

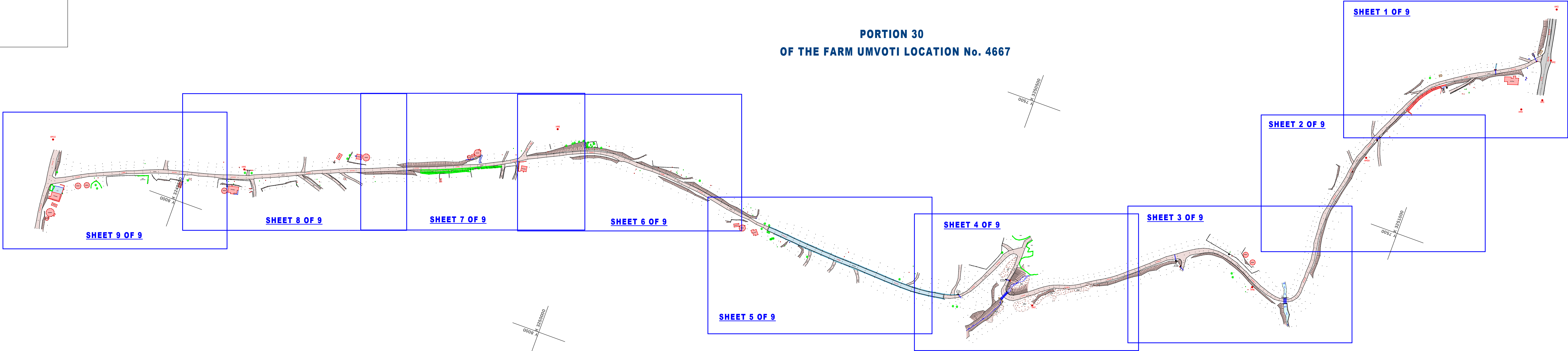
LEGEND	
4TRO.SMTCAN	: 4 Trees + Girth and Canopy
BB	: Bottom of Bank
BBSTR	: Bottom of Bank & Stream
BQAB	: Bottom of Gabion
BHW	: Bottom of Headwall
BPILL	: Brick Pillar
BRW	: Brick Retaining Wall
BSTR	: Bottom of Bank/Stream
BTR1W	: Banana Tree + Girth
BW	: Brick Wall
CB	: Corner of Building
CCD	: Centre of Concrete Drain
CCR	: Centre of Concrete Road
CCR	: Centre of Gravel Road
CR	: Centre of Road
CRBL	: Centre of Road / Broken White Line
DRN	: Drain
EGR	: Edge of Gravel Road
ER	: Edge of Road
ET	: Edge of Gravel Track
EXP	: Exposed Pipe
QDR	: Gravel Driveway
PLMRK	: Pipeline Marker
PP	: Power Pole
PPECB	: Power Pole & Electric Box
RCK	: Rock
STMP1W	: Tree Stump + Girth
STPOLE	: Stay Pole
STWIRE	: Stay Wire
TB	: Top of Bank
TBSTR	: Top of Bank & Stream
TBTCAN	: Top of Bank / Tree Canopy
TCD	: Top of Concrete Drain
TD	: Top of Drain
TOAB	: Top of Gabion
TBW	: Top of Headwall
TP	: Telephone Pole
TRO.1SW	: Tree + Girth
TRCAN	: Tree Canopy
TRW	: Top of Retaining Wall
TSTR	: Top of Stream Bank
VMH	: Valve Manhole
WF	: Wire Fence
WM	: Water Meter
WPOLE	: Wooden Pole
WTANK	: Water Tank

SETTING OUT CONTROL POINTS			SYSTEM : WG31	
Name	Y	X	Z	Description
FEBE	7200.57	3251134.17	709.87	12mm Iron Peg in Concrete
HW1	7273.62	3251117.54	713.77	12mm Iron Peg in Tar Road
HW2	7221.49	3251110.49	710.32	12mm Iron Peg in Tar Road
HW3	7156.86	3251094.84	706.89	12mm Iron Peg in Tar Road
HW4	7294.12	3251096.05	718.16	Drill Hole in Concrete Manhole Cover
HW5	7077.01	3251329.69	676.68	Drill Hole on Concrete Marker
HW5A	7421.63	3250928.83	711.58	12mm Iron Peg in Concrete
HW6	7629.52	3250847.47	696.04	12mm Iron Peg in Concrete
HW7	7749.07	3250588.16	708.39	12mm Iron Peg in Concrete
HW8	7744.55	3249933.07	809.51	12mm Iron Peg in Concrete
HW9	7932.30	3249569.82	817.29	12mm Iron Peg in Concrete
HW10	7980.49	3249324.02	813.67	12mm Iron Peg in Concrete

NOTES :-

- GPS was calibrated on Trigonometric Beacon 104 (Single Tree DS 2930) and checked onto Trigonometric Beacon 537 (Matuleni DS 2930) and Trigonometric Beacon 539 (Oswati N DS 2930). Satisfactory/good misclosures were obtained :-
TR 537 (Matuleni DS 2930) : DY = +0.026m DX = +0.061m DZ = -0.122m.
TR 539 (Oswati N DS 2930) : DY = -0.016m DX = +0.005m DZ = -0.214m.
- Survey on the WG 31 system and heights on mean sea level related to Trigonometric Beacon 104 (Single Tree DS 2930).
- Cadastral boundaries are from Surveyor General's GIS data base - February 2026.
- Only visible services were surveyed.
- Plot per PDF thus scale may differ. Use electronic files for design purposes.

PORTION 30
OF THE FARM UMVOTI LOCATION No. 4667



PORTION 30
OF THE FARM UMVOTI LOCATION No. 4667



SHEET INDEX

DETAIL TOPOGRAPHICAL SURVEY OF :
FEBE ACCESS ROAD IN WARD 02, NDWEDWE
Situates on Portion 30 of the Farm Umvoti Location No. 4667

SCALE 1 : 2000 (A0)