

ELEVATION
SCALE 1:25

PIPE SPECIAL SCHEDULE					
ITEM No.	DN (mm)	MATERIAL	DESCRIPTION (REFER TO DRG 2A-C6-127 AND SECTION 37 FOR CORROSION PROTECTION)	SKETCH (NTS)	TOTAL PER INSTALLATION
①	D1 D2	STEEL GRADE X52 STEEL GRADE X52	ECCENTRIC REDUCER: D1 X D2 PLAIN ENDED ECCENTRIC REDUCER. DN AND WT: TABLE 1		1

TABLE 1:

REDUCERS				
CHAINAGE (m)	D1 DN (mm)	D2 DN (mm)	WALL THICKNESS OF REDUCER (mm)	L1 (mm)
GRAVITY MAIN				
215	1 400	1 600	11	800
33 000	1 600	1 500	11	500
63 500	1 500	1 400	10	500
82 069	1 400	1 100	10	1 250

SHEET	DESCRIPTION	OTHER No.	REG. No.
1	PLAN AND LONGITUDINAL SECTION CH 0 TO CH 1 300	2H-C4-002	XXXXXXXXXX
26	PLAN AND LONGITUDINAL SECTION CH 32 500 TO CH 33 800	2H-C4-027	XXXXXXXXXX
49	PLAN AND LONGITUDINAL SECTION CH 62 400 TO CH 63 700	2H-C4-050	XXXXXXXXXX
64	PLAN AND LONGITUDINAL SECTION CH 81 900 TO CH 83 200	2H-C4-065	XXXXXXXXXX

LIST OF DRAWINGS

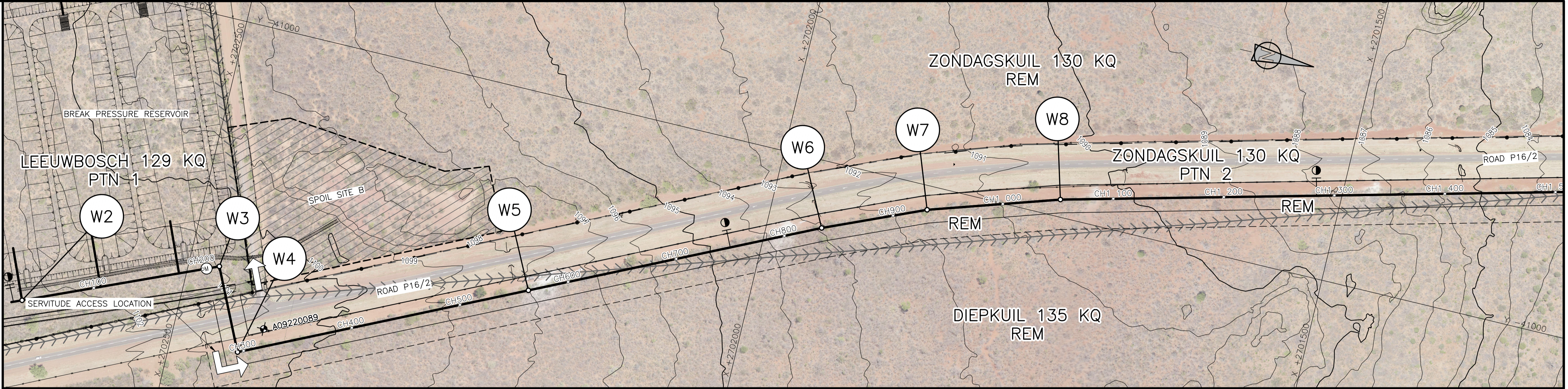
 WOODMEAD NORTH OFFICE PARK 54 MAXWELL DRIVE WOODMEAD	CONSULTING ENGINEER		REVISION		DEPARTMENT OF WATER AND SANITATION REPUBLIC OF SOUTH AFRICA		MOKOLO CROCODILE WATER AUGMENTATION PROJECT PHASE 2 (MCWAP-2)		
	 A new word for water IMPLEMENTING AGENT		MOD No.	DATE	DESCRIPTION	FOR	DWS	HEAD OFFICE: ENGINEERING SERVICES, PRIVATE BAG X313, PRETORIA 0001 SEDIBENG BUILDING, 185 FRANCIS BAARD STREET, PRETORIA (012) 336-7500	
			T1	03/24	ISSUED FOR TENDER	CVE		STANDARD DETAIL REDUCER DETAILS	
					P. DU PLESSIS Pr. Eng: 810012 CHECKED: 25/08/2021		DESIGN: C. VAN ECK DRAWN: A. STEENBERG		
					C. VAN ECK Pr. Eng: 20110038 ENGINEER: 25/08/2021		EXTERNAL APPROVAL: DATE:		
					P. VAN HEERDEN Pr. Eng: 920029 CHIEF ENGINEER / APP (Pr. Eng): 25/08/2021		DIRECTOR (Pr. Eng): DATE:		
					PROVINCE: LIMPOPO LOCALITY No.: XXXXXX		DISTRICT: THABAZIMBI/LEPHALELE TENDER/CONTRACT No.: XXXXXXXXXXXX		
					KEYCODES:		SHEET: 1 OF 1 REG. No.:		
					CALCULATION FILE: XXXXXXXXXXXXXXXXXXXX		OTHER NUMBER: 2A-C6-193 REV. T1		

TENDER
DRAWING

NOTES:

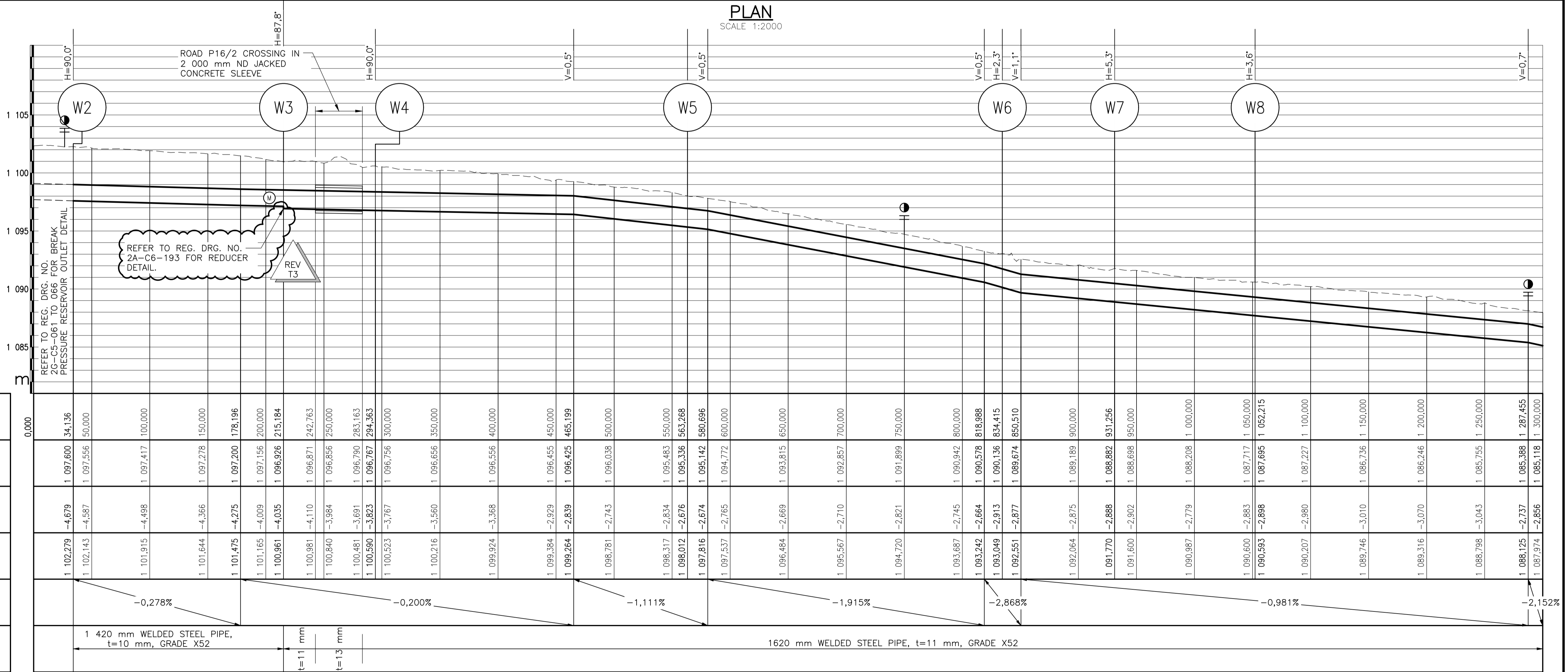
- REFER TO DRAWING 2F-C6-001 FOR SERVITUDE CROSS SECTION.
- REFER TO DRAWING 2A-C6-110 AND 111 FOR TYPICAL TRENCH DETAILS.

COORDINATE LIST WG27		
Node	YLo	XLo
W2	-41 292.322	+2 702 638.813
W3	-41 220.876	+2 702 472.458
W4	-41 292.354	+2 702 438.396
W5	-41 176.674	+2 702 195.646
W6	-41 059.862	+2 701 950.950
W7	-41 021.654	+2 701 861.966
W8	-40 984.443	+2 701 746.872
W9	-40 703.501	+2 700 649.907



LEGEND

- PERMANENT SERVITUDE
- TEMPORARY SERVITUDE
- PIPELINE
- AIR VALVE
- SCOUR VALVE
- ACCESS TO PIPELINE
- ISOLATING VALVE
- FLOW METER
- NON-RETURN VALVE
- OFF-TAKE
- BENCHMARK
- FARM BOUNDARY
- CADASTRAL BOUNDARY
- EXISTING SERVITUDE
- EXISTING FENCES
- POWERLINES

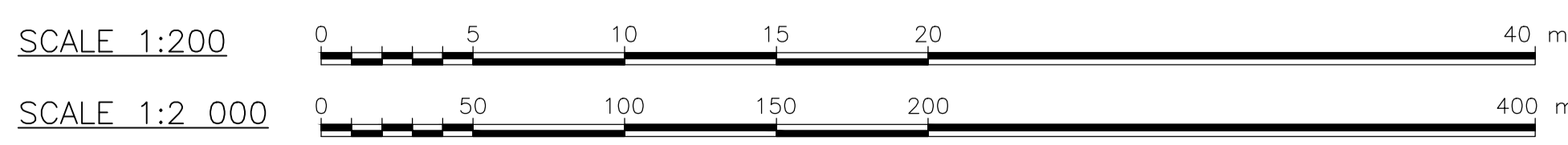


CHAINAGE (m)	INVERT LEVEL	DEPTH TO INVERT	GROUND LEVEL	PIPE GRADES	PIPE DETAILS
0+000	1 097,800	-4,679	1 102,279		
0+100	1 097,556	-4,587	1 102,143		
0+200	1 097,417	-4,498	1 101,915		
0+300	1 097,278	-4,366	1 101,644		
0+400	1 097,200	-4,275	1 101,475		
0+500	1 097,156	-4,009	1 101,165		
0+600	1 096,926	-4,035	1 100,961		
0+700	1 096,871	-4,110	1 100,981		
0+800	1 096,856	-3,984	1 100,840		
0+900	1 096,790	-3,691	1 100,481		
1+000	1 096,767	-3,823	1 100,590		
1+100	1 096,756	-3,767	1 100,523		
1+200	1 096,656	-3,560	1 100,216		
1+300	1 096,556	-3,368	1 099,924		
1+400	1 096,455	-2,929	1 099,384		
1+500	1 096,425	-2,839	1 099,264		
1+600	1 096,038	-2,743	1 098,781		
1+700	1 095,483	-2,834	1 098,317		
1+800	1 095,336	-2,676	1 098,012		
1+900	1 095,142	-2,674	1 097,816		
2+000	1 094,772	-2,765	1 097,537		
2+100	1 093,915	-2,669	1 096,484		
2+200	1 092,857	-2,710	1 095,567		
2+300	1 091,899	-2,821	1 094,720		
2+400	1 090,942	-2,745	1 093,687		
2+500	1 090,578	-2,664	1 093,242		
2+600	1 090,136	-2,913	1 093,049		
2+700	1 089,674	-2,877	1 092,551		
2+800	1 089,189	-2,875	1 092,064		
2+900	1 088,682	-2,888	1 091,770		
3+000	1 088,698	-2,902	1 091,600		
3+100	1 088,208	-2,779	1 090,987		
3+200	1 087,717	-2,883	1 090,600		
3+300	1 087,695	-2,898	1 090,593		
3+400	1 087,227	-2,980	1 090,207		
3+500	1 086,736	-3,010	1 089,746		
3+600	1 086,246	-3,070	1 089,316		
3+700	1 085,755	-3,043	1 088,798		
3+800	1 085,388	-2,737	1 088,125		
3+900	1 085,118	-2,856	1 087,974		
4+000					

LONGITUDINAL SECTION
SCALE HORIZONTAL 1:2 000
SCALE VERTICAL 1:200

SHEET	DESCRIPTION	OTHER No.	REG. No.
2	PIPELINE DATA SHEET	2H-C1-002	XXXXXXXXXX
1	PIPELINE DATA SHEET	2H-C1-001	XXXXXXXXXX

LIST OF DRAWINGS



CONSULTING ENGINEER

WOODMEAD NORTH OFFICE PARK
54 MAXWELL DRIVE
WOODMEAD

IMPLEMENTING AGENT

A new word for water

MOD No.	DATE	DESCRIPTION	FOR	DWS
T1	07/21	ISSUED FOR TENDER	PVH	
T2	09/23	SERVITUDE ACCESS	PdP	
T3	03/24	REDUCER REFERENCE ADDED	CvE	

DEPARTMENT OF WATER AND SANITATION
REPUBLIC OF SOUTH AFRICA

HEAD OFFICE
ENGINEERING SERVICES
PRIVATE BAG X313
PRETORIA 0001

SEDIBENG BUILDING
185 FRANCIS BAARD STREET
PRETORIA
(012) 336-7500

P. DU PLESSIS
Pr. Eng: 810012
CHECKED: 10/08/2021

P. VAN HEERDEN
Pr. Eng: 920029
ENGINEER: 10/08/2021

P. VAN HEERDEN
Pr. Eng: 920029
CHIEF ENGINEER / APP (Pr. Eng): 10/08/2021

DESIGN: P. VAN HEERDEN
DRAWN: A. STEENBERG

EXTERNAL APPROVAL: DATE: _____

DIRECTOR (Pr. Eng): DATE: _____

MOKOLO CROCODILE WATER AUGMENTATION PROJECT PHASE 2 (MCWAP-2)

**GRAVITY MAIN
PLAN AND LONGITUDINAL SECTION
CH 0 TO CH1 300**

PROVINCE: LIMPOPO DISTRICT: THABAZIMBI/LEPHALELA KEYCODES: _____ OTHER NUMBER: 2H-C4-002

LOCALITY No.: XXXXXX TENDER/ CONTRACT No.: XXXXXXXXXXXX SHEET: 1 of 78 REG. No.: _____ REV. NUMBER: T3

CALCULATION FILE: XXXXXXXXXXXXXXXXXXXX

**TENDER
DRAWING**