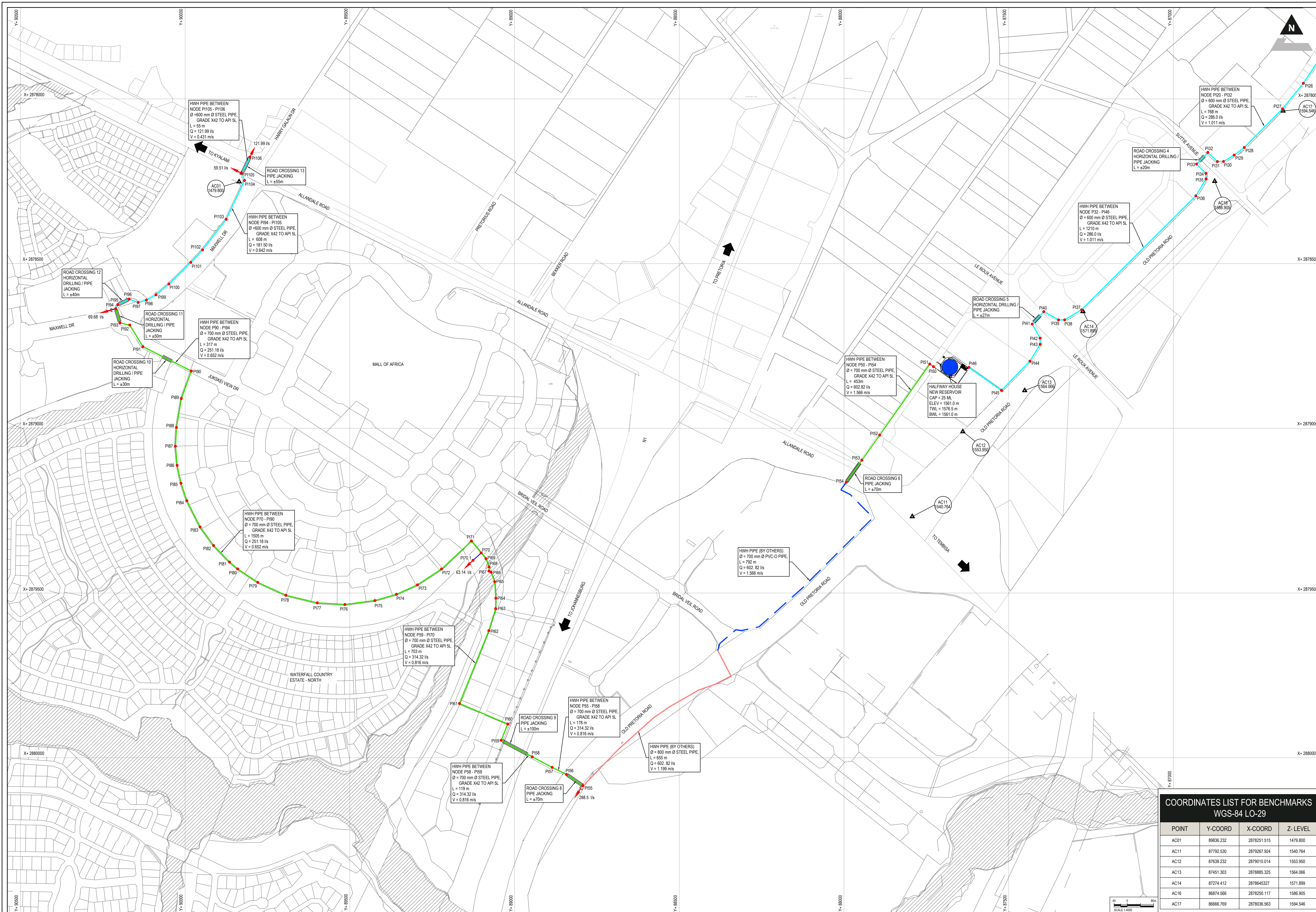




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LEGEND

- RESERVOIR
- 315mm Ø mPVC PIPELINE
- 600mm Ø STEEL PIPELINE
- 700mm Ø STEEL PIPELINE
- 710mm Ø PVC-D PIPELINE (BY OTHERS)
- 800mm Ø EXISTING STEEL PIPELINE
- NODES
- OFFTAKE
- BENCH MARK

COORDINATES LIST FOR BULK WATER SUPPLY PIPELINE WGS-84 LO-29			
POINT	Y-COORD	X-COORD	INVERT LEVEL
P100	87728.232	2878813.015	1554.431
P101	87739.591	2878804.960	1554.377
P102	87891.409	2879020.588	1538.957
P103	87945.576	2879096.835	1532.293
P104	87953.123	2879163.762	1531.957
P105	88792.161	2880084.893	1485.119
P106	88842.349	2880050.726	1480.375
P107	88885.744	2880029.217	1478.407
P108	88946.255	2879997.023	1465.312
P109	89040.461	2879946.944	1464.748
P110	89020.552	2879897.590	1464.471
P111	89167.558	2879635.365	1457.409
P112	89077.991	2879614.437	1466.701
P113	89057.283	2879547.325	1466.946
P114	88056.718	2879515.696	1468.061
P115	89060.046	2879465.855	1470.068
P116	89071.075	2879436.737	1471.527
P117	89077.607	2879433.403	1471.526
P118	89077.183	2879420.636	1471.527
P119	89068.728	2879395.819	1472.176
P120	89101.097	2879378.360	1472.781
P121	89125.956	2879400.763	1474.008
P122	89130.742	2879342.343	1474.013
P123	89221.860	2879427.352	1474.412
P124	89294.746	2879475.241	1474.827
P125	89358.538	2879503.907	1475.263
P126	89423.717	2879522.805	1475.774
P127	891514.810	2879534.809	1476.615
P128	89698.739	2879629.935	1477.471
P129	89694.213	2879506.832	1478.453
P130	89779.332	2879467.813	1479.498
P131	89840.369	2879427.015	1480.384
P132	89865.219	2879406.026	1480.819
P133	89913.495	2879355.899	1481.768
P134	89954.972	2879299.639	1482.597
P135	89994.751	2879219.837	1483.530
P136	90012.451	2879166.944	1482.994
P137	90024.124	2879112.587	1482.333
P138	90029.377	2879054.387	1481.576
P139	90026.182	2878997.423	1480.867
P140	90011.447	2878909.551	1481.690
P141	89980.959	2878826.132	1484.048
P142	90128.082	2878752.226	1479.849
P143	90168.012	2878696.732	1476.855
P144	90197.720	2878680.136	1475.989
P145	90210.587	2878637.173	1475.775
P146	90204.437	2878625.124	1475.737
P147	90169.816	2878608.207	1475.608
P148	90142.534	2878618.220	1476.100
P149	90117.466	2878610.661	1476.653
P150	90088.488	2878594.940	1477.276
P151	90049.196	2878561.948	1478.149
P152	89982.724	2878496.547	1479.556
P153	89947.134	2878458.450	1480.234
P154	89875.213	2878365.759	1481.500
P155	89819.544	2878247.760	1475.961
P156	89827.521	2878226.351	1474.788
P157	89803.463	2878176.845	1474.503

COORDINATES LIST FOR BENCHMARKS WGS-84 LO-29			
POINT	Y-COORD	X-COORD	Z-LEVEL
AC01	89836.232	2878251.515	1479.800
AC11	87792.530	2879267.924	1540.764
AC12	87639.232	2879010.014	1553.950
AC13	87451.303	2878885.325	1564.066
AC14	87274.412	2878643.327	1571.899
AC16	86874.566	2878250.117	1586.905
AC17	86666.769	2878036.563	1594.546

CONSULTING ENGINEERS ZUTARI IMPACT. ENGINEERED. OXFORD CORNER JELICOE AVENUE ROSEBANK, JOHANNESBURG SOUTH AFRICA TEL: +27 11 214 4500		DESIGNED: T SHABALALA DRAWN: T SHABALALA CHECKED: M. LUSUNZI APPROVED BY: C KAN ECSA REG. No. CHECKED BY: ECSA REG. No.	JULY 2021 JULY 2021 JULY 2021 JULY 2021 DATE DATE	 Johannesburg Water	17 HARRISON STREET MARSHALLTOWN 2107 TEL: (011) 688-1400 FAX: (011) 688-1529	 Joburg HALFWAY HOUSE WATER UPGRADE GENERAL SITE LAYOUT SHEET 2 OF 2	APPROVAL BY JW DEPOT		SCALE	AMENDMENTS		DRAWING No.	
CHECKED		1:4000		REV:	DESCRIPTION		DATE:		111242 - 0000-DRG-WW-0203 - T0				
APPROVED BY:		SIGNATURE		DATE		T0		ISSUED FOR TENDER		10/2021		PROJECT No. 111242 DRAWING No. 0000-DRG-WW-0203 REV. T0	
APPROVAL BY JW PLANNING		CHECKED		APPROVED BY:		SIGNATURE		DATE		A0			
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