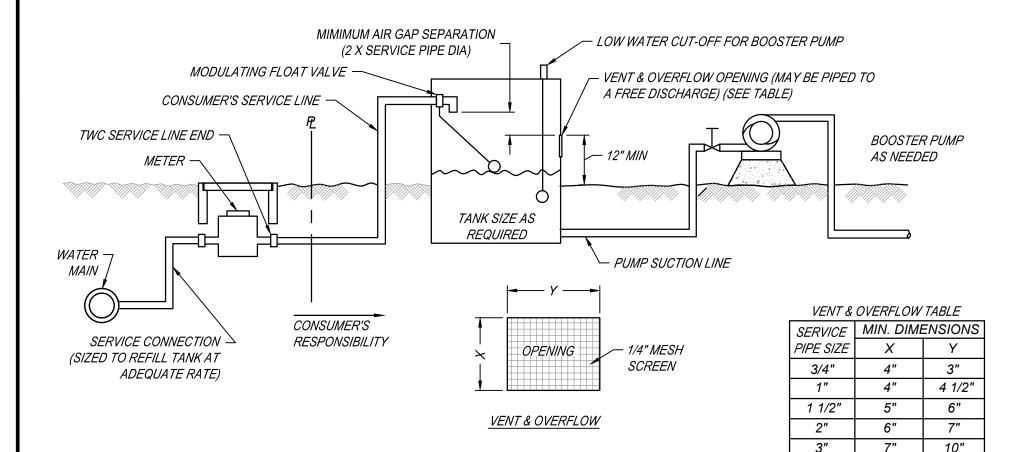
Sheet List Table			
Sheet Number	Sheet Title		
INDEX	TEXAS WATER COMPANY STANDARD DETAILS - SHEET INDEX		
BK-AG	AIR GAP SEPARATION		
BK-DCDA	APPROVED DOUBLE CHECK DETECTOR ASSEMBLY INSTALLATION		
BK-DCDA1	BELOW GRADE DOUBLE CHECK DETECTOR ASSEMBLY INSTALLATION		
BK-DCV	APPROVED DOUBLE CHECK VALVE ASSEMBLY INSTALLATION		
BK-RPP	APPROVED REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTOR		
MAIN-AV12	AIR VALVE INSTALLATION		
MAIN-AV2	AIR VALVE INSTALLATION		
MAIN-BO	TYPICAL BLOW-OFF ASSEMBLY INSTALLATION		
MAIN-HYD	STANDARD FIRE HYDRANT INSTALLATION		
MAIN-HYDP	TYPICAL FIRE HYDRANT PLACEMENTS		
MAIN-AFH	AUTOFLUSH HYDRANT		
MAIN-LOW	TYPICAL WATER MAIN LOWERING - UTILITY CROSSING		
MAIN-BRG	ROAD BORING AT HIGHWAY CROSSING		
MAIN-CC	CONCRETE CAP ON SHALLOW MAINS		
MAIN-CSG	CASING DETAIL		
MAIN-LAB	INLINE ANCHOR BLOCK		

MAIN-RPR MAIN-ST	RESTRAINED PIPE REPAIR SLOPED TRENCH DETAIL PIPE TRENCH DETAIL
MAIN TON	PIPE TRENCH DETAIL
MAIN-TRN	
MAIN-VB	VALVE BOX INSTALLATION
MAIN-VBK	VALVE BANK INSTALLATION
ТВ-НР	THRUST BLOCKING
TB-STD	THRUST BLOCKING
SER-58-34	SERVICE
SER-1	SERVICE
SER-1.5B	SERVICE WITH BYPASS
SER-2B	SERVICE WITH BYPASS
SER-3B	SERVICE WITH BYPASS
SER-4B	SERVICE WITH BYPASS
SER-6B	SERVICE WITH BYPASS
SER-8B	SERVICE WITH BYPASS
SER-DUAL	TYPICAL DUAL SERVICE INSTALLATION
SER-LT	LONG SERVICE
SER-FCSL	TYPICAL FIRE SERVICE AND COMMERCIAL SERVICE LAYOUT
GATE-16	TYPICAL 16 FT WIDE GATE



SHEET NO.



- DESIGN, FABRICATION, INSTALLATION AND OPERATION MUST COMPLY WITH STANDARDS OF THE AMERICAN WATER WORKS ASSOCIATION (AWWA) AND ALL FEDERAL, STATE AND LOCAL LAWS, RULES, REGULATIONS, ORDERS, CODES AND ORDINANCES.
- 2. THE AIR GAP SEPARATION SHALL BE INSTALLED SUBJECT TO THE APPROVAL OF TWC. ANY DEVIATION FROM THE METHODS DESCRIBED HEREON MUST RECEIVED APPROVAL PRIOR TO INSTALLATION.
- 3. NO CONNECTIONS SHALL BE MADE BETWEEN METER AND CONSUMER'S TANK.

February 15, 2024

4. THE OVERFLOW OPENING AND SCREEN SIZE SHALL BE AS SHOWN HEREON OR OF GREATER CAPACITY AS REQUIRED TO MAINTAIN THE SPECIFIED AIR GAP SEPARATION.

Т	E	X		Д	S	+	W	ATER
C	0	M	P	A	N	Y		
1300 Sattler Road Canyon								

1399 Sattler Road Canyon Lake, Texas 78133 (830) 312-4600 AIR GAP SEPARATION

SHEET NO.

10"

15"

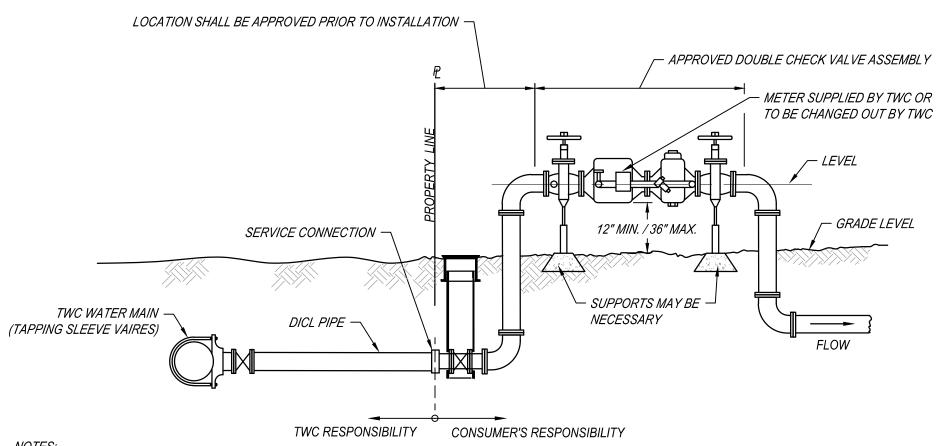
4"

6"

7"

7"

BK-AG



- APPROVED ASSEMBLIES ARE REQUIRED TO HAVE RESILIENT SEATED SHUT-OFF VALVES AND TEST COCKS AS INTEGRAL PARTS OF THE ASSEMBLIES OTHERWISE THE APPROVAL IS VOIDED.
- ASSEMBLY MUST BE ACCESSIBLE FOR TESTING AND MAINTENANCE.
- PROTECTION FROM FREEZE DAMAGE MAY BE REQUIRED IN EXPOSED AREAS.
- NO CONNECTIONS OR TEES WILL BE ALLOWED BETWEEN METER AND ASSEMBLY.
- INSTALLATION AND OPERATION MUST COMPLY WITH STANDARDS SET FORTH BY A.W.W.A. AND ALL FEDERAL. STATE, AND LOCAL LAWS, RULES, REGULATIONS, ORDERS, CODES, AND ORDINANCES.
- 6. THE D.C.V. ASSEMBLY SHALL BE INSTALLED AS CLOSE TO THE METER AS PRACTICAL. ANY DEVIATION FROM THIS METHOD MUST BE APPROVED BY TWC PRIOR TO INSTALLATION.
- ASSEMBLY MAY BE INSTALLED BELOW GRADE WITH APPROVAL BY TWO.



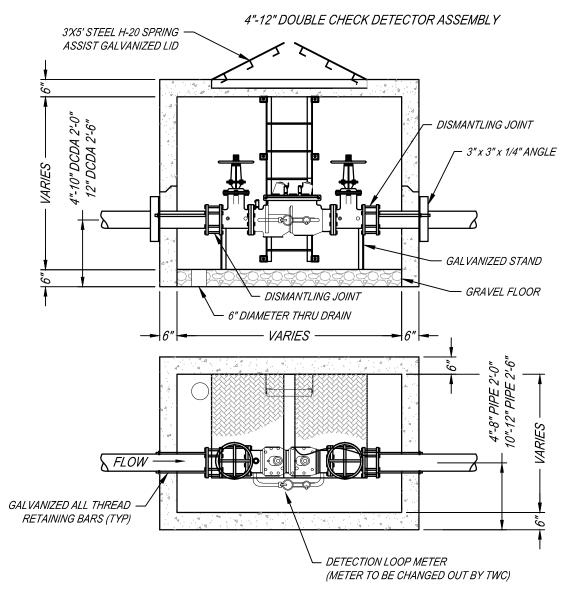
1399 Sattler Road Canyon Lake, Texas 78133 (830) 312-4600

APPROVED DOUBLE CHECK DETECTOR ASSEMBLY INSTALLATION

SHEET NO.

February 15, 2024

BK-DCDA



February 15, 2024

NOTES

- APPROVED ASSEMBLIES ARE REQUIRED TO HAVE RESILENT SEATED SHUT-OFF VALVES AND TEST COCKS AS INTEGRAL PARTS OF THE ASSEMBLIES OTHERWISE THE APPROVAL IS VOIDED.
- ASSEMBLY MUST BE ACCESSIBLE FOR TESTING AND MAINTENANCE.
- INSTALLATION AND OPERATION MUST COMPLY WITH STANDARDS SET FORTH BY A.W.W.A. AND ALL FEDERAL, STATE, AND LOCAL LAWS, RULES, REGULATIONS, ORDERS, CODES AND ORDINANCES.
- DCDA MUST MEET CURRENT CLWSC STANDARDS FOR BACKFLOW PREVENTION DEVICES. CONTACT TWC FOR LIST OF APPROVED DEVICES.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND OTHER INFORMATION AS NECESSARY FOR VAULT AND BACKFLOW DEVICE FOR APPROVAL PRIOR TO INSTALLATION.
- THE FOLLOWING MANUCTURES ARE PRE-APPROVED FOR BOTH VAULT AND BACKFLOW DEVICE REQUIREMENTS: CAPITAL PRECAST, INC. 6905 S. OLD BASTROP HWY SAN MARCOS, TX 78666 (830)-606-6200

VA	VAULT SIZE AND DIMENSION (ID)							
DCDA SIZE	Width	Length	Height					
4"DCDA	4'-0"	6'-6"	5'-0"					
6"DCDA	4'-0"	6'-6"	5'-0"					
8"DCDA	4'-0"	6'-6"	5'-0"					
10"DCDA	5'-0"	7'-0"	6'-0"					
12"DCDA	5'-0"	10'-0"	7'-0"					

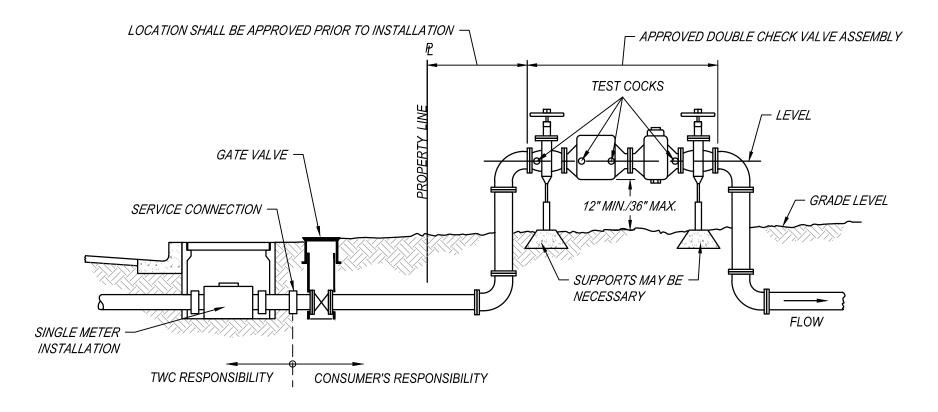


1399 Sattler Road Canyon Lake, Texas 78133 (830) 312-4600

BELOW GRADE DOUBLE CHECK DETECTOR ASSEMBLY INSTALLATION

SHEET NO.

BK-DCDA1



- 1. APPROVED ASSEMBLIES ARE REQUIRED TO HAVE RESILIENT SEATED SHUT-OFF VALVES AND TEST COCKS AS INTEGRAL PARTS OF THE ASSEMBLIES OTHERWISE THE APPROVAL IS VOIDED.
- 2. ASSEMBLY MUST BE ACCESSIBLE FOR TESTING AND MAINTENANCE.
- 3. PROTECTION FROM FREEZE DAMAGE WILL BE REQUIRED IN EXPOSED AREAS.
- 4. NO CONNECTIONS OR TEES WILL BE ALLOWED BETWEEN METER AND ASSEMBLY.
- 5. INSTALLATION AND OPERATION MUST COMPLY WITH STANDARDS SET FORTH BY A.W.W.A. AND ALL FEDERAL, STATE, AND LOCAL LAWS, RULES, REGULATIONS, ORDERS, CODES, AND ORDINANCES.
- 6. THE D.C.V. ASSEMBLY SHALL BE INSTALLED AS CLOSE TO THE METER AS PRACTICAL. ANY DEVIATION FROM THIS METHOD MUST BE APPROVED BY TWC PRIOR TO INSTALLATION.
- 7. IN NO CASE SHALL THIS ASSEMBLY BE INSTALLED BELOW GRADE WITHIN A VAULT OR IN A PIT.

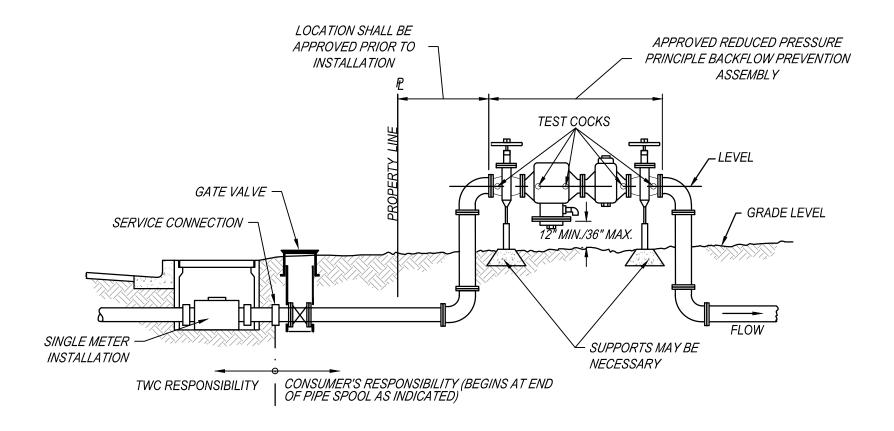


1399 Sattler Road Canyon Lake, Texas 78133 (830) 312-4600 APPROVED DOUBLE CHECK VALVE ASSEMBLY INSTALLATION

SHEET NO.

BK-DCV

February 15, 2024



- 1. APPROVED ASSEMBLIES ARE REQUIRED TO HAVE RESILIENT SEATED SHUT-OFF VALVES AND TEST COCKS AS INTEGRAL PARTS OF THE ASSEMBLIES OTHERWISE THE APPROVAL IS VOIDED.
- 2. ASSEMBLY MUST BE ACCESSIBLE FOR TESTING AND MAINTENANCE.
- 3. PROTECTION FROM FREEZE DAMAGE WILL BE REQUIRED IN EXPOSED AREAS.
- 4. NO CONNECTIONS OR TEES WILL BE ALLOWED BETWEEN METER AND ASSEMBLY.
- 5. INSTALLATION AND OPERATION MUST COMPLY WITH STANDARDS SET FORTH BY A.W.W.A. AND ALL FEDERAL, STATE, AND LOCAL LAWS, RULES, REGULATIONS, ORDERS, CODES, AND ORDINANCES.
- 6. THE R.P.P. ASSEMBLY SHALL BE INSTALLED AS CLOSE TO THE METER AS PRACTICAL. ANY DEVIATION FROM THIS METHOD MUST BE APPROVED BY TWC PRIOR TO INSTALLATION.
- 7. IN NO CASE SHALL THIS ASSEMBLY BE INSTALLED BELOW GRADE WITHIN A VAULT OR IN A PIT.



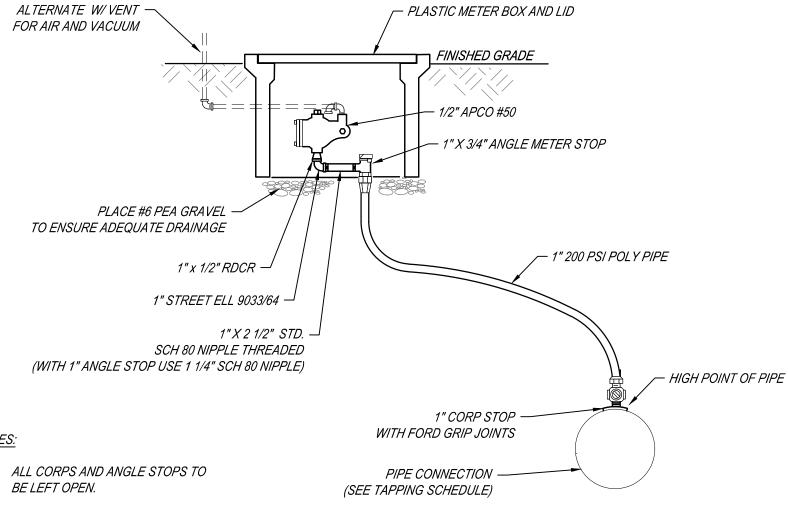
APPROVED REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTOR

February 15, 2024

SHEET NO.

BK-RPP

1399 Sattler Road Canyon Lake, Texas 78133 (830) 312-4600





- 1. ALL CORPS AND ANGLE STOPS TO
- 2. BLOW OFF MAIN BEFORE INSTALLING AIR VALVE.
- 3. AIR RELEASE ONLY, NOT VACUUM.

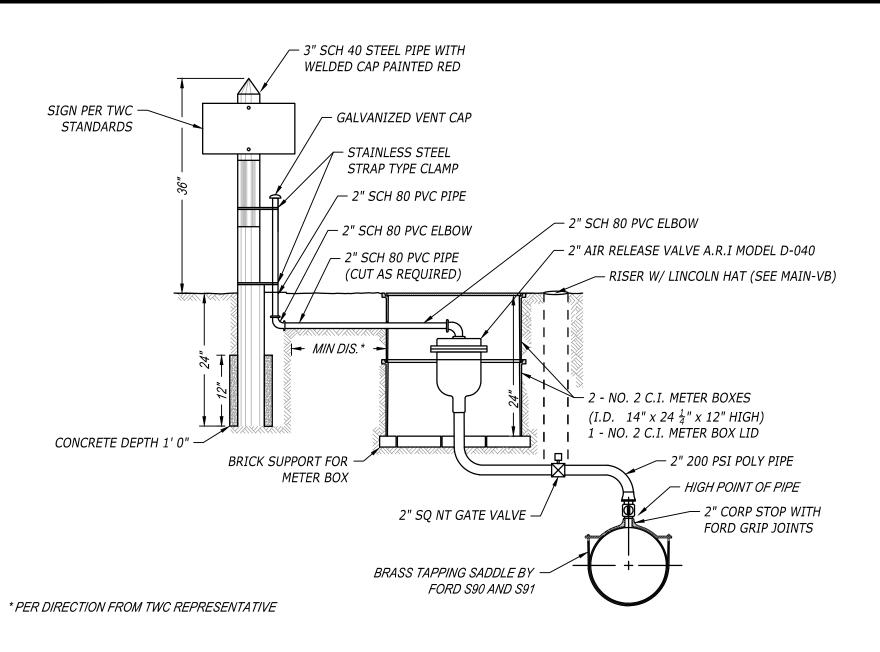


1399 Sattler Road Canyon Lake, Texas 78133 (830) 312-4600

1/2" TO 1" AIR VALVE INSTALLATION

SHEET NO.

MAIN-AV12

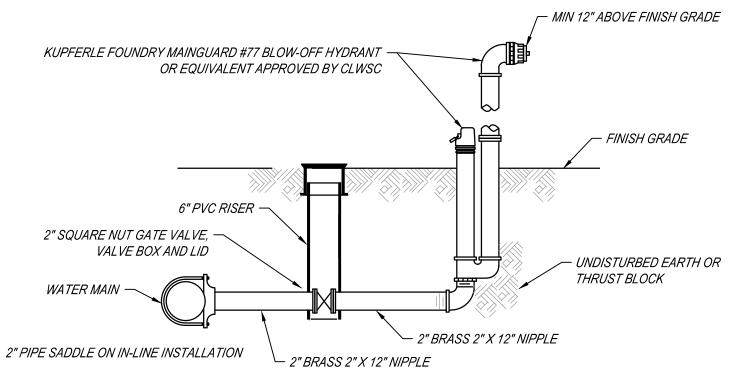


TEXAS WATER

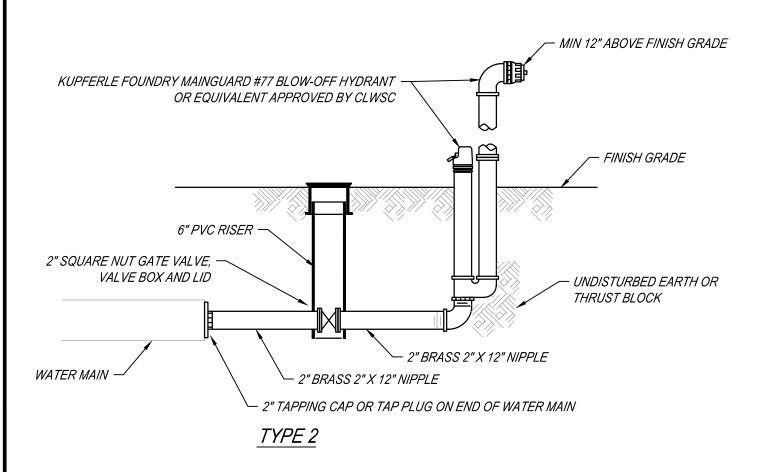
1399 Sattler Road Canyon Lake, Texas 78133 (830) 312-4600 2" AIR VALVE INSTALLATION

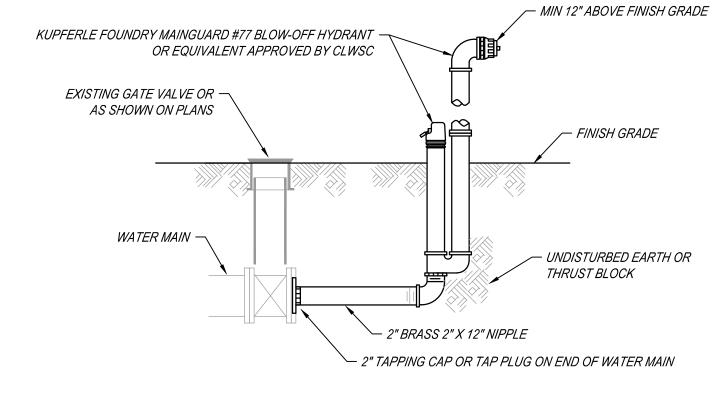
SHEET NO.

MAIN-AV2



TYPE 1





TYPE 3



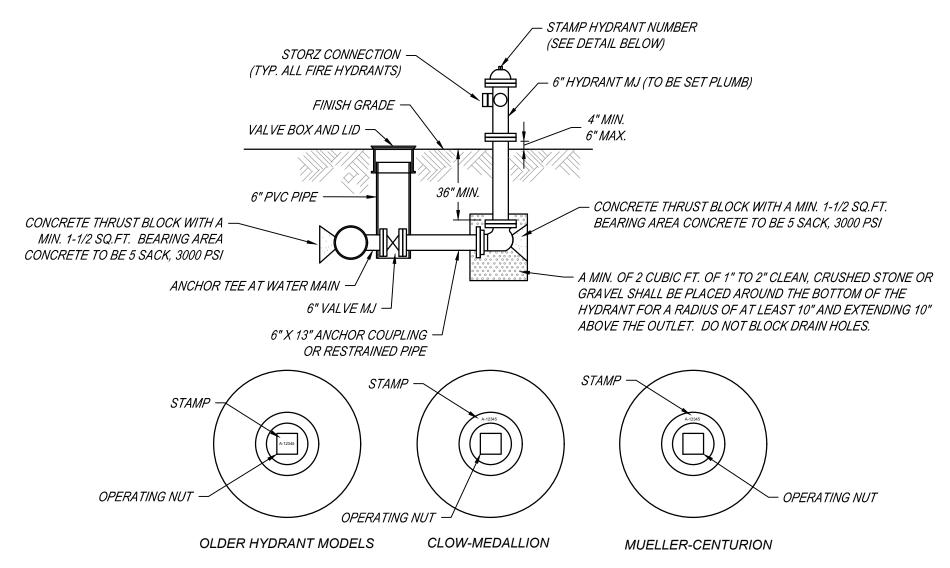
1399 Sattler Road Canyon Lake, Texas 78133 (830) 312-4600

February 15, 2024

TYPICAL BLOW-OFF ASSEMBLY INSTALLATION

SHEET NO.

MAIN-BO



HYDRANT NUMBER LOCATION TOP VIEW

- ALL HYDRANTS SHALL BE TURN LEFT TO OPEN.
- FIRE HYDRANTS SHALL BE INSTALLED WITH STORZ TYPE CONNECTION, INTEGRAL CONNECTION OR STORZ ADAPTORS SHALL BE REQUIRED ON ALL FIRE HYDRANTS.

February 15, 2024

SEE STD. DWG. MAIN-VB FOR VALVE BOX INSTALLATION

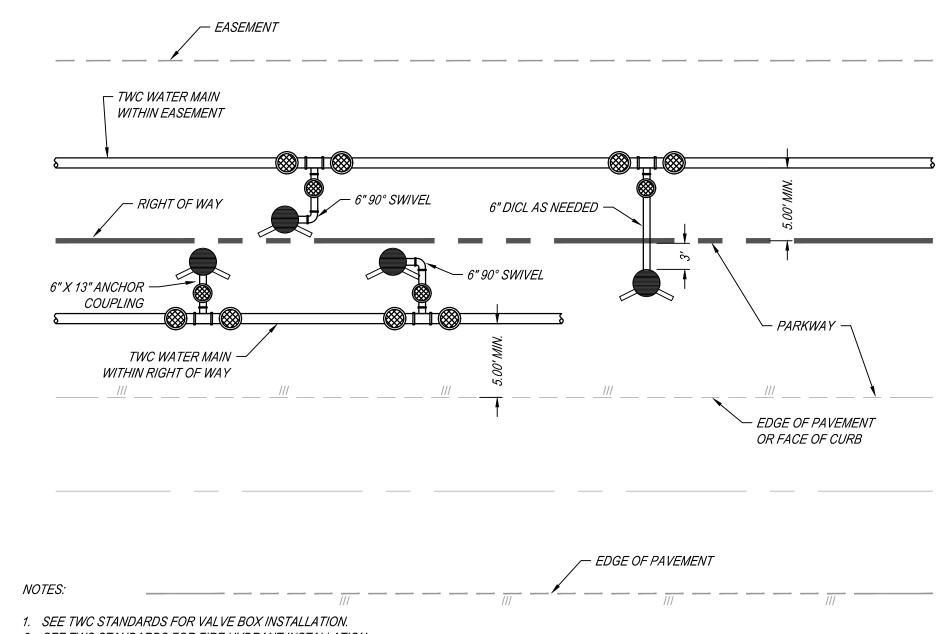


1399 Sattler Road Canyon Lake, Texas 78133 (830) 312-4600

STANDARD FIRE HYDRANT INSTALLATION

SHEET NO.

MAIN-HYD



2. SEE TWC STANDARDS FOR FIRE HYDRANT INSTALLATION

February 15, 2024

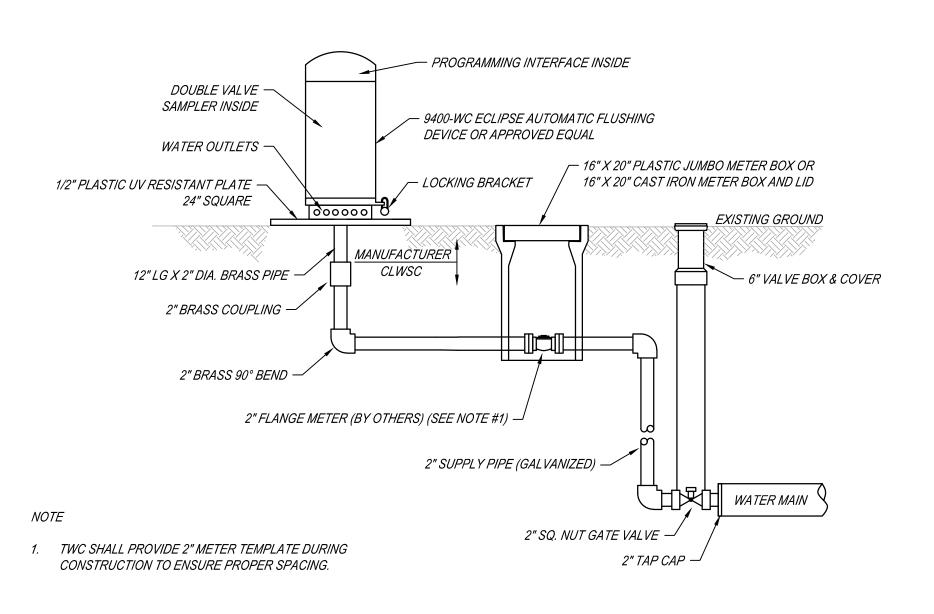


1399 Sattler Road Canyon Lake, Texas 78133 (830) 312-4600

TYPICAL FIRE HYDRANT PLACEMENTS

SHEET NO.

MAIN-HYDP





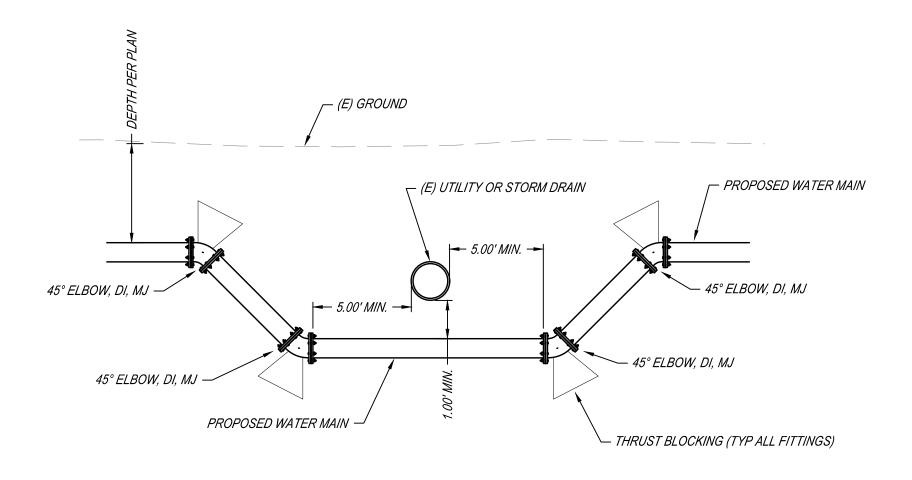
1399 Sattler Road Canyon Lake, Texas 78133 (830) 312-4600

February 15, 2024

AUTOFLUSH HYDRANT

SHEET NO.

MAIN-AFH



- 1. ALL MATERIAL SHALL BE DICL FOR WATER LOWERING.
- 2. ALL JOINTS SHALL BE RESTRAINED.

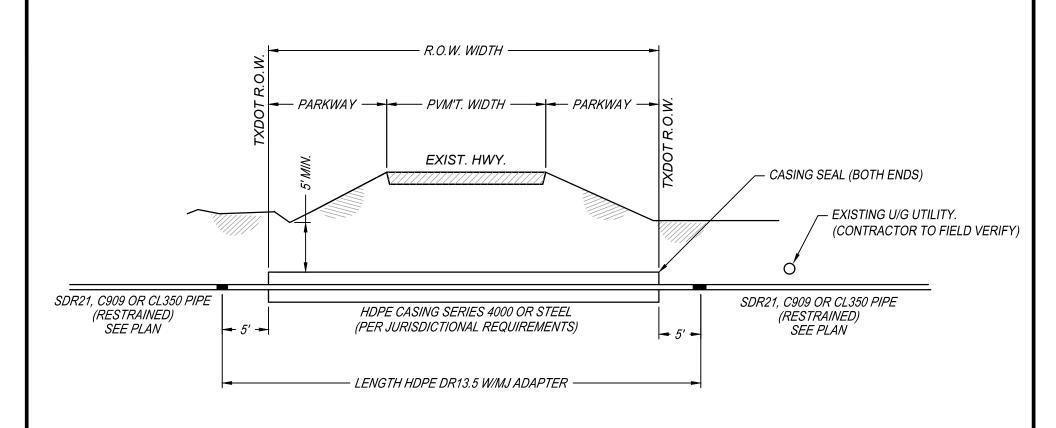


1399 Sattler Road Canyon Lake, Texas 78133 (830) 312-4600 TYPICAL WATER MAIN LOWERING - UTILITY CROSSING

SHEET NO.

MAIN-LOW

February 15, 2024



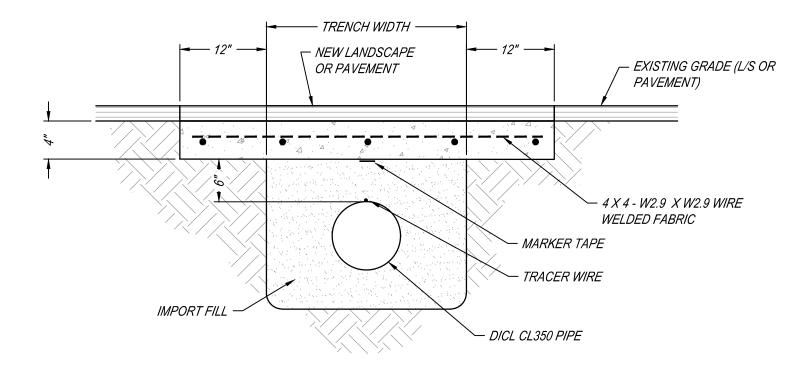
1. SEE TWC STANDARDS FOR CASING SPACER REQUIREMENTS.



1399 Sattler Road Canyon Lake, Texas 78133 (830) 312-4600 ROAD BORING AT HIGHWAY CROSSING

SHEET NO.

MAIN-BRG



1. INSTALL CONCRETE CAP WHERE MAIN IS LESS THAN 30" COVER.

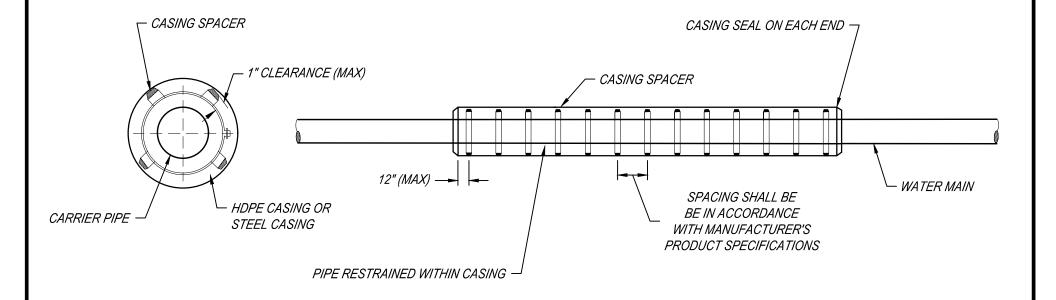


1399 Sattler Road Canyon Lake, Texas 78133 (830) 312-4600 CONCRETE CAP ON SHALLOW MAINS

SHEET NO.

February 15, 2024

MAIN-CC





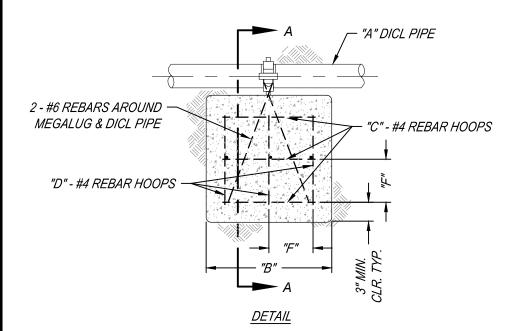
1399 Sattler Road Canyon Lake, Texas 78133 (830) 312-4600

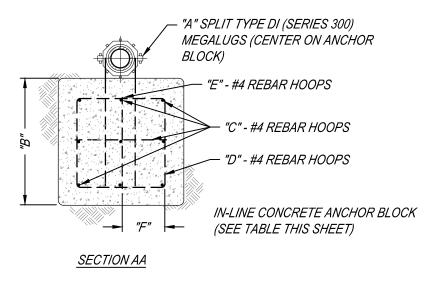
February 15, 2024

CASING DETAIL

SHEET NO.

MAIN-CSG





- 1. IN-LINE ANCHOR BLOCK SHALL BE POURED AGAINST UNDISTURBED GROUND.
- 2. APPLY TWO COATS OF SUPER TANK SOLUTION ON ALL METAL EXPOSED TO SOIL.
- ANCHOR BLOCK SIZES ARE BASED ON 150 PSI WORKING PRESSURE (SAFETY FACTOR OF 1.5) AND 2000 LBS./SQ. FT. BEARING SOIL.
- 4. CONCRETE SHALL BE KEPT CLEAR OF FLANGES, NUTS, AND BOLTS.

February 15, 2024

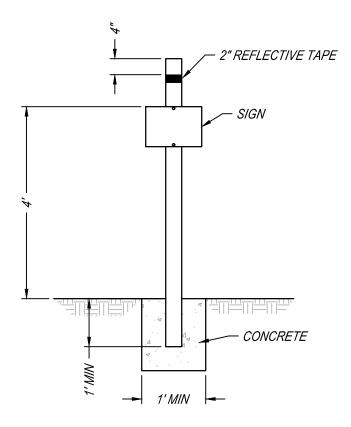
"A" NOMINAL SIZE (IN)	"B" LENGTH OF ONE SIDE OF ANCHOR BLOCK (IN)	"C" QUANTITY OF HORIZONTAL REBAR HOOPS	"D" QUANTITY OF REBAR HOOPS	"E" QUANITY OF VERTICAL REBAR HOOPS	"F" APPROX. CENTER DIS. BETWEEN REBARS (IN)
4"	30"	3	3	1	12"
6"	39"	4	4	2	11"
8"	45"	4	4	2	13"
10"	54"	5	5	3	12"
12"	60"	6	6	4	11"



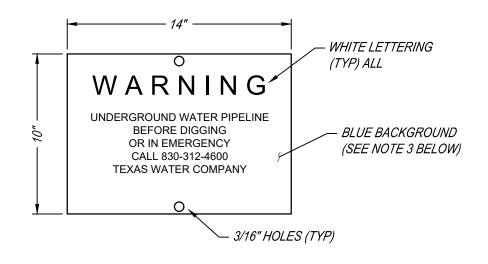
1399 Sattler Road Canyon Lake, Texas 78133 (830) 312-4600 INLINE ANCHOR BLOCK

SHEET NO.

MAIN-LAB



February 15, 2024



NOTES:

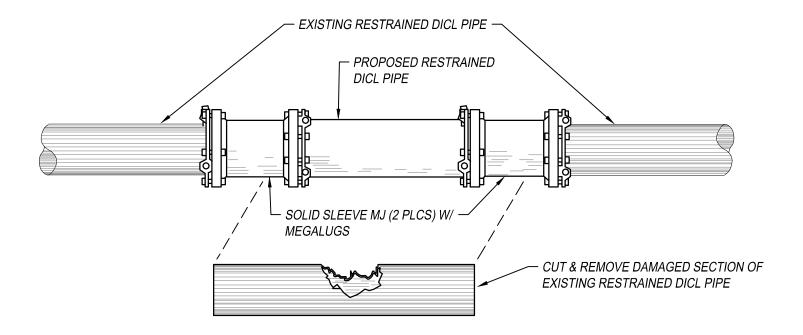
- 1. MARKERS TO BE PAINTED 0.08" THINK ALUMINUM WITH STANDARD NO DIG SYMBOL.
- 2. INSTALL MARKER POST AT LOCATIONS INDICATED ON THE PLANS OR AS DIRECTED BY TWC.
- 3. COLORS AND LABELS SHOWN ARE FOR POTABLE WATER.
 WASTEWATER BACKGROUND SHALL BE GREEN AND LABELED
 "SEWER". RECLAIMED BACKGROUND SHALL BE PURPLE AND
 LABELED "RECLAIMED"



1399 Sattler Road Canyon Lake, Texas 78133 (830) 312-4600 MARKER POST DETAL

SHEET NO.

MAIN-MP





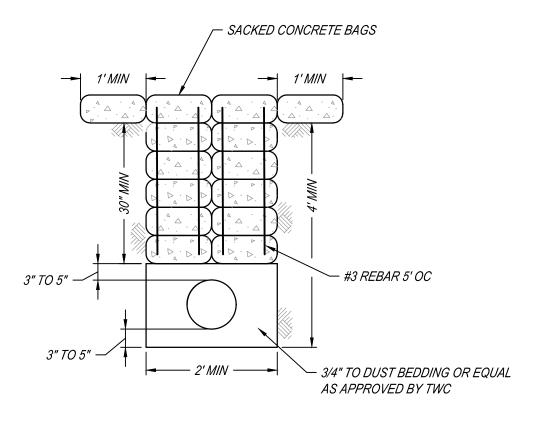
1399 Sattler Road Canyon Lake, Texas 78133 (830) 312-4600

February 15, 2024

RESTRAINED PIPE REPAIR

SHEET NO.

MAIN-RPR



- 1. DETAIL TO BE USED WHERE EXISTING SLOPE AT GRADE IS > 10%.
- 2. TOP ROW OF SACKED CONCRETE TO BE ANGLED TO DIVERT WATER TO THE DOWNWARD NATURAL CROSS SLOPE DIRECTION WHERE POSSIBLE.
- 3. PLACEMENT OF CONCRETE BAGS TO BE AT 36' TO 45' INTERVALS, MAINTAIN AT LEAST 4' CLEARANCE FROM PIPE JOINTS.



SLOPED TRENCH DETAIL

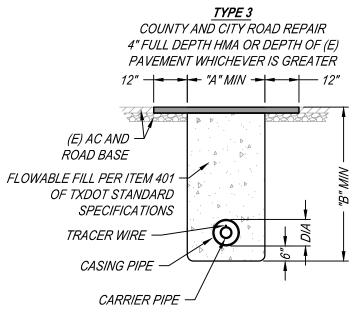
SHEET NO.

1399 Sattler Road Canyon Lake, Texas 78133 (830) 312-4600

February 15, 2024

MAIN-ST

4" FULL DEPTH HMA OR DEPTH OF (E) PAVEMENT WHICHEVER IS GREATER TYPE 2 "A" MIN → CONCRETE CAP (E) AC AND FLOWABLE FILL ROAD BASE COMPACTED SELECT COMPACTED SELECT **BACKFILL BACKFILL** 12" MARKER TAPE MARKER TAPE TRACER WIRE TRACER WIRE BEDDING MATERIAL BEDDING MATERIAL PIPE PIPE



PIPE DIA	WIDTH "A"	DEPTH "B"
4"	16"	36"
6"	18"	42"
8"	20"	44"
12"	30"	52"
16"	36"	56"
>16"	DIA + 24"	DIA + 40"

TYPE 1

- 1. SEE GENERAL NOTES CONCERNING BEDDING AND COMPACTION.
- 2. ALL TRENCHES UNDER OR WITHIN 5 FEET OF PAVEMENT OR STRUCTURES SHALL BE FILLED IN MAXIMUM 6 INCH LIFTS, COMPACTED TO 95% STANDARD PROCTOR DENSITY. TRENCHES IN OTHER AREAS TO BE COMPACTED TO THE DENSITY OF THE ADJACENT UNDISTURBED SOIL.
- 3. ALL ASPHALT MATERIAL SHALL BE TYPE C GRADATION, USING AC-10 OIL AND SHALL BE COMPACTED TO AT LEAST 97% OF MAXIMUM DENSITY.
- 4. MARKER TAPE ATTACHED TO THE TOP OF PIPE WITH DUCT TAPE.
- 5. INSULATED 12 AWG SOLID DIRECT BURIAL RATED (30 MIL POLYETHYLENE JACKET MINIMUM) COPPER TRACER WIRE SHALL BE INSTALLED ABOVE AND ALONG ALL WATER LINES.
- 6. SEE TEST STATION DETAIL FOR TRACER WIRE TERMINATION.

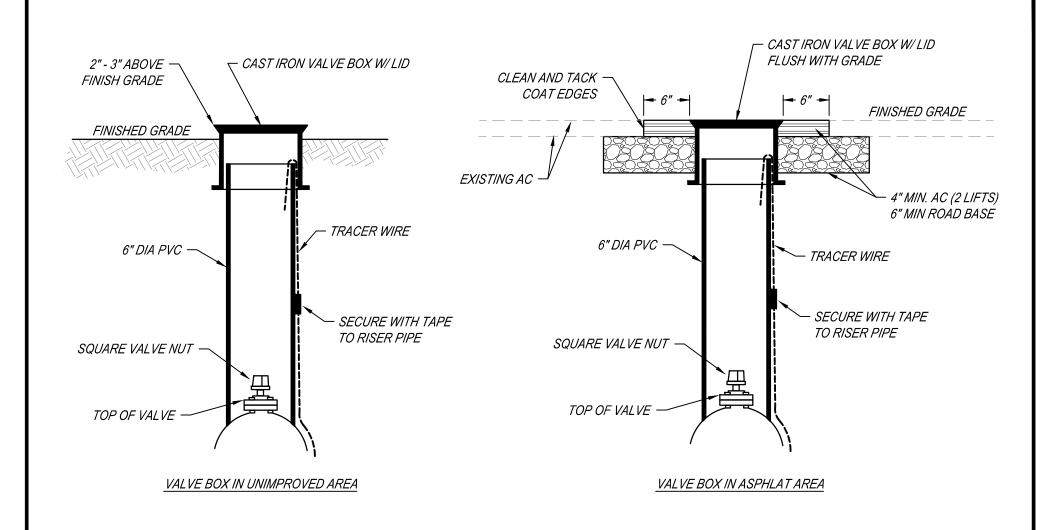


1399 Sattler Road Canyon Lake, Texas 78133 (830) 312-4600 PIPE TRENCH DETAIL

SHEET NO.

MAIN-TRN

February 15, 2024



- ALL ASPHALT MATERIAL SHALL BE TYPE C GRADATION. USING AC-10 OIL AND SHALL BE COMPACTED TO AT LEAST 97% OF MAXIMUM DENSITY.
- VALVE BOX SHALL BE CENTERED ON VALVE.

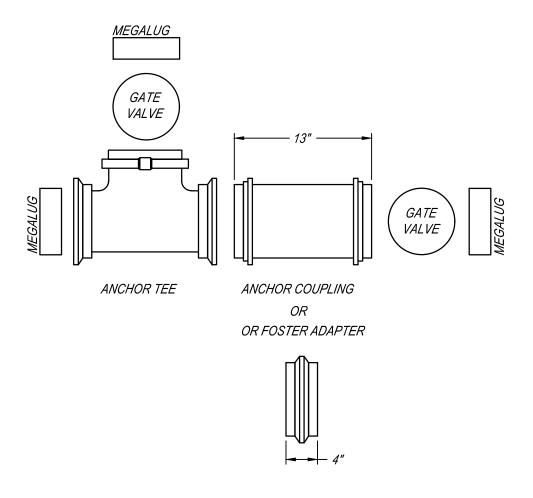


February 15, 2024

VALVE BOX INSTALLATION

SHEET NO.

MAIN-VB





1399 Sattler Road Canyon Lake, Texas 78133 (830) 312-4600 VALVE BANK INSTALLATION

SHEET NO.

MAIN-VBK

TYPICAL BLOCKING FOR 90° BEND

AREA IN SQ. FT. FOR

EACH OF THE FOLLOWING PIPE

SIZES.

2 SQ. FT. IN ROCK & 4 SQ. FT. IN OTHER SOILS AREA IN SQ. FT.

4 SQ.
ROCK
FT. IN
SOILS

6" CLASS 200

AREA IN SQ. FT.

4 SQ. FT. IN ROCK & 6 SQ. FT. IN OTHER SOILS

8" CLASS 200

AREA IN SQ. FT.

9 SQ. FT. IN ROCK & 14 SQ. FT. IN OTHER SOILS

12" CLASS 200

SQ. FT. OF BLOCKING REQUIRED FOR OTHER THAN ROCK EXCAVATION

PIPE SIZE	TEES & DEAD ENDS	90° BENDS	45° BENDS	22.5° BENDS
6"	3	4	2	1
8"	4	6	4	2
12"	10	14	8	4
16"	18	25	14	7

SQ. FT. OF BLOCKING REQUIRED FOR OTHER THAN ROCK EXCAVATION

PIPE SIZE	TEES & DEAD ENDS	90° BENDS	45° BENDS	22.5° BENDS
6"	2	2	1	1
8"	3	4	2	1
12"	6	9	5	2
16"	11	15	8	4

ON BASIS OF 200 PSI WATER PRESSURE USED FOR TESTS, THE BLOCKING REQUIRED FOR TWO TYPES OF SOILS ARE NOTED BELOW. IN ONE CASE, A SOIL PRESSURE OF 5000 PSI IS USED FOR ROCK EXCAVATION AND FOR SOILS OTHER THAN ROCK A 3000 PSI BEARING SOIL PRESSURE IS USED. THE DISTRIBUTION ON SYSTEM IS DESIGNED TO OPERATE WITH A MAXIMUM WATER PRESSURE OF 175 PSI ALL CALCULATIONS APPLY TO ALL TYPES OF PIPE APPROVED FOR USE BY TWC AND MEETING TWC SPECIFICATIONS AND STANDARDS.

TRANSIT 2500 PSI CONCRETE MIX SHALL BE USED HOWEVER FOR SMALL VOLUME REQUIREMENTS CONCRETE MIXED AT JOB SITE WILL BE ACCEPTABLE ONLY IF A CONCRETE MIXER IS USED, ALL AGGREGATE SHALL BE CLEAN AND THE FIELD MIX SHALL BE IN THE RATIO OF 1:3:4 AND CONTAIN NOT LESS THAN 4 SACKS OF CEMENT PER CUBIC YARD.

BLOCKING AREA FOR 200 PSI TESTS AND 175 PSI WORKING PRESSURE

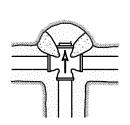
TEXAS WATER

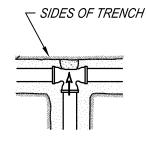
1399 Sattler Road Canyon Lake, Texas 78133 (830) 312-4600 THRUST BLOCKING

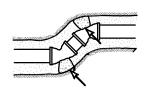
SHEET NO.

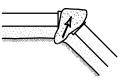
TB-HP

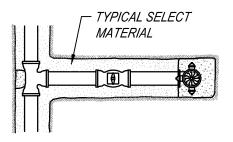
February 15, 2024



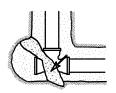


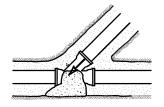


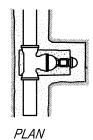


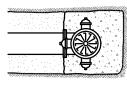




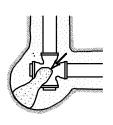


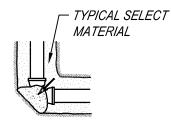




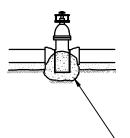


<u>PLAN</u> POUR BASE AFTER HYDRANT HAS BEEN PLACED





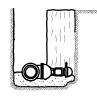
February 15, 2024



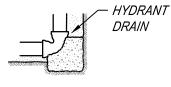
CONCRETE BLOCKING REQUIRED FOR ALL 12" & \(^\text{LARGER}\), EXCEPT IN HIGH PRESSURE

DISTRIBUTION SYSTEM WHERE BLOCKING IS

REQUIRED FOR ALL VALVES.



<u>ELEVATION</u>



ELEVATION

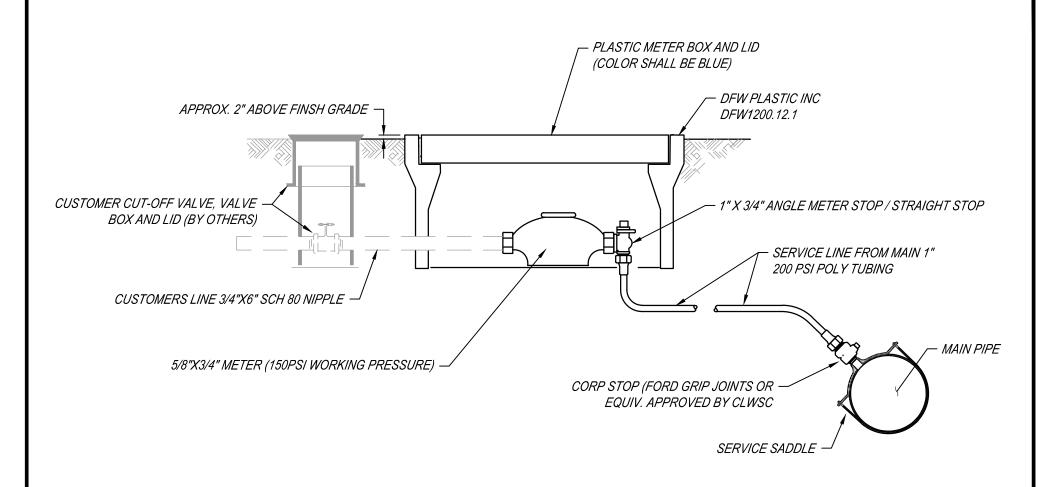
TEXAS WATER

1399 Sattler Road Canyon Lake, Texas 78133 (830) 312-4600 ,,

THRUST BLOCKING

SHEET NO.

TB-STD



- 1. SERVICE SADDLES SHALL BE WRAPPED COMPLETELY WITH 8 MIL. POLYETHYLENE FILM.
- 2. PIPING AND TUBING SHALL BE BEDDED IN GRANULAR MATERIALS AS REQUIRED IN THE SPECIFICATIONS.
- 3. METERS SUPPLIED BY TWC.

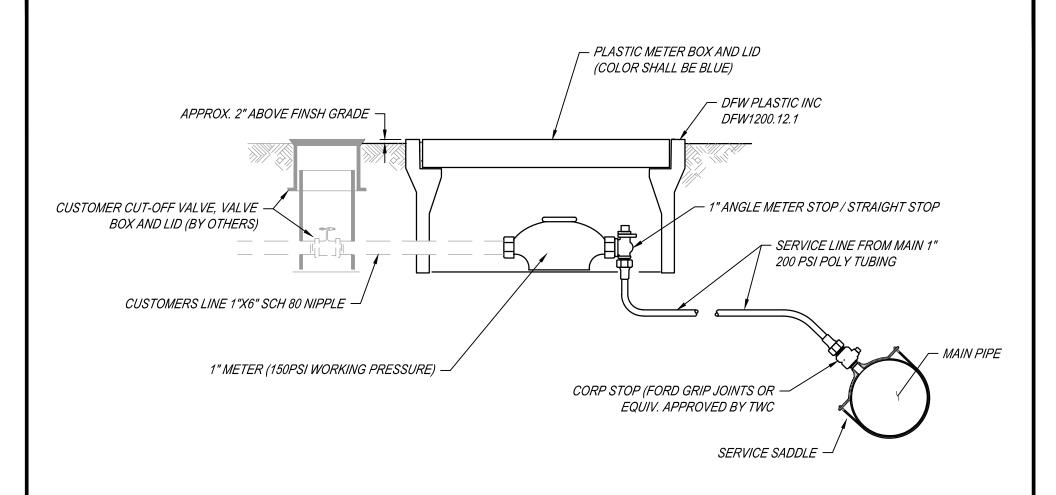


1399 Sattler Road Canyon Lake, Texas 78133 (830) 312-4600 5/8" OR 3/4" SERVICE

SHEET NO.

SER-58-34

February 15, 2024



1. SERVICE SADDLES SHALL BE WRAPPED COMPLETELY WITH 8 MIL. POLYETHYLENE FILM.

February 15, 2024

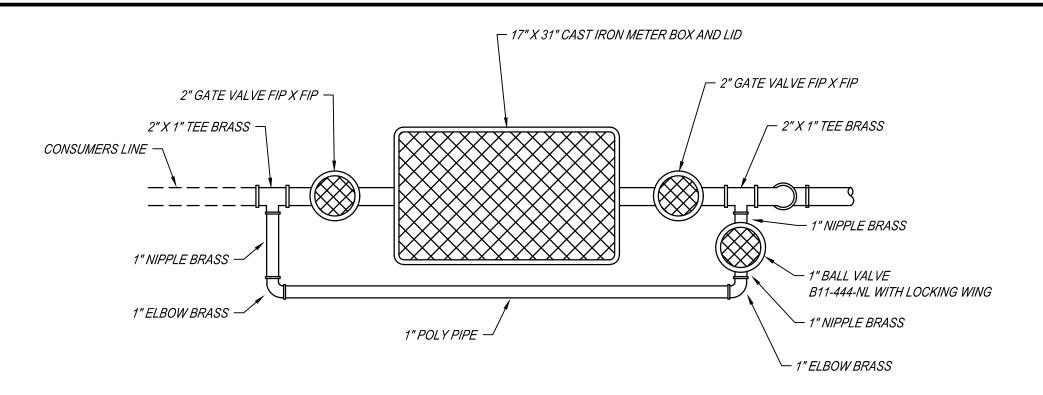
- 2. PIPING AND TUBING SHALL BE BEDDED IN GRANULAR MATERIALS AS REQUIRED IN THE SPECIFICATIONS.
- 3. METERS SUPPLIED BY TWC.

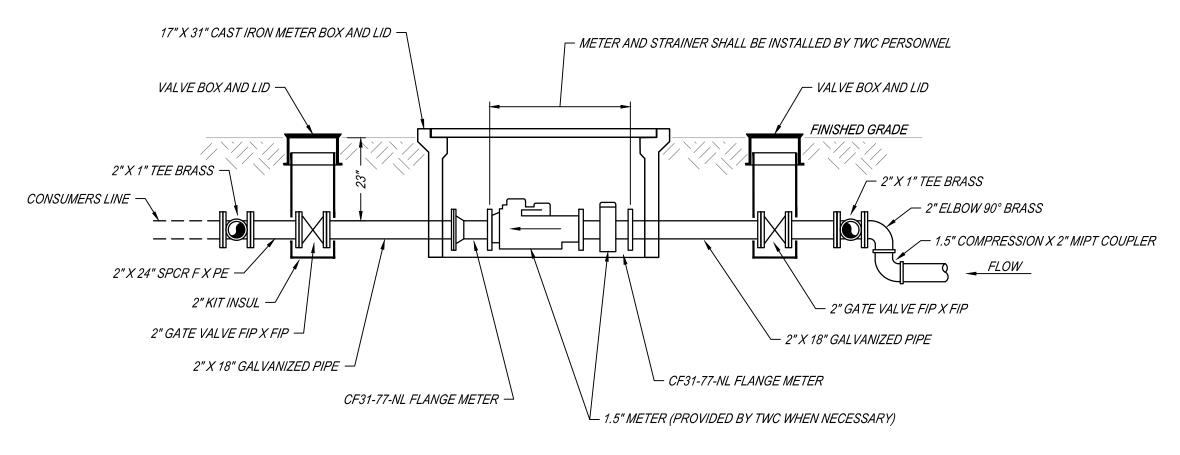


1399 Sattler Road Canyon Lake, Texas 78133 (830) 312-4600 1" SERVICE

SHEET NO.

SER-1





USE TRAFFIC RATED BOXES FOR METERS INSTALLED WITHIN DRIVEWAYS OR SIDEWALKS.

February 15, 2024

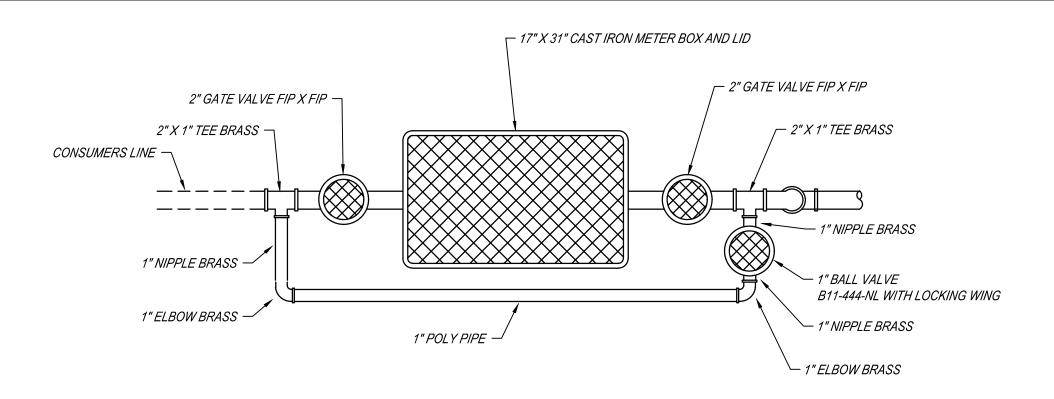
2. METER SUPPLIED BY TWC.

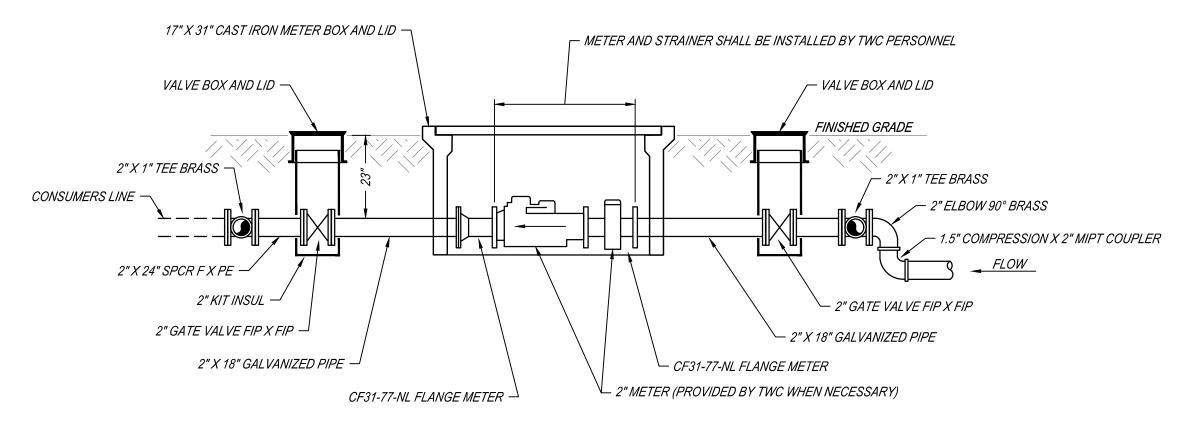


1.5" SERVICE WITH BYPASS

SHEET NO.

SER-1.5B





- USE TRAFFIC RATED BOXES FOR METERS INSTALLED WITHIN DRIVEWAYS OR SIDEWALKS.
- METER SUPPLIED BY TWC.

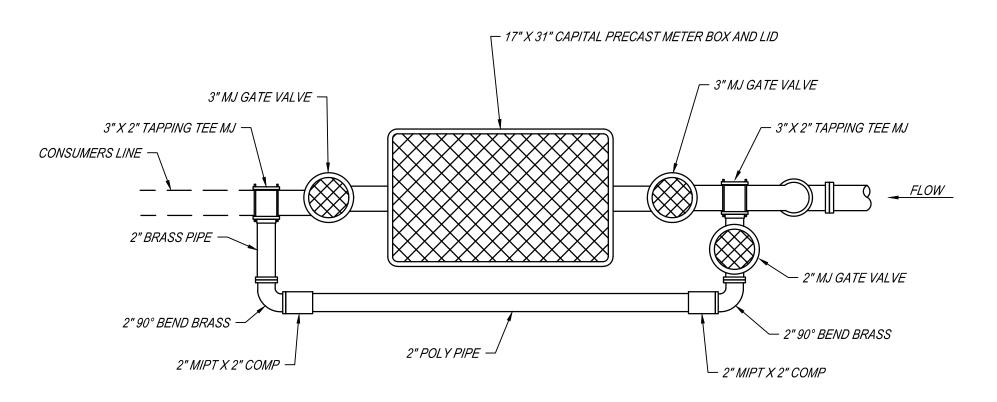


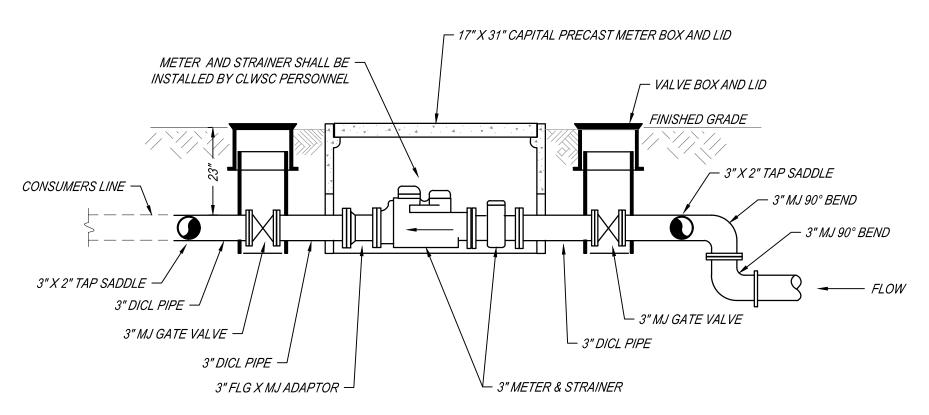
1399 Sattler Road Canyon Lake, Texas 78133 (830) 312-4600

2" SERVICE WITH BYPASS



SER-2B





1. USE TRAFFIC RATED BOXES FOR METERS INSTALLED WITHIN DRIVEWAYS OR SIDEWALKS.

February 15, 2024

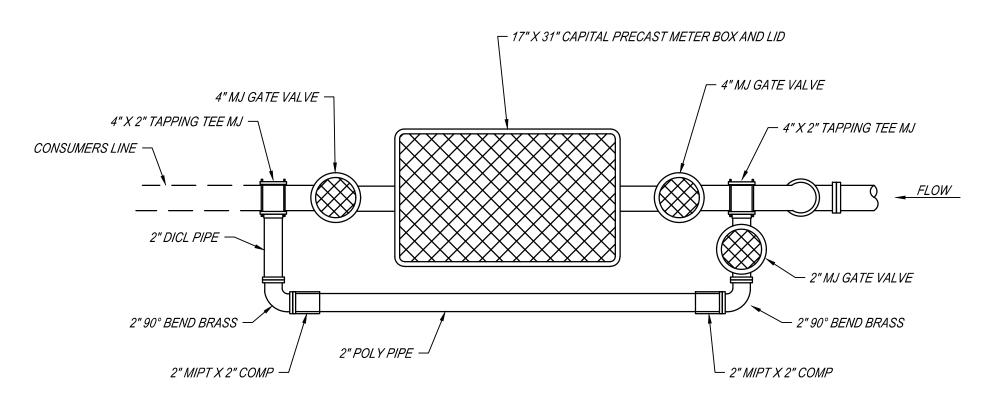
2. METER SUPPLIED BY TWC.

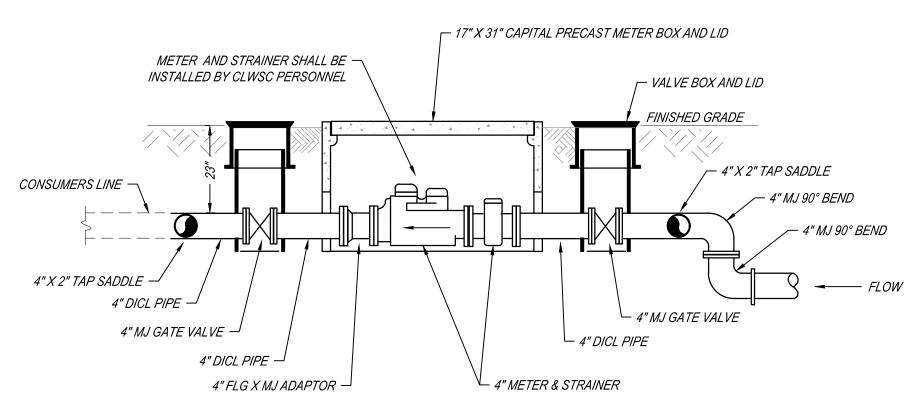


1399 Sattler Road Canyon Lake, Texas 78133 (830) 312-4600 3" SERVICE WITH BYPASS

SHEET NO.

SER-3B





1. USE TRAFFIC RATED BOXES FOR METERS INSTALLED WITHIN DRIVEWAYS OR SIDEWALKS.

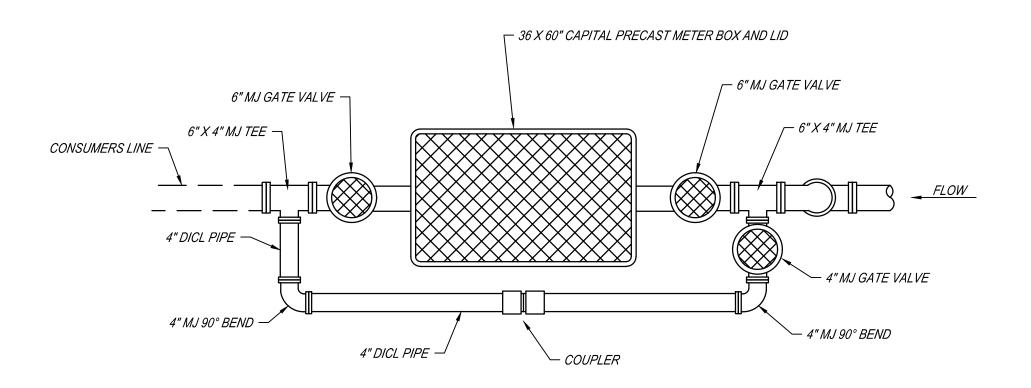
February 15, 2024

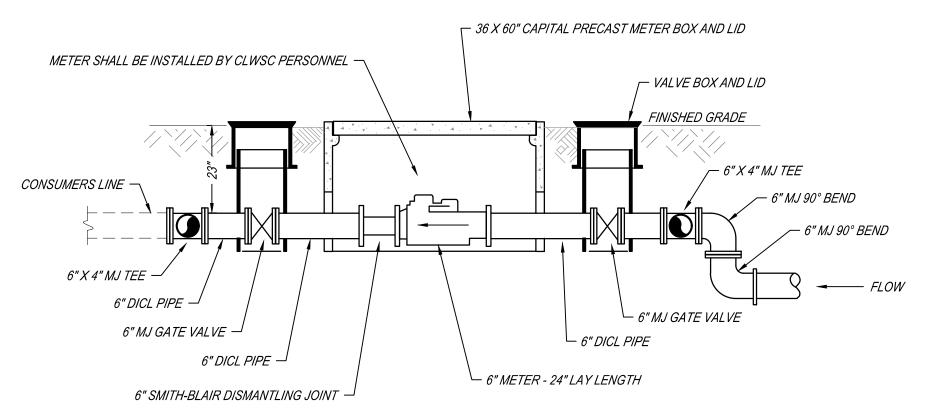
2. METER SUPPLIED BY TWC.



1399 Sattler Road Canyon Lake, Texas 78133 (830) 312-4600 4" SERVICE WITH BYPASS

SHEET NO.





1. USE TRAFFIC RATED BOXES FOR METERS INSTALLED WITHIN DRIVEWAYS OR SIDEWALKS.

February 15, 2024

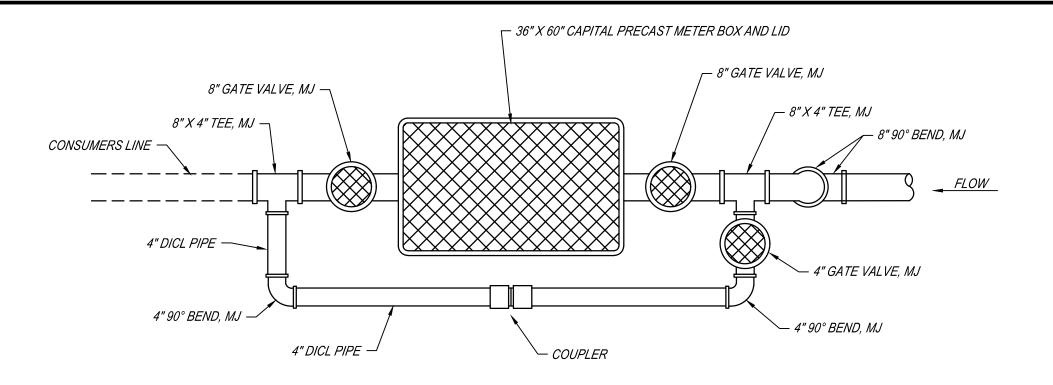
2. METER SUPPLIED BY TWC.

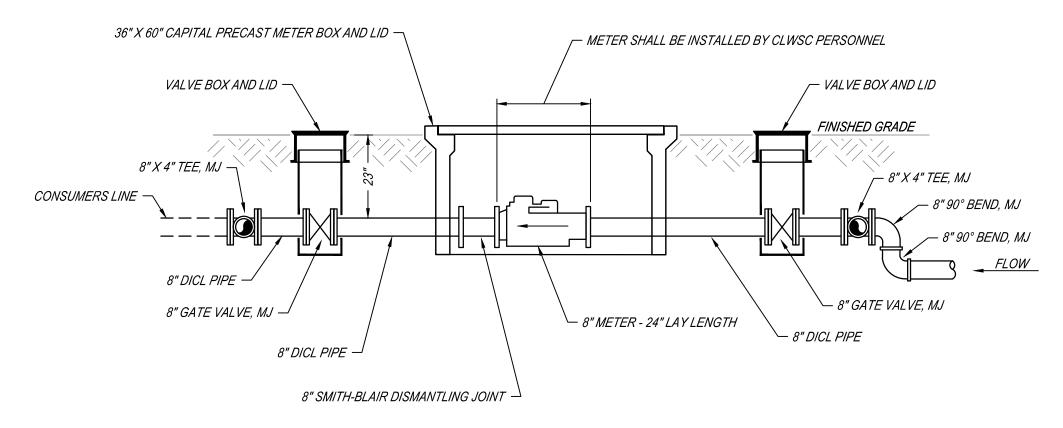


6" SERVICE WITH BYPASS

SHEET NO.

SER-6B



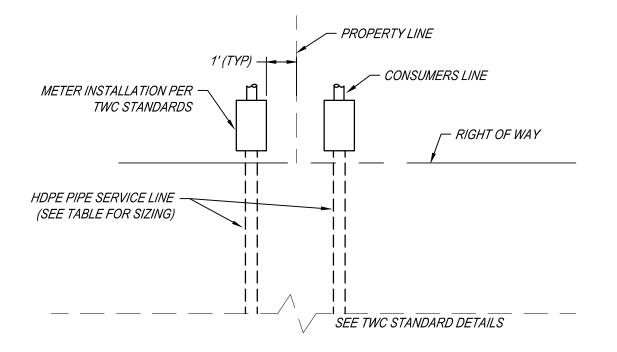


- 1. USE TRAFFIC RATED BOXES FOR METERS INSTALLED WITHIN DRIVEWAYS OR SIDEWALKS.
- 2. METER SUPPLIED BY TWC.



1399 Sattler Road Canyon Lake, Texas 78133 (830) 312-4600 8" SERVICE WITH BYPASS

SHEET NO.



- 1) ALL HDPE SERVICE PIPE SHALL BE 200 PSI SDR9 CTS.
- 2) ALL METERS SHALL BE PLACED WITHIN EASEMENT OR EXISTING CITY/COUNTY RIGHT OF WAY.

February 15, 2024

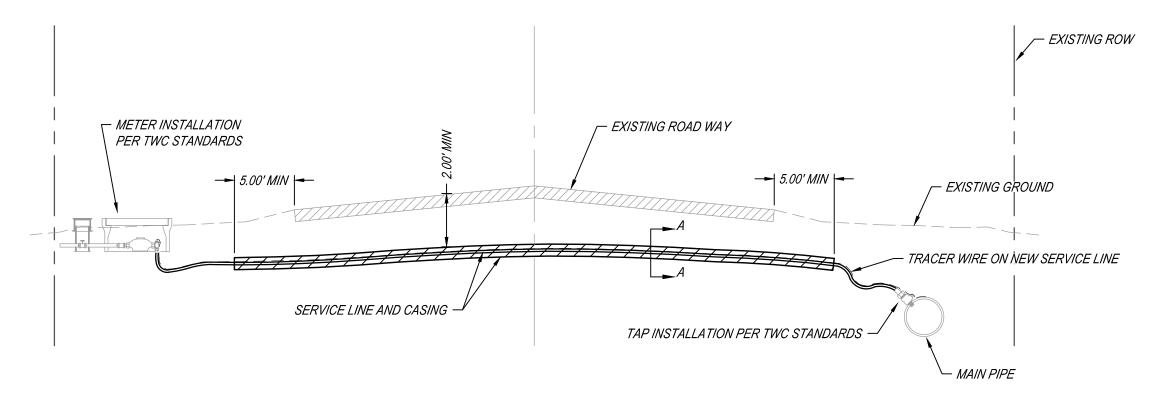
SERVICE SIZING							
HDPE PIPE SIZE	METER SIZE						
1"	5/8" / 3/4"						
1"	1"						

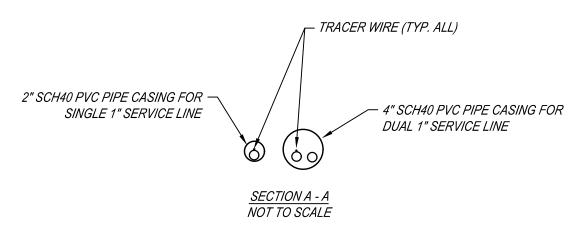
T	E	X		Д	S	+	WATER
C	0	M	P	A	N	Y	

1399 Sattler Road Canyon Lake, Texas 78133 (830) 312-4600 TYPICAL DUAL SERVICE INSTALLATION

SHEET NO.

SER-DUAL



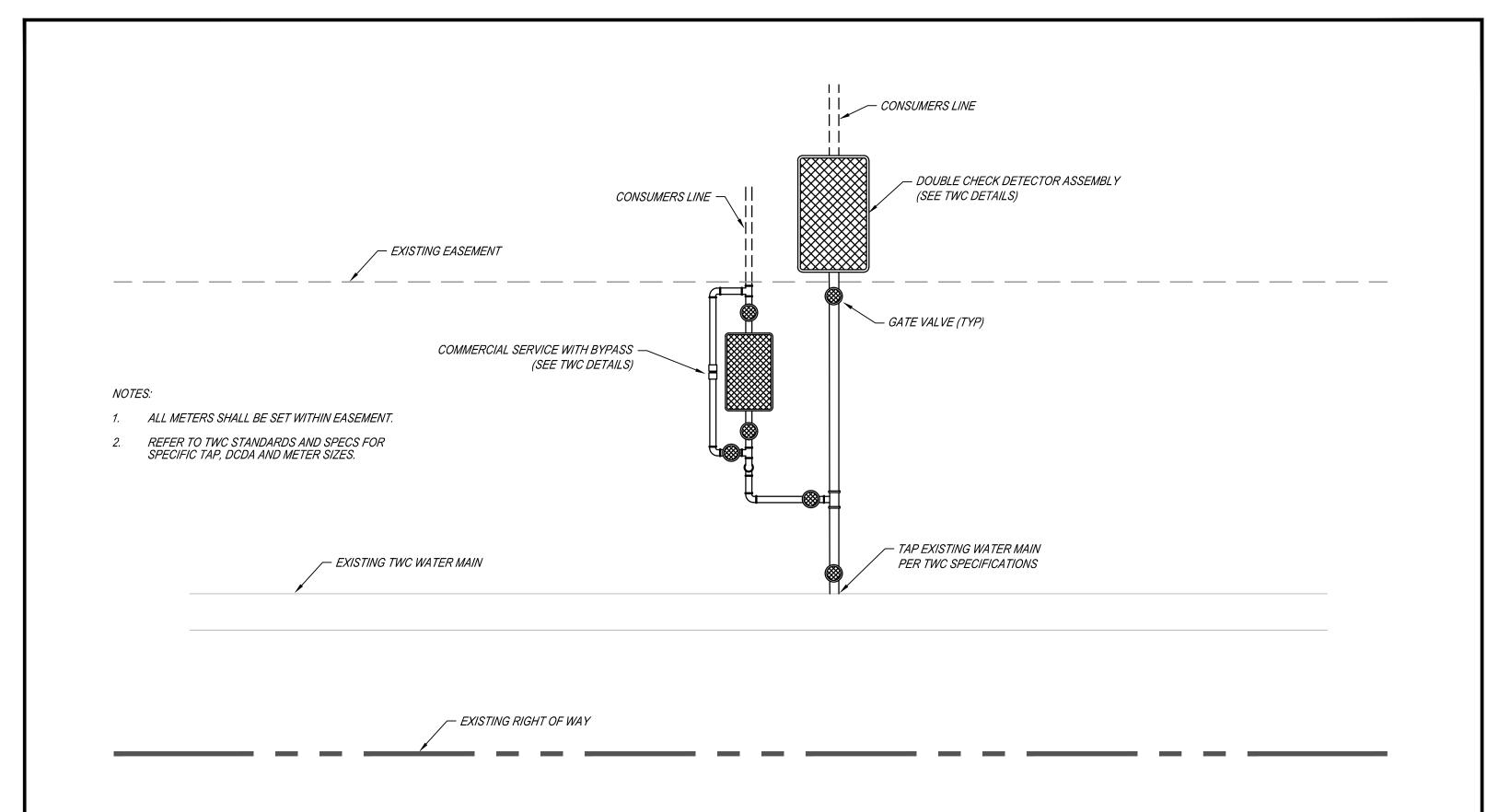


- 1) ALL HDPE SERVICE PIPE SHALL BE 200 PSI.
- ALL METERS SHALL BE PLACED WITHIN EASEMENT OR EXISTING CITY/COUNTY RIGHT OF WAY.



LONG SERVICE

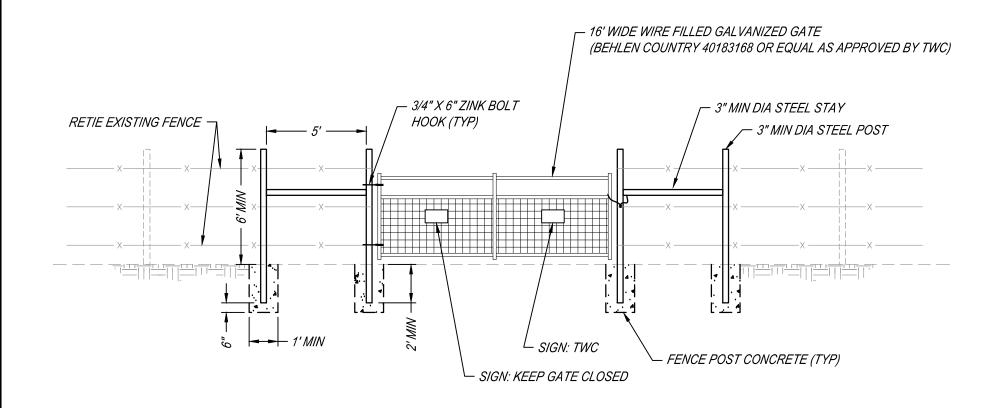
SHEET NO.





SHEET NO.

SER-FCSL



- 1. LOCK TO BE FURNISHED BY TWC.
- 2. ALL STEEL POST SHALL BE PRIMED AND FINISH PAINTED WHITE.



1399 Sattler Road Canyon Lake, Texas 78133 (830) 312-4600 TYPICAL 16 FT WIDE GATE

SHEET NO.

GATE-16

February 15, 2024