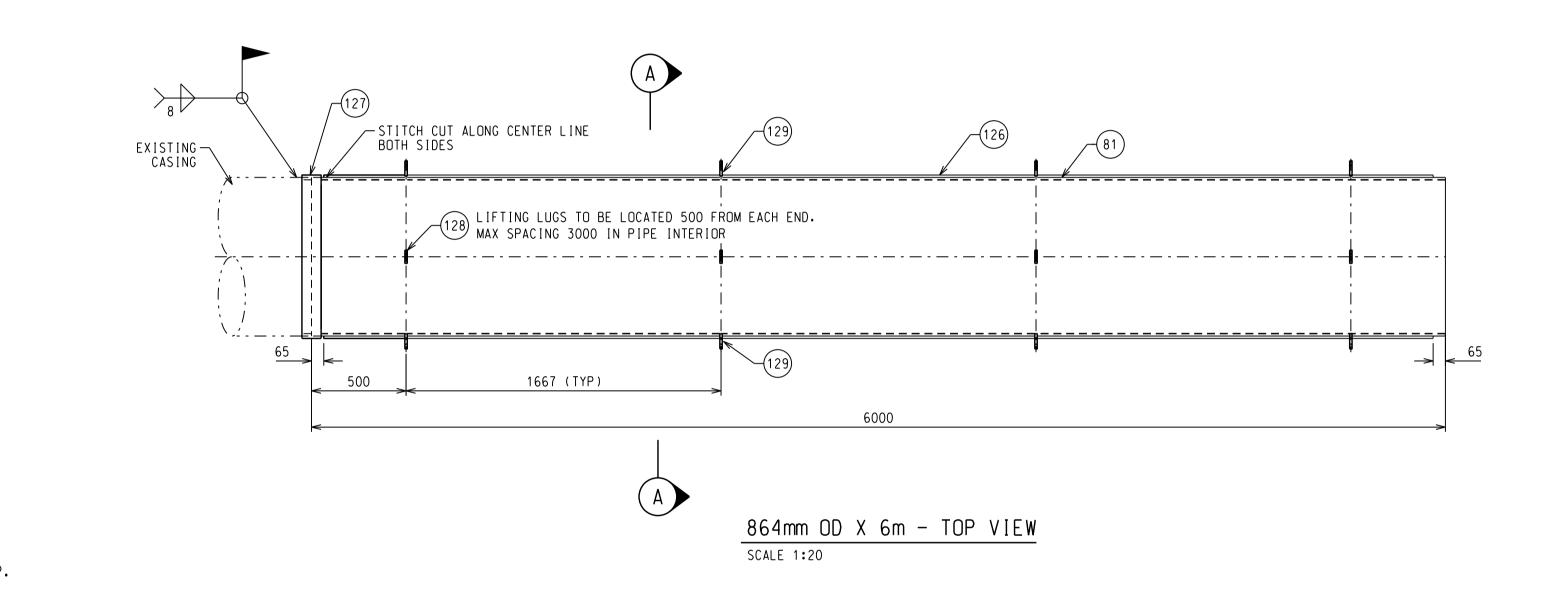
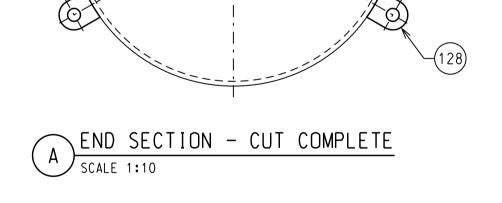


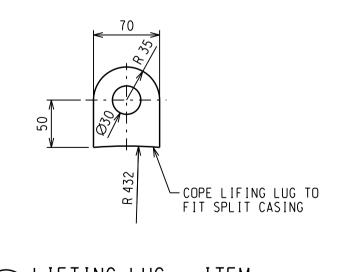
# SEND SECTION - PREPARED FOR CUT SCALE 1:10

CUT\_LINE

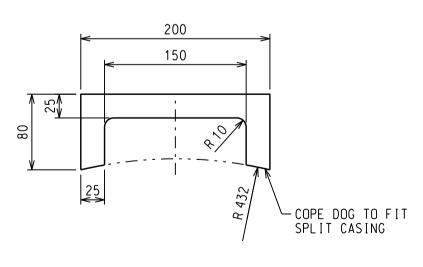




\_\_\_\_\_CUT\_LINE







## NOTES:

- DIMENSIONS IN mm UNLESS OTHERWISE NOTED. - FABRICATION DRAWING IS FOR FABRICATION OF SPLIT CASING NOT INSTALLATION OF SPLIT CASING, REFER TO FORTISBC DWG 99000-M-000-170 'TYPICAL SPLIT CASING NEW OR EXTENSION' FOR INSTALLATION DETAILS.
- FABRICATION OF SPLIT CASING FROM PIPE. REFER TO CONSTRUCTION DRAWING FOR SPLIT CASING LENGTH. (42004-P-600-1007). TO SHIP TWELVE (x12) INDIVIDUAL SPLIT CASING ASSEMBLY TO SITE (6m)

#### FABRICATION NOTES:

- 1. CUT AND ARRANGE PIPE LENGTHS TO REQUIRED SPLIT CASING DIMENSIONS. a. 6m PIPE.
  - b. IDENTIFY EACH SPLIT CASING. MARK BOTH HALVES OF SPLIT CASINGS BY IDENTIFYING THE MATCHING ENDS SO THEY CAN BE ASSEMBLED ON SITE MATCHING ORIGINAL POSITION.
- 2. MARK FABRICATION REQUIREMENTS a. CUT LINE DOWN BOTH SIDES OF PIPE (END SECTION - PREPARED FOR CUT - 'A') b. CENTERLINE OF DOG LOCATIONS
  - c. LIFTING LUG LOCATIONS INSTALL LIFTING LUGS AND DOGS
- 4. COMPLETE STITCH CUT ALONG CUT LINE ON BOTH SIDES OF PIPE (300mm CUT,
- 75mm UNCUT) LEAVING ADDITIONAL 300mm UNCUT CENTERED AT DOG LOCATION. 5. SEPARATE PIPE INTO TWO HALVES (DOGS WILL HOLD PIPE TOGETHER)
- a. CUT REMAINING 75mm STITCHES BETWEEN DOG LOCATIONS b. CUT REMAINING 300mm LOCATIONS UNDERNEATH DOG LOCATIONS 6. CUT LONGITUDINAL FLAT BAR TO REQUIRED LENGTHS (PART 126). PLACE
- LONGITUDINAL FLAT BAR THROUGH DOGS. STOP 65mm FROM ENDS OF SPLIT CASING. 7. WELD LONGITUDINAL FLAT BAR TO BOTTOM HALF OF SPLIT CASING. WEDGE THE
- FLAT BAR TO SECURE IN CENTER OF CUT. TACK BOTH SIDES. COMPLETE WELD. COMPLETE FOR BOTH SIDES. (NOTE FIELD CREW WILL JOINT SPLIT CASING HALVES ON SITE BY WELDING THE TOP OF THE LONGITUDINAL BAR TO THE TOP OF THE SPLIT CASING.)
- 8. REMOVE DOGS IN A CONTROLLED MANNER TO CONTROL RELEASE OF POTENTIAL TENSION IN PIPE (I.E. CHAINS OR STRAPS AT EACH DOG LOCATION)

- 9. SEPARATE SPLIT CASING HALVES. GRIND AND CUT SLAG FROM CUT EDGES TO SIMPLIFY FIELD INSTALLATION.

  10. ALL WELDING TO CSA W59.

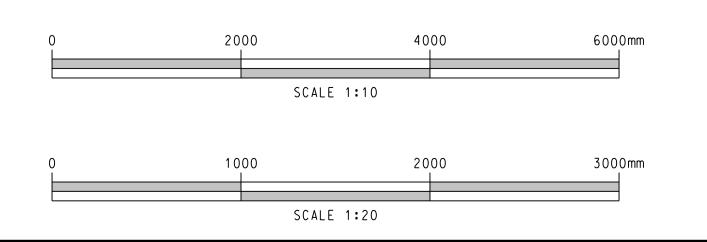
  11. MPI LIFTING LUGS ONLY, NO OTHER NDI REQUIRED.

  12. VISUAL INSPECTION ON ALL WELDS TO CSA W59.

  13. CASING VENT TO BE INSTALLED ON SITE PER STANDARD DRAWING 99000-M-000-169.

### REFERENCE DRAWINGS:

TYPICAL CASING DESIGN 99000-M-000-169 99000-M-000-170 TYPICAL SPLIT CASING NEW OR EXTENSION 42004-P-600-1007 CASING EXTENSION PLAN AND PROFILE



BOTH SIDES

WELD FLAT BAR ENTIRE LENGTH OF BOTTOM SIDE

							FO!
ENGINEERING SERVICES	RO	ISSUED FOR CONSTRUCTION	J.FULTON	S.AUJLA		2023-07-27	
ВҮ	No.	REVISION	DRAWN	DESIGNED	CHECKED	DATE(YYYY-MM-DD)	
			PREVIOUS DR.	NO		SCALE- AS SHOWN	PERMIT TO PRACTICE No.

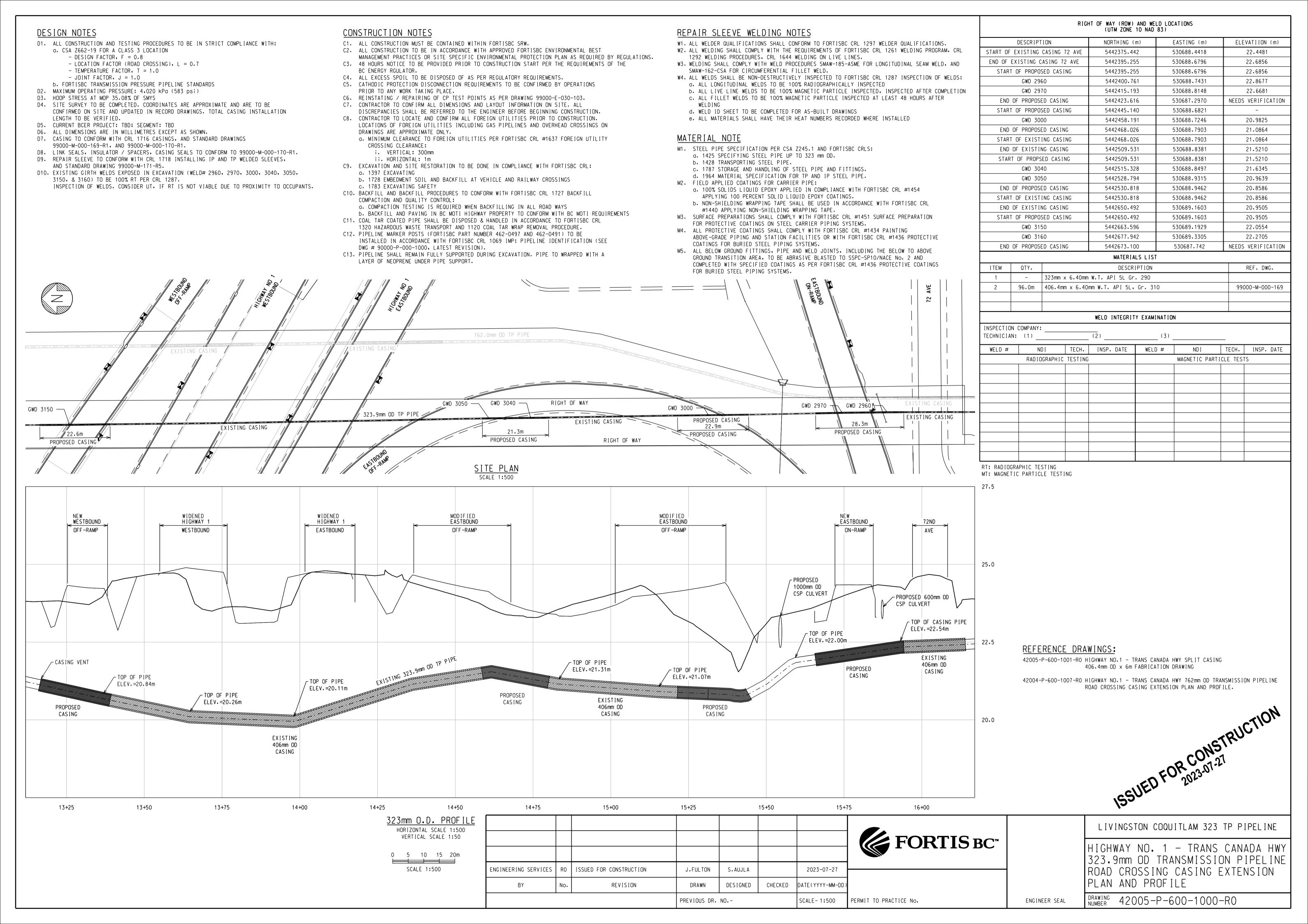
FORTIS BC

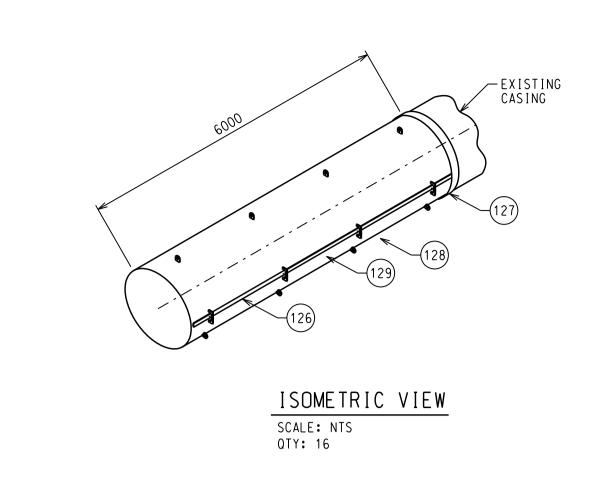
HUNTINGDON NICHOL 762 TP PIPELINE

HIGHWAY NO. 1 - TRANS CANADA HWY SPLIT CASING 864mm OD x 6m FABRICATION DRAWING

ENGINEER SEAL

42004-P-600-1008-R0





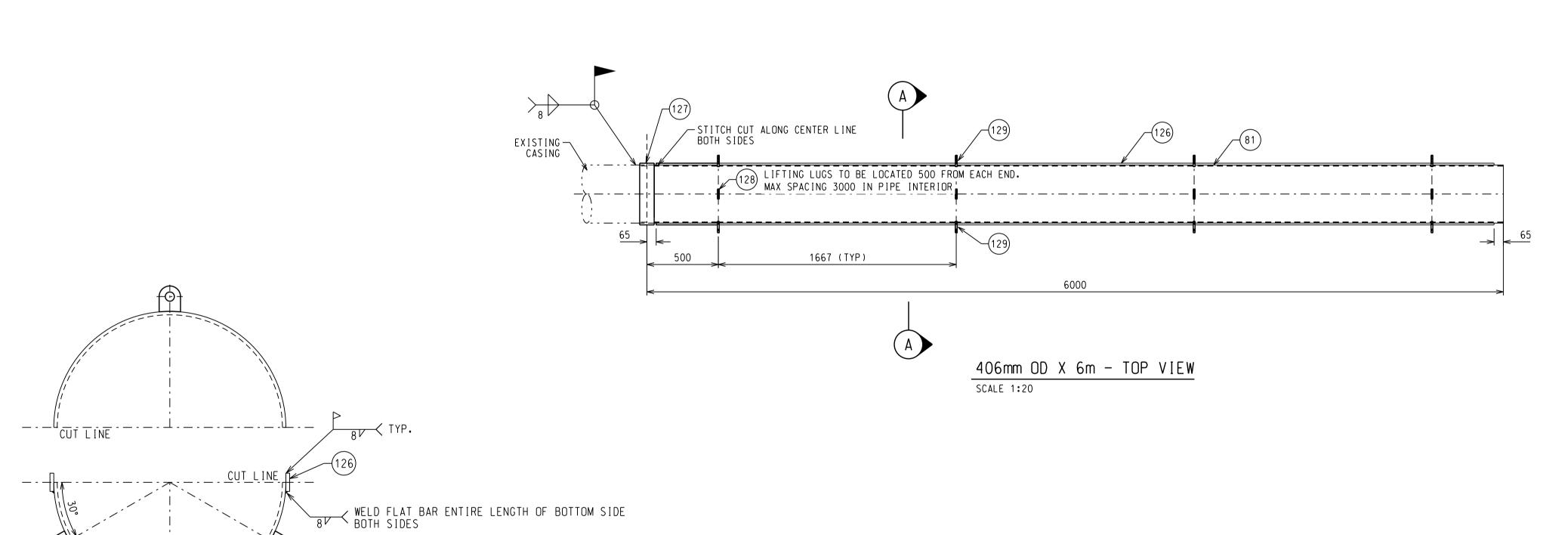
NPS	16	/ 4(	06mm 0D			BILL OF MATE	RIALS		
ITEM NO.	QUANITY # count		NOMINAL SIZE (mm OD)	RATING / WT	CONN	MATERIAL	PART NAME	NOTES	FBC PART NO.
81	6	m	NPS 16 / 406mm	6.4mm	BE	ASTM A252 Gr.3	PIPE	BARE PIPE TO BE INSTALLED AS SPLIT CASING ON LIV COC 323. PURCHASE DRL	
126	12	m	60mm (WIDTH)	12.7mm		CSA G40.21 300W	SPLIT CASING, GUIDE BAR (LONGITUDINAL JOINT)	STEEL BAR (2" WIDE, 1/2" THICK) MANUFACTURE GUIDE BAR FROM STEEL PLATE	
127	1	ea	100mm (WIDTH)	9.5mm		CSA G40.21 300W	SPLIT CASING, WELD BAND (CIRCUMFERENTIAL JOINT)	STEEL BAR (4" WIDE, 3/8" THICK) FIELD INSTALL, SHIP MANUFACTURED PARTS WITH SPLIT CASING	•
128	12	ea		12.7mm		CSA G40.21 300W	LIFTING LUG	MANUFACTURE LIFTING LUGS FROM STEEL PLATE	
129	8	ea		12.7mm		CSA G40.21 300W	DOG	MANUFACTURE DOGS FROM STEEL PLATE	



NET SECTION − CUT COMPLETE

A | SCALE 1:10

\_CUT\_LINE\_



COPE LIFING LUG TO

LIFTING LUG - ITEM
SCALE 1:4

## NOTES:

- DIMENSIONS IN mm UNLESS OTHERWISE NOTED. - FABRICATION DRAWING IS FOR FABRICATION OF SPLIT CASING NOT INSTALLATION OF
- SPLIT CASING, REFER TO FORTISBC DWG 99000-M-000-170 'TYPICAL SPLIT CASING NEW OR EXTENSION' FOR INSTALLATION DETAILS. - FABRICATION OF SPLIT CASING FROM PIPE. REFER TO CONSTRUCTION DRAWING FOR SPLIT CASING LENGTH. (42005-P-600-1000). TO SHIP SIXTEEN (×16) INDIVIDUAL

#### FABRICATION NOTES:

SPLIT CASING ASSEMBLY TO SITE (6m)

- 1. CUT AND ARRANGE PIPE LENGTHS TO REQUIRED SPLIT CASING DIMENSIONS. a. 6m PIPE.
- b. IDENTIFY EACH SPLIT CASING. MARK BOTH HALVES OF SPLIT CASINGS BY IDENTIFYING THE MATCHING ENDS SO THEY CAN BE ASSEMBLED ON SITE MATCHING ORIGINAL POSITION.
- 2. MARK FABRICATION REQUIREMENTS a. CUT LINE DOWN BOTH SIDES OF PIPE (END SECTION - PREPARED FOR CUT - 'A') b. CENTERLINE OF DOG LOCATIONS
- c. LIFTING LUG LOCATIONS INSTALL LIFTING LUGS AND DOGS
- 4. COMPLETE STITCH CUT ALONG CUT LINE ON BOTH SIDES OF PIPE (300mm CUT,
- 75mm UNCUT) LEAVING ADDITIONAL 300mm UNCUT CENTERED AT DOG LOCATION. 5. SEPARATE PIPE INTO TWO HALVES (DOGS WILL HOLD PIPE TOGETHER)
- a. CUT REMAINING 75mm STITCHES BETWEEN DOG LOCATIONS b. CUT REMAINING 300mm LOCATIONS UNDERNEATH DOG LOCATIONS
- 6. CUT LONGITUDINAL FLAT BAR TO REQUIRED LENGTHS (PART 126). PLACE LONGITUDINAL FLAT BAR THROUGH DOGS. STOP 65mm FROM ENDS OF SPLIT CASING.
- 7. WELD LONGITUDINAL FLAT BAR TO BOTTOM HALF OF SPLIT CASING. WEDGE THE FLAT BAR TO SECURE IN CENTER OF CUT. TACK BOTH SIDES. COMPLETE WELD. COMPLETE FOR BOTH SIDES. (NOTE FIELD CREW WILL JOINT SPLIT CASING HALVES ON SITE BY WELDING THE TOP OF THE LONGITUDINAL BAR TO THE TOP OF THE SPLIT CASING.)

- 8. REMOVE DOGS IN A CONTROLLED MANNER TO CONTROL RELEASE OF POTENTIAL TENSION IN PIPE (I.E. CHAINS OR STRAPS AT EACH DOG LOCATION)

  9. SEPARATE SPLIT CASING HALVES. GRIND AND CUT SLAG FROM CUT EDGES TO SIMPLIFY FIELD INSTALLATION.

  10. ALL WELDING TO CSA W59.

  11. MPI LIFTING LUGS ONLY, NO OTHER NDI REQUIRED.

  12. VISUAL INSPECTION ON ALL WELDS TO CSA W59.

  13. CASING VENT TO BE INSTALLED ON SITE PER STANDARD DRAWING 99000-M-000-169.

#### REFERENCE DRAWINGS:

TYPICAL CASING DESIGN 99000-M-000-169

99000-M-000-170 TYPICAL SPLIT CASING NEW OR EXTENSION 42005-P-600-1000 CASING EXTENSION PLAN AND PROFILE

12000mm SCALE 1:5 2000 3000mm SCALE 1:20

ENGINEEDING SERVICES	DO	ISSUED FOR CONSTRUCTION	I FULTON	C ALLII A		2027 07 27	FO
BY BY	RO No.	ISSUED FOR CONSTRUCTION  REVISION	J.FULTON DRAWN	S. AUJLA DESIGNED	CHECKED	2023-07-27 DATE(YYYY-MM-DD)	
			PREVIOUS DR. NO			SCALE- AS SHOWN	PERMIT TO PRACTICE No.

200 150

DOG - ITEM
SCALE 1:4

-COPE DOG TO FIT SPLIT CASING



HIGHWAY NO. 1 - TRANS CANADA HWY SPLIT CASING 406.4mm OD x 6m FABRICATION DRAWING

LIVINGSTON COQUITLAM 323 TP PIPELINE

42005-P-600-1001-R0 ENGINEER SEAL