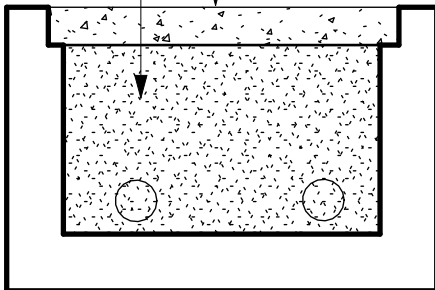
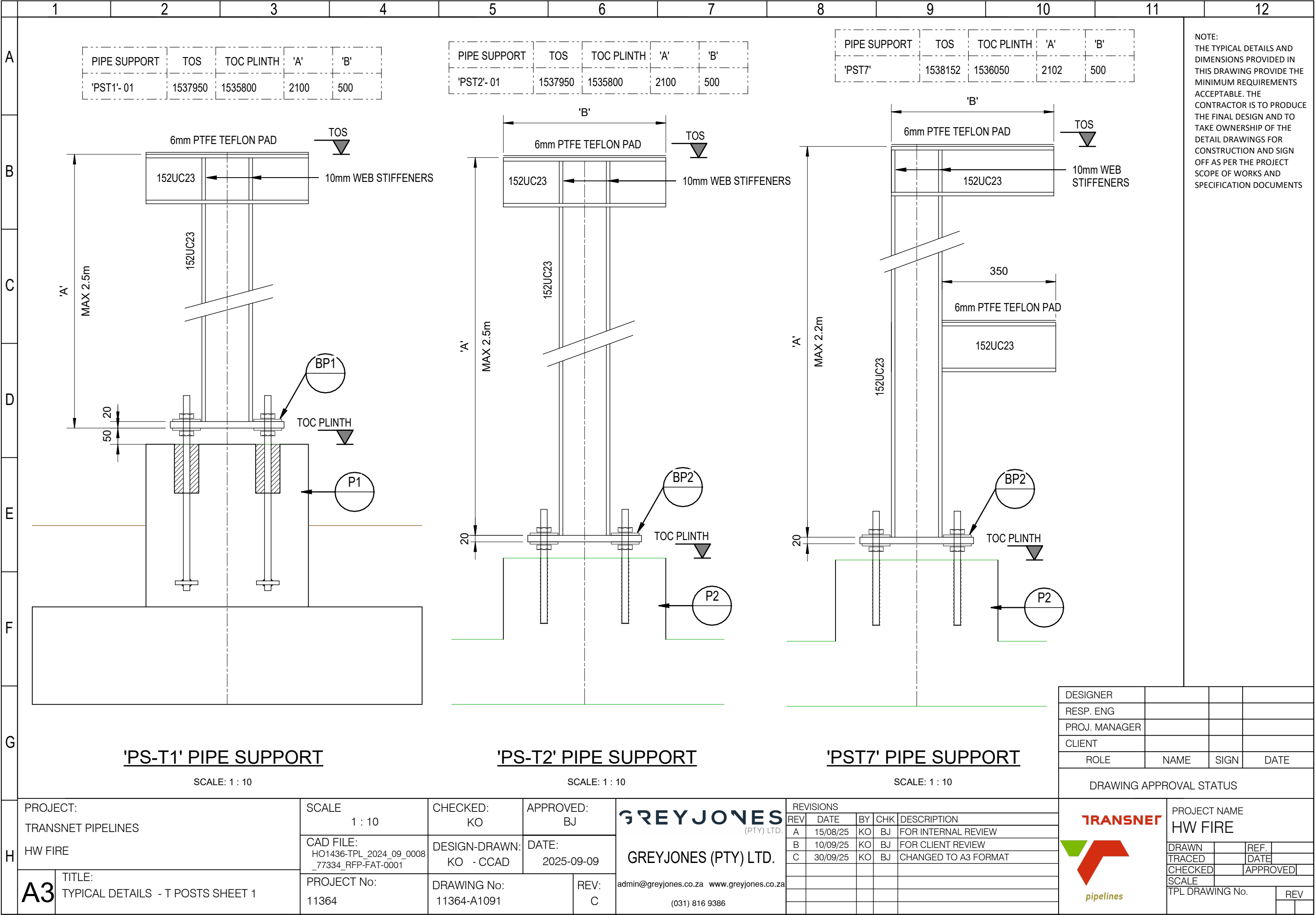
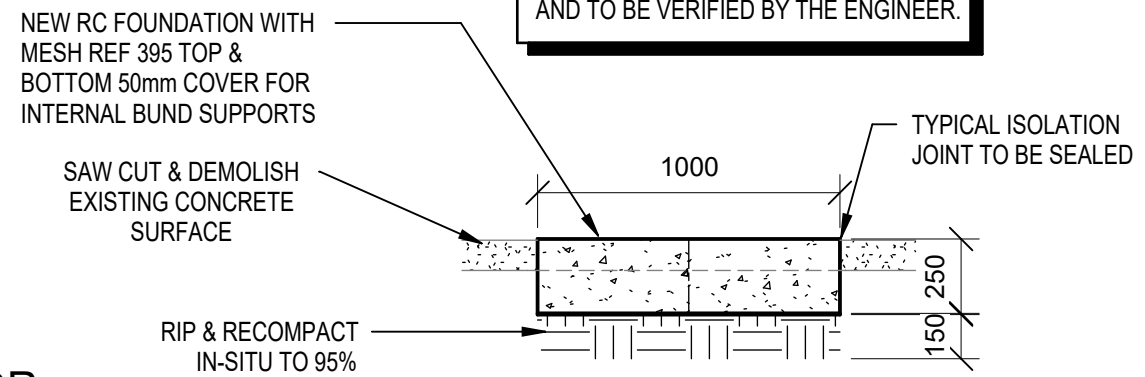


	1	2	3	4	5	6	7	8	9	10	11	12									
A	INTERNAL VOID TO BE FILLED WITH RIVER SAND 100mm THICK RC SLAB WITH REF 193 MESH CENTRALLY PLACED  UNDERGROUND CHAMBER SCALE: 1 : 20																				
B																					
C																					
D																					
E																					
F																					
G																					
H	PROJECT: TRANSNET PIPELINES HW FIRE		SCALE 1 : 20	CHECKED: KO	APPROVED: BJ	GREYJONES (PTY) LTD. GREYJONES (PTY) LTD. admin@greyjones.co.za www.greyjones.co.za (031) 816 9386	REVISIONS					TRANSNET  pipelines	PROJECT NAME HW FIRE								
			CAD FILE: HO1436-TPL_2024_09_0008 _77334_RFP-FAT-0001	DESIGN-DRAWN: KO - CCAD	DATE: 2025-09-09		REV	DATE	BY	CHK	DESCRIPTION										
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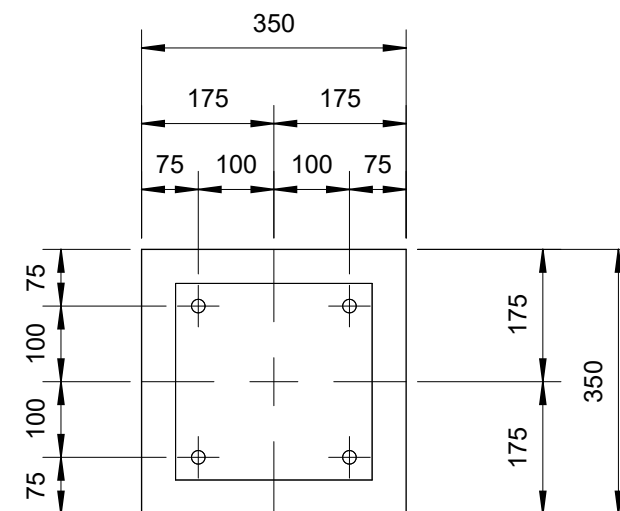
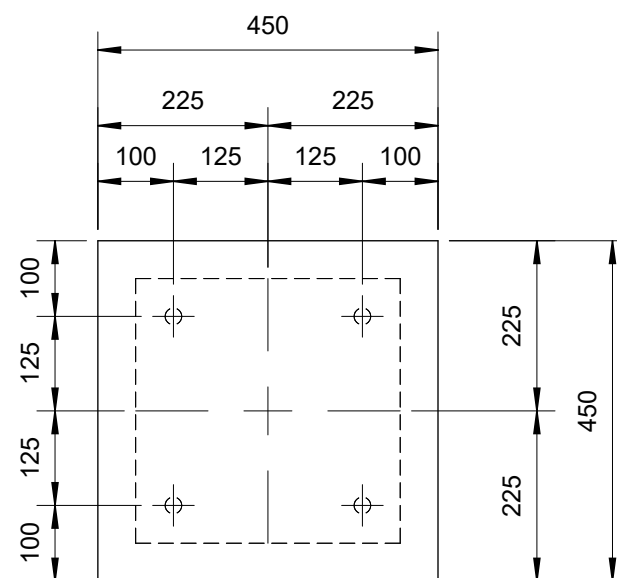
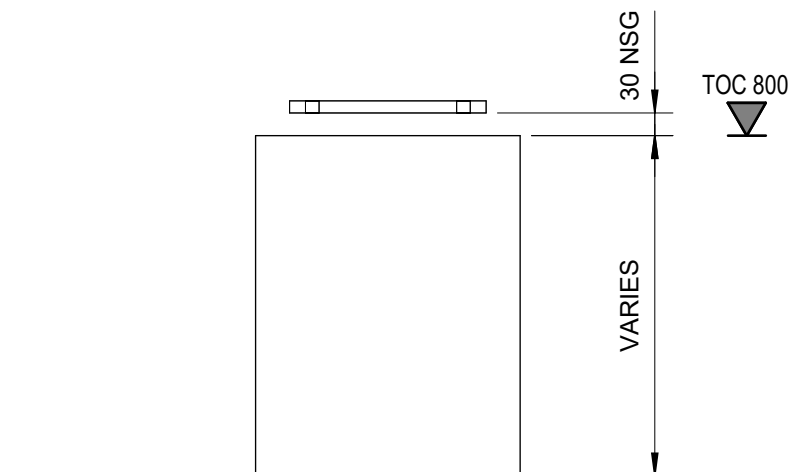
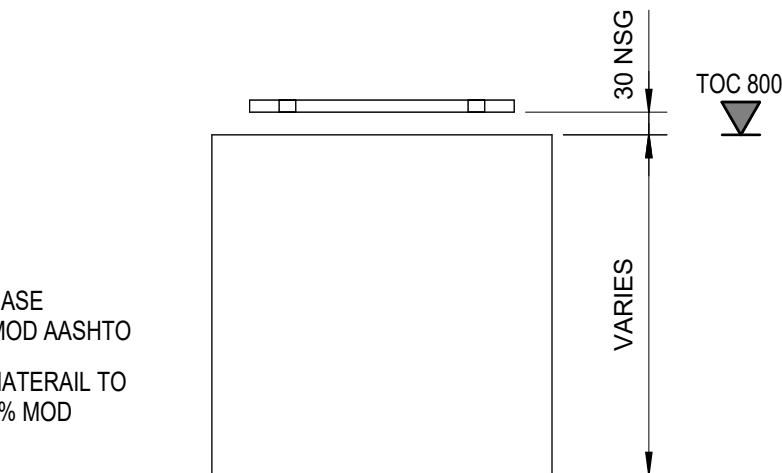




NOTE:
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TYPICAL FOUNDATION FOR BUND PIPE SUPPORT

SCALE: 1 : 25



P2 - PLINTH DETAIL

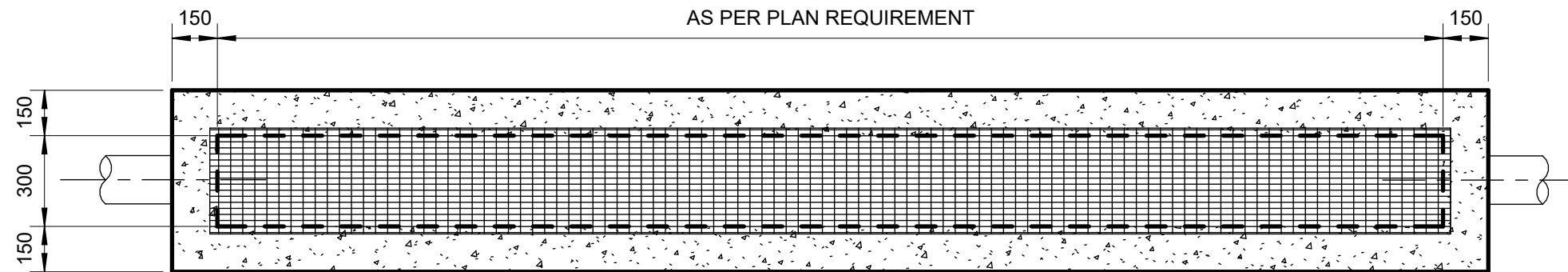
SCALE: 1 : 10

DRAWING APPROVAL STATUS			
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 TRANSNET <i>pipelines</i>	PROJECT NAME	
	HW FIRE	
	DRAWN	REF.
	TRACED	DATE
	CHECKED	APPROVED
	SCALE	
TPL DRAWING No.		REV

PROJECT: TRANSNET PIPELINES HW FIRE		SCALE As indicated	CHECKED: KO	APPROVED: BJ	GREYJONES (PTY) LTD. GREYJONES (PTY) LTD. admin@greyjones.co.za www.greyjones.co.za (031) 816 9386
		CAD FILE: HO1436-TPL_2024_09_0008 _77334_RFP-FAT-0001	DESIGN-DRAWN: KO - CCAD	DATE: 2025-09-09	
A3	TITLE: TYPICAL DETAILS - PLINTHS	PROJECT No: 11364	DRAWING No: 11364-A1101	REV: C	

	1	2	3	4	5	6	7	8	9	10	11	12																																																															
A												NOTE: THE TYPICAL DETAILS AND DIMENSIONS PROVIDED IN THIS DRAWING PROVIDE THE MINIMUM REQUIREMENTS ACCEPTABLE. THE CONTRACTOR IS TO PRODUCE THE FINAL DESIGN AND TO TAKE OWNERSHIP OF THE DETAIL DRAWINGS FOR CONSTRUCTION AND SIGN OFF AS PER THE PROJECT SCOPE OF WORKS AND SPECIFICATION DOCUMENTS																																																															
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D	RC ANCHOR THRUST BLOCK <table><thead><tr><th>PIPE DIAMETER</th><th>90° BEND FORCE (kN)</th><th>X</th><th>Y</th><th>Z</th></tr></thead><tbody><tr><td>100</td><td>13</td><td>415</td><td>235</td><td>415</td></tr><tr><td>150</td><td>28</td><td>610</td><td>350</td><td>610</td></tr><tr><td>200</td><td>48</td><td>800</td><td>460</td><td>800</td></tr><tr><td>250</td><td>76</td><td>1000</td><td>570</td><td>1000</td></tr><tr><td>300</td><td>109</td><td>1200</td><td>690</td><td>1200</td></tr></tbody></table> SIZES BASED ON ASSUMED 75kPa SOIL BEARING PRESSURE TO BE CONFIRMED WITH GEOTECH INVESTIGATION REPORT. LOADS TO BE DETERMINED BY MECH DESIGN ANALYSIS DURING FINAL DESIGN												PIPE DIAMETER	90° BEND FORCE (kN)	X	Y	Z	100	13	415	235	415	150	28	610	350	610	200	48	800	460	800	250	76	1000	570	1000	300	109	1200	690	1200																																	
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G	'TB1' THRUST BLOCK DETAIL - 90deg SCALE: 1 : 20 'TB2' THRUST BLOCK DETAIL - 45deg SCALE: 1 : 20											<table><tr><td>DESIGNER</td><td></td><td></td><td></td></tr><tr><td>RESP. ENG</td><td></td><td></td><td></td></tr><tr><td>PROJ. MANAGER</td><td></td><td></td><td></td></tr><tr><td>CLIENT</td><td></td><td></td><td></td></tr><tr><td>ROLE</td><td>NAME</td><td>SIGN</td><td>DATE</td></tr></table> DRAWING APPROVAL STATUS	DESIGNER				RESP. ENG				PROJ. MANAGER				CLIENT				ROLE	NAME	SIGN	DATE																																											
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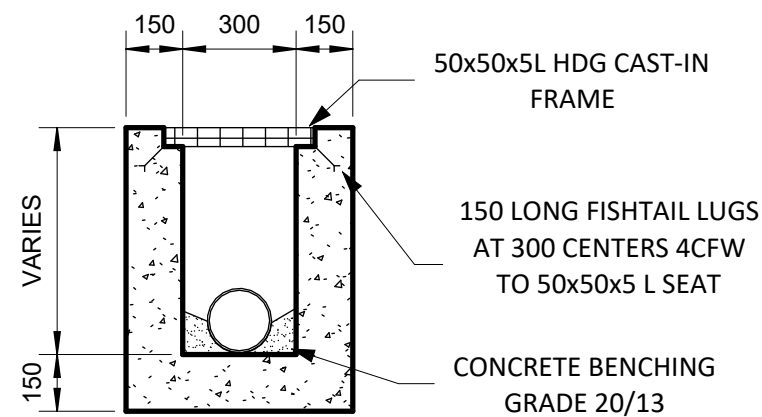


MENTIS RS40 40x4.5 HDG RECTAGRID GRATING (FULLY BANDED)
(OR SIMILARLY APPROVED)

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STORMWATER CUT-OFF DRAIN PLAN

SCALE: 1 : 20



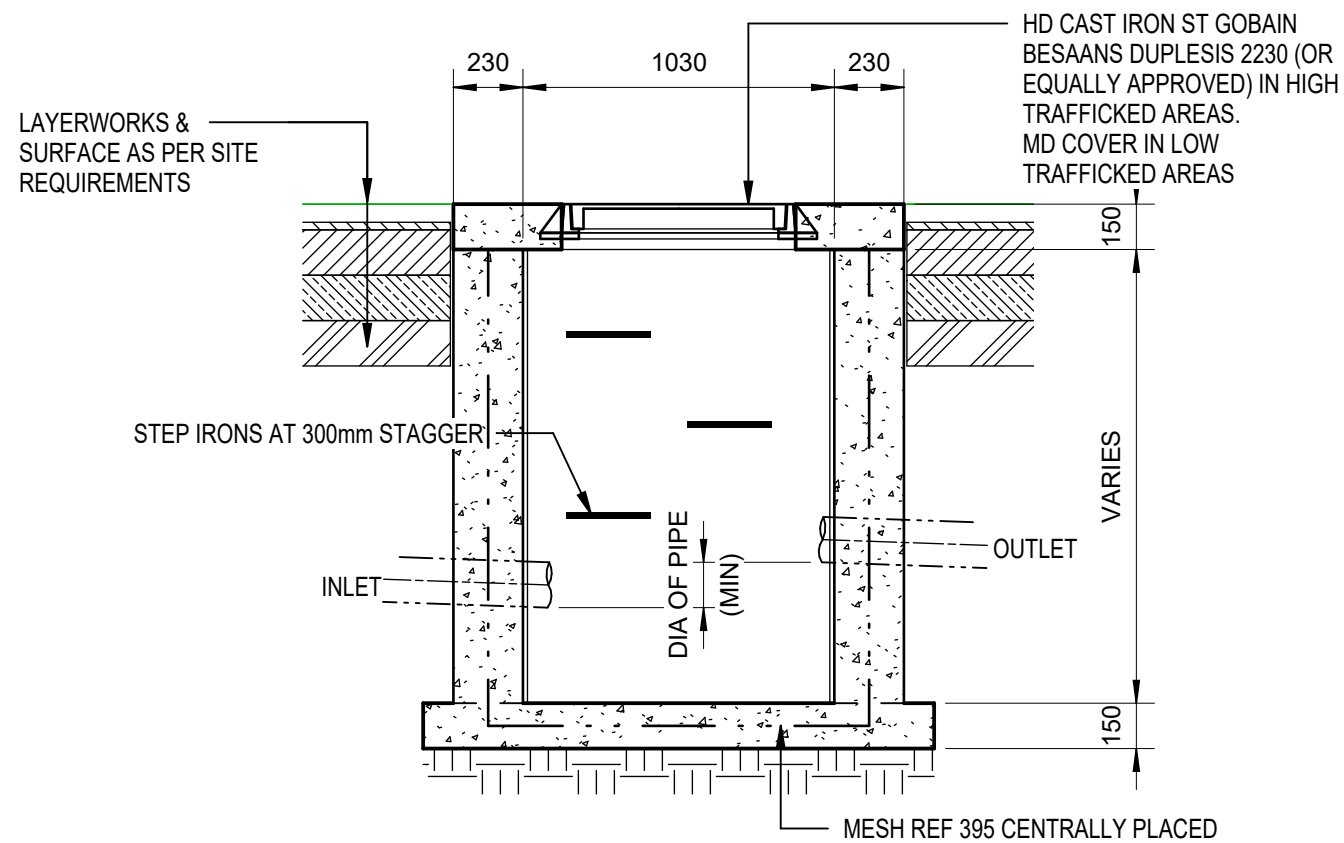
STORMWATER CUT-OFF DRAIN SECTION

SCALE: 1 : 20

DESIGNER			
RESP. ENG			
PROJ. MANAGER			
CLIENT			
ROLE	NAME	SIGN	DATE

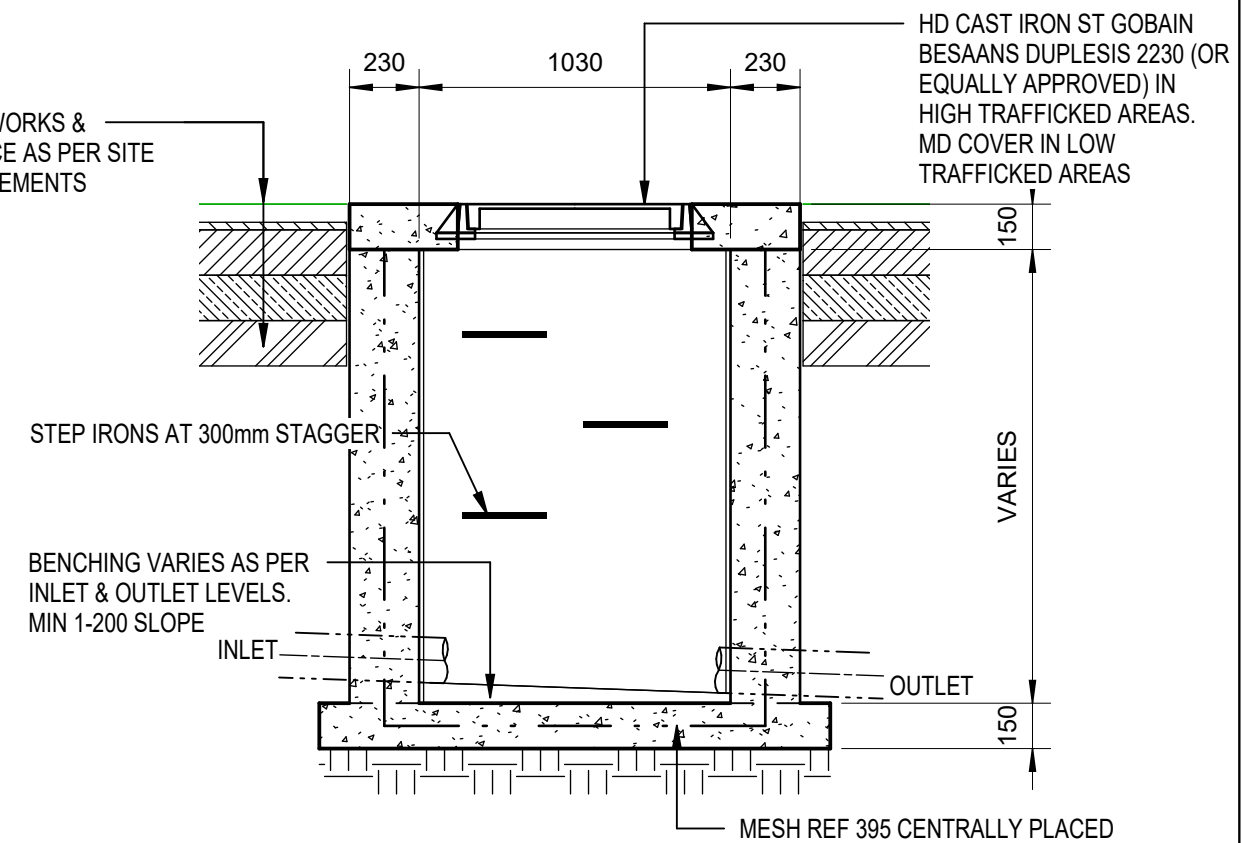
DRAWING APPROVAL STATUS

H	PROJECT: TRANSNET PIPELINES		SCALE 1 : 20	CHECKED: KO	APPROVED: BJ	GREYJONES (PTY) LTD. GREYJONES (PTY) LTD. admin@greyjones.co.za www.greyjones.co.za (031) 816 9386	REVISIONS					TRANSNET  pipelines	PROJECT NAME HW FIRE				
	HW FIRE		CAD FILE: HO1436-TPL_2024_09_0008_77334_RFP-FAT-0001	DESIGN-DRAWN: KO - CCAD	DATE: 2025-09-09		REV	DATE	BY	CHK	DESCRIPTION		DRAWN		REF.		
							A	15/08/25	KO	BJ	FOR INTERNAL REVIEW		TRACED		DATE		
							B	10/09/25	KO	BJ	FOR CLIENT REVIEW		CHECKED		APPROVED		
							C	30/09/25	KO	BJ	CHANGED TO A3 FORMAT		SCALE				
	A3	TITLE: TYPICAL DETAILS - STORM WATER CUT OFF DRAIN	PROJECT No: 11364	DRAWING No: 11364-A1109	REV: C								TPL DRAWING No.		REV		



SECTION MHA - OWS FIRE TRAP

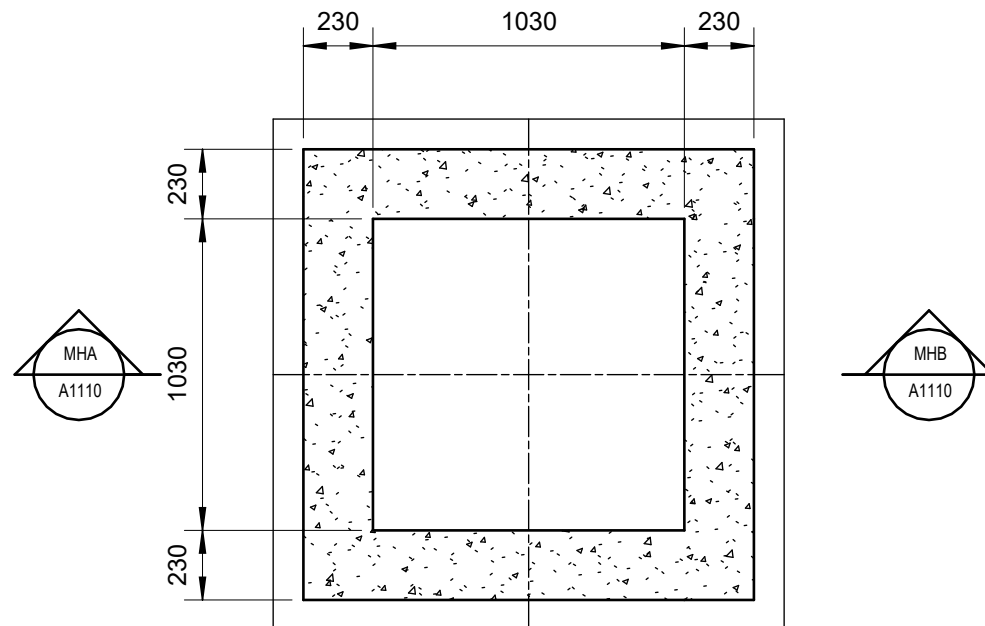
SCALE: 1 : 25



SECTION MHB - OWS EFFLUENT

SCALE: 1 : 25

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TYPICAL MANHOLE

SCALE: 1 : 25

EACH MANHOLE MUST BE CLEARLY NUMBERED WITH ROAD MARKING PAINT, INCLUDING DIRECTIONAL FLOW ARROWS, IN LINE WITH THE EMPLOYER'S REQUIREMENTS.

DESIGNER			
RESP. ENG			
PROJ. MANAGER			
CLIENT			
ROLE	NAME	SIGN	DATE
DRAWING APPROVAL STATUS			
	PROJECT NAME		
	HW FIRE		
	DRAWN		REF.
	TRACED		DATE
	CHECKED		APPROVED
	SCALE		
TPL DRAWING No.		REV	

