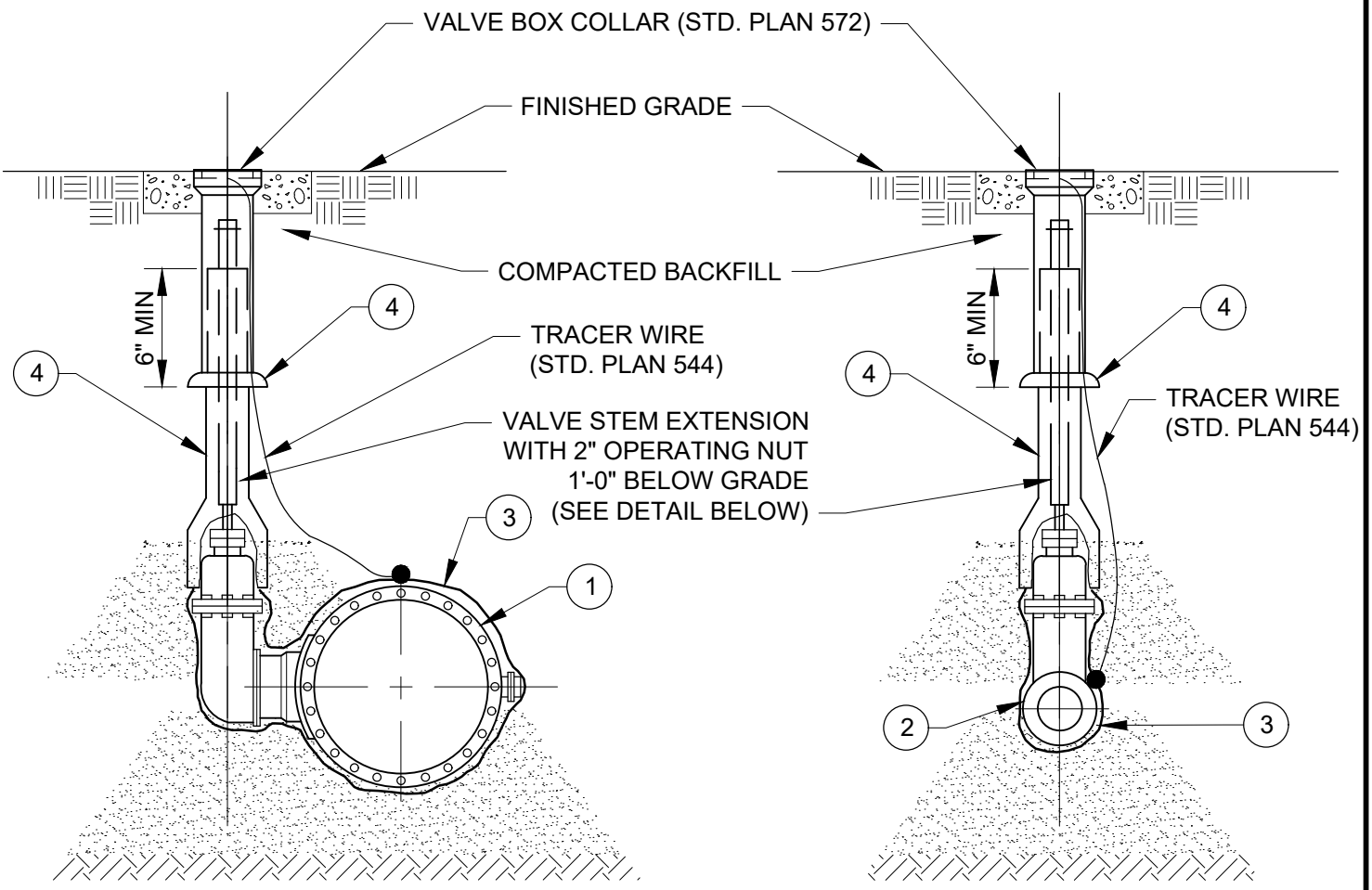
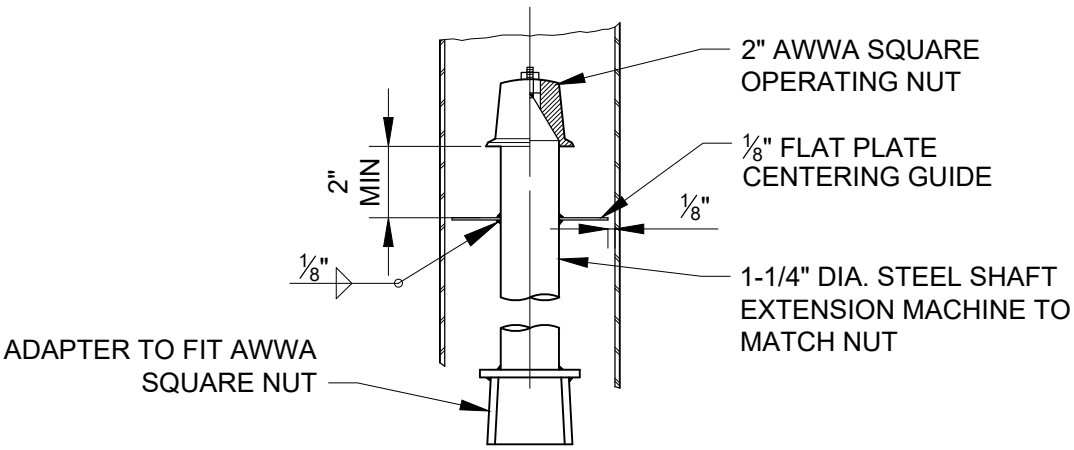


BUTTERFLY VALVE

GATE VALVE



VALVE STEM EXTENSION

NOTES:

1. VALVE STEM EXTENSIONS ARE ONLY TO BE USED WHEN THE VALVE IS GREATER THAN 8' DEEP
2. REFER TO STD. PLAN 570 S FOR LEGEND ITEMS, APPROVED PARTS LIST, AND DETAIL NOTES.

PARK CITY 1884 PARK CITY MUNICIPAL CORPORATION **WATER**	DATE 03/2024 REV. 1	**BURIED VALVE AND VALVE BOX**	STD. PLAN **570**

LEGEND AND APPROVED PARTS LIST

ITEM	DESCRIPTION	ACCEPTABLE MANUFACTURER	MODELS
①	BUTTERFLY VALVE, NRS, AWWA C504 CLASS 250B, 250 PSI, SST BONNET BOLTS, FLANGED END CONNECTIONS	MUELLER	LINESEAL XPII, 5227 SERIES OR APPROVED EQUAL
②	GATE VALVE, NRS, AWWA C509, 250 PSI, SST BONNET BOLTS, END CONNECTIONS PER FOLLOWING: ON TEES: FLG x FLG IN-LINE VALVES: MJ x MJ OTHERS: MJ x MJ, OR PER DESIGN	MUELLER	SERIES 2360 OR APPROVED EQUAL
③	POLYETHYLENE ENCASEMENT, HIGH DENSITY CROSS LAMINATED (HDCL) POLYETHYLENE FILM, AWWA C105 & AWWA C703E METHOD C	CHRISTY'S OR APPROVED EQUAL	AWWA C703E METHOD C (4 MIL)
④	VALVE BOX, CAST IRON, TWO PIECE, SLIP TYPE WITH CAST IRON DROP-IN COVER MARKED AS FOLLOWS: ISOLATION VALVE: "WATER" BUTTERFLY VALVE: "BFV" IRRIGATION: "IRRIG" FIRE LINE VALVE: "FIRE" VALVE BOX RISER: LIMIT ONE PER VALVE BOX	D&L SUPPLY OR APPV'D EQUAL	BOX AND LID: M-8042 RISER: M-8049 THRU M-8055 EXTENSION: M-8070

DETAIL NOTES

1. VALVES TO BE RATED FOR WORKING AND TEST PRESSURE OF WATER MAIN
2. PROVIDE FUSION BONDED EPOXY COATING ON GATE VALVE AND BUTTERFLY VALVE INTERIOR AND EXTERIOR
3. PROVIDE 316 SST BOLTS AND NUTS WITH ANTI-SEIZE LUBRICANT ON FLANGED CONNECTIONS
4. DO NOT LOCATE VALVE AND VALVE BOX WITHIN CURB OR GUTTER
5. CENTER VALVE BOX ON VALVE OPERATING NUT
6. SET VALVE BOX PLUMB WITHOUT DEFLECTIONS IN VALVE BOX JOINTS
7. PROVIDE ADDITIONAL SLIP BASE FOR VALVE BOX ON 7' BURY WATER MAIN
8. APPLY WAX TAPE COATING SYSTEM TO VALVE BONNET BOLTS AND ALL OTHER BURIED BOLTS AND NUTS, AWWA C217. SYSTEM TO INCLUDE FILLER MATERIAL, TAPE COATING, AND PROTECTIVE OUTERWRAP. DENSO NORTH AMERICA, TRENTON, OR APPROVED EQUAL (STD. PLAN 534)

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PARK CITY MUNICIPAL CORPORATION
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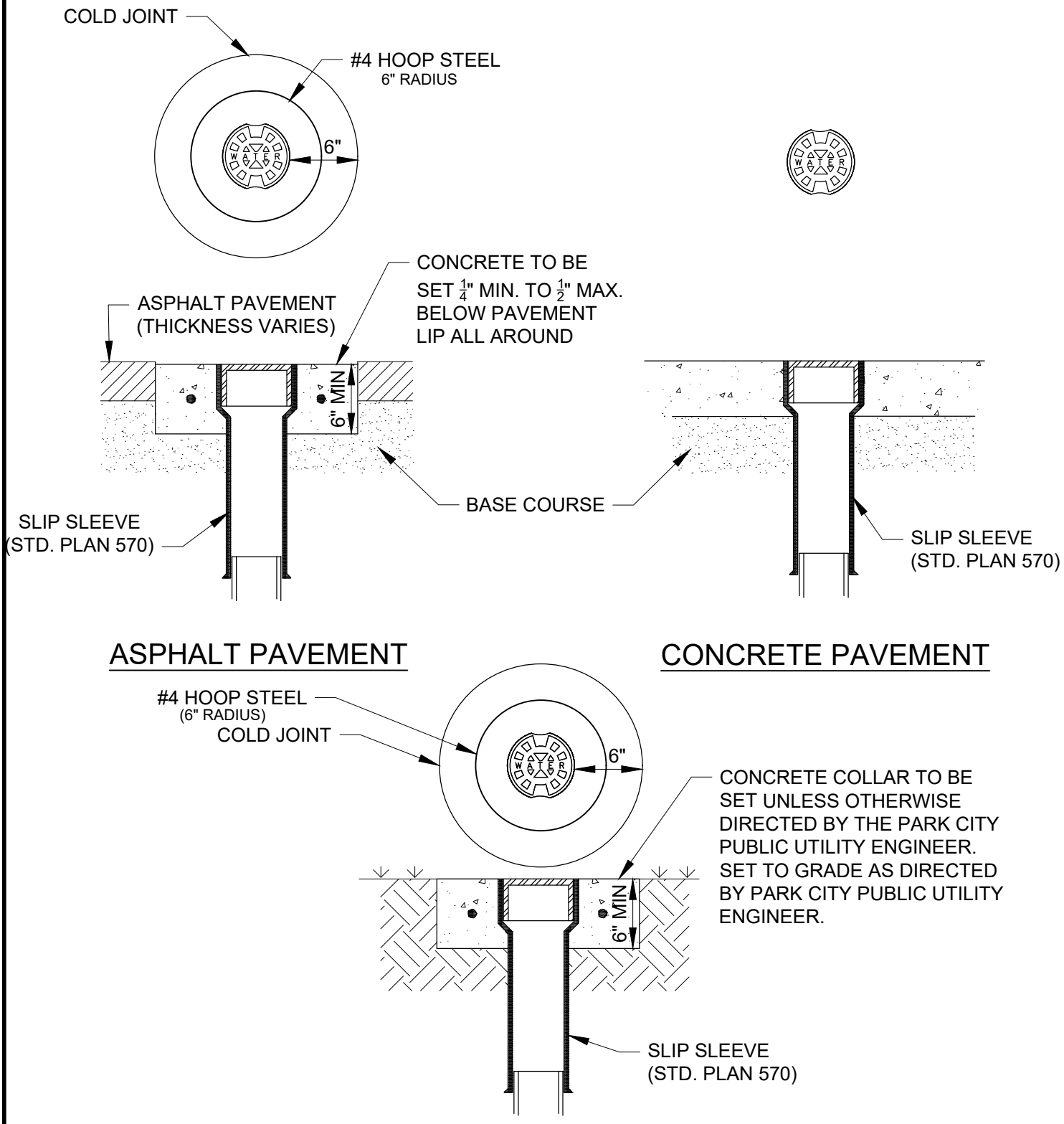


PARK CITY 1884 PARK CITY MUNICIPAL CORPORATION **WATER**	DATE 5/2025 REV. 2	**VALVE BOX COLLAR**	STD. PLAN **572**

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO PARK CITY DESIGN STANDARDS, CONSTRUCTION SPECIFICATIONS, AND STANDARD DRAWINGS.

2. SUBMIT SHOP DRAWINGS TO DESIGN ENGINEER AND CITY ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION. INCLUDE MECHANICAL, STRUCTURAL, ELECTRICAL AND INSTRUMENT DRAWINGS IDENTIFYING CONDUIT, CONDUCTOR, CABLE, SIZE AND ROUTINGS FOR POWER, GROUNDING, INSTRUMENTATION, AND CONTROLS, OPENINGS, PIPE, VALVES, HATCH, AND ALL VAULT COMPONENTS.

3. VAULT BACKFILL: STRUCTURAL FILL MATERIAL COMPACTED TO 95% MINIMUM OF MODIFIED PROCTOR DENSITY.

4. DUCTILE IRON PIPE, FITTINGS, COUPLERS, FLANGES, ETC. SHALL BE IN ACCORDANCE WITH AWWA C153, C111, AND C110 AND RATED FOR A MINIMUM 250 PSI WORKING PRESSURE.

5. FLANGED JOINTS: 125 LB FLANGES, ANSI/AWWA C115/A21.15. "FULL FACE FLANGE-TYTE" GASKET OR "RING FLANGE-TYTE" GASKET (OR PRE-APPROVED EQUAL). GASKETS TO BE HIGH-PERFORMANCE TYPE, 1/8" THICK, AND HAVE AT LEAST (3) BULB TYPE RINGS MOLDED INTO BOTH GASKET FACES, ANSI/AWWA C110/A21.11.

6. FITTINGS: FULL BODY AWWA C110. NO COMPACT FITTINGS. DOMESTIC "MADE IN USA".

7. DUCTILE IRON PIPE AND FITTINGS: UNCOATED. PRIME AND PAINT WITH NSF APPROVED HIGH SOLIDS EPOXY PAINT, TNEMEC POTA-POX N140 OR PRE-APPROVED EQUAL. HIGH PRESSURE SIDE, LIGHT BLUE. LOW PRESSURE SIDE, OFF WHITE.

8. ALL VALVES INSIDE VAULT SHALL BE RATED FOR 250 PSI WORKING PRESSURE, OR HIGHER IF REQUIRED FOR PROJECT.

9. VAULT SHALL BE PRECAST CONCRETE. APPROVAL MUST BE GIVEN TO USE CAST IN PLACE CONCRETE. VAULT SHALL BE DESIGNED FOR HS-20 LOADING. THE LOCATION OF THE PRECAST JOINTS MUST BE APPROVED. SITE SPECIFIC APPROVAL REQUIRED.

10. SEAL ALL JOINTS WITH PREFORMED FLEXIBLE SEALANT CONFORMING TO ASTM C990, AND WRAP WITH EXTERNAL JOINT SEALANT MEETING ASTM C877. FILL JOINTS INSIDE VAULT WITH CAULK OR GROUT.

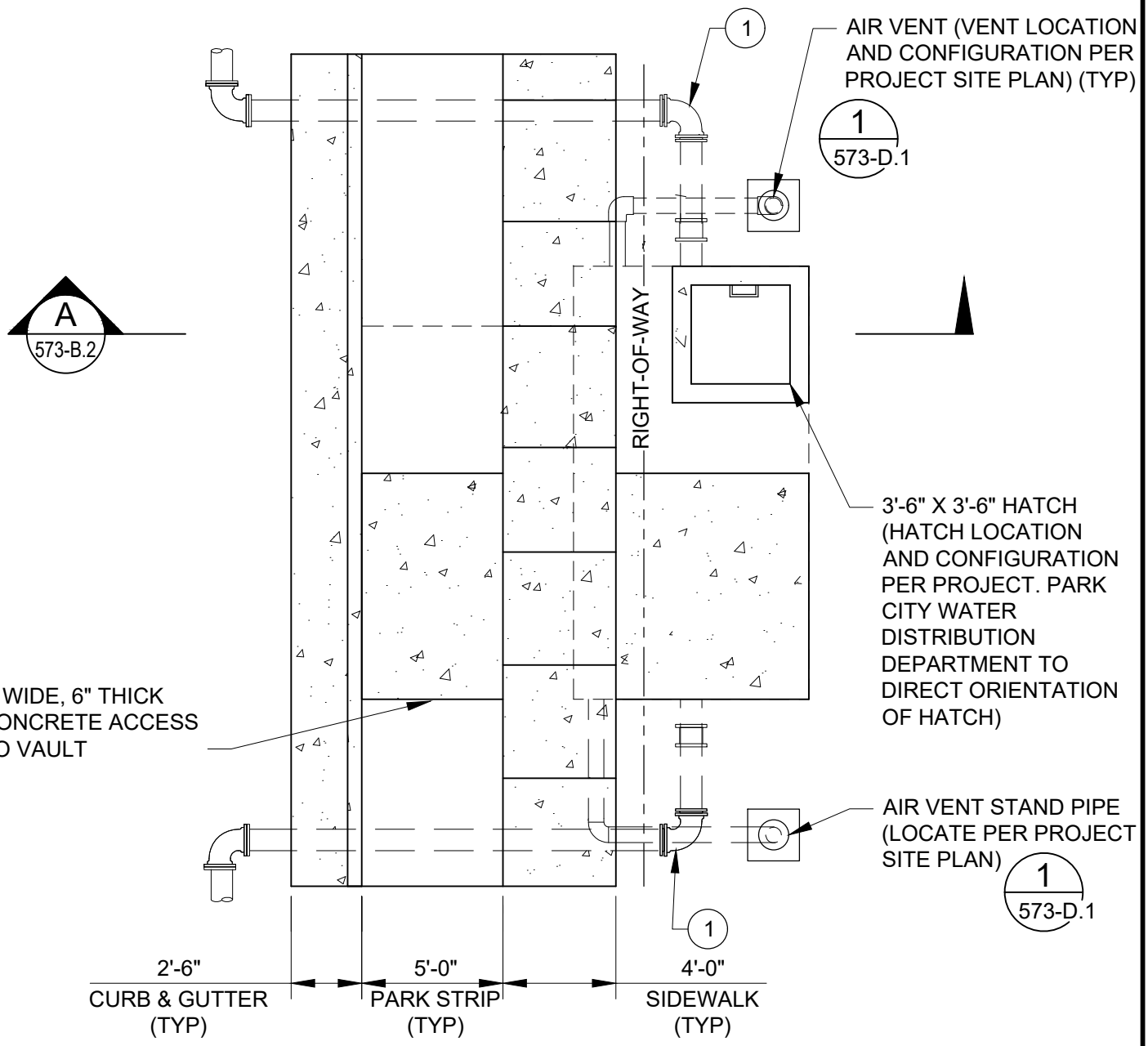
11. PROVIDE (2) 8 HR DAYS FOR TESTING, STARTUP, AND TRAINING FOR PRV VALVES WITH MANUFACTURER REPRESENTATIVE.

12. SEAL ALL VAULT PENETRATIONS WITH HYDROPHILIC NON-SHRINK GROUT.

13. 36" MINIMUM LANDSCAPE CLEARANCE AROUND HATCH REQUIRED.

14. 24" CLEAR, CONVENIENT AND UNINHIBITED ACCESS PATH REQUIRED TO HATCH.

PARK CITY 1884 PARK CITY MUNICIPAL CORPORATION **WATER**	DATE 10/2020 REV. 1	**PRESSURE REDUCING VALVE VAULT**	STD. PLAN **573-A**



VAULT LOCATION PLAN

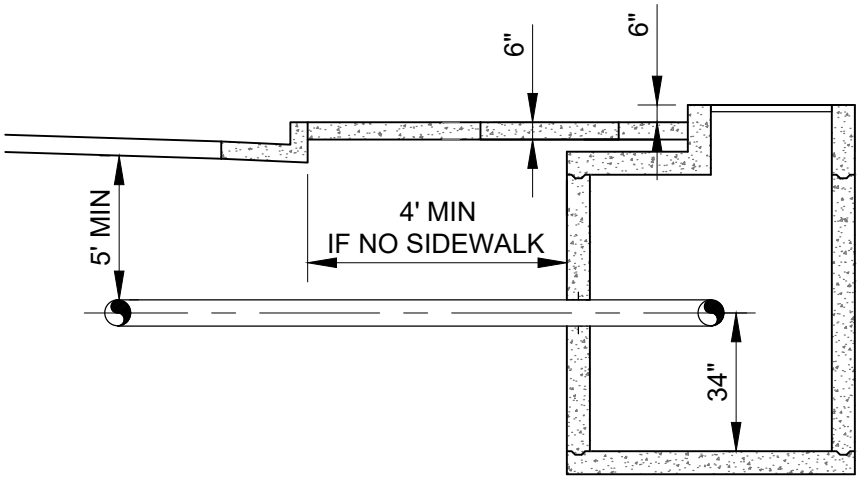
NTS

NOTES:

1. FOR GENERAL NOTES, SEE STD. PLAN 573-A, AND FOR (#) KEYED ITEMS, SEE STD. PLAN 573-C.3 AND C.4.

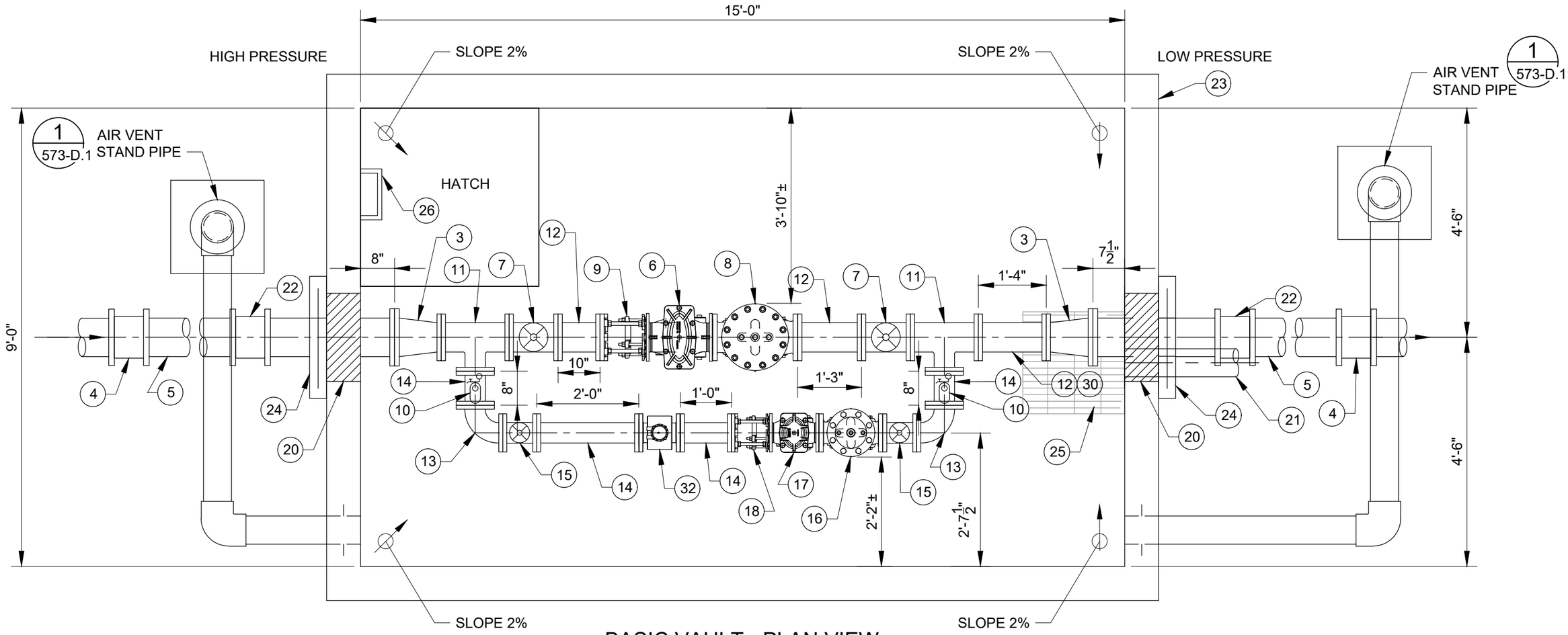
2. SITE SPECIFIC APPROVAL REQUIRED. NEW EASEMENTS WILL BE REQUIRED IF VAULT IS LOCATED OUTSIDE OF PROPERTY LINE.

PARK CITY 1884 PARK CITY MUNICIPAL CORPORATION **WATER**	DATE 03/2024 REV. 1	**PRESSURE REDUCING VALVE VAULT**	STD. PLAN **573-B.1**



VAULT SECTION A
NTS 573-B.1

PARK CITY 1884 PARK CITY MUNICIPAL CORPORATION **WATER**	DATE 03/2024 REV. 1	**PRESSURE REDUCING VALVE VAULT**	STD. PLAN **573-B.2**



BASIC VAULT - PLAN VIEW

SCALE: 1/2" = 1'-0"

1 0 2 4

SCALE IN FEET

NOTE:

1. FOR GENERAL NOTES, SEE STD. PLAN 573-A, AND FOR (#) KEYED ITEMS, SEE STANDARD PLAN 573-C.3 AND C.4.
2. SEE PROJECT SITE PLAN FOR ACTUAL LOCATION OF VENT STAND PIPES, HATCH, SUMP, AND HIGH/LOW PRESSURE SIDES.

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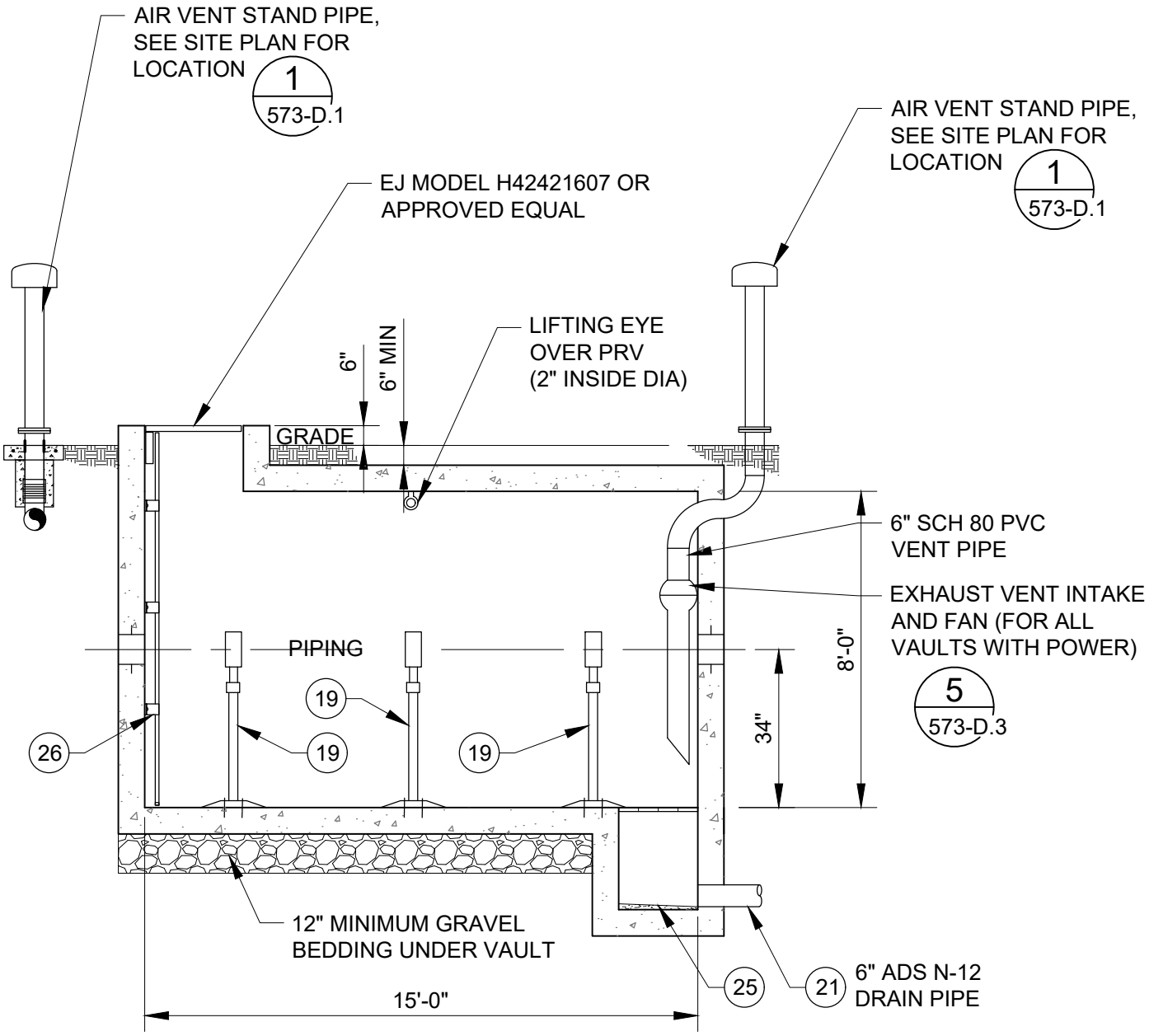
PRESSURE REDUCING VALVE VAULT

STD. PLAN
573-C.1



VAULT SECTION B
NTS
573-C.1

NOTES:
1. FOR GENERAL NOTES, SEE STD. PLAN 573-A, AND FOR (#) KEYED ITEMS, SEE STD. PLAN 573-C.3 AND C.4.

PARK CITY 1884 PARK CITY MUNICIPAL CORPORATION **WATER**	DATE 03/2024 REV. 1	**PRESSURE REDUCING VALVE VAULT**	STD. PLAN **573-C.2**

MATERIAL LIST

ITEM	PRESSURE REDUCING VALVE VAULT
1	INSTALL WATER MAIN WITH DI BENDS AS REQUIRED WITH RETAINER GLANDS AND THRUST BLOCKS
2	INSTALL RESILIENT SEAT VALVE, FL X MJ, W/ TEE AND RETAINER GLANDS AND TRUST BLOCKS ON EXISTING WATER MAIN, SEE STD PLAN 570
3	8"x6" DI REDUCER FL X FL
4	DI WATER MAIN, USE FLEXIBLE OR DUCTILE IRON MJ SLEEVES (POWERSEAL MODEL 3506 POWERMAX OR EQUAL) AS NECESSARY TO LEVEL EXISTING LINES
5	DUCTILE IRON PIPE (EXISTING PIPE SIZE)
6	6" CLA-VAL X 43 H (H STYLE STRAINER), FLANGED ENDS, 10 MESH SCREEN, CAGE SUPPORT, AND O-RING
7	6" RESILIENT WEDGE GATE VALVE, FL X FL WITH HAND WHEEL
8	6" PRESSURE REDUCING VALVE, CLA-VAL MODEL 92-01, FLANGE X FLANGE WITH MICRO-SWITCH (PRESSURE SUSTAINING VALVE IS REQUIRED UNLESS NOTED OTHERWISE) ALL BALL VALVES, WYE STRAINERS, PILOT CONTROLS, TRIM, SPEED CONTROLS AND ALL METALLIC INTERNAL COMPONENTS ARE TO BE STAINLESS STEEL. STAINLESS STEEL ANTI-CAVITATION MAY BE REQUIRED DEPENDING ON PRESSURE DIFFERENTIAL
9	6" DISMANTLING JOINT, ROMAC DJ 400, OR EQUAL
10	1" AIR VALVE AND PRESSURE TREE. SEE STD PLAN 573-D.1.
11	6"x6"x4" FL DI TEE
12	6" DI FL SPOOL
13	4" DI FL 90° BEND
14	4" DI FL SPOOL
15	4" RESILIENT WEDGE GATE VALVE, FLxFL WITH HAND WHEEL
16	4" PRESSURE REDUCING VALVE, CLA-VAL MODEL 92-01, FLANGE X FLANGE, (PRESSURE SUSTAINING VALVE IS REQUIRED UNLESS NOTED OTHERWISE) ALL BALL VALVES, WYE STRAINERS, PILOT CONTROLS, TRIM, SPEED CONTROLS AND ALL METALLIC INTERNAL COMPONENTS ARE TO BE STAINLESS STEEL. STAINLESS STEEL ANTI-CAVITATION TRIM MAY BE REQUIRED DEPENDING ON PRESSURE DIFFERENTIAL
17	4" CLA-VAL X 43H (H STYLE STRAINER), FLANGED ENDS, 10 MESH SST SCREEN, CAGE SUPPORT, AND O-RING
18	4" DISMANTLING JOINT, ROMAC DJ 400, OR EQUAL

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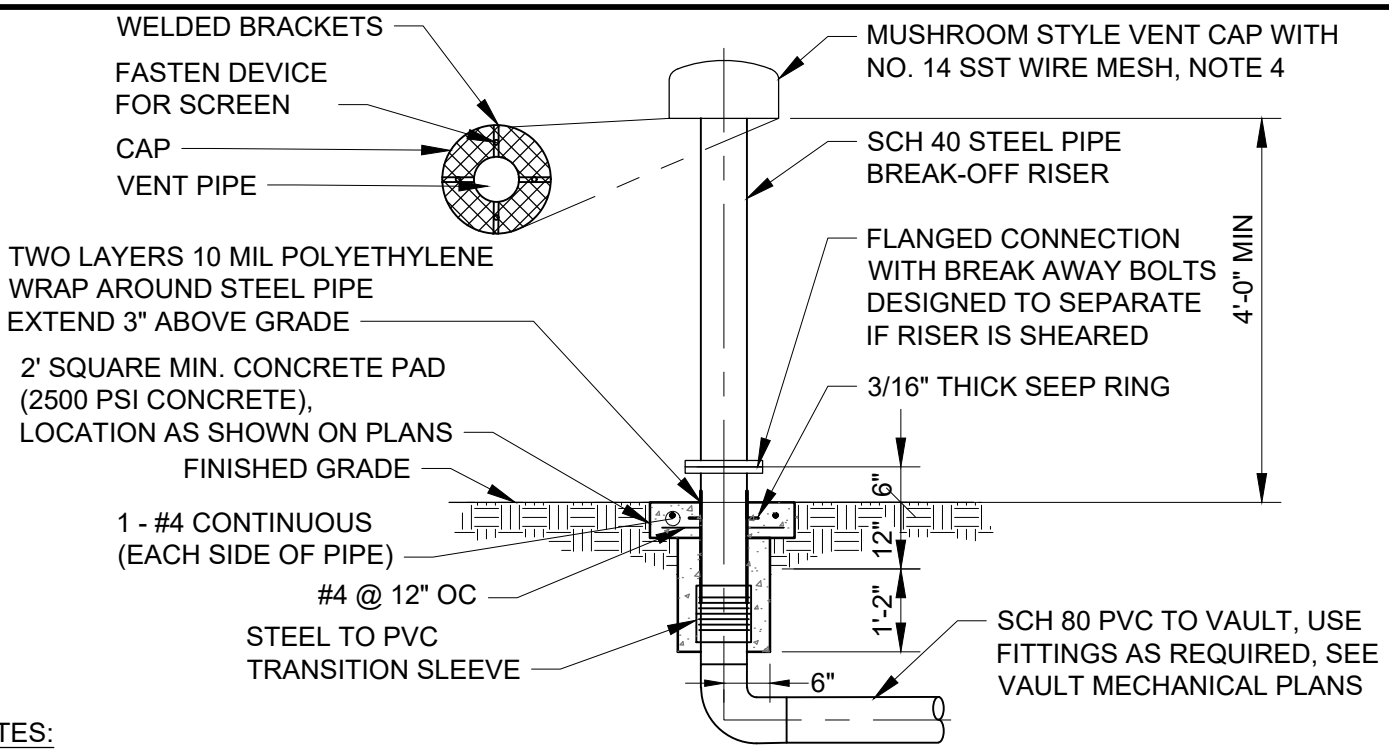
PRESSURE REDUCING VALVE VAULT

573-C.3

MATERIAL LIST (CON'T)

ITEM	PRESSURE REDUCING VALVE VAULT
19	2" STEEL PIPE SUPPORT STAND, ADJUSTABLE (3 REQUIRED ON 6" PIPE SYSTEM, 3 REQUIRED ON 4" PIPE SYSTEM), SEE STD. PLAN 578
20	CORE DRILL OPENING WITH LINK-SEAL PIPE-TO-WALL SEAL. TYPICAL ON ALL OPENING. FILL OUTSIDE OPENINGS WITH NON-SHRINK GROUT AND CAULK
21	DRAIN SUMP, PIPE TO DAYLIGHT WITH DRAIN PIPE AND #4 SST RODENT PROTECTION SCREEN ON END OF PIPE. ROUTE AS SHOWN ON SITE PLAN. IF NO PIPE-TO-DAYLIGHT OPTION IS AVAILABLE, INSTALL A SUMP PUMP. CITY APPROVAL IS REQUIRED FOR A SUMP PUMP. SEE STD. PLAN 573-D.2
22	8" MJ SOLID SLEEVE, MEGA-LUG RESTRAINTS WITH CORE-TEN BOLTS
23	VAULT IN ACCORDANCE WITH 573-A AND 573-B A. PRECAST CONCRETE VAULT RATED FOR HS-20 LOADING. MAY BE CAST IN PLACE PER CITY APPROVAL. PROVIDE STAMPED STRUCTURAL DRAWINGS B. WATERPROOF OUTSIDE WALLS AND TOP SLAB PER IBC CODE FOR BURIED FOUNDATIONS
24	MECHANICAL JOINT DUCTILE IRON RETAINER GLAND WITH CONCRETE THRUST BLOCK, REINFORCE CONCRETE WITH (4) #4 EACH SIDE OF PIPE.
25	30"x30"x30" SUMP. FRP GRATING, 1-1/2" THICK MIN. AND RATED FOR 300 LB/FT PEDESTRIAN TRAFFIC.
26	VAULT LADDER, SEE DETAIL 7 ON 573-D.4
27	3" PRESSURE RELIEF VALVE, CLA-VAL MODEL 50A-01 BKCX WITH MOUNTED LIMIT SWITCH OR MICRO SWITCH WITH SCADA CONNECT FOR "OPEN" ALARM CONDITION, SEE STD. PLAN 573-D.2
28	IN-LINE GAUGE PRESSURE TRANSMITTER, ROSEMOUNT MODEL 3051TG 800 PSI ASSEMBLED TO INTEGRAL, 2-VALVE, ROSEMOUNT 306 MANIFOLD. SEE STD. PLAN 573-D.1. 4-20 MA ANALOG
29	6"x6"x3" DI TEE FLANGE X FLANGE X FLANGE
30	6" DI PIPE. IF VAULT HAS POWER, THIS ITEM SHALL BE REPLACED WITH ITEMS 29 AND 27.
31	SUMP PUMP: 2" SUMP PUMP, TSURUMI MODEL HSZ2.4S-62 OR EQUAL. SUMP PUMP REQUIRED IF DRAIN TO DAYLIGHT NOT AVAILABLE, SEE STD. PLAN 573-D.2
32	4" SIEMENS MAGNETIC FLOW METER, 5100 W

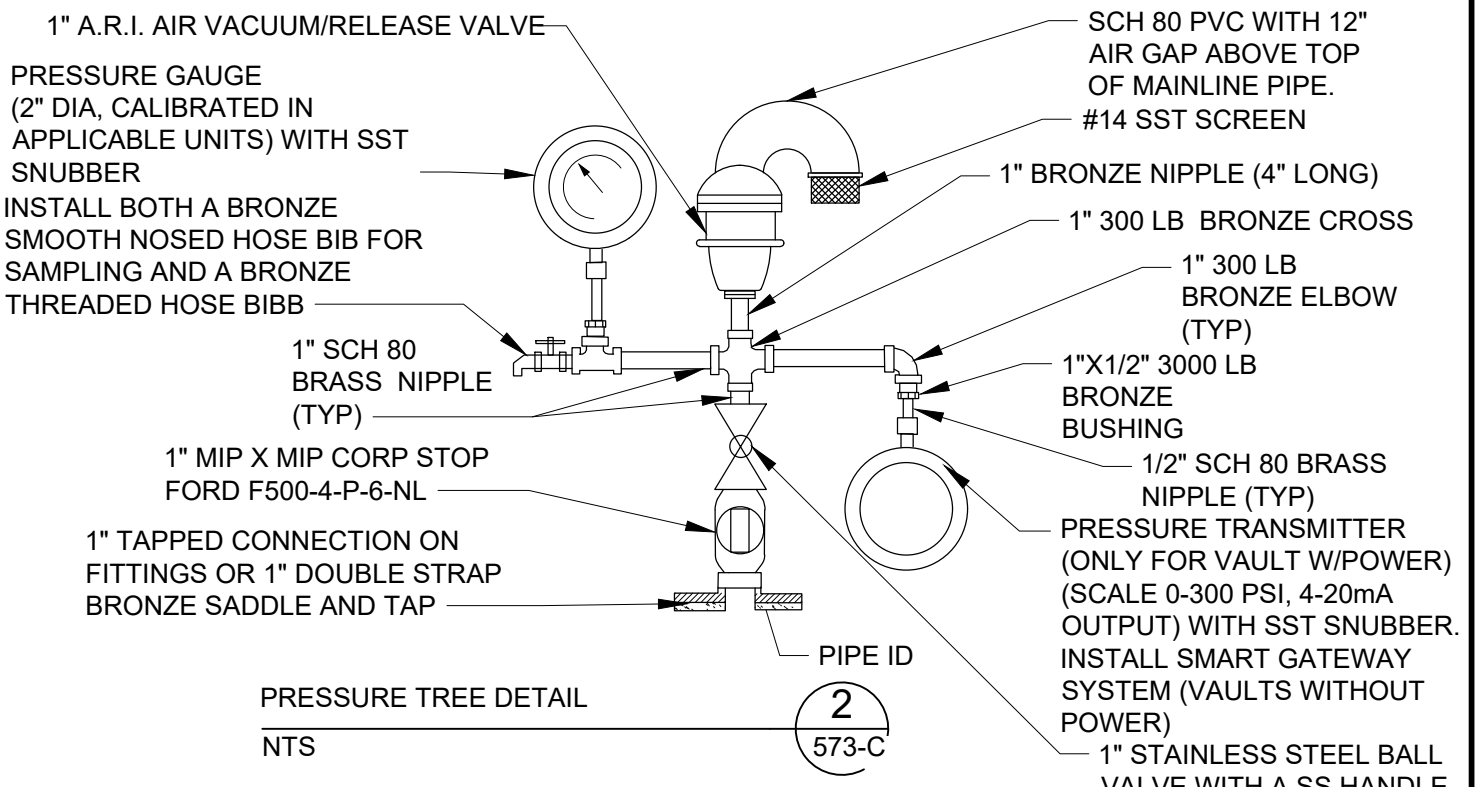


NOTES:

1. WELD ALL STEEL FITTINGS EXCEPT MATCHING BOLT ON FLANGE.
2. ALL ABOVE GRADE STEEL PIPING SHALL BE CORE-TEN BARE STEEL.
3. VENT CAP SHALL BE 12" DIA FOR 6" VENT PIPE. OTHER SIZES SHALL BE PROJECT SPECIFIC.
4. STEEL WALL PIPE WITH SEEP RING SHALL BE CAST IN VAULT FOR VENT PIPES INSTALLED ON TOP OF VAULTS.

AIR VENT STAND PIPE — 1 — 573-B, 573-C

NTS



PRESSURE TREE DETAIL — 2 — 573-C

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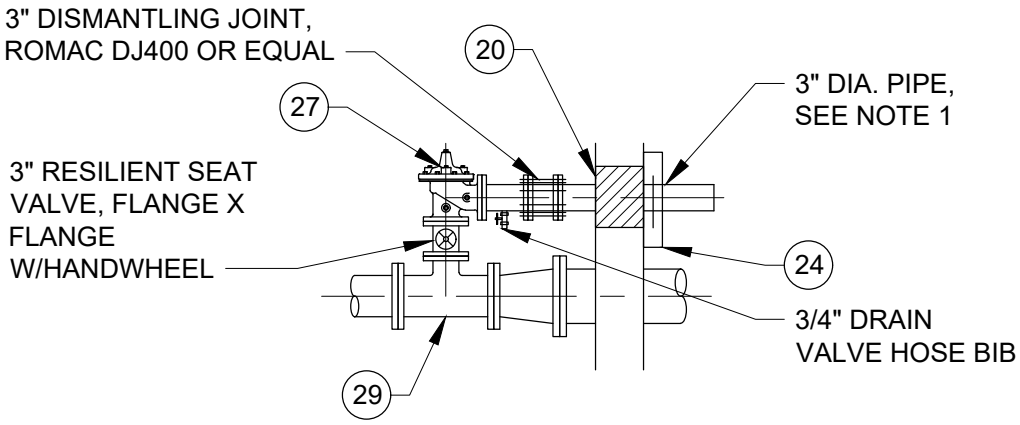
PRESSURE REDUCING VALVE VAULT

573-D.1



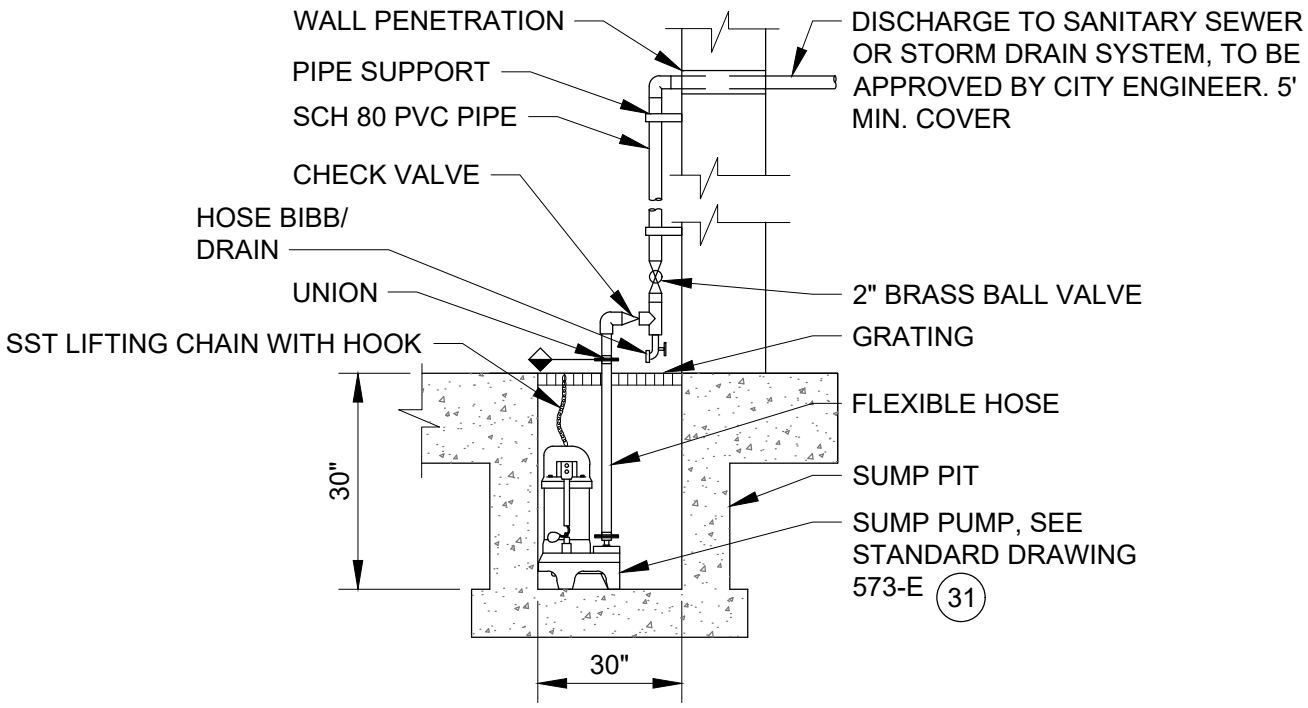
NOTES:

1. ROUTE TO NEAREST APPROVED DISCHARGE LOCATION WITH 12" AIR GAP AND #4 SST MESH SCREEN BETWEEN FLANGES AND EROSION CONTROL. ALL FITTINGS MUST BE FLANGED OR RESTRAINED. 5' MIN COVER.

2. FOR GENERAL NOTES, SEE STD. PLAN 573-A, AND FOR (#) KEYED ITEMS, SEE STD. PLAN 573-C.3 AND C.4

3" PRESSURE RELIEF VALVE DETAIL — 3 / 573-C

NTS



NOTES:

1. SUMP PUMP AND DISCHARGE PIPING SHALL NOT BE USED UNLESS SPECIFICALLY APPROVED BY THE CITY. SUMP SHALL DRAW TO DAYLIGHT UNLESS OTHERWISE APPROVED.

2. FOR GENERAL NOTES, SEE STD. PLAN 573-A, AND FOR (#) KEYED ITEMS, SEE STD. PLAN 573-C.3 AND C.4

TYPICAL SUMP SECTION DETAIL — 4 / 573-C

NTS

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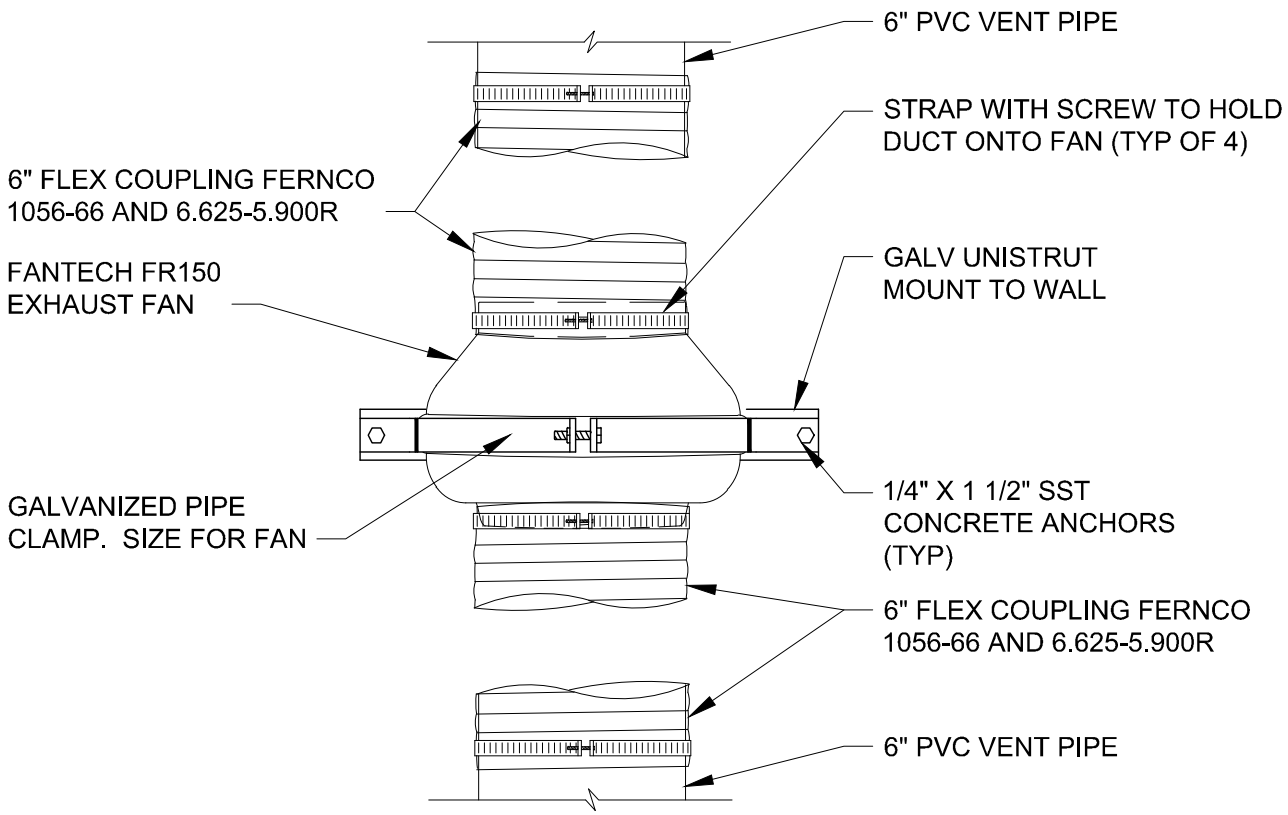
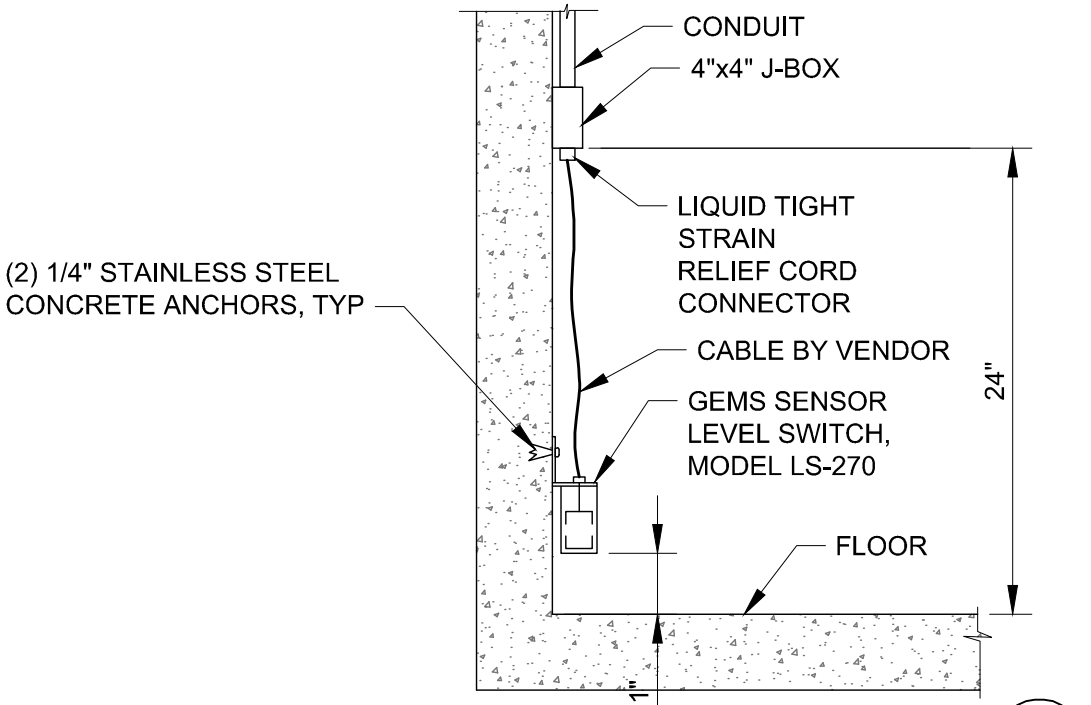


IN-LINE EXHAUST FAN DETAIL 5

NTS

573-C, 573-E



FLOOD SWITCH INSTALLATION DETAIL 6

NTS

573-E

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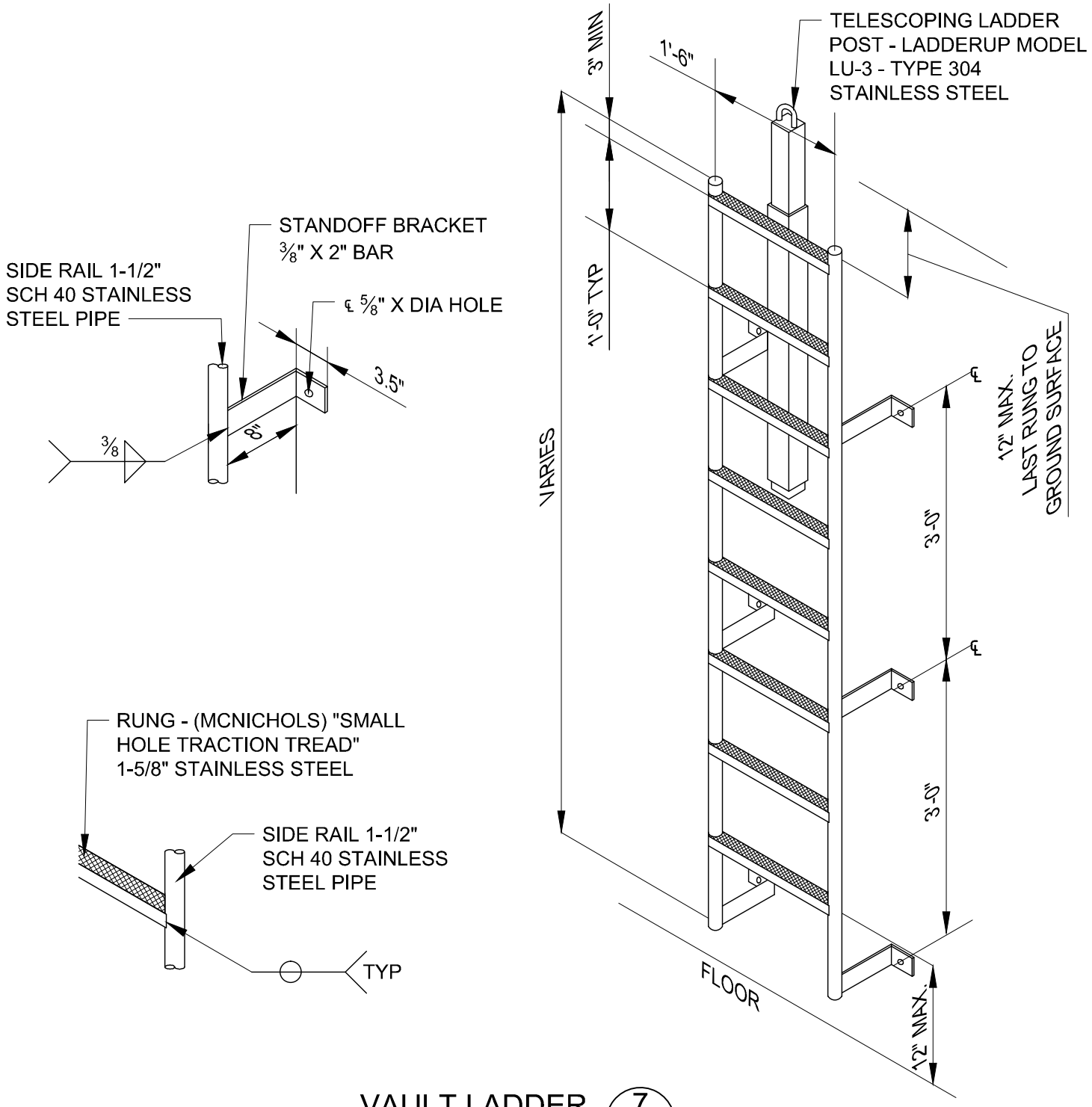
PRESSURE REDUCING VALVE VAULT

573-D.3



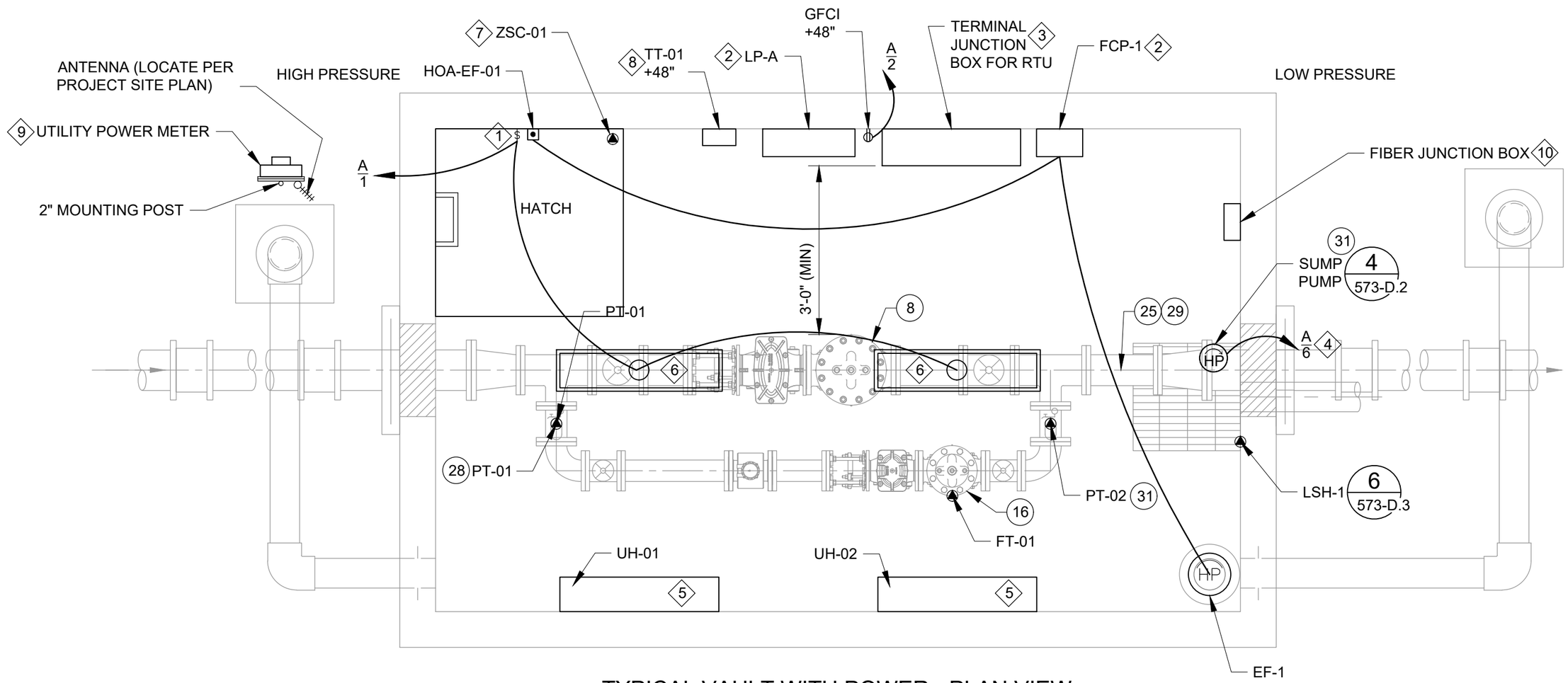
VAULT LADDER 7

NTS 573-C

NOTE:

1. LADDER, ANCHORS, AND BOLTS TO BE STAINLESS STEEL

PARK CITY 1884 PARK CITY MUNICIPAL CORPORATION **WATER**	DATE 4/2014 REV. 0	**PRESSURE REDUCING VALVE VAULT**	STD. PLAN **573-D.4**



TYPICAL VAULT WITH POWER - PLAN VIEW

SCALE: 1/2" = 1'-0"

1 0 2 4

SCALE IN FEET

NOTES:

1. SEE STD. PLAN 573-E.3 FOR ◇# KEYED ITEMS.
2. FOR GENERAL NOTES, SEE STD. PLAN 573-A, AND FOR (#) KEYED ITEMS, SEE STD. PLAN 573-C.3 AND C.4
3. SEE STD. PLAN 573-E.2 FOR PANEL SCHEDULE.
4. SEE STD. PLANS 573-E.4 AND 573-E.5 FOR ONE LINE DIAGRAMS.

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PRESSURE REDUCING VALVE VAULT

STD. PLAN

573-E.1

PANEL SCHEDULE LP-A

LOCATION: IN VAULT	MFGR: CULTER HAMMER OR EQUAL	100 AMPS	VOLTS: 120/240
DIMENSIONS: SIZE BY CONTRACTOR	TYPE: PANELBOARD	M.L.O.	PHASE: 1
MOUNTING: SURFACE	NEMA: 3R	50 M.C.B.	WIRES: 3
FEED: TOP		10000 A.I.C.	

					PHASE LOADS							
BRKR		DESCRIPTION	CONT. WATTS	N-CONT. WATTS	NO	A		B		NO	N-CONT. WATTS	CONT. WATTS	DESCRIPTION	BRKR	
A	P					CONT.	N-CONT.	CONT.	N-CONT.					A	P
20	1	LIGHTS		148	1	0	328			2	180		OUTLETS	15	1
20	1	RTU		500	3			0	1246	4	746		SUMP PUMP OUTLET	20	1
20	2	UNIT HEATER (UH-1)	1000		5	500	0	500	0	6	560		FAN CONTROL PANEL	20	1
20	2	UNIT HEATER (UH-2)	1000		7	500	0	500	0	8			SPARE	20	1
20	1	SPARE			9	0	0			10			SPARE	20	1
20	1	SPARE			11			0	0	12			SPACE		
		SPACE			13	0	0			14			SPACE		
		SPACE			15			0	0	16			SPACE		
		SPACE			17					18			SPACE		
TOTAL WATTS:			2000	648		1,000	328	1,000	1246		1,486	0			

CONTINUOUS LOAD:	2000
CONTINUOUS LOAD *125%:	2,500
NON-CONTINUOUS LOAD:	2,134
DESIGN WATTS:	4,634
MIN. RATING (AMPS):	13

PARK CITY MUNICIPAL CORPORATION
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PRESSURE REDUCING VALVE VAULT

573-E.2

PANEL NOTE:

1. INSTALL WEATHERPROOF LIGHT SWITCH AND NEMA 4X HOA CONTROL BOX IN HATCH OPENING ABOUT 8" FROM TOP OF CONCRETE.

2. MAINTAIN NATIONAL ELECTRICAL CODE REQUIRED CLEARANCE AND WORKING SPACE AROUND PANELS.

3. COORDINATE WITH PCMC FOR RTU PANEL, ANTENNA, AND CABLE REQUIREMENTS. CONTRACTOR TO FURNISH AND INSTALL RTU PANEL, ANTENNA, ANTENNA MAST, CONDUIT, CONDUCTOR, AND CABLE WITH WIRING TERMINATIONS INSIDE THE RTU PANEL. CONTRACTOR TO SIZE RTU RELATED EQUIPMENT FOR 11 I/O POINTS INCLUDING 3 SPARES. (1 FLOW METER, 2 PRESSURE TRANSDUCERS, 1 TEMPERATURE SENSOR, 1 FLOOD ALARM, 1 ENTRY SECURITY ALARM, 1 PRESSURE RELIEF OPEN ALARM, 2 SPARE DIGITAL INPUTS AND 2 SPARE ANALOG INPUTS). CONTRACTOR MUST USE PCMC'S PREFERRED VENDOR TO PROVIDE AND INSTALL A PRE-ASSEMBLED AND PRE-WIRED BACKPANEL IN THE RTU PANEL AND PROVIDE SCADA PROGRAMMING.

4. SUMP PUMP TO BE HARDWIRED TO PANEL LP-A.

5. INSTALL 4-FOOT BASEBOARD HEATER AT 2-FEET ABOVE FINISHED FLOOR OF VAULT. HEATER SHALL BE 240 V WITH 3,400 BTUH, INTEGRAL DIAL THERMOSTAT.

6. GASKETED AND ENCLOSED INDUSTRIAL FIXTURE, FIBERGLASS HOUSING, WET LOCATION TWO LAMP FLUORESCENT, 120 VOLT, INSTANT START ELECTRONIC BALLAST METALUX VT3-232DR-120V-EB81-WL-U OR EQUAL. MOUNT FIXTURE ON WALL AT ABOUT 7 FEET ABOVE FINISHED FLOOR.

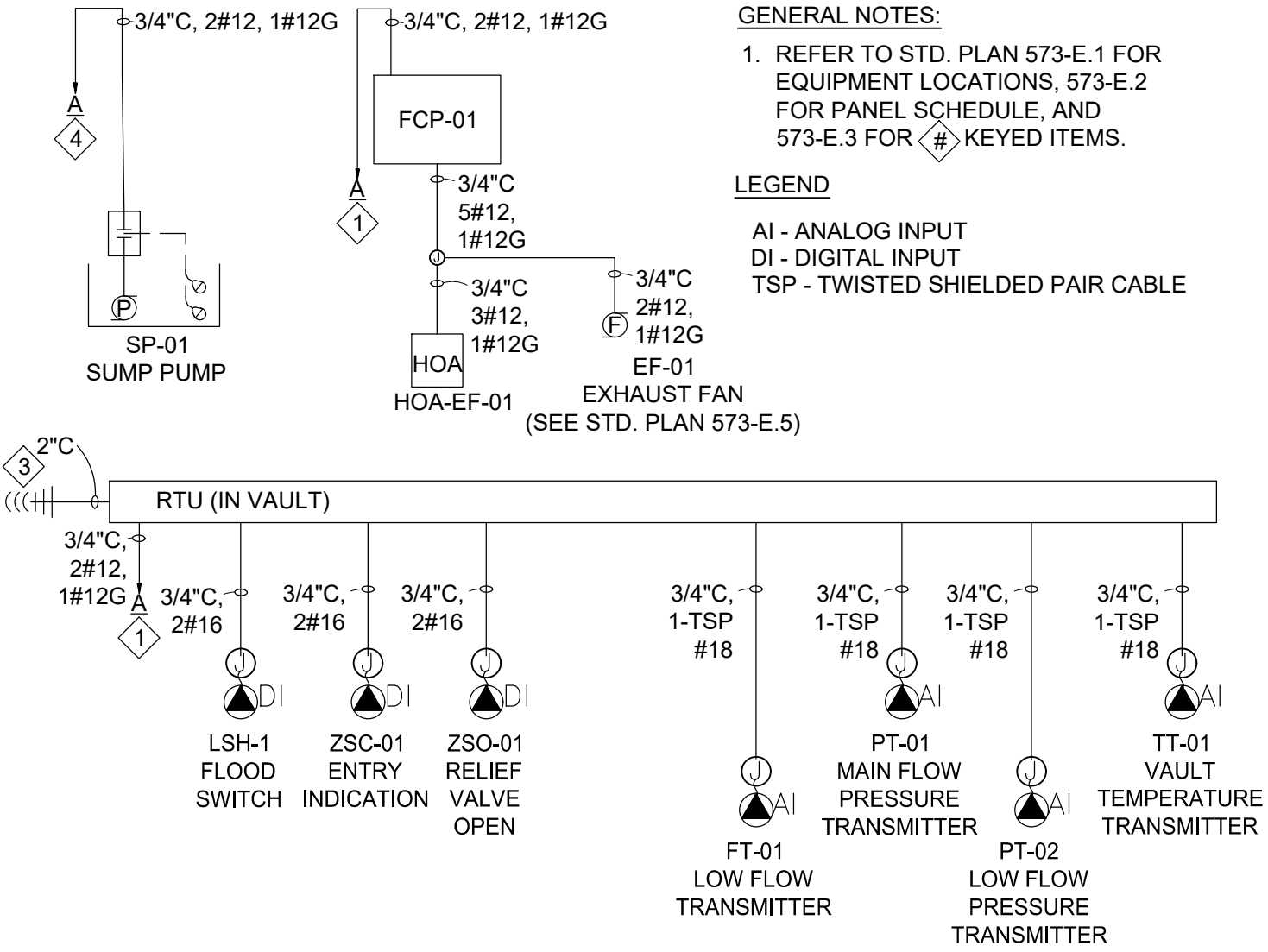
7. NEMA 4 HEAVY-DUTY LIMIT SWITCH WITH 1NO 1NC CONTACT 5A 120 VAC. SQUARE D COMPANY, CLASS 9007 OR EQUAL.

8. ROOM TEMPERATURE DISPLAY AND 4-20 mA TRANSMITTER WITH 100 OHM PLATINUM RTD. DEVAR MODEL D-RTTI-0024.

9. INSTALL UTILITY POWER METER WITH 50 AMP BREAKER ON BACK TO BACK UNISTRUT TO 2" GALVANIZED STEEL POLE ACCORDING TO UTILITY COMPANY STANDARDS.

10. IF FIBER IS AVAILABLE, INSTALL JUNCTION BOX FOR FIBER CONNECTION. COORDINATE SIZE OF BOX WITH PROVIDER.

PARK CITY 1884 PARK CITY MUNICIPAL CORPORATION **WATER**	DATE 05/2025 REV. 3	**PRESSURE REDUCING VALVE VAULT**	STD. PLAN **573-E.3**



GENERAL NOTES:

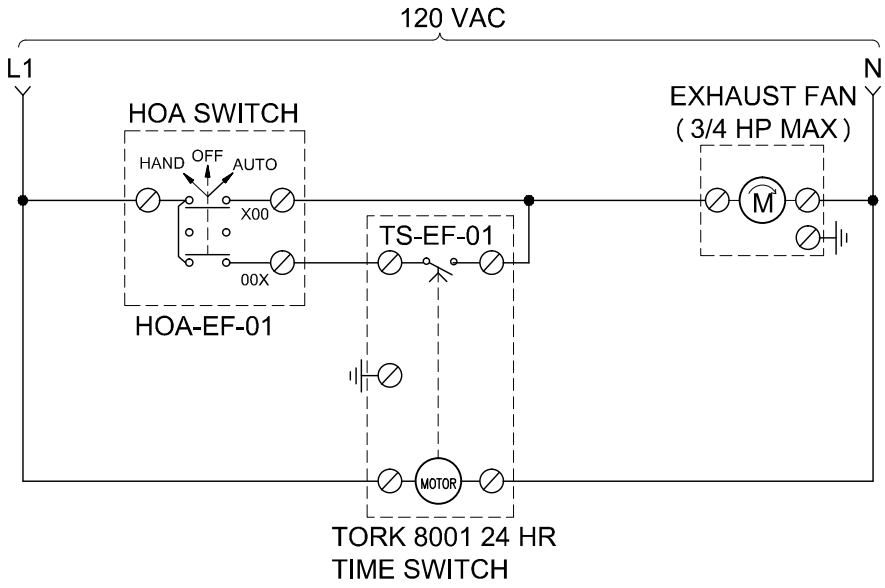
1. REFER TO STD. PLAN 573-E.1 FOR EQUIPMENT LOCATIONS, 573-E.2 FOR PANEL SCHEDULE, AND 573-E.3 FOR # KEYED ITEMS.

LEGEND

AI - ANALOG INPUT
DI - DIGITAL INPUT
TSP - TWISTED SHIELDED PAIR CABLE

CONTROL ONE-LINE DIAGRAM

PARK CITY 1884 PARK CITY MUNICIPAL CORPORATION **WATER**	DATE 03/2024 REV. 1	**PRESSURE REDUCING VALVE VAULT**	STD. PLAN **573-E.4**



TYPICAL VAULT EXHAUST FAN CONTROL SCHEMATIC

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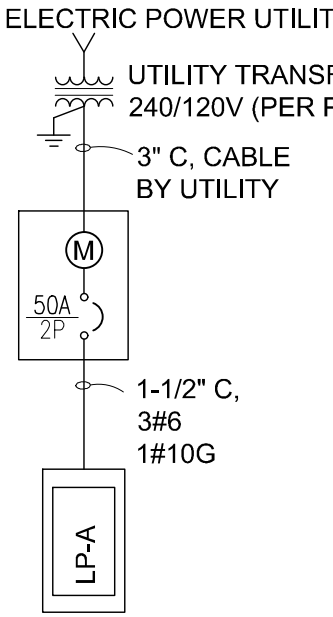


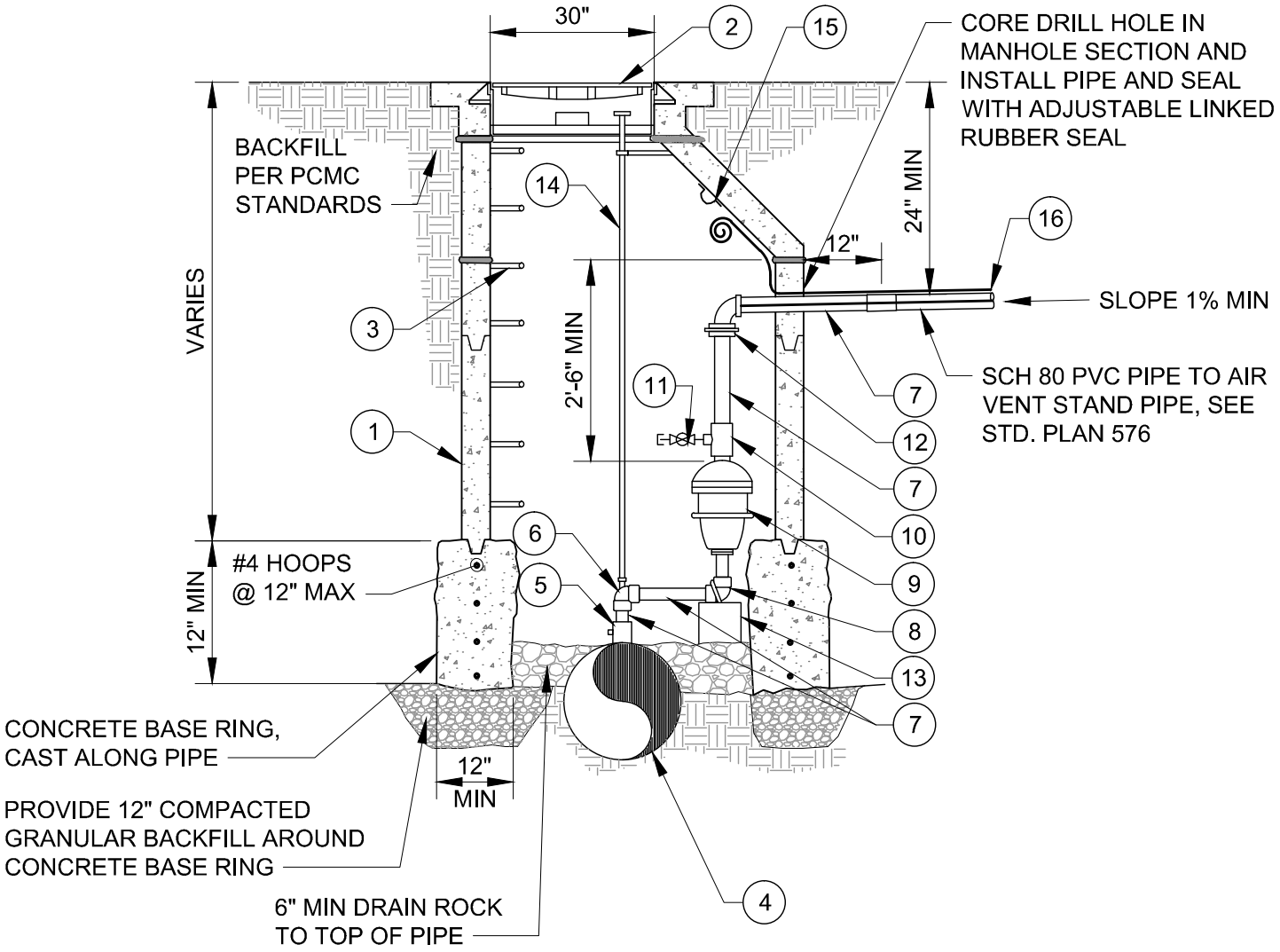
NOTE:
LARGER CONDUITS AND CONDUCTORS MAY BE REQUIRED TO MEET INDUSTRY STANDARD ACCEPTABLE VOLTAGE DROP CRITERIA.

POWER ONE-LINE

NTS

PARK CITY MUNICIPAL CORPORATION
WATER

DATE	PRESSURE REDUCING VALVE VAULT	STD. PLAN
4/2014		573-E.5
REV.		
0		



PARK CITY 1884 PARK CITY MUNICIPAL CORPORATION **WATER**	DATE 3/2014 REV. 0	**AIR RELEASE / CAV VALVE MANHOLE**	STD. PLAN **574**

LEGEND AND APPROVED PARTS LIST

ITEM	DESCRIPTION	ACCEPTABLE MANUFACTURER	MODELS
①	5' DIA. MANHOLE, PRECAST CONCRETE ECCENTRIC CONE AND WALL SECTIONS		ASTM C 478
②	MANHOLE FRAME AND COVER (STD. PLAN 529)		
③	POLYPROPYLENE ENCASED GRADE 60 STEEL STEPS AT 13" C-C, 13-1/2" TREAD WIDTH	M.A. INDUSTRIES OR APP'D EQUAL	PS2-PFDF
④	VALVE LARGER THAN 2": DUCTILE IRON FLANGED TEE WITH 4" BLIND FLANGE BRONZE AND NPT SERVICE TAP VALVE 2" AND SMALLER: BRONZE SERVICE SADDLE DI MAIN; DOUBLE STRAP PVC MAIN; TWO-PIECE BOLTED	MUELLER	DI PIPE SADDLE: BR2B SERIES, I.P. THDS; PVC PIPE SADDLE: H-13000 SERIES, I.P. THDS
		FORD	DI PIPE SADDLE: STYLE 202B I.P. THDS; PVC PIPE SADDLE: STYLE S92, I.P. THDS
⑤	BRASS CORPORATION STOP, INLET I.P. THREAD, OUTLET F.I.P. THREAD (VALVE INLET SIZE)	MUELLER	B-20046N
		FORD	FB1100-(SERVICE SIZE)-Q-NL
⑥	BRONZE ANGLE VALVE, 300 PSI (VALVE INLET DIAMETER)		
⑦	BRASS NIPPLES X LENGTH AS REQUIRED, M.I.P., (VALVE INLET DIAMETER)		
⑧	BRASS 90^0 ELBOW, F.I.P. (VALVE INLET/OUTLET DIAMETER)		
⑨	COMBINATION AIR VACUUM / RELEASE VALVE, NPT, SIZE PER ENGINEER DESIGN AND APPROVED PLANS		
⑩	BRONZE TEE, F.I.P., THREADED, (VALVE OUTLET DIAMETER X 3/4" DIA.)		
⑪	DRAIN ASSEMBLY: 3/4" DIA. BRASS CLOSE NIPPLE, M.I.P.; 3/4" BRONZE BALL VALVE; 3/4" BRONZE PLUG	MUELLER	SERIES 300 VALVE; H-10035
⑫	BRONZE UNION, (VALVE OUTLET DIAMETER)		
⑬	CAV ASSEMBLY SUPPORT, (1) 16"X8"X8" CMU BLOCK		
⑭	5/8" DIAMETER GALVANIZED STEEL ROD WITH 3" DIAMETER HAND WHEEL TO FORM EXTENSION, TOGETHER WITH A GALVANIZED EYELET STANDOFF		
⑮	LIFTING EYE ABOVE AIR VALVE, GALVANIZED		
⑯	TRACER WIRE: 12 GA. SOLID, BLUE PVC INSULATION; WIRE-WIRE CONNECTORS SILICONE-FILLED WIRE NUTS	IDEAL INDUSTRIES	TWISTER DB PLUS OR APP'D EQUAL

DETAIL NOTES

1. ALL VALVES AND FITTINGS SHALL BE RATED FOR THE SAME WORKING AND TEST PRESSURES AS THE CONNECTED WATERLINE
2. LOCATE VALVE, VAULT, AND AIR VENT PER APPROVED PLANS AND SET VAULT PLUMB
3. REFER TO STD. PLAN 575 FOR HEAT TRACE REQUIREMENTS

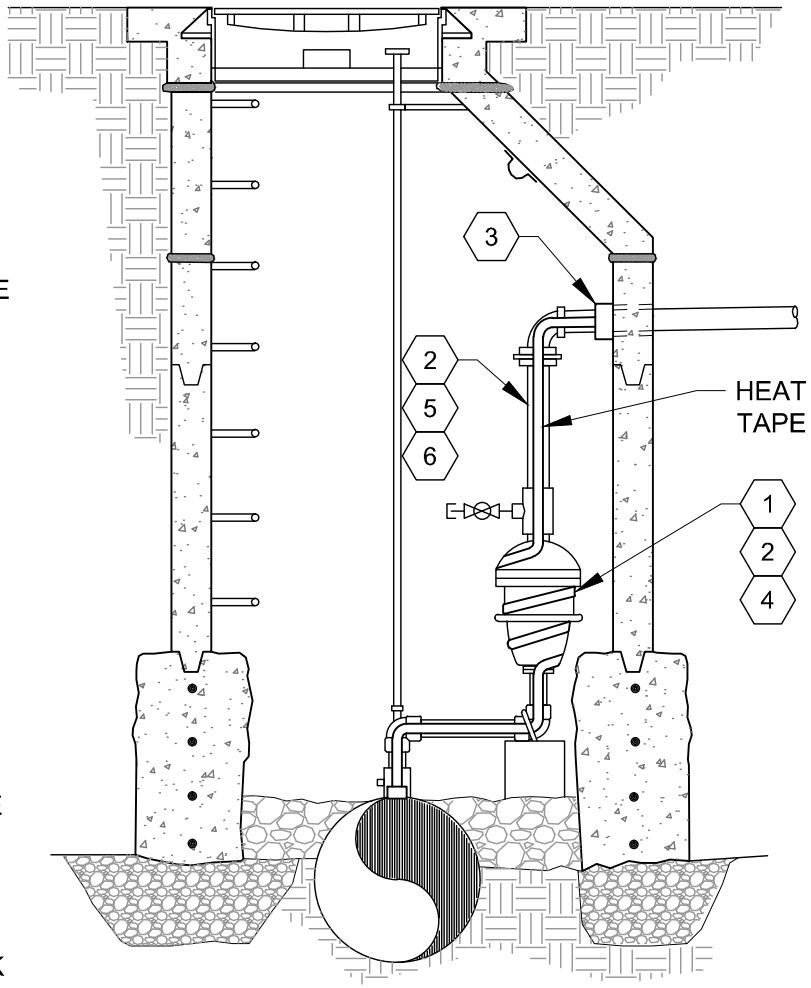
PARK CITY 1884

PARK CITY MUNICIPAL CORPORATION
WATER

DATE	AIR RELEASE / CAV VALVE MANHOLE	STD. PLAN
10/2020		574 S
REV.		
1		

KEY NOTES:

1. WRAP HEAT TAPE AROUND THE AIR/VAC VALVE. USE MANUFACTURER'S RECOMMENDATIONS FOR THE NUMBER OF WRAPS.
2. SECURE THE HEATING CABLE IN PLACE WITH CHROMALOX FT-3 FIBERGLASS TAPE.
3. END KIT WITH INDICATING LIGHT.
4. INSULATE THE ISOLATION VALVE AND THE COMBINATION AIR VACUUM RELEASE VALVE WITH A REMOVABLE AND REUSABLE INSULATING BLANKET. ENERGY-WRAP INSULATION SYSTEM AS MANUFACTURED BY THERMAL ENERGY PRODUCTS.
5. INSTALL CHROMALOX AT-1 ALUMINUM TAPE NEXT TO PVC PIPE BEFORE INSTALLING HEAT TAPE AND THEN THE HEAT TAPE WILL CONTINUE FROM THE AIR/VAC VALVE AND LAY ALONG THE ALUMINUM TAPE.
6. INSULATE THE PIPE WITH 2 INCH THICK FIBERGLASS PIPE INSULATION.



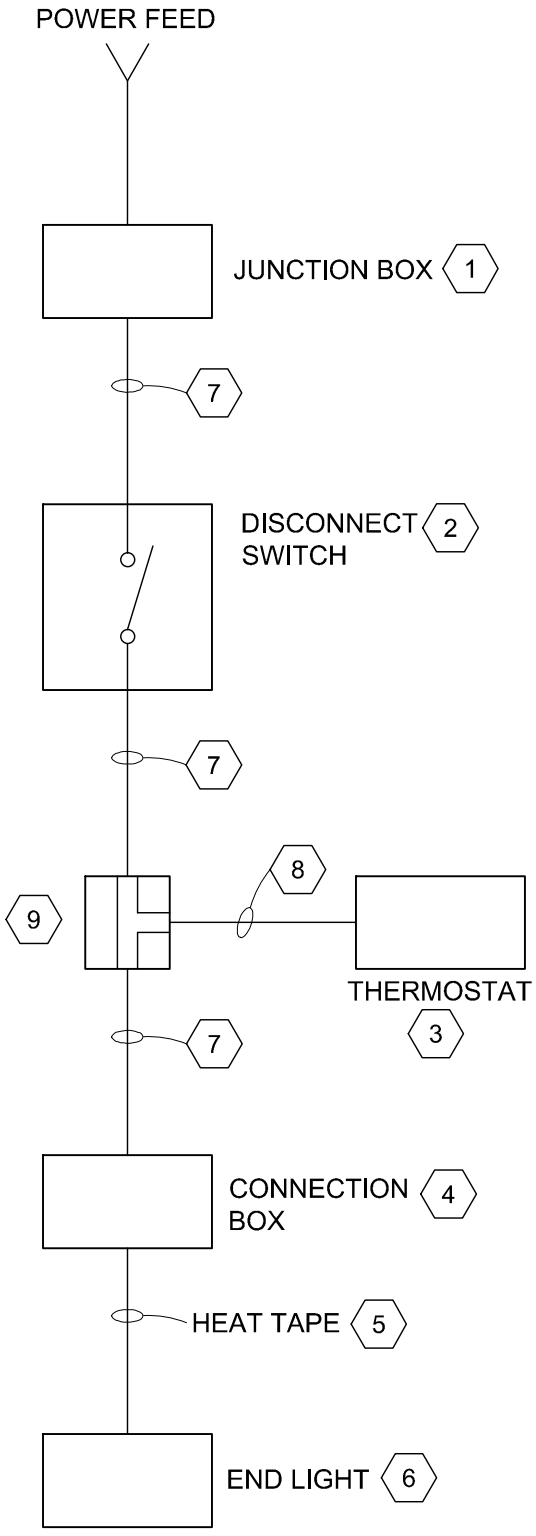
NOTES:

1. INSTALL HEAT TAPE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
2. REFER TO STD. PLAN 575-B FOR POWER ONE-LINE DETAIL.
3. SEE AIR RELEASE / CAV VALVE MANHOLE, STD. PLAN 574

PARK CITY 1884 PARK CITY MUNICIPAL CORPORATION **WATER**	DATE 3/2014 REV. 0	**HEAT TAPE INSTALLATION FOR AIR RELEASE / CAV VALVE**	STD. PLAN **575-A**

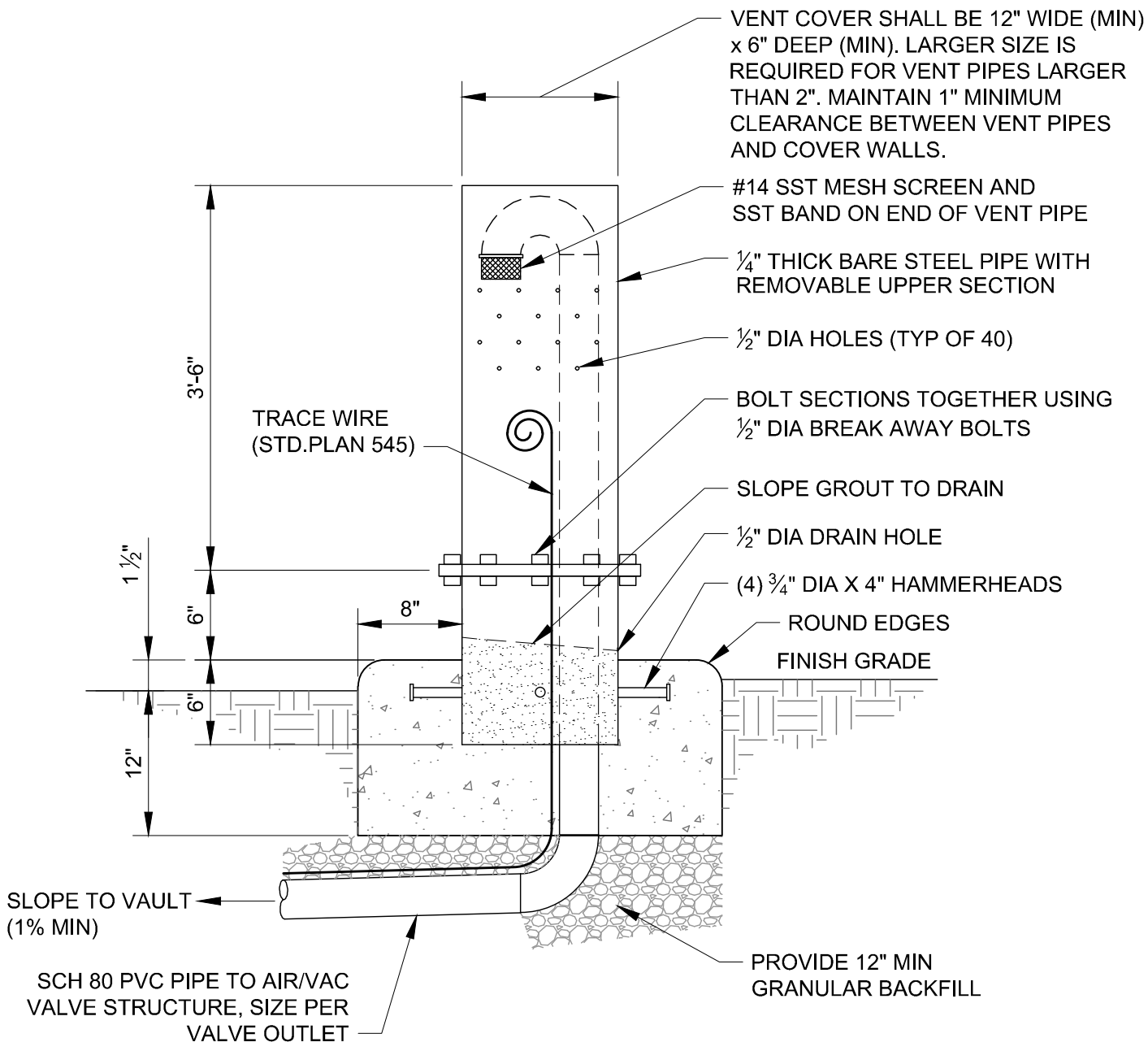
KEY NOTES:

1. TYPE 4X NONMETALLIC J-BOX FOR WIRE CONNECTIONS AS NEEDED.
2. CROUSE HINDS FS BOX, WITH 20 AMP SINGLE POLE SWITCH, AND A CROUSE HINDS P/N DS185 COVER.
3. CHROMALOX NON INDICATING TEMPERATURE CONTROL, 0 TO 150 DEGREES F, P/N PIT-15.
4. CHROMALOX PIPE MOUNTED POWER CONNECTION BOX NEMA 4X, P/N RTPC.
5. HEAT TAPE 120 VOLT, 5 WATTS PER FOOT, SELF-REGULATING, TINNED COPPER BRAID, WITH A FLUOROPOLYMER OVERJACKET. CONNECT GROUNDING CONDUCTOR TO COPPER BRAID. CHROMALOX P/N SRL 5-1CT HEATING CABLE.
6. END KIT WITH INDICATING LIGHT 120 VOLT, CHROMALOX P/N RTPC-SL1.
7. 3/4" RIGID CONDUIT GALVANIZED WITH TWO #12 CONDUCTORS AND ONE #12 GROUND.
8. 1/2" RIGID CONDUIT GALVANIZED WITH TWO #12 CONDUCTORS AND ONE #12 GROUND.
9. 3/4" RIGID T CONDUIT GALVANIZED BODY WITH ONE REDUCER FOR 1/2" CONDUIT.



HEAT TRACE POWER ONE-LINE DETAIL

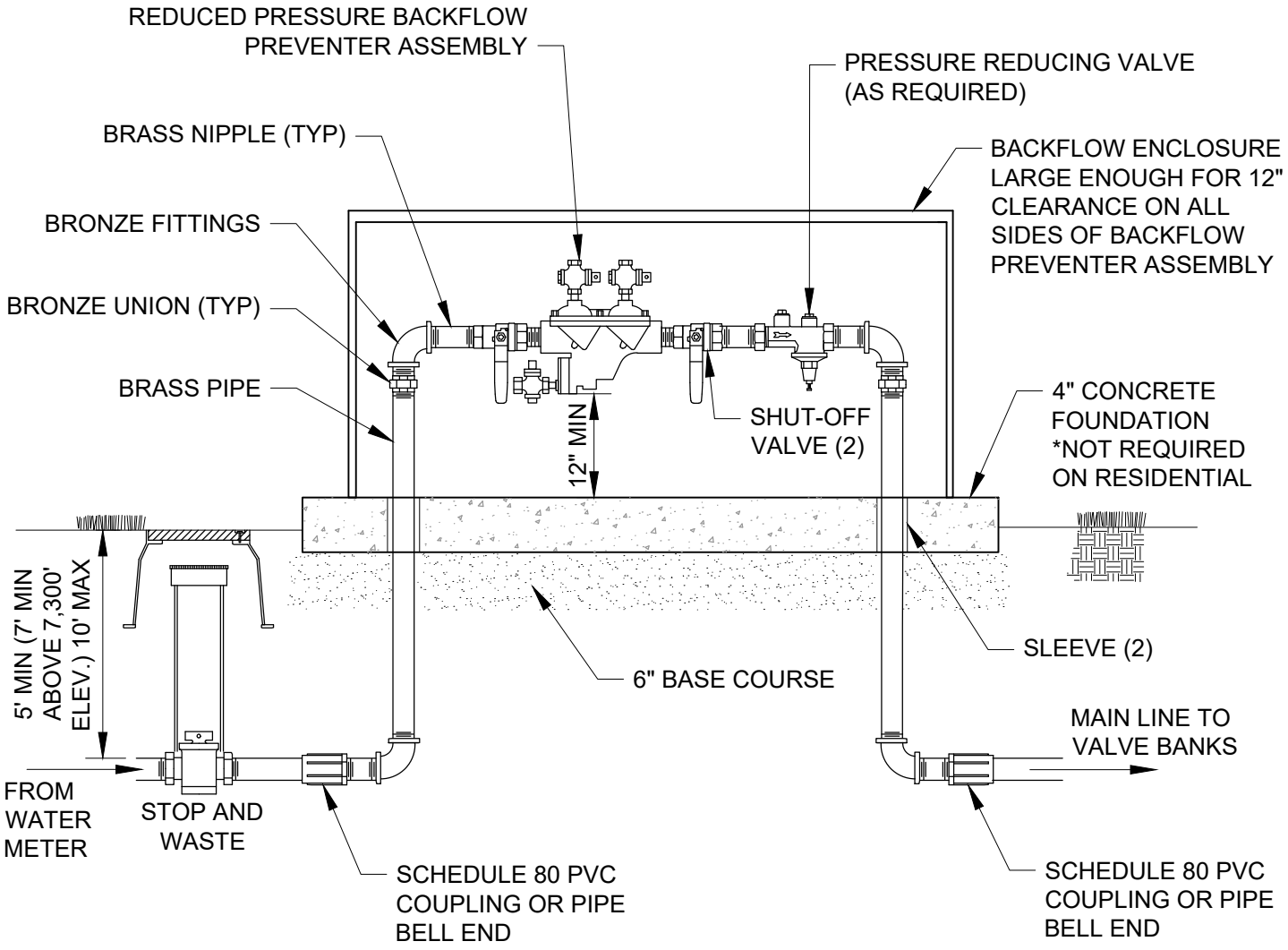
PARK CITY 1884 PARK CITY MUNICIPAL CORPORATION **WATER**	DATE 3/2014 REV. 0	**HEAT TAPE INSTALLATION FOR AIR RELEASE / CAV VALVE**	STD. PLAN **575-B**



NOTES:

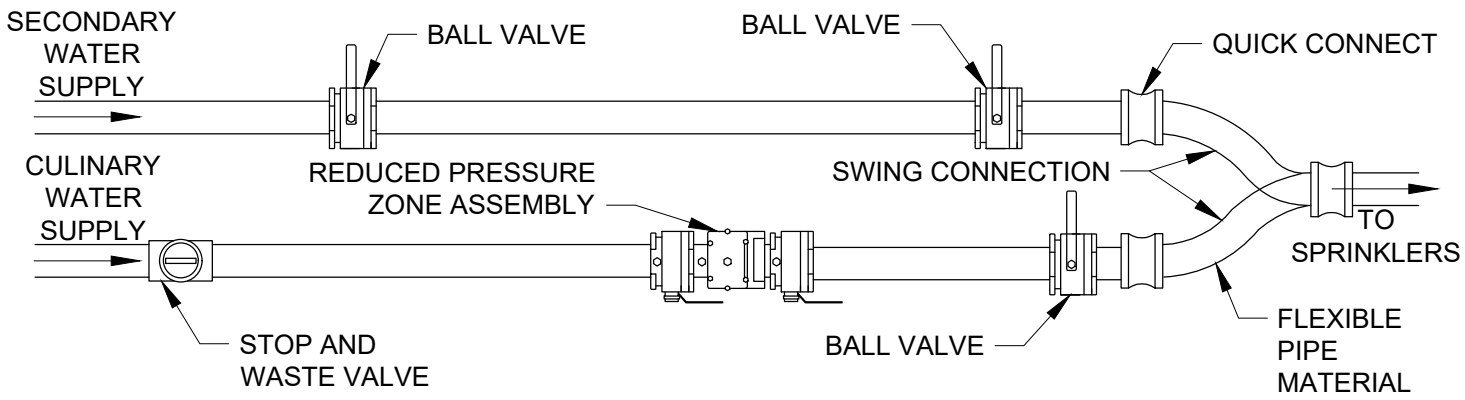
1. LOCATE VENT AS SHOWN ON APPROVED PLANS, 1'-6" MINIMUM BEHIND TOP BACK OF CURB / GUTTER OR SIDEWALK.

PARK CITY 1884 PARK CITY MUNICIPAL CORPORATION **WATER**	DATE 3/2014 REV. 0	**AIR VENT STAND PIPE**	STD. PLAN **576**

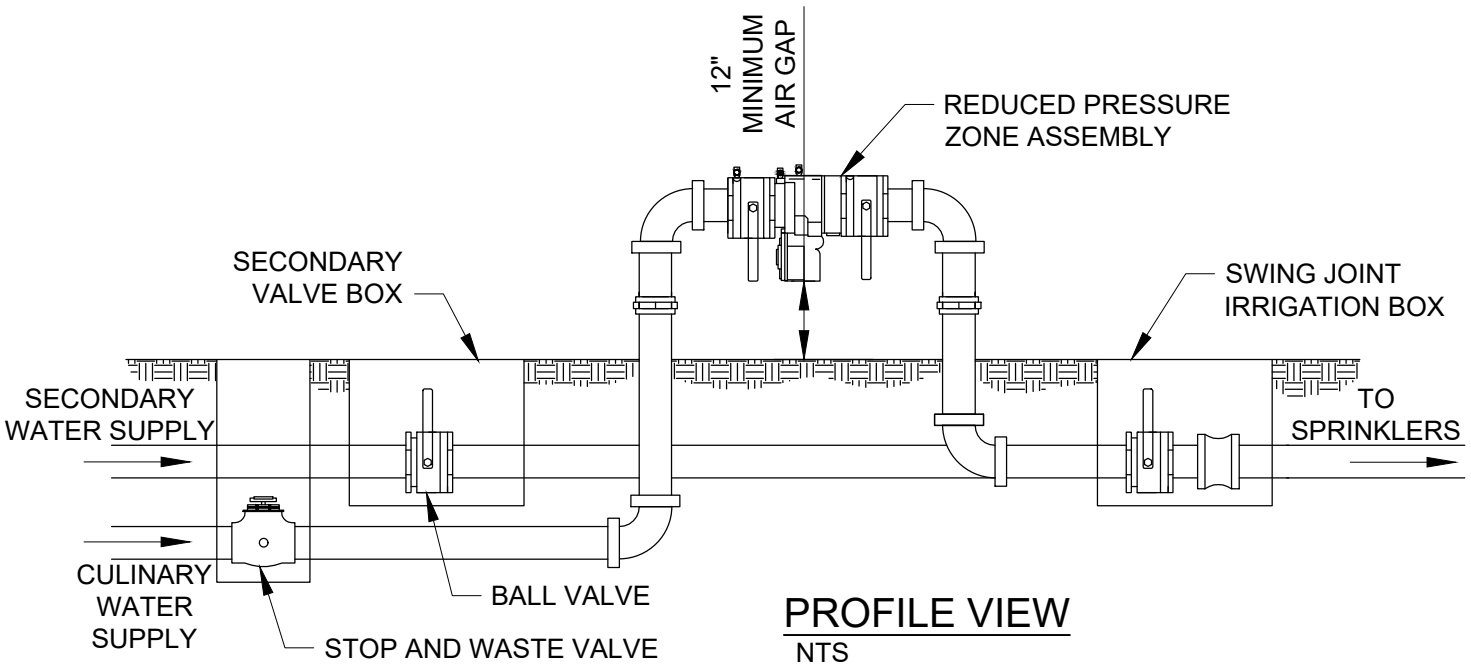


LESS THAN 3" DIAMETER

PARK CITY 1884 PARK CITY MUNICIPAL CORPORATION **WATER**	DATE 03/2024 REV. 2	**CULINARY WATER - IRRIGATION BACKFLOW PREVENTER**	STD. PLAN **577-A**



PLAN VIEW
NTS

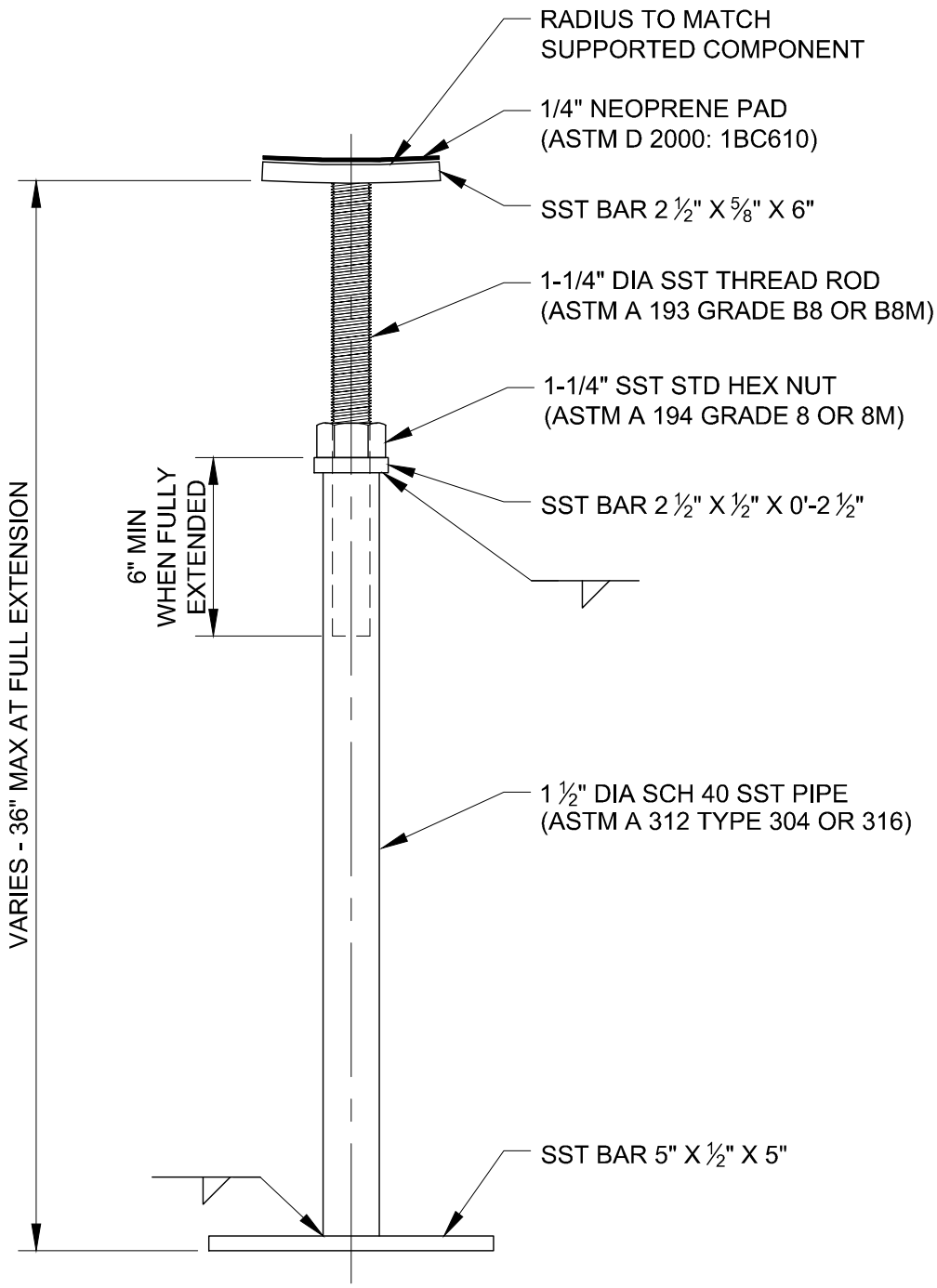


PROFILE VIEW
NTS

NOTES:

1. THE SWING CONNECTION IS INSTALLED SO THAT EITHER THE SECONDARY IRRIGATION WATER OR THE CULINARY WATER IS CONNECTED AND FEEDING THE SPRINKLER SYSTEM AT THE ONE TIME.
2. THE REDUCED PRESSURE ZONE ASSEMBLY MUST BE LOCATED AT A MINIMUM OF 12" FROM WALL, FENCE OR OTHER OBSTACLE.
3. THE REDUCED PRESSURE ZONE ASSEMBLY MUST BE LOCATED AT A MINIMUM OF 12" ABOVE GRADE (NOT ALLOWED IN A PIT BELOW GRADE).
4. THE REDUCED PRESSURE ZONE ASSEMBLY MUST BE INSPECTED BY A CERTIFIED BACKFLOW TECHNICIAN ON AN ANNUAL BASIS. CONSISTENT WITH PARK CITY MUNICIPAL CODE 13-1-29, BACKFLOW PREVENTER SHALL BE TESTED UPON INITIAL INSTALLATION AND EVERY 12 MONTHS THEREAFTER. PROOF OF TESTING/INSPECTION MUST BE PROVIDED TO PARK CITY EACH TIME. FAILURE TO PROVIDE PROOF OF TESTING MAY LEAD TO WATER SHUT-OFF TO PROTECT THE DRINKING WATER SYSTEM FROM POTENTIAL CONTAMINATION.

PARK CITY 1884 PARK CITY MUNICIPAL CORPORATION **WATER**	DATE 03/2024 REV. 0	**CULINARY & SECONDARY WATER - IRRIGATION SWING CHECK CONNECTION**	STD. PLAN **577-B**



NOTES:

1. BAR MATERIAL TO BE ASTM A 240 TYPE 304 OR 316 (Fy= 30 KSI MIN.)

PARK CITY 1884 PARK CITY MUNICIPAL CORPORATION **WATER**	DATE 3/2014 REV. 0	**PIPE SUPPORT**	STD. PLAN **578**