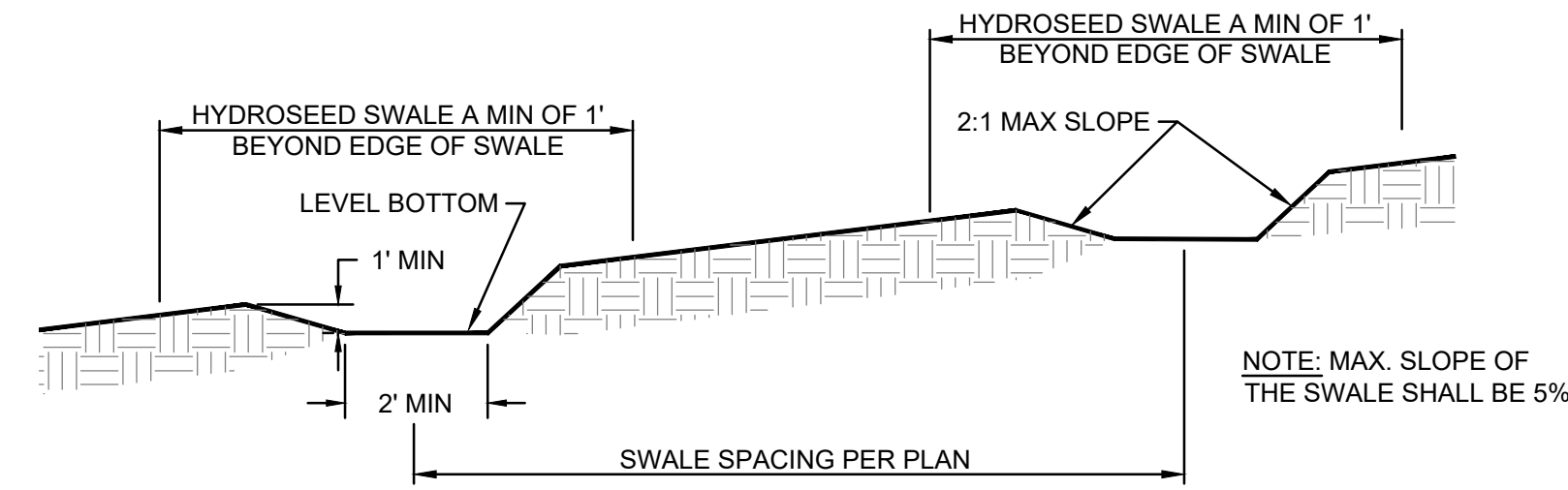
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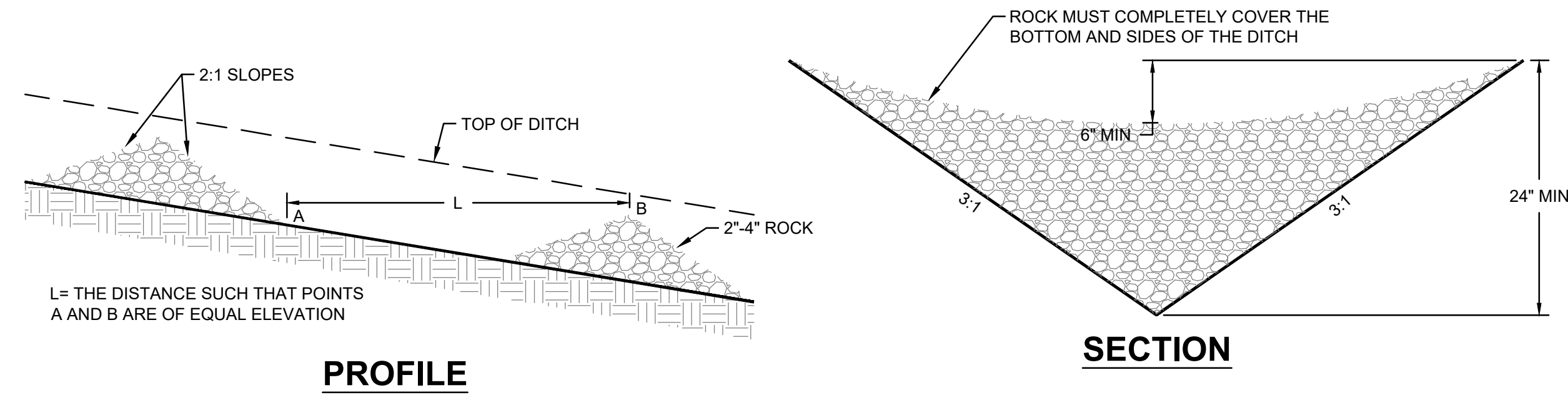
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DATE: October 25, 2023 FILENAME: Q:\2020\2200718\10\_CIV\CAD\ \_PARKING LOT\ BidSet\2200718-SH-TESC-DEMO.dwg

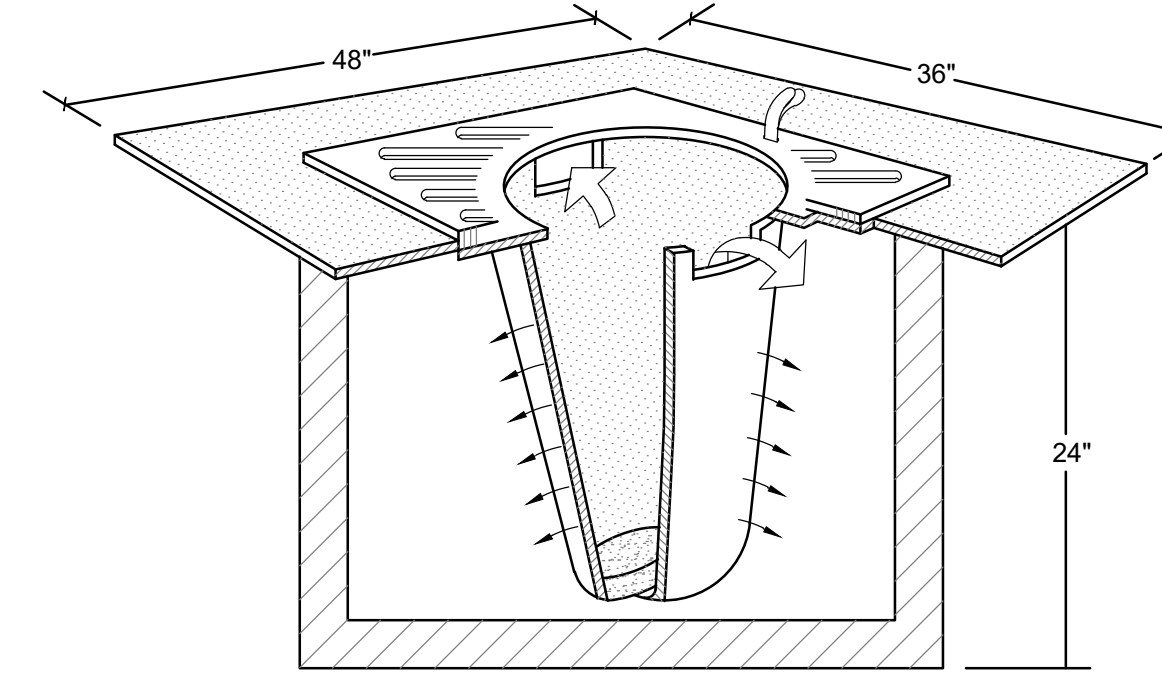




**1 INTERCEPTOR SWALE**  
NOT TO SCALE



**2 ROCK CHECK DAM**  
NOT TO SCALE



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

**INLET PROTECTION NOTES**

1. SIZE THE CATCH BASIN INSERT FOR THE STORMWATER STRUCTURE IT WILL SERVICE.
2. THE INSERT SHALL HAVE AN OVERFLOW BYPASS.
3. THE RETRIEVAL SYSTEM MUST ALLOW FOR THE REMOVAL OF THE INSERT WITHOUT SPILLING THE COLLECTED MATERIAL.
4. MAINTAIN IN ACCORDANCE WITH WSDOT STANDARD SPEC 8-01.3(15).

**3 INLET PROTECTION**  
NOT TO SCALE

**APPROVED**

BY \_\_\_\_\_  
CITY OF PUYALLUP  
DEVELOPMENT ENGINEERING

DATE \_\_\_\_\_

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**CITY OF PUYALLUP GRADING, EROSION, AND SEDIMENTATION CONTROL**

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 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.
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 ENGINEER 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 HOURS IN ADVANCE. THE OWNER AND HIS/HER ENGINEER SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS.
7. 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.
8. ALL REQUIRED SEDIMENTATION AND EROSION CONTROL FACILITIES MUST BE CONSTRUCTED AND IN OPERATION PRIOR TO ANY LAND CLEARING AND/OR OTHER CONSTRUCTION TO ENSURE THAT SEDIMENT LADEN WATER DOES NOT ENTER THE NATURAL DRAINAGE SYSTEM. THE CONTRACTOR SHALL SCHEDULE AN INSPECTION OF THE EROSION CONTROL FACILITIES PRIOR TO ANY LAND CLEARING AND/OR OTHER CONSTRUCTION. ALL EROSION AND SEDIMENT FACILITIES SHALL BE MAINTAINED IN A SATISFACTORY CONDITION AS DETERMINED BY THE CITY, UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETED AND THE POTENTIAL FOR ON-SITE EROSION HAS PASSED. THE IMPLEMENTATION, MAINTENANCE, REPLACEMENT, AND ADDITIONS TO THE EROSION AND SEDIMENTATION CONTROL SYSTEMS SHALL BE THE RESPONSIBILITY OF THE PERMITTEE.
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13. 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

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EXPANSION FOR LOTS B AND C

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location\_  
PUYALLUP, WA

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F Katona

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W Fierst

sheet\_  
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BY \_\_\_\_\_  
CITY OF PUYALLUP  
DEVELOPMENT ENGINEERING

DATE \_\_\_\_\_

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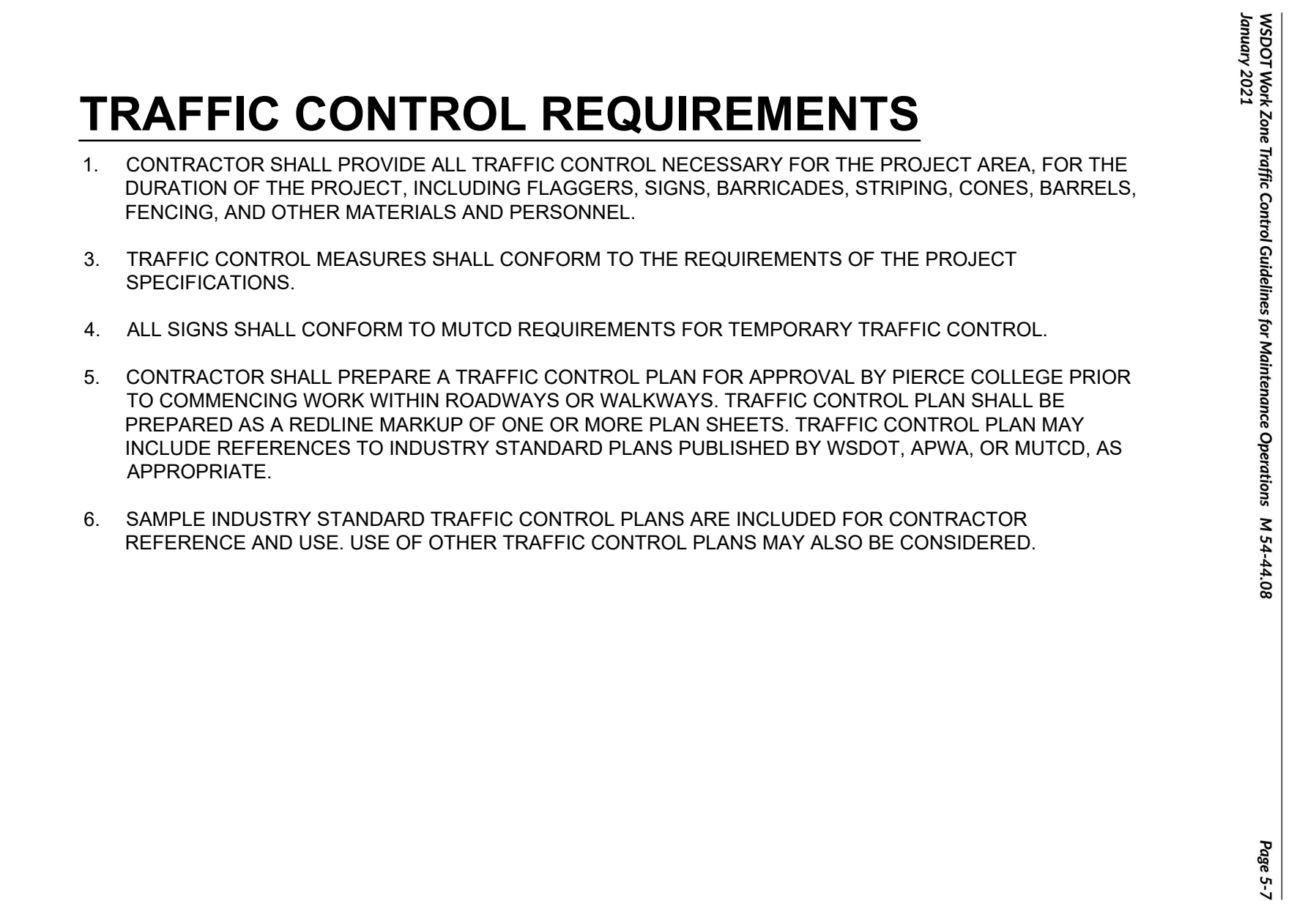
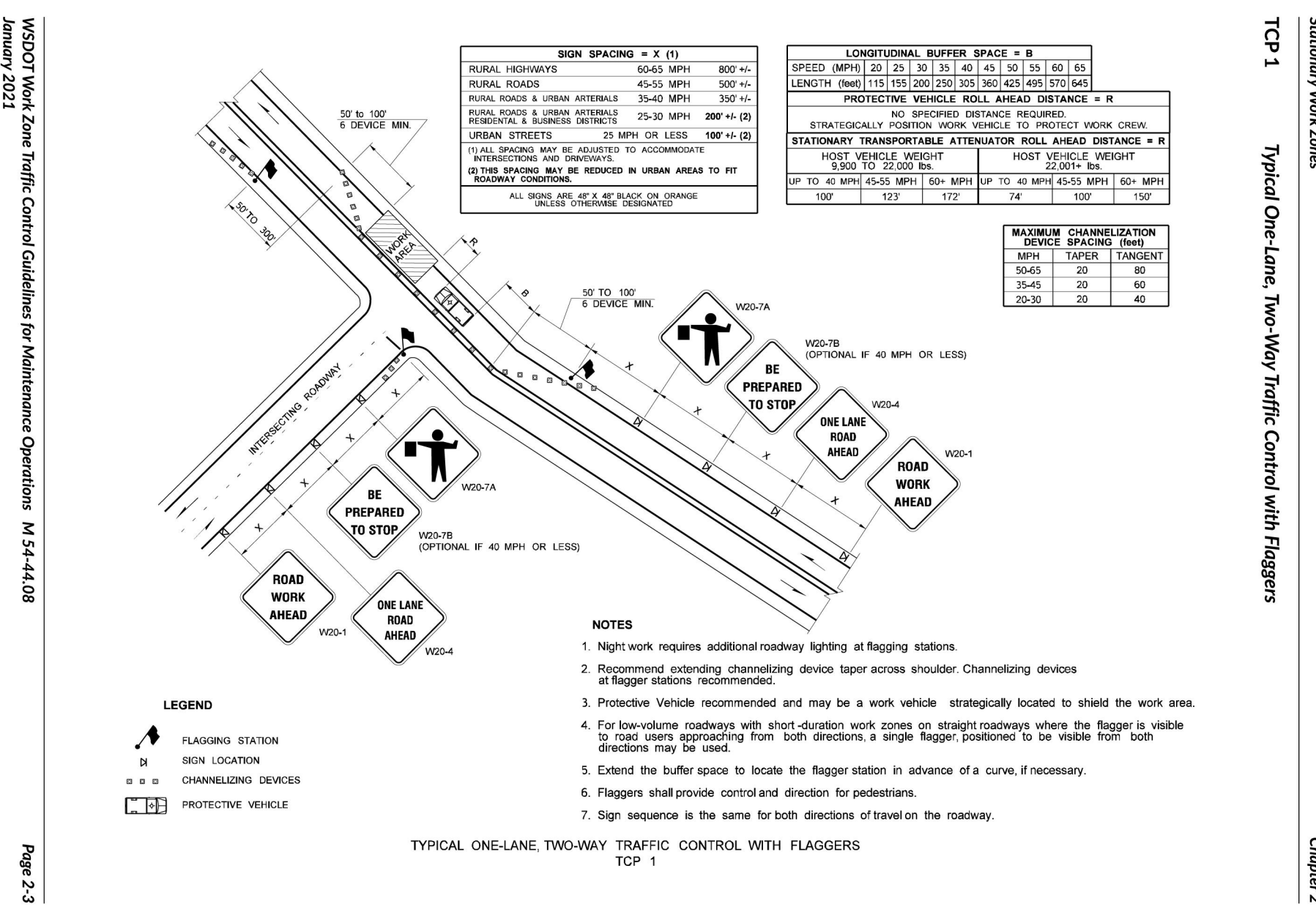
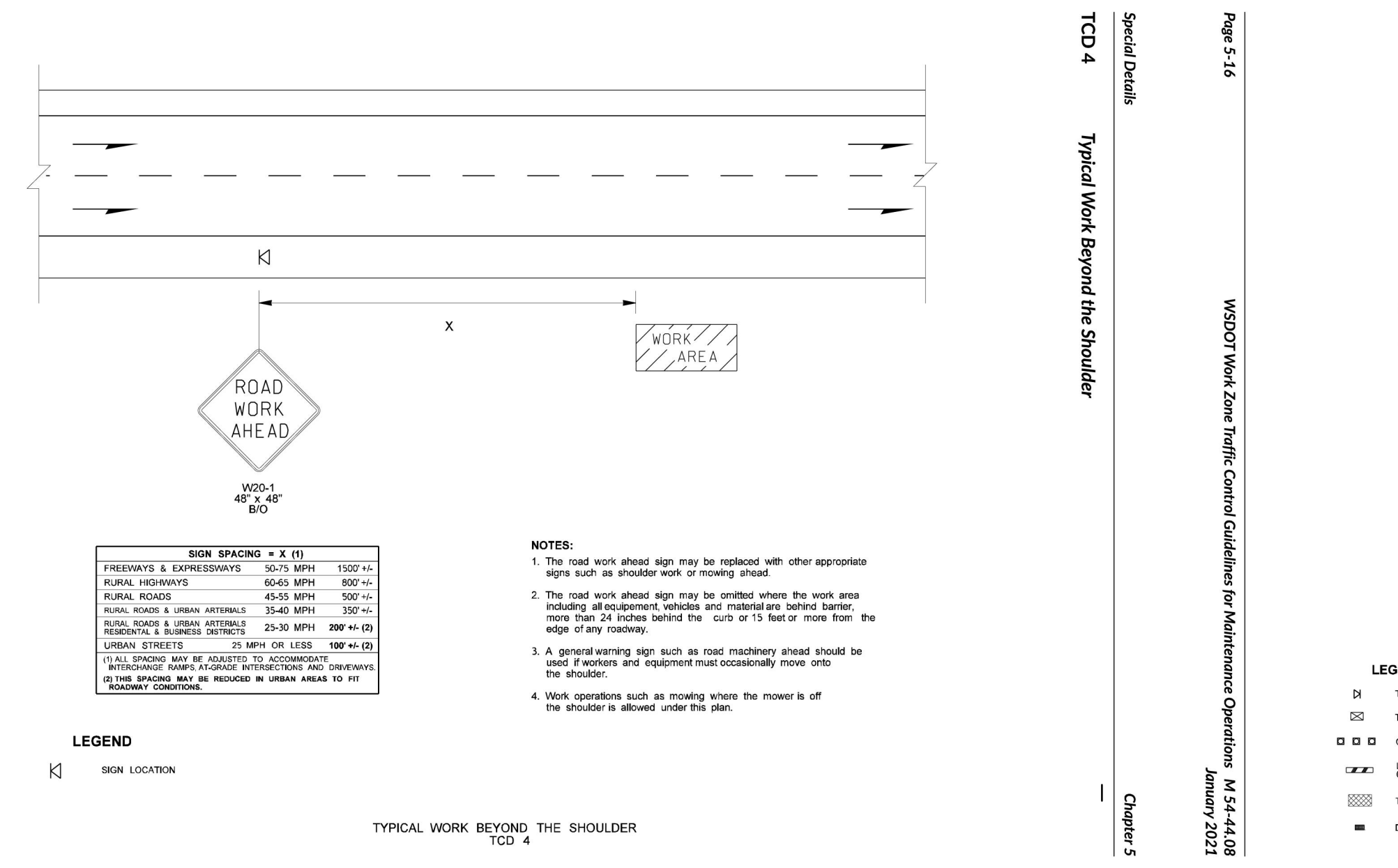
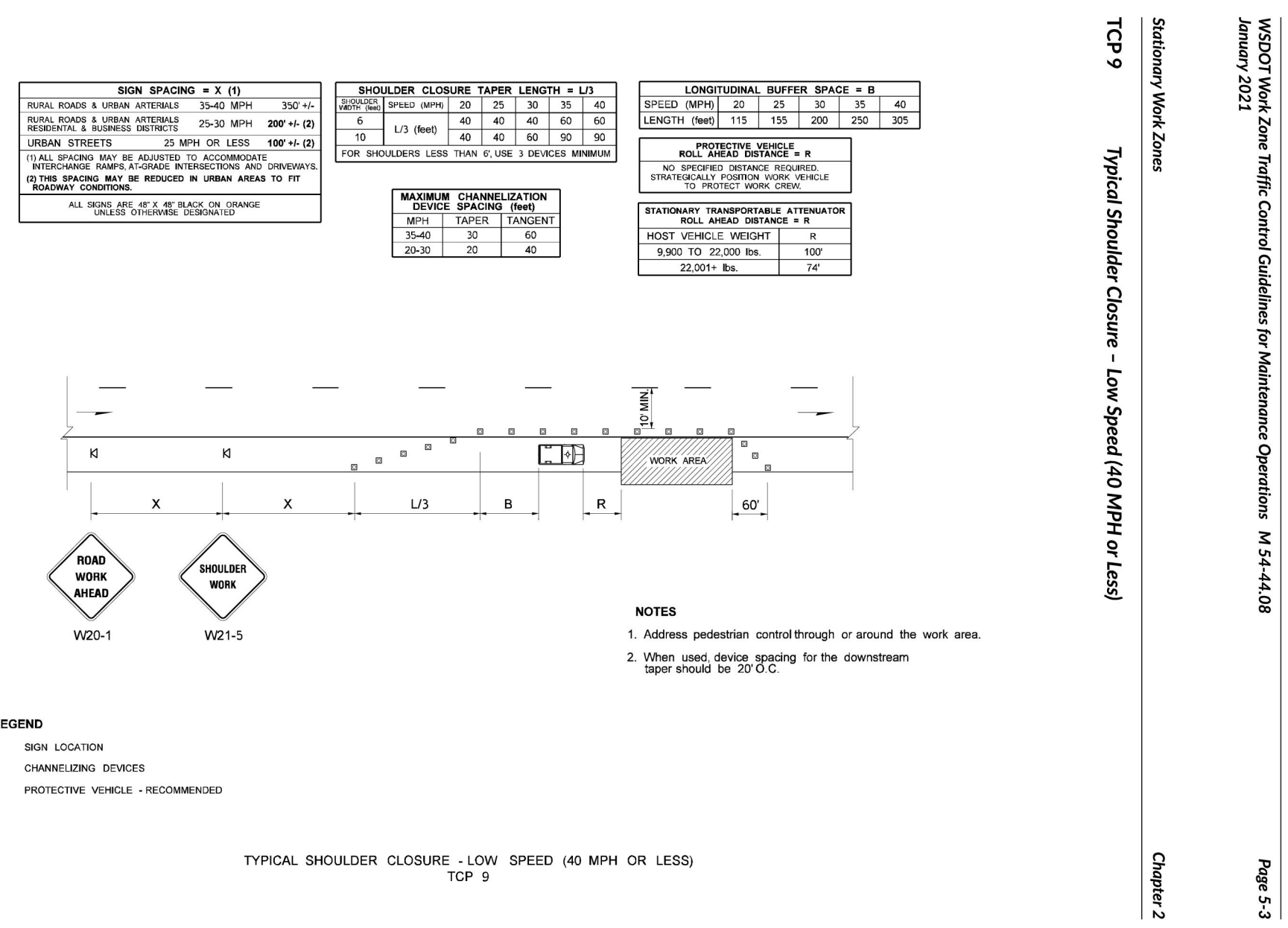
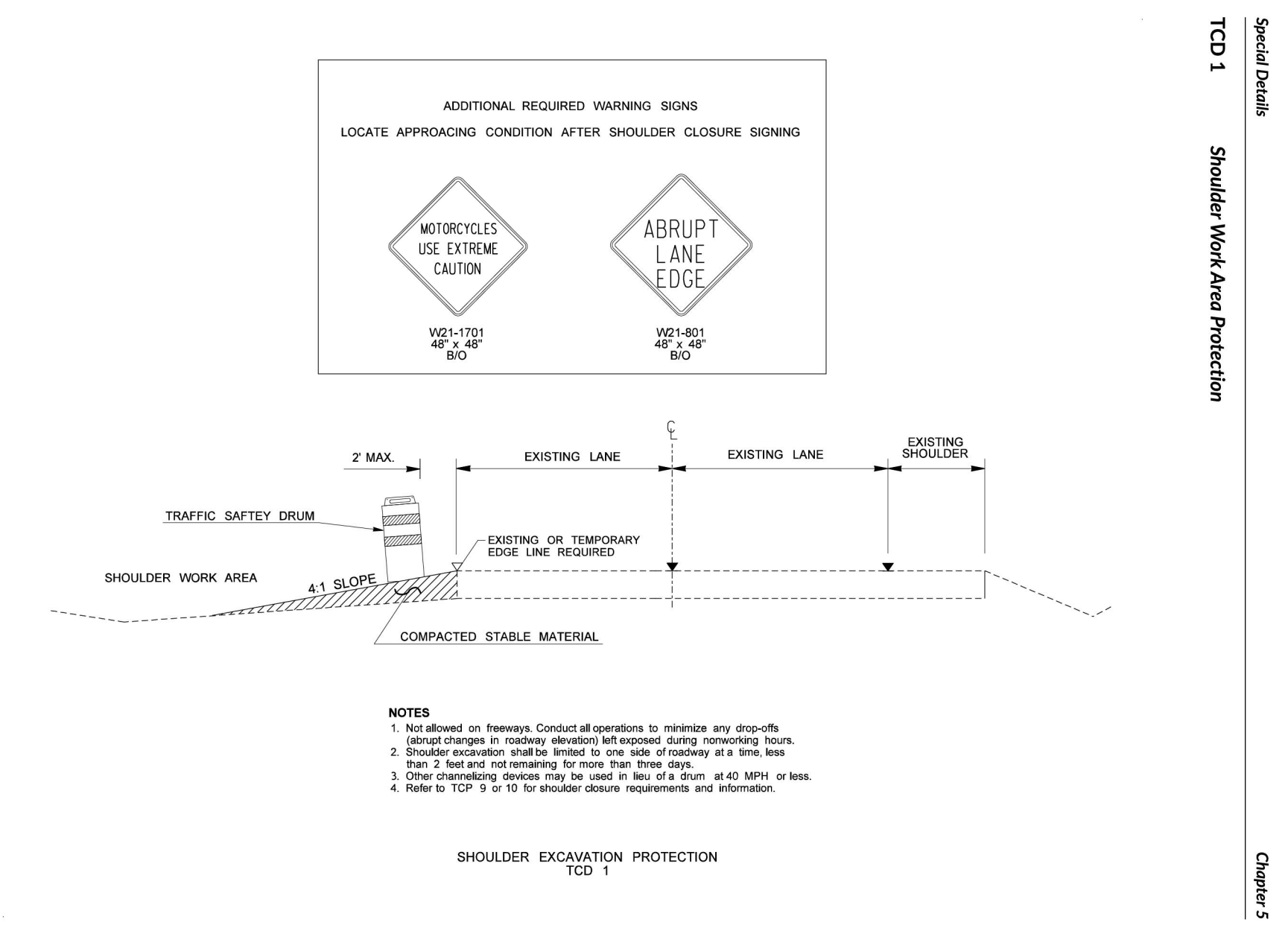
issued\_  
BID SET 15 FEB 23

revision\_  
1 ADDENDUM #1 15 MAR 23  
2 RECORD DRAWINGS 25 OCT 23  
3 RECORD DRAWINGS 17 JAN 24

drawn\_  
F Katona

checked\_  
W Fierst

sheet\_  
**C1.7**



**1** NOT TO SCALE

**TRAFFIC CONTROL REQUIREMENTS**

- CONTRACTOR SHALL PROVIDE ALL TRAFFIC CONTROL NECESSARY FOR THE PROJECT AREA, FOR THE DURATION OF THE PROJECT, INCLUDING FLAGGERS, SIGNS, BARRICADES, STRIPING, CONES, BARRELS, FENCING, AND OTHER MATERIALS AND PERSONNEL.
- TRAFFIC CONTROL MEASURES SHALL CONFORM TO THE REQUIREMENTS OF THE PROJECT SPECIFICATIONS.
- ALL SIGNS SHALL CONFORM TO MUTCD REQUIREMENTS FOR TEMPORARY TRAFFIC CONTROL.
- CONTRACTOR SHALL PREPARE A TRAFFIC CONTROL PLAN FOR APPROVAL BY PIERCE COLLEGE PRIOR TO COMMENCING WORK WITHIN ROADWAYS OR WALKWAYS. TRAFFIC CONTROL PLAN SHALL BE PREPARED AS A REDLINE MARKUP OF ONE OR MORE PLAN SHEETS. TRAFFIC CONTROL PLAN MAY INCLUDE REFERENCES TO INDUSTRY STANDARD PLANS PUBLISHED BY WSDOT, APWA, OR MUTCD, AS APPROPRIATE.
- SAMPLE INDUSTRY STANDARD TRAFFIC CONTROL PLANS ARE INCLUDED FOR CONTRACTOR REFERENCE AND USE. USE OF OTHER TRAFFIC CONTROL PLANS MAY ALSO BE CONSIDERED.

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DATE: October 25, 2023 FILENAME: Q:\2020\2200718\10\_CIV\CAD\L\_PARKING LOT\_BidSet\2200718-SH-TESC-DEMO.dwg



**APPROVED**

BY \_\_\_\_\_  
CITY OF PUYALLUP  
DEVELOPMENT ENGINEERING

DATE \_\_\_\_\_

**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.

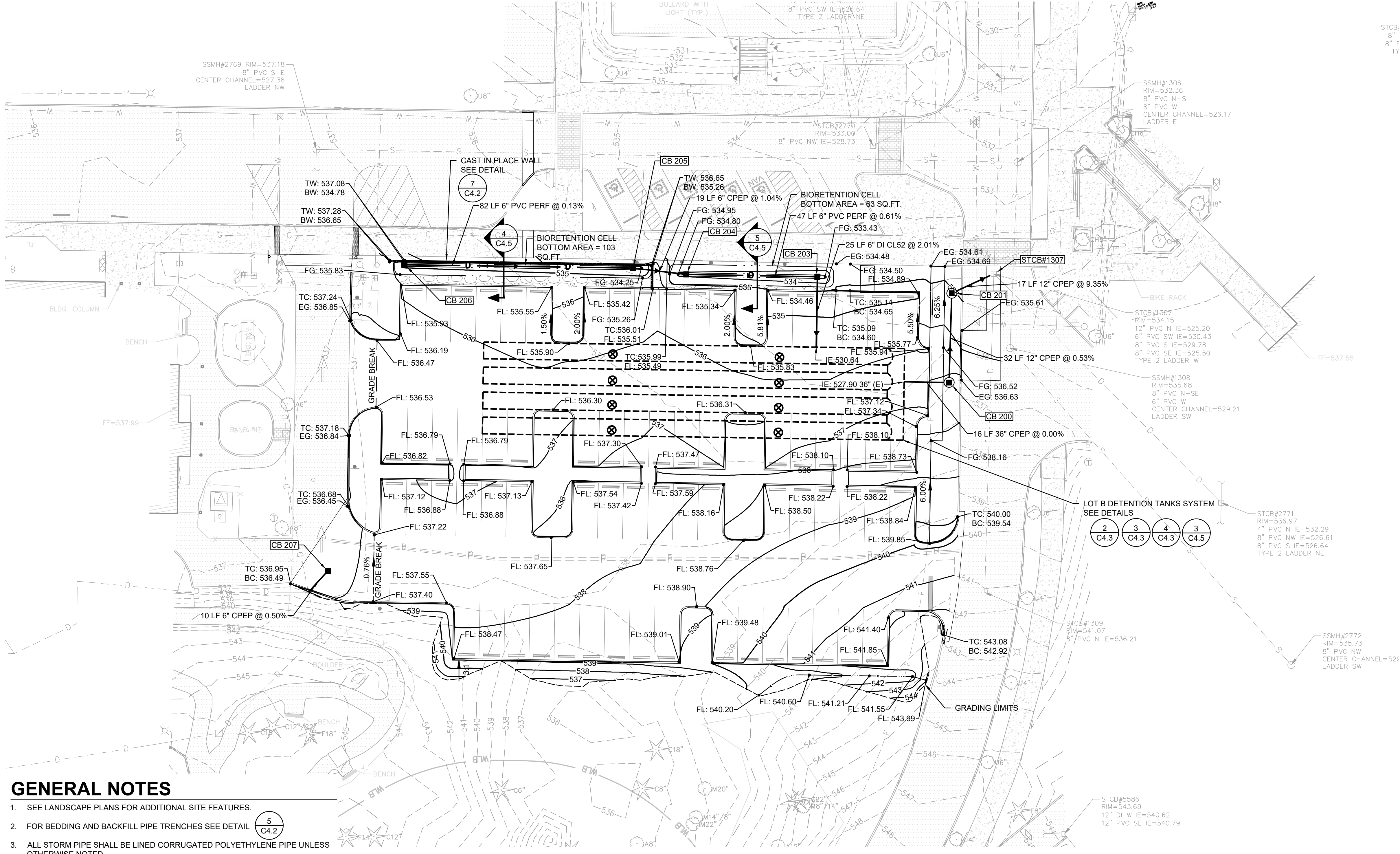
architect\_ MCGRANAHAN ARCHITECTS

civil engineer\_ AHBL

landscape design\_ AHBL

electrical engineer\_ HARGIS ENGINEERS

THESE PLANS ARE RECORD DRAWINGS, AND THE INFORMATION SHOWN ACCURATELY REFLECTS EXISTING FIELD CONDITIONS AS OF THIS DATE: OCTOBER 25, 2023



**LEGEND**

BC	BOTTOM OF CURB ELEVATION
EG	EXISTING GRADE ELEVATION
FG	FINISHED GRADE ELEVATION
FL	FLOW LINE ELEVATION
XXX	GRADE/SLOPE
---XXX---	EXISTING MAJOR CONTOUR
- - -XXX- - -	EXISTING MINOR CONTOUR
---XXX---	PROPOSED MAJOR CONTOUR
- - -XXX- - -	PROPOSED MINOR CONTOUR
---	GRADE BREAK
●	STORM DRAINAGE MANHOLE - TYPE 2
■	CATCH BASIN - TYPE I
●	STORM DRAINAGE CLEANOUT
⊗	DETENTION PIPE ACCESS RISER
—	STORM DRAINAGE PIPING
---	POND AND BIORETENTION OUTLINE

**STORM STRUCTURE TABLE**

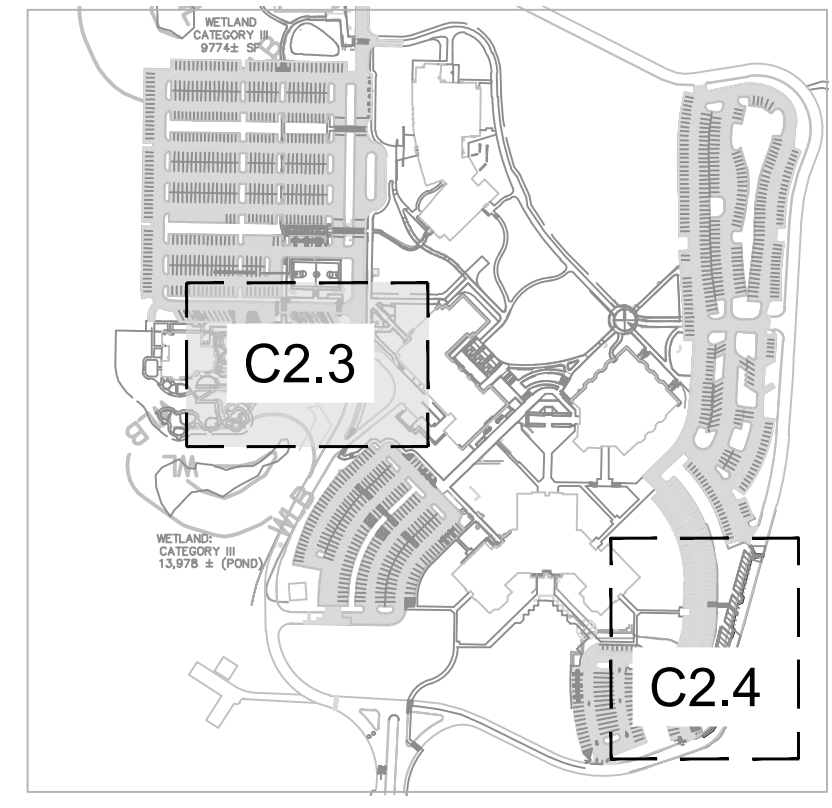
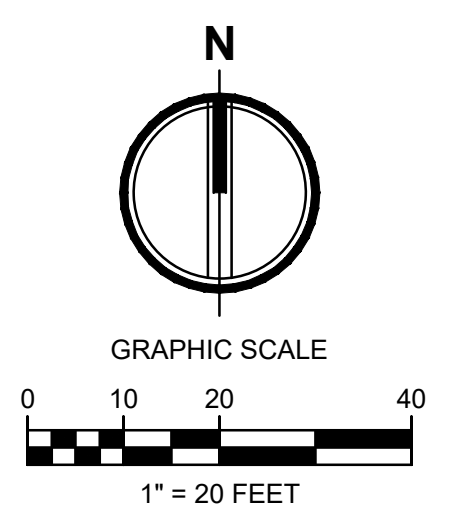
STRUCTURE NAME	STRUCTURE DETAILS
2 C4.3 CB 200 60" TYPE 2 N 670112.48 E 1199122.16	RIM = 537.15 IE = 527.90 (36" W) IE = 527.90 (12" N)
5 C4.6 CB 201 48" TYPE 2 N 670144.59 E 1199123.13	RIM = 535.11 IE = 527.73 (12" S) IE = 527.73 (12" NE) OVERBUILD EXIST
5 C4.6 CB 203 TYPE 1 W/ BEEHIVE GRATE N 670150.54 E 1199074.78	RIM = 533.45 IE = 531.15 (6" W) IE = 531.15 (6" S)
5 C4.6 CB 204 TYPE 1 W/ BEEHIVE GRATE N 670151.42 E 1199027.59	RIM = 534.43 IE = 531.44 (6" W) IE = 531.44 (6" E)
5 C4.6 CB 205 TYPE 1 W/ BEEHIVE GRATE N 670153.69 E 1199008.41	RIM = 534.77 IE = 531.64 (6" W) IE = 531.64 (6" E)
5 C4.6 CB 206 TYPE 1 W/ BEEHIVE GRATE N 670154.89 E 1198926.17	RIM = 535.33 IE = 531.75 (6" E)
5 C4.6 CB 207 TYPE 1 N 670044.74 E 1198898.60	RIM = 536.35 IE = 534.85 (6" SW)
STCB#1307 EXISTING TYPE 2 N 670151.61 E 1199138.26	RIM = 534.15 IE = 526.17 (12" SW) (NEW) IE = 525.20 (12" N) IE = 525.50 (8" SE) IE = 529.78 (8" S)

**GENERAL NOTES**

- SEE LANDSCAPE PLANS FOR ADDITIONAL SITE FEATURES.
- FOR BEDDING AND BACKFILL PIPE TRENCHES SEE DETAIL (5) C4.2
- ALL STORM PIPE SHALL BE LINED CORRUGATED POLYETHYLENE PIPE UNLESS OTHERWISE NOTED.
- SPOT ELEVATIONS AND CONTOURING SHOWN REPRESENT FINISH GRADE ELEVATIONS. SUBGRADE ELEVATIONS WILL VARY DEPENDING UPON TYPE OF SURFACING REQUIRED. REFER TO SPECIFICATIONS FOR TOPSOIL AND MULCH DEPTHS.
- CONTRACTOR SHALL VERIFY ALL EXISTING AND PROPOSED GRADES PRIOR TO CONSTRUCTION ACTIVITIES. CONTACT ENGINEER IF PROPOSED GRADES ARE BELIEVED TO BE IN ERROR.
- FINISHED GRADES ARE INDICATED. CONTRACTOR SHALL EXCAVATE AND FILL TO ACHIEVE PROPER SUBGRADES.
- ALL FILL MATERIALS SHALL BE PLACED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.
- ADJUST EXISTING UTILITY LIDS FOR FINISHED GRADE.
- IT IS ASSUMED ALL FL ELEVATIONS ARE ADJACENT TO A 0.5' CURB UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE TO STORMWATER FEATURES AND ENSURE NO PONDING OCCURS.
- FOR TYPE 1 CATCH BASINS, SEE DETAILS (1) C4.1 (2) C4.1
- FOR TYPE 2 CATCH BASINS, SEE DETAIL (4) C4.1

**NOTES**

- SEE STORMWATER NOTES ON THIS SHEET AND SHEET C4.1.
- INTENT OF STORMWATER DESIGN IS FOR STORMWATER TO SHEET FLOW NORTH INTO BIORETENTION SWALES.



**VICINITY MAP**  
SCALE: 1" = 400'



project\_ PUYALLUP CAMPUS PARKING EXPANSION FOR LOTS B AND C

client\_ PIERCE COLLEGE

location\_ PUYALLUP, WA

state project number\_ 2020-546(H-2-1)

Project No. 2012.000  
**LOT B GRADING AND STORM DRAINAGE PLAN**

issued\_ 15 FEB 23

revision\_

1	ADDENDUM #1	15 MAR 23
2	RECORD DRAWINGS	25 OCT 23
3	RECORD DRAWINGS	17 JAN 24

drawn\_ F Katona

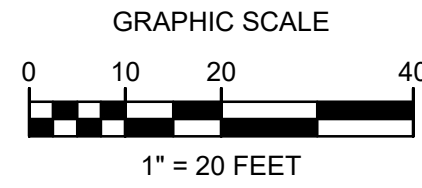
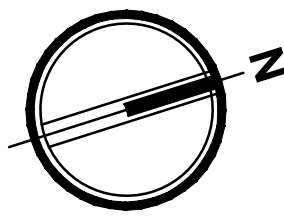
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sheet\_ **C2.3**

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### BASIN AREAS

EXISTING IMPERVIOUS	PROPOSED IMPERVIOUS
0.05 AC	0.14 AC

### LEGEND

BC	BOTTOM OF CURB ELEVATION
EG	EXISTING GRADE ELEVATION
FG	FINISHED GRADE ELEVATION
FL	FLOW LINE ELEVATION
-X.X% OR X.X%	GRADE/SLOPE
---XXX---	EXISTING MAJOR CONTOUR
---XXX---	EXISTING MINOR CONTOUR
---XXX---	PROPOSED MAJOR CONTOUR
---XXX---	PROPOSED MINOR CONTOUR
---	GRADE BREAK
●	STORM DRAINAGE MANHOLE - TYPE 2
■	CATCH BASIN - TYPE I
○	STORM DRAINAGE CLEANOUT
—D—	STORM DRAINAGE PIPING
○	POND AND BIORETENTION OUTLINE

### NOTES

- SEE STORMWATER NOTES ON SHEET C2.3 AND C4.1

### UTILITY CROSSINGS

①	6" DI STORM	IE= 531.96
	12" CPP STORM	TOP= 531.75
	CLEARANCE	= 0.21'

### APPROVED

BY \_\_\_\_\_  
CITY OF PUYALLUP  
DEVELOPMENT ENGINEERING

DATE \_\_\_\_\_

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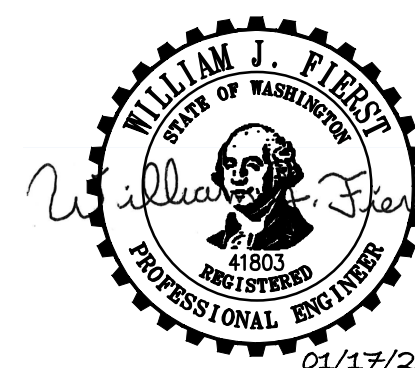
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architect\_  
MGRANAHAN ARCHITECTS

civil engineer\_  
AHBL

landscape design\_  
AHBL

electrical engineer\_  
HARGIS ENGINEERS



project\_  
PUYALLUP CAMPUS PARKING  
EXPANSION FOR LOTS B AND C

client\_  
PIERCE COLLEGE

location\_  
PUYALLUP, WA

state project number\_  
2020-546H(2-1)

Project No. 2012.000

**LOT C GRADING  
AND STORM  
DRAINAGE PLAN**

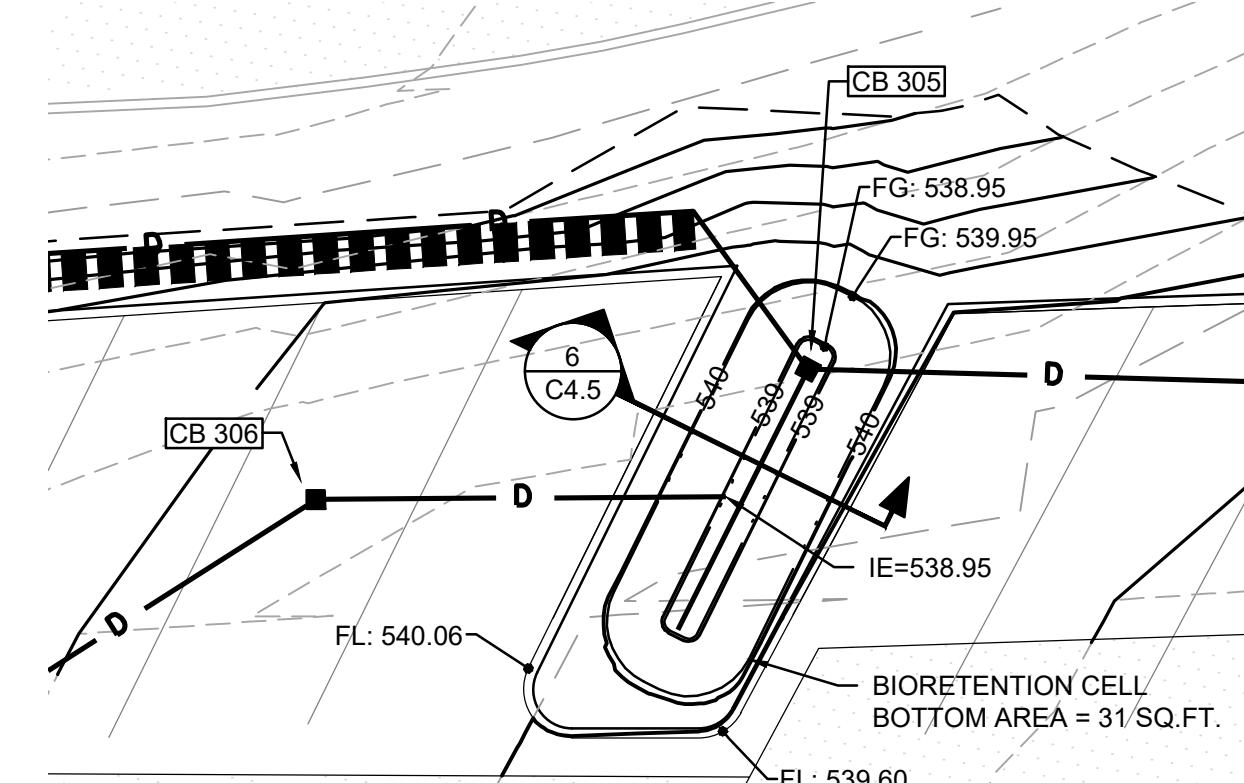
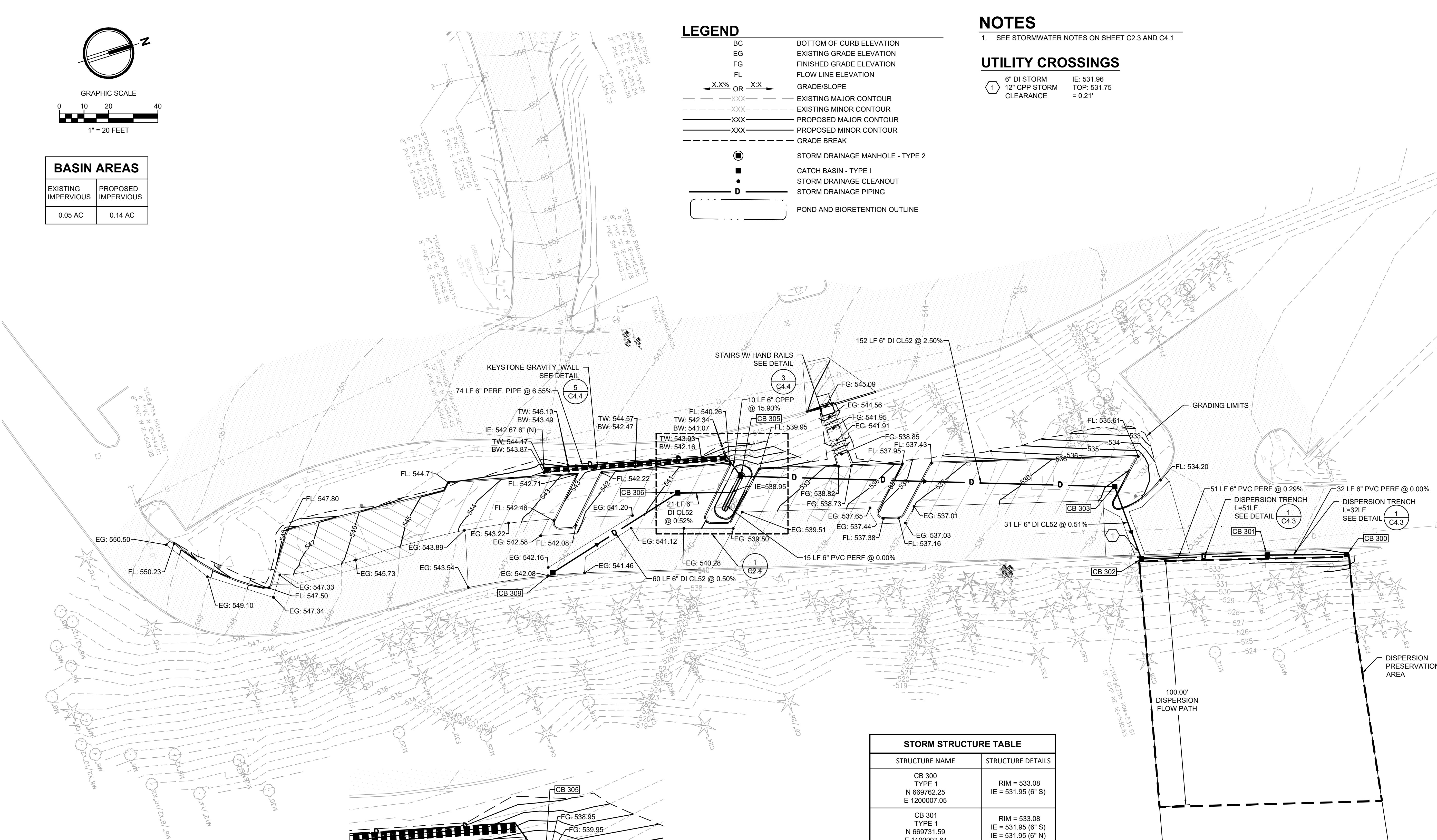
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F Katona

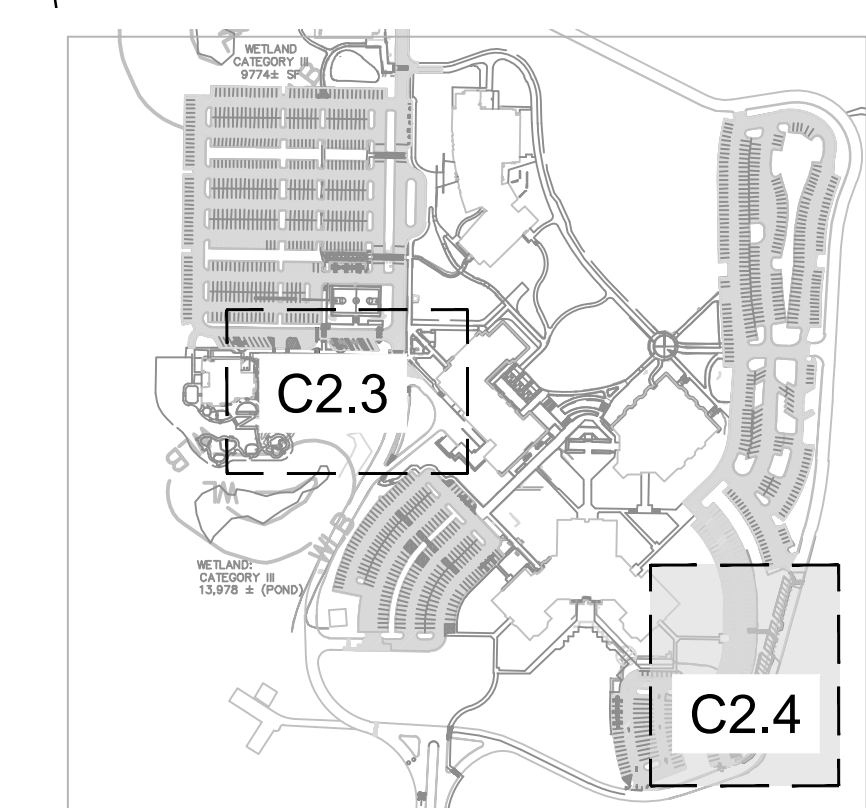
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sheet\_  
**C2.4**



**1 BIORETENTION GRADING DETAIL**  
SCALE: 1" = 10'

STORM STRUCTURE TABLE	
STRUCTURE NAME	STRUCTURE DETAILS
CB 300 TYPE 1 N 669762.25 E 1200007.05	RIM = 533.08 IE = 531.95 (6" S)
CB 301 TYPE 1 N 669731.59 E 1199997.61	RIM = 533.08 IE = 531.95 (6" S) IE = 531.95 (6" N)
CB 302 TYPE 1 N 669682.39 E 1199983.64	RIM = 534.57 IE = 532.25 (6" W) IE = 532.10 (6" N)
CB 303 TYPE 1 W/ SOLID LOCKING LID N 669680.90 E 1199952.41	RIM = 535.12 IE = 532.41 (6" S) IE = 532.41 (6" E)
CB 305 TYPE 1 W/ BEEHIVE GRATE N 669537.53 E 1199902.55	RIM = 539.45 IE = 536.20 (6" SE) IE = 536.20 (6" N) IE = 536.20 (6" W)
CB 306 TYPE 1 W/ SOLID LOCKING LID N 669511.05 E 1199901.28	RIM = 540.72 IE = 539.06 (6" S) IE = 539.06 (6" N)
CB 309 TYPE 1 N 669452.99 E 1199916.83	RIM = 540.35 IE = 539.36 (6" N)



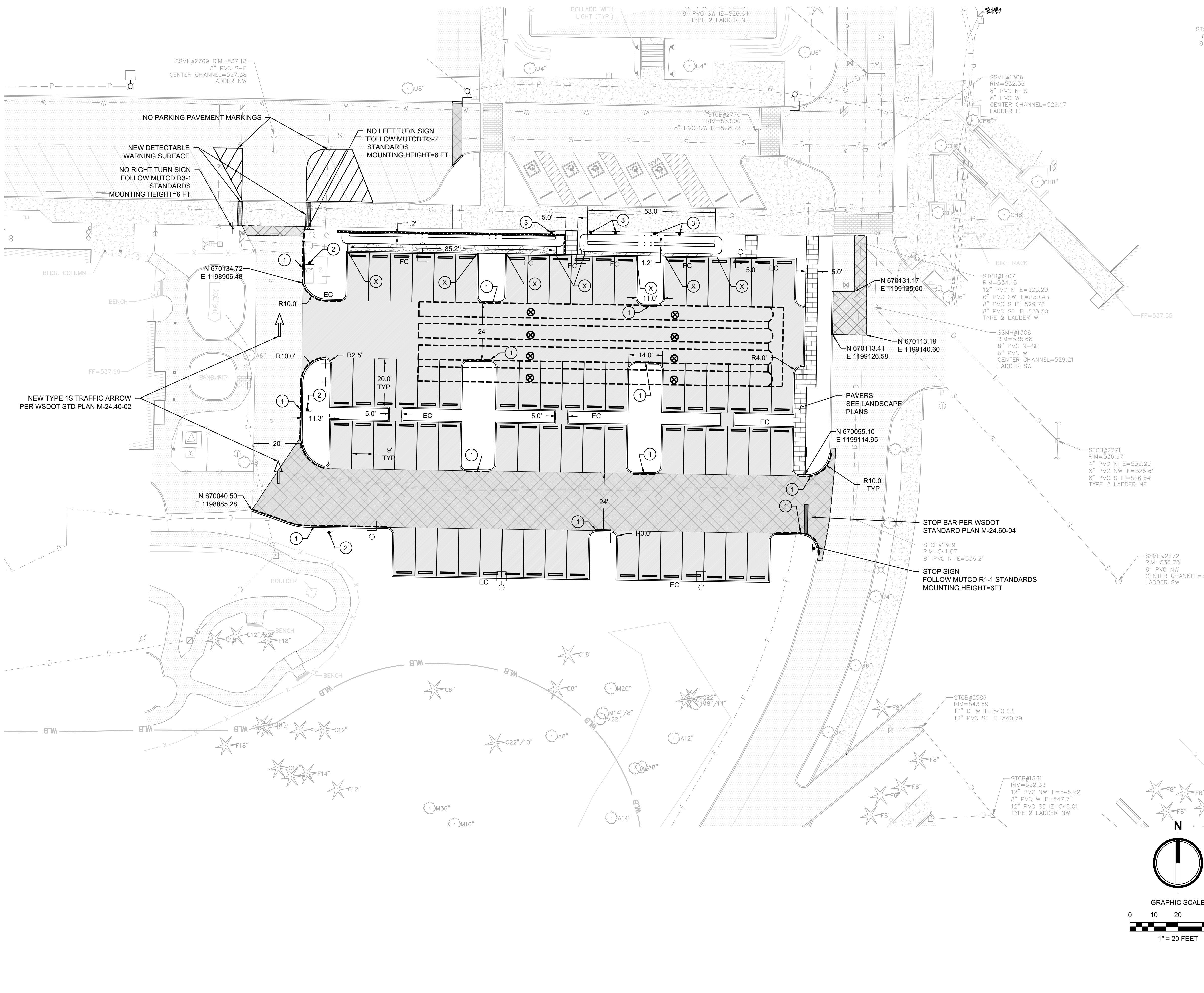
**VICINITY MAP**  
SCALE: 1" = 400'

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DATE: October 25, 2023 FILENAME: Q:\2020\2200718\10\_CIV\CAD\ PARKING LOT\ BidSet\2200718-SH-GRADE-DRAIN.dwg





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BY \_\_\_\_\_  
CITY OF PUYALLUP  
DEVELOPMENT ENGINEERING

DATE \_\_\_\_\_

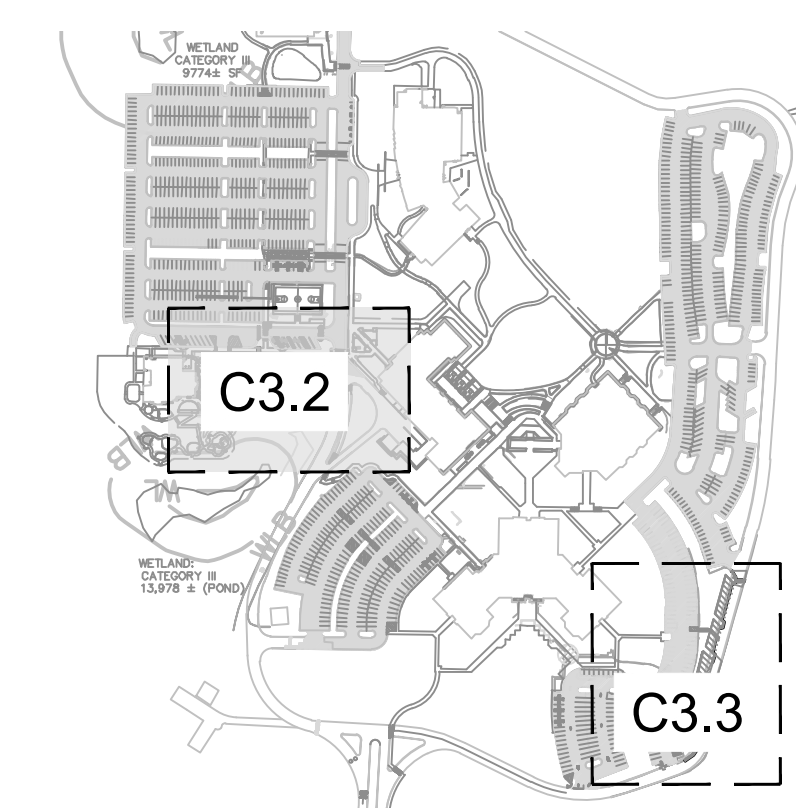
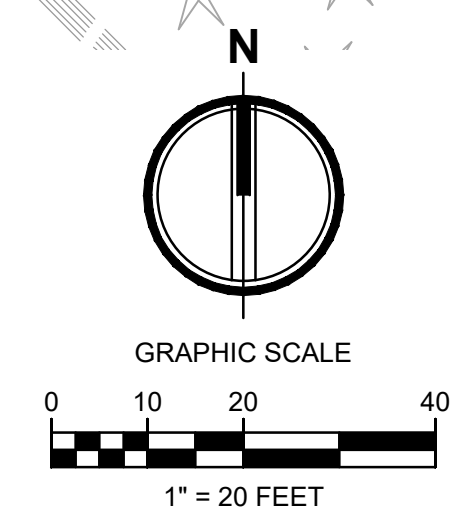
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- LEGEND:**
- ASPHALT PAVEMENT - STANDARD DUTY (2) C4.2
  - ASPHALT PAVEMENT - HEAVY DUTY (2) C4.2
  - CEMENT CONCRETE - STANDARD DUTY (3) C4.2
  - GRAVEL SURFACING (6) C4.2
  - CONCRETE PAVERS - REFER TO LANDSCAPE ARCHITECTS DRAWINGS.
  - CEMENT CONCRETE WHEEL STOP (4) C4.2
  - DETECTABLE WARNING SURFACE PER WSDOT STANDARD DETAIL F-45.10-02
  - CHANGE IN CURB TYPE / END CURB
  - CONCRETE EXTRUDED CURB (1) C4.2
  - FLUSH CURB

- KEYNOTES:**
- ① FIRE LANE MARKING PER (4) C4.6
  - ② NO PARKING SIGN; FOLLOW MUTCD R8-3 STANDARDS MOUNTING HEIGHT = 6FT
  - ③ REINSTALL SALVAGED ACCESSIBLE PARKING SIGNS

- NOTES**
- 1. ALL PAVING SHALL BE COMPLETE BY OCTOBER 1ST.
  - 2. PAVEMENT PATCHES PER (3) C4.1



mcb-arc

architect\_  
MGRANAHAN ARCHITECTS

civil engineer\_  
AHBL

landscape design\_  
AHBL

electrical engineer\_  
HARGIS ENGINEERS

project\_  
PUYALLUP CAMPUS PARKING  
EXPANSION FOR LOTS B AND C

client\_  
PIERCE COLLEGE

location\_  
PUYALLUP, WA

state project number\_  
2020-546H(2-1)

Project No. 2012.000

**LOT B PAVING  
AND HORIZONTAL  
CONTROL PLAN**

issued\_  
BID SET 15 FEB 23

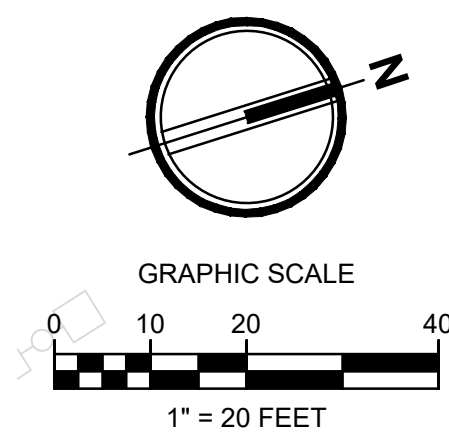
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F Katona

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**C3.2**





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DEVELOPMENT ENGINEERING

DATE \_\_\_\_\_

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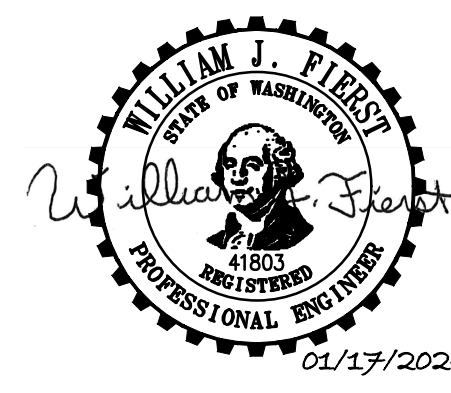
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civil engineer\_  
AHBL

landscape design\_  
AHBL

electrical engineer\_  
HARGIS ENGINEERS



project\_  
PUYALLUP CAMPUS PARKING  
EXPANSION FOR LOTS B AND C

client\_  
PIERCE COLLEGE

location\_  
PUYALLUP, WA

state project number\_  
2020-546H(2-1)

Project No. 2012.000  
**LOT C PAVING  
AND HORIZONTAL  
CONTROL PLAN**

issued\_  
BID SET 15 FEB 23

revision\_  
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sheet\_  
**C3.3**

**NOTES**

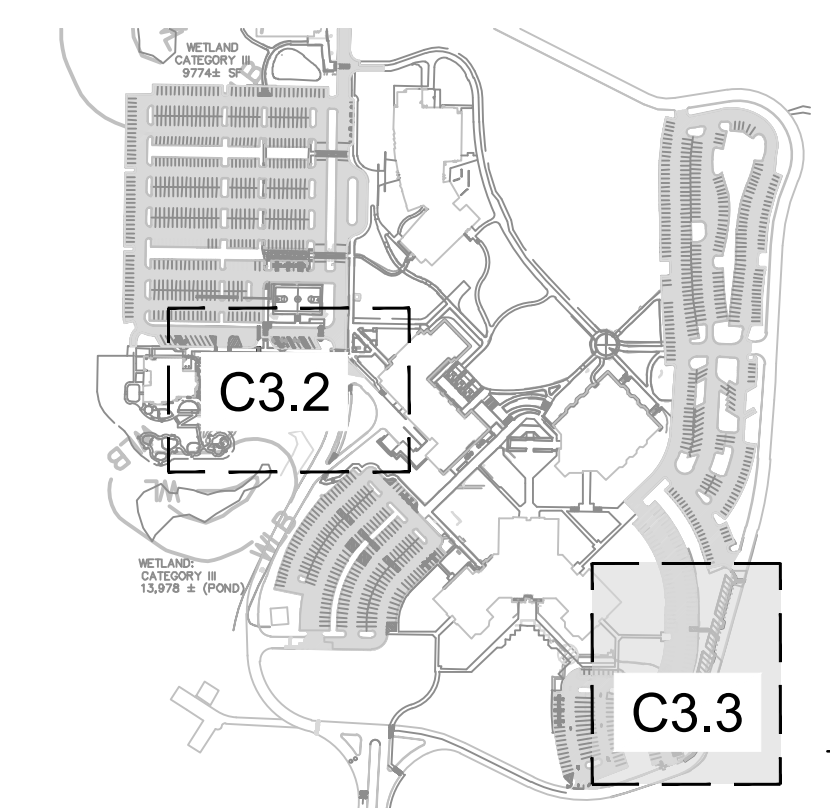
- ALL PAVING SHALL BE COMPLETE BY OCTOBER 1ST.
- PAVEMENT PATCHES PER  $\frac{3}{C4.1}$

**KEYNOTES:**

- FIRE LANE MARKING PER  $\frac{4}{C4.6}$
- NO PARKING SIGN; FOLLOW MUTCD R8-3 STANDARDS  
MOUNTAIN HEIGHT = 6FT

**LEGEND:**

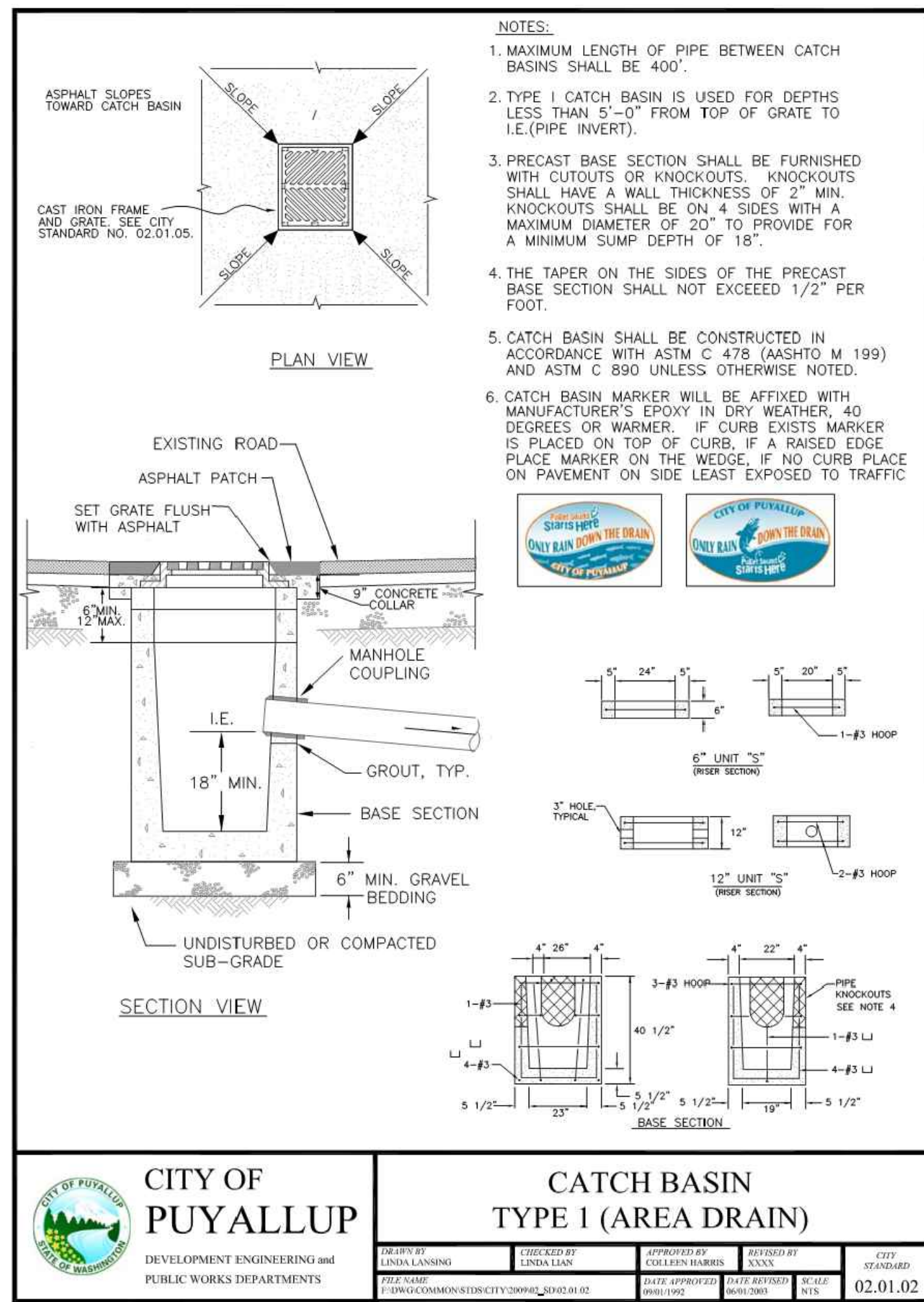
- ASPHALT PAVEMENT - STANDARD DUTY  $\frac{2}{C4.2}$
- ASPHALT PAVEMENT - HEAVY DUTY  $\frac{2}{C4.2}$
- CEMENT CONCRETE - STANDARD DUTY  $\frac{3}{C4.2}$
- GRAVEL SURFACING  $\frac{6}{C4.2}$
- CONCRETE PAVERS - REFER TO LANDSCAPE ARCHITECTS DRAWINGS.
- 2" GRIND AND OVERLAY EXISTING PAVEMENT
- CEMENT CONCRETE WHEEL STOP  $\frac{4}{C4.2}$
- CHANGE IN CURB TYPE / END CURB
- CONCRETE EXTRUDED CURB  $\frac{1}{C4.2}$
- NO CURB
- KEYSTONE GRAVITY WALL  $\frac{5}{C4.4}$



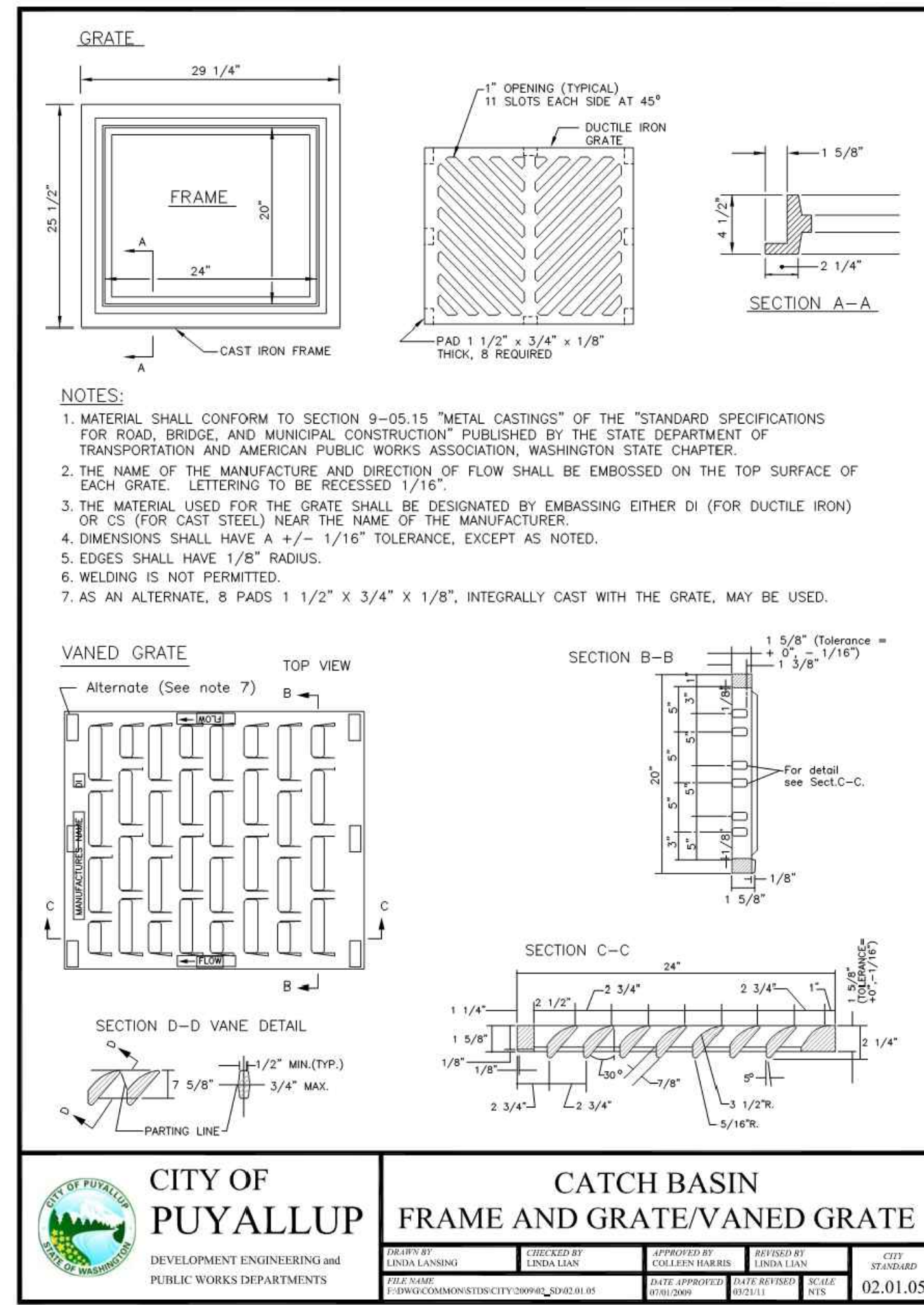
**VICINITY MAP**  
SCALE: 1" = 400'

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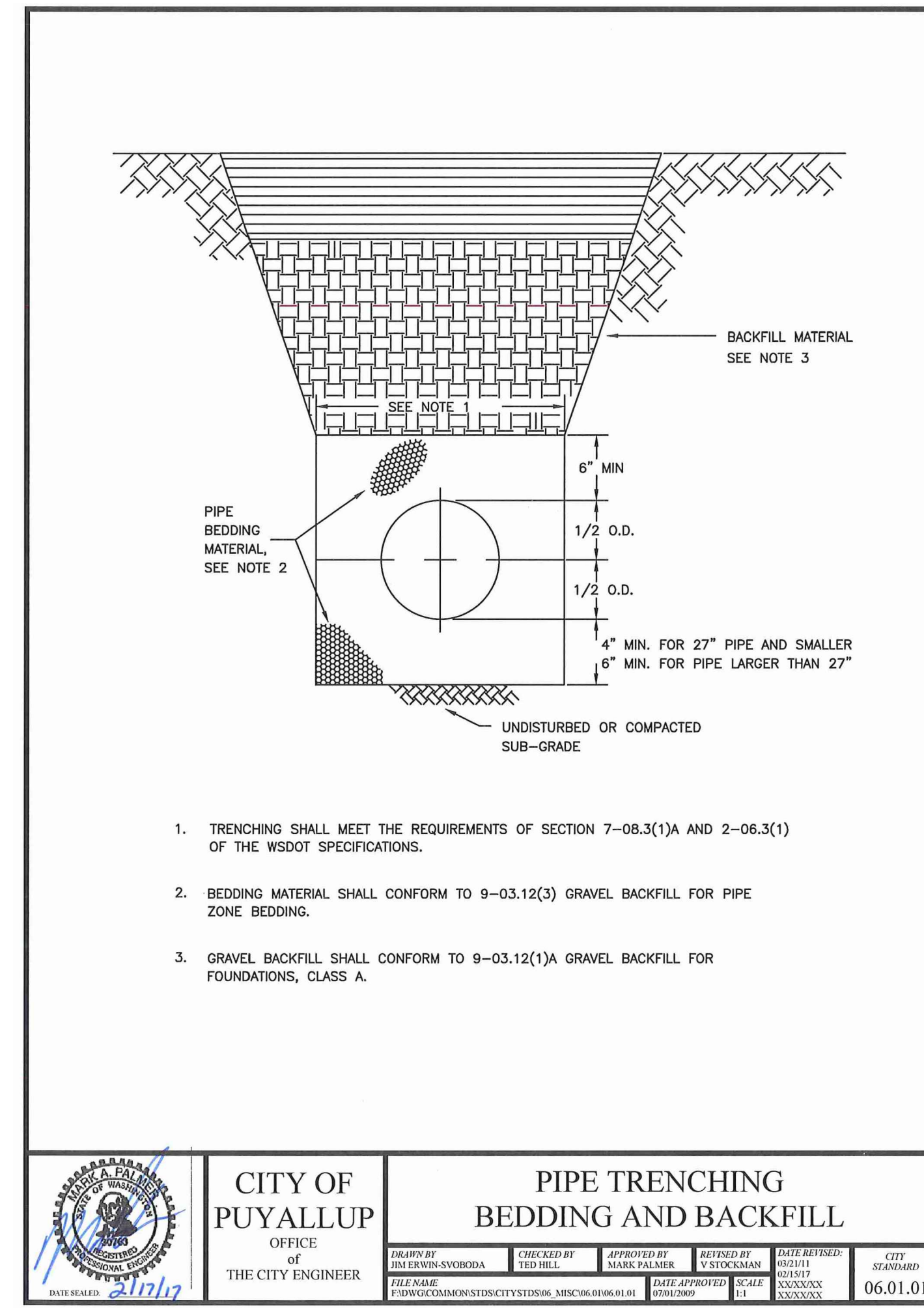




**1 CATCH BASIN TYPE 1**  
NOT TO SCALE



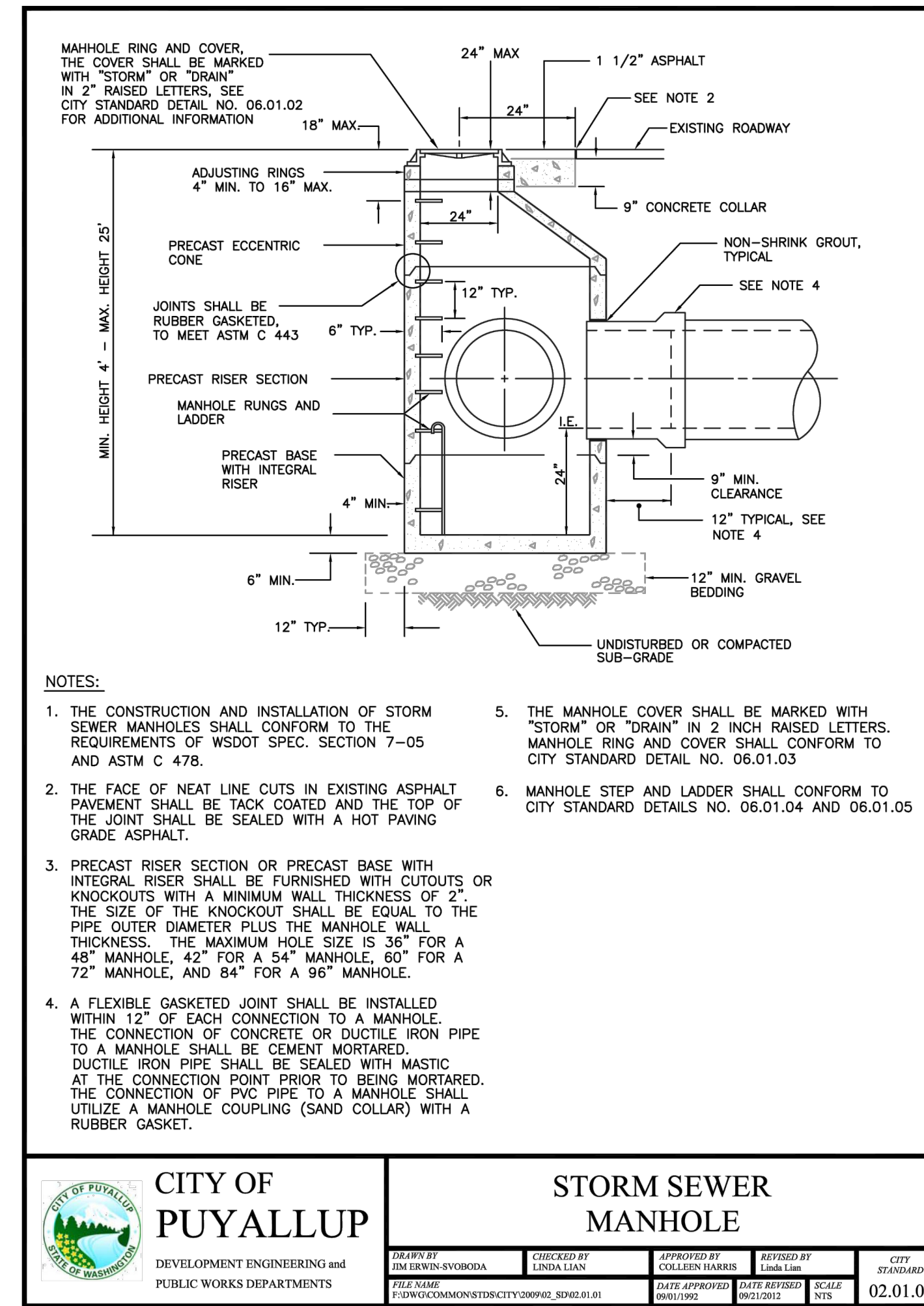
**2 CATCH BASIN FRAME AND GRATE**  
NOT TO SCALE



**3 PIPE TRENCHING BEDDING AND BACKFILL**  
NOT TO SCALE

**CITY OF PUYALLUP STORMWATER NOTES:**

- ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE CITY OF PUYALLUP. PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE ENGINEERING PLANS, REPRESENTATIVES FROM ALL APPLICABLE UTILITY COMPANIES, THE PROJECT OWNER AND APPROPRIATE CITY STAFF. CONTACT ENGINEERING SERVICES TO SCHEDULE THE MEETING (253) 841-5568. THE CONTRACTOR IS RESPONSIBLE TO HAVE THEIR OWN APPROVED SET OF PLANS AT THE MEETING.
- AFTER COMPLETION OF ALL ITEMS SHOWN ON THESE PLANS AND BEFORE ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL OBTAIN A "PUNCH LIST" PREPARED BY THE CITY'S INSPECTOR DETAILING REMAINING ITEMS OF WORK TO BE COMPLETED. ALL ITEMS OF WORK SHOWN ON THESE PLANS SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF THE WATER SYSTEM AND PROVISION OF SANITARY SEWER SERVICE.
- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "STANDARD SPECIFICATIONS"), WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER, LATEST EDITION, UNLESS SUPERSEDED OR AMENDED BY THE CITY OF PUYALLUP CITY STANDARDS FOR PUBLIC WORKS ENGINEERING AND CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "CITY STANDARDS").
- A COPY OF THESE APPROVED PLANS AND APPLICABLE CITY DEVELOPER SPECIFICATIONS AND DETAILS SHALL BE ON SITE DURING CONSTRUCTION.
- ANY REVISIONS MADE TO THESE PLANS MUST BE REVIEWED AND APPROVED BY THE DEVELOPER'S ENGINEER AND THE ENGINEERING SERVICES STAFF PRIOR TO ANY IMPLEMENTATION IN THE FIELD. THE CITY SHALL NOT BE RESPONSIBLE FOR ANY ERRORS AND/OR OMISSIONS ON THESE PLANS.
- THE CONTRACTOR SHALL HAVE ALL UTILITIES VERIFIED ON THE GROUND PRIOR TO ANY CONSTRUCTION. CALL (811) AT LEAST TWO WORKING DAYS IN ADVANCE. THE OWNER AND HIS/HER ENGINEER SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS.
- ANY STRUCTURE AND/OR OBSTRUCTION WHICH REQUIRE REMOVAL OR RELOCATION RELATING TO THIS PROJECT, SHALL BE DONE SO AT THE DEVELOPER'S EXPENSE.
- DURING CONSTRUCTION, ALL EXISTING AND NEWLY INSTALLED DRAINAGE STRUCTURES SHALL BE PROTECTED FROM SEDIMENTS.
- ALL STORM MANHOLES SHALL CONFORM TO CITY STANDARD DETAIL NO. 02.01.01. FLOW CONTROL MANHOLE/OIL WATER SEPARATOR SHALL CONFORM TO CITY STANDARD DETAIL NO. 02.01.06 AND 02.01.07.
- MANHOLE RING AND COVER SHALL CONFORM TO CITY STANDARD DETAIL 06.01.02.
- CATCH BASINS TYPE I SHALL CONFORM TO CITY STANDARD DETAIL NO.02.01.02 AND 02.01.03 AND SHALL BE USED ONLY FOR DEPTHS LESS THAN 5 FEET FROM TOP OF THE GRATE TO THE INVERT OF THE STORM PIPE.
- CATCH BASINS TYPE II SHALL CONFORM TO CITY STANDARD DETAIL NO.02.01.04 AND SHALL BE USED FOR DEPTHS GREATER THAN 5 FEET FROM TOP OF THE GRATE TO THE INVERT OF THE STORM PIPE.
- CAST IRON OR DUCTILE IRON FRAME AND GRATE SHALL CONFORM TO CITY STANDARD DETAIL NO.02.01.05. GRATE SHALL BE MARKED WITH "DRAINS TO STREAM". SOLID CATCH BASIN LIDS (SQUARE UNLESS NOTED AS ROUND) SHALL CONFORM TO WSDOT STANDARD PLAN B-30.20-04 (OLYMPIC FOUNDRY NO. SM60 OR EQUAL). VANED GRATES SHALL CONFORM TO WSDOT STANDARD PLAN B-30.30-03 (OLYMPIC FOUNDRY NO. SM60V OR EQUAL).
- STORMWATER PIPE SHALL BE ONLY PVC, CONCRETE, DUCTILE IRON, OR DUAL WALLED POLYPROPYLENE PIPE.
  - THE USE OF ANY OTHER TYPE SHALL BE REVIEWED AND APPROVED BY THE ENGINEERING SERVICES STAFF PRIOR TO INSTALLATION.
  - PVC PIPE SHALL BE PER ASTM D3034, SDR 35 FOR PIPE SIZE 15-INCH AND SMALLER AND F679 FOR PIPE SIZES 18 TO 27 INCH. MINIMUM COVER ON PVC PIPE SHALL BE 3.0 FEET.
  - CONCRETE PIPE SHALL CONFORM TO THE WSDOT STANDARD SPECIFICATIONS FOR CONCRETE UNDERDRAIN PIPE. MINIMUM COVER ON CONCRETE PIPE SHALL NOT LESS THAN 3.0 FEET.
  - DUCTILE IRON PIPE SHALL BE CLASS 50, CONFORMING TO AWWA C151. MINIMUM COVER ON DUCTILE IRON PIPE SHALL BE 1.0 FOOT.
  - POLYPROPYLENE PIPE (PP) SHALL BE DUAL WALLED, HAVE A SMOOTH INTERIOR AND EXTERIOR CORRUGATIONS AND MEET WSDOT 9-05.24(1). 12-INCH THROUGH 30-INCH PIPE SHALL MEET OR EXCEED ASTM F2736 AND AASHTO M330, TYPE S, OR TYPE D. 36-INCH THROUGH 60-INCH PIPE SHALL MEET OR EXCEED ASTM F2881 AND AASHTO M330, TYPE S, OR TYPE D. TESTING SHALL BE PER ASTM F1417. MINIMUM COVER OVER POLYPROPYLENE PIPE SHALL BE 3-FEET.
- TRENCHING, BEDDING, AND BACKFILL FOR PIPE SHALL CONFORM TO CITY STANDARD DETAIL NO. 06.01.01.
- STORM PIPE SHALL BE A MINIMUM OF 10 FEET AWAY FROM BUILDING FOUNDATIONS AND/OR ROOF LINES.
- ALL STORM DRAIN MAINS SHALL BE TESTED AND INSPECTED FOR ACCEPTANCE AS OUTLINED IN SECTION 406 OF THE CITY OF PUYALLUP SANITARY SEWER SYSTEM STANDARDS.
- ALL TEMPORARY SEDIMENTATION AND EROSION CONTROL MEASURES, AND PROTECTIVE MEASURES FOR CRITICAL AREAS AND SIGNIFICANT TREES SHALL BE INSTALLED PRIOR TO INITIATING ANY CONSTRUCTION ACTIVITIES.



**4 CATCH BASIN TYPE 2**  
NOT TO SCALE

**APPROVED**

BY \_\_\_\_\_  
CITY OF PUYALLUP  
DEVELOPMENT ENGINEERING

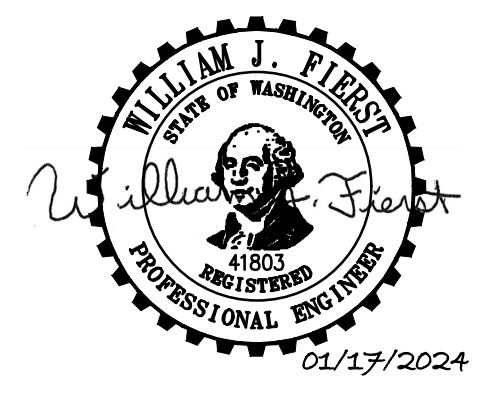
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mcb-ARC

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civil engineer\_ AHBL  
landscape design\_ AHBL  
electrical engineer\_ HARGIS ENGINEERS



project\_ PUYALLUP CAMPUS PARKING EXPANSION FOR LOTS B AND C  
client\_ PIERCE COLLEGE  
location\_ PUYALLUP, WA  
state project number\_ 2020-546H(2-1)

Project No. 2012.000  
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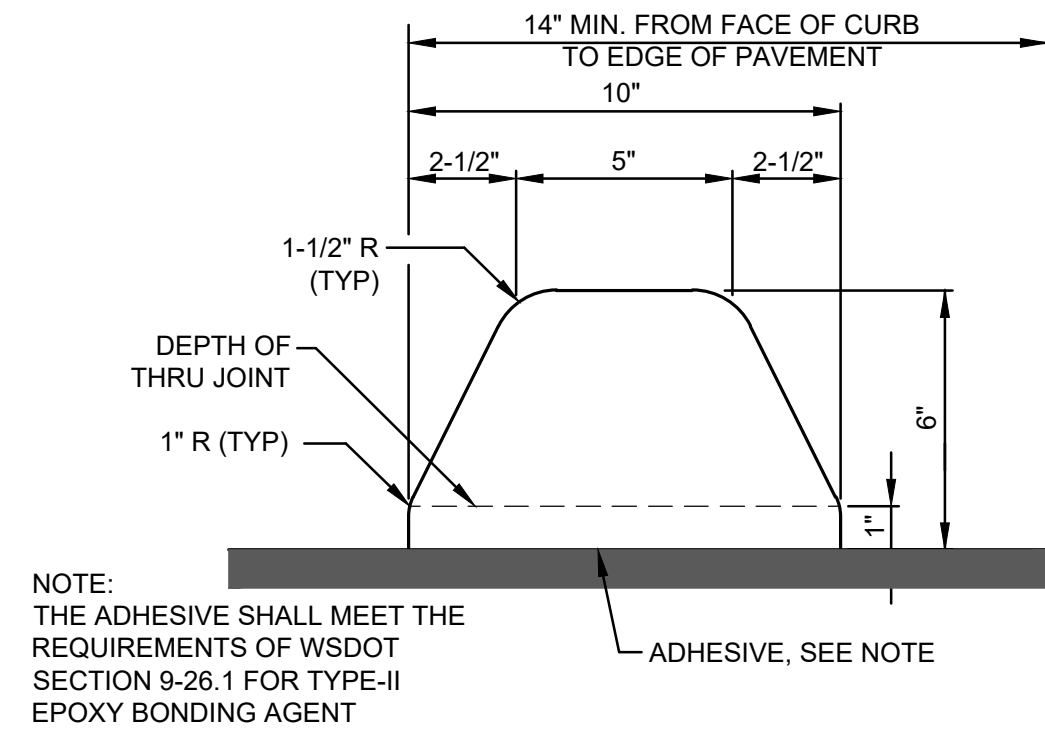
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drawn\_ F Katona  
checked\_ W Fierst

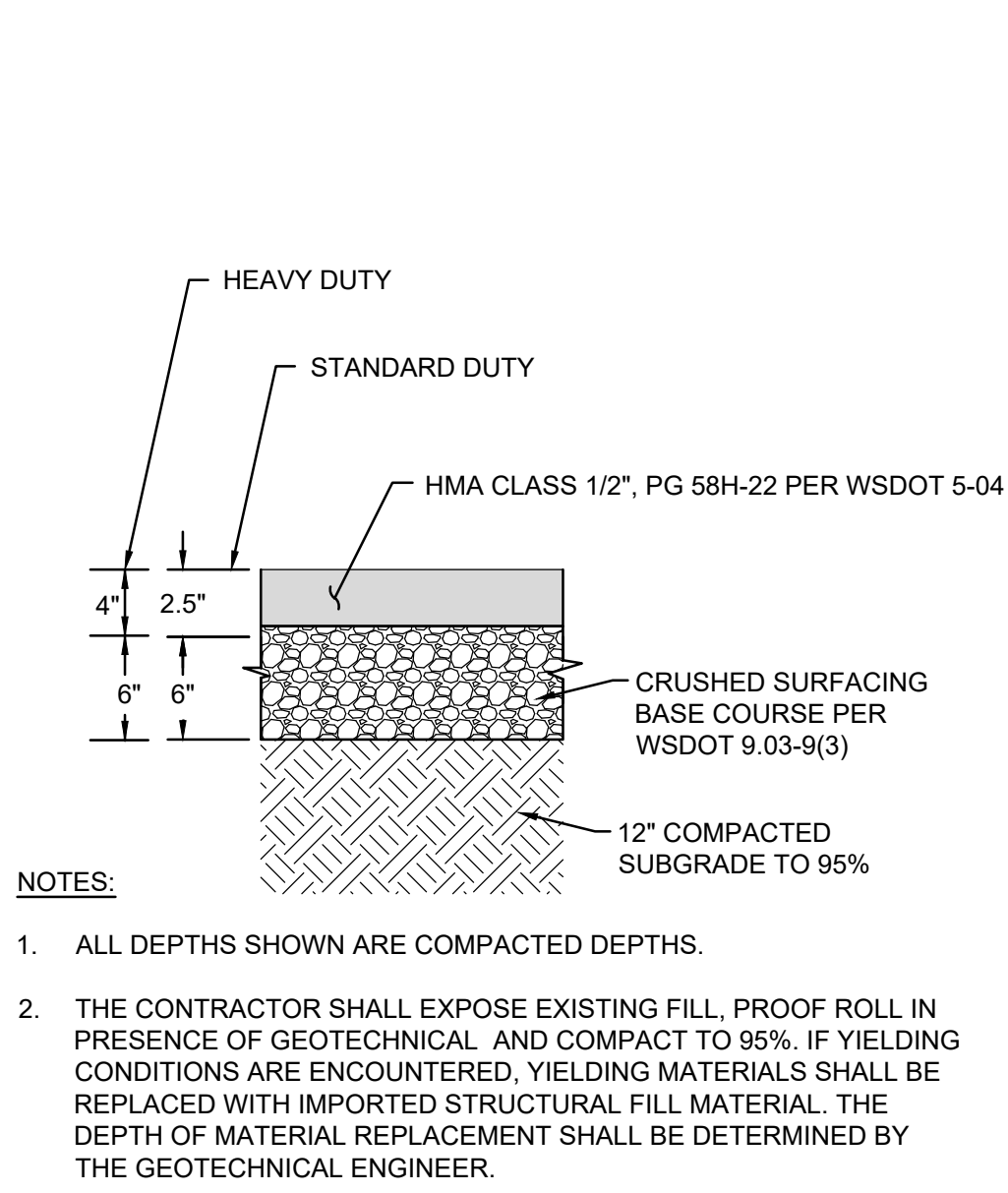
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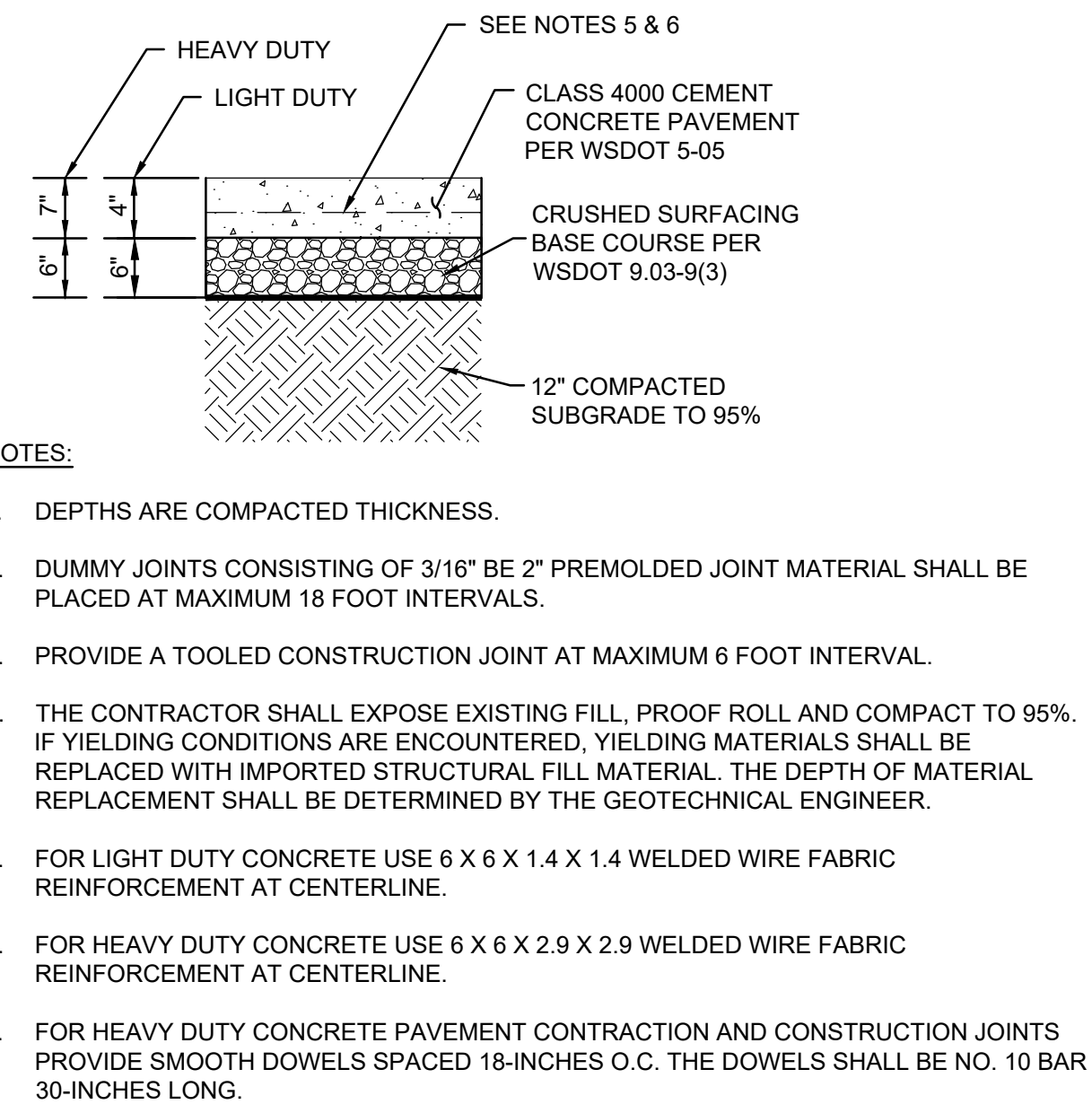




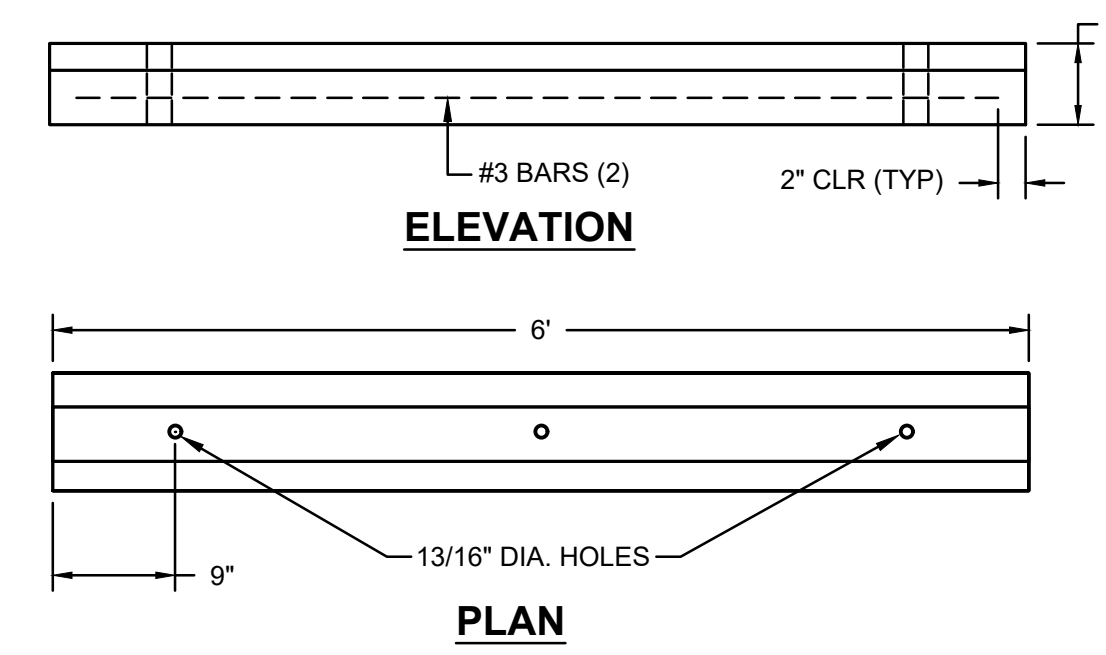
**1 EXTRUDED CURB**  
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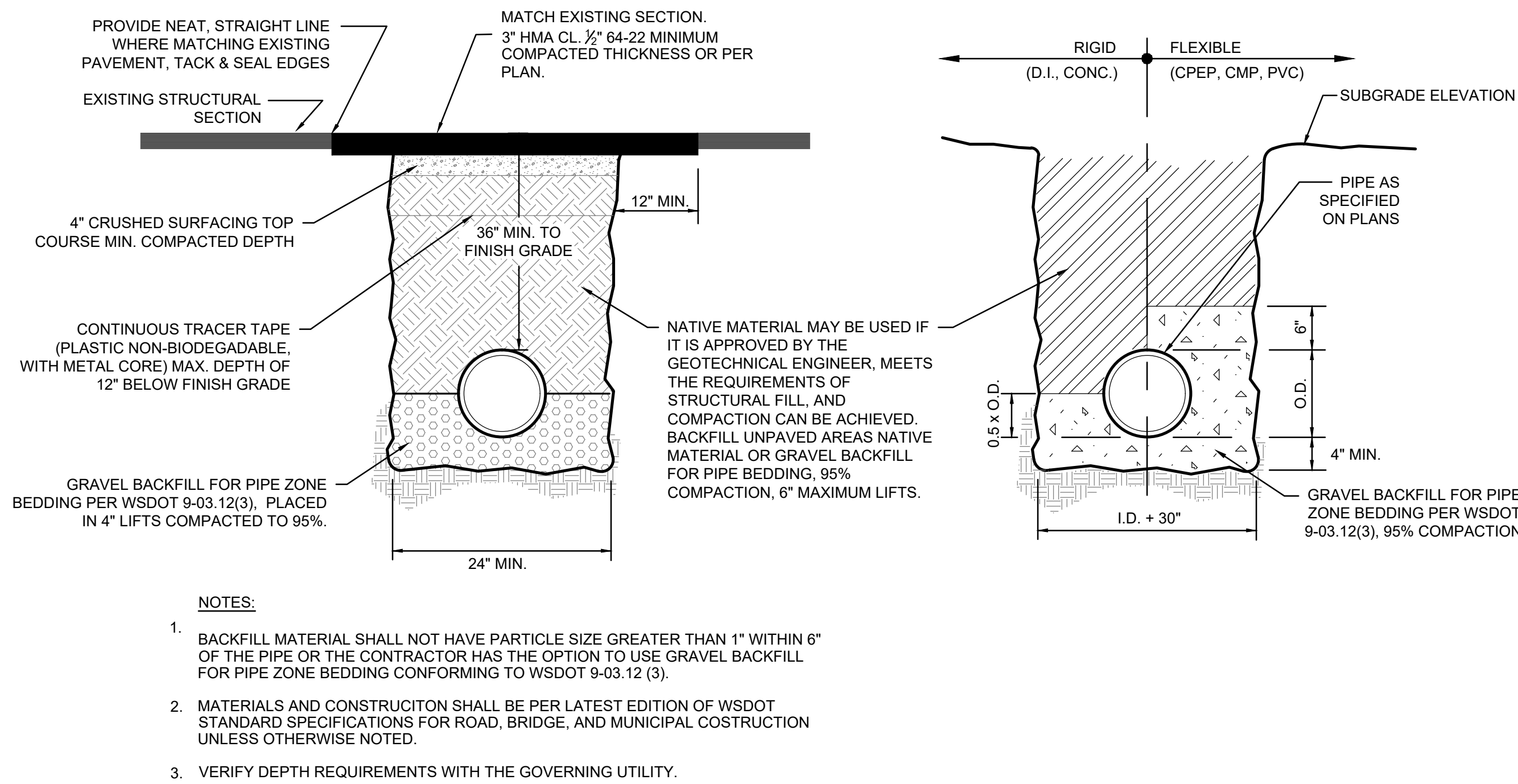
**2 ASPHALT SECTION**  
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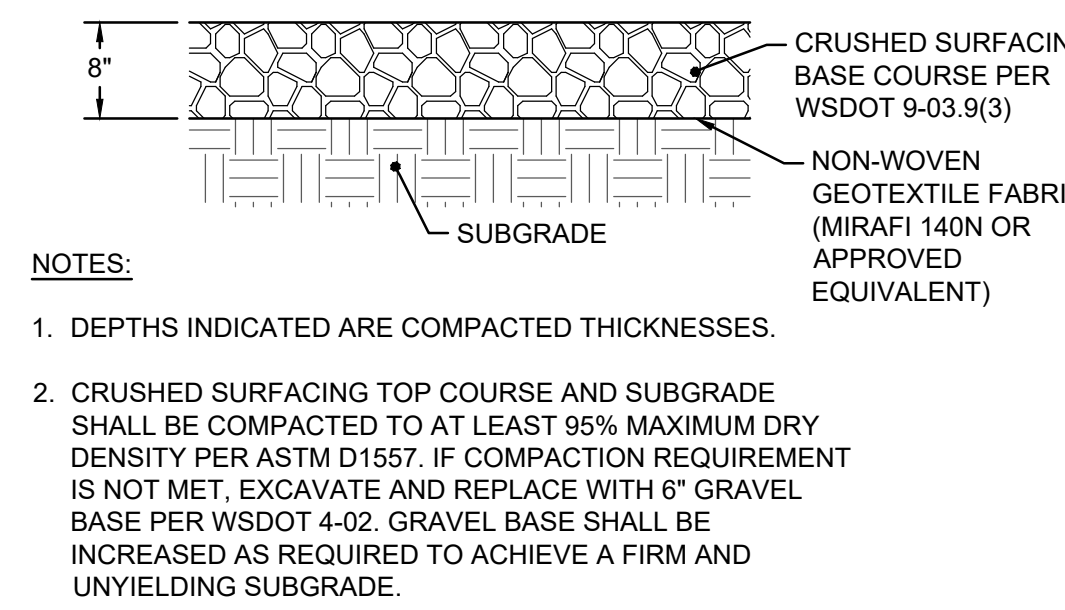
**3 CONCRETE SECTION**  
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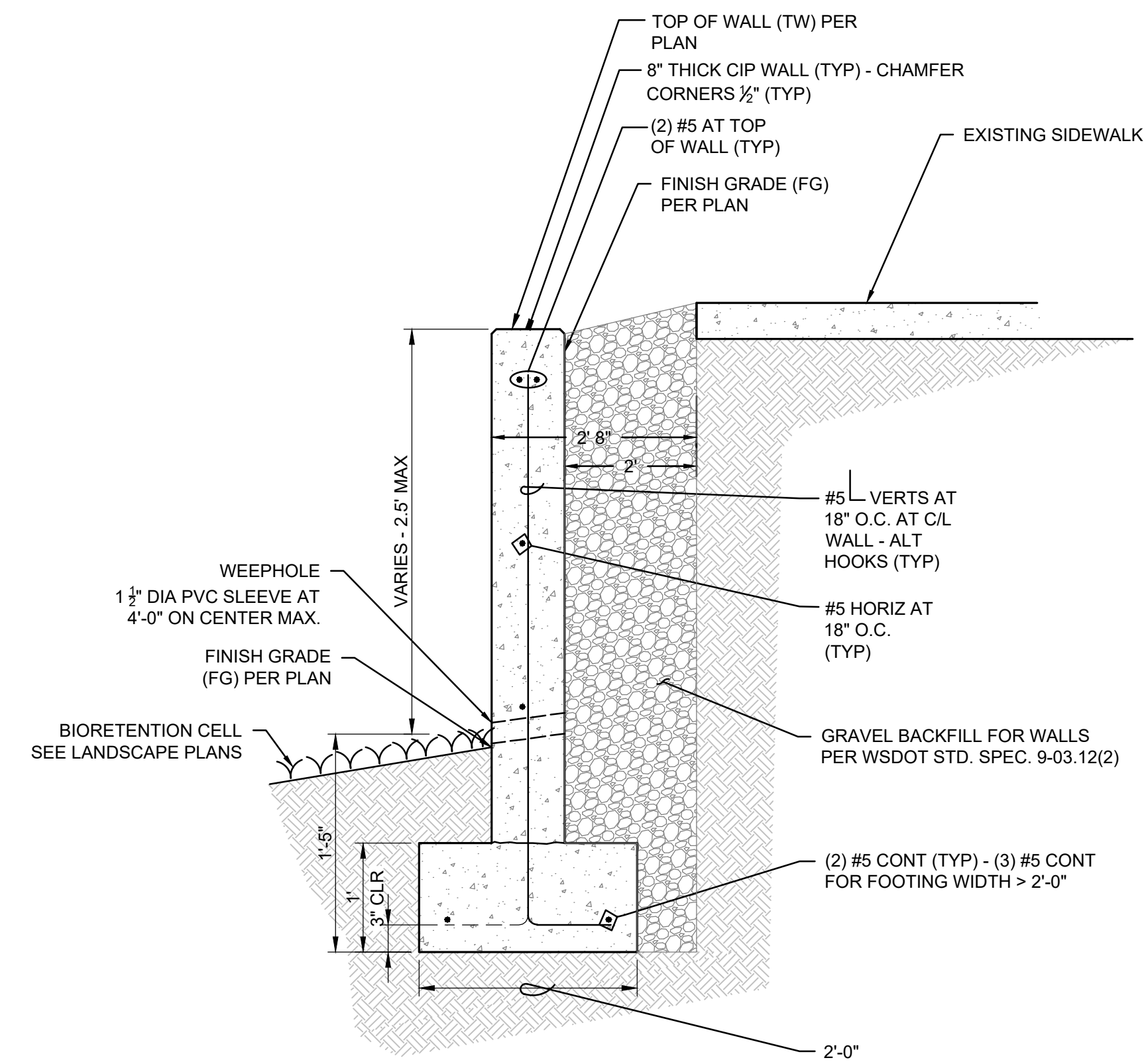
**4 WHEEL STOP**  
NOT TO SCALE



**5 TRENCH SECTION**  
NOT TO SCALE



**6 GRAVEL SECTION**  
NOT TO SCALE

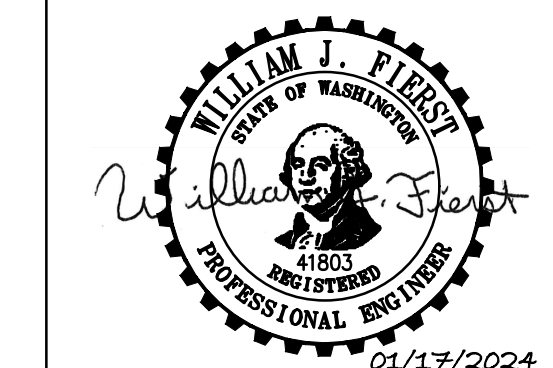


**7 CAST IN PLACE WALL**  
NOT TO SCALE

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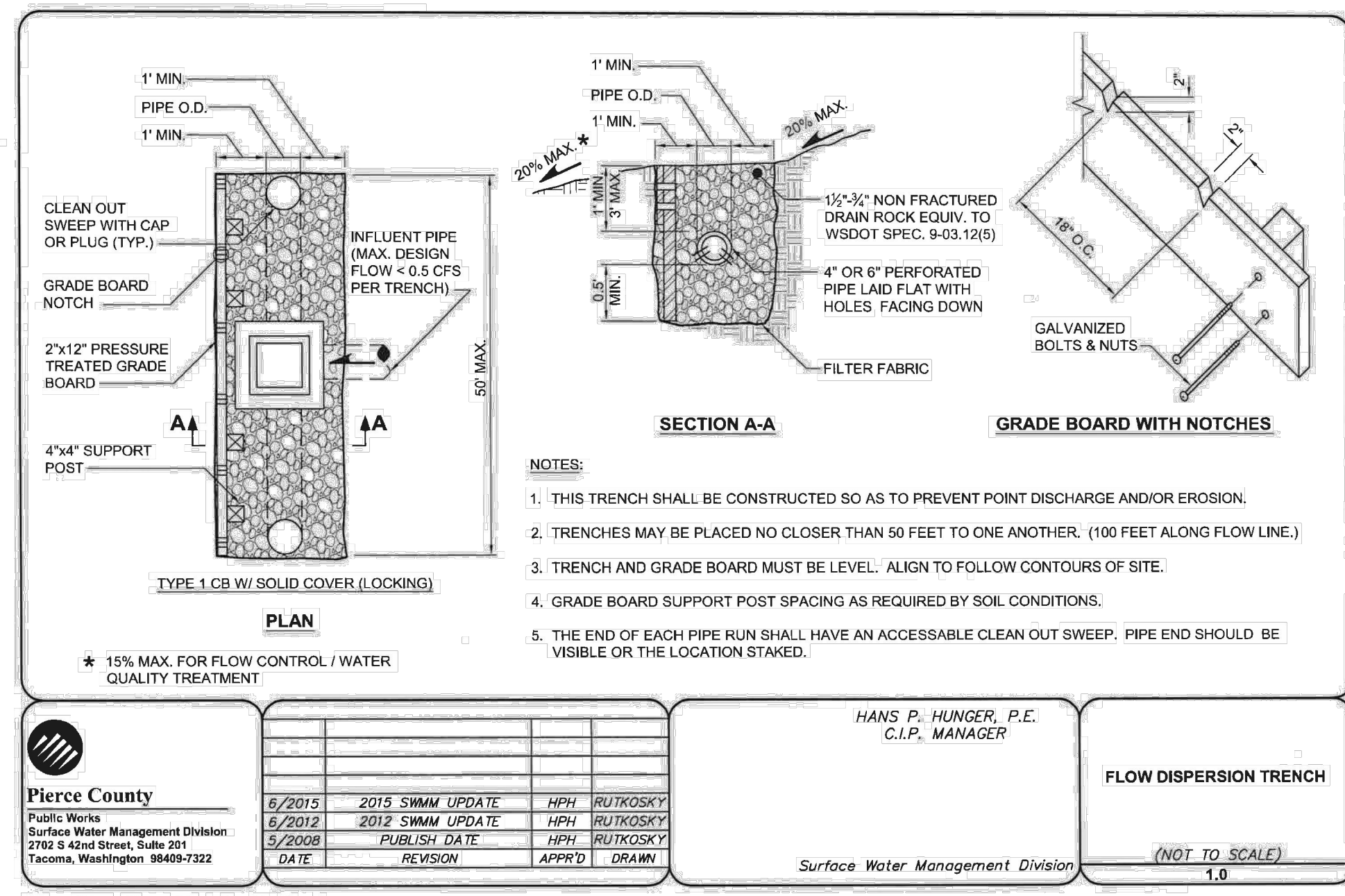
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drawn\_ F Katona  
checked\_ W Fierst

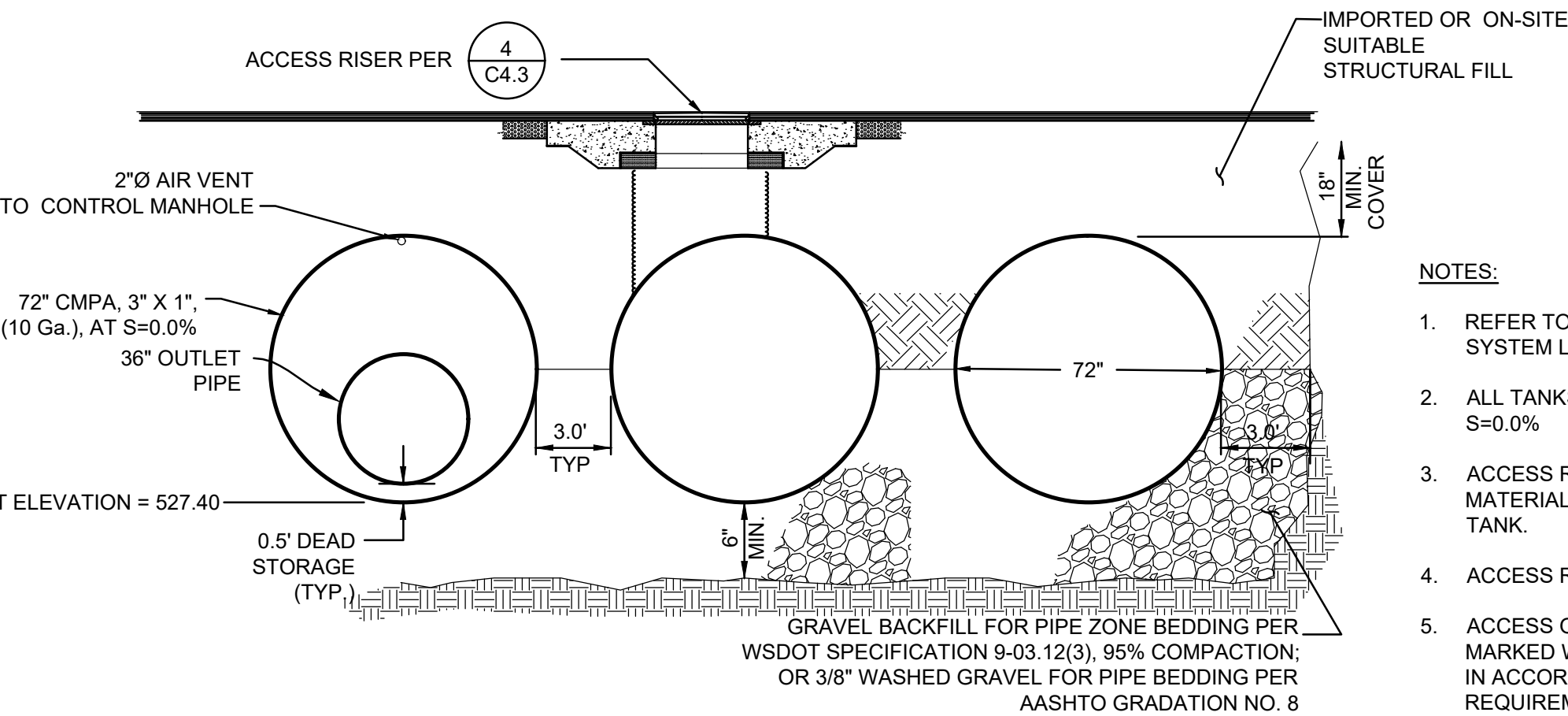
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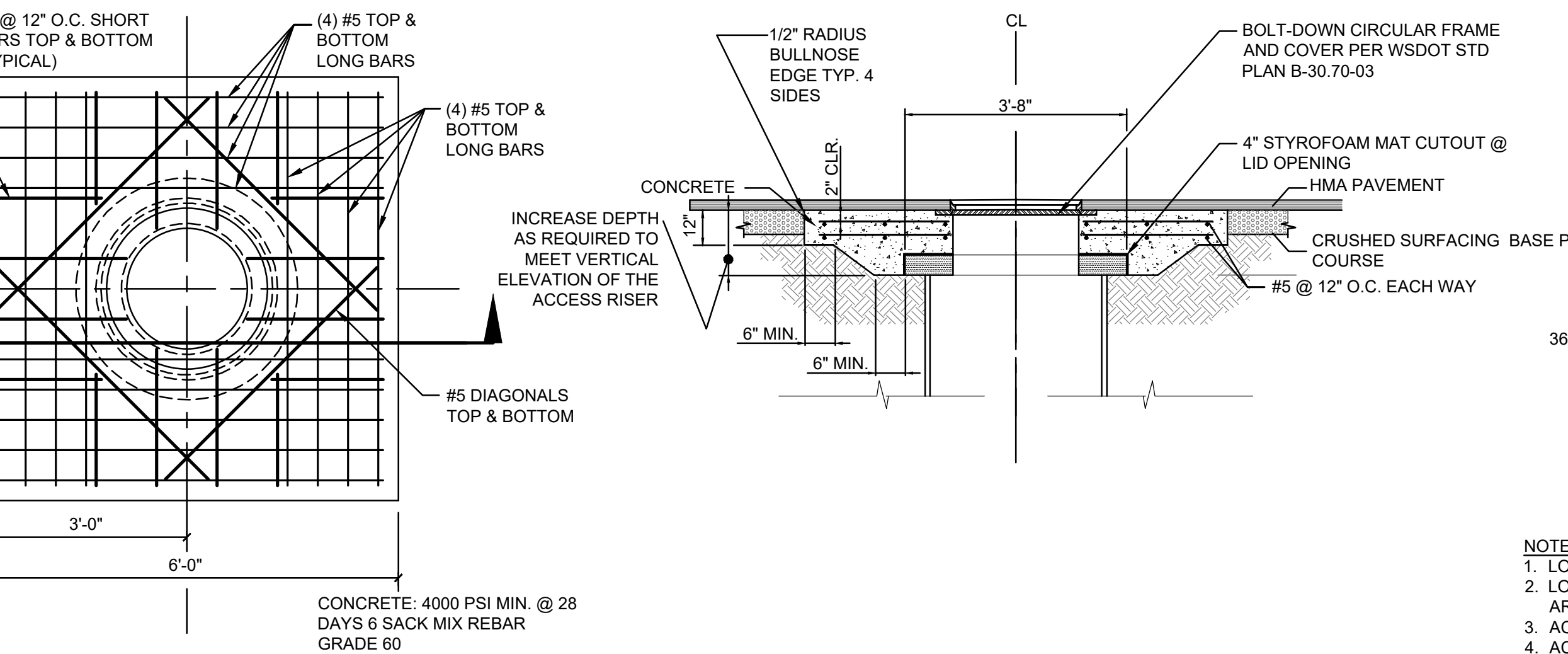




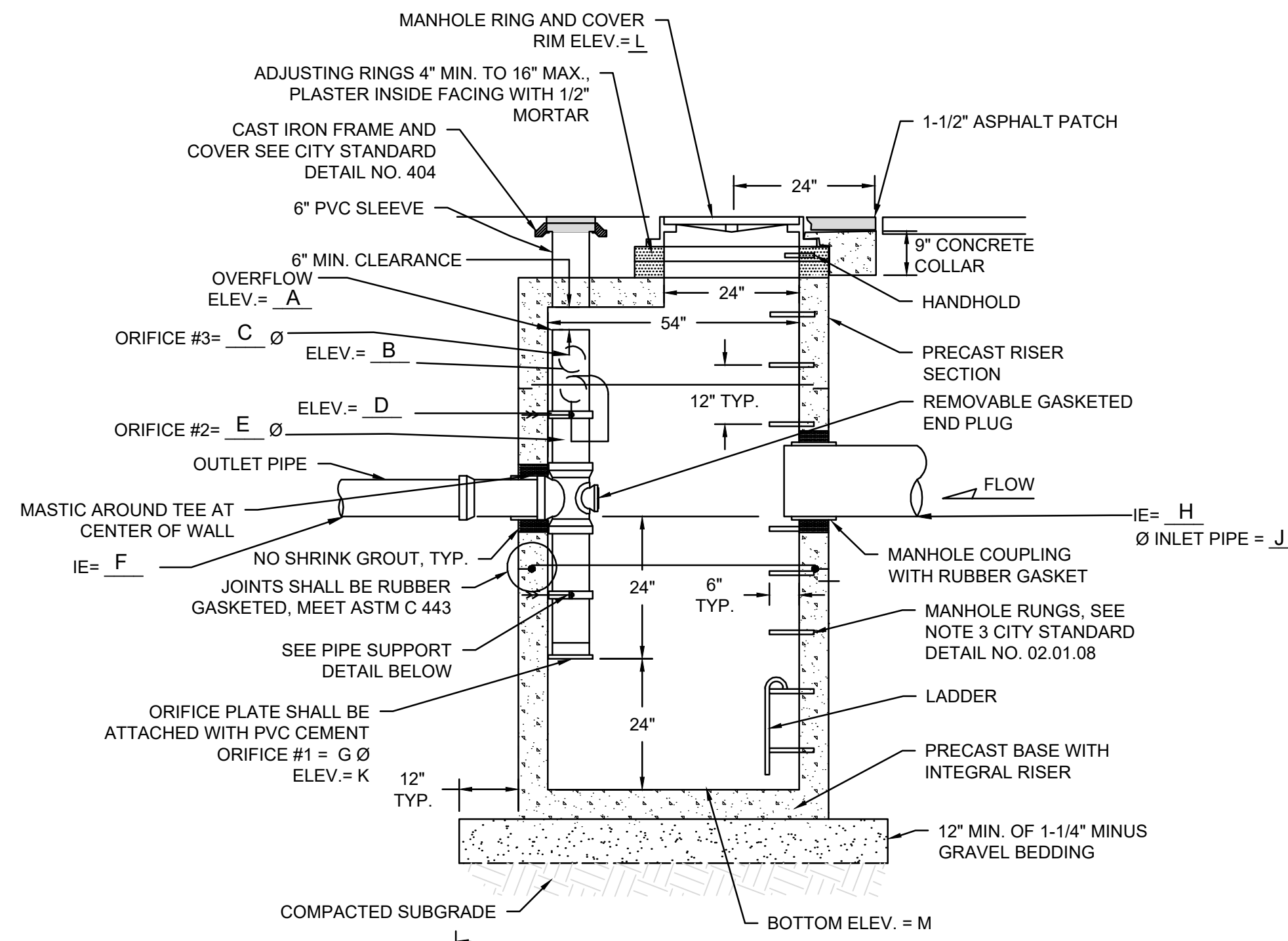
**1 DISPERSION TRENCH**  
NOT TO SCALE



**3 LOT B DETENTION PIPE SECTION**  
NOT TO SCALE



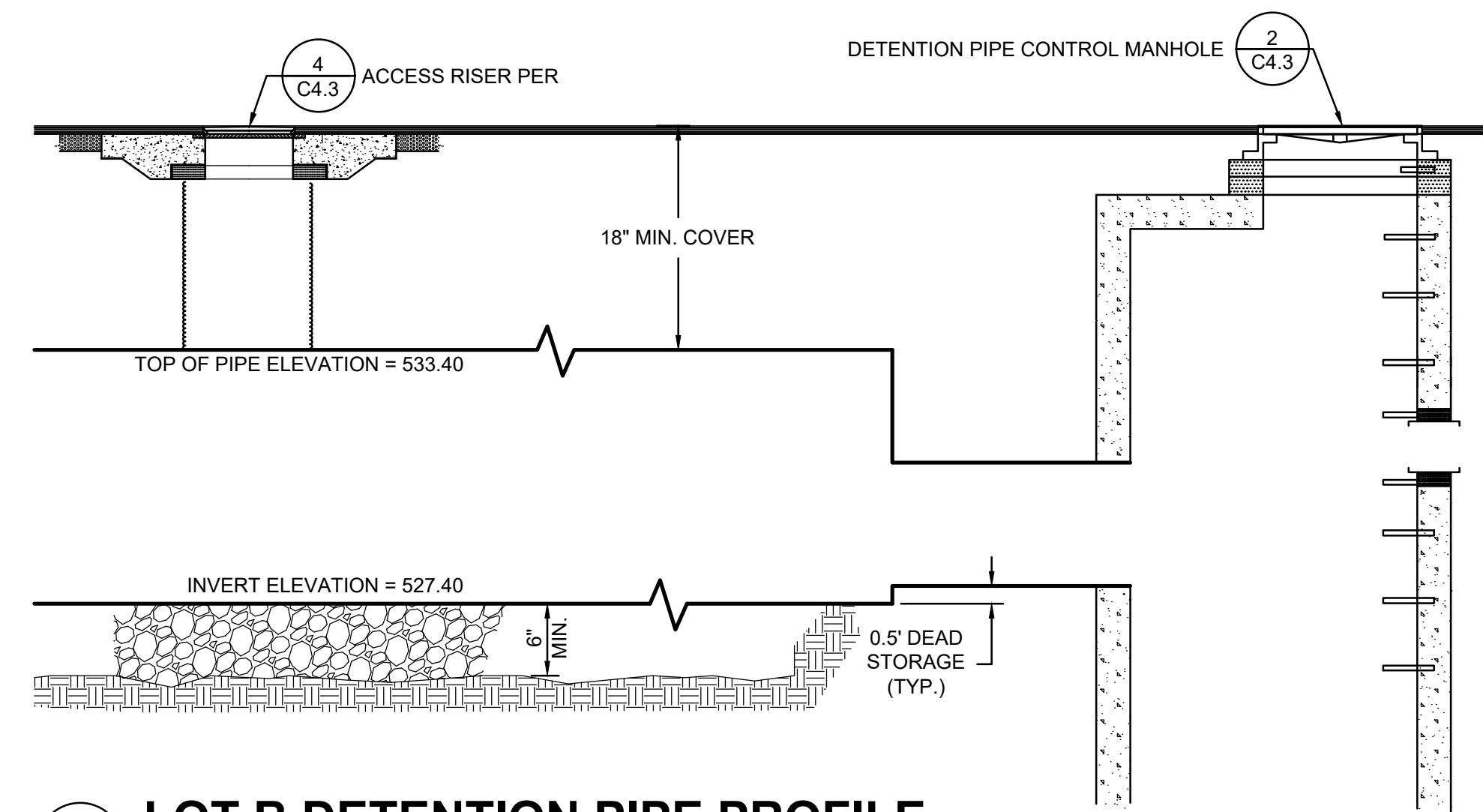
**4 DETENTION PIPE ACCESS RISER DETAIL**  
NOT TO SCALE



**2 DETENTION PIPE CONTROL MANHOLE**  
NOT TO SCALE

- NOTES:**
- NEAT LINE CUTS SHALL BE AT TOP WITH A HOT PAVING GRADE ASPHALT AND FACE OF CUT TACKED.
  - FLOW CONTROL MANHOLES SHALL BE USED AS A SINGLE USE STRUCTURE.
  - MANHOLE RUNG SHALL CONFORM TO SECTION R, ASTM C 478 (ASSHTO M-199) AND MEET ALL WISHA REQUIREMENTS. MANHOLE RUNGS SHALL BE PARALLEL OR APPROXIMATELY RADIAL AT THE OPTION OF THE MANUFACTURER, EXCEPT THAT ALL STEPS IN ANY MANHOLE SHALL BE SIMILAR. PENETRATION OF OUTER WALL BY A RUNG LEF IS PROHIBITED. SEE MANHOLE STEP AND LADDER DETAIL, CITY STANDARD DETAIL NO. 06.01.04.
  - PRECAST RISER SECTION SHALL BE FURNISHED WITH CUTOUTS OR KNOCKOUTS. KNOCKOUT SHALL HAVE WALL THICKNESS OF TWO (2) INCHES MINIMUM. KNOCKOUTS OR CUTOUT HOLE SIZE IS EQUAL TO PIPE OUTER DIAMETER PLUS MANHOLE WALL THICKNESS. MINIMUM DISTANCE BETWEEN HOLES IS EIGHT (8) INCHES.
  - PRECAST CONCRETE MANHOLE COMPONENTS SHALL CONFORM TO ASTM C 478.
  - FLEXIBLE JOINTS SHALL BE RUBBER GASKETED IN ACCORDANCE WITH THE WSDOT STANDARD SPECIFICATIONS. MORTARED, DRY-PACKED, OR CAST-IN-PLACE JOINTS WILL BE PERMITTED FOR CONNECTIONS TO OR THROUGH MANHOLES. A FLEXIBLE GASKETED JOINT SHALL BE INSTALLED WITHIN ONE (1) FOOT OF EACH CONNECTION TO OR THROUGH SAID MANHOLES. CONNECTIONS TO MANHOLE WITH PVC PIPE SHALL UTILIZE A MANHOLE COUPLING AND RUBBER GASKET.
  - THE COVER ON THE MANHOLE SHALL BE MARKED WITH "STORM" OR "DRAIN" IN TWO (2) INCH RASISED LETTERS. SEE MANHOLE RING AND COVER DETAIL, CITY STANDARDS DETAIL NO. 06.01.02 AND 06.01.03.
  - STAINLESS STEEL PIPE CLAMP WITH 1/2" DIAMETER STAINLESS STEEL THREADED ROD WITH WASHER AND NUT EACH SIDE OF CLAMP. PROVIDE 1/2" DIAMETER DROP-IN ANCHOR WITH JAMB NUT AT WALL. PIPE CLAMPS SHALL BE PLACED AT SIXTEEN (16) INCHES ON CENTER.
  - FLOW CONTROL UNIT SHALL BE MADE FROM PVC PIPE AND SHALL CONFORM TO THE STANDARD PIPE SPECIFICATIONS.

	CB-200
A	533.30
B	532.90
C	1.20"
D	531.90
E	0.40"
F	527.90
G	0.35"
H	527.90
J	36"
K	525.90
L	536.69
M	523.90



**5 LOT B DETENTION PIPE PROFILE**  
NOT TO SCALE

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BY \_\_\_\_\_  
CITY OF PUYALLUP  
DEVELOPMENT ENGINEERING

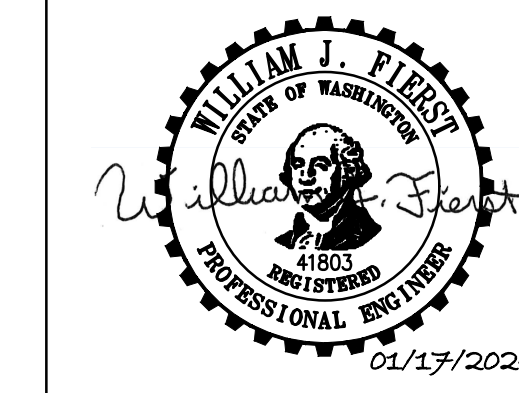
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mcb-ARC

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landscape design\_ AHBL  
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state project number\_ 2020-546H(2-1)

Project No. 2012.000

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checked\_ W Fierst

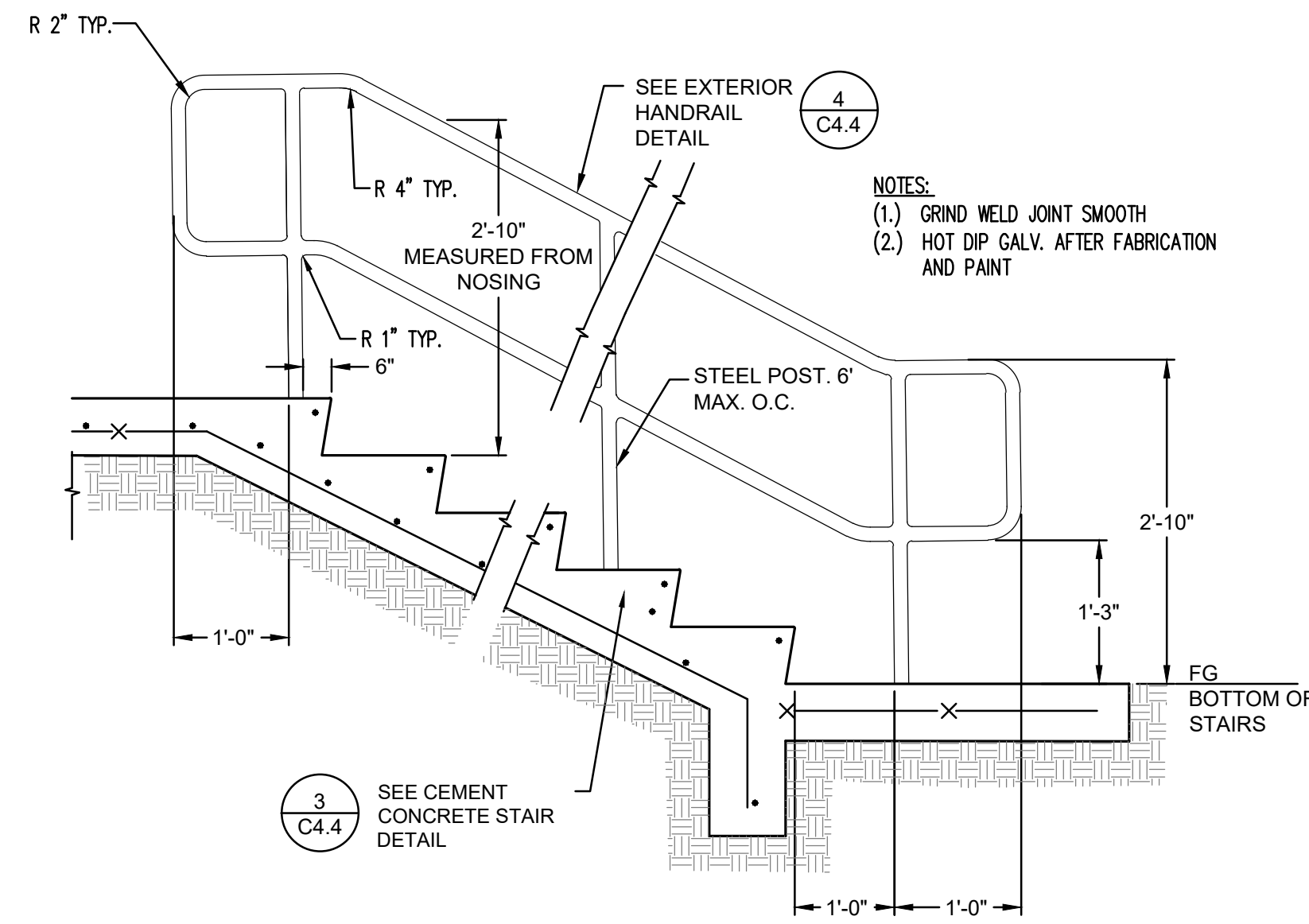
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DATE: October 23, 2023 FILENAME: Q:\2020\2200718\10\_CIV\CAD\1\_PARKING LOT\BidSet\2200718-SH-DETAILS.dwg





**2 STAIR HANDRAIL**  
NOT TO SCALE

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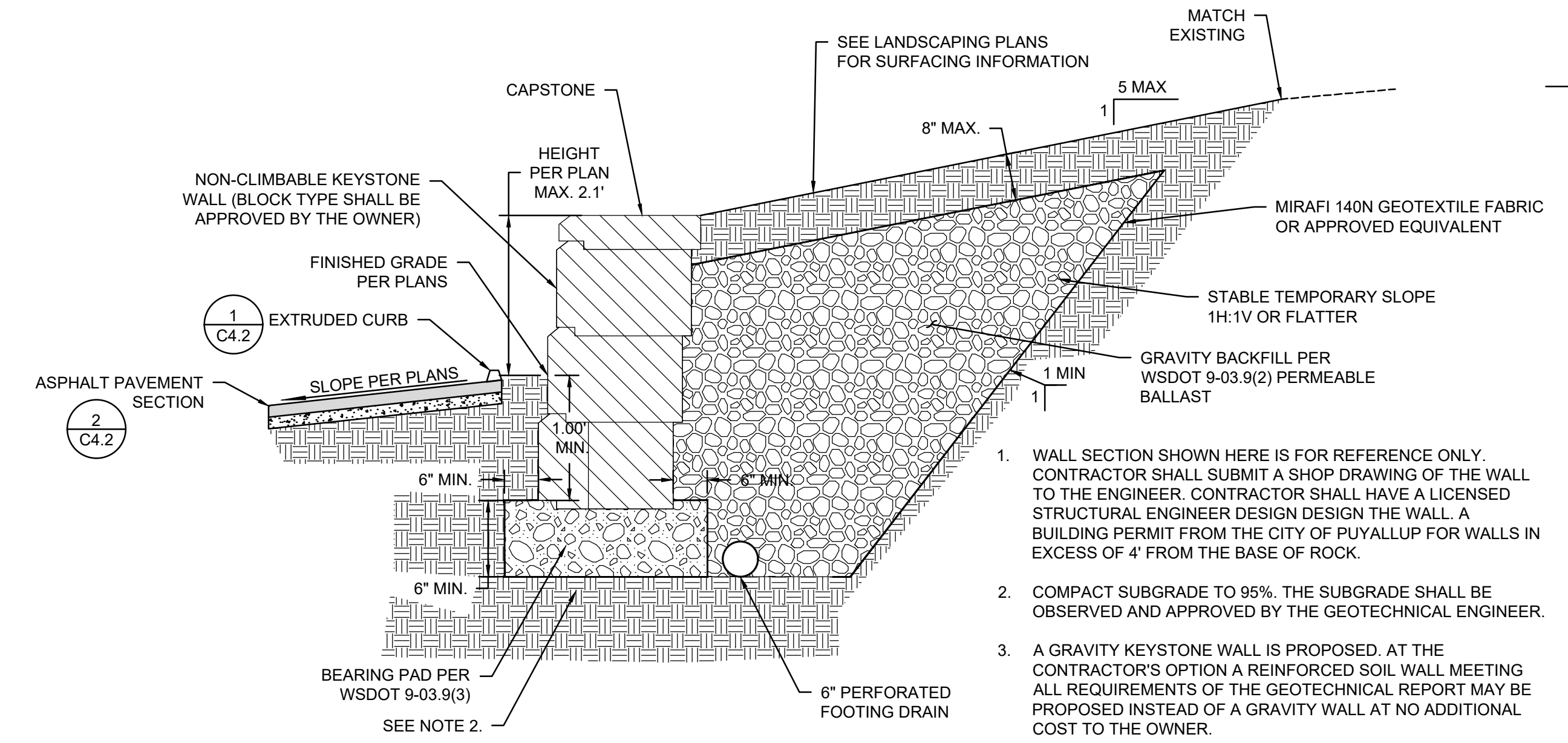
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civil engineer\_  
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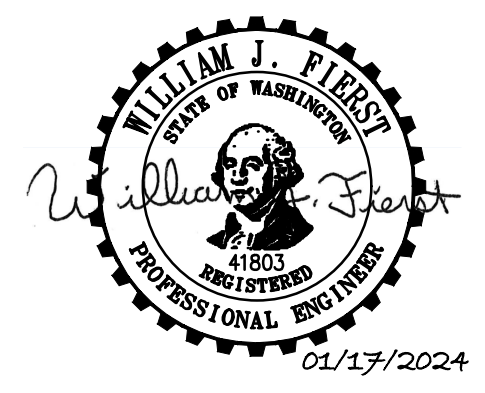
landscape design\_  
AHBL

electrical engineer\_  
HARGIS ENGINEERS



**5 KEYSTONE GRAVITY WALL**  
NOT TO SCALE

1. WALL SECTION SHOWN HERE IS FOR REFERENCE ONLY. CONTRACTOR SHALL SUBMIT A SHOP DRAWING OF THE WALL TO THE ENGINEER. CONTRACTOR SHALL HAVE A LICENSED STRUCTURAL ENGINEER DESIGN THE WALL. A BUILDING PERMIT FROM THE CITY OF PUYALLUP FOR WALLS IN EXCESS OF 4' FROM THE BASE OF ROCK.
2. COMPACT SUBGRADE TO 95%. THE SUBGRADE SHALL BE OBSERVED AND APPROVED BY THE GEOTECHNICAL ENGINEER.
3. A GRAVITY KEYSTONE WALL IS PROPOSED. AT THE CONTRACTOR'S OPTION A REINFORCED SOIL WALL MEETING ALL REQUIREMENTS OF THE GEOTECHNICAL REPORT MAY BE PROPOSED INSTEAD OF A GRAVITY WALL AT NO ADDITIONAL COST TO THE OWNER.

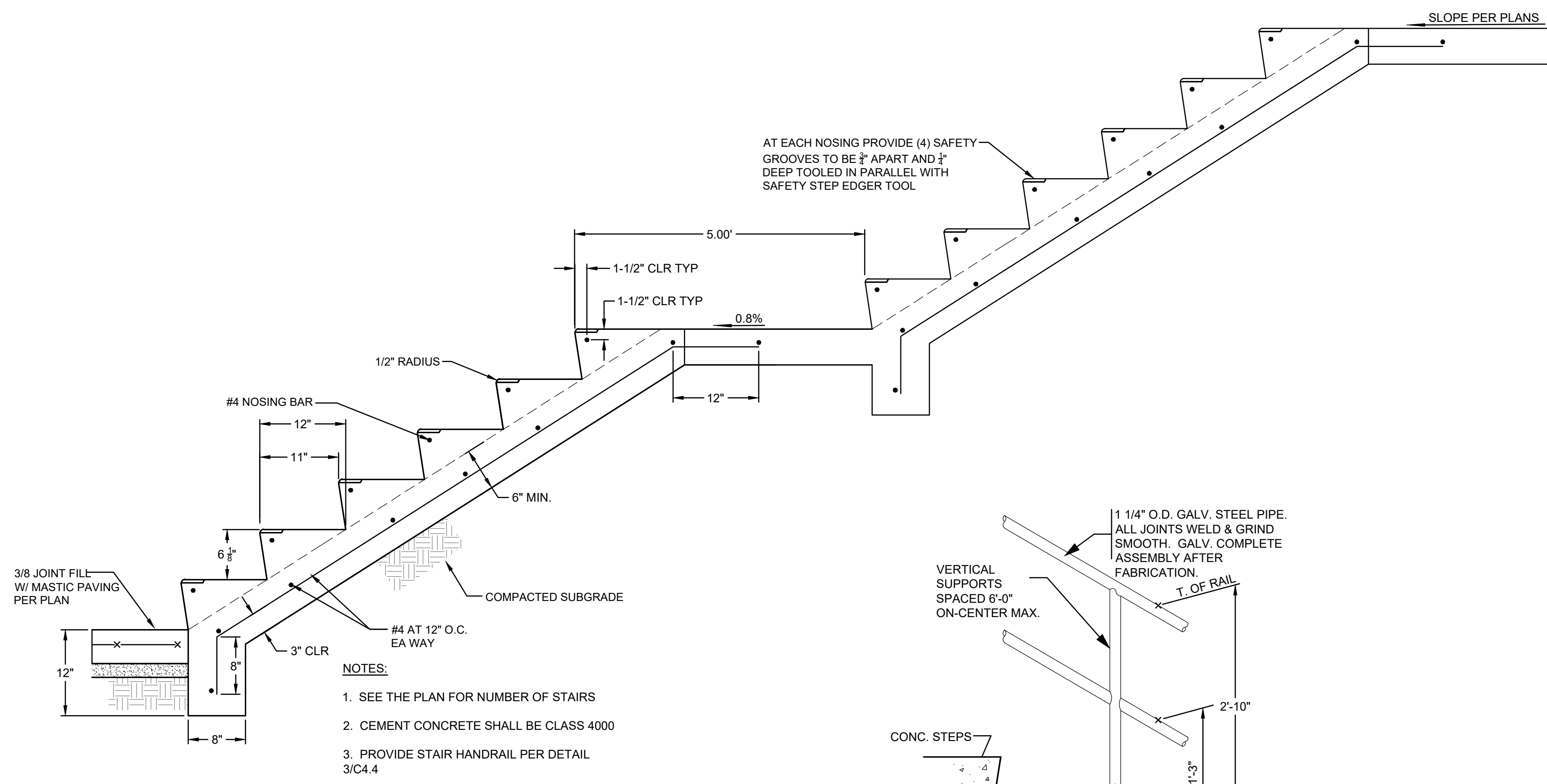


project\_  
PUYALLUP CAMPUS PARKING  
EXPANSION FOR LOTS B AND C

client\_  
PIERCE COLLEGE

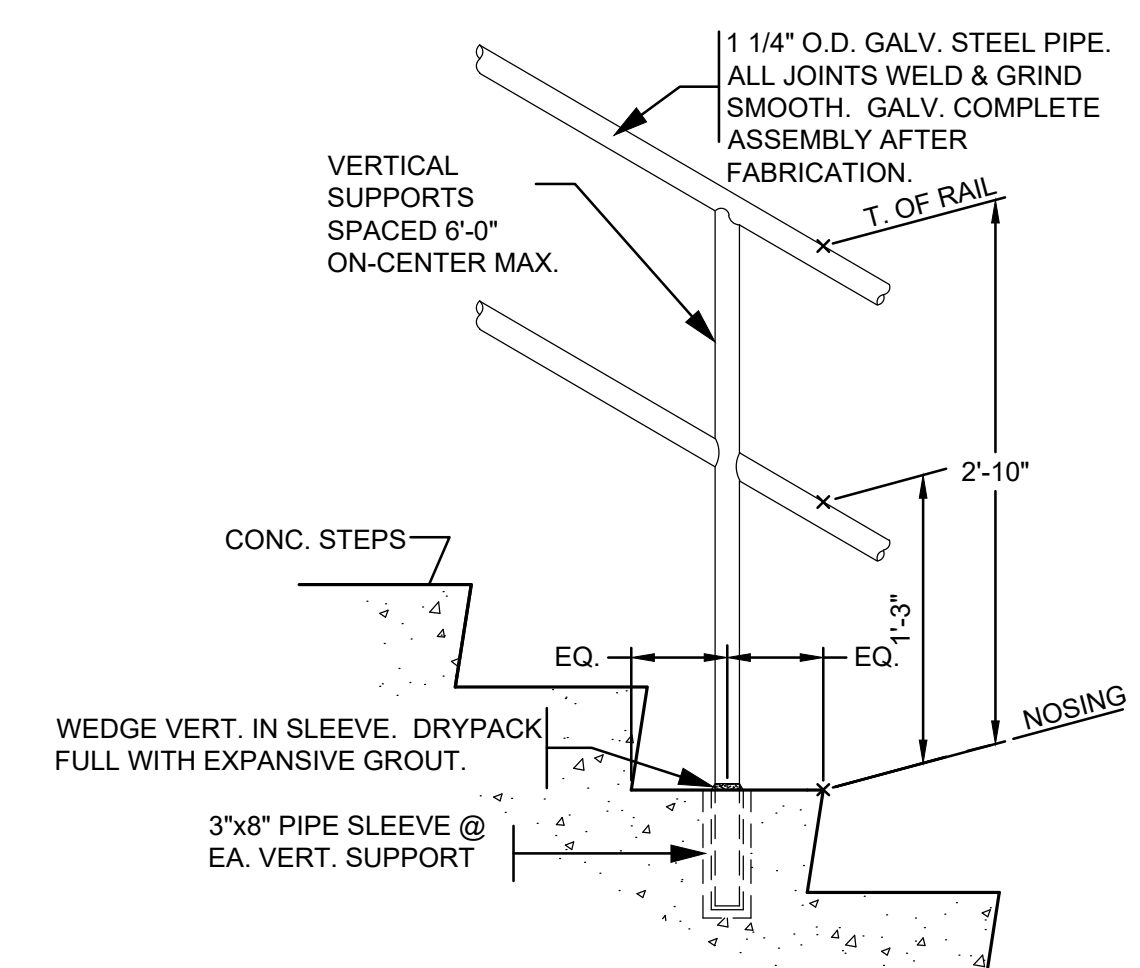
location\_  
PUYALLUP, WA

state project number\_  
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**3 CEMENT CONCRETE STAIR DETAIL**  
NOT TO SCALE

- NOTES:**
1. SEE THE PLAN FOR NUMBER OF STAIRS
  2. CEMENT CONCRETE SHALL BE CLASS 4000
  3. PROVIDE STAIR HANDRAIL PER DETAIL 3/C4.4



**4 EXTERIOR HANDRAIL**  
NOT TO SCALE

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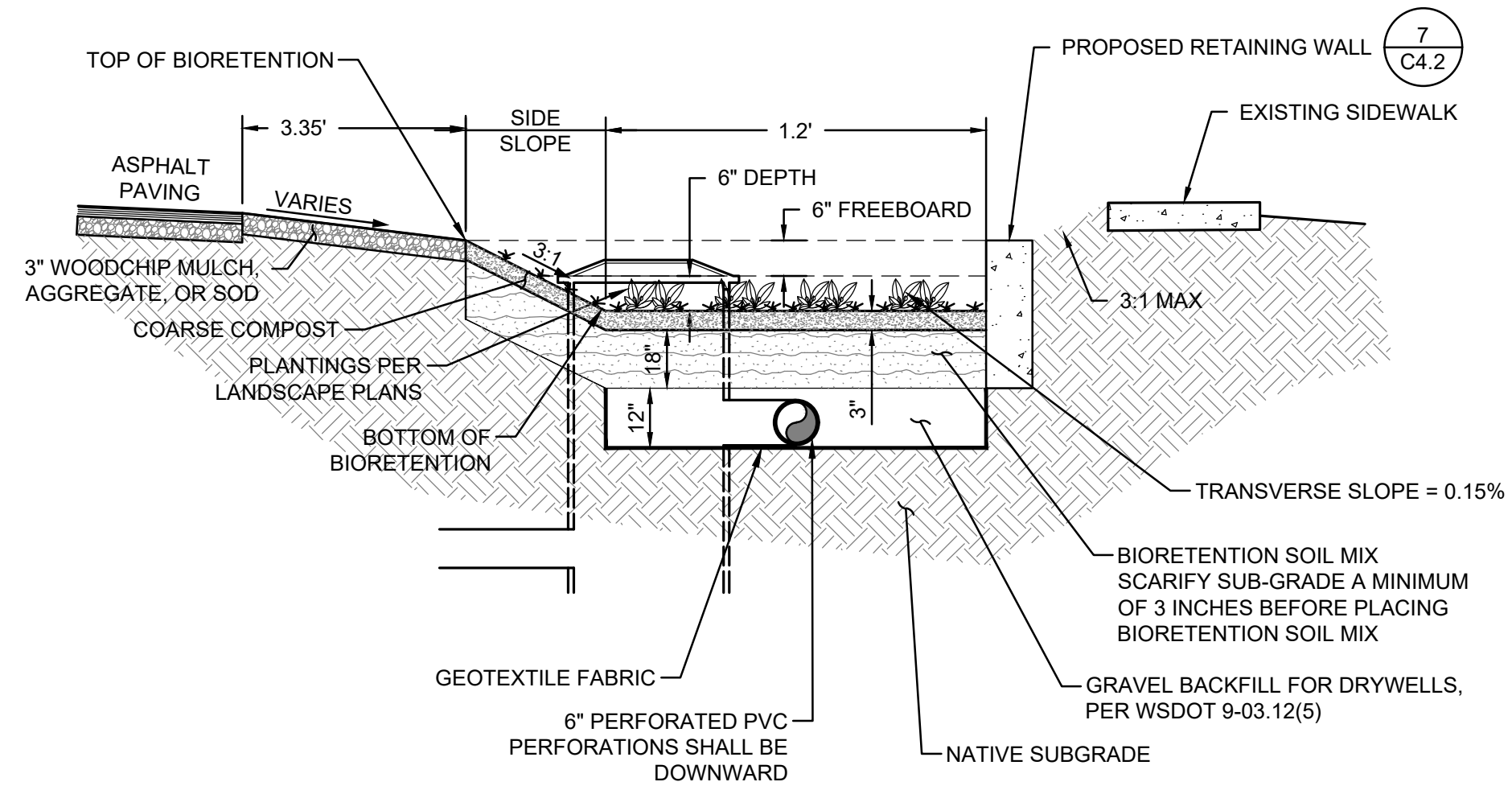
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F Katona

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W Fierst

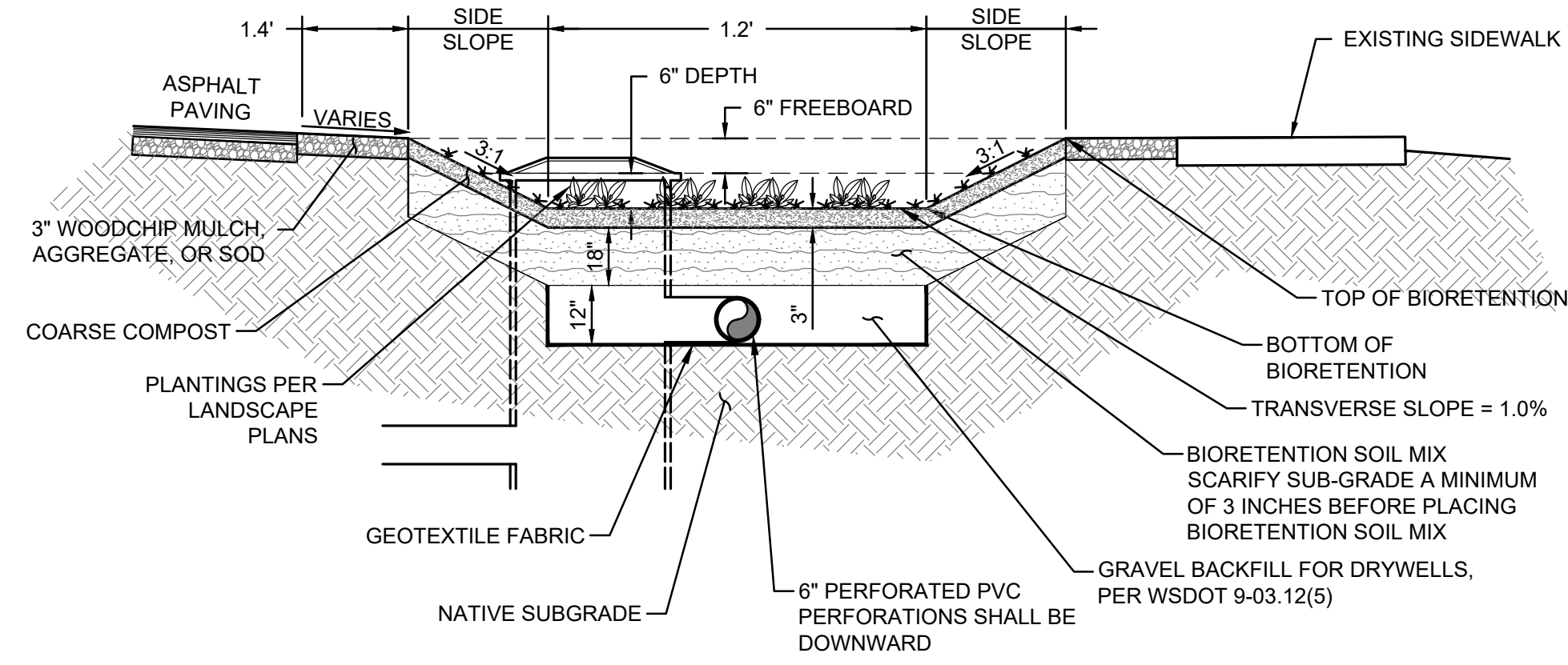
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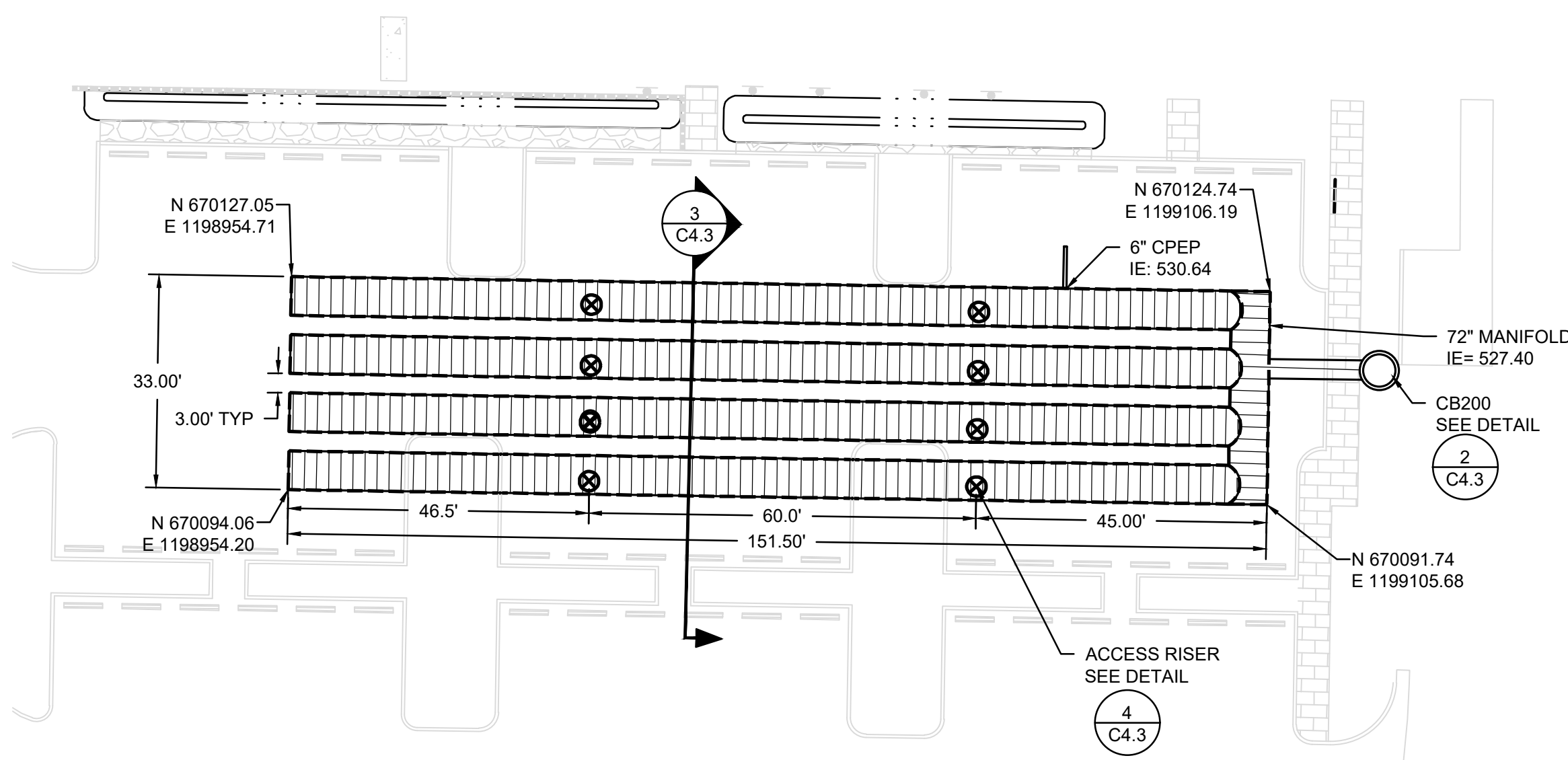




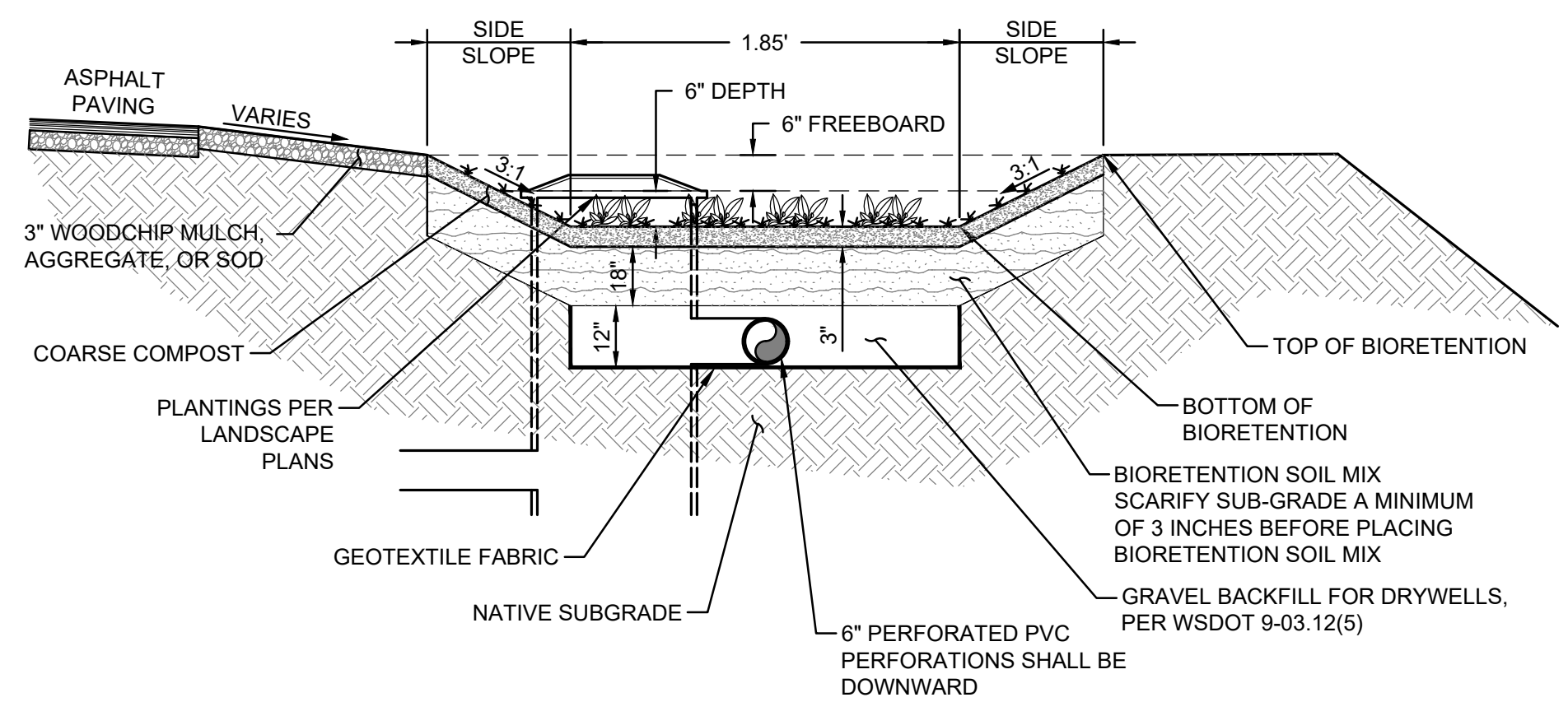
**4 BIORETENTION CELL B1**  
NOT TO SCALE



**5 BIORETENTION CELL B2**  
NOT TO SCALE



**3 LOT B DETENTION PIPE LAYOUT**  
NOT TO SCALE



**6 BIORETENTION CELL C**  
NOT TO SCALE

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DEVELOPMENT ENGINEERING

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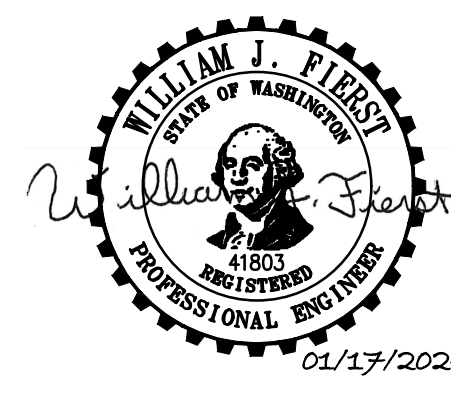
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AHBL

landscape design\_  
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electrical engineer\_  
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F Katona

checked\_  
W Fierst

sheet\_  
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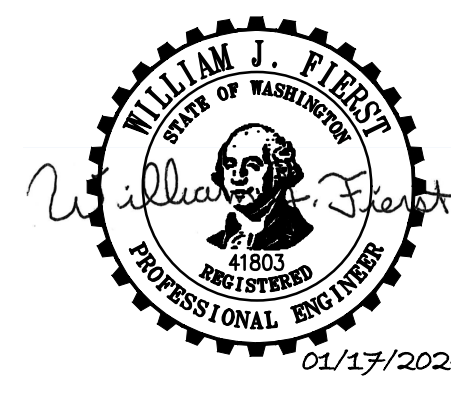
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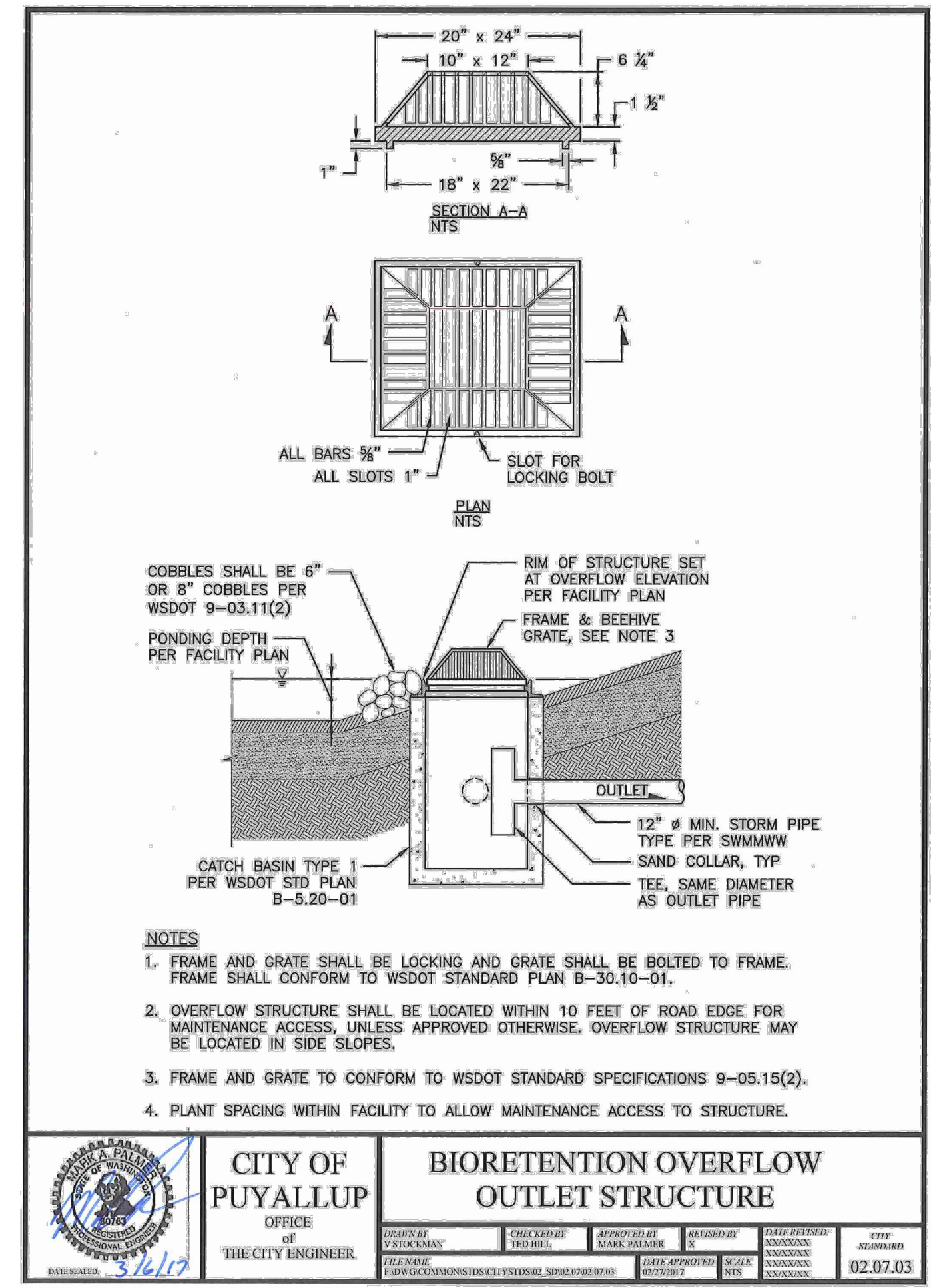
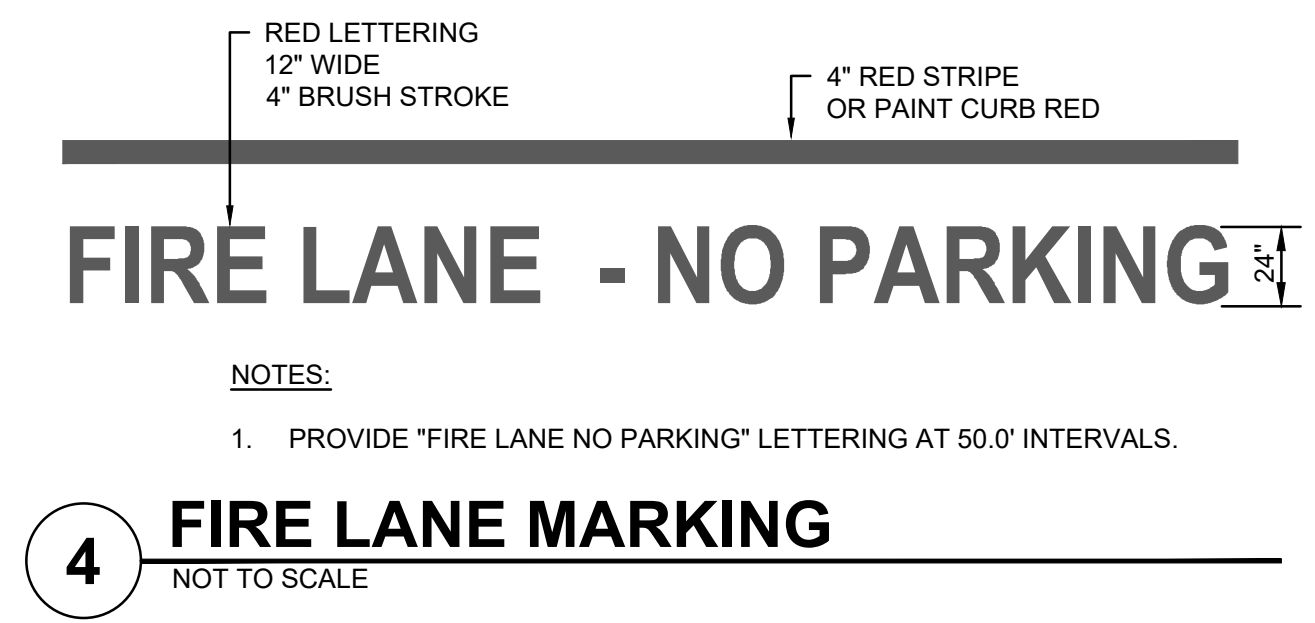
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**C4.6**



**5 BIORETENTION OVERFLOW OUTLET STRUCTURE**  
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