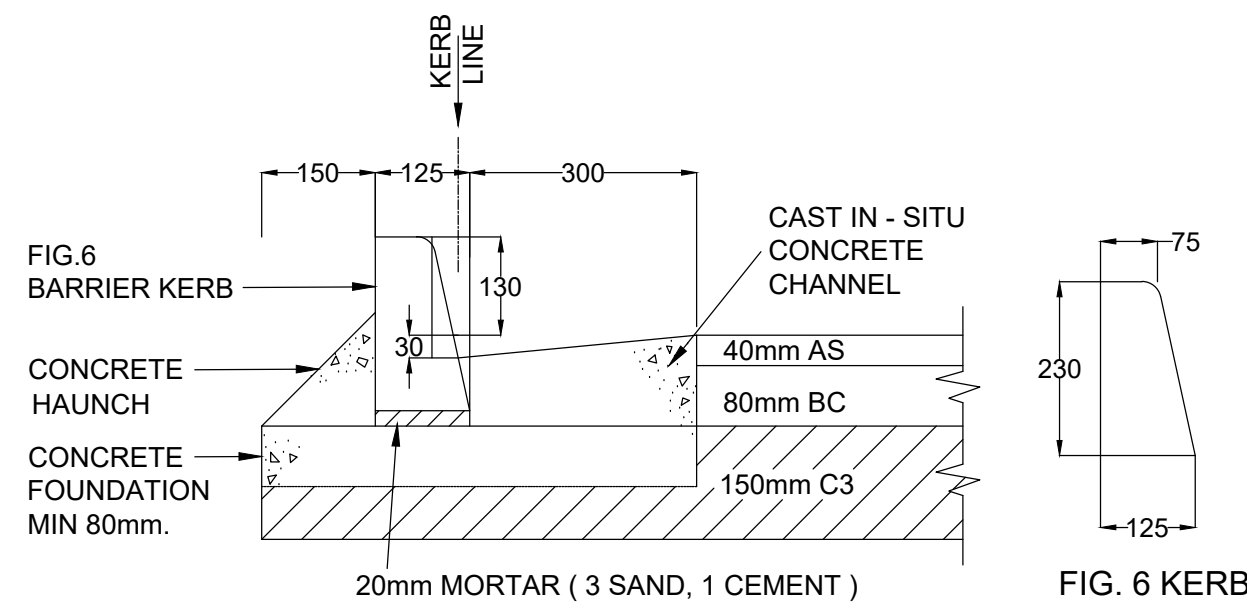
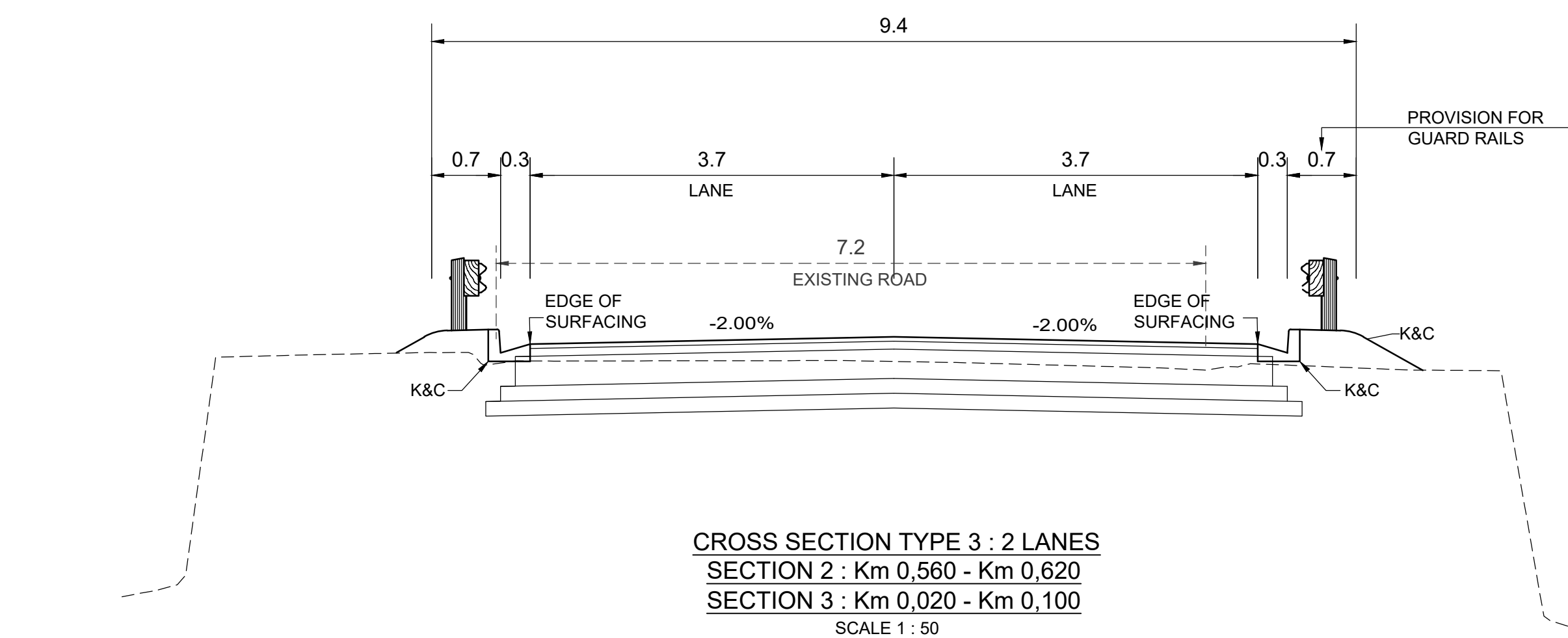


SUBSOIL DRAIN WITH SYNTHETIC FIBRE FILTER FABRIC  
NOT TO SCALE

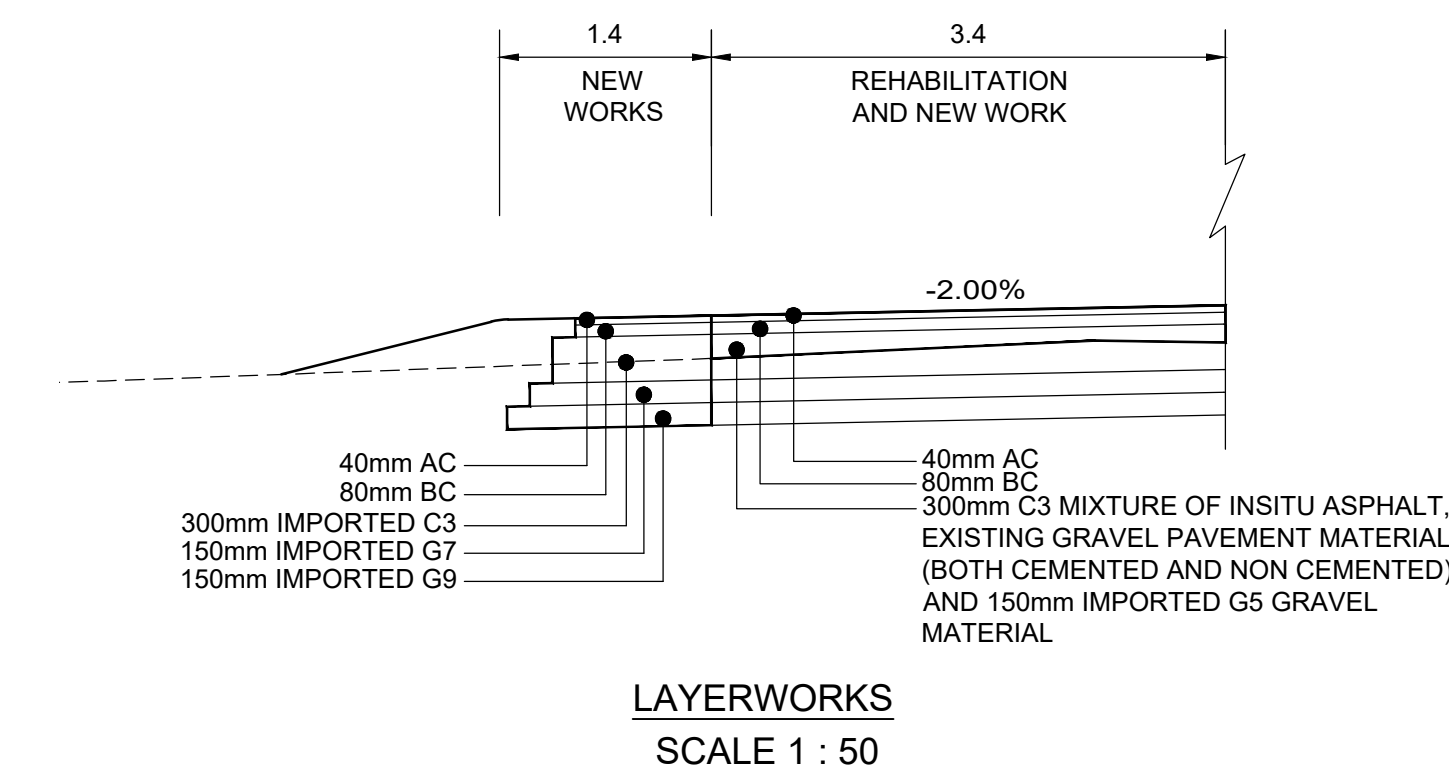
No	DESCRIPTION
①	FILTER SAND OF APPROVED SOURCE AND GRADE.
②	FILTER STONE: FINE OR COARSE GRADE AS REQUIRED.
③	PERFORATED / SLOTTED SUBSOIL DRAINAGE PIPES. (POSITION OF PERFORATIONS INDICATED).
④	SYNTHETIC FIBRE FILTER FABRIC WITH 200mm OVERLAP (GRADE 2 OR APPROVED EQUIVALENT).
⑤	INTERNAL PIPE DIAMETER: 110mm OR 150mm.



BARRIER KERB WITH CAST IN SITU CHANNEL / FILLET  
SCALE:- 1 : 10

- NOTES: KERB AND CHANNEL
- ALL CAST IN SITU CONCRETE IS TO BE GRADE 20 / 19.
  - THE SURFACES OF THE CAST IN SITU CHANNEL / FILLET ARE TO HAVE A STEEL FLOAT FINISH
  - EXPANSION JOINTS TO BE FORMED THROUGH THE KERBING, CHANNEL / FILLET AND FOUNDATIONS AT INTERVALS NOT EXCEEDING 18.0m.
  - CONTRACTION JOINTS TO BE FORMED THROUGH THE CHANNEL / FILLET AT 20m INTERVALS.
  - WHERE KERB RADIUS IS LESS THAN 25m THE KERB LENGTH SHALL BE 300mm.WHERE THE KERB RADIUS IS LESS THAN 2m. THE KERBING SHALL BE CAST IN SITU.
  - PRECAST KERBS ARE TO BE LAID WITH A 13mm GAP BETWEEN KERBS, WHICH SHALL THEN BE FILLED WITH A CEMENT MORTAR.
  - CONCRETE HAUNCH TO BE LAID ALONG THE LENGTH OF THE ENTIRE KERB.

BARRIER KERB WITH CAST IN SITU CHANNEL / FILLET  
SCALE: 1 : 10.000



- NOTES:
- SETTING OUT  
1.1 ALL SETTING OUT DATA LEVELS AND DIMENSIONS SHALL BE PROVIDED IN ELECTRONIC FORMAT AND VERIFIED BY CONTRACT ON SITE PRIOR OF CONSTRUCTION.  
1.2 ALL SURVEY AND SETTING OUT DATA SHALL BE PROVIDED ON WGS 84 (Lo27) CO-ORDINATE SYSTEM.  
1.3 NO DIMENSIONS SHALL BE SCALED ON SITE.
  - DESIGN STANDARD  
2.1 ALL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH THE COLTO SPECIFICATION FOR ROADS AND BRIDGE WORK FOR STATE ROAD AUTHORITIES.
  - DRAINAGE  
3.1 ALL PIPE CULVERTS SHALL BE CHECKED BY ACCURATE FIELD SURVEY AND THE DESIGN CONFIRMED ON SITE BEFORE CONSTRUCTION.  
3.3 FOR ALL TYPICAL DRAWINGS DETAILS REFER TO DRAWING No. XEL010-6001-00 / 190001-T-3301
  - GUARDRAILS  
4.1 GUARDRAILS TO BE ERECTED AS SHOWN ON THE DRAWINGS OR AS DIRECTED BY THE ENGINEER.
  - SERVICES  
5.1 EXISTING SERVICE TO BE IDENTIFIED AND PROTECTED OR RELOCATED PRIOR TO CONSTRUCTION OF THE ROAD WORKS.

LEGEND	
	NEW V-DRAINS
	NEW STORMWATER PIPE
	NEW HEADWALL
	NEW GRID INLET
	KERB & CHANNEL

## FOR TENDER

09	ISSUED FOR TENDER PACK	2020-09-18
No.	DESCRIPTION / REVISIONS	DATE



PROJECT / AREA / ASSET / SUBJECT

## PORT OF EAST LONDON

DRAWING TITLE  
**TYPICAL CROSS SECTIONS, KERB AND CHANNEL DETAILS & SUBSOIL DRAIN DETAILS**

DATE	2020-09-18	NH - PROJECT MANAGER MRS. B. NTHENBU 09/10/2020
SCALE	AS SHOWN	SIGNATURE DATE
DESIGNED BY	BM	NH - SENIOR ENGINEER MR. S. NKABINDE PR.2018300028 09/10/2020
CHECKED BY	SN	SIGNATURE DATE
DRAWN BY	BM	NH - PORT ENGINEER MR. A. SINGAMA 09/10/2020
CHECKED BY	SN	SIGNATURE DATE

PAPER SIZE	TRANSNET DRW. NO.	SHEET	REV.
A1	XEL010-6001-00		
CONSULTANT / CONTRACTOR DRW. NO.			
1900001-T-3301			