

Howick Transnet Detail Survey

Coordinate List			
Name	Y-Coord	X-Coord	Z-Coord
D11 Nail in Kerb	78109.730	3265480.707	1042.183
D2 Nail in tat	78154.576	3265457.289	1043.444
D3 Nail in Kerb	78172.722	3262399.213	1042.796
D4 Nail in Kerb	78160.428	3262358.083	1042.145
D5 Nail in Kerb	78112.181	3262380.564	1041.920
RM42/13	78189.014	3262367.708	1044.338
RM46/13	78062.575	3262462.300	1040.886

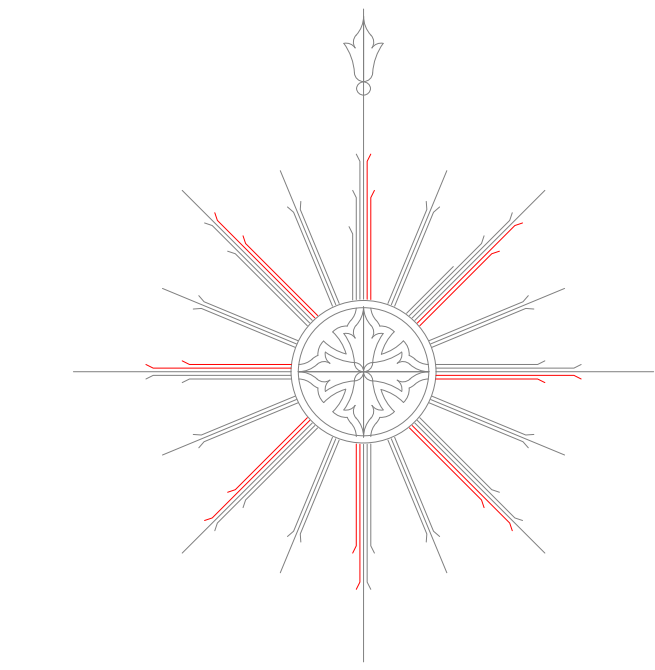
Dave Mountain Surveys

Precise Engineering,
Topographical & GPS Surveys
3 Kenelm Road Everton
3610

TEL: +27 (0)82 7711-659
Mobile: 082 7711 659
Email: dave@dmsurveys.co.za



1. Survey System is Wg31.
2. Height Datum is MSL.



NO	DESCRIPTION	DATE	BY
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REVISIONS

RECOMMENDED BY	DATE
APPROVED BY	DATE
DRAWN: D.G Mountain	DESIGNED: D.G Mountain
CHECKED: D.G Mountain	SURVEYOR: D.G Mountain
CLIENT APP.	DATE: July 2025

SCALE 1:300

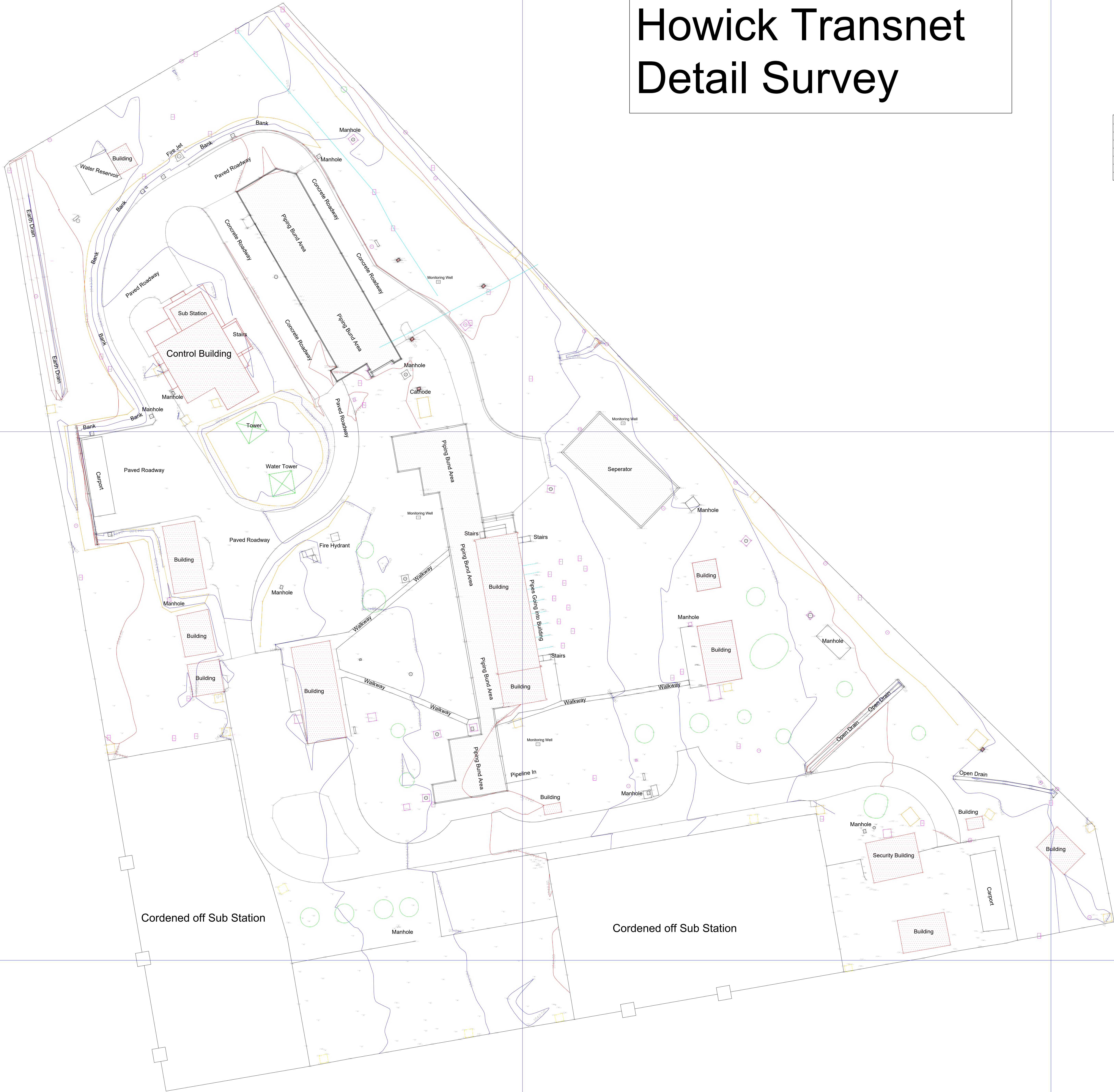
CLIENT
GREYJONES

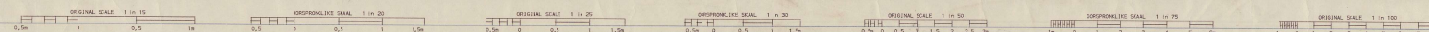
CONTRACT
**Howick
Transnet**

TITLE
Detail Survey

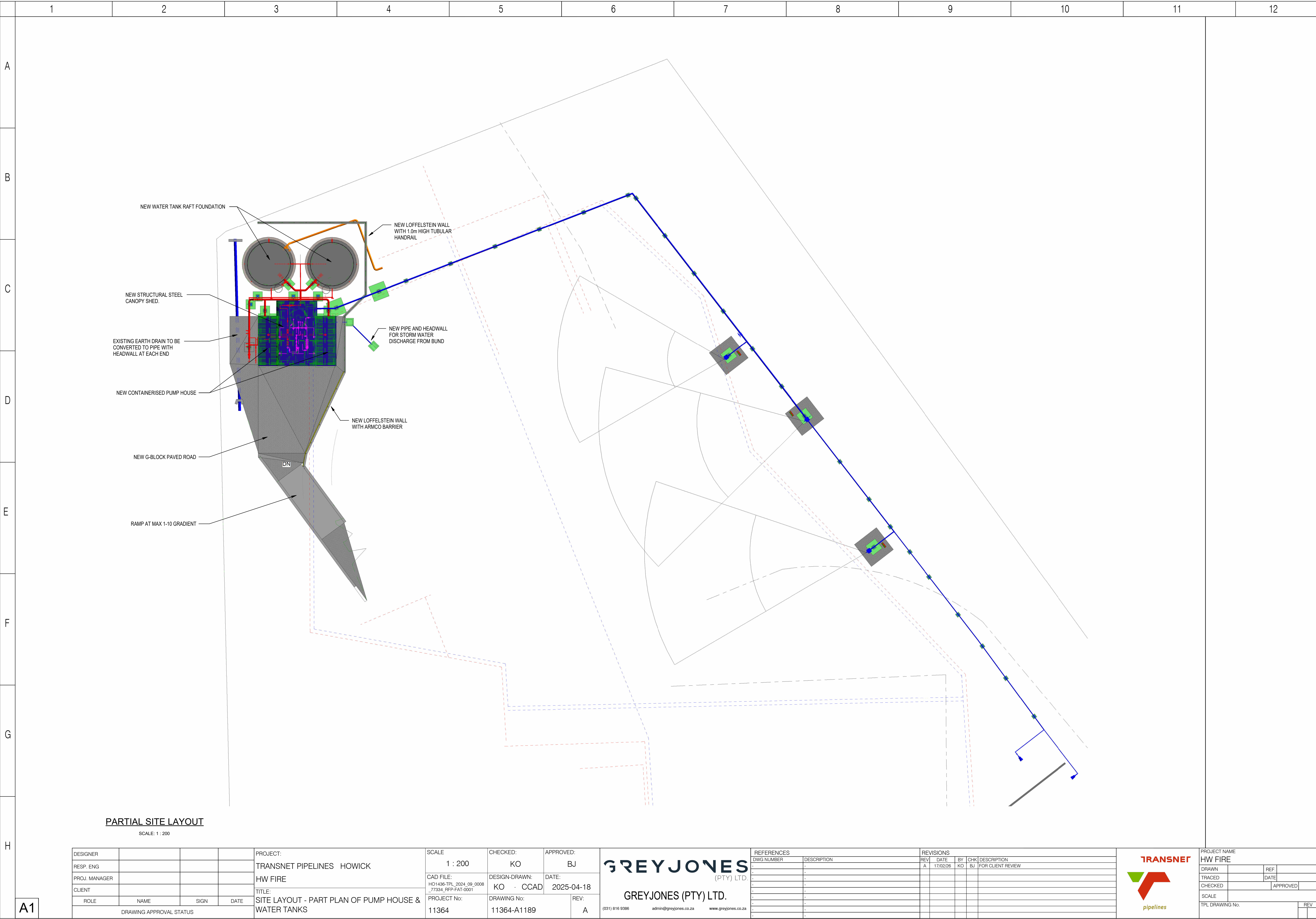
Transnet Howick Wg31.dwg	Rev0
DRAWING NO	REV NO

Coding Descriptions	
ARMCO	Armco Barrier
BILD	Building
BOLLARD	Bollard concrete
BUND B	Bund Bottom
BUND OFLOW	Bund Overflow
BUND T	Bund Top
C	Manhole covers
C PORT	Car port
C PORT POST	Car port post
C/MARKER	Cable Marker
CATHODE	Cathode position
CATHODE BOX	Cathode Box
CIRCUIT BOX	Circuit Box
CMH	Cable Manhole Flat Roof position
CONC	Concrete driveway
CONC/PAVE	Concrete paving join position
CONTAINER	Container
DMH ROOF	Data Manhole Flat roof position
DR	Drain
DR BLOCKED	Drain Blocked
E RACK	Electrical Rack
E/MARKER	Electrical Marker
EARTH	Earth point
EMH ROOF	Electrical Manhole Sloped roof position
F HOSE	Fire Hose
Fence/Fence wire	Fence/Fence wire
FHYD	Fire Hydrant
GANTRY	Gantry
GATE	Gate
GATE WALL	Gate and Wall join
IN PIPE	Main Inlet Pipe
INVERT	Invert
INVERT BLOCK SLU	Invert blocked
INVERT BLOCKED	Invert blocked
INVERT WATER TRA	Invert water trap
JOJO	JoJo Tanks
LIGHT	Light Pole
LIGHT POLE	Light Pole
LINE IN	Direction in
LINE OUT	Direction out
MWELL	Monitoring Wells
MH	Manholes unknown type
OIL STORE	Oil Store
PATH	Pathway
PAVE	Paving
PAVE/CONC	Paving Concrete join positions
PIPELINE MARKER	Pipeline marker
PRESSURE CONTROL	Pressure control point
RAIL	Rail
RAMP	Ramp
ROD EYE	Rodding eye invert
ROD EYE INVERT	Rodding eye invert
SE	Sewer line
SE BEND APPROX	Sewer bend approximate position
SE LINE Y	Sewer line split
SE ROD EYE	Sewer Rodding eye
SEMH	Sewer Manhole
SHED	Storage shed
SS	Spot shot
STAIR	Stairs
SUB STATION	Sub Station
SUMP	Fowl water Sump
T CONC	Tank Concrete
TANK BASE	Tank Base
TANK GRND	Tank Ground
TANK P	Tank Perimeter
TANK1	Tank Position
TANK2	Tank Position
TANK3	Tank Position
TANK4	Tank Position
TANK5	Tank Position
TANK6	Tank Position
TANK7	Tank Position
TANK8	Tank Position
TANK9	Tank Position
TAP	Tap
TOWER	Communications Tower
TRANSF	Transformer
TRANSF/BLD	Transformer Building
TS	Valve
VALVE	Valve
VALVE CHAMBER	Valve Chamber
WJET	Water Jet
WALL	Perimeter Wall
WATER DIST SUMP	Water Distribution Sump
WATER FEATURE	Water Feature
WATER OUTLET	Water Outlet
WEA STATION	Weather Station
WMAIN MH	Water Main Manhole
WTANK	Water tank





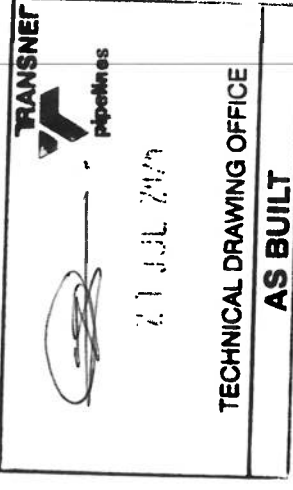
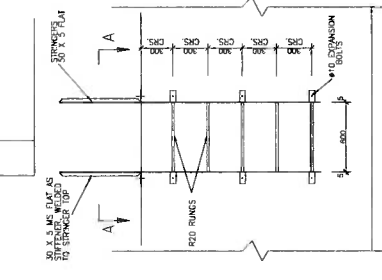
o	S.A. TRANSPORT SERVICES	o	JOHANNESBURG	o	S.A. VERVERDINGSTE	o
HOWICK						
PUMP STATION S.A. P. PHELINES			- S.A. POMPSTASIE - S.A. PHELIDINGS			
PROP. GIL SPILL PROTECTION AND NEW SECURITY AREA						
VORG. OLIE-CORLOOP BESKERMING EN NIEUW VEILIGHEIDSGEBIED						
DESIGNED ENGINEER NAMESSEN DRAWN (SIGNED) J.J.C. Soudant CHECKED NAMESSEN			PLAN NO. 2 / 91 WS 0000 SH. VOL. 0			
WATER ON NIEUW WATERHUISJUR			ONDER GIL-SPILL REINIGING REINIGING			
DATE			DATE			
03 OCT 1989			10M, 2			



NOTES



A triangular warning sign with a black border and a black silhouette of a child walking inside.



APPROVAL			REFERENCES		REVISIONS		CHK/APP
DISEPLINE	NAME	SIGN	DATE	DWG NUMBER	DESCRIPTION	REV	BY
ELECTRICAL				PPB-102-3-40-00	SHILL BASIN BY PROTOCON REV 2	A	T
MECHANICAL							
MECH							
PROCESS							
CIVIL							
PIPE							



TRANSNET
pipelines

HOWICK PUMP STATION

SPILL BASIN (AS BUILT)

PROJECT NAME			
DRAWN	REF.	DATE	REV.
TRACED	CAD	FEB 1999	
CHECKED	APPROVED		
SCALE	AS SHOWN		
ORIGINAL No.	P/PD-402-J-40-601		
EDMS No.	TP-HWR-CISE-70024		
	A		