



Know what's below. Call before you dig.

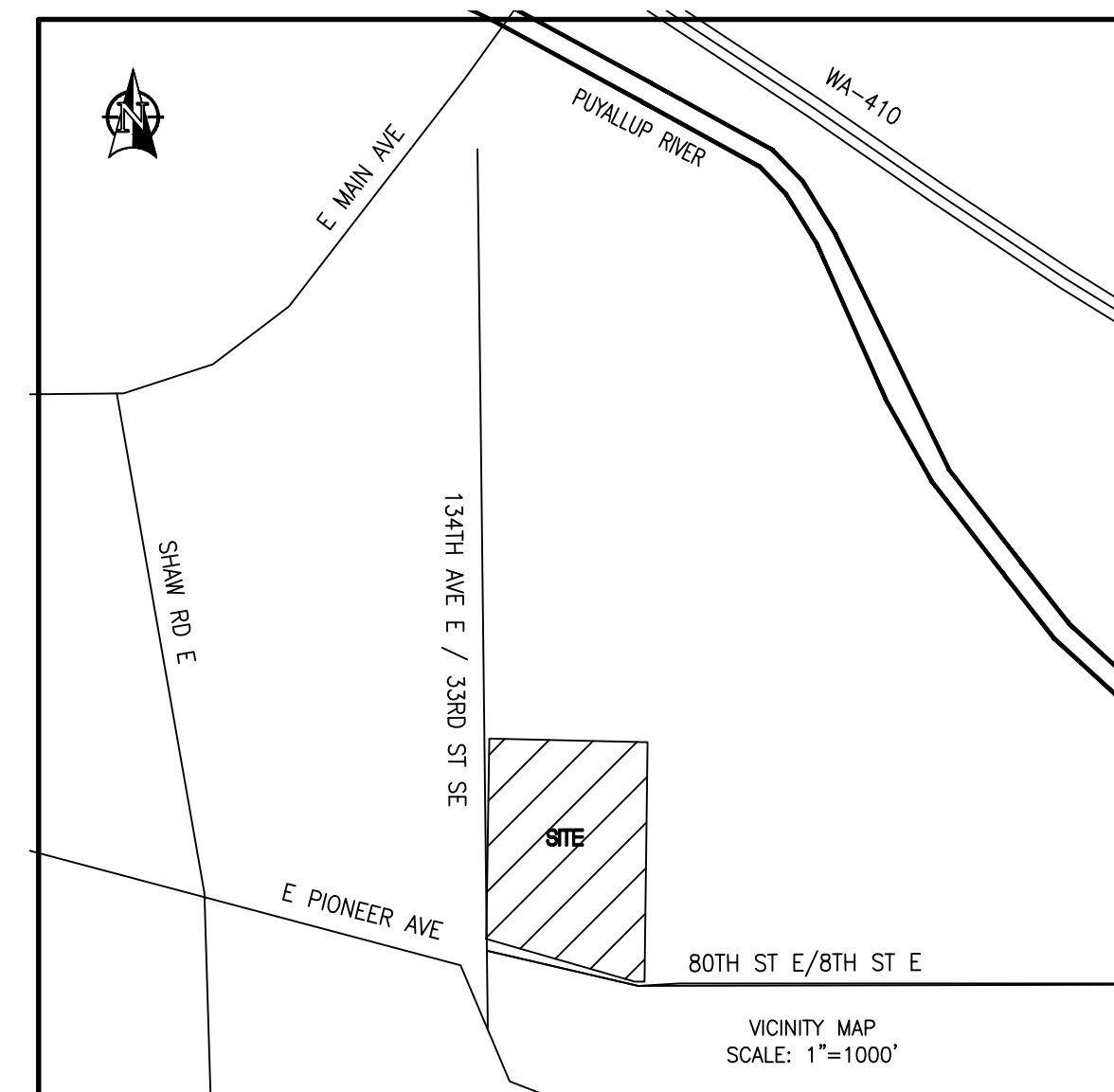
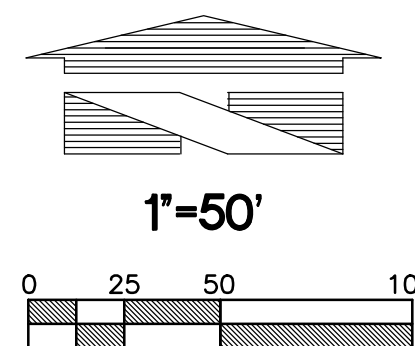
BCE GENERAL NOTES:

- 1. THE CONTRACTOR SHALL OBTAIN AND HAVE AVAILABLE COPIES OF THE APPLICABLE GOVERNING AGENCY STANDARDS AT THE JOB SITE DURING THE RELATED CONSTRUCTION OPERATIONS.
2. CONTRACTOR SHALL ASSURE THAT ALL NECESSARY PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCING WORK.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION...

NOTE:
1. SANITARY SEWER CONNECTION SHALL NOT OCCUR UNTIL THE EXISTING SEPTIC SYSTEM HAS BEEN DECOMMISSIONED IN ACCORDANCE WITH TPCHD REQUIREMENTS.
2. SEPARATE UTILITY CONNECTION PERMIT REQUIRED PRIOR TO CONNECTION TO THE NEW SEWER MAIN.

SEWER COVER SHEET FOR GERMAINE KORUM CENTER

A PORTION OF THE SW 1/4 OF THE SW 1/4 OF SEC. 25, TWP. 20 NORTH, RGE. 4 EAST, W.M. CITY OF PUYALLUP PIERCE COUNTY WASHINGTON



PROPERTY ADDRESSES: 3303-E 8TH AVE. SE, PUYALLUP, WA
ASSESSORS' PARCEL NUMBERS: 0420253071 AND 0420253070

SURVEY INFORMATION:

HORIZONTAL DATUM: HORIZONTAL DATUM FOR THIS SURVEY IS NAD 83/91 PER WSDOT. WSDOT MONUMENT ID NO. 2207 WAS HELD FOR POSITION, AND A LINE BETWEEN SAID POINT 2207 AND WSDOT MONUMENT ID NO. 4773 WAS HELD FOR ROTATION...
VERTICAL DATUM: VERTICAL DATUM FOR THIS SURVEY IS NAVD88 PER WSDOT. WSDOT MONUMENT ID NO. 3851 WAS HELD FOR ELEVATION, BEING 79.419 (NAVD88)...

CITY OF PUYALLUP ENGINEERING DIVISION
REVIEWED BY: Mark Higginson
SUBMITTED BY:
DATE: 11/18/2021
FOR FURTHER REVIEW
FOR CITY SIGNATURE
RETURN THIS COPY
SUBMIT

LEGEND table with symbols for various utilities and structures: SURVEY MONUMENT, EX. POWER METER, EX. LUMINAIRE (LUM.), EX. POWER POLE, EX. JUNCTION BOX, EX. CATCH BASIN (CB), EX. CATCH BASIN (CB) TYPE 2, EX. SANITARY SEWER MANHOLE (SSMH), EX. GAS METER, EX. GAS VALVE, EX. WATER VALVE (WV), EX. FIRE HYDRANT (FH), MAIL BOX, EX. WATER METER, EX. WATER FAUCET, EX. WATER LINE, EX. SIGN, PROPOSED SIGN, EX. SANITARY SEWER LINE, EX. STORM DRAINAGE LINE, EX. POWER UNDERGROUND, EX. POWER OVERHEAD, EX. GAS LINE, EX. METAL FENCE, EX. WOOD FENCE, EX. GUARD RAIL, EX. TELEPHONE, EXISTING CURB, PROPOSED CURB.

CONSTRUCTION SEQUENCE:

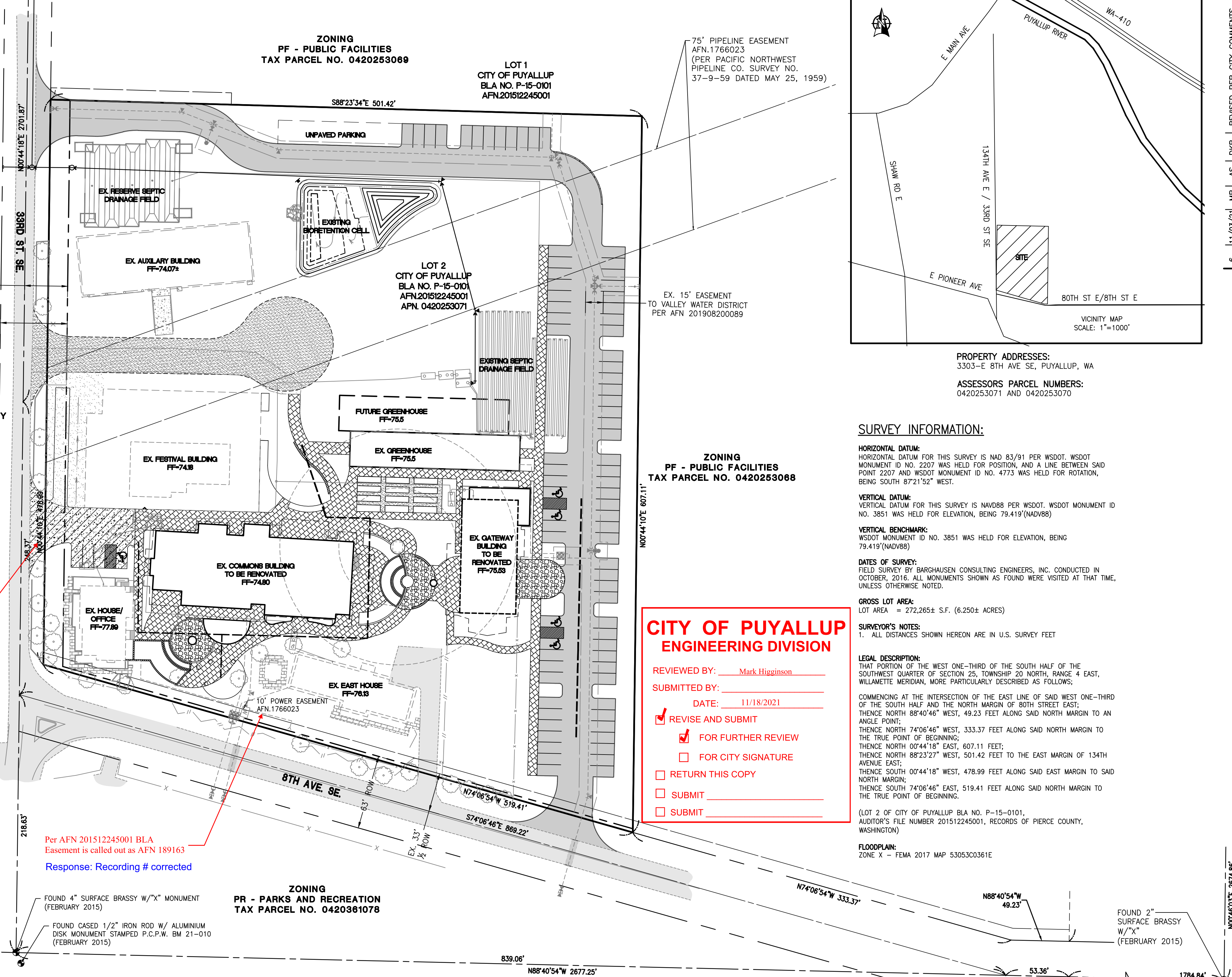
- 1. SCHEDULE AND ATTEND PRE-CONSTRUCTION MEETING WITH CITY OF PUYALLUP OFFICIALS.
2. FLAG ALL TREES TO REMAIN, CLEARING AND GRADING LIMITS FOR PROJECT.
3. INSTALL TEMPORARY FILTER FABRIC FENCE AND CB PROTECTION AS NEEDED.
4. SCHEDULE AN EROSION CONTROL INSPECTION WITH THE CITY OF PUYALLUP.
5. REMOVE ALL EXISTING MATERIAL AS NEEDED FOR THE INSTALLATION OF THE NEW SEWER MAIN.

INDEX TO SHEETS:

- S1 OF 4 SEWER COVER SHEET
S2 OF 4 SANITARY SEWER AND STORM DRAIN MODIFICATION PLAN
S3 OF 4 CONSTRUCTION NOTES AND DETAILS
S4 OF 4 CONSTRUCTION NOTES AND DETAILS

UTILITY CONFLICT NOTE:

CAUTION: THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POT-HOLING THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION...



Response: Dimension corrected

Per AFN 202005280613 Dedication 1/2 ROW should be 36.5 ft.

Per AFN 201512245001 BLA Bearing is called out as N0044°18'E

Response: Bearing corrected

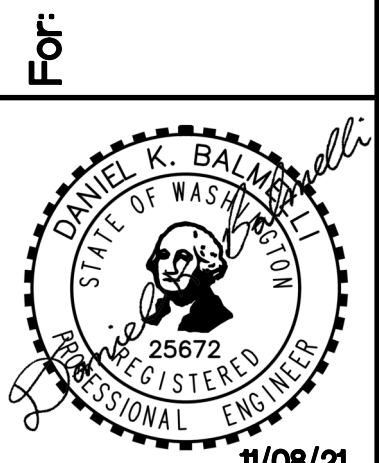
Per AFN 201512245001 BLA Easement is called out as AFN 189163

Response: Recording # corrected

Revision table with columns: No., Date, By, Cld., Appr., REVISED PER CITY COMMENTS

Title: SEWER COVER SHEET FOR GERMAINE KORUM CENTER

STEP BY STEP PO BOX 488 MILTON, WA 98354 PHONE: 253-896-0903



Scale: Horizontal 1 inch = 50 feet, Vertical 1 inch = 10 feet
Designed: AS, Drawn: MB, Checked: AS, Approved: DKB, Date: 11/03/21

18215 72ND AVENUE SOUTH KENT, WA 98032 (425)251-6222 (425)251-8752 FAX CIVIL ENGINEERING, LAND PLANNING, SURVEYING, ENVIRONMENTAL SERVICES



Job Number 17376 Sheet 4 of 4

APPROVED

BY: CITY OF PUYALLUP DEVELOPMENT SERVICES
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 ENGINEERING SERVICES MANAGER.

CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR OBTAINING PERMITS FROM THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES FOR REMOVING AND REPLACING ALL SURVEY MONUMENTATION THAT MAY BE AFFECTED BY CONSTRUCTION ACTIVITY...

WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES PUBLIC LAND SURVEY OFFICE 1111 WASHINGTON STREET S.E. P.O. BOX 47060 OLYMPIA, WASHINGTON 98504-7060

UPON COMPLETION OF CONSTRUCTION, ALL MONUMENTS DISPLACED, REMOVED, OR DESTROYED SHALL BE REPLACED BY A REGISTERED LAND SURVEYOR, AT THE COST AND AT THE DIRECTION OF THE CONTRACTOR, PURSUANT TO THESE REGULATIONS...



Know what's below.
Call before you dig.

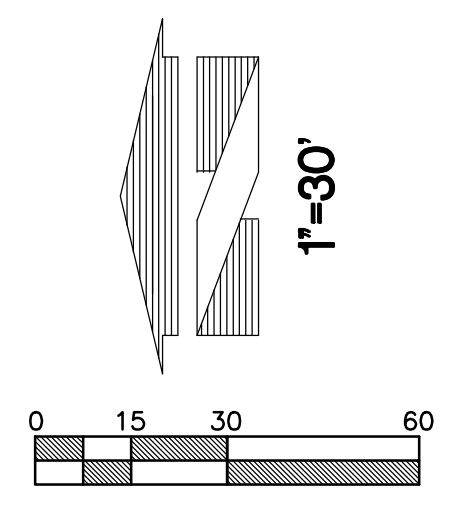
SANITARY SEWER AND STORM DRAIN MODIFICATION PLAN

FOR GERMAINE KORUM CENTER

A PORTION OF THE SW¹/₄ OF THE SW¹/₄ OF SEC. 25, TWP. 20 NORTH, RGE. 4 EAST, W.M.
CITY OF PUYALLUP PIERCE COUNTY WASHINGTON

Response: Easement correctly called out as AFN. 189163.

Per AFN 201512245001 BLA Easement is called out as AFN 189163



Response: Acceptance will be provided prior to construction

Provide acceptance from Williams Gas for new sewer crossing the gas easement

LOT 1
CITY OF PUYALLUP
BLA NO. P-15-0101
AFN.201512245001
ZONING - ARO

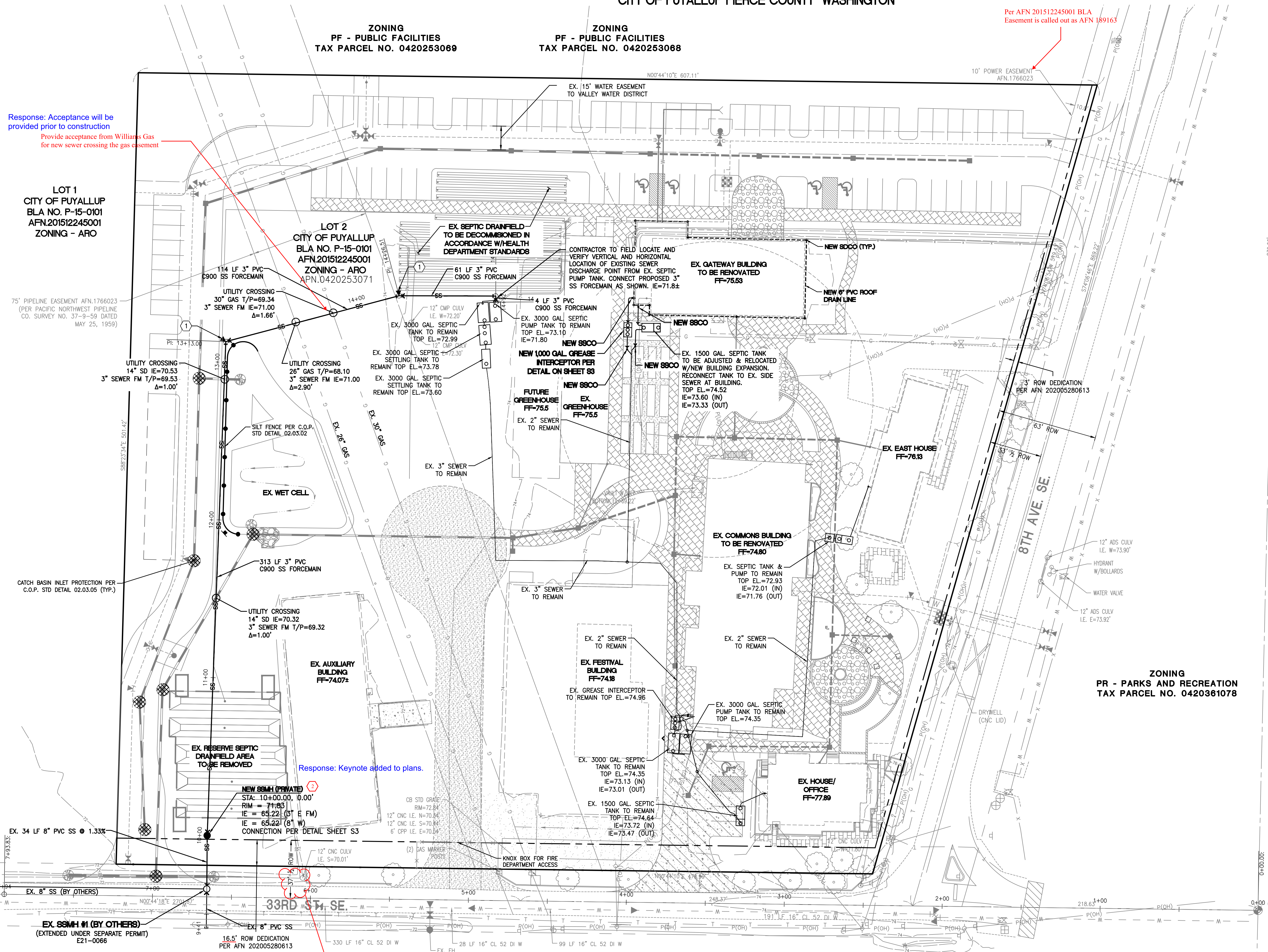
75' PIPELINE EASEMENT AFN.1766023
(PER PACIFIC NORTHWEST PIPELINE CO. SURVEY NO. 37-9-59 DATED MAY 25, 1959)

ZONING
PF - PUBLIC FACILITIES
TAX PARCEL NO. 0420253089

ZONING
PF - PUBLIC FACILITIES
TAX PARCEL NO. 0420253088

ZONING
PR - PARKS AND RECREATION
TAX PARCEL NO. 0420361078

ZONING
CMX - SHAW-PIONEER COMMUNITY MIXED USE
TAX PARCEL NO. 0420264019



SANITARY SEWER STRUCTURE TABLE

Structure	Type	Material	Size	Length	Notes
EX. SSMH #1 (BY OTHERS)	TYPE 1-48"	SSMH	48"	6+65.66, 4.98 RT	
					RIM = 72.93
					IE=64.77 (8" IN W)
					IE=64.77 (8" IN E)
					IE=64.67 (8" OUT N)
NEW SSMH (PRIVATE, TYPE 1-48"				10+00.00, 0.00	
					RIM = 71.83
					IE=65.22 (3" IN E W/DOWNTURNED ELBOW)
					IE=65.22 (8" OUT W)
					CONNECTION PER DETAIL SHEET S3

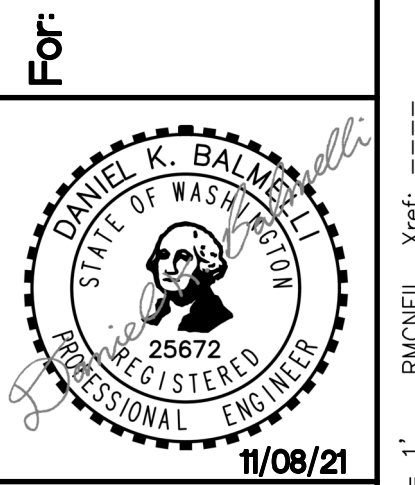
KEYNOTES

- CONTRACTOR TO INSTALL A CLEANOUT UPSTREAM OF BEND AS A FLUSHING POINT.
Callout for Thrust Block? (symbol is shown on plan, but no reference)
- Prior to operation of the new onsite sewer system, a separate Utility Connection Permit shall be obtained from the City.
Response: Keynotes updated.

WETWELL LINING NOTE:
INTERIOR OF FORCEMAIN DISCHARGE MANHOLE SHALL BE LINED WITH RAVEN 45 EPOXY OR APPROVED ALTERNATIVE.

Title:
SANITARY SEWER AND STORM DRAIN MODIFICATION PLAN
FOR
GERMAINE KORUM CENTER

STEP BY STEP
PO BOX 488
MILTON, WA 98354
PHONE: 253-896-0903



Scale:
Horizontal 1"=30'
Vertical 1"=30'

Designed: AS
Drawn: MB
Checked: AS
Approved: DKB
Date: 11/03/21

18215 72ND AVENUE SOUTH
KENT, WA 98032
(425)251-6222
(425)251-8752 FAX
CIVIL ENGINEERING, LAND PLANNING,
SURVEYING, ENVIRONMENTAL SERVICES

Job Number
17376
Sheet
S2 of 4

APPROVED
BY _____
CITY OF PUYALLUP
DEVELOPMENT SERVICES
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 ENGINEERING SERVICES MANAGER.

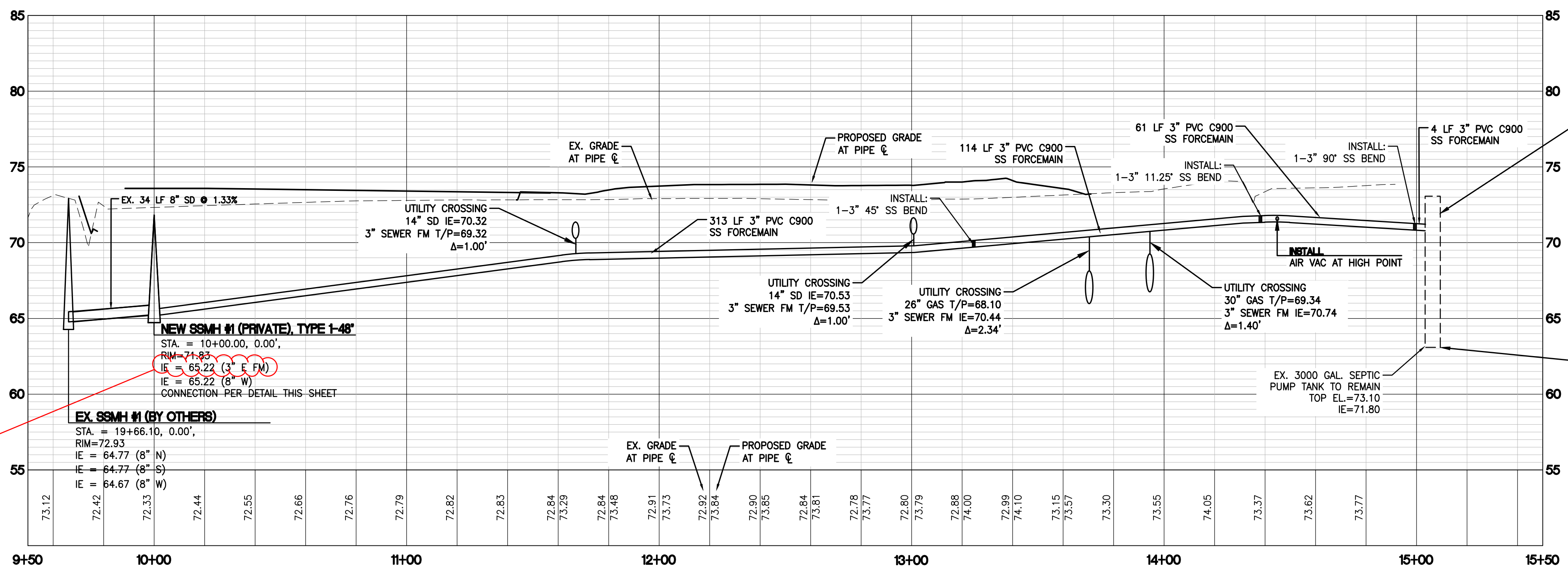
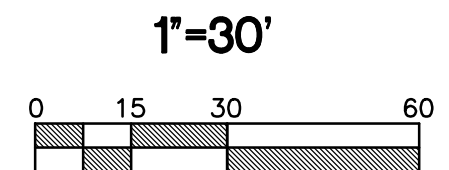


Know what's below. Call before you dig.

SANITARY SEWER MODIFICATION PLAN

FOR GERMAINE KORUM CENTER

A PORTION OF THE SW¹/₄ OF THE SW¹/₄ OF SEC. 25, TWP. 20 NORTH, RGE. 4 EAST, W.M. CITY OF PUYALLUP PIERCE COUNTY WASHINGTON



SANITARY SEWER STRUCTURE TABLE

EX. SSMH #1 (BY OTHERS), TYPE 1-48" STA = 6+65.66, 4.98 RT RIM = 72.93 IE = 64.77 (8" IN W) IE = 64.77 (8" IN E) IE = 64.67 (8" OUT N)

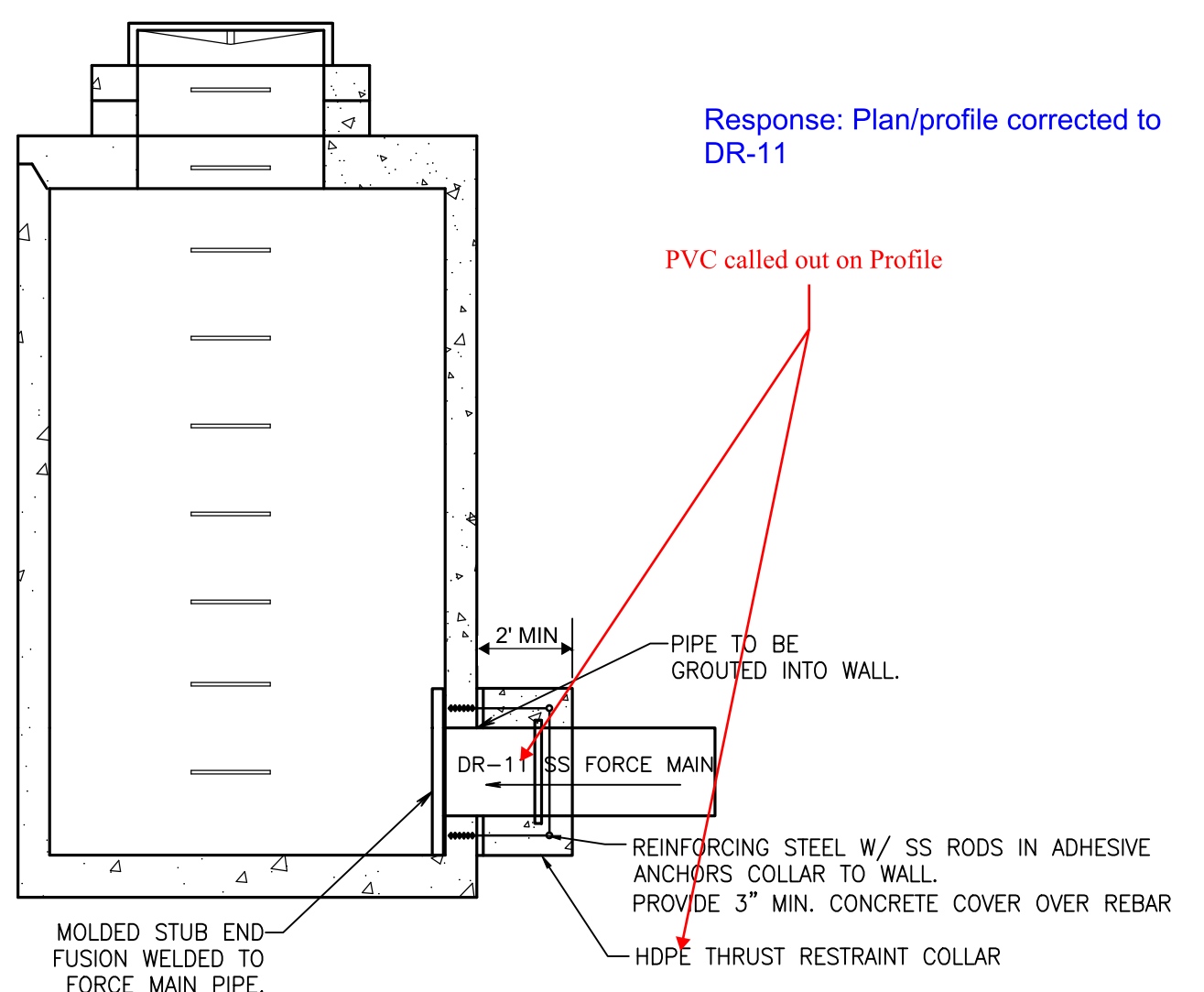
NEW SSMH (PRIVATE), TYPE 1-48" STA = 10+00.00, 0.00' RIM = 71.83 IE = 65.22 (3" E FM) IE = 65.22 (8" W) CONNECTION PER DETAIL THIS SHEET

EX. SSMH #1 (BY OTHERS) STA = 19+66.10, 0.00' RIM = 72.93 IE = 64.77 (8" N) IE = 64.77 (8" S) IE = 64.67 (8" W)

IE 65.33? ...allows channel to drain after pump shutoff
Response: IE changed to 65.22.

CONTRACTOR TO FIELD LOCATE AND VERIFY VERTICAL AND HORIZONTAL LOCATION OF EXISTING SEWER DISCHARGE POINT FROM EX. SEPTIC PUMP TANK, CONNECT PROPOSED 3" SS FORCEMAIN AS SHOWN. IE=71.8±
Provide system information including:
-Duplex station req'd in case of primary pump failure (see Orange Book)
-Peak flow calculations
-head calculations and FM sizing
-system curves/analysis for pump selection-
-pump identification
-pump cycle and run times
-On/Off/Alarm levels and active storage volume
-Identify backup power source and location on the project site
-If portable backup power, show emergency storage capacity of the existing septic tank based on peak inflows (min. 24-hrs of storage is preferred in case of failure)
-Location of system alarm panel/signal

SEPTIC TANK WETWELL TESTING
PRIOR TO OPERATION OF THE NEW FORCEMAIN SYSTEM, THE EXISTING TANK SHALL BE TESTED FOR INFILTRATION AND EXFILTRATION:
1. PUMP OUT AND CLEAN THE SEPTIC TANK.
2. VERIFY THE EXISTING TANK IS ACCEPTABLE FOR CONTINUED USE BY VISUAL INSPECTION. MAKE ANY NECESSARY REPAIRS.
3. PLACE CONCRETE FILLET AROUND THE BASE OF THE TANK AND PLUG ANY INLET/OUTLET PIPES TO BE ABANDONED.
4. ONCE THE TANK IS CLEANED AND PREPPED PER THE ABOVE, THE TANK SHALL BE LEFT EMPTY FOR 2 HOURS. ASSUMING NO GROUNDWATER INTRUSION AFTER 2 HOURS GO TO STEP 5.
5. FILL THE TANK WITH WATER AND LEAVE STATIC FOR 2 HOURS.
IF THERE WAS NO WATER INFILTRATION OR EXFILTRATION PER STEP 4 AND STEP 5 ABOVE, THEN THE TANK MAY BE DEEMED ACCEPTABLE FOR REUSE.



Response: Plan/profile corrected to DR-11

PVC called out on Profile

NOTES
1. LOCATE INLET AT SAME ELEVATION AS THE OUTLET W/ CHANNELIZATION

FORCE MAIN TO EXISTING MANHOLE CONNECTION

NOT TO SCALE

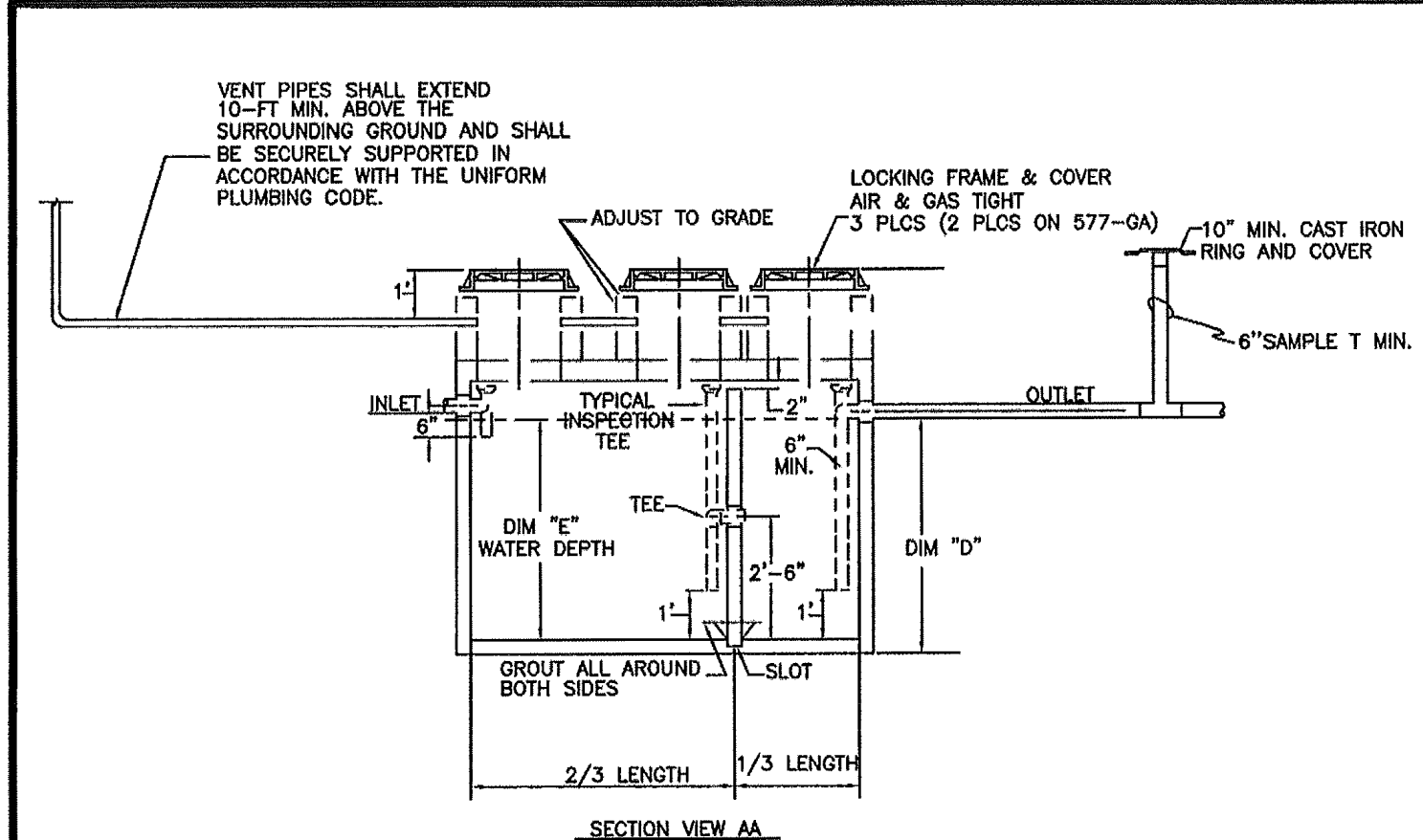


Table with columns: CAPACITY, DIM "A", DIM "B", DIM "C", DIM "D", WATER DEPTH DIM "E".

- NOTES:
1. CONCRETE: 28 DAY COMPRESSIVE STRENGTH Fc = 4500 psi
2. REBAR: ASTM A-615 GRADE 60
3. MESH: ASTM A-185 GRADE 65
4. DESIGN: ACI-318-83 BUILDING CODE
ASTM C-857 "MINIMUM STRUCTURAL DESIGN LOADING FOR UNDERGROUND PRECAST CONCRETE UTILITY STRUCTURES"
5. MINIMUM VAULT DIMENSIONS BASED ON UTILITY VAULT. OTHER MANUFACTURER'S SIZING MAY VARY.
* SEE CITY STANDARD DETAIL NO. 04.06.02 FOR ADDITIONAL NOTES

NOTES FOR GREASE INTERCEPTORS:

- 1. THE PLANS & SPECIFICATIONS SHALL ILLUSTRATE PROPERTY BOUNDARIES, PIPING/DRAINAGE DETAILS AND CONNECTIONS TO THE SANITARY SEWER. DETAIL AND ELEVATION DRAWINGS OF THE GREASE INTERCEPTOR SHALL INCLUDE SIZING CALCULATIONS IN ACCORDANCE WITH THE UNIFORM PLUMBING CODE CURRENTLY ADOPTED BY THE CITY OF PUYALLUP.
- 2. VENTING OF THE INTERCEPTOR SHALL BE IN ACCORDANCE WITH THE UNIFORM PLUMBING CODE CURRENTLY ADOPTED BY THE CITY OF PUYALLUP.
- 3. EFFLUENT FROM GREASE INTERCEPTORS SHALL NOT EXCEED 100 mg/L FAT, OIL, AND/OR GREASE DISCHARGED TO THE DOWNSTREAM SANITARY SEWER SYSTEM.
- 4. GREASE INTERCEPTORS INSTALLED IN PAVED AREAS SHALL COMPLY WITH H-20 LOADING CRITERIA.
- 5. THE GREASE INTERCEPTOR SHALL BE INSTALLED AND CONNECTED SUCH THAT IT SHALL BE EASILY ACCESSIBLE FOR INSPECTION, CLEANING, AND REMOVAL AT ALL TIMES. MANHOLE COVERS SHALL BE GAS TIGHT AND HAVE A MINIMUM OPENING OF 24-INCHES IN DIAMETER.
- 6. NO SANITARY WASTEWATER SHALL BE CONVEYED TO THE SEPARATOR. A SEPARATE SIDE SEWER SHALL BE REQUIRED TO CARRY SANITARY WASTEWATER TO THE SEWER MAIN AND SHALL BE PLACED AS CLOSE TO THE SERVICE AREA AS PRACTICAL.
- 7. PLUMBING/PIPING SHALL BE CONSTRUCTED TO ESTABLISH "PARALLEL FLOW" (90-DEGREES TO THE TANK BAFFLE) THROUGH THE GREASE INTERCEPTOR. NO RADIUS, BEND, OR ELBOW SHALL BE ALLOWED IN THE INLET PIPE UPSTREAM OF THE INTERCEPTOR FOR A MINIMUM OF 10-FEET, OR 20-PIPE DIAMETERS, WHICHEVER IS GREATER.
- 8. ANY PUMP MECHANISM SHALL BE INSTALLED DOWNSTREAM OF THE INTERCEPTOR TO PREVENT FAT, OIL, AND GREASE EMULSIFICATION. A "TEE" CONNECTION SHALL BE INSTALLED IN THE DISCHARGE PIPING TO PROVIDE FOR SAMPLE COLLECTION
- 9. ALL GREASE INTERCEPTORS SHALL BE FILLED WITH CLEAN WATER BEFORE USE.
- 10. THE DESIGN ENGINEER SHALL PROVIDE ENGINEERING SERVICES STAFF WITH A LETTER OF INSPECTION CERTIFYING THAT THE INSTALLATION WAS PERFORMED IN ACCORDANCE WITH ALL REGULATIONS AND THE APPROVED PLAN.
- 11. FINAL INSPECTION IS REQUIRED BY ENGINEERING SERVICES STAFF PRIOR TO CONNECTING TO THE SANITARY SEWER.
- 12. THE PROPERTY OWNER SHALL RETAIN OWNERSHIP OF THE GREASE INTERCEPTOR AND SIDE SEWER LINES AND SHALL BE RESPONSIBLE FOR THEIR OPERATION AND MAINTENANCE. A SERVICE/MAINTENANCE RECORD SHALL BE KEPT ON THE PREMISES AT ALL TIMES AND SHALL BE IMMEDIATELY AVAILABLE TO CITY OF PUYALLUP STAFF UPON REQUEST.
- 13. THE PROPERTY OWNER SHALL REPORT IMMEDIATELY TO THE CITY'S INDUSTRIAL PRETREATMENT SPECIALIST ANY SPILL, SURCHARGE, BYPASS, OR MECHANICAL FAULT AND/OR FAILURE WHICH INTERRUPTS, OR OTHERWISE REDUCES THE CAPACITY OR REMOVAL EFFICIENCY OF THE GREASE INTERCEPTOR BY CALLING (253) 841-5523.

CITY OF PUYALLUP OFFICE OF THE CITY ENGINEER GREASE INTERCEPTOR

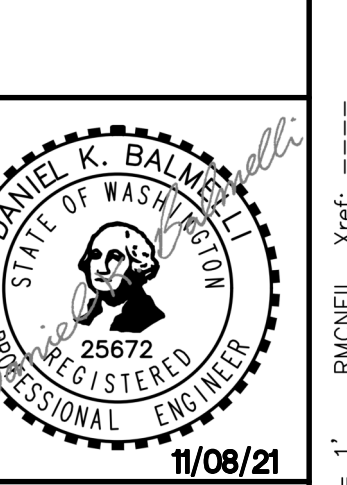
CITY OF PUYALLUP OFFICE OF THE CITY ENGINEER GREASE INTERCEPTOR (NOTES)

Revision: 11/03/21

Table with columns: No., Date, By, Ckd., Appr., REVISED PER CITY COMMENTS

Title: SANITARY SEWER MODIFICATION PLAN FOR GERMAINE KORUM CENTER

STEP BY STEP PO BOX 488 MILTON, WA 98354 PHONE: 253-896-0903



Scale: Horizontal 1"=30' Vertical 1"=10'

18215 72ND AVENUE SOUTH KENT, WA 98032 (425)251-6222 (425)251-8752 FAX



Job Number 17376 Sheet 4 of 4

APPROVED BY: CITY OF PUYALLUP DEVELOPMENT SERVICES 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 ENGINEERING SERVICES MANAGER.



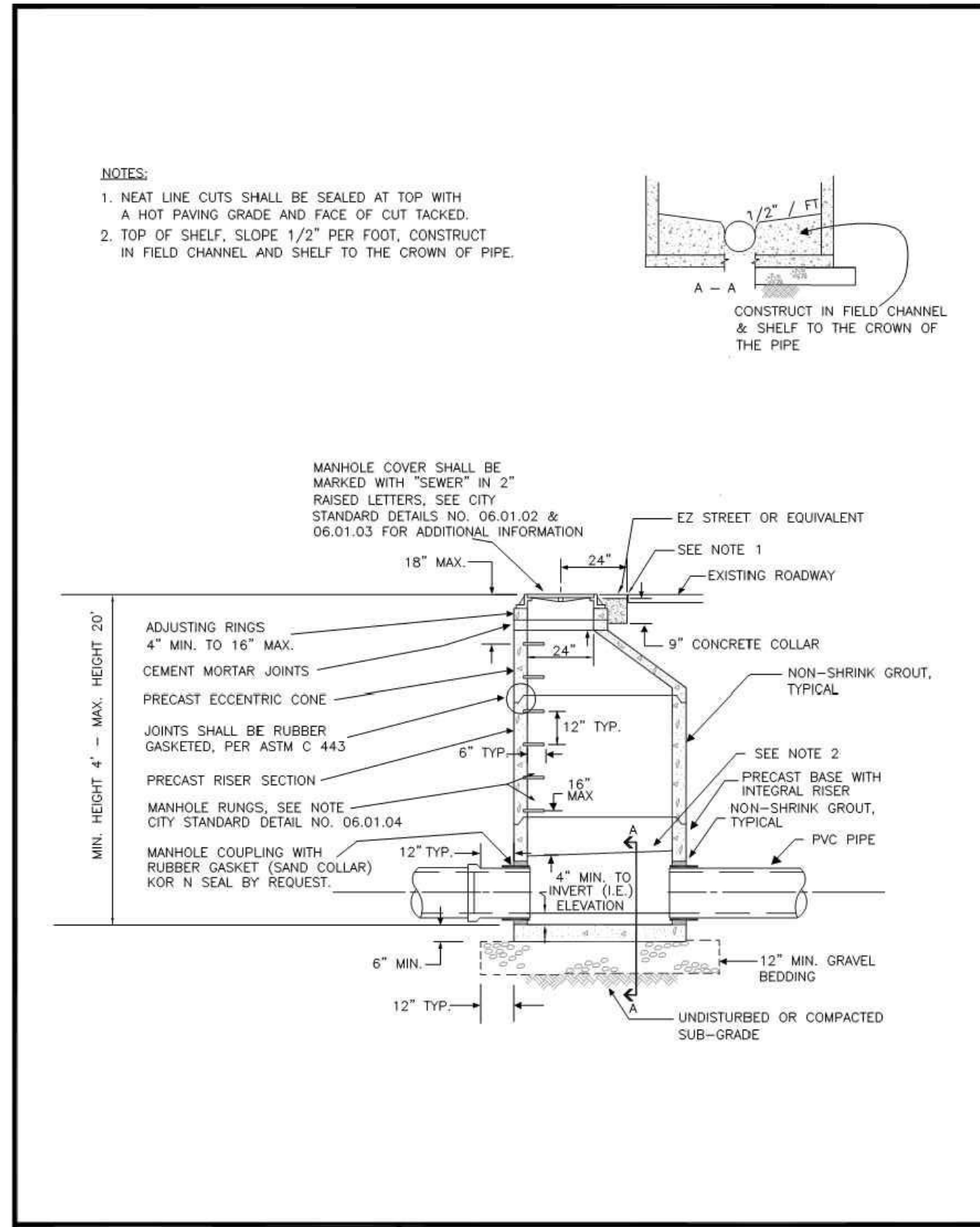
Know what's below. Call before you dig.

GENERAL NOTES:

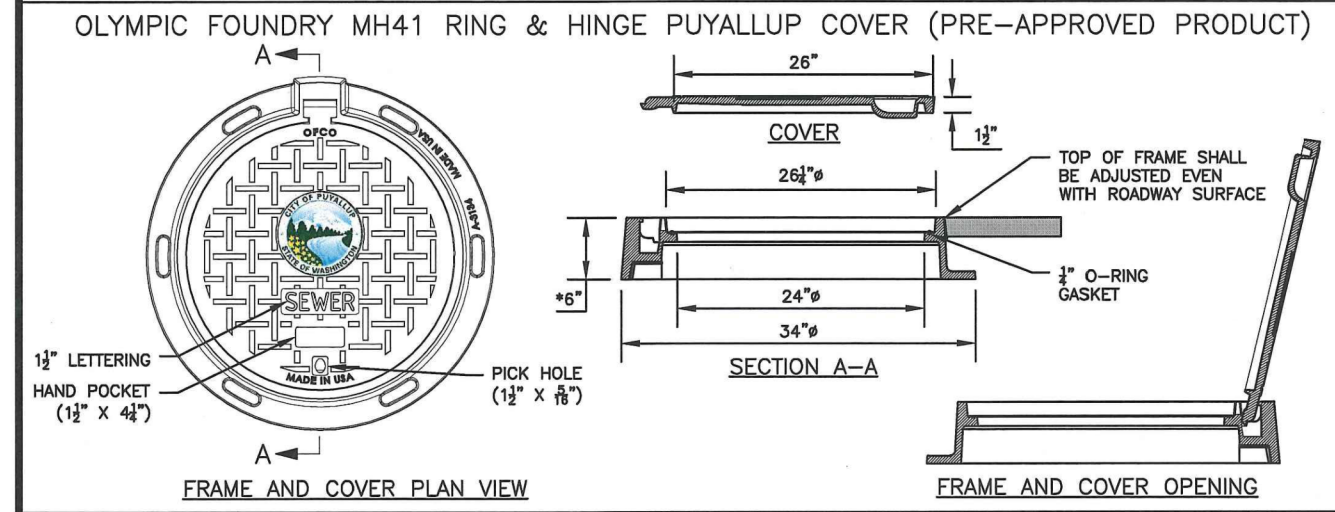
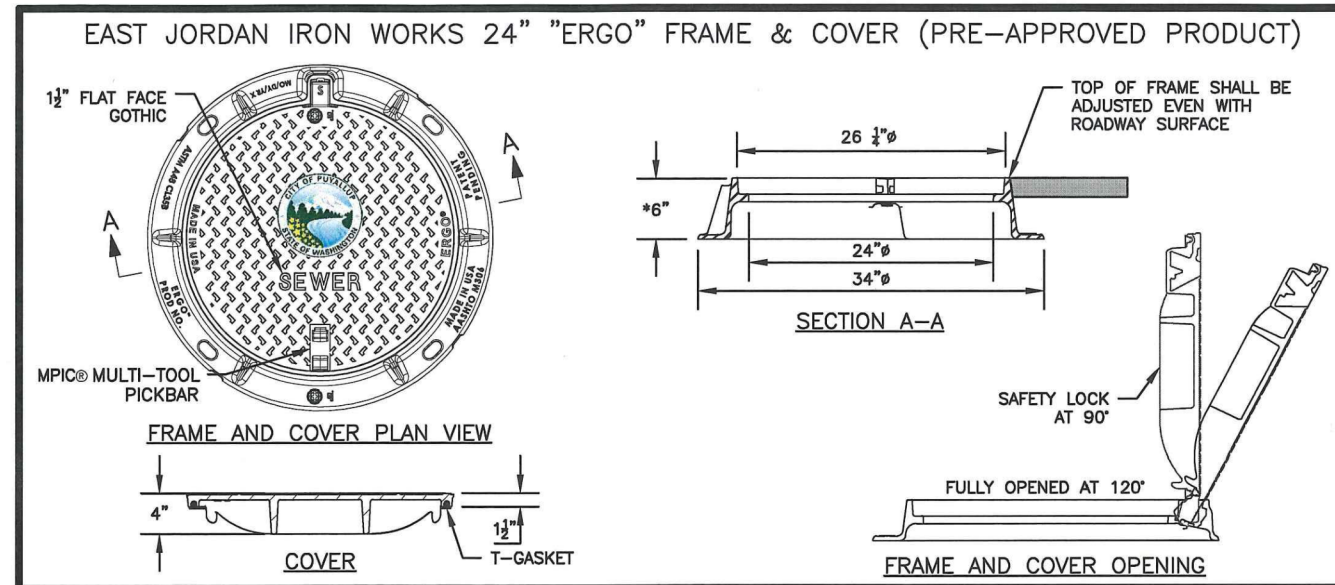
- ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE CITY OF PUYALLUP. PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE APPROVED ENGINEERING PLANS, REPRESENTATIVES FROM ALL APPLICABLE UTILITY COMPANIES, THE PROJECT OWNER AND APPROPRIATE CITY STAFF. CONTACT ENGINEERING SERVICES AT (253-841-5568) TO SCHEDULE THE MEETING. THE CONTRACTOR IS RESPONSIBLE TO HAVE THEIR OWN SET OF APPROVED PLANS AT THE MEETING.
- AFTER COMPLETION OF ALL ITEMS SHOWN ON THESE PLANS AND BEFORE ACCEPTANCE OF THE PROJECT THE CONTRACTOR SHALL OBTAIN A PUNCH LIST PREPARED BY THE CITY'S INSPECTOR DETAILING REMAINING ITEMS OF WORK TO BE COMPLETED. ALL ITEMS OF WORK SHOWN ON THESE PLANS SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF THE WATER SYSTEM AND PROVISION OF SANITARY SEWER SERVICE.
- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (HEREINAFTER REFERRED TO AS THE 'STANDARD SPECIFICATIONS'), WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER, LATEST EDITION, UNLESS SUPERSEDED OR AMENDED BY THE CITY OF PUYALLUP CITY STANDARDS FOR PUBLIC WORKS ENGINEERING AND CONSTRUCTION (HEREINAFTER REFERRED TO AS THE 'CITY STANDARDS').
- A COPY OF THESE APPROVED PLANS AND APPLICABLE CITY DEVELOPER SPECIFICATIONS AND DETAILS SHALL BE ON SITE DURING CONSTRUCTION.
- ANY REVISIONS MADE TO THESE PLANS MUST BE REVIEWED AND APPROVED BY THE DEVELOPER'S ENGINEER AND THE CITY 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 THAT REQUIRES REMOVAL OR RELOCATION RELATING TO THIS PROJECT SHALL BE DONE SO AT THE DEVELOPER'S EXPENSE.
- LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE TRUE ELEVATIONS AND LOCATIONS OF HIDDEN UTILITIES. ALL VISIBLE ITEMS SHALL BE THE ENGINEER'S RESPONSIBILITY.
- THE CONTRACTOR SHALL INSTALL, REPLACE, OR RELOCATE ALL SIGNS, AS SHOWN ON THE PLANS OR AS AFFECTED BY CONSTRUCTION, PER CITY STANDARDS.
- POWER, STREET LIGHT, CABLE, AND TELEPHONE LINES SHALL BE IN A TRENCH LOCATED WITHIN A 10-FOOT UTILITY EASEMENT ADJACENT TO PUBLIC RIGHT-OF-WAY. RIGHT-OF-WAY CROSSINGS SHALL HAVE A MINIMUM HORIZONTAL SEPARATION FROM OTHER UTILITIES (SEWER, WATER, AND STORM) OF 5 FEET.
- ALL CONSTRUCTION SURVEYING FOR EXTENSIONS OF PUBLIC FACILITIES SHALL BE DONE UNDER THE DIRECTION OF A WASHINGTON STATE LICENSED LAND SURVEYOR OR A WASHINGTON STATE LICENSED PROFESSIONAL CIVIL ENGINEER.
- DURING CONSTRUCTION, ALL PUBLIC STREETS ADJACENT TO THIS PROJECT SHALL BE KEPT CLEAN OF ALL MATERIAL DEPOSITS RESULTING FROM ON-SITE CONSTRUCTION, AND EXISTING STRUCTURES SHALL BE PROTECTED AS DIRECTED BY THE CITY.
- CERTIFIED RECORD DRAWINGS ARE REQUIRED PRIOR TO PROJECT ACCEPTANCE.
- A NPDES STORMWATER GENERAL PERMIT MAY BE REQUIRED BY THE DEPARTMENT OF ECOLOGY FOR THIS PROJECT. FOR INFORMATION CONTACT THE DEPARTMENT OF ECOLOGY, SOUTHWEST REGION OFFICE AT (360)407-6300.
- ANY DISTURBANCE OR DAMAGE TO CRITICAL AREAS AND ASSOCIATED BUFFERS, OR SIGNIFICANT TREES DESIGNATED FOR PRESERVATION AND PROTECTION SHALL BE MITIGATED IN ACCORDANCE WITH A MITIGATION PLAN REVIEWED AND APPROVED BY THE CITY'S PLANNING DIVISION. PREPARATION AND IMPLEMENTATION OF THE MITIGATION PLAN SHALL BE AT THE DEVELOPER'S EXPENSE.

CONSTRUCTION NOTES AND DETAILS

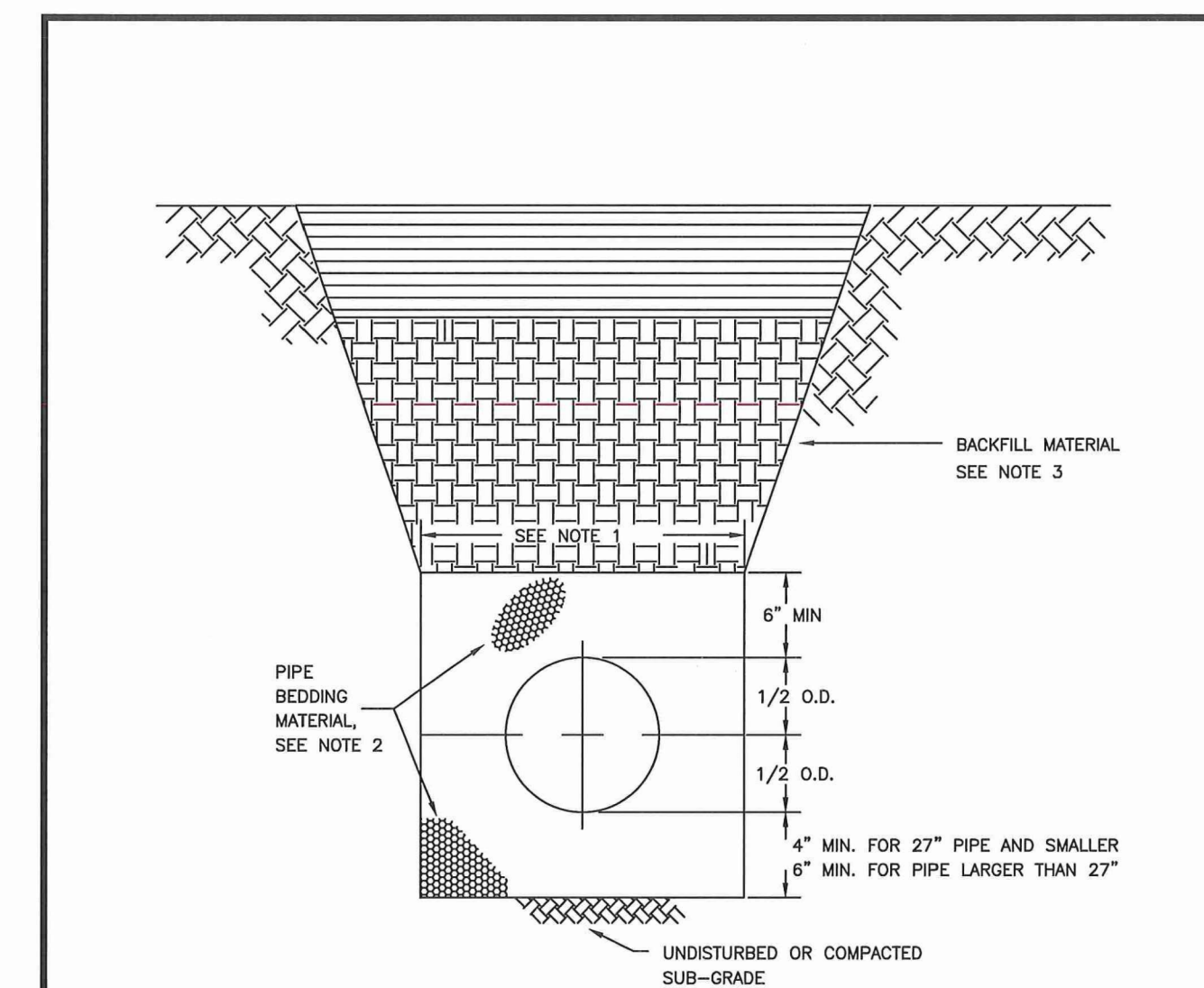
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GERMAINE KORUM CENTER
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CITY OF PUYALLUP PIERCE COUNTY WASHINGTON



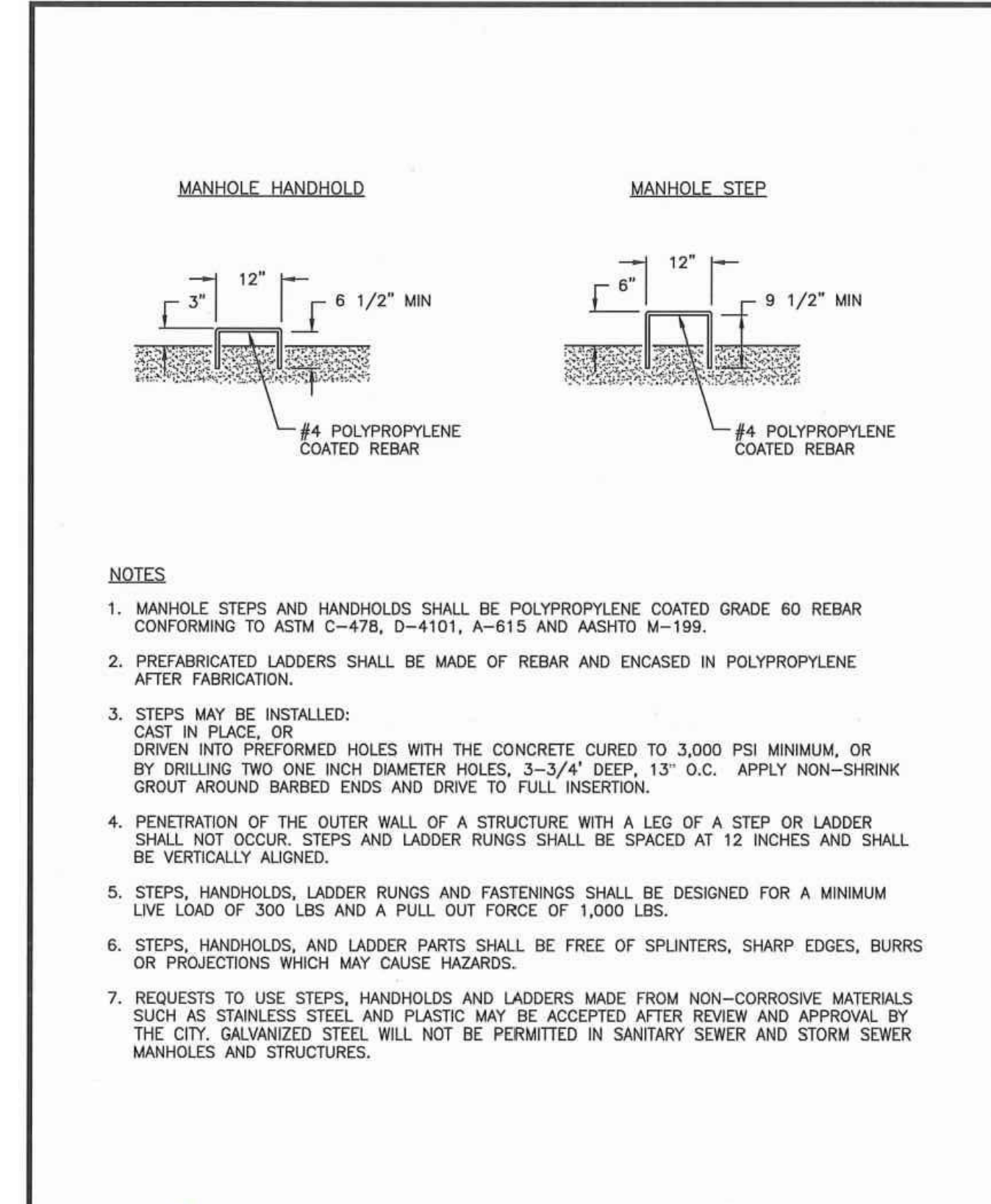
CITY OF PUYALLUP DEVELOPMENT ENGINEERING AND PUBLIC WORKS DEPARTMENTS		SANITARY SEWER MANHOLE		CITY STANDARD 06.01.01	
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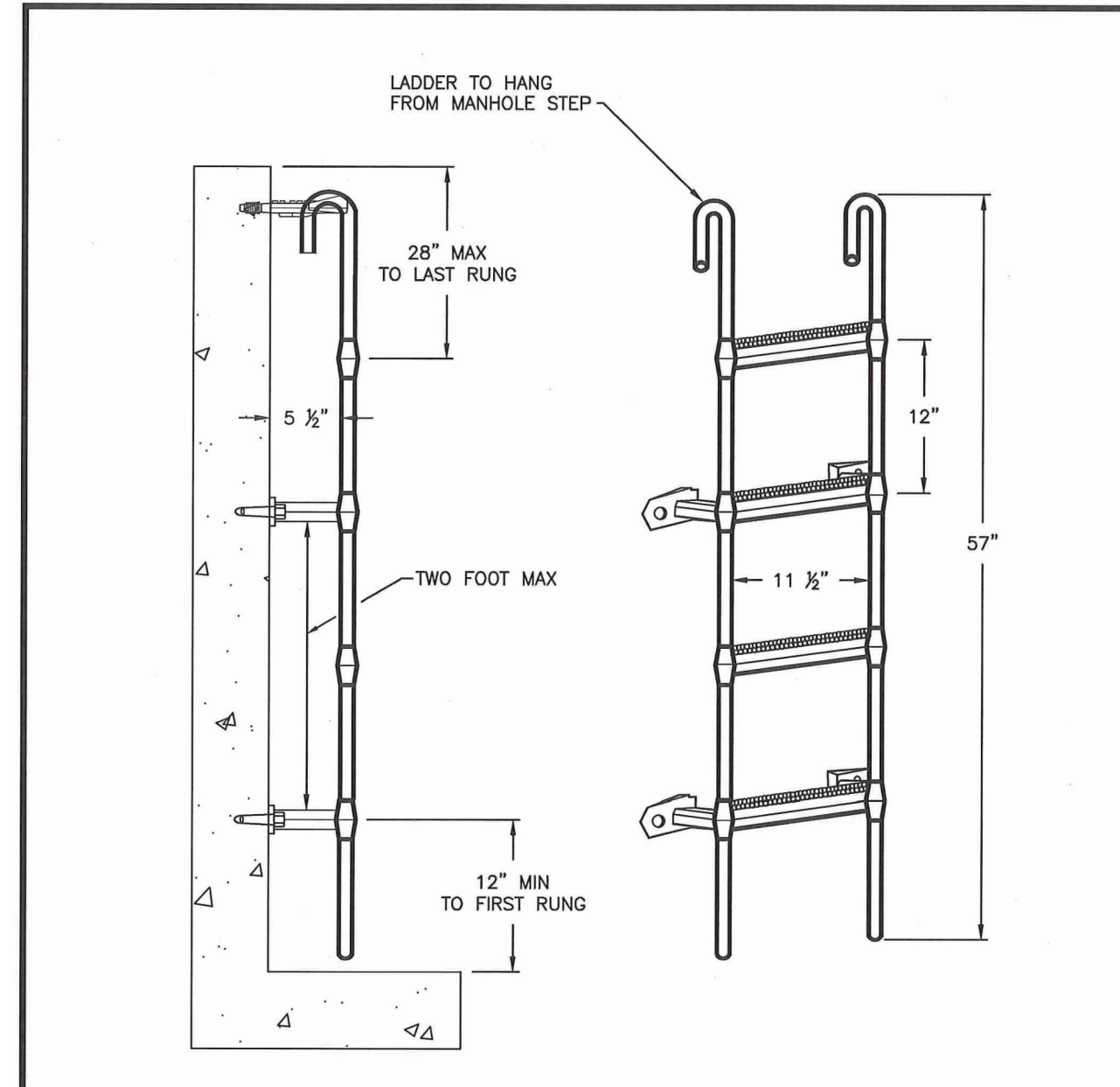
CITY OF PUYALLUP OFFICE OF THE CITY ENGINEER		MANHOLE FRAME AND COVER		CITY STANDARD 06.01.02	
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CITY OF PUYALLUP OFFICE OF THE CITY ENGINEER		PIPE TRENCHING BEDDING AND BACKFILL		CITY STANDARD 06.01.01	
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CITY OF PUYALLUP OFFICE OF THE CITY ENGINEER		MANHOLE STEP AND HANDHOLD		CITY STANDARD 06.01.03	
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CITY OF PUYALLUP OFFICE OF THE CITY ENGINEER		MANHOLE LADDER		CITY STANDARD 06.01.04	
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SEWER NOTES:

- ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE CITY OF PUYALLUP. PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE ENGINEERING PLANS, REPRESENTATIVES FROM ALL APPLICABLE UTILITY COMPANIES, THE PROJECT OWNER AND APPROPRIATE CITY STAFF. CONTACT ENGINEERING SERVICES TO SCHEDULE THE MEETING (253) 841-5568. THE CONTRACTOR IS RESPONSIBLE TO HAVE THEIR OWN APPROVED SET OF PLANS AT THE MEETING.
- AFTER COMPLETION OF ALL ITEMS SHOWN ON THESE PLANS AND BEFORE ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL OBTAIN A PUNCH LIST PREPARED BY THE CITY'S INSPECTOR DETAILING REMAINING ITEMS OF WORK TO BE COMPLETED. ALL ITEMS OF WORK SHOWN ON THESE PLANS SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF THE SEWER SYSTEM AND PROVISION OF SANITARY SEWER SERVICE.
- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (HEREINAFTER REFERRED TO AS THE 'STANDARD SPECIFICATIONS'), WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER, LATEST EDITION, UNLESS SUPERSEDED OR AMENDED BY THE CITY OF PUYALLUP CITY STANDARDS FOR PUBLIC WORKS ENGINEERING AND CONSTRUCTION (HEREINAFTER REFERRED TO AS THE 'CITY STANDARDS').
- A COPY OF THESE APPROVED PLANS AND APPLICABLE CITY DEVELOPER SPECIFICATIONS AND DETAILS SHALL BE ON SITE DURING CONSTRUCTION.
- ANY REVISIONS MADE TO THESE PLANS MUST BE REVIEWED AND APPROVED BY THE DEVELOPER'S ENGINEER AND THE ENGINEERING SERVICES STAFF PRIOR TO ANY IMPLEMENTATION IN THE FIELD. THE CITY SHALL NOT BE RESPONSIBLE FOR ANY ERRORS AND/OR OMISSIONS ON THESE PLANS.
- THE CONTRACTOR SHALL HAVE ALL UTILITIES VERIFIED ON THE GROUND PRIOR TO ANY CONSTRUCTION. CALL (811) AT LEAST TWO WORKING DAYS IN ADVANCE. THE OWNER AND HIS/HER ENGINEER SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS.
- ANY STRUCTURE AND/OR OBSTRUCTION WHICH REQUIRE REMOVAL OR RELOCATION RELATING TO THIS PROJECT SHALL BE DONE SO AT THE DEVELOPER'S EXPENSE.
- MINIMUM GRADE ON ALL 4 INCH RESIDENTIAL SIDE SEWERS SHALL BE 2 PERCENT AND 6 INCH COMMERCIAL SIDE SEWERS SHALL BE 1 PERCENT; MAXIMUM SHALL BE 8 PERCENT. ALL SIDE SEWERS SHALL BE 6 INCHES WITHIN CITY RIGHT-OF-WAY.
- SIDE SEWERS SHALL BE INSTALLED IN ACCORDANCE WITH CITY STANDARD NOS. 04.03.01, 04.03.02, 04.03.03 AND 04.03.04. SIDE SEWER INSTALLATION WORK SHALL BE DONE IN ACCORDANCE WITH THE WASHINGTON INDUSTRIAL SAFETY AND HEALTH ACT (WISHA).
- ALL SEWER PIPE SHALL BE PVC, POLYPROPYLENE, OR DUCTILE IRON. PVC SEWER PIPE SHALL CONFORM TO ASTM D-3034, SDR35 FOR PIPE SIZES 15-INCH AND SMALLER AND ASTM F679 FOR PIPE SIZES 18- TO 27-INCH, DUCTILE IRON PIPE SHALL BE CLASS 51 OR GREATER, LINED WITH PROTECTO 401TM EPOXY LINING OR EQUIVALENT, UNLESS OTHERWISE NOTED. 12-INCH THROUGH 30-INCH POLYPROPYLENE PIPE (PP) SHALL BE DUAL WALLED, HAVE A SMOOTH INTERIOR AND EXTERIOR CORRUGATIONS AND MEET WSDOT 9-05.24(2). IT SHALL MEET OR EXCEED ASTM F2764. 36-INCH THROUGH 60-INCH PP PIPE SHALL BE TRIPLE WALLED AND MEET WSDOT 9-05.24(2). IT SHALL MEET OR EXCEED ASTM F2764. PP SHALL HAVE A MINIMUM PIPE STIFFNESS OF 46 PII WHEN TESTED IN ACCORDANCE WITH ASTM D2412. TESTING SHALL BE PER ASTM F1417. TRENCHING, BEDDING, AND BACKFILL SHALL BE IN ACCORDANCE WITH CITY STANDARD NO. 06.01.01. MINIMUM COVER ON PVC AND PP PIPE SHALL BE 3.0 FEET. MINIMUM COVER ON DUCTILE IRON PIPE SHALL BE 1.0 FOOT.
- SANITARY SEWER MANHOLE FRAMES AND COVERS SHALL CONFORM TO CITY STANDARD NO. 06.01.02.
- SANITARY SEWER MANHOLES SHALL CONFORM TO CITY STANDARD NOS. 04.01.01, 04.01.02, 04.01.03 AND 04.01.04. ALL MANHOLES SHALL BE CHanneled FOR FUTURE LINES AS SPECIFIED ON THESE PLANS. MANHOLE STEPS AND LADDER SHALL CONFORM TO STANDARD NO. 06.01.03.
- SANITARY SEWER PIPE AND SIDE SEWERS SHALL BE 10 FEET AWAY FROM BUILDING FOUNDATIONS AND/OR ROOF LINES WITH THE EXCEPTION OF SIDE SEWERS THAT PROVIDE SERVICE TO A SINGLE-FAMILY RESIDENCE. AT THE DISCRETION OF THE REVIEW ENGINEER, A LICENSED PROFESSIONAL ENGINEER WILL BE REQUIRED TO STAMP THE DESIGN TO ACCOUNT FOR DEPTH OR PROXIMITY TO FOUNDATION, STEEP SLOPES, OR OTHER FACTORS.
- NO SIDE SEWERS SHALL BE CONNECTED TO ANY HOUSE OR BUILDING UNTIL ALL MANHOLES ARE ADJUSTED TO THE FINISHED GRADE OF THE COMPLETED ASPHALT ROADWAY AND THE ASPHALT PATCH AND SEAL AROUND THE RING ARE ACCEPTED.
- FOR COMMERCIAL DEVELOPMENTS IN WHICH SOURCES OF GREASE AND/OR OILS MAY BE INTRODUCED TO THE CITY SANITARY SEWER SYSTEM, A CITY APPROVED GREASE INTERCEPTOR SHALL BE INSTALLED DOWNSTREAM FROM THE SOURCE.
- ONCE SEWER AND ALL OTHER UTILITY CONSTRUCTION IS COMPLETED, ALL SANITARY SEWER MAINS AND SIDE SEWERS SHALL BE TESTED PER SECTION 406 OF THE CITY STANDARDS.

APPROVED

BY: _____
CITY OF PUYALLUP DEVELOPMENT SERVICES

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 ENGINEERING SERVICES MANAGER.

No.	Date	By	Appr.	Revised Per	Comments
6	11/05/21	MB	AS	DKB	REVISED PER CITY COMMENTS

CONSTRUCTION NOTES AND DETAILS

FOR
GERMAINE KORUM CENTER

STEP BY STEP
PO BOX 488
MILTON, WA 98354
PHONE: 253-896-0903

For: **DANIEL A. BALUNIS**
REGISTERED PROFESSIONAL ENGINEER
11/08/21

Scale: Horizontal Vertical

Designed: AS
Drawn: MB
Checked: AS
Approved: DKB
Date: 11/03/21

18215 72ND AVENUE SOUTH
KENT, WA 98032
(425)251-6222 FAX
(425)251-8782

CIVIL ENGINEERING, LAND PLANNING,
SURVEYING, ENVIRONMENTAL SERVICES

BARGHAUSEN CONSULTING ENGINEERS

Job Number: **17376**
Sheet: **S4** of **4**