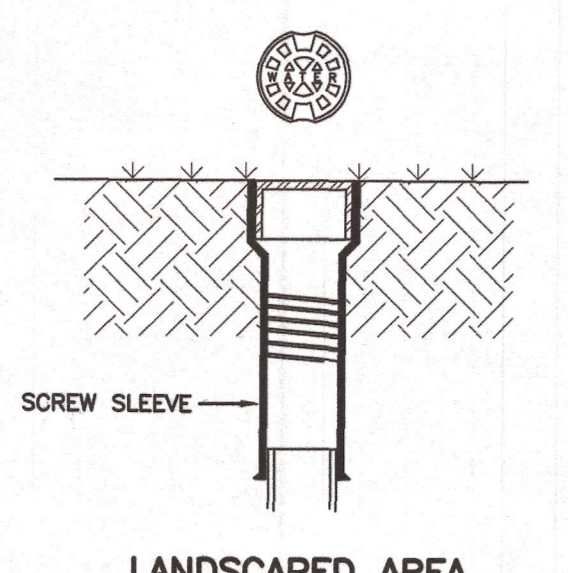
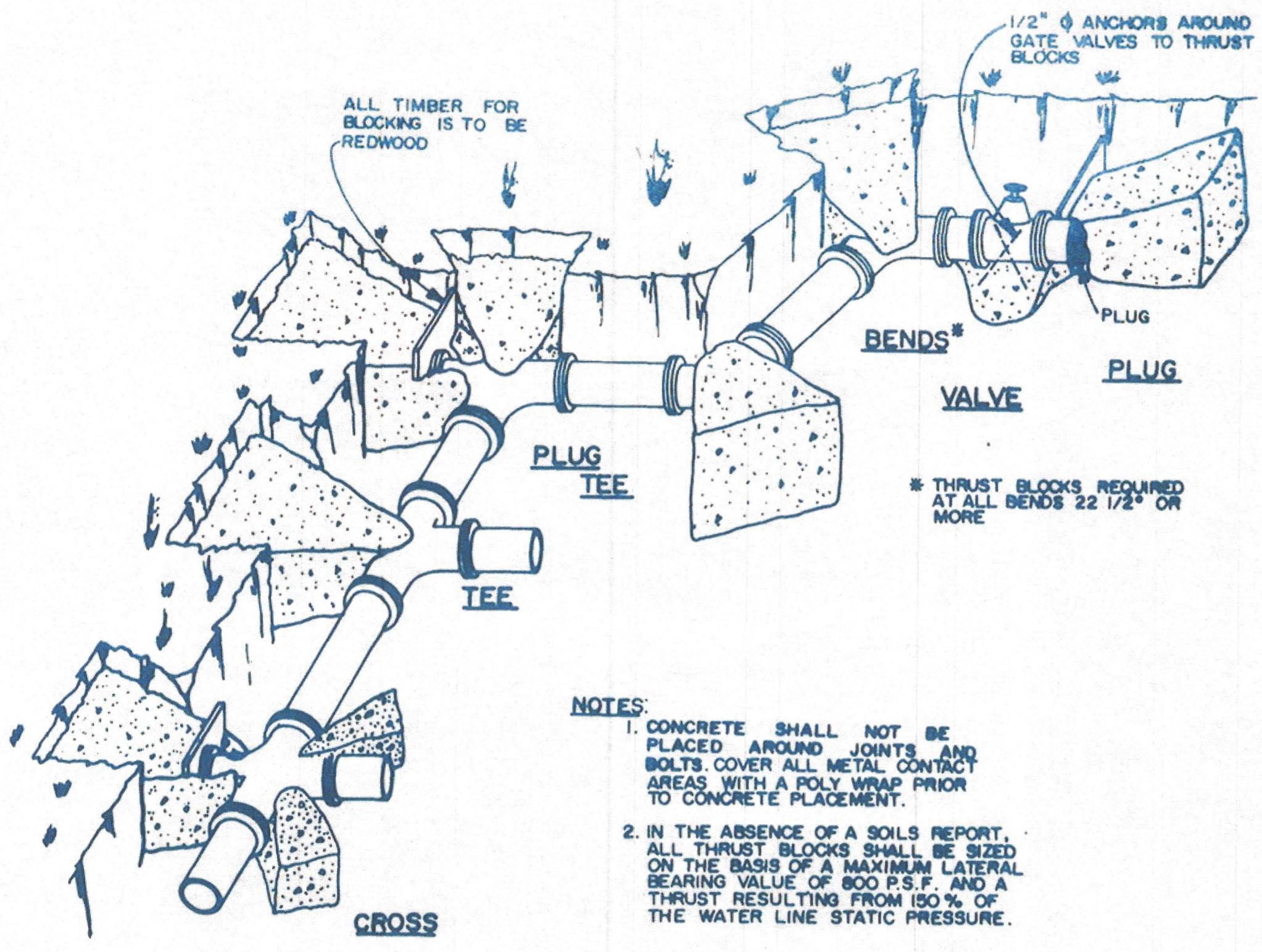


**ASPHALT CONCRETE** **CONCRETE PAVEMENT**  
(ONLY TOP OF VALVE BOX RISER IS SHOWN)



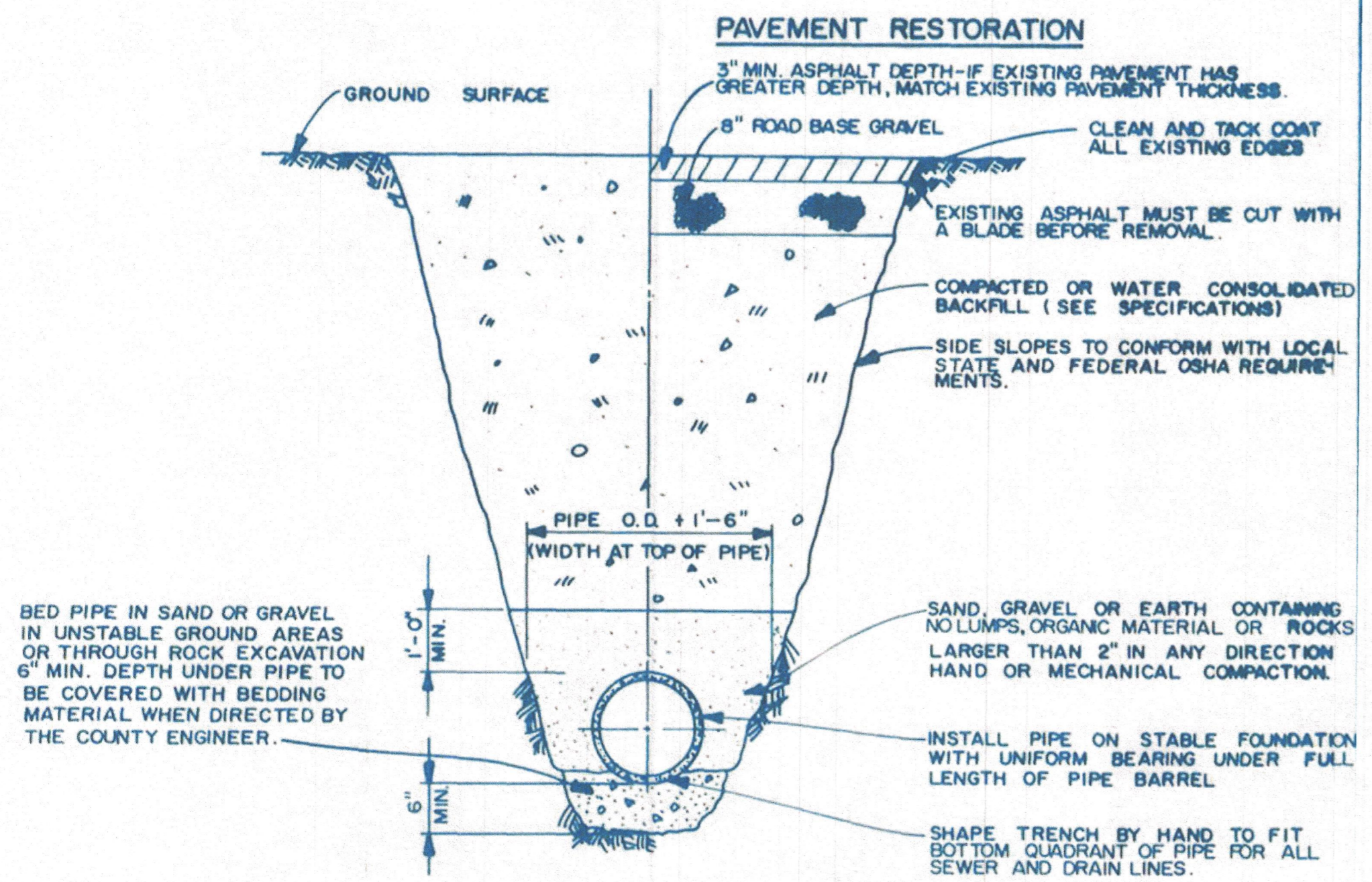
**LANDSCAPED AREA**

**4 WATER VALVE BOX**  
 SCALE: N.T.S. APWA PLAN NO. 574



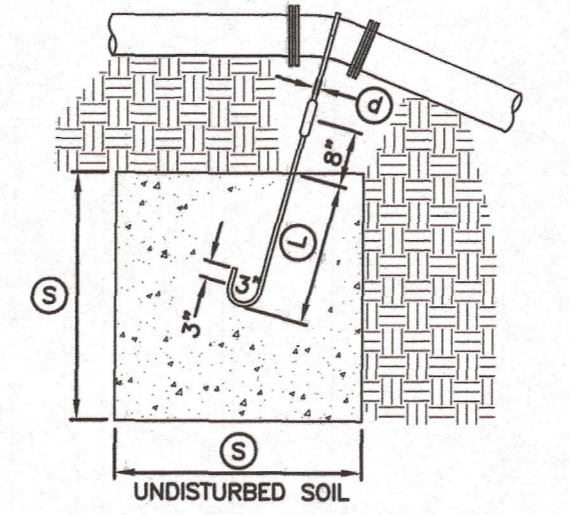
**THRUST BLOCKING**

**5 THRUST BLOCKS**  
 SCALE: N.T.S. APWA PLAN NO. 561

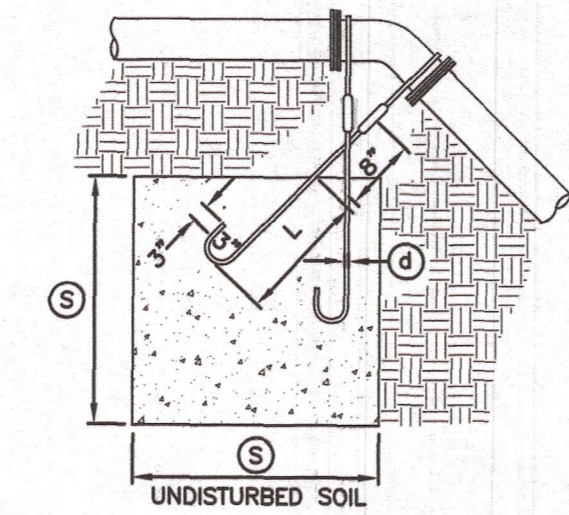


**TYPICAL TRENCH SECTION (WATER, SEWER & STORM DRAINS)**

**6 TRENCH SECTION**  
 SCALE: N.T.S. APWA PLAN NO. 561



**TYPE A RESTRAINT**  
 FOR 11 1/4" - 22 1/2" VERTICAL BENDS

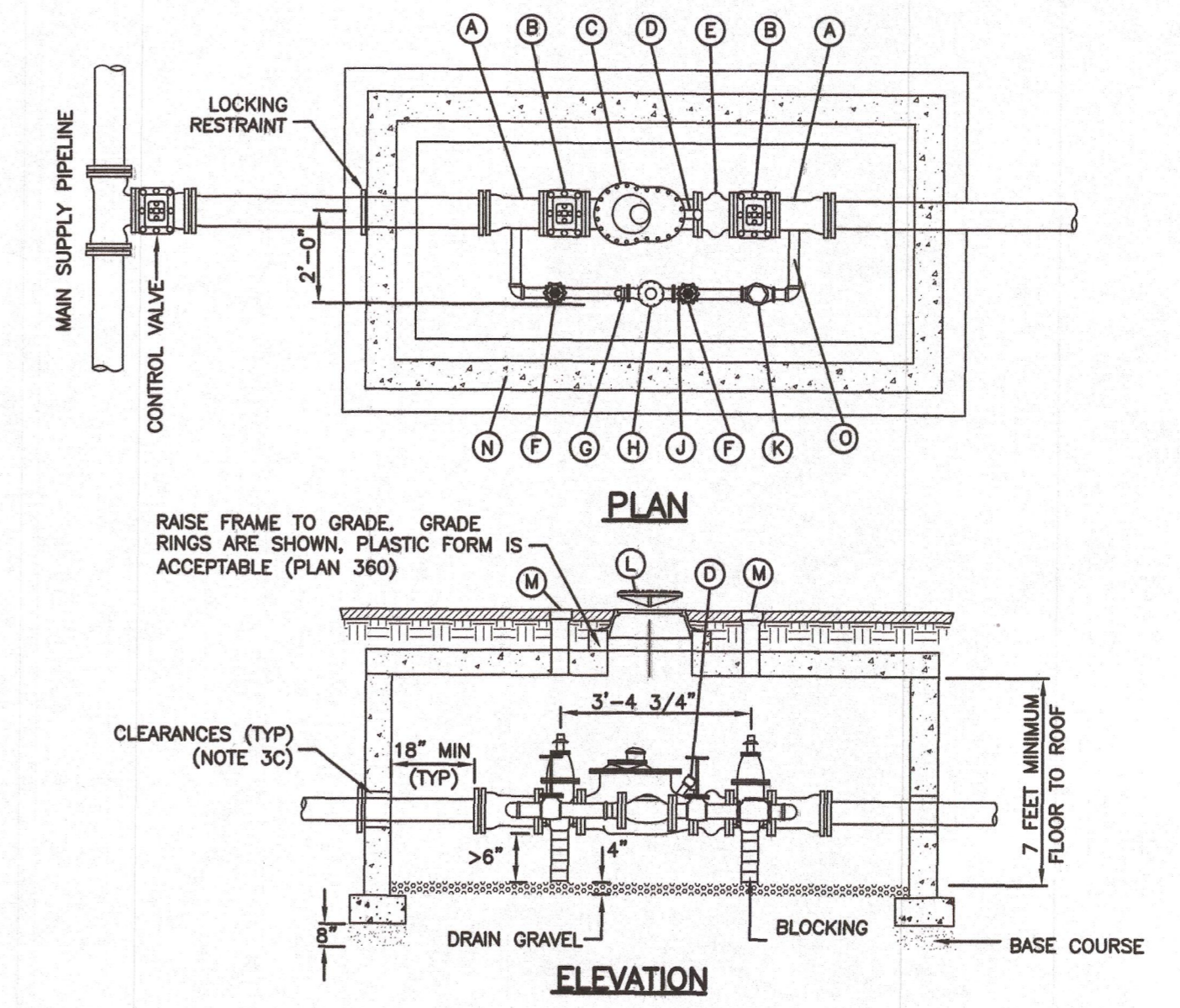


**TYPE B RESTRAINT**  
 FOR 45° VERTICAL BENDS

PIPE SIZE NOMINAL DIAMETER - INCH	VERTICAL BEND IN DEGREES	CONCRETE BLOCKING IN CUBIC FEET	SIZE OF CURB - FEET	S	D	L
4"	11 1/4"	8	2.0	5/8"	1.5	
	22 1/2"	15.6	2.5	5/8"	2.0	
6"	11 1/4"	15.6	2.5	5/8"	2.0	
	22 1/2"	34.3	3.25	5/8"	2.0	
8"	11 1/4"	27	3.0	5/8"	2.0	
	22 1/2"	64	4.0	5/8"	2.0	
12"	11 1/4"	64	4.0	5/8"	2.0	
	22 1/2"	125	5.0	3/4"	3.0	
16"	11 1/4"	107	4.25	7/8"	3.0	
	22 1/2"	216	6.0	7/8"	3.0	
20"	11 1/4"	138	5.17	1"	3.5	
	22 1/2"	334	8.94	1"	4.0	
24"	11 1/4"	240	6.22	1"	4.0	
	22 1/2"	478	7.81	1"	4.0	
30"	11 1/4"	389	7.17	1"	4.0	
	22 1/2"	733	9.02	1"	4.0	

PIPE SIZE NOMINAL DIAMETER - INCH	VERTICAL BEND IN DEGREES	CONCRETE BLOCKING IN CUBIC FEET	SIZE OF CURB - FEET	S	D	L
4"	45°	1	3.0	5/8"	2.0	
6"		2.37	4.0	5/8"	2.5	
8"		3.97	4.75	5/8"	3.0	
12"		9.04	6.25	5/8"	4.0	
16"		17.24	7.75	3/4"	4.0	
20"		26.52	9.21	3/4"	4.0	
24"		37.82	10.07	3/4"	4.0	
30"		58.26	11.63	3/4"	4.0	

**3 TIE DOWN THRUST RESTRAINTS**  
 SCALE: N.T.S. APWA PLAN NO. 562



**LEGEND**

No.	* ITEM	DESCRIPTION
(A)	3" OR 4" FLANGE x M.J. ADAPTER	
(B)	3" OR 4" GATE VALVE WITH 2"x2" OPERATING NUT	
(C)	3" OR 4" COMPOUND METER	
(D)	2" TEST ASSEMBLY	
(E)	3" OR 4" CHECK VALVE	
(F)	2" GATE VALVE	
(G)	2" METER FLANGE	
(H)	2" DISPLACEMENT METER	
(J)	2" MALE METER FLANGE	
(K)	2" CHECK VALVE	
(L)	27" FRAME AND COVER	PLAN 502
(M)	TOP SECTION OF VALVE BOX WITH LID	PLAN 574
(N)	CONCRETE BOX	PLAN 505
(O)	COPPER PIPING	

\* FURNISHED BY AGENCY

**2 WATER VALVE**  
 SCALE: N.T.S. APWA PLAN NO. 523

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**WEBER SCHOOL DISTRICT**

**WEST WEBER ELEMENTARY**  
**WEBER SCHOOL DISTRICT**  
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PAUL S. FESER  
 CIVIL  
 STATE OF UTAH

MHTN PROJECT NO. 2012545.00  
 DRAWN BY: BP CHECKED BY: PF  
 REVISIONS:

NO.	DATE	DESCRIPTION
1	5/6/2014	CONSTRUCTION DOCUMENTS

CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION

**WATER DETAILS**

CONSTRUCTION DOCUMENTS

CE-607

DATE: 1/29/14 TIME: 8:36:16 AM DRAWING NAME: CE-607.DWG  
 USER: JCS-JCS-20142 PLOT: CE-607.DWG  
 PLOT DATE: 1/29/2014 8:36:16 AM PLOT: CE-607.DWG  
 PLOT BY: JCS