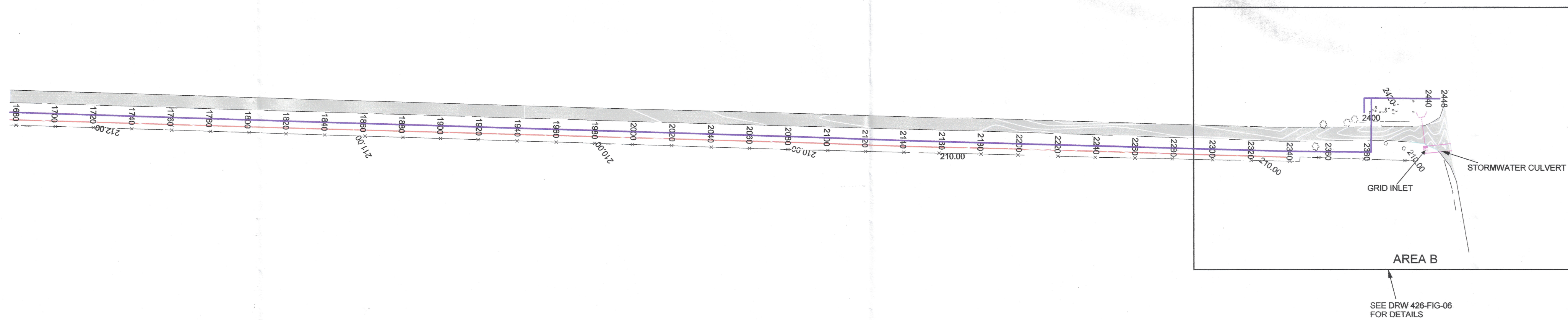
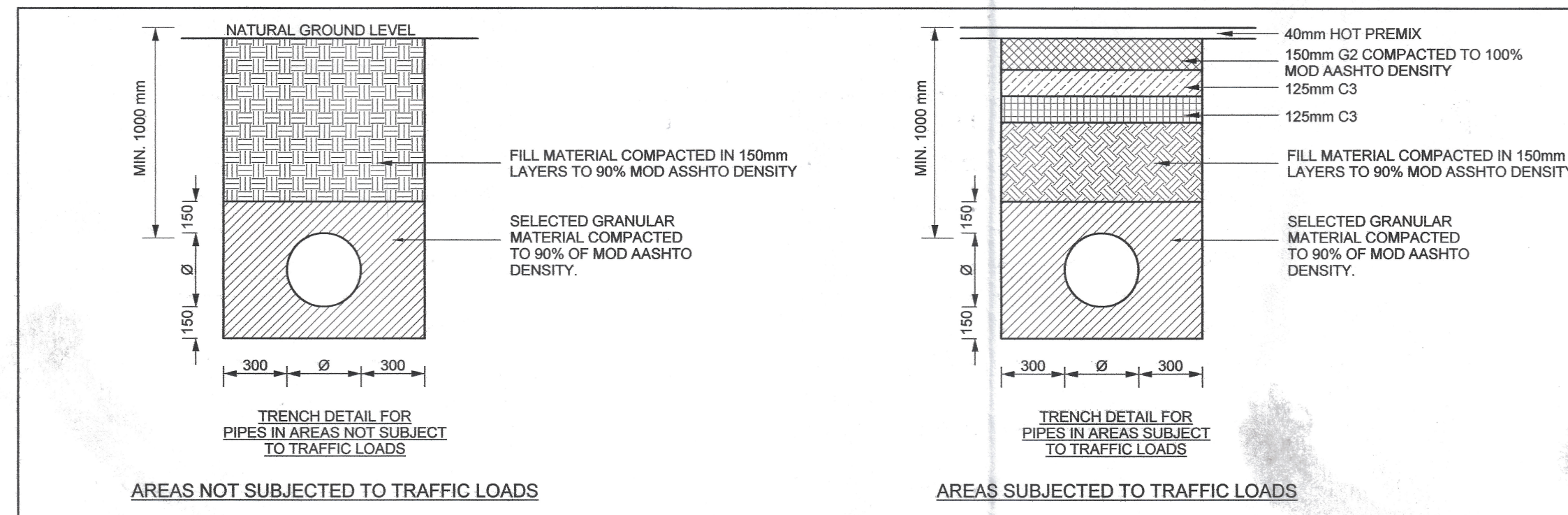


- LEGEND
- EXISTING MAIN ROAD 422
 - PROPOSED 500mm VECTUS WATER PIPE
 - EXISTING DOUBLE OVERHEAD POWER LINES 6,6 KV AND 22 KV
 - EXISTING ROAD RESERVE FENCE
 - EXISTING STORMWATER DITCH
 - EXISTING SAFETY BARRIER



CO-ORDINATE LIST			
BULK WATER PIPELINE			
POSITION	Y	X	CHAINAGE
PI8	-38979.429	3755790.244	2340.664
PI9	-38994.510	3755749.672	2383.948
PI10	-38968.105	3755739.857	2412.118
PI11	-38980.673	3755706.046	2448.189

BULK WATER PIPELINE

Chainage 1660 to 2448

Horizontal Scale 1:1500

Vertical Scale 1:200

Datum 195.000

CHAINAGES	1660	1680	1700	1720	1740	1760	1780	1800	1820	1840	1860	1880	1900	1920	1940	1960	1980	2000	2020	2040	2060	2080	2100	2120	2140	2160	2180	2200	2220	2240	2260	2280	2300	2320	2340	2360	2380	2400	2420	2440						
NATURAL GROUND LEVELS	212.28	212.13	212.00	211.87	211.74	211.62	211.50	211.38	211.27	211.12	210.96	210.80	210.64	210.46	210.33	210.19	210.06	209.93	209.82	209.67	209.54	209.42	209.30	209.18	209.02	208.85	208.72	208.59	208.45	208.32	208.19	208.06	207.92	207.78	207.64	207.50	207.36	207.22	207.08	206.94	206.80					
PIPE INVERT LEVELS	210.52	210.38	210.25	210.12	210.00	209.88	209.75	209.63	209.50	209.37	209.24	209.11	208.98	208.85	208.72	208.59	208.46	208.33	208.20	208.07	207.94	207.81	207.68	207.55	207.42	207.29	207.16	207.03	206.90	206.77	206.64	206.51	206.38	206.25	206.12	205.99	205.86	205.73	205.60	205.47	205.34	205.21				
CUT TO INVERT	1.74	1.75	1.75	1.75	1.75	1.77	1.78	1.79	1.82	1.90	1.78	1.75	1.73	1.71	1.69	1.66	1.63	1.60	1.57	1.54	1.51	1.48	1.45	1.42	1.39	1.36	1.33	1.30	1.27	1.24	1.21	1.18	1.15	1.12	1.09	1.06	1.03	1.00	0.97	0.94	0.91	0.88				
PIPE GRADIENT	-0.667 %										-0.377 %										0.46 %																									
PIPE DIAMETER & CLASS	500mm Ø VECTUS PIPE PN 10 SN 5000																																													

UTSHINTSHO / AMENDMENTS				UMLINGAN-ISELO SCALE	UMLINGANISELO WOMZOBO OHLISIWEYO SCALE ON REDUCED DRAWING	UMENZI DESIGN	JJ	ENGINEERING ADVICE AND SERVICES associated with ULWAZI 73 Heugh Road, Walmer P.O. Box 13867 Humewood Port Elizabeth 6013 tel/fax: (041) 581 2421	IVUNYELWE APPROVED	IVUNYELWE APPROVED	IPROJ/ETI / PROJECT	INANI LESIVUMELWANO CONTRACT NO.
INANI NO.	UMHLA DATE	INKCAZA DESCRIPTION	IVUNYELWE APPROVED									
				AS SHOWN	100mm KUMZOBO WANGAPHAMBI 100mm ON ORIGINAL DRAWING	UMENZI DESIGN UMZOBU DRAWN IVUNYELWE APPROVED UMHLA DATE	SB JJ AUGUST 2007		IVUNYELWE APPROVED UMENZI / CLIENT UMHLA / DATE	UMENZI / CLIENT UMHLA / DATE	(CHelsea RESERVOIR TO GREENBUSHES BULK SUPPLY AUGMENTATION) PARSONS VLEI ERF 2661 (PHASE 1) - BULK WATER UMZOBONKCAZA / DWG DESCRIPTION 500mm WATER PIPELINE LONGSECTION(CH 1660 - 2448 19)	INANI LOMZOBO DWG.NO. 426-FIG-05

WATER DISTRIBUTION SUB-SILO
PROPOSED LAYOUT APPROVED
Date 06/02/08