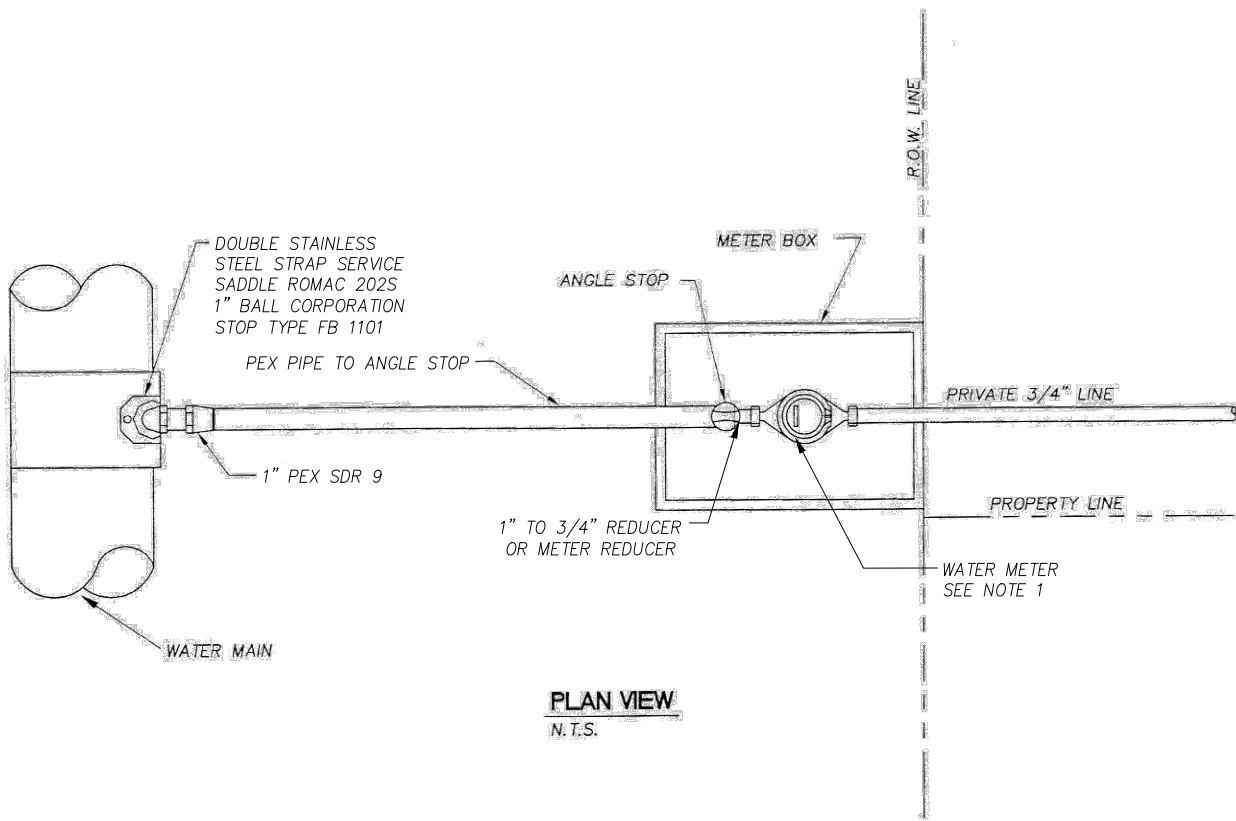


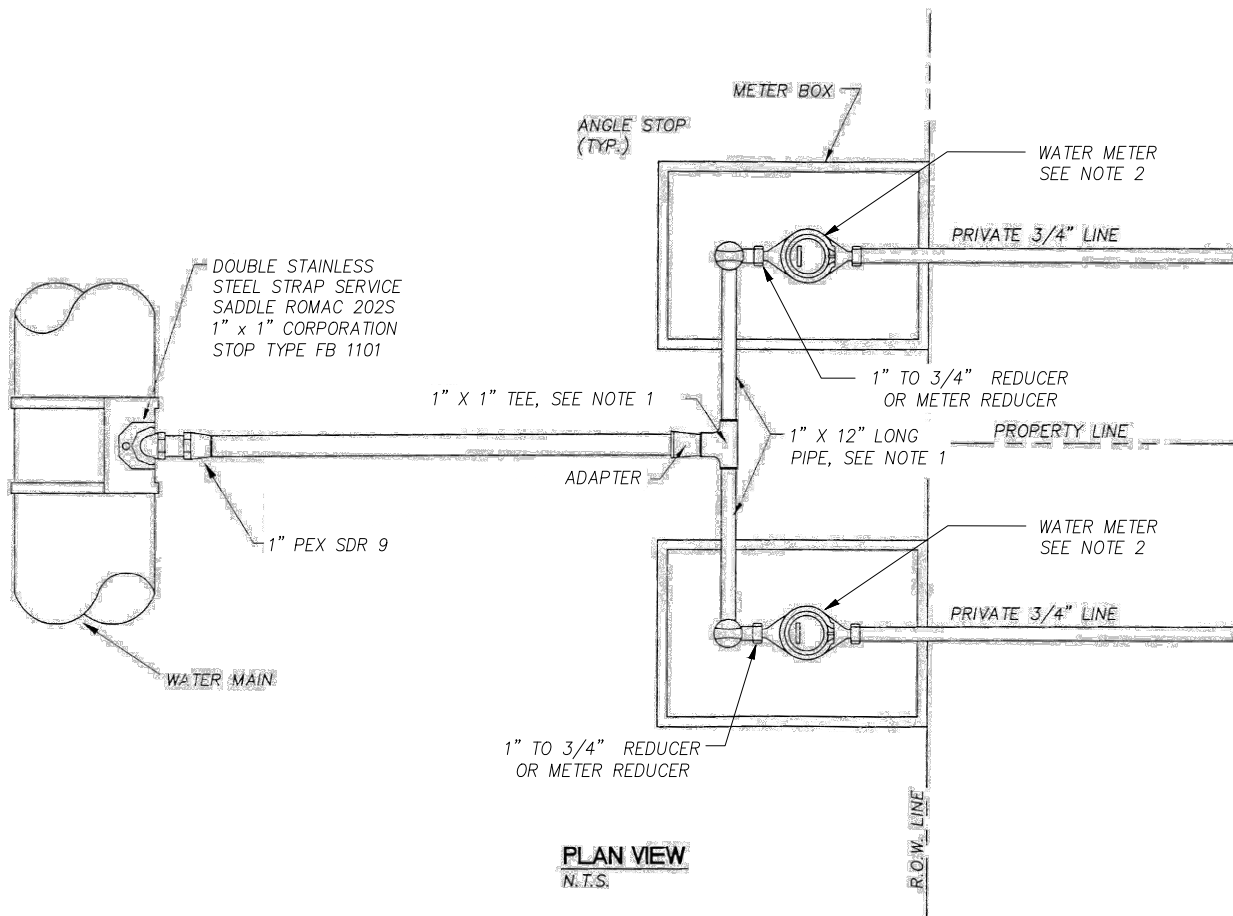


SHEET 1 OF 3

NOTES:

1. WATER METER TO BE PROVIDED BY THE CITY.
2. METER BOX SHALL BE MSBCF1118-12XL AS MANUFACTURED BY CARSON INDUSTRIES. LID SHALL BE DUCTILE IRON CARSON INDUSTRIES MSCBC-1118-R.
3. PEX PIPING SHALL BE MUNICIPEX SDR9.

CITY OF CASTLE ROCK			
STANDARD SINGLE SERVICE			
APPROVED:  BY CITY			DWG. NO. CR001W
DATE: 06/20			DATE: 07-20-20
DRWN: WJM			CHKD: T.E.G.
SCALE: NONE			

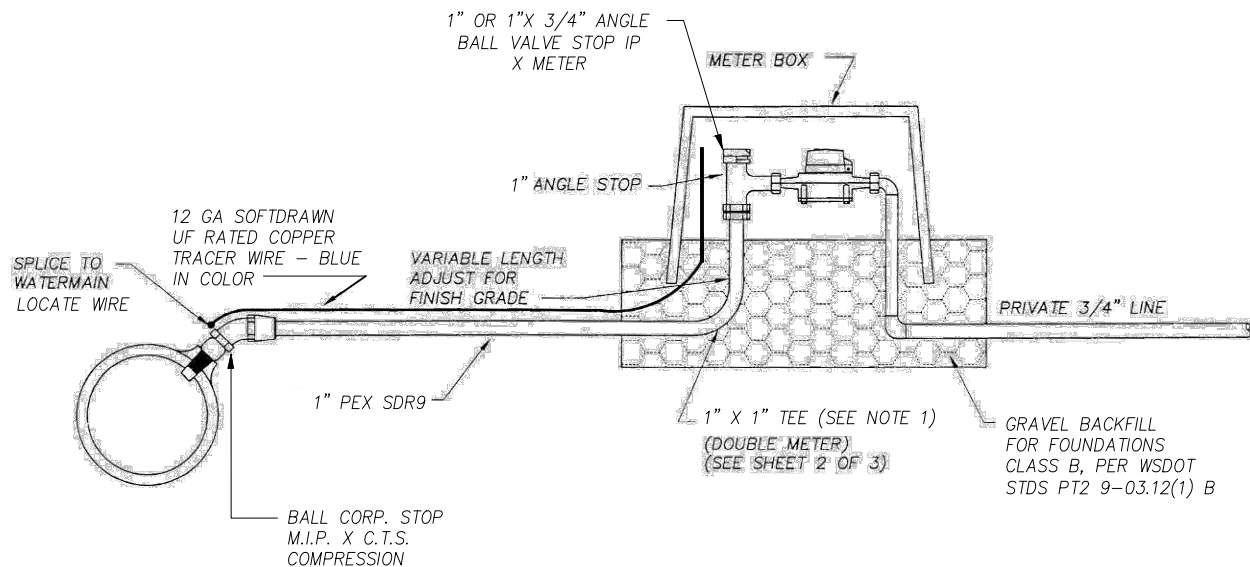


SHEET 2 OF 3

NOTES:

1. PIPE FITTINGS SHALL BE BRASS OR COPPER MATERIAL, LEAD FREE.
2. WATER METER SHALL BE PROVIDED BY THE CITY.
3. PEX PIPE SHALL BE MUNICIPEX SDR9.

CITY OF CASTLE ROCK			
STANDARD DOUBLE SERVICE			
APPROVED: 			DWG. NO. CR002W
BY CITY			DATE
DATE: 06/20	DRWN: WJM	CHKD: T.E.G.	SCALE: NONE



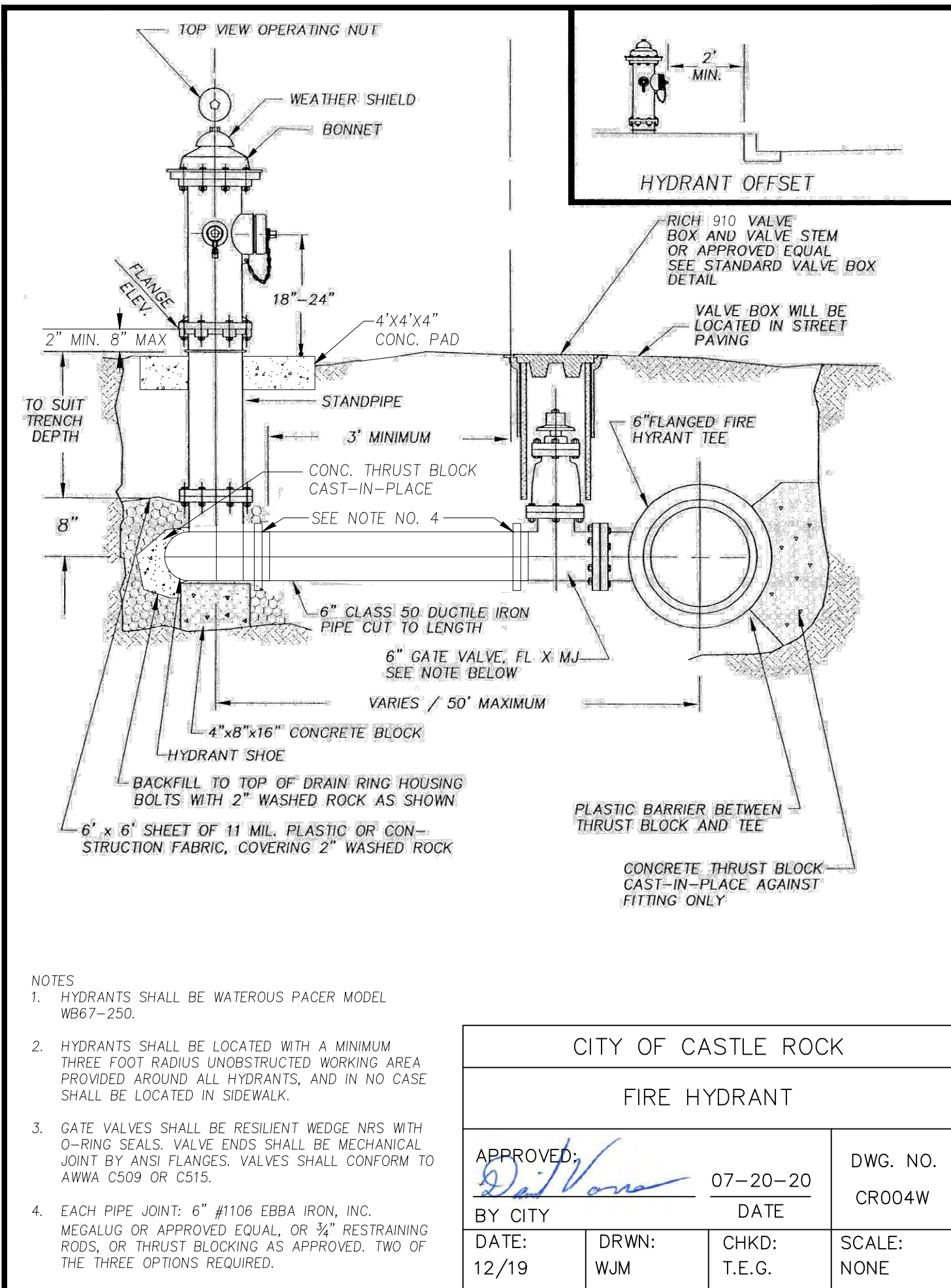
ELEVATION VIEW
N.T.S.

SHEET 3 OF 3

NOTES:

1. PIPE FITTINGS SHALL BE BRASS OR COPPER MATERIAL, LEAD FREE.
2. PEX PIPE SHALL BE MUNICIPEX SDR9.

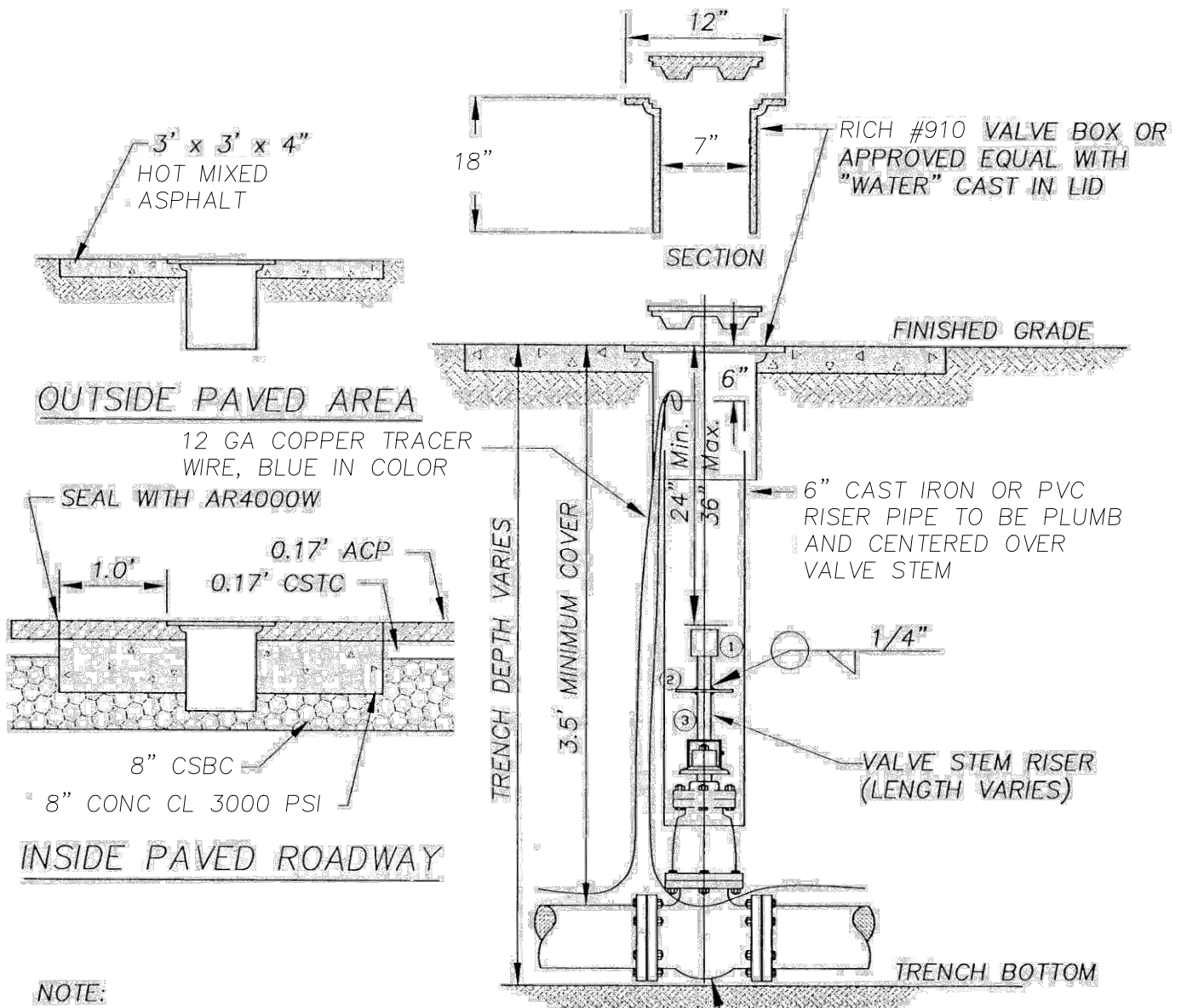
CITY OF CASTLE ROCK			
SERVICE (ELEVATION VIEW)			
APPROVED: 			DWG. NO. CR003W
BY CITY			DATE
DATE: 06/20	DRWN: WJM	CHKD: T.E.G.	SCALE: NONE



NOTES

- HYDRANTS SHALL BE WATEROUS PACER MODEL WB67-250.
- HYDRANTS SHALL BE LOCATED WITH A MINIMUM THREE FOOT RADIUS UNOBSTRUCTED WORKING AREA PROVIDED AROUND ALL HYDRANTS, AND IN NO CASE SHALL BE LOCATED IN SIDEWALK.
- GATE VALVES SHALL BE RESILIENT WEDGE NRS WITH O-RING SEALS. VALVE ENDS SHALL BE MECHANICAL JOINT BY ANSI FLANGES. VALVES SHALL CONFORM TO AWWA C509 OR C515.
- EACH PIPE JOINT: 6" #1106 EBBA IRON, INC. MEGALUG OR APPROVED EQUAL, OR 3/4" RESTRAINING RODS, OR THRUST BLOCKING AS APPROVED. TWO OF THE THREE OPTIONS REQUIRED.

CITY OF CASTLE ROCK			
FIRE HYDRANT			
APPROVED:  BY CITY			DWG. NO. CR004W
DATE			
DATE: 12/19	DRWN: WJM	CHKD: T.E.G.	SCALE: NONE



NOTE:

ALL VALVES MUST HAVE 12 GAUGE COATED COPPER TRACER WIRE, UF RATED, TIED OFF AT VALVE BODY. EXTENDED OUTSIDE CI RISER PIPE THEN EXTENDED ONE FOOT ABOVE THE TOP OF VALVE BOX

VALVE STEM EXTENSION LEGEND

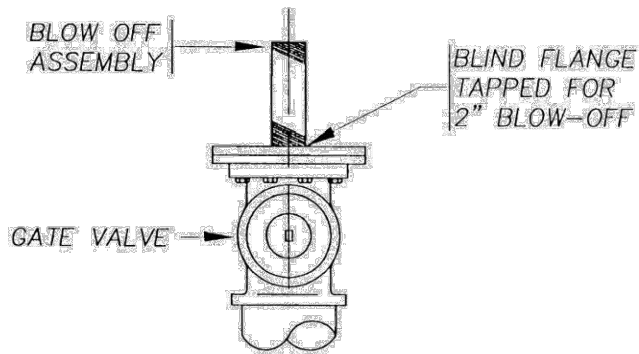
- ① VALVE OPERATING NUT OR 1 7/8" X 1 7/8" X 2" HIGH GRADE STEEL WELDED TO GUIDE PLATE.
- ② 3/16" Thk X 5 1/2" DIA STEEL GUIDE PLATE WELDED TO RISER SHAFT.
- ③ 2"X2"X 3/16" SQUARE STRUCTURAL STEEL TUBING TO FIT OPERATING NUT. LENGTH AS REQUIRED.

NOTE:

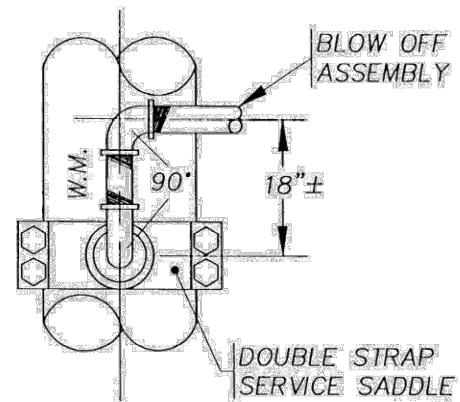
WELD ALL AROUND, AS SPECIFIED ABOVE

CITY OF CASTLE ROCK			
STANDARD VALVE BOX			
APPROVED:  BY CITY			DWG. NO. CR005W
DATE: 07-20-20			
DATE			
DATE: 06/20	DRWN: KAR	CHKD: T.E.G.	SCALE: NONE

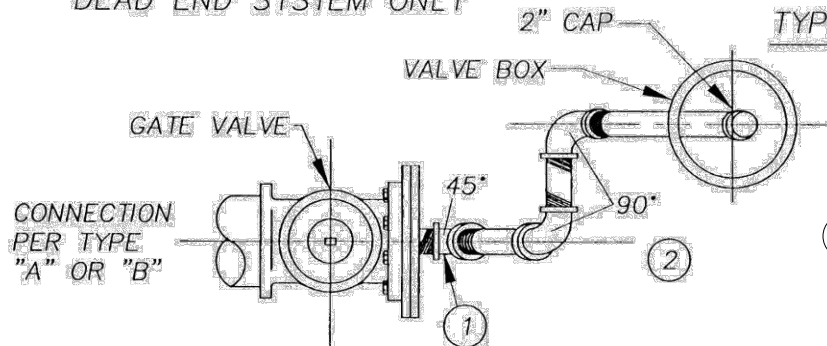
CITY OF CASTLE ROCK			
SERVICE PRESSURE REDUCING VALVE			
APPROVED: 		07-20-20	DWG. NO. CR006W
BY CITY		DATE	
DATE: 06/20	DRWN: KAR	CHKD: T.E.G.	SCALE: NONE



TYPE "A" (END CAP)
DEAD END SYSTEM ONLY



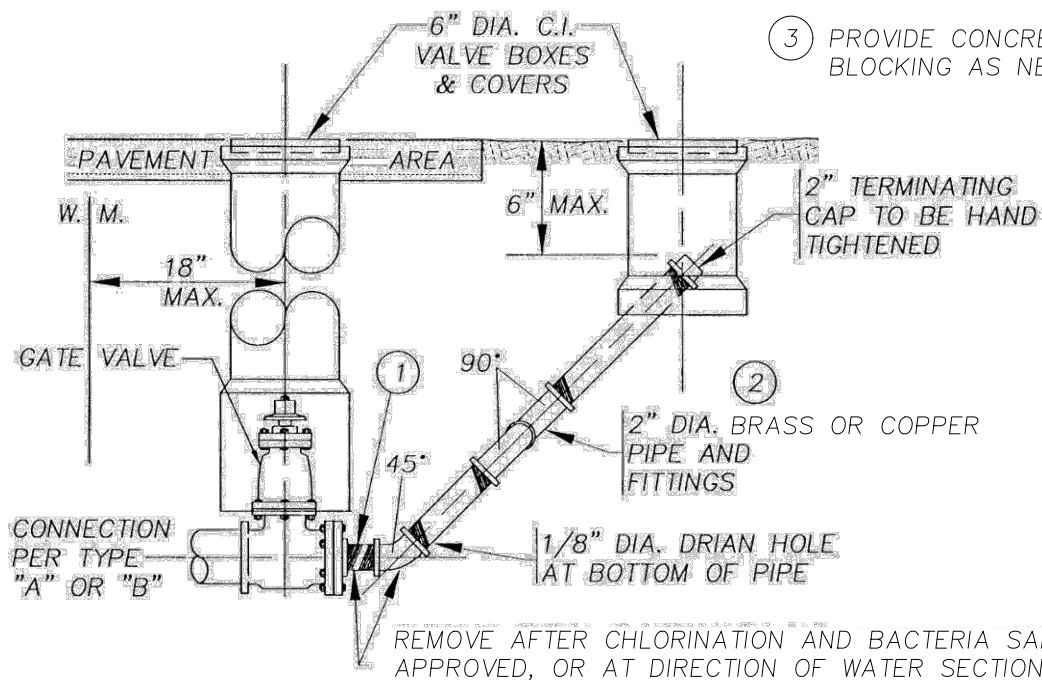
TYPE "B" (TOP/IN-LINE)



PLAN VIEW

NOTES:

- ① LENGTH OF PIPE AS DIRECTED TO EXTEND BLOW-OFF TERMINUS BEYOND EDGE OF PAVEMENT
- ② ALL PIPE & FITTING TO BE BRASS OR COPPER
- ③ PROVIDE CONCRETE THRUST BLOCKING AS NEEDED



REMOVE AFTER CHLORINATION AND BACTERIA SAMPLE APPROVED, OR AT DIRECTION OF WATER SECTION

CITY OF CASTLE ROCK

2" TEMPORARY BLOW-OFF ASSEMBLY
TYPE "A" AND "B"

APPROVED:

Dei Vora

07-20-20

BY CITY

DATE

DWG. NO.

CR007W

DATE:

12/19

DRWN:

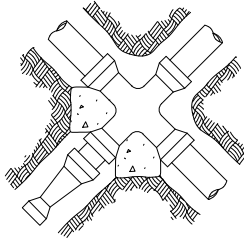
KAR

CHKD:

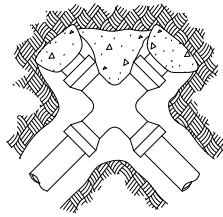
T.E.G.

SCALE:

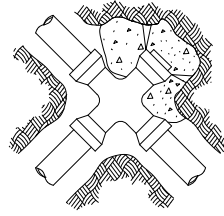
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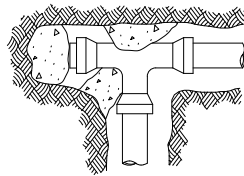
(USE COLUMN A)



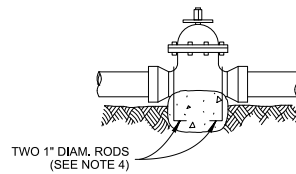
(USE COLUMN B)



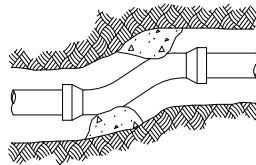
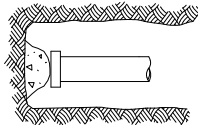
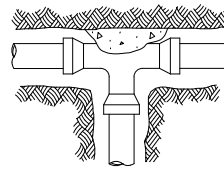
(USE COLUMN A)



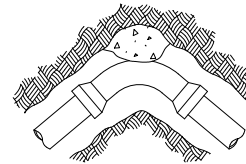
(USE COLUMN B)



(USE COLUMN A)



(USE COLUMNS B ~ E)



1. Contractor to provide blocking adequate to withstand full test pressure.
2. Divide thrust by safe bearing load to determine required area (in square feet) of concrete to distribute load.
3. Areas to be adjusted for other pressure conditions.
4. Provide two 1" minimum diameter rods on valves up through 10" diameter. Valves larger than 10" require special tie rod design.

SIZE	TEST PRESSURE (PSI)	A	B	C	D	E
		TEE AND DEAD ENDS	90° BEND	45° BEND	22.5° BEND	11.25° BEND
4"	250	3,140	4,440	2,405	1,225	615
6"	250	7,070	9,995	5,410	2,760	1,385
8"	250	12,565	17,770	9,620	4,905	2,465
10"	250	19,635	27,770	15,030	7,660	3,850
12"	250	28,275	39,985	21,640	11,030	5,545
14"	250	38,485	54,425	29,455	15,015	7,545
16"	250	50,265	71,085	38,470	19,615	9,855

	(PSF)
MUCK, PEAT, ETC.	0
SOFT CLAY	1,000
SAND	2,000
SAND AND GRAVEL	3,000
SAND AND GRAVEL CEMENTED WITH CLAY	4,000
HARD SHALE	10,000

CITY OF CASTLE ROCK

THRUST BLOCKING DETAILS

APPROVED:

David Vora

07-20-20

BY CITY

DATE

DATE:

12/19

DRWN:

WJM

CHKD:

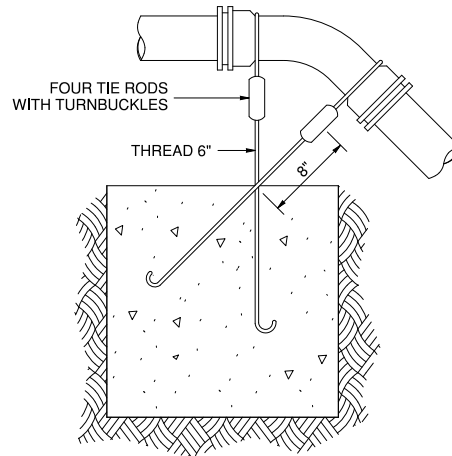
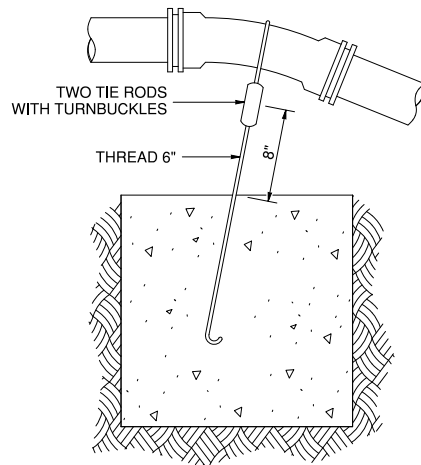
T.E.G.

DWG. NO.

CR008AW

SCALE:

NONE



PIPE DIAM.	TEST PRESSURE (PSI)	BEND ANGLE	CONCRETE VOLUME (F ³)	CUBE SIZE (FT)	TIE ROD DIAM.	TIE ROD EMBEDMENT
4"	250	11.25°	6	1.8	5/8"	17"
		22.5°	12	2.3		
		45°	22	2.8		
6"	250	11.25°	14	2.4	5/8"	17"
		22.5°	27	3.0		
		45°	50	3.7		
8"	250	11.25°	25	2.9	5/8"	17"
		22.5°	48	3.6		
		45°	89	4.5		
10"	250	11.25°	38	3.4	5/8"	17"
		22.5°	75	4.2		
		45°	139	5.2		
12"	250	11.25°	55	3.8	5/8"	17"
		22.5°	108	4.8		
		45°	200	5.8	7/8"	24"
14"	250	11.25°	75	4.2	5/8"	17"
		22.5°	147	5.3	3/4"	20"
		45°	272	6.5	1"	27"
16"	250	11.25°	98	4.6	5/8"	17"
		22.5°	192	5.8	7/8"	24"
		45°	355	7.1	1 1/8"	30"

CITY OF CASTLE ROCK

THRUST BLOCKING DETAILS

APPROVED:

Dan Vora

07-20-20

DWG. NO.

CR008BW

BY CITY

DATE

DATE:

12/19

DRWN:

WJM

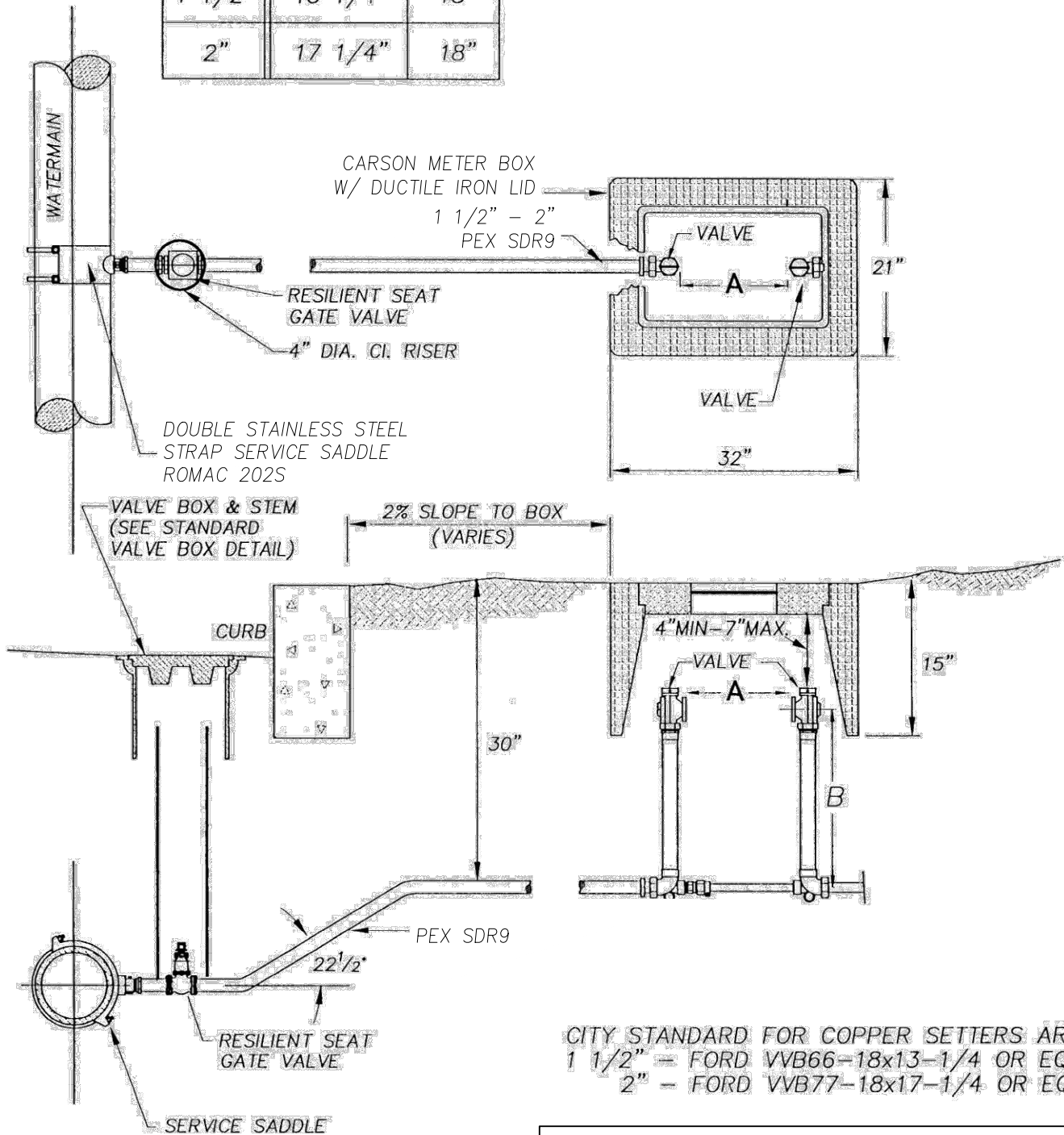
CHKD:

T.E.G.

SCALE:

NONE

SIZE	A	B
1 1/2"	13 1/4"	18"
2"	17 1/4"	18"



CITY STANDARD FOR COPPER SETTERS ARE:
 1 1/2" - FORD VVB66-18x13-1/4 OR EQUAL
 2" - FORD VVB77-18x17-1/4 OR EQUAL

NOTES:

- ALL SERVICE SADDLES SHALL HAVE RUBBER GASKET AND I.P. THREADS.
- PEX PIPING SHALL BE MUNICIPEX SDR9.

CITY OF CASTLE ROCK

1 1/2" AND 2" STANDARD
 SETTER WITHOUT BYPASS

APPROVED:

[Signature]

07-20-20

BY CITY

DATE

DWG. NO.

CR009W

DATE:

06/20

DRWN:

WJM

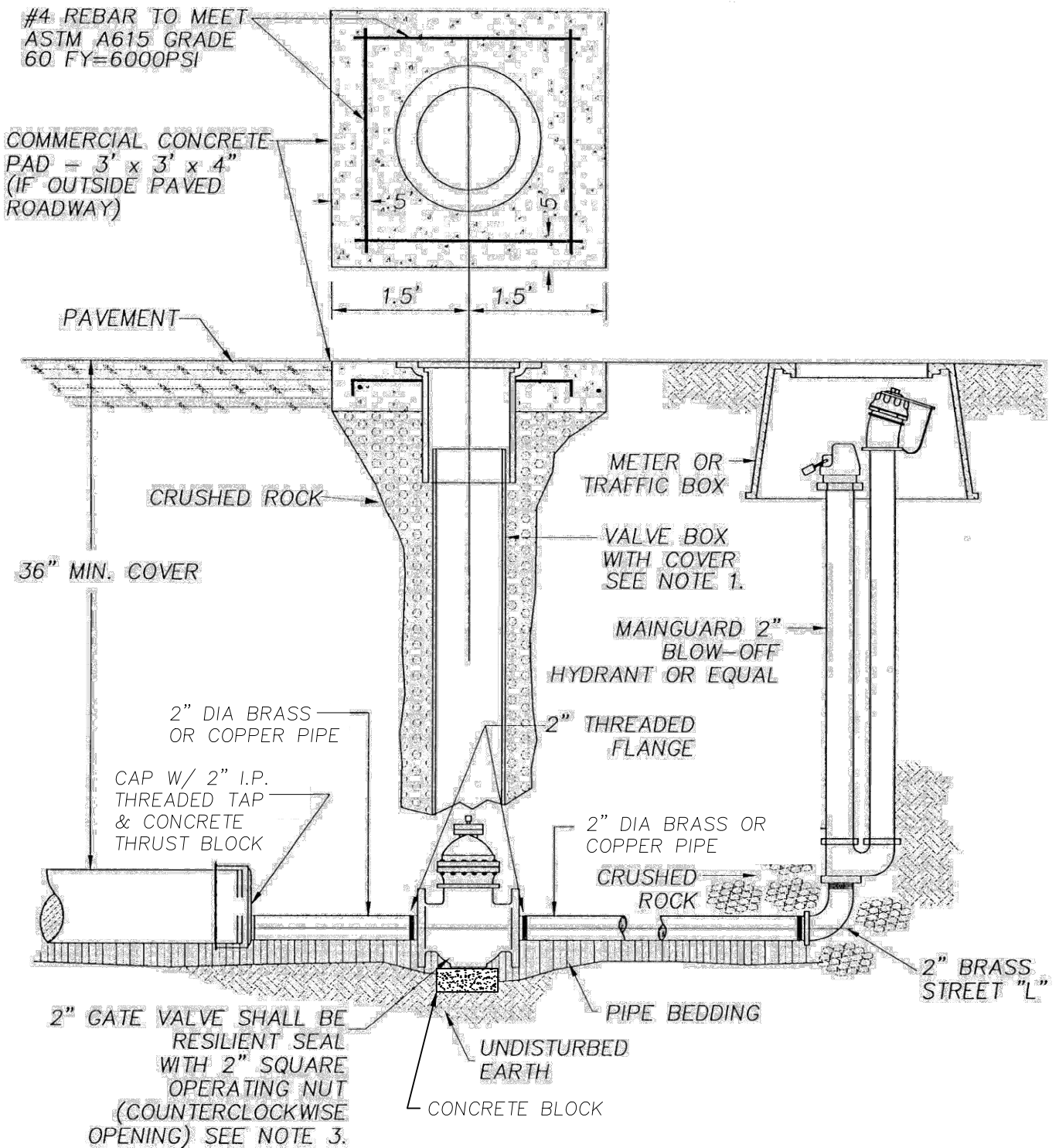
CHKD:

T.E.G.

SCALE:

NONE

CITY OF CASTLE ROCK			
COMBINATION AIR VACUUM/AIR RELEASE VALVE			
APPROVED: 		07-20-20	DWG. NO. CR010W
BY CITY		DATE	
DATE: 06/20	DRWN: KAR	CHKD: T.E.G.	SCALE: NONE



NOTES:

1. VALVE BOX AND COVER SHALL BE PER VALVE BOX DETAIL.
2. LOCATE BLOW-OFF HYDRANT OUTSIDE ROADWAY LOCATE VALVE WITHIN ROADWAY
3. ON WATERMAINS WHICH WILL BE EXTENDED IN THE FUTURE, THE VALVE WHICH OPERATES THE BLOWOFF ASSEMBLY SHALL BE THE SAME SIZE AND PROVIDED WITH A CONCRETE THRUST BLOCK.

CITY OF CASTLE ROCK

DEAD END WATER MAIN 2"
BLOW-OFF ASSEMBLY

APPROVED:

Dei Vora

07-20-20

BY CITY

DATE

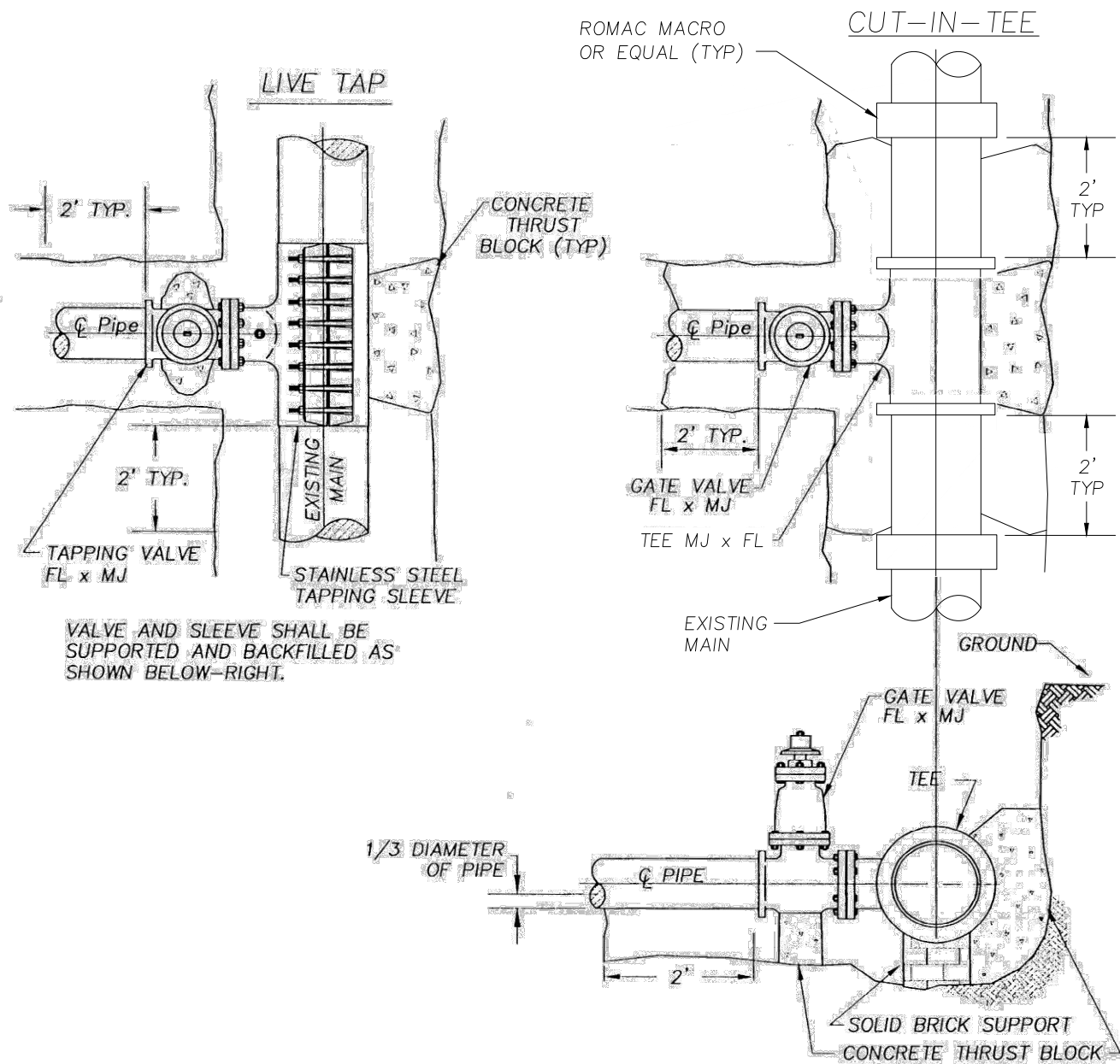
DATE:
06/20

DRWN:
KAR

CHKD:
T.E.G.

DWG. NO.
CR011W

SCALE:
NONE



NOTES:

1. 11 MIL. PLASTIC OR CONSTRUCTION FABRIC SHALL BE WRAPPED AROUND PIPE AND FITTINGS BEFORE THRUST BLOCKS ARE POURED.
2. SUPPORT VALVE AND SLEEVE CONTINUOUSLY THROUGH INSTALLATION.

CITY OF CASTLE ROCK

CONNECTION TO EXISTING MAIN

APPROVED:

DeVore

07-20-20

BY CITY

DATE

DWG. NO.

CR012W

DATE:

11/19

DRWN:

W.M.

CHKD:

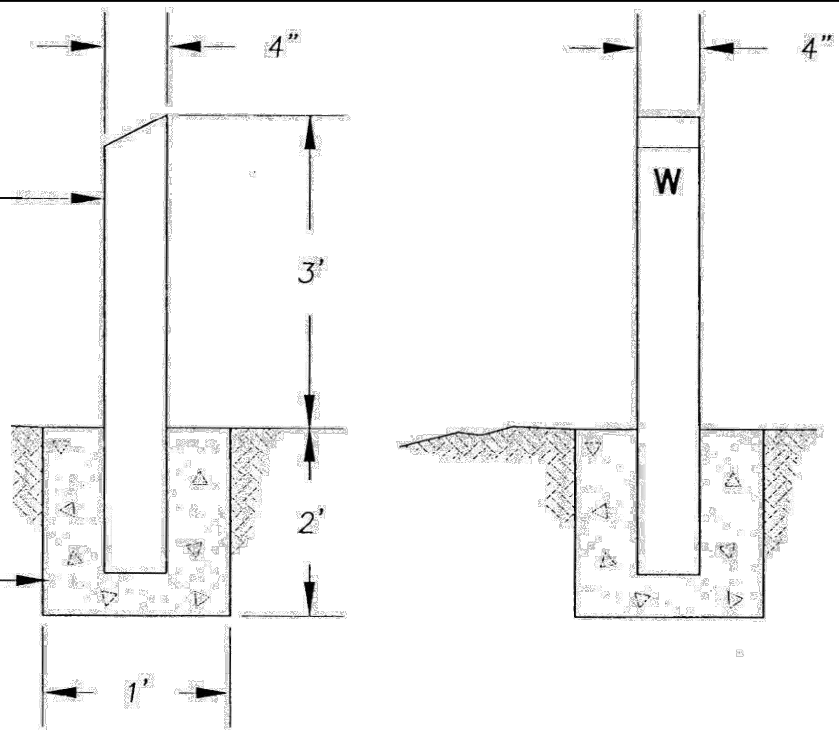
T.E.G.

SCALE:

NONE

4" SCHEDULE 40 STEEL, REINFORCED
CONCRETE MARKER POST STAMPED WITH
"W" OR 4 FT TALL BLUE COMPOSITE
MARKER LABELED "WATER VALVE".
INDICATE DISTANCE TO VALVE.
CONCRETE MARKER POST TO RECEIVE
ONE PRIME COAT AND TWO COATS
OUTDOOR OIL BASE ENAMEL (WHITE).
CONCRETE BASE NOT REQUIRED WITH
COMPOSITE MARKERS.

CEMENT CONCRETE CLASS "B"



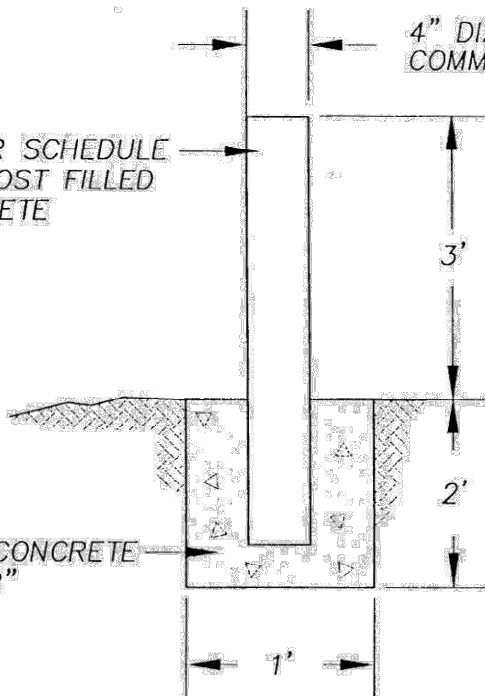
SIDE

FRONT

VALVE MARKER POST

4" DIAMETER SCHEDULE
20 STEEL POST FILLED
WITH CONCRETE

CEMENT CONCRETE
CLASS "B"



HYDRANT BOLLARD

4" DIA. (6" DIA. FOR HYDRANTS LOCATED IN
COMMERCIAL LOADING ZONES)

NOTE:

1. LOCATE POSTS 3' FROM HYDRANT
DO NOT BLOCK HYDRANT PORTS
2. PIPE TO RECEIVE ONE PRIME COAT
AND TWO COATS OUTDOOR OIL BASE
ENAMEL (SAME COLOR AS HYDRANT—
SEE FIRE HYDRANT DETAIL)
3. FOR REMOTE LOCATIONS
4. THIS HYDRANT BOLLARD DETAIL
APPLIES WHEN THE BOLLARD IS
10' OR MORE OFF THE TRAVELLED
EDGE OF ROADWAY

CITY OF CASTLE ROCK

VALVE MARKER POST AND
HYDRANT BOLLARD DETAIL

APPROVED:

David Vora

07-20-20

BY CITY

DATE

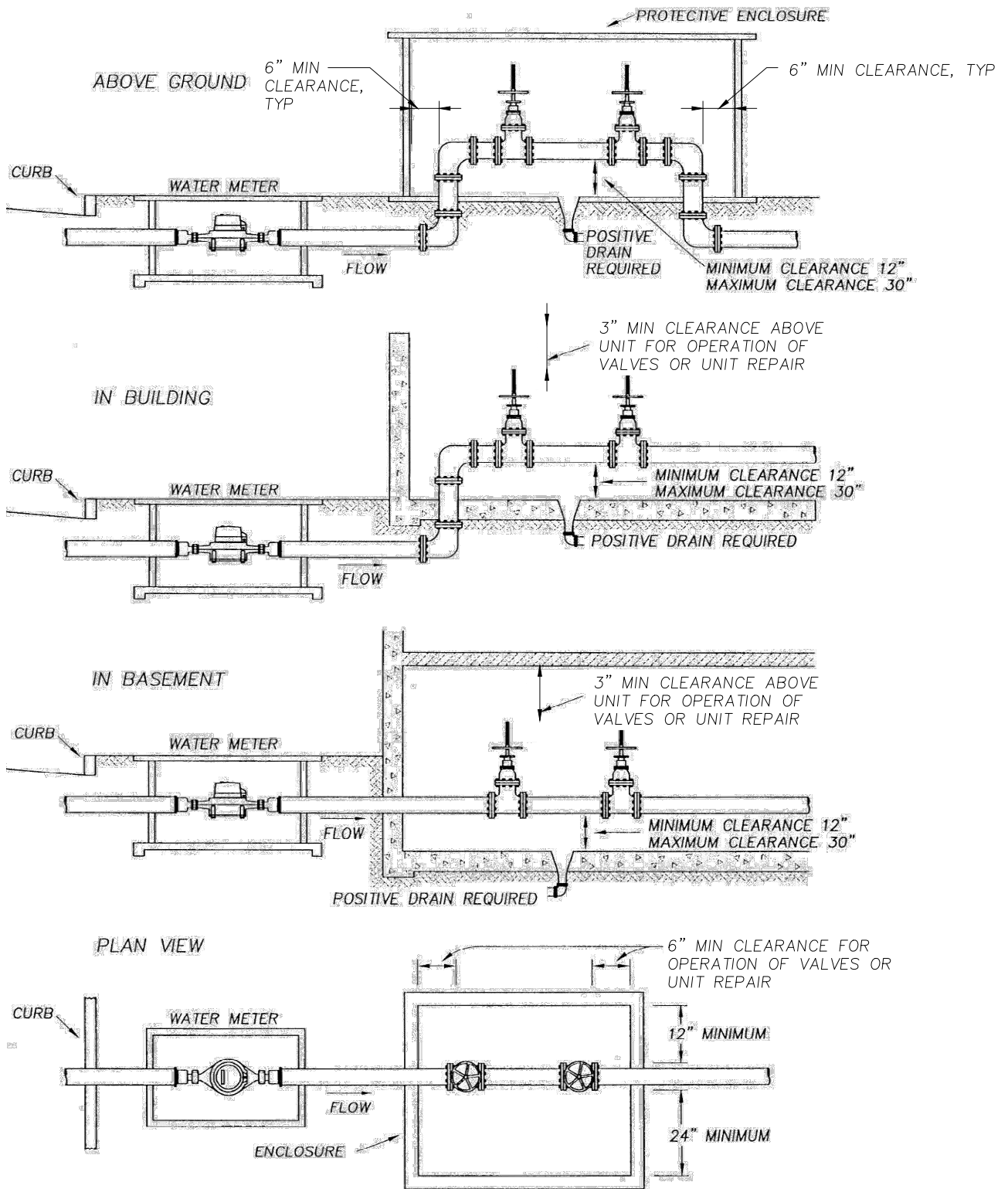
DATE:
07/20

DRWN:
W.M.

CHKD:
T.E.G.

DWG. NO.
CR013W

SCALE:
NONE



NOTES:

1. REDUCED PRESSURE BACKFLOW ASSEMBLY MUST BE ABOVE GROUND.

CITY OF CASTLE ROCK

TYP INSTALLATIONS W/ MIN CLEARANCES
 BACKFLOW PREVENTION DEVICE ASSEMBLIES

APPROVED:

DeVore

07-20-20

BY CITY

DATE

DWG. NO.

CR014W

DATE:

06/20

DRWN:

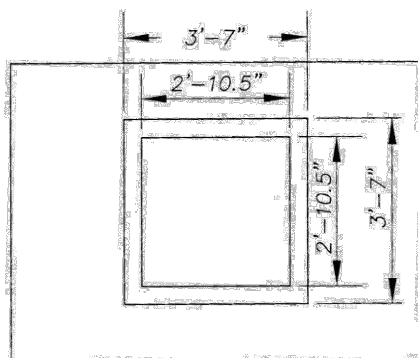
KAR

CHKD:

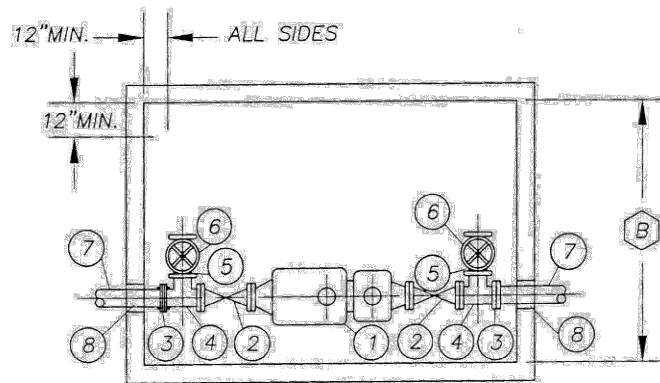
T.E.G.

SCALE:

NONE

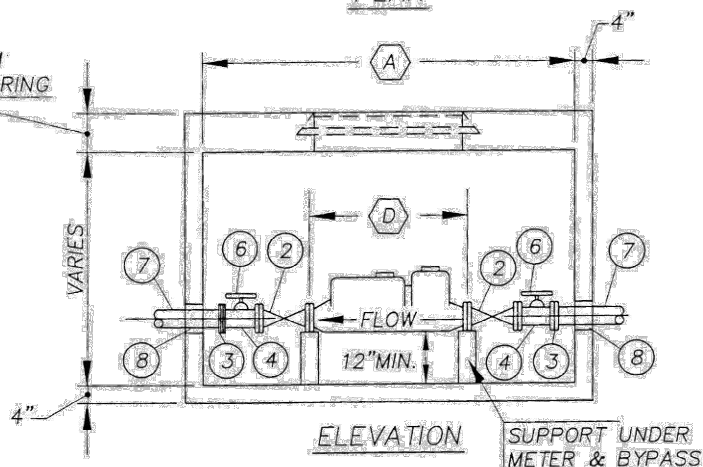


LID COVER



PLAN

6" MINIMUM
8" TRAFFIC BEARING



ELEVATION

SUPPORT UNDER
METER & BYPASS

NOTES:

- FOR NON-TRAFFIC BEARING 3" & 4" METERS-
LID COVER #5736 (OLYMPIC FOUNDRY)
OR EQUAL.
- FOR TRAFFIC BEARING 3" & 4" METERS-
LID COVER #5737-H (OLYMPIC FOUNDRY)
OR EQUAL.
- FOR 6" & 8" METERS-
LID COVER #5739 (OLYMPIC FOUNDRY)
OR EQUAL.

CITY OF CASTLE ROCK			
COMPOUND WATER METER WITH BYPASS FOR 3", 4", 6", AND 8" SIZE			
APPROVED: 		07-20-20	DWG. NO. CR015WA
BY CITY		DATE	
DATE: 11/19	DRWN: W.M.	CHKD: T.E.G.	SCALE: NONE

3-INCH METER INSTALLATION

1. 3" Compound Meter — Master Meter Octave
2. 3" FLG Valve with Hand Wheel
3. 3" Flex by Flange Coupling
4. 3" X 1-1/2" Tapped FLG Tee
5. 1-1/2" Close Nipple
6. 1-1/2" SCR End Hand Wheel Valve (Jones#J372)
7. 3" X 36" Lgth. Threaded Both Ends
8. 6" Sleeve
A = 86"; B = 68"; D = 24"

6-INCH METER INSTALLATION

1. 6" Compound Meter — Master Meter Octave
2. 6" FLG Valve with Hand Wheel
3. 6" Flex by Flange Coupling
4. 6" X 4" Tapped FLG Tee
5. 4" Close Nipple Pipe
6. 4" SCR End Hand Wheel Valve
7. 6" X 36" Lgth. Piece Pipe Threaded
8. 8" Sleeve
A = 114"; B = 78"; D = 36-1/2"

4-INCH METER INSTALLATION

1. 4" Compound Meter — Master Meter Octave
2. 4" FLG Valve with Hand Wheel
3. 4" Flex by Flange Coupling
4. 4" X 2" Tapped FLG Tee
5. 2" Close Nipple
6. 2" SCR End Hand Wheel Valve (Jones#372)
7. 4" X 36" Lgth. Threaded Both Ends
8. 6" Sleeve
A = 91"; B = 70"; D = 29"

8-INCH METER INSTALLATION

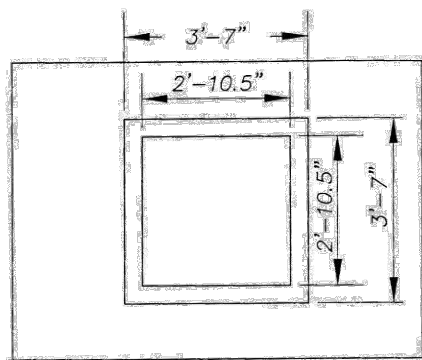
1. 8" Compound Meter — Master Meter Octave
2. 8" FLG Valve with Hand Wheel
3. 8" Flex by Flange Coupling
4. 8" X 6" Tapped FLG Tee
5. 6" Close Nipple Pipe
6. 6" SCR End Hand Wheel Valve
7. 8" X 36" Lgth. Piece Pipe Threaded
8. 10" Sleeve
A = 136"; B = 116"; D = 53"

* ANY WATER METER FITTED WITH THE HEXAGRAM MODULE THAT IS SUBMERSIBLE AND SELF POWERED.

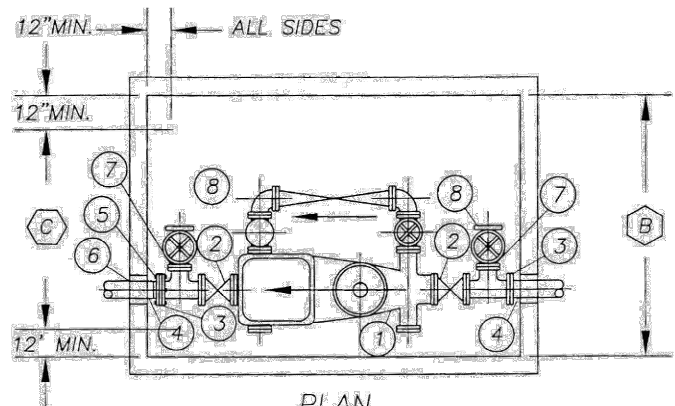
NOTES: • DRAINAGE MUST BE PROVIDED FOR METER PIT.

- PIPE LENGTHS MAY BE CHANGED DUE TO VARYING LENGTHS IN METERS USED.
- ON ALL METERS 3" AND ABOVE A FLEX-COUPLING SHALL BE INSTALLED IN THE OUTLET LINE WITHIN THE METER BOX.
- REMOTE SHALL BE LOCATED IN A READILY ACCESSIBLE AREA OUTSIDE THE VAULT AS APPROVED BY THE CITY OF CASTLE ROCK.
- RADIO SHALL BE INSTALLED BY THE CITY OF CASTLE ROCK AT THE CONTRACTOR'S EXPENSE.
- VALVES SHALL BE GATE VALVES W/ HAND WHEELS.
- ALL PIPING SHALL BE DUCTILE IRON, BRASS, OR COPPER.

CITY OF CASTLE ROCK			
MATERIAL LIST COMPOUND WATER METER WITH BY-PASS FOR 3", 4", 6" AND 8" SIZE			
APPROVED: 		07-20-20	DWG. NO.
BY CITY		DATE	CR015WB
DATE: 06/20	DRWN: W.M.	CHKD: T.E.G.	SCALE: NONE

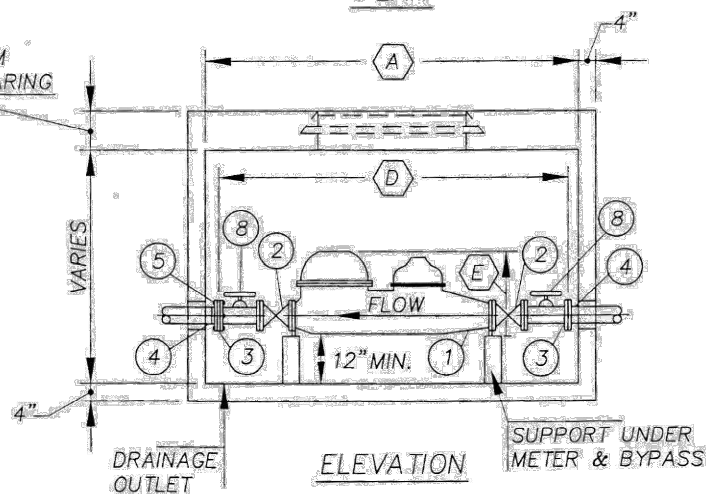


LID COVER



PLAN

6" MINIMUM
8" TRAFFIC BEARING



ELEVATION

NOTES:

- FOR NON-TRAFFIC BEARING 4" METERS—
LID COVER #5736 (OLYMPIC FOUNDRY)
OR EQUAL.
- FOR TRAFFIC BEARING 4" METERS—
LID COVER #5737-H (OLYMPIC FOUNDRY)
OR EQUAL.
- FOR 6" & 8" METERS—
LID COVER #5739 (OLYMPIC FOUNDRY)
OR EQUAL.

CITY OF CASTLE ROCK			
F.M. DETECTOR METER WITH C.T. BY-PASS AND BY-PASS LINE FOR 4", 6", 8" AND 10" SIZE			
APPROVED: 		07-20-20	DWG. NO. CR016WA
BY CITY		DATE	
DATE: 11/19	DRWN: W.M.	CHKD: T.E.G.	SCALE: NONE

FM-CT
MATERIAL LIST

4-INCH

1. 4" FM Detector Meter with By-Pass and By-Pass line - Sensus
2. 4" FLG Valve with Hand Wheel
3. 4" Flex x Flange Coupling
4. 4" x 36" Threaded Both Ends
5. 4" Flex x Flange Adapter
6. 6" Sleeve through Wall (Ductile Iron)
7. 2" Close Nipple
8. 2" SCR End Hand Wheel Valve (Jones#372)

A = 88"; B = 76"; C = 52"
D = 64"; E = 24-3/4"

8-INCH

1. 8" FM Detector Meter with CT By-Pass and By-Pass line - Sensus
2. 8" FLG Valve with Hand Wheel
3. 8" Flex x Flange Coupling
4. 8" x 36" Threaded Both Ends
5. 4" Flex x Flange Adapter
6. 10" Sleeve through Wall (Ductile Iron)
7. 6" Close Nipple Pipe
8. 6" SCR End Hand Wheel Valve

A = 118"; B = 93"; C = 68-3/4"
D = 94"; E = 40-1/4"

NOTES:

- DRAINAGE MUST BE PROVIDED FOR METER PIT
- PIPE LENGTHS MAY BE CHANGED DUE TO VARYING LENGTHS IN METERS USED
- ON ALL METERS 3" AND ABOVE A FLEX-COUPLING SHALL BE INSTALLED IN THE OUTLET LINE WITHIN THE METER BOX.
- VALVES SHALL BE GATE VALVES W/ HAND WHEELS.
- ALL PIPING SHALL BE DUCTILE IRON, BRASS, OR COPPER.

6-INCH

1. 6" FM Detector Meter with By-Pass and By-Pass line - Sensus
2. 6" FLG Valve with Hand Wheel
3. 6" Flex x Flange Coupling
4. 6" x 36" Threaded Both Ends
5. 4" Flex x Flange Adapter
6. 8" Sleeve through Wall (Ductile Iron)
7. 4" Close Nipple Pipe
8. 4" SCR End Hand Wheel Valve

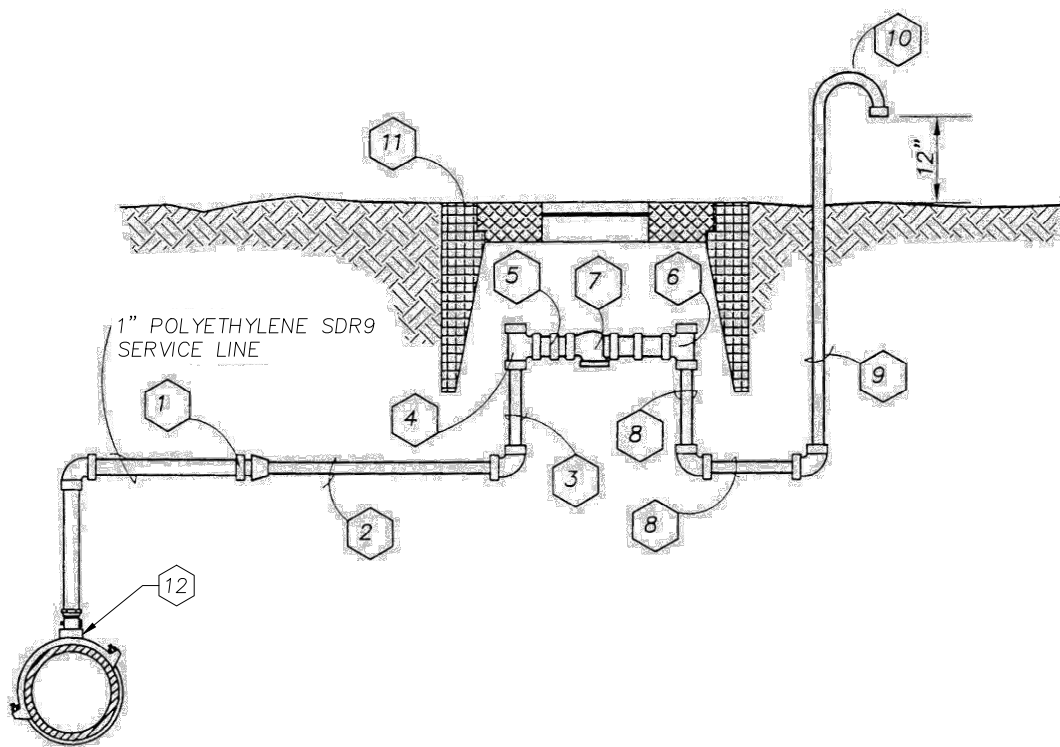
A = 106"; B = 84"; C = 59-1/4"
D = 82"; E = 31-1/4"

10-INCH

1. 10" FM Detector Meter with By-Pass and By-Pass line - Sensus
2. 10" FLG Valve with Hand Wheel
3. 10" Flex x Flange Coupling
4. 10" x 36" Threaded Both Ends
5. 4" Flex x Flange Adapter
6. 12" Sleeve through Wall (Ductile Iron)
7. 6" Close Nipple Pipe
8. 6" SCR End Hand Wheel Valve

A = 140"; B = 107"; C = 82-1/4"
D = 116"; E = 48-1/2"

CITY OF CASTLE ROCK			
F.M. DETECTOR METER WITH C.T. BY-PASS AND BY-PASS LINE FOR 4", 6", 8" AND 10" SIZE			
APPROVED:  BY CITY _____			DWG. NO. CR016WB
DATE: 06/20			DATE: 07-20-20 DRWN: W.M. CHKD: T.E.G. SCALE: NONE



- 1 1" MALE ADAPTOR WITH 1"x $\frac{3}{4}$ " BRASS BELL REDUCER
- 2 $\frac{3}{4}$ "x12" BRASS NIPPLE
- 3 $\frac{3}{4}$ "x18" BRASS NIPPLE
- 4 ANGLE METER STOP W/1" SWIVEL NUT OUTLET
- 5 NEOPRENE METER GASKET
- 6 90° METER ELL W/SWIVEL NUT
- 7 1" SWING CHECK VALVE (UP-SIDE DOWN) WITH TWO 1"xCLOSE BRASS NIPPLES
- 8 $\frac{3}{4}$ "x10" BRASS NIPPLE
- 9 $\frac{3}{4}$ " BRASS RISER PIPE
- 10 $\frac{3}{4}$ " BRASS RETURN END WITH SCREEN
- 11 METER BOX
- 12 BALL VALVE TYPE CORP STOP RATED TO WITHSTAND HYDROSTATIC PRESSURE TEST. TAP TO BE AT TOP OF PIPE

CITY OF CASTLE ROCK

VACUUM BREAKER & AIR RELIEF VALVE

APPROVED:

David Vora

07-20-20

BY CITY

DATE

DWG. NO.

CR017W

DATE:

12/19

DRWN:

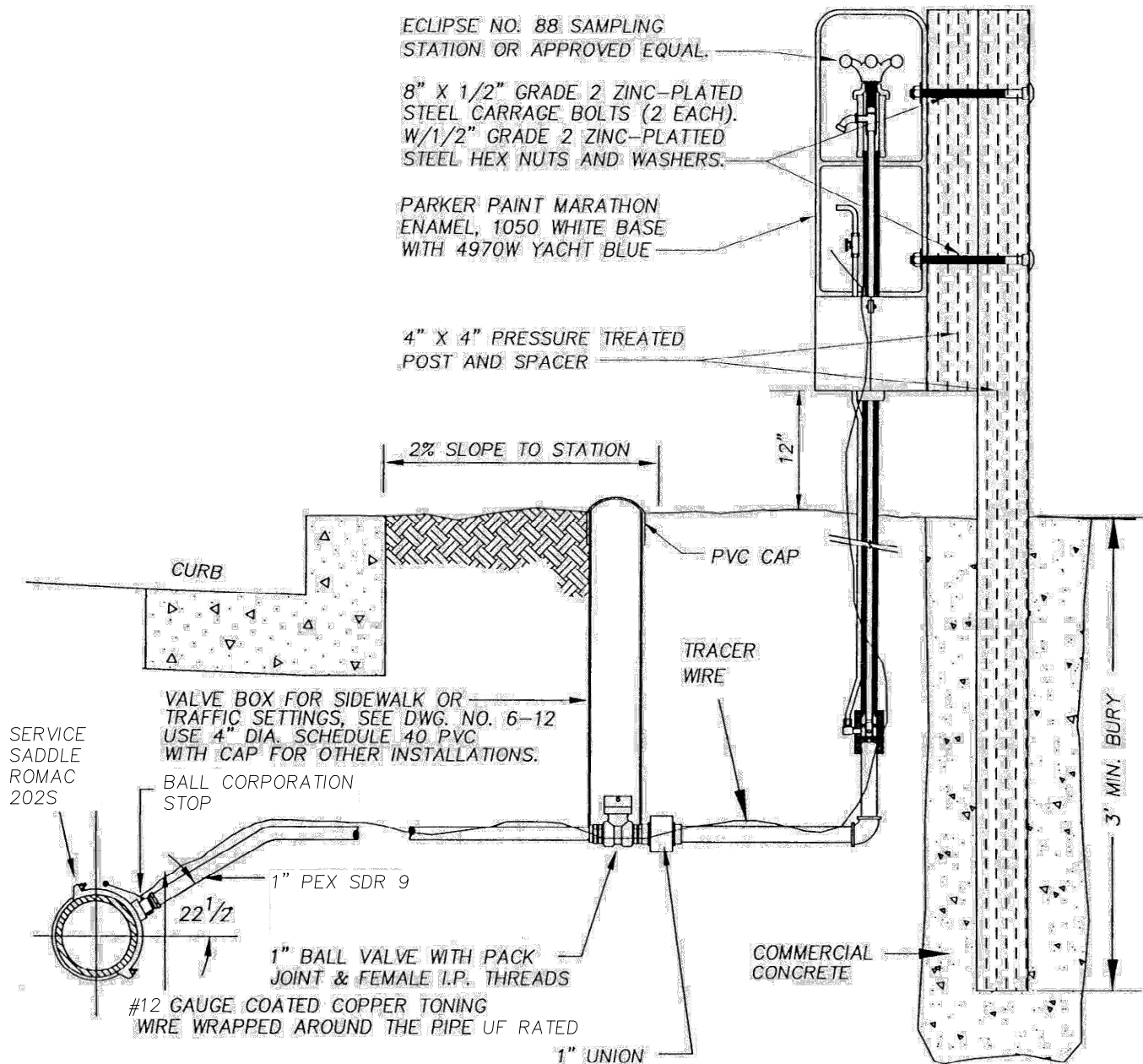
KAR

CHKD:

T.E.G.

SCALE:

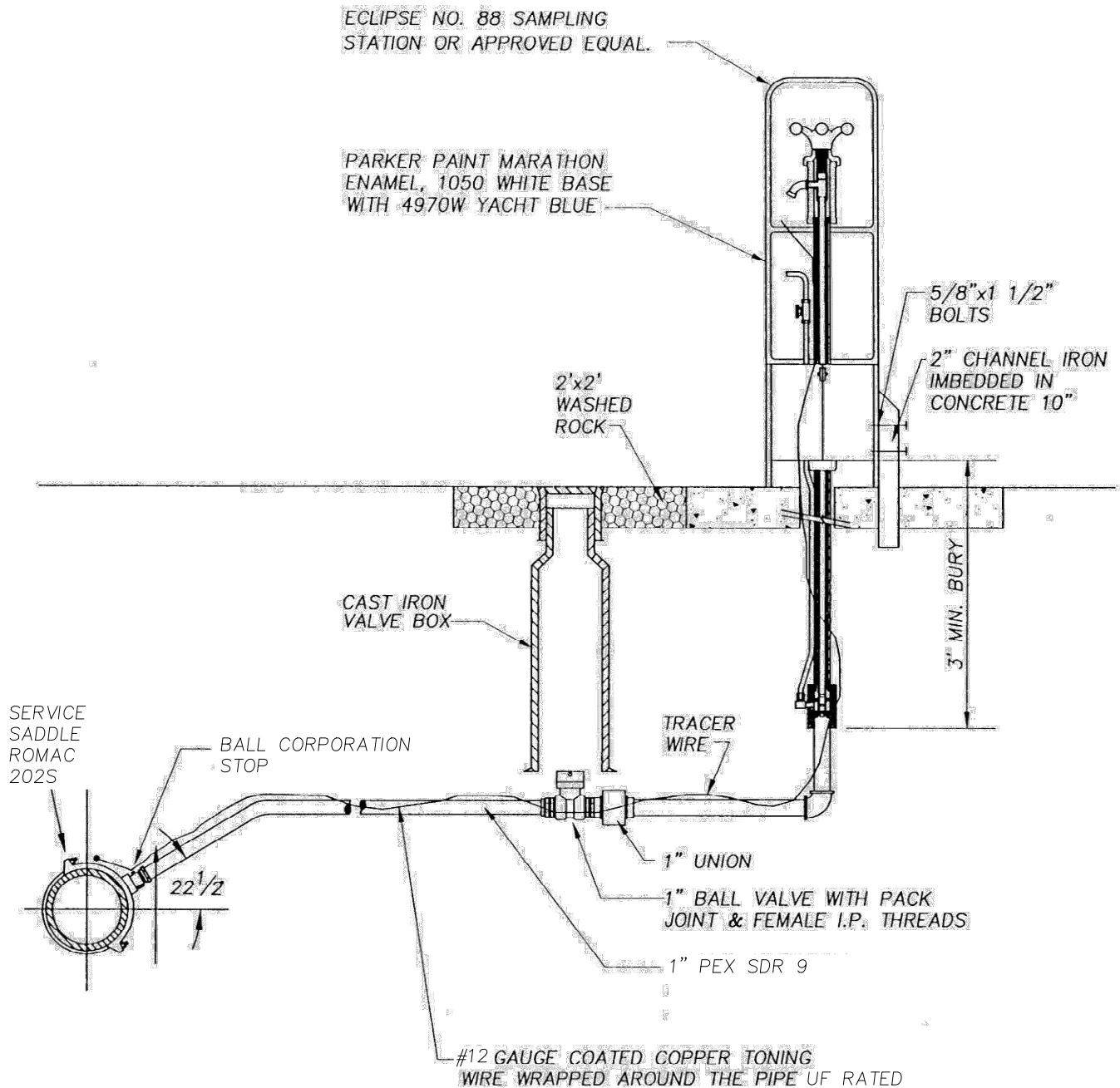
NONE



NOTES:

1. STAINLESS STEEL INSERTS REQUIRED FOR ALL PACK JOINTS.
2. ALL SERVICE SADDLES SHALL HAVE RUBBER GASKET AND I.P. THREADS.
3. SEE DIRECTOR OF PUBLIC WORKS FOR USE OF SAMPLING TYPE CR018AW OR CR018BW.
4. PEX PIPING SHALL BE MUNICIPEX SDR9.

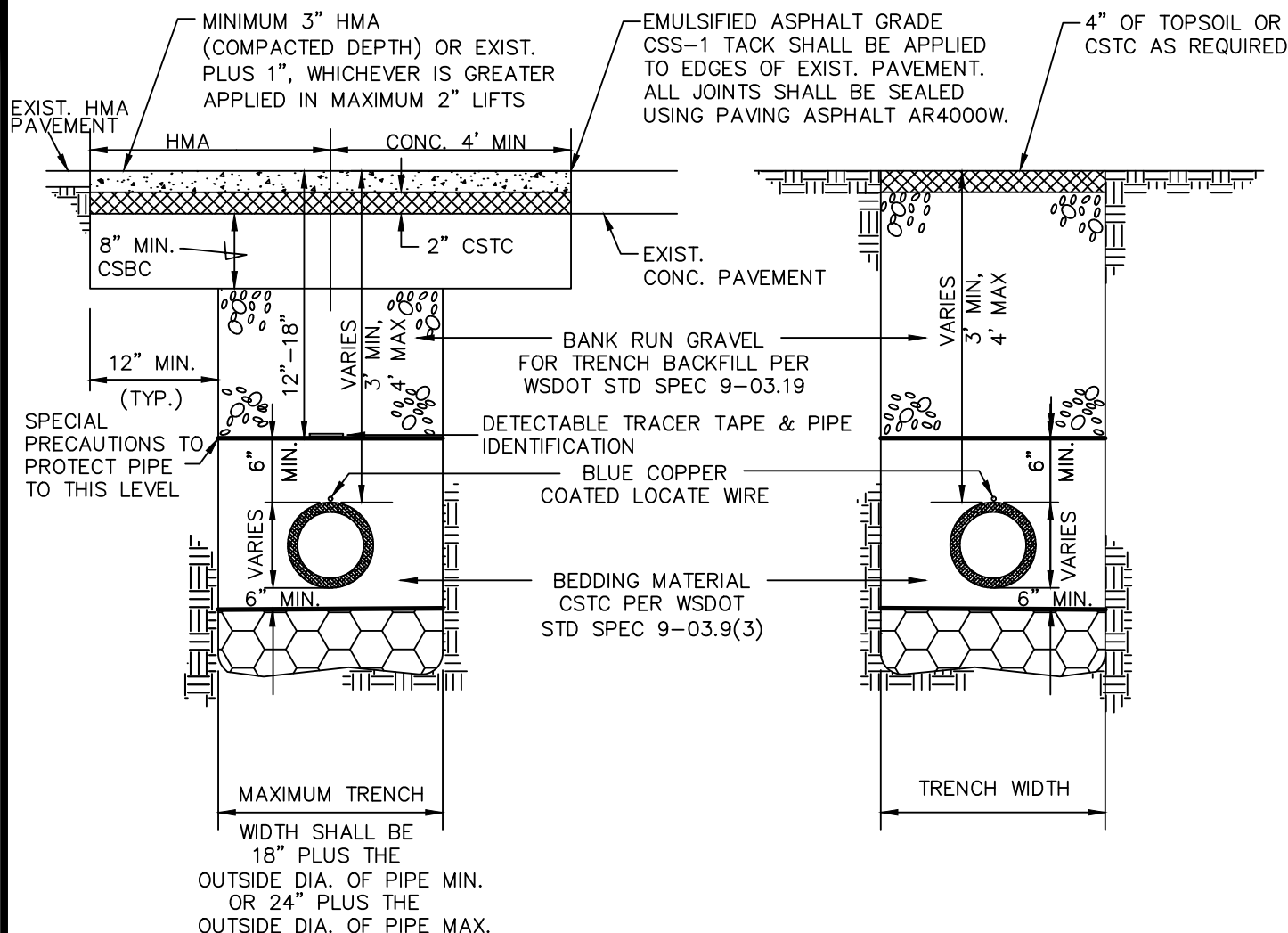
CITY OF CASTLE ROCK			
SAMPLING STATION (TYPICAL FOR SIDEWALK INSTALLATION)			
APPROVED: <i>[Signature]</i>		07-20-20	DWG. NO. CR018WA
BY CITY		DATE	
DATE: 06/20	DRWN: W.M.	CHKD: T.E.G.	SCALE: NONE



NOTES:

1. STAINLESS STEEL INSERTS REQUIRED FOR ALL PACK JOINTS.
2. ALL SERVICE SADDLES SHALL HAVE RUBBER GASKET AND I.P. THREADS.
3. SEE DIRECTOR OF PUBLIC WORKS FOR USE OF SAMPLING TYPE CR018AW OR CR018BW.
4. PEX PIPING SHALL BE MUNICIPEX SDR9.

CITY OF CASTLE ROCK			
SAMPLING STATION (TYPICAL FOR SIDEWALK INSTALLATION)			
APPROVED: 		07-20-20	DWG. NO. CR018WB
BY CITY		DATE	
DATE: 06/20	DRWN: W.M.	CHKD: T.E.G.	SCALE: NONE



NOTES:

1. CSTC & CSBC MATERIAL SHALL BE COMPACTED IN 6-INCH MAXIMUM LIFTS TO 95% DENSITY.
2. COMPACTION: BEDDING SHALL BE COMPACTED TO 95% MAX. AS DETERMINED BY ASTM D1557. BACKFILL SHALL BE COMPACTED TO 95% IN THE ROADWAY PRISM, AND 85% OUTSIDE ROADWAY PRISM AS DETERMINED BY ASTM D1557.
3. ALL MATERIALS, WORKMANSHIP, AND INSTALLATION SHALL BE IN CONFORMANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION AS AMENDED BY CITY STANDARDS.
4. WHEN CUT LINE IS LESS THAN THREE FEET FROM A CUT LINE, CURB, JOINT LINE, OR PAVEMENT EDGE, THE EXISTING PAVEMENT SHALL BE REMOVED TO THE CUT LINE.
5. KEEP TRENCH BOTTOM COMPACTED WITH UNIFORM GRADE. A BELL JOINT SHALL BE REQUIRED AT EACH JOINT FOR PROPER SUPPORT. NO TEMPORARY SUPPORTS, I.E. BLOCKS, WILL BE ALLOWED TO SUPPORT PIPE. TRENCH BOTTOM SHALL BE TO GRADE PRIOR TO PIPE INSTALLATION.

CITY OF CASTLE ROCK

TRENCH - PAVEMENT RESTORATION

APPROVED:

Dan Vora

07-20-20

BY CITY

DATE

DATE:
9/19

DRWN:
KAR

CHKD:
CLR

DWG. NO.
CR019W

SCALE:
NONE