

FETAKGOMO - TUBATSE LOCAL MUNICIPALITY



MOTAGANENG ACCESS BRIDGE CONTRACT No. MIG/R/LP/17885/21/22 TENDER DRAWING

ISSUED BY:

MUNICIPAL MANAGER
FETAKGOMO - TUBATSE LOCAL MUNICIPALITY
1 Kastania Streets
PO Box 206
Burgersfort
1150
Tel: 013 231 1000
Fax: 013 231 7467

PREPARED BY:

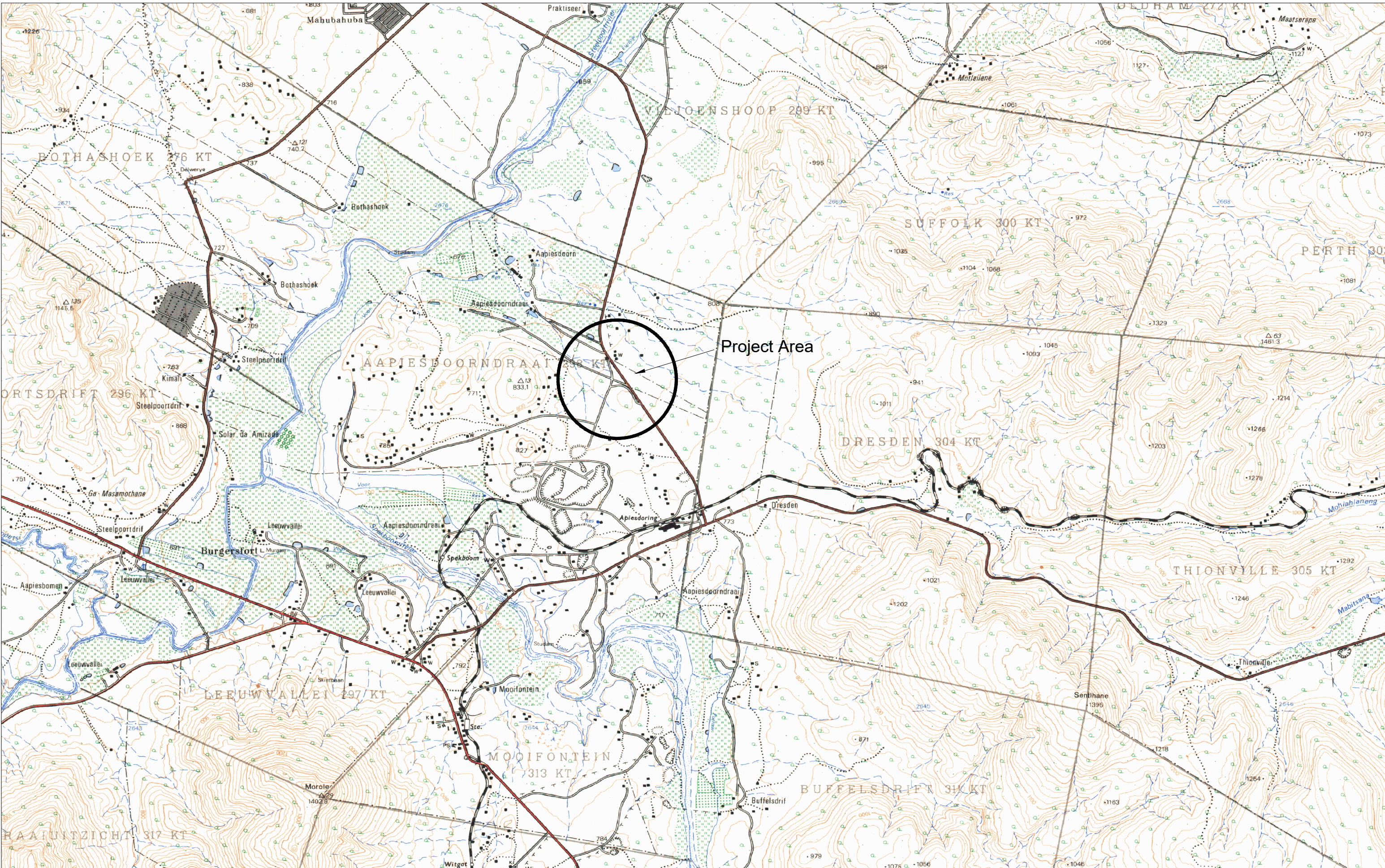
TMS CONSULTING ENGINEERS & PROJECT MANAGEMENT
39A Ehmke Street
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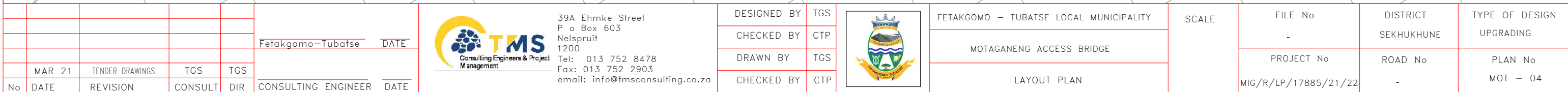
FETAKGOMO - TUBATSE LOCAL MUNICIPALITY
LIST OF DRAWINGS

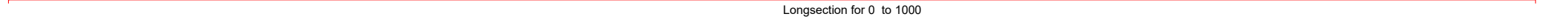
DRAWING NO.	DESCRIPTION
MOT - 01	LIST OF DRAWING
MOT - 02	LOCALITY PLAN - A
MOT - 03	LOCALITY PLAN - B
MOT - 04	LAYOUT PLAN
MOT - 05	PLAN AND LONG SECTION CH 0 TO CH 760
MOT - 06	PLAN AND LONG SECTION CH 1000 TO CH 1760
MOT - 07	CROSS SECTION DETAILS CH 0 TO CH 1000
MOT - 08	CROSS SECTION DETAILS CH 1000 TO CH 1800
MOT - 09	STOPPING SIGHT LAYOUT PLAN
MOT - 10	INTERSECTION CROSS SECTION DETAILS CH 0 TO CH 271
MOT - 11	STORMWATER LAYOUT PLAN AND LONG SECTION
MOT - 12	ROAD SIGNS AND MARKINGS DETAILS CH 0 TO CH 1000
MOT - 13	ROAD SIGNS AND MARKINGS DETAILS CH 1000 TO CH 1800
MOT - 14	TYPICAL PORTAL CULVERT & GABION DETAILS
MOT - 15	BEDDING SCHEDULE DETAILS
MOT - 16	CROSS SECTION AND STANDARD DETAILS
MOT - 17	PIPE CULVERT DETAILS
MOT - 18	SPEED HUMP DETAILS
MOT - 19	ACCOMODATION OF TRAFFIC
MOT - 20	TEMPORARY ROAD SIGNS
MOT - 21	NAME BOARD

[illegible]

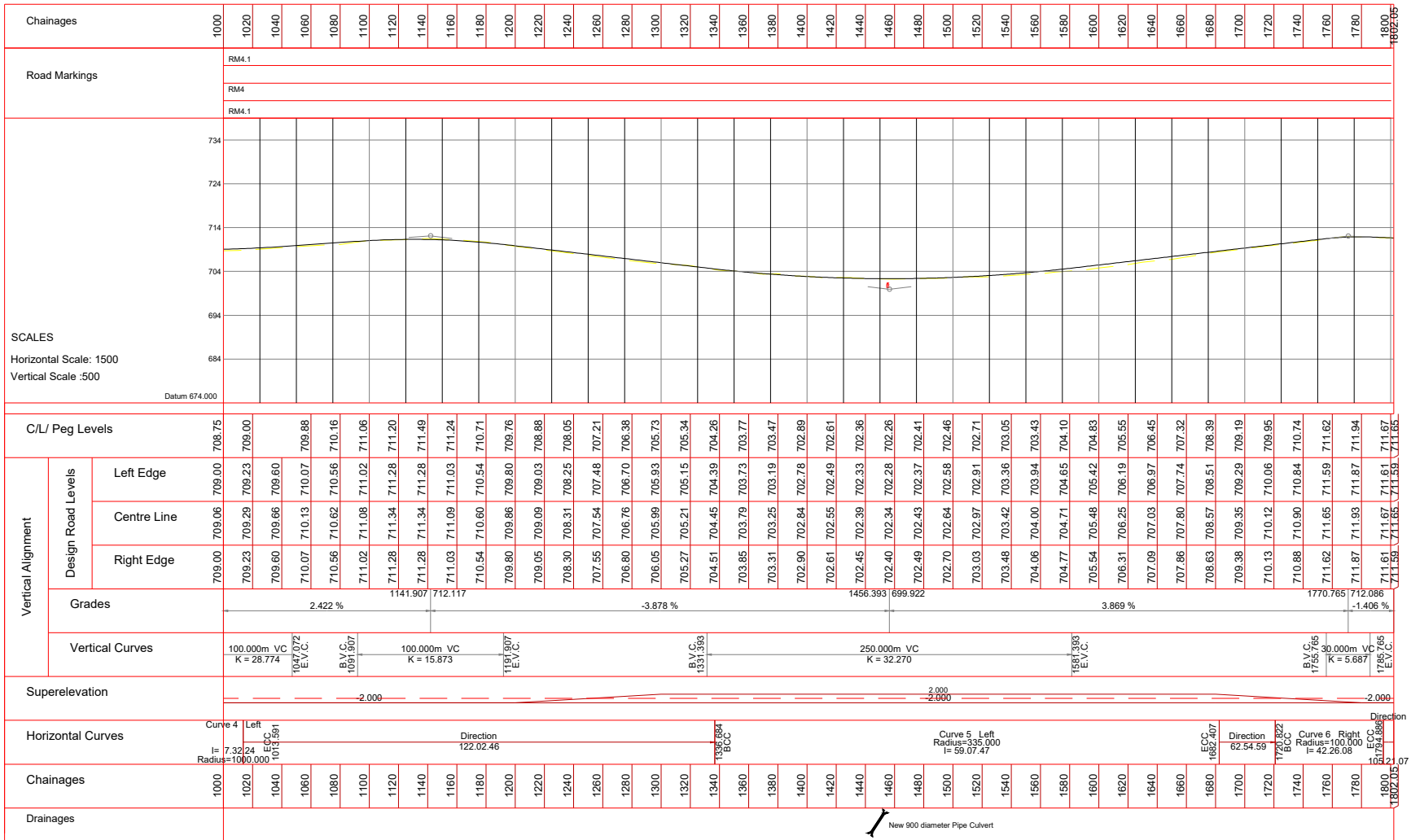
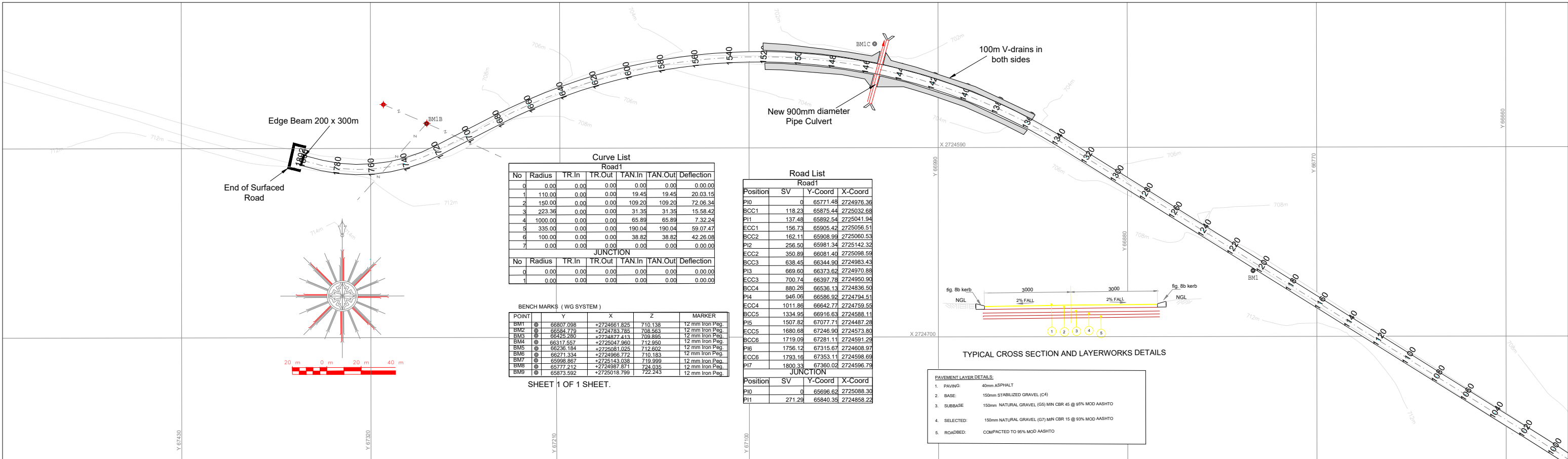


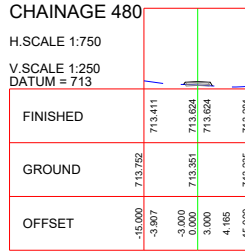
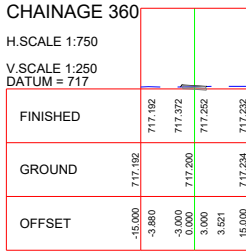
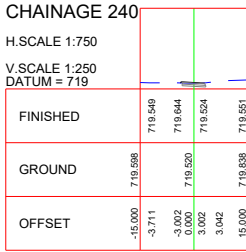
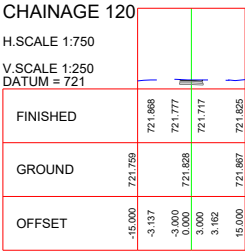
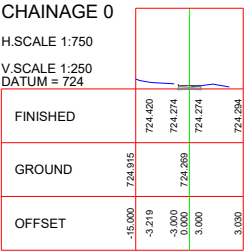
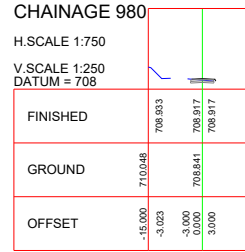
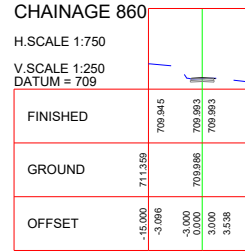
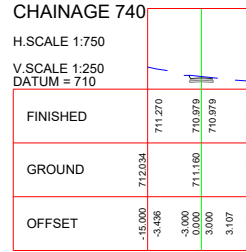
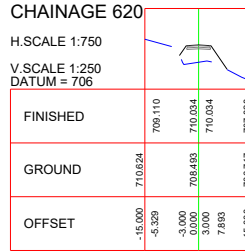
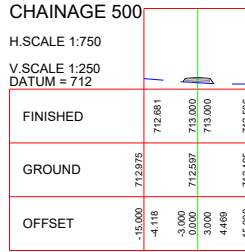
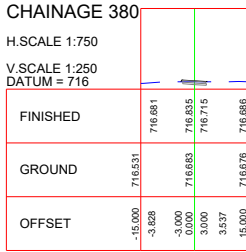
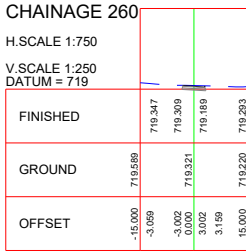
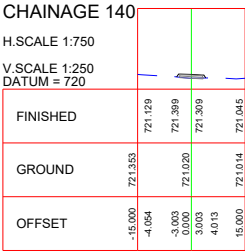
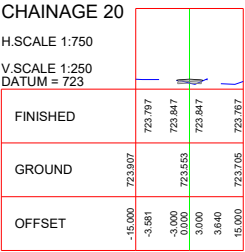
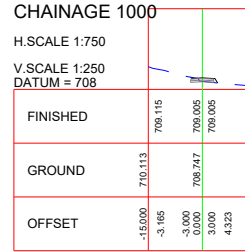
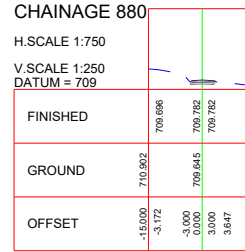
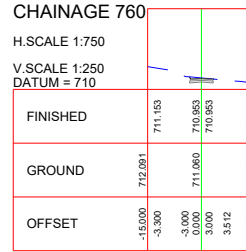
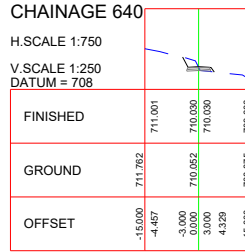
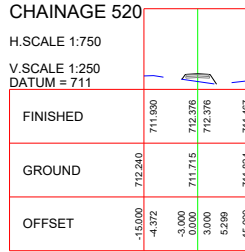
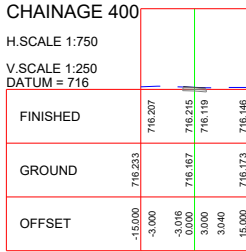
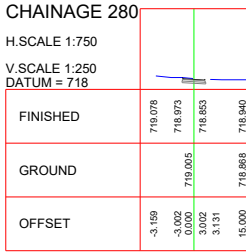
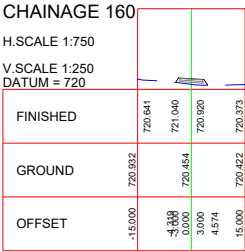
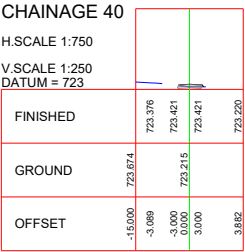
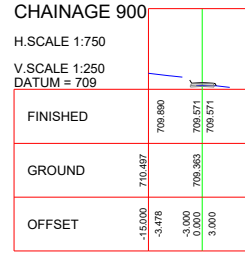
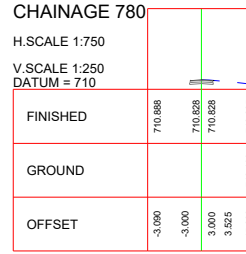
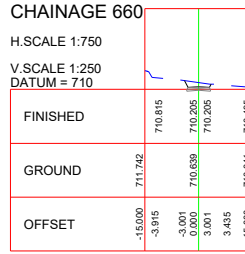
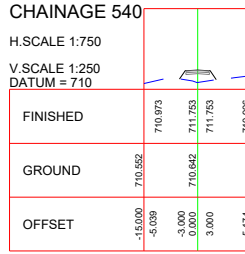
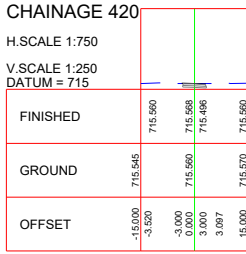
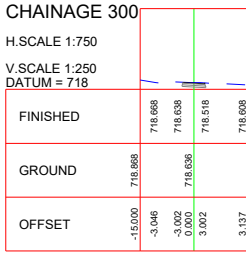
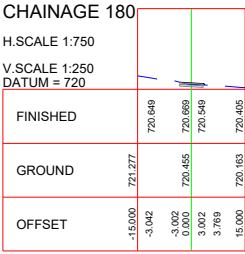
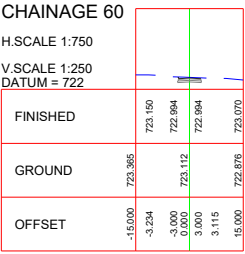
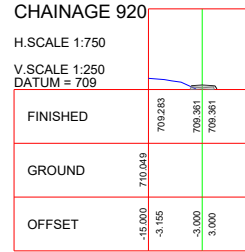
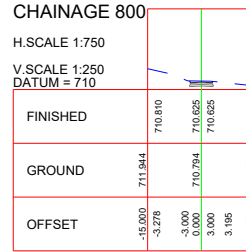
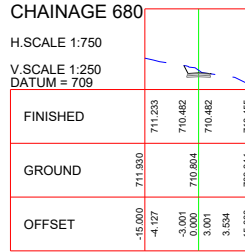
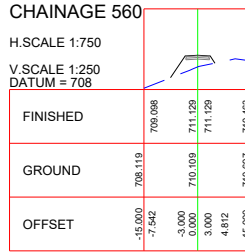
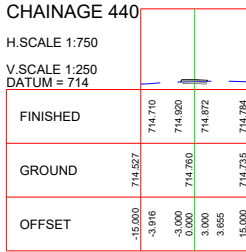
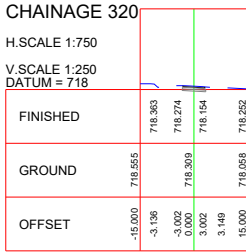
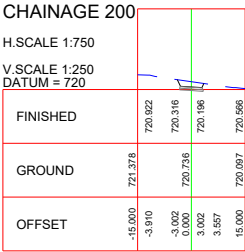
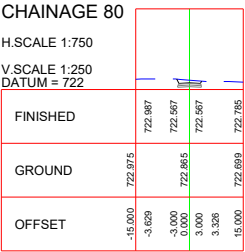
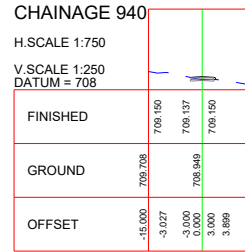
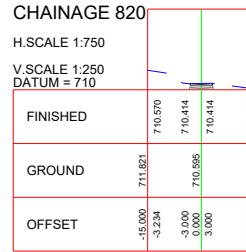
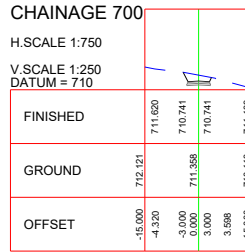
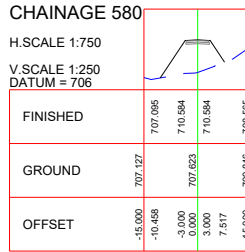
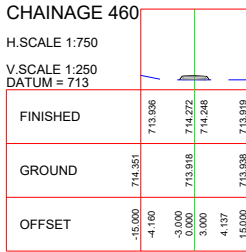
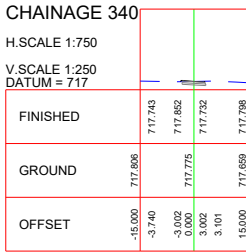
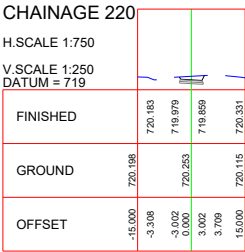
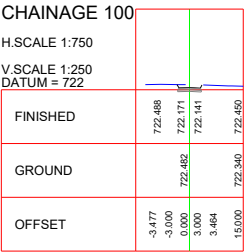
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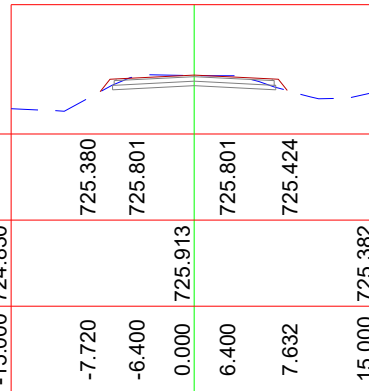


					Fetakgomo – Tubatse	DATE	 39A Ehmke Street P o Box 603 Nelspruit 1200 Tel: 013 752 8478 Fax: 013 752 2903 email: info@tmsconsulting.co.za	DESIGNED BY	TGS		FETAKGOMO – TUBATSE LOCAL MUNICIPALITY	SCALE	FILE No	DISTRICT	TYPE OF DESIGN				
	MAR 21	TENDER DRAWINGS	TGS	TGS															
No	DATE	REVISION	CONSULT	DIR	CONSULTING ENGINEER	DATE							PROJECT No	ROAD No	PLAN No				
													MIG/R/LP/17885/21/22	-	MOT – 05				

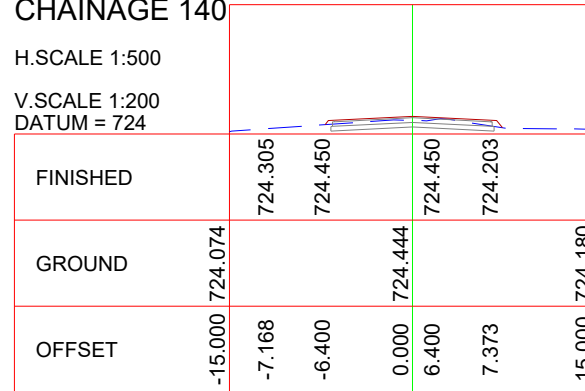




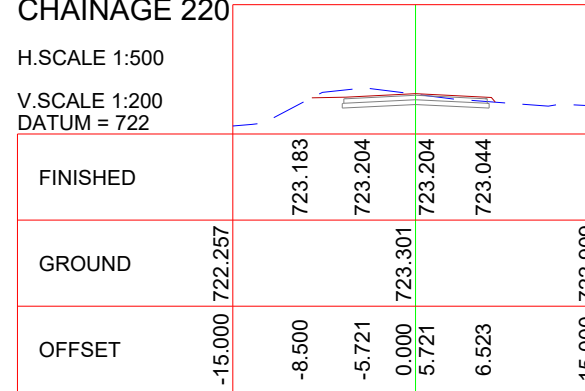
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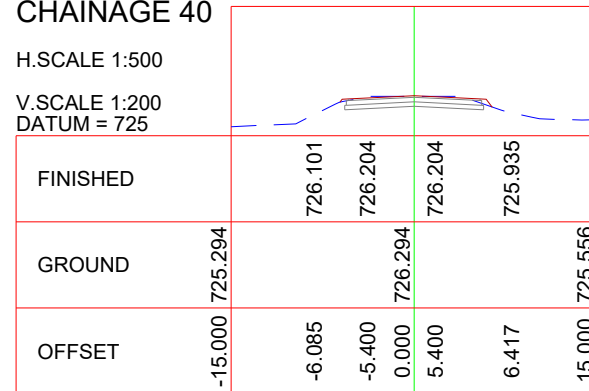
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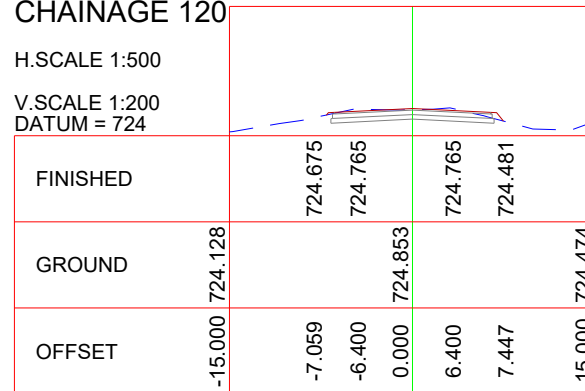
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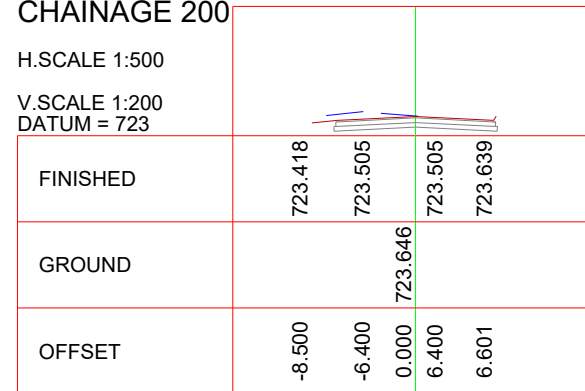
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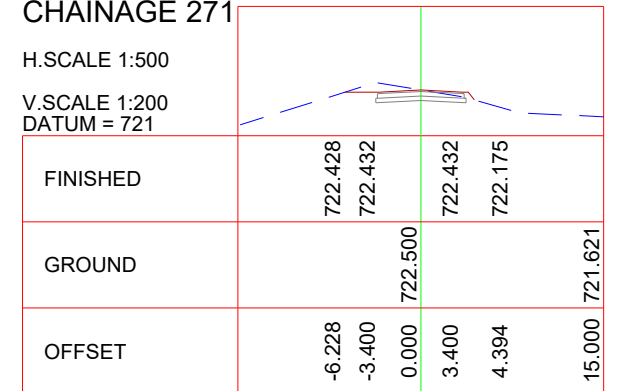
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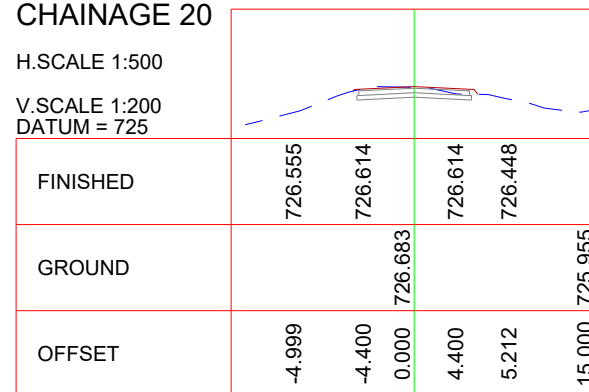
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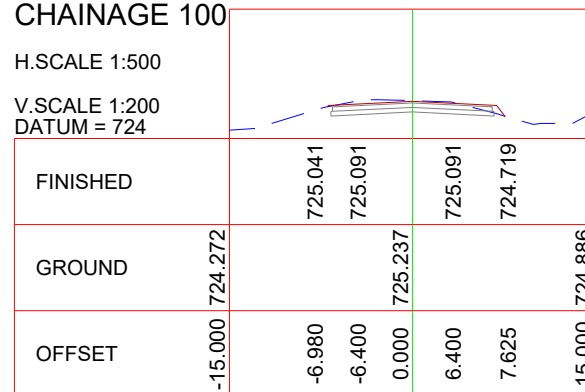
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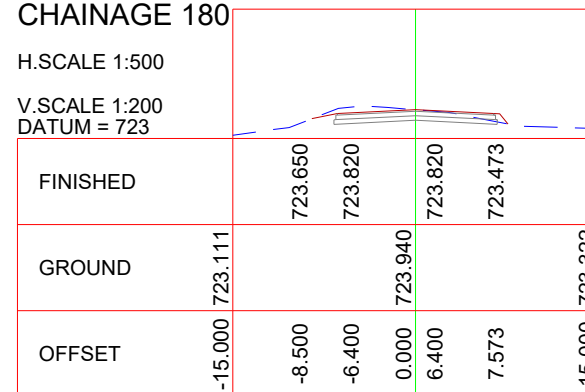
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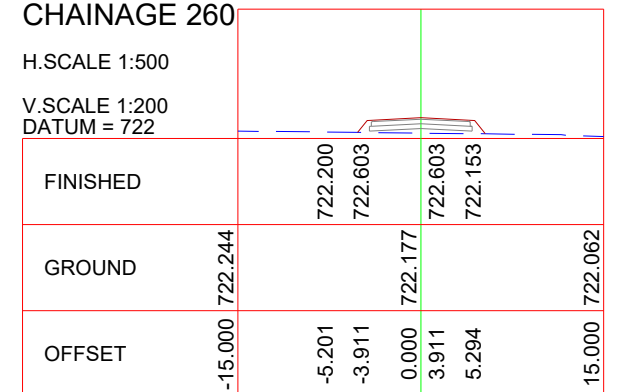
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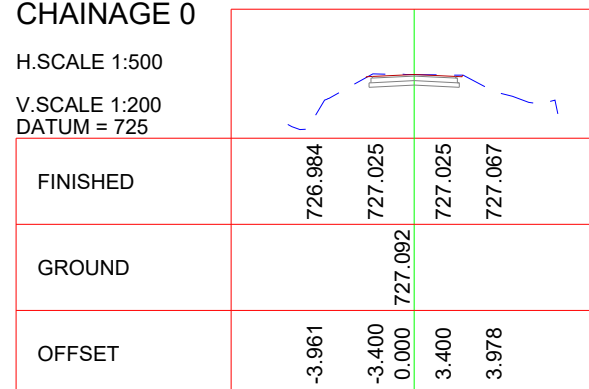
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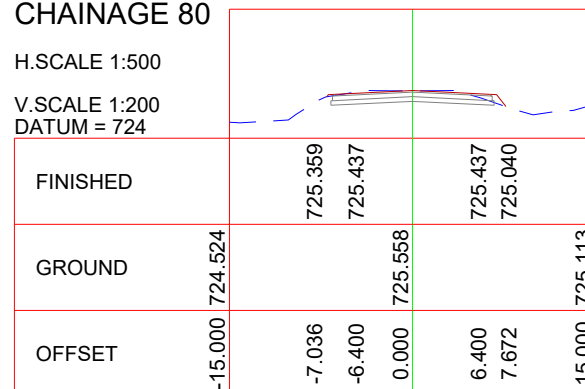
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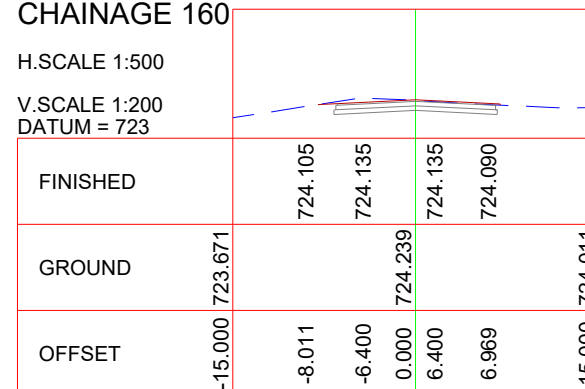
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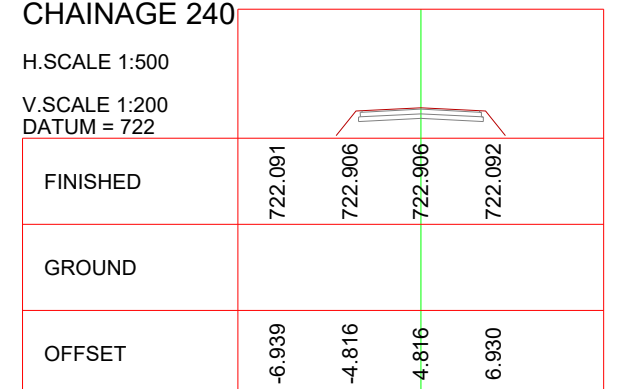
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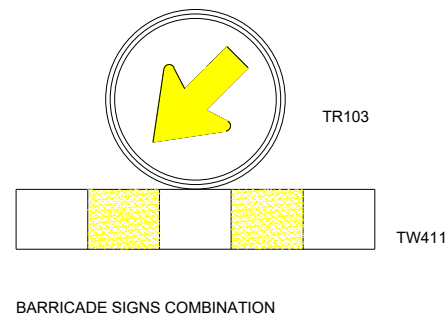
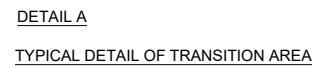
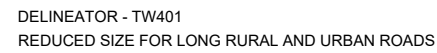
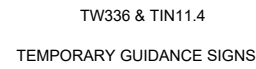
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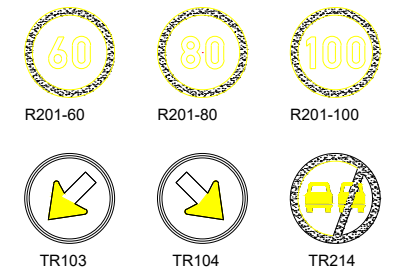
1. NEW INLET AND OUTLET STRUCTURES MAY ONLY BE CONSTRUCTED WHERE INSTRUCTED BY THE ENGINEER.
2. THE UPPER LEVEL OF THE FILL ALWAYS PASSES AT A POINT 50mm BELOW THE TOP OF THE HEAD WALL.
3. WHERE MORE THAN ONE CONCRETE PIPE CULVERT IS BUILT INTO THE SAME HEADWALL, THE SPACING BETWEEN THE CENTRE OF THE PIPES SHALL BE $ID+2t_w+450mm$.
4. WHERE THE TOP OF THE HEAD WALL IS LESS THAN 500mm BELOW THE SHOULDER BREAKPOINT, THE TOP OF THE WALL SHALL BE CONTRACTED AT THE SAME LONGITUDINAL GRADIENT AS THAT OF THE ROAD.
5. FOR SKEW PIPE CULVERTS THE HEADWALL SHALL BE PARALLEL TO THE CENTRE LINE OF THE ROAD.
6. PRECAST CONCRETE BLOCKS AND STONE PITCHING TO BE PROVIDED WHERE INSTRUCTED BY THE ENGINEER.
7. EXTENT OF PITCHING TO BE INSTRUCTED BY THE ENGINEER
8. ALL CONCRETE TO BE 20MPa.

1. ALL PIPES SHALL COMPLY WITH SABS 667-1986, "STANDARD SPECIFICATION FOR CONCRETE NON-PRESSURE PIPES", AND SHALL BE INSTALLED IN ACCORDANCE WITH SABS 0102-1987, "CODE OF PRACTICE FOR DESIGN AND INSTALLATION OF PRECAST CONCRETE PIPES."
2. JOINTS SHALL BE EITHER BE SPIGOT AND SOCKET WITH RUBBER RING, OGEE WITH RUBBER COLLAR OR MODIFIED OGEE WITH RUBBER RING SEAL.
3. IN SELECTING THE TYPE AND CLASS OF PIPE IT IS GENERALLY PREFERABLE TO USE THE STRONGER CLASS OF PIPE WITH A CLASS C BEDDING RATHER THAN THE LOWER STRENGTH PIPE WITH A CLASS A BEDDING.
4. CONSTRUCTION JOINTS IN CONCRETE CRADLE TO COINCIDE WITH PIPE JOINTS. ALL IN SITU CONCRETE SHALL BE 15MPa
5. THE MINIMUM COVER ON ANY PIPE CULVERT SHALL BE 600mm. IN EXCEPOTIONAL CASES PIPES MAY BE ENCASED IN CONCRETE AND THE COVER REDUCED TO 200mm.
6. PIPES TO BE LAID TO A MINIMUM GRADE OF 2%.
7. DISTANCES BETWEEN MULTIPLE PIPES SHALL BE THE GREATER OF THE FOLLOWING:
 - (a) 300mm
 - (b) 0.5 X OUTSIDE DIAMETER OF THE PIPE
8. BACKFILL AROUND PIPE CULVERTS TO BE CARRIED OUT IN LAYERS NOT EXCEEDING 150mm THICKNESS.
9. THE EXCAVATION WIDTH MAY BE REDUCED TO (D+200mm) MINIMUM WHEN SOLICRETE BACKFILL IS USED.
10. THE PERMISSIBLE MAXIMUM FILL SHALL BE IN ACCORDANCE TO TABLE 3.

MOT - 17

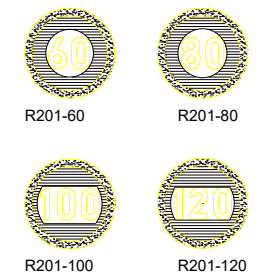


- COLOUR CODE : TEMPORARY R-& W SIGNS



TEMPORARY RULING SIGNS

- COLOUR CODE : PERMANENT R-& W SIGNS



STANDARD SIGNS AT DETOURS

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