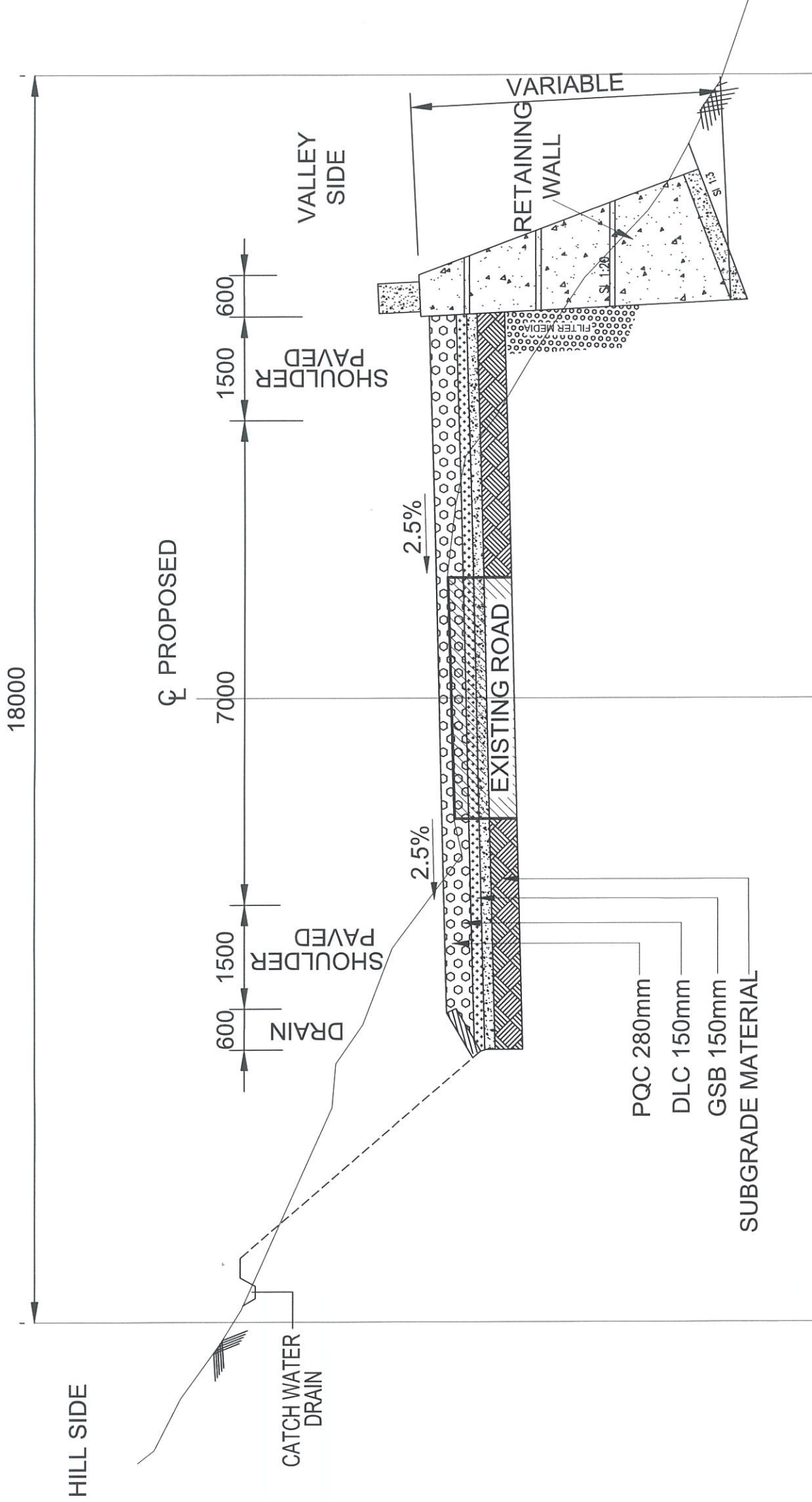




S.D. Potdar
S. D. POTDAR
DGM (TECH) & PO
NHAI, PIU-DHARWAD

TCS 1

Two Lane With Paved Shoulder Both side Widening (Hill Section with Retaining Wall)

NOTES :-
1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE INDICATED.
2. TENDER PURPOSE ONLY NOT FOR CONSTRUCTION.

DESIGN CONSULTANTS:


ARTEFACT PROJECTS LTD.
Address: Artefact tower*, 53/3, Chhatrapatti Square,
Wardha Road, nagpur - 440015
Maharashtra, India

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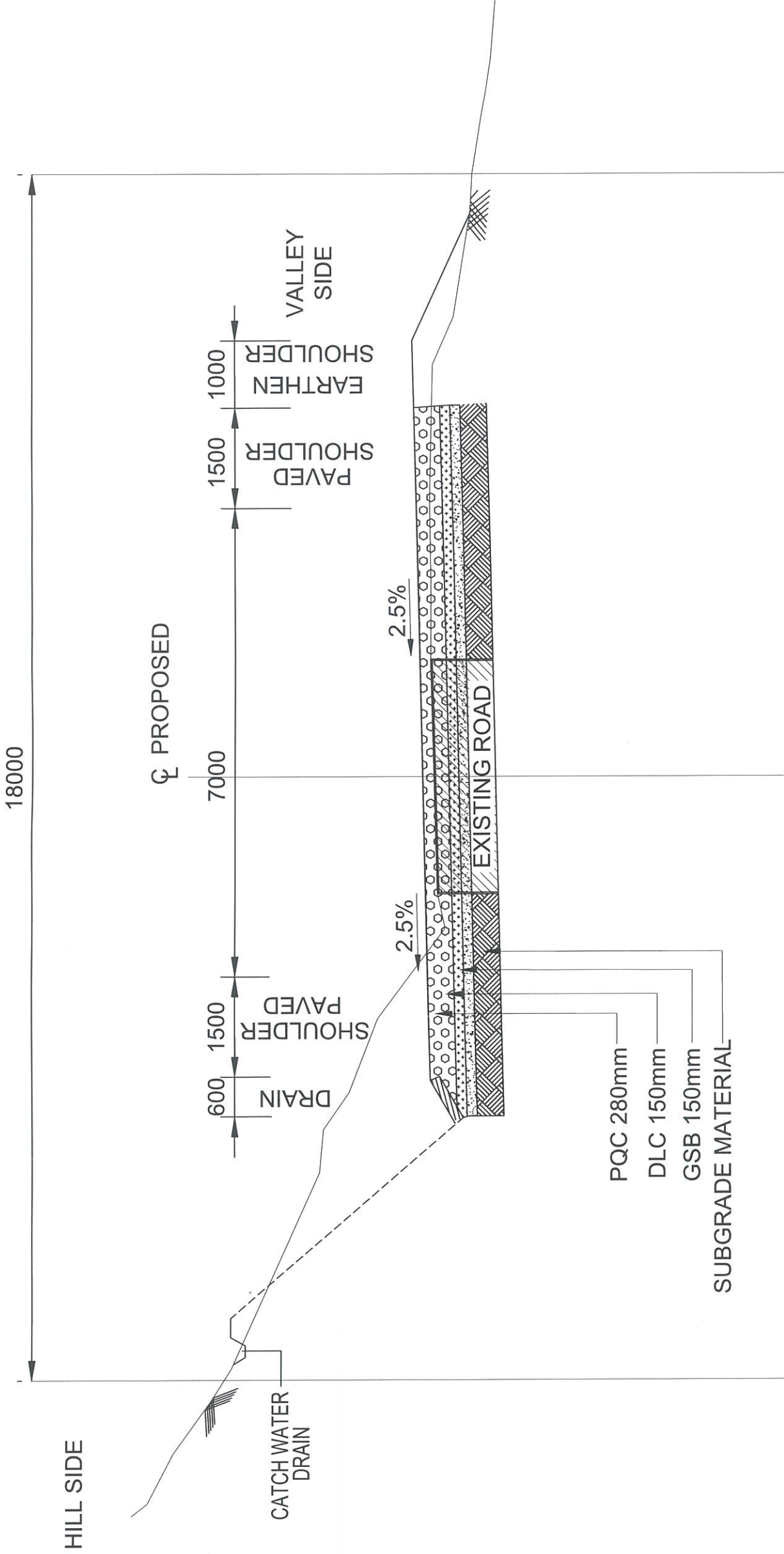
DRAWN BY: MSB
DESIGNED BY: PRODYOT SEN
CHECKED BY: PRODYOT SEN
APPROVED BY: P.C. GUPTA
DATE: MARCH, 2018

CLIENT: NATIONAL HIGHWAYS AUTHORITY OF INDIA
PROJECT: Consultancy Services for preparation of Feasibility Study/Detailed Project Report of Belekeri/Kumta - Sirai section for upgradation to 2/4 Lane NH connectivity under Sagarmala Scheme - Package No. NHAI/PC/SN/04 (Total Length 60 Km)
TITLE: TYPICAL CROSS SECTION -1
SCALE: 1:100 [On A-2]
SHEET NO. 01 TO 07



Two Lane With Paved Shoulder Both side Widening (Hill Section with Both Side Retaining Wall)

DESIGN CONSULTANTS:  ARTEFACT PROJECTS LTD. Address: Artefact tower", 53/3, Chhatrapatti Square, Wardha Road, nagpur - 440015 Maharashtra, India	NOTES :- 1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE INDICATED. 2. TENDER PURPOSE ONLY NOT FOR CONSTRUCTION.	THIS DRAWING IS THE PROPERTY OF ARTEFACT PROJECT LTD. IT IS SUBJECT TO THEIR RECALL AND MUST NOT BE LOANED OR COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION FOR ANY PURPOSE OTHER THAN, FOR WHICH IT IS ISSUED.	MSB	CLIENT : <u>Mahat</u>	NATIONAL HIGHWAYS AUTHORITY OF INDIA PROJECT:- Consultancy Services for preparation of Feasibility Study/Detailed Project Report of Belekeri/Kumta - Sirai section for upgradation to 2/4 Lane NH connectivity under Sagarmala Scheme - Package No. NH4/PC/SM/04 (Total Length 60 Km) TITLE : TYPICAL CROSS SECTION -1A REV. 0	
			DRAWN	JOB NO.		PRODYOT SEN
			DESIGNED			PRODYOT SEN
			CHECKED			PRODYOT SEN
			APPROVED			P.C. GUPTA
DATE	MARCH, 2018	SCALE : 1:100 [on A-2]	DWG. NO. 49/RH/PTFR/TCS-02	SHEET NO. 02 OF 07		



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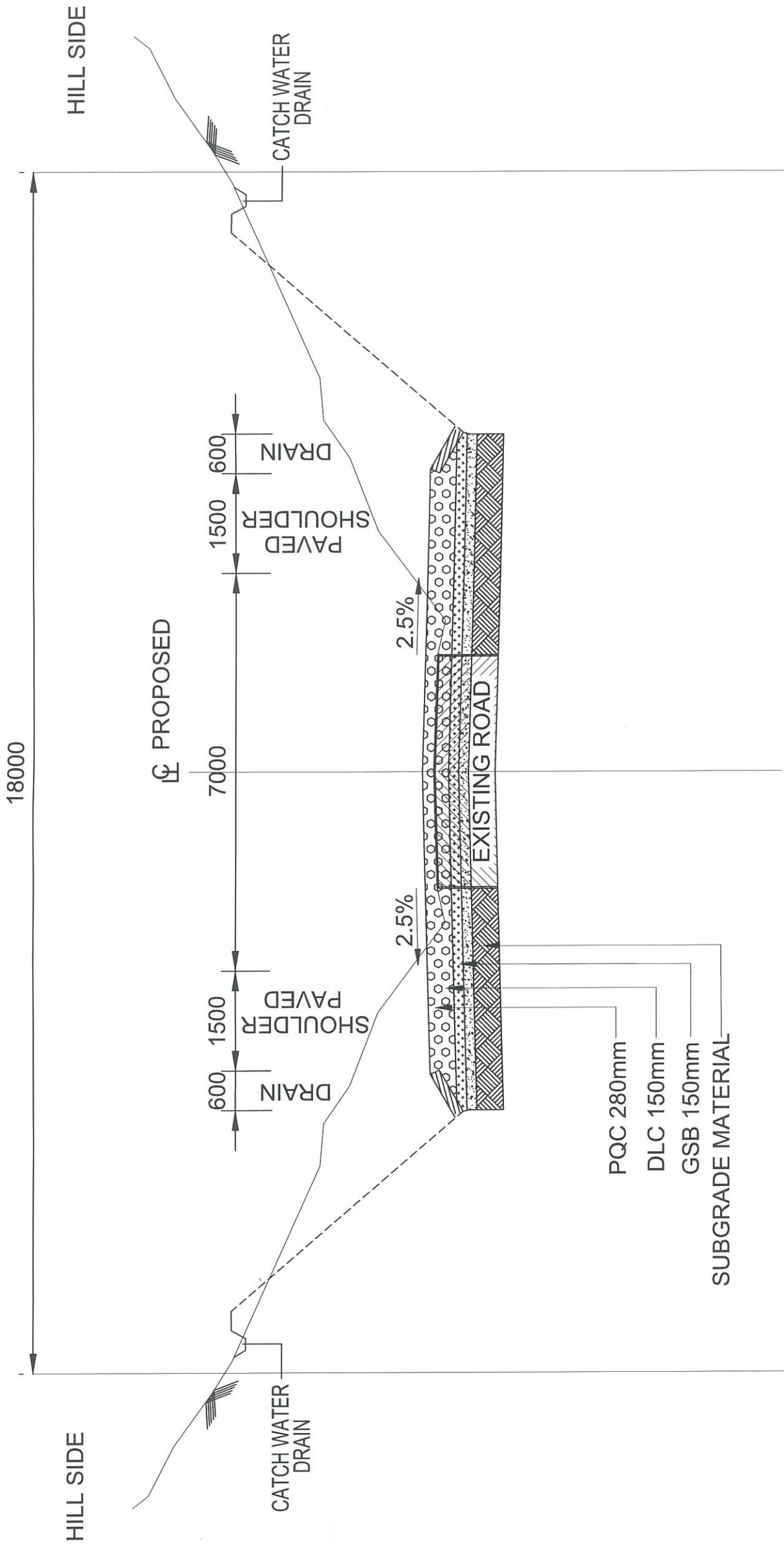
TCS 2
Two Lane With Paved Shoulder Both side Widening (Hill Section without Retaining Wall)

NOTES :-
1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE INDICATED.
2. TENDER PURPOSE ONLY NOT FOR CONSTRUCTION.

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	DESIGNED	PRODYOT SEN		JOB NO.	
	CHECKED	PRODYOT SEN			
	APPROVED	P.C. GUPTA			
DATE					TITLE : TYPICAL CROSS SECTION -2
MARCH, 2018					REV. 0
SCALE : 1:100 [On A-2]					DRG. NO. AP/RH/FRF/TCS-03
					SHEET NO. 03 TO 07



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TCS 3

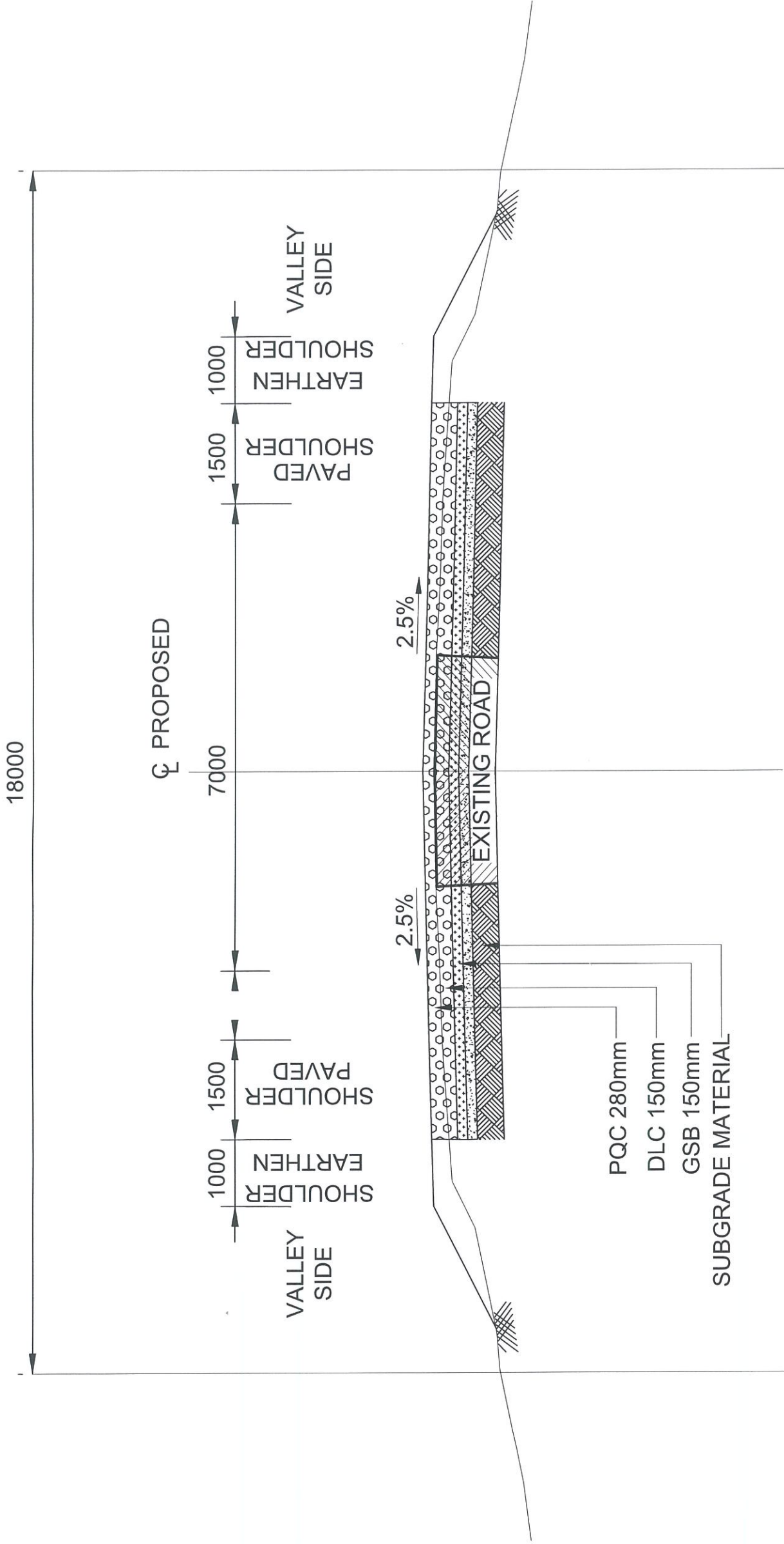
Two Lane With Paved Shoulder Both side Widening (Hill Section Both side Hill)

NOTES :-
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DESIGNED	PRODYOT SEN	JOB NO.	PROJECT:-	Consultancy Services for preparation of Feasibility Study/Detailed Project Report of Beleker/Kumta - Sirsi section for upgradation to 2/4 Lane NH connectivity under Sagarmala Scheme - Package No. NHA/PC/SM/04 (Total Length 60 Km)
CHECKED	PRODYOT SEN			
APPROVED	P.C. GUPTA	TITLE : TYPICAL CROSS SECTION -3		
DATE	MARCH, 2018	SCALE : 1:100 [On A-2]		
		DRG. NO. AP/RH/FR/TCS-04		
		REV. 0		
		SHEET NO. 04 TO 07		



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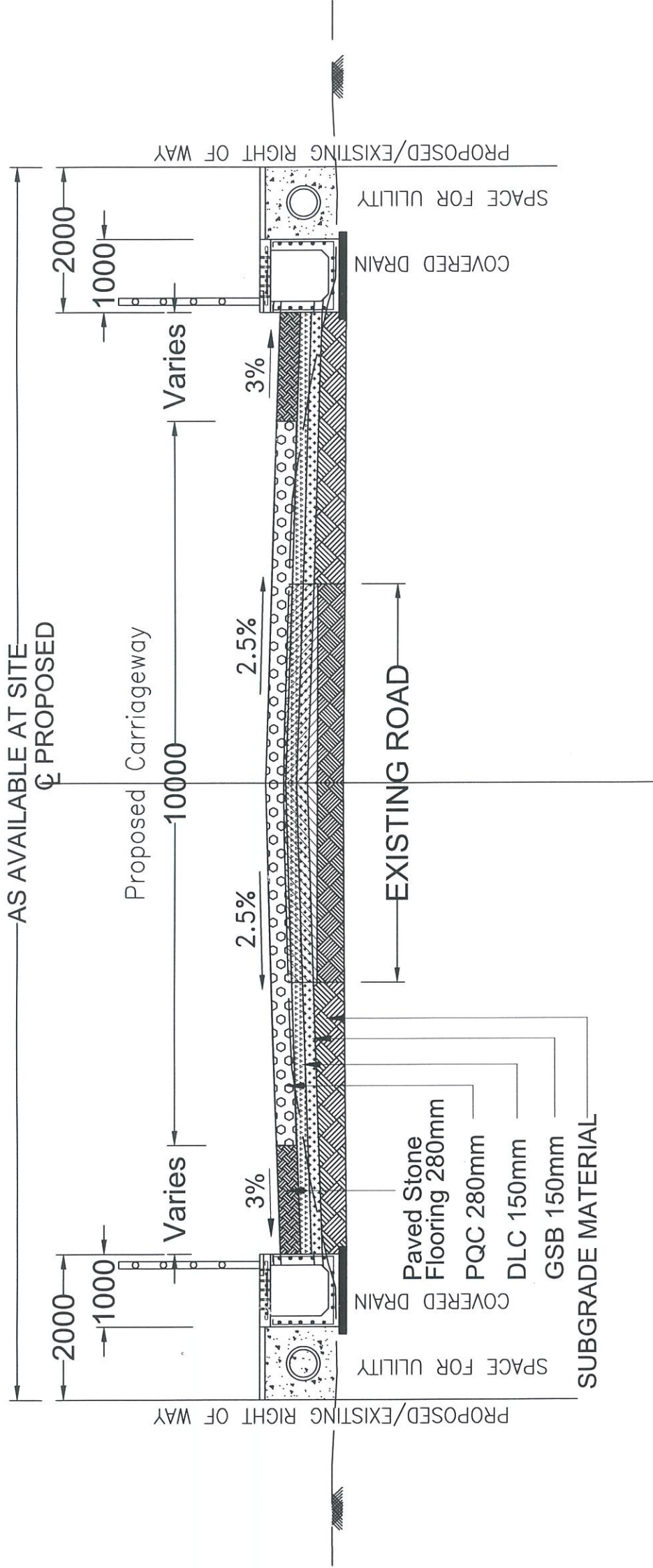
TCS 4
Two Lane With Paved Shoulder Both side Widening (Hill Section Both side Velley)

NOTES :-
1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE INDICATED.
2. TENDER PURPOSE ONLY NOT FOR CONSTRUCTION.

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	DESIGNED	PRODYOT SEN	JOB NO.	PROJECT:- Consultancy Services for preparation of Feasibility Study/Detailed Project Report of Belekeri/Kumta - Sirai section for upgradation to 2/4 Lane NH connectivity under Sagarmala Scheme - Package No. NHAI/PC/SN/04 (Total Length 60 Km)
	CHECKED	PRODYOT SEN		
	APPROVED	P.C. GUPTA	TITLE : TYPICAL CROSS SECTION - 4	REV. 0
	DATE	MARCH, 2018	SCALE : 1:100 [in A-2]	SHEET NO. 05 TO 07

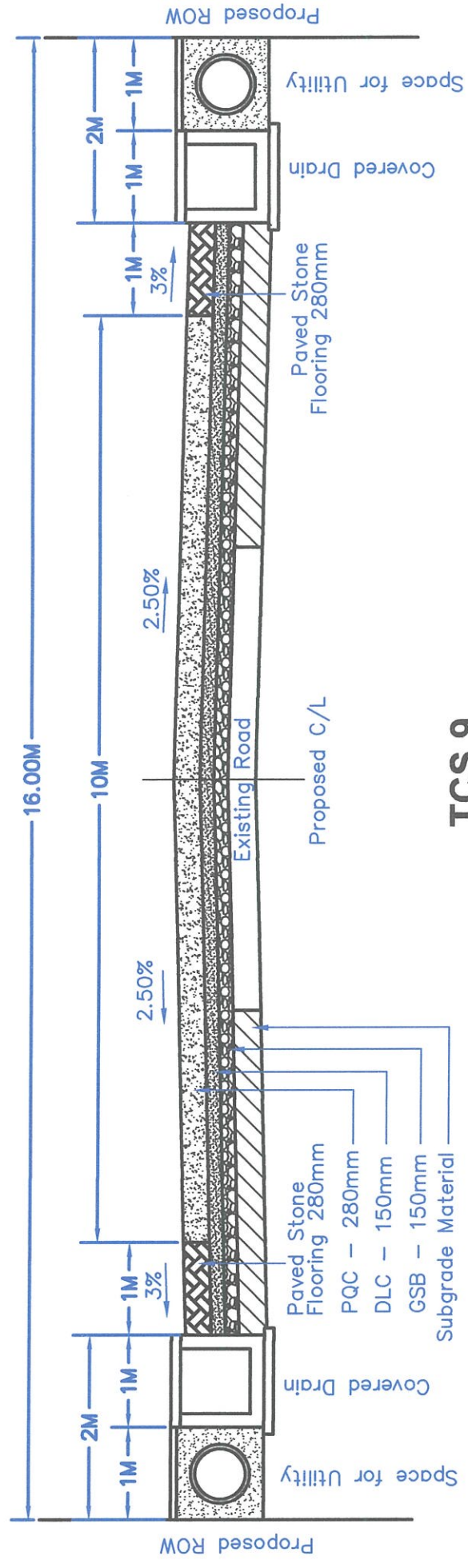


TCS 6

Two Lane with Paved Shoulder Both side Widening in Builtup Area

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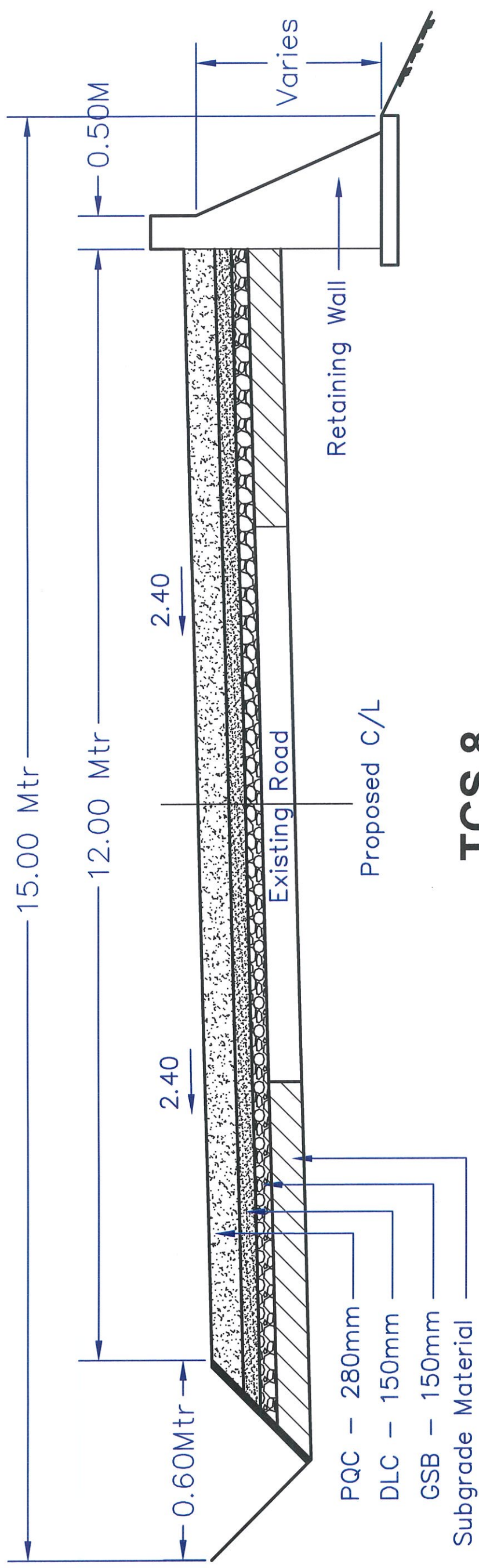
NOTES :- 1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE INDICATED. 2. TENDER PURPOSE ONLY NOT FOR CONSTRUCTION.	DESIGN CONSULTANTS:  ARTEFACT PROJECTS LTD. Address: Artefact tower, 53/3, Chhatrapatti Square, Wardha Road, nagpur - 440015 Maharashtra, India	THIS DRAWING IS THE SOLE PROPERTY OF ARTEFACT PROJECT LTD. IT IS SUBJECT TO THEIR RECALL AND MUST NOT BE REPRODUCED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION NOR USED FOR ANY PURPOSE OTHER THAN, FOR WHICH IT IS ISSUED.	DRAWN	MSB	<i>Mahant</i>	CLIENT : NATIONAL HIGHWAYS AUTHORITY OF INDIA	
			DESIGNED	PRODYOT SEN	<i>JS</i>		PROJECT:- Consultancy Services for preparation of Feasibility Study/Detailed Project Report of Belekeri/Kurita - Sirai section for upgradation to 2/4 Lane NH connectivity under Sagarmala Scheme - Package No. NHA/PC/SN/04 (Total Length 60 Km)
			CHECKED	PRODYOT SEN	<i>JS</i>		
			APPROVED	P.C. GUPTA	<i>PC</i>		
			DATE	MARCH, 2018			
			TITLE : TYPICAL CROSS SECTION - 6			REV. 0	
			SCALE : 1:100 [In A-2]			DRG. NO. AP/RH/RR/TCS-07	SHEET NO. 07 TO 07



TCS 9

Two lane with Paved Shoulder Both side Widening in Builtup Area (16.00 mtr PROW)

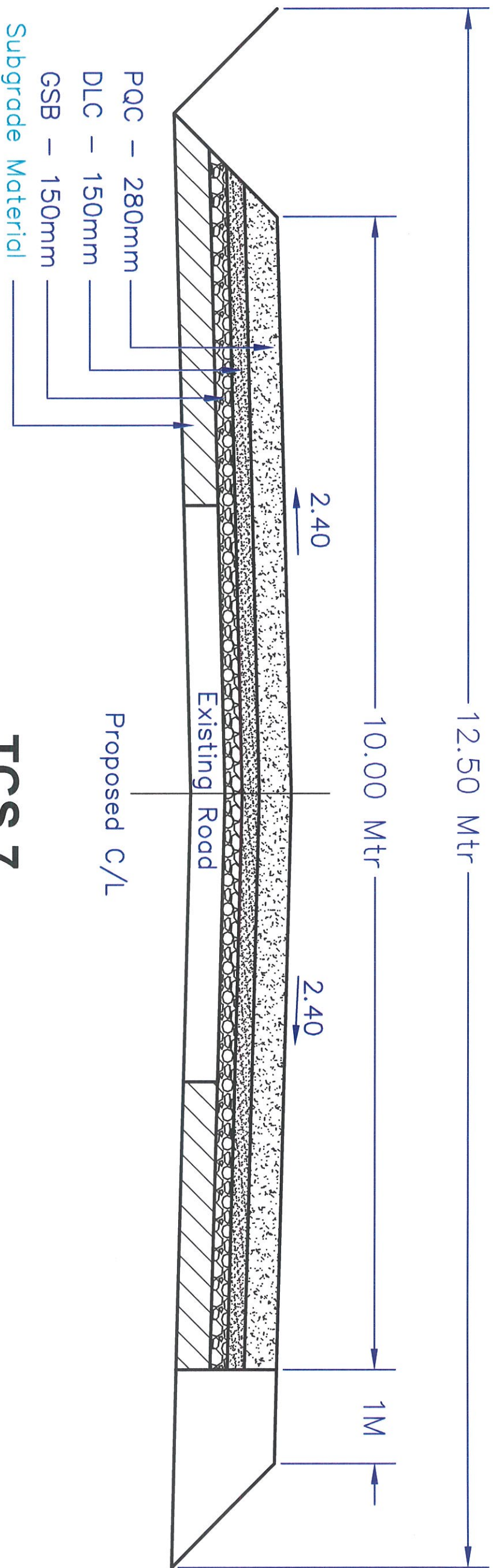
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TCS 8

Two lane Extra Widening on sharp curve at Ghat Section (15.0 mtr PROW)

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 NHAI, PULDHARWAD



TCS 7

Two lane Widening at Ghat Section (12.50 mtr PROW)

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DGM (TECH) & PD
NHAI, PU-BHARWAD