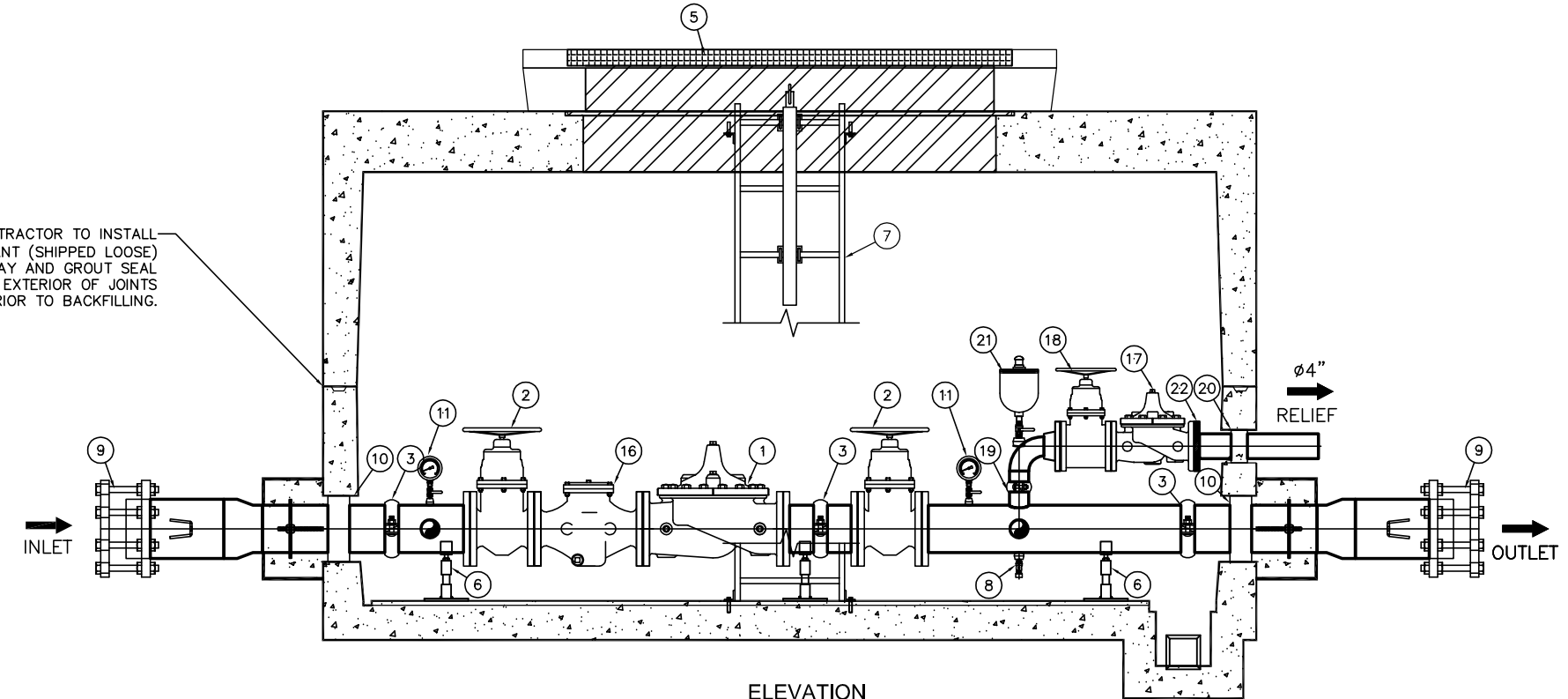


PLAN

7'x12"x12" Deep Sump c/w Grating
 6"sq to 5"sq K/O BOTH Ends of Sump c/w 1" Skimcoat
 3" Opening For 1 1/4" Sump Ejector

CONTRACTOR TO INSTALL MASTIC SEALANT (SHIPPED LOOSE) IN KEYWAY AND GROUT SEAL INTERIOR & EXTERIOR OF JOINTS PRIOR TO BACKFILLING.



ELEVATION

BILL OF MATERIALS		
ITEM	QTY.	DESCRIPTION
1	1	8" CLA-VAL 90G-01 BCSYKC PRESSURE REDUCING VALVE, 150# FLANGED, DIBZT, EPOXY, W/X101
2	2	8" MUELLER NRS GATE VALVE, 150# FLANGED
3	3	8" VICTAULIC 07 COUPLING
4	1	AE 4212 (13765) PRECAST CONCRETE CHAMBER C/W WHITE INTERIOR & BLACK EXTERIOR SEALANT
5	1	2121 ROOF SLAB W/ 36"x72" ALUMINUM HATCH 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	TRANSITION COUPLING
10	2	8" LS-475 LINK SEAL ASSEMBLY
11	2	4" WIKA PRESSURE GAUGE C/W BALL VALVE RANGE: 0-160psi
12	1	3" CLA-VAL 90G-01 BCSYKC PRESSURE REDUCING VALVE, 150# FLGD, DIBZT, EPOXY, W/X101
13	2	3" MUELLER NRS GATE VALVE, 150# FLANGED
14	1	3" VICTAULIC 07 COUPLING
15	1	3" CLA-VAL X43H STRAINER 150# FLANGE C/W NPT BLOWDOWN VALVE
16	1	8" CLA-VAL X43H STRAINER 150# FLANGE C/W NPT BLOWDOWN VALVE
17	1	4" CLA-VAL 50A-01 BKC PRESSURE RELIEF VALVE, 150# FLANGED, DIBZT, EPOXY, W/X101
18	1	4" MUELLER NRS GATE VALVE, 150# FLANGED
19	1	4" VICTAULIC 07 COUPLING
20	1	4" LS-300 LINK SEAL ASSEMBLY
21	1	1" COMBINATION AIR VALVE (VALMATIC 201C.2SV) C/W BALL VALVE
22	1	4" VICTAULIC 741 COUPLING
23	1	1-1/4" Sump Drain Ejector Assembly As Applicable

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. PIPE AND VAULT COATINGS SHALL BE PER DETAIL W9.

LOADING: OFF-ROADWAY - H2O OCCASIONAL LOAD RATED
 ESTIMATED TOP WEIGHT: 31,130 LBS
 ESTIMATED BOTTOM WEIGHT: 25,506 LBS
 ESTIMATED TOTAL WEIGHT: 56,636 LBS

PROVIDE VAULT DRAINAGE EITHER BY:
 a) 4" SCH 40 PVC DRAIN TO DAYLIGHT OR STORM SYSTEM OR
 b) GC SYSTEMS HYDROMATIC (WATER POWERED) PUMP MODEL #996633-51-2

VAULT #13765 (H-20 LOADING)
 INSIDE DIMENSIONS:
 13' L X 7' W X 6'6" H

Approved: *[Signature]* March 16, 2018
 City Engineer Date
 WATER STANDARD DETAIL



Dwg No: **W18**
PRESSURE REDUCING STATION