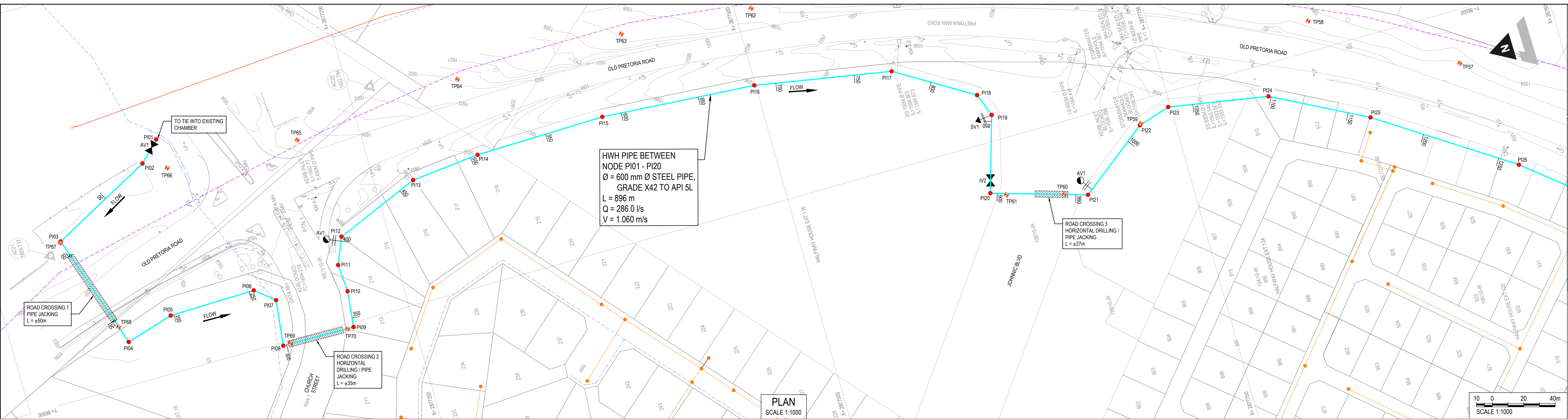
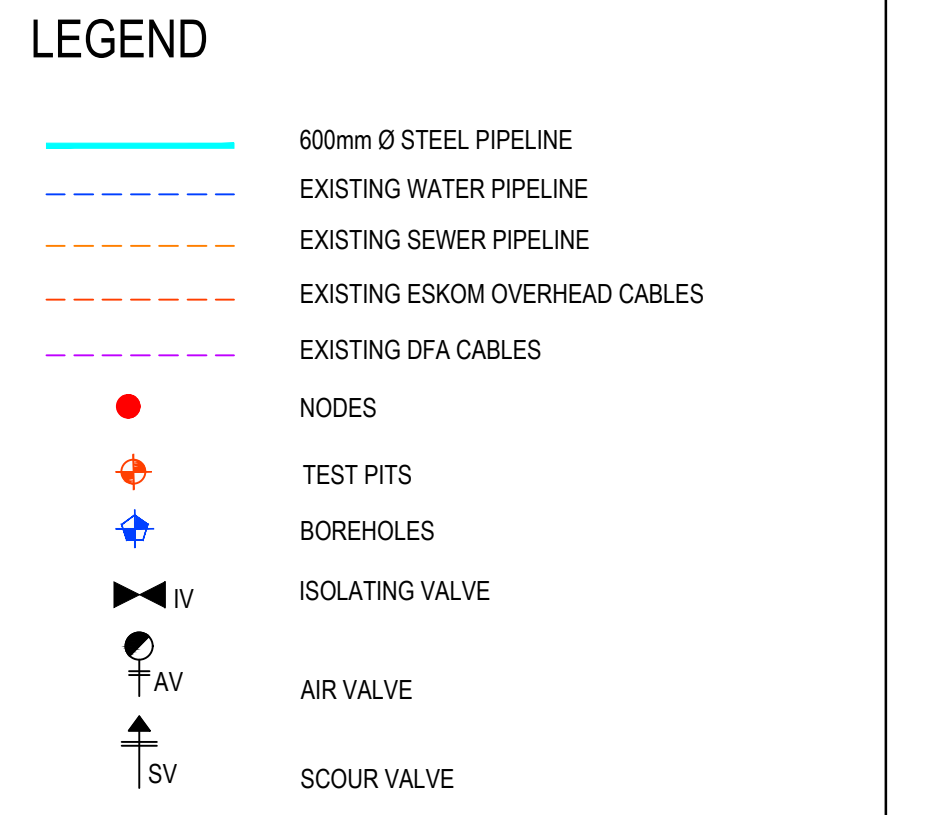


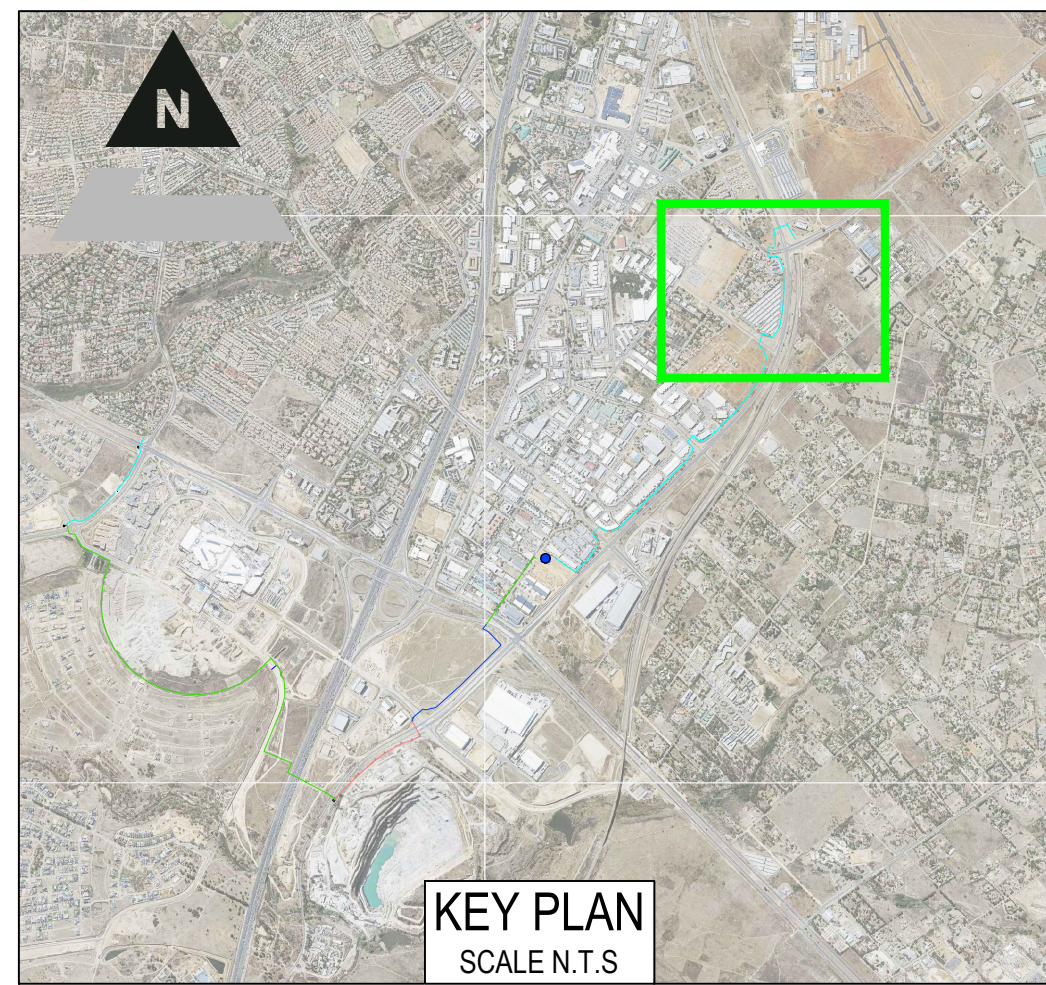
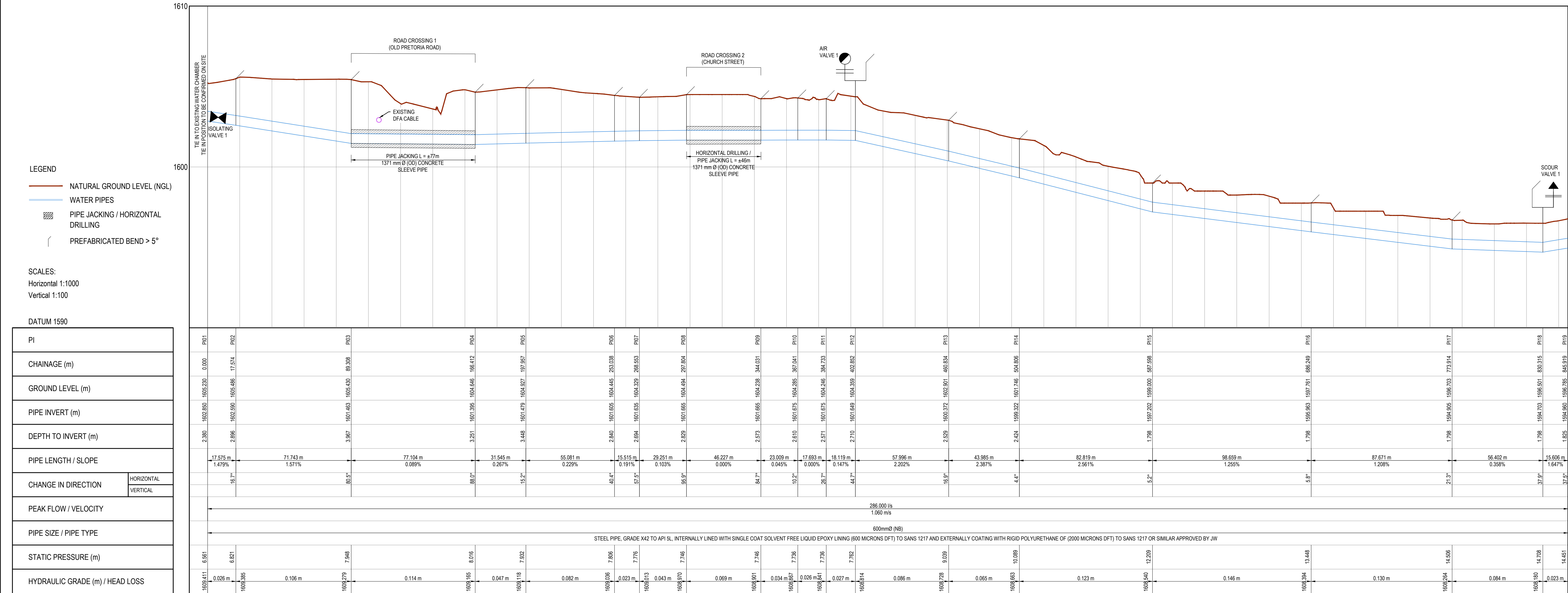


- GENERAL NOTES:**
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COORDINATES LIST FOR BULK WATER FEEDER PIPELINE WGS-84 LO-29

POINT	Y-COORD	X-COORD	INVERT LEVEL
P101	86354.144	2877124.222	1602.850
P102	86366.465	2877111.690	1602.590
P103	86399.882	2877048.215	1601.463
P104	86473.080	2877072.443	1601.395
P105	86464.208	2877102.715	1601.479
P106	86463.203	2877157.787	1601.605
P107	86473.043	2877169.783	1601.635
P108	86502.084	2877166.286	1601.665
P109	86502.838	2877212.507	1601.665
P110	86479.964	2877214.991	1601.675
P111	86462.315	2877213.744	1601.675
P112	86445.803	2877220.745	1601.649
P113	86423.407	2877274.310	1600.372
P114	86419.118	2877318.073	1599.322
P115	86417.523	2877400.849	1597.202
P116	86424.589	2877499.247	1595.963
P117	86439.741	2877585.592	1594.905
P118	86469.085	2877633.759	1594.703
P119	86463.684	2877639.287	1594.960
P120	86531.249	2877624.869	1595.735
P121	86549.162	2877684.357	1595.669
P122	86515.662	2877728.097	1594.584
P123	86509.358	2877748.529	1594.192
P124	86520.220	2877811.647	1593.594
P125	86550.748	2877870.406	1593.535
P126	86605.312	2877953.002	1593.511
P127	86668.684	2878030.363	1592.749



- NOTES:**
- PIPE DESCRIPTION: 600mm Ø (NB) STEEL PIPE, GRADE X42 TO API 5L.
COATING: EXTERNALLY COATING WITH RIGID POLYURETHANE OF (2000 MICRONS DFT) TO SANS 1217 OR SIMILAR APPROVED BY JW.
LINING: INTERNALLY LINED WITH SINGLE COAT SOLVENT FREE LIQUID EPOXY LINING (600 MICRONS DFT) TO SANS 1217.
 - REFER TO GEOTECHNICAL INVESTIGATION REPORT FOR DETAILED GEOTECHNICAL INFORMATION ALONG THE PIPELINE ROUTE.
 - REFER TO DWG NO. 111242-0000-DRG-WW-6500 FOR TYPICAL AIR VALVE DETAIL.
 - REFER TO DWG NO. 111242-0000-DRG-WW-6501 FOR TYPICAL ISOLATING VALVE DETAIL.
 - REFER TO DWG NO. 111242-0000-DRG-WW-6502-0503 FOR TYPICAL SCOUR VALVE CHAMBER DETAIL.
 - REFER TO DWG NO. 111242-0000-DRG-WW-6504 FOR TYPICAL DETAILS FOR TRENCH EXCAVATION AND BACKFILL.
 - REFER TO DWG NO. 111242-0000-DRG-WW-6506 FOR TYPICAL PIPE JACKING DETAIL.
 - EXISTING SERVICES LEVELS AND POSITIONS TO BE CONFIRMED ON SITE.

CONSULTING ENGINEERS	DESIGNED	T. SHABALALA	JULY 2021
ZUTARI IMPACT. ENGINEERED.	DRAWN	T. SHABALALA	JULY 2021
	CHECKED	M. LUSUNZI	JULY 2021
	APPROVED BY:	C. KAN	JULY 2021
OXFORD CORNER JELLOCOE AVENUE ROSEBANK, JOHANNESBURG SOUTH AFRICA TEL: +27 11 214 4500	ECOSA REG. No.	SIGNATURE	DATE
CLIENT	CHECKED BY:	SIGNATURE	DATE
17 HARRISON STREET MARSHALLTOWN 2107	ECOSA REG. No.		



17 HARRISON STREET
MARSHALLTOWN
2107
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FAX: (011) 688-1529

Joburg
HALFWAY HOUSE WATER UPGRADE
PLAN AND LONGSECTION:
SHEET 1 OF 10

APPROVAL BY JW DEPOT			SCALE	AMENDMENTS		
CHECKED			REV:	DESCRIPTION	DATE:	
APPROVED BY:			TO	ISSUED FOR TENDER	10/2021	
	SIGNATURE	DATE				
APPROVAL BY JW PLANNING						
CHECKED						
APPROVED BY:						
	SIGNATURE	DATE				

DRAWING No.		
111242	- 0000-DRG-WW-0301 -	TO
PROJECT No.	DRAWING No.	REV.
A0	SHEET 1	OF 10
ORIGINAL PAGE SIZE		
FILE No.		