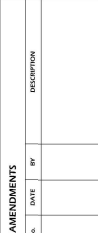


SYMBOL PRINT ISSUED ON		504, 47C, New Dene 10166 T: +27 16 461 0000 E: info@dagwisa.co.za W: www.dagwisa.co.za Knowledge and innovation enabled All South Africa	RESULT DRIVEN dagwisa.co.za	CLIENT MAQUASSI HILLS LOCAL MUNICIPALITY	PRODUCT UNDERGROUND RESOURCE MANAGEMENT, DESIGN, CONSTRUCTION MONITORING OF THE EXPLORATION AND EQUIPPING OF BOREHOLES IN MHLM	IMPLEMENTING AGENT: MAQUASSI HILLS LOCAL MUNICIPALITY	DRAWING TITLE LOCALITY PLAN	DATE			
								DESIGN PM	DATE AUG-25	DRAWN PM	DATE AUG-25
								SCALE			
								AS SHOWN			
								DRAWING No.			
								NW/404/20/8,7,15/35/1			
								AMENDMENT No.			

Google Earth

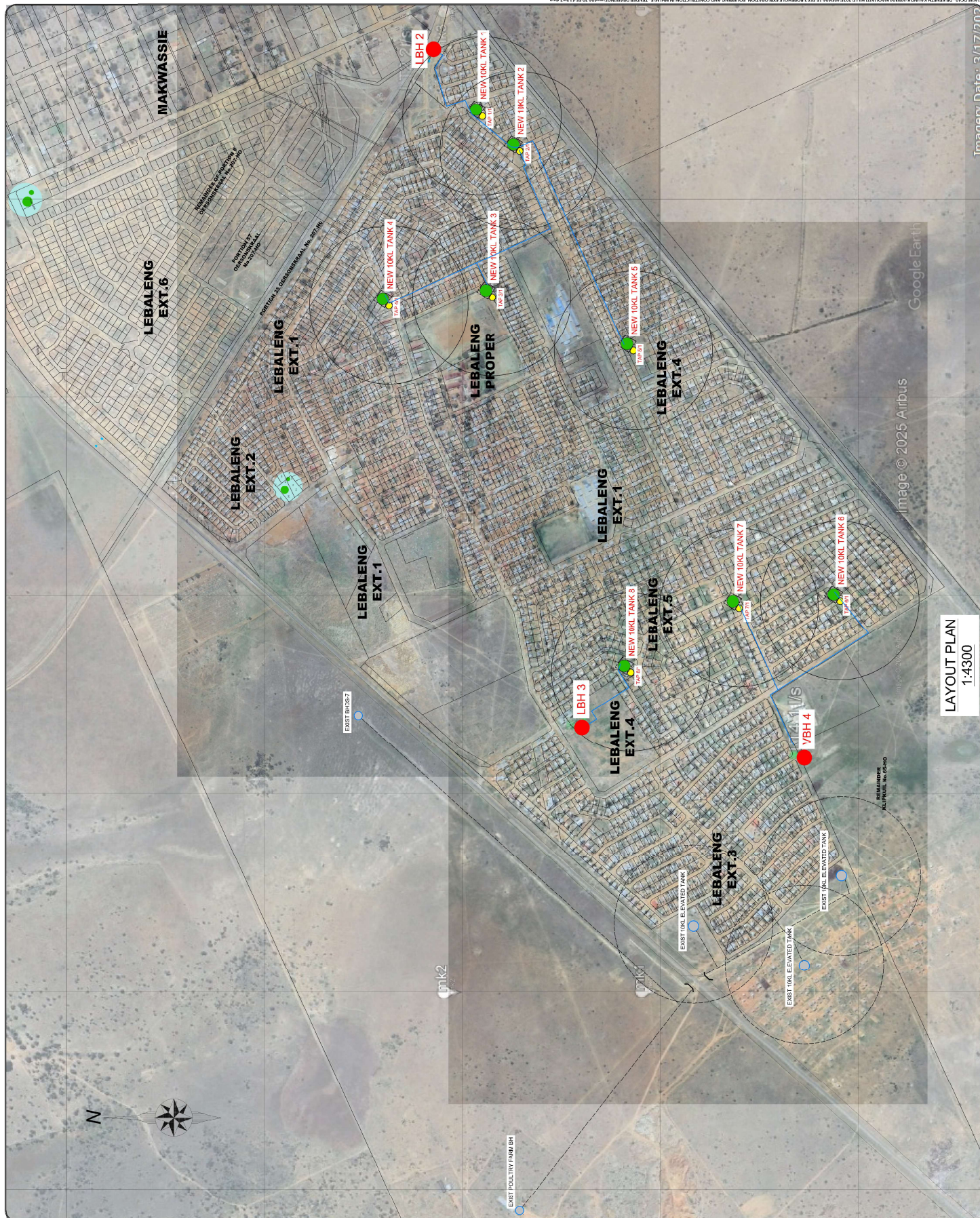
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PROJECT

COMPLEMENTING AGENT:
MAQUASSI HILLS LOCAL MUNICIPALITY

DESIGN	DATE	DRAWN	DATE
PM	AUG 25	PM	AUG 25
SURVEYED	DATE	CHECKED	DATE

SCALE as shown
DRAWING NO. NW404/20/8.7.15/35/3







NOTES

WHAT ISSUED

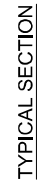
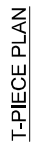
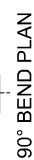


PROJECT
UNDERGROUND RESOURCE
MANAGEMENT, DESIGN,
CONSTRUCTION, MONITORING
OF THE EXPLORATION AND
COLLIMING OF ROADS

THRUST BLOCK DETAILS & GRAPHS

SALE

MOVEMENT



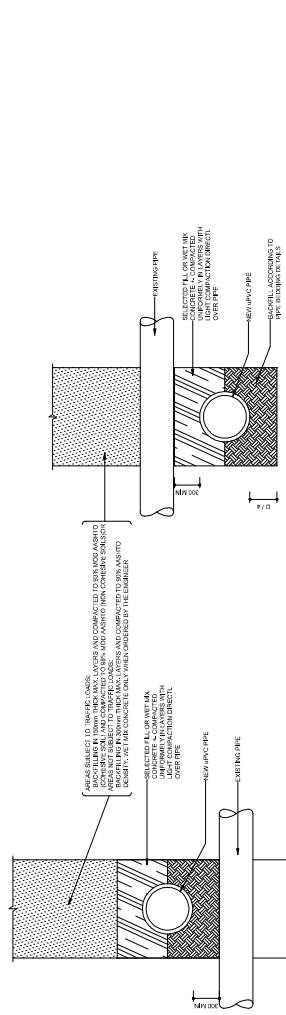


AMENDMENTS	
NO.	DESCRIPTION

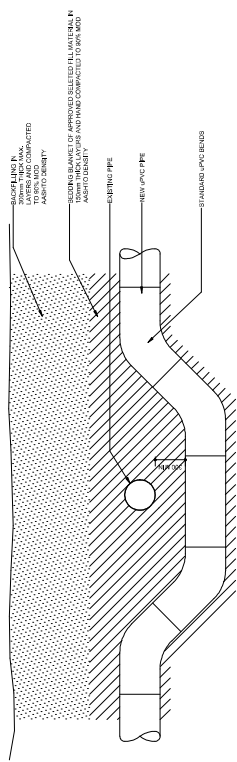
NOTES	

REFERENCE DRAWINGS	
PLAN No.	DESCRIPTION

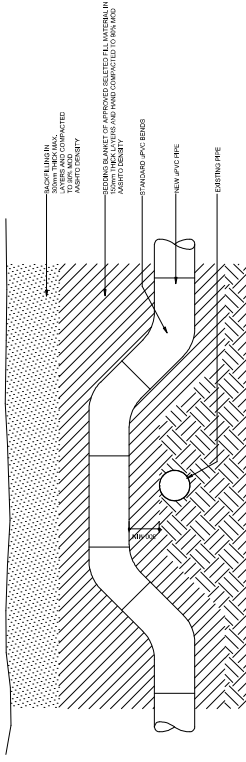
- NOTES: PIPE CULVERT
1. ALL PIPE CULVERTS TO BE APPROVED BY THE ENGINEER. ALL MATERIAL N° 150mm LAYERS AND HAND COMPACTED TO 95% MOD. AASHTO DENSITY.
 2. ALL PIPE CULVERT TO BE INTERLOCKING JOINT (PIES-SANS 677 (SC TYPE)
 3. ALL PIPE CULVERT ROAD CROSSING SHALL BE CLASS 750 PIPES
 4. ALL PIPE CULVERT SHALL BE CLASS 300 UNLESS OTHERWISE SPECIFIED
 5. AREAS SUBJECT TO TRAFFIC LOADS.
 6. BACKFILLING N° 150mm THICK LAYERS AND COMPACTED TO 95% MOD. AASHTO DENSITY. WET MIX CONCRETE SHALL BE CLASS 300 UNLESS OTHERWISE SPECIFIED
 7. BACKFILLING N° 300mm THICK LAYERS AND COMPACTED TO 95% MOD. AASHTO DENSITY. WET MIX CONCRETE SHALL BE CLASS 300 UNLESS OTHERWISE SPECIFIED
 8. 3" SIDE ALLOWANCE D° NOMINAL DIAMETER



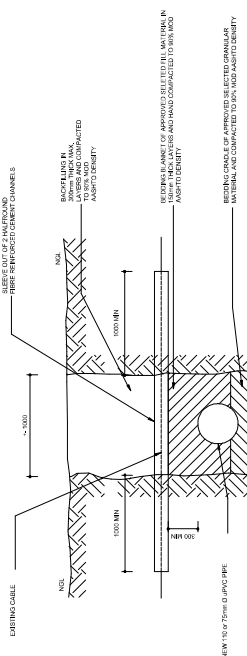
TYPICAL UNDERGROUND PIPE CROSSING DETAILS
1:30



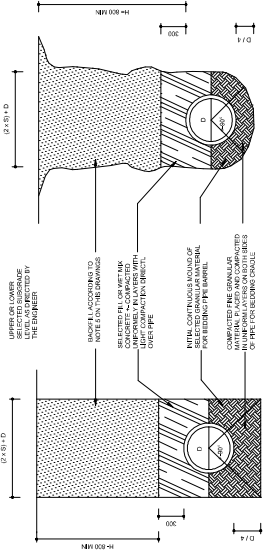
TYPICAL UNDERGROUND PIPE CROSSING
DETAILS IF ON SAME LEVEL OPTION 1
1:25



TYPICAL UNDERGROUND PIPE CROSSING
DETAILS IF ON SAME LEVEL OPTION 2
1:25



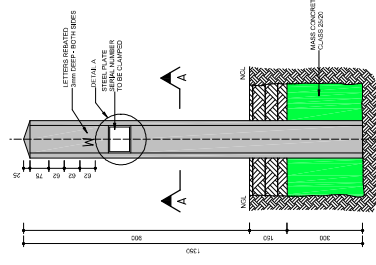
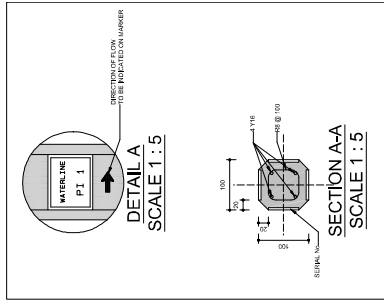
TYPICAL UNDERGROUND CABLE CROSSING DETAIL
1:30



IN ROCK

IN SOIL

CLASS B BEDDING
1:30



PIPELINE PRECAST CONCRETE
MARKER POST
SCALE 1:10

[illegible]