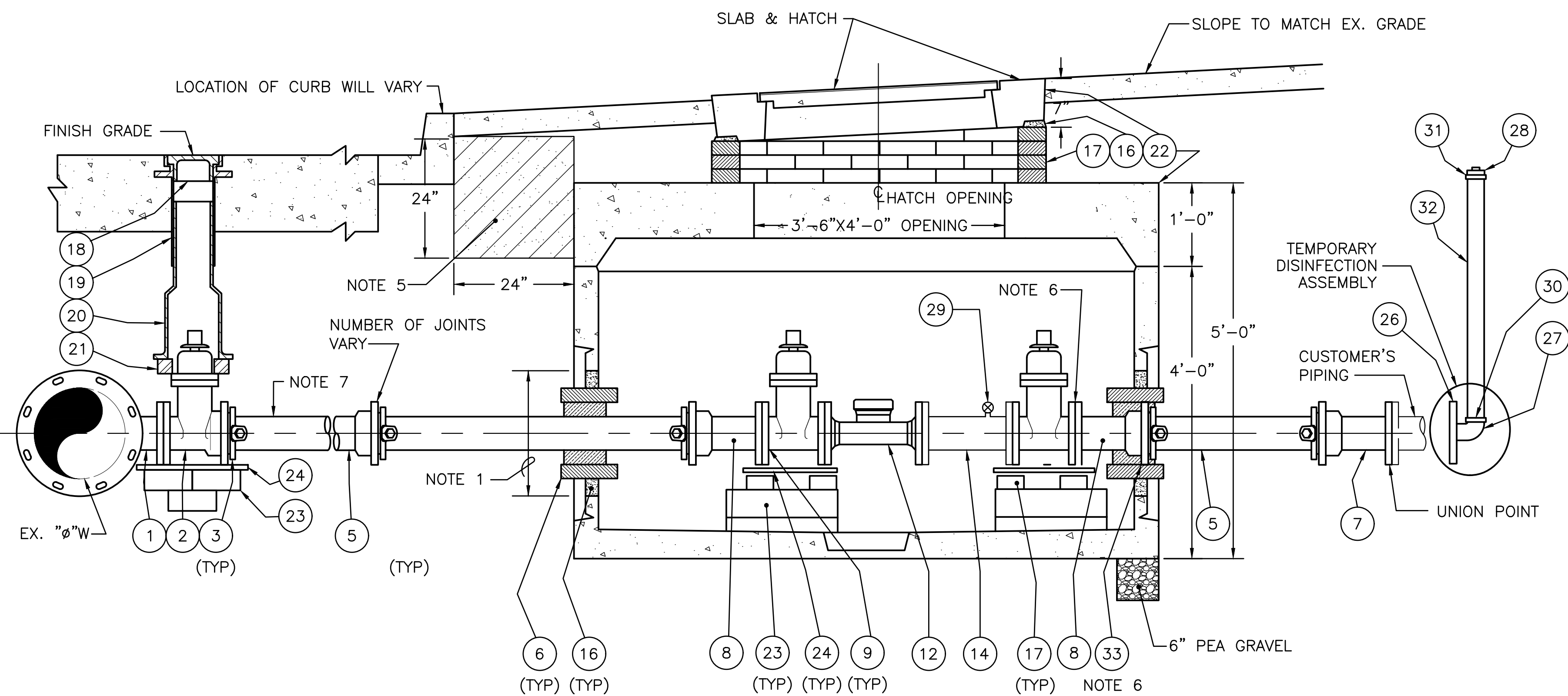
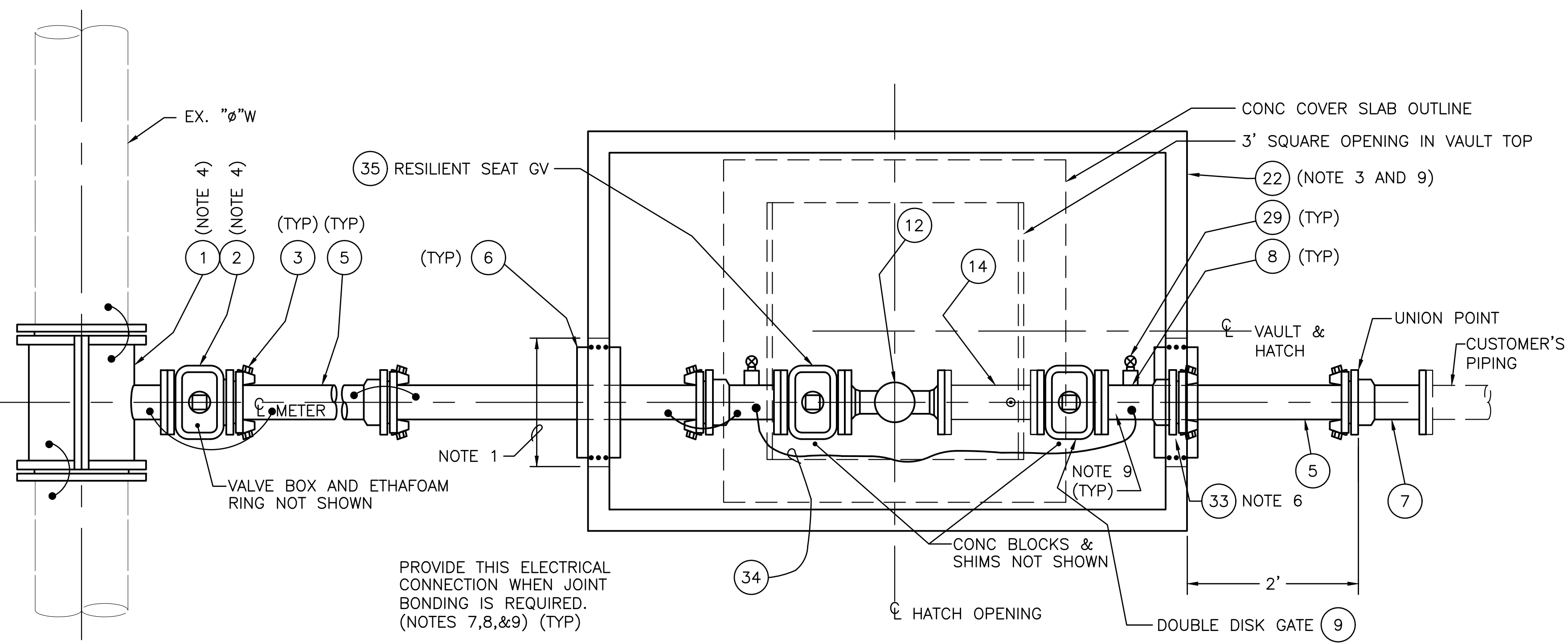




4"COMBINATION FIRE/DOMESTIC SERVICE MATERIAL LIST

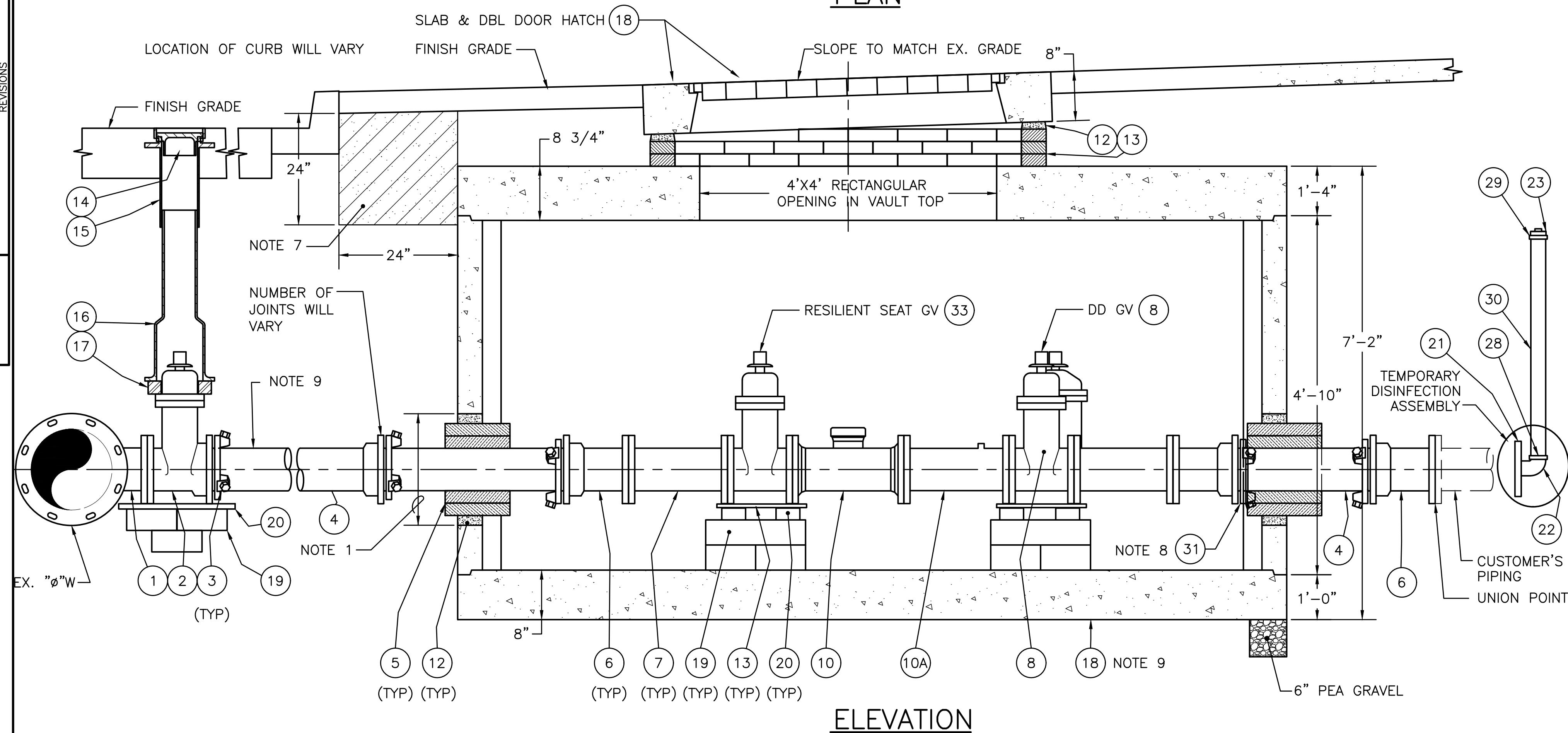
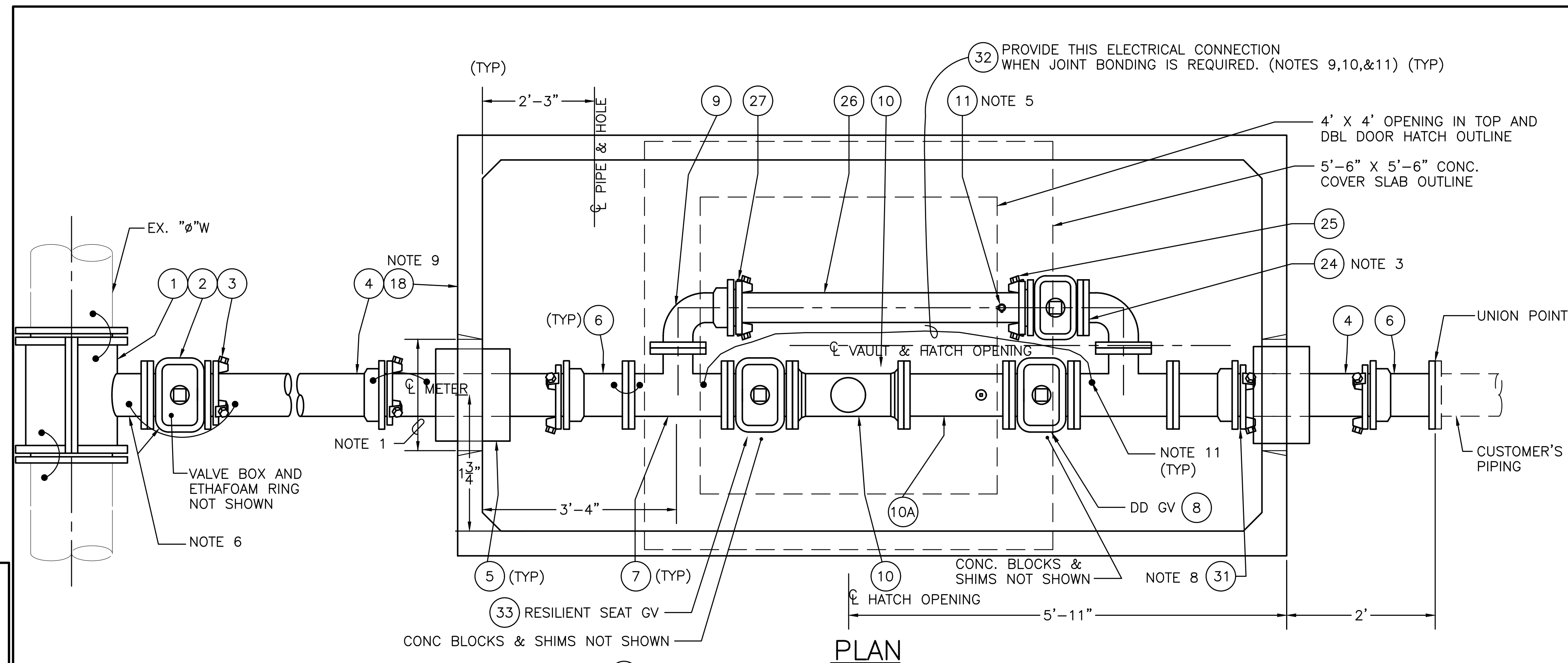
ITEM	QUAN	UNIT	STOCK NUMBER	SIZE	DESCRIPTION
1	1	EA		ø" X 4"	EPOXY TAPPING SLEEVE (NOTE 6)
2	1	EA	840-531-040	4"	TAPPING GATE VALVE, TAP FLG X MJ (NOTE 6)
3	4+	EA	814-102-041	4"	WEDGE RESTRAINER GLAND (MEGALUG FOLLOWER)
5	A.N.		826-005-041	4"	DUCTILE IRON PIPE, MJ, CL 52, CEM. LINED
6	9	SF	825-125-020	2" THICK	ETHAFOAM MATERIAL
7	1	EA	801-050-040	4"	ADAPTER, MJ X FLG
8	2	EA	836-211-040	4" X 4" X 2"	TEE, BP, MJ X FLG X FIPT
9	2	EA	840-503-040	4"	GATE VALVE, CL 125 FLG
12	1	EA	879-007-040	4"	MASTER METER OCTAVE
14	1	EA	811-005-043	4" X 13 ½"	SPOOL WITH TEST PORT
	1	SACK	210-300-020	60 LBS	MORTAR MIX
	1+	EA	450-145-050	10LB PAIL #1408	JET PLUG COMPUND
17	10	EA	210-200-001	STD	BRICK
18	1	EA	822-000-000	#2	STD VALVE BOX LID
19	1	EA	822-001-000	#2	STD VALVE BOX TOP
20	1	EA	822-001-001	#2	STD VALVE BOX BOTTOM
21	1	EA	825-140-000	STD	ETHAFOAM RING
22	1	EA	210-410-340	6'-6" X 4'-2" INSIDE	CONCRETE VAULT 575
23	6	EA	210-100-002	4" X 8" 16"	CONCRETE BLOCK
24	6	EA	827-100-120	1/4" X 12" X 12"	STEEL PLATE
	4	EA	400-540-122	3/4" X 1-1/4" X 6"	STEEL WEDGE
	4	EA	400-540-125	5" X 1" X 1/2"	STEEL RAISING WEDGE
26	1	EA	813-500-090	4" X 2"	REDUCING FLANGE, DI, CL 125 FLG X FIPT
27	1	EA	810-269-200	2"	90° STREET ELBOW, GALV
28	1	EA	828-500-020	2"	PIPE PLUG, MIPT, GALV STL, SQUARE HEAD
	6	EA	813-099-005	4" X 9"	4" RUBBER GASKET (RED)
	8	EA	420-235-026	5/8" X 3"	STUD BOLT
	48	EA	420-410-016	5/8"	HEX NUT
	40	EA	420-215-192	5/8" X 3 ¼"	BOLT
29	3		840-050-020	2"	BALL VALVES, BRASS 1/4 TURN
	3		824-120-001	2"	CLOSED NIPPLES
	3		828-150-020	2"	PLUG, PIPE BRASS IPT
30	1	EA	812-103-020		2" MIPT X CTS BRASS COMPRESSION FITTING
31	1	EA	812-102-020		2" FIPT X CTS BRASS COMPRESSION FITTING
32	5	LF	826-003-020		2" COPPER PIPE, SOFT K
35	1	EA	840-503-040	4"	GATE VALVE, 4" RESILIENT SEAT, CL 125 FL X CL 125 FL

CORROSION PROTECTION MATERIAL LIST

33	1	EA	813-050-040	4"	INSULATING FLANGE KIT (NOTE 6)
34	10	LF	472-642-006	#6AWG	HMW/PE STRANDED JOINT BOND CABLE
	5	EA	075-200-180	#2AWG	CADWELD WIRE 18" LONG
	2	EA	075-200-240	#2AWG	CADWELD WIRE 24" LONG
	22	EA	075-200-008	#CA15	CADWELD SHOT
	22	EA	075-200-006	CAPSULE	ROYSTON HANDI-CAP II
	1	EA	075-200-007	16 OZ	ROYSTON 747 ROY BOND PRIMER
	4	ROLL	450-050-040	4" X 9"	WAX TAPE (SEE NOTES 2 & 8)
	2	ROLL	450-050-060	6" X 9"	WAX TAPE (SEE NOTES 2 & 8)
	1	EA	450-100-000	GAL	WAX TAPE PRIMER (SEE NOTES 2 & 8)

A.N. = AS NEEDED

4" COMBO FIRE/DOMESTIC SERVICE INSTALLATION AND MATERIALS LIST



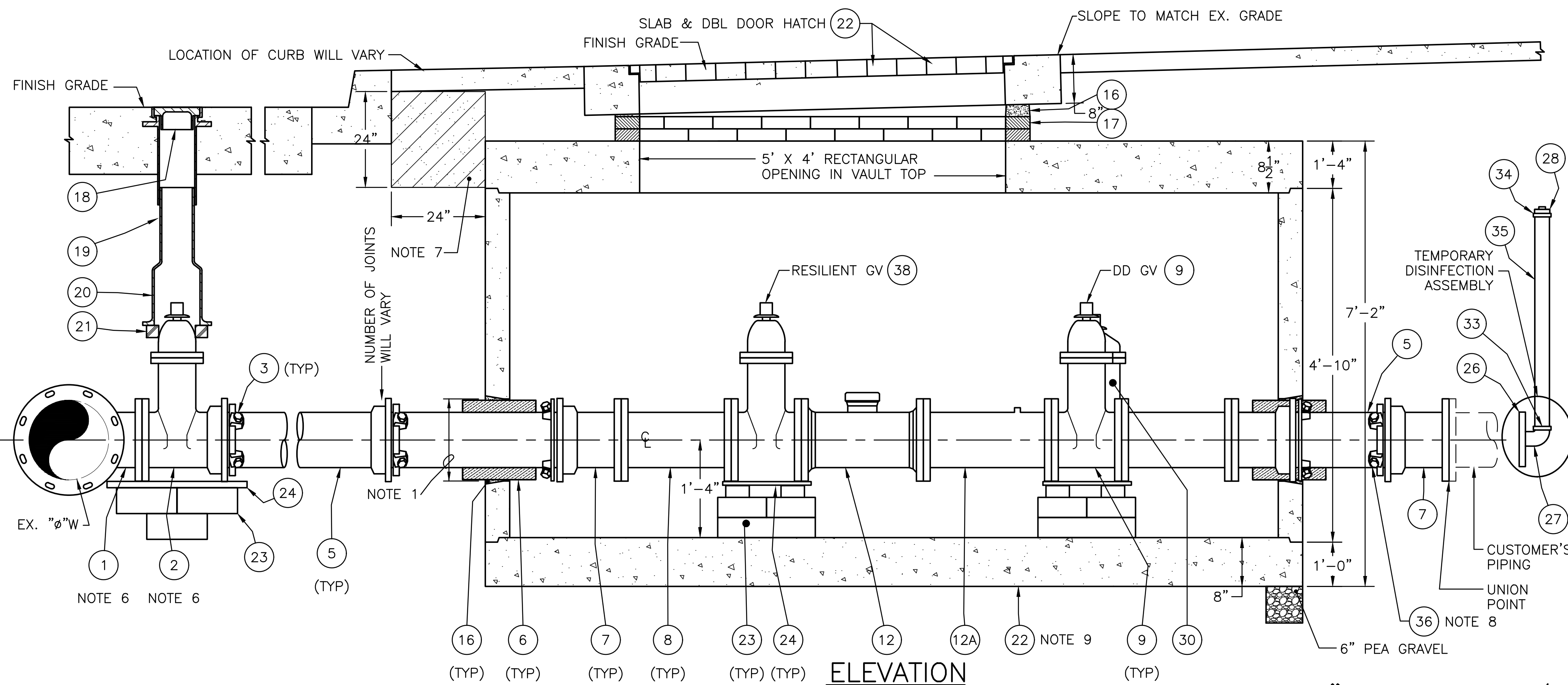
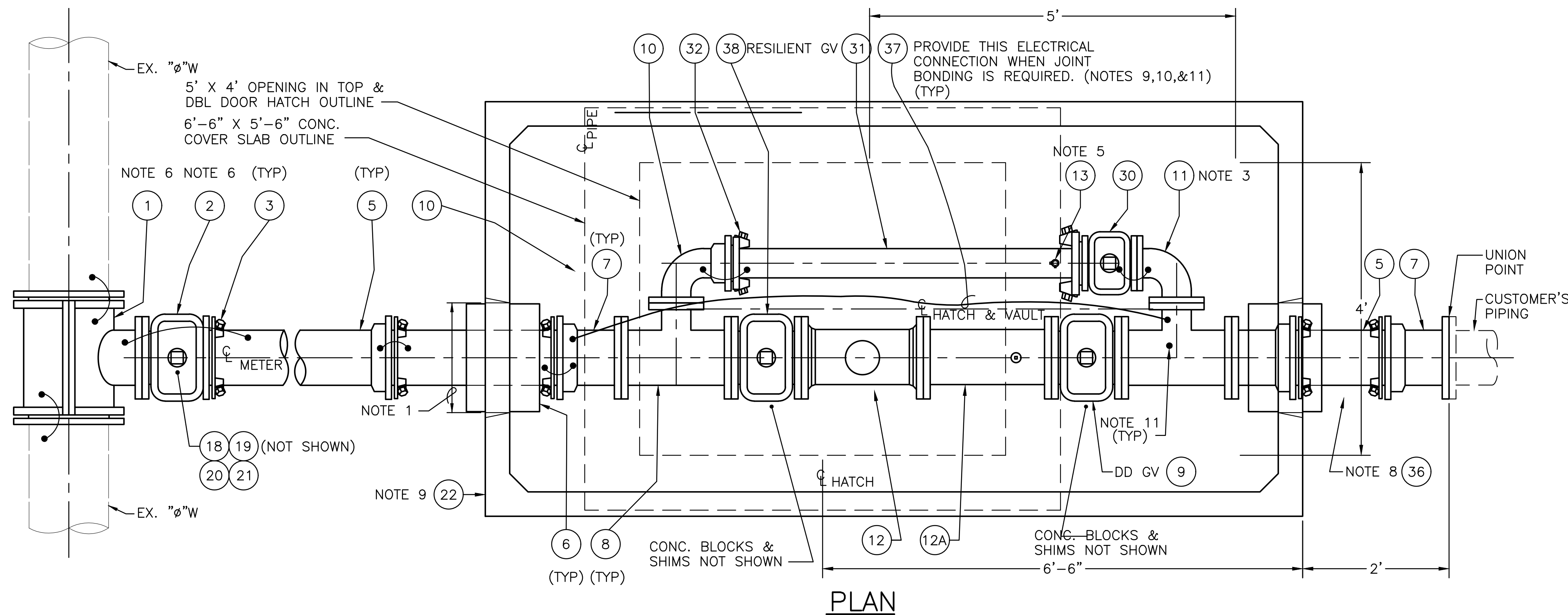
6" COMBINATION FIRE/DOMESTIC SERVICE MATERIAL LIST

ITEM	QTY	UNIT	STOCK NO.	SIZE	DESCRIPTION
1	1	EA		ø" X 6"	EPOXY TAPPING SLEEVE (NOTE 6)
2	1	EA	840-531-060	6"	TAPPING GATE VALVE, TAP FLG X MJ (NOTE 6)
3	4+A.N.	EA	814-102-061	6"	WEDGE RESTRAINER GLAND (MEGALUG FOLLOWER)
4	A.N.	LF	826-005-061	6"	DUCTILE IRON PIPE, MJ, CL 53, CEM. LINED
5	12	SF	825-125-020	2" THICK	ETHAFOAM MATERIAL
6	3	EA	801-105-060	6"	ADAPTER, MJ X FLG
7	2	EA	836-245-060	6" X 6" X 4"	TEE, DI 6"FL X 6"FL X 4"FL
8	2	EA	840-504-060	6"	GATE VALVE, CL 125 FLG X CL 125 FLG
9	1	EA	809-069-040	4"	BEND, 90°, DI, CL 125 FLG X MJ
10	1	EA	840-503-060	6"	MASTER METER OCTAVE
10A	1	EA	811-005-061	6" X 17 1/8"	SPOOL WITH TEST PORT
11	2	EA	840-357-007	3/4" X 2"	CORP STOP, AWWA X IPT, BALL STYLE
12	1	SACK	210-300-020	60 LBS	MORTAR MIX
13	10	EA	210-200-001	2" X 4" X 8"	BRICK
14	1	EA	822-000-000	#2	STD VALVE BOX LID
15	1	EA	822-001-000	#2	STD VALVE BOX TOP
16	1	EA	822-001-001	#2	STD VALVE BOX BOTTOM
17	1	EA	825-140-000	STD	ETHAFOAM RING
18	1	EA	210-410-506	5' X 10'-6" INSIDE	CONC. VAULT MODIFIED UTILITY VAULT 5106
19	10	EA	210-100-002	4" X 8" X 16"	CONCRETE BLOCK
20	4	EA	827-100-120	1/4"x12"x12"	STEEL PLATE
	6	EA	400-540-122	3/4"x1-1/4"x6"	STEEL WEDGE
	6	EA	400-540-125	5"x1"x1/2"	STEEL RAISING WEDGE
21	1	EA	813-527-110	6" X 2"	REDUCING FLANGE, DI, CL 125 FLG X FIPT
22	1	EA	810-269-200	2"	90° STREET ELBOW, GALV
23	1	EA	828-500-020	2"	PIPE PLUG, MIPT, GALV STL, SQUARE HEAD
24	1		809-049-040	4"	90° BEND, DI, CL 125, FLGxFLG
25	1	EA	840-503-040	4"	GATE VALVE, CL125 FLG X CL125 MJ
26	A.N.		826-005-041	4"	DUCTILE IRON PIPE, MJ CL52, CEM. LINED
27	2	EA	814-102-041	4"	WEDGE RESTRAINER GLAND (MEGALUG FOLLOWER)
	6	EA	813-099-015	6" X 11"	6" RUBBER GASKET (RED)
	56	EA	420-410-020	3/4"	HEX NUT
	16	EA	420-215-228	3/4"x3"	HEX BOLT
	24	EA	420-215-232	3/4"x3-1/2"	BOLT
	8	EA	420-235-055	3/4"x6"	STUD BOLT
	1+	EA	450-145-050	10LB PAIL #1408	JET PLUG COMPOUND
	1		840-050-020	2"	BALL VALVE, BRASS 1/4 TURN
	1		824-120-001	2"	CLOSED NIPPLE (BRASS) IPT
	1		828-150-020	2"	PLUG, PIPE (BRASS) IPT
	3		813-099-005	4"x9"	4" RUBBER GASKET (RED)
	24		420-215-192	5/8"x3/4"	BOLTS
	24		420-410-016	5/8"	HEX NUTS
28	1	EA	812-103-020		2" MIPT X CTS BRASS COMPRESSION FITTING
29	1	EA	812-102-020		2" FIPT X CTS BRASS COMPRESSION FITTING
30	5	LF	826-003-020		2" COPPER PIPE, SOFT K
33	1	EA	840-503-060	6"	GATE VALVE, 6" RESILIENT SEAT, CL 125 FL X CL 125 FL

CORROSION PROTECTION MATERIAL LIST

31	1	EA	813-050-060	6"	INSULATING FLANGE KIT (NOTE 8)
32	12	LF	472-642-006	#6AWG	HMW/PE STRANDED JOINT BOND CABLE
	5	EA	075-200-180	#2AWG	CADWELD WIRE 18" LONG
	2	EA	075-200-240	#2AWG	CADWELD WIRE 24" LONG
	22	EA	075-200-008	#CA15	CADWELD SHOT
	22	EA	075-200-006	CAPSULE	ROYSTON HANDI-CAP II
	1	EA	075-200-007	16 OZ	ROYSTON 747 ROY BOND PRIMER
	4	EA	450-050-040	4" X 9"	WAX TAPE (SEE NOTES 2 & 9)
	2	EA	450-040-060	6" X 9"	WAX TAPE (SEE NOTES 2 & 9)
	1	EA	450-100-000	GAL	WAX TAPE PRIMER (SEE NOTES 2 & 9)

6" COMBO FIRE/DOMESTIC SERVICE INSTALLATION AND MATERIALS LIST



8" COMBINATION FIRE/DOMESTIC SERVICE MATERIAL LIST

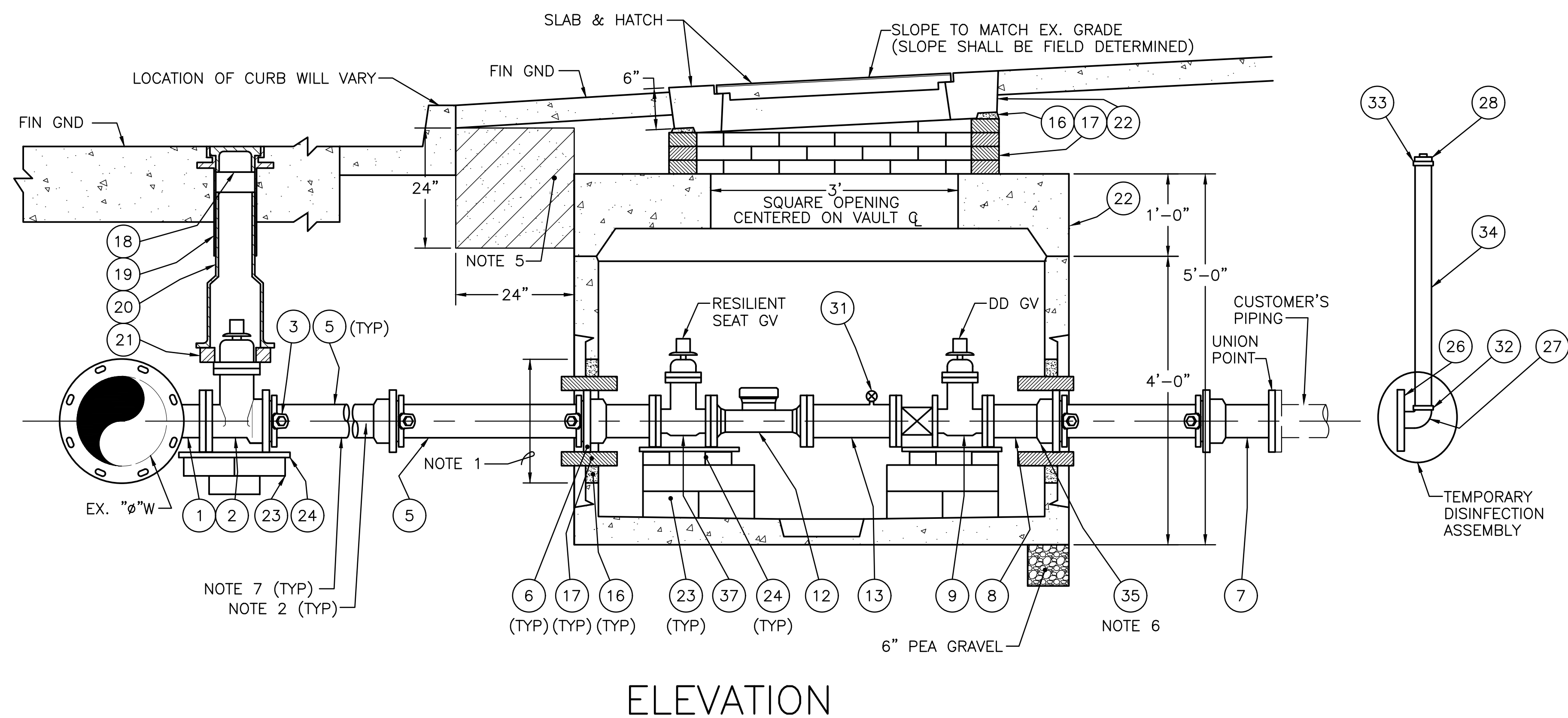
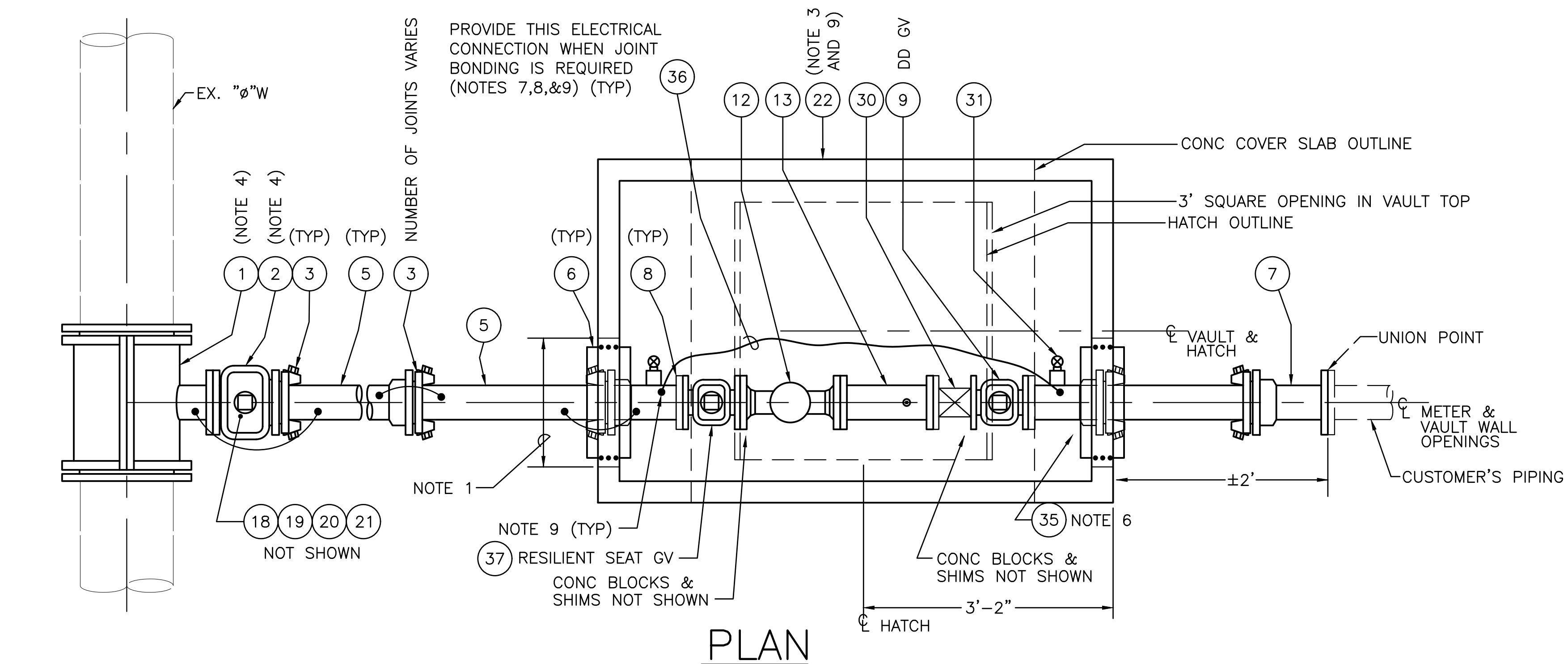
ITEM	QTY	UNIT	SIZE	STOCK NUMBER	DESCRIPTION
1	1	EA	ø X 8"		EPOXY TAPPING SLEEVE (NOTE 6)
2	1	EA	8"	840-531-080	TAPPING GATE VALVE, TAP FLG X MJ (NOTE 6)
3	5	EA	8"	814-102-081	WEDGE RESTRAINER GLAND (MEGALUG FOLLOWER)
4	1+	EA	10LB PAIL	450-145-050	JET PLUG COMPOUND
5	A.N.		8"	826-005-081	DUCTILE IRON PIPE, MJ, CL 52, CEM LINED
6	9	SF	2" THICK	825-125-020	ETHAFOAM MATERIAL
7	3	EA	8"	801-050-080	ADAPTER, MJ X FLG
8	2	EA	8" X 8" X 4"	836-297-080	TEE, DI, 8"FLG X 8"FLG X 4"FLG
9	2	EA	8"	840-503-080	GATE VALVE, CL 125 FLG X CL 125 FLG
10	1	EA	4"	879-003-080	BEND, 90°, DI, CL 125 FLG X MJ
11	1	EA	4"	809-049-040	90° BEND, DI, CL 125, FLGxFLG
12	1	EA	8"	879-007-080	MASTER METER OCTAVE
12A	1	EA	8" X 21 1/8"	811-005-081	SPOOL WITH TEST PORT
13	2	EA	3/4" X 3/4"	840-357-007	CORP STOP, AWWA COMP
16	1	SACK	60 LBS	210-300-020	MORTAR MIX
17	10	EA	STD	210-200-001	BRICK
18	1	EA	#2	822-000-000	STD VALVE BOX LID
19	1	EA	#2	822-001-000	STD VALVE BOX TOP
20	1	EA	#2	822-001-001	STD VALVE BOX BOTTOM
21	1	EA	STD	825-140-000	ETHAFOAM RING
22	1	EA	5' X 10'-6" INSIDE	210-410-506	CONC VAULT MODIFIED UTILITY VAULT 5106
23	10	EA	4"x8"x16"	210-100-002	CONCRETE BLOCK
24	6	EA	1/4"x12"x12"	827-100-120	STEEL PLATE
	4	EA	3/4"x1 1/4"x6"	400-540-122	STEEL WEDGE
	4	EA	5"x1"x1/2"	400-540-125	STEEL RAISING WEDGE
26	1	EA	8"x2"	813-552-133	REDUCING FLANGE, DI, CL 125 FLG X FIPT
27	1	EA	2"	810-269-200	90° STREET ELBOW, GALV
28	1	EA	2"	828-500-020	PIPE PLUG, MIPT, GALV STL, SQUARE HEAD
30	1	EA	4"	840-503-040	GATE VALVE, CL 125 FLG X CL 125 MJ
31	A.N.		4"	826-005-041	DUCTILE IRON PIPE, MJ CL52, CEM LINED
32	2	EA	4"	814-102-041	WEDGE RESTRAINER GLAND (MEGALUG FOLLOWER)
	6	EA	8"x13"	813-099-025	RUBBER GASKET
	56	EA	3/4"	420-410-020	HEX NUT
	16	EA	3/4"x3"	420-215-228	HEX BOLT
	24	EA	3/4"x3-1/2"	420-215-232	BOLT
	8	EA	3/4"x6"	420-235-055	STUD BOLT
	1	EA	2"	840-050-020	BALL VALVE (BRASS)
	1	EA	2"	824-120-001	CLOSED NIPPLE IPT (BRASS)
	1	EA	2"	828-150-020	PLUG, PIPE BRASS IPT
	3	EA	4"	813-099-005	RUBBER GASKET
	24	EA	5/8"x3 1/4"	420-215-192	BOLTS
	24	EA	5/8"	420-410-016	NUTS
33	1	EA		812-103-020	2" MIPT X CTS BRASS COMPRESSION FITTING
34	1	EA		812-102-020	2" FIPT X CTS BRASS COMPRESSION FITTING
35	5	LF		826-003-020	2" COPPER PIPE, SOFT K
38	1	EA	8"	840-503-080	GATE VALVE, 8" RESILIENT SEAT, CL 125 FL X CL 125 FL

A.N. = AS NEEDED

8" COMBO FIRE/DOMESTIC SERVICE INSTALLATION AND MATERIALS LIST



SEATTLE PUBLIC UTILITIES DESIGN STANDARDS AND GUIDELINES



4" DOMESTIC SERVICE MATERIAL LIST					
ITEM	QTY	UNIT	SIZE	STOCK #	DESCRIPTION
1	1	EA	ø" X 4"		EPOXY TAPPING SLEEVE (NOTE 8)
2	1	EA	4"	840-531-040	TAPPING GATE VALVE, TAP FLG X MJ (NOTE 8)
3	4+A.N.	EA	4"	814-102-041	WEDGE RESTRAINER GLAND (MEGALUG FOLLOWER)
5	A.N.		4"	826-005-041	DUCTILE IRON PIPE, MJ, CL 53, CEM. LINED
6	9	SF	2" THICK	825-125-020	ETHAFOAM MATERIAL
7	1	EA	4"	801-050-040	ADAPTER, MJ X FLG
8	2	EA	4" X 4" X 2"	836-211-040	TEE, DI, MJ X FLG X FIPT
9	2	EA	4"	840-503-040	GATE VALVE, CL 125 FLG
12		EA	3"	879-002-030	METRON SPECTRUM 550D
13		EA	4"X13 ½"	879-007-030	MASTER METER OCTAVE
		EA	4"X3"	811-005-043	SPOOL WITH TEST PORT
	2	EA	5/8"X2 3/4"	813-513-104	REDUCER, FLG, SPACE SAVER
	8	EA	5/8"	420-215-188	BOLT
	8	EA	5/8"	420-410-016	HEX NUT
	2	EA	3"X7 1/2"	813-009-001	3" RUBBER GASKET (RED)
12		EA	4"	879-007-040	MASTER METER OCTAVE
13		EA	4"X13 ½"	811-005-043	SPOOL WITH TEST PORT
16	1	SACK	60 LBS	210-300-020	MORTAR MIX
	1+	EA	10LB PAIL	450-145-050	JET PLUG COMPOUND
17	10	EA	2" X 4" X 8"	210-200-001	BRICK
18	1	EA	#2	822-000-000	STD VALVE BOX LID
19	1	EA	#2	822-001-000	STD VALVE BOX TOP
20	1	EA	#2	822-001-001	STD VALVE BOX BOTTOM
21	1	EA	STD	825-140-000	ETHAFOAM RING
22	1	EA	6'-6" X 4'-2" INSIDE	210-410-340	CONCRETE VAULT 575
23	10	EA	4" X 8" X 16"	210-100-002	CONCRETE BLOCK
24	6	EA	1/4"X12"X12"	827-100-120	STEEL PLATE
	4	EA	3/4"X1-1/4"X6"	400-540-122	STEEL WEDGE
	4	EA	5"X1"X1/2"	400-540-125	STEEL RAISING WEDGE
26	1	EA	4" X 2"	813-500-090	REDUCING FLANGE, DI, CL 125 FLG X FIPT
27	1	EA	2"	810-269-200	90° STREET ELBOW, GALV
28	1	EA	2"	828-500-020	PIPE PLUG, MIPT, GALV STL, SQUARE HEAD
29	6	EA	4"X9"	813-099-005	4" RUBBER GASKET (RED)
30	1	EA	4"	840-272-040	WAFER CHECK VALVE
	8	EA	5/8"X8"	420-235-039	STUD BOLT
	56	EA	5/8"	420-410-016	HEX NUT
	16	EA	5/8"X2-3/4"	420-215-188	BOLT
	24	EA	5/8"X3-1/4"	420-215-192	BOLT
31	3	EA	2"	840-050-020	BALL VALVE, BRASS 1/4 TURN
	2	EA	2"	828-150-020	IPT BRASS PLUG, 2"
	3	EA	2"	824-120-001	CLOSED NIPPLE, BRASS
32	1	EA		812-103-020	2" ADAPTER MIPTxCTS BRASS COMPRESSION FITTING
33	1	EA		812-102-020	2" ADAPTER FIPTxCTS BRASS COMPRESSION FITTING
34	5	LF	2"	826-003-020	2" COPPER PIPE, SOFT K
37	1	EA	4"	840-503-040	GATE VALVE, 4" RESILIENT SEAT, CL 125 FL X CL 125 FL
CORROSION PROTECTION MATERIAL LIST					
35	1	EA	4"	813-050-040	INSULATING FLANGE KIT (NOTE 6)
36	9	LF	#6AWG	472-642-006	HMW/PE STRANDED JOINT BOND CABLE
	5	EA	#2AWG	075-200-180	CADWELD WIRE 18" LONG
	2	EA	#2AWG	075-200-240	CADWELD WIRE 24" LONG
	22	EA	#CA15	075-200-008	CADWELD SHOT
	22	EA	CAPSULE	075-200-006	ROYSTON HANDI-CAP II
	1	EA	16 OZ	075-200-007	ROYSTON 747 ROY BOND PRIMER
	4	ROLL	4" X 9"	450-050-040	WAX TAPE (SEE NOTES 3 & 11)
	2	ROLL	6" X 9"	450-050-060	WAX TAPE (SEE NOTES 3 & 11)
	1	EA	GAL	450-100-000	WAX TAPE PRIMER (SEE NOTE 3 & 11)

4" DOMESTIC SERVICE INSTALLATION AND MATERIALS LIST	
 Seattle Public Utilities	SEATTLE PUBLIC UTILITIES DESIGN STANDARDS AND GUIDELINES ORDINANCE NO. ND: SCALE: NTS PW NO.
JOB NO. PC R/W CO VAULT PLAN NO. SHEET 1 OF 1	



A.N. = AS NEEDED

6" DOMESTIC SERVICE INSTALLATION AND MATERIAL LIST



PW NO.

PC
R/W
CO

FAULT PLAN NO.

SHEET 1 OF 1

BY:
PURCHASING AND CONTRACTING DIRECTOR

ALL WORK SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS OF THE PROJECT MANUAL.

THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS
FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL

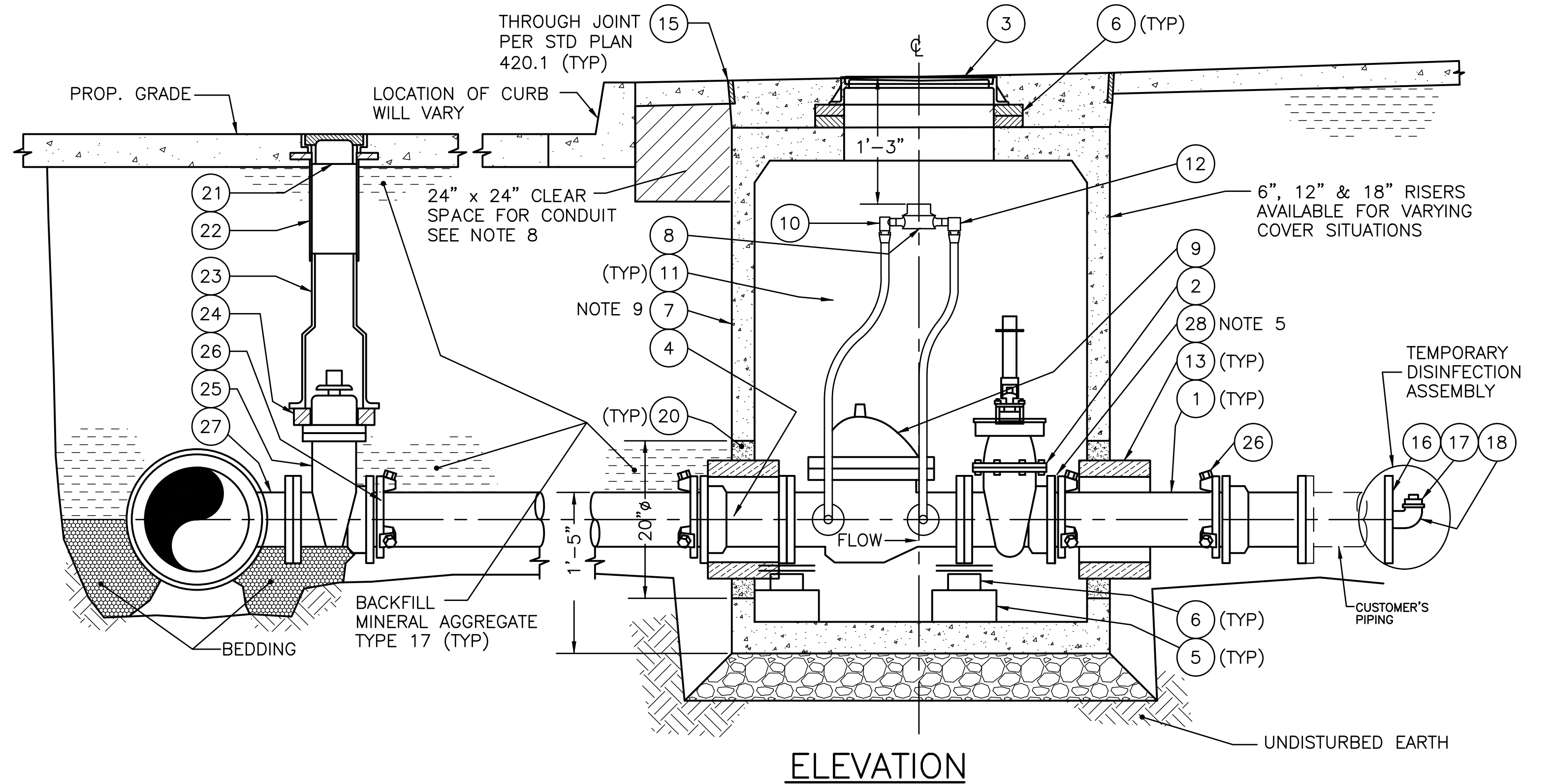
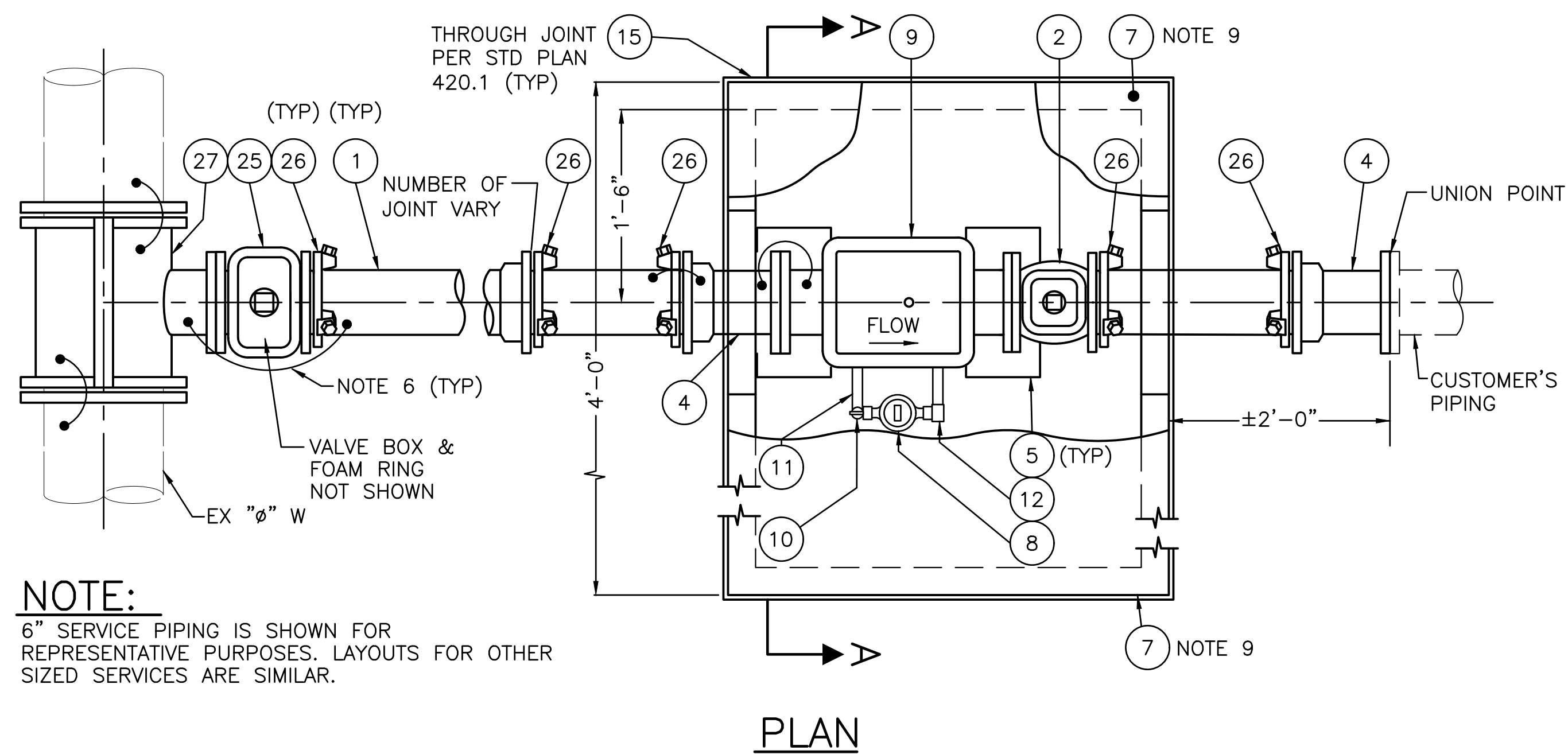
ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL



ITEM	QTY	UNITS	DESCRIPTION	NUMBER
1	AS NEEDED	EA	STEEL WEDGES AND/OR 12" X 12" STEEL PLATE(S)	
2	AS NEEDED	EA	4 X 8 X 16 CONCRETE BLOCK	
3	1	EA	1 1/2" AWWA X 2" MIPT BALL TYPE BRASS CORPORATION STOP	MC # 3121B-1 1/2 IN
4	1	EA	2" BRASS CURB STOP, FIPT X COMP & W/ 2" OPERATING NUT	MC # 6102-22-2
5	AS NEEDED	EA	VALVE OPERATING NUT EXTENSION, SEATTLE STD PLAN No. 315b	
6	1	EA	VALVE BOX W/LID, SEATTLE STD PLAN No. 315a	
7	1	EA	10" O.D. X 6" I.D. X 2" THICK PLASTIC FOAM RING	ETHAFOAM
8	*	LF	2" COPPER SERVICE TUBE, TYPE K	TRENTON #1 OR EQUAL
9	1	EA	#2 METER BOX AND LID	OLYMPIC F. SM29
10	1	EA	2" COUPLING, COMP X FIPT	
11	1	EA	3" DETECTOR CHECK	
12	1	EA	INSULATION BLANKET 13" X 18" #2	
13	1	EA	2" PLUG, PLASTIC THREADED	

2" DC FIRE SERVICE INSTALLATION AND MATERIALS LIST

SEATTLE PUBLIC UTILITIES DESIGN STANDARDS AND GUIDELINES	JOB NO.	PC R/W CO
	VAULT PLAN NO.	
	SHEET	1 OF 1



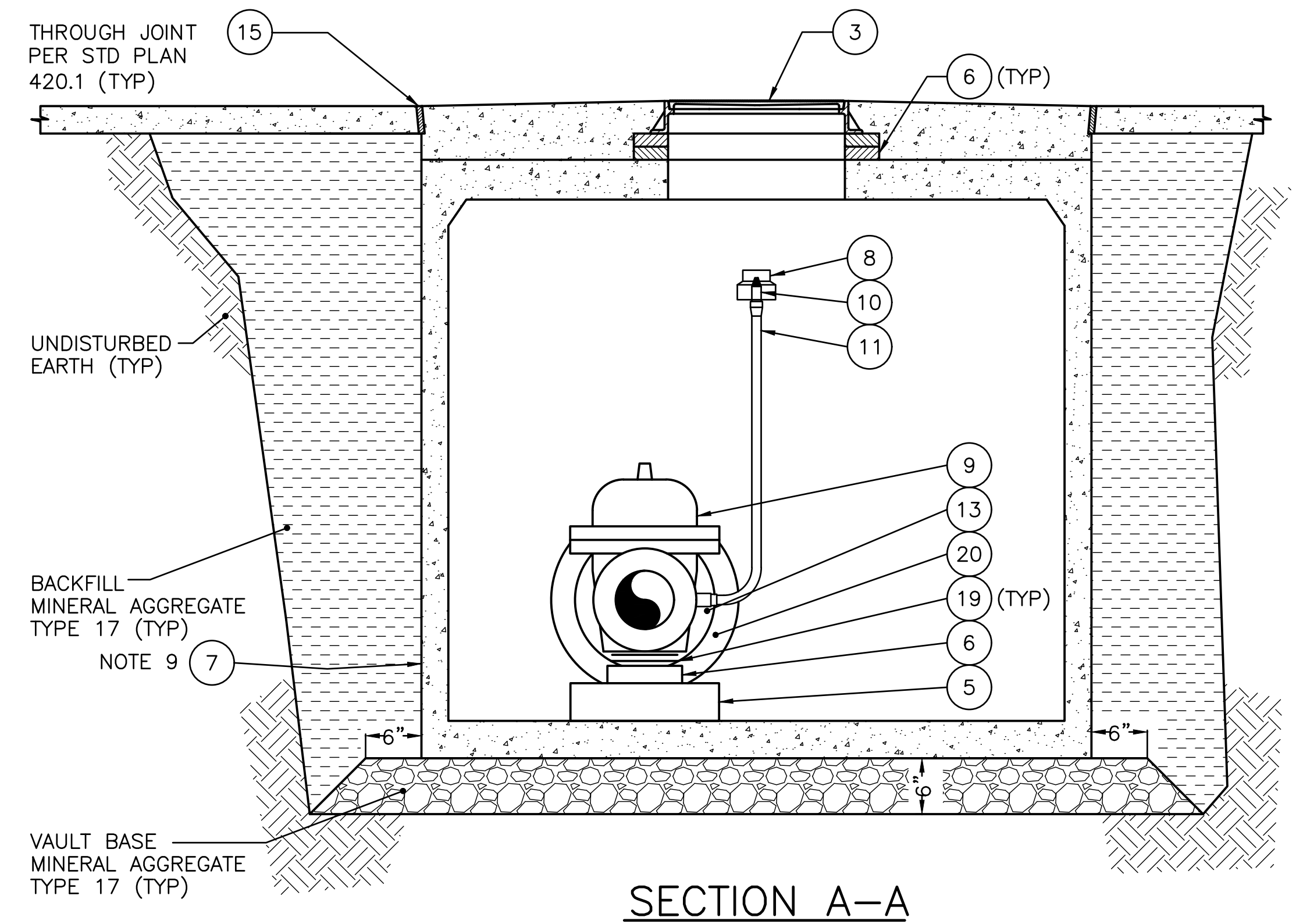
DETECTOR CHECK FIRE SVC MATERIAL LIST				4" DC SERVICE		6" DC SERVICE		8" DC SERVICE			
ITEM	DESCRIPTION	UNIT	QTY	SIZE	STOCK NUMBER	QTY	SIZE	STOCK NUMBER	QTY	SIZE	STOCK NUMBER
1	DUCTILE IRON PIPE, MJ, CL 52, CEM. LINED		A.N.	4"	826-005-041	A.N.	6"	826-005-061	A.N.	8"	826-005-081
2	GATE VALVE, FLG X MJ	EA	1	4"	840-506-040	1	6"	840-506-060	1	8"	840-506-080
3	3'-0" DIAMETER FRAME	EA	1	OPTIONAL	822-001-364	1	OPTIONAL	822-001-364	1	OPTIONAL	822-001-364
	3'-0" COVER W/INSPECTION LID	EA	1		822-000-370	1		822-000-370	1		822-000-370
	#3 METER BOX	EA	1		IF VAULT IS NOT USED	822-001-011		1	IF VAULT IS NOT USED		822-001-011
	#3 LID	EA	1		822-000-030	1		822-000-030	1		822-000-030
4	ADAPTER, MJ X CL125 FLG	EA	3	4"	801-105-040	3	6"	801-105-060	3	8"	801-105-080
5	CONCRETE BLOCK	EA	2	4"x8"x16"	210-100-002	2	4"x8"x16"	210-100-002	2	4"x8"x16"	210-100-002
6	BRICK, STANDARD	EA	48	2"x4"x8"	210-200-001	48	2"x4"x8"	210-200-001	48	2"x4"x8"	210-200-001
7	CONCRETE VAULT & H-20 RATED VAULT TOP W/ 36"ø RING & COVER W/ INSPECTION LID AND BURKE LIFTING INSERTS (OPTIONAL)	EA	1	UTILITY VAULT 444LA	N/A OPTIONAL	1	UTILITY VAULT 444LA	N/A	1	UTILITY VAULT 504LA	N/A
8	WATER METER	EA	1	5/8" x 3/4"	879-004-703	1	5/8" x 3/4"	879-004-703	1	5/8" x 3/4"	879-004-703
9	DETECTOR CHECK VALVE	EA	1	4"	840-280-040	1	6"	840-280-060	1	8"	840-280-080
10	TSO, LOCK WING, FLARE X METER COUPLING NUT	EA	1	3/4"	840-071-007	1	3/4"	840-071-007	1	3/4"	840-071-007
11	PIPE, COPPER SOFT K	LF	10	3/4"	826-003-007	10	3/4"	826-003-007	10	3/4"	826-003-007
12	VALVE, ANGLE CHECK, FLARE X METER COUPLING NUT	EA	1	3/4"	840-211-007	1	3/4"	840-211-007	1	3/4"	840-211-007
13	ETHAFOAM MATERIAL (OPTIONAL)	SF	12	2"	825-125-020	12	2"	825-125-020	12	2"	825-125-020
14	OMITTED										
15	NON-EXTRUDING PREMOLDED JOINT FILLER (OPTIONAL)	LF	16	1/2" x 4"	N/A	16	1/2" x 4"	N/A	16	1/2" x 4"	N/A
16	REDUCING FLG, DI, CL125 X FIPT	EA	1	4" x 2"	813-500-090	1	6" x 2"	813-527-110	1	8" x 2"	813-552-133
17	PIPE PLUG, MIPT, GALV STL, SQUARE HEAD	EA	1	2"	828-500-020	1	2"	828-500-020	1	2"	828-500-020
18	90° STREET ELBOW, GALV	EA	1	2"	810-269-200	1	2"	810-269-200	1	2"	810-269-200
19	STEEL SHIM PLATE	EA	4	1/4"x12"x12"	827-100-120	4	1/4"x12"x12"	827-100-120	4	1/4"x12"x12"	827-100-120
21	STD VALVE BOX LID	EA	2	#2	822-000-000	2	#2	822-000-000	2	#2	822-000-000
22	STD VALVE BOX TOP	EA	2	#2	822-001-000	2	#2	822-001-000	2	#2	822-001-000
23	STD VALVE BOW BOTTOM	EA	1	#2	822-001-001	1	#2	822-001-001	1	#2	822-001-001
24	ETHAFOAM RING	EA	2	STD	825-140-000	2	STD	825-140-000	2	STD	825-140-000
25	TAPPING GATE VALVE, TAP FLG X MJ	EA	1	4"	840-531-040	1	6"	840-531-060	1	8"	840-531-080
26	WEDGE RESTRAINER GLAND (NOTE 4)	EA	4+	4"	814-102-041	4+	6"	814-102-061	4+	8"	814-102-081
27	TAPPING SLEEVE, MJ X TAPPING FLG (NOTE 4)	EA	1	ø" X 4"		1	ø" X 6"		1	ø" X 8"	
	GASKET, RUBBER	EA	3	4" x 9"	813-099-005	3	6" x 11"	813-099-015	3	8" x 13"	813-099-025

NOTES:

1. A.N. = AS NEEDED
2. CONSTRUCT VAULT WITH MIN. 20" SQUARE KNOCKOUTS WHERE SHOWN.
3. APPLY TRENTON WAX TAPE #1 OR TWO COATS MASTIC PAINT TO BOLTS, NUTS, WASHERS, AND OTHER BARE METAL.
4. IF THIS IS NEW CONSTRUCTION, USE FLANGED OUTLET TEE AND FLANGE X MJ GATE VALVE STOCK #840-506-040
9. DC FIRE SERVICES TO BE DIRECT BURIED UNLESS OTHERWISE NOTED IN WORK PLAN OR BY THE ENGINEER.

CORROSION PROTECTION NOTES:

5. FLANGE INSULATING KIT (KEYED NOTE 28) SHALL BE INSTALLED WHERE THE SUPPLY MAIN IS CATHODICALLY PROTECTED.
6. WHEN SERVICE IS SUPPLIED FROM A TAPE-COATED OR OTHER CORROSION PROTECTED SUPPLY MAIN, THE SERVICE PIPING SHALL BE PROVIDED WITH A MATCHING COATING SYSTEM, AND THE JOINTS SHALL BE BONDED AND WAX TAPE COATED.
7. INSTALLATION AND MATERIALS FOR CORROSION PROTECTION MEASURES SHALL CONFORM TO THE RELATED CORROSION PROTECTION STANDARD PLANS. THE MATERIALS LIST ABOVE DOES NOT INCLUDE ALL THE MATERIALS REQUIRED FOR THE STANDARD PLANS.
8. MAINTAIN 24" VERTICAL CLEARANCE BETWEEN VAULT LID AND BOTTOM OF SIDEWALK OR MAINTAIN 24" HORIZONTAL X 24" VERTICAL CLEAR AREA BETWEEN BACK OF CURB AND FRONT FACE OF VAULT IF NOT ATTAINABLE, CONTACT SPU WATER ENGINEERING.



4"-8" X 3/4" DC FIRE SERVICE INSTALLATION AND MATERIALS LIST

APPROVED FOR ADVERTISING LIZ ALZEER DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES SEATTLE, WASHINGTON 20	INITIALS AND DATE		INITIALS AND DATE	
	DESIGNED CHECKED	REVIEWED:		
		DES.	CONST.	
		SDOT	PROJ. MGR.	
DRAWN CHECKED	RECEIVED			
	REVISED AS BUILT			
BY: _____ PURCHASING AND CONTRACTING DIRECTOR		ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.		



**Seattle
Public Utilities**

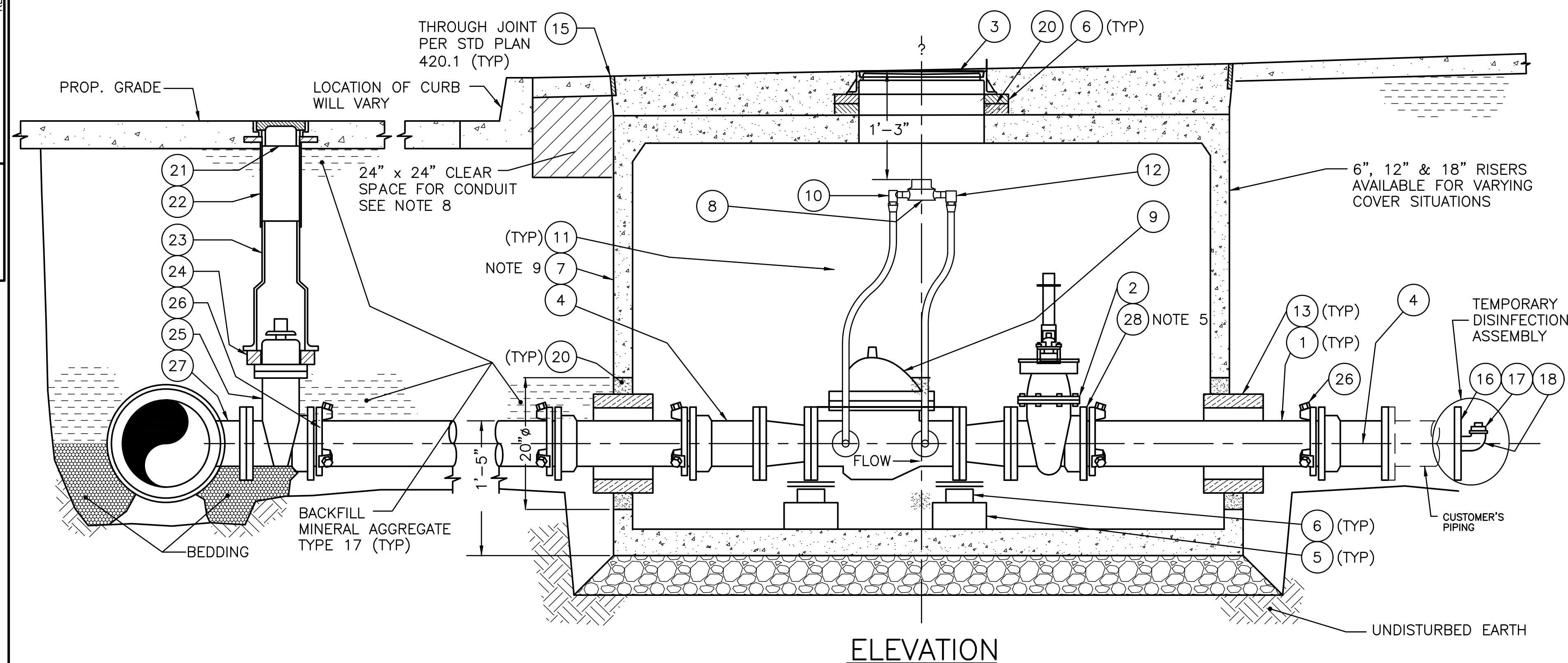
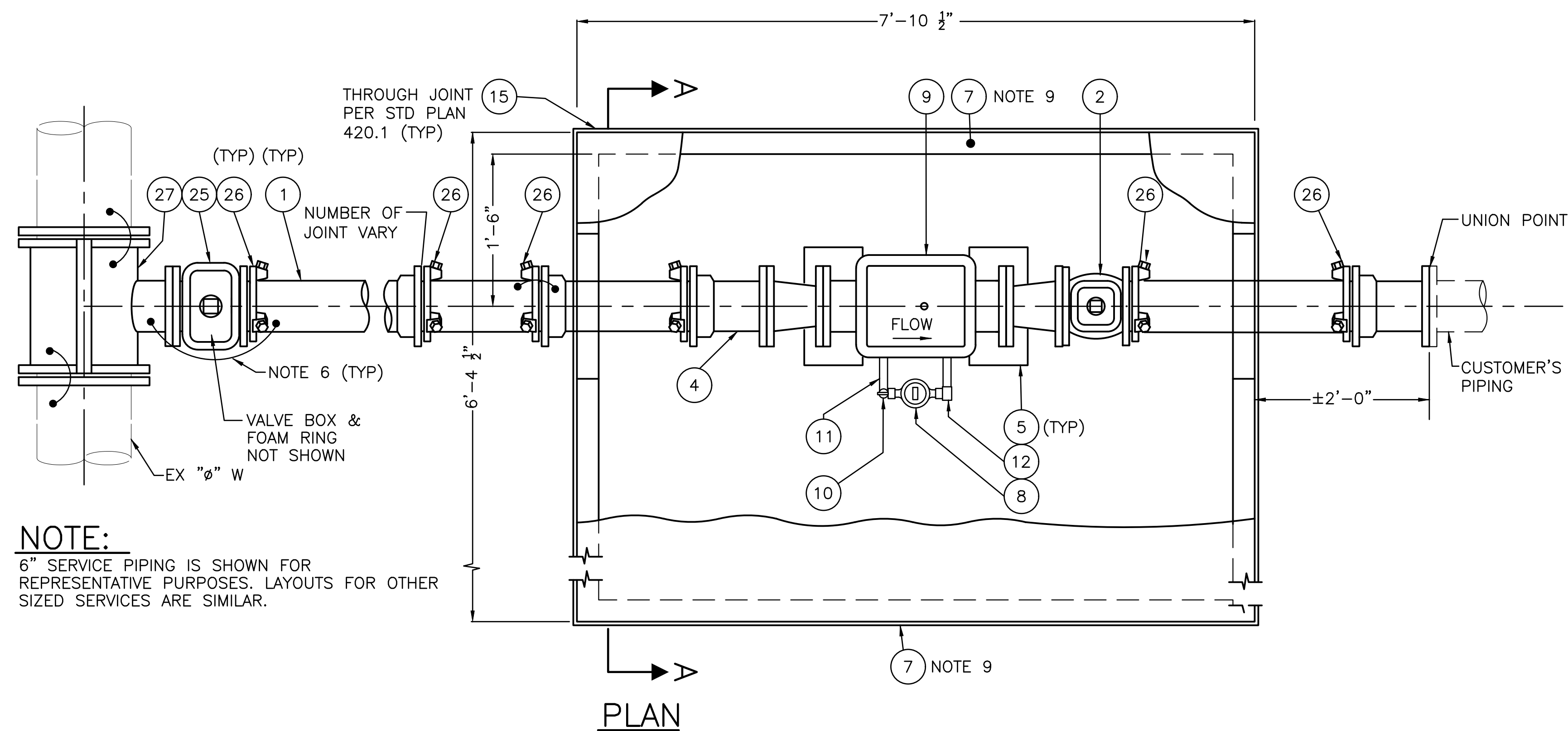
ORDINANCE NO. _____ PW NO. _____

FUND: _____

SCALE: NTS

SEATTLE PUBLIC UTILITIES DESIGN STANDARDS AND GUIDELINES

NO.	PC
NO.	R/W
NO.	CO
FAULT PLAN NO.	
SHEET 1 OF 1	



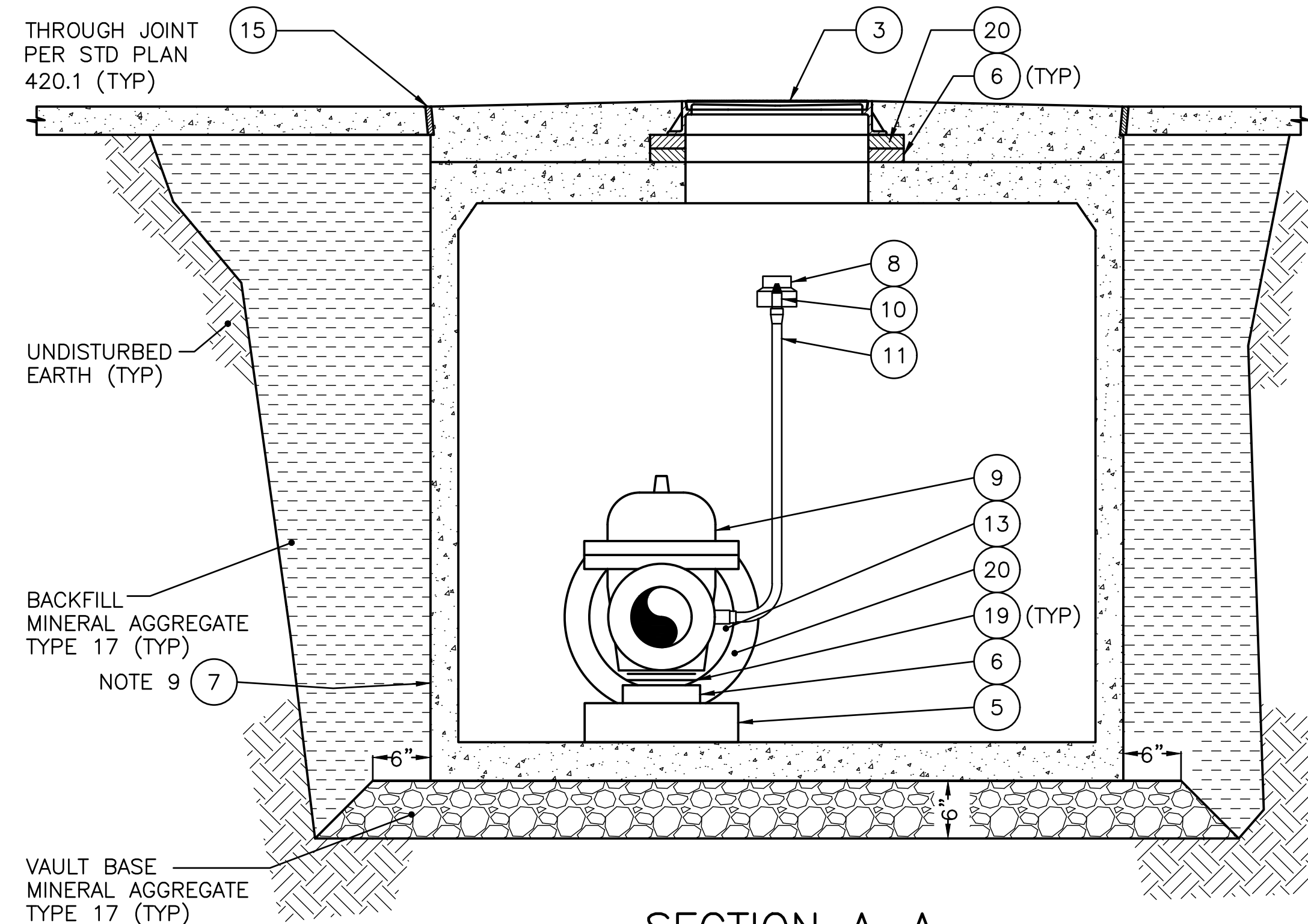
DETECTOR CHECK FIRE SVC MATERIAL LIST				10" DC SERVICE	
ITEM	DESCRIPTION	UNIT	QTY	SIZE	STOCK NUMBER
1	DUCTILE IRON PIPE, MJ, CL 52, CEM. LINED		A.N.	12"	826-005-121
2	GATE VALVE, FLG X MJ	EA	1	12"	840-506-120
3	3'-0" DIAMETER FRAME	EA	1	OPTIONAL	822-001-364
	3'-0" COVER W/INSPECTION LID	EA	1		822-000-370
	#3 METER BOX	EA	1	IF VAULT IS	822-001-011
	#3 LID	EA	1	NOT USED	822-000-030
	FLANGE ADOPTOR, WITHOUT SHACKLE EARS, MJ X CL125 FLG	EA	3	12"	820-145-120
5	CONCRETE BLOCK	EA	2	4"x8"x16"	210-100-002
6	BRICK, STANDARD	EA	48	2"x4"x8"	210-200-001
7	CONCRETE VAULT & H-20 RATED VAULT TOP W/ 36"ø RING & COVER W/ INSPECTION LID AND BURKE LIFTING INSERTS (OPTIONAL)	EA	1	UTILITY VAULT 675LA	N/A
8	WATER METER	EA	1	5/8" x 3/4"	879-004-703
9	DETECTOR CHECK VALVE	EA	1	10"	840-280-010
10	TSO, LOCK WING, FLARE X METER COUPLING NUT	EA	1	3/4"	840-071-007
11	PIPE, COPPER SOFT K	LF	10	3/4"	826-003-007
12	VALVE, ANGLE CHECK, FLARE X METER COUPLING NUT	EA	1	3/4"	840-211-007
13	ETHAFOAM MATERIAL (OPTIONAL)	SF	12	2"	825-125-020
14	OMITTED				
15	NON-EXTRUDING PREMOLDED JOINT FILLER (OPTIONAL)	LF	16	1/2" x 4"	N/A
16	REDUCING FLG, DI, CL125 X FIPT	EA	1	12" x 2"	813-563-140
17	PIPE PLUG, MIPT, GALV STL, SQUARE HEAD	EA	1	2"	828-500-020
18	90° STREET ELBOW, GALV	EA	1	2"	810-269-200
19	STEEL SHIM PLATE	EA	4	1/4"x12"x12"	827-100-120
20	STD VALVE BOX LID	EA	2	#2	822-000-000
22	STD VALVE BOX TOP	EA	2	#2	822-001-000
23	STD VALVE BOW BOTTOM	EA	1	#2	822-001-001
24	ETHAFOAM RING	EA	2	STD	825-140-000
25	TAPPING GATE VALVE, TAP FLG X MJ	EA	1	12"	840-531-120
26	WEDGE RESTRAINER GLAND (NOTE 4)	EA	4+	12"	814-102-121
27	TAPPING SLEEVE, MJ X TAPPING FLG (NOTE 4)	EA	1	ø" X 12"	
	GASKET, RUBBER	EA	2	10" X 16"	813-099-035
	GASKET, RUBBER		4	12" X 19"	813-099-045
	REDUCER, DI, FLG		2	12" X 10"	830-490-120

NOTES:

1. A.N. = AS NEEDED 5.
2. CONSTRUCT VAULT WITH MIN. 20" SQUARE 6.
KNOCKOUTS WHERE SHOWN.
3. APPLY TRENTON WAX TPE #1 OR TWO COATS 7.
MASTIC PASTE TO BOLTS, NUTS, WASHERS,
AND OTHER BARE METAL.
4. IF THIS IS NEW CONSTRUCTION, USE FLANGED 8.
OUTLET TEE AND FLANGE X MJ GATE VALVE
STOCK #840-506-040
9. DC FIRE SERVICES TO BE DIRECT BURIED UNLESS
OTHERWISE NOTED IN WORK PLAN OR BY THE ENGINEER.

CORROSION PROTECTION NOTES:

5. FLANGE INSULATING KIT (KEYED NOTE 28) SHALL BE INSTALLED WHERE THE SUPPLY MAIN IS CATHODICALLY PROTECTED.
6. WHEN SERVICE IS SUPPLIED FROM A TAPE-COATED OR OTHER CORROSION PROTECTED SUPPLY MAIN, THE SERVICE PIPING SHALL BE PROVIDED WITH A MATCHING COATING SYSTEM, AND THE JOINTS SHALL BE BONDED AND WAX TAPED.
7. THE DESIGN AND CONSTRUCTION FOR PROTECTION MEASURES SHALL CONFORM TO THE RELATED CORROSION PROTECTION STANDARD PLANS. THE MATERIALS LIST ABOVE DOES NOT INCLUDE ALL THE MATERIALS REQUIRED FOR THE STANDARD PLANS.
8. MAINTAIN 24" VERTICAL CLEARANCE BETWEEN VAULT LID AND BOTTOM OF SIDEWALK OR MAINTAIN 24" HORIZONTAL X 24" VERTICAL CLEAR AREA BETWEEN BACK OF CURB AND FRONT FACE OF VAULT IF NOT ATTAINABLE, CONTACT SPU WATER ENGINEERING.



10" X 3/4" DC FIRE SERVICE INSTALLATION AND MATERIAL LIST

ORDINANCE NO. _____
FUND: _____
SCALE: NTS _____

PW NO

SEATTLE PUBLIC UTILITIES DESIGN STANDARDS AND GUIDELINES

JOB NO.	PC
	R/W
	CO
VAULT PLAN NO.	
SHEET 1 OF	