

CITY OF AUBURN

KING & PIERCE COUNTIES, WASHINGTON

WEST HILL SPRINGS IMPROVEMENTS PROJECT

PROJECT NO. CP1417

CONTRACT NO. 16-04

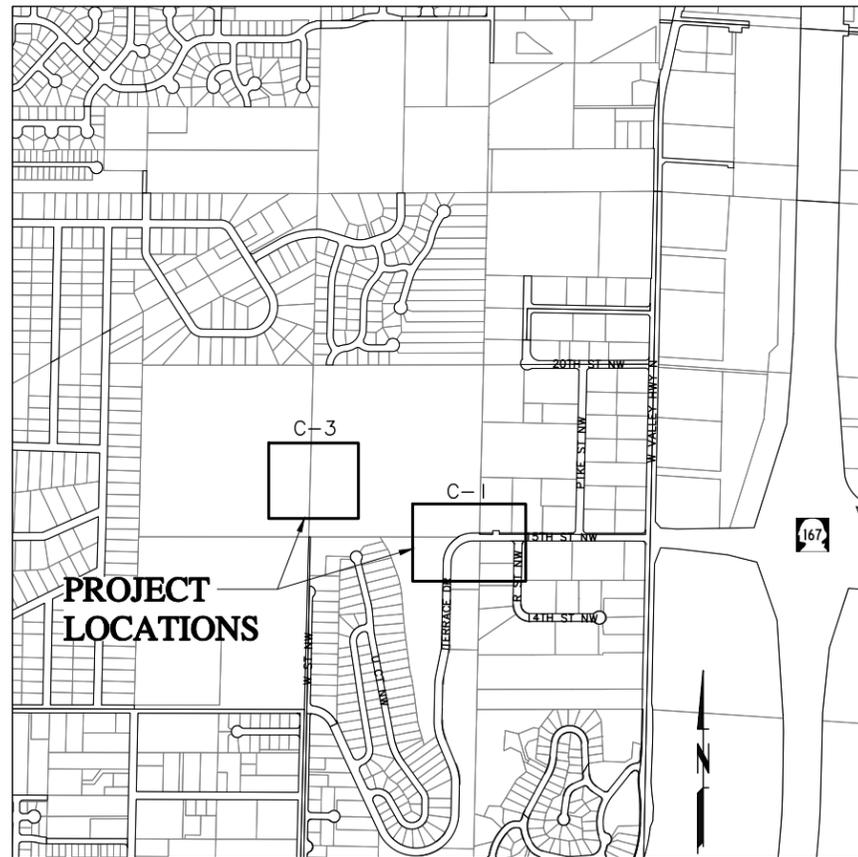
CITY OFFICIALS

Nancy Backus
Mayor

Kevin Snyder
Director of Community Development
and Public Works

Ingrid Gaub, P.E.
City Engineer
Assistant Director of Engineering
Services

Luis Barba, P.E.
Project Manager



VICINITY MAP
NOT TO SCALE

DRAWING INDEX

SHEET	DRAWING	DESCRIPTION
1	GN-1	COVER SHEET
2	GN-2	GENERAL INFORMATION
3	C-1	SITE IMPROVEMENTS AND FLOW METER VAULT PLAN AND DETAILS
4	C-2	SHUTOFF VALVE VAULT PLAN AND DETAILS
5	C-3	HATCH AND BUILDING IMPROVEMENTS PLAN AND PHOTOS
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10	E-3	ONE-LINE DIAGRAM

Agency Review Submittal - Not for Construction



**COMMUNITY DEVELOPMENT
& PUBLIC WORKS**
25 West Main Street Auburn,
Washington

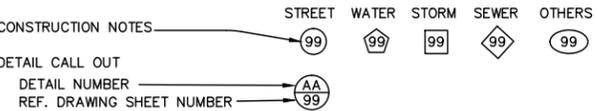
CITY OF AUBURN APPROVALS		PROJECT NUMBER
THIS PLAN SET, SHEETS <u>1</u> to <u>X</u> , ARE APPROVED FOR CONSTRUCTION BY:		CP1417
INGRID GAUB, P.E., CITY ENGINEER	DATE: _____	CONTRACT NUMBER 16-04
REVIEWED BY:		
RYAN VONDRAK, P.E. Capital Projects Manager	DATE: _____	
JACOB SWEETING, P.E. Assistant City Engineer	DATE: _____	
MIKE KAMENZIND, Construction Manager	DATE: _____	
SUSAN FENHAUS, P.E. Water Utility Engineer	DATE: _____	SHEET GN-1 1 OF 10
ROBERT BURTON, P.L.S. Survey Supervisor	DATE: _____	

WATER SYMBOLS

SYMBOL EXIST.	PROP.	DESCRIPTION
○	●	GUARD POST
△	▲	THRUST BLOCK
⊠	■	WATER METER
⊙	●	FIRE HYDRANT
⊠	■	SPRINKLER VALVE BOX
⊠	■	GATE VALVE GEN.
⊠	■	BLOW-OFF VALVE
⊠	■	BUTTERFLY VALVE
⊠	■	CHECK VALVE
⊠	■	PLUG VALVE
⊠	■	CAP/PLUG
⊠	■	COUPLING
⊠	■	ADAPTER, FLG x MJ
⊠	■	REDUCER
⊠	■	TAPPING TEE & VALVE, FLG x MJ
⊠	■	VERTICAL BEND FLG
⊠	■	VERTICAL BEND MJ

SURVEY SYMBOLS

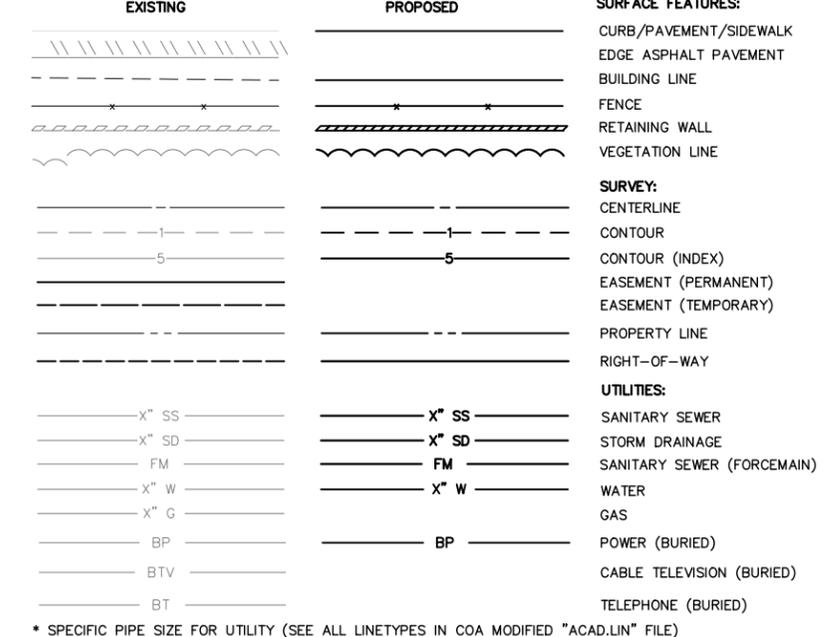
SYMBOL EXIST.	PROP.	DESCRIPTION
△		ANGLE POINT
⊕		BENCHMARK
○		BLOCK CORNER
○		IRON PIPE
⊕	⊕	MONUMENT (IN CASE)
⊕	⊕	MONUMENT (SURFACE)
⊕		SECTION CORNER MONUMENT
⊕		SOIL BORING
HV7 △		AERIAL MAPPING CONTROL POINT
⊕ CTL 125		CONSTRUCTION BASELINE CONTROL POINT
○		ANGLE POINT
(282105-9007) or 950090-0490		KING COUNTY PARCEL NUMBER (10 Digit Number)



ABBREVIATIONS

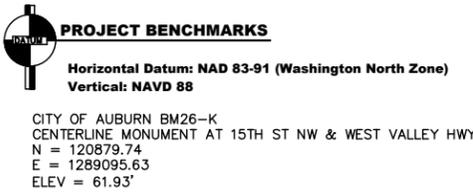
A	AMP	OH	OVERHEAD
ABAN	ABANDON	OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
AC	ASPHALT CONCRETE	PE	PLAIN END
ACP	ASPHALT CONCRETE PAVEMENT	P.E.	PROFESSIONAL ENGINEER
ADJ	ADJUST/ADJUSTABLE	PNT	POINT
AL	ALUMINUM	PROP	PROPOSED
APPVD	APPROVED	PRV	PRESSURE REDUCING VALVE STATION
APPROX	APPROXIMATE	PS	PUMP STATION
ASSY	ASSEMBLY	PSE	PUGET SOUND ENERGY
		PSF	POUNDS PER SQUARE FOOT
		PVC	POLYVINYL CHLORIDE
BFV	BUTTERFLY VALVE	R	RADIUS
BM	BENCHMARK	RD	ROAD
BND	BEND	RDCR	REDUCER
BOT	BOTTOM	REF	REFERENCE
BTWN	BETWEEN	RFC	RESTRAINED FLANGED COUPLING
		RT	RIGHT
		R/W, ROW	RIGHT OF WAY
CB	CATCH BASIN/CIRCUIT BREAKER	S, SO	SOUTH
CFD	CONTROLLED DENSITY FILL	SD	STORM DRAIN
CL2	CHLORINE	SDMH	STORM DRAIN MANHOLE
CONC	CEMENT CONCRETE	SE	SOUTHEAST
CL, C	CLASS, CENTERLINE	SEC	SECTION
CC	CURB & GUTTER	SQ	SQUARE
CO	CLEANOUT	SHT	SHEET
CoA	CITY OF AUBURN	SMP	SAMPLE
CONN	CONNECT	SPL	SPECIFICATIONS
CONST	CONSTRUCT, CONSTRUCTION	SPOOL	SPOOL
CONT	CONTINUED/CONTINUOUS	SS	SANITARY SEWER/SIZE IN INCHES
CSBC	CRUSHED SURFACING BASE COURSE	SSMH	SANITARY SEWER MANHOLE
CSTC	CRUSHED SURFACING TOP COURSE	SST	STAINLESS STEEL
CTL	BASELINE CONTROL POINT, CONTROL	ST	STREET
		STA	STATION
D	DRAIN	STD	STANDARD
DET(S)	DETAIL(S)	S/W	SIDEWALK
DI	DUCTILE IRON	SW	SOUTHWEST
DIA	DIAMETER		
DWG	DRAWING	TB	THRUST BLOCK
E	EAST	THD	THREAD(ED)
EA	EACH	TMH	TELEPHONE MANHOLE
ELEC	ELECTRIC	TRANS	TRANSITION
EL, ELEV	ELEVATION	TV	TELEVISION
ENGR	ENGINEER	TYP	TYPICAL
EOP	EDGE OF PAVEMENT		
EPDM	ETHYLENE PROPYLENE DIENE MONOMER	U/G	UNDERGROUND
EQ	EQUAL	UP	UTILITY POLE
EX, EXIST	EXISTING	UTIL	UTILITY
		VERT	VERTICAL
FCA	FLANGE COUPLING ADAPTER	W	WEST, WATER, WATER SERVICE
FH	FIRE HYDRANT	WA	WASHINGTON
FIN	FINISH(ED)	W/	WITH
FLG	FLANGE(D)	WL	WATERLINE
FO	FIBER OPTIC	WSDOT	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
FOC	FACE OF CURB	WWF	WELDED WIRE FABRIC
FT	FEET/FOOT	WV	WATER VALVE
G	GAS LINE		
GR	GRADE		
GV	GATE VALVE		
HDPE	HIGH DENSITY POLYETHYLENE		
HMA	HOT MIX ASPHALT		
HORIZ	HORIZONTAL		
HP	HORSEPOWER		
HT	HEIGHT		
IE	INVERT ELEVATION		
IN	INCH(ES)		
INJ	INJECTION		
INT	INTERSECTION		
IPT	IRON PIPE THREADS		
JB, J-BOX	JUNCTION BOX		
LB(S)	POUND(S)		
LED	LIGHT EMITTING DIODE		
LF	LINEAL FOOT/FEET		
LOC	LOCATION		
LT	LENGTH TO FIT		
LUMIN	LUMINAIRE		
MAX	MAXIMUM		
MB	MAILBOX		
MH	MANHOLE		
MIN	MINIMUM		
MJ	MECHANICAL JOINT		
MON	MONUMENT		
MTS	MANUAL TRANSFER SWITCH		
NA	NOT APPLICABLE		
NAD	NORTH AMERICAN DATUM		
NAVD	NORTH AMERICAN VERTICAL DATUM		
NO	NUMBER		
NTS	NOT TO SCALE		
NW	NORTHWEST		
OC	ON CENTER		

LINETYPES



SANITARY/STORM SEWER SYMBOLS

SYMBOL EXIST.	PROP.	DESCRIPTION
○	●	SANITARY SEWER CLEAN OUT
○	●	SANITARY SEWER MANHOLE (As Labeled in the Plans)
□	■	STORM DRAIN CATCH BASIN
⊕	⊕	STORM DRAIN MANHOLE (As Labeled in the Plans)
⊕	⊕	STORM DRAIN MANHOLE OFF CENTER
○	●	STORM DRAIN CLEAN OUT
◁ OR ▷	◁ OR ▷	DIRECTION OF FLOW (STORM or SEWER)
↔	↔	STORM DRAIN CULVERT



GAS/POWER/TELEPHONE SYMBOLS

SYMBOL EXIST.	PROP.	DESCRIPTION
⊠	■	GAS VALVE
⊠	■	POWER VAULT
⊠	■	UTILITY POLE
⊠	■	UTILITY POLE ANCHOR
⊠	■	TELEPHONE VAULT
⊠	■	TELEPHONE MANHOLE

SURFACE FEATURES/LANDSCAPING

SYMBOL EXIST.	PROP.	DESCRIPTION
		EMBANKMENT
		MAILBOX
		SHRUB
		ROCKERY
		RIP RAP
		SIGN
		TREE (CONIFER)
		TREE (DECIDUOUS)
		WHEELCHAIR RAMP WITH TRUNCATED DOME
		YARD LIGHT
		HATCH (SYMBOL) FOR CEMENT CONCRETE
		HATCH (SYMBOL) FOR GRAVEL
		EXISTING BUILDING

CITY OF AUBURN GENERAL NOTES:

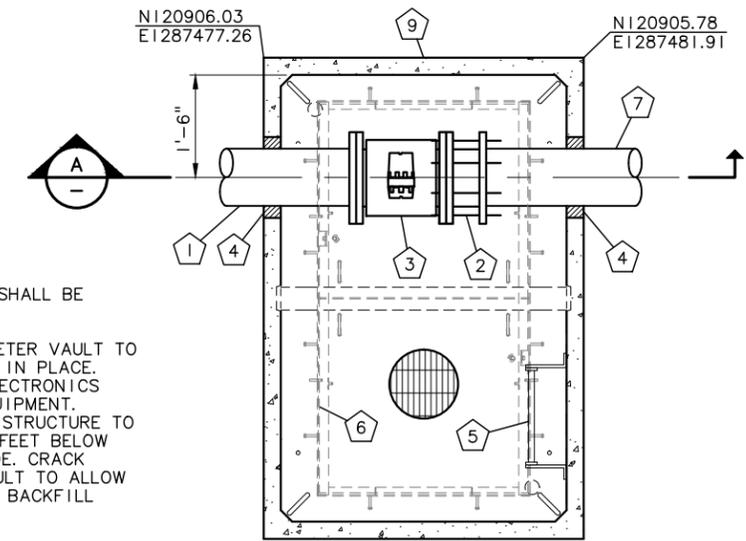
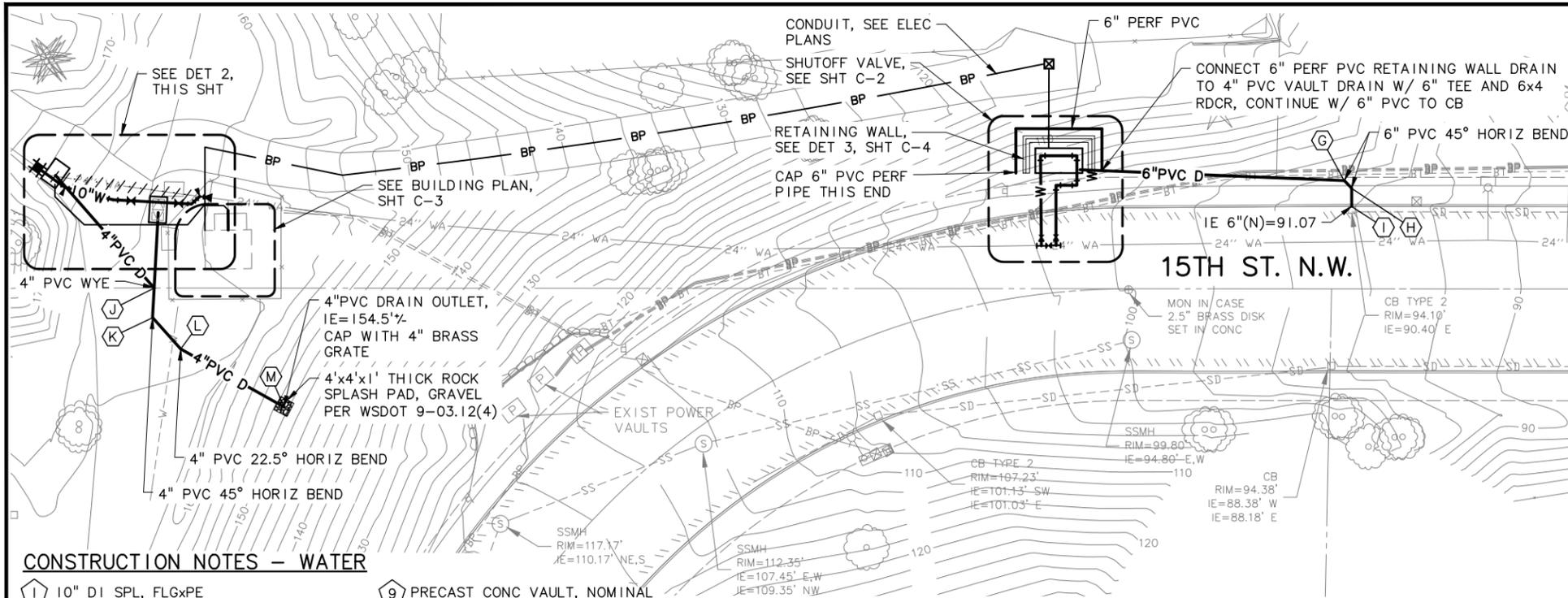
- ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE CITY OF AUBURN'S REQUIREMENTS AND SPECIFICATIONS.
- STANDARD PLANS SHALL BE THE LATEST EDITION AND SPECIFICATIONS SHALL BE 2016 WSDOT/APWA AS MODIFIED BY THE CITY OF AUBURN, INCLUDING AUBURN'S STANDARD DETAILS. A COPY OF THESE APPROVED PLANS AND APPLICABLE DETAILS SHALL BE ON SITE DURING CONSTRUCTION.
- PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL CALL ONE-CALL (811) FOR UTILITY LOCATIONS.
- DURING CONSTRUCTION, THE CONTRACTOR SHALL BE REQUIRED TO CONTROL ON-SITE STORM WATER RUNOFF BY USING TEMPORARY OR PERMANENT DRAINAGE EROSION/SILTATION CONTROL PROCEDURES.
- LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE TRUE DEPTHS AND LOCATIONS OF ALL UNDERGROUND UTILITIES.

Agency Review Submittal - Not for Construction

BURIED UTILITIES IN AREA
PLEASE CALL BEFORE YOU DIG
811

07/28/16 11:02 PM | BRETT WILLIAMS | K:\PROJECTS\151785-AUBURN WEST HILL SPRINGS\CAUS\151785-WA-G.DWG

No.	Date	Revision	DRAWN TO SCALE, SCALE MAY BE DISTORTED IF REPRODUCED	RECORD DRAWING CERTIFICATION	These drawings conform to the Contractor's construction records. Drawn By _____ Date _____ Construction Inspection _____ Date _____	BY: DATE:			COMMUNITY DEVELOPMENT AND PUBLIC WORKS 25 West Main Street Auburn, Washington	REVIEWED BY: _____ DATE: _____	AUBURN WEST HILL SPRINGS GENERAL INFORMATION	PROJECT NO. CP1417
						Drawn BAW 7/28/16 Reviewed JTS 7/28/16 Approved MGM 7/28/16				SCALE: AS NOTED ONE INCH AS DRAWN		Project Manager _____ Construction Manager _____



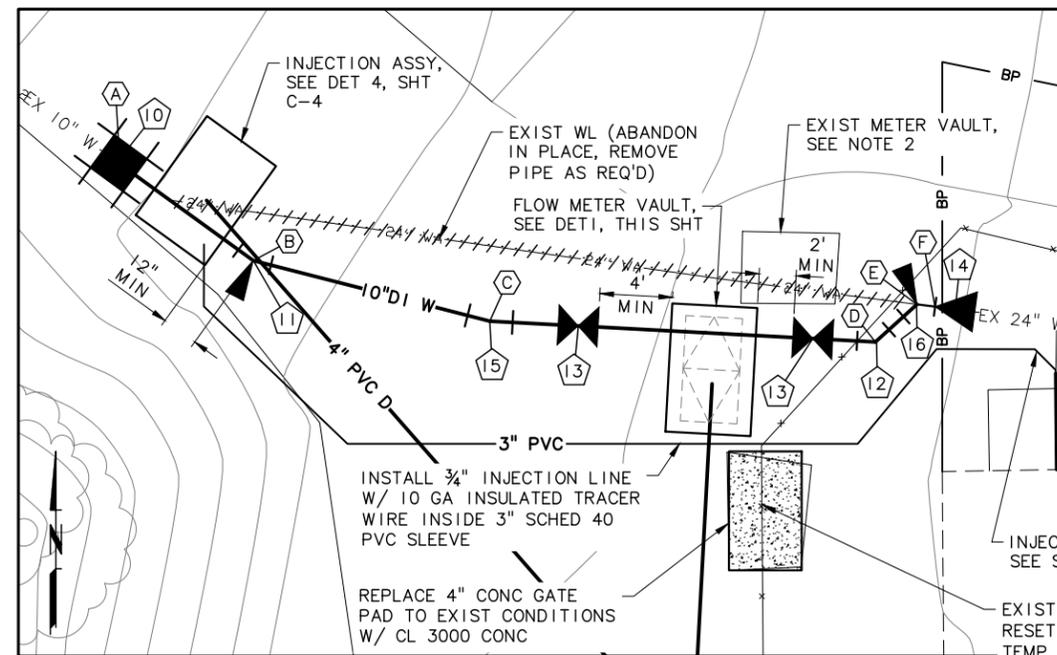
- NOTES:**
1. ALL JOINTS SHALL BE RESTRAINED.
 2. EXISTING METER VAULT TO BE ABANDONED IN PLACE. REMOVE ALL ELECTRONICS AND OTHER EQUIPMENT. REMOVE VAULT STRUCTURE TO A DEPTH OF 2 FEET BELOW FINISHED GRADE. CRACK BOTTOM OF VAULT TO ALLOW FOR DRAINAGE. BACKFILL WITH CSBC.

FLOW METER VAULT - PLAN (1)
SCALE: 3/4" = 1'-0"

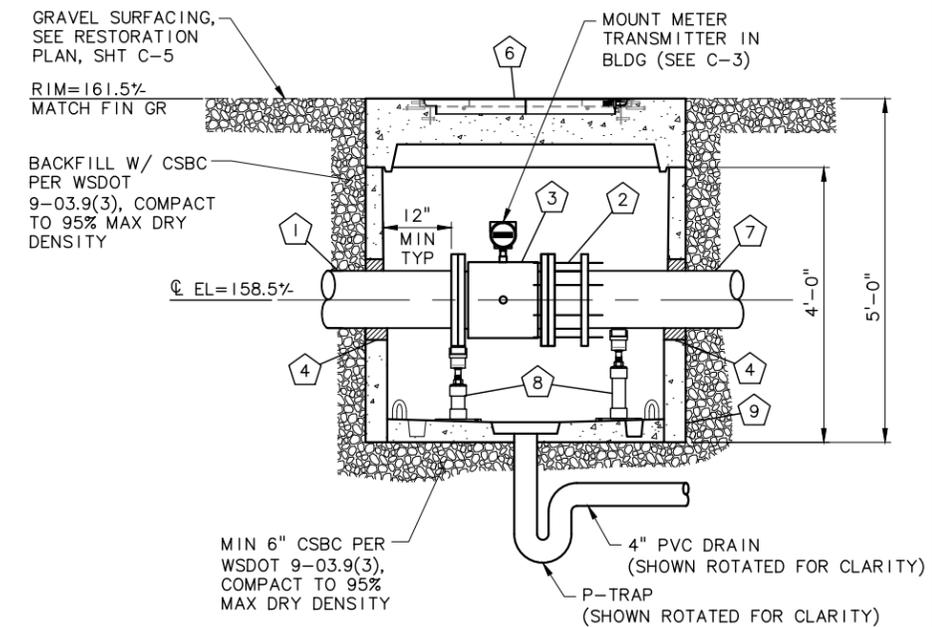
CONSTRUCTION NOTES - WATER

- | | |
|--|--|
| 1 10" DI SPL, FLGxPE | 9 PRECAST CONC VAULT, NOMINAL INSIDE DIMENSIONS: 6'-6"x4'-2" |
| 2 10" RFCA | 10 10" TRANS COUPLING, ROMAC 501, OR APPVD EQ |
| 3 10" MAGNETIC FLOW METER, FLG (CITY PROVIDED) | 11 10" DI 22.5° BEND, MJ, W/ TB |
| 4 LINK-SEAL, SEE DET 2, SHT C-4 | 12 10" DI 45° BEND, MJ, RESTRAINED |
| 5 OSHA-COMPLIANT LADDER W/ GALV COATING & BILCO LADDER UP SAFETY POST, OR APPVD EQ | 13 10" GV, MJ, RESTRAINED, W/ VALVE BOX |
| 6 42"x42" DOUBBLE-LEAF AL HATCH, H-20 RATED W/ LOCKING HASP | 14 24"x10" DI REDUCER, MJ |
| 7 10" DI SPL, PE, LENGTH AS REQ'D | 15 10" DI 11.25° BEND, MJ, RESTRAINED |
| 8 ADJ PIPE STAND, STANDON MODEL S96 OR APPVD EQ | 16 10" DI 45° BEND, MJ, W/ TB |

PLAN
SCALE: 1" = 20'



FLOW METER VAULT DETAIL (2)
SCALE: 1" = 5'



FLOW METER VAULT - SECTION (A)
SCALE: 3/4" = 1'-0"

COORDINATE TABLE			
PT NO.	DESCRIPTION	NORTHING	EASTING
A	10" COUPLING CONNECTION	N120913.64	E1287447.04
B	10" 22.5° BEND	N120908.37	E1287454.34
C	10" 11.25° BEND	N120905.06	E1287467.28
D	10" 45° BEND	N120903.93	E1287488.36
E	10" 45° BEND	N120905.97	E1287490.64
F	24"x10" REDUCER	N120905.85	E1287491.63
G	6" 45° BEND	N120910.26	E1287798.78
H	6" 45° BEND	N120908.18	E1287800.78
I	6" PVC CONNECTION TO CB	N120903.31	E1287800.78
J	4" PVC WYE	N120881.39	E1287478.35
K	4" PVC 45° BEND	N120873.44	E1287477.92
L	4" PVC 45° BEND	N120865.02	E1287485.48
M	4" PVC OUTLET	N120849.45	E1287513.27

Agency Review Submittal - Not for Construction
BURIED UTILITIES IN AREA PLEASE CALL BEFORE YOU DIG 811

No.	Date	Revision

DRAWN TO SCALE, SCALE MAY BE DISTORTED IF REPRODUCED

RECORD DRAWING CERTIFICATION

These drawings conform to the Contractor's construction records.

Drawn By _____ Date _____

Construction Inspection _____ Date _____

BY: DATE: 7/29/16

Drawn BAW

Reviewed JTS XX/XX/XXXX

Approved MGM XX/XX/XXXX

SCALE: AS NOTED

ONE INCH AS DRAWN

File: 15-1765-WA-C.DWG

PRELIMINARY ONLY

CITY OF AUBURN WASHINGTON

COMMUNITY DEVELOPMENT AND PUBLIC WORKS
25 West Main Street
Auburn, Washington

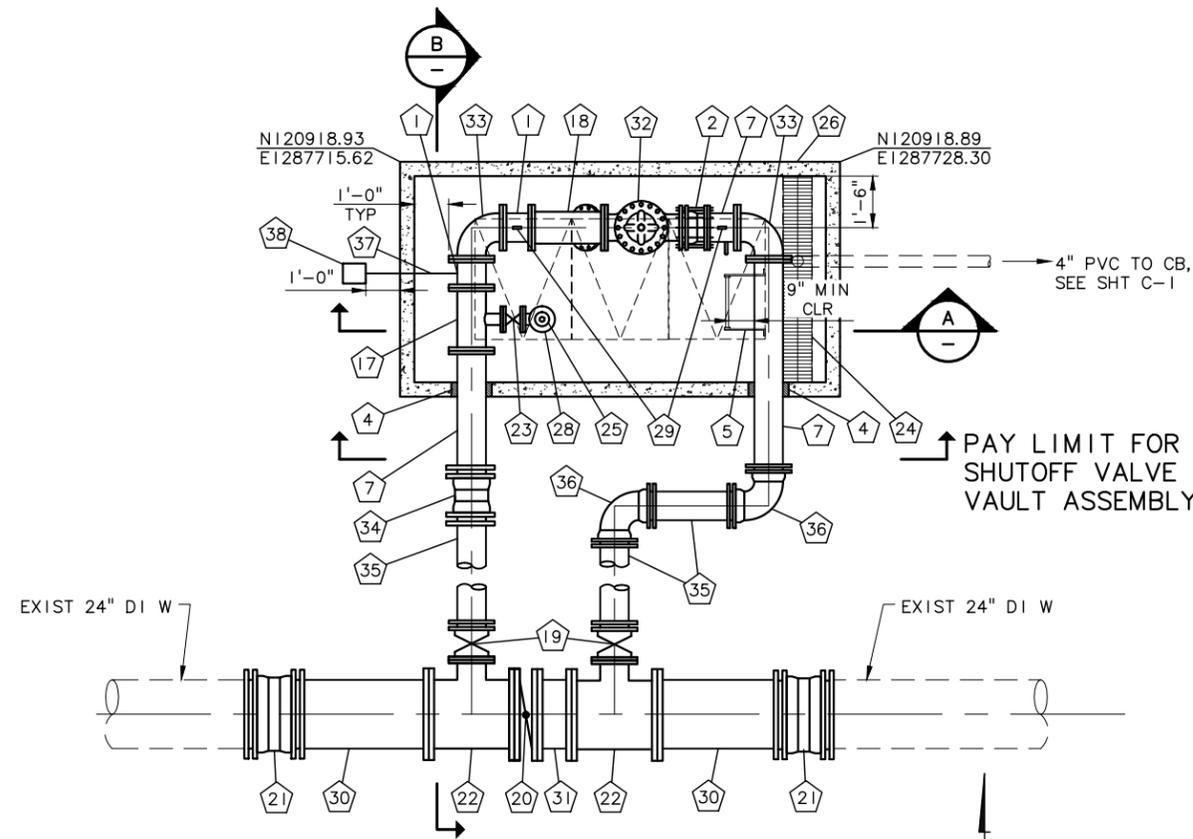
REVIEWED BY: _____ DATE: _____

Project Manager _____

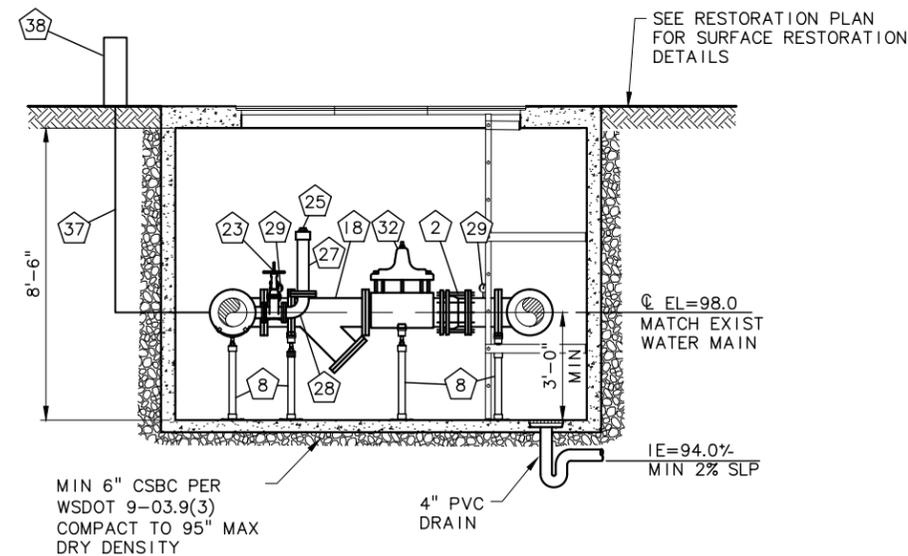
Construction Manager _____

AUBURN WEST HILL SPRINGS		PROJECT NO. CP1417
SITE IMPROVEMENTS AND FLOW METER VAULT PLAN AND DETAILS		CONTRACT NO. 16-04
		DRAWING NO. C-1
		SHEET 3 OF 10

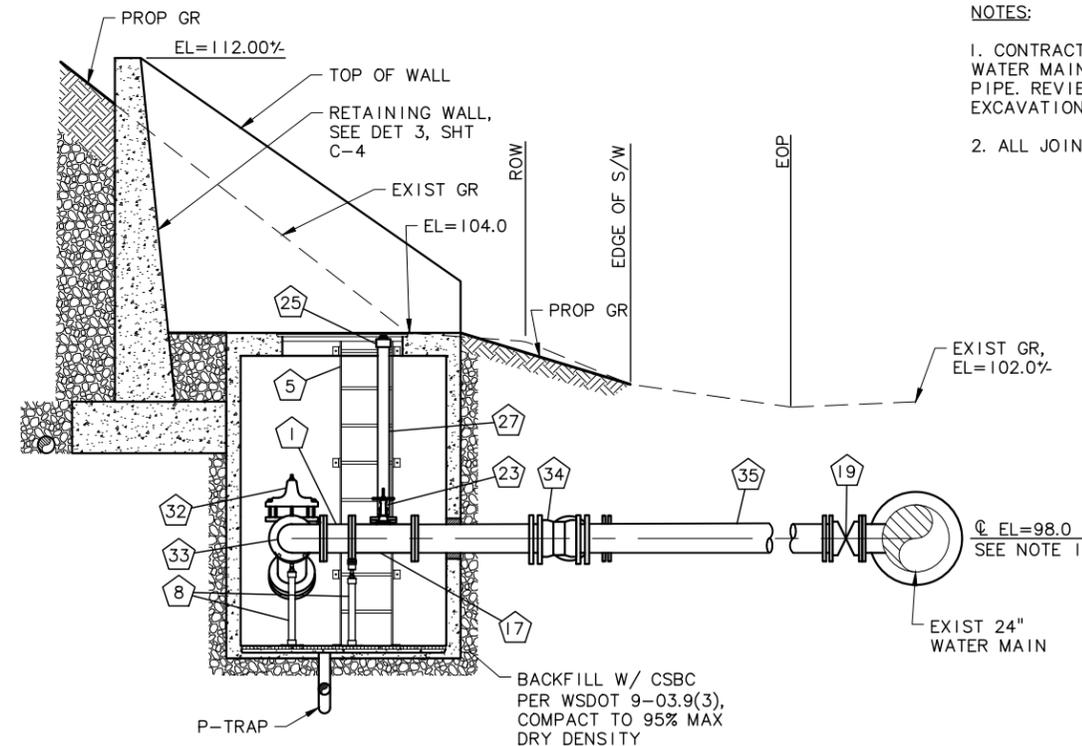
072916 11:08 AM | JOSHSIXTON | K:\PROJECTS\151765-AUBURN WEST HILL SPRINGS\CAUS\SHEETS\15-1765-WA-C.DWG



SHUTOFF VALVE VAULT - PLAN
SCALE: 3/8"=1'-0"



SHUTOFF VALVE VAULT - SECTION A
SCALE: 3/8"=1'-0"



SHUTOFF VALVE VAULT - SECTION B
SCALE: 3/8"=1'-0"

CONSTRUCTION NOTES - WATER

- 1 10" DI SPL, FLGxFLG
- 2 10" DI RFCA
- 4 LINK-SEAL, SEE DET 2, SHT C-4
- 5 OSHA-COMPLIANT LADDER W/ GALV COATING & BILCO LADDER UP SAFETY POST, OR APPVD EQ
- 7 10" DI SPL, FLGxPE, LENGTH AS REQ'D
- 8 ADJ PIPE STAND, STANDON MODEL S96 OR APPVD EQ
- 17 10"x4" DI TEE, FLG
- 18 10" DI WYE STRAINER COMPLETE W/ BLOW-DOWN VALVE #125, FLG
- 19 10" GV, FLGxMJ, RESTR, W/ VALVE BOX
- 20 24" BfV, FLG, W/ VALVE BOX
- 21 24" DI LONG BODY SLEEVE
- 22 24"x10" DI TEE, FLG
- 23 4" DI GV W/ HANDWHEEL, FLG
- 24 SUMP W/ SST GRATING
- 25 4" PVC THREADED CAP W/ 2" SQ NUT, INSTALL 3" MAX FROM METER BOX LID
- 26 PRECAST CONC VAULT W/ 3-LEAF, 3'x9' AL HATCH, NOMINAL INSIDE DIMENSIONS 6'x12'
- 27 4" DI PIPE, FLGxTHD
- 28 4" DI 90° BEND, FLG
- 29 FLUSHING/GAUGE PORT, SEE DET 1, SHT C-4
- 30 24" DI SPL, FLGxPE, APROX 4'-6" LENGTH
- 31 24" DI SPL, FLG 12" LENGTH
- 32 10" DI CONTROL VALVE, SEE SPECS
- 33 10" DI 90° BEND, FLG
- 34 10" DI LONG BODY SLEEVE, RESTR
- 35 10" DI SPL, PE, LENGTH TO FIT
- 36 10" DI 90° BEND, MJ, RESTR
- 37 3/4" TYPE K COPPER PIPE, LTF
- 38 SAMPLING STATION W/ LOCKING AL COVER, KUPFERLE MODEL ECLIPSE #88-SS OR APPVD EQ

- NOTES:**
- CONTRACTOR SHALL POTHOLE EXISTING WATER MAIN TO DETERMINE CENTERLINE OF PIPE. REVIEW WITH ENGINEER PRIOR TO EXCAVATION TO ADJUST AS NECESSARY.
 - ALL JOINTS SHALL BE RESTRAINED.

Agency Review Submittal - Not for Construction
AUBURN WEST HILL SPRINGS
BURIED UTILITIES IN AREA PLEASE CALL BEFORE YOU DIG 811

07/29/16 11:43 AM JOSH SEXTON K:\PROJECTS\15178-AUBURN WEST HILL SPRINGS\CAUS\15-1785-WA-C.DWG

No.	Date	Revision

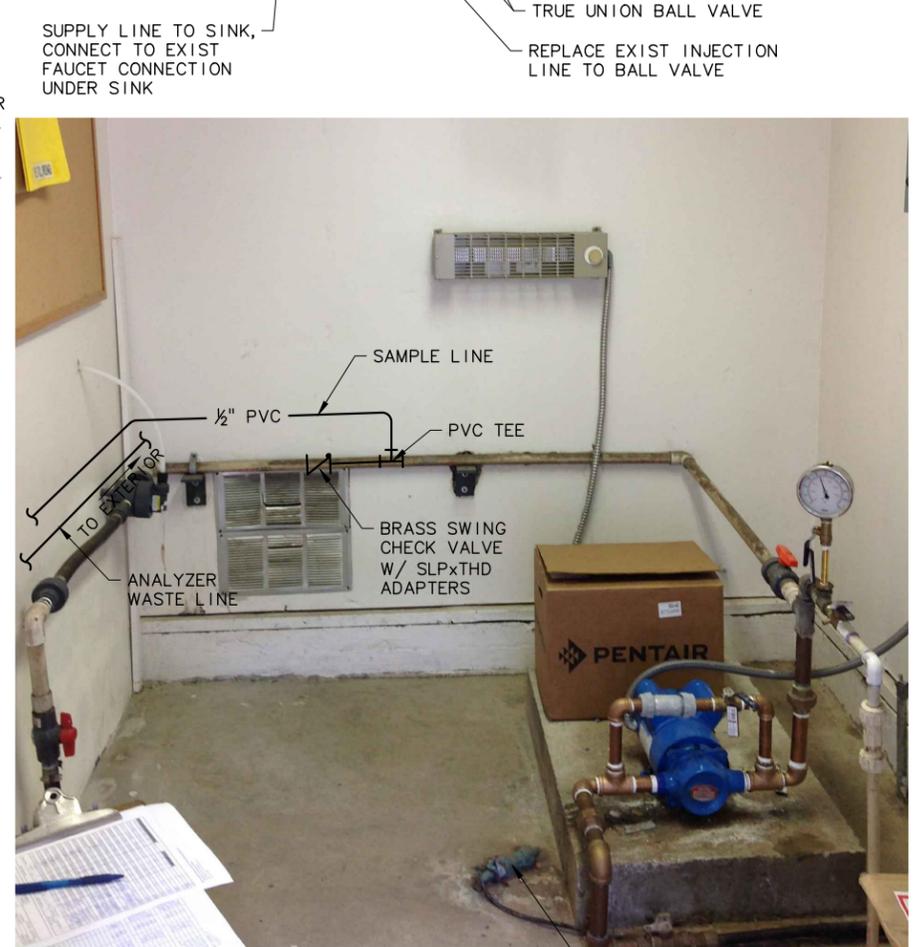
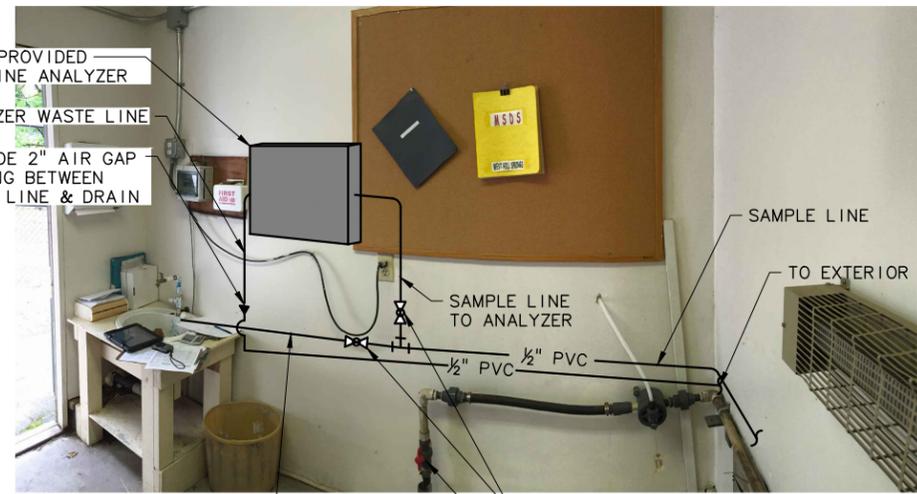
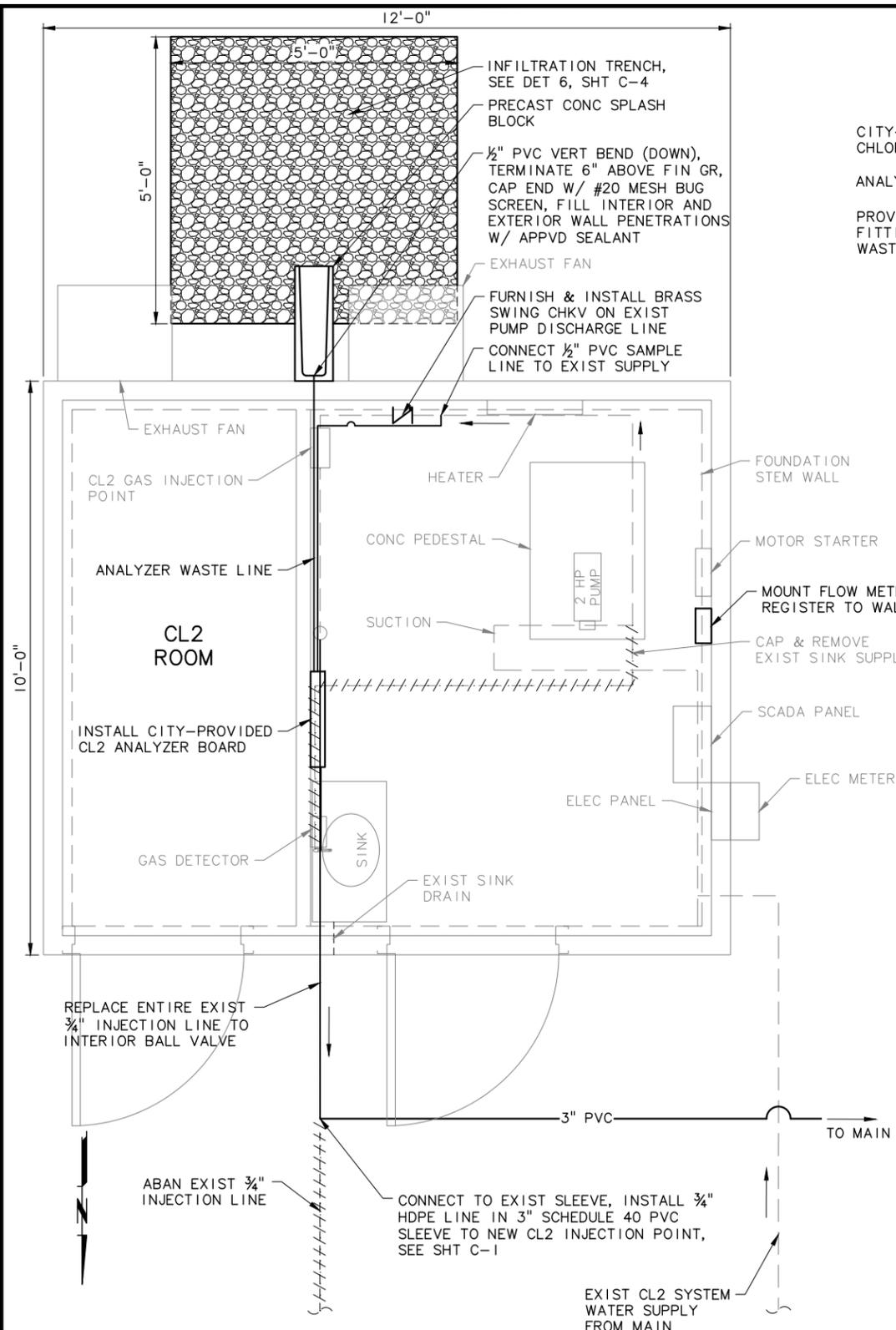
Drawn	BAW	7/29/16
Reviewed	JTS	XX/XX/XXXX
Approved	MGM	XX/XX/XXXX
SCALE: AS NOTED		
ONE INCH AS DRAWN		
File:	15-1785-WA-C.DWG	



COMMUNITY DEVELOPMENT AND PUBLIC WORKS
25 West Main Street
Auburn, Washington

REVIEWED BY:	DATE:
Project Manager	_____
Construction Manager	_____

AUBURN WEST HILL SPRINGS	
SHUTOFF VALVE VAULT PLAN AND DETAILS	
PROJECT NO.	CP1417
CONTRACT NO.	16-04
DRAWING NO.	C-2
SHEET	4 OF 10



BUILDING PLAN
SCALE: 3/8" = 1'-0"

07/29/16 11:47 AM | JOSHI, SEXTON | K:\PROJECTS\15178-AUBURN WEST HILL SPRINGS\CAUS\SHETS\15-1785-WA-C.DWG

No.	Date	Revision

Drawn	BAW	7/29/16
Reviewed	JTS	XX/XX/XXXX
Approved	MGM	XX/XX/XXXX
SCALE: AS NOTED		
ONE INCH AS DRAWN		
File: 15-1785-WA-C.DWG		



COMMUNITY DEVELOPMENT
AND PUBLIC WORKS
25 West Main Street
Auburn, Washington

REVIEWED BY:	DATE:
Project Manager	
Construction Manager	

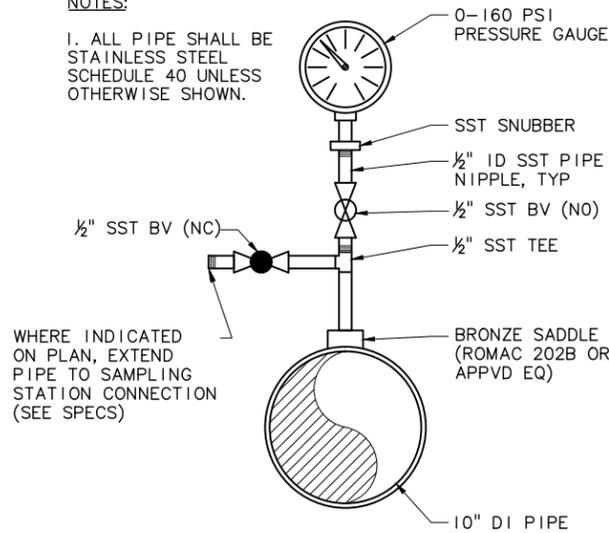
Agency Review Submittal - Not for Construction
BURIED UTILITIES IN AREA
PLEASE CALL BEFORE YOU DIG
811

AUBURN WEST HILL SPRINGS
HATCH AND BUILDING IMPROVEMENTS
PLAN AND PHOTOS

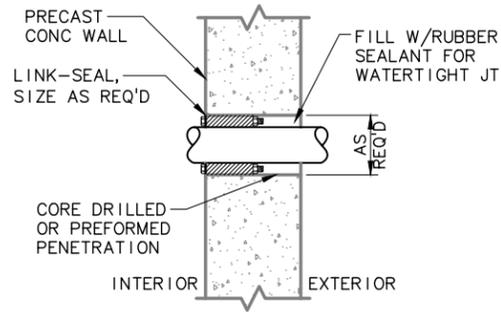
PROJECT NO.	CP1417
CONTRACT NO.	16-04
DRAWING NO.	C-3
SHEET	5 OF 10

NOTES:

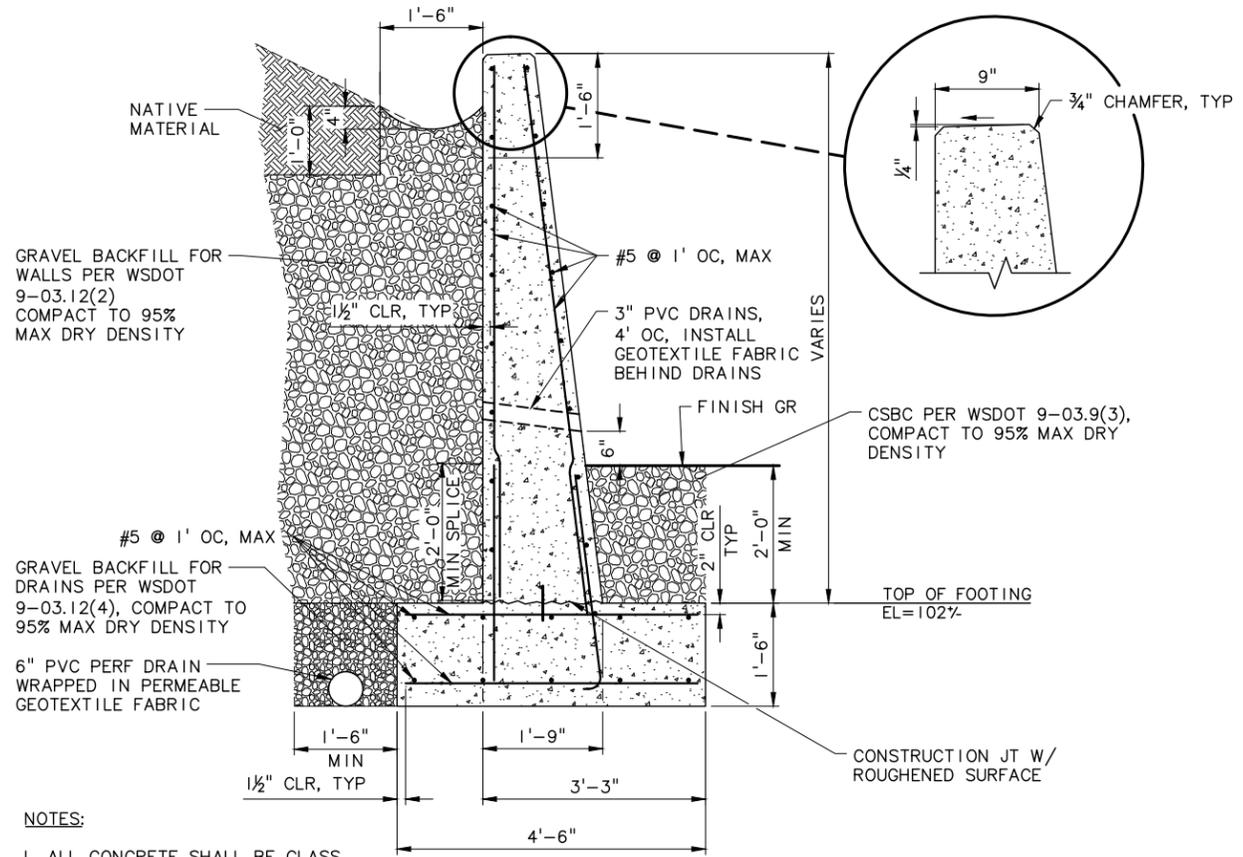
1. ALL PIPE SHALL BE STAINLESS STEEL SCHEDULE 40 UNLESS OTHERWISE SHOWN.



FLUSHING/GAUGE PORT 1
SCALE: NTS C-2

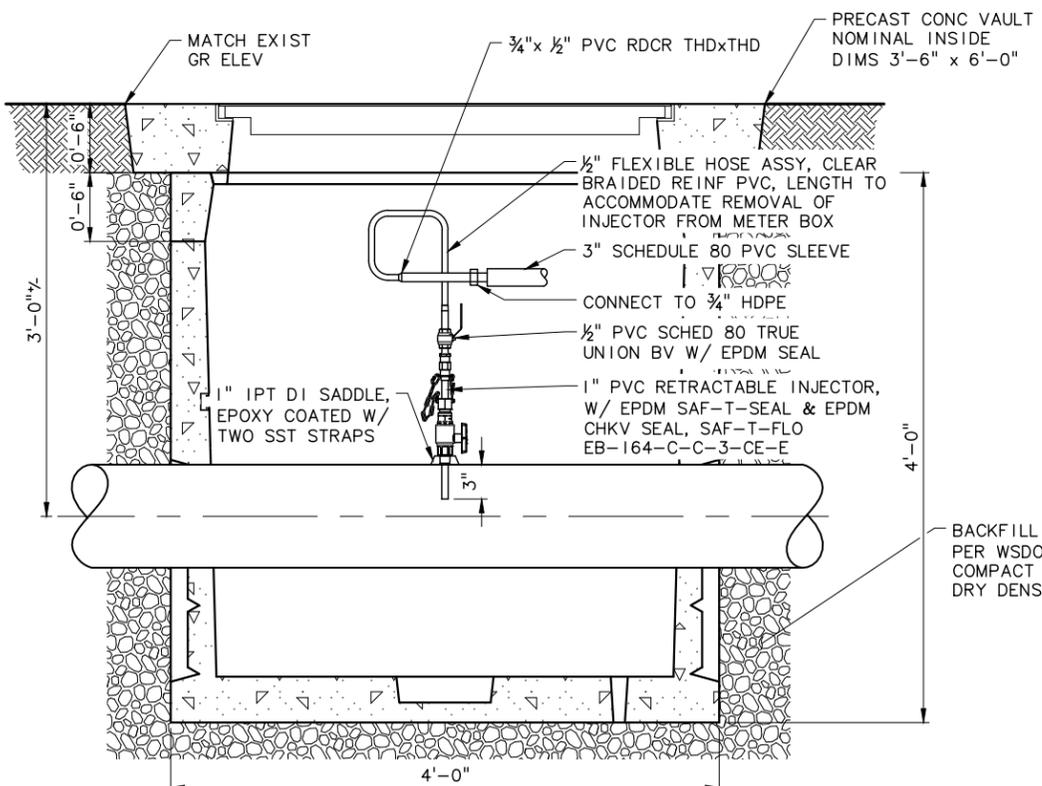


LINK-SEAL 2
SCALE: NTS C-1

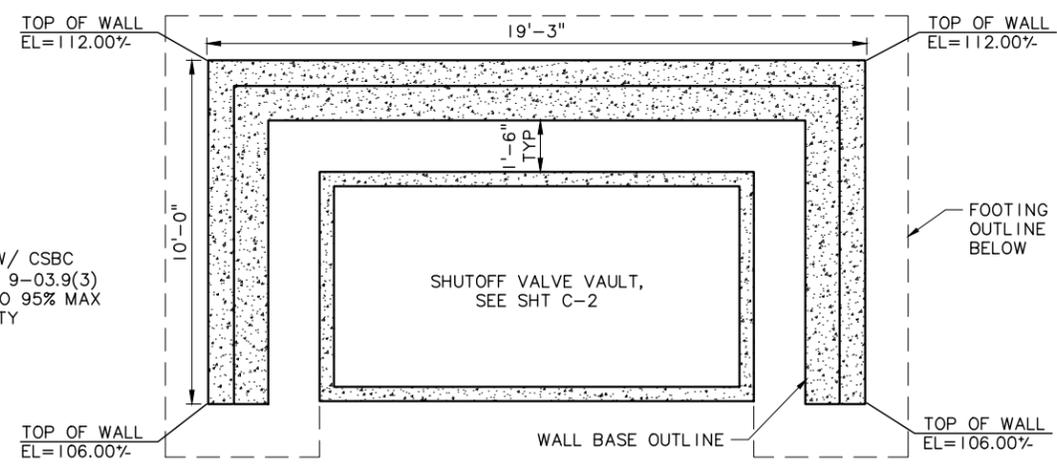


NOTES:
1. ALL CONCRETE SHALL BE CLASS 4000, EXCEPT AS NOTED.

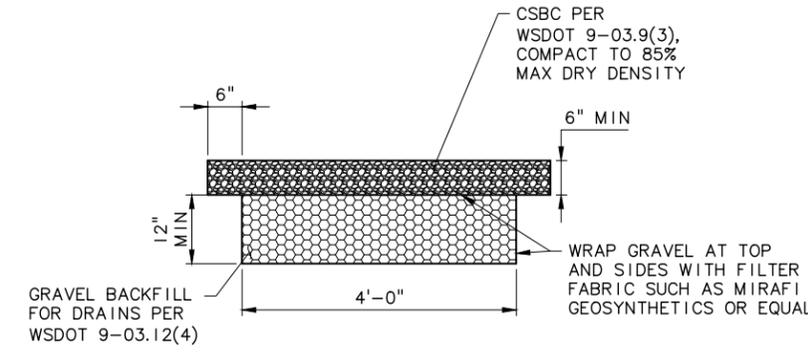
TYPICAL RETAINING WALL SECTION 3
SCALE: 3/4"=1'-0" C-2



INJECTION QUILL 4
SCALE: 1 1/2"=1'-0" C-3



RETAINING WALL - PLAN 5
SCALE: 3/8"=1'-0" C-2



INFILTRATION TRENCH DETAIL 6
SCALE: 3/4"=1'-0" C-3

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BURIED UTILITIES IN AREA PLEASE CALL BEFORE YOU DIG 811

072916 1 8:52 AM J. JOSHI/SEXTON K:\PROJECTS\151765-AUBURN WEST HILL SPRINGS\CAUSHE\15-1765-WA-C.DWG

No.	Date	Revision

Drawn	CAD	7/29/16
Reviewed	JTS	XX/XX/XXXX
Approved	MGM	XX/XX/XXXX
SCALE: AS NOTED		
Drawn By		Date
Construction Inspection		Date



COMMUNITY DEVELOPMENT AND PUBLIC WORKS
25 West Main Street
Auburn, Washington

REVIEWED BY:	DATE:
Project Manager	
Construction Manager	

AUBURN WEST HILL SPRINGS	
CIVIL DETAILS	
PROJECT NO.	CP1417
CONTRACT NO.	16-04
DRAWING NO.	C-4
SHEET	6 OF 10

NOTES THIS SHEET

- ① EXISTING SERVICE METER. SEE ONE LINE DIAGRAM FOR NEW WORK.
- ② CONNECT NEW FLOW SENSOR TO TRANSMITTER INSIDE BUILDING. VERIFY TRANSMITTER LOCATION WITH ENGINEER.
- ③ CONNECTION TO CONTROL VALVE. SEE CIVIL DRAWINGS FOR LOCATION. SEE SHEET E-3 FOR CONDUIT AND CONDUCTORS.

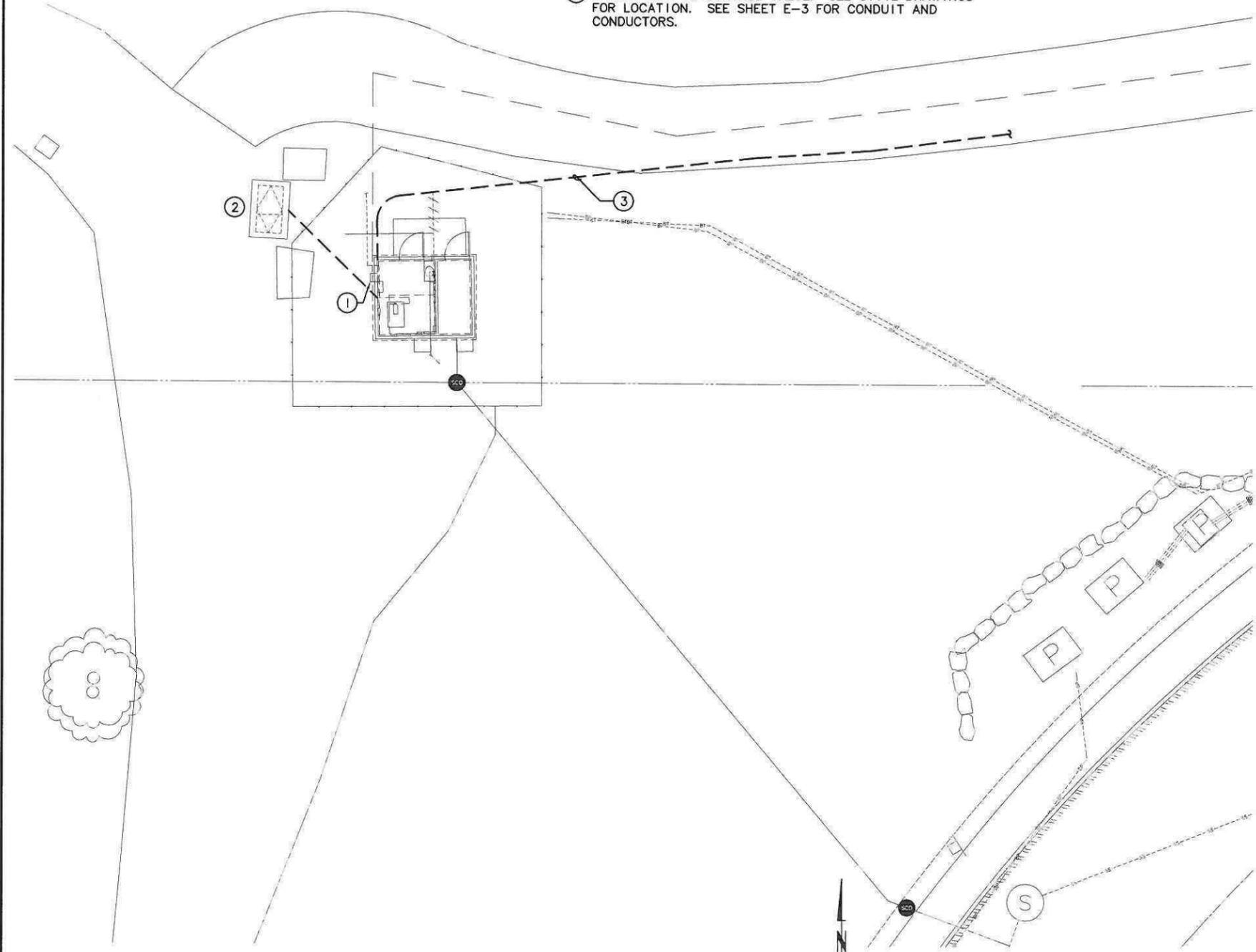
ELECTRICAL LEGEND

-  WALL MOUNTED LUMINAIRE
-  SURFACE MOUNTED FLUORESCENT LUMINAIRE
-  WALL SWITCH
-  DUPLEX RECEPTACLE-NORMAL, GROUND FAULT INTERRUPTING
-  CONNECTION TO SPECIAL EQUIPMENT OR OUTLET AS SHOWN
-  MOTOR OUTLET, HORSEPOWER INDICATED.
-  DISCONNECT SWITCH, RATING SHOWN
-  ELECTRICAL EQUIPMENT
-  JUNCTION BOX
-  P4 HOME RUN, ELECTRICAL PANEL DESTINATION SHOWN.
-  CONDUIT CONCEALED UNDERFLOOR OR UNDERGROUND.*
-  CONDUIT CONCEALED IN WALL OR ABOVE CEILING IN FINISHED AREAS, EXPOSED IN PROCESS AND EQUIPMENT AREAS.*

***NOTES:**

- 1. RUNS MARKED WITH CROSS-HATCHES INDICATE NUMBER OF NO. 12 WIRE. LARGER GAUGES ARE SHOWN OR NOTED ELSEWHERE. LONG CROSS HATCH INDICATES NEUTRAL, REVERSE SLANT INDICATES GREEN GROUND WIRE.
- 2. FOR UNMARKED CONDUIT RUNS, CONTRACTOR SHALL INSTALL REQUIRED NUMBER OF WIRES FOR POWER AND/OR CONTROL OF ELEMENTS IN CIRCUIT(S) SHOWN. SIZE OF WIRE SHALL BE NO. 12, UNLESS OTHERWISE NOTED OR REQUIRED BY CODE.
- 3. SIZE CONDUIT ACCORDING TO SPECIFICATIONS AND APPLICABLE CODE.

-  CURRENT TRANSFORMER
-  TRANSFORMER
-  GROUND CONNECTION PER NEC ARTICLE 250
-  THERMAL MAGNETIC CIRCUIT BREAKER
-  15AC MAGNETIC ONLY CIRCUIT BREAKER (MOTOR CIRCUITS ONLY) CONTINUOUS CURRENT RATING AND TRIP SETTINGS SHOWN
-  400AT FUSE
-  ① DRAWING NOTE
-  ① ELECTRICAL CIRCUIT IDENTIFICATION
-  ②
①
③
④ MULTIPLE ELECTRICAL CIRCUITS, SEPARATE CONDUITS
-  1" C ②
①
③
④ MULTIPLE ELECTRICAL CIRCUITS, COMMON CONDUIT (SIZE SHOWN)



① SITE PLAN - ELECTRICAL
E-1 SCALE: 1/8" = 1'-0"

Agency Review Submittal - Not for Construction

BURIED UTILITIES IN AREA
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811

06/25/16 1:31:17 PM | DAVID W. WILSON, AUBURN WEST HILLS SPRINGS FACILITY 001_DESIGN/DWG/E-1.DWG

No.	Date	Revision

DRAWN TO SCALE. SCALE MAY BE DISTORTED IF REPRODUCED		BY: DATE:
RECORD DRAWING CERTIFICATION	These drawings conform to the Contractor's construction records.	Drawn DPR 06/14/2016
	Drawn By _____ Date _____	Reviewed GHS
	Construction Inspection _____ Date _____	Approved _____
SCALE: AS NOTED		ONE INCH AS DRAWN
File: E-01.DWG		

CITY OF AUBURN WASHINGTON

COMMUNITY DEVELOPMENT AND PUBLIC WORKS
25 West Main Street
Auburn, Washington

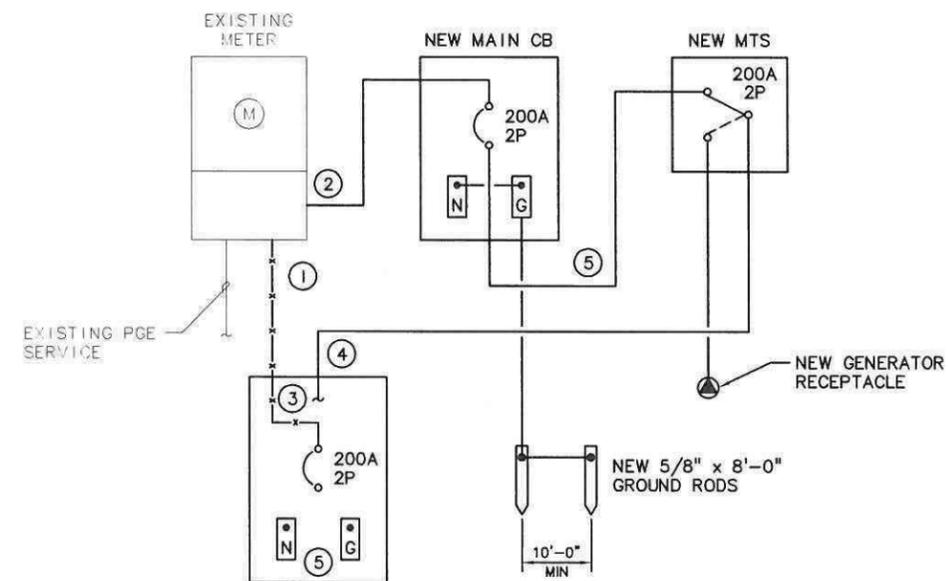
REVIEWED BY: _____ DATE: _____

Project Manager _____

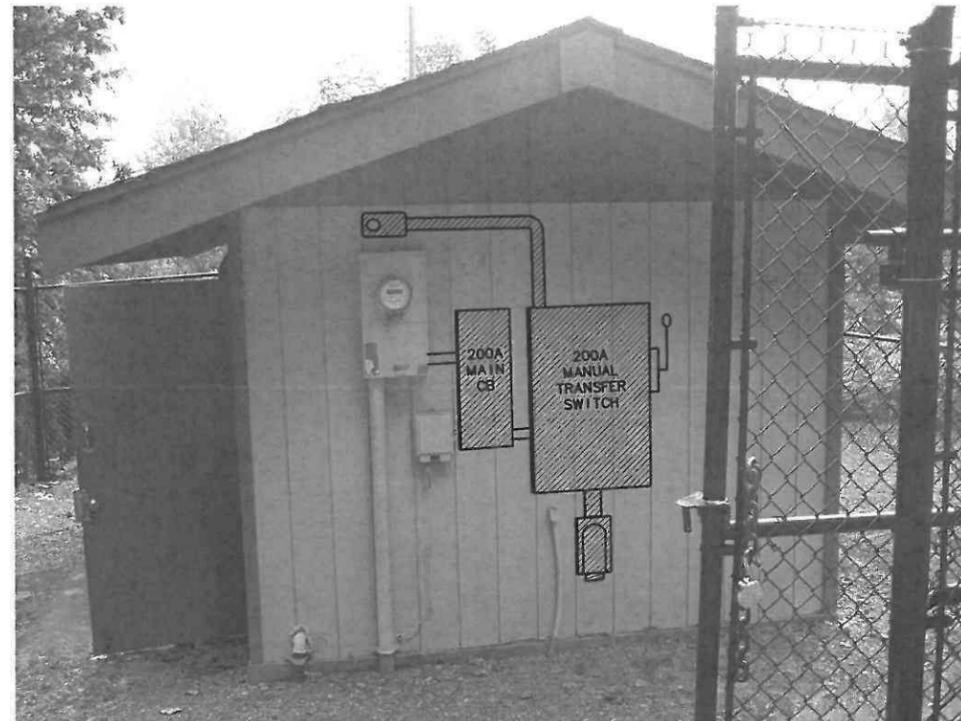
Construction Manager _____

SITE PLAN - ELECTRICAL

PROJECT NO. CP1417
CONTRACT NO. 16-04
DRAWING NO. E-1
SHEET 1 OF 1



1 ONE-LINE DIAGRAM
E-3 NOT TO SCALE



2 PANEL LAYOUT DETAIL
E-3 NOT TO SCALE

NOTES THIS SHEET

- 1 DISCONNECT EXISTING CONDUCTORS BETWEEN METER AND PANEL BOARD MAIN CIRCUIT BREAKER.
- 2 CONNECT METER TO NEW MAIN CIRCUIT BREAKER WITH 2-INCH CONDUIT, (3) #3/0 AWG, (1) #6 AWG, G.
- 3 REMOVE EXISTING CONDUCTORS. CLOSE OPENING AT BACK OF PANEL BOX.
- 4 PROVIDE NEW CONDUIT ENTRANCE TO PANEL BOARD FROM OVERHEAD FEED FROM OUTSIDE. REPAIR DRYWALL AS NECESSARY AFTER INSTALLATION OF NEW CONDUIT INTO FLUSH MOUNTED PANEL BOARD. PROVIDE 2-INCH CONDUIT, (3) #3/0 AWG, (1) #6 AWG, G FROM MTS TO EXISTING PANEL BOARD.
- 5 PROVIDE 2-INCH CONDUIT, (3) #3/0 AWG, (1) #6 AWG, G FROM NEW MAIN CIRCUIT BREAKER TO MTS.
- 6 PROVIDE NEW P-IN AND SLEEVE RECEPTACLE AND PLUG, 200 A, 3 POLE, REVERSE SERVICE STYLE. COORDINATE WITH CITY OF AUBURN.

Agency Review Submittal - Not for Construction BURIED UTILITIES IN AREA
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No.	Date	Revision	DRAWN TO SCALE, SCALE MAY BE DISTORTED IF REPRODUCED
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			These drawings conform to the Contractor's construction records.
			Drawn By _____ Date _____
			Construction Inspection _____ Date _____

BY:	DATE:
Drawn DPR	06/14/2016
Reviewed GHS	
Approved	
SCALE: AS NOTED	
ONE INCH AS DRAWN	
File: E-03.DWG	



COMMUNITY DEVELOPMENT AND PUBLIC WORKS
25 West Main Street
Auburn, Washington

REVIEWED BY:	DATE:
Project Manager _____	_____
Construction Manager _____	_____

ONE-LINE DIAGRAM

PROJECT NO. CP1417
CONTRACT NO. 16-04
DRAWING NO. E-3
SHEET 3 OF 3