























SHEET INDEX

- 1. Site Plan & Vicinity Map
- 2. Legend & Construction Notes
- 3. Pressure Reducing Vault Plan and Profile
- 4. Vault Component Detail

Constructed

PROFESSIONAL ENGINEER
REGISTERED
10871
5/7/14
STATE OF IDAHO
SCOTT MACEY

WATER DEPARTMENT				DESIGNED BY:	S.M.	SCALE:	1"=100' (11x17)
SITE PLAN & VICINITY MAP				DRAWN BY:	S.M.	DATE:	May 2014
8th Avenue Pressure Reducing Vault				CHECKED BY:	D.S.	DRAWING NO.:	8thAve_PRV
				NO.	DATE	FILENAME	BY
				DESCRIPTION		JOB NO.:	SHEET 1 OF 4

LEGEND					
EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM
		Deciduous Tree	— P —		Power
		Shrub	— T —		Telephone
		Traffic Sign	— SD —		Storm Drain
		Telephone Riser	— SS —		Sanitary Sewer
		Utility Pole	Δ		Survey Control Point
		Utility Pole Anchor	⊕		Monument
		Gas Meter or Gas Valve	— x —		Wire Fence
		Catch Basin	_____		Right-of-Way or Property Line
		Storm Drain Manhole	_____		Edge of Pavement
		Sanitary Sewer Manhole	_____		Curb & Gutter
		Water Meter Setting			
		Water Valve			
		Fire Hydrant			
		Pressure Reducing Valve (PRV) Station			
		Remove & Replace (Fire Hydrant, Water Meter Setting, or Valve)			
		Remove (Fire Hydrant, Water Meter Setting, or Valve)			Detail or Section Designation
					Sheet Number on Which Detail Appears
— W —		Water			Component Location Reference
— GAS —		Gas			Thrust Block Bearing Area
— CTV —		Cable TV			

CONSTRUCTION NOTES

1. UTILITY LOCATIONS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL VERIFY EXACT LOCATIONS IN FIELD PRIOR TO EXCAVATION. ANY UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR OR UTILITY COMPANY, AT THE CONTRACTOR'S EXPENSE, TO THE SATISFACTION OF THE UTILITY COMPANY. CONTRACTORS SHALL BE RESPONSIBLE TO CONTACT THE LOCAL ONE-CALL SYSTEM AT 811 AT LEAST TWO DAYS PRIOR TO ANY DIGGING.

2. UTILITY FORCES MAY ENGAGE IN MOVING, RECONSTRUCTING OR INSTALLING, OR MAINTAINING UTILITY FACILITIES, AND THE CONTRACTOR SHALL COOPERATE WITH THESE FORCES AND CONDUCT OPERATIONS IN SUCH A MANNER AS TO AVOID ANY DELAY TO WORK BEING PERFORMED BY OTHER FORCES. THE CONTRACTOR SHALL JOIN HIS WORK WITH THE WORK OF THE OTHERS AND PERFORM THE WORK IN PROPER SEQUENCE AND WITH JUDICIOUS HANDLING OF FORCES AND EQUIPMENT.

3. SURVEYING AND CONSTRUCTION STAKING FOR SEWER AND WATER MAIN CONSTRUCTION WILL BE PERFORMED BY THE CITY OF LEWISTON. CONTRACTOR SHALL RETAIN AND PROTECT CONSTRUCTION STAKING, AND SHALL NOTIFY THE ENGINEER OF ANY ERRORS.

4. THE NEW WATER MAIN SHALL BE CONSTRUCTED IN ACCORDANCE WITH THESE PLANS AND THE CITY OF LEWISTON STANDARD DRAWINGS. ALL WORK SHALL ALSO BE ACCORDANCE WITH THE SPECIFICATIONS OF THE 2012 IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION. ALL WORK SHALL BE SUBJECT TO ACCEPTANCE BY THE CITY OF LEWISTON PURSUANT TO THE ENGINEERING DEPARTMENT'S CURRENT INSPECTION CHECKLIST.

5. ALL TRENCHES AND EXCAVATED AREAS SHALL BE BACKFILLED TO FINISH GRADE WITH CRUSHED AGGREGATE BACKFILL IN ACCORDANCE WITH CITY OF LEWISTON STANDARD DRAWING 1-7. EXCESS AGGREGATE SHALL BE REMOVED PRIOR TO PAVEMENT REPLACEMENT.


6. ALL WATER MAINS SHALL BE INSTALLED WITH MINIMUM HORIZONTAL SEPARATION OF 10' BETWEEN THE WATER AND THE SANITARY OR STORM SEWER MAINS AND IN COMPLIANCE WITH CITY OF LEWISTON STANDARD DRAWING 4-1.

7. THRUST BLOCKS SHALL BE INSTALLED AT ALL FITTING LOCATIONS SPECIFIED BY CITY STANDARD DRAWING 4-4. THRUST BLOCKS SHALL BE CONSTRUCTED TO SIZES BASED ON ALLOWABLE SOIL STRESS OF 2000 PSI. ALL MECHANICAL JOINTS 10" AND SMALLER SHALL BE EQUIPPED WITH RING-TYPE GRIP RESTRAINT DEVICES.

8. THE CONTRACTOR SHALL PRESSURE TEST THE NEW WATER MAIN IN ACCORDANCE WITH THE SPECIFICATIONS AND AWWA C600.

9. EXCEPT AS REQUIRED IN THE SPECIFICATIONS, THE CONTRACTOR WILL NOT BE REQUIRED TO DISINFECT NEW WATER MAINS; THE CONTRACTOR SHALL INSTALL FITTINGS AND APPURTENANCES AS REQUIRED BY THE OWNER FOR DISINFECTION. THE CITY OF LEWISTON WATER DEPARTMENT WILL THEN PERFORM SYSTEM DISINFECTION AND ALL THE BACTERIOLOGICAL TESTING AS INDICATED BY THE PHASING PLAN.


10. ALL DISTURBED AREAS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION. ALL RESTORATION OF PAVEMENT, SIDEWALK, CURB, AND GUTTER SHALL BE IN CONFORMANCE WITH THE CITY OF LEWISTON STANDARD DRAWINGS AND THE SPECIFICATIONS OF THE IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION. ALL RESTORATION SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.



WATER DEPARTMENT

LEGEND & CONSTRUCTION NOTES

8th Avenue Pressure Reducing Vault



CITY OF LEWISTON

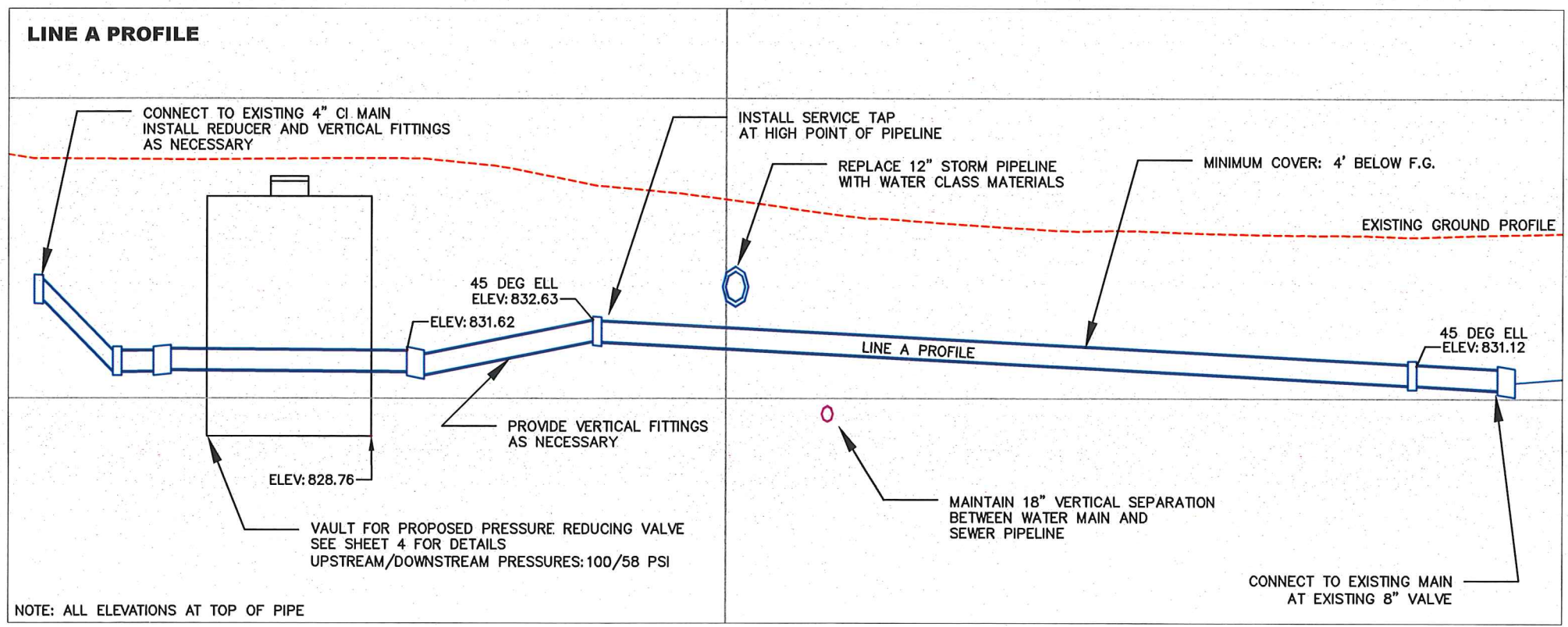
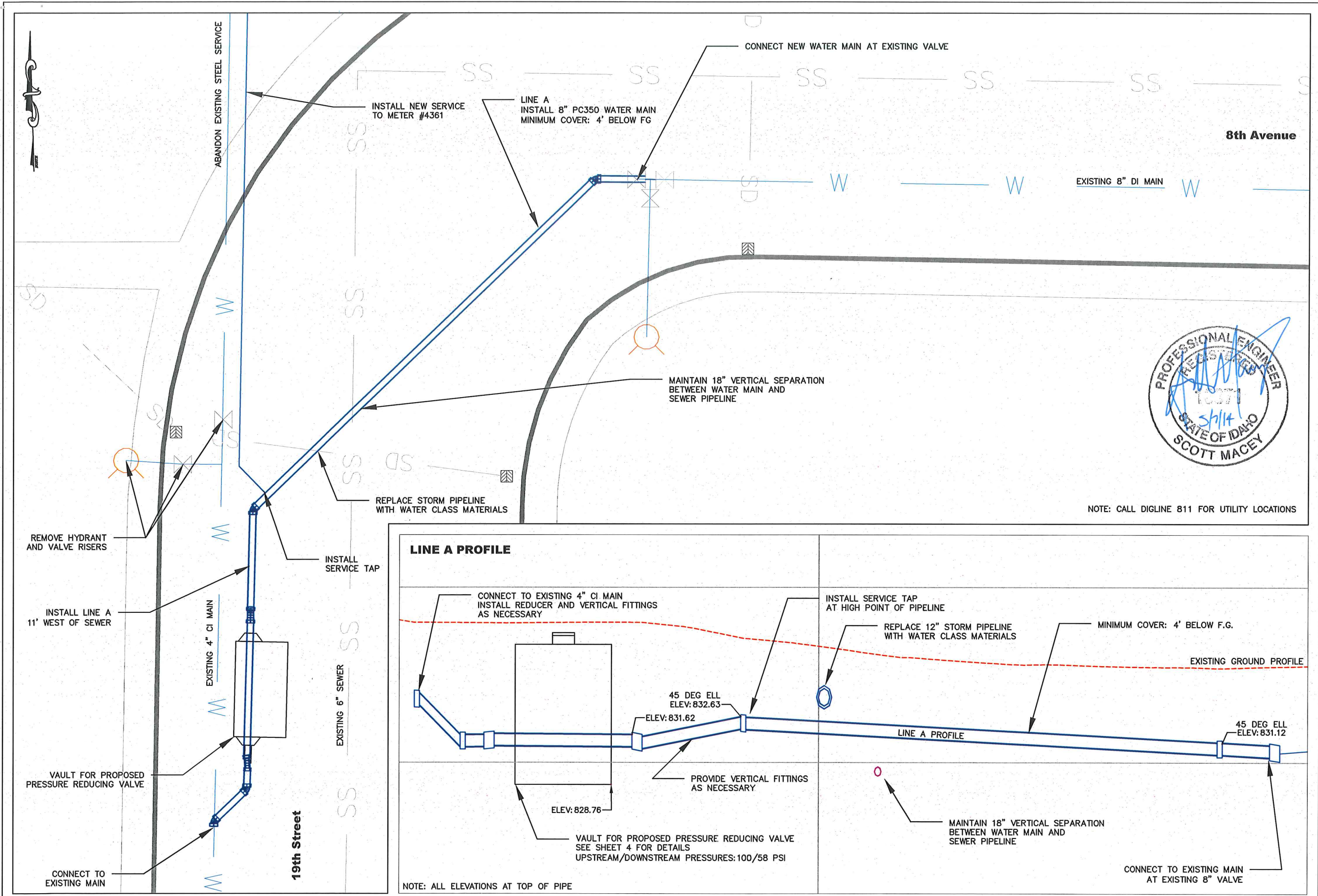
PUBLIC WORKS DEPARTMENT

ENGINEERING SERVICES

26 D STREET LEWISTON, ID 83601

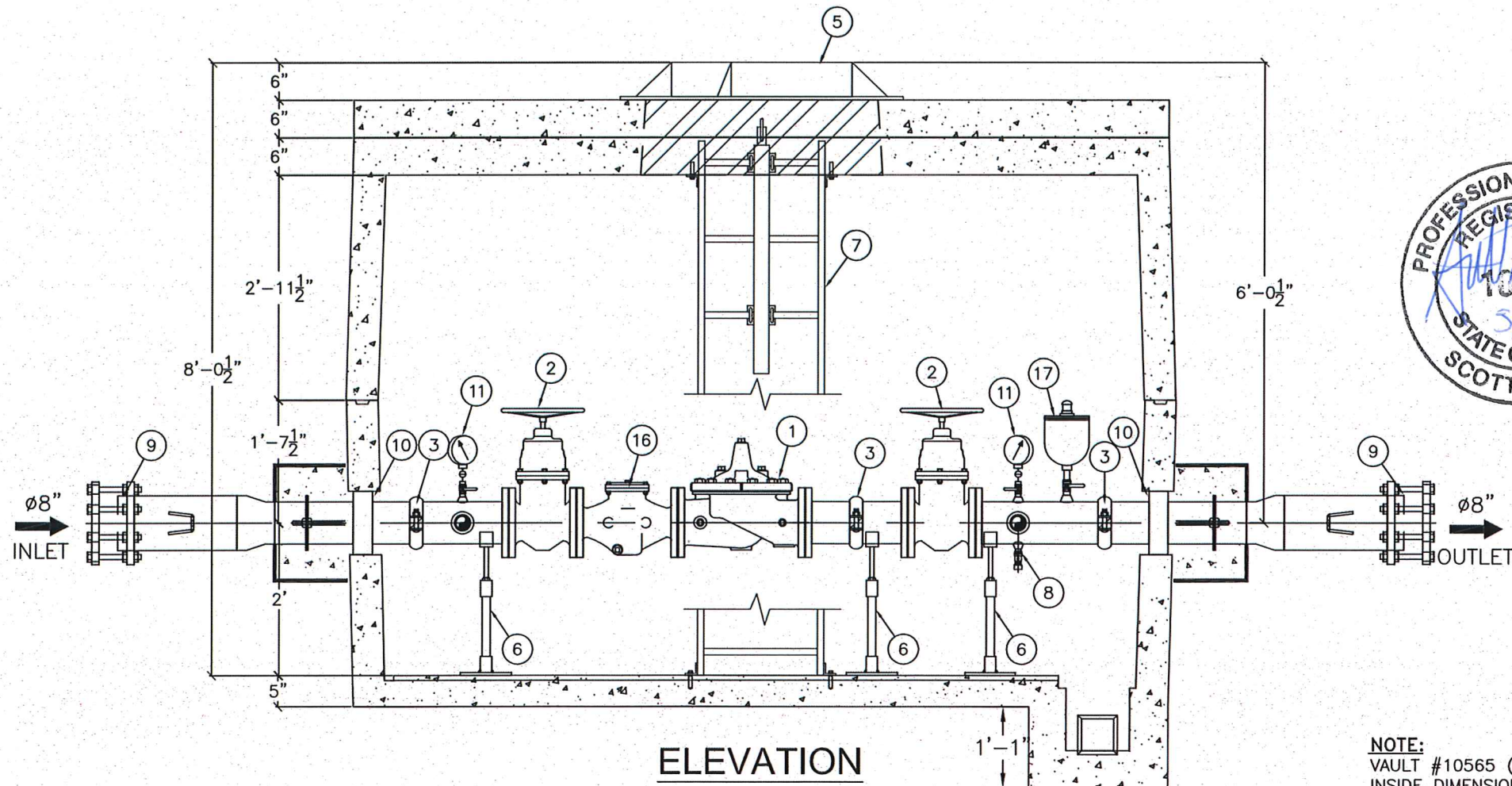
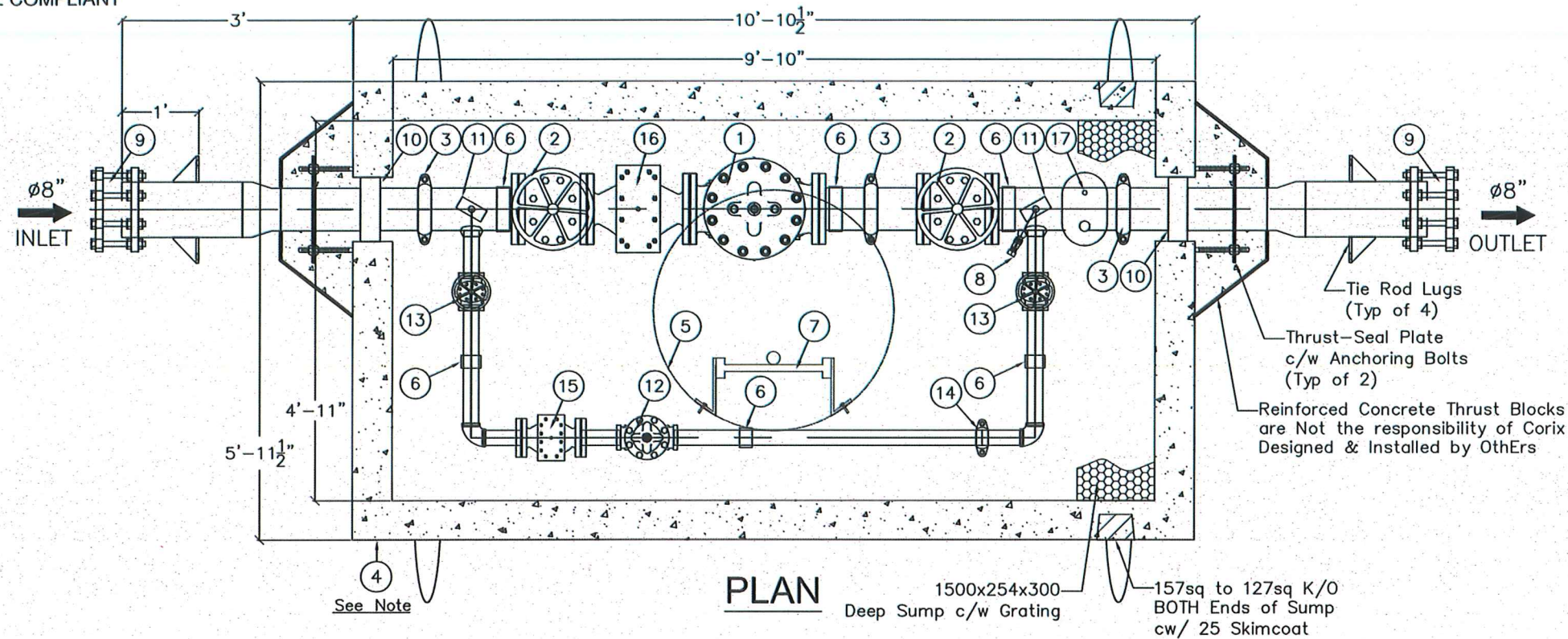
(208) 746-5316

DESIGNED BY:	S.M.	SCALE:	None
DRAWN BY:	S.M.	DATE:	May 2014
CHECKED BY:	D.S.	DRAWING NO.:	8thAve_PRV
BY:		SHEET	2 OF 4



CITY OF LEWISTON PUBLIC WORKS DEPARTMENT ENGINEERING SERVICES 205 'D' STREET LEWISTON ID 83501 (208) 746-816 FAX (208) 397-9604		PLAN PLAN & PROFILE 8th Avenue Pressure Reducing Vault		DESIGNED BY: S.M.	SCALE: 1" = 10' (11x17)
				DRAWN BY: S.M.	DATE: May 2014
				CHECKED BY: D.S.	DRAWING NO.: 8thAve PRV
				BY:	SHEET 3 OF 4
				NO.	DATE
				FILENAME	DESCRIPTION

LEAD-FREE COMPLIANT



NOTES:

FABRICATED STEEL PIPE & FITTINGS TO BE SCHEDULE NO. 40 STEEL PIPE FOR SIZES TO 10", AND 3/8" WALL FOR 12" AND LARGER. FLANGES ARE ANSI 125/150

ALL 2" AND SMALLER PIPE TO BE THREADED STAINLESS STEEL, COMPLIES WITH LEAD-FREE SPECIFICATIONS
ALL 3" AND LARGER PIPE, INSIDE WETTED SURFACES TO BE SANDBLASTED, FUSION EPOXY LINED AND COATED TO AWWA C-213 AND NSF-61 SPECIFICATION. FINISH COATING WILL BE BLUE ENAMEL.

LOADING: OFF-ROADWAY - H20 OCCASIONAL LOAD RATED
ESTIMATED TOTAL WEIGHT: _____ LBS
ESTIMATED HEAVIEST LIFT: _____ LBS

BILL OF MATERIALS

ITEM	QTY.	DESCRIPTION
1	1	6" CLA-VAL 92-01 BKC PRESSURE REDUCING VALVE, 150# FLG, DISST, CRD 15-75psi, 200-75psi, W/X101
2	2	6" MUELLER NRS GATE VALVE, 150# FLANGED
3	3	6" VICTAULIC 07 COUPLING
4	1	AE 3152 (10565) PRECAST CONCRETE CHAMBER C/W WHITE INTERIOR & BLACK EXTERIOR SEALANT
5	1	30" Manhole H20-44 Class B Loading OFF-ROADWAY, H-20 OCCASIONAL LOADING
6	6	ADJUSTABLE GALV STEEL SADDLE PIPE SUPPORTS
7	1	ALUMINUM LADDER W/ SAFETY POST (SHIPPED LOOSE)
8	1	3/4" HOSE BIBB C/W BALL VALVE
9	2	8" TRANSITION COUPLING
10	2	6" LS-475 LINK SEAL ASSEMBLY
11	2	4" WIKA PRESSURE GAUGE C/W BALL VALVE RANGE: 0-200psi
12	1	2" CLA-VAL 90-01 BCSYKC PRESSURE REDUCING VALVE, 300# THREADED, DISST, CRD 15-75psi, W/X101
13	2	2" MUELLER NRS GATE VALVE, 300# Threaded
14	1	2" VICTAULIC 07 COUPLING
15	1	2" CLA-VAL X43H STRAINER 150# FLANGE C/W NPT BLOWDOWN VALVE
16	1	6" CLA-VAL X43H STRAINER 150# FLANGE C/W NPT BLOWDOWN VALVE
17	1	1" COMBINATION AIR VALVE (APCO 143C) C/W BALL VALVE & 180° VENT RETURN

WATER DEPARTMENT

VAULT AND COMPONENTS

8th Avenue Pressure Reducing Vault

GC Systems
INCORPORATED

TITLE: 6" x 2" PRV STATION
8" IN/ OUT

PROJECT: 8th AVENUE PRV STATION
LEWISTON, IDAHO

DATE: MAR 12/14 CK'D: L.E AP'D: *LE* SHEET: 1 OF 1
DRAWN: *LE* DRAWING No: 11766-51 REV: -
SCALE: NTS

CITY OF LEWISTON
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
255 D STREET LEWISTON, ID 83501
(208) 746-3116



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