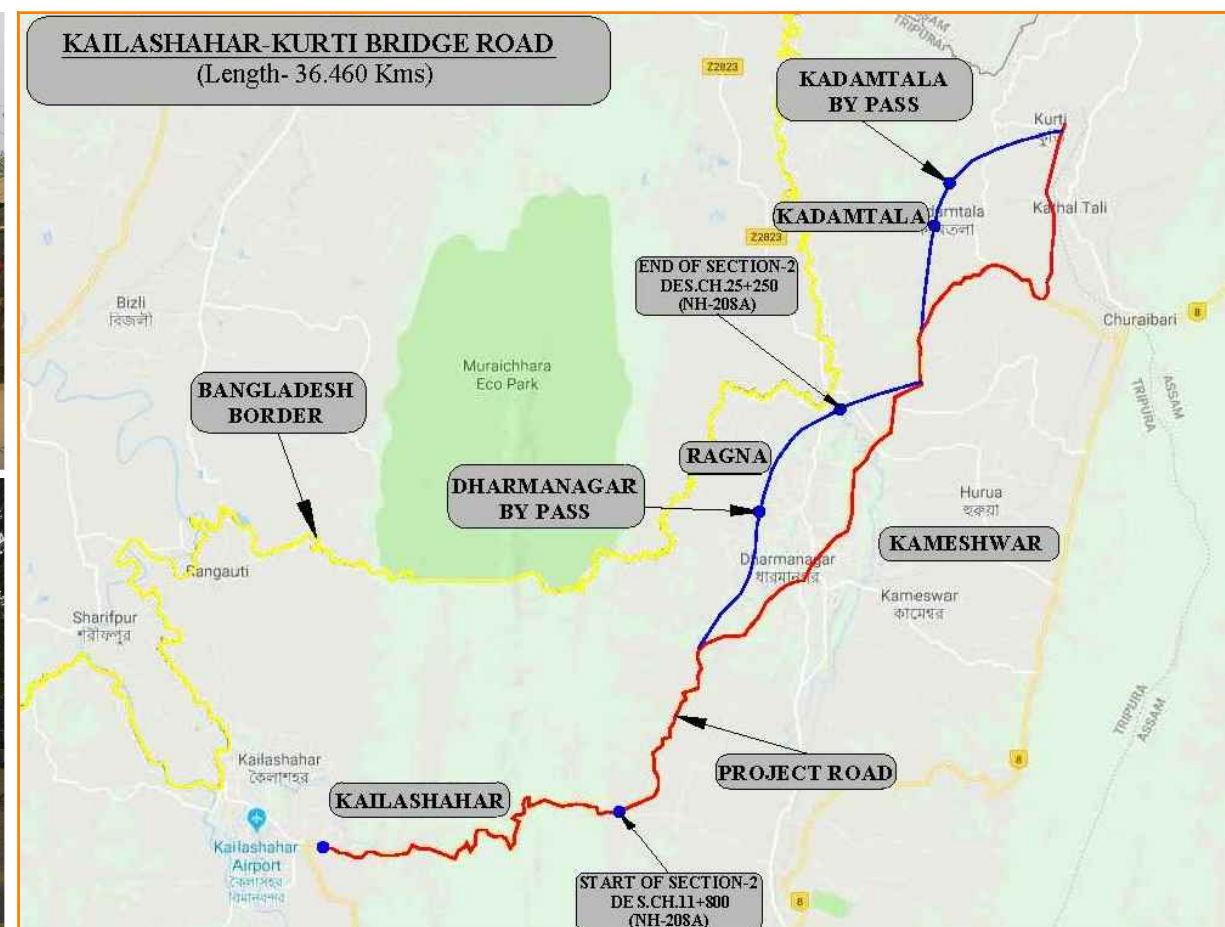


NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD

**CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF (DPR) AND PROVIDING
PRE-CONSTRUCTION SERVICES FOR UP GRADATION OF SELECTED ROAD STRETCHES /
CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA
PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST
PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.**

**(PKG-2 KAILASHAHAR TO KURTI BRIDGE)
(SECTION:2- DES.CH.-11+800 TO 25+250)**



CLIENT:-



**NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD**

(DRAWING VOLUME)

DRAFT DETAIL PROJECT REPORT

DECEMBER- 2019

CONSULTANT:-



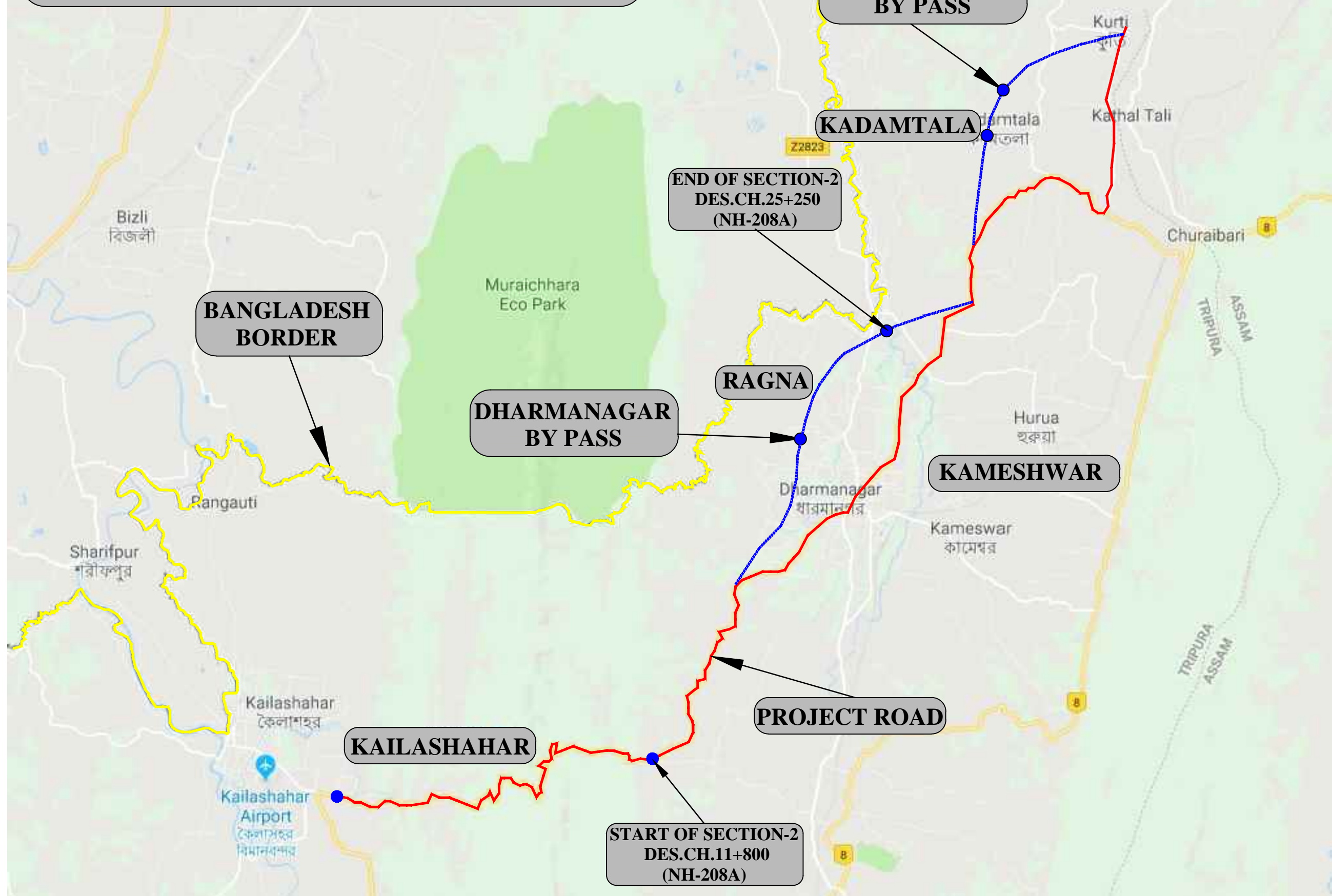
Technocrats Advisory Services Private Limited
in association with Vaishnavi Infratech Services P. Ltd
68,Ajanta Apartments, 36, I.P. Extension
Patparganj Delhi-110092.

KEY PLAN



KAILASHAHAR-KURTI BRIDGE ROAD

(Length- 36.460 Kms)



Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-2

CLIENT



NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD

Drawing Title:

KEY PLAN

Drawing No. :- TASPL/NHIDCL/FDPR/KEY PLAN/01

Sheet :

01 OF 01

Scale :- NTS

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Dgn.

Appd

Date

Deepak

B.Mishra

B.S.Pandey

DEC - 2019

CONSULTANT:



Technocrats Advisory Services Private Limited
in association with Vaishnavi Infratech Services P. Ltd
68, Ajanta Apartments, 36, I.P. Extension
Patparganj Delhi-110092.

WIDENING SCHEME



Sl. No	Design Chainage		Bridge Length (km)	Length (km)	TCS Type	Description
	From (Km)	To (Km)				
1	11.800	12.150	0.000	0.350	TCS-2	Two lane with PS over exisitng road
2	12.150	13.600		1.450	TCS-3	Two lane with PS with RCC drain
3	13.600	16.050		2.450	TCS-1	Two lane with Paved Shoulder (New Construction)
4	16.050	16.075		0.025	TCS-6	Two lane with PS (Retaining wall in pond location)
5	16.075	16.300	0.050	0.175	TCS-1	Two lane with Paved Shoulder (New Construction)
6	16.300	16.315		0.015	TCS-6	Two lane with PS (Retaining wall in pond location)
7	16.315	17.630	0.010	1.305	TCS-1	Two lane with Paved Shoulder (New Construction)
8	17.630	17.655		0.025	TCS-6	Two lane with PS (Retaining wall in pond location)
9	17.655	17.660		0.005	TCS-1	Two lane with Paved Shoulder (New Construction)
10	17.660	17.690		0.030	TCS-6	Two lane with PS (Retaining wall in pond location)
11	17.690	17.700		0.010	TCS-1	Two lane with Paved Shoulder (New Construction)
12	17.700	17.745		0.045	TCS-6	Two lane with PS (Retaining wall in pond location)
13	17.745	18.400		0.655	TCS-3	Two lane with PS with RCC drain
14	18.400	20.270		1.870	TCS-1	Two lane with Paved Shoulder (New Construction)
15	20.270	20.300		0.030	TCS-6	Two lane with PS (Retaining wall in pond location)
16	20.300	22.150		1.850	TCS-1	Two lane with Paved Shoulder (New Construction)
17	22.150	22.170		0.020	TCS-6	Two lane with PS (Retaining wall in pond location)
18	22.170	22.250		0.080	TCS-1	Two lane with Paved Shoulder (New Construction)
19	22.250	22.275		0.025	TCS-6	Two lane with PS (Retaining wall in pond location)
20	22.275	23.000		0.725	TCS-1	Two lane with Paved Shoulder (New Construction)
21	23.000	23.035		0.035	TCS-6	Two lane with PS (Retaining wall in pond location)
22	23.035	25.200		2.165	TCS-1	Two lane with Paved Shoulder (New Construction)
23	25.200	25.225		0.025	TCS-6	Two lane with PS (Retaining wall in pond location)
24	25.225	25.250		0.025	TCS-1	Two lane with Paved Shoulder (New Construction)
	Total..		0.060	13.390		
				10660	TCS-1	Two lane with Paved Shoulder
				350	TCS-2	Two lane with PS over exisitng road
				2105	TCS-3	Two lane with PS with RCC drain
				0	TCS-4	Two lane with PS (with Protection Works)
				0	TCS-5	Two lane with PS with Protections Works (Both Side)
				275	TCS-6	Two lane with Paved Shoulder



Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-2

CLIENT:



NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD

Drawing Title:

WIDENING SCHEME OF
KAILASHAHAR - KURTI BRIDGE SECTION

Drawing No. :- TASPL/NHIDCL/DDPR/WS

Sheet :

Scale :- NTS

01 OF 01

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Dgn.

Appd

Date

Deepak

B.Mishra

B.S.Pandey

DEC - 2019

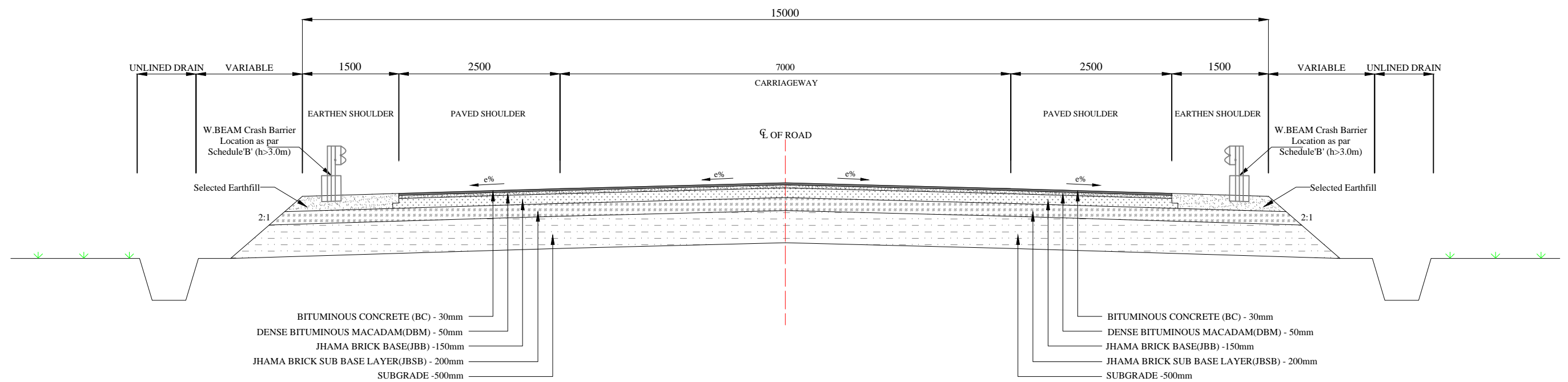
CONSULTANT:



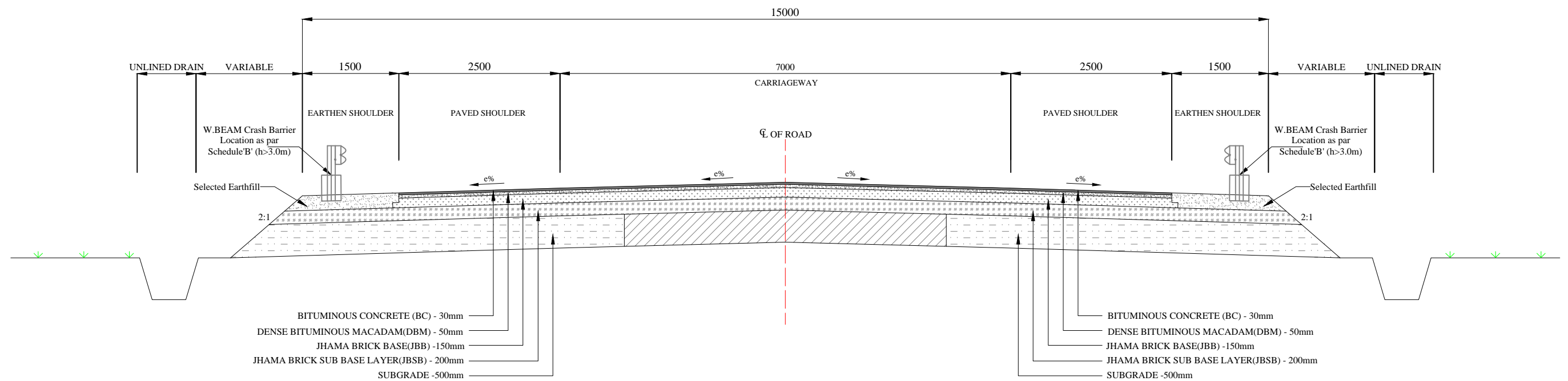
Technocrats Advisory Services Private Limited
in association with Vaishnavi Infratech Services P. Ltd
68,Ajanta Apartments, 36, I.P. Extension
Patparganj Delhi-110092.

TYPICAL CROSS SECTION





TYPE- 1 TWO LANE WITH PAVED SHOULDER (New Construction)



TYPE- 2 TWO LANE WITH PAVED SHOULDER OVER EXISTING ROAD



Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-2

CLIENT



NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD

Drawing Title:

TYPICAL CROSS SECTION

Drawing No. :- TASPL/NHIDCL/DDPR/TCS/03

Sheet :

Scale :- NTS

01 OF 03

Drn

Dgn.

Appd

Date

Deepak

B.Mishra

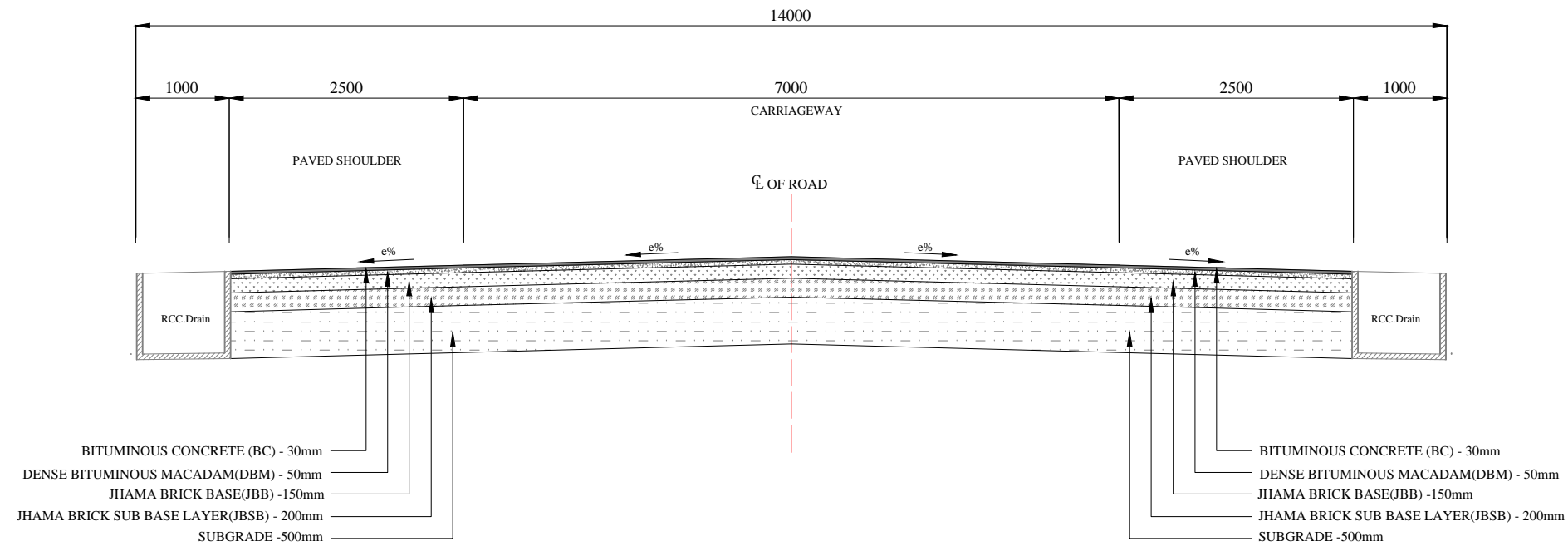
B.S.Pandey

DEC- 2019

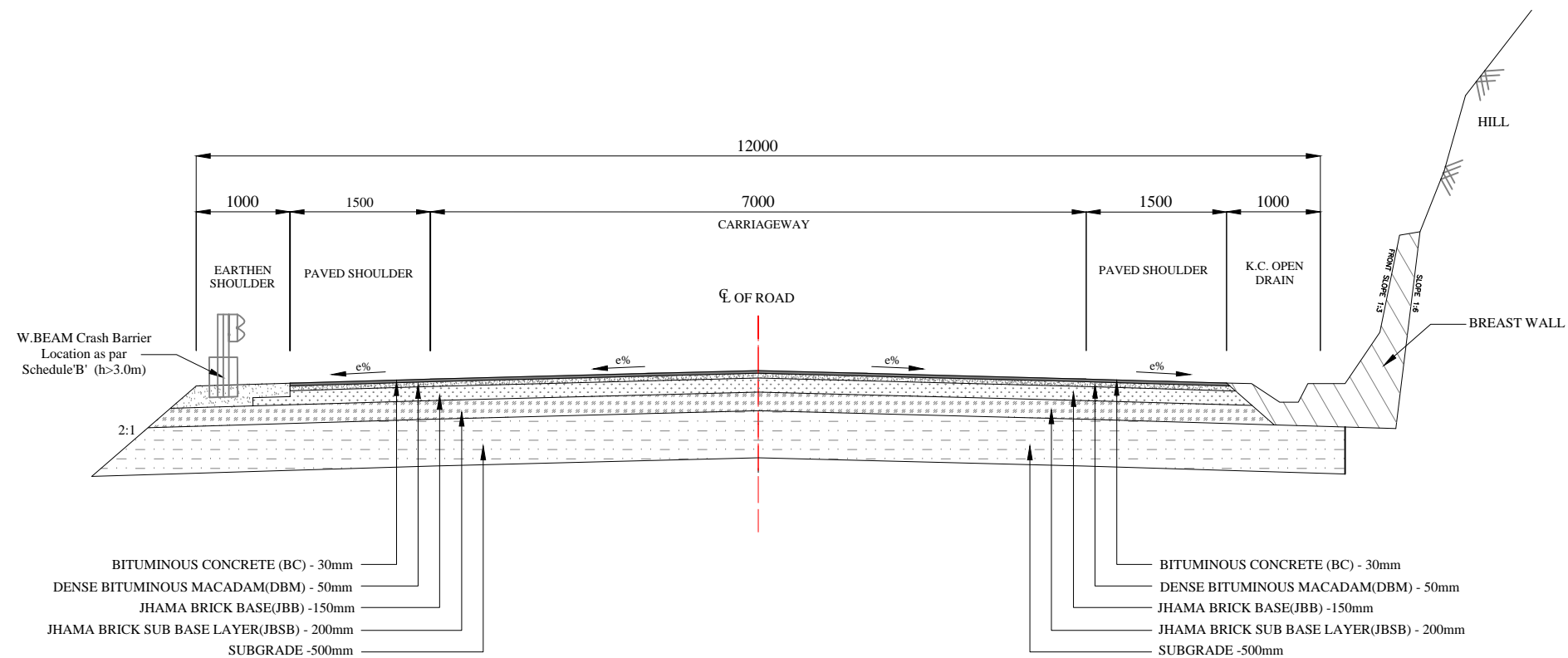
CONSULTANT:



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68,Ajanta Apartments, 36, I.P. Extension
Patparganj Delhi-110092.



TYPE- 3 TWO LANE WITH PAVED SHOULDER WITH RCC DRAIN (Built-up Section)



TYPE- 4 TWO LANE WITH PAVED SHOULDER (WITH PROTECTIONS WORKS)



Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-2

CLIENT



NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD

Drawing Title:

TYPICAL CROSS SECTION

Drawing No. :- TASPL/NHIDCL/DDPR/TCS/03

Sheet :

Scale :- NTS

02 OF 03

Drn

Dgn.

Appd

Date

Deepak

B.Mishra

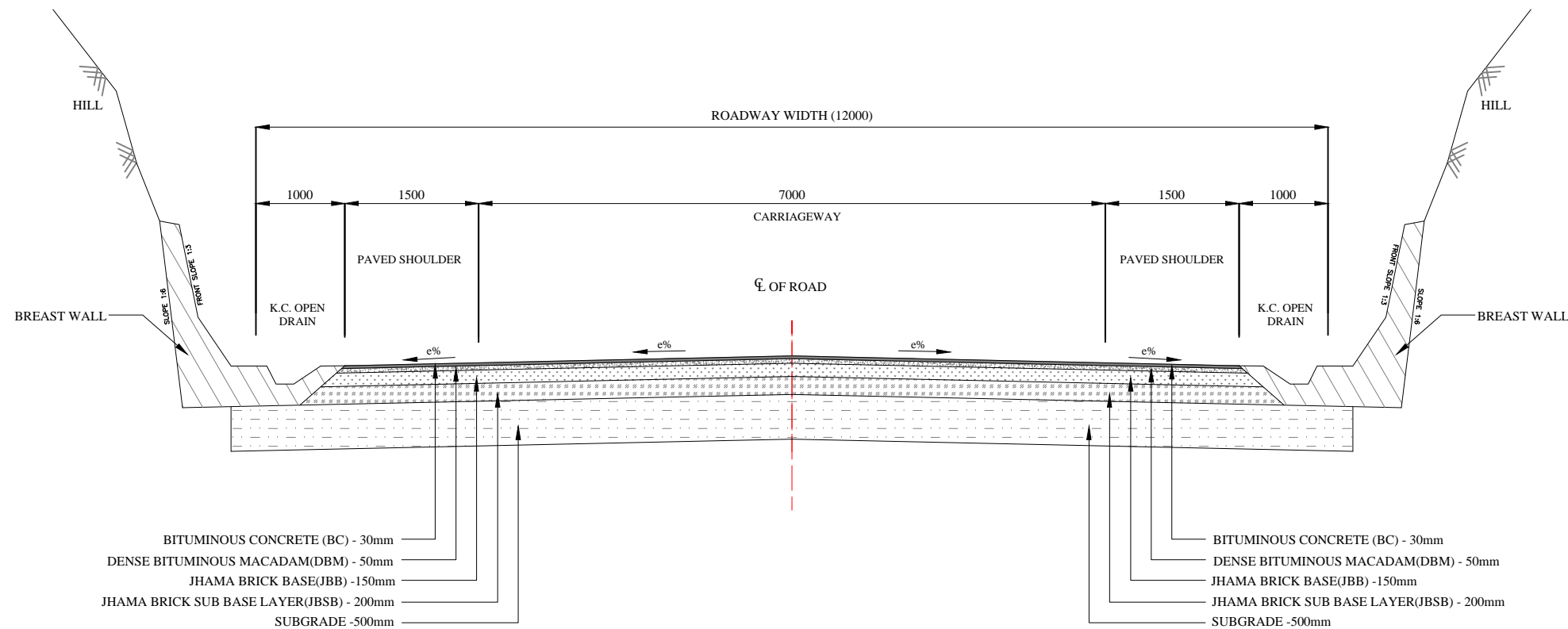
B.S.Pandey

DEC- 2019

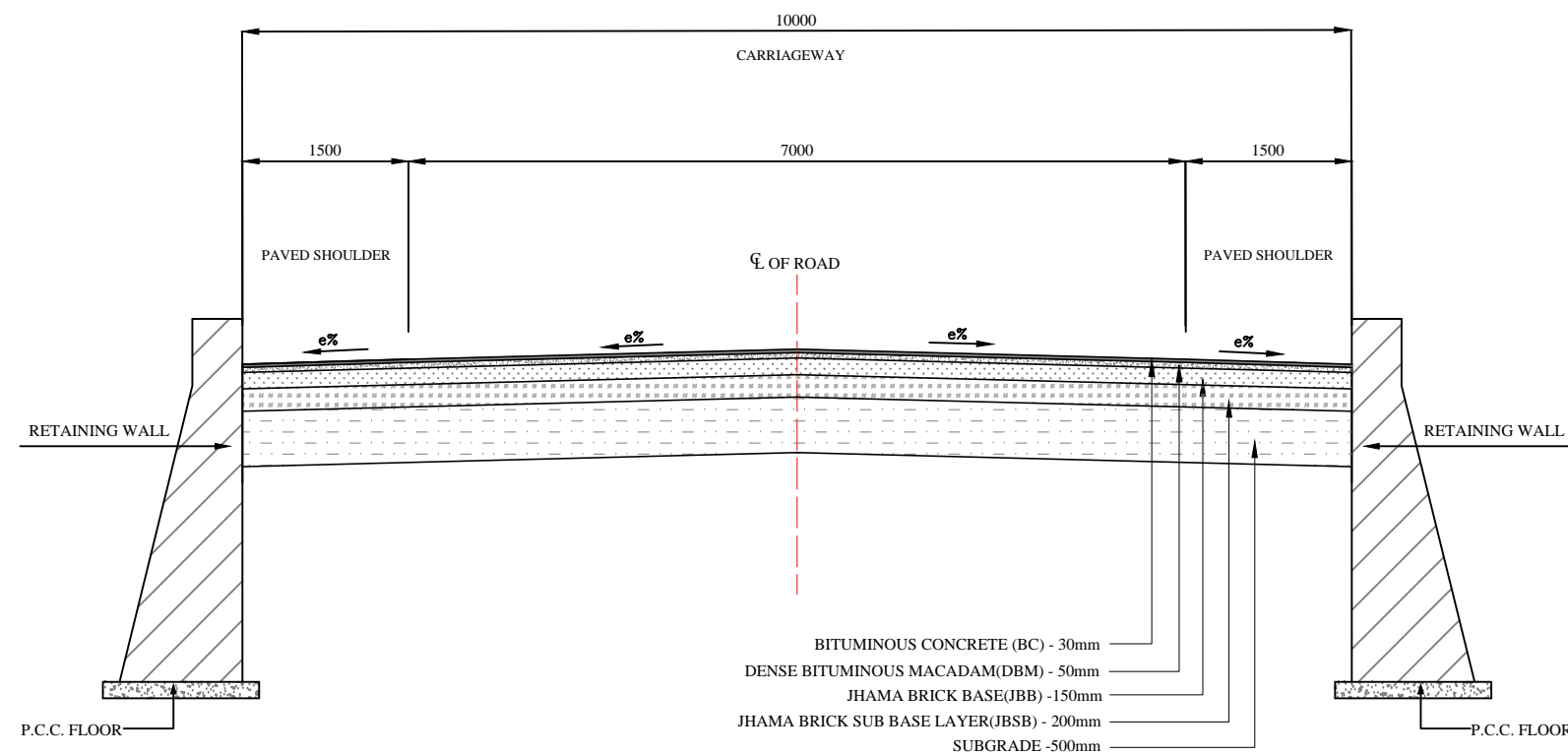
CONSULTANT:



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68,Ajanta Apartments, 36, I.P. Extension
Patparganj Delhi-110092.



TYPE- 5 TWO LANE WITH PAVED SHOULDER (WITH PROTECTIONS WORKS (Both Side)



Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-2

CLIENT



NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD

Drawing Title:

TYPICAL CROSS SECTION

Drawing No. :- TASPL/NHIDCL/DDPR/TCS/03

Sheet :

Scale :- NTS

03 OF 03

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Dgn.

Appd

Date

Deepak

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B.S.Pandey

DEC- 2019

CONSULTANT:



Technocrats Advisory Services Private Limited
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68, Ajanta Apartments, 36, I.P. Extension
Patparganj Delhi-110092.

HORIZONTAL REPORT



HORIZONTAL ALIGNMENT REPORT [Kailashahar-Kurtibridge]															
Curve No.	HORIZONTAL CURVE								Terrain	Horizontal Intersection Point (HIP)			Transitio n length	Speed	Reason for Deviation
	Start Chainage	End Chainage	Start Easting	Start Northing	End Easting	End Northing	Radius	Directio n		Chainage	Easting	Northing		(Kmph)	
57	11+944.153	12+049.804	408849.753	2689480.649	408934.679	2689426.344	100	Left	Hilly	12+002.510	408876.37	2689428.716	20	40	
58	12+534.134	12+603.903	409417.613	2689459.879	409484.378	2689479.824	400	Left	Hilly	12+569.107	409451.868	2689466.932	115	100	
59	13+117.660	13+179.361	409932.804	2689730.118	409988.478	2689756.682	800	Right	Plain	13+148.526	409960.129	2689744.474	60	100	
60	13+577.328	14+088.041	410358.88	2689902.134	410585.138	2690321.743	400	Left	Plain	13+874.146	410627.694	2690027.992	55	80	
61	14+859.284	15+214.760	410425.372	2691076.201	410477.816	2691422.552	600	Right	Plain	15+042.410	410398.739	2691257.38	80	100	
62	17+090.776	17+951.930	411397.182	2693057.811	411578.044	2693887.707	1500	Left	Plain	17+533.582	411610.108	2693446.063	35	100	
63	20+589.324	20+853.623	411356.616	2696515.788	411355.985	2696779.85	1800	Right	Plain	20+721.711	411346.59	2696647.796	30	100	
64	21+650.904	21+881.731	411419.523	2697574.592	411469.733	2697799.367	1000	Right	Plain	21+766.833	411431.599	2697689.89	50	100	
65	22+477.865	22+636.423	411681.1	2698356.732	411764.942	2698490.765	600	Right	Plain	22+557.609	411714.114	2698429.32	80	100	
66	24+461.681	25+770.596	413018.210	2699817.701	414175.937	2700364.282	1800.000	Right	Plain	25+146.588	413493.086	2700311.251	30.000	100.000	




Project Title:
CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.
KAILASHAHAR - KURTI BRIDGE SECTION-2

CLIENT:

NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD

Drawing Title:
HORIZONTAL REPORT
Drawing No. :- TASPL/NHIDCL/DDPR/HR/04
Scale :- NTS
Drn Dgn. Appd Date
Deepak B.Mishra B.S.Pandey DEC - 2019

CONSULTANT:

Technocrats Advisory Services Private Limited
in association with Vaishnavi Infratech Services P. Ltd
68,Ajanta Apartments, 36, I.P. Extension
Patparganj Delhi-110092.

VERTICAL REPORT



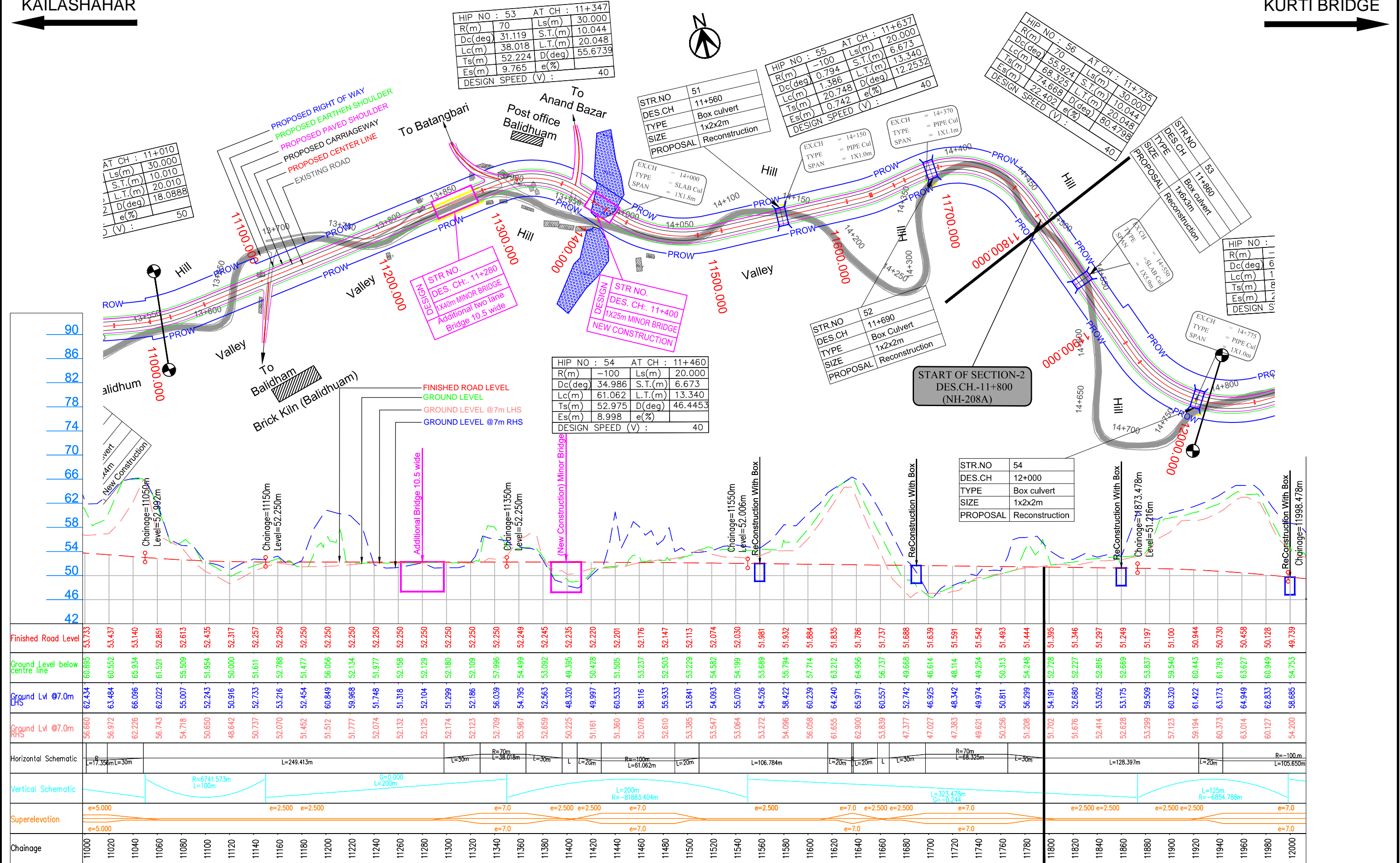
VERTICAL ALIGNMENT REPORT [Kailashahar-Kurtibridge]											
PVI	PVI		Curve Length	Gradient		Chainage(m)		Level (m)		Type Of Curve	K Value
No	Design Chainage (m)	Level (m)		IN	OUT	Start of Curve	End of Curve	Start of Curve	End of Curve		
22	11+935.978	51.063	125	-0.244	-2.068	11+873.478	11+998.478	51.216	49.771	Hog	68.548
23	12+223.207	45.124	200	-2.068	0.021	12+123.207	12+323.207	47.191	45.145	Sag	95.744
24	13+580.000	45.41	300	0.021	0.362	13+430.000	13+730.000	45.378	45.953	Sag	879.99
25	14+308.355	48.047	400	0.362	0.849	14+108.355	14+508.355	47.323	49.745	Sag	821.474
26	15+008.667	53.992	475	0.849	-2.047	14+771.167	15+246.167	51.976	49.131	Hog	164.032
27	15+588.488	42.124	250	-2.047	0.58	15+463.488	15+713.488	44.683	42.849	Sag	95.18
28	16+041.427	44.75	150	0.58	0	15+966.427	16+116.427	44.315	44.75	Hog	258.724
29	16+273.925	44.75	125	0	-0.329	16+211.425	16+336.425	44.75	44.544	Hog	379.408
30	16+564.067	43.794	200	-0.329	1.961	16+464.067	16+664.067	44.124	45.755	Sag	87.326
31	16+915.044	50.676	200	1.961	-0.065	16+815.044	17+015.044	48.715	50.611	Hog	98.732
32	16+883.370	50.055	150	1.961	-2.837	16+808.370	16+958.370	48.584	47.927	Hog	31.261
33	17+137.550	42.843	100	-2.837	-0.75	17+087.550	17+187.550	44.262	42.468	Sag	47.917
34	17+401.953	40.859	250	-0.75	0.44	17+276.953	17+526.953	41.797	41.409	Sag	210.003
35	18+080.000	43.843	400	0.44	-1.025	17+880.000	18+280.000	42.963	41.793	Hog	272.98
36	19+210.000	32.258	350	-1.025	0.881	19+035.000	19+385.000	34.052	33.8	Sag	183.586
37	20+020.337	39.399	400	0.881	0.029	19+820.337	20+220.337	37.637	39.457	Hog	469.392
38	21+282.710	39.766	500	0.029	-0.286	21+032.710	21+532.710	39.693	39.052	Hog	1588.371
39	22+640.003	35.888	300	-0.286	-0.596	22+490.003	22+790.003	36.317	34.994	Hog	966.591
40	23+756.455	29.233	300	-0.596	-0.163	23+606.455	23+906.455	30.127	28.989	Sag	692.503
41	24+356.921	28.255	350	-0.163	-0.44	24+181.921	24+531.921	28.54	27.484	Hog	1261.461

PLAN AND PROFILE



KAILASHAHAR

KURTI BRIDGE



LEGEND :

- Design
- Structure
- Existing Road
- Pond/River

Project Title:-

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-2

CLIENT:

NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD

Drawing Title:

PLAN & PROFILE
DES.CH. 11+000 TO 12+000

Drawing No. :- TASPL/NHIDCL/DDPR/P&P

Scale :- 1:2000

Drn Deepak

Dgn. B.Mishra

Appd B.S Pandey

Sheet : 01 OF 15

Date DEC - 2019

CONSULTANT:

TASPL

Technocrats Advisory Services Private Limited
in association with Vaishnavi Infratech Services P. Ltd
Flat No. 68, Ajanta Apartment, 36 I.P.Extension
Patparganj, Delhi-110092

KAILASHAHAR

KURTI BRIDGE



HIP NO : 57	AT CH : 12+003
R(m) -100	Ls(m) 20.000
Dc(deg) 60.533	S.T.(m) 6.673
Lc(m) 105.650	L.T.(m) 13.340
Ts(m) 82.762	D(deg) 71.9924
Es(m) 23.807	e(%) 40
DESIGN SPEED (V) :	

EX.CH	= 15+000
TYPE	= PIPE Cul
SPAN	= 1X1.0m

EX.CH	= 15+150
TYPE	= PIPE Cul
SPAN	= 1X1.0m

STR.NO	56
DES.CH	12+710
TYPE	Box culvert
SIZE	1x3x4m
PROPOSAL	Reconstruction

Tower (Airtel)
Anand Bazaar

EX.CH	= 15+620
TYPE	= SLAB Cu
SPAN	= 1X2.0m

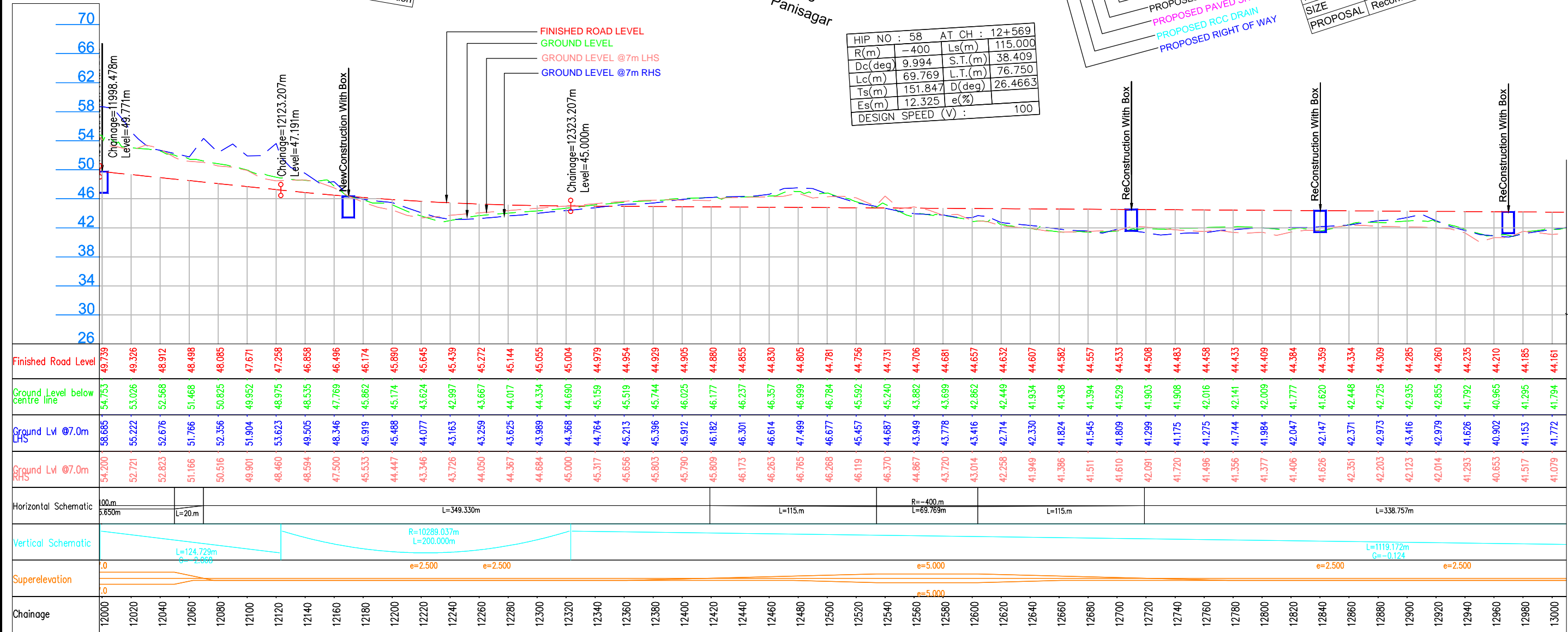
EX.CH	= 15+750
TYPE	= PIPE Cul
SPAN	= 2X1.0m

STR.NO	55
DES.CH	12+170
TYPE	Box Culvert
SIZE	1x2x3m
PROPOSAL	New Construction

HIP NO : 58	AT CH : 12+569
R(m) -400	Ls(m) 115.000
Dc(deg) 9.994	S.T.(m) 38.409
Lc(m) 69.769	L.T.(m) 76.750
Ts(m) 151.847	D(deg) 26.4663
Es(m) 12.325	e(%) 100
DESIGN SPEED (V) :	

STR.NO	57
DES.CH	12+840
TYPE	Box Culvert
SIZE	1x3x4m
PROPOSAL	Reconstruction

STR.NO	58
DES.CH	12+970
TYPE	Box culvert
SIZE	1x3x4m
PROPOSAL	Reconstruction



LEGEND :

- Design
- Structure
- Existing Road
- Pond/River

Project Title:-

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-2

CLIENT:

NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD

Drawing Title:

PLAN & PROFILE
DES.CH. 12+000 TO 13+000

Drawing No. :- TASPL/NHIDCL/DDPR/P&P

Scale :- 1:2000

Drn Deepak **Dgn.** B.Mishra **Appd** B.S Pandey

Sheet : 02 OF 15

Date DEC - 2019

CONSULTANT:

TASPL

Technocrats Advisory Services Private Limited
in association with Vaishnavi Infratech Services P. Ltd
Flat No. 68, Ajanta Apartment, 36 I.P.Extension
Patparganj, Delhi-110092

KAILASHAHAR

KURTI BRIDGE

EX.CH = 15+750
TYPE = PIPE Cul
SPAN = 2X1.0m

PROW
15+700
15+750
15+800
15+850
15+900
15+950

PROW
16+000
16+050
16+100
16+150
16+200
16+250
16+300
16+350
16+400
16+450
16+500
16+550
16+600
16+650
16+700

PROW
13000.000
13100.000
13200.000
13300.000
13400.000
13500.000
13600.000
13700.000
13800.000
13900.000
14000.000

R.NO 58
S.CH 12+970
PE Box culvert
E 1x3x4m
OPOSAL Reconstruction

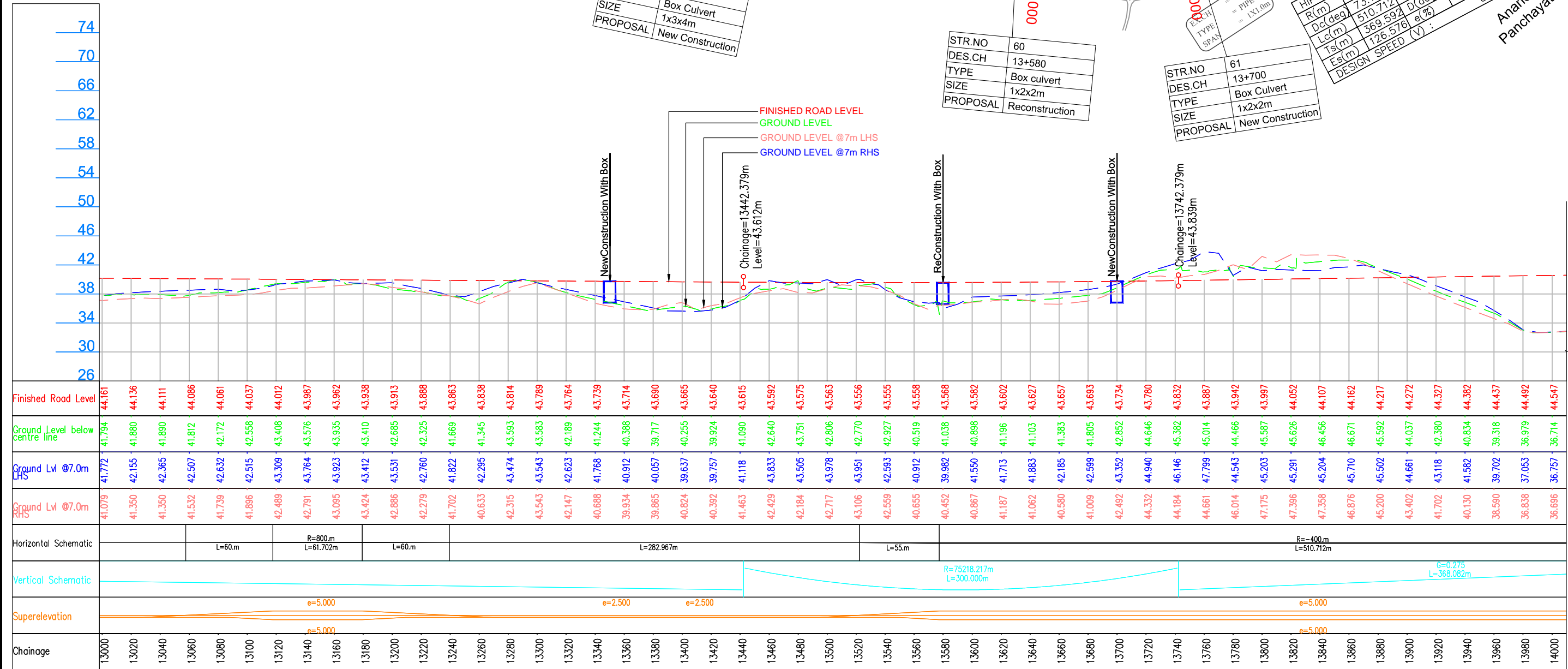
HIP NO : 59 AT CH : 13+149
R(m) 800 Ls(m) 60.000
Dc(deg) 4.419 S.T.(m) 20.003
Lc(m) 61.702 L.T.(m) 40.003
Ts(m) 90.981 D(deg) 8.7163
Es(m) 2.508 e(%)
DESIGN SPEED (V) : 100

STR.NO 59
DES.CH 13+350
TYPE Box Culvert
SIZE 1x3x4m
PROPOSAL New Construction

STR.NO 60
DES.CH 13+580
TYPE Box culvert
SIZE 1x2x2m
PROPOSAL Reconstruction

STR.NO 61
DES.CH 13+700
TYPE Box Culvert
SIZE 1x2x2m
PROPOSAL New Construction

HIP NO : 60 AT CH : 13+874
R(m) 400 Ls(m) 55.000
Dc(deg) 73.154 S.T.(m) 18.342
Lc(m) 510.712 L.T.(m) 36.676
Ts(m) 369.592 D(deg) 81.0323
Es(m) 126.576 e(%)
DESIGN SPEED (V) : 80



LEGEND :

- Design
- Structure
- Existing Road
- Pond/River

Project Title:-

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-2

CLIENT:

NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD

Drawing Title:

PLAN & PROFILE
DES.CH. 13+000 TO 14+000

Drawing No. :- TASPL/NHIDCL/DDPR/P&P

Scale :- 1:2000

Drn Deepak **Dgn.** B.Mishra **Appd** B.S Pandey

Sheet : 03 OF 15

Date DEC - 2019

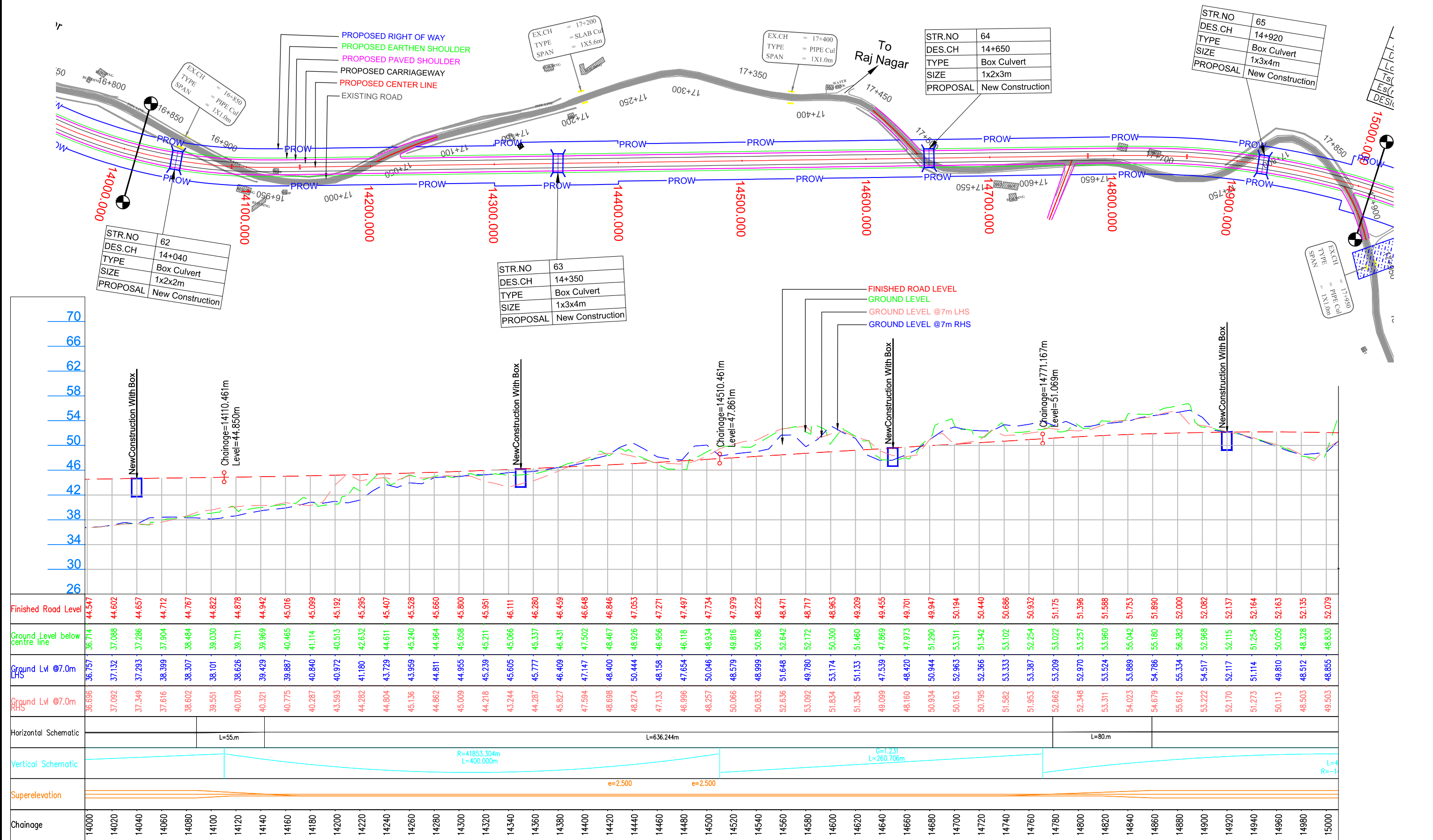
CONSULTANT:

TASPL

Technocrats Advisory Services Private Limited
in association with Vaishnavi Infratech Services P. Ltd
Flat No. 68, Ajanta Apartment, 36 I.P.Extension
Patparganj, Delhi-110092

KAILASHAHAR

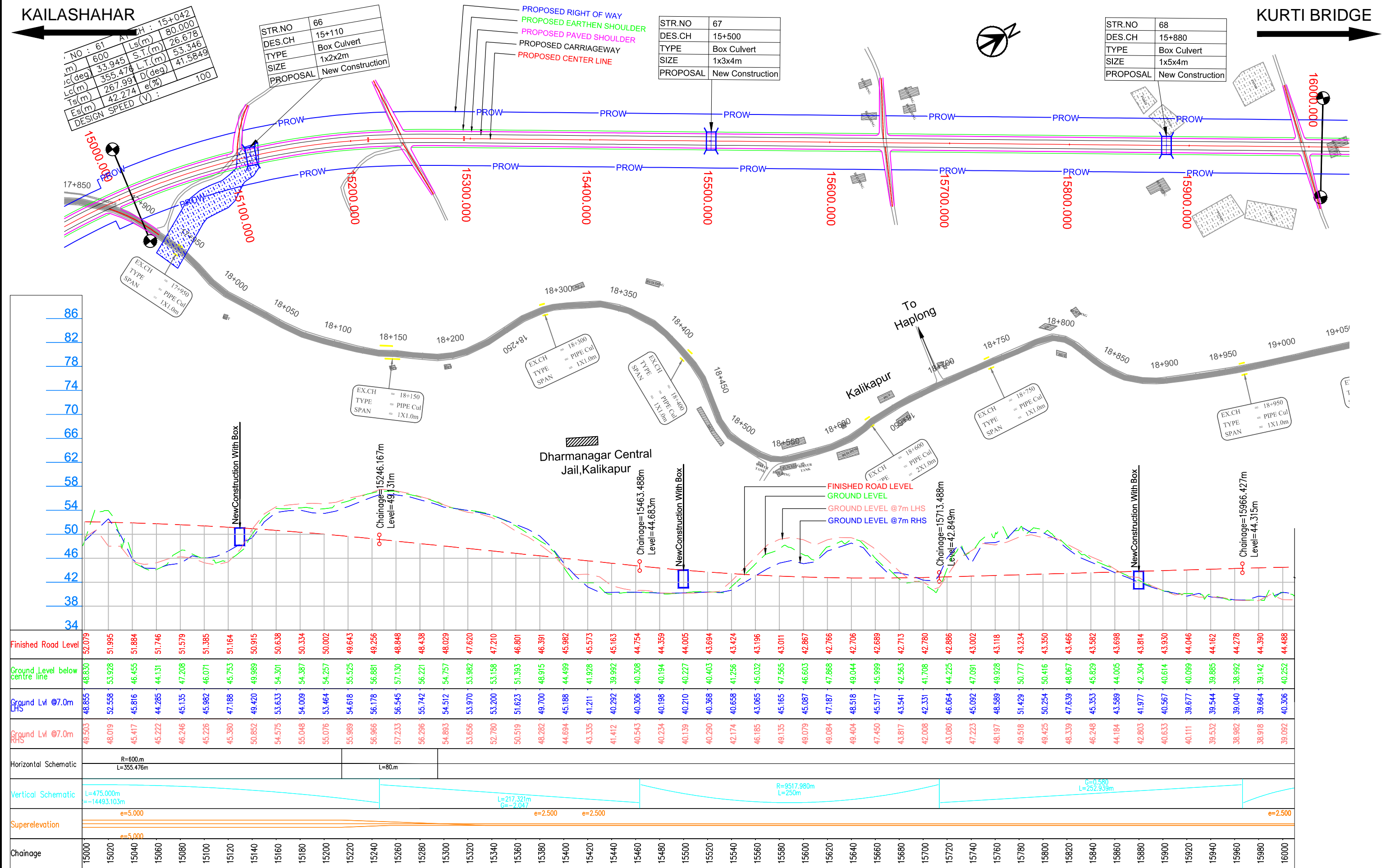
KURTI BRIDGE



LEGEND :		Project Title:-		CLIENT:		Drawing Title:		CONSULTANT:	
Design	PROW	CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.		NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD		PLAN & PROFILE DES.CH. 14+000 TO 15+000		TASPL Technocrats Advisory Services Private Limited in association with Vaishnavi Infotech Services P. Ltd Flat No. 68, Ajanta Apartment, 36 I.P.Extension Patparganj, Delhi-110092	
Structure	PROW								
Existing Road	PROW								
Pond/River	PROW								
Project Title:-		CLIENT:		Drawing Title:		CONSULTANT:			
CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.		NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD		PLAN & PROFILE DES.CH. 14+000 TO 15+000		TASPL Technocrats Advisory Services Private Limited in association with Vaishnavi Infotech Services P. Ltd Flat No. 68, Ajanta Apartment, 36 I.P.Extension Patparganj, Delhi-110092			
KAILASHAHAR - KURTI BRIDGE SECTION-2									

KAILASHAHAR

KURTI BRIDGE



LEGEND :

Design

Structure

Existing Road

Pond/River

Project Title:-

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-2

CLIENT:

NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD

Drawing Title:

PLAN & PROFILE

DES.CH. 15+000 TO 16+000

Drawing No. :- TASPL/NHIDCL/DDPR/P&P

Scale :- 1:2000

Drn Dgn Appd

Deepak B.Mishra B.S Pandey

CONSULTANT:

TASPL

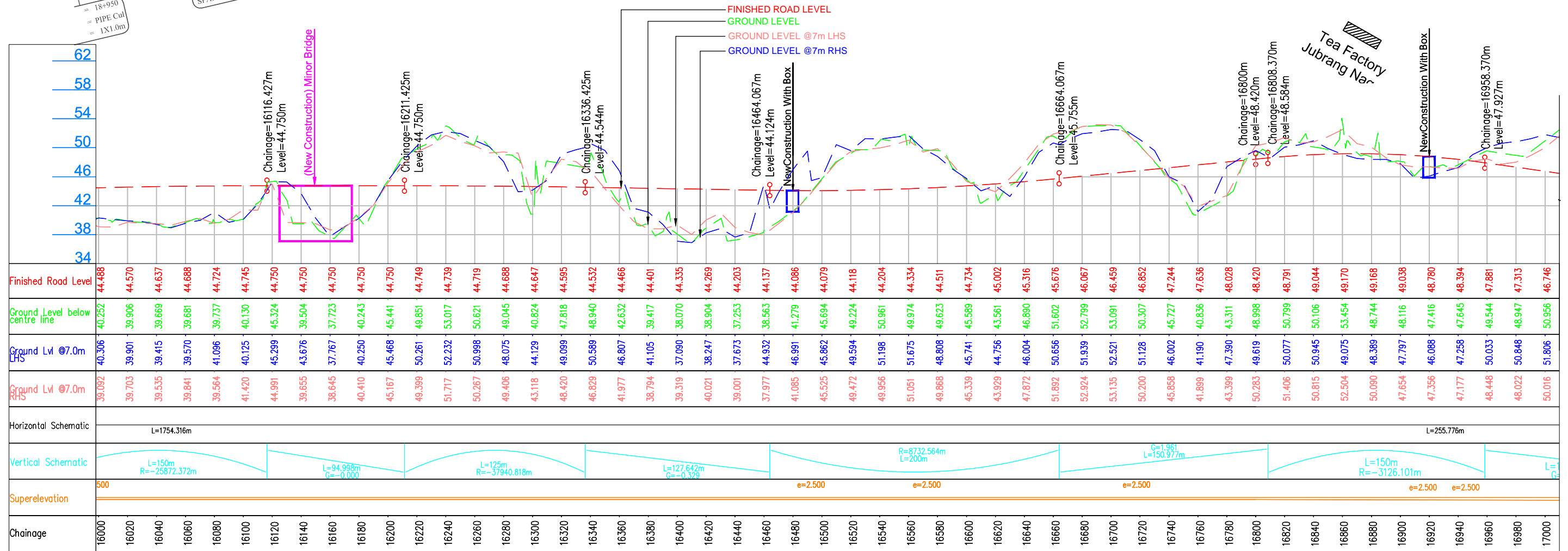
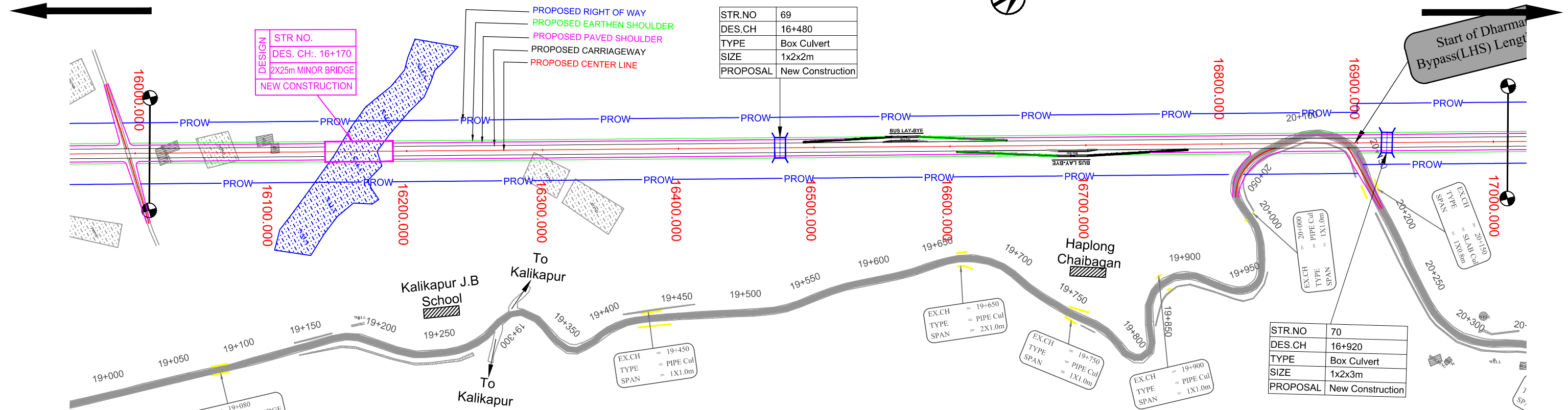
Technocrats Advisory Services Private Limited

in association with Vaishnavi Infratech Services P. Ltd

Flat No. 68, Ajanta Apartment, 36 I.P.Extension Patparganj, Delhi-110092

KAILASHAHAR

KURTI BRIDGE



LEGEND:

Design

Structure

Existing Road

Pond/River

Project Title:-

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-2

CLIENT:

NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD

Drawing Title:

PLAN & PROFILE

DES. CH. 16+000 TO 17+000

Drawing No. :-

TASPL/NHIDCL/DDPR/P&P

Scale :-

1:2000

Drn

Dgn

Appd

Deepak

B. Mishra

B. S. Pandey

Sheet :

17 OF 15

Date

DEC - 2019

CONSULTANT:

TASPL

Technocrats Advisory Services Private Limited

in association with Vaishnavi Infratech Services P. Ltd

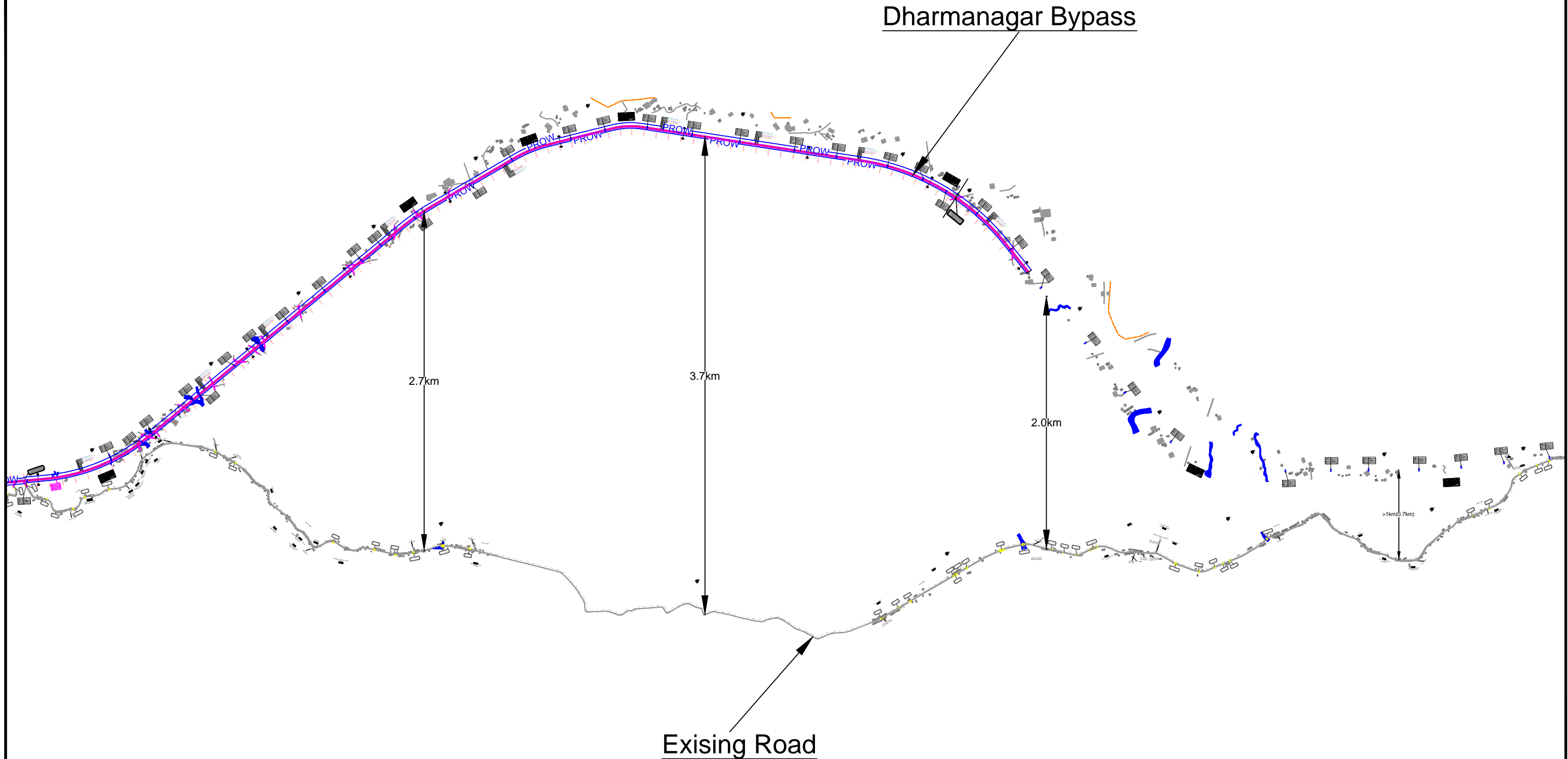
Flat No. 68, Ajanta Apartment, 36 I.P. Extension




Patparganj, Delhi-110092

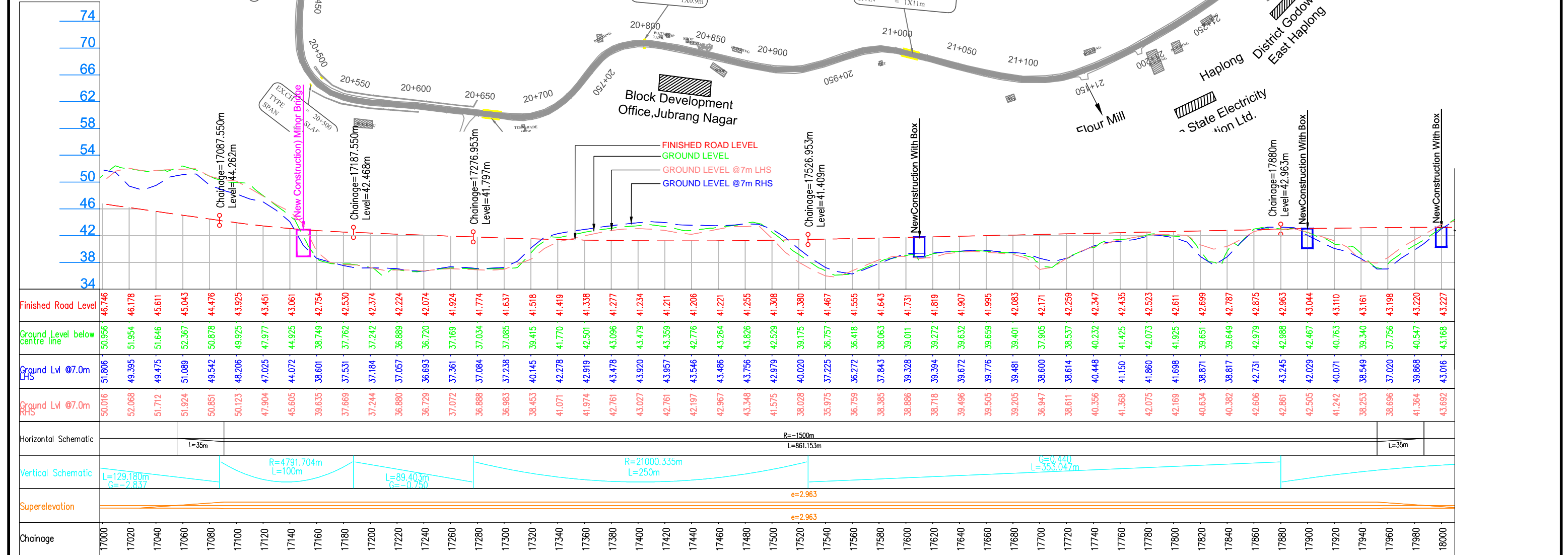
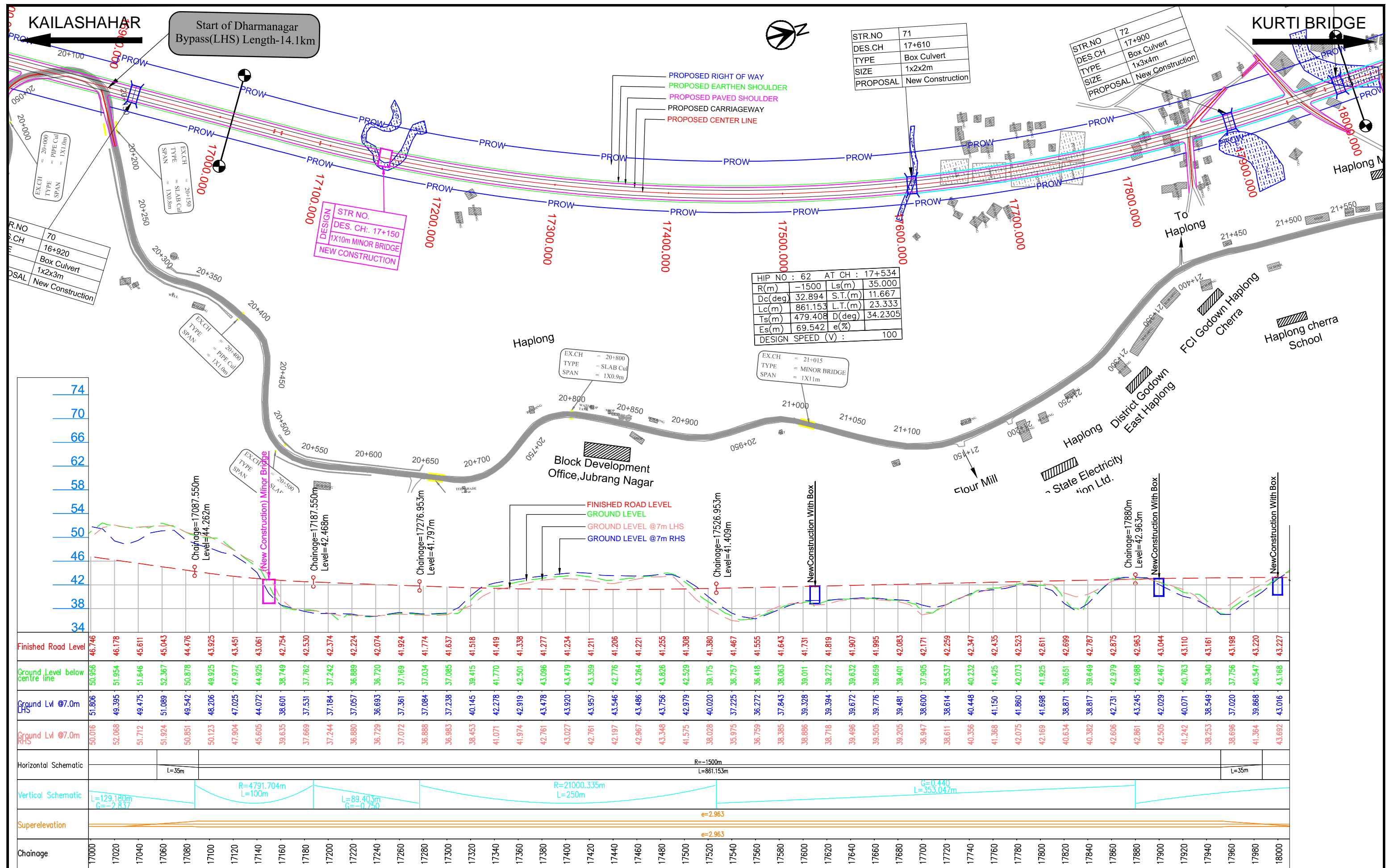
KAILASHAHAR

Dharmanagar Bypass LHS (Length - 14.1km)

KURTI BRIDGE



<div>LEGEND :</div> <div><div>Design</div><div>Structure</div><div>Existing Road</div><div>Pond/River</div></div>	<div></div>	<div>Project Title:-</div> <div>CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.</div> <div>KAILASHAHAR - KURTI BRIDGE SECTION-2</div>	<div>CLIENT:</div> <div></div> <div>NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD</div>	<div>Drawing Title:</div> <div>PLAN & PROFILE Dharmanagar Bypass</div> <div><div><div>Drawing No. :- TASPL/NHIDCL/DDPR/P&P</div><div>Scale :- 1:2000</div><div><div>DrnDgnAppd</div><div>DeepakB.MishraB.S Pandey</div></div></div><div><div>Sheet : BP OF 15</div><div>Date DEC - 2019</div></div></div>	<div>CONSULTANT:</div> <div></div> <div>Technocrats Advisory Services Private Limited</div> <div>in association with Vaishnavi Infratech Services P. Ltd</div> <div>Flat No. 68, Ajanta Apartment, 36 I.P.Extension</div> <div>Patparganj, Delhi-110092</div>
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LEGEND :

- Design
- Structure
- Existing Road
- Pond/River

Project Title:-

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-2

CLIENT:

NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD

Drawing Title:

PLAN & PROFILE
DES.CH. 17+000 TO 18+000

Drawing No. :- TASPL/NHIDCL/DDPR/P&P

Scale :- 1:2000

Drn	Dgn	Appd
Deepak	B.Mishra	B.S Pandey

Sheet : 07 OF 15

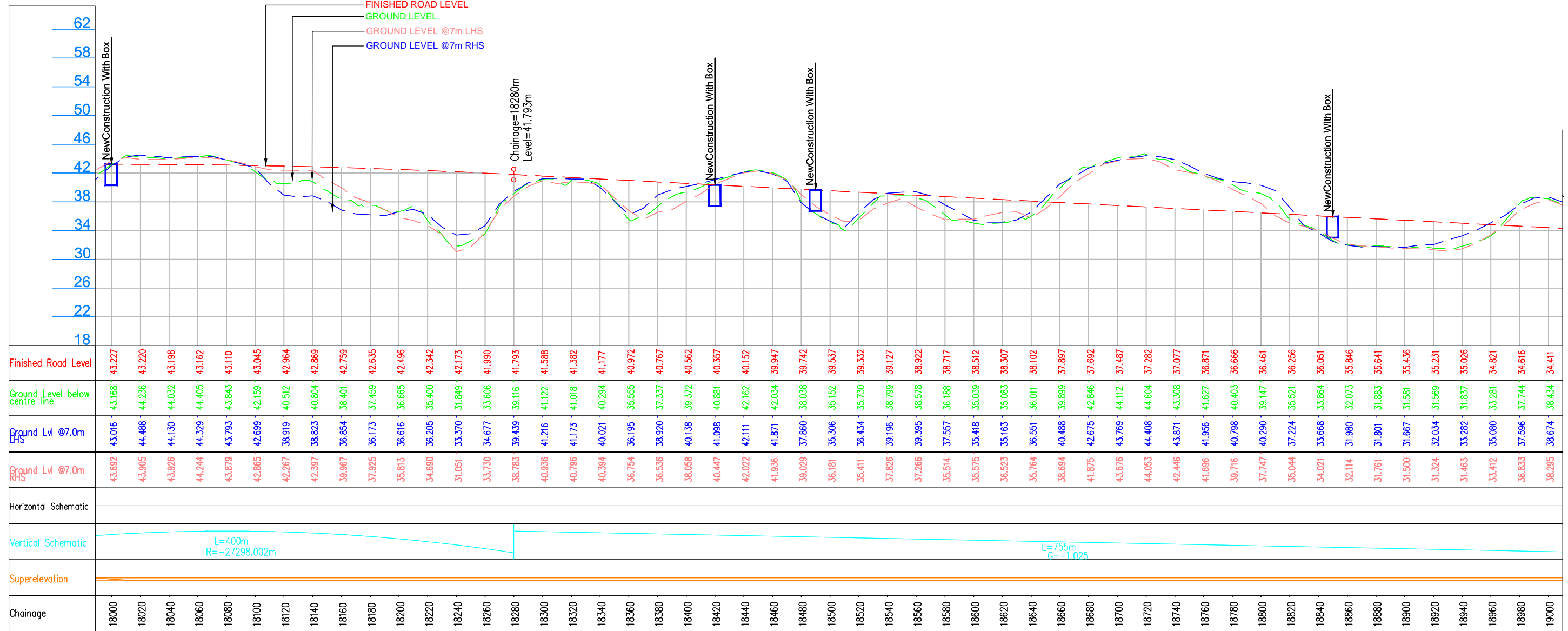
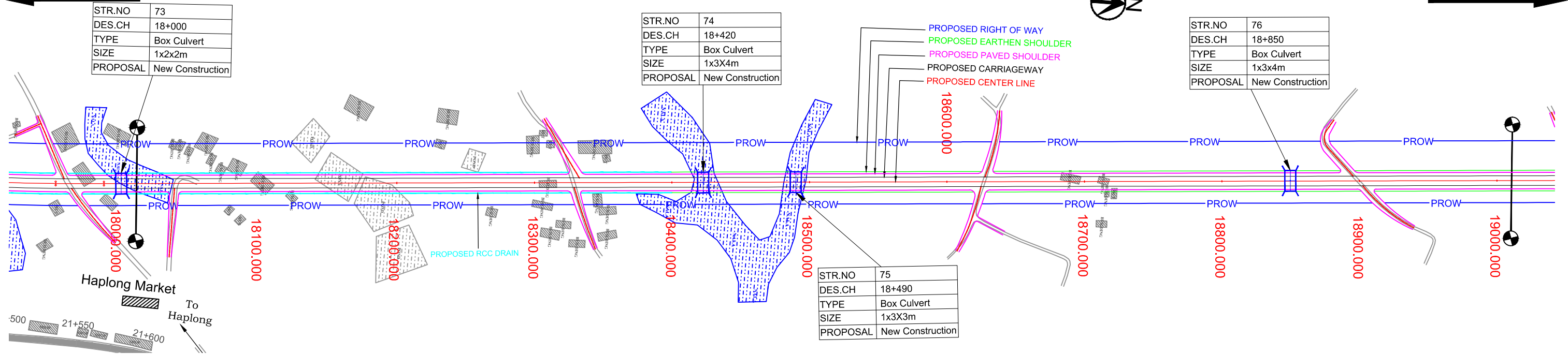
Date DEC - 2019

CONSULTANT:

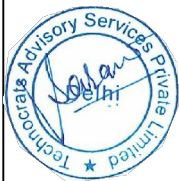
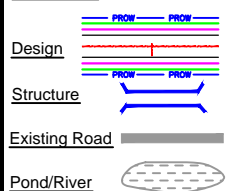
Technocrats Advisory Services Private Limited
in association with Vaishnavi Infratech Services P. Ltd
Flat No. 68, Ajanta Apartment, 36 I.P.Extension
Patparganj, Delhi-110092

KAILASHAHAR

KURTI BRIDGE



LEGEND :



Project Title:-

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-2

CLIENT:



NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD

Drawing Title:

PLAN & PROFILE
DES.CH. 18+000 TO 19+000

Drawing No. :-

TASPL/NHIDCL/DDPR/P&P

Sheet :

08 OF 15

Scale :-

1:2000

Drm

Dgn.

Appd

Deepak

B.Mishra

B.S Pandey

Date

DEC - 2019

CONSULTANT:



Technocrats Advisory Services Private Limited
in association with Vaishnavi Infratech Services P. Ltd
Flat No. 68, Ajanta Apartment, 36 I.P.Extension
Patparganj, Delhi-110092

KAILASHAHAR

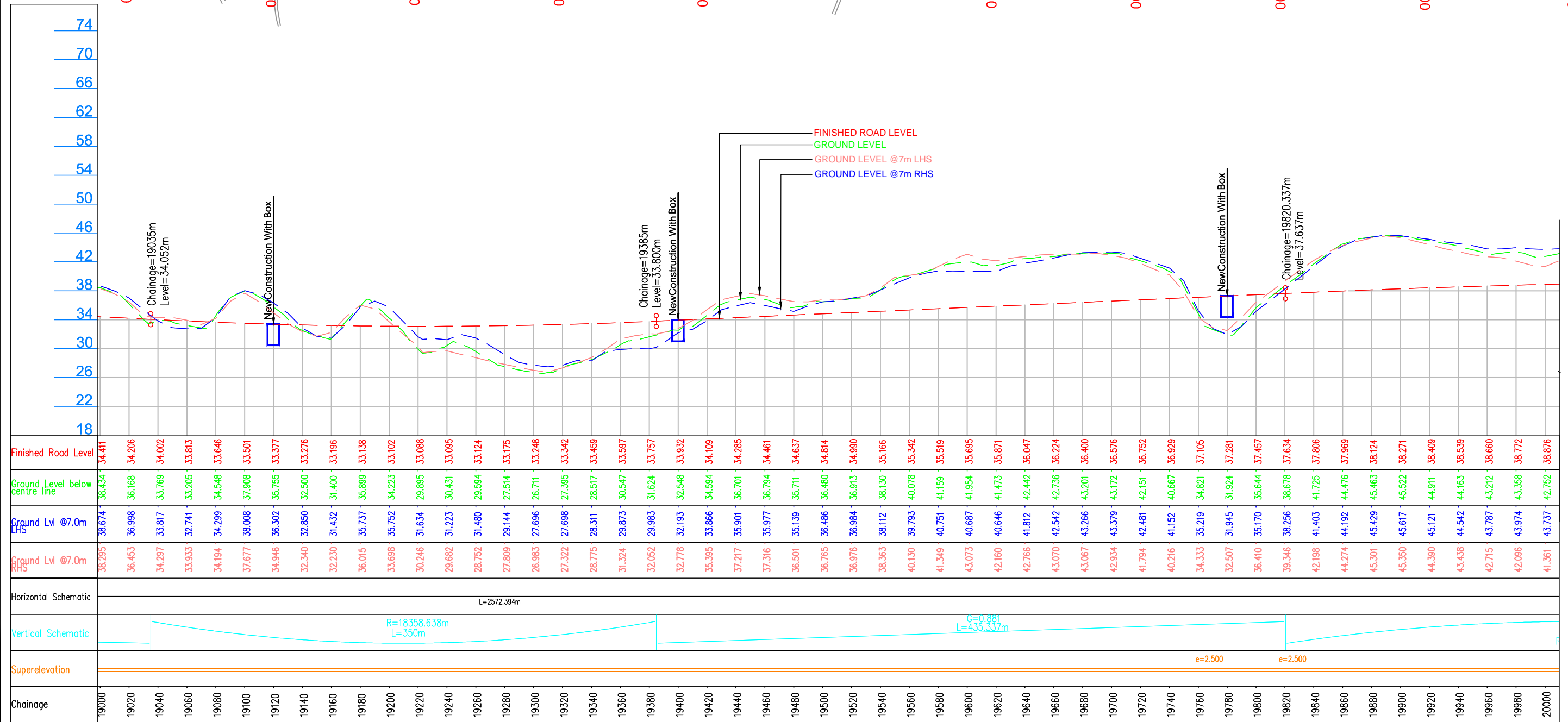
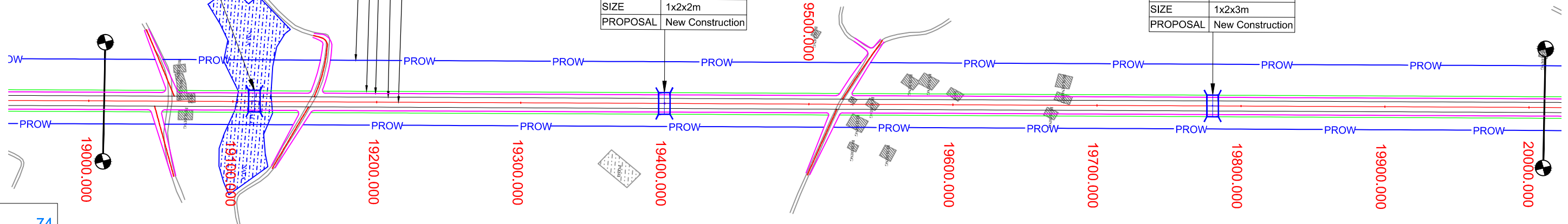
KURTI BRIDGE

STR.NO	77
DES.CH	19+120
TYPE	Box Culvert
SIZE	1x2x2m
PROPOSAL	New Construction

STR.NO	78
DES.CH	19+400
TYPE	Box Culvert
SIZE	1x2x2m
PROPOSAL	New Construction

STR.NO	79
DES.CH	19+780
TYPE	Box Culvert
SIZE	1x2x3m
PROPOSAL	New Construction

PROPOSED RIGHT OF WAY
PROPOSED EARTHEN SHOULDER
PROPOSED PAVED SHOULDER
PROPOSED CARRIAGEWAY
PROPOSED CENTER LINE



LEGEND : Design: PROW, PROW, PROW, PROW Structure: [Symbol] Existing Road: [Symbol] Pond/River: [Symbol]	Project Title:- CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA. KAILASHAHAR - KURTI BRIDGE SECTION-2	CLIENT: NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD	Drawing Title: PLAN & PROFILE DES.CH. 19+000 TO 20+000 Drawing No. :- TASPL/NHIDCL/DDPR/P&P Scale :- 1:2000 Drn Deepak Dgn. B.Mishra Appd B.S Pandey Sheet : 09 OF 15 Date DEC - 2019	CONSULTANT: Technocrats Advisory Services Private Limited in association with Vaishnavi Infratech Services P. Ltd Flat No. 68, Ajanta Apartment, 36 I.P.Extension Patparganj, Delhi-110092
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KAILASHAHAR

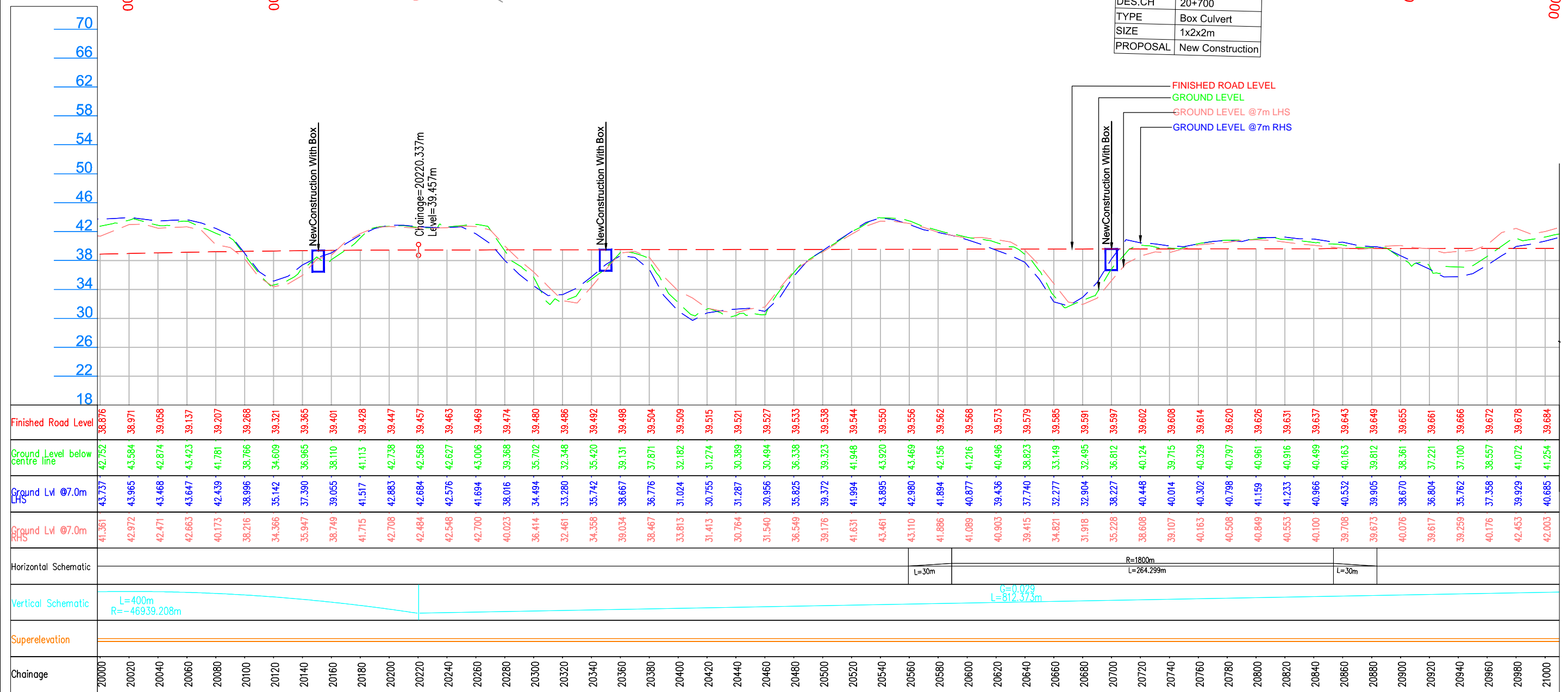
KURTI BRIDGE

STR.NO	80
DES.CH	20+160
TYPE	Box Culvert
SIZE	1x3x4m
PROPOSAL	New Construction

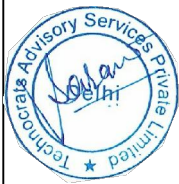
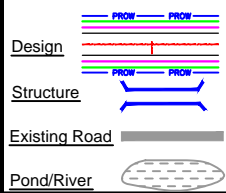
STR.NO	81
DES.CH	20+350
TYPE	Box Culvert
SIZE	1x2x2m
PROPOSAL	New Construction

HIP NO : 63		AT CH : 20+722	
R(m)	1800	Ls(m)	30.000
Dc(deg)	8.413	S.T.(m)	10.000
Lc(m)	264.299	L.T.(m)	20.000
Ts(m)	162.480	D(deg)	9.3678
Es(m)	6.052	e(%)	
DESIGN SPEED (V) :			100

STR.NO	82
DES.CH	20+700
TYPE	Box Culvert
SIZE	1x2x2m
PROPOSAL	New Construction



LEGEND :



Project Title:-

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-2

CLIENT:



NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD

Drawing Title:

PLAN & PROFILE
DES.CH. 20+000 TO 21+000

Drawing No. :- TASPL/NHIDCL/DDPR/P&P

Sheet : 10 OF 15

Scale :- 1:2000

Drn Dgn Appd

Deepak B.Mishra B.S Pandey

Date DEC - 2019

CONSULTANT:

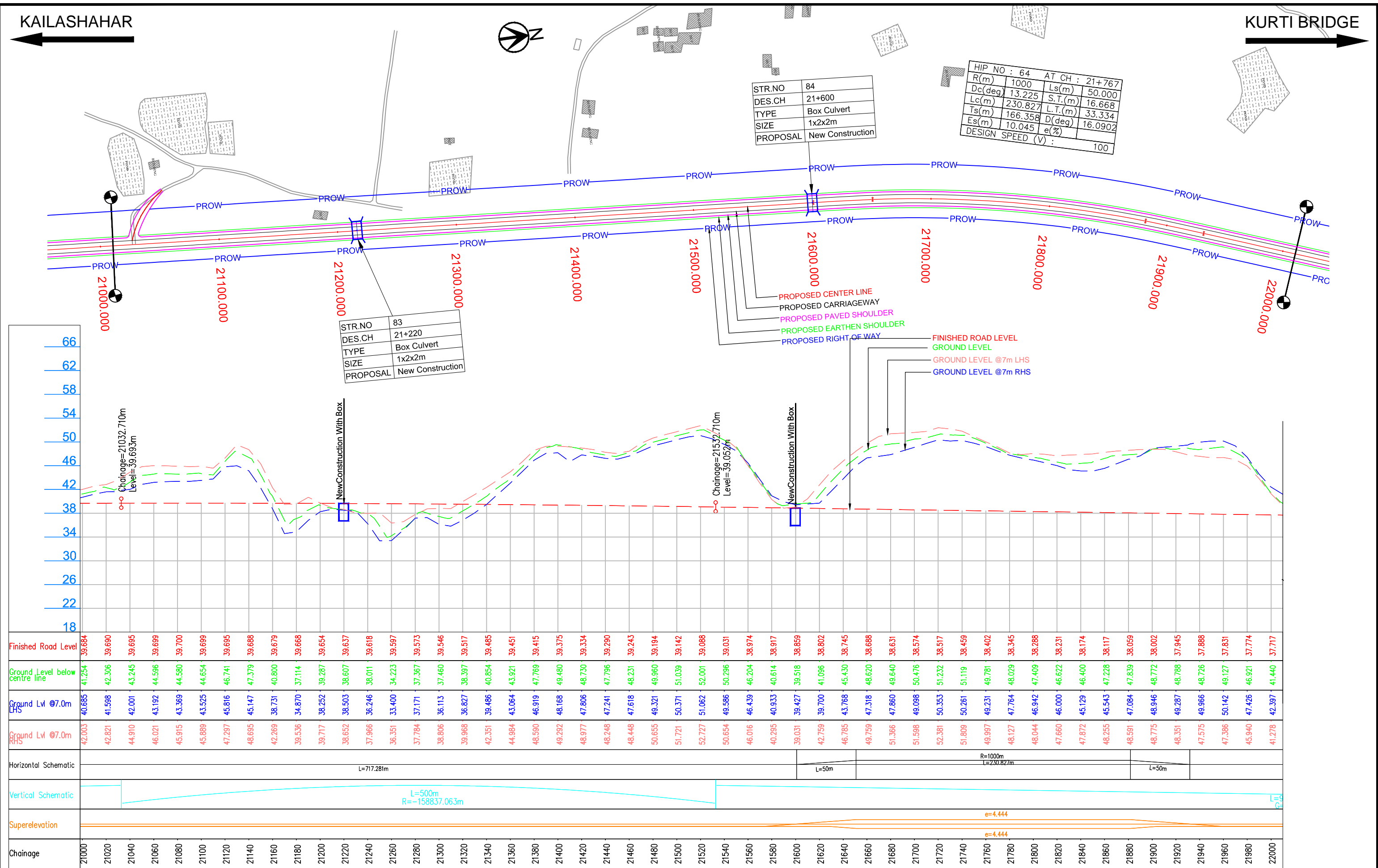


Technocrats Advisory Services Private Limited

in association with Vaishnavi Infratech Services P. Ltd
Flat No. 68, Ajanta Apartment, 36 I.P.Extension
Patparganj, Delhi-110092

KAILASHAHAR

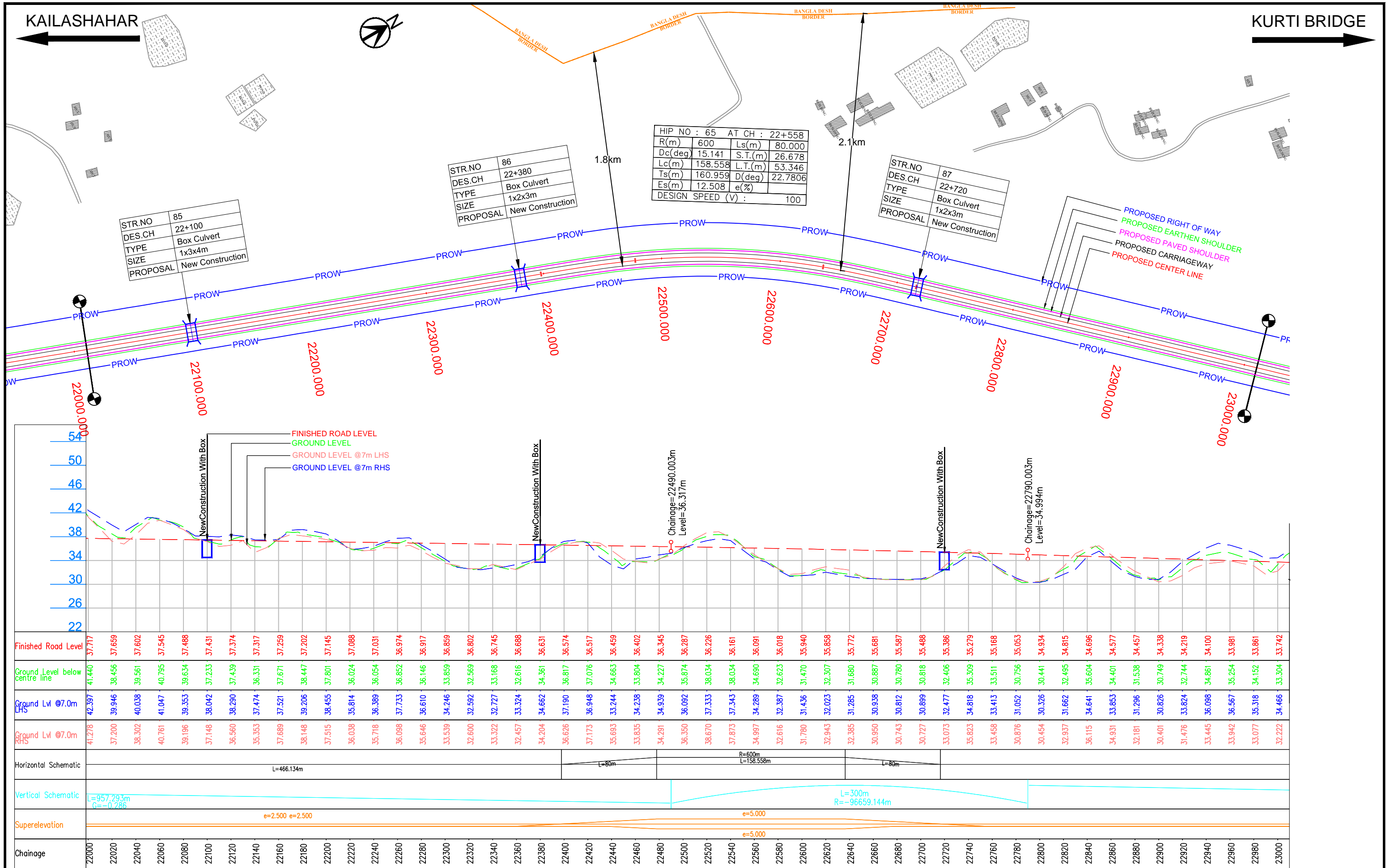
KURTI BRIDGE



LEGEND : Design Structure Existing Road Pond/River		Project Title:- CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA. KAILASHAHAR - KURTI BRIDGE SECTION-2		CLIENT: NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD		Drawing Title: PLAN & PROFILE DES.CH. 21+000 TO 22+000 Drawing No. :- TASPL/NHIDCL/DDPR/P&P Scale :- 1:2000 Drn Deepak Dgn. B.Mishra Appd B.S Pandey		CONSULTANT: Technocrats Advisory Services Private Limited in association with Vaishnavi Infratech Services P. Ltd Flat No. 68, Ajanta Apartment, 36 I.P.Extension Patparganj, Delhi-110092	
						Sheet : 11 OF 15 Date DEC - 2019			

KAILASHAHAR

KURTI BRIDGE



LEGEND :

- Design
- Structure
- Existing Road
- Pond/River

Project Title:-

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-2

CLIENT:

NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD

Drawing Title:

PLAN & PROFILE
DES.CH. 22+000 TO 23+000

Drawing No. :-

TASPL/NHIDCL/DDPR/P&P

Scale :-

1:2000

Sheet :

12 OF 15

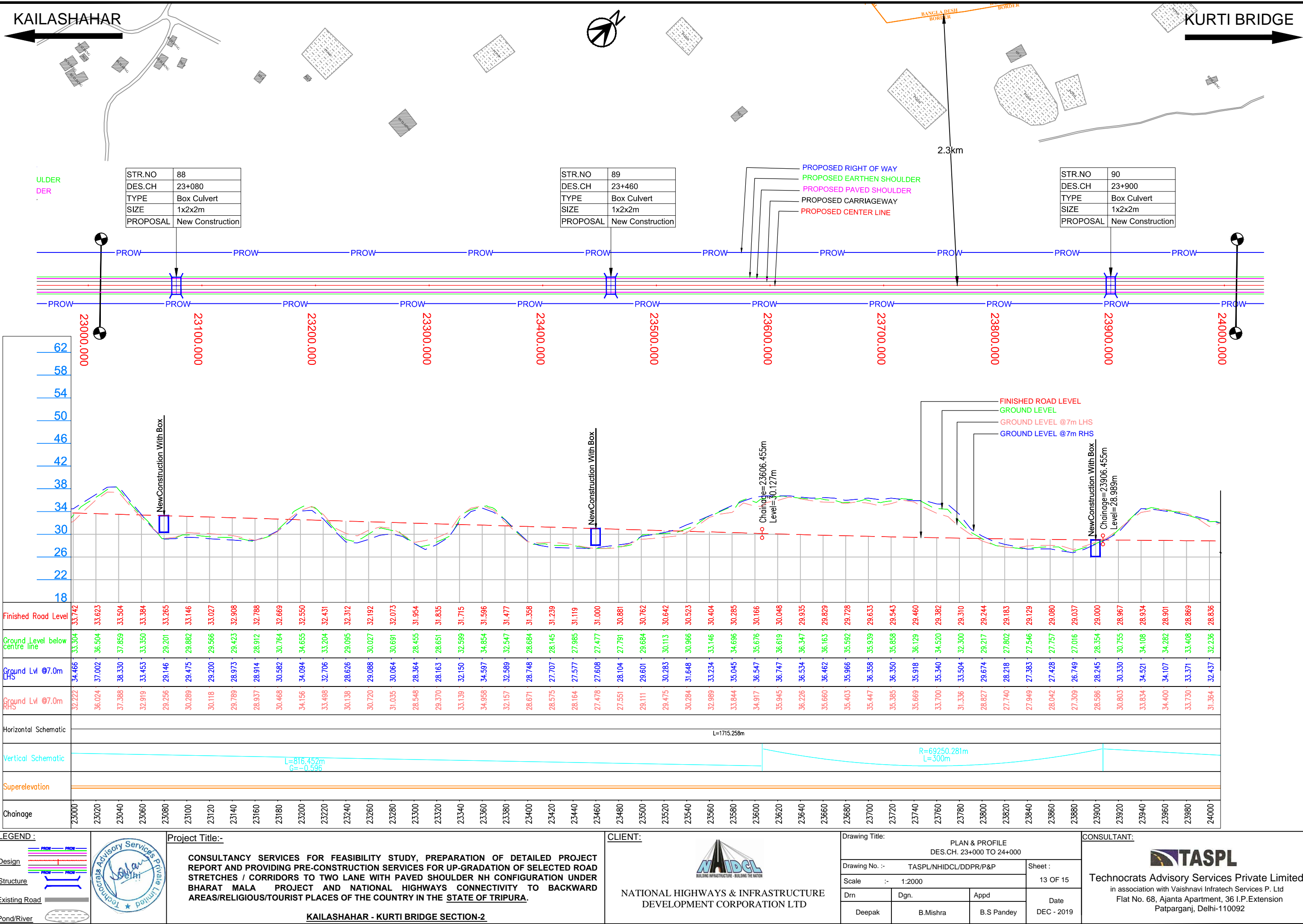
Date

DEC - 2019

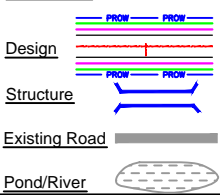
CONSULTANT:

TASPL

Technocrats Advisory Services Private Limited
in association with Vaishnavi Infratech Services P. Ltd
Flat No. 68, Ajanta Apartment, 36 I.P.Extension
Patparganj, Delhi-110092



LEGEND :



Project Title:-

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-2

CLIENT:



NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD

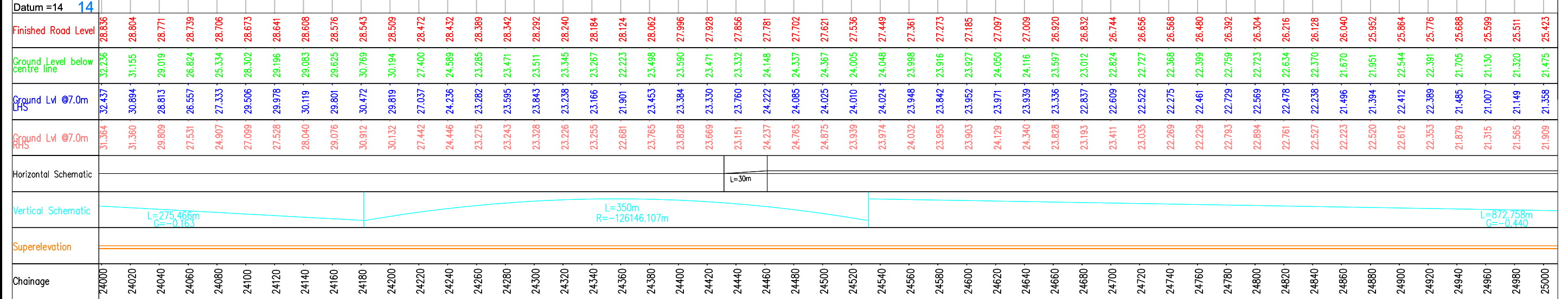
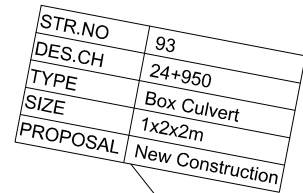
Drawing Title:








PLAN & PROFILE DES.CH. 23+000 TO 24+000			
Drawing No. :- TASPL/NHIDCL/DDPR/P&P			Sheet :
Scale :- 1:2000			13 OF 15
Drn	Dgn.	Appd	Date
Deepak	B.Mishra	B.S Pandey	DEC - 2019

CONSULTANT:



Technocrats Advisory Services Private Limited
in association with Vaishnavi Infratech Services P. Ltd
Flat No. 68, Ajanta Apartment, 36 I.P.Extension
Patparganj, Delhi-110092



LEGEND : 	Project Title:- <p>CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.</p> <p align="center"><u>KAILASHAHAR - KURTI BRIDGE SECTION-2</u></p>	CLIENT:  <p align="center">NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD</p>	Drawing Title: <p align="center">PLAN & PROFILE DES.CH. 24+000 TO 25+000</p>	CONSULTANT:  <p align="center">Technocrats Advisory Services Private Limited in association with Vaishnavi Infratech Services P. Ltd Flat No. 68, Ajanta Apartment, 36 I.P.Extension Patparganj, Delhi-110092</p>						
Design 			Drawing No. :- TASPL/NHIDCL/DDPR/P&P							
Structure 			Scale :- 1:2000	Sheet : 14 OF 15						
Existing Road 			<table border="1"> <tr> <td>Drm</td> <td>Dgn.</td> <td>Appd</td> </tr> <tr> <td>Deepak</td> <td>B.Mishra</td> <td>B.S Pandey</td> </tr> </table>	Drm	Dgn.	Appd	Deepak	B.Mishra	B.S Pandey	Date DEC - 2019
Drm	Dgn.	Appd								
Deepak	B.Mishra	B.S Pandey								
Pond/River 										

KAILASHAHAR

KURTI BRIDGE

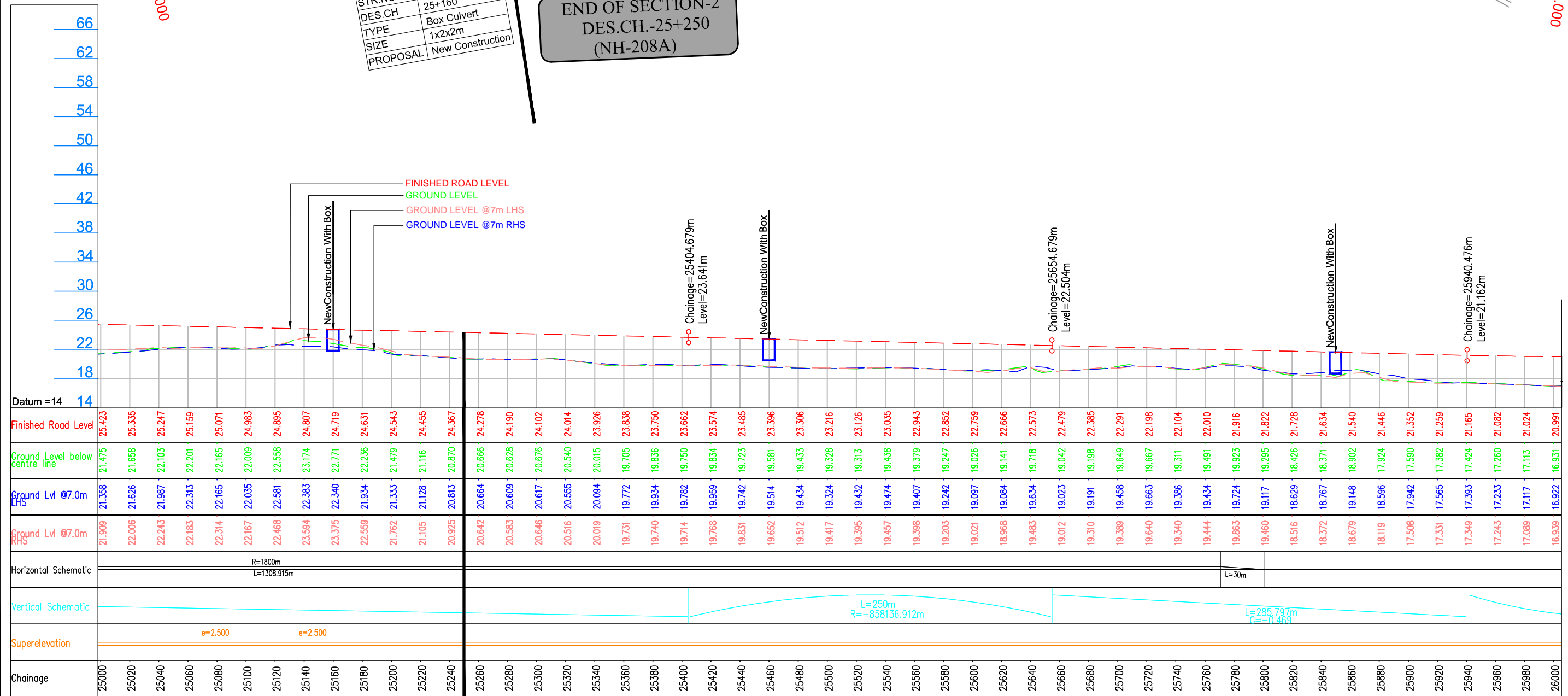
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Pc(deg) 41.664	S.T.(m) 10.000
Lc(m) 1308.91	SL.T.(m) 20.000
ts(m) 717.143	D(deg) 42.6190
Es(m) 132.118	e(%) 100
DESIGN SPEED (V) :	

STR.NO	65
DES.CH	25+460
TYPE	Box Culvert
SIZE	1x2x3m
PROPOSAL	New Construction

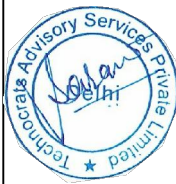
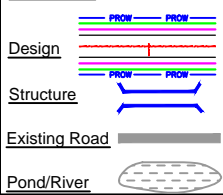
STR.NO	96
DES.CH	25+850
TYPE	Box Culvert
SIZE	1x2x3m
PROPOSAL	New Construction

STR.NO	94
DES.CH	25+160
TYPE	Box Culvert
SIZE	1x2x2m
PROPOSAL	New Construction

END OF SECTION-2
DES.CH.-25+250
(NH-208A)



LEGEND :



Project Title:-

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-2

CLIENT:



NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD

Drawing Title:

PLAN & PROFILE
DES.CH. 25+000 TO 26+000

Drawing No. :-

TASPL/NHIDCL/DDPR/P&P

Sheet :

15 OF 15

Scale :-

1:2000

Drm

Dgn.

Appd

Date

Deepak

B.Mishra

B.S Pandey

DEC - 2019

CONSULTANT:



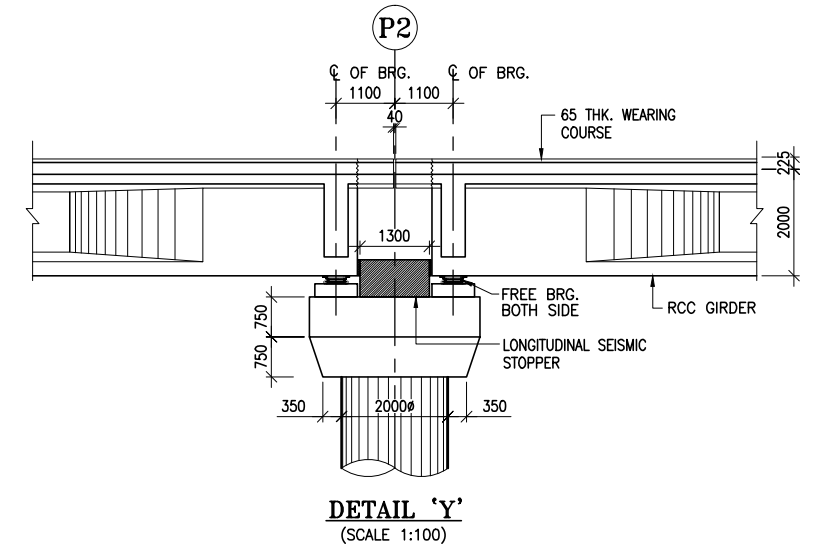
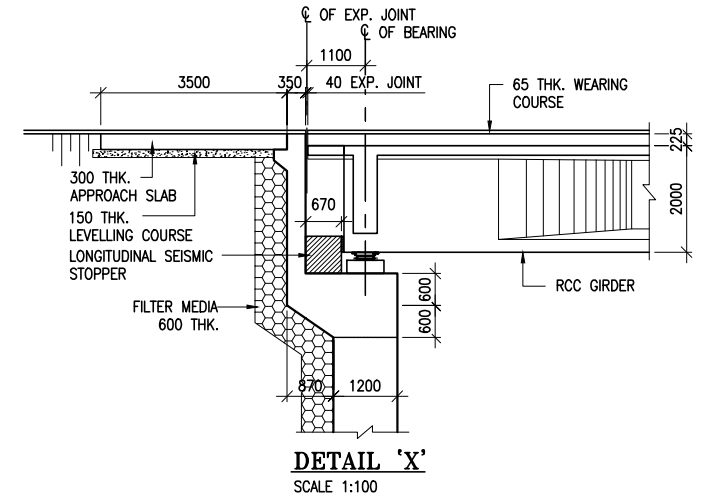
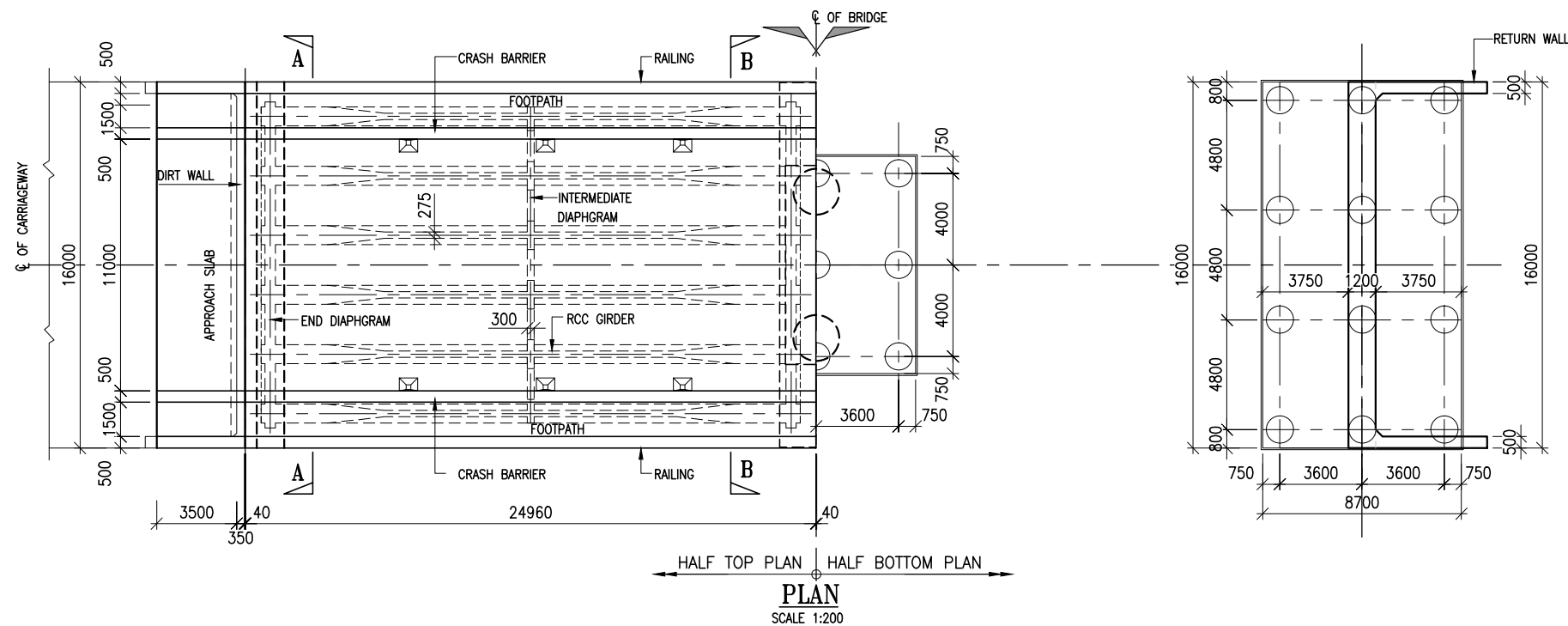
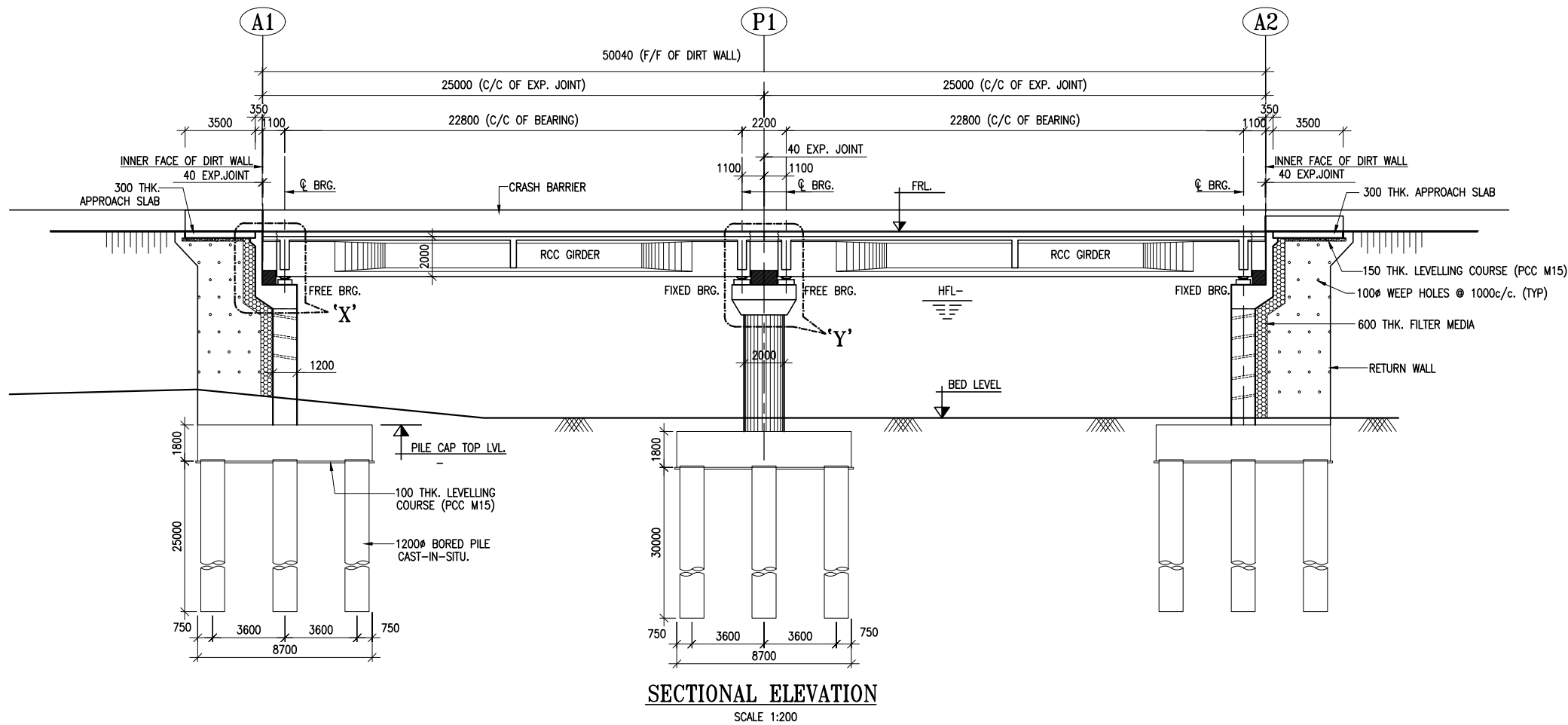
Technocrats Advisory Services Private Limited

in association with Vaishnavi Infratech Services P. Ltd
Flat No. 68, Ajanta Apartment, 36 I.P.Extension
Patparganj, Delhi-110092

GENERAL ARRANGEMENT DRAWING



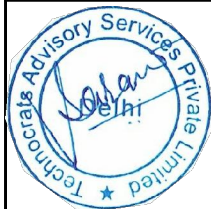
MINOR BRIDGE (2X25.0m SPAN) ►



NOTES:

- ALL DIMENSIONS ARE IN mm AND LEVELS ARE IN METRES UNLESS OTHERWISE MENTIONED. ONLY WRITTEN DIMENSIONS TO BE FOLLOWED. NO DIMENSIONS SHALL BE SCALED.
- EACH STRUCTURE SHALL BE DESIGNED FOR 2 LANES OF CLASS 70R VEHICLE OR 1 LANE OF CLASS 70R +2LANES OF CLASS A OR 4 LANES OF CLASS A WHICHEVER GOVERNS.
- CONCRETE SHALL BE DESIGN MIX WITH A MINIMUM 28 DAYS CHARACTERISTIC STRENGTH AS FOLLOWS:

RCC DECK SLAB	M35
PRECAST RCC GIRDER	M35
PSC GIRDER	M45
PEDESTAL	M40
PIER & PIER CAP	M35
ABUTMENT	M35
PILE & PILE CAP	M35
APPROACH SLAB	M30
LEVELLING COURSE (PCC)	M15
- REINFORCEMENT STEEL SHALL BE HYSD BARS OF GRADE DESIGNATION Fe-500D CONFORM TO IS:1786.
- 65mm TH. WEARING COURSE COMPRISING OF UNDER LAYER OF 40mm THK. ASPHALTIC CONCRETE OVERLAID WITH 25mm THK MASTIC ASPHALT. PROVIDED AS PER SECTION 500 OF MORTH SPECIFICATIONS.
- STRIP SEAL TYPE EXPANSION JOINTS OF PROVEN QUALITY SHALL BE PROVIDED.
- WEEP HOLES, SPACED AT 1000 c/c BOTH HORIZONTALLY AND VERTICALLY SHALL BE PROVIDED IN A STAGGERED MANNER IN ABUTMENT & RETURN WALL UPTO H.F.L.



Project Title:-

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-2

CLIENT:



**NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD**

Drawing Title:

GENERAL ARRANGEMENT DRAWING
MINOR BRIDGE AT (2X25.0m SPAN)

Drawing No. :-

TASPL/NHIDCL/FFR/GAD/09

Scale :-

AS SHOWN

Drn

Dgn.

Appd

D.S

D.P.S

B.S.Pandey

Sheet :

01 OF 02

Date

DEC- 2019

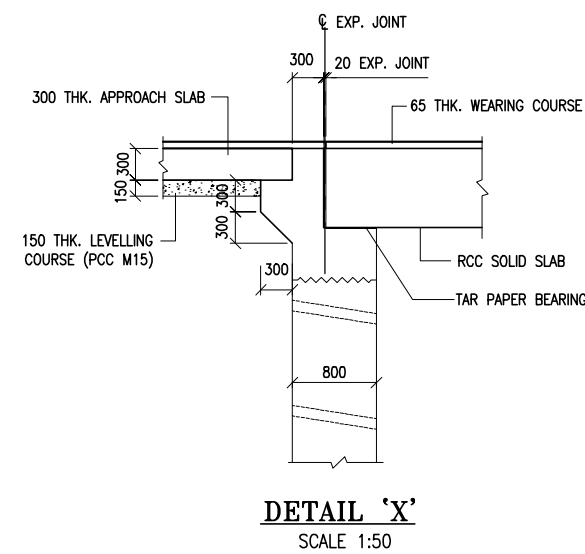
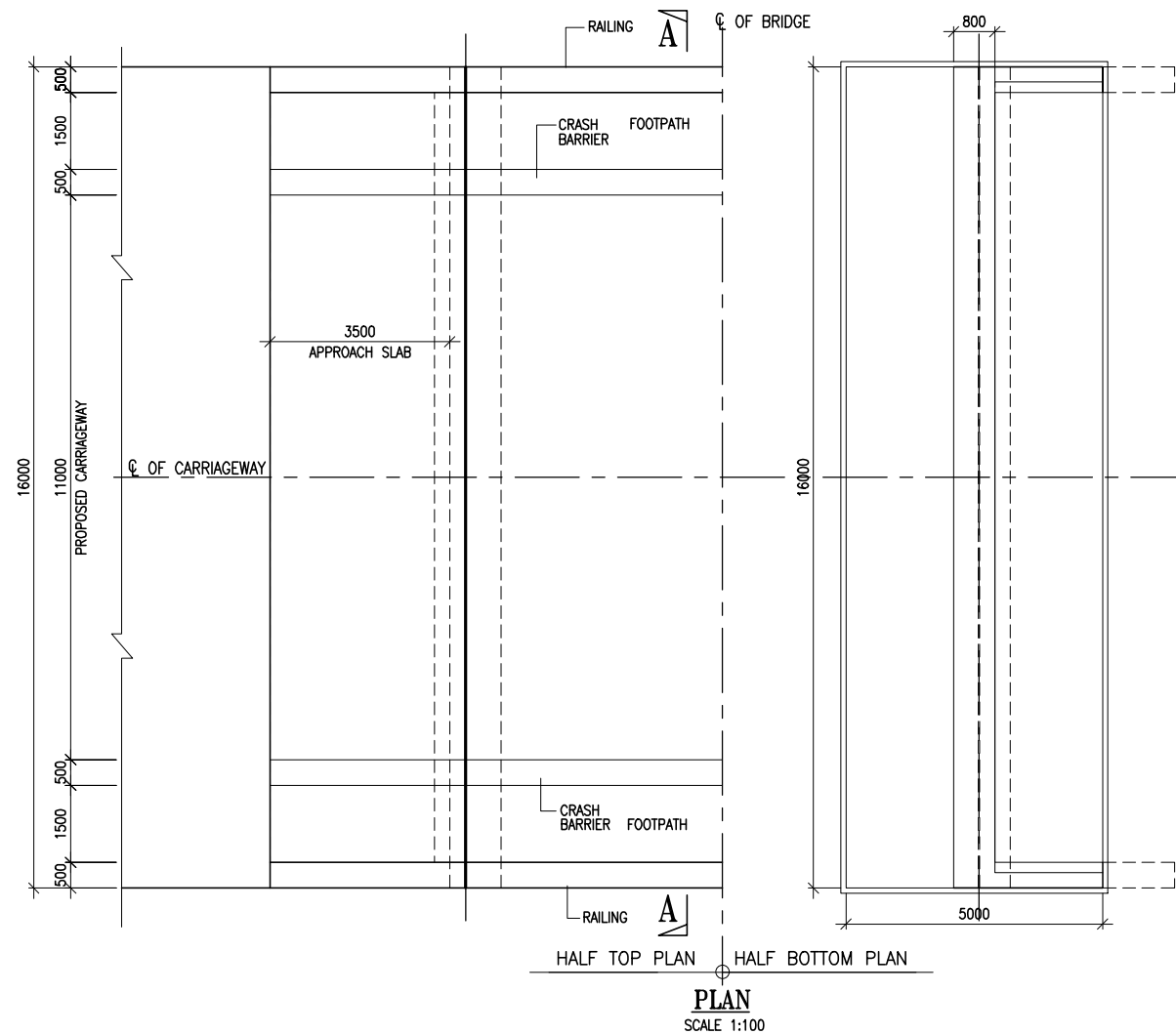
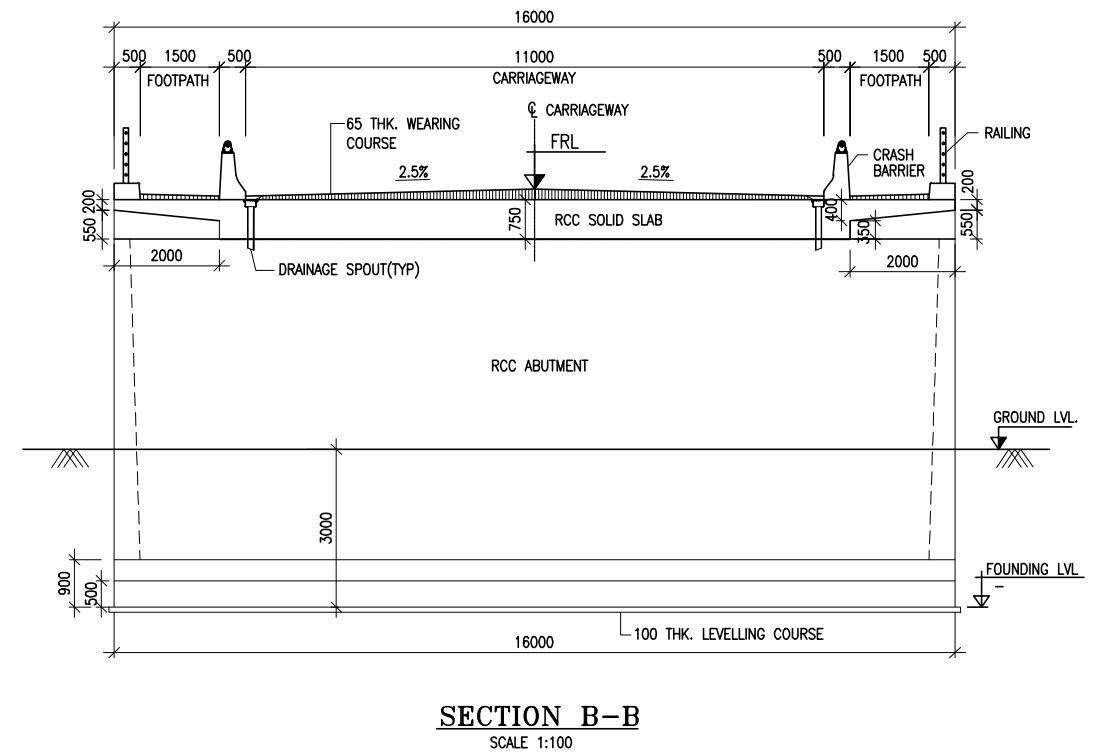
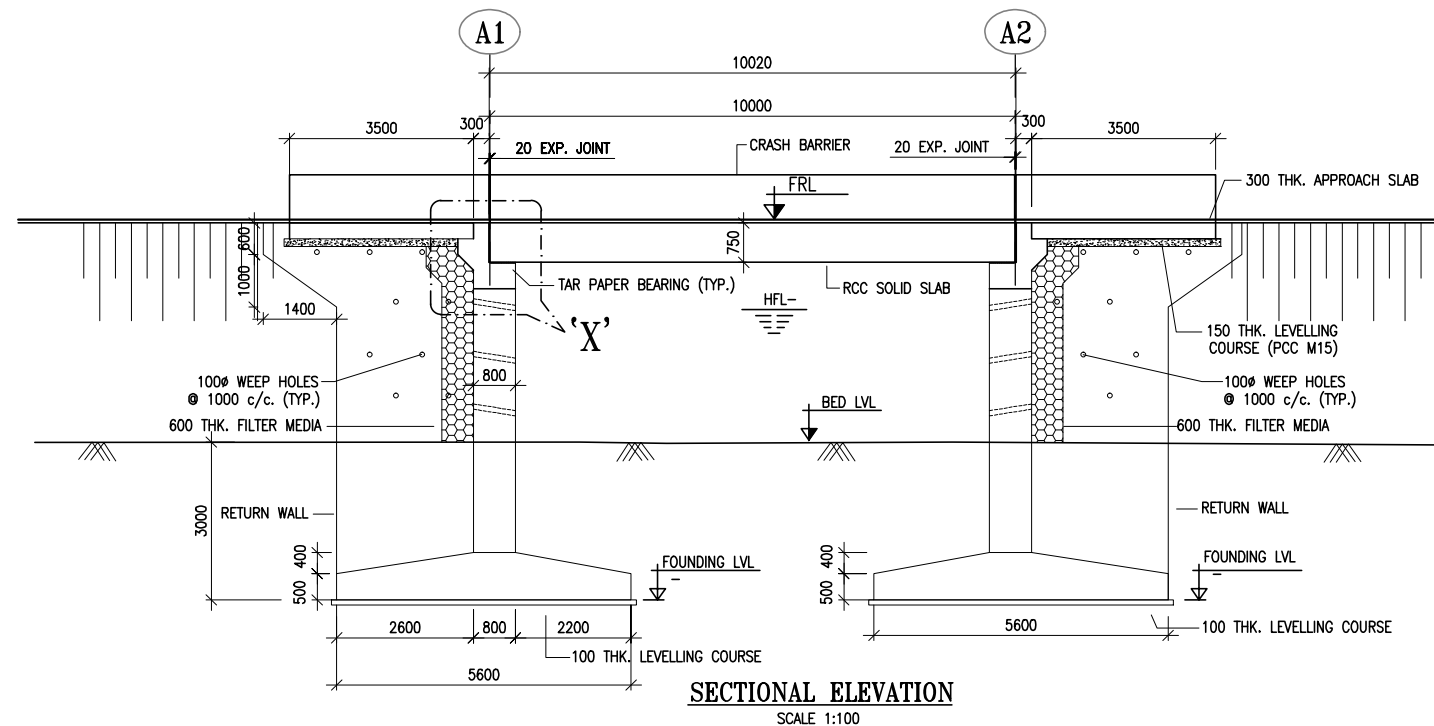
CONSULTANT:



Technocrats Advisory Services Private Limited

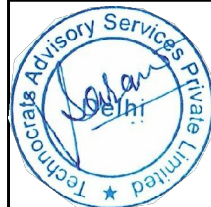
in association with Vaishnavi Infratech Services P. Ltd
68,Ajanta Apartments, 36, I.P. Extension
Patparganj Delhi-110092.

MINOR BRIDGE (1X10.0m SPAN) ►



NOTES:

- ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN METRES UNLESS OTHERWISE MENTIONED. ONLY WRITTEN DIMENSIONS TO BE FOLLOWED. NO DIMENSIONS SHALL BE SCALED.
- STRUCTURE SHALL BE DESIGNED FOR ONE LANE OF IRC CLASS 70R+TWO LANE OF CLASS A OR 4 LANES OF IRC CLASS A LOADING OR 2 LANE OF IRC CLASS 70R LOADING WHICHEVER GOVERNS.
- CONCRETE SHALL BE DESIGN MIX WITH A MINIMUM 28 DAYS CHARACTERISTIC STRENGTH AS FOLLOWS:
RCC SOLID SLAB - M35
SUBSTRUCTURE - M35
OPEN FOUNDATION - M35
LEVELLING COURSE (PCC) - M15
APPROACH SLAB - M30
- REINFORCEMENT STEEL SHALL BE HYSD BARS OF GRADE DESIGNATION Fe-500D CONFORMING TO IS:1786.
- 65mm TH. WEARING COURSE COMPRISING OF UNDER LAYER OF 40mm THK. ASPHALTIC CONCRETE OVERLAID WITH 25MM THICK MASTIC ASPHALT PROVIDED AS PER SECTION 500 OF MORTH SPECIFICATIONS.
- SLAB SEAL EXPANSION JOINTS OF PROVEN QUALITY SHALL BE PROVIDED.
- WEEP HOLES, SPACED AT 1000 c/c BOTH HORIZONTALLY AND VERTICALLY SHALL BE PROVIDED IN A STAGGERED MANNER IN ABUTMENT & RETURN WALL UPTO H.F.L.
- MAXIMUM BEARING PRESSURE AT FOUNDING LEVEL = 20T/m²
- THE SBC AT FOUNDING LEVEL SHALL BE VERIFIED AT SITE BEFORE CONSTRUCTION.



Project Title:-

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-2

CLIENT:



**NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD**

Drawing Title:

GENERAL ARRANGEMENT DRAWING FOR
MINOR BRIDGE (1x10.0m)

Drawing No. :-

TASPL/NHIDCL/FFR/GAD/09

Scale :-

AS SHOWN

Drn

Dgn.

D.S

D.P.S

Appd

B.S.Pandey

B.S.Pandey

Sheet :

01 OF 01

Date

DEC- 2019

DEC- 2019

CONSULTANT:



Technocrats Advisory Services Private Limited
in association with Vaishnavi Infratech Services P. Ltd
68,Ajanta Apartments, 36, I.P. Extension
Patparganj Delhi-110092.

CULVERT DRAWING



BOX CULVERT



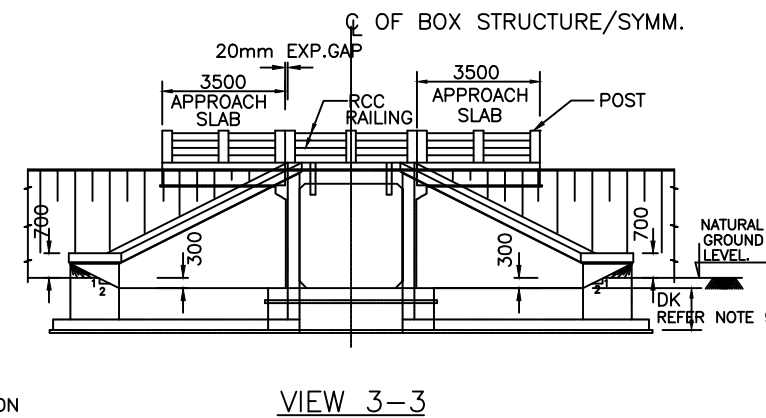
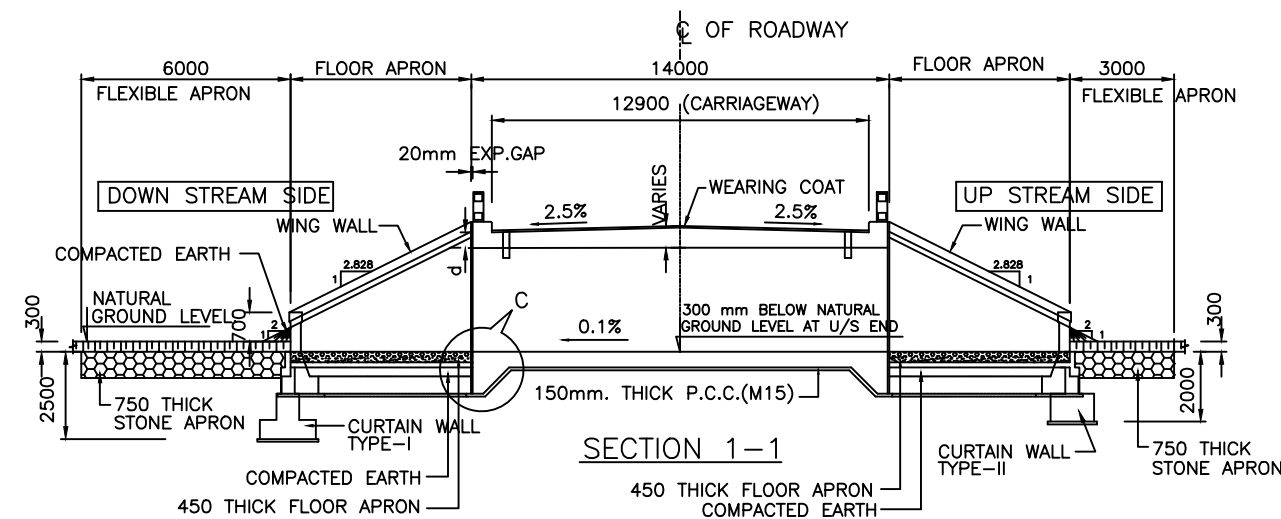
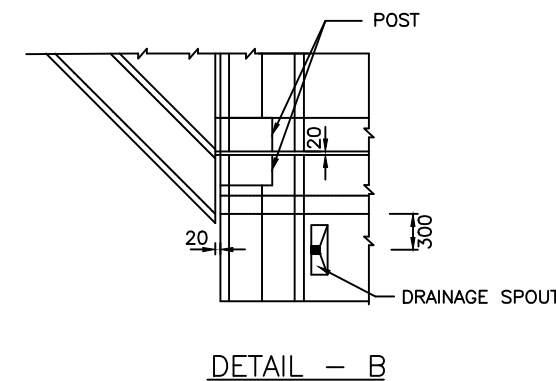
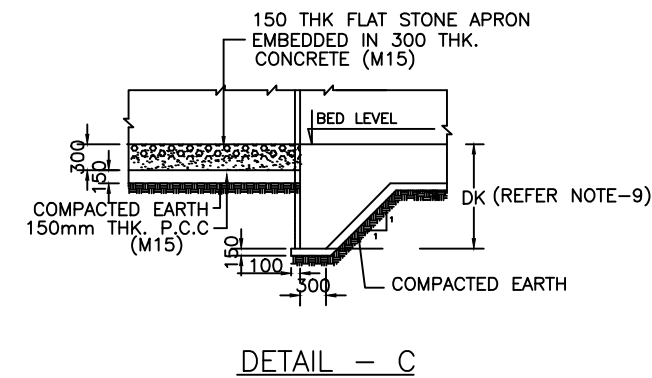


TABLE SHOWING SALIENT DIMENSIONS

BOX CELL DESIGNATION Nc/ab/Ec	a (mm)	b (mm)	c (mm)	d (mm)	e (mm)	f (mm)	REQUIRED BEARING CAPACITY CATEGORY	DESIGN BASE PRESSURE (T/M ²)	ALLOWABLE DRAWDOWN AT A TIME (M)
1/22/0	2000	2000	500	350	380	300	C	11.62	0.00
1/23/0	2000	3000	1300	370	420	350	C	11.01	2.98
1/33/0	3000	3000	900	420	420	420	C	10.50	2.15
1/34/0	3000	4000	1700	450	480	460	C	11.37	4.81
1/43/0	4000	3000	400	450	500	500	C	10.53	1.29
1/44/0	4000	4000	1200	480	550	550	C	11.07	3.99
1/45/0	4000	5000	1900	520	620	630	C	12.48	6.14
1/53/0	5000	3000	300	500	570	570	B	9.83	1.73
1/54/0	5000	4000	800	520	600	620	C	10.66	3.40
1/55/0	5000	5000	1500	580	680	700	C	12.40	5.81
1/63/0	6000	3000	300	680	720	720	B	9.88	2.96
1/64/0	6000	4000	300	680	720	750	C	10.93	3.18
1/65/0	6000	5000	1100	680	750	750	C	11.77	5.35
1/66/0	6000	6000	1800	700	800	850	C	13.21	7.50
1/75/0	7000	5000	600	750	850	850	C	11.59	4.86
1/76/0	7000	6000	1200	780	920	950	C	13.00	6.93
1/77/0	7000	7000	1300	780	950	950	C	13.10	7.18
1/85/0	8000	5000	300	800	950	950	C	11.37	4.83
1/86/0	8000	6000	900	820	970	1000	C	12.52	6.56
1/87/0	8000	7000	1300	850	1100	1200	C	14.36	8.62

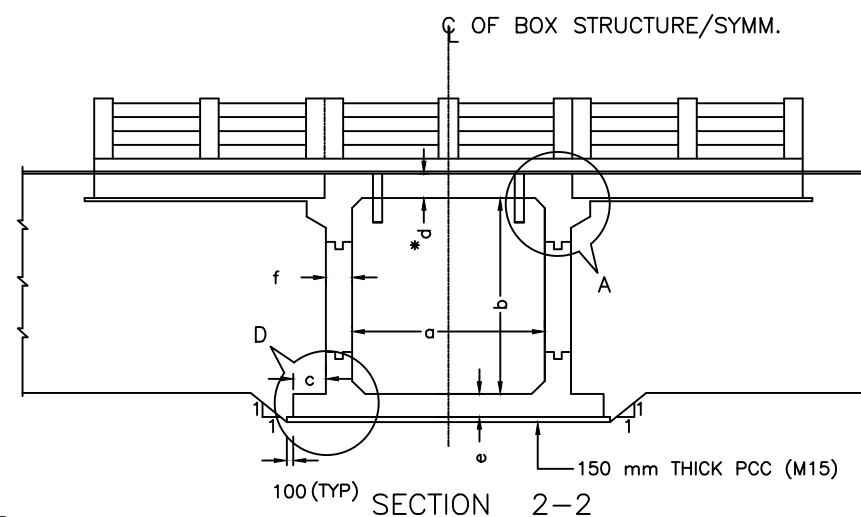
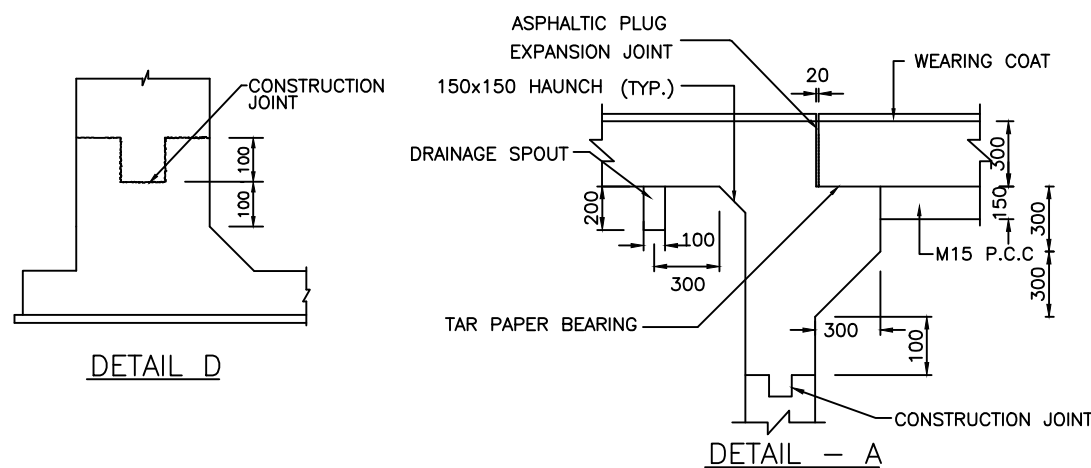
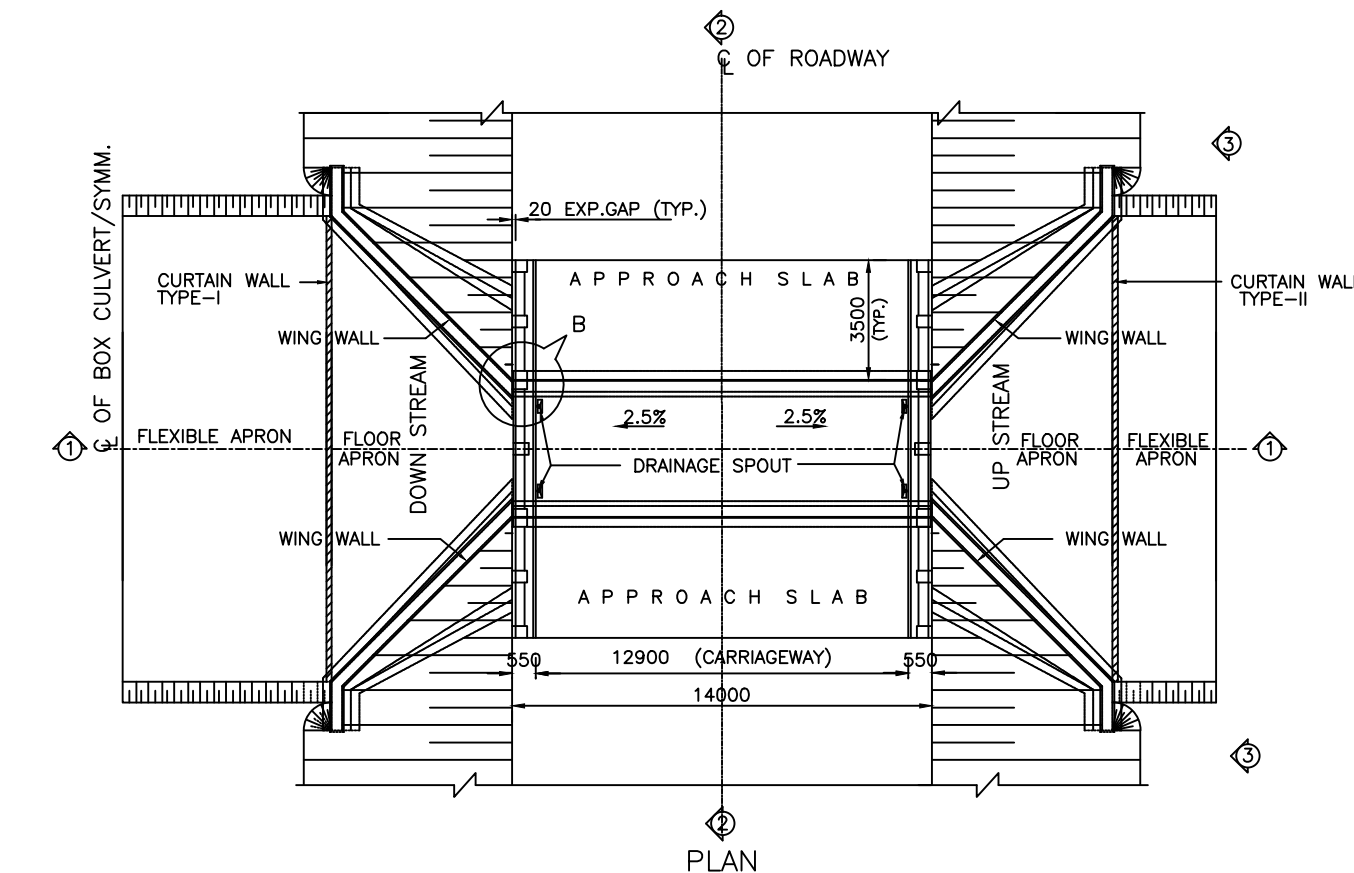


NOTES:

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE MENTIONED. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
- FOR GENERAL NOTES AND REFERENCE DRAWINGS REFER DRG. NO. SD/101.
- FOR REINFORCEMENT DETAILS REFER DRG. NO. SD/108.
- FOR DETAILS OF WING WALL REFER DWG. NO. SD/113.
- SOIL DENSITY ON THE BACKFILL SHOULD CONFORM TO CLAUSE 305.2.1.5 OF MOST SPECIFICATION.
- NET BEARING CAPACITY REQUIRED FOR SOIL IS DIVIDED IN FOUR CATEGORIES AS SHOWN BELOW :

CATEGORY	NET BEARING CAPACITY REQUIRED FOR SOIL
A	5 T/M ²
B	10 T/M ²
C	15 T/M ²
D	20 T/M ²

- SOFT AND LOOSE PATCHES IN THE BEARING AREA ARE TO BE REPLACED BY COMPACTED GRANULAR FILLS WITH LAYERS NOT EXCEEDING 300mm.
- DESIGNS ARE GIVEN FOR THE BOX CELL CULVERTS ONLY. THESE HAVE NO BEARING WITH DESIGN OF EMBANKMENT WHICH WILL BE TAKEN UP BY ENGINEER-IN-CHARGE SEPARATELY.
- 'DK' IS DEPTH OF KEY AT BASE SLAB.
FOR BASE SLAB THICKNESS VALUE OF 'DK'
UPTO 900mm 1200mm.
GREATER THAN 900mm e+300mm
e = BASE SLAB THICKNESS



*d DECK SLAB THICKNESS AT INNER EDGE OF KERB AS SHOWN IN SECTION 1-1



Project Title:-

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-2

CLIENT:



NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD

Drawing Title:

GENERAL ARRANGEMENT DRAWING OF BOX CULVERT

Drawing No. :- TASPL/NHIDCL/DDPR/BOX CUL/10

Sheet :

Scale :- NTS

Drn Dgn. Appd

D.S. B.Mishra B.S.Pandey

Date

DEC- 2019

CONSULTANT:



Technocrats Advisory Services Private Limited

in association with Vaishnavi Infotech Services P. Ltd

68,Ajanta Apartments, 36, I.P. Extension Patparganj Delhi-110092.

MISCELLANEOUS DRAWING



CAUTIONARY/WARNING SIGNS



Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-2

CLIENT:



NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD

Drawing Title:

ROAD SIGNS-I

Drawing No. :- TASPL/NHIDCL/DDPR/MISC/11

Scale :- NTS

Drn Dgn. Appd

Deepak B.Mishra B.S.Pandey

Sheet :

01 OF 03

Date

DEC- 2019

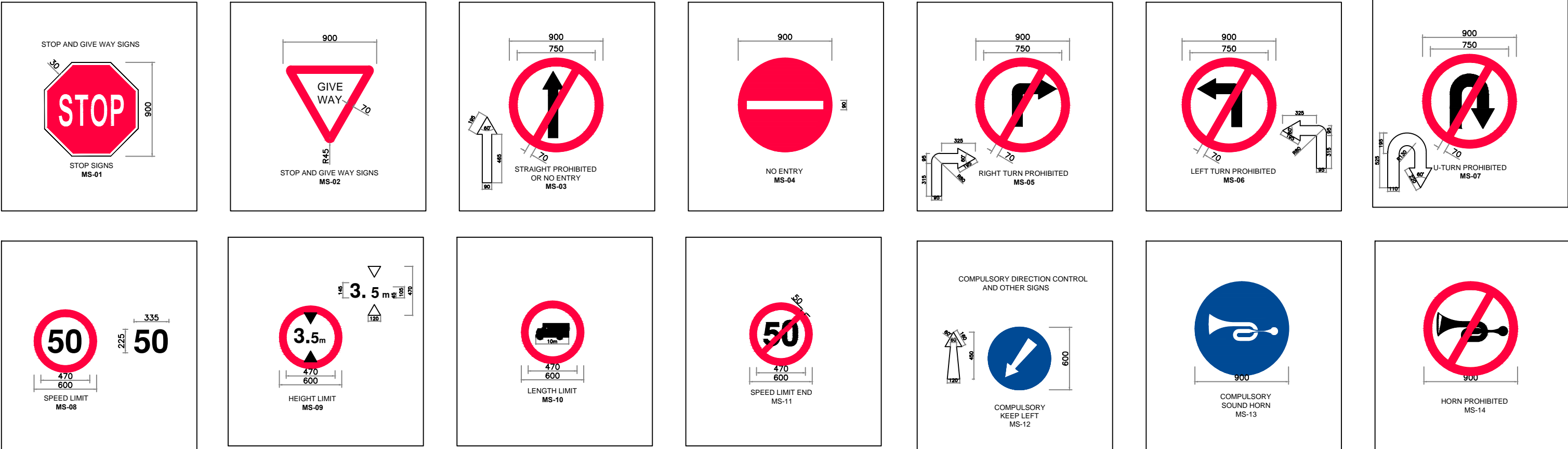
CONSULTANT:



Technocrats Advisory Services Private Limited

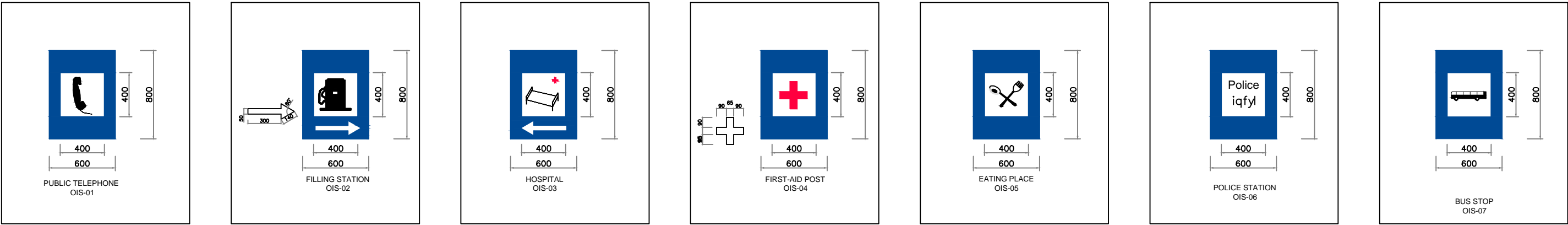
in association with Vaishnavi Infratech Services P. Ltd
68, Ajanta Apartments, 36, I.P. Extension
Patparganj Delhi-110092.

MANDATORY/REGULATORY SIGNS

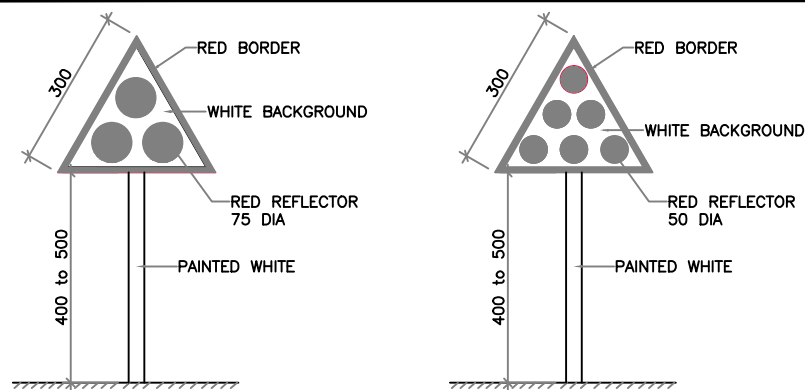


INFORMATORY SIGN BOARD:-

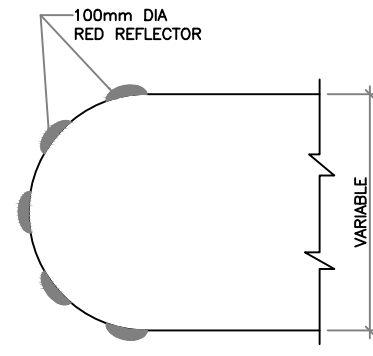
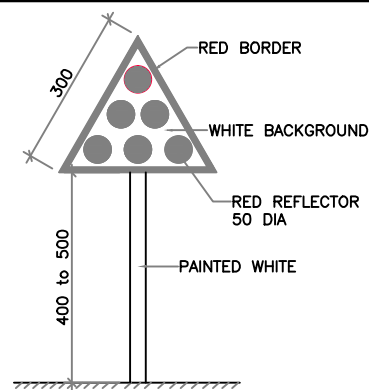
(A) FACILITY INFORMATION SIGNS



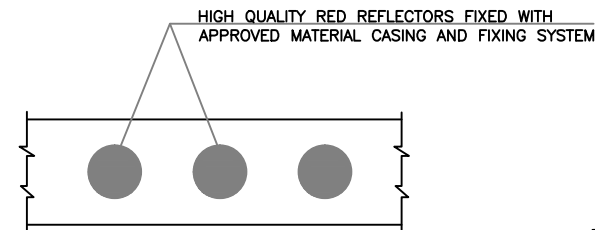
(B) DIRECTION AND PLACE IDENTIFICATION SIGNS



CLUSTER OF RED REFLECTORS
TA-1

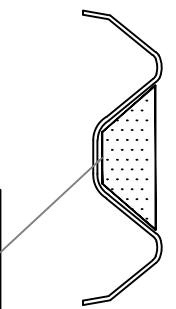


PLAN

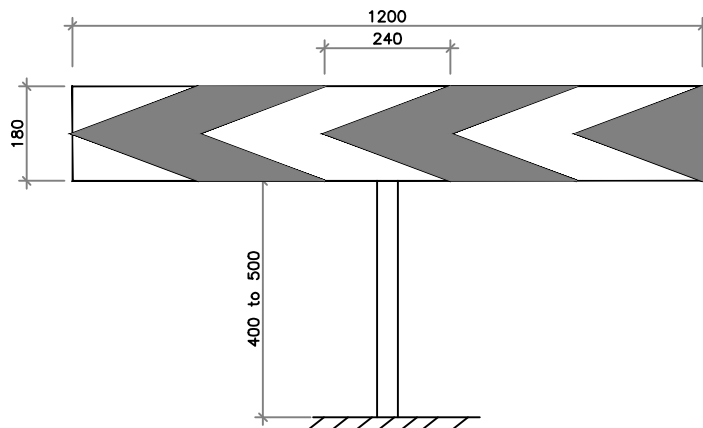


ELEVATION

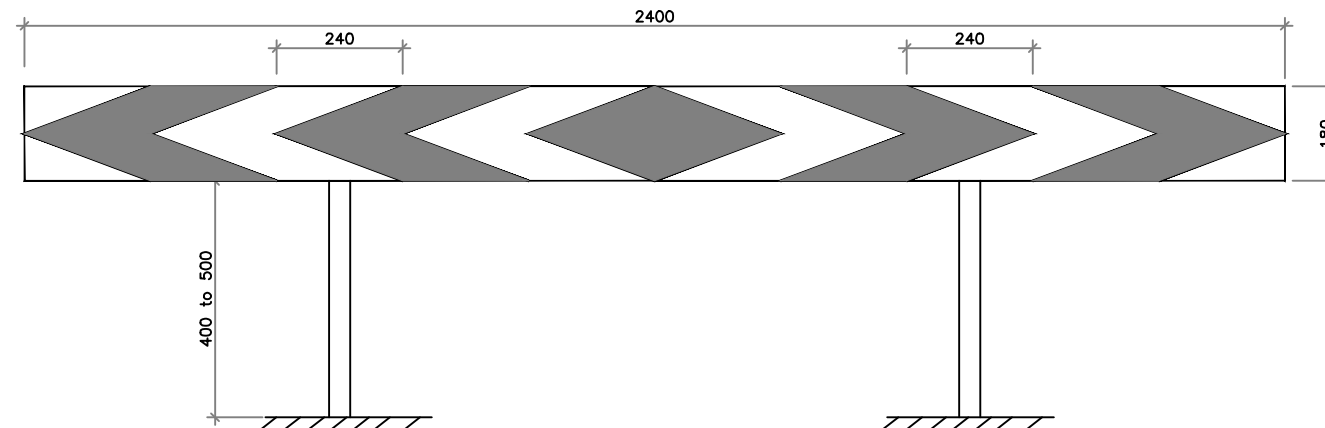
HIGH QUALITY RED REFLECTORS OF APPROVED SIZE AND SHAPE (TO FIXED IN THE SHAPE OF W-BEAM), FIXED WITH APPROVED MATERIAL, CASING ANF FIXUP SYSTEM



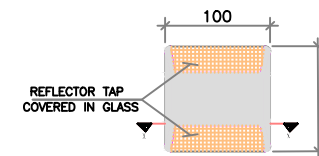
ON W-BEAM OF
METAL BEAM
CRASH BARRIER
TA-5



ONE-WAY HAZARD MARKER
TA-2

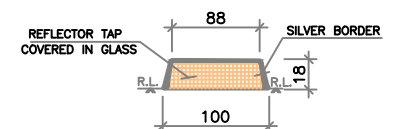


TWO-WAY HAZARD MARKER
TA-3



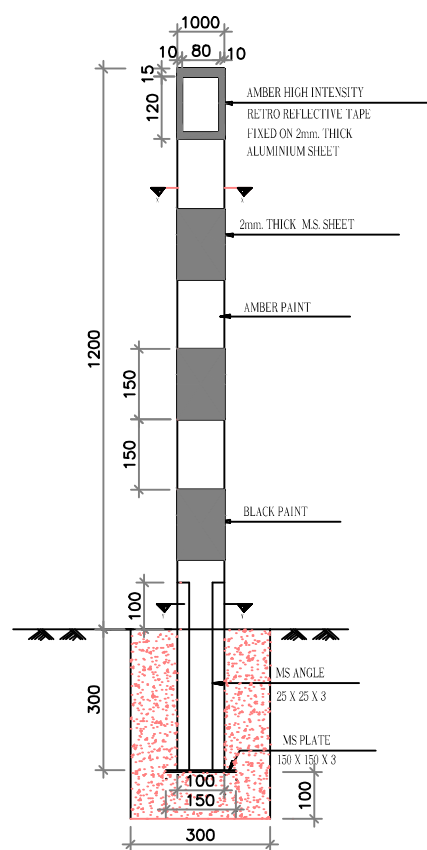
PLAN

Road Studs
(Cateyes)

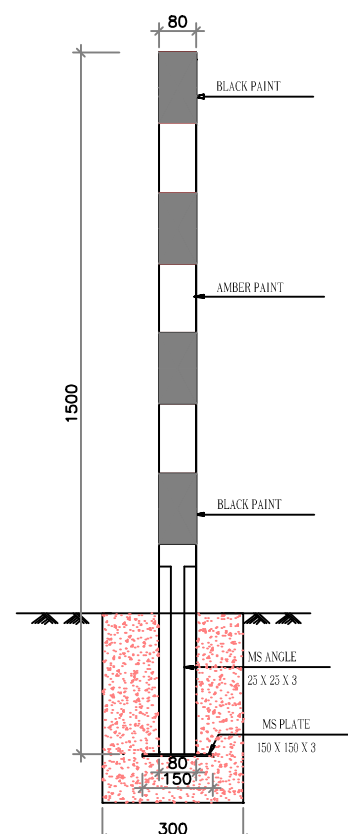


Section X - X

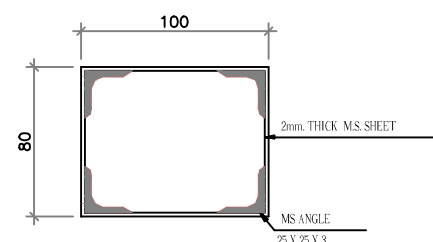
Road Studs
(Cateyes)



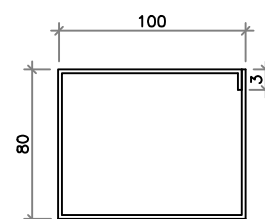
FRONT VIEW



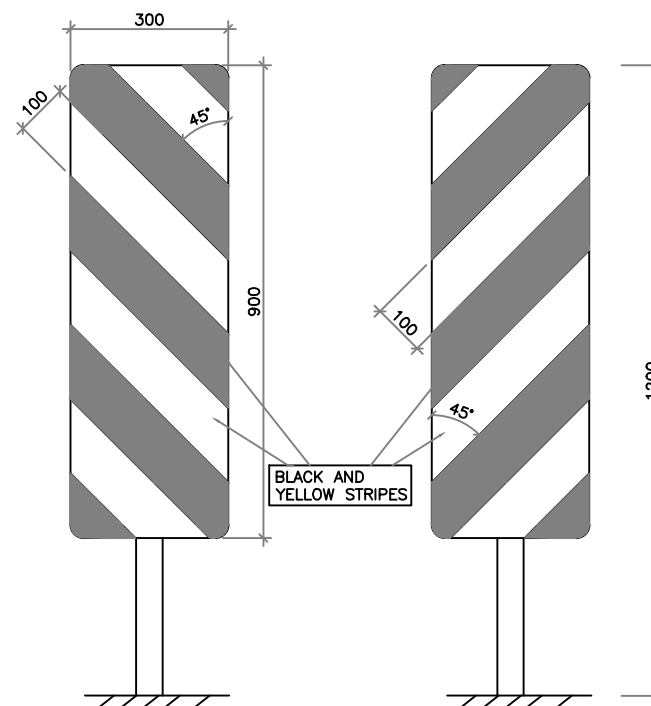
SIDE VIEW



SECTION Y-Y



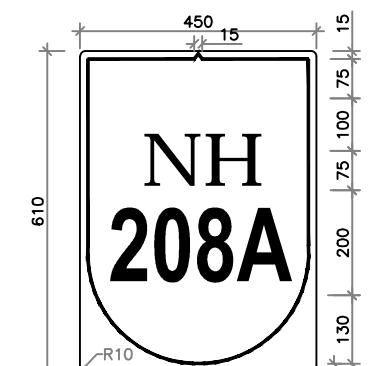
SECTION X-X



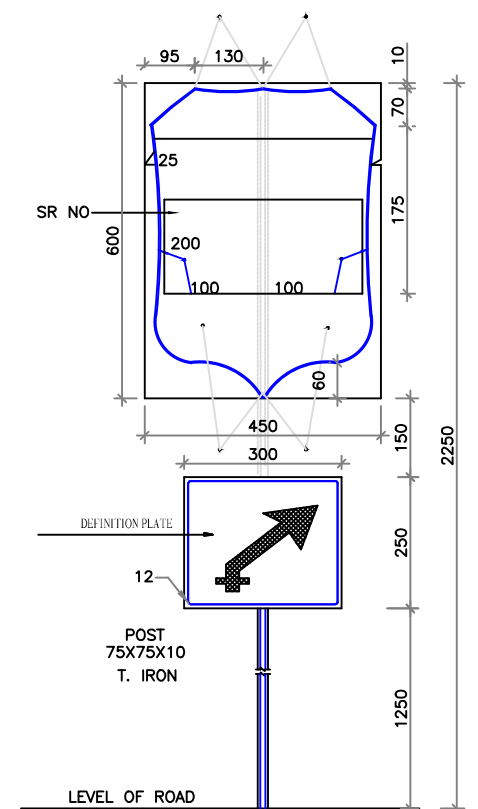
LEFT

RIGHT

OBJECT HAZARD MARKERS



NH ROUTE MARKER SIGN
IS-07



ASSEMBLY OF ROUTE MARK SIGN
ARRANGEMENT FOR ERECTION OF
STATE ROUTE MARKER SIGN



Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-2

CLIENT:



NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD

Drawing Title:

ROAD SIGNS-III

Drawing No. :- TASPL/NHIDCL/DDPR/MISC/11

Scale :- NTS

Drn

Dgn.

Appd

Deepak

B.Mishra

B.S.Pandey

Sheet :

03 OF 03

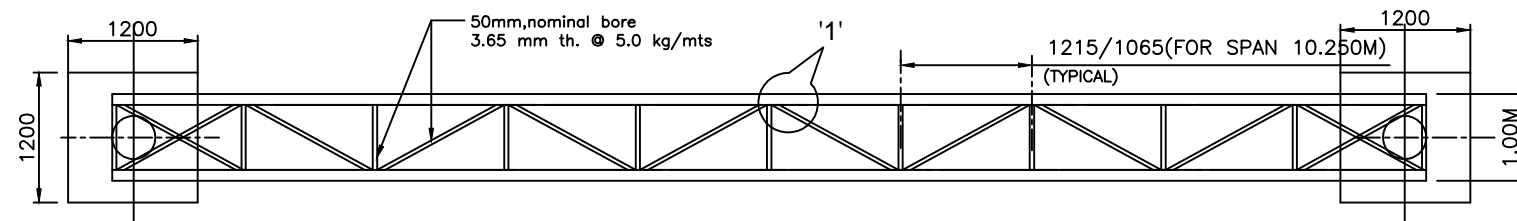
Date

DEC- 2019

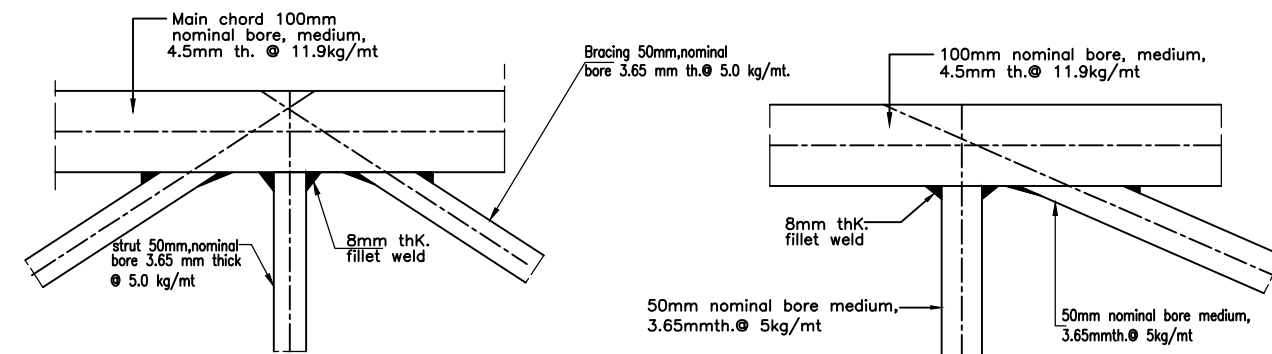
CONSULTANT:



Technocrats Advisory Services Private Limited
in association with Vaishnavi Infratech Services P. Ltd
68, Ajanta Apartments, 36, I.P. Extension
Patparganj Delhi-110092.

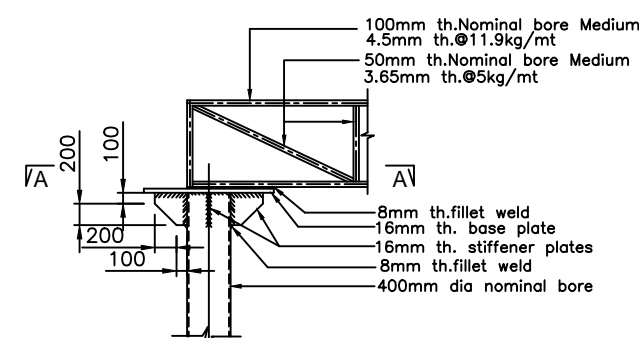
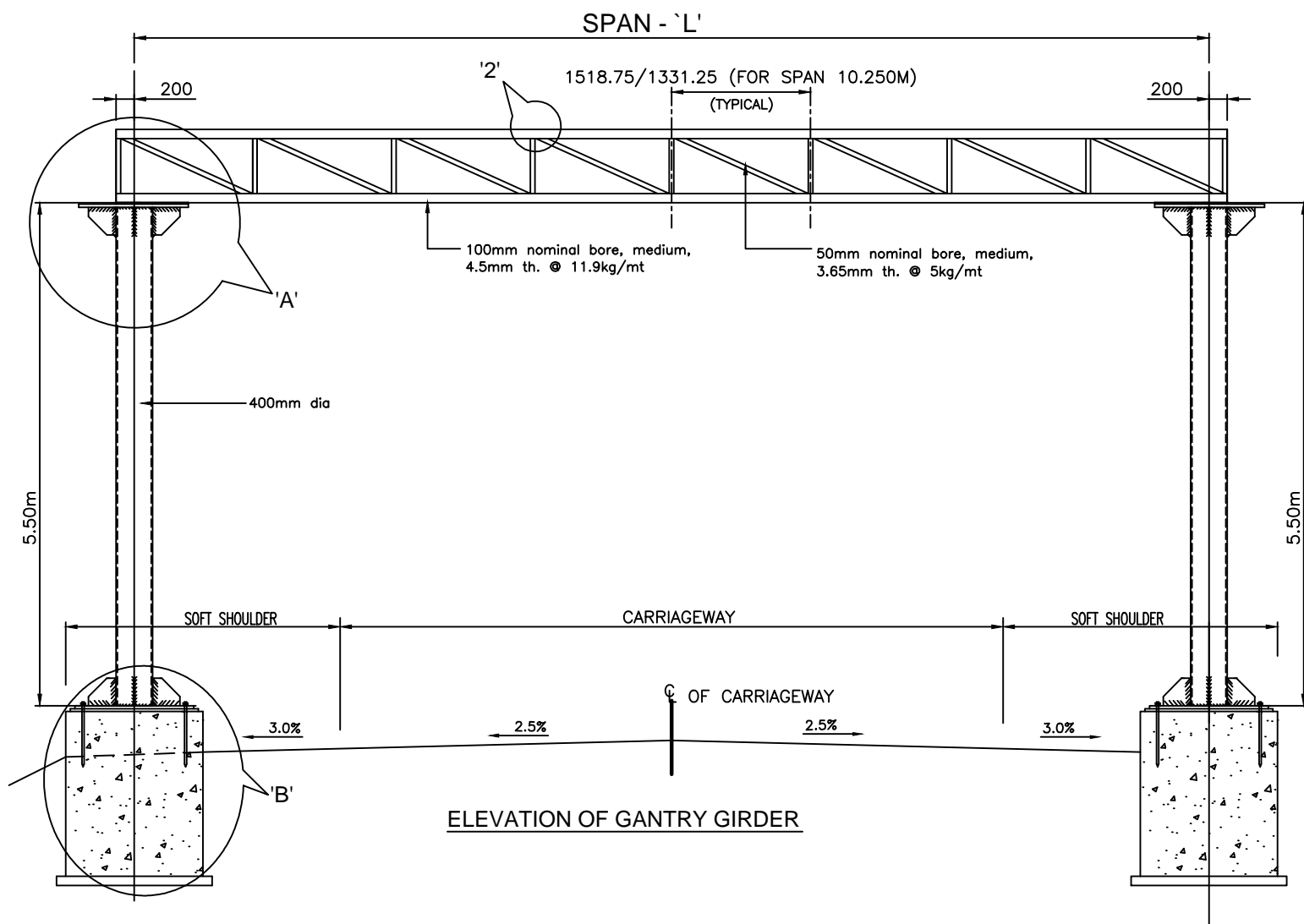


TOP/BOTTOM PLAN

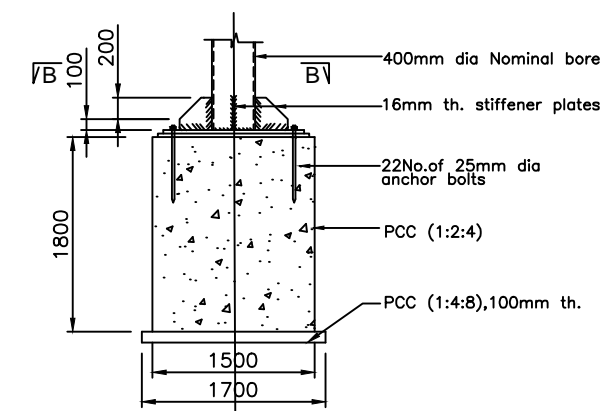


DETAIL-1

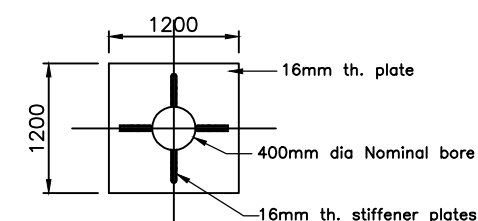
DETAIL-2



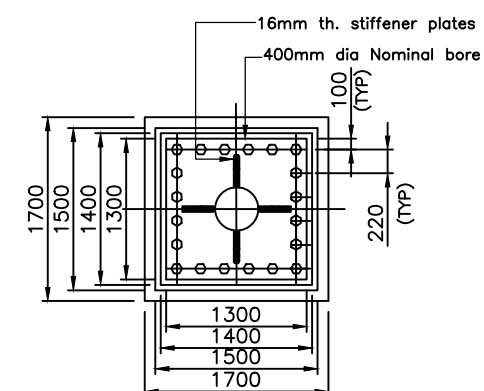
DETAIL - A



DETAIL - B



SECTION A-A
PLAN



SECTION B-B
COLUMN BASE DETAILS



Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-2

CLIENT:



NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD

Drawing Title:

TYPICAL DETAILS OF OVERHEAD GANTRY

Drawing No. :- TASPL/NHIDCL/DDPR/MISC/11

Sheet :

Scale :- NTS

01 OF 01

Drn

Dgn.

Appd

Date

Deepak

B.Mishra

B.S.Pandey

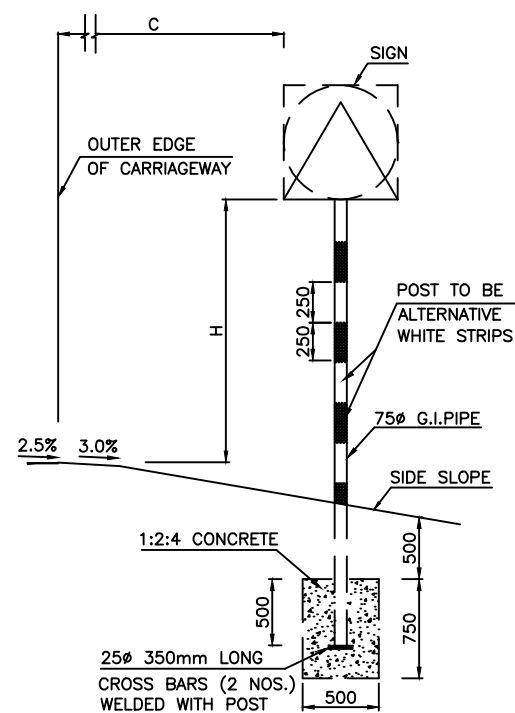
DEC- 2019

CONSULTANT:

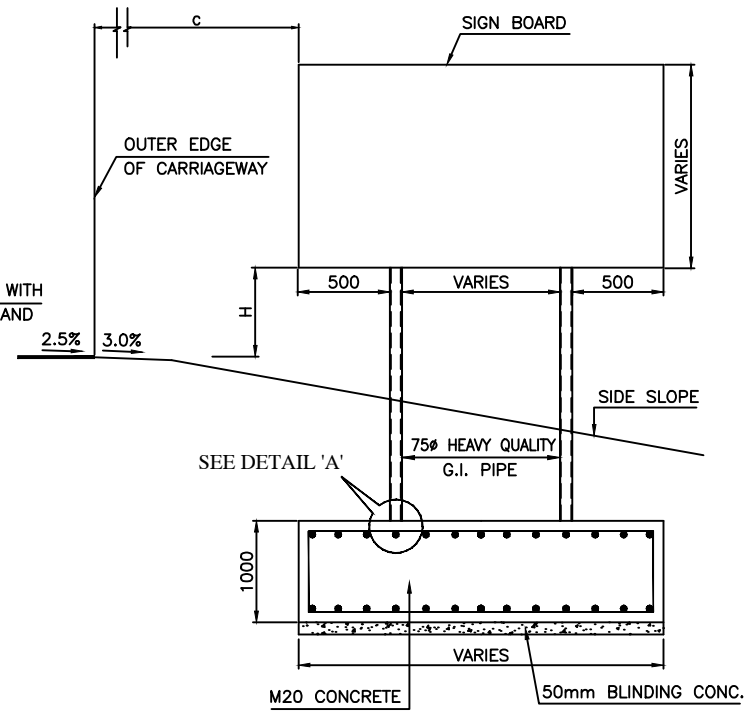


Technocrats Advisory Services Private Limited

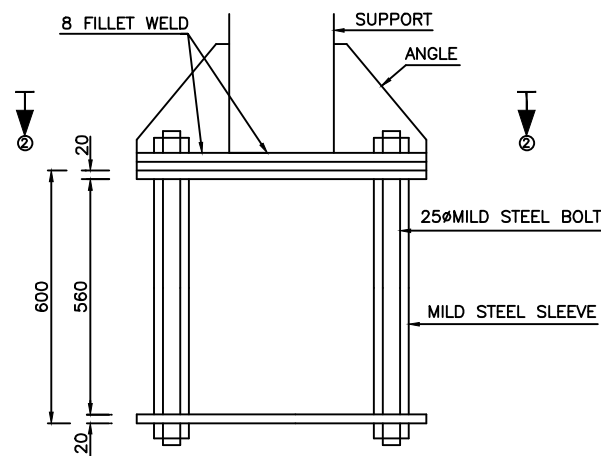
in association with Vaishnavi Infratech Services P. Ltd
68, Ajanta Apartments, 36, I.P. Extension
Patparganj Delhi-110092.



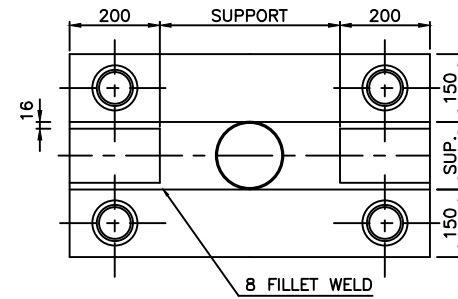
DETAILS FOR SIGN WITH SINGLE SUPPORT



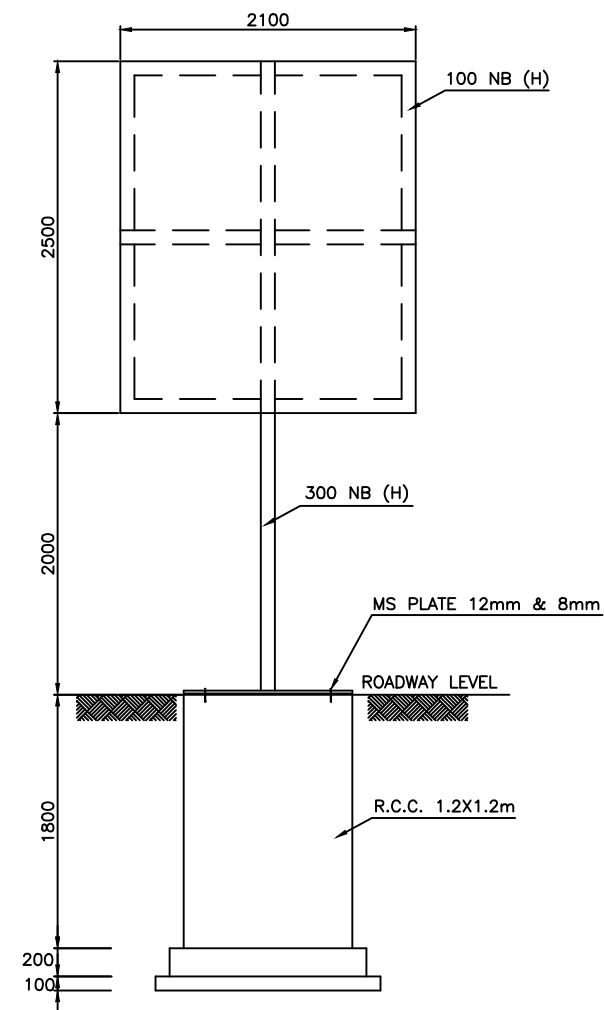
DETAILS FOR SIGN WITH DOUBLE SUPPORT



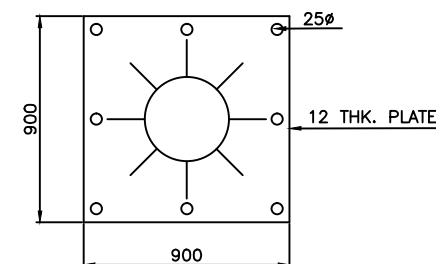
DETAIL-A



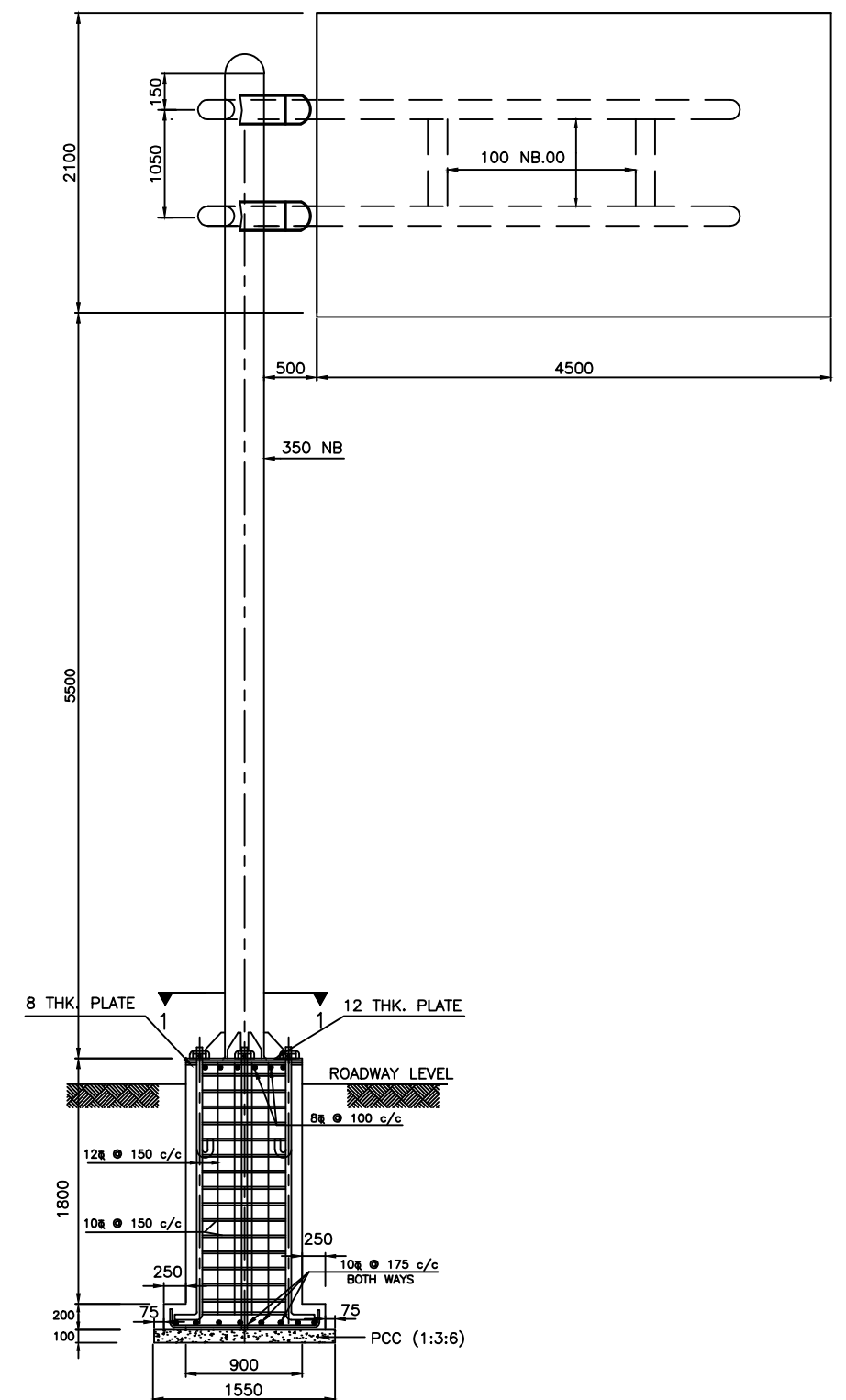
SECTION 2-2



DETAILS OF SIGN POST



SECTION 1-1



DETAILS FOR CANTILEVER TYPE OVERHEAD SIGN



Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-2

CLIENT:



NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD

Drawing Title:

TYPICAL CANTILEVER TYPE OVERHEAD SIGN

Drawing No. :- TASPL/NHIDCL/DDPR/MISC/11

Scale :- NTS

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Appd

Deepak

B.Mishra

B.S.Pandey

Sheet :

01 OF 01

Date

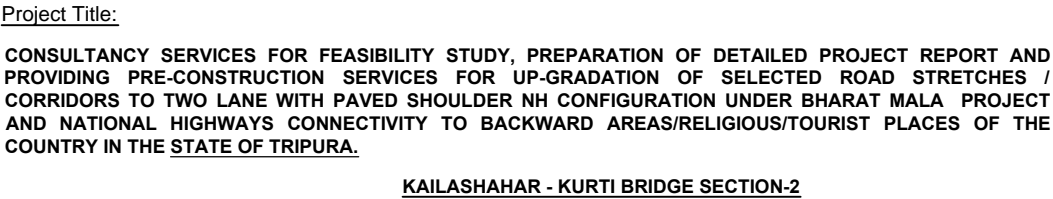
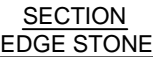
DEC- 2019

CONSULTANT:

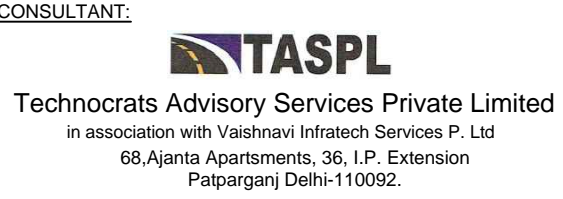


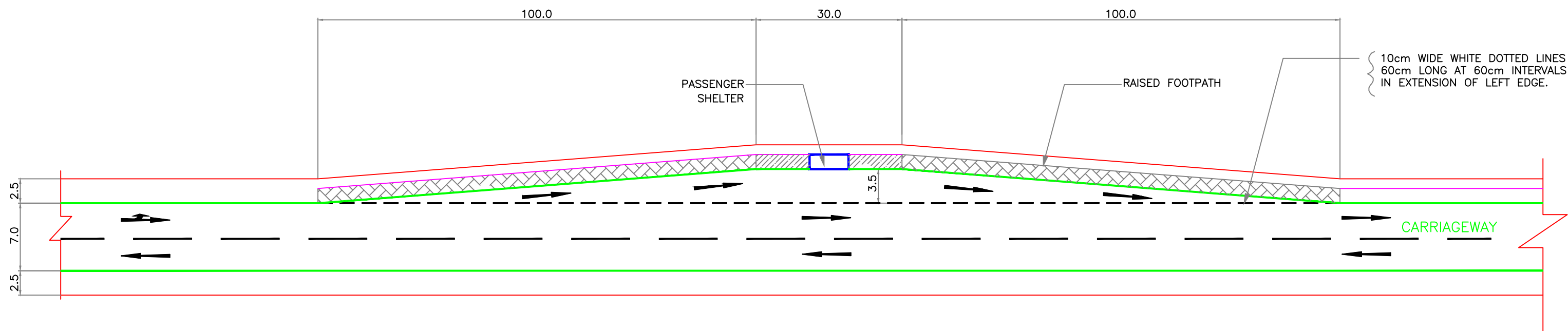
Technocrats Advisory Services Private Limited

in association with Vaishnavi Infratech Services P. Ltd
68, Ajanta Apartments, 36, I.P. Extension
Patparganj Delhi-110092.



Drawing Title:				PARAPET, RAILING AND EDGE STONE	
Drawing No. :-				TASPL/NHIDCL/DDPR/MISC/11	
Scale :-				NTS	
Drn		Dgn.		Appd	
Deepak		B.Mishra		B. S.Pandey	
Sheet :				01 OF 01	
				Date	
				DEC- 2019	





TYPE-I LAYOUT FOR PICK-UP BUS STOP LAY-BYE IN RURAL AREAS IRC-SP73



Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-2

CLIENT:



NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD

Drawing Title:

TYPICAL LAYOUT FOR BUS STOP LAY-BYE

Drawing No. :- TASPL/NHIDCL/DDPR/MISC/11

Sheet :

Scale :- NTS

01 OF 01

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Dgn.

Appd

Date

Deepak

B.Mishra

B.S.Pandey

DEC- 2019

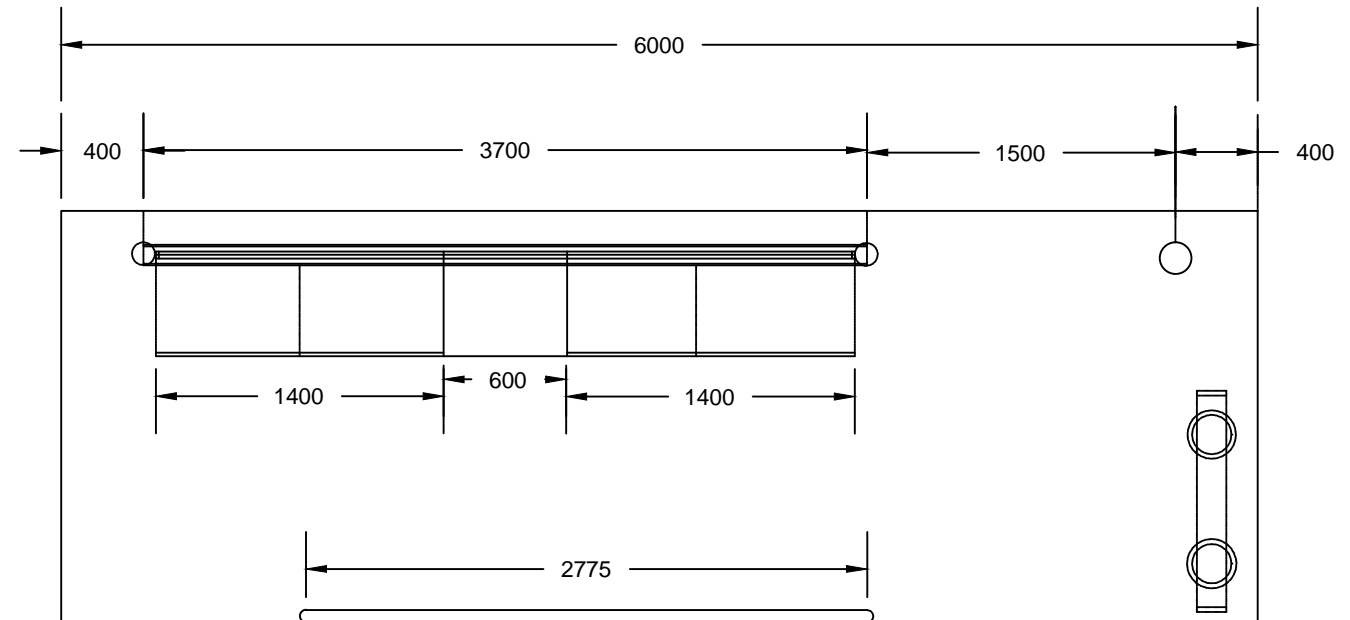
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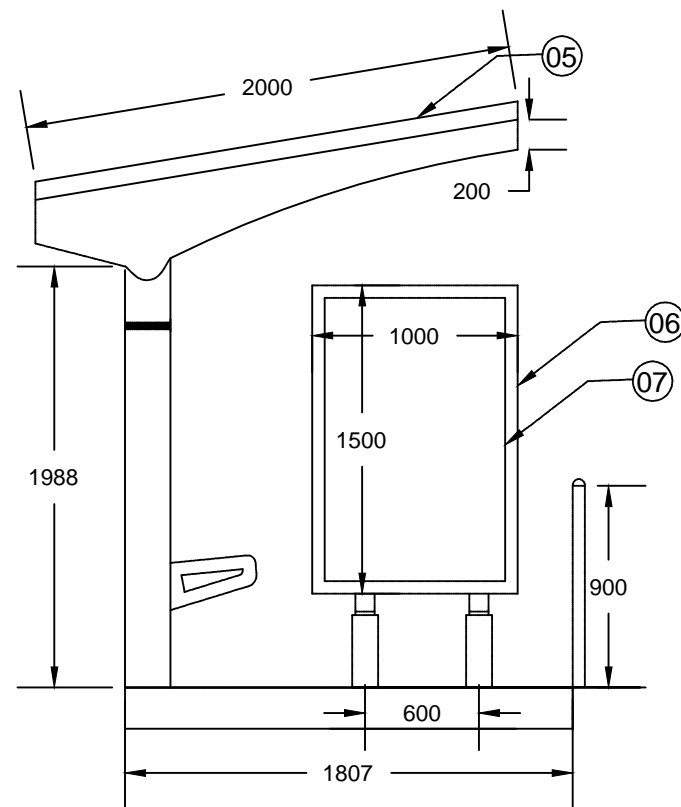
Technocrats Advisory Services Private Limited

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68, Ajanta Apartments, 36, I.P. Extension
Patparganj Delhi-110092.

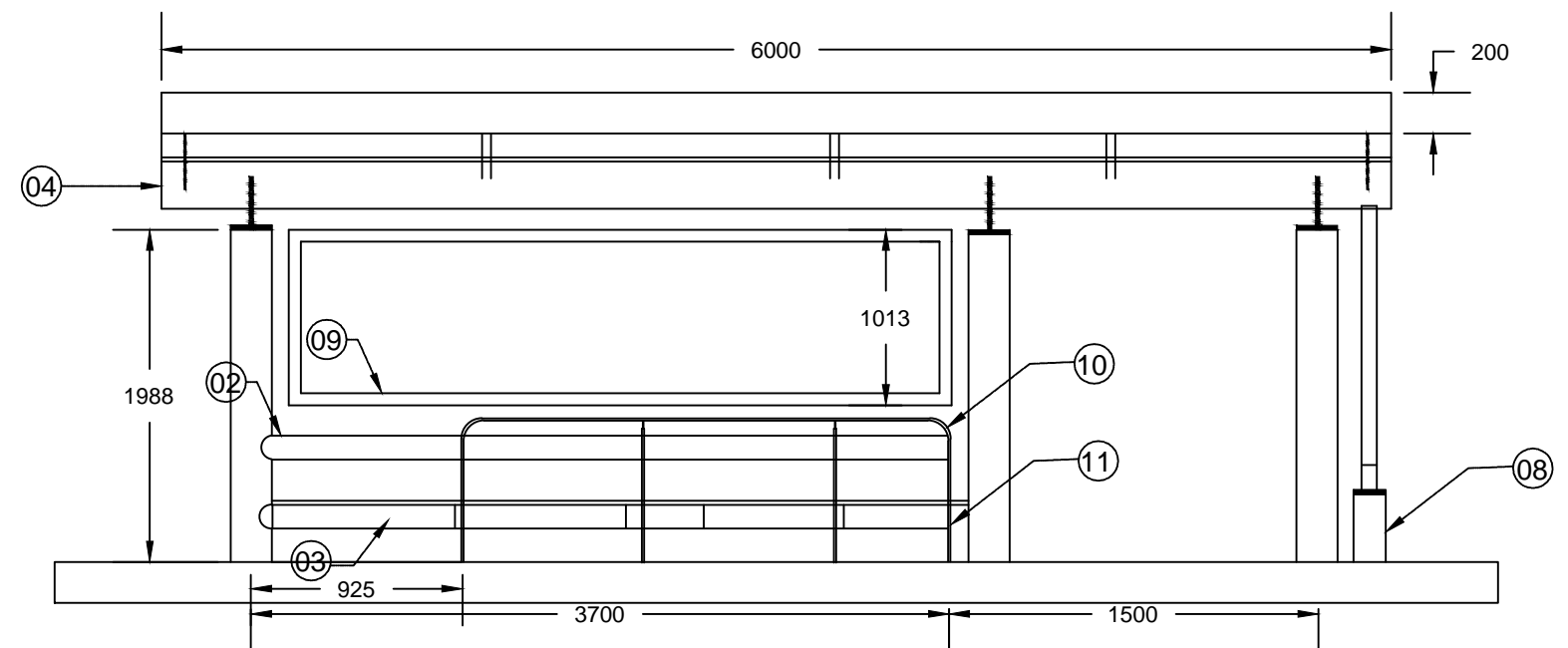
SR	DESCRIPTION	SIZE	MATERIAL
01	MAIN VERTICAL COLUMNS	OD.200mm X15 SWG	S.S 304
02	BACK SUPPORT PIPE	OD'75MM X17 SWG	S.S 304
03	BENCH SUPPORT PIPE	OD.150 X15 SWG	S.S 304
04	ROOF SUPPORT PIPE	OD.200mm X15 SWG	S.S 304
05	ROOF SUPPORT PLATES	2.5MM THK.	S.S 304
06	ADV BORD OUTER FRAME	100X40 X18 SWG	S.S 304
07	ADV BORD INNER FRAME	25X25X 18 SWG	M.S/G.I
08	ADV BORD COLUMNS (SIDE)	OD.150MM X15 SWG	S.S 304
09	ADV BORD FRAME (MAIN)	25X25X 18SWG	M.S/G.I
10	RAILING	OD.75MM X17 SWG	S.S 304
11	RAILING COLUMNS	OD.50MM X18 SWG	S.S 304



TOP PLAN



SIDE VIEW



FRONT ELEVATION

NOTE:- ALL DIMENSIONS ARE IN MM.



Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-2

CLIENT:



NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD

Drawing Title:

TYPICAL LAYOUT FOR BUS SHELTER

Drawing No. :- TASPL/NHIDCL/DDPR/MISC/11

Sheet :

Scale :- NTS

01 OF 01

Drn

Dgn.

Appd

Date

Deepak

B.Mishra

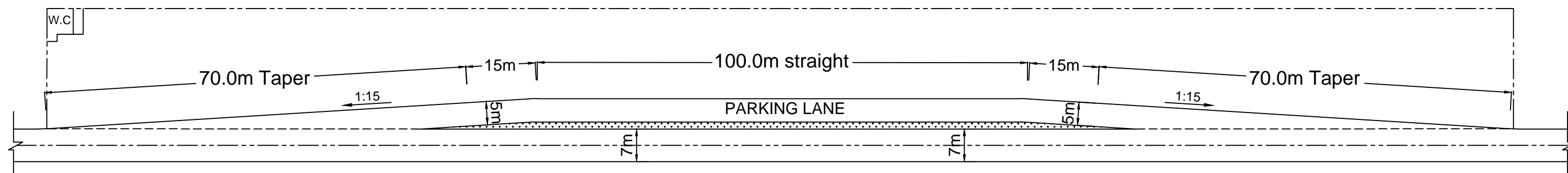
B.S.Pandey

DEC- 2019

CONSULTANT:



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in association with Vaishnavi Infratech Services P. Ltd
68, Ajanta Apartments, 36, I.P. Extension
Patparganj Delhi-110092.



TYPICAL LAYOUT OF TRUCK LAY BYE IRC-SP73



Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-2

CLIENT:



NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD

Drawing Title:

TYPICAL LAYOUT OF TRUCK LAY BYE

Drawing No. :- TASPL/NHIDCL/DDPR/MISC/11

Sheet :

Scale :- NTS

01 OF 01

Drm

Dgn.

Appd

Date

Deepak

B.Mishra

B.S.Pandey

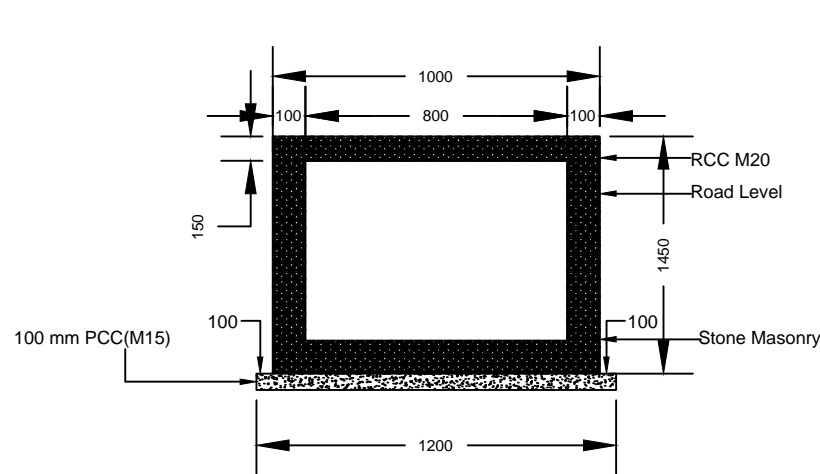
DEC- 2019

CONSULTANT:

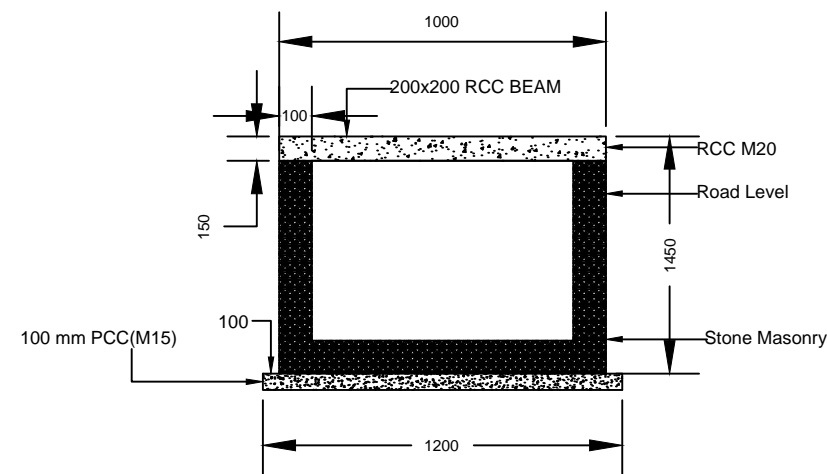


Technocrats Advisory Services Private Limited

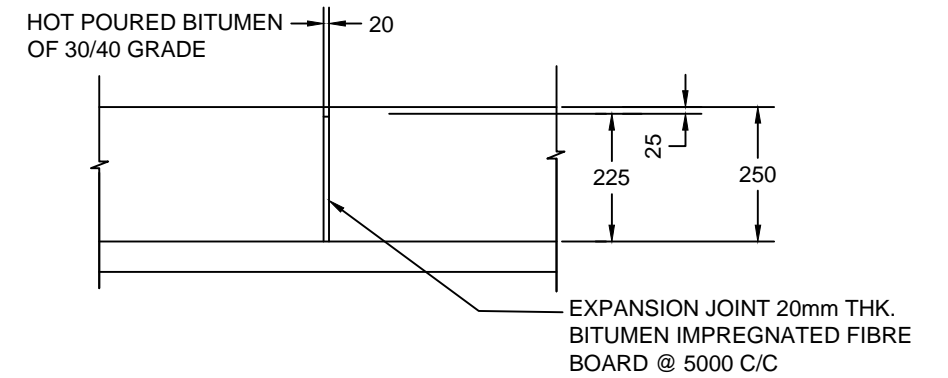
in association with Vaishnavi Infratech Services P. Ltd
68, Ajanta Apartments, 36, I.P. Extension
Patparganj Delhi-110092.



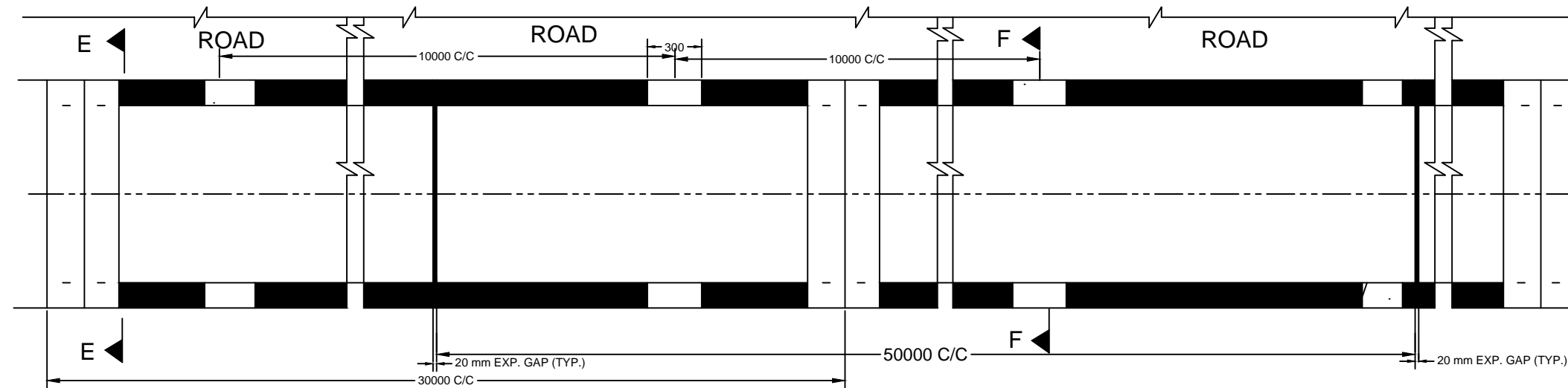
SECTION OF RCC COVERED DRAIN
SECTION E-E



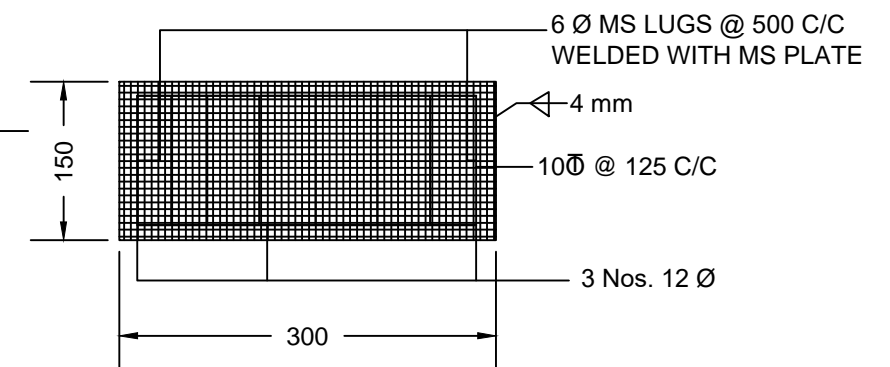
SECTION OF RCC COVERED DRAIN
SECTION F-F



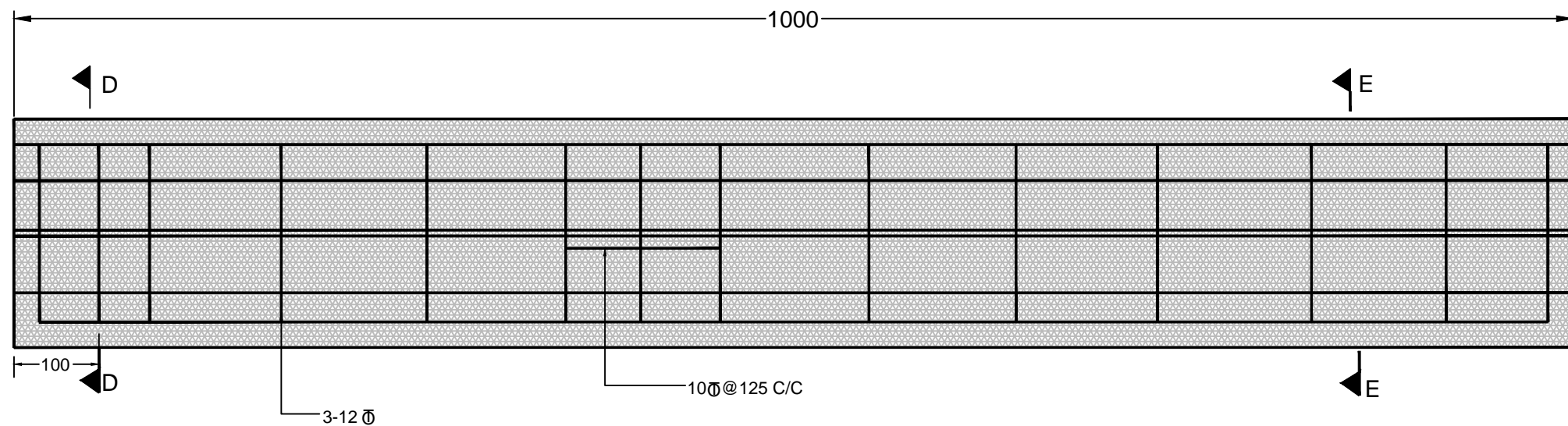
DETAIL OF EXP. JOINT



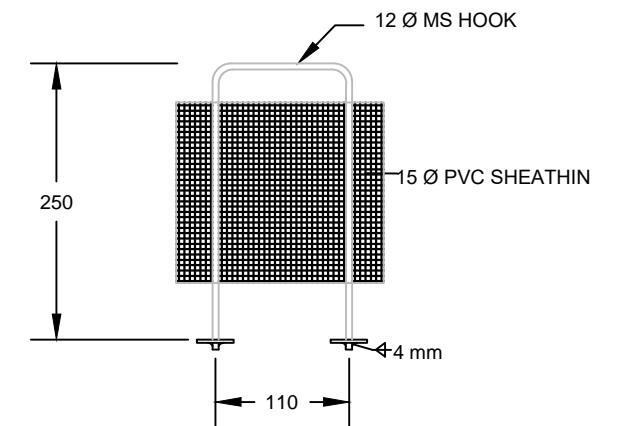
PLAN OF OPEN DRAIN



SECTION D-D



SECTIONAL PLAN OF PRECAST SLAB



SECTION E-E



Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-2

CLIENT:



NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD

Drawing Title:

TYPICAL DETAIL OF RCC COVERED

Drawing No. :- TASPL/NHIDCL/DDPR/MISC/11

Scale :- NTS

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Dgn.

Appd

Deepak

B.Mishra

B.S.Pandey

Sheet :

01 OF 01

Date

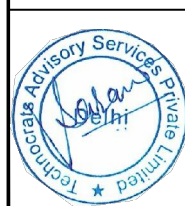
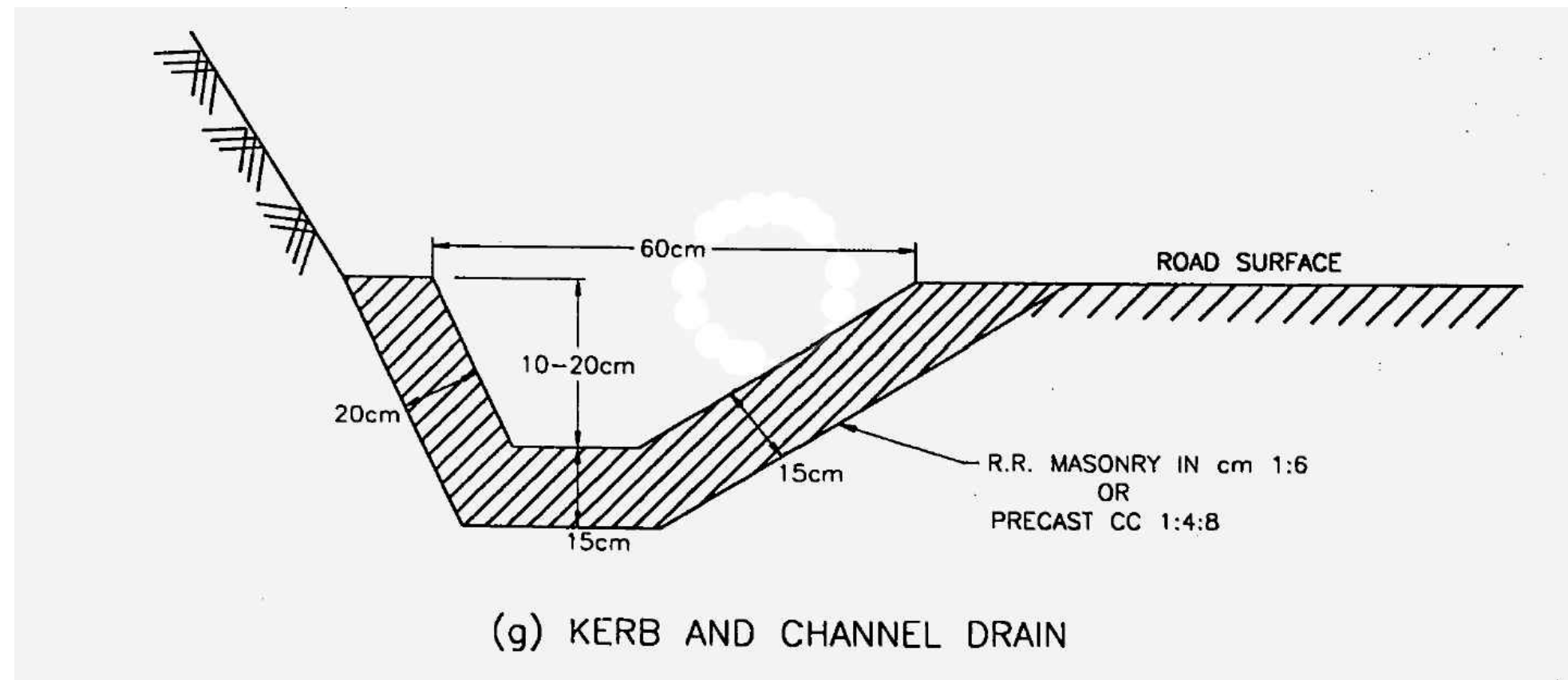
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CONSULTANT:



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in association with Vaishnavi Infratech Services P. Ltd
68,Ajanta Apartments, 36, I.P. Extension
Patparganj Delhi-110092.



Project Title:
CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-2

CLIENT:

**NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD**

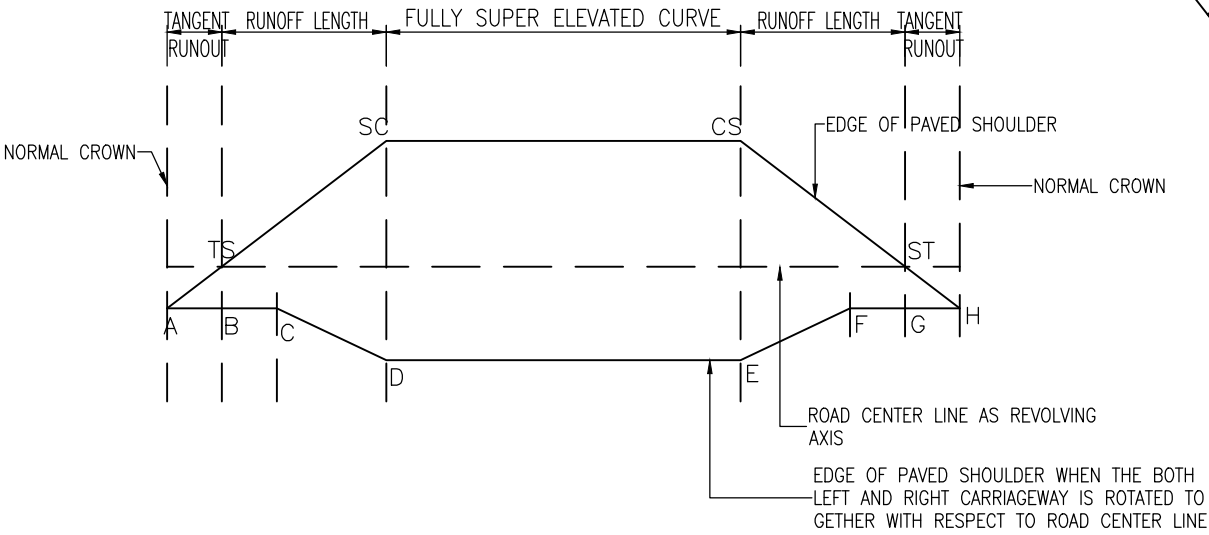
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KERB CHANNEL DRAIN

Drawing No. :- TASPL/NHIDCL/DDPR/MISC/11			Sheet :
Scale :- NTS			01 OF 01
Drm	Dgn.	Appd	Date
Deepak	B.Mishra	B.S.Pandey	DEC- 2019

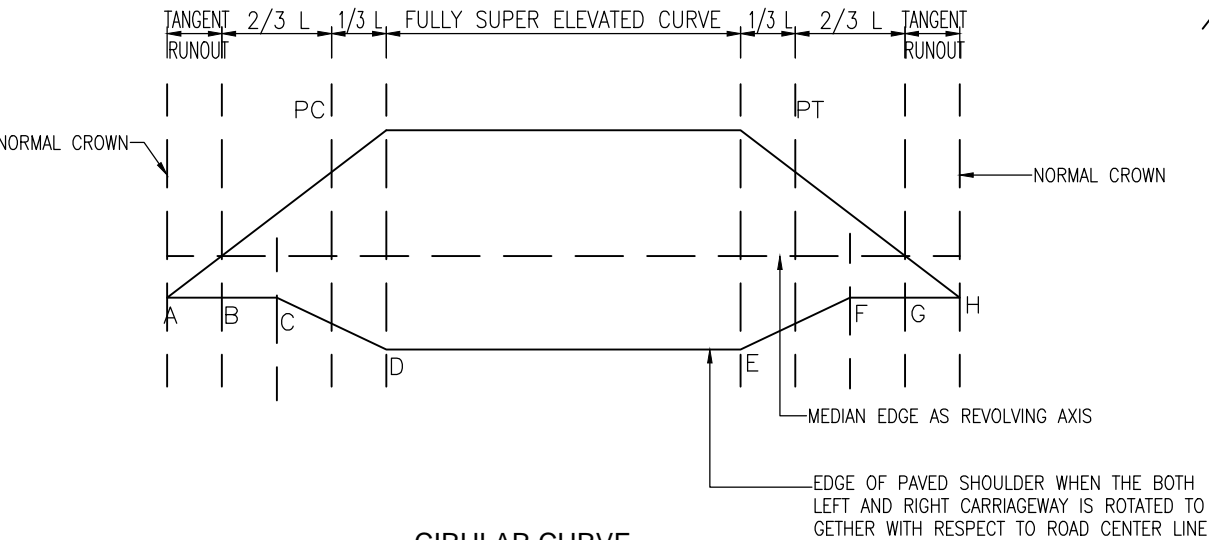
CONSULTANT:

Technocrats Advisory Services Private Limited
 in association with Vaishnavi Infratech Services P. Ltd
 68, Ajanta Apartments, 36, I.P. Extension
 Patparganj Delhi-110092.

DETAILS OF SUPERELVATION

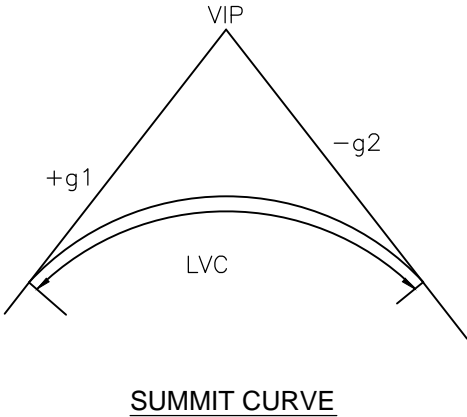
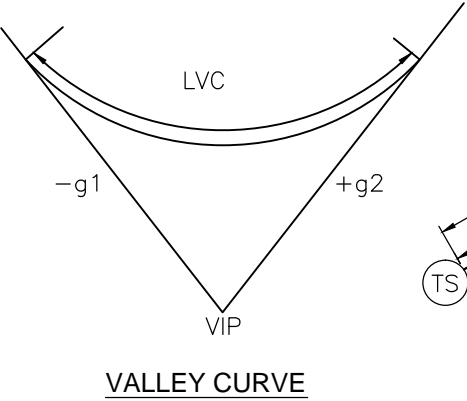


CIRCULAR CURVE WITH TRANSITION

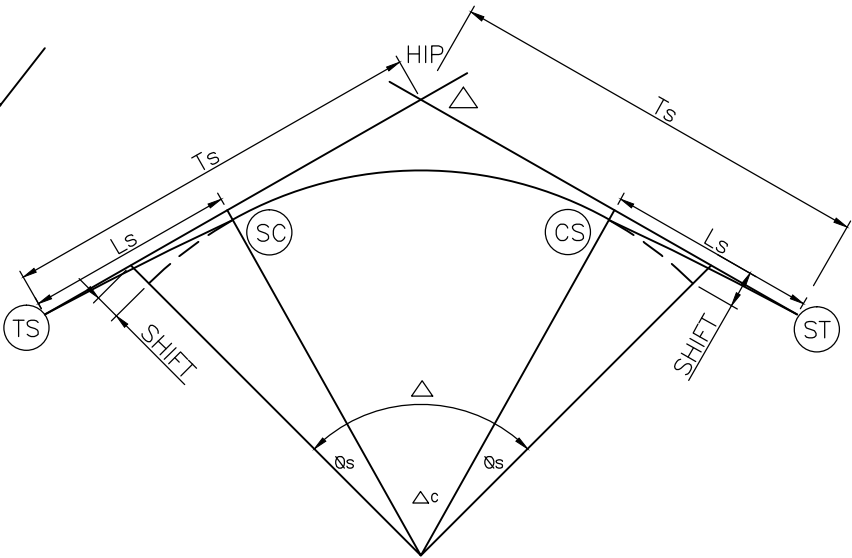


CIRCULAR CURVE

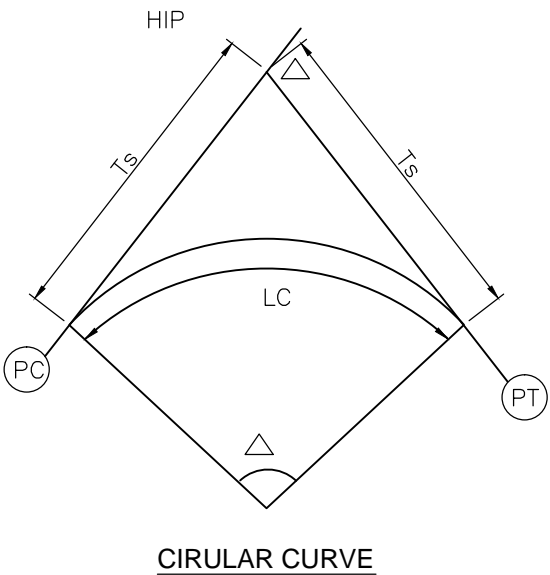
DETAILS OF VERTICAL CURVE



DETAILS OF HORIZONTAL CURVE



CIRCULAR CURVE WITH TRANSITION



- (TS) TANGENT TO SPIRAL
- (SC) SPIRAL TO CURVE
- (CS) CURVE TO SPIRAL
- (ST) SPIRAL TO TANGENT
- (PC) POINT OF CURVATURE
- (PT) POINT OF TANGENT
- HIP HORIZONTAL INTERSECTION POINT
- LS LENGTH OF TRANSITION
- Ts TANGENT DISTANCE
- Δ TOTAL DEVIATION ANGLE
- Δs DEVIATION ANGLE OF TRANSITION CURVE
- LVC LENGTH OF VERTICAL CURVE
- g1 VERTICAL GRADIENT
- VIP VERTICAL INTERSECTION POINT



Project Title:
CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.
KAILASHAHAR - KURTI BRIDGE SECTION-2

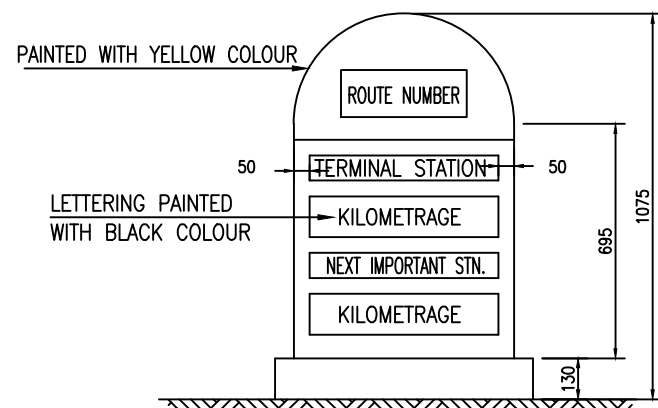
CLIENT:

NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD

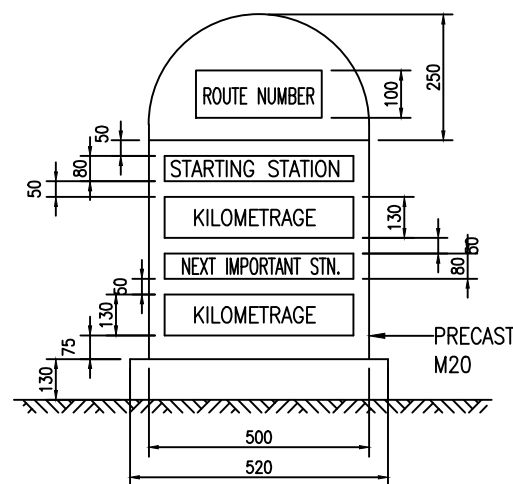
Drawing Title:
DETAILS OF CURVE & SUPER ELEVATION
Drawing No. :- **TASPL/NHIDCL/DDPR/MISC/11** Sheet :
Scale :- **NTS** **01 OF 01**
Drn Dgn. Appd Date
Deepak B.Mishra B.S.Pandey DEC- 2019

CONSULTANT:

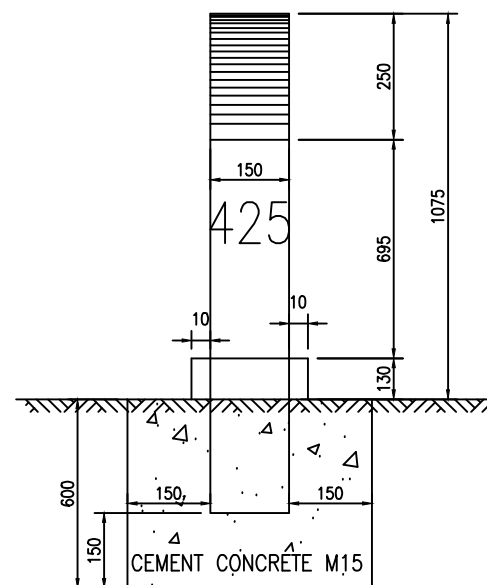
Technocrats Advisory Services Private Limited
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68,Ajanta Apartments, 36, I.P. Extension
Patparganj Delhi-110092.



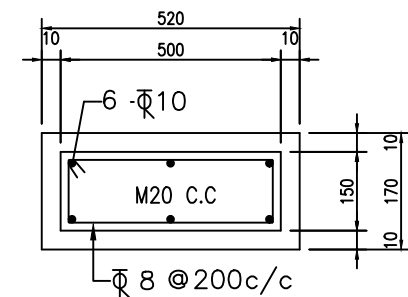
FACE 1



FACE 2



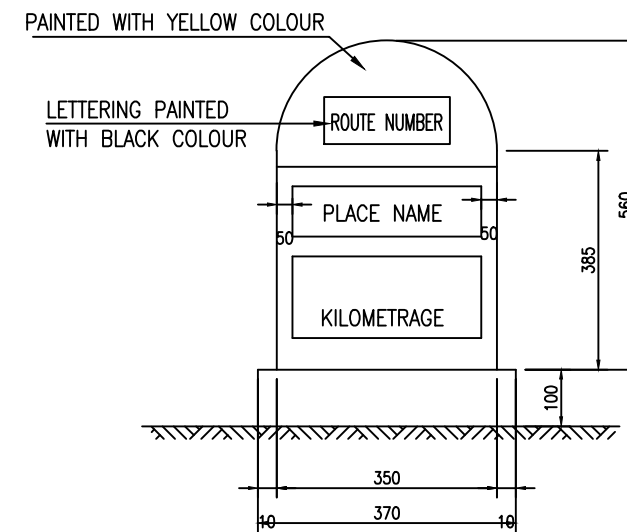
SIDE ELEVATION



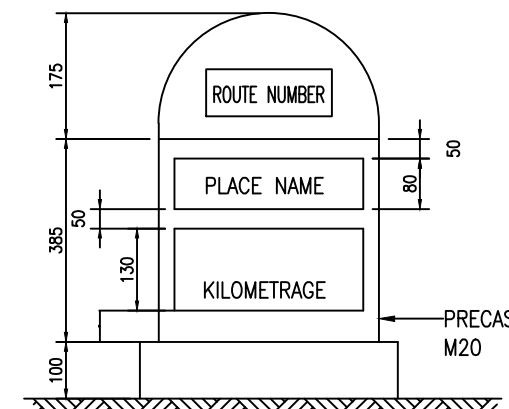
SECTIONAL PLAN

TYPICAL DESIGN FOR THE 5TH KILOMETRE STONE

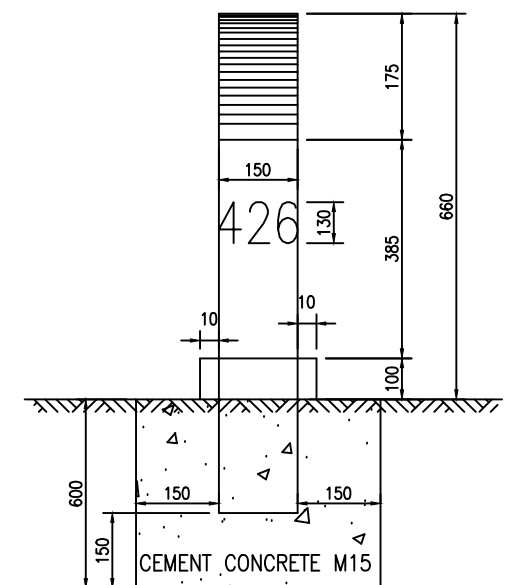
INDEX FOR KILOMETRE STONES		
Km No.	SCRIPT FOR PLACE NAMES	PLACE TO BE SHOWN
0	ROMAN	TERMINAL/STARTING STATION AND NEXT IMPORTANT TOWN
1	HINDI (DEVANAGARI SCRIPT)	NEXT IMPORTANT TOWN
2	LOCAL LANGUAGE	NEXT IMPORTANT TOWN
3	HINDI (DEVANAGARI SCRIPT)	TERMINAL / STARTING STATION
4	LOCAL LANGUAGE	TERMINAL / STARTING STATION
5	ROMAN	TERMINAL/STARTING STATION AND NEXT IMPORTANT TOWN
6	HINDI (DEVANAGARI SCRIPT)	NEXT IMPORTANT TOWN



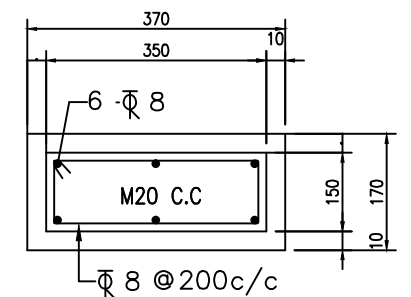
FACE 1



FACE 2



SIDE ELEVATION



SECTIONAL PLAN

TYPICAL DESIGN FOR ORDINARY KILOMETRE STONE

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. REFLECTORISED PAINT SHALL BE IN ACCORDANCE WITH CL.803.5 OF M.O.R.T & H SPEC.
3. FOR TYPE & STYLE SIZE OF LETTERING RELEVANT IRC CODE OF PRATICE SHALL BE REFERED.
4. LETTERING IS DONE WITH APPROVED QUALITY BLACK ENAMEL PAINT USING STENCIL



Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-2

CLIENT:



NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD

Drawing Title:

TYPICAL DRAWING OF KM STONE

Drawing No. :- TASPL/NHIDCL/DDPR/MISC/11

Sheet :

Scale :- NTS

01 OF 02

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Deepak

B.Mishra

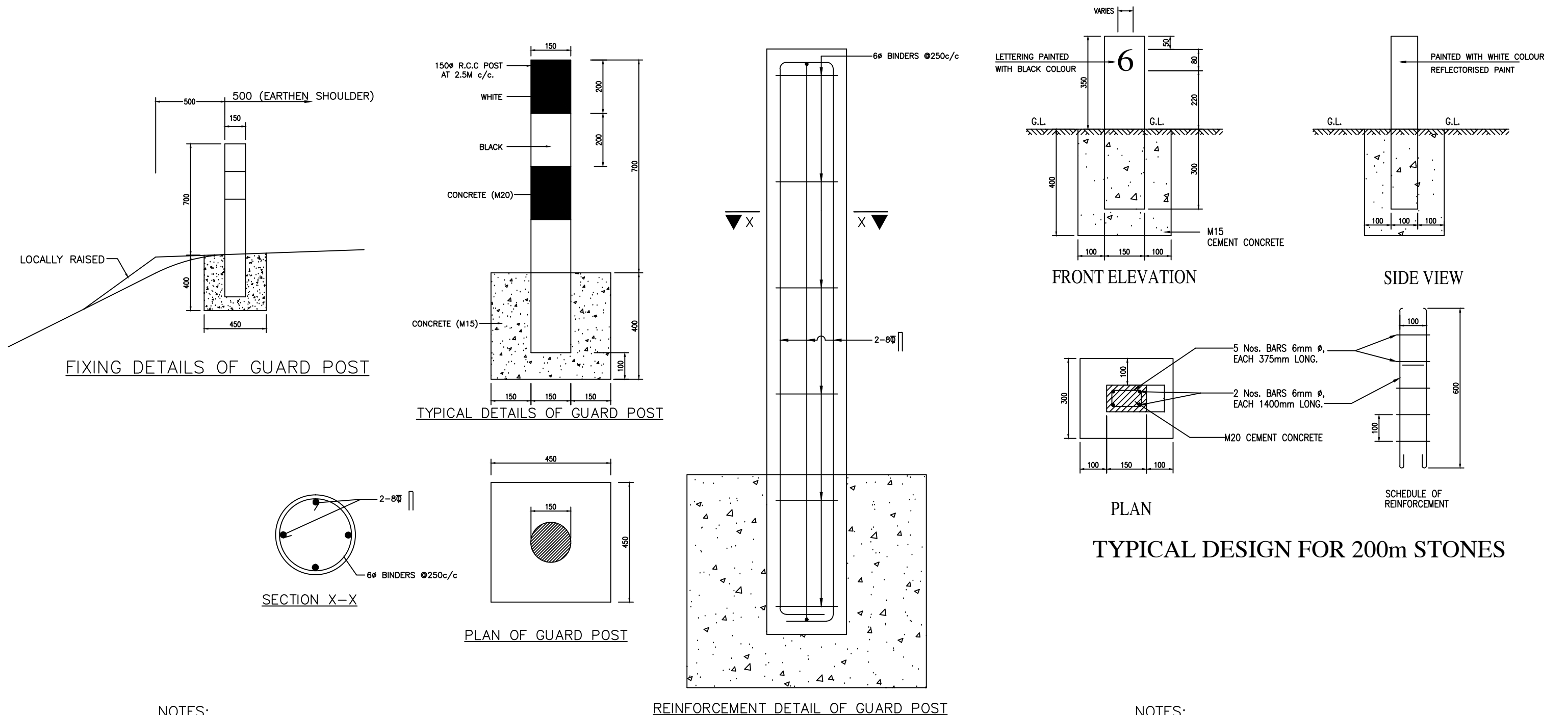
B.S.Pandey

DEC- 2019

CONSULTANT:



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Patparganj Delhi-110092.



NOTES:

1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE MENTIONED.
2. FOR EXACT DETAILS OF W-BEAM, REFER MANUFACTURER DRAWING.
3. W-BEAM BARRIER IS INSTALLED WHERE EMBANKMENT HEIGHT IS MORE THAN 6 METRES & AT IMMEDIATE BRIDGE APPROACHES.
4. R.C.C. GUARD POSTS IS TO BE INSTALLED AS PER THE INSTRUCTIONS OF ENGINEER.

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. REFLECTORISED PAINT SHALL BE IN ACCORDANCE WITH CL.803.5 OF M.O.R.T & H SPEC.
3. FOR TYPE & STYLE SIZE OF LETTERING RELEVANT IRC CODE OF PRATICE SHALL BE REFERED.
4. LETTERING IS DONE WITH APPROVED QUALITY BLACK ENAMEL PAINT USING STENCIL



Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-2

CLIENT:



NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD

Drawing Title:

TYPICAL DRAWING OF KM STONE

Drawing No. :- TASPL/NHIDCL/DDPR/MISC/11

Sheet :

Scale :- NTS

02 OF 02

Drn

Dgn.

Appd

Date

Deepak

B.Mishra

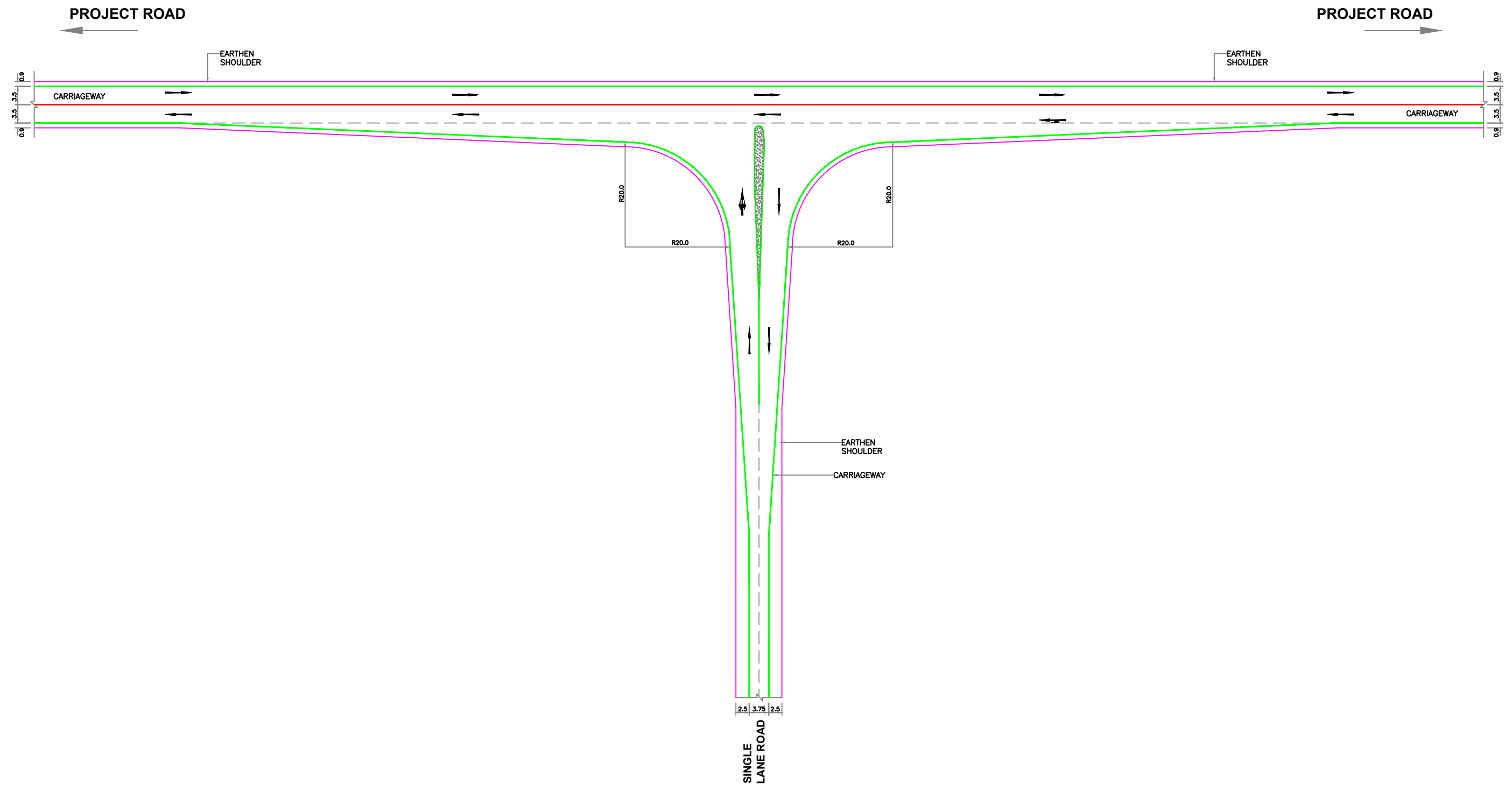
B.S.Pandey

DEC- 2019

CONSULTANT:



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Patparganj Delhi-110092.



TYPICAL 'THREE ARM' JUNCTION



Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-2

CLIENT:



NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD

Drawing Title:

TYPICAL 'T' JUNCTION

Drawing No. :- TASPL/NHIDCL/DDPR/MISC/11

Sheet :

Scale :- NTS

01 OF 03

Drn

Dgn.

Appd

Date

Deepak

B.Mishra

B.S.Pandey

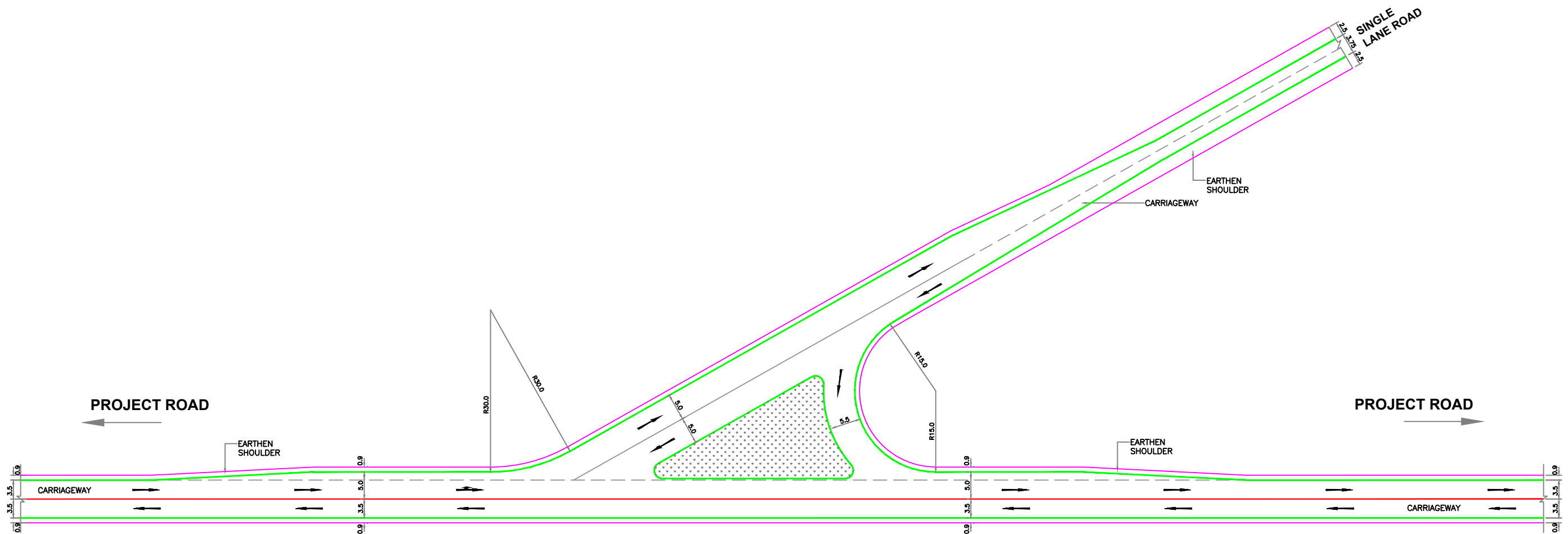
DEC- 2019

CONSULTANT:



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in association with Vaishnavi Infratech Services P. Ltd
68, Ajanta Apartments, 36, I.P. Extension
Patparganj Delhi-110092.



TYPICAL 'Y' JUNCTION



Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-2

CLIENT:



NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD

Drawing Title:

TYPICAL 'Y' JUNCTION

Drawing No. :- TASPL/NHIDCL/DDPR/MISC/11

Scale :- NTS

Drn
Deepak

Dgn.
B.Mishra

Appd
B.S.Pandey

Sheet :
02 OF 03

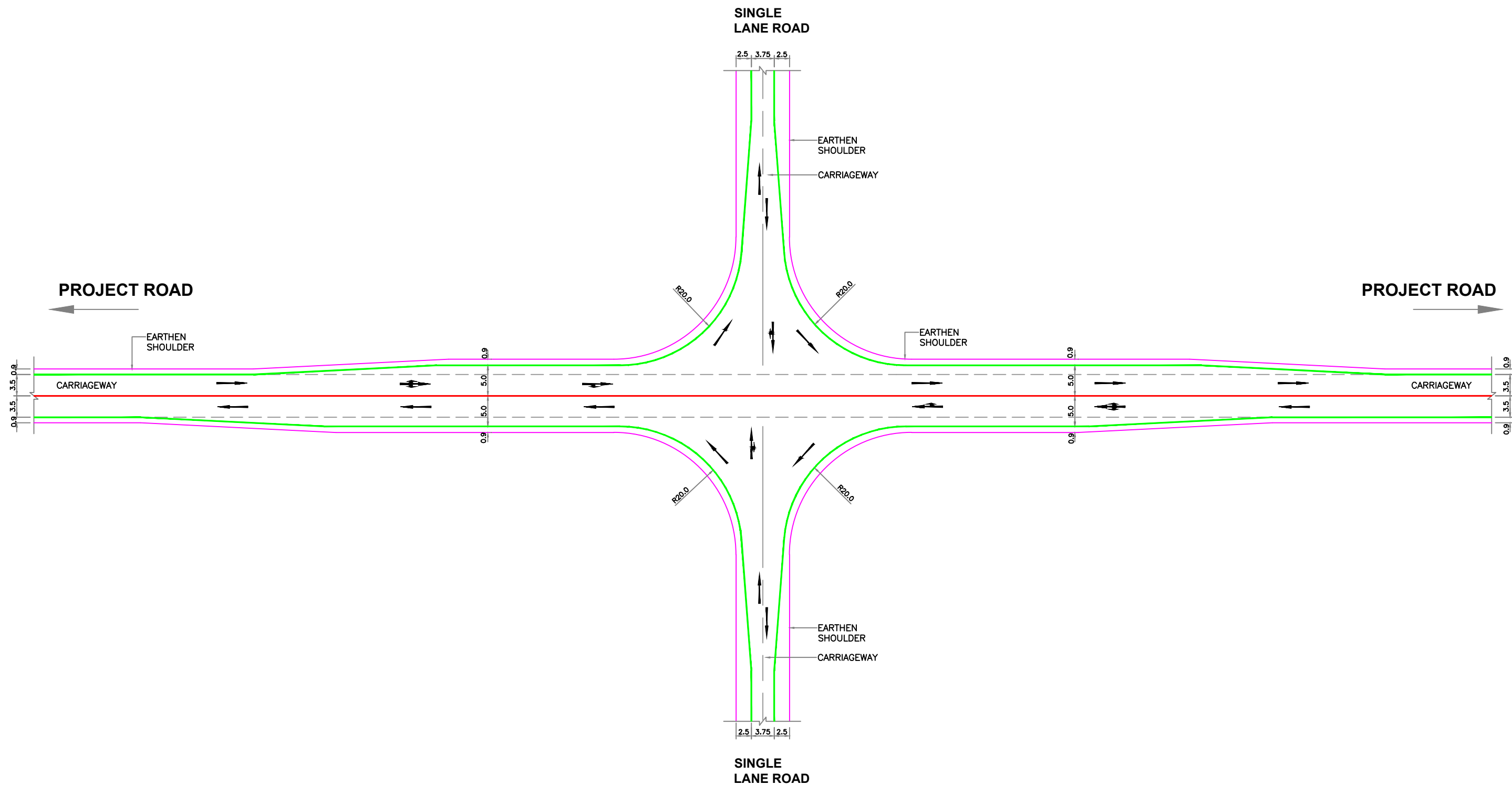
Date
DEC- 2019

CONSULTANT:



Technocrats Advisory Services Private Limited

in association with Vaishnavi Infratech Services P. Ltd
68, Ajanta Apartments, 36, I.P. Extension
Patparganj Delhi-110092.



TYPICAL 'FOUR ARM' JUNCTION



Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-2

CLIENT:



NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD

Drawing Title:

TYPICAL 'FOUR ARM' JUNCTION

Drawing No. :- TASPL/NHIDCL/DDPR/MISC/11

Sheet :

Scale :- NTS

03 OF 03

Drn

Dgn.

Appd

Date

Deepak

B.Mishra

B.S.Pandey

DEC- 2019

CONSULTANT:

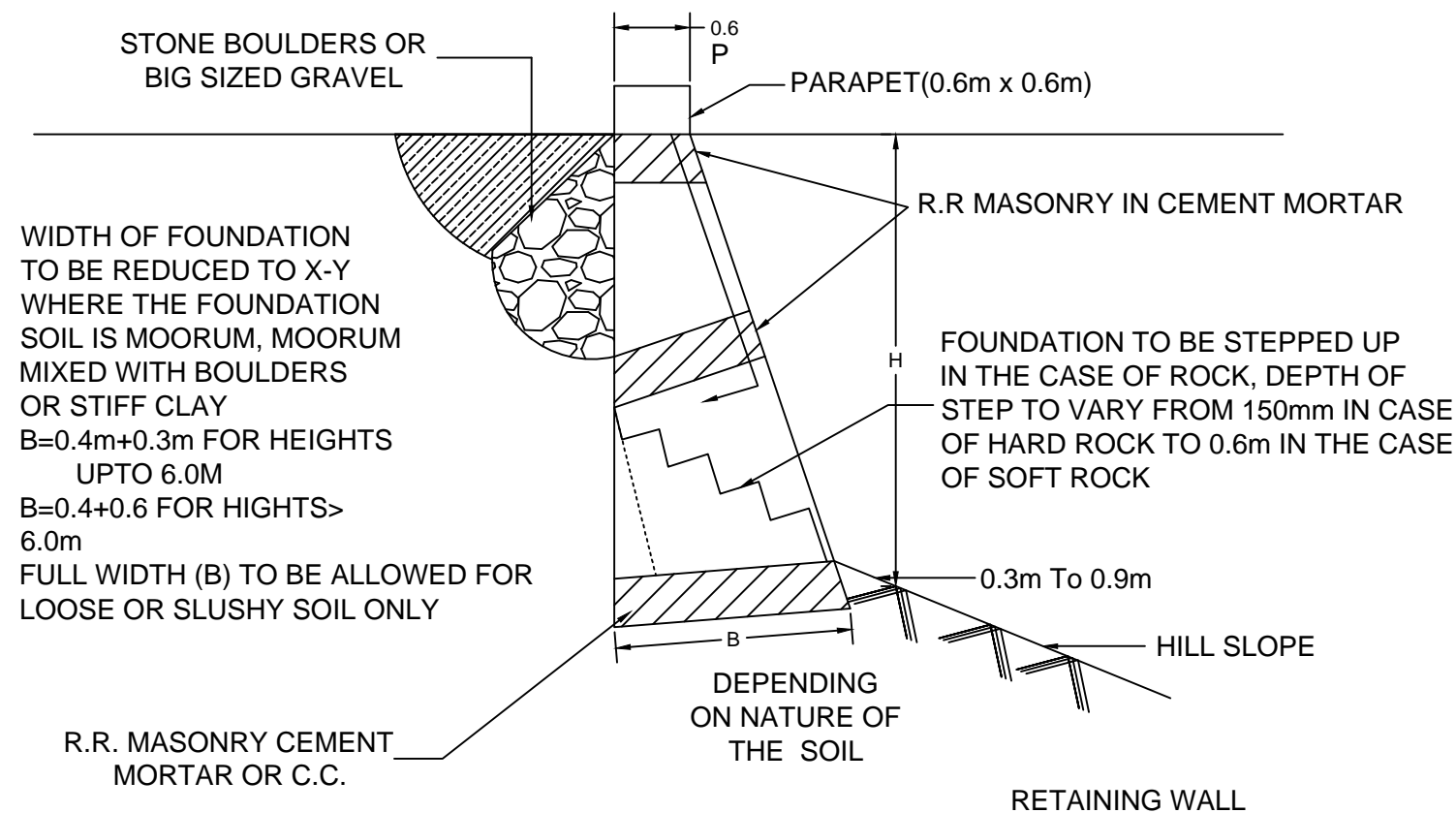


Technocrats Advisory Services Private Limited
in association with Vaishnavi Infratech Services P. Ltd
68, Ajanta Apartments, 36, I.P. Extension
Patparganj Delhi-110092.

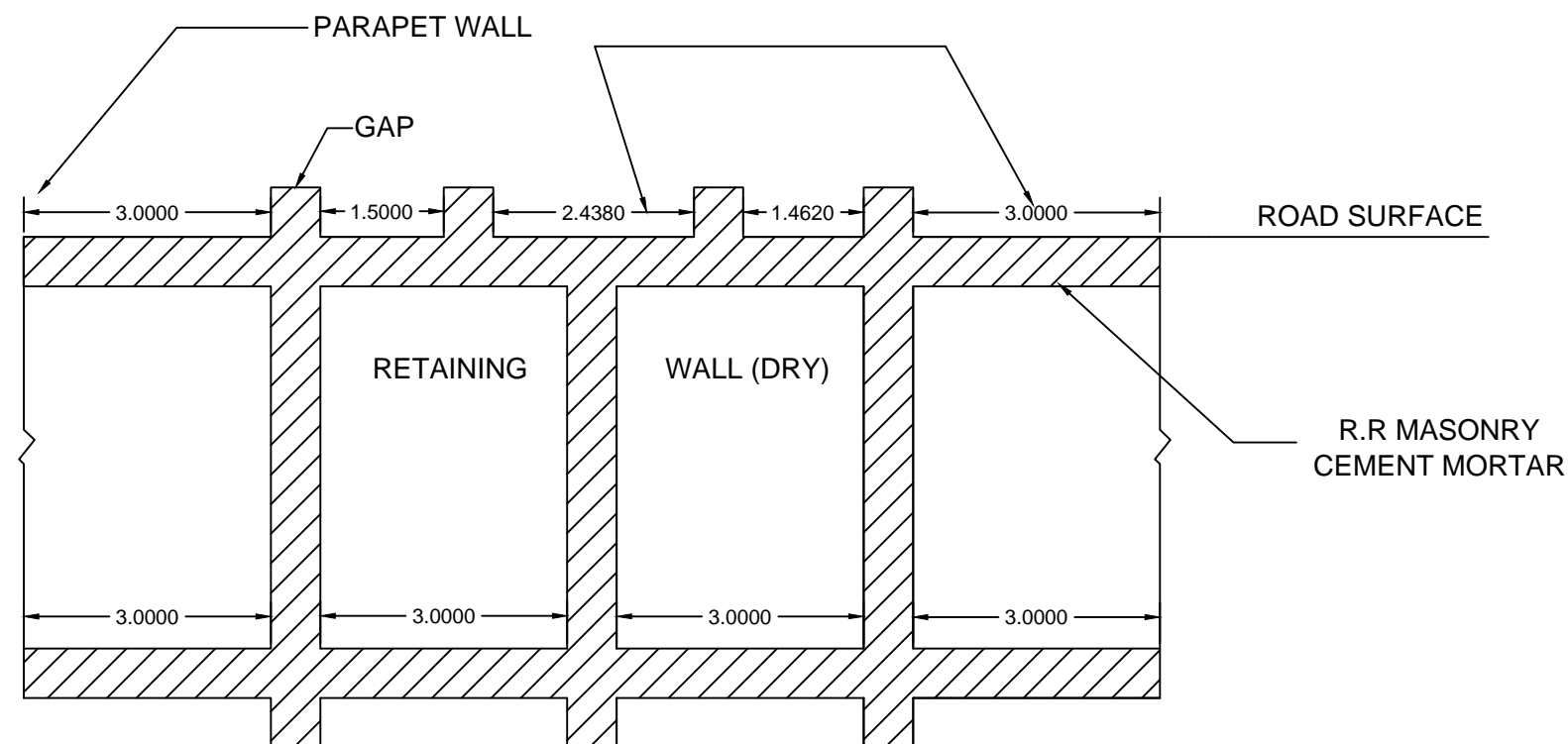
PROTECTIVE ITEMS



RETAINING WALL ►



CROSS SECTION



L-SECTION ON P-Q



Project Title:-

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-2

CLIENT:



NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD

Drawing Title:

GENERAL ARRANGEMENT DRAWING OF RETAINING WALL

Drawing No. :- TASPL/NHIDCL/DDPR/RW/12

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01 OF 01

Scale :- NTS

Drn

Dgn.

Appd

Date

D.S

B.Mishra

B.S.Pandey

DEC- 2019

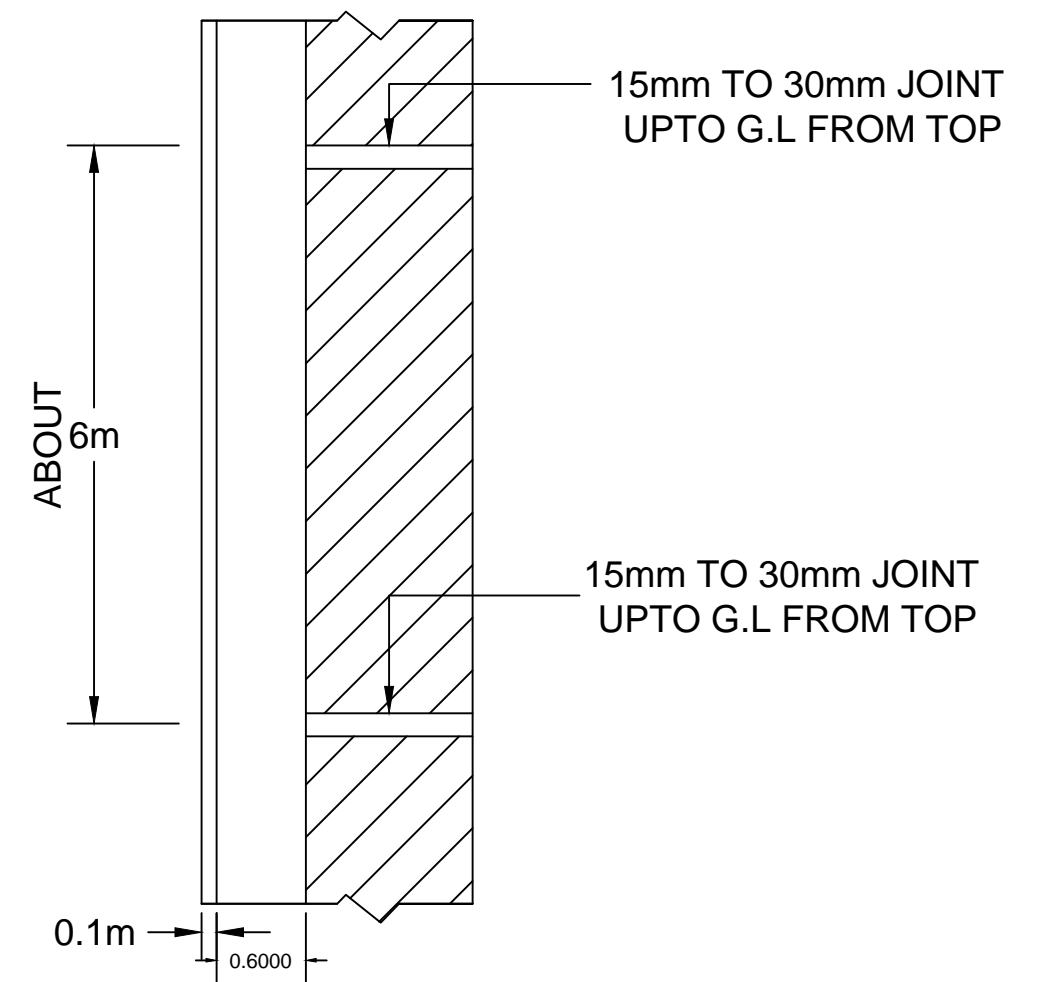
CONSULTANT:



Technocrats Advisory Services Private Limited
 in association with Vaishnavi Infratech Services P. Ltd
 68, Ajanta Apartments, 36, I.P. Extension
 Patparganj Delhi-110092.

BREAST WALL





PLAN
(AT GROUND LEVEL)