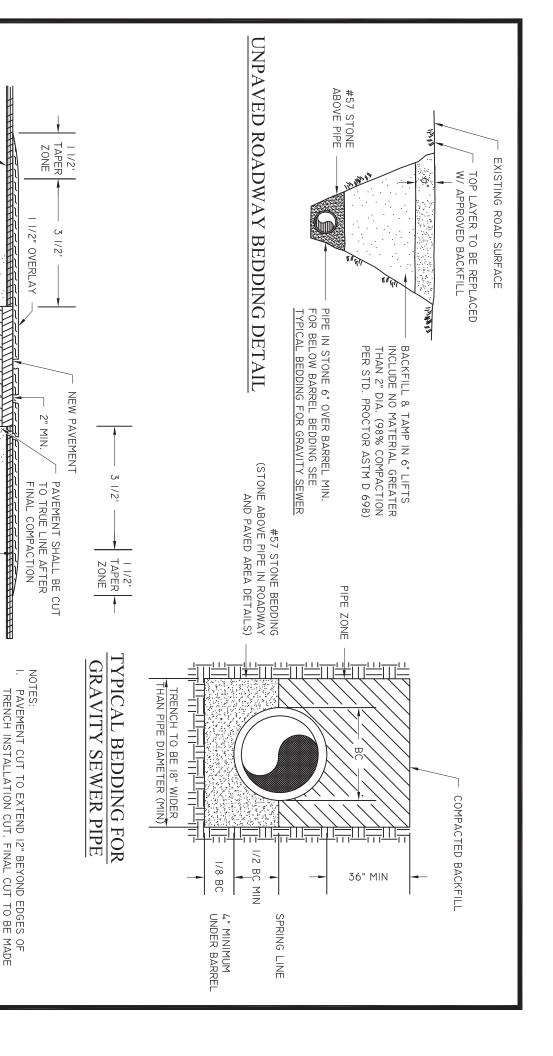
APPENDIX B - WASTEWATER/SEWER STANDARD DETAIL DRAWINGS

DRAWING NUMBER	TITLE
S-01	Bedding Detail – Gravity Pipe
S-02	Force Main Crossing
S-03	Gravity Main Crossing
S-04	Grease Trap Detail
S-05	Manhole – Cover and Frame
S-06	Manhole - Drop
S-07	Manhole – Flat Top
S-08	Manhole – Force Main Control
S-09	Manhole - Standard
S-10	Sewer Service Double
S-11	Sewer Service - Single
S-12	Pump Station Site Plan
S-13A	Pump Station Section I
S-13B	Pump Station Section II
S-14	Pump Station Wet Well Detail
S-15	Pump Station Fencing Detail
S-16	Pump Station Electrical Layout
S-17	Pump Station Control Panel & Main Disconnect
S-18	Pump Station Bubbler
S-19	Pump Station Hatch Detail
S-20A	Pump Station 2" Duplex Grinder, Plan
S-20B	Pump Station 2" Duplex Grinder, Section
S-21	Pump Station Residential Control Panel
S-22	Pump Station, Simplex Grinder
S-23A	Pump Station (Above Ground – 6x6), Site Plan
S-23B	Pump Station (Above Ground – 6x6), Detail #1
S-23C	Pump Station (Above Ground – 6x6), Detail #2
S-23D	Pump Station (Above Ground – 6x6), Detail #3
S-24	Sewer Check Valve
S-25	Sewer Air Release Pedestal Assembly
S-26	Duplex Residential Grinder Layout
S-27	Pump Station Residential Duplex Control Panel
S-28	Pump Station 6x6 Grate Detail



EXISTING PAVEMENT

SELECT BACKFILL
TAMPED IN 6" LAYERS TO
98% STD PROCTOR ASTM D 698

PAVED AREA DETAIL

07/01/09

DRAWN BY

BMC

APPROVED BY: ERS

BEDDING DETAIL, GRAVITY PIPE

BEAUFORT - JASPER WATER & SEWER AUTHORITY

HOLE DUG FOR PIPE BELL

TRACER WIRE

6" MAX

12" MIN "-

1/11/11/11/11/11/11/11

FLOWABLE FILL

36" MIN COVER

MATCH EXISTING PAVEMENT TYP. THICKNESS IS TO BE

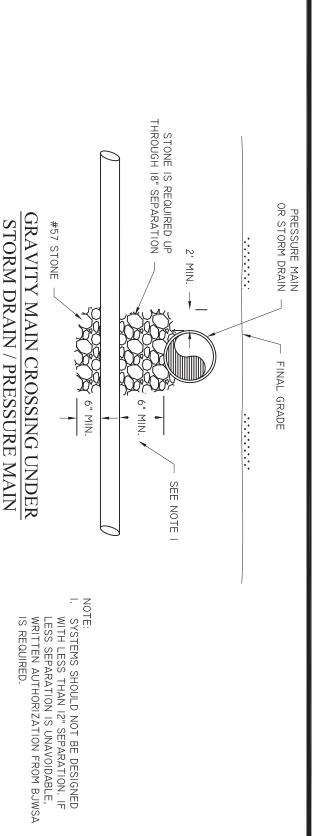
AFTER FINAL COMPACTION.

2" UNLESS EXISTING IS THICKER.

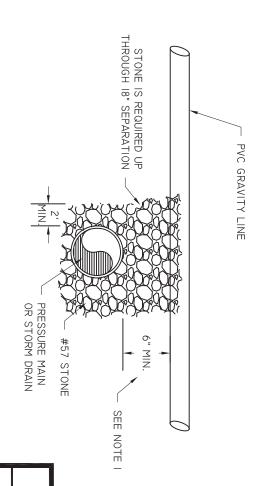
COMPLY WITH CONDITIONS OUTLINED ON APPLICABLE ENCROACHMENT PERMIT, IF MORE STRINGENT.

ALL INSTALLATIONS IN PUBLIC ROADWAYS SHALL

07/01/09 BEAUFORT - JASPER WATER & SEWER AUTHORITY DRAWN BY BMC
APPROVED BY ERS RESERVED



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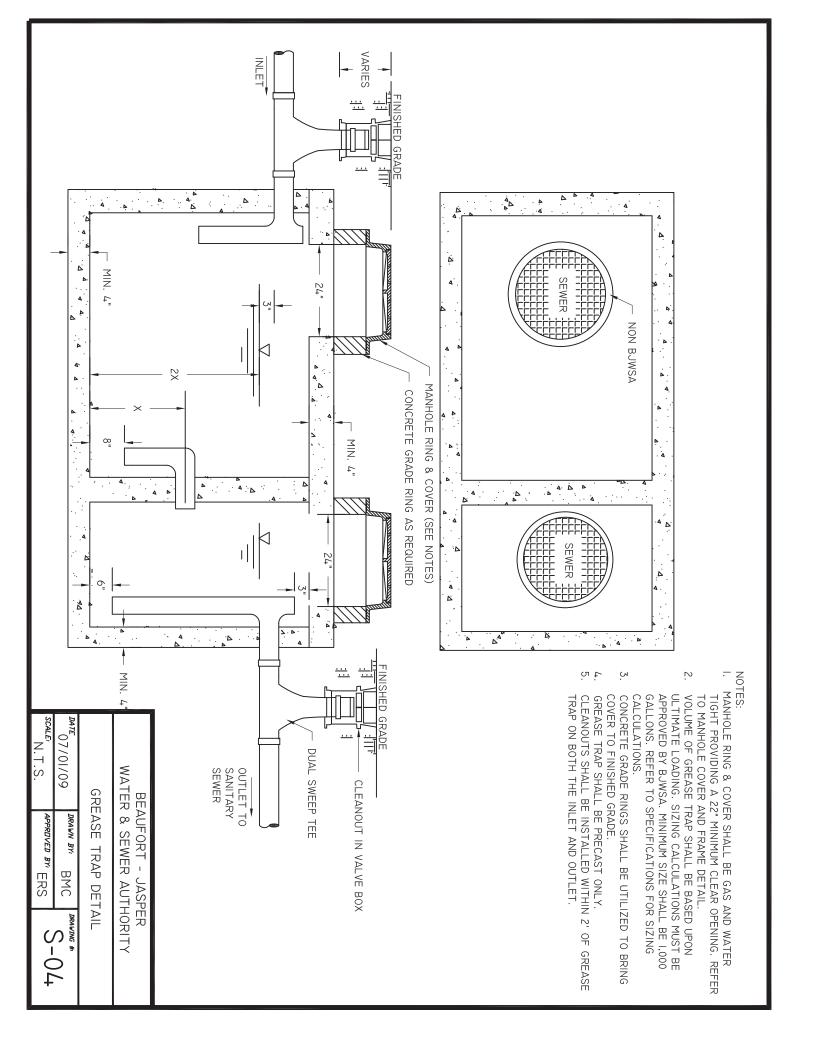


GRAVITY MAIN CROSSING OVER STORM DRAIN / PRESSURE MAIN

BEAUFORT - JASPER WATER & SEWER AUTHORITY

GRAVITY MAIN CROSSING

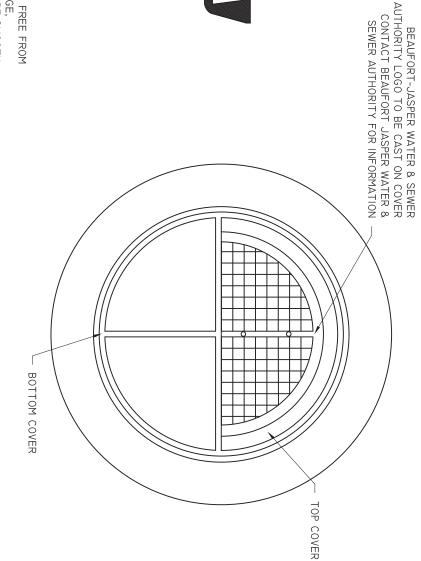
SCALE N.T.S. APPROVED BY ERS S-0

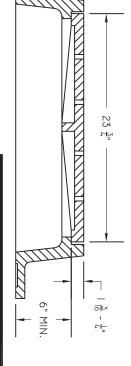




NOTES:

- I. CASTINGS SHALL BE OF UNIFORM QUALITY, FREE FROM BLOWHOLES, POROSITY, HARD SPOTS, SHRINKAGE, DISTORTION OR OTHER DEFECTS. THEY SHALL BE SMOOTH AND WELL CLEANED BY SHOT BLASTING OR BY SOME OTHER APPROVED METHOD UNLESS AN ALTERNATIVE SPECIFICATION IS MADE.
- IRON-GRADE 60-40-18. FEDERAL SPECIFICATIONS FOR GRAY IRON OR DUCTILE IRON AS FOLLOWS: GRAY IRON-ASTM CLASS 35, DUCTILE SHOULD CONFORM TO ASTM, AASHTO, ASA, MIL, AMS OR MATERIALS USED IN THE MANUFACTURE OF CASTINGS
- ALL CASTINGS SHALL BE MANUFACTURED TRUE TO

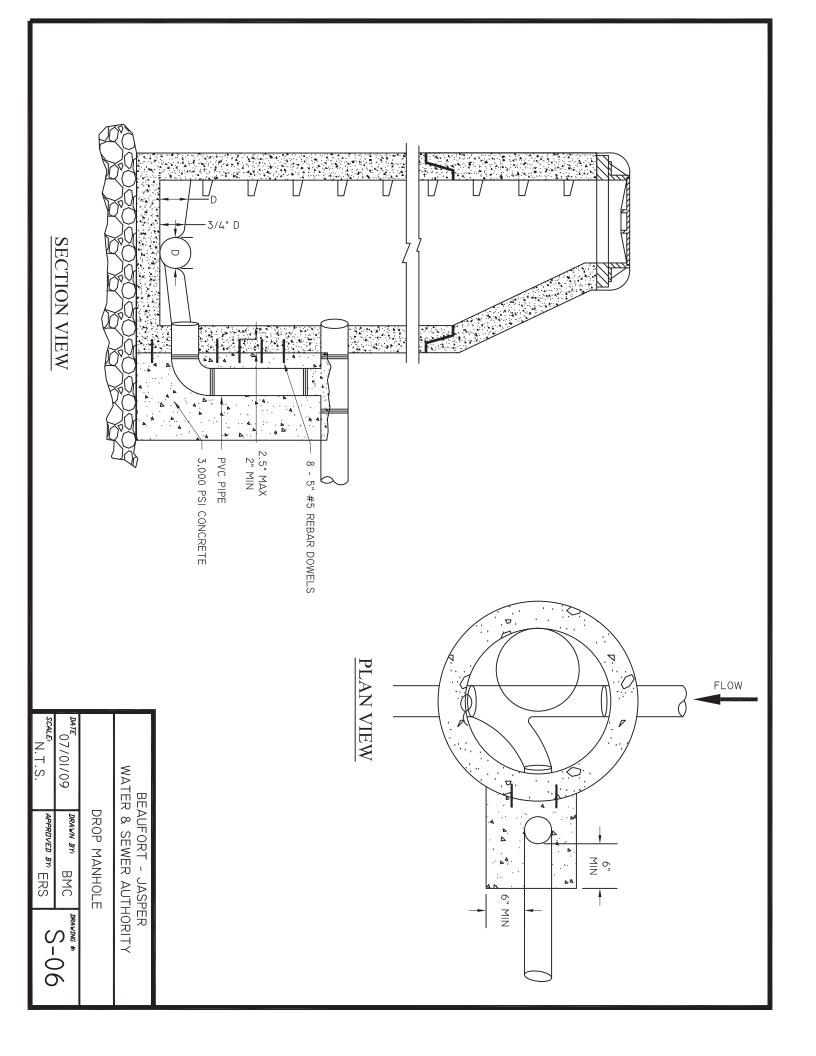


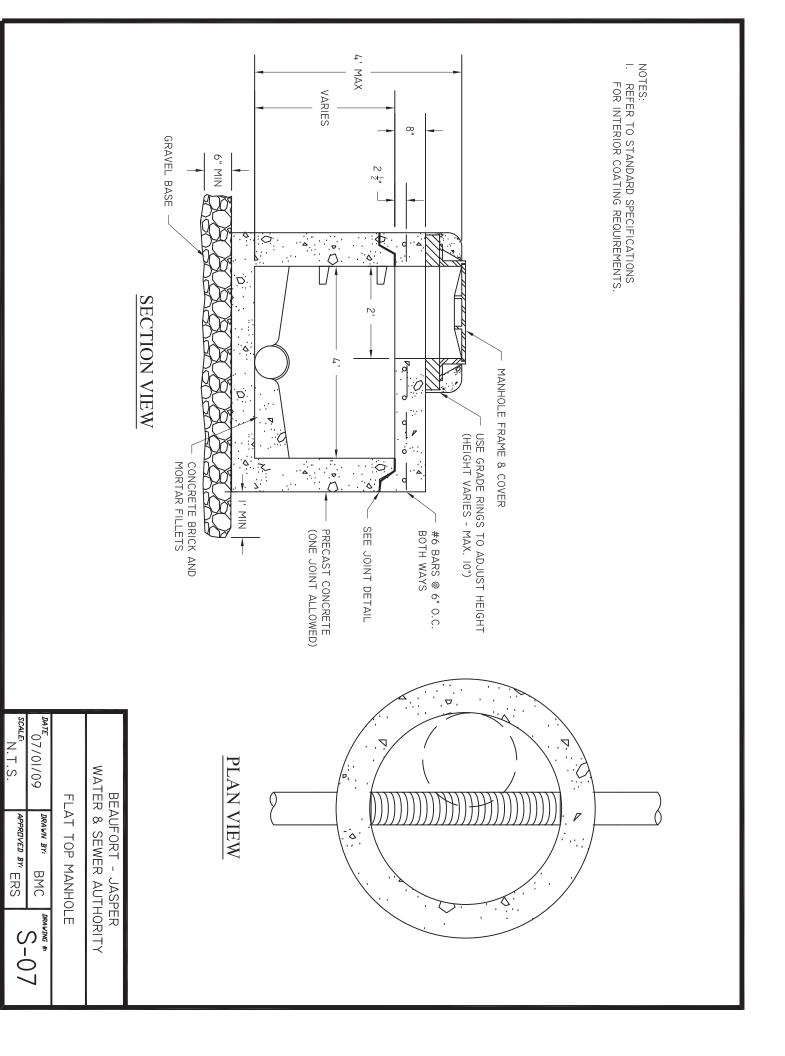


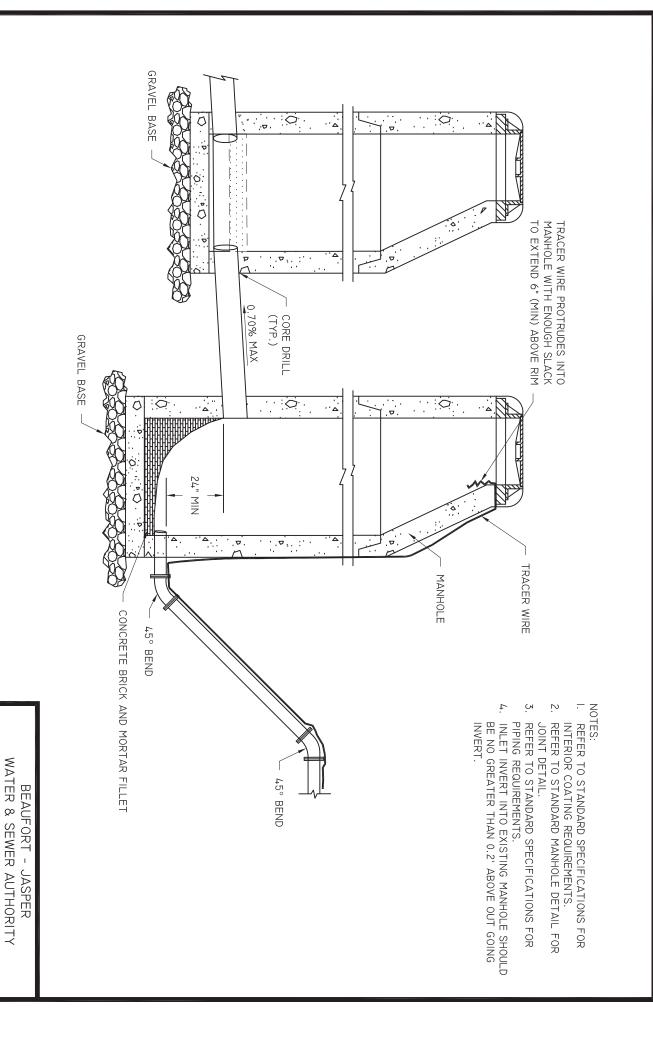
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MANHOLE, COVER AND FRAME

07/01/09	DRAWN BY: BMC	DRAWING #:
SCALE, NTS	APPROVED BY: ERS	0-00







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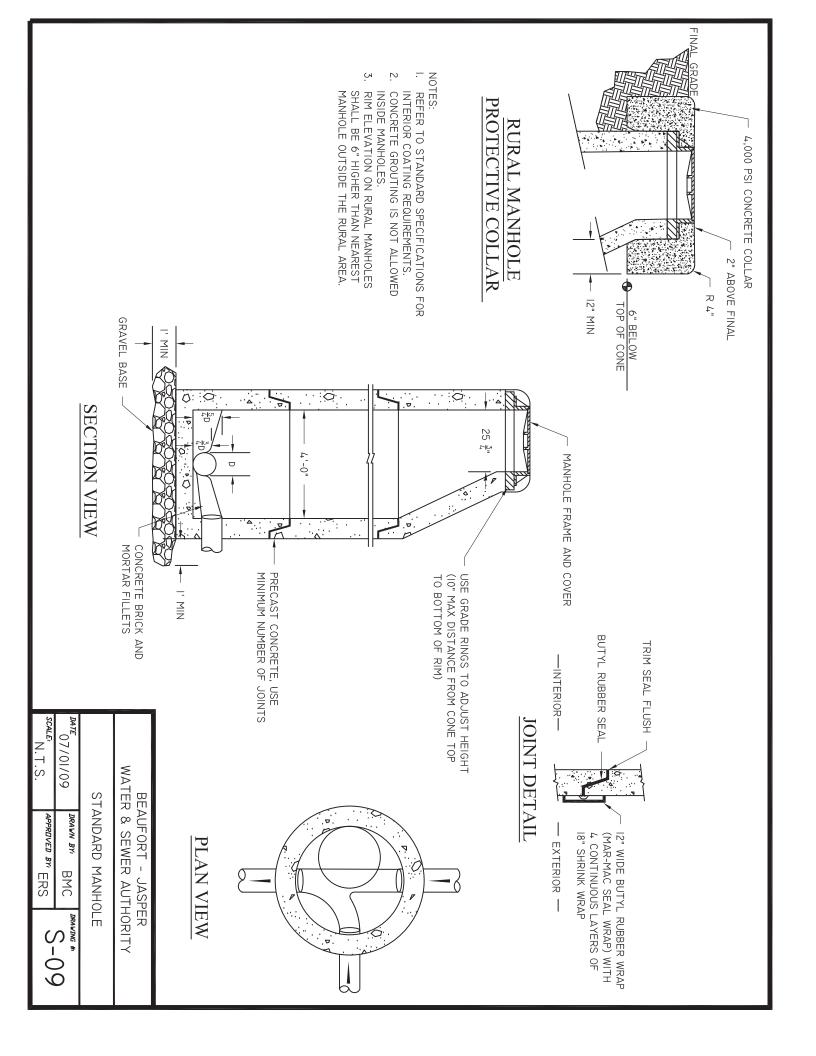
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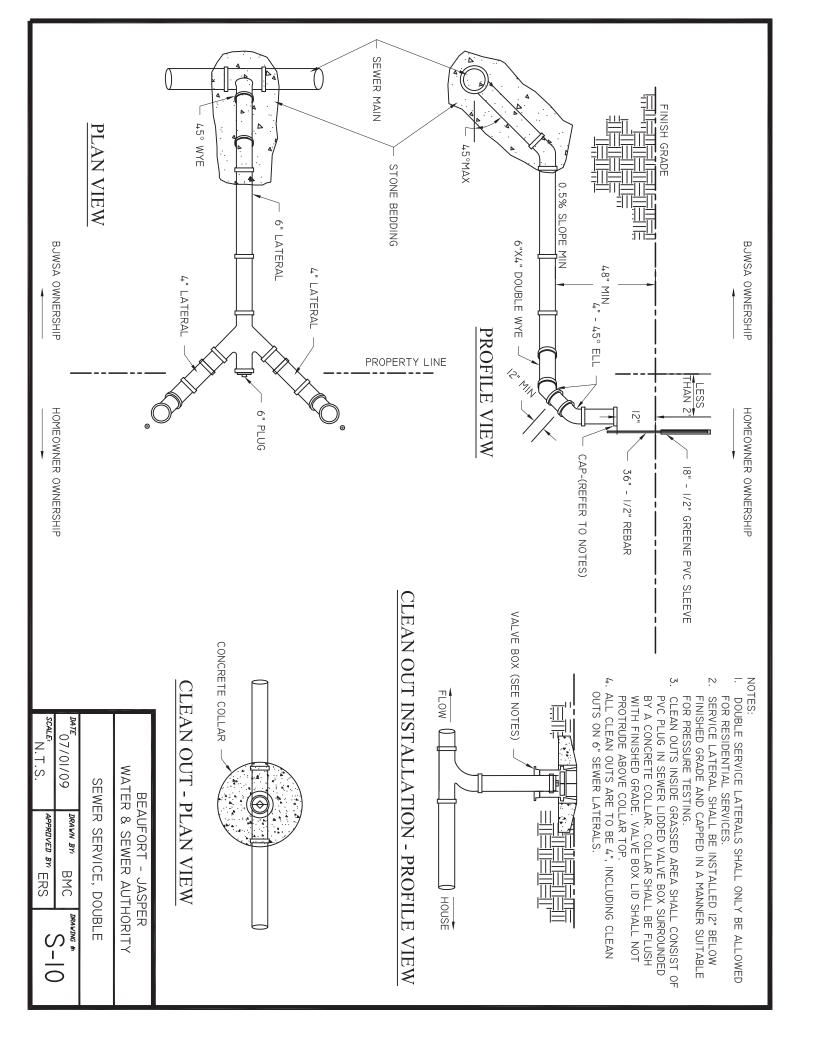
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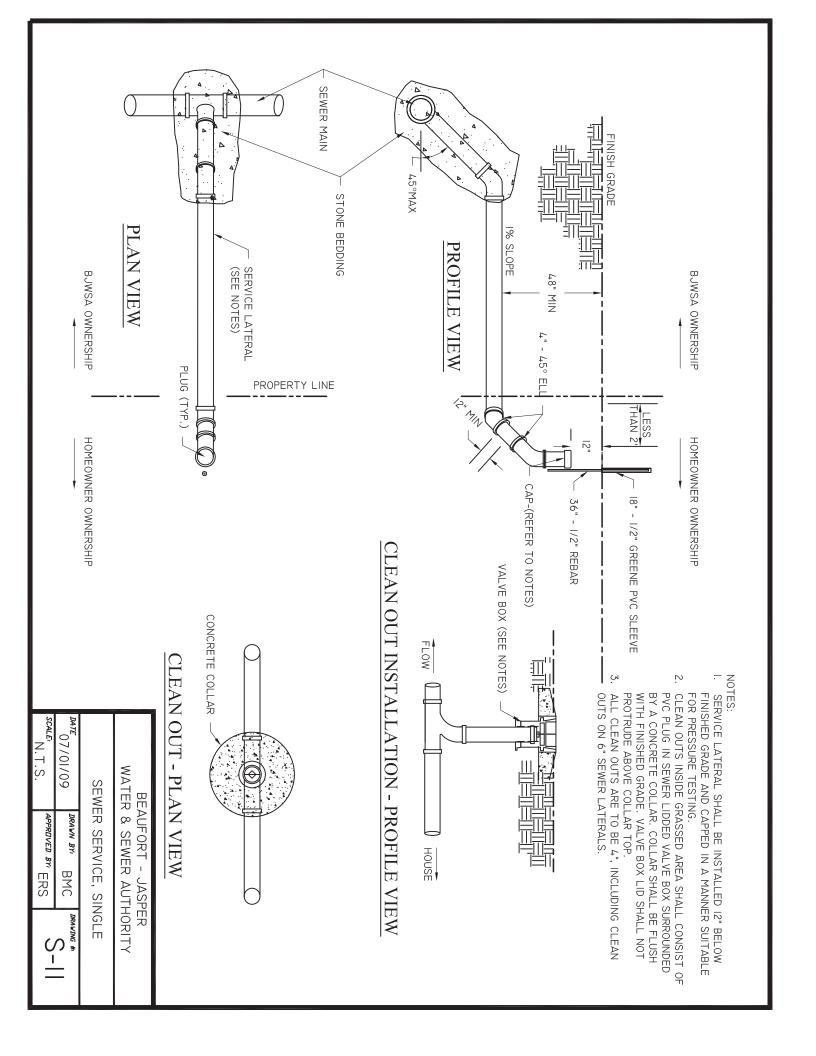
S-08

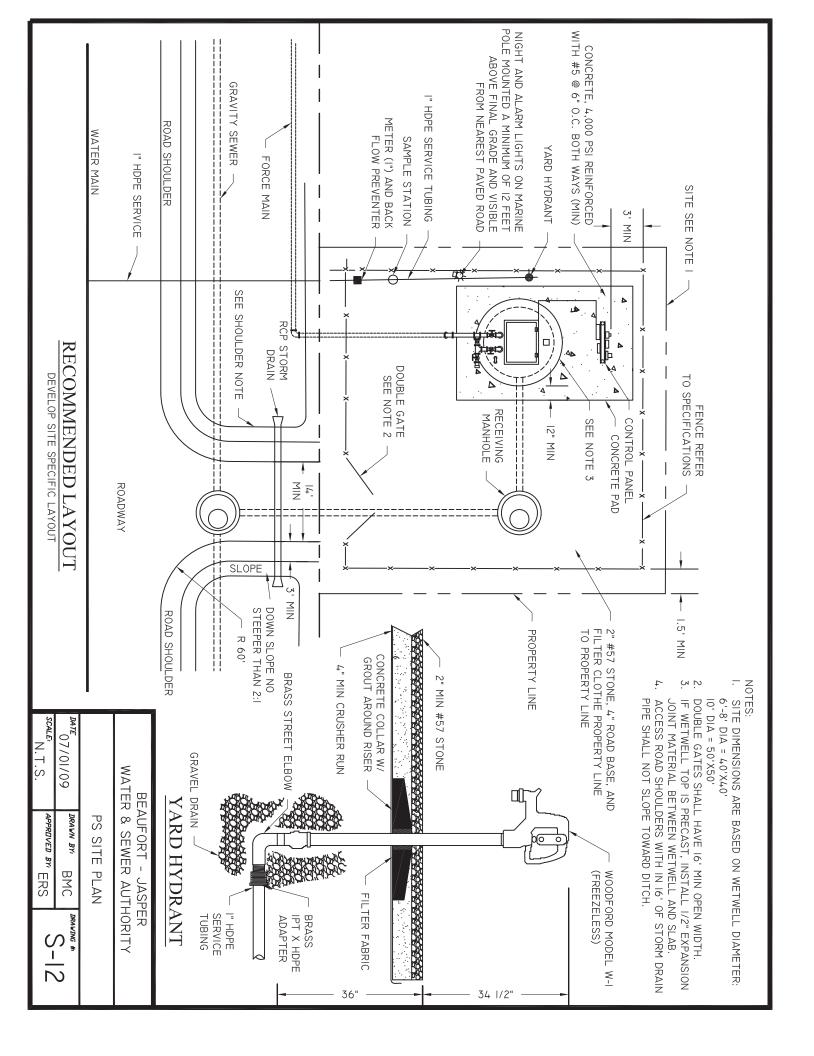
APPROVED BY ERS

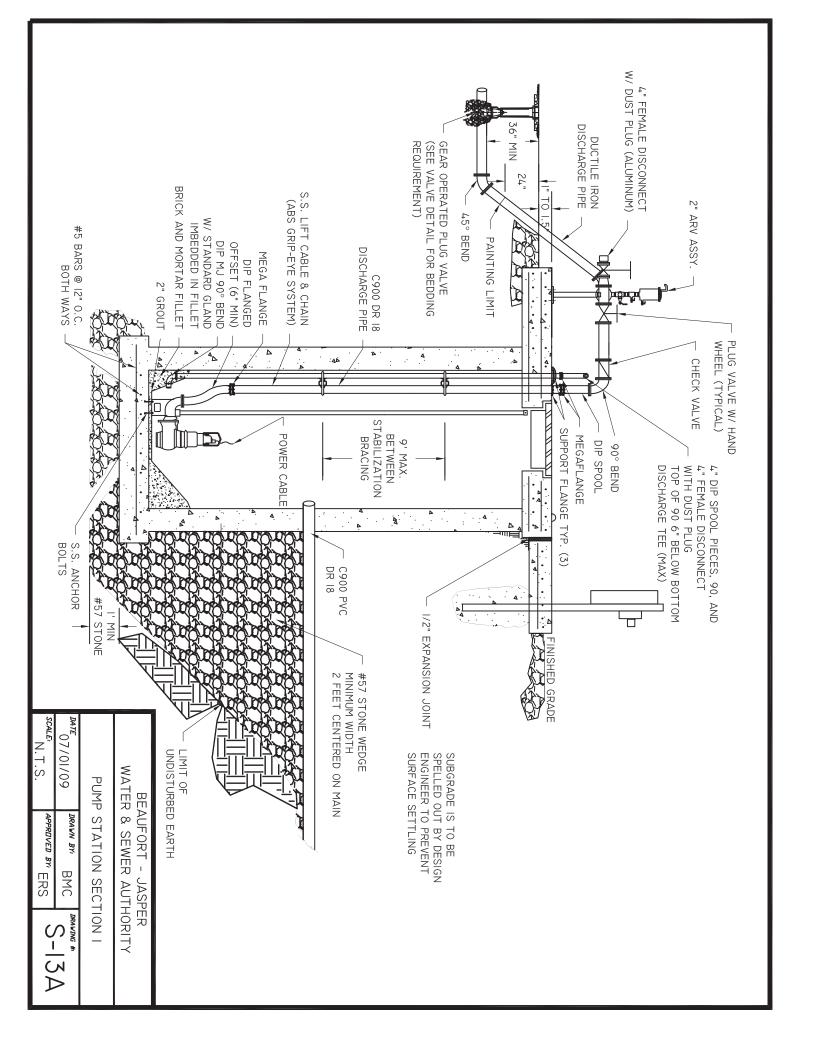
FORCE MAIN CONTROL MANHOLE

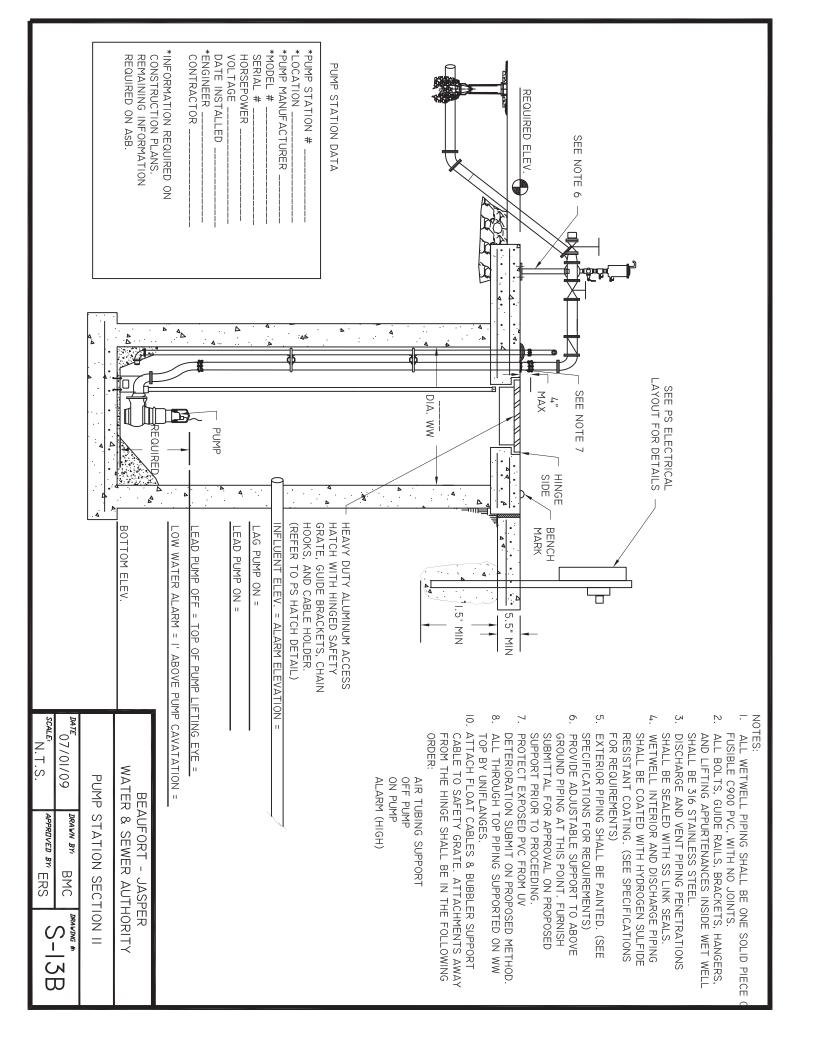


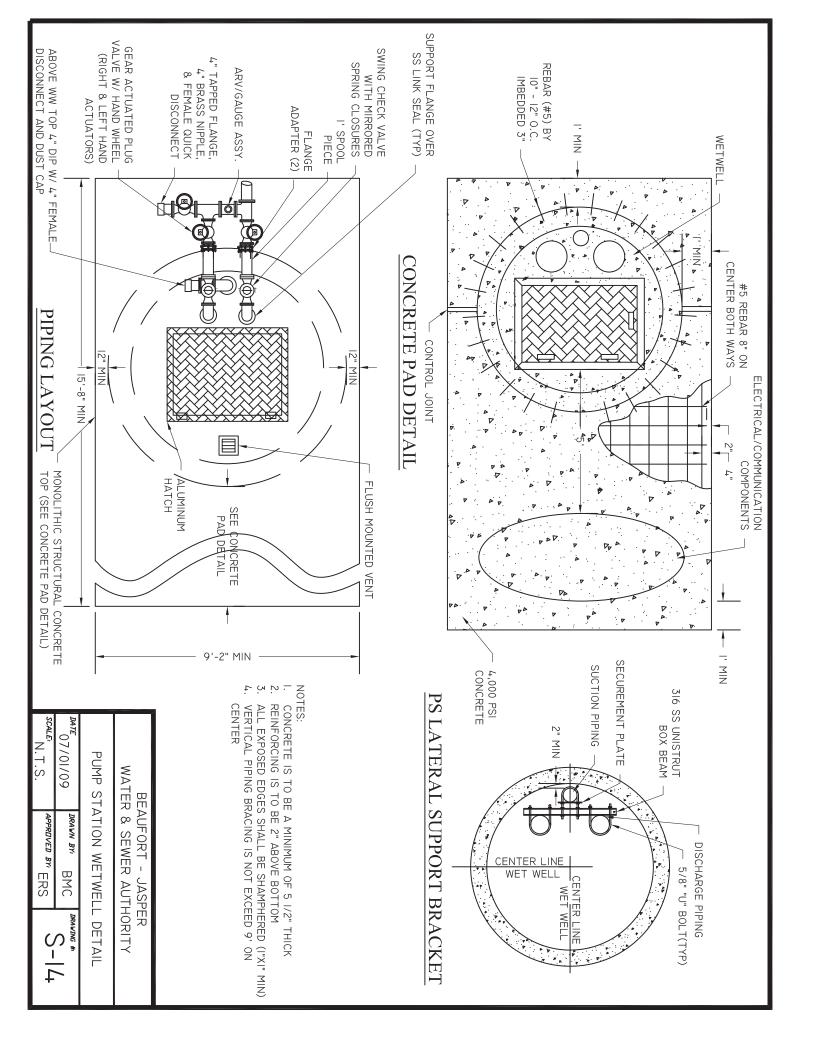


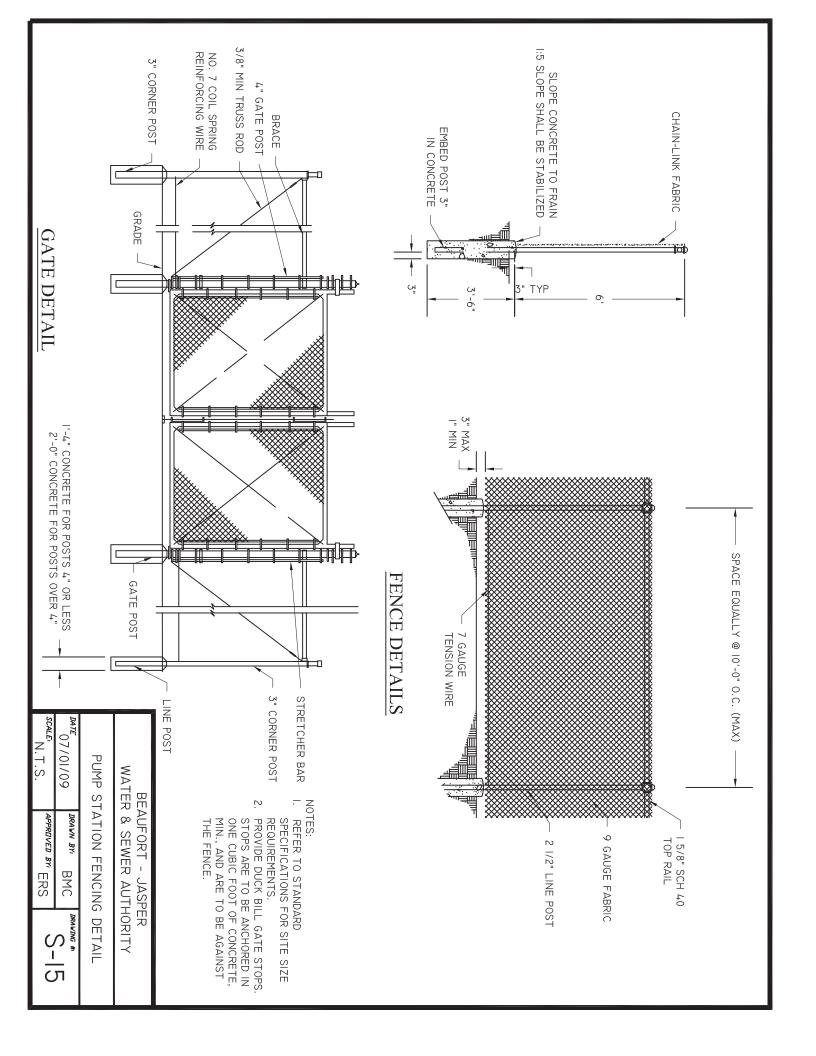


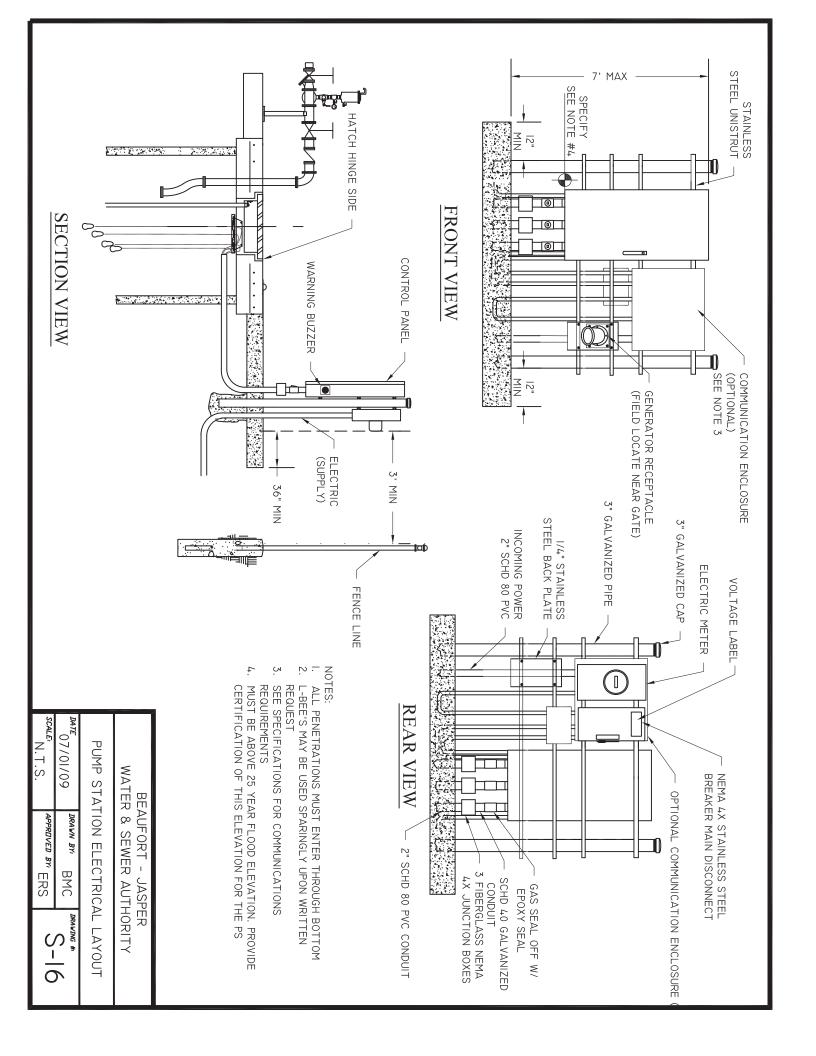


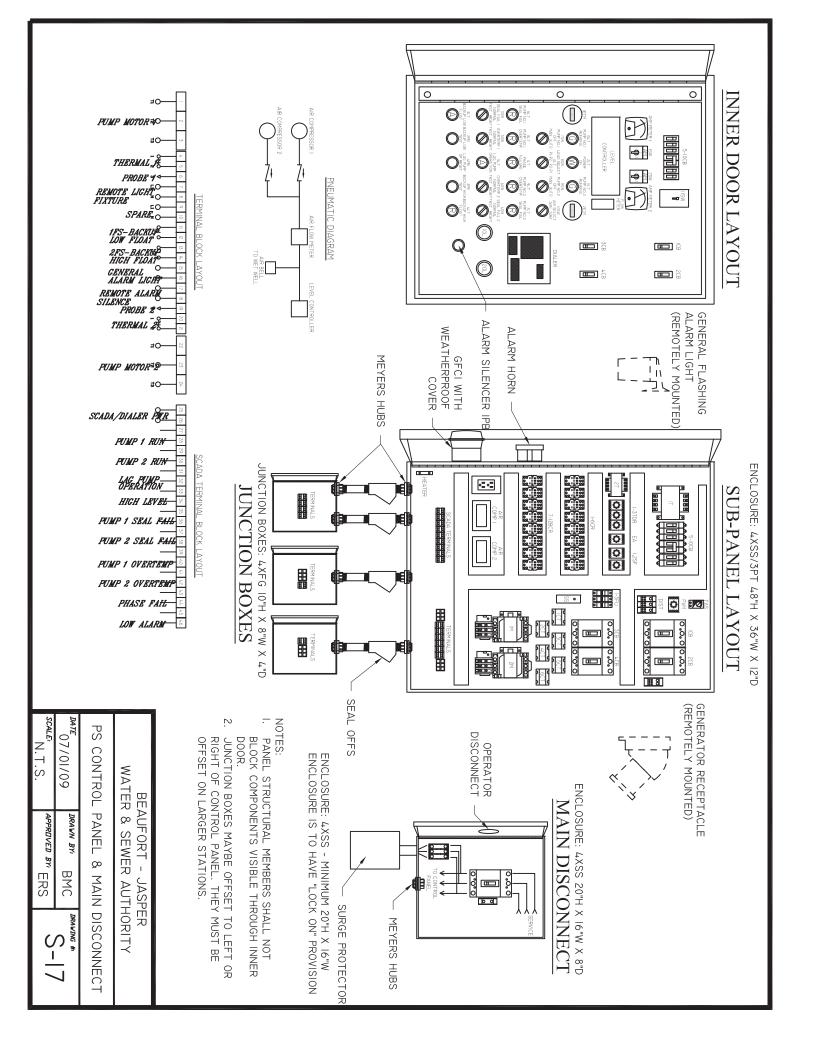


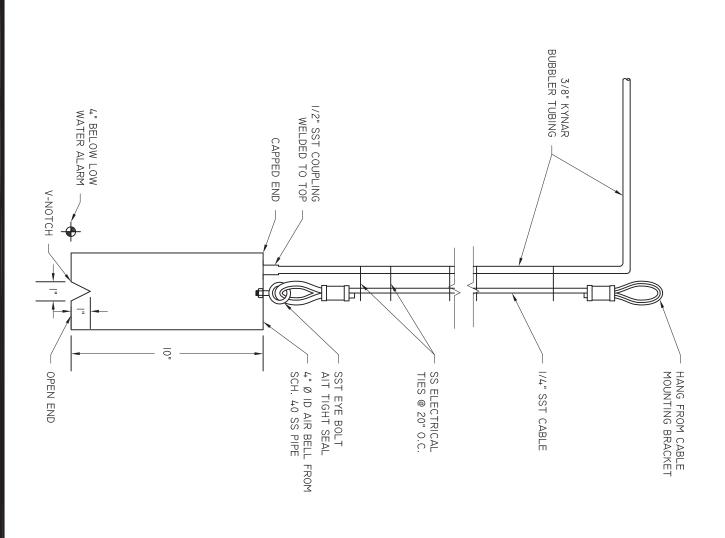






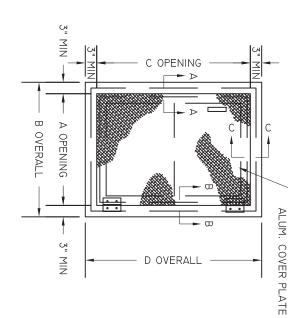






NOTE: 1. ALL STAINLESS STEEL IS 316

0-10	APPROVED BY ERS	SCALE, N.T.S.
WAWWG #:	DRAWN BY: BMC	07/01/09
3LER	PUMP STATION BUBBLER	PUMF
HORITY	WATER & SEWER AUTHORITY	WATER
ĤR	BEAUFORT - JASPER	BE



1/4" THICK DIAMOND PAT

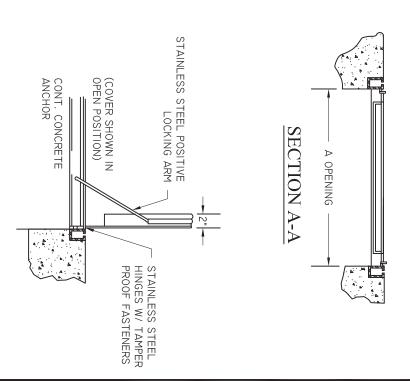
WETWLL ACCESS HATCH

NOT TO SCALE

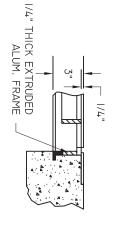
W/II + V/II - 7 - 7 - 7	DIMENSION	ISION	- - - - - - - - - - - - - - - - - - -
WE WELL DIA	Α	С	LIT WI.
6'	32"	48"	24 LBS
8' - 10'	36"	48"	26 LBS

NOTES:

- IMPOSED BY SAFETY GRATE. ALL HATCHES SHALL BE EQUIPPED WITH A SAFETY GRATE. DIMENSIONS "A" & "C" SHALL INCLUDE ANY RESTRICTION
- FOR LOCATION OF ACCESSORIES SEE PUMP OUTLINE DIMENSIONS.
- ωŅ HATCH SHALL BE EQUIPPED WITH A PAD-LOCKABLE RECESSED LOCKING MECHANISM.
- 4 HATCH DIMENSIONS SHOWN ARE MINIMUM SIZES ALLOWED THE ENGINEER SHALL BE RESPONSIBLE FOR VERIFYING MINIMUM
- . П HATCH DIMENSIONS FOR PUMP SELECTED. FLOATS AND BUBBLER SHALL BE HUNG FROM THE SAFETY GRATE.



SECTION B-B



SECTION C-C

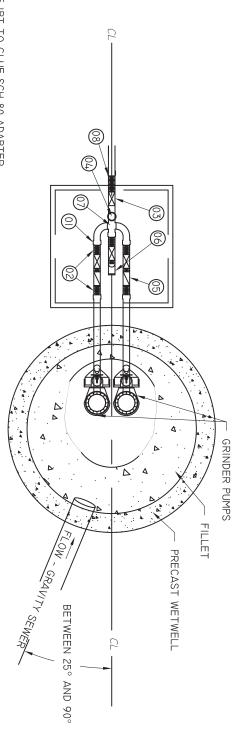
WATER & SEWER AUTHORITY BEAUFORT - JASPER

PUMP STATION HATCH DETAIL

APPROVED BY ERS BMC S-19

07/01/09

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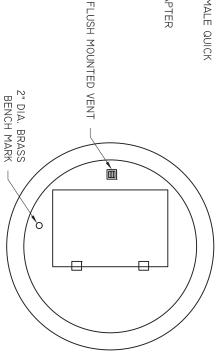


- 2" FEMALE IPT TO GLUE SCH 80 ADAPTER
- 2" BRASS NIPPLE
- LEGEND
 01. 2" F
 02. 2" B
 03. 4 04. 2"XI 4 - 2" SCH. 80 PVC TRUE UNIONIZED BALL VALVE 2"X|"X2" PVC SCH 80 TEE W/ I/2" THREADS, BRASS OR SS NIPPLES, I/2" SS BALL VALVE, NIPPLE, QUICK DISCONNECT, AND QUICK DISCONNECT BALNK END.
- 2 " FLAPPER CHECK VALVES
- 05. 2" STREET ELBOW, NIPPLE, AND CAM LOCK MALE QUICK DISCONNECT
- 07.
- 2" CROSS 2" BRASS NIPPLE AND HDPE TO THREAD ADAPTER

NOTES:

- EARLIER PUMP STATION DRAWINGS. ON THIS DRAWING SHALL BE INSTALLED AND CONSTRUCTED AS SET FORTH IN PUMP STATION COMPONENTS NOT SHOWN
- PIT SHOULD BE 18" DEEP. FORCE MAIN FROM WETWELL TO VALVE

SUB-SURFACE PLAN

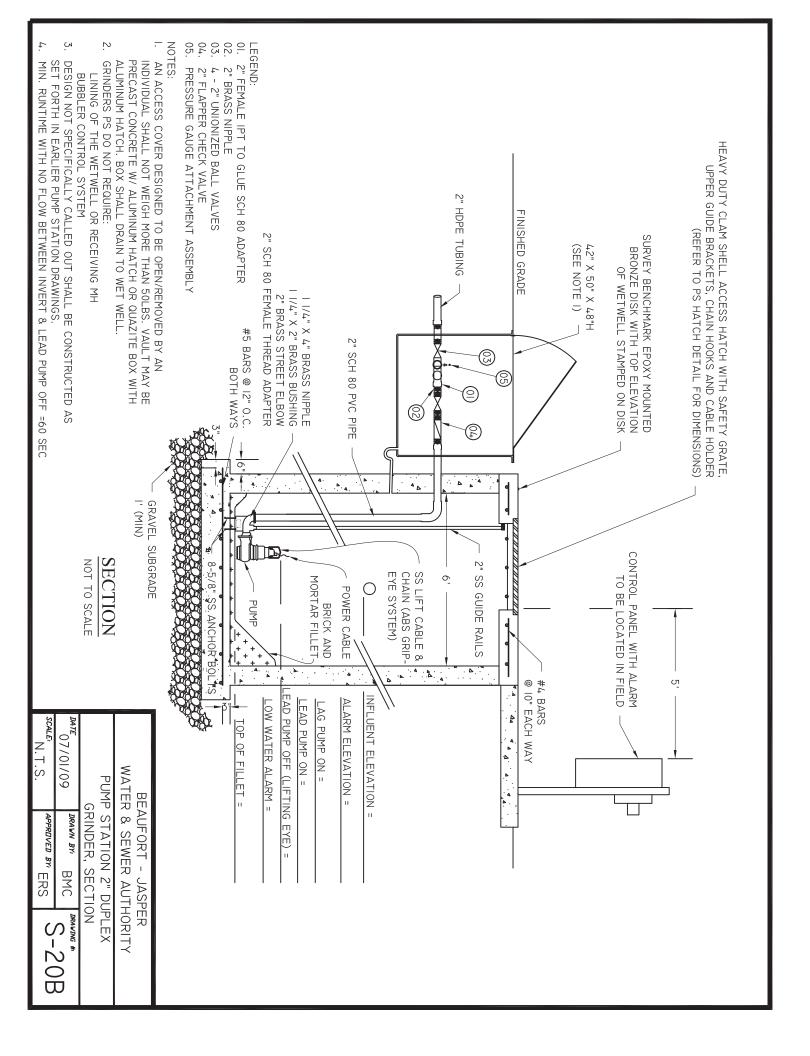


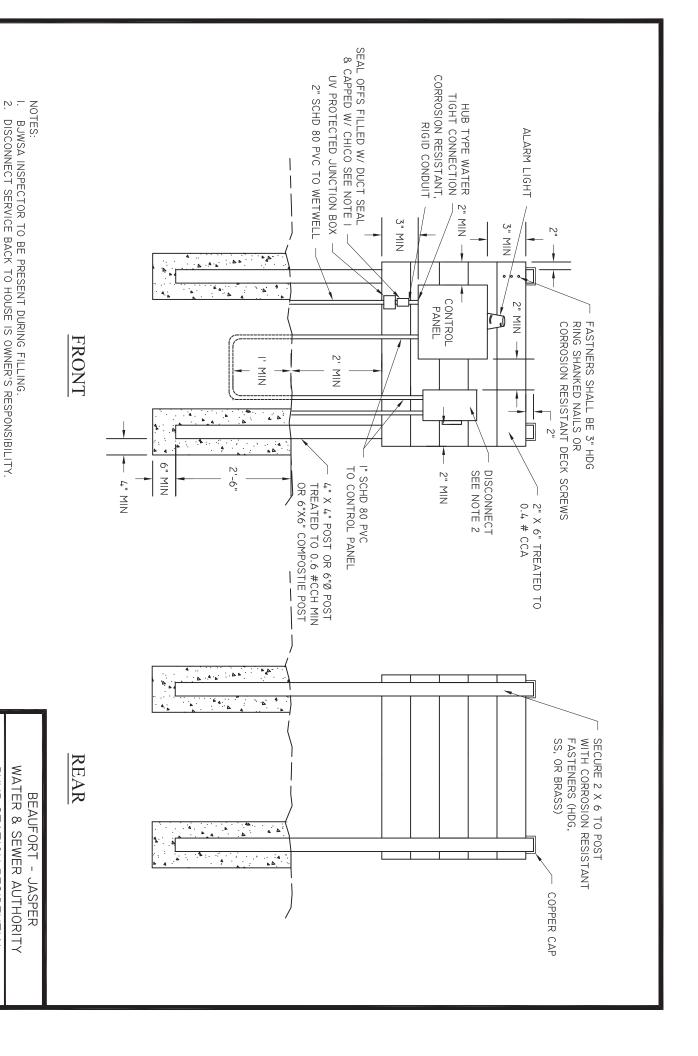
WETWELL TOP

WATER & SEWER AUTHORITY BEAUFORT - JASPER

PUMP STATION 2" DUPLEX GRINDER, PLAN

AO7-O	ERS er	APPROVED BY	SCALE, N.T.S.
DRAWING #:	^{Bγ} ′ BMC	DRAWN BY	07/01/09





DATE 07/01/09 SCALE; N.T.S.

APPROVED BY ERS

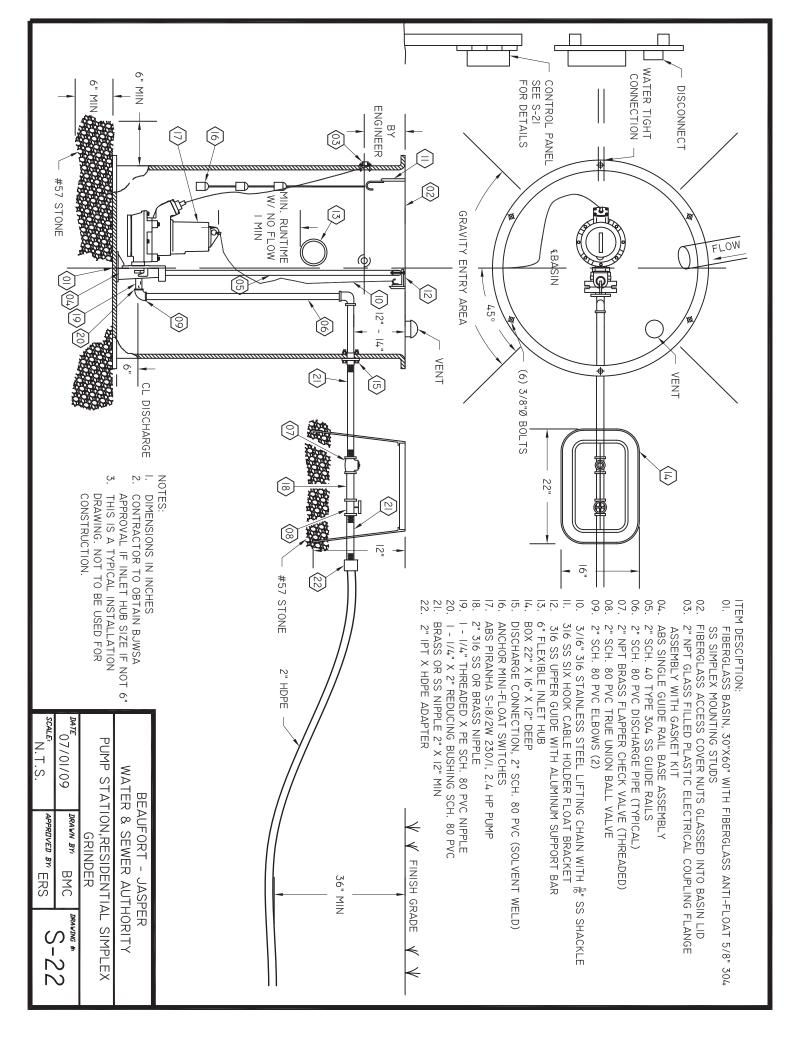
S-2

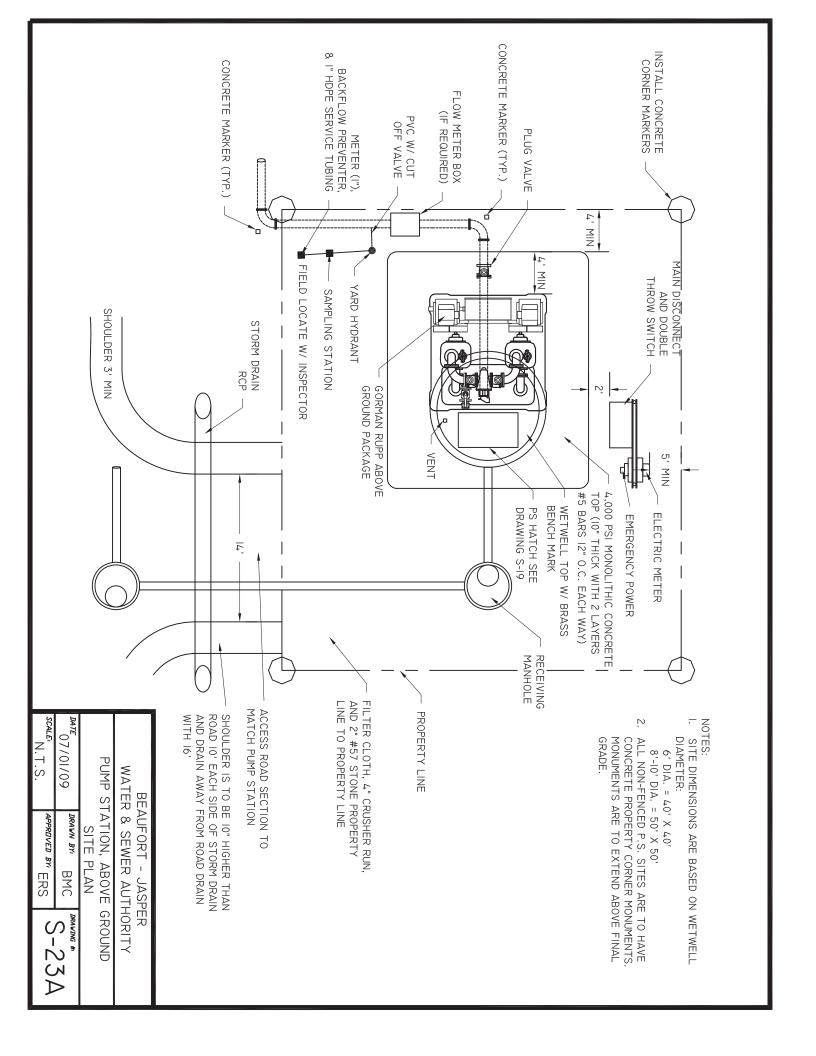
PUMP STATION RESIDENTIAL

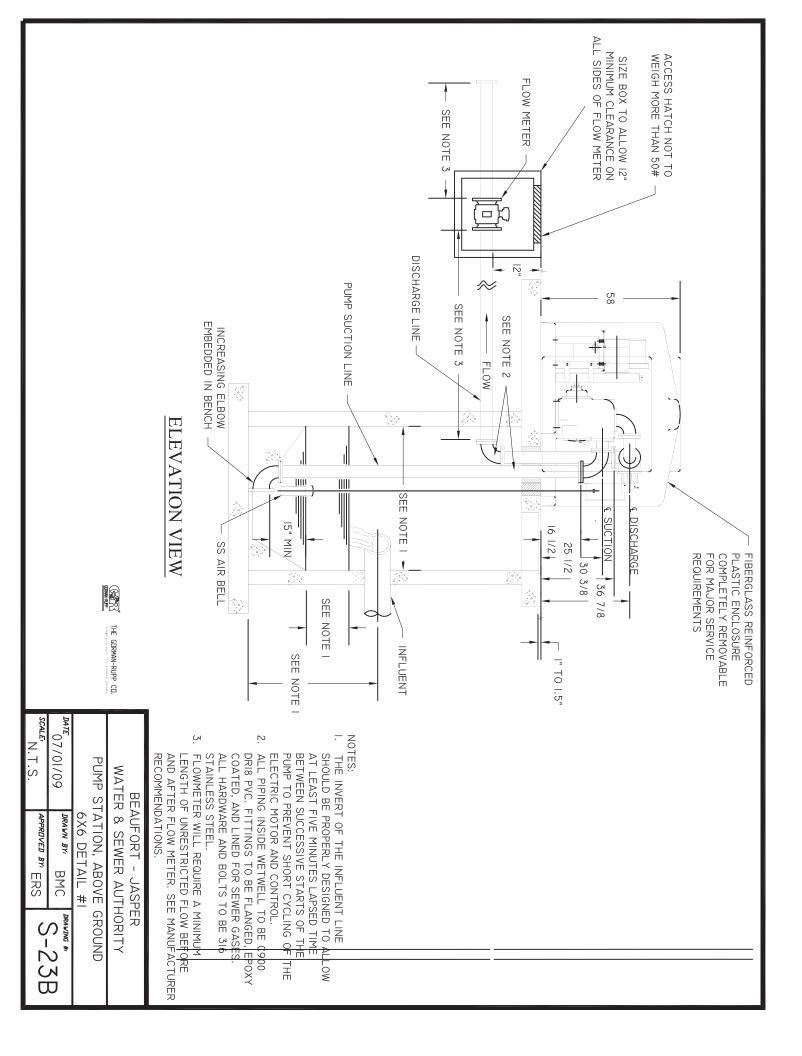
CONTROL PANE

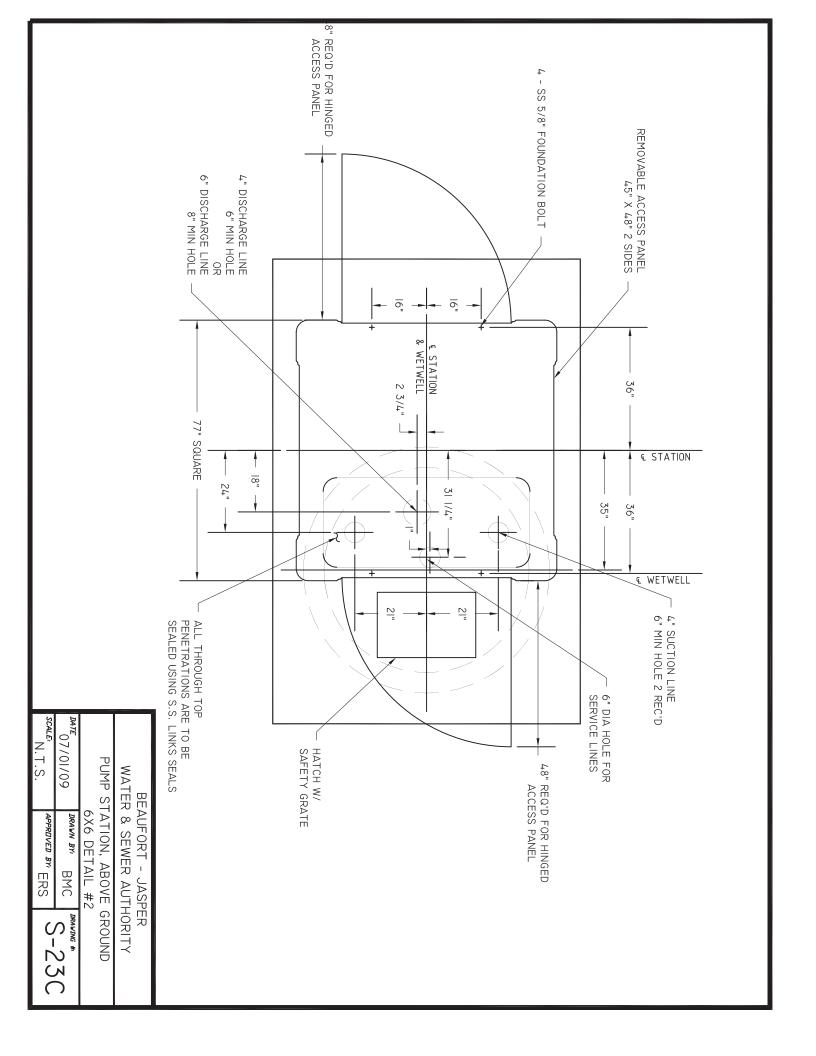
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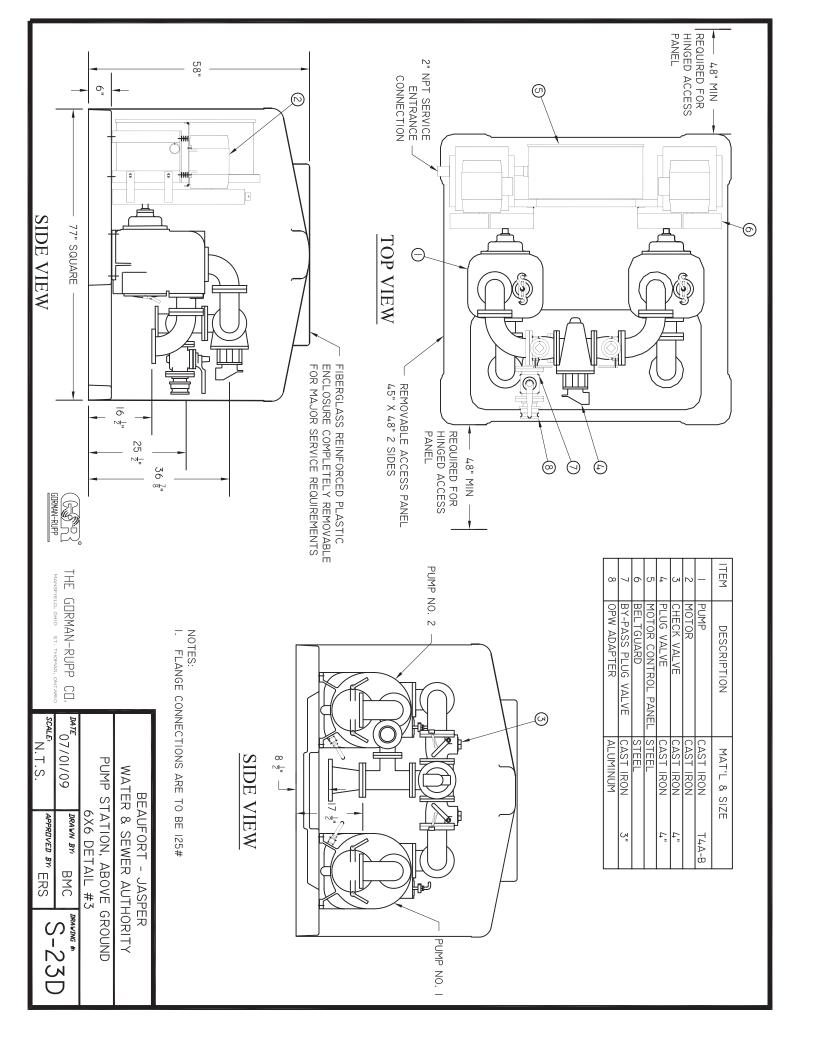
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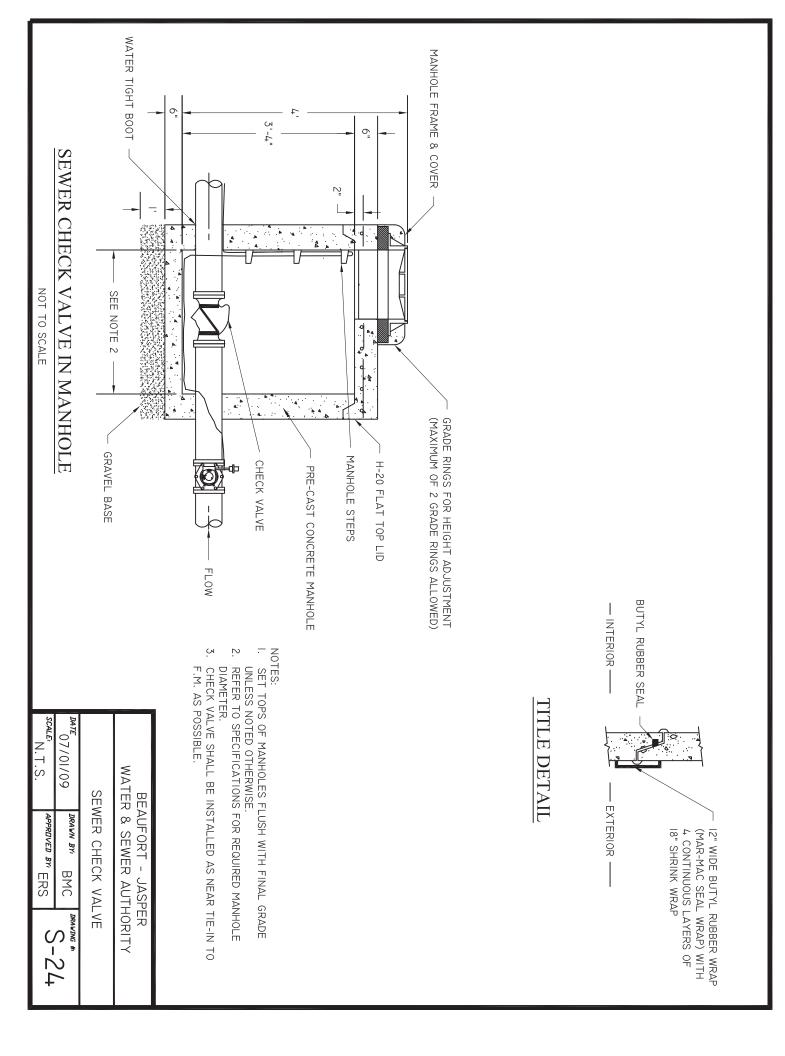


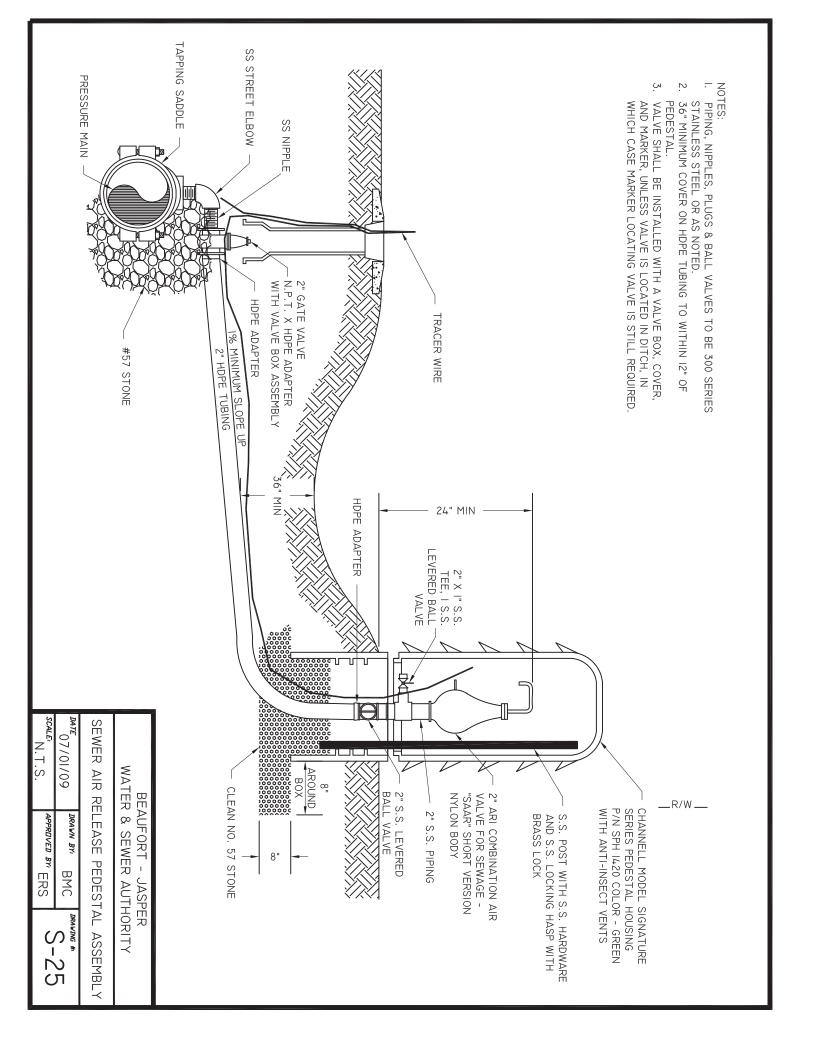


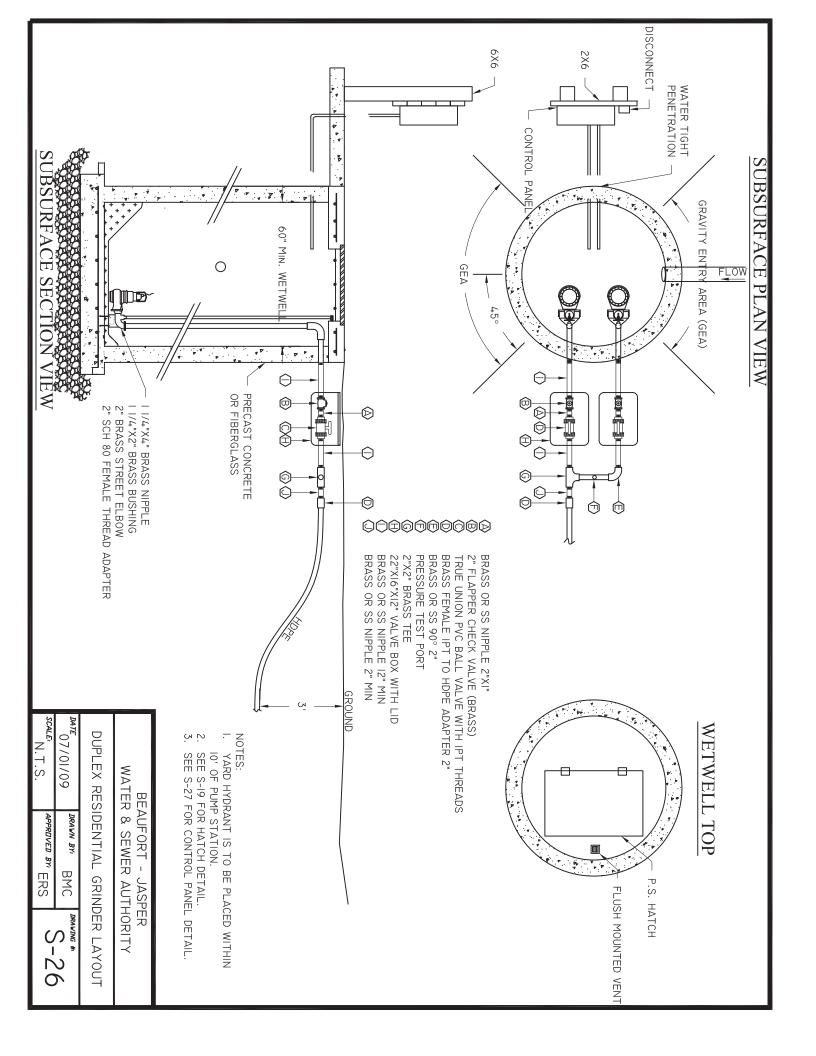


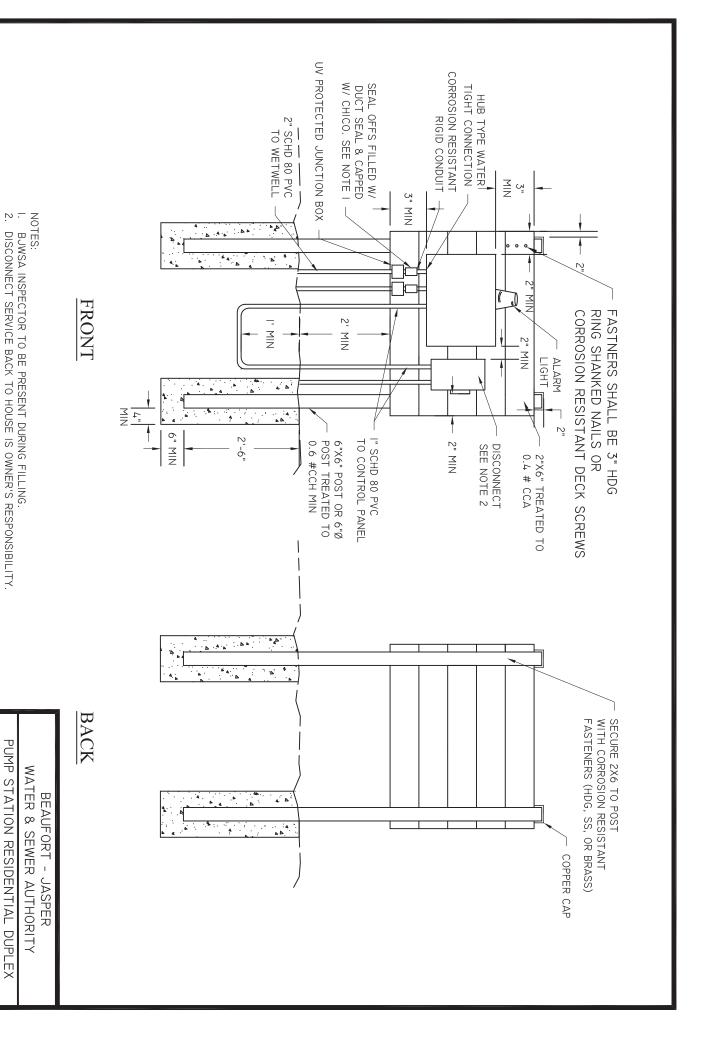












07/01/09

PUMP STATION RESIDENTIAL DUPLEX

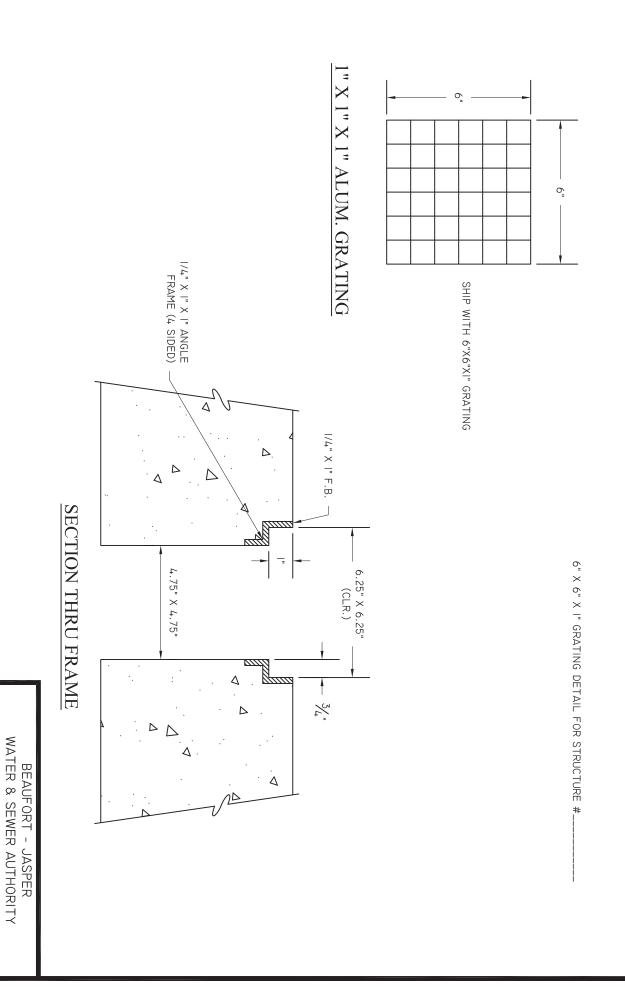
CONTROL PANE

DRAWN BY

BMC

N.T.S.

APPROVED BY ERS



DATE 07/01/09

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BMC

S-28

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PUMP STATION 6X6 GRATE DETAIL