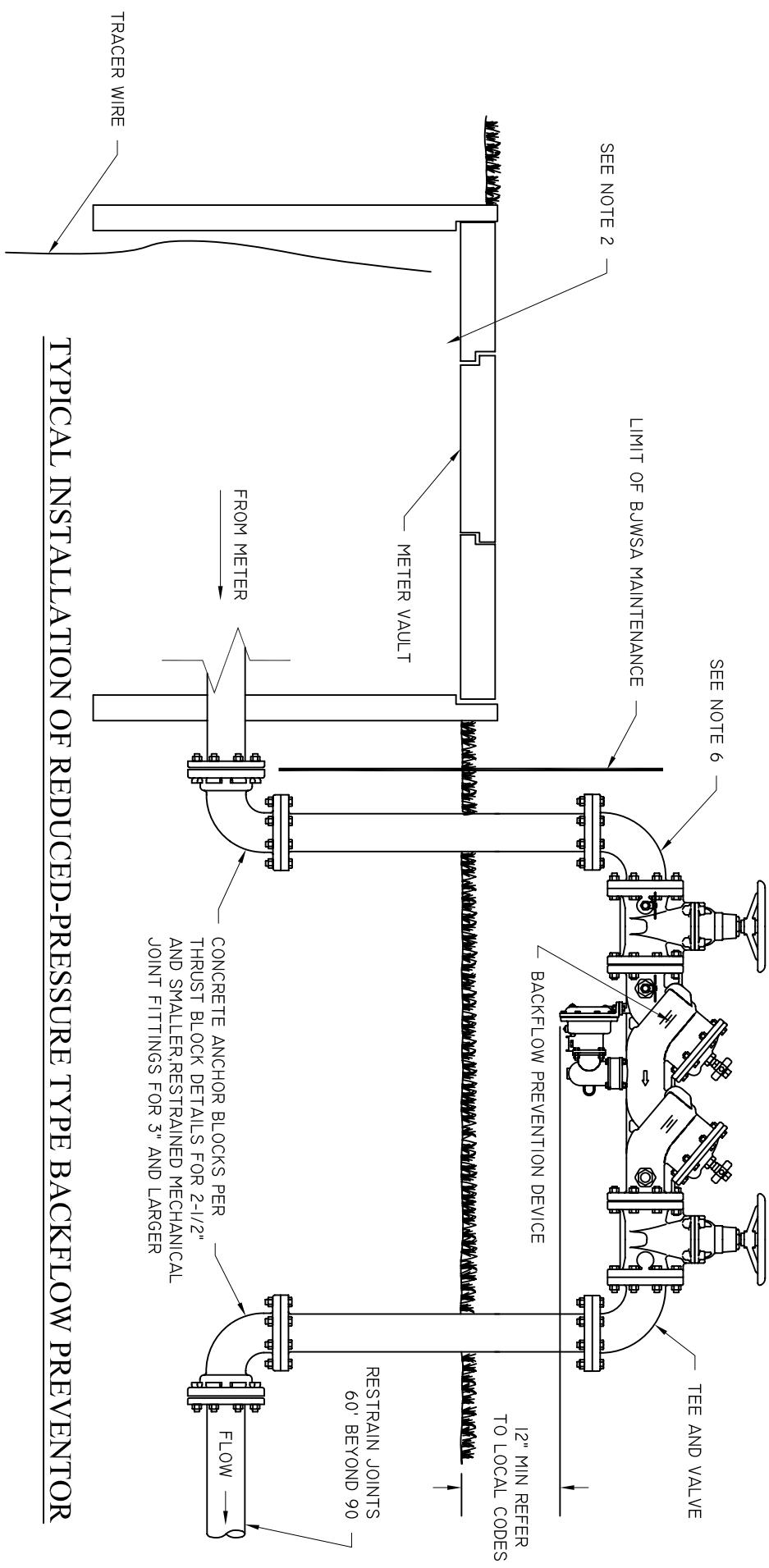


APPENDIX C – WATER STANDARD DETAIL DRAWINGS

<u>DRAWING NUMBER</u>	<u>TITLE</u>
W-01	Backflow Prevention Detail
W-02	Blow-off Hydrant Detail
W-03	Fire Hydrant - Standard
W-04	Fire Hydrant Detail – Under Ditch
W-05	Jumper Connection Ditch
W-06	Meter Vault Detail - Large
W-07	Water Line Crossing Detail
W-08	Water Service – Plan View
W-09	Water Service Profile
W-10	Water Sampling Station
W-11	Meter Bank Detail; 6 Meter Max



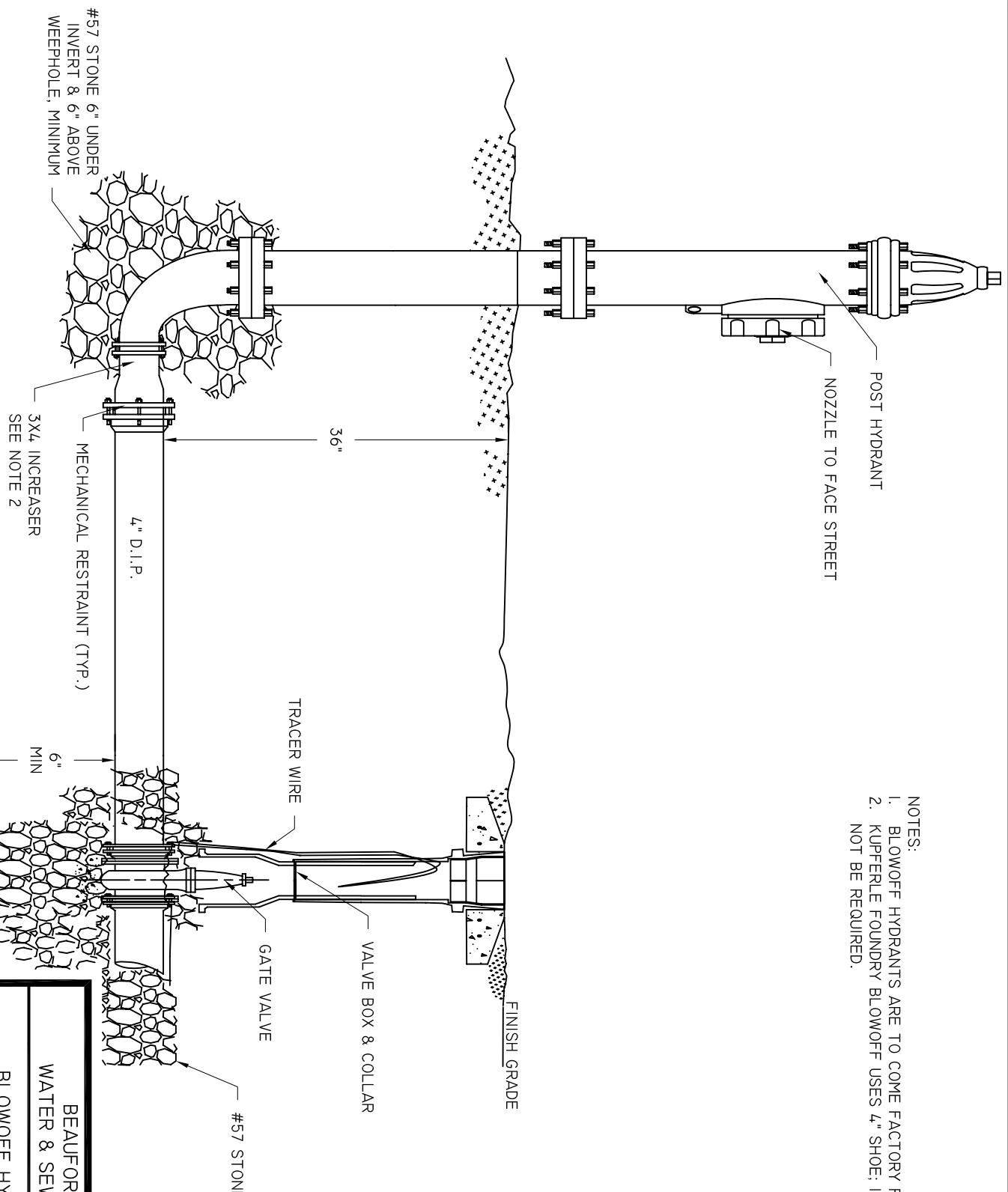
TYPICAL INSTALLATION OF REDUCED-PRESSURE TYPE BACKFLOW PREVENTOR

NOTES:

1. REDUCED-PRESSURE BACKFLOW PREVENTION DEVICES SHALL BE REQUIRED FOR ANY SERVICE WHERE TOXIC MATERIALS ARE USED OR WHERE POSITIVE PROTECTION FOR THE PUBLIC WATER SUPPLY IS REQUIRED. TYPICAL APPLICATIONS INCLUDE: HOSPITALS, MEDICAL & DENTAL LABS, MORTUARIES, INDUSTRIAL PLANTS, DRY CLEANERS, IRRIGATION SYSTEMS, OR AS DETERMINED BY BJWSA.
2. SEE SPECIFIC METER DETAIL FOR MORE INFORMATION.
3. BACKFLOW PREVENTION DEVICES SHALL BE INSTALLED ADJACENT TO AND ON PROPERTY SIDE OF SIDEWALK WHERE APPLICABLE. WHERE NO SIDEWALKS EXISTS, THE ASSEMBLY SHALL BE INSTALLED BEFORE ANY BRANCH AND AS CLOSE AS POSSIBLE TO THE WATER METER LOCATION. FINAL LOCATION TO BE APPROVED BY BJWSA PRIOR TO INSTALLATION.
4. SCREENING AND LANDSCAPING PLACES AROUND DEVICE SHALL ALLOW FOR ACCESS BY BJWSA PERSONNEL.
5. FREEZE PROTECTION IS THE OWNERS RESPONSIBILITY.
6. PIPING AND FITTINGS THROUGH 2 $\frac{1}{2}$ " SHALL BE SCHD 40 GALVANIZED STEEL. PIPING AND FITTINGS 3" AND LARGER SHALL BE FLANGED DUCTILE IRON.
7. REFER TO SCDHEC APPROVED LIST OF BACKFLOW PREVENTION DEVICES.
8. DUAL CHECK VALVES MAY BE INSTALLED IN UNDERGROUND VAULT (PRIOR APPROVAL BY BJWSA REQUIRED).

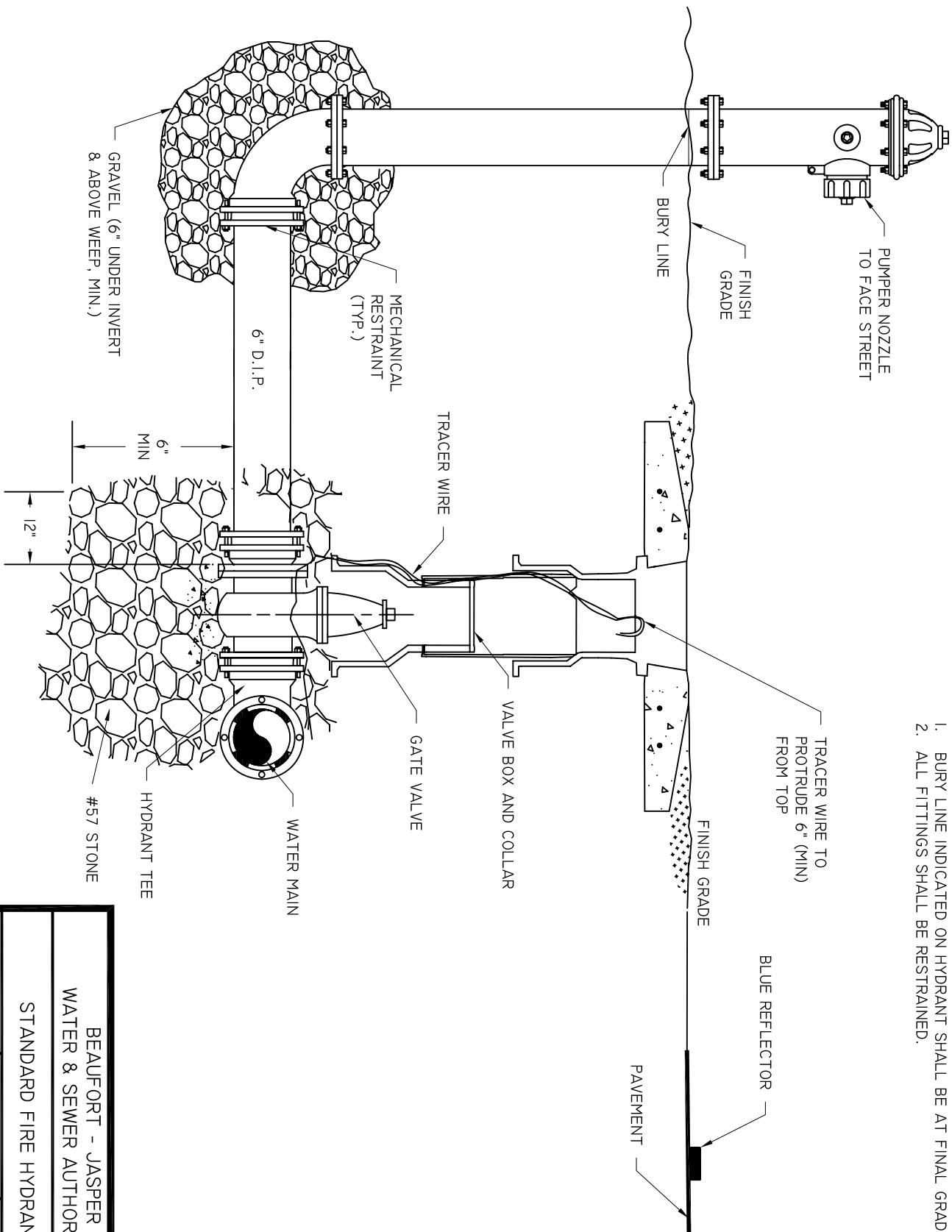
BEAUFORT - JASPER
WATER & SEWER AUTHORITY
BACKFLOW PREVENTION DETAIL

DATE 07/01/09	DRAWN BY BMC	DRAWING # W-01
SCALE N.T.S.	APPROVED BY ERS	



DATE 07/01/09	DRAWN BY BMC	DRAWING # W-02
SCALE N.T.S.	APPROVED BY ERS	

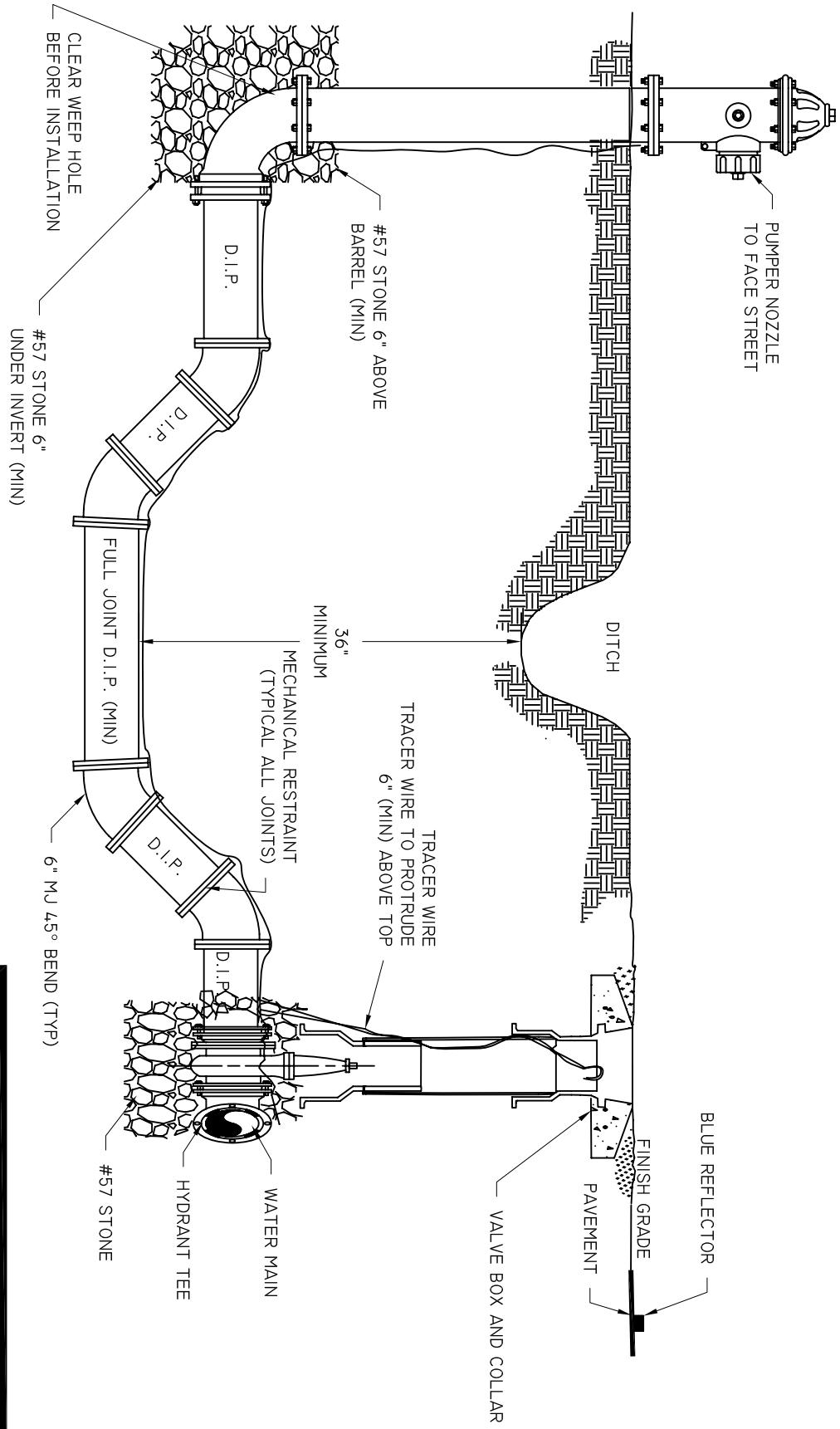
NOTES:
 1. BURY LINE INDICATED ON HYDRANT SHALL BE AT FINAL GRADE.
 2. ALL FITTINGS SHALL BE RESTRAINED.



DATE 07/01/09	DRAWN BY BMC	DRAWING # W-03
SCALE N.T.S.	APPROVED BY ERS	

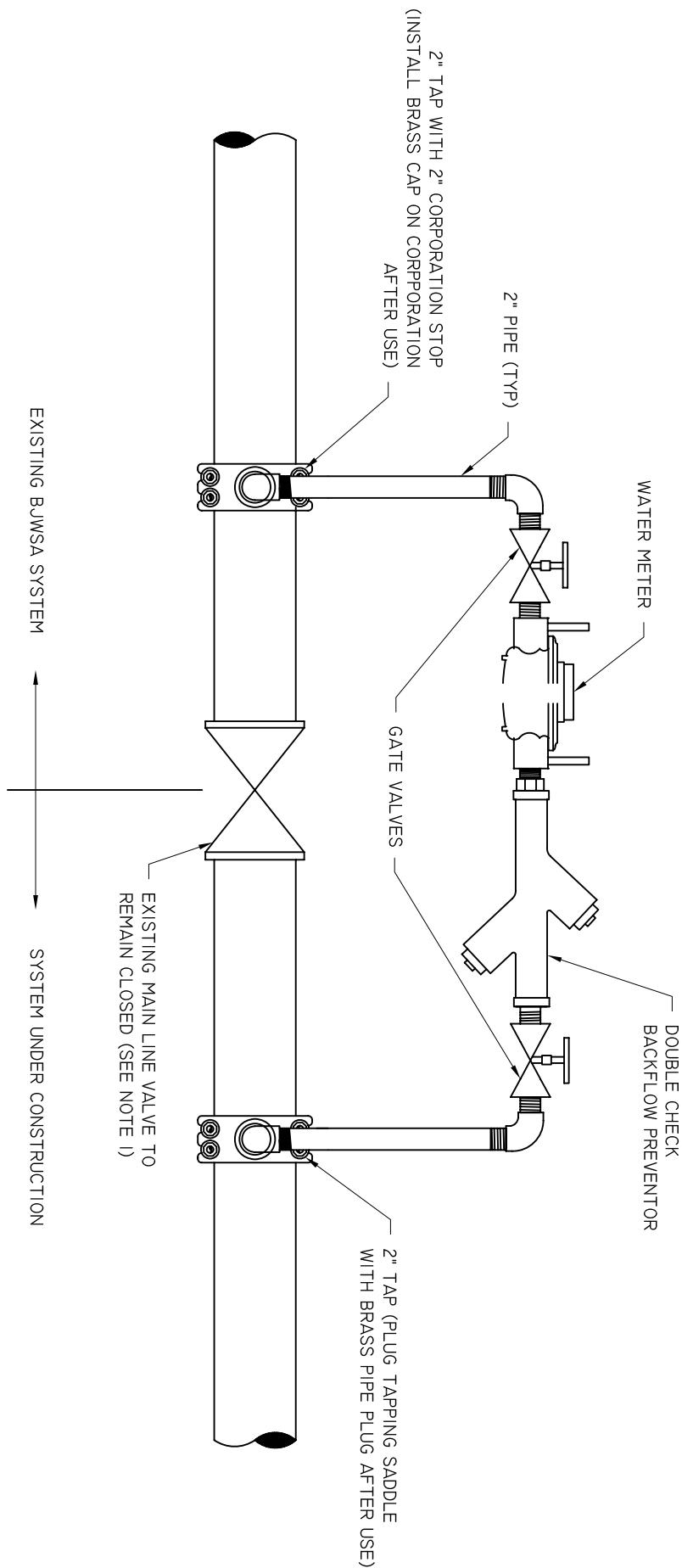
BEAUFORT - JASPER
WATER & SEWER AUTHORITY
STANDARD FIRE HYDRANT

NOTES:
 1. BURY LINE INDICATED ON HYDRANT SHALL BE AT FINAL GRADE.
 2. ALL FITTINGS SHALL BE RESTRAINED.



BEAUFORT - JASPER
WATER & SEWER AUTHORITY
FIRE HYDRANT DETAIL UNDER DITCH

DATE 07/01/09	DRAWN BY BMC	DRAWING # W-04
SCALE N.T.S.	APPROVED BY ERS	



NOTES:

1. MAIN LINE VALVE SHALL REMAIN CLOSED AT ALL TIMES UNTIL PERMIT TO OPERATE IS ISSUED BY SC DHEC. MAINLINE VALVE SHALL ONLY BE OPERATED BY BJWSA PERSONNEL. VIOLATION OF THIS POLICY IS PUNISHABLE BY A FINE OF NOT LESS THAN \$500 PLUS ESTIMATED WATER USAGE AND POSSIBLE CRIMINAL PROSECUTION.
2. ALL WATERLINE EXTENSIONS MUST CONTAIN A JUMPER CONNECTION FOR FILLING/CHLORINATION REQUIREMENTS.
3. METER AND BACKFLOW ASSEMBLY MUST BE OBTAINED FROM BJWSA.
4. TAPPING SADDLES AND CORPORATION STOPS SHALL COMPLY WITH BJWSA SPECIFICATIONS.
5. ALL TAPS ON MAINLINE SHALL BE HORIZONTAL.

BEAUFORT - JASPER
WATER & SEWER AUTHORITY

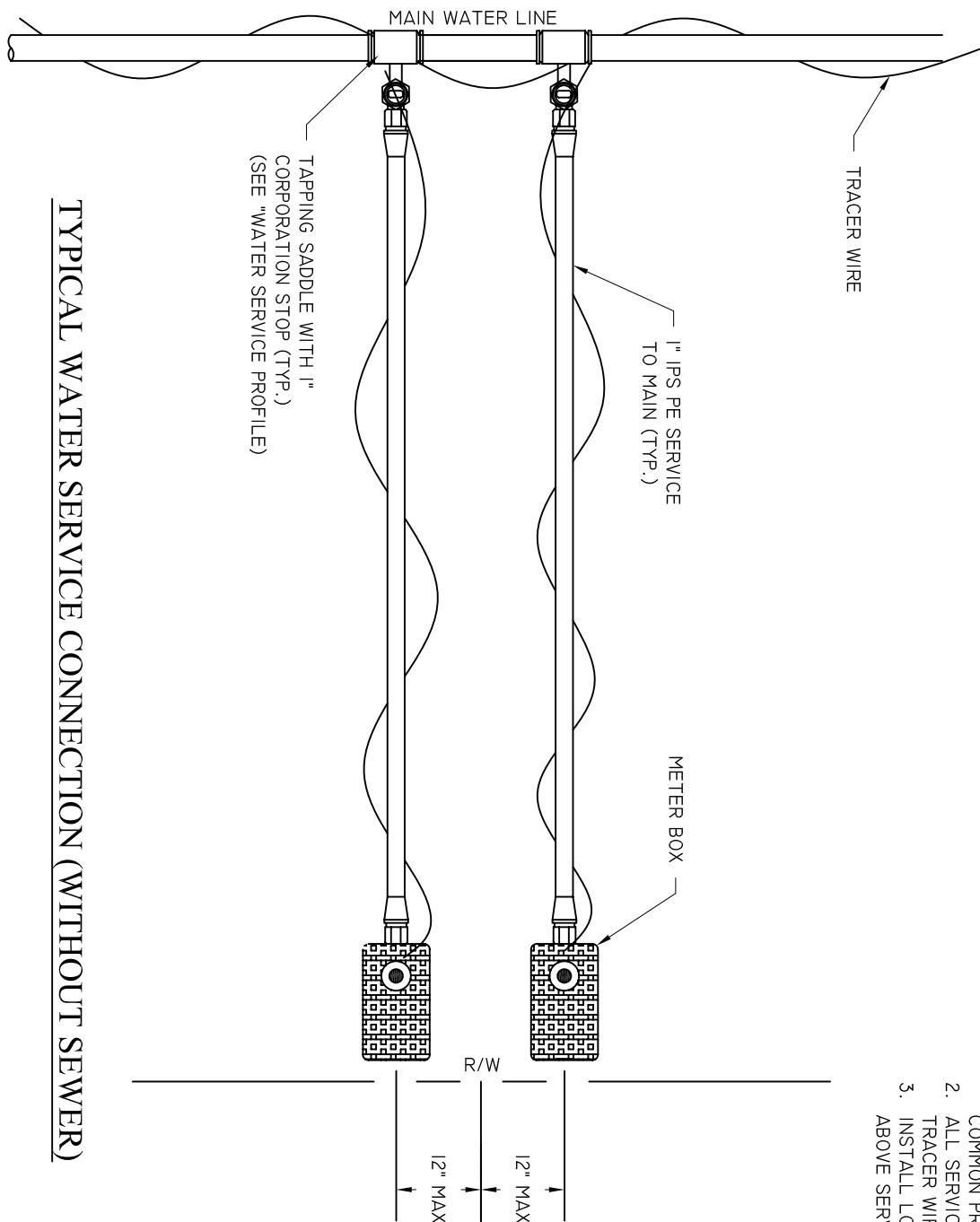
JUMPER CONNECTION DETAIL

DATE	DRAWN BY	APPROVED BY	DRAWING #
07/01/09	BJMC	ERS	W-05

BEAUFORT - JASPER
WATER & SEWER AUTHORITY

RESERVED

DATE	07/01/09	DRAWN BY	BMC	DRAWING #	
SCALE	N.T.S.	APPROVED BY	ERS	W-07	



TYPICAL WATER SERVICE CONNECTION (WITHOUT SEWER)

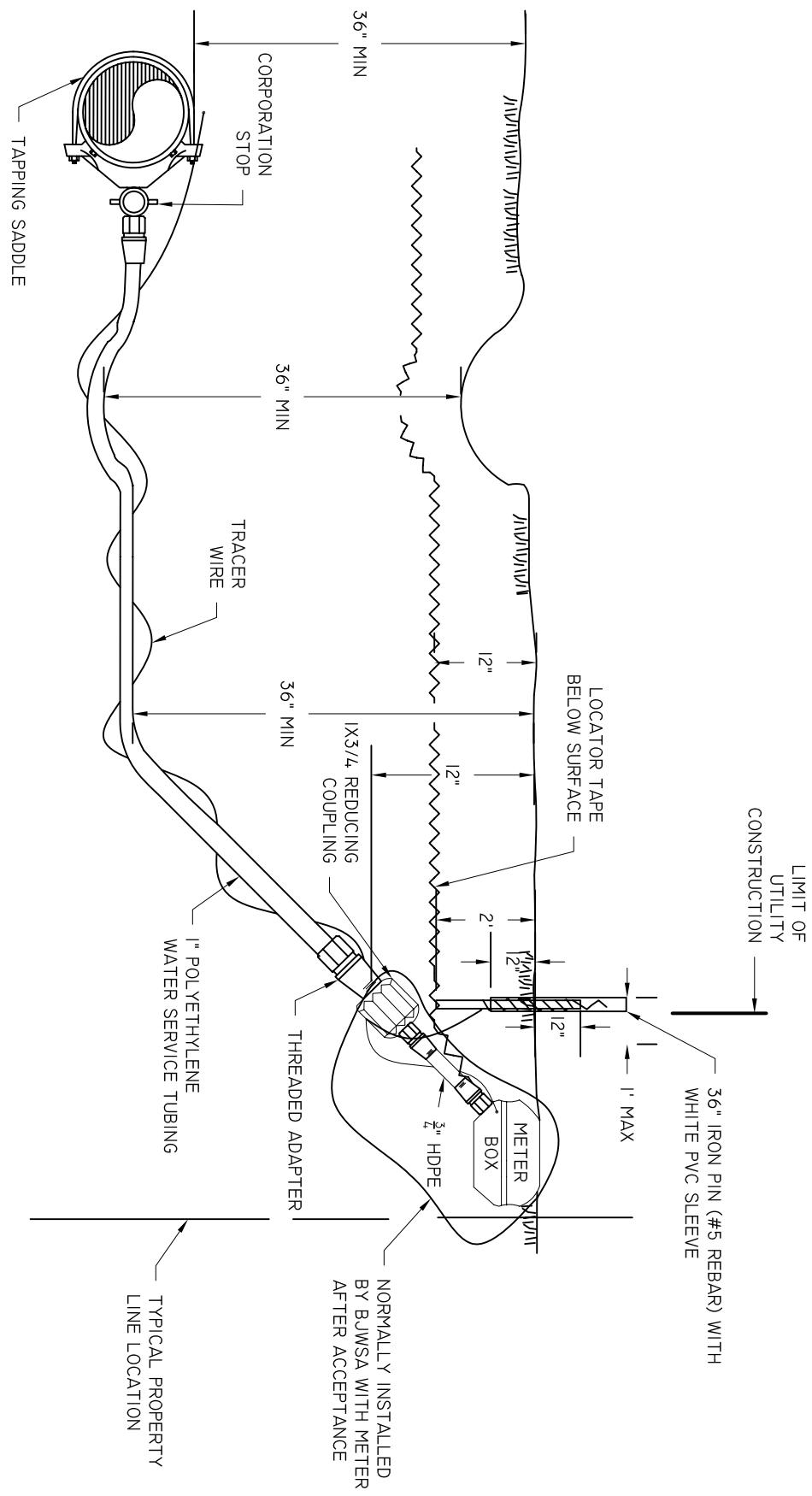
NOTES:

1. WATER SERVICES SHALL BE INSTALLED TO COMMON PROPERTY LINES, WHERE POSSIBLE.
2. ALL SERVICE PIPING SHALL BE WRAPPED WITH TRACER WIRE AND TERMINATED WITHIN METER BOX.
3. INSTALL LOCATOR TAPE 1' BELOW SURFACE ABOVE SERVICE LINE.

BEAUFORT - JASPER WATER & SEWER AUTHORITY	
WATER SERVICE PLAN VIEW	
DATE 07/01/09	DRAWN BY BMC
SCALE N.T.S.	APPROVED BY ERS

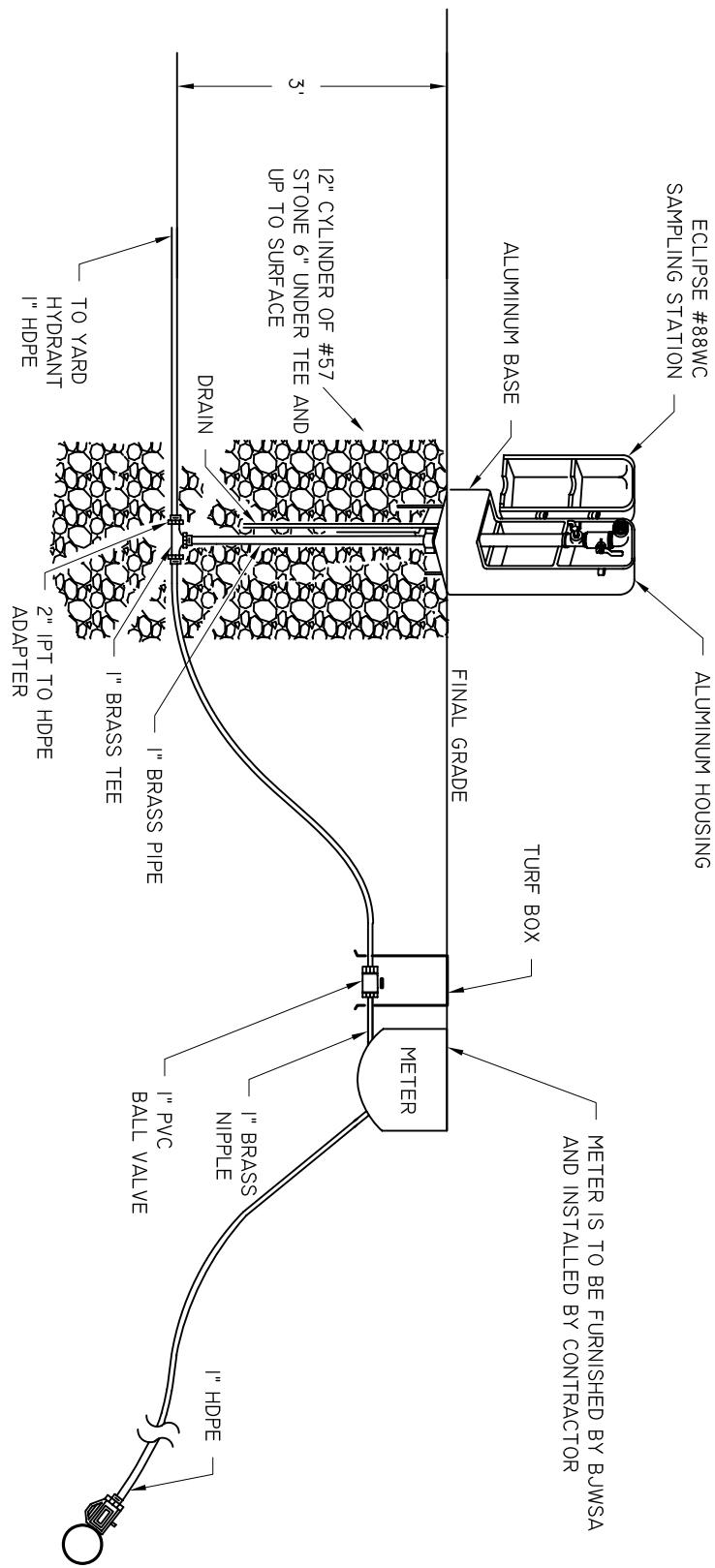
W-08

DRAWING #



BEAUFORT - JASPER
WATER & SEWER AUTHORITY
WATER SERVICE PROFILE

DATE 07/01/09	DRAWN BY BMC	DRAWING # W-09
SCALE N.T.S.	APPROVED BY ERS	



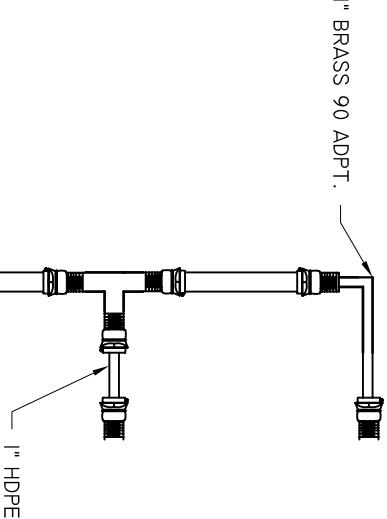
DATE 07/01/09	DRAWN BY BMC	DRAWING # W-10
SCALE N.T.S.	APPROVED BY ERS	

BEAUFORT - JASPER
WATER & SEWER AUTHORITY
WATER SAMPLING STATION

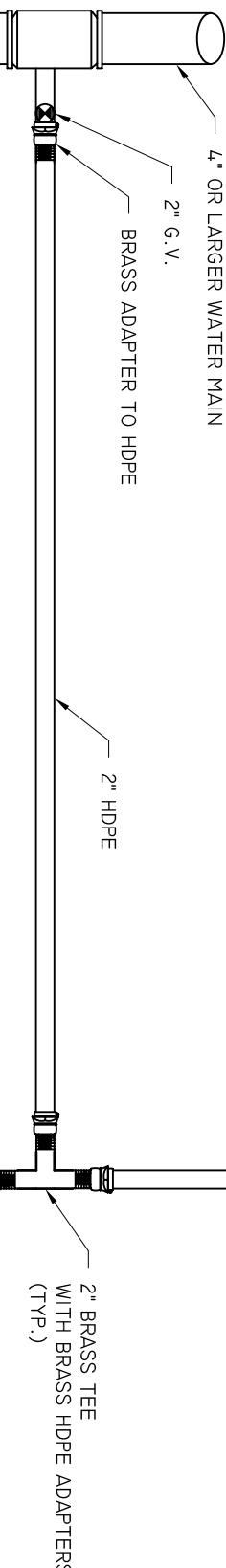
NOTES:

1. MAY BE USED ONLY WITH WRITTEN PERMISSION FROM BJWSA.

2. UTILITY CONTRACTOR SHALL INSTALL BRASS IDENTIFICATION TAGS ON EVERY WATER SERVICE LATERAL. BRASS TAG IS TO HAVE MINIMUM 1/2" OF STAINLESS STEEL WIRE FIXED TO THE TAG. BRASS ID TAG SHALL BE STAMPED WITH $\frac{1}{2}$ " FIGURES LISTING THE SUITE NUMBER IN WHICH IT SERVES AS SHOWN ON THE PLANS. BJWSA WILL RELOCATE THE WIRE AND BRASS ID TAG FROM THE CORPORATION STOP TO INSIDE THE METER BOX WITH THE WIRE WRAPPED AROUND CURB STOP. PLUMBING CONTRACTOR SHALL RUN EACH UNIT'S WATER SERVICE TO THE LOCATION SHOWN ON THE PLANS AND MARKED AT THE METER.



1" HDPE



4" OR LARGER WATER MAIN
2" G.V.
BRASS ADAPTER TO HDPE

36" IRON PIN (#5 REBAR) WITH
WHITE PVC SLEEVE



THREADED ADAPTER

1" POLYETHYLENE
WATER SERVICE TUBING

BEAUFORT - JASPER
WATER & SEWER AUTHORITY
METER BANK DETAIL; 6 METER MAX

DATE 07/01/09	DRAWN BY BMC	DRAWING # W-11
SCALE N.T.S.	APPROVED BY ERS	