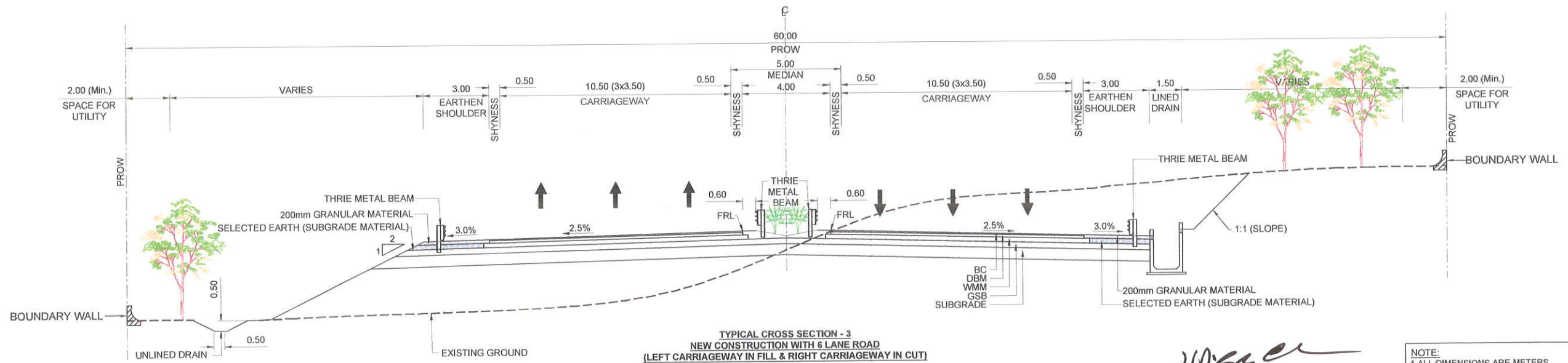
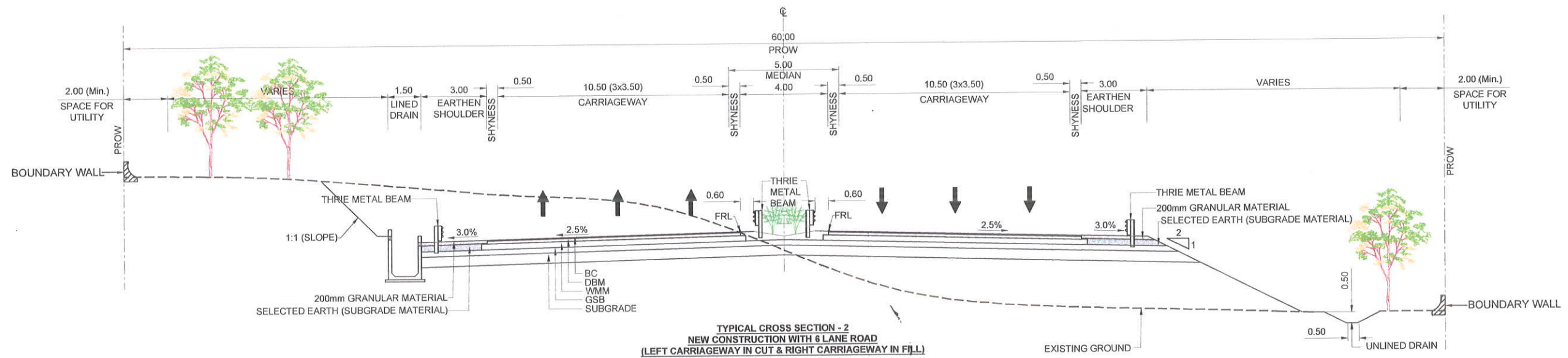
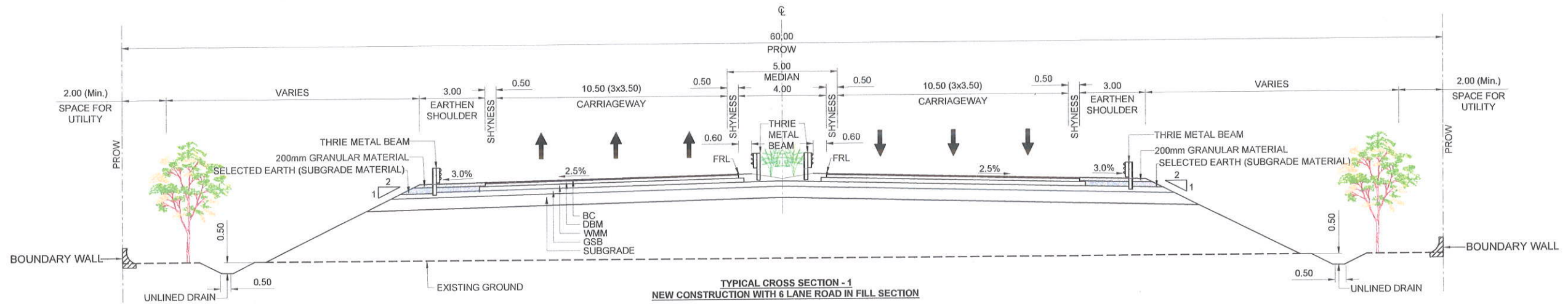




[Signature]
Project Director

National Highways Authority of India
Project Implementation Unit
Kancheepuram

NOTE:
1. ALL DIMENSIONS ARE METERS.
2. PROW - PROPOSED RIGHT OF WAY.
3. EARTHEN SHOULDER WITH 200mm GRANULAR ON TOP LAYER.

REV. NO.	DESCRIPTION	DATE
R0	INITIAL SUBMISSION	KM
		APVD



National Highways
Authority of India
(NHA)



Louis Berger

CONSULTANCY SERVICES FOR PREPARATION OF DPR FOR DEVELOPMENT OF ECONOMIC CORRIDORS, INTER CORRIDORS, FEEDER ROUTES TO IMPROVE THE EFFICIENCY OF FREIGHT MOVEMENT IN INDIA UNDER BHARATMALA PARIYOJANA
LOT 3/ ANDHRA PRADESH, KARNATAKA, GOA & KERALA /PACKAGE 1

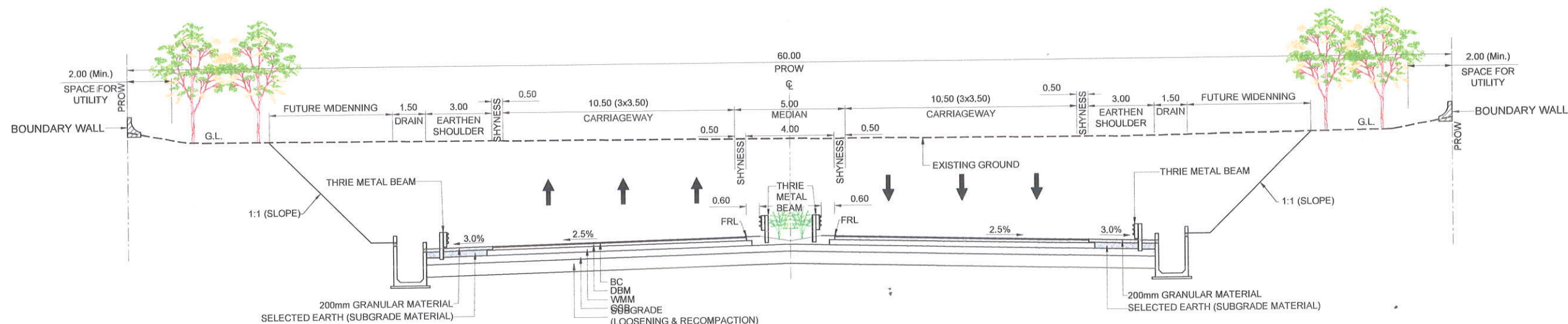
CHITTOOR - THATCHUR ROAD (NH-716 B)
TYPICAL CROSS SECTION

CHECKED: VA
APPROVED: KM

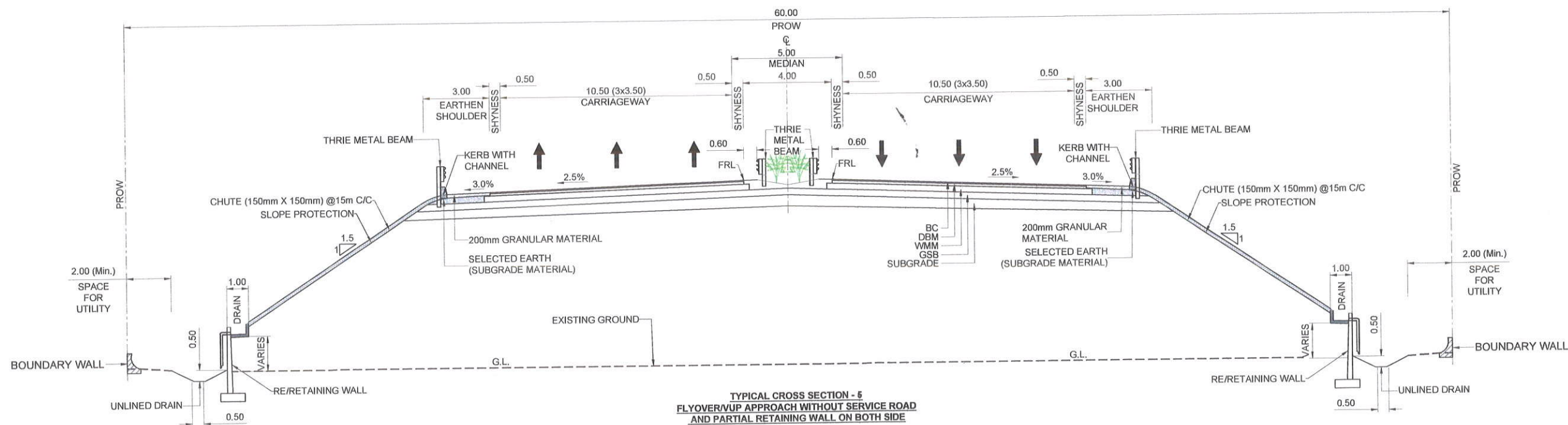
SCALE: @ A2 SIZE SHEET

DRAFT DPR

DRAWING NO: 4800182-CI-RD-CT-1A_TCS-07-001
REV. R0



TYPICAL CROSS SECTION - 4
NEW CONSTRUCTION WITH 6 LANE ROAD IN CUT SECTION



TYPICAL CROSS SECTION - 5
FLYOVER/VUP APPROACH WITHOUT SERVICE ROAD
AND PARTIAL RETAINING WALL ON BOTH SIDE

[Signature]
Project Director
National Highways Authority of India
Project Implementation Unit
Kancheepuram

NOTE:
1. ALL DIMENSIONS ARE METERS.
2. PROW - PROPOSED RIGHT OF WAY.
3. EARTHEN SHOULDER WITH 200mm GRANULAR ON TOP LAYER.



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Louis Berger

CONSULTANCY SERVICES FOR PREPARATION OF DPR FOR DEVELOPMENT OF ECONOMIC
CORRIDORS, INTER CORRIDORS, FEEDER ROUTES TO IMPROVE THE EFFICIENCY OF FREIGHT
MOVEMENT IN INDIA UNDER BHARATMALA PARIYOJANA
LOT 3/ ANDHRA PRADESH, KARNATAKA, GOA & KERALA / PACKAGE 1

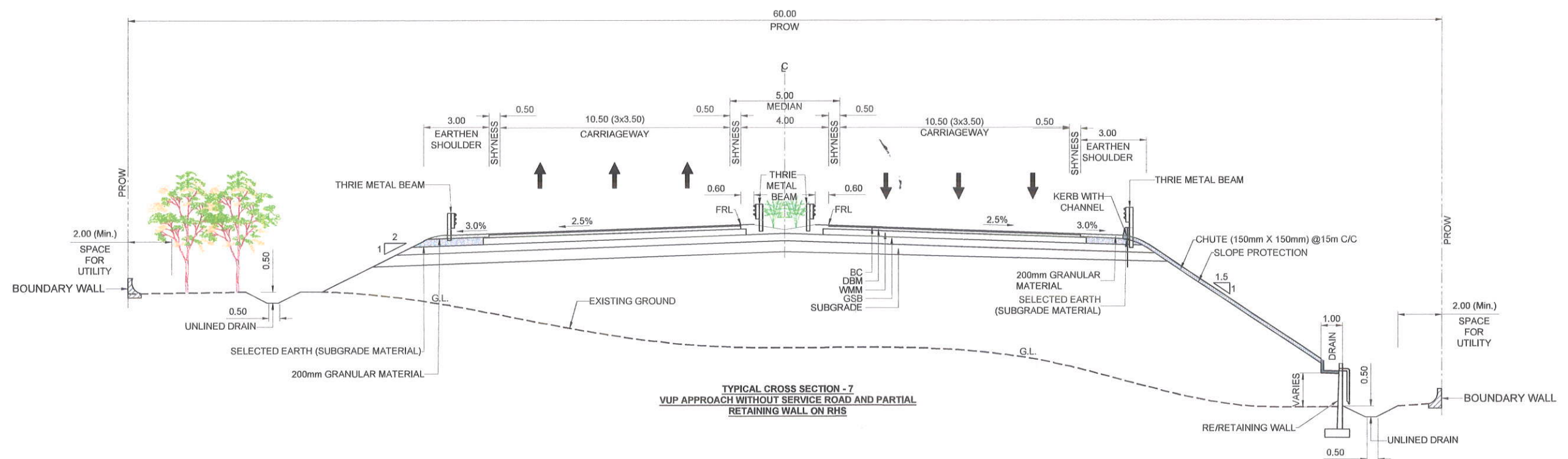
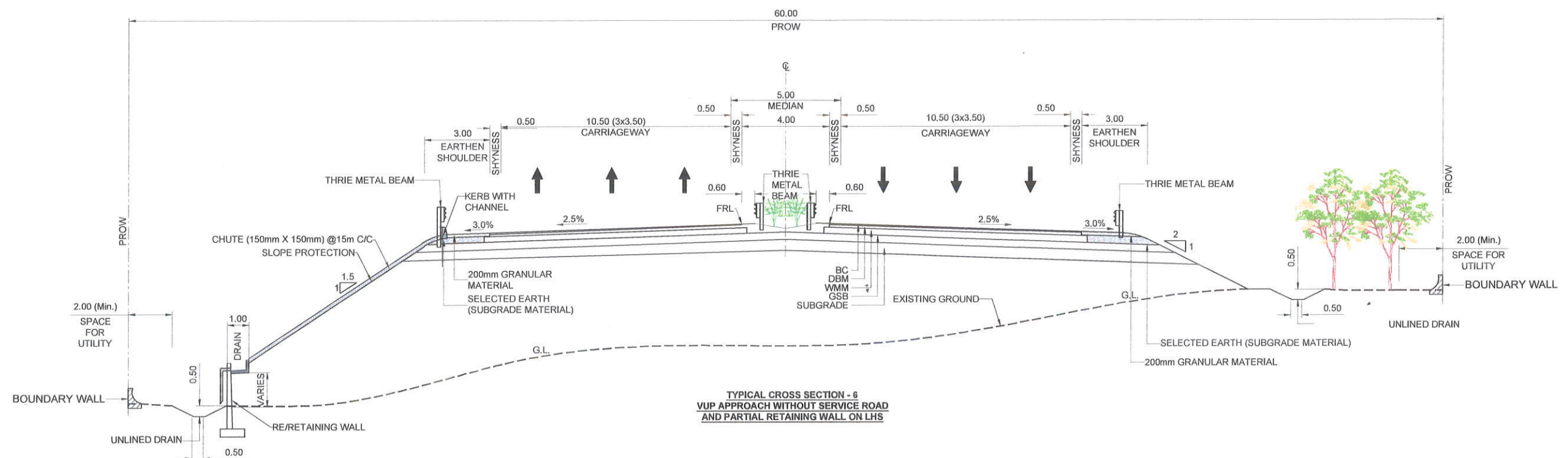
CHITTOOR - THATCHUR ROAD (NH-716 B)
TYPICAL CROSS SECTION

DRAWN: RA DATE: SEPTEMBER 2020
DESIGNED: YSC
CHECKED: VA
APPROVED: KM
SCALE: SCALE @ A2 SIZE SHEET

DRAFT DPR

DRAWING NO: 4800182-CI-RD-CT-1A_TCS-07-002
REV. R0

REV. NO.	DESCRIPTION	KM	APVD
R0	INITIAL SUBMISSION		



Project Director
National Highways Authority of India
Project Implementation Unit

NOTE:
1. ALL DIMENSIONS ARE METERS.
2. P.R.O.W. - PROPOSED RIGHT OF WAY.
3. EARTHEN SHOULDER WITH 200mm GRANULAR ON TOP LAYER.



**National Highways
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Louis Berger

CONSULTANCY SERVICES FOR PREPARATION OF DPR FOR DEVELOPMENT OF ECONOMIC
CORRIDORS, INTER CORRIDORS, FEEDER ROUTES TO IMPROVE THE EFFICIENCY OF FREIGHT
MOVEMENT IN INDIA UNDER BHARATMALA PARIYOJANA
LOT 3/ ANDHRA PRADESH, KARNATAKA, GOA & KERALA /PACKAGE 1

CHITTOOR - THATCHUR ROAD (NH-716 B)

TYPICAL CROSS SECTION

Kancheepuram

DRAWN: RA
DESIGNED: YSC
CHECKED: VA
APPROVED: KM
DATE: SEPTEMBER 2020
SCALE:
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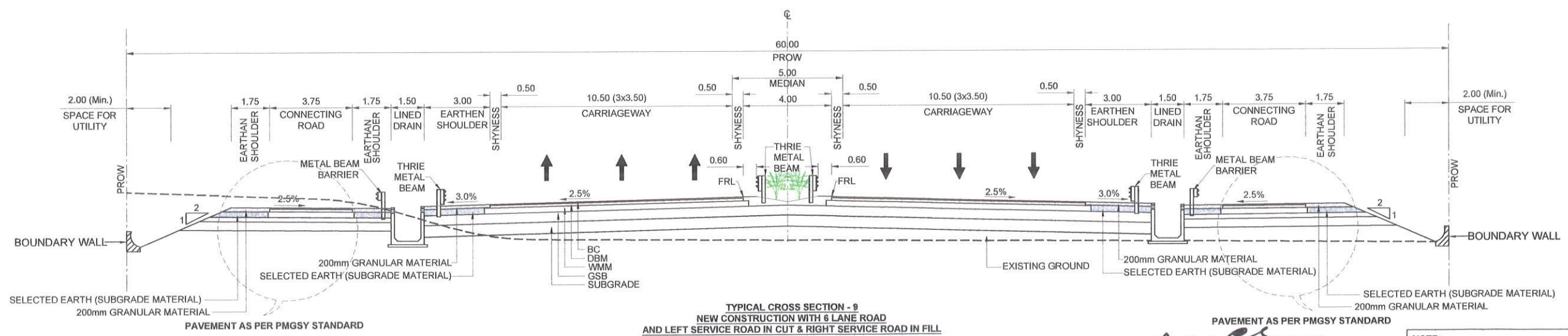
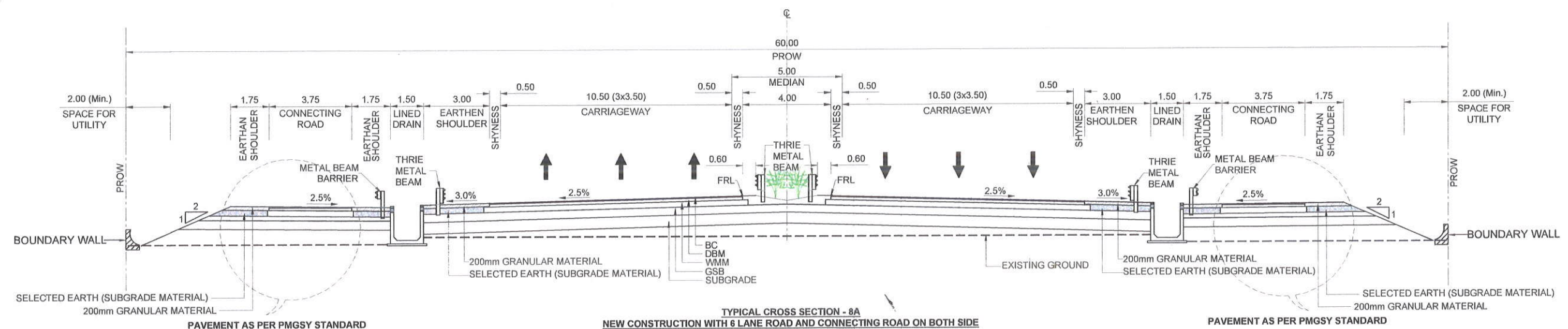
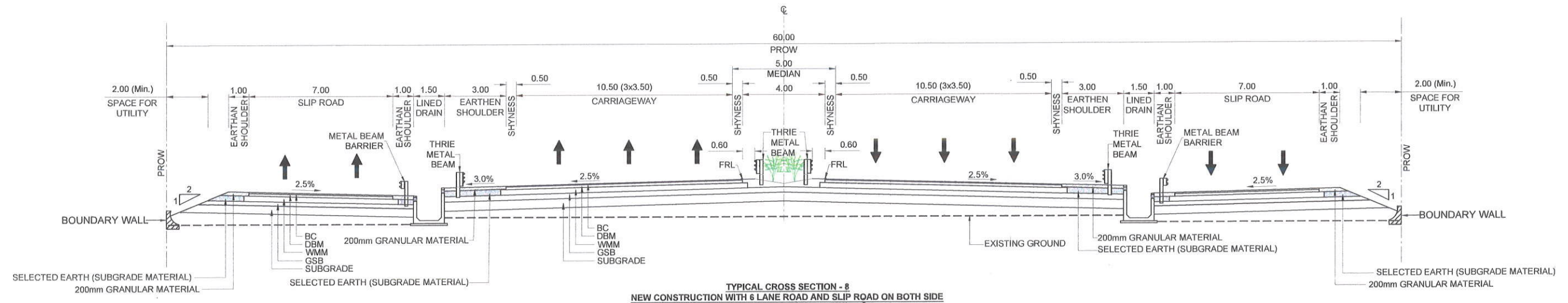
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DRAWING NO:
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REV.

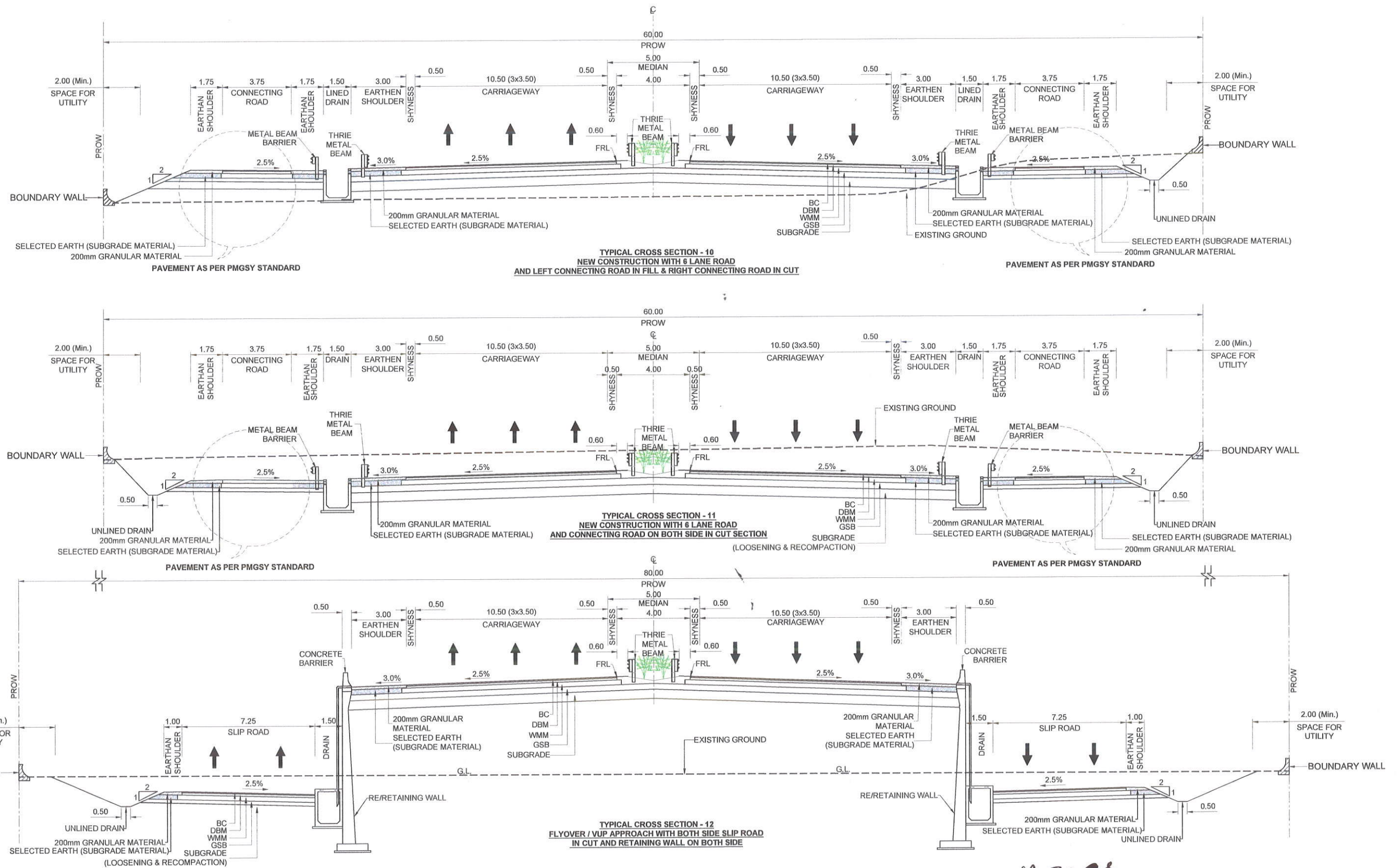
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REV. NO.	DESCRIPTION	APVD
R0	INITIAL SUBMISSION	KM



Project Director
National Highways Authority of India
Project Implementation Unit
Kanchipuram

NOTE:
1. ALL DIMENSIONS ARE METERS.
2. PROW - PROPOSED RIGHT OF WAY.
3. EARTHEN SHOULDER WITH 200mm GRANULAR ON TOP LAYER.



Project Director
National Highways Authority of India
Project Implementation Unit
Kanchespuram

NOTE:
1. ALL DIMENSIONS ARE METERS.
2. PROW - PROPOSED RIGHT OF WAY.
3. EARTHEN SHOULDER WITH 200mm GRANULAR ON TOP LAYER.



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CONSULTANCY SERVICES FOR PREPARATION OF DPR FOR DEVELOPMENT OF ECONOMIC
CORRIDORS, INTER CORRIDORS, FEEDER ROUTES TO IMPROVE THE EFFICIENCY OF FREIGHT
MOVEMENT IN INDIA UNDER BHARATMALA PARIYOJANA
LOT 3/ ANDHRA PRADESH, KARNATAKA, GOA & KERALA / PACKAGE 1

CHITTOOR - THATCHUR ROAD (NH-716 B)
TYPICAL CROSS SECTION

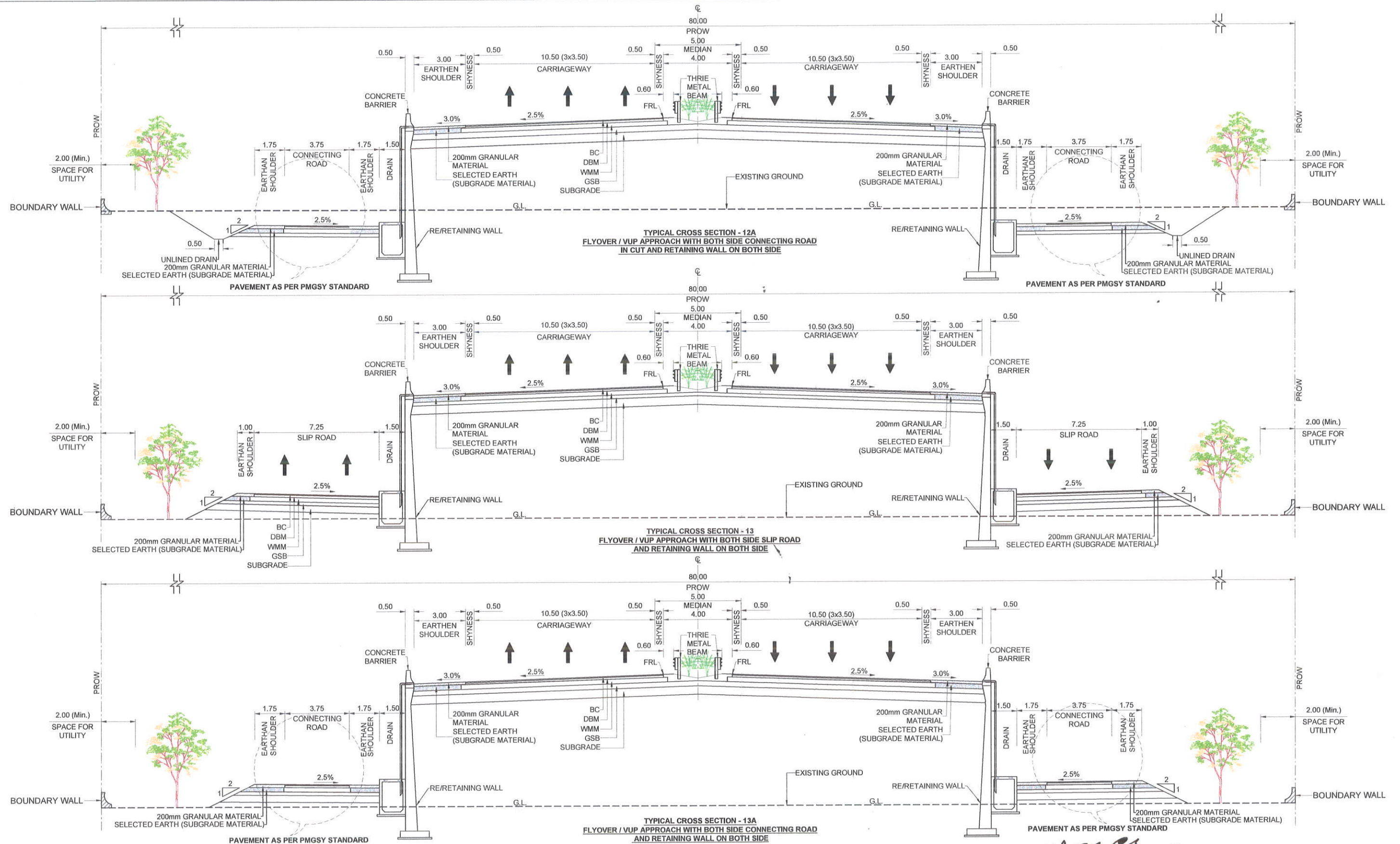
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DESIGNED: YSC
CHECKED: VA
APPROVED: KM

DATE: SEPTEMBER 2020
SCALE:
SCALE @ A2 SIZE SHEET

DRAFT DPR

DRAWING NO: 4800182-CI-RD-CT-1A_TCS-07-005
REV. R0

REV. NO.	DESCRIPTION	APVD
R0	INITIAL SUBMISSION	KM



Project Director
National Highways Authority of India
Project Implementation Unit
Kancheepuram

NOTE:
1. ALL DIMENSIONS ARE METERS.
2. PROW - PROPOSED RIGHT OF WAY.
3. EARTHEN SHOULDER WITH 200mm GRANULAR ON TOP LAYER.



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CONSULTANCY SERVICES FOR PREPARATION OF DPR FOR DEVELOPMENT OF ECONOMIC
CORRIDORS, INTER CORRIDORS, FEEDER ROUTES TO IMPROVE THE EFFICIENCY OF FREIGHT
MOVEMENT IN INDIA UNDER BHARATMALA PARIYOJANA
LOT 3/ ANDHRA PRADESH, KARNATAKA, GOA & KERALA /PACKAGE 1

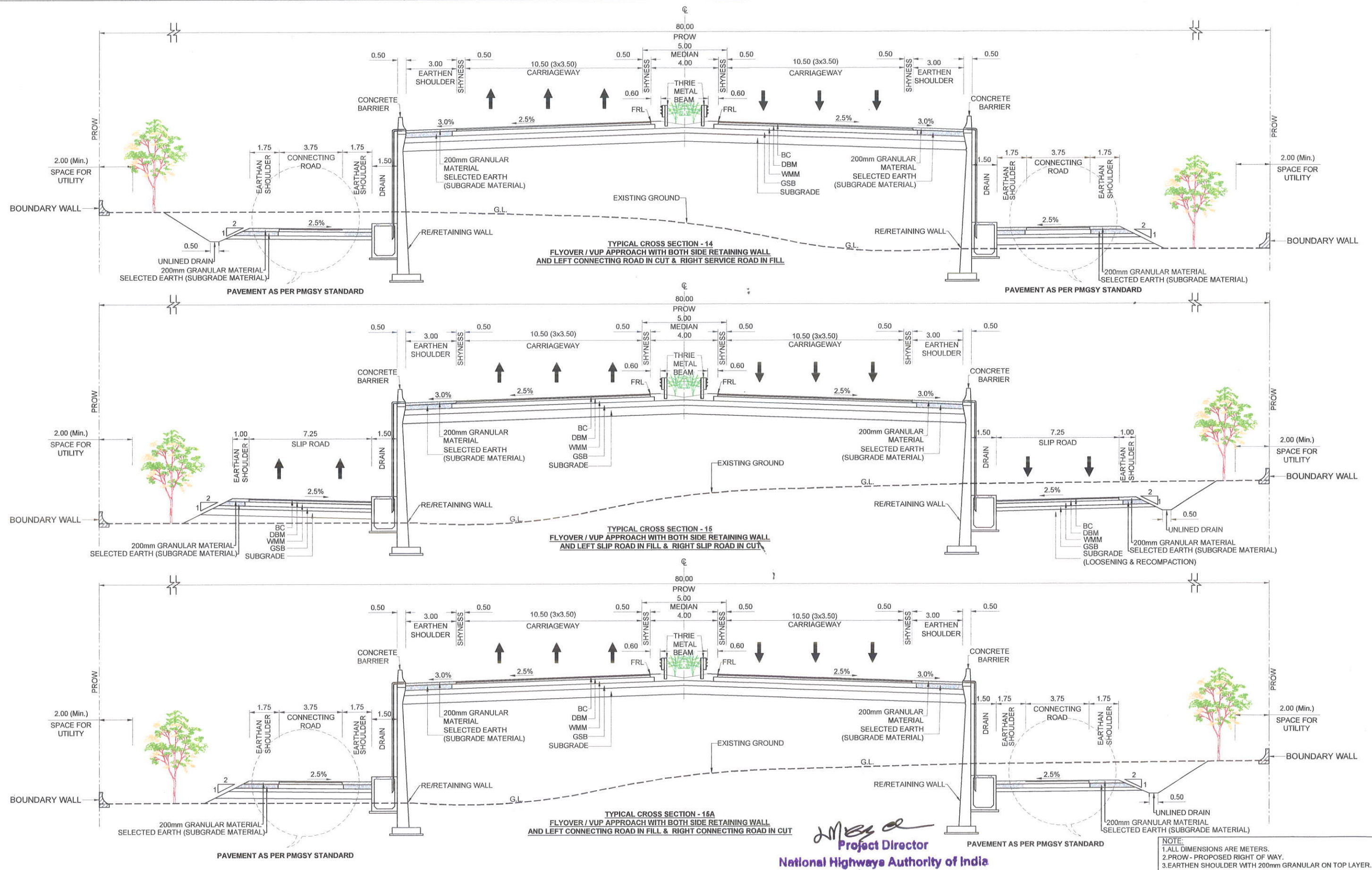
CHITTOOR - THATCHUR ROAD (NH-716 B)
TYPICAL CROSS SECTION

DRAWN: RA DATE: SEPTEMBER 2020
DESIGNED: YSC
CHECKED: VA
APPROVED: KM
SCALE: SCALE @ A2 SIZE SHEET

DRAFT DPR

DRAWING NO:
4800182-CI-RD-CT-1A_TCS-07-006
REV. R0

REV. NO.	DESCRIPTION	KM	APVD
R0	INITIAL SUBMISSION		



Project Director
National Highways Authority of India
Project Implementation Unit

REV. NO.	DESCRIPTION	APVD
R0	INITIAL SUBMISSION	KM

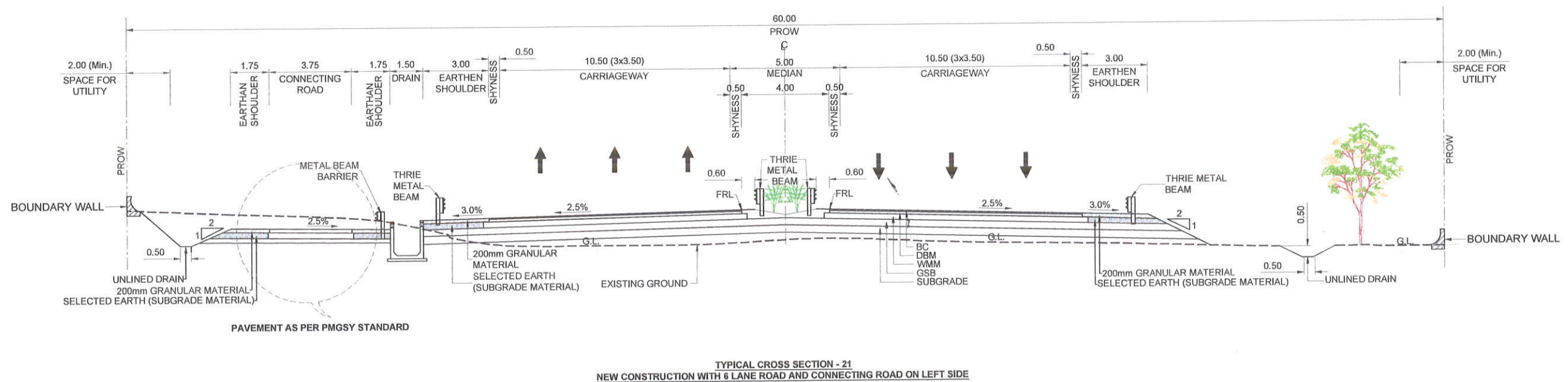
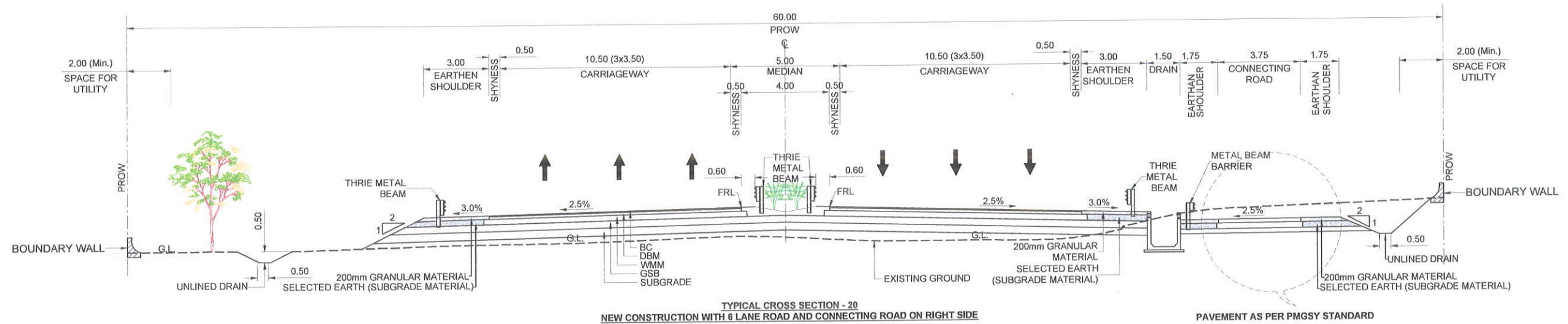


CONSULTANCY SERVICES FOR PREPARATION OF PROJECT REPORT OF ECONOMIC CORRIDORS, INTER CORRIDORS, FEEDER ROUTES TO IMPROVE THE EFFICIENCY OF FREIGHT MOVEMENT IN INDIA UNDER BHARATMALA PARIYOJANA
 LOT 3/ ANDHRA PRADESH, KARNATAKA, GOA & KERALA /PACKAGE 1

CHITTOOR - THATCHUR ROAD (NH-716 B)
TYPICAL CROSS SECTION

DRAWN: RA	DATE: SEPTEMBER 2020
DESIGNED: YSC	SCALE:
CHECKED: VA	SCALE @ A2 SIZE SHEET
APPROVED: KM	

DRAFT DPR	
DRAWING NO:	REV.
4800182-CI-RD-CT-1A_TCS-07-007	R0



[Signature]
Project Director
National Highways Authority of India
Project Implementation Unit
Kancheepuram

NOTE:
1. ALL DIMENSIONS ARE METERS.
2. PROW - PROPOSED RIGHT OF WAY.
3. EARTHEN SHOULDER WITH 200mm GRANULAR ON TOP LAYER.

REV. NO.	DESCRIPTION	APVD
RD	INITIAL SUBMISSION	KM



National Highways
Authority of India
(NHA)



Louis Berger

CONSULTANCY SERVICES FOR PREPARATION OF DPR FOR DEVELOPMENT OF ECONOMIC CORRIDORS, INTER CORRIDORS, FEEDER ROUTES TO IMPROVE THE EFFICIENCY OF FREIGHT MOVEMENT IN INDIA UNDER BHARATMALA PARIYOJANA
LOT 3/ ANDHRA PRADESH, KARNATAKA, GOA & KERALA / PACKAGE 1

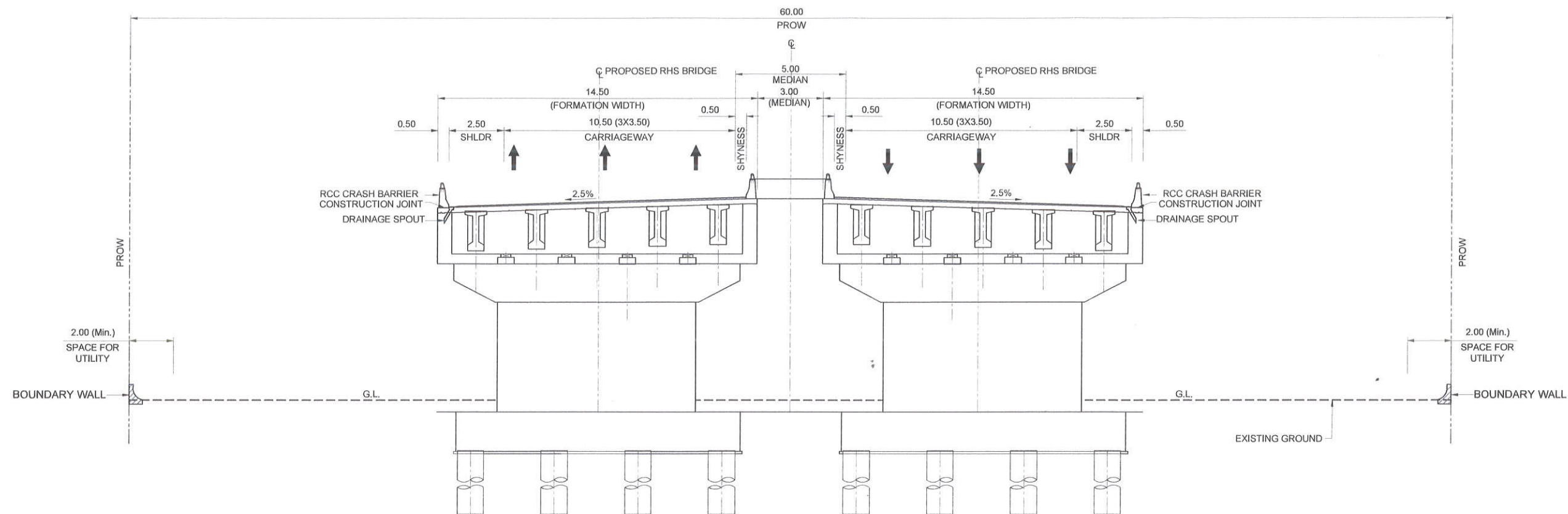
CHITTOOR - THATCHUR ROAD (NH-716 B)
TYPICAL CROSS SECTION

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APPROVED: KM
DATE: SEPTEMBER 2020
SCALE:
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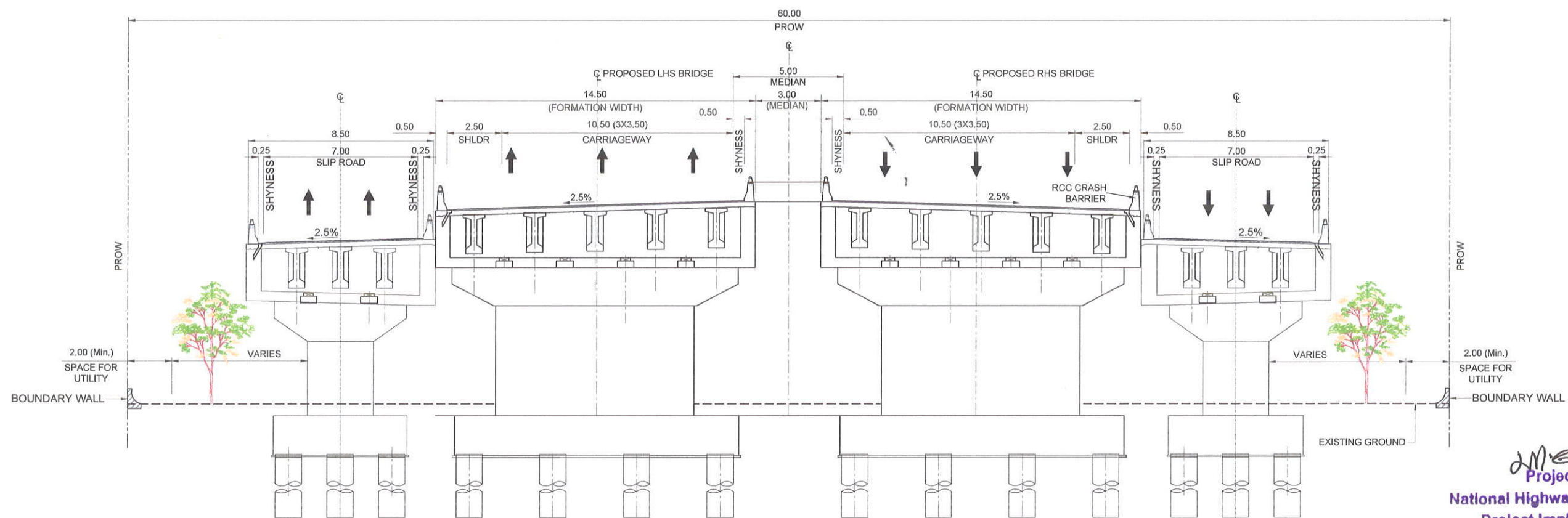
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DRAWING NO:
4800182-CI-RD-CT-1A_TCS-07-010

REV.
R0



TYPICAL CROSS SECTION - 22
AT VIADUCT IC



TYPICAL CROSS SECTION - 23
AT VIADUCT IC WITH BOTH SIDE SLIP ROAD

NOTE:
1. ALL DIMENSIONS ARE METERS.
2. PROW - PROPOSED RIGHT OF WAY.
3. EARTHEN SHOULDER WITH 200mm GRANULAR ON TOP LAYER.

M. S. S.
Project Director

National Highways Authority of India

Project Implementation Unit

Kancheepuram



National Highways
Authority of India
(NHA)



Louis Berger

CONSULTANCY SERVICES FOR PREPARATION OF DPR FOR DEVELOPMENT OF ECONOMIC
CORRIDORS, INTER CORRIDORS, FEEDER ROUTES TO IMPROVE THE EFFICIENCY OF FREIGHT
MOVEMENT IN INDIA UNDER BHARATMALA PARIYOJANA
LOT 3/ ANDHRA PRADESH, KARNATAKA, GOA & KERALA / PACKAGE 1

CHITTOOR - THATCHUR ROAD (NH-716 B)

TYPICAL CROSS SECTION

DRAWN: RA
DESIGNED: YSC
CHECKED: VA
APPROVED: KM

DATE: SEPTEMBER 2020
SCALE:
SCALE @ A2 SIZE SHEET

DRAFT DPR

DRAWING NO:
4800182-CI-RD-CT-1A_TCS-07-011

REV.
R0

REV. NO.	DESCRIPTION	APVD
R0	INITIAL SUBMISSION	KM