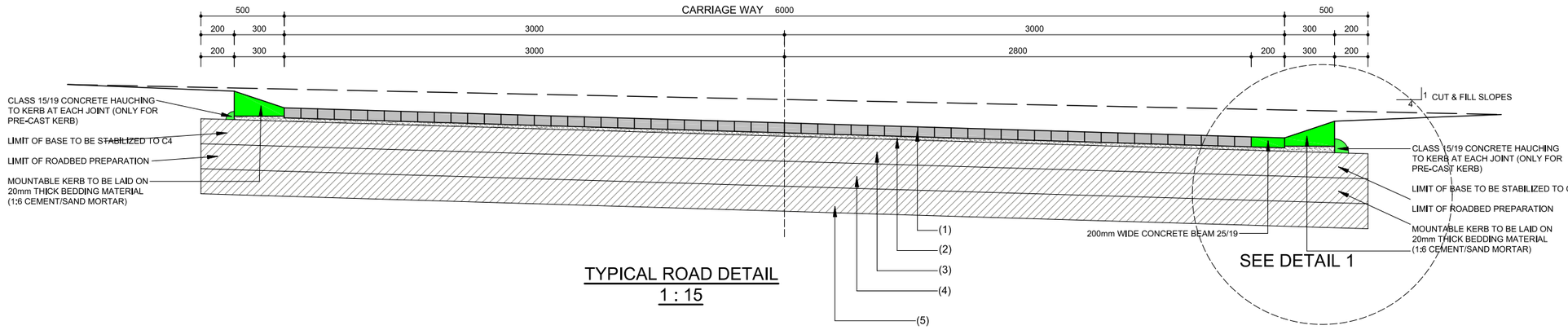
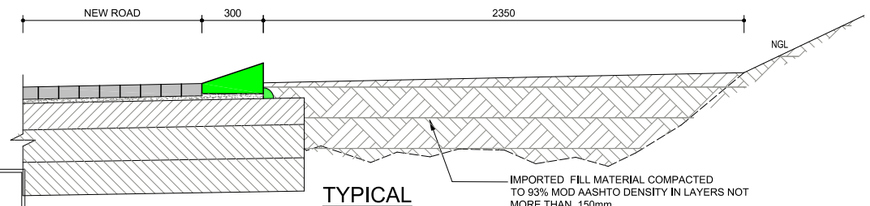
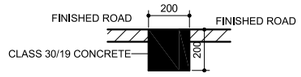


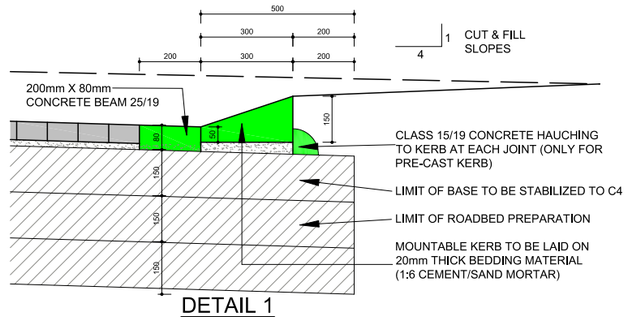
TYPICAL ROAD DETAIL
1 : 15



TYPICAL ADDITIONAL FILL SECTIONS
1:15



CONCRETE EDGE BEAM AT JUNCTION
1:15



DETAIL 1
1:10

1	SEGMENTED PAVING SHAPE S-A (G-BLOCK), CLASS 25,60mm THICK
2	RIVER SAND 20 / RIVER SAND IMPORTED FROM COMMERCIAL SOURCE
3	BASE 150mm BASE C4 COMPACTED TO 98%
4	SUB BASE 150mm COMPACTED TO 96%
5	ROADBED PREPARATION (REFER TO NOTES) VIBRATORY OR PAD FOOT ROOLING (NUMBER OF PASSES TO BE DETERMINED BY ENGINEER ON SITE) OR RIP SCARIFY & RECOMPACT 150/93% MOD AASTHO
6	SHOULDER WEARING COURSE CUT TO FILL FROM THE ROAD AT A CONSTANT GRADE FOR ACCOMMODATION OF TRAFFIC

LEGEND:

(A) REQUIREMENTS ARE GIVEN IN THE FOLLOWING ORDER
LAYER THINKNESS/ MATERIAL/ CBR &
MIN COMPACTION/MIN. GM/MAX. PI

(B) MIN. UNCONFINED COMPRESSIVE STRENGTH (UCS) IS SHOWN IN MPa

(C) MIN DENSITY IS GIVEN AS % OF MAX MODIFIED AASTHO DENSITY

(D) SG- STABILIZED GRAVEL
NG- NATURAL GRAVEL
IS- IN SITU SOIL
PI- PLASTICITY INDEX
GM- GRADING MODULES
SBP- SHOULDER BREAK POINT

(E) FIGURE 8A MOUNTABLE CONCRETE KERB (CLASS 25/13) EXTRUDED ON SUBBASE

200mm WIDE x 80mm THICK EDGE STRIP CAST IN ALTERNATIVE SECTION. THE EXPOSED END SHALL BE COATED WITH BITUMINOUS EMULSION BEFORE THE INTERMEDIATE SECTION IS CAST. 6mm JOINT WITH APPROVED JOINT FORMING MATERIAL AT 6m INTERVALS MAXIMUM.

NOTE:

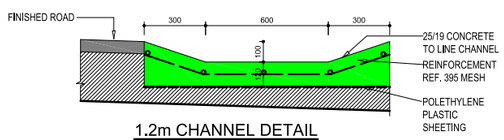
(1.) PRIOR TO THE UNDERTAKING OF ANY VIBRATORY OR PAD FOOT ROLLING WITH IN THE ROAD FOUNDATION, AN ON SITE TRIAL SECTION SHALL BE PREPARED AND CONDUCTION IN ORDER TO ASCERTAIN THE AVERAGE NUMBER OF m². PASSED REQUIRED IN ORDER TO OBTAIN THE SPECIFIED COMPACTION EFFORT FOR THE ROADBED PREPARATION.

(2.) THE ENGINEER SHALL THEN INSTRUCT THE CONTRACTOR TO REMOVE AND SPOIL THE TOPSOIL AND HILLWASH OVERBURN TO WEARING COURSE DEPTH OR FERRICRETE LEVEL, WHERE REQUIRED WHICHEVER IS THE SHALLOWEST.

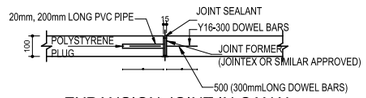
(3.) ALL FERRICRETE MATERIAL SHALL BE CUT TO TEMPORARY STOCKPILE AS DETERMINED BY THE ENGINEER FOR LATER USE IN THE PAVEMENT STRUCTURE AND WEARING COURSE LAYER WORKS

(4.) THE CONTRACTOR SHALL THEN APPLY THE NUMBER OF m². PASSES ORDERED BY THE ENGINEER, PERIODICALLY WATERING AND BLADING THE ROADBED FOUNDATION AREA TO ENSURE MAXIMUM WORKABILITY AND COMPACTION EFFICIENCY.

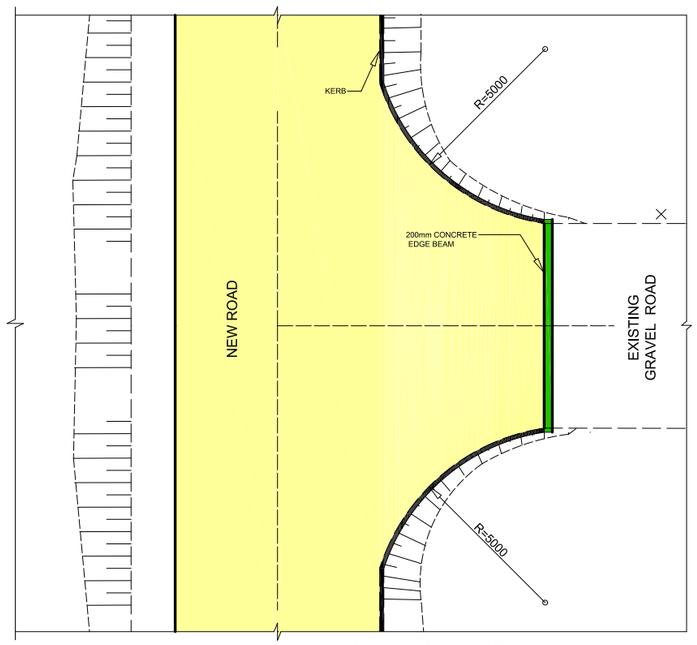
(5.) AFTER APPLYING THE WINDROW THE FERRICRETE PERRICRETE PINNACLES, RIP, SCARITY AND RECOMPACT ROADBED TO ABOVE SPECIFICATION WHERE REQUIRED



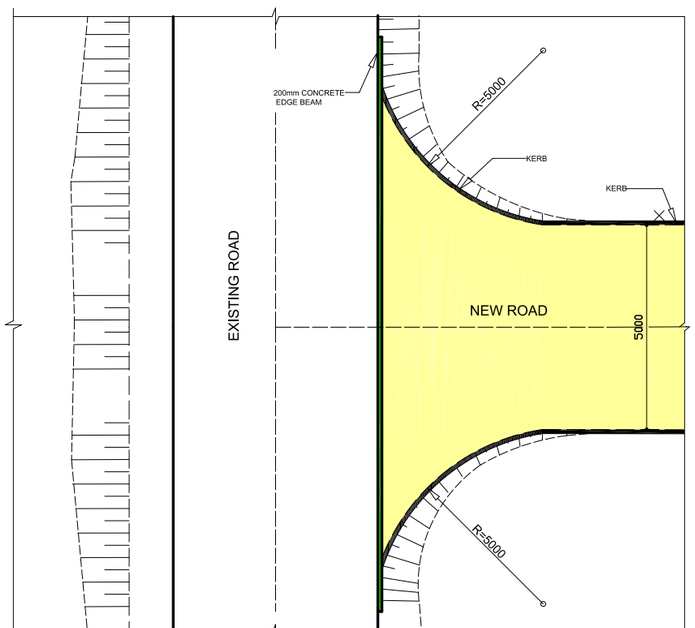
1.2m CHANNEL DETAIL
SCALE 1 :15



EXPANSION JOINT IN CANAL
SCALE 1 :15



BELLMOUTH DETAILS
1:75



JUNCTION DETAILS
1:75

embrace diversity

AMENDMENTS

No.	DATE	BY	DESCRIPTION

NOTES

REFERENCE DRAWINGS

PLAN Nr.	DESCRIPTION

NEP CONSULTING ENGINEERS
PR. ENG: P.F.ERNST
PR.NR: 740593

SIGNATURE: .....

PRINT ISSUED ON

SA, P.O. Box 2082
Klerksdorp 2570
T : +27 10 451 1005
E : info@nepgroup.co.za
Head Office situated between Klerksdorp and Wolmaransstad At Bona Bona

CONSULTING ENGINEERS
nepgroup.co.za RESULT DRIVEN

CLIENT
MAQUASSI HILLS LOCAL MUNICIPALITY

PROJECT
UPGRADING OF RULAGANYANG, BOITEKO & TLHABOLOGANG STREETS FROM GRAVEL TO BLOCK PAVING IN TSWELELANG

IMPLEMENTING AGENT:
MAQUASSI HILLS LOCAL MUNICIPALITY

DRAWING TITLE
TYPICAL ROADS DETAILS

DESIGN	DATE	DRAWN	DATE
PM	7-2022	PM	7-2022
SURVEYED	DATE	CHECKED	DATE
	7-2022	PF. ERENST	7-2022

SCALE as shown

DRAWING No.
NW404/12/53/8

AMENDMENT No.

New Sheet

V:\NW\DC40 - DR KENETH KAUNDA\NW404 MAQUASSI HILLS\2022\Upgrading of Rulaganyang, Boiteko and Tlhabologang Street from\E - TENDER DRAWINGS\TENDER\NW 404-2240-R,ST-16-17-10w1 Road Details.dwg