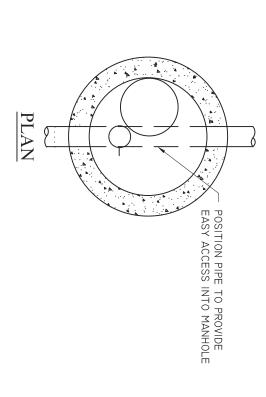
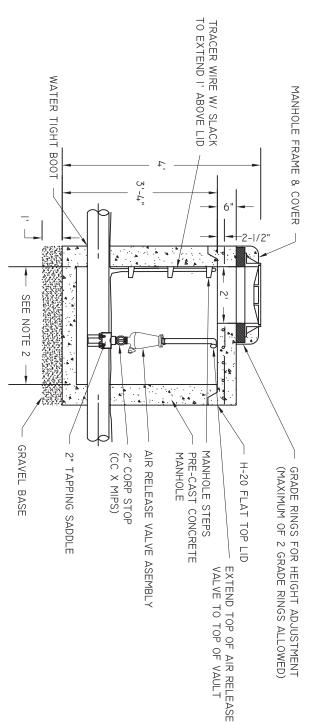
APPENDIX A – GENERAL STANDARD DETAIL DRAWINGS

DRAWING NUMBER	TITLE
G-01	Air Release Valve
G-02	Bedding Detail – Pressure Pipe
G-03	Bore and Jack Detail
G-04	Bridge Attachment – Typical
G-05	Bridge Attachment – Detail
G-06	Piling Pipeline Support
G-07	Curb Marking Detail
G-08	Restraint - Mechanical
G-09	Restraint - Thrust Blocking
G-10	Typical Service Tie-in
G-11	Submerged Crossings
G-12	Standard Valve Detail
G-13	Tapping Sleeve & Valve Detail
G-14	2" Connection
G-15	Tee and Valves

APPENDIX A GENERAL DETAILS



I. SET TOPS OF MANHOLES FLUSH WITH FINAL GRADE UNLESS NOTED OTHERWISE.
2. REFER TO SPECIFICATIONS FOR REQUIRED MANHOLE DIAMETER. NOTES:



AIR RELEASE VALVE IN MANHOLE

NOT TO SCALE

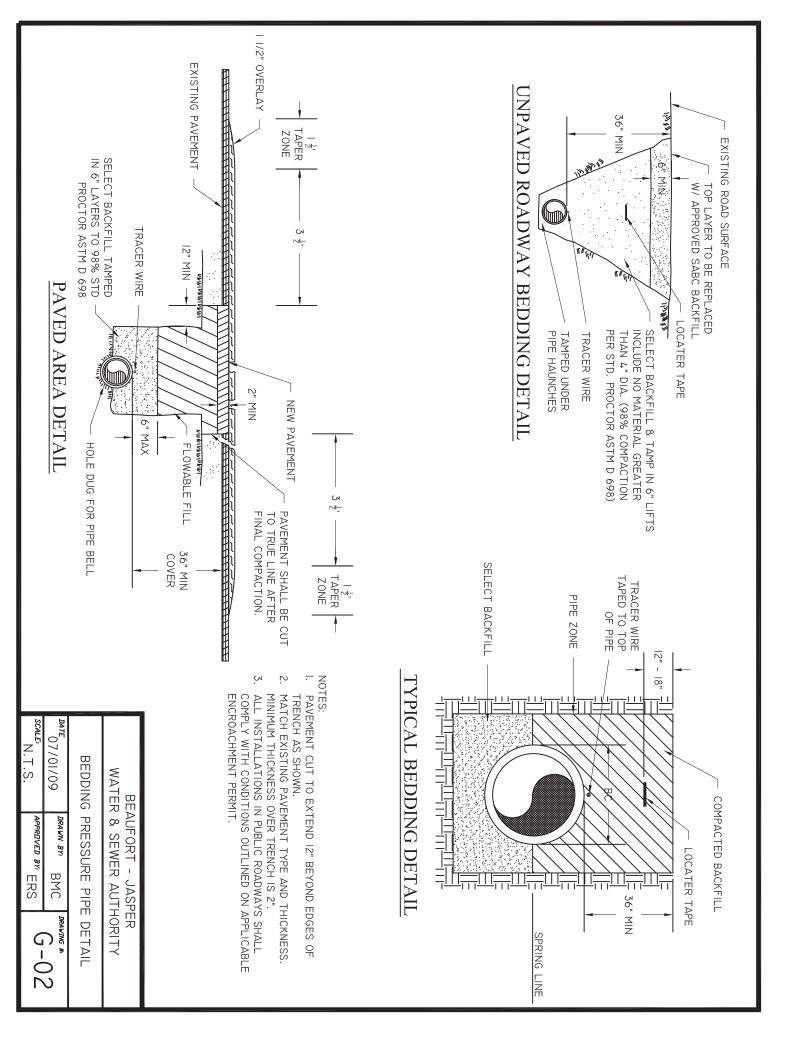
WATER & SEWER AUTHORITY BEAUFORT - JASPER

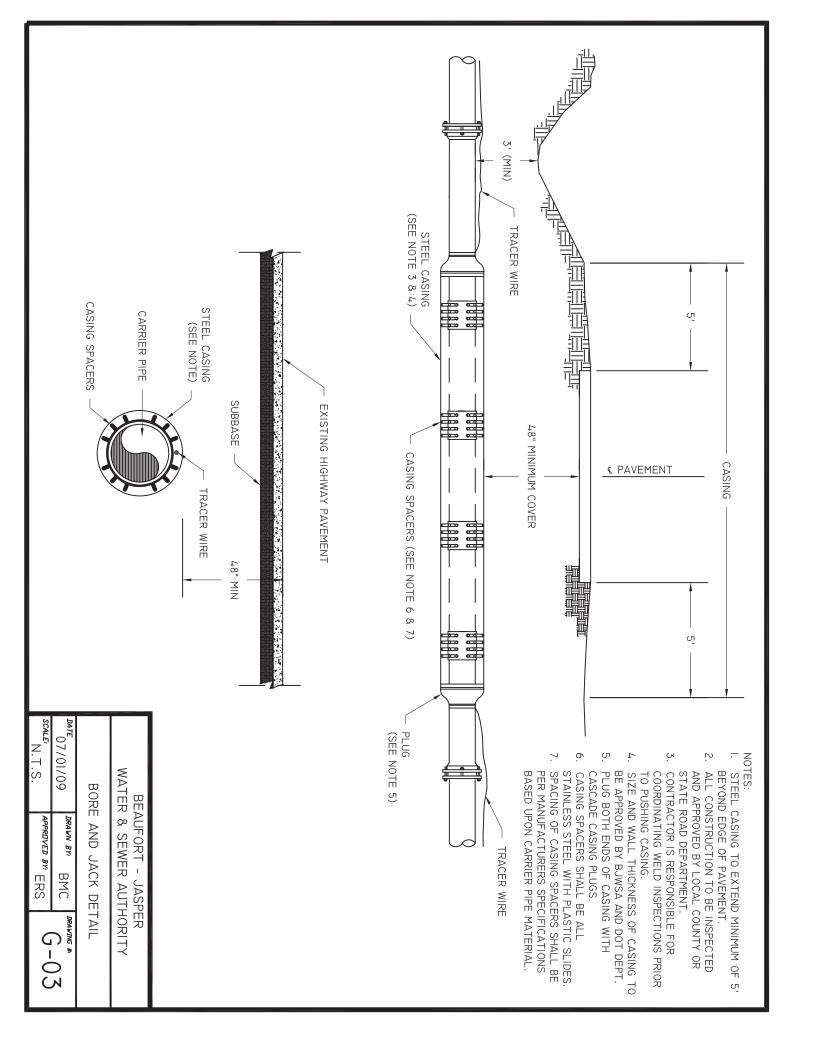
AIR RELEASE VALVE

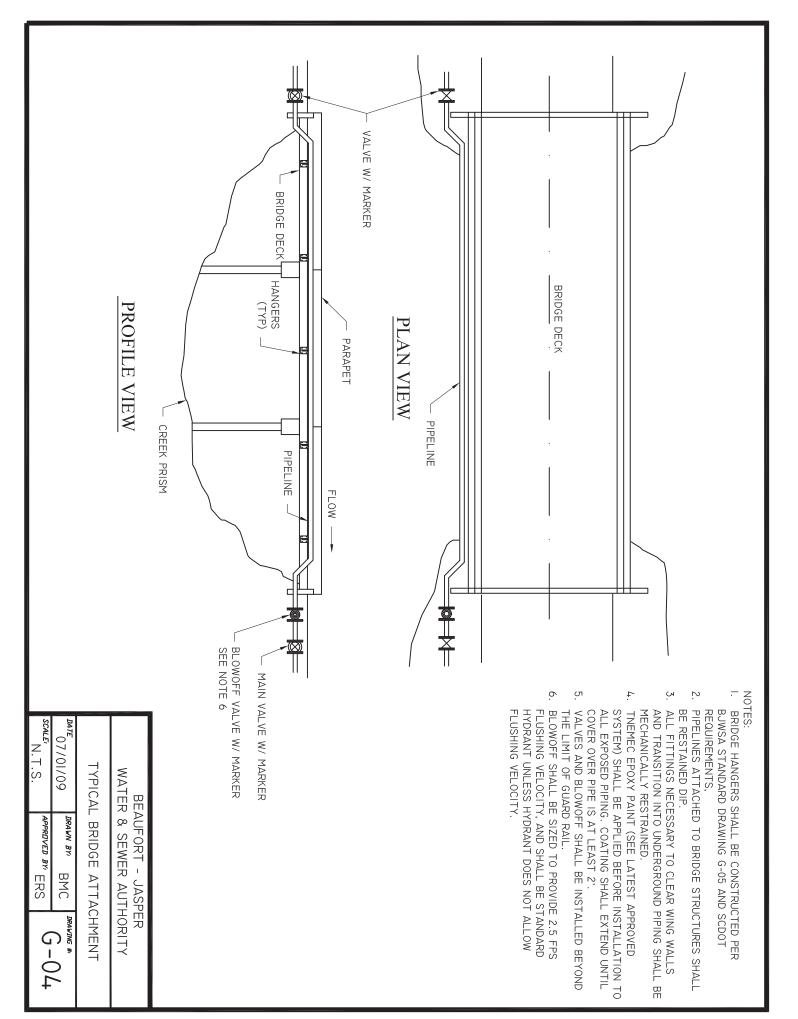
APPROVED BY: ERS DRAWN BY BMC G-01

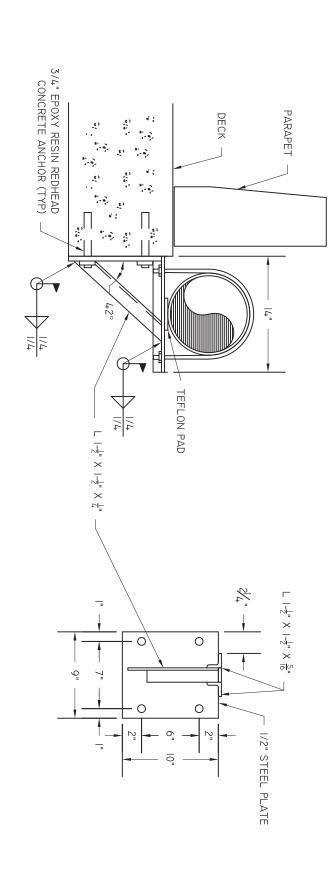
07/01/09

N.T.S









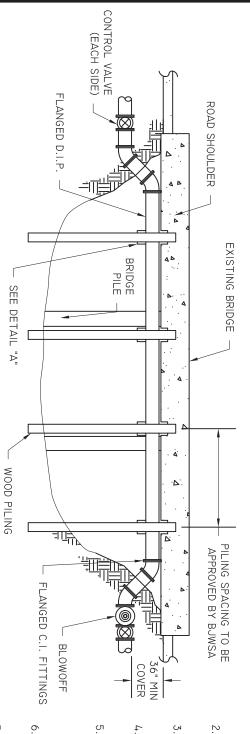
SIDE VIEW

FRONT VIEW

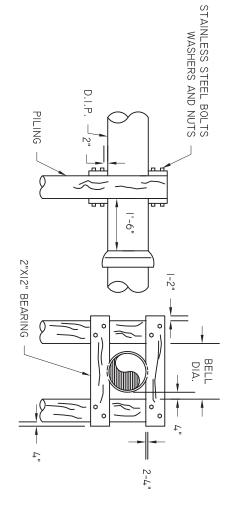
NOTES:

- PIPE STRAPPING AND BRACKET MATERIAL SHALL BE 316 STAINLESS STEEL.
 EPOXY ANCHORS SHALL BE 316 STAINLESS STEEL
 PIPE STRAP SHALL BE SIZED TO FIT CL 250 D.I.P. OF SIZE SPECIFIED.
 ALL PIPING TO HAVE FINAL PAINT COAT PRIOR TO INSTALLATION.

07/01/09 N.T.S. BRIDGE ATTACHMENT DETAIL WATER & SEWER AUTHORITY BEAUFORT - JASPER APPROVED BY: ERS DRAWN BY BMC G-05



ABOVE CHANNEL DETAIL AT BRIDGE



DETAIL 'A' - SUPPORT PILING

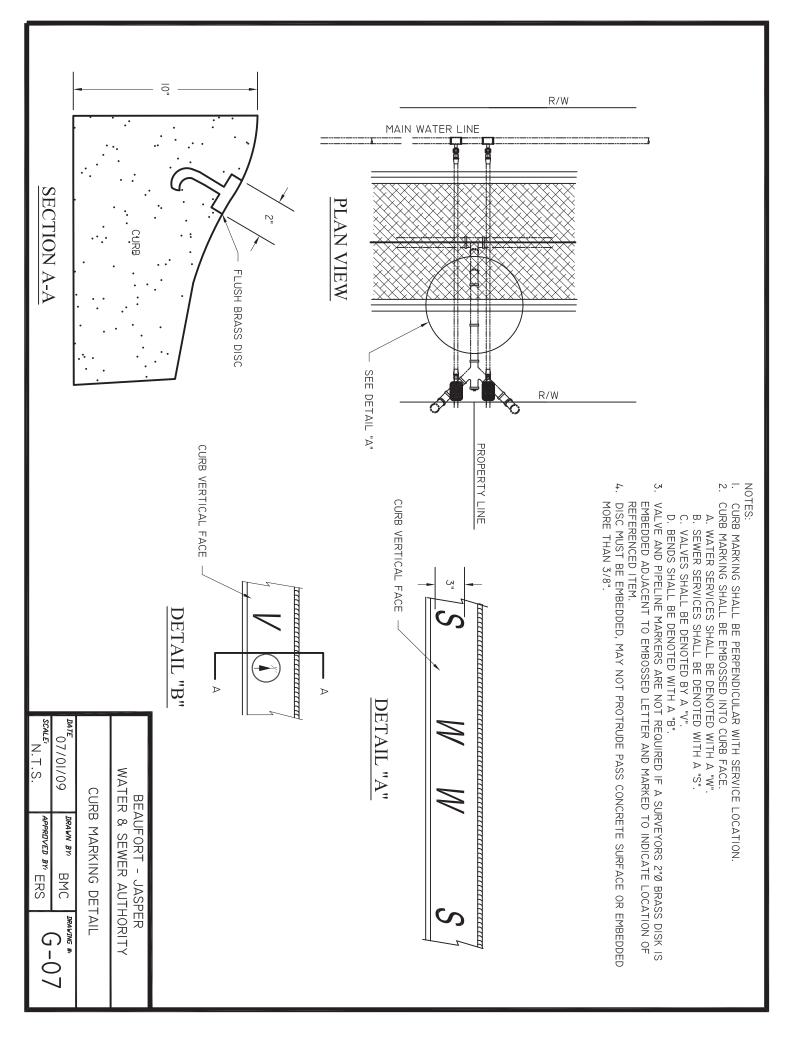
- UPON ACCEPTED ENGINEERING PRACTICES. CASE BY CASE BASIS BY BJWSA BASED SUPPORT PILINGS MUST BE APPROVED ON A ALL PIPELINE PROJECTS REQUIRING THIS DETAIL IS PROVIDED AS A GUIDELINE
- BEARING CAPACITY OF 10 TONS. DIAMETER OF 8" BE DROVE TO A MINIMUM ALL PILINGS SHALL HAVE A MINIMUM TIP
- ALL PILING AND SUPPORTS SHALL BE RATED FOR CONTINUOUS SALT WATER SUBMERGENCE.
- FLUSHING CAPABILITIES. APPROPRIATELY SIZED BLOWOFF SHALL BE INSTALLED DOWNSTREAM TO PROVIDE
- BELOW FINAL GRADE. PIPE SHALL EXTEND A MINIMUM OF 2' PAINTED PRIOR TO INSTALLATION. PAINTED ALL EXPOSED PIPING SHALL BE
- VALVES AND BLOWOFF SHALL BE INSTALLED BEYOND THE LIMIT OF GUARD
- DOES NOT ALLOW FLUSHING VELOCITY. STANDARD HYDRANT UNLESS HYDRANT FPS FLUSHING VELOCITY, AND SHALL BE BLOW OFF SHALL BE SIZED TO PROVIDE 2.5

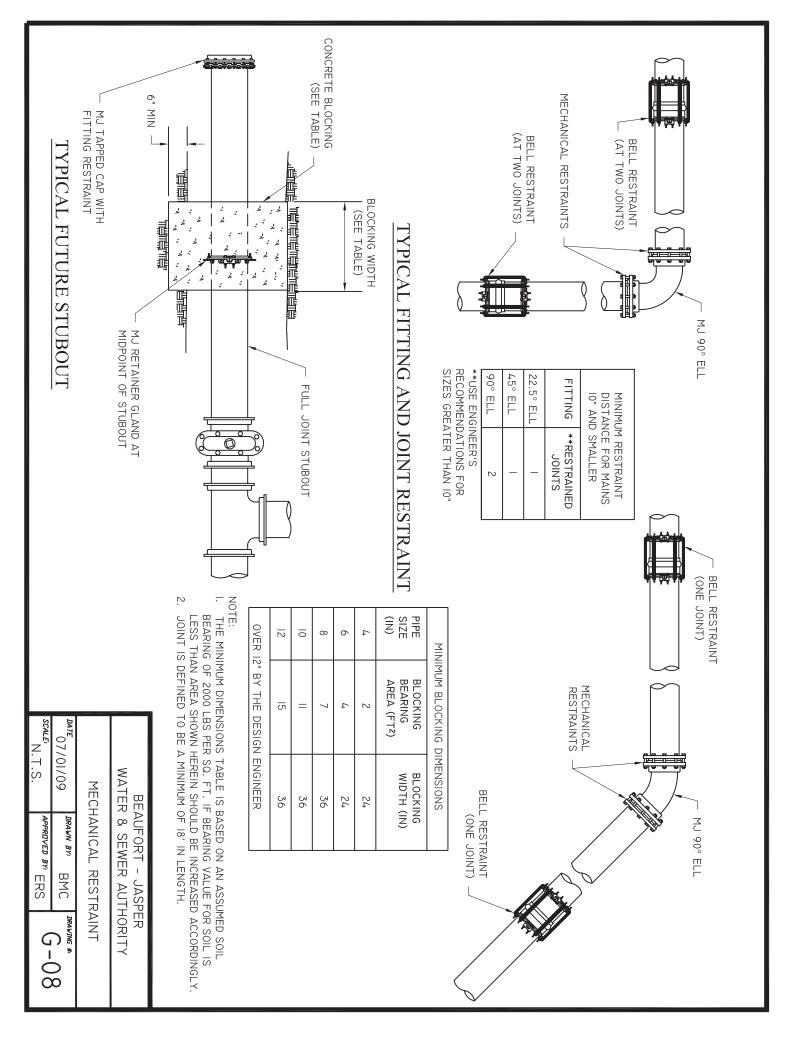
WATER & SEWER AUTHORITY BEAUFORT - JASPER

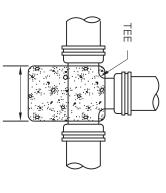
PILING PIPELINE SUPPORT

07/01/09 APPROVED BY: ERS DRAWN BY BMC

G-06







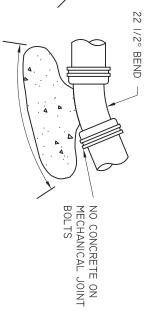


2'-8" X 2'-8"	12"
2'-2" X 2'-2"	ō"
'-9" X '-9"	<u></u>
'-6" X '-6"	<u>٥</u>
l'-2" X l'-2"	4"
AREA AGAINST UNDISTURBED SOIL	PIPE

90° BEND

45° BEND

12"	I0"	<u></u>	<u>0</u>	4"	PIPE
2'-8" X 2'-8"	2'-2" X 2'-2"		l'-6" X l'-6"	'-2" X '-2"	AREA AGAINST UNDISTURBED SOIL



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<u></u>	
AREA AGAINST	

12 ¹ 6 1 1 1 1 1 1 1 1 1	П
	AREA AGAINST

<u> </u>	IO"	<u></u>	<u></u>	4."	PIPE
2'-3" X 2'-3"	2'-0" X 2'-0"	'-6" X '-6"	'-3" X '-3"	l'-0" X l'-0"	AREA AGAINST UNDISTURBED SOIL

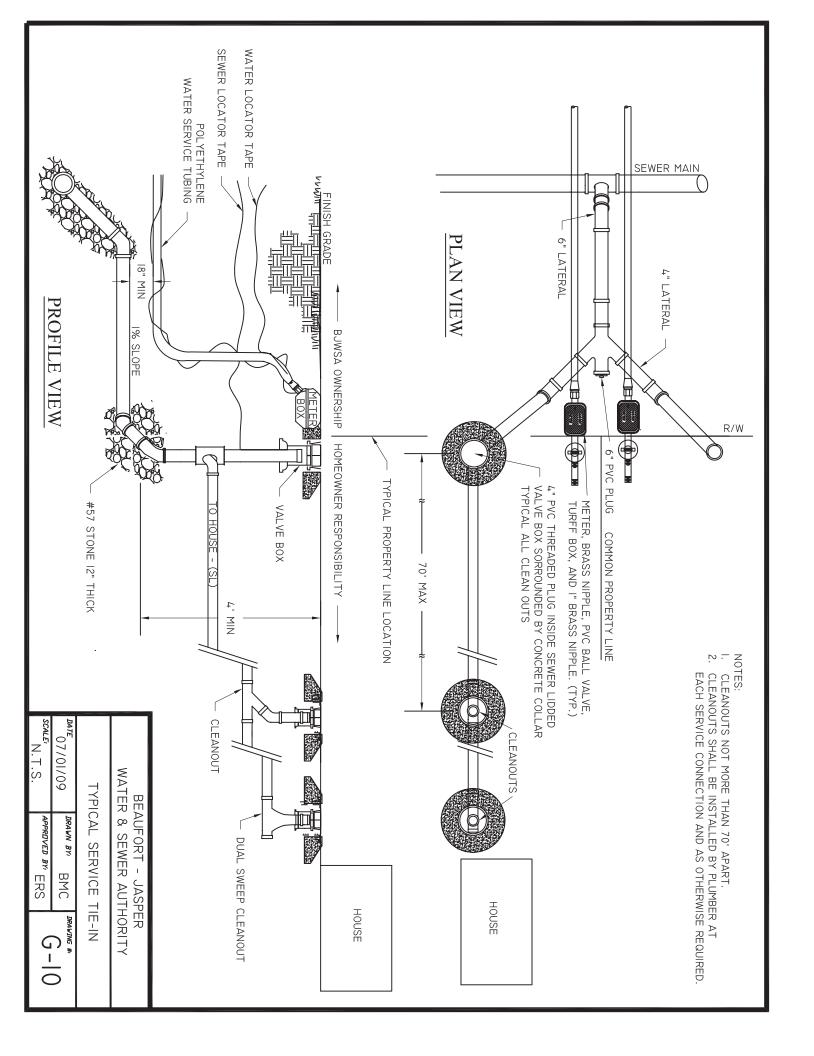
12"	I0"	<u></u>	<u>ه</u>	4"	PIPE
l'-8" X l'-8"	l'-6" X l'-6"	l'-2" X l'-2"	'-0" X '-0"	l'-0" X l'-0"	AREA AGAINST UNDISTURBED SOIL

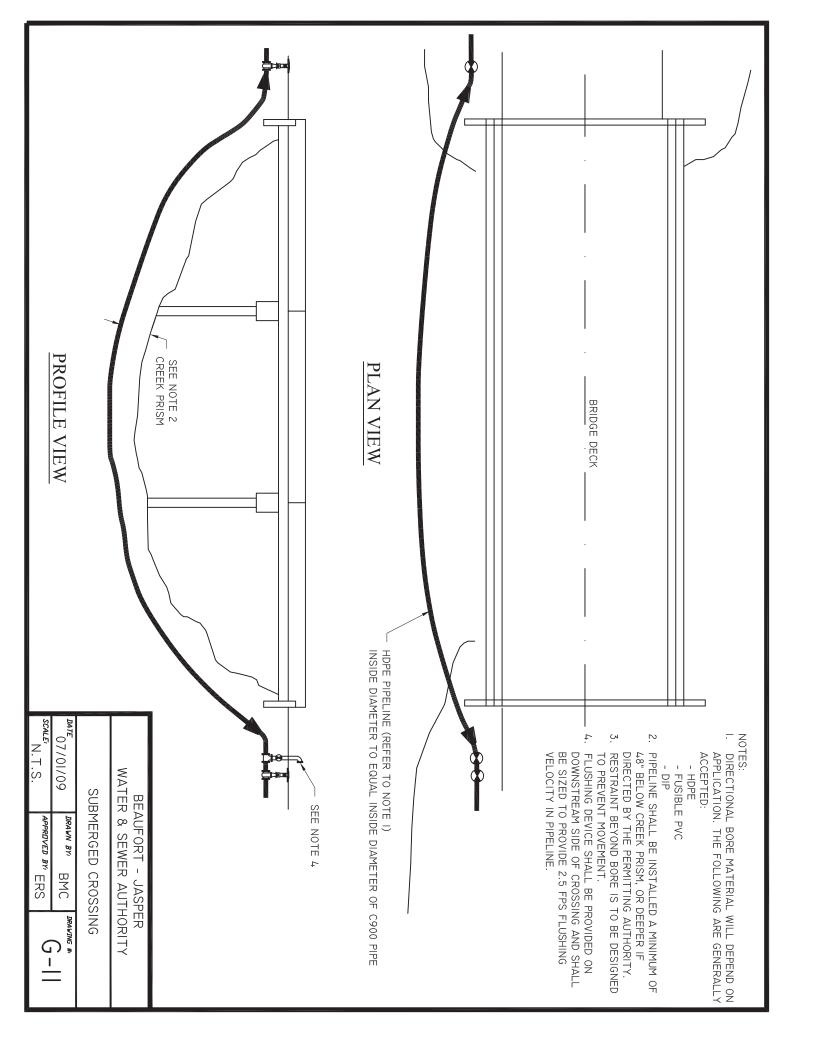
WATER & SEWER	BEAUFORT
AUTHORITY	JASPER

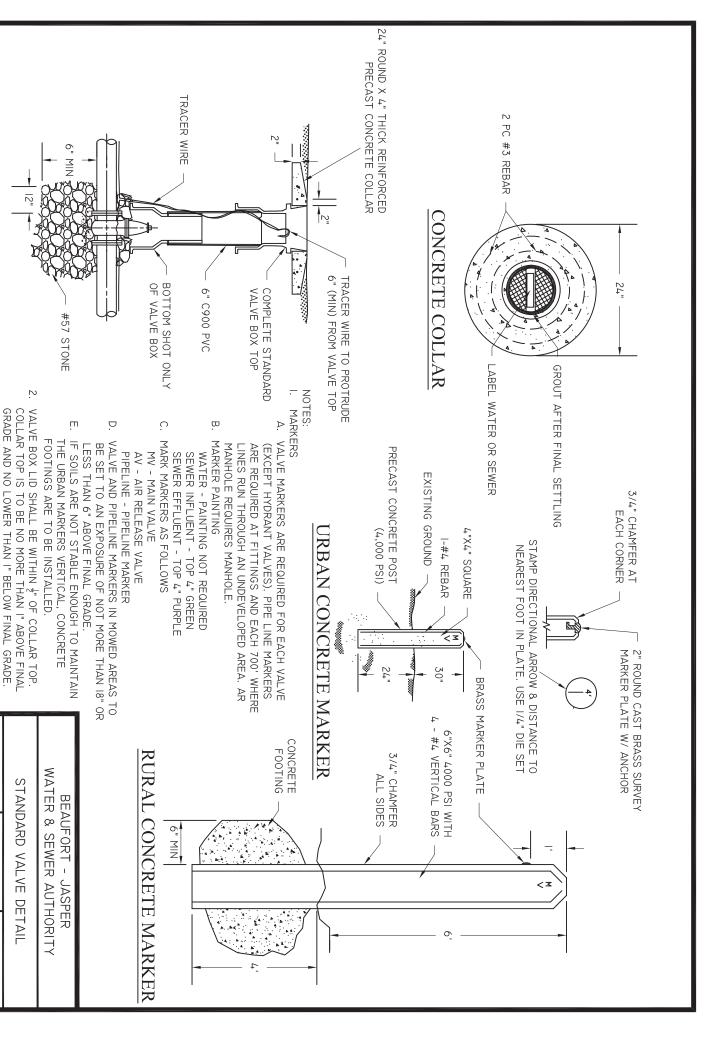
RESTRAINT, THRUST BLOCKING

60-0	APPROVED BY: ERS	SCALE,
DRAWING #:	DRAWN BY: BMC	07/01/09

SCALE, N.T.S.







VALVE AND VALVE BOX

CONCRETE COLLAR NOT REQUIRED IN PAVEMENT. VALVE

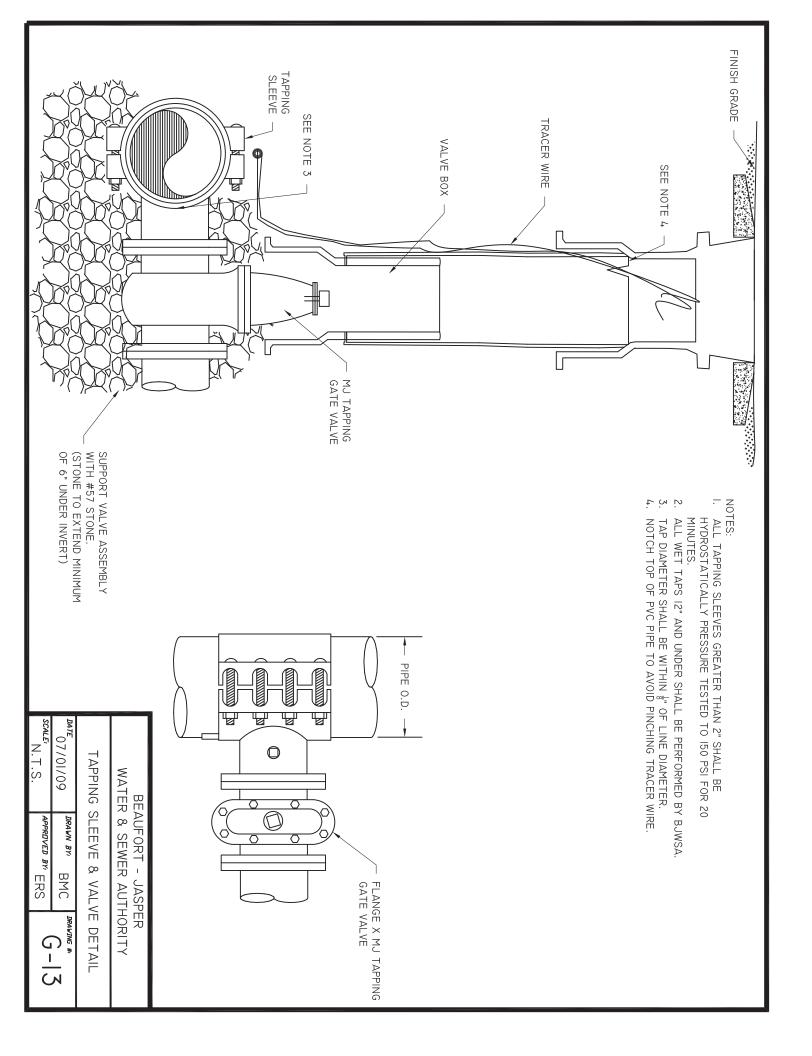
07/01/09

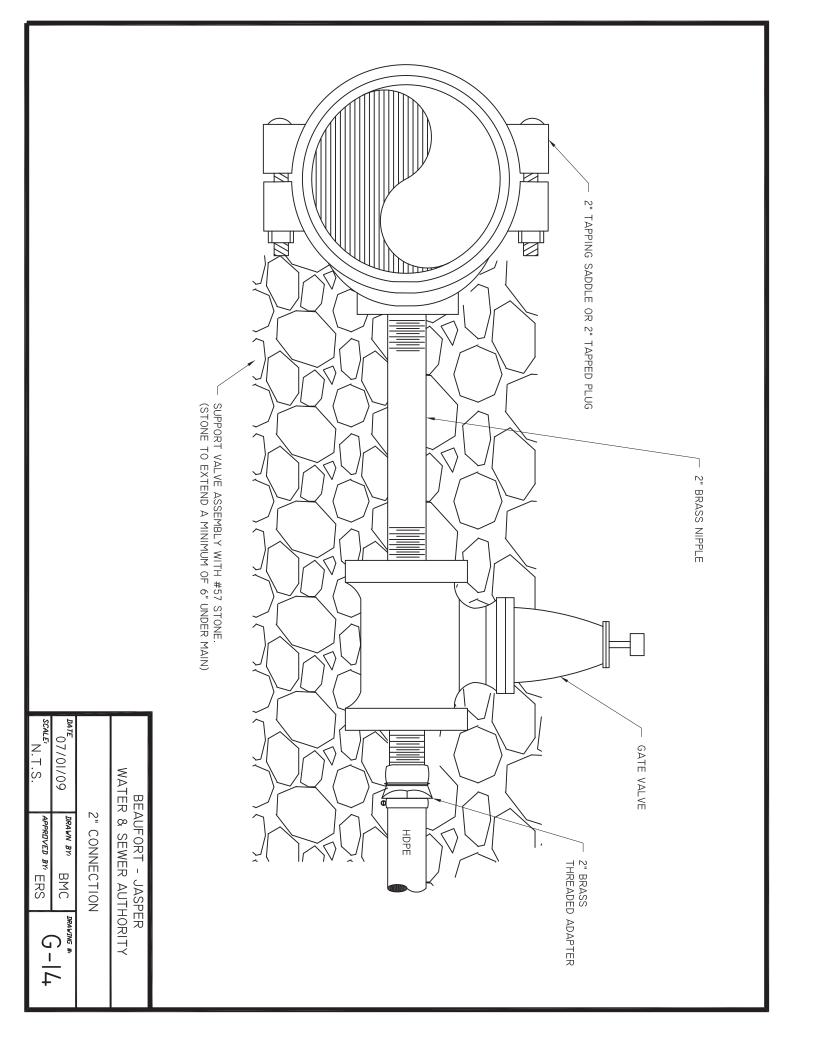
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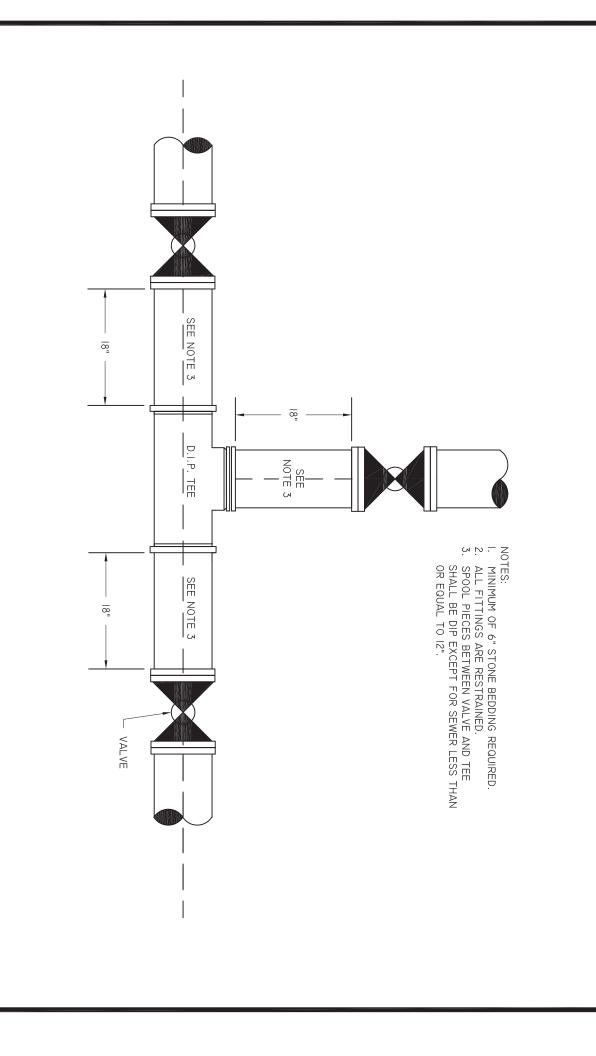
BMC

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APPROVED BY: ERS







07/01/09

DRAWN BY

BMC

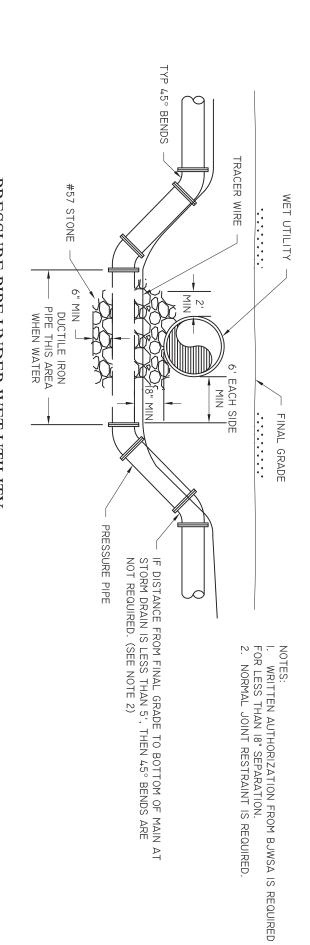
G-15

BEAUFORT - JASPER WATER & SEWER AUTHORITY

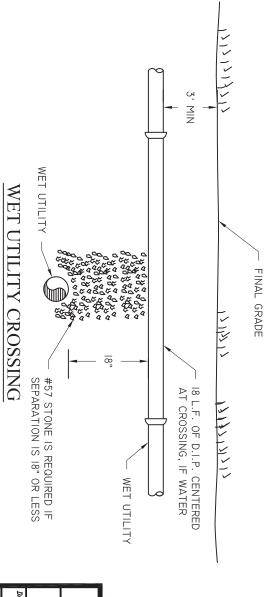
TEE AND VALVES

N.T.S.

APPROVED BY ERS



PRESSURE PIPE UNDER WET UTILITY FOR FINAL DEPTH 5' OR GREATER



BEAUFORT - JASPER

G-16

07/01/09 N.T.S WATER & SEWER AUTHORITY WET UTILITY CROSSING APPROVED BY: ERS DRAWN BY BMC