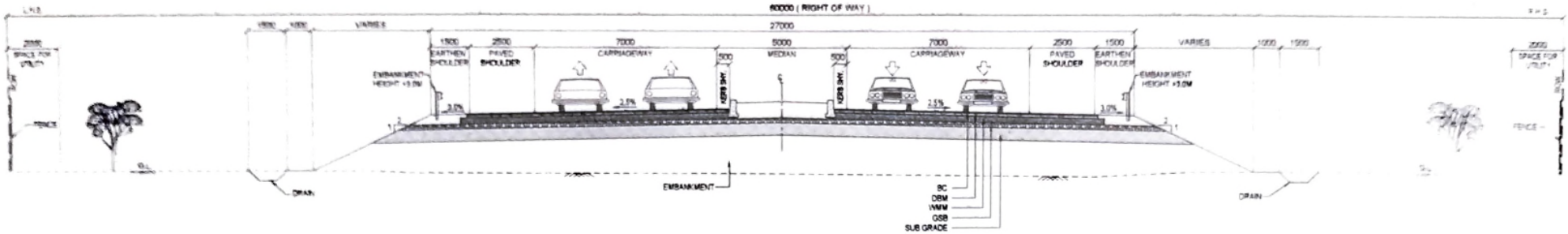
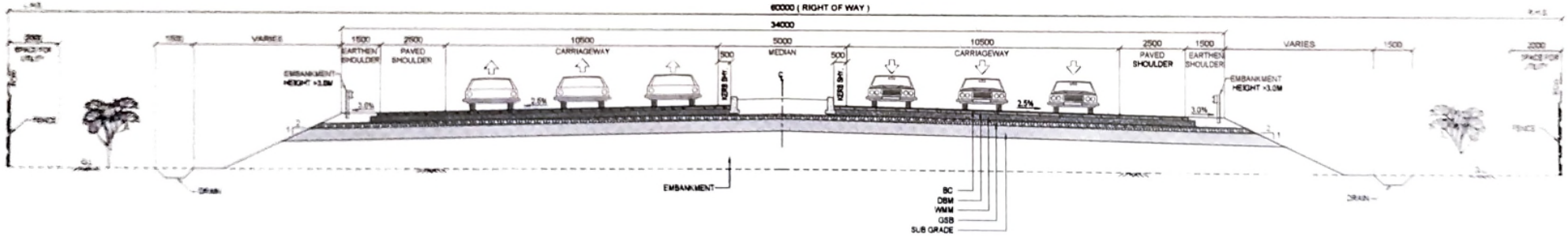


TYPICAL CROSS SECTION : TYPE - 1
4-Lane with Paved Shoulder & 5.0m Median



TYPICAL CROSS SECTION : TYPE - 1 A
6-Lane with Paved Shoulder & 5.0m Median

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(सड़क परिवहन एवं राजमार्ग मंत्रालय भारत सरकार)
परियोजना कार्यान्वयन इकाई
रायबरेली

KEY PLAN

CLIENT :
NATIONAL HIGHWAYS AUTHORITY OF INDIA

CONSULTANT :
SAI Consulting Engineers Pvt. Ltd

PROJECT :
Consultancy Services for Preparation of Detailed Project Report for Development of 4/6 Lane Ayodhya Bypass Total length of 67.572 kms (Northern Ayodhya Bypass starting at km 112+540, ending at km 139+928 of NH - 28 and Southern Ayodhya Bypass starting at km 112+540, ending at km 153+281 of NH - 28) under NHDP Phase-VII in the State of Uttar Pradesh.

SCALE : NTS

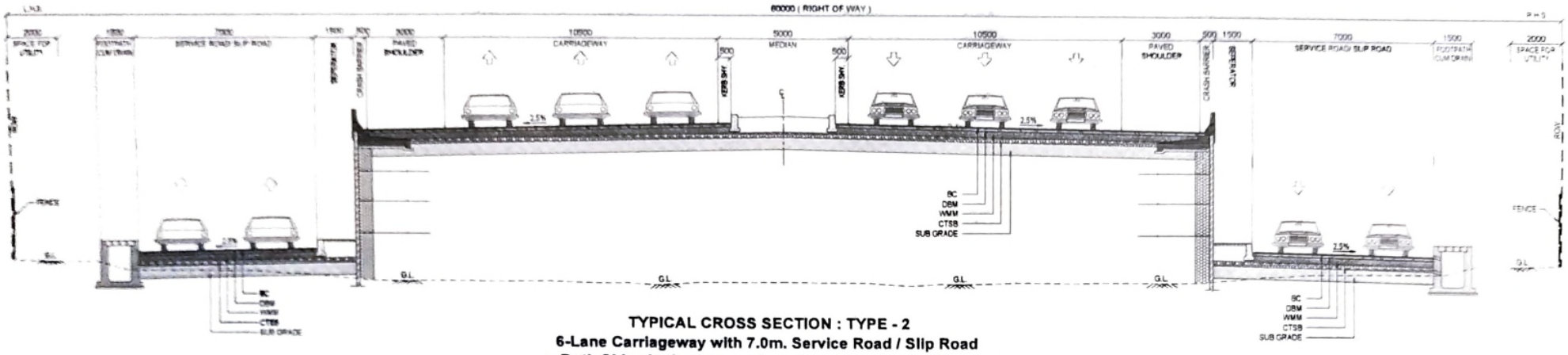
TITLE : NORTHERN AYODHYA BYPASS (PACKAGE-1)
TYPICAL CROSS SECTION
TYPE-1 AND TYPE-1A

TOR No. : TOR-218008

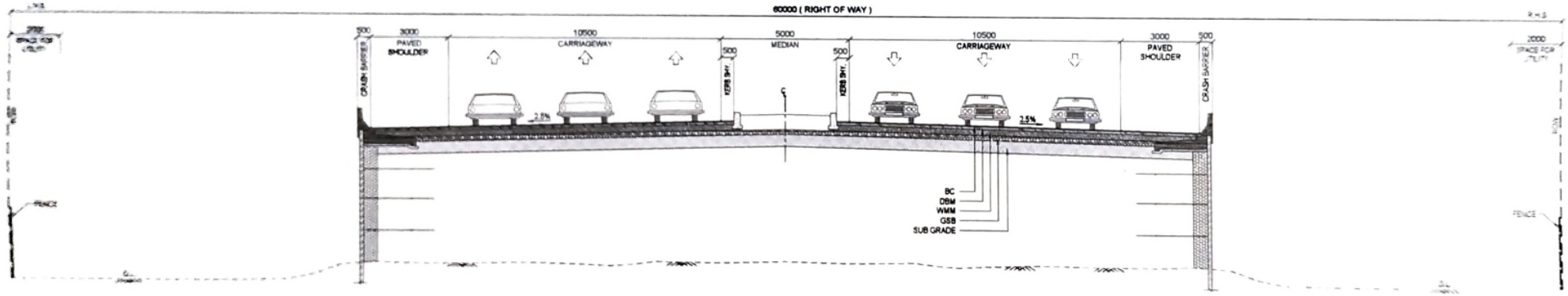
DRAWING No. : TDD-218008-RD-FFR-TX-04011

SIZE : A2

REV : R0



TYPICAL CROSS SECTION : TYPE - 2
6-Lane Carriageway with 7.0m. Service Road / Slip Road
on Both Sides in the Approaches of Grade separated Structures



TYPICAL CROSS SECTION : TYPE - 3
6-Lane Carriageway without Service Road / Slip Road
on Both Side in the Approaches of Grade separated Structures

परियोजना निदेशक
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
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परियोजना कार्यान्वयन इकाई

KEY PLAN

CLIENT :- NATIONAL HIGHWAYS AUTHORITY OF INDIA

CONSULTANT :- SAI Consulting Engineers Pvt. Ltd.

PROJECT :- Consultancy Services for Preparation of Detailed Project Report for Development of 4/6 Lane Ayodhya Bypass Total length of 67.572 kms (Northern Ayodhya Bypass starting at km 112+540, ending at km 139+928 of NH - 28 and Southern Ayodhya Bypass starting at km 112+540, ending at km 153+281 of NH - 28) under NHDP Phase-VII in the State of Uttar Pradesh.

SCALE : NTS

TITLE : NORTHERN AYODHYA BYPASS (PACKAGE-1)
TYPICAL CROSS SECTION
TYPE-2 AND TYPE-3

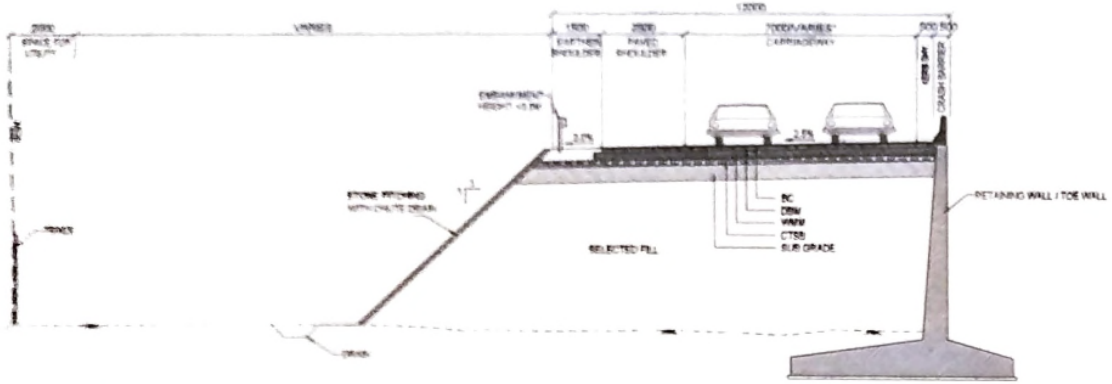
JOB No. : TDO-218008

DRAWING No. : TDO-218008-RD-FFR-TX-04012

SHEET

SIZE : A2

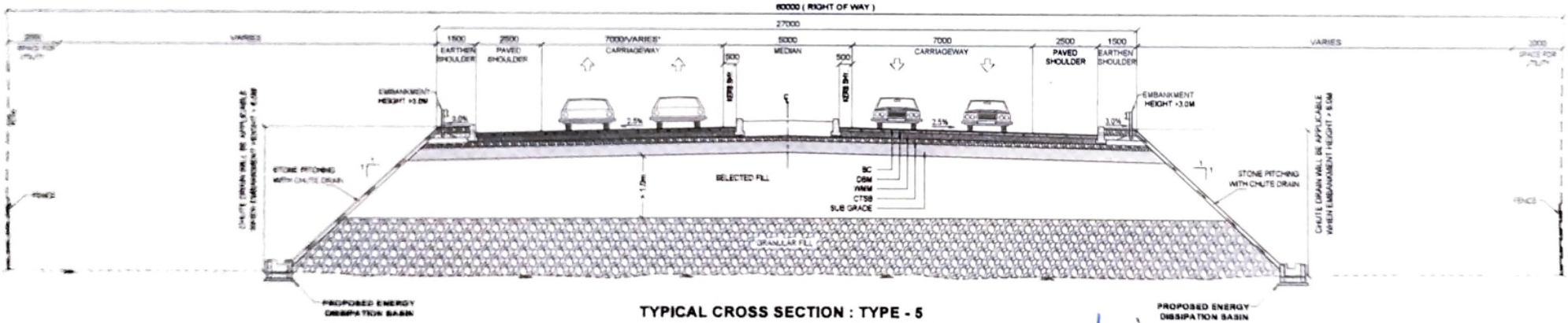
REV. : R0



NOTES:-

1. STONE PITCHING & MIN HEIGHT = 1.0m
2. [illegible] CARRIAGEWAY WIDTH VARIES FROM [illegible] AS PER GEOMETRY REQUIREMENT

TYPICAL CROSS SECTION : TYPE - 4
2-Lane Carriageway at Ramp Approaches



NOTES:-

1. STONE PITCHING & MIN HEIGHT = 1.0m
2. [illegible] CARRIAGEWAY WIDTH VARIES FROM [illegible] AS PER GEOMETRY REQUIREMENT

TYPICAL CROSS SECTION : TYPE - 5
4-Lane Carriageway with Paved shoulders
on High Embankment locations with chute drains
and at water logged area with stone pitching

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परियोजना कार्यान्वयन इकाई
रायबरेली

KEY PLAN

CLIENT:- NATIONAL HIGHWAYS AUTHORITY OF INDIA

CONSULTANT:- SAI Consulting Engineers Pvt. Ltd

PROJECT:- Consultancy Services for Preparation of Detailed Project Report for Development of 4/6 Lane Ayodhya Bypass Total length of 67.572 kms (Northern Ayodhya Bypass starting at km 112+540, ending at km 139+920 of NH - 28 and Southern Ayodhya Bypass starting at km 112+540, ending at km 153+281 of NH - 28) under NHDP Phase-VII in the State of Uttar Pradesh.

SCALE: NTS

TITLE: NORTHERN AYODHYA BYPASS (PACKAGE-1)
TYPICAL CROSS SECTION
TYPE-4 AND TYPE-5

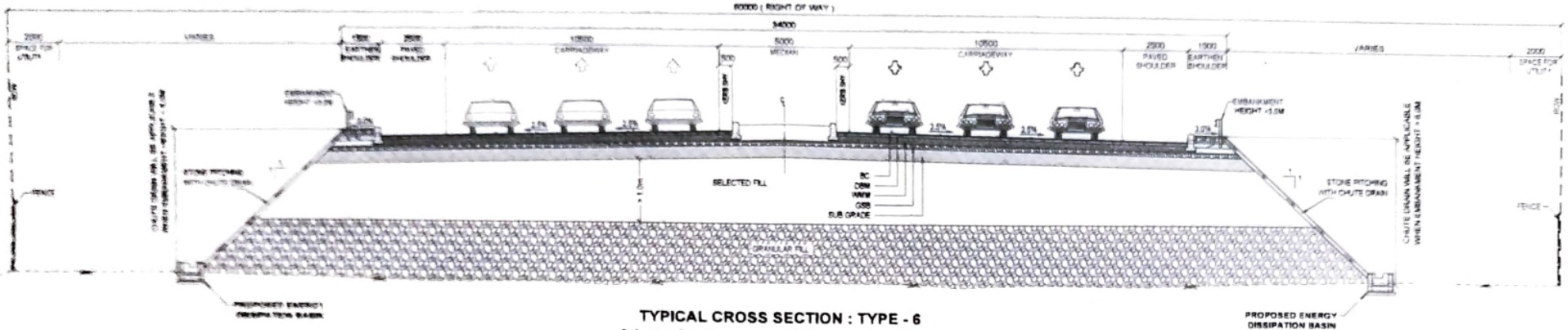
JOB NO.: T00-316008

DRAWING NO.: TDD-216008-RD-FFR-TX-04013

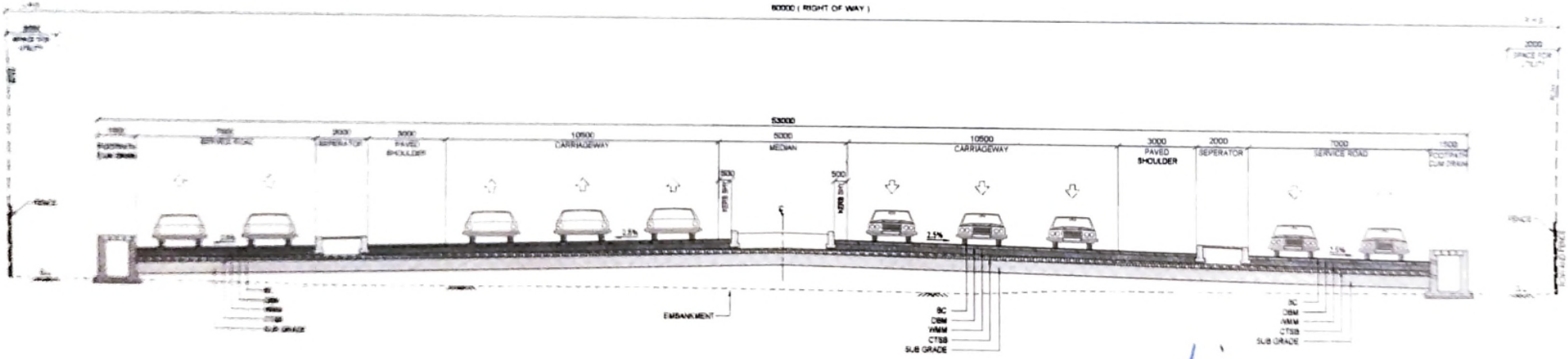
SHEET: 1

SIZE: A2

REV.: R0



TYPICAL CROSS SECTION : TYPE - 6
6-Lane Carriageway with Paved shoulders
on High Embankment locations with chute drains
and at water logged area with stone pitching



TYPICAL CROSS SECTION : TYPE - 7
6-Lane Carriageway with 7.0m. Service Road / Slip Road on Both sides

परियोजना निदेशक
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परियोजना कार्यान्वयन इकाई
रायबरेली

KEY PLAN

CLIENT: NATIONAL HIGHWAYS AUTHORITY OF INDIA

CONSULTANT: SAI Consulting Engineers Pvt. Ltd

PROJECT: Consultancy Services for Preparation of Detailed Project Report for Development of 4/6 Lane Ayodhya Bypass Total length of 87.372 kms (Northern Ayodhya Bypass starting at km 112+540, ending at km 139+928 of NH - 28 and Southern Ayodhya Bypass starting at km 112+540, ending at km 153+281 of NH - 28) under NHDP Phase VII in the State of Uttar Pradesh.

SCALE: NTS

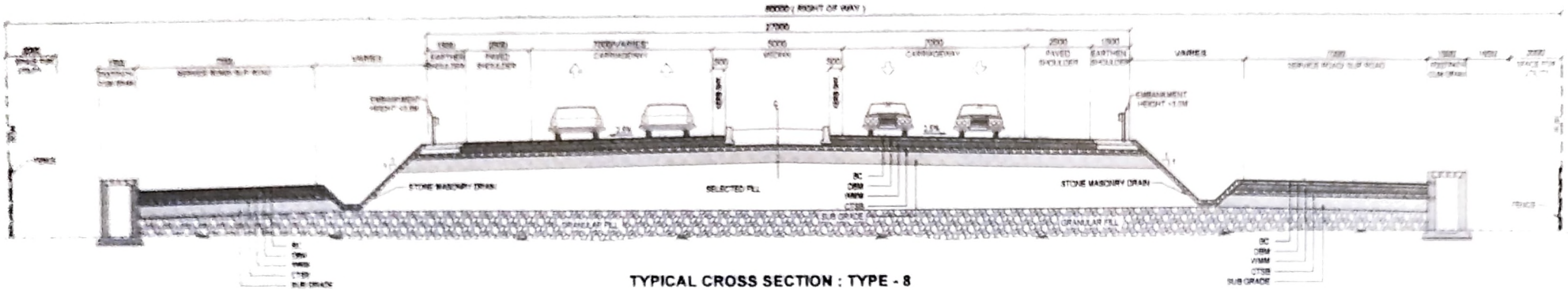
TITLE: NORTHERN AYODHYA BYPASS (PACKAGE-I) TYPICAL CROSS SECTION TYPE-6 AND TYPE-7

JOB NO.: 700-21808

DRAWING NO.: TDD-218008-RD-FFR-TX-04014

SHEET NO.: 42

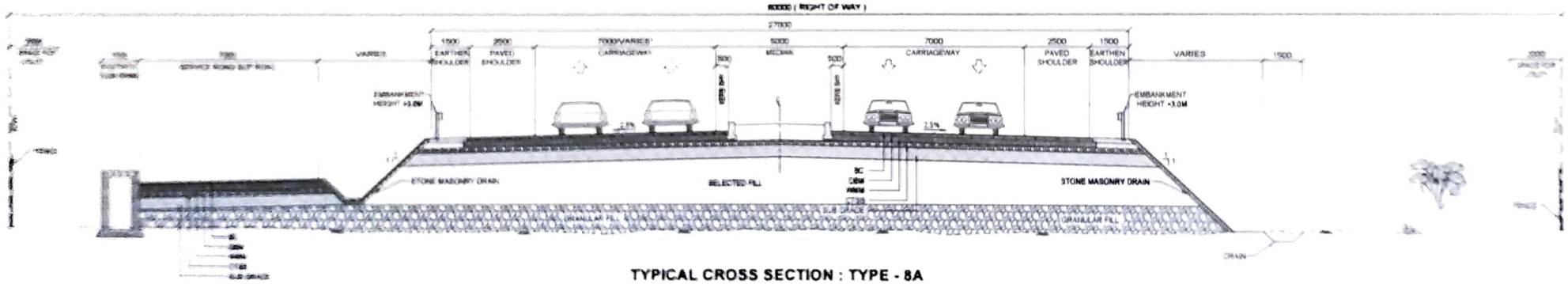
REV: 00



TYPICAL CROSS SECTION : TYPE - 8

4-Lane Carriageway with Paved shoulders with 7.0m. Service Road

NOTE:



TYPICAL CROSS SECTION : TYPE - 8A

4-Lane Carriageway with Paved shoulders with 7.0m. Service Road

NOTE:

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परियोजना कार्यान्वयन इकाई
अयोध्या

KEY PLAN

CLIENT: NATIONAL HIGHWAYS AUTHORITY OF INDIA

CONSULTANT: SAI Consulting Engineers Pvt. Ltd.

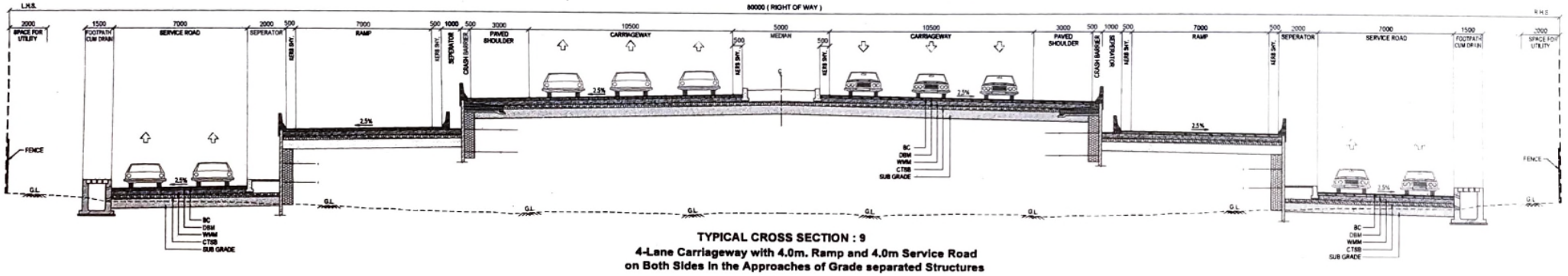
PROJECT: Consultancy Services for Preparation of Detailed Project Report for Development of 4/6 Lane Ayodhya Bypass Total length of 9.7 372 kms (Northern Ayodhya Bypass starting at km 112+540, ending at km 139+938 of NH - 28 and Southern Ayodhya Bypass starting at km 112+540, ending at km 153+281 of NH - 28) under NHDP Phase-VII in the State of Uttar Pradesh.

TITLE: NORTHERN AYODHYA BYPASS (PACKAGE-1) TYPICAL CROSS SECTION TYPE-8 AND TYPE-8A

DRAWING NO.: TCS-216008-RD-PPR-TY-0401

SHEET NO.: 41

REV: R0



TYPICAL CROSS SECTION : 9
4-Lane Carriageway with 4.0m. Ramp and 4.0m Service Road on Both Sides In the Approaches of Grade separated Structures

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(सड़क परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार)
परियोजना कार्यान्वयन इकाई
रायबरेली

KEY PLAN :

REV.	DATE	DESCRIPTION OF REVISION	DRAWN	DESIGN	CHECK	APPRD
R0	21/12/2021	FINAL FEASIBILITY REPORT	PK	PK	VK	AA

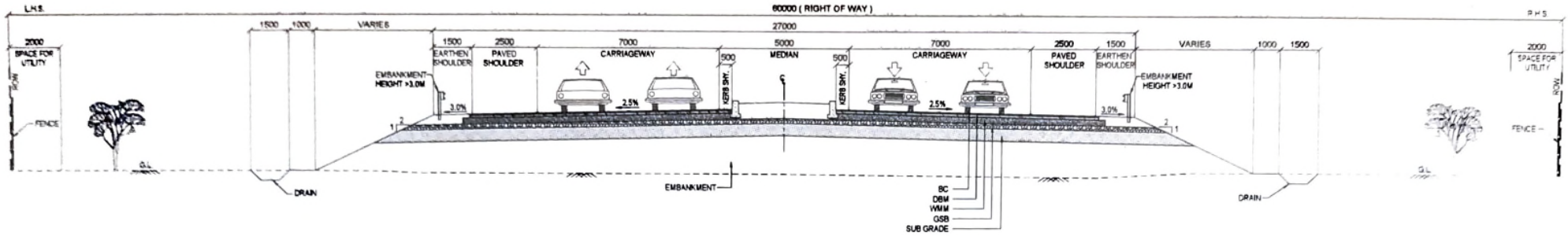
CLIENT:-
NATIONAL HIGHWAYS AUTHORITY OF INDIA

CONSULTANT:-
SAI Consulting Engineers Pvt. Ltd.
An ISO 9001 Certified Company

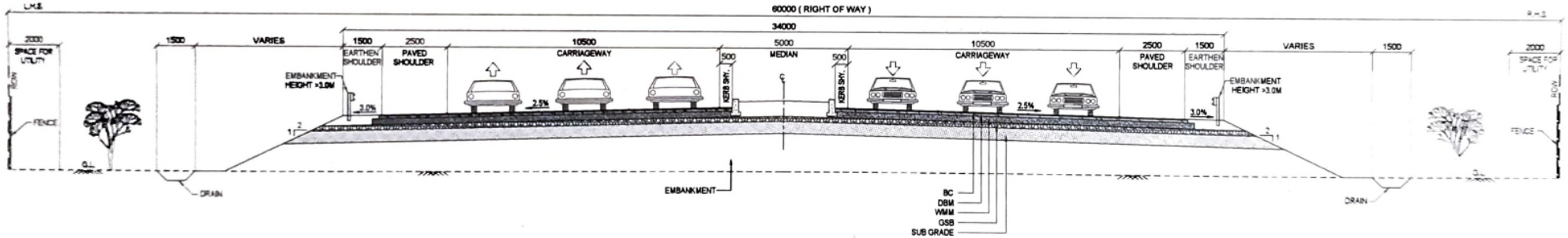
PROJECT:-
Consultancy Services for Preparation of Detailed Project Report for Development of 4/6 Lane Ayodhya Bypass Total length of 67.572 kms (Northern Ayodhya Bypass starting at km 112+540, ending at km 139+928 of NH - 28 and Southern Ayodhya Bypass starting at km 112+540, ending at km 153+281 of NH - 28) under NHDP Phase-VII in the State of Uttar Pradesh.

SCALE	TITLE
NTS	NORTHERN AYODHYA BYPASS (PACKAGE-1) TYPICAL CROSS SECTION TYPE-9

JOB No.	DRAWING No.	SHEET	SIZE	REV
TDD-218008	TDD-218008-RD-FFR-TX-04016		A2	R0



TYPICAL CROSS SECTION : TYPE - 1
4-Lane with Paved Shoulder & 5.0m Median



TYPICAL CROSS SECTION : TYPE - 1 A
6-Lane with Paved Shoulder & 5.0m Median

परियोजना निदेशक
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(सड़क परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार)
परियोजना कार्यान्वयन इकाई
रायबरेली

KEY PLAN

REV	DATE	DESCRIPTION OF REVISION	DRAWN	DESIGN	CHECK	APPRD
R0	29/12/2021	FINAL FEASIBILITY REPORT	PK	PK	VK	AA

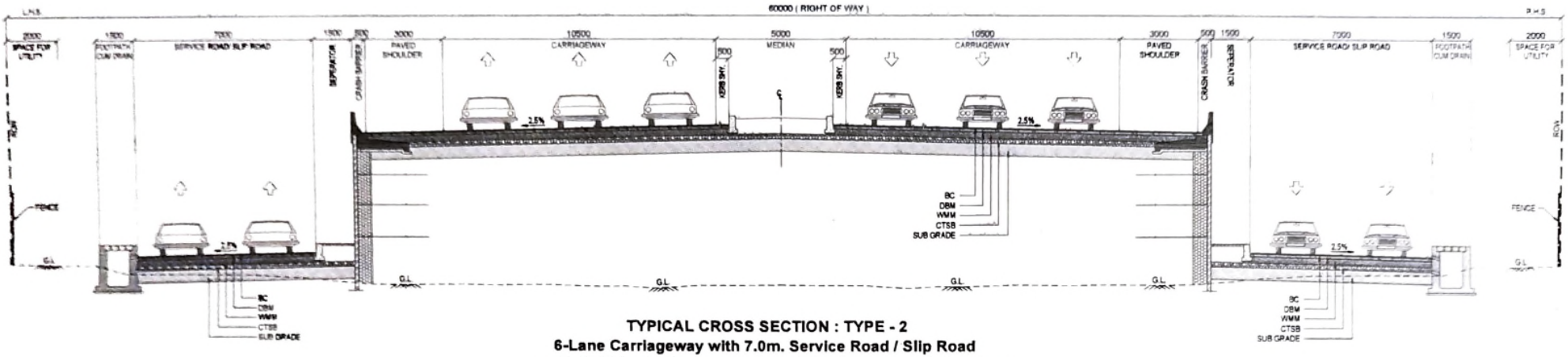
CLIENT :-
NATIONAL HIGHWAYS AUTHORITY OF INDIA

CONSULTANT:-
SAI Consulting Engineers Pvt. Ltd.
An ISO 9001 Certified Company

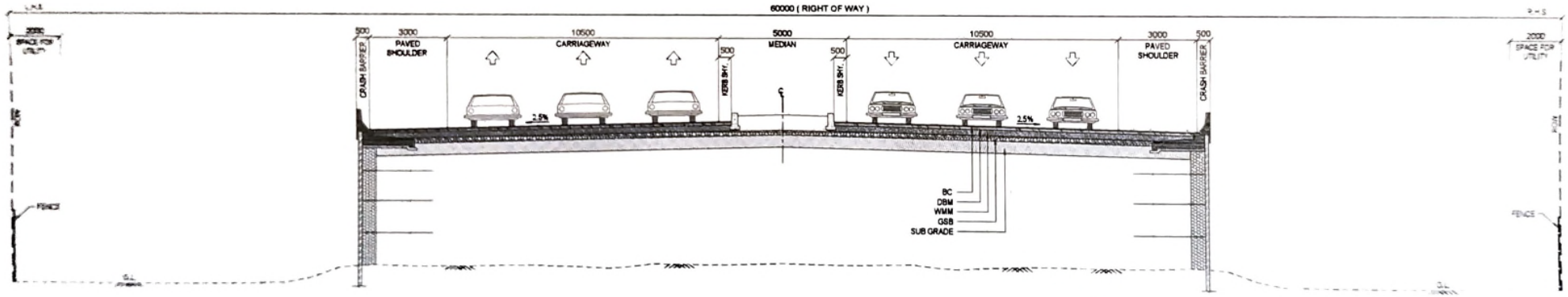
PROJECT:-
Consultancy Services for Preparation of Detailed Project Report for Development of 4/6 Lane Ayodhya Bypass Total length of 67.572 kms (Northern Ayodhya Bypass starting at km 112+540, ending at km 139+928 of NH - 28 and Southern Ayodhya Bypass starting at km 112+540, ending at km 153+281 of NH - 28) under NHDP Phase-VII in the State of Uttar Pradesh.

SCALE	TITLE
NTS	SOUTHERN AYODHYA BYPASS (PACKAGE-2) TYPICAL CROSS SECTION TYPE-1 AND TYPE-1A

JOB No.	DRAWING No.	SHEET	SIZE	REV.
TDD-218008	TDD-218008-RD-FFR-TX-07011		A2	R0



TYPICAL CROSS SECTION : TYPE - 2
6-Lane Carriageway with 7.0m. Service Road / Slip Road
on Both Sides in the Approaches of Grade separated Structures



TYPICAL CROSS SECTION : TYPE - 3
6-Lane Carriageway without Service Road / Slip Road
on Both Side in the Approaches of Grade separated Structures

परियोजना निदेशक
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार
परियोजना कार्यान्वयन इकाई
रायबरेली

KEY PLAN

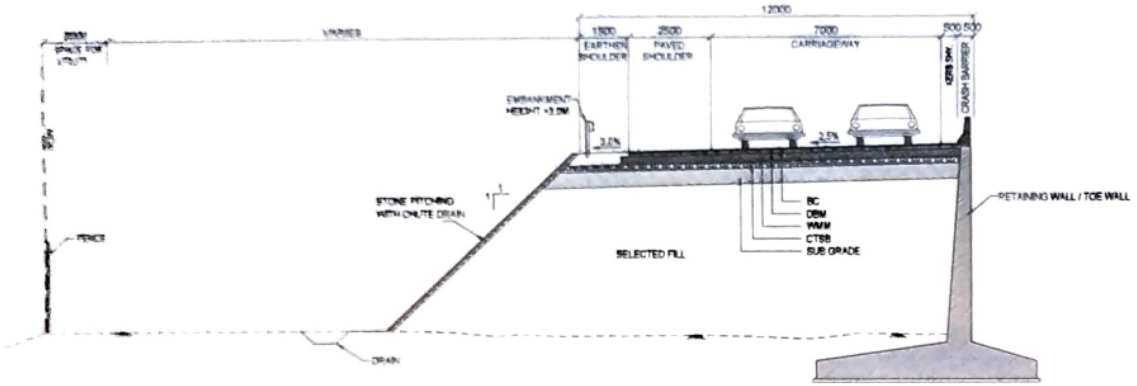
REV.	DATE	DESCRIPTION OF REVISION	BY	DESIGN	CHECK	APPD.
00	[illegible]	FINAL FEASIBILITY REPORT				

CLIENT:-
NATIONAL HIGHWAYS AUTHORITY OF INDIA

CONSULTANT:-
SAI Consulting Engineers Pvt. Ltd.
An ISO 9001 Certified Company

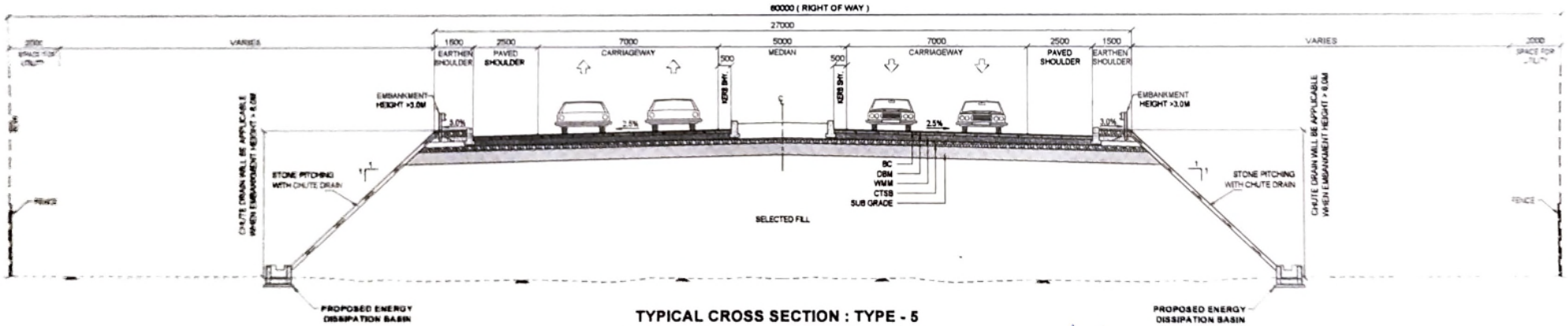
PROJECT:-
Consultancy Services for Preparation of Detailed Project Report for Development of 4/6 Lane Ayodhya Bypass Total length of 67.572 kms (Northern Ayodhya Bypass starting at km 112+540, ending at km 139+928 of NH - 28 and Southern Ayodhya Bypass starting at km 112+540, ending at km 153+281 of NH - 28) under NHDP Phase-VII in the State of Uttar Pradesh.

SCALE	TITLE
NTS	SOUTHERN AYODHYA BYPASS (PACKAGE-2) TYPICAL CROSS SECTION TYPE-2 AND TYPE-3
JOB NO. TDD-218008	DRAWING NO. TDD-218008-RD-FFR-TX-07012
SHEET	SIZE A2
REV. R0	



NOTE:-
1. STONE PITCHING & MCB HEIGHT > 3.0m.
2. BRIDGE APPROACHES CARRIAGEWAY WIDTH VARIES FROM 7.00 TO 10.50 M AS PER GEOMETRY REQUIREMENT

TYPICAL CROSS SECTION : TYPE - 4
2-Lane Carriageway at Ramp Approaches



NOTE:-
1. STONE PITCHING & MCB HEIGHT > 3.0m.
2. BRIDGE APPROACHES CARRIAGEWAY WIDTH VARIES FROM 7.00 TO 10.50 M AS PER GEOMETRY REQUIREMENT

TYPICAL CROSS SECTION : TYPE - 5
4-Lane Carriageway with Paved shoulders on High Embankment locations with chute drains and stone pitching

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परियोजना कार्यान्वयन इकाई
अयोध्या

KEY PLAN

NO.	DATE	DESCRIPTION OF REVISION	BY	CHKD	APPD
1	28/12/2021	FINAL PACKAGE-II REPORT	PK	PK	AA

CLIENT :- NATIONAL HIGHWAYS AUTHORITY OF INDIA

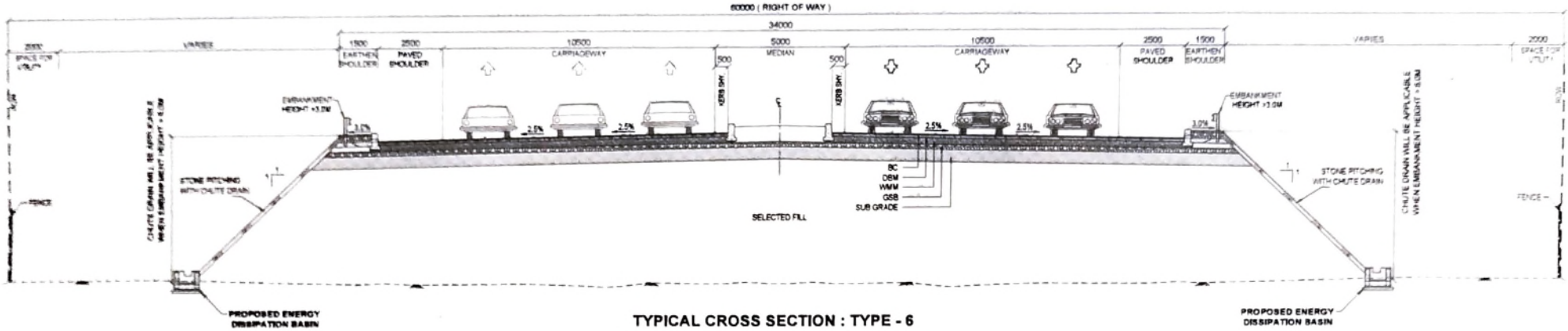
CONSULTANT :- SAI Consulting Engineers Pvt. Ltd. An ISO 9001 Certified Company

PROJECT :- Consultancy Services for Preparation of Detailed Project Report for Development of 4/6 Lane Ayodhya Bypass Total length of 67.572 kms (Northern Ayodhya Bypass starting at km 112+540, ending at km 139+928 of NH - 28 and Southern Ayodhya Bypass starting at km 112+540, ending at km 153+281 of NH - 28 under NNDP Phase-VII in the State of Uttar Pradesh.

SCALE :- NTS

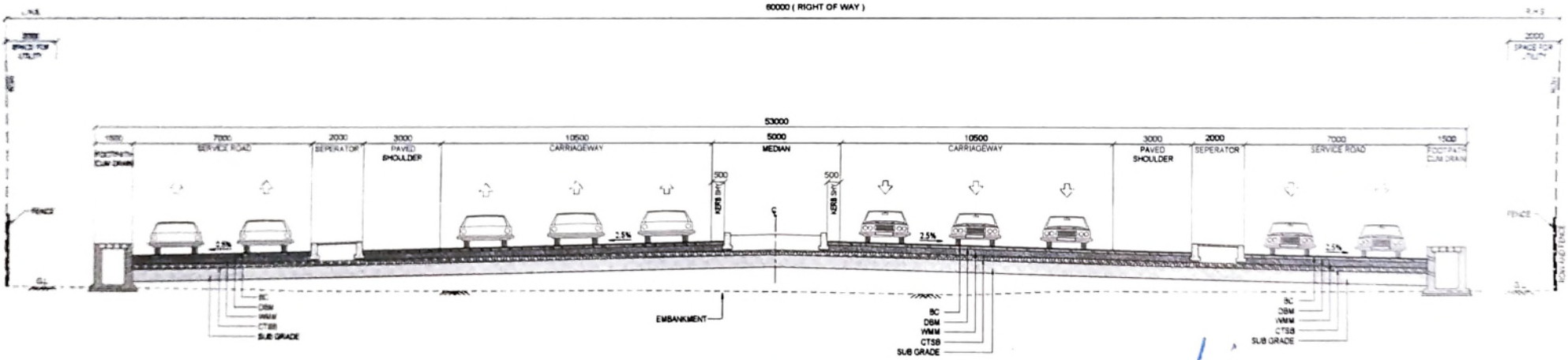
TITLE :- SOUTHERN AYODHYA BYPASS (PACKAGE-2)
TYPICAL CROSS SECTION
TYPE-4 AND TYPE-5

DWG No.	DRAWING No.	SHEET	SIZE	REV.
TOD-218008	TOD-218008-RD-FFR-TX-07013		A2	R0



TYPICAL CROSS SECTION : TYPE - 6
6-Lane Carriageway with Paved shoulders on High Embankment locations with chute drains and stone pitching

NOTE:-
1. STONE PITCHING & MCB HEIGHT > 3.0m
2. BRIDGE APPROACHES CARRIAGEWAY WIDTH VARIES FROM 7.0M TO 10.5M AS PER GEOMETRY REQUIREMENT



TYPICAL CROSS SECTION : TYPE - 7
6-Lane Carriageway with 7.0m. Service Road / Slip Road on Both sides.

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
सड़क परिवहन एवं राजमार्ग मंत्रालय भारत सरकार
परियोजना कार्यान्वयन इकाई
रायबरेली

KEY PLAN

CLIENT:- NATIONAL HIGHWAYS AUTHORITY OF INDIA

CONSULTANT:- SAI Consulting Engineers Pvt. Ltd.

PROJECT:- Consultancy Services for Preparation of Detailed Project Report for Development of 4/6 Lane Ayodhya Bypass Total length of 67.572 kms (Northern Ayodhya Bypass starting at km 112+540, ending at km 139+928 of NH - 28 and Southern Ayodhya Bypass starting at km 112+540, ending at km 153+281 of NH - 28) under NHDP Phase-VII in the State of Uttar Pradesh.

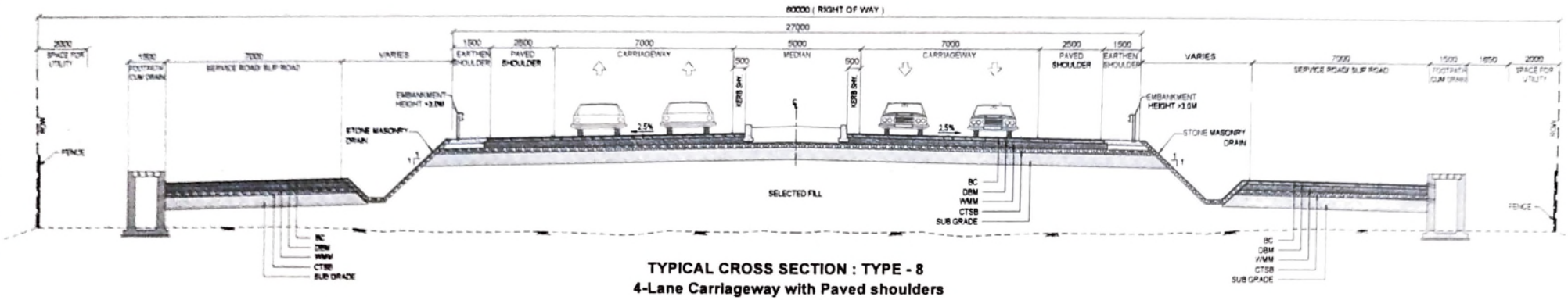
SCALE: NTS

TITLE: SOUTHERN AYODHYA BYPASS (PACKAGE-2) TYPICAL CROSS SECTION TYPE-6 AND TYPE-7

JOB NO: TDD-218008

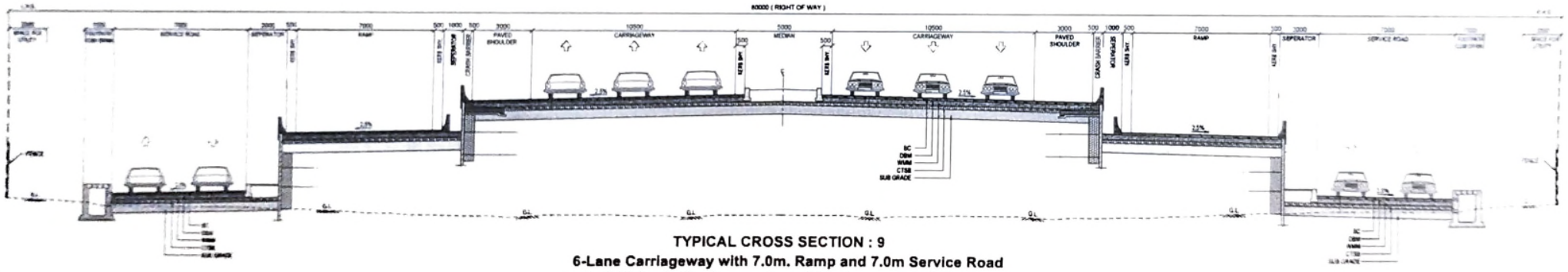
DRAWING No: TDD-218008-RO-FFR-TX-07014

SHEET: SIZE: A2 REV: R0



TYPICAL CROSS SECTION : TYPE - 8
4-Lane Carriageway with Paved shoulders
with 7.0m. Service Road on Both Side

NOTE :-
BRIDGE APPROACHES CARRIAGEWAY WIDTH VARIES FROM
* 09 TO 10.50 M AS PER GEOMETRY REQUIREMENT



TYPICAL CROSS SECTION : 9
6-Lane Carriageway with 7.0m. Ramp and 7.0m Service Road
on Both Sides in the Approaches of Grade separated Structures

परियोजना निदेशक
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार)
परियोजना कार्यान्वयन इकाई
रायबरेली

KEY PLAN

CLIENT :- NATIONAL HIGHWAYS AUTHORITY OF INDIA

CONSULTANT :- SAI Consulting Engineers Pvt. Ltd.

PROJECT :- Consultancy Services for Preparation of Detailed Project Report for Development of 4/6 Lane Ayodhya Bypass Total length of 67.572 kms (Northern Ayodhya Bypass starting at km 112+540, ending at km 139+928 of NH - 28 and Southern Ayodhya Bypass starting at km 112+540, ending at km 153+281 of NH - 28) under NHDP Phase-VII in the State of Uttar Pradesh.

SCALE :- NTS

TITLE :- SOUTHERN AYODHYA BYPASS (PACKAGE-2) TYPICAL CROSS SECTION TYPE-8 AND TYPE-9

JOB NO. :- 100-218008

DRAWING NO. :- TDD-218008-RO-SFR-TX-07015

SHEET NO. :- 43