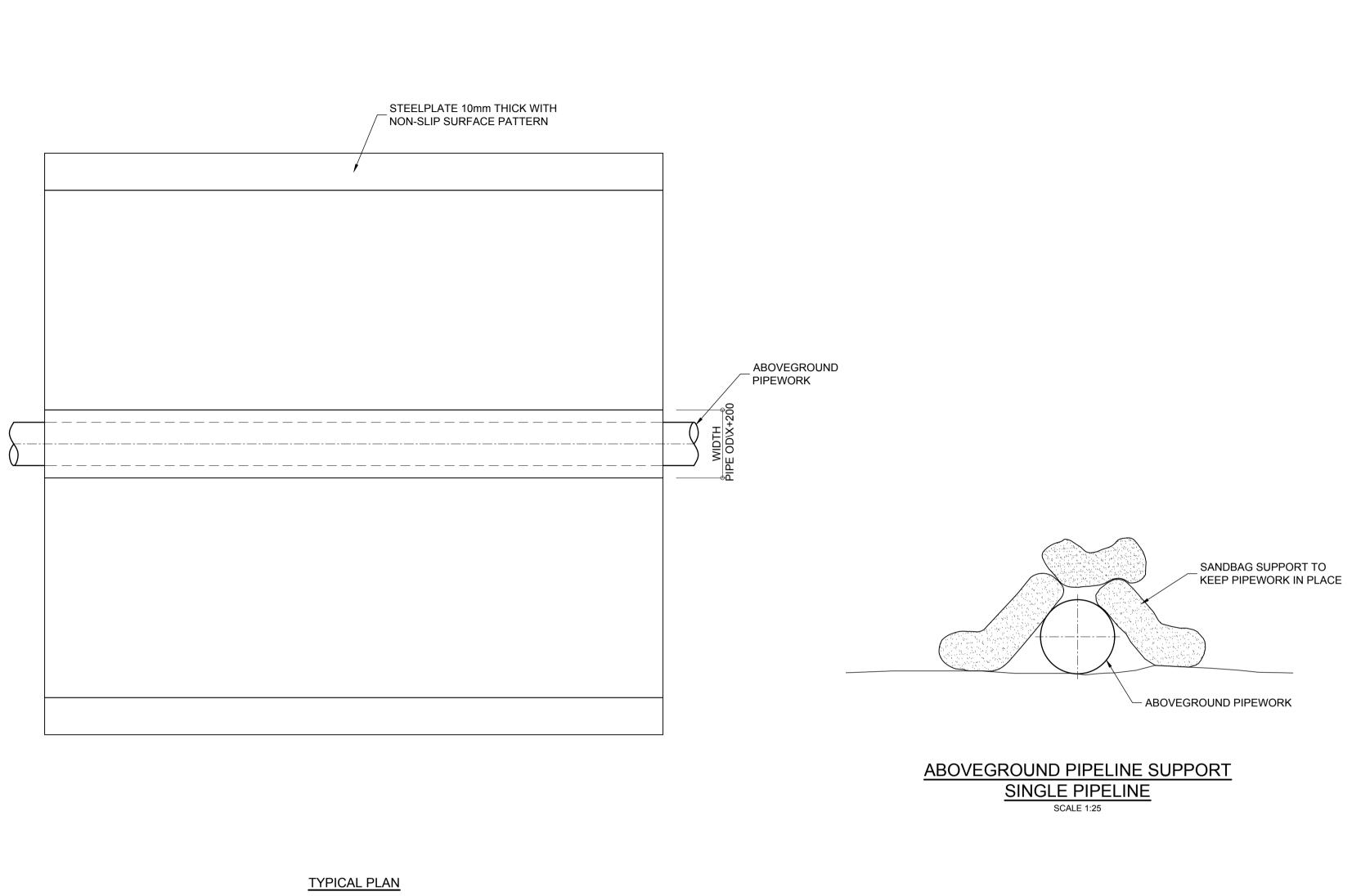
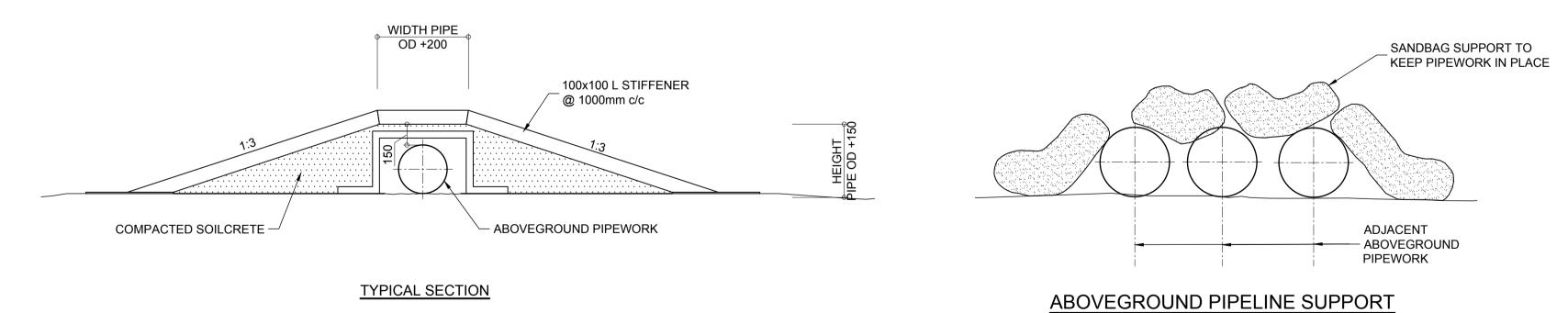
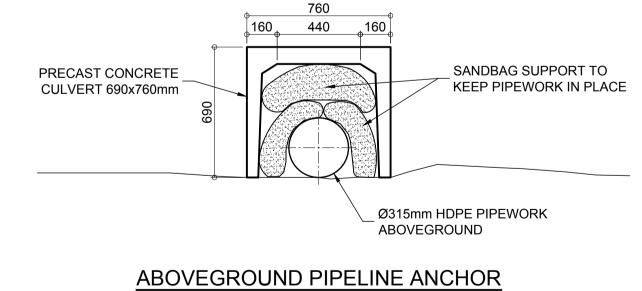
# **ANNEXURE 7A: Typical Details**



# PLAN: ABOVEGROUND PIPELINE ANCHOR BLOCK SUPPORT BENDS FOR UP TO 45°





BLOCK SUPPORT BENDS FOR UP TO 45°

DRAWING DESCRIPTION

FOR INFORMATION ONLY	<b>/</b>
PRELIMINARY	
FOR APPROVAL	
FOR TENDER PURPOSES	
FOR CONSTRUCTION	
AS BUILT	

REV	DATE	REVISION DESCRIPTION	DRAWN	DESIGNED	REV ENGINEER	
Α	11/09/17	FOR INFORMATION	MJ	VJ	КВ	
						CONSULTING ENGINEER
						DATE
						CLIENT
						DATE

TYPICAL VEHICLE CROSS-OVER RAMP FOR A ABOVEGROUND PIPES

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All dimensions must be verified on site before the works commence. Refer any

discrepancies to the Engineer.

MULTIPLE ADJACENT PIPELINES

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CLIENT

WATER RESILIENCI PROJECT

PROJECT

Ø315mm HDPE PIPEWORK

ABOVEGROUND

TYPICAL TEMPORARY

WorleyParsons					
		AS BUILT			
		FOR CONSTRUCTION			
		FOR TENDER PURPOSES			
		FOR APPROVAL			

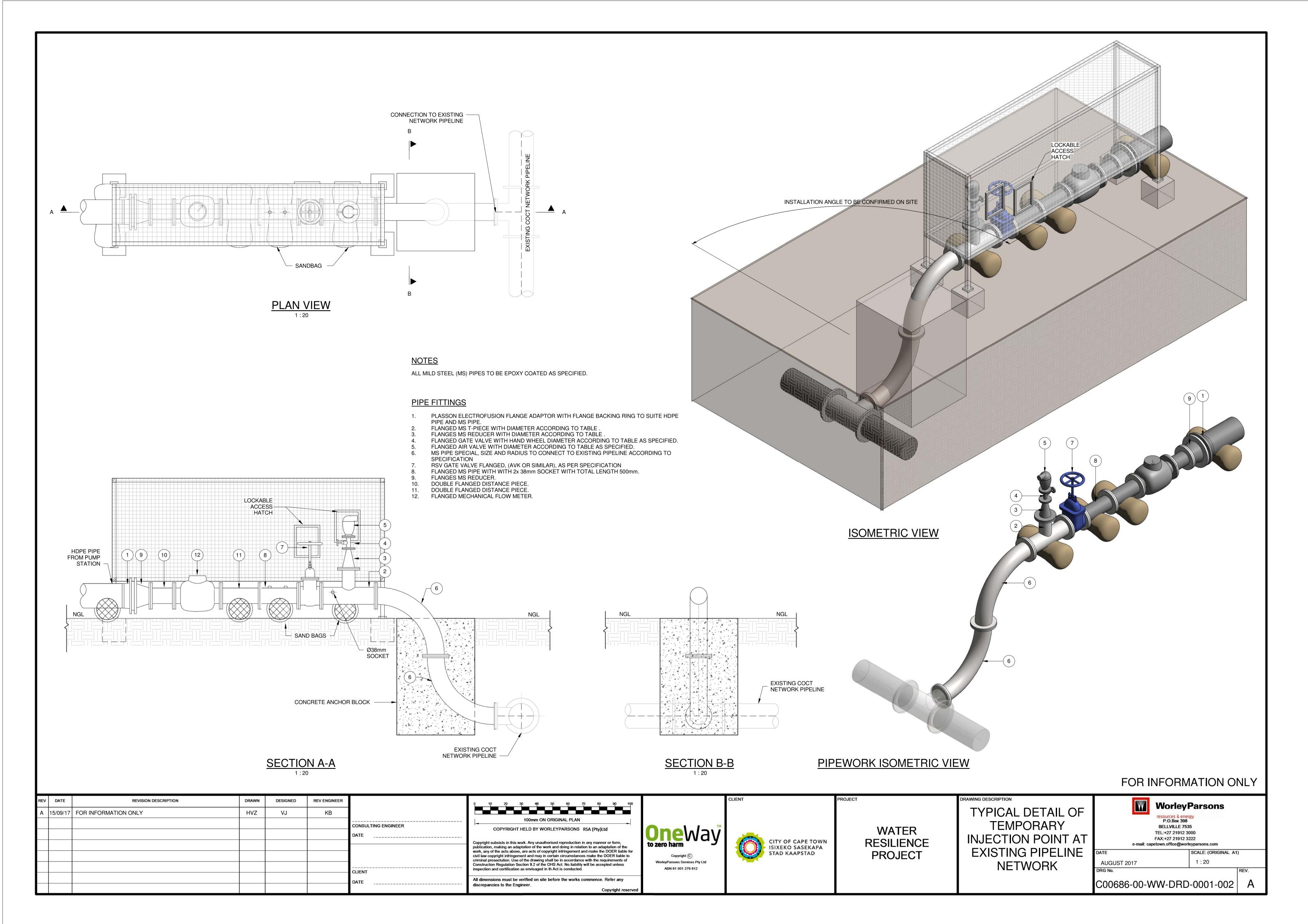
resources & energy P.O.Box 398

BELLVILLE 7535

CE T	PIPELINE CROSS-OVER	TEL:+27 21912 3000 FAX:+27 21912 3222 e-mail: capetown.office@worleyparsons.com			
	RAMP AND PIPELINE SUPPORT	AUGUST 2017	CALE: (ORIGINAL A1)	,	
	33 3	DRG No.		REV.	
		C00686-00-WW-DRD-0	0001-001	Α	

PRECAST CONCRETE

CULVERTS 690x760mm

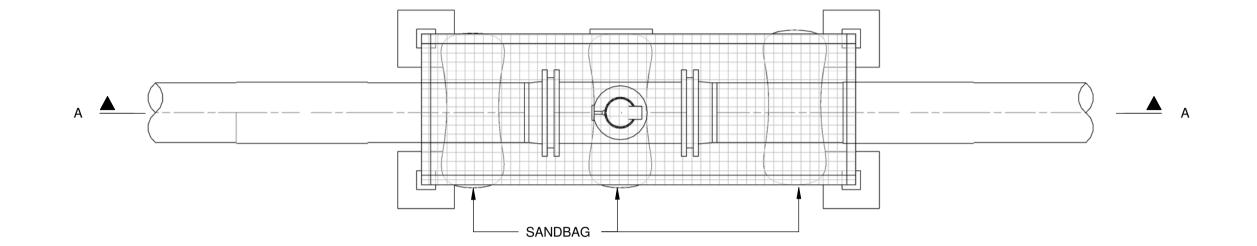


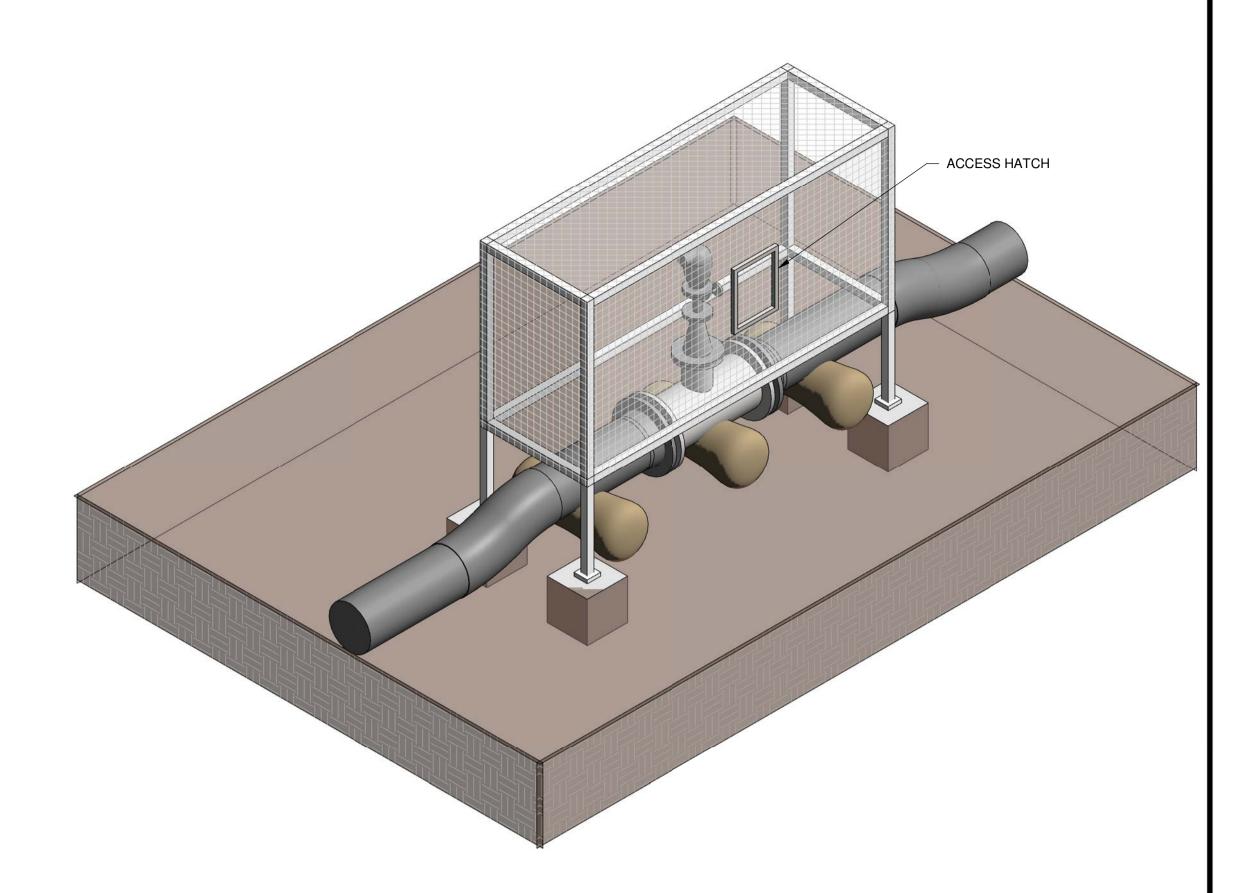
# <u>NOTES</u>

ALL MILD STEEL (MS) PIPES TO BE EPOXY COATED AS PER SPECIFICATION.
CAGES TO BE FITTED WITH REFLECTIVE TAPE ON EDGES.

## PIPE FITTINGS

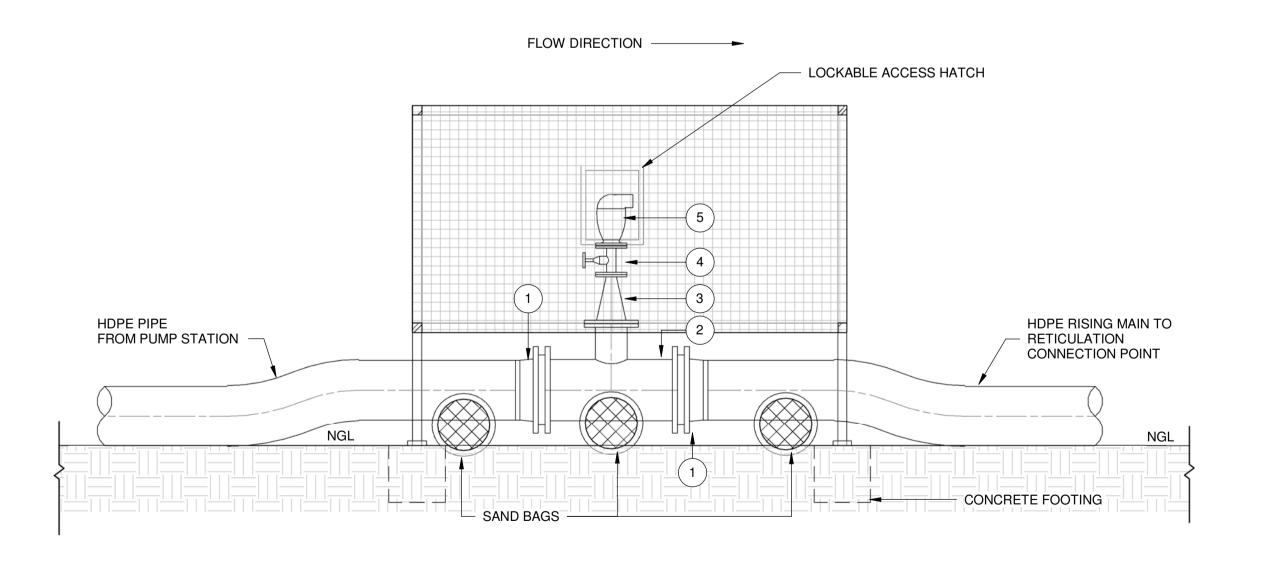
- PLASSON ELECTROFUSION FLANGE ADAPTOR WITH FLANGE BACKING RING. FLANGED MS T-PIECE.
- FLANGED MS REDUCER.
   FLANGED MS REDUCER.
   FLANGED GATE VALVE WITH HAND WHEEL, (AVK OR SIMILAR), AS PER SPECIFICATION.
   FLANGED AIR VALVE, (ARI OR SIMILAR), AS PER SPECIFICATION.

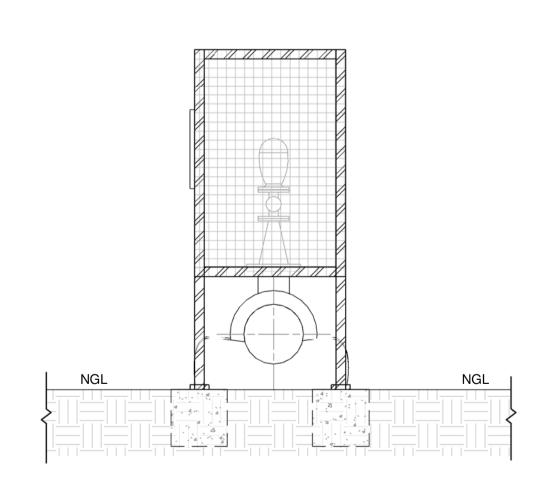


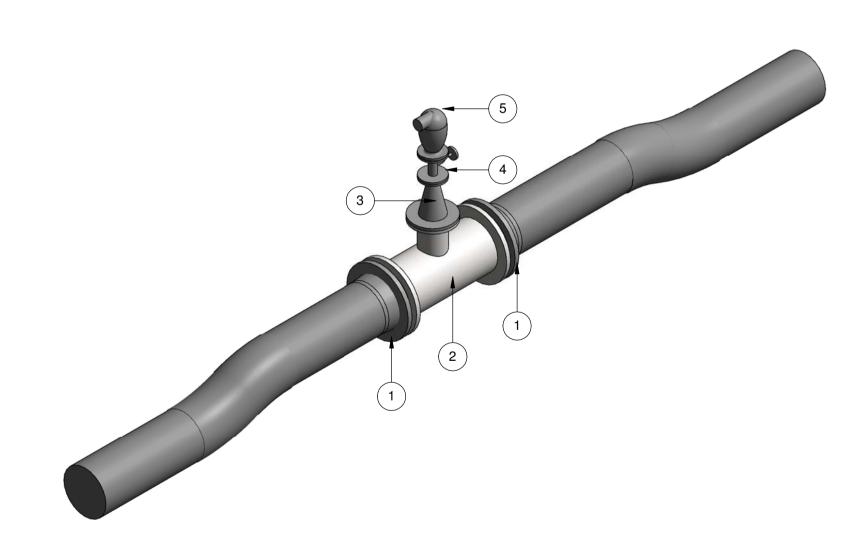


PLAN VIEW









<u>SECTION A-A</u>

SECTION B-B

PIPEWORK ISOMETRIC VIEW

DRAWING DESCRIPTION

FOR INFORMATION ONLY

ı	REV	DATE	REVISION DESCRIPTION	DRAWN	DESIGNED	REV ENGINEER		0 10 20 30 40 50 60 70 80 90 10
	Α	15/09/17	FOR INFORMATION ONLY	HVZ	VJ	KB		
ı								100mm ON ORIGINAL PLAN
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ı							DATE	All dimensions must be verified on site before the works commence. Refer any
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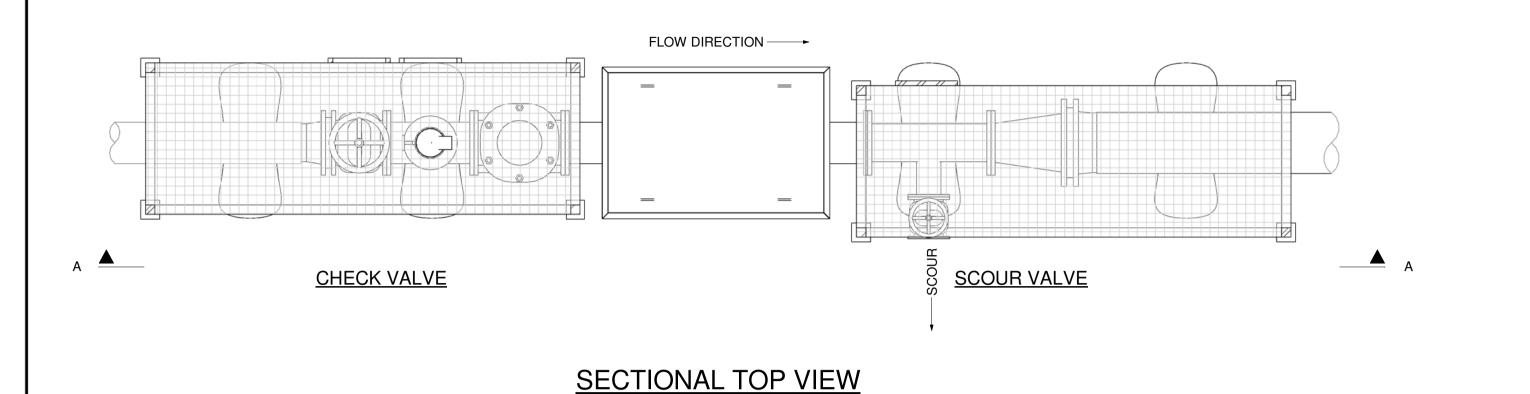
**WATER** RESILIENCE **PROJECT** 

PROJECT

TYPICAL DETAIL OF TEMPORARY ABOVE GROUND AIR VALVE CHAMBER

Wor	leyParsons				
P.O.E	s <mark>&amp; energy</mark> 3ox 398 LLE 7535				
	21912 3000				
	21912 3222				
e-mail: capetown.offic	ce@worleyparsons.com				
E	SCALE: (ORIGINAL A1)				
UGUST 2017	1:20				
No.	DEV.				

C00686-00-WW-DRD-0001-003



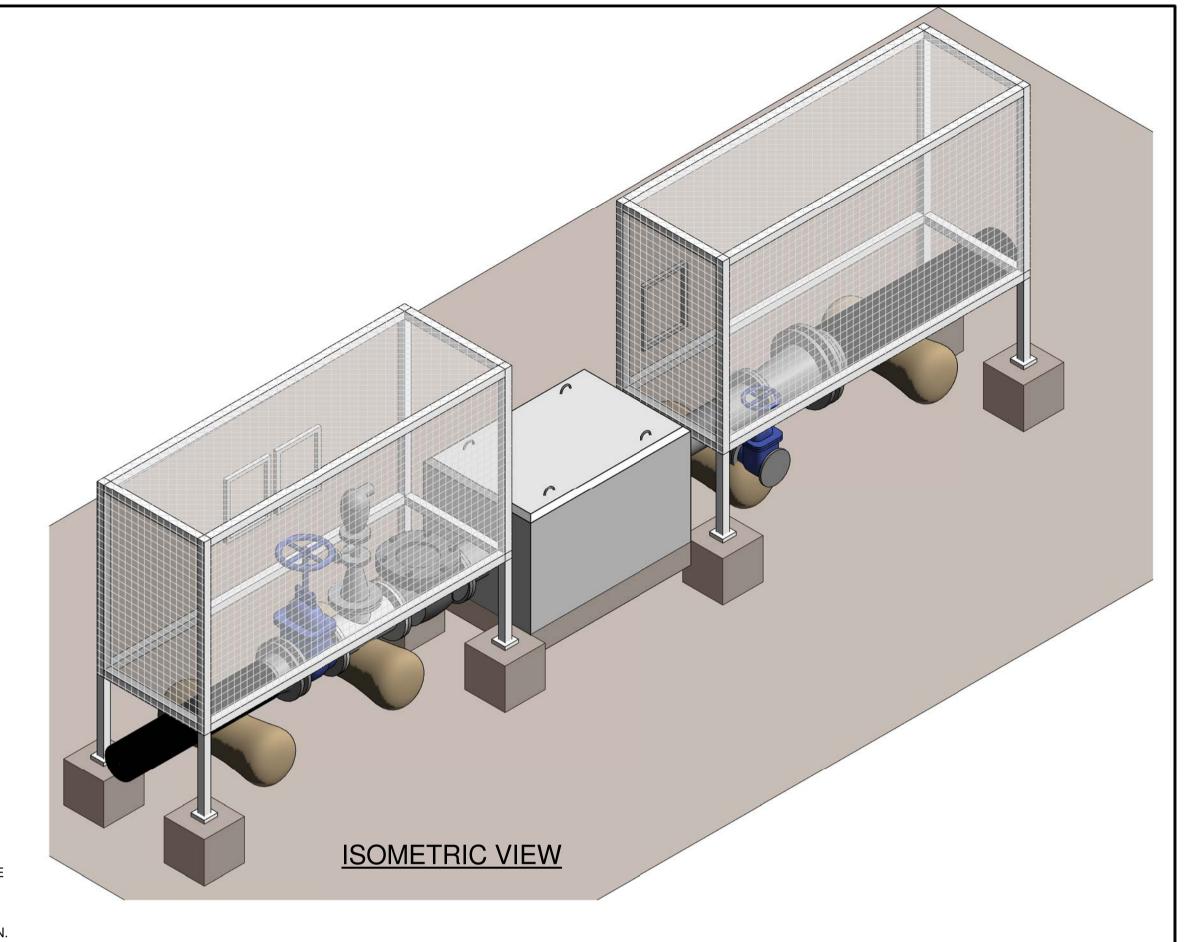
1:20

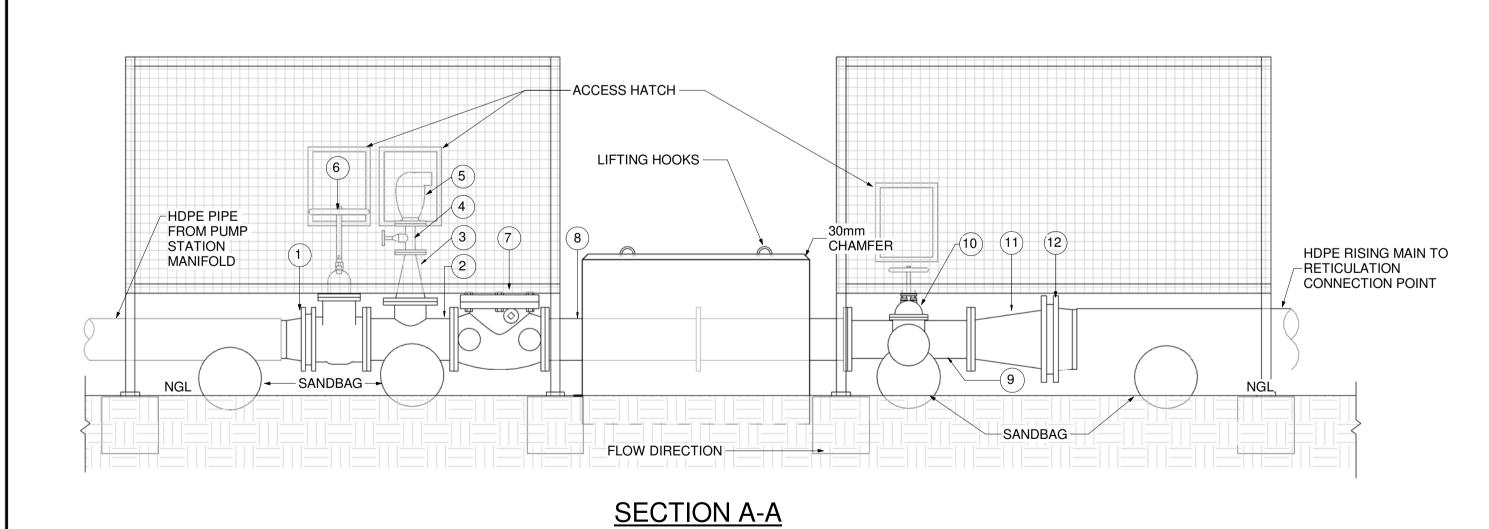
# <u>NOTES</u>

ALL MILD STEEL (MS) PIPES TO BE EPOXY COATED AS PER SPECIFICATION. SCOUR OUTLET SHALL BE AT THE NATURAL DRAINAGE SIDE OF VALVE CHAMBER COMPLETE WITH HDPE PIPING TO NEAREST STORMWATER POINT.

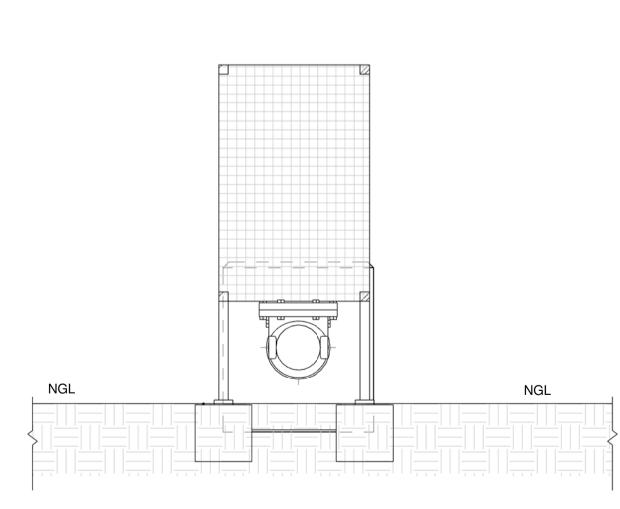
# PIPE FITTINGS

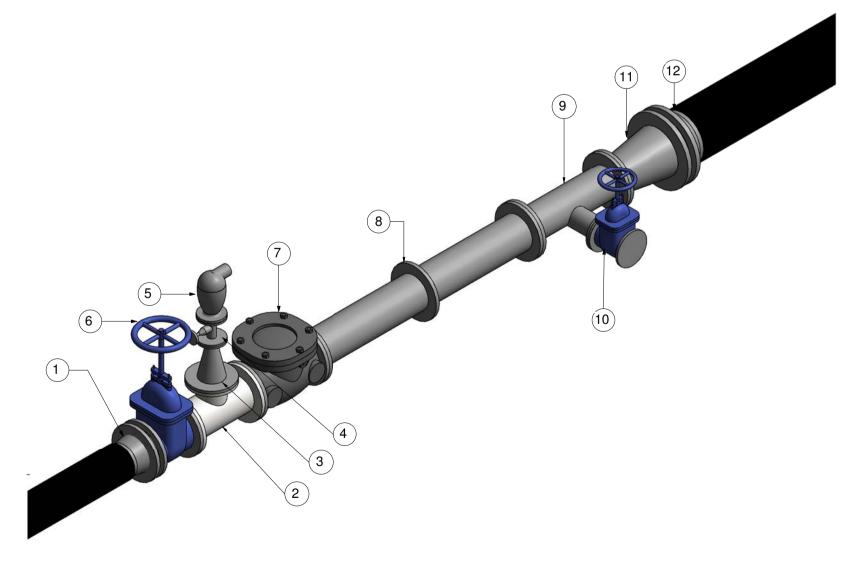
- PLASSON ELECTROFUSION FLANGE ADAPTOR WITH FLANGE BACKING RING TO SUITE
- HDPE PIPE AND MS PIPE. FLANGED MS T-PIECE.
- FLANGED MS REDUCER.
- FLANGED GATE VALVE WITH HAND WHEEL, (AVK OR SIMILAR), AS PER SPECIFICATION. FLANGED AIR VALVE, (ARI OR SIMILAR), AS PER SPECIFICATION.
- FLANGED GATE VALVE WITH HAND WHEEL, (AVK OR SIMILAR), AS PER SPECIFICATION.
- SWING CHECK VALVE FLANGED, (BERMAD OR SIMILAR), AS PER SPECIFICATION. FLANGED MS PUDDLE PIPE WITH TOTAL LENGTH 1600mm, WITH PUDDLE CENTERED AS
- FLANGED MS SCOUR T-PIECE.
- FLANGED GATE VALVE WITH HAND WHEEL, (AVK OR SIMILAR), AS PER SPECIFICATION.
- FLANGED MS REDUCER.
- 12. PLASSON ELECTROFUSION FLANGE ADAPTOR.





1:20





SECTION B-B PIPEWORK- ISOMETRIC VIEW

PROJECT

# FOR INFORMATION ONLY

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Α	15/09/17	FOR INFORMATION ONLY	HVZ	VJ	КВ		
						CONSULTING ENGINEER	100mm
						DATE	
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							Construction Regulation Section 9.2 inspection and certification as envisa
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1:20

**WATER** RESILIENCE **PROJECT** 

TYPICAL DETAIL OF TEMPORARY ABOVE GROUND CHECK/SCOUR VALVE CHAMBER AT POTABLE WATER PUMP STATION

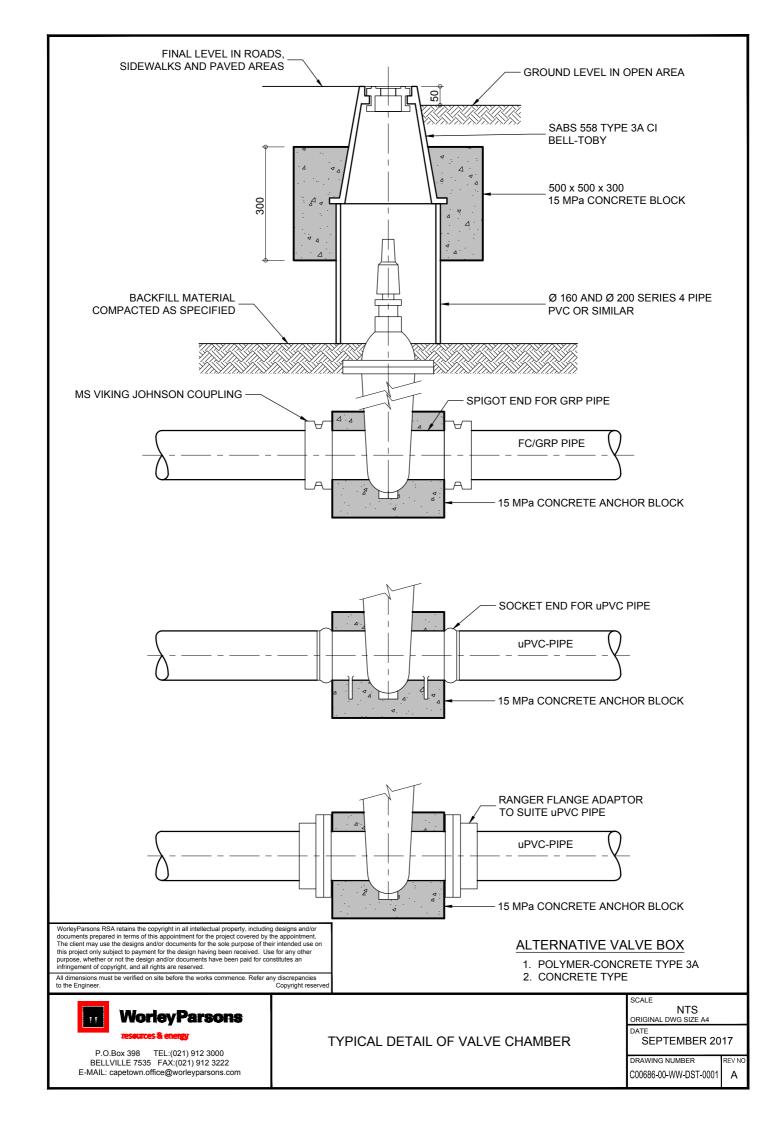
DRAWING DESCRIPTION

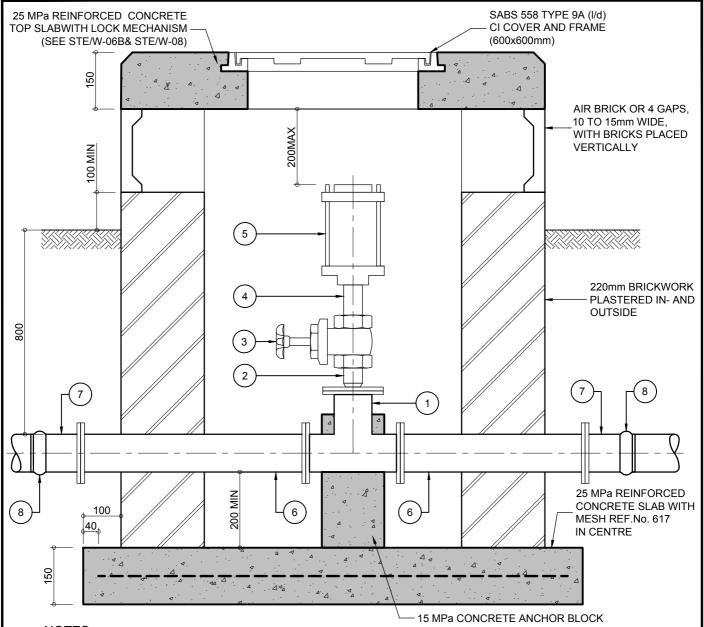
WorleyParsons resources & energy P.O.Box 398 **BELLVILLE 7535** TEL:+27 21912 3000

FAX:+27 21912 3222 e-mail: capetown.office@worleyparsons.com

1:20 AUGUST 2017

C00686-00-WW-DRD-0001-004





## NOTES:

- INSIDE DIMENSIONS OF VALVE CHAMBER IS 1000x1000mm
- BRICKWORK SHALL CONSIST OF GENERAL PURPOSE CLAY BRICKS (SPECIAL) BEDDED IN 1:3 CEMENT MORTAR WITH 1:3 CEMENT PLASTER ON IN- AND OUTSIDE.
- ALL MS PIPE WORK COVERED WITH COPON EP 2300 AS SPECIFIED
- DETERMINE ALL PIPE DIMENSIONS FINAL ON SITE

## PIPE FITTINGS:

- 1. MS T-PIECE FLANGED WITH DIMENSIONS ACCORDING TO TABLE.
- 2. MS REDUCING FLANGE DRILLED IN THE MIDDLE AND TAPPED WITH 50mm PARALELL YELLOW COPPER NIPPLE TOTAL LENGTH 170mm.
- 3. 50mm YELLOW COPPER FULL GATE VALVE (CLASS 8).
- 4. 50mm YELLOW COPPER BODY NIPPLE, LENGTH 190mm
- 5. 50mm VENT-O-MAT RBX AIR VALVE.
- MS PIPE FLANGED (SIZE ACCORDING TO FIT T-PIECE) LENGTH 700mm.
- 7. MS FLANGE ADAPTOR FOR uPVC OR GRP PIPE.
- 8. DEKA COUPLING FOR GRP PIPE.

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## ALTERNATIVE COVER AND FRAME:

- POLYIMER-CONCRETE 600x600mm
- CONCRETE TYPE 9B

ØΡ	IPE	T-PIFCF
GRP	uPVC	1-FILOL
300	315	300 x 250
350	355	350 x 300
400	400	400 x 350



P.O.BOX 398 TEL:(021) 912 3000 BELLVILLE 7535 FAX:(021) 912 3222 E-MAIL: capetown.office@worleyparsons.com TYPICAL DETAIL OF AIR VALVE CHAMBER (TYPE C)

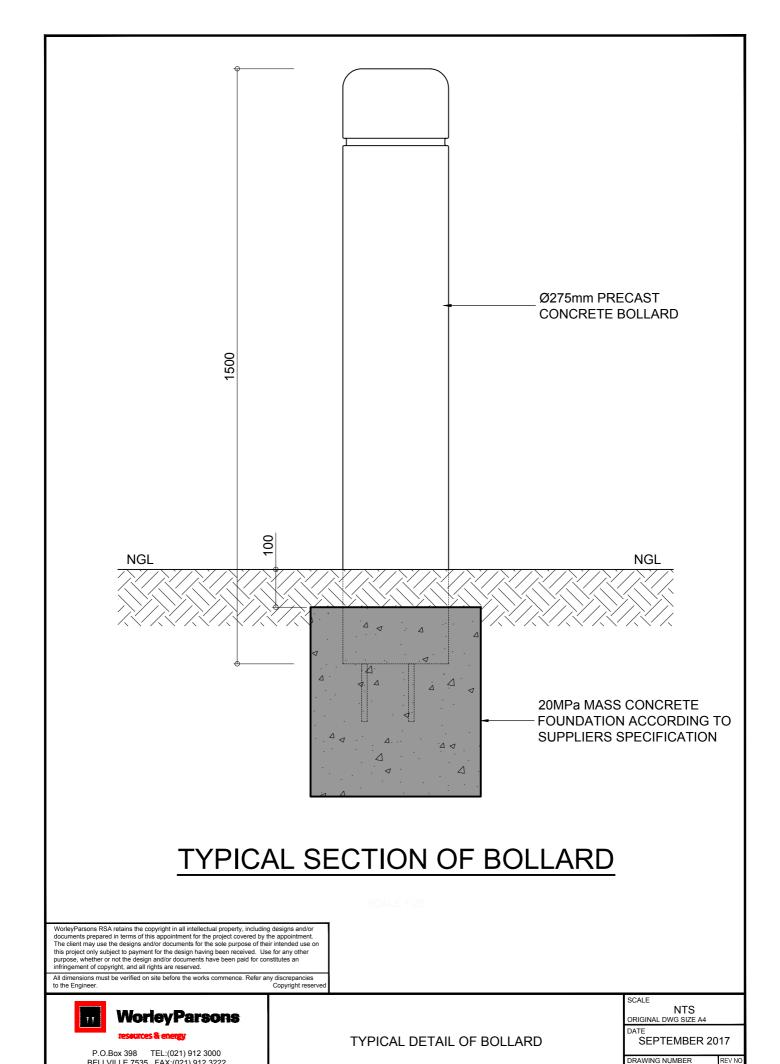
SCALE

NTS

ORIGINAL DWG SIZE A4

SEPTEMBER 2017

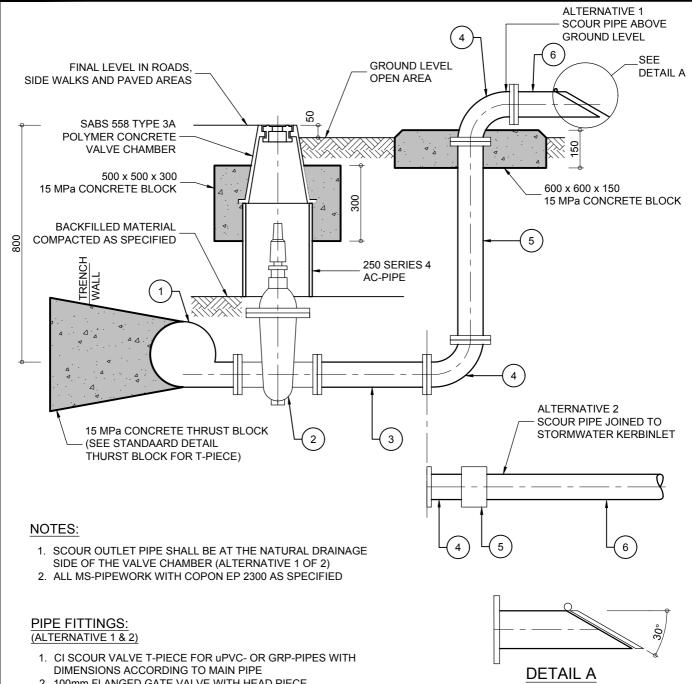
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- 2. 100mm FLANGED GATE VALVE WITH HEAD PIECE
- 3. 100mm FLANGED STEEL PIPE 500mm LENGTH

### (ALTERNATIVE 1)

- 4. 100mm FLANGED 90° BEND
- 5. 100mm FLANGED STEEL PIPE WITH LENGTH 700mm (DETERMINE FINAL ON SITE)
- 6. 100mm OUTLET ONE END FLANGED OTHER END BEVELLED 30° WITH HINGED LID

### (ALTERNATIVE 1)

- 4. 100mm FLANGED ADAPTOR
- 5. 100mm TRIPLEX COUPLING
- 6. 100mm AC-PIPE CLASS D

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TYPICAL DETAIL OF SCOUR VALVE CHAMBER (TYPE B)

NTS ORIGINAL DWG SIZE A4

DATE

SEPTEMBER 2017

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