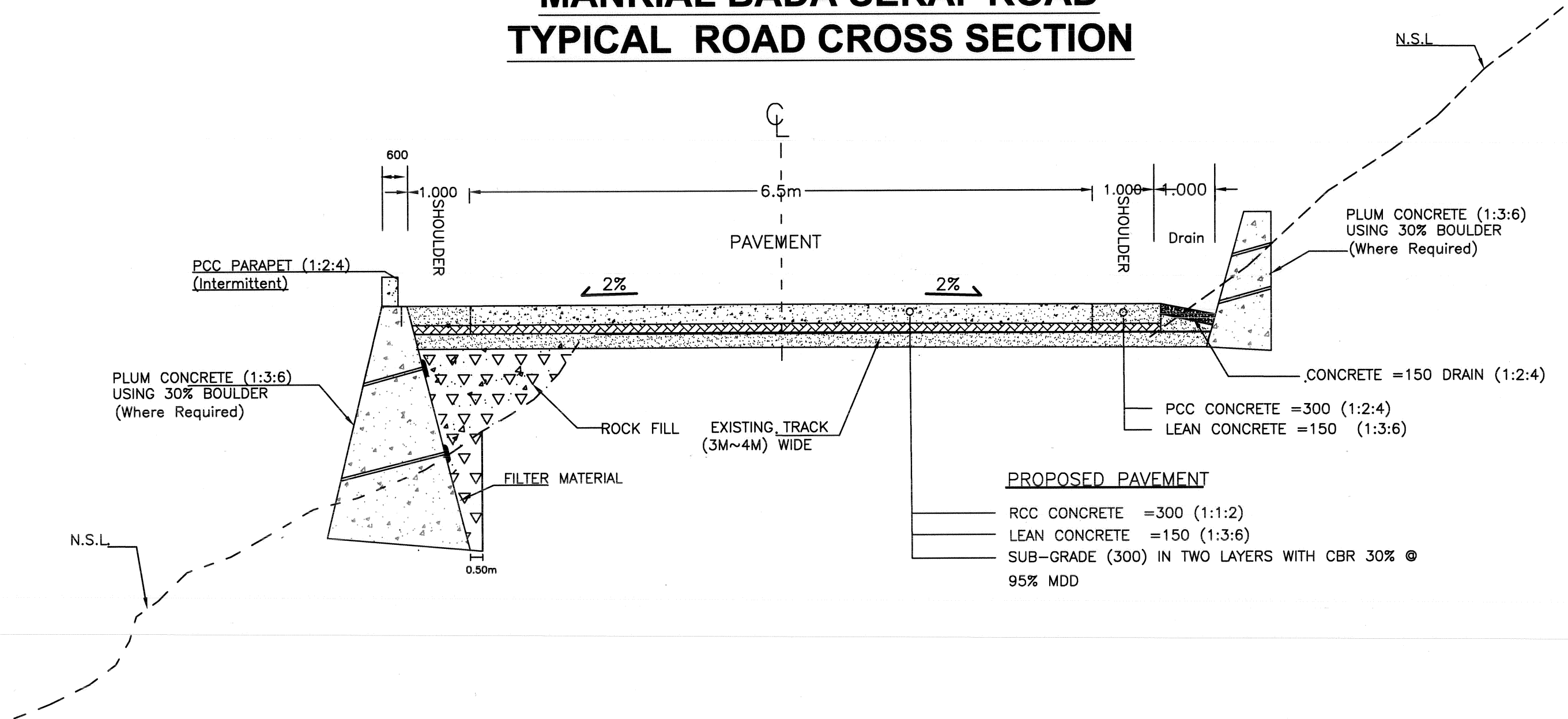


MANKIAL BADA SERAI ROAD TYPICAL ROAD CROSS SECTION



PROPOSED PAVEMENT

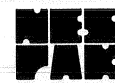
- RCC CONCRETE = 300 (1:1:2)
- LEAN CONCRETE = 150 (1:3:6)
- SUB-GRADE (300) IN TWO LAYERS WITH CBR 30% @ 95% MDD

NOTE:-

- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
- EXISTING GRADIENT IS FOLLOWED MAJORLY, HOWEVER HIGH GRADIENTS ARE REDUCED UPTO 15% WITH RE-ALIGNMENT.
- MINOR GEOMETRY MAY IMPROVE WHERE POSSIBLE.
- ALL DIMENSION ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.



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DEVELOPMENT PROJECT
C&W DEPARTMENT, KP



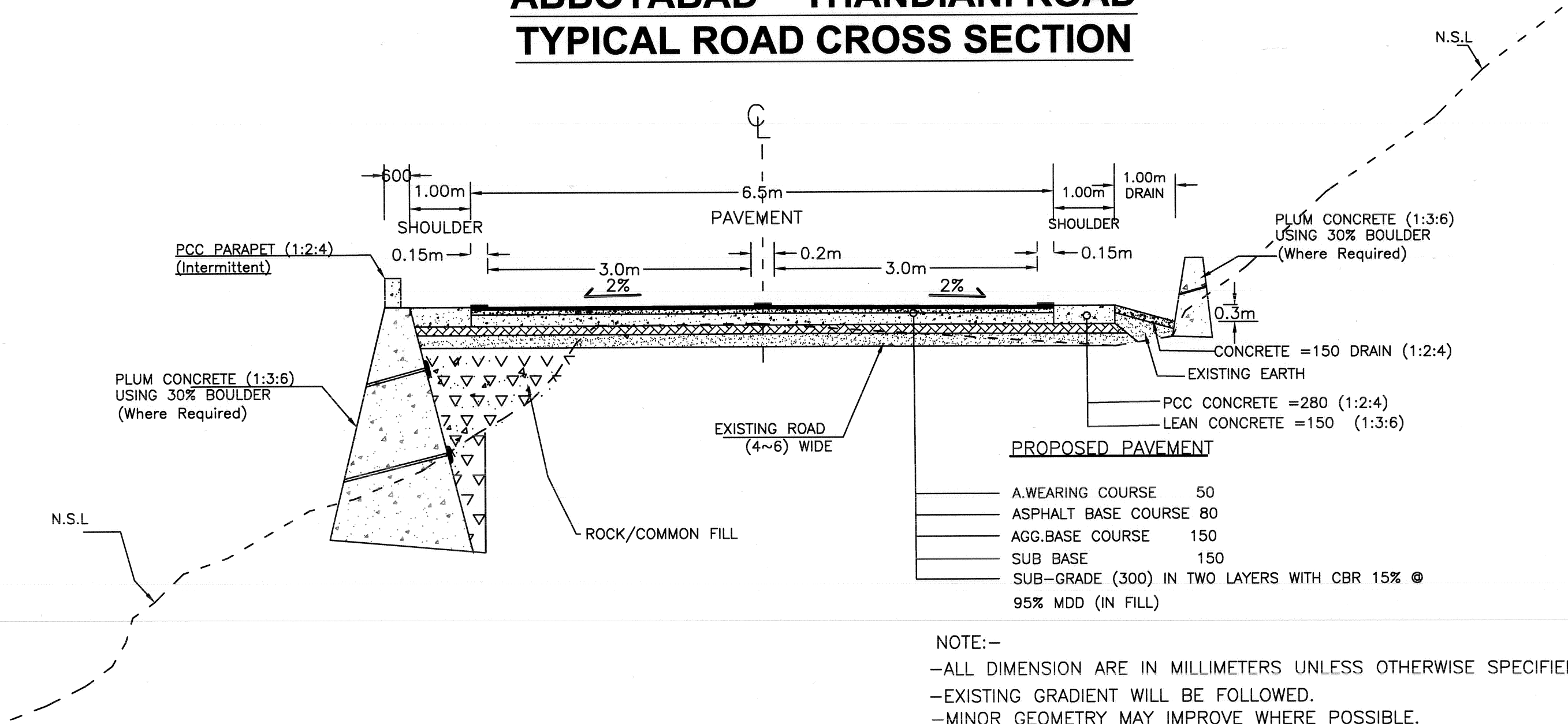
NATIONAL ENGINEERING SERVICES
PAKISTAN (PVT.) LTD.

REV.	DATE	DESCRIPTION	APPROVED	APPROVED

PROJECT:
CONSTRUCTION OF
MANKIAL BADA SERAI ROAD
PROJECT (23 Km)

TITLE	
TYPICAL ROAD CROSS SECTION	
DATE	DWG NO.
OCTOBER, 2020	38164/102/TD/ TS001

ABBOTABAD ~ THANDIANI ROAD TYPICAL ROAD CROSS SECTION

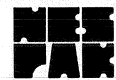


CONSTRUCTION METHODOLOGY:

- 1- ACHIEVE WIDENING AS PER TYPICAL CROSS SECTION.
- 2- REMOVE THE BITUMINOUS LAYER OF EXISTING ROAD IN FULL WIDTH AND COMPACT UNDERLYING PAVEMENT LAYER AS PER AASHTO 95% MDD.
- 3- PREPARE HILL SIDE UPTO SUBGRADE AS PER COMPACTION AASHTO 95% MDD.
- 4- PREPARE VALLEY SIDE UPTO SUBGRADE SUBJECT TO SUITABILITY OF EXISTING SHOULDER MATERIAL.
- 5- LAY SUBBASE, AGGREGATE BASE IN HALF WIDTH DULY COMPACTED AS PER SPECIFICATIONS (TRAFFIC MAY PLY IN OTHER HALF PORTION).
- 6- RAISE THE EXISTING RETAINING WALLS ON VALLEY SIDE UPTO FINISHED ROAD LEVEL SIMULTANEOUSLY TO STEP -5 AND CONSTRUCT PCC PARAPET.
- 7- LAY ASPHALTIC BASE COURSE AND ASPHALT WEARING COURSE IN HALF WIDTH ALONG WITH CONSTRUCTION OF PCC SHOULDERS.



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INTEGRATED TOURISM
AND ENTERPRISE
DEVELOPMENT PROJECT
C&W DEPARTMENT, KP



NATIONAL ENGINEERING SERVICES
PAKISTAN (PVT.) LTD.

01	22-9-20										
REV.	DATE	DESCRIPTION	APPROVED	APPROVED							

PROJECT:
REHABILITATION AND UPGRADING
OF THANDIANI ROAD IN DISTRICT
ABBOTTABAD - 24.00KM

TITLE TYPICAL ROAD CROSS SECTION	
DATE AUGUST, 2020	DWG NO. 38164/102/TD/ TS002