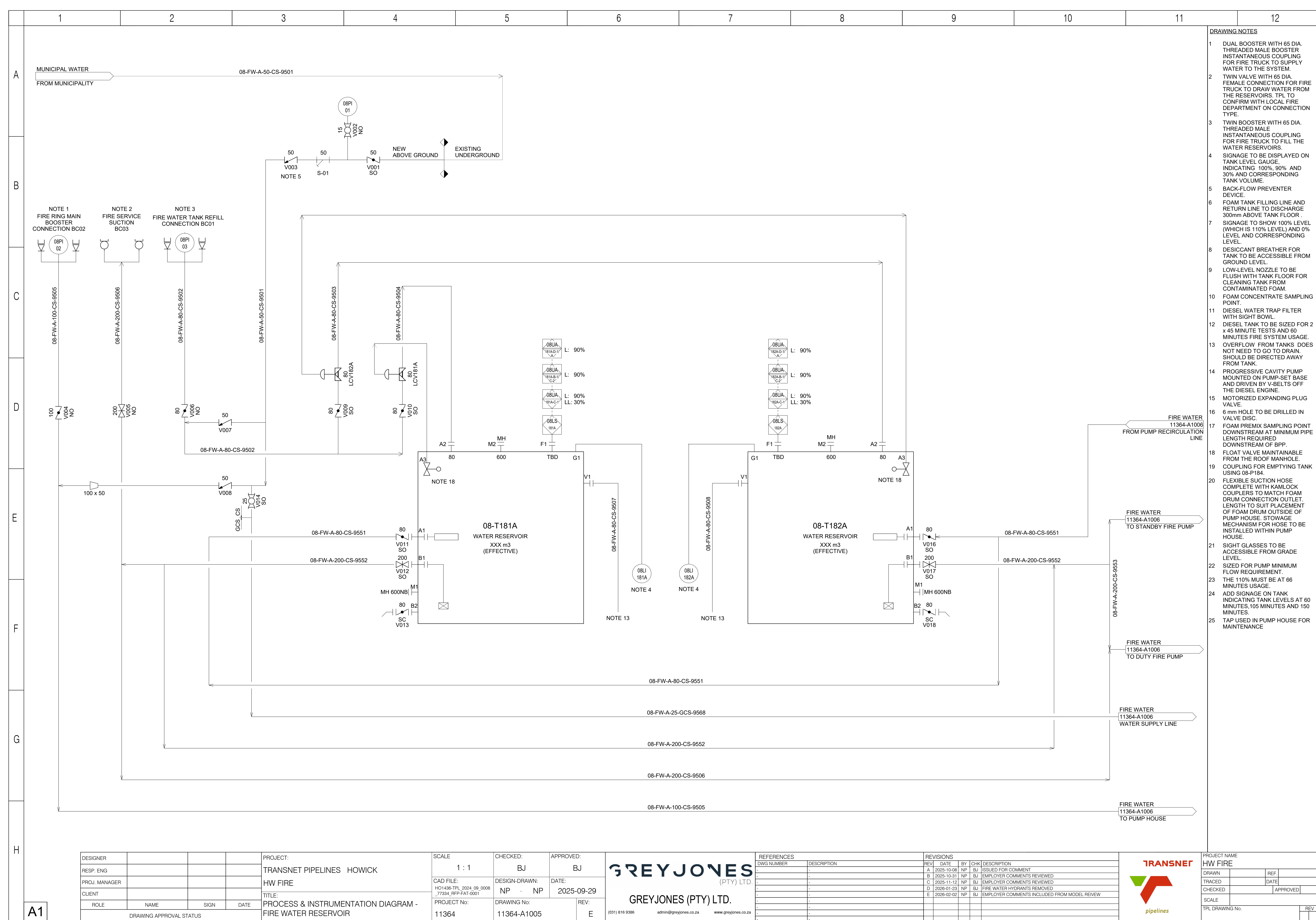
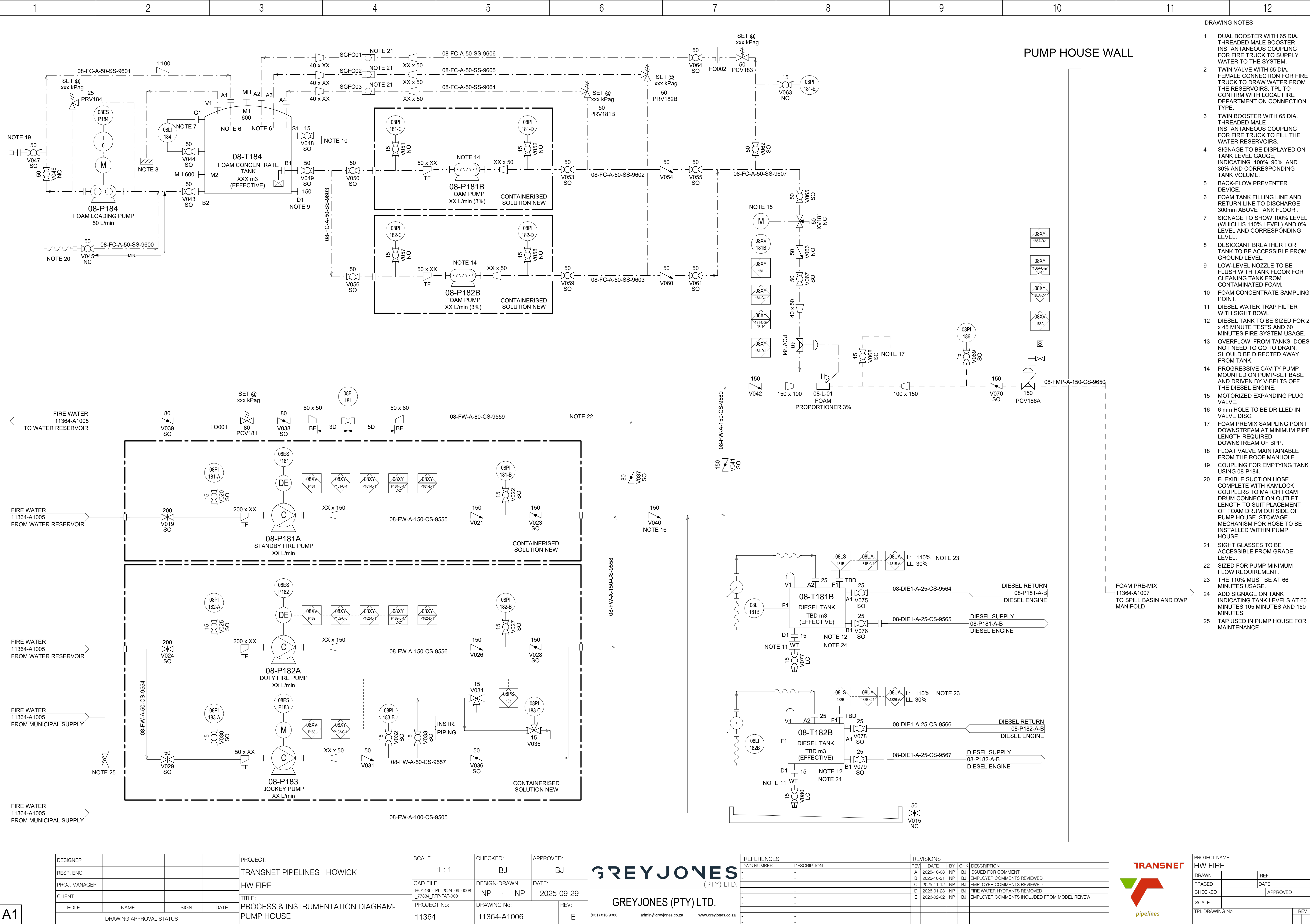
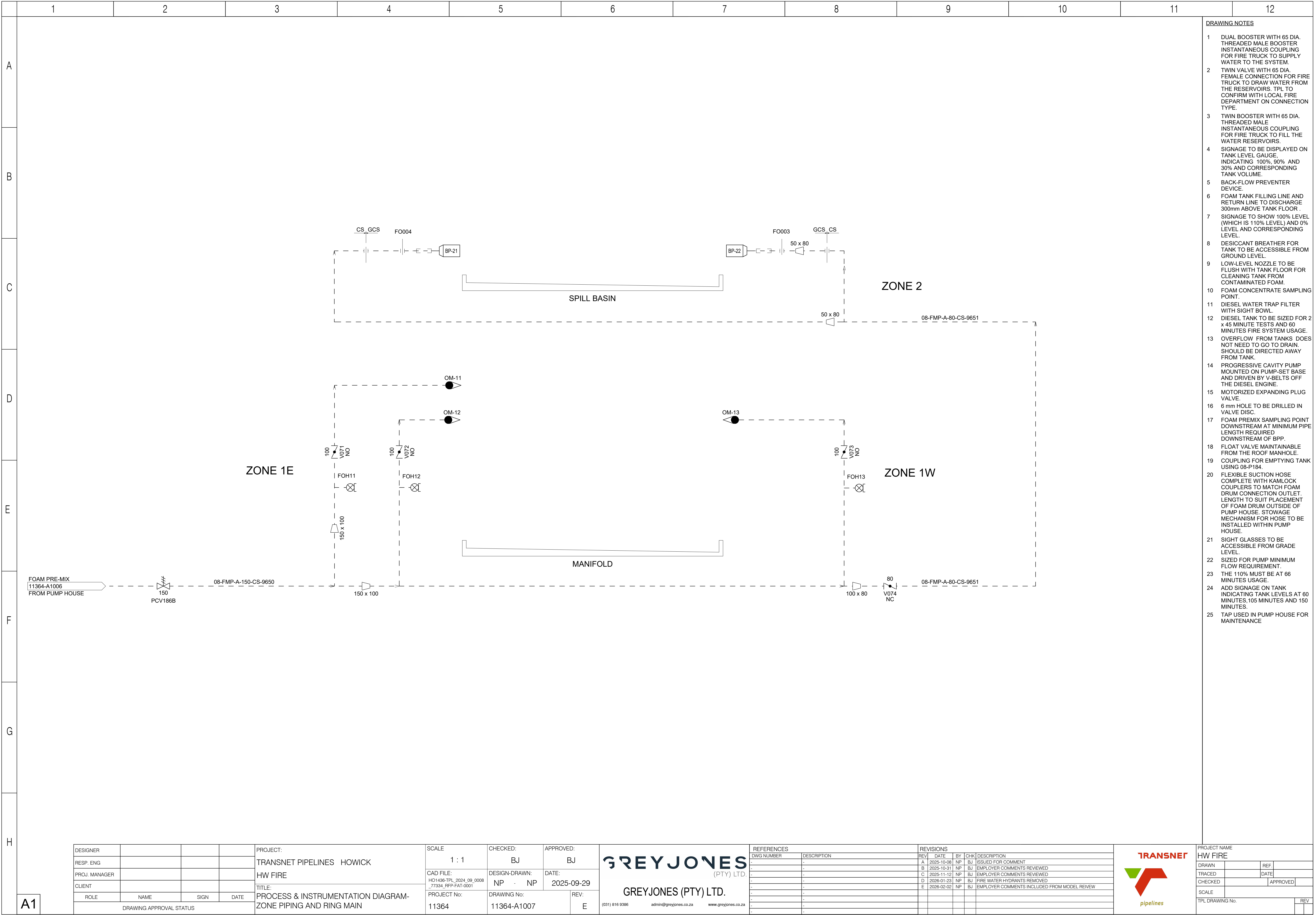








- DRAWING NOTES**
- 1 DUAL BOOSTER WITH 65 DIA. THREADED MALE BOOSTER INSTANTANEOUS COUPLING FOR FIRE TRUCK TO SUPPLY WATER TO THE SYSTEM.
 - 2 TWIN VALVE WITH 65 DIA. FEMALE CONNECTION FOR FIRE TRUCK TO DRAW WATER FROM THE RESERVOIRS. TPL TO CONFIRM WITH LOCAL FIRE DEPARTMENT ON CONNECTION TYPE.
 - 3 TWIN BOOSTER WITH 65 DIA. THREADED MALE INSTANTANEOUS COUPLING FOR FIRE TRUCK TO FILL THE WATER RESERVOIRS.
 - 4 SIGNAGE TO BE DISPLAYED ON TANK LEVEL GAUGE, INDICATING 100%, 90% AND 30% AND CORRESPONDING TANK VOLUME.
 - 5 BACK-FLOW PREVENTER DEVICE.
 - 6 FOAM TANK FILLING LINE AND RETURN LINE TO DISCHARGE 300mm ABOVE TANK FLOOR.
 - 7 SIGNAGE TO SHOW 100% LEVEL (WHICH IS 110% LEVEL) AND 0% LEVEL AND CORRESPONDING LEVEL.
 - 8 DESICCANT BREATHER FOR TANK TO BE ACCESSIBLE FROM GROUND LEVEL.
 - 9 LOW-LEVEL NOZZLE TO BE FLUSH WITH TANK FLOOR FOR CLEANING TANK FROM CONTAMINATED FOAM.
 - 10 FOAM CONCENTRATE SAMPLING POINT.
 - 11 DIESEL WATER TRAP FILTER WITH SIGHT BOWL.
 - 12 DIESEL TANK TO BE SIZED FOR 2 x 45 MINUTE TESTS AND 60 MINUTES FIRE SYSTEM USAGE.
 - 13 OVERFLOW FROM TANKS DOES NOT NEED TO GO TO DRAIN. SHOULD BE DIRECTED AWAY FROM TANK.
 - 14 PROGRESSIVE CAVITY PUMP MOUNTED ON PUMP-SET BASE AND DRIVEN BY V-BELTS OFF THE DIESEL ENGINE.
 - 15 MOTORIZED EXPANDING PLUG VALVE.
 - 16 6 mm HOLE TO BE DRILLED IN VALVE DISC.
 - 17 FOAM PREMIX SAMPLING POINT DOWNSTREAM AT MINIMUM PIPE LENGTH REQUIRED DOWNSTREAM OF BPP.
 - 18 FLOAT VALVE MAINTAINABLE FROM THE ROOF MANHOLE.
 - 19 COUPLING FOR EMPTYING TANK USING 08-P184.
 - 20 FLEXIBLE SUCTION HOSE COMPLETE WITH KAMLOCK COUPLERS TO MATCH FOAM DRUM CONNECTION OUTLET. LENGTH TO SUIT PLACEMENT OF FOAM DRUM OUTSIDE OF PUMP HOUSE. STOWAGE MECHANISM FOR HOSE TO BE INSTALLED WITHIN PUMP HOUSE.
 - 21 SIGHT GLASSES TO BE ACCESSIBLE FROM GRADE LEVEL.
 - 22 SIZED FOR PUMP MINIMUM FLOW REQUIREMENT.
 - 23 THE 110% MUST BE AT 66 MINUTES USAGE.
 - 24 ADD SIGNAGE ON TANK INDICATING TANK LEVELS AT 60 MINUTES, 105 MINUTES AND 150 MINUTES.
 - 25 TAP USED IN PUMP HOUSE FOR MAINTENANCE

A1	DESIGNER				PROJECT:	SCALE	CHECKED:	APPROVED:	GREYJONES (PTY) LTD. GREYJONES (PTY) LTD. (031) 816 9386 admin@greyjones.co.za www.greyjones.co.za	REFERENCES			REVISIONS				TRANSNET pipelines	PROJECT NAME					
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	CLIENT				TITLE:	HO1436-TPL 2024_09_0008 77334_RFP-FAT-0001	NP NP	2025-09-29		-	-	-	-	-	B	2025-10-31		NP	BJ	EMPLOYER COMMENTS REVIEWED	TRACED		DATE
	ROLE NAME SIGN DATE				PROJECT No:	DRAWING No:		REV:		-	-	-	-	-	C	2025-11-12		NP	BJ	EMPLOYER COMMENTS REVIEWED	CHECKED		APPROVED
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A	VALVE POSITION				EQUIPMENT TAG LOCATION				CONTROL SYSTEM FUNCTION				LINE TYPE LEGEND				EQUIPMENT SYMBOLOGY				VALVE & PIPING SYMBOLOGY																	
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	TANK NOZZLE IDENTIFICATION				INSTRUMENT TAG AREA				INSTRUMENT FUNCTION				PIPING IDENTIFIER				FIRE SYSTEM SYMBOLOGY																					
B	A PROCESS INLETS B PROCESS OUTLETS D DRAIN NOZZLES G LEVEL GAUGE NOZZLES E HANDHOLE NOZZLES F LEVEL INSTRUMENT NOZZLES M MANWAY NOZZLES P PRESSURE INSTRUMENT NOZZLES S SAMPLE OR ANALYSER NOZZLES T TEMPERATURE INSTRUMENT NOZZLES V VENT NOZZLES W RELIEVE VALVE NOZZLES				180 TEMPORARY 181 DUTY FIRE PUMP 182 STANDBY FIRE PUMP 183 JOCKEY PUMP 184 FOAM LOADING PUMP 185 MAINLINE PUMP HOUSE 186 MANIFOLD 187 TANK FARM 188 SPILL BASIN 189 ROAD LOADING				FIELD LOCATION ANALOG				 AA-FM-P-05-MM-NNNN <table><tr><td>27 08</td><td>DEPOT WITBANK HOWICK</td><td>AREA</td></tr><tr><td>FW FC FMP DIE1</td><td>FIRE WATER FOAM CONCENTRATE FOAM PREMIX DIESEL</td><td>FLUID MEDIUM</td></tr><tr><td>A HFE</td><td>150LB CLASS 16 HDPE</td><td>PRESSURE</td></tr><tr><td>CS GS PE SS</td><td>CARBON STEEL GALVANIZED CS HDPE STAINLESS STEEL</td><td>MATERIAL</td></tr><tr><td>9500-9999</td><td>FIRE SYSTEM</td><td>NUMBER</td></tr><tr><td>9500-9549 9550-9649 9650-9749 9750-9849</td><td>TANK SUPPLY PUMP HOUSE ZONE PIPING RING MAIN</td><td>NUMBER GROUPS</td></tr></table>				27 08	DEPOT WITBANK HOWICK	AREA	FW FC FMP DIE1	FIRE WATER FOAM CONCENTRATE FOAM PREMIX DIESEL	FLUID MEDIUM	A HFE	150LB CLASS 16 HDPE	PRESSURE	CS GS PE SS	CARBON STEEL GALVANIZED CS HDPE STAINLESS STEEL	MATERIAL	9500-9999	FIRE SYSTEM	NUMBER	9500-9549 9550-9649 9650-9749 9750-9849	TANK SUPPLY PUMP HOUSE ZONE PIPING RING MAIN	NUMBER GROUPS	FIRE HYDRANT FOAM HYDRANT BOOSTER BREAK GLASS UNIT DIFFERENTIAL PRESSURE FLOW METER FOAM POURER TANK DRENCHING NOZZLE OSCILLATING MONITOR FIXED MONITOR			
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