

NOTES:

1. REFER TO DRAWING 2F-C6-001 FOR SERVITUDE CROSS SECTION.

2. REFER TO DRAWING 2A-C6-110 AND 111 FOR TYPICAL TRENCH DETAILS.

COORDINATE LIST			
WG27			
Node	YLo	XLo	
W22	-45 584.232	+2 690 873.785	
W23	-45 604.907	+2 688 632.686	

LEGEND

PERMANENT SERVITUDE

TEMPORARY SERVITUDE

PIPELINE

AIR VALVE

SCOUR VALVE

ACCESS TO PIPELINE

ISOLATING VALVE

FLOW METER

NON-RETURN VALVE

OFF-TAKE

BENCHMARK

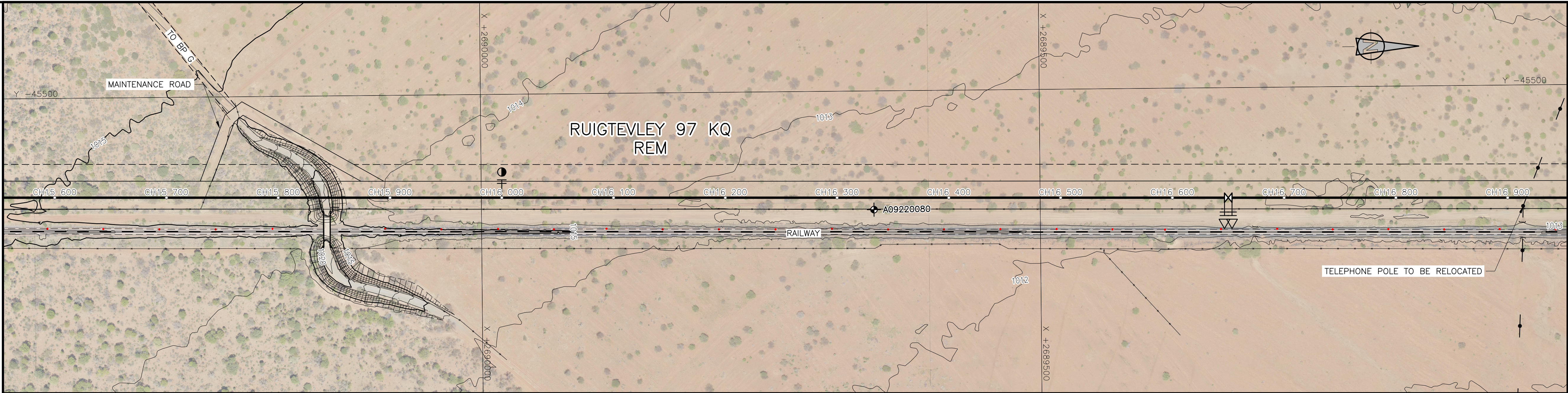
FARM BOUNDARY

CADASTRAL BOUNDARY

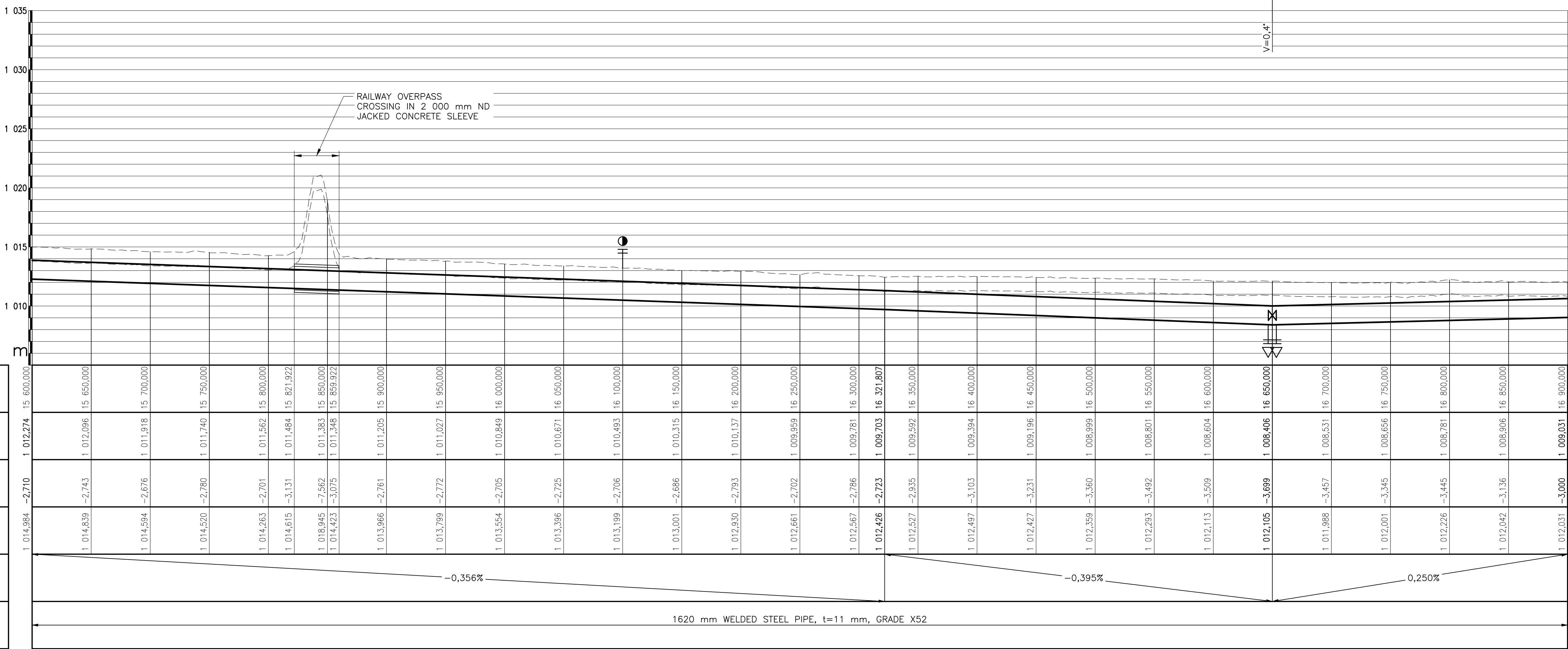
EXISTING SERVITUDE

EXISTING FENCES

POWERLINES



PLAN
SCALE 1:2000



Datum : 1 005 m

CHAINAGE (m)
15 600,000
15 650,000
15 700,000
15 750,000
15 800,000
15 850,000
15 900,000
16 000,000
16 050,000
16 100,000
16 150,000
16 200,000
16 250,000
16 300,000
16 350,000
16 400,000
16 450,000
16 500,000
16 550,000
16 600,000
16 650,000
16 700,000
16 750,000
16 800,000
16 850,000
16 900,000

INVERT LEVEL
1 012,096
1 011,918
1 011,740
1 011,562
1 011,484
1 011,383
1 011,348
1 011,205
1 011,027
1 010,849
1 010,671
1 010,493
1 010,315
1 010,137
1 009,959
1 009,781
1 009,604
1 009,426
1 009,248
1 009,070
1 008,892
1 008,714
1 008,536
1 008,358
1 008,180
1 007,999
1 007,819
1 007,639
1 007,459
1 007,279
1 007,099
1 006,919
1 006,739
1 006,559
1 006,379
1 006,199
1 006,019
1 005,839
1 005,659
1 005,479
1 005,299
1 005,119
1 004,939
1 004,759
1 004,579
1 004,399
1 004,219
1 004,039
1 003,859
1 003,679
1 003,499
1 003,319
1 003,139
1 002,959
1 002,779
1 002,599
1 002,419
1 002,239
1 002,059
1 001,879
1 001,699
1 001,519
1 001,339
1 001,159
1 000,979
1 000,799
1 000,619
1 000,439
1 000,259
1 000,079
1 000,000

DEPTH TO INVERT
-2,710
-2,743
-2,676
-2,780
-2,701
-3,131
-7,562
-3,075
-2,761
-2,772
-2,705
-2,725
-2,706
-2,686
-2,793
-2,702
-2,786
-2,723
-2,935
-3,103
-3,231
-3,360
-3,492
-3,509
-3,699
-3,457
-3,345
-3,445
-3,136
-3,000

GROUND LEVEL
1 014,839
1 014,594
1 014,520
1 014,263
1 014,615
1 018,945
1 014,423
1 013,966
1 013,799
1 013,554
1 013,396
1 013,199
1 013,001
1 012,930
1 012,661
1 012,567
1 012,426
1 012,527
1 012,497
1 012,427
1 012,359
1 012,293
1 012,113
1 012,105
1 011,988
1 012,001
1 012,226
1 012,042
1 012,031

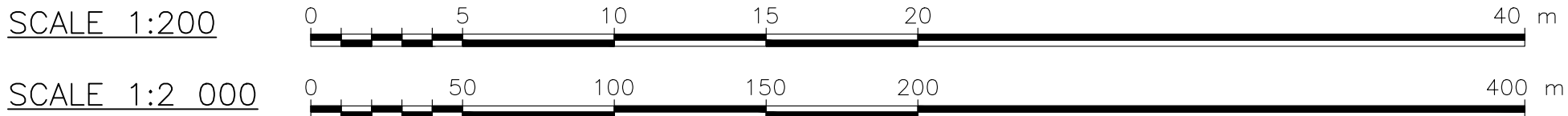
PIPE GRADES
-0,356%
-0,395%
0,250%

PIPE DETAILS
1620 mm WELDED STEEL PIPE, t=11 mm, GRADE X52

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

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

LIST OF DRAWINGS



CONSULTING ENGINEER

GBN JOINT VENTURE

WOODMEAD NORTH OFFICE PARK
54 MAXWELL DRIVE
WOODMEAD

IMPLEMENTING AGENT

TCTA

A new word for water

MOD No.	DATE	REVISION	FOR	DWS
T1	07/21	ISSUED FOR TENDER	PvH	
T2	09/23	SERVITUDE ACCESS REMOVED	PdP	

TENDER DRAWING

DEPARTMENT OF WATER AND SANITATION
REPUBLIC OF SOUTH AFRICA

HEAD OFFICE
ENGINEERING SERVICES
PRIVATE BAG X313
PRETORIA 0001

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

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

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

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

CHIEF ENGINEER / APP (Pr. Eng): DATE: DIRECTOR (Pr. Eng): DATE:

DESIGN: P. VAN HEERDEN
DRAWN: A. STEENBERG

EXTERNAL APPROVAL: DATE:

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

GRAVITY MAIN
PLAN AND LONGITUDINAL SECTION
CH15 600 TO CH16 900

PROVINCE: LIMPOPO
DISTRICT: THABAZIMBI/LEPHALE
LOCALITY No.: XXXXXX
TENDER/ CONTRACT No.: XXXXXXXXXXXX
CALCULATION FILE: XXXXXXXXXXXXXXXXXXXX

KEYCODES:
OTHER NUMBER: 2H-C4-014
SHEET: 13 of 78
REV. No.: T2