

Government of Jammu & Kashmir



JHEELUM & TAWI FLOOD RECOVERY PROJECT

Kashmir Province

Consultancy Services for Preparing Detailed Project Report for the Road and
Bridge works in Jammu and Kashmir

(PAMPORE PULWAMA ROAD IN PULWAMA DISTRICT)

(DRAWINGS)

(Detailed Project Report)

August 2019

ep^tisa

ROAD DRAWINGS

≡ LIST OF DRAWINGS ≡

LIST OF DRAWINGS FOR ROAD

Sl. No.	Descriptions	Drawing No.	No.of Sheet
(A)	ROAD WORKS		
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2.	Legend, Abbreviations & General Notes	EPTISA/JTFRP/DPR/J&K/LEGEND-01	01
3.	Index Map	EPTISA/JTFRP/DPR/J&K/IM-01	01
4.	Typical Cross Section	EPTISA/JTFRP/DPR/J&K/TCS-01 to 06	06
5.	Strip Plan	EPTISA/JTFRP/DPR/J&K/SP-01 to 06	06
6.	Plan and Profile- Main Road	EPTISA/JTFRP/DPR/J&K/PP-01 to 25	25
7.	Plan and Profile (For Link Road No.1)	EPTISA/JTFRP/DPR/J&K/PP/Link Road-01 to 05	05
8.	Horizontal Alignment Report	EPTISA/JTFRP/DPR/J&K/HAR-01	01
9.	Horizontal Alignment Report (For Link Road No.1)	EPTISA/JTFRP/DPR/J&K/HAR/Link Road-01	01
10.	Vertical Alignment Report	EPTISA/JTFRP/DPR/J&K/VAR-01 to 05	05
11.	Vertical Alignment Report (For Link Road No.1)	EPTISA/JTFRP/DPR/J&K/VAR/Link Road-01	01
12.	Signage Plan- Main Road	EPTISA/JTFRP/DPR/J&K/SP-01 to 24	24
13.	Signage Plan- Link Road	EPTISA/JTFRP/DPR/J&K/SP-01 to 05	05
14.	Detailed Cross Section	EPTISA/JTFRP/DPR/J&K/DCS-01 to 16	16
15.	Detailed Cross Section (For Link Road No.1)	EPTISA/JTFRP/DPR/J&K/DCS/Link Road-01 to 04	04
16.	Utility Relocation Plan-Main Road (For Electricity Department)	EPTISA/JTFRP/DPR/J&K/URP-01 to 24	24
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19.	Utility Relocation Plan- Link Road (For Electricity Department)	EPTISA/JTFRP/DPR/J&K/URP-01 to 05	05
20.	Utility Relocation Plan- Link Road (For Telephone Department)	EPTISA/JTFRP/DPR/J&K/URP-01 to 05	05
21.	Utility Relocation Plan- Link Road (For Water Department)	EPTISA/JTFRP/DPR/J&K/URP-01 to 05	05
22.	Tree Cutting- Main Road	EPTISA/JTFRP/DPR/J&K/TC-01 to 24	24
23.	Tree Cutting- Link Road	EPTISA/JTFRP/DPR/J&K/TC-01 to 05	05
24.	<i>Miscellaneous Drawings</i>		01
i)	Road Signs & Road Delineators - (3 Sheets)	EPTISA/JTFRP/DPR/J&K/MISC-01	01
ii)	Typical Details of Distance Stone, Boundary Stone & Guard Post	EPTISA/JTFRP/DPR/J&K/MISC-02	01
iii)	Typical Details of Metal Beam Crash Barrier	EPTISA/JTFRP/DPR/J&K/MISC-03	01
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26.	<i>Culvert Drawings</i>	EPTISA/JTFRP/DPR/J&K/RW-01	01
i)	Typical General Arrangement Drawing for Single Cell Box Culvert	EPTISA/JTFRP/DPR/J&K/BOX/GAD/01	01
ii)	Typical General Arrangement Drawing for Single Cell Pipe Culvert	EPTISA/JTFRP/DPR/J&K/BOX/GAD/01	01

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



Eptisa Servicios de Ingenieria S.L.
Unit 1203, 12th Floor, Tower 1, PS Srijan
Corporate Park, Plot No. 2, Block EP & GP,
Sector v, Salt Lake Kolkata - 700091,
West Bengal
Ph: 033-40347200
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REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

TITLE :

LIST OF DRAWING

DRG. NO. : EPTISA/JTFRP/DPR/J&K/LOD/01

REVISION : R-1


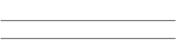










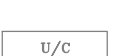











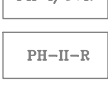









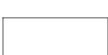

























August 2019















≡ LEGEND, ABBREVIATIONS & GENERAL NOTES ≡

LEGEND

A. PLAN

a) Existing

1	Security Room		31	Divider	
2	Pump house		32	Dusbin	
3	Solar		33	Earthen Road	
4	Rail trac		34	Bitumen Road	
5	Railing		35	Existing Center Line	
6	Telephone Pst tp.		36	Shed	
7	Under Construction Building		37	Sign Board	
8	Hoarding Post		38	Bedi	
9	Water Tank		39	Canal / River	
10	Wire Crossing Details		40	Drain	
11	P.c.c Road		41	Alart Post ap.	
12	Pucca House One Storied Commercial& Residential ph-i/c+r.		42	Compound wall	
13	Pucca House Two Storied Residential ph-ii-r.		43	Fencing	
14	Abandoned Building		44	Gate	
15	Damage Culvert		45	GPS Pillar gps.	
16	Damage Pipe Culvert		46	Reference Pillar	
17	Ep Box		47	Electric Post ep.	
18	Hotel		48	Guard Wall	
19	Retaining Wall		49	Temple / Mandir	
20	Ohe		50	Pond / Ditch / Water Logged	
21	Parking		51	Nala / Natural Stream	
22	Shoulder		52	Petrol Pump	
23	Pave Shoulder		53	Heigh Must Light hmt.	
24	Pavement		54	Water Tap tap.	
25	Pipe Culvert		55	Wildlife Sanctuary Sign Board	
26	Seating bench		56	H.F.L hfl.	
27	Showroom		57	Toilet	
28	Stair		58	Handpump/Tube well tw.	
29	Chamber		59	OFC	
30	Cover Drain		60	Kancha House Commercial kh-c.	

61	Kancha House Residential kh-r.	
62	Km Stone kmp.	
63	Lamp Post lp.	
64	Semi Pucca House Commercial sp-c.	
65	Semi Pucca House Residential sp-r.	
66	Survey Station stn.	
67	Pucca House One Storied Commercial ph-i-c.	
68	Pucca House One Storied Residential ph-i-r.	
69	Pucca House Two Storied Commercial ph-ii-c.	
70	Transformer tns.	
71	TREE 1 (Ã?300 TO Ã?600) t1	
72	TREE 2 (Ã?600 TO Ã?900) t2	
73	TREE 3 (Ã?900 TO Ã?1200) t3	
74	TREE 4 (Ã?1200 TO ABOVE) t4	

GENERAL NOTES

A) General








1. All angles are in degree (°) – minute (') – second (") format.
2. All chainages are in kilometres and all levels are in meters unless otherwise specified.
3. All the co-ordinates (X, Y) are with respect to GPS values (established for project road at 2 km interval).
4. Details shown in the plans are based on topographical survey carried out under the assignment,
5. The scale mentioned for all drawings is applicable for A2 sheet.

B) Geometric Design



1. The pavements have been considered to be rotated about the Carriageway Center line to attain requisite amount of superelevation.

b) Proposed

A. PLAN

Proposed Center Line	
Edge of Carriageway	
Edge of Paved Shoulder	
Edge of Earthen Shoulder	
Edge of Drain	
Existing ROW	
Proposed Chainage	

B. PROFILE

Finished Grade Line	
Existing Grade Line	

CLIENT :



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REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE : N.T.S

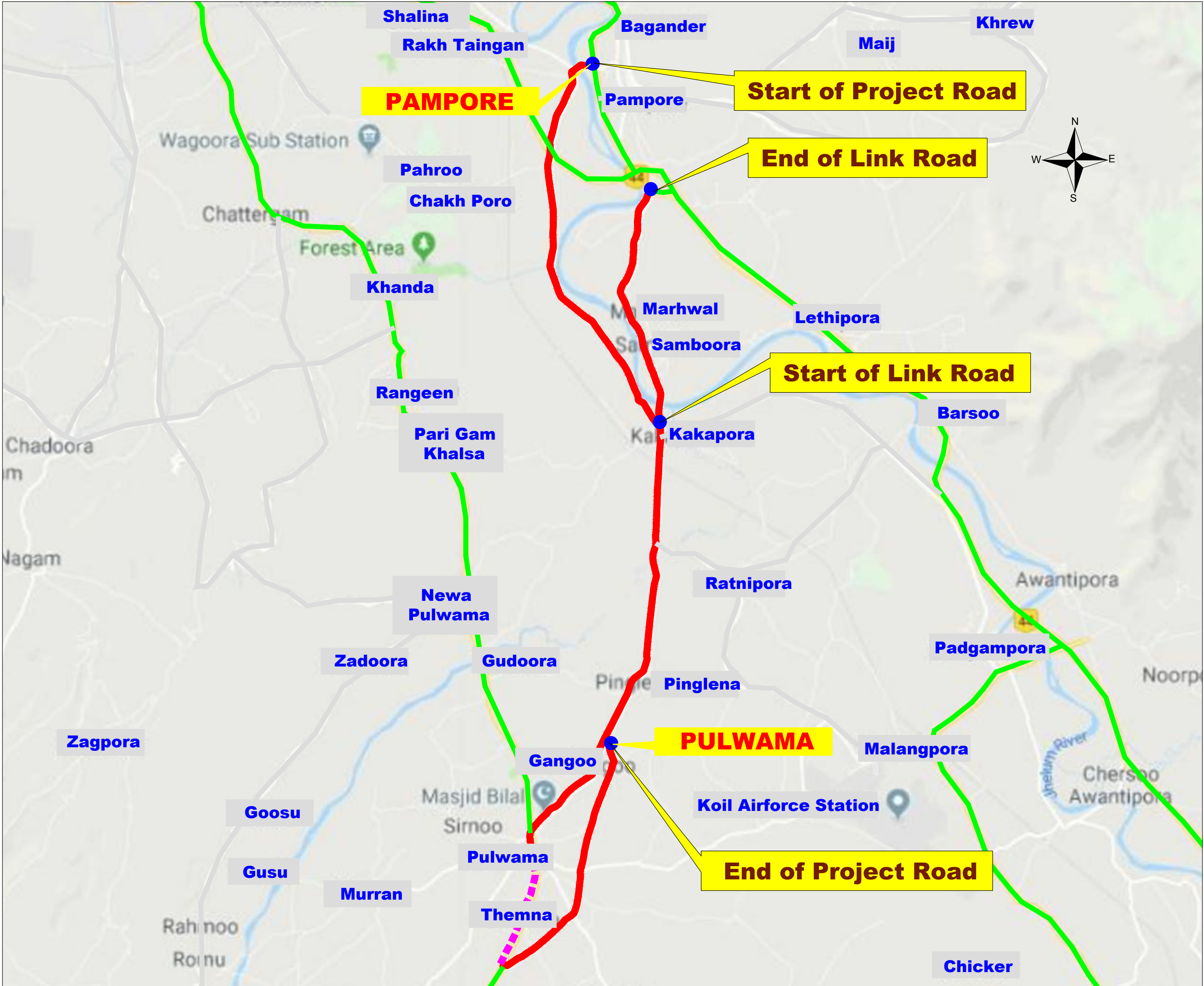
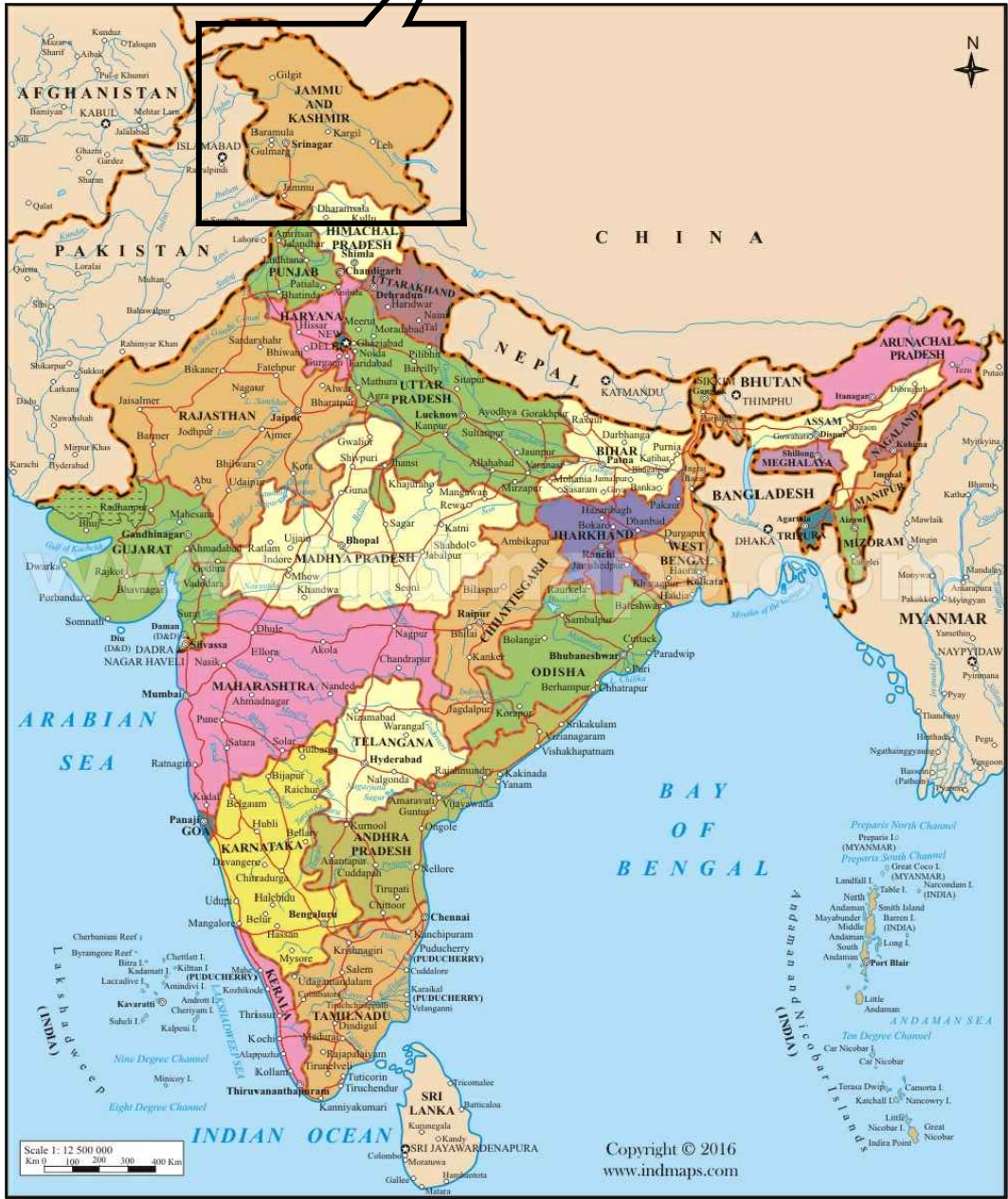
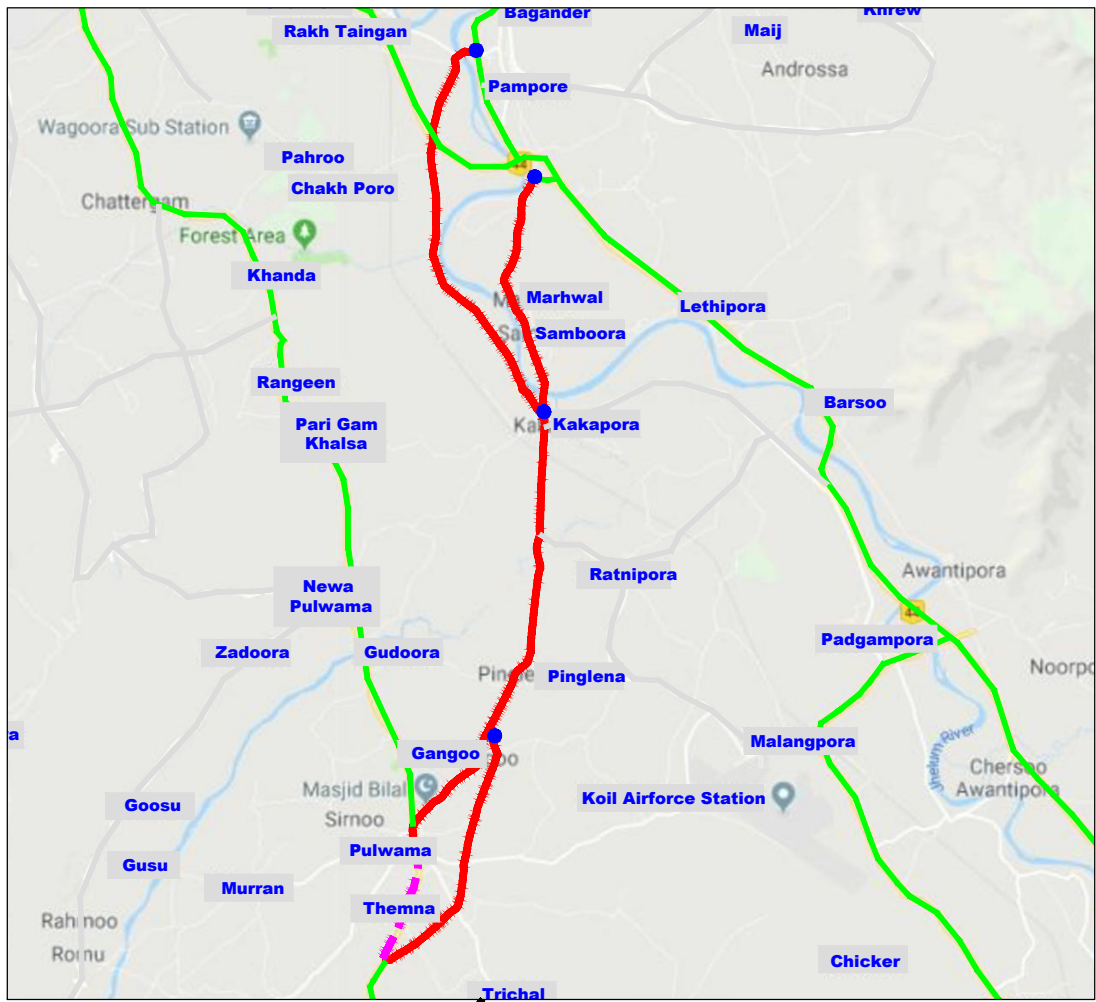
TITLE :

LEGEND, ABBREVIATIONS & GENERAL NOTES

DRG. NO. : EPTISA/JTRFP/DPR/J&K/LEGEND/01

REVISION : R-1

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DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE : N.T.S

TITLE :

Index Map

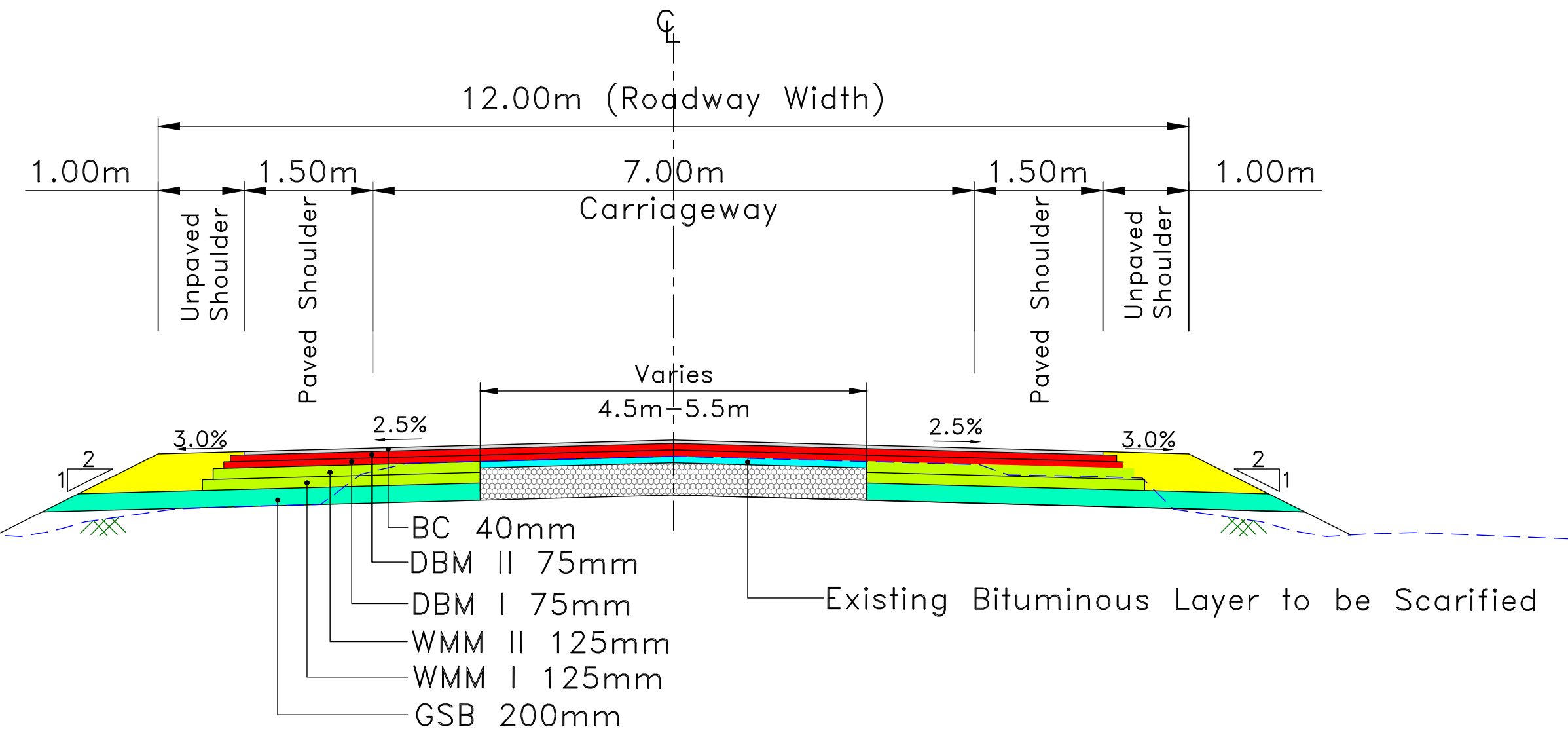
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REVISION : R-1

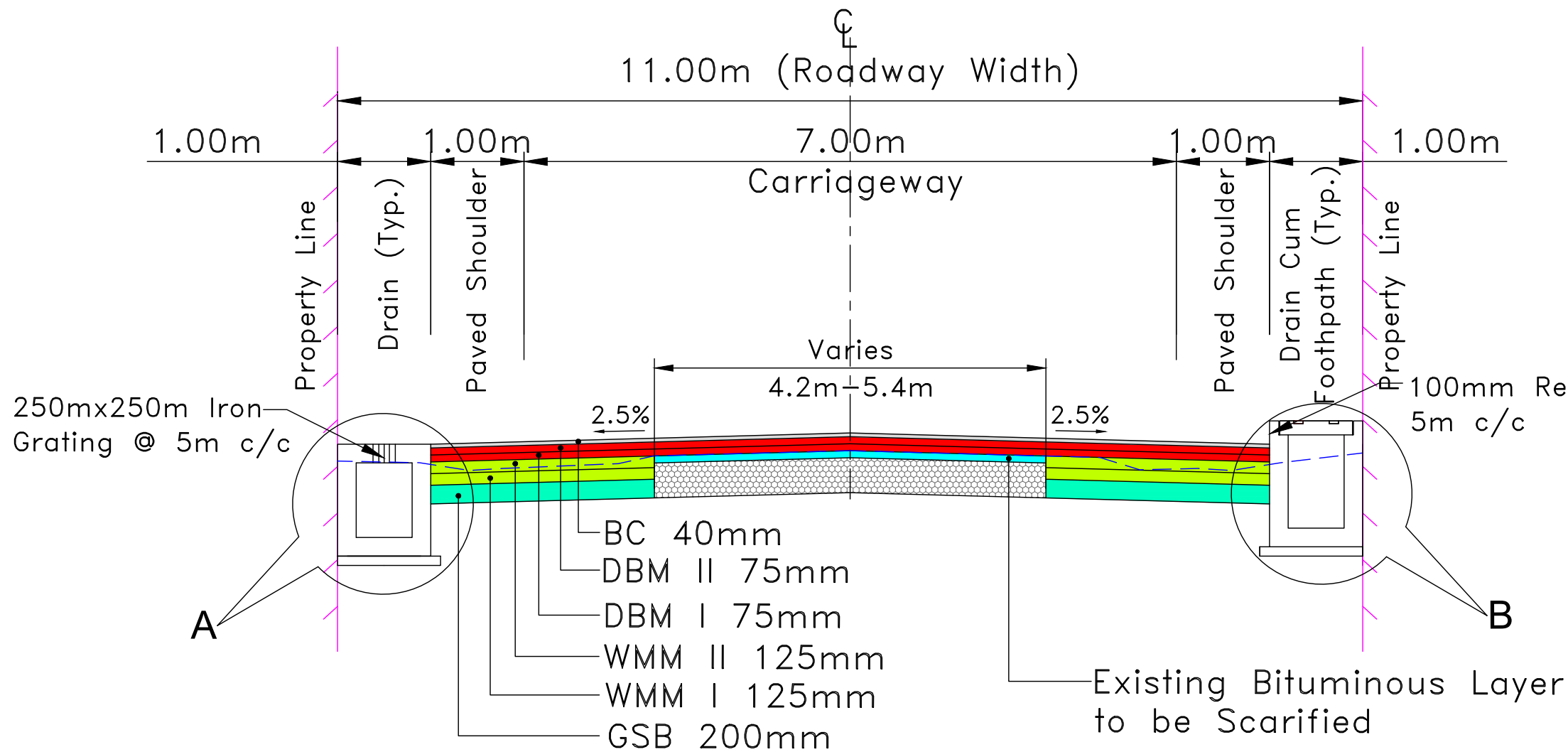
August 2019

≡ TYPICAL CROSS SECTIONS ≡

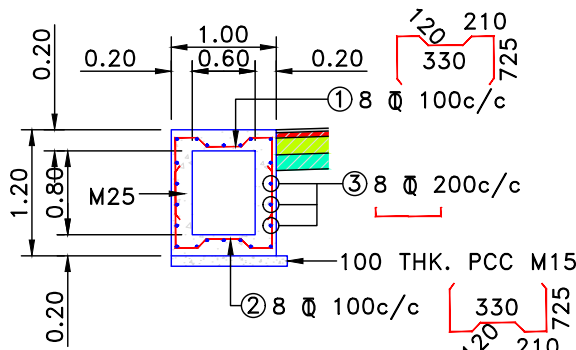
- Note:
- 1. Typical Cross Sections are finalized based on capacity requirement from traffic data and available property to property widths.
 - 2. Further, if Proposed Right of Way information is not sufficient to cater Proposed Cross Section requirement, restricted Roadway width has been considered width as per capacity requirement.
 - 3. Paved Shoulder at Type-3 width has been restricted to 1.0m to accomodated proposed Roadway width within maximum available property to property width.
 - 4. Weep hole in drain wall of 100mm dia. at GSB layer shall be provided @ 1m interval.
 - 5. Drain Cum Footapath/Drain shall be provided as per actual site condition during Construction.
 - 6. Existing Bituminous layer shall be scarified and recompacted (minimum WMM 75mm maximum 250mm)/GSB shall be laid over it depending upon the difference of FRL & recompacted level.



TYPE -1 : TYPICAL CROSS SECTION OF 2 LANE CARRIAGEWAY WITH PAVED SHOULDER FOR MAIN ALIGNMENT AT RECONSTRUCTION STRETCHES IN RURAL SECTION

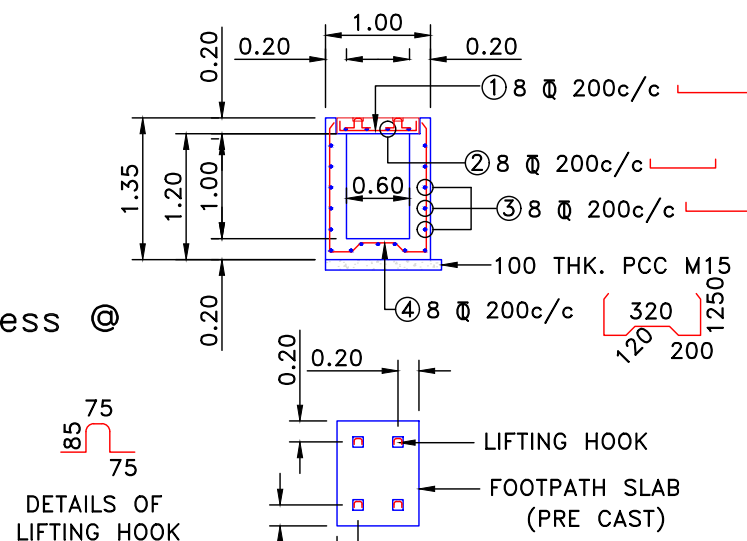


TYPE -2 : TYPICAL CROSS SECTION OF 2 LANE CARRIAGEWAY WITH PAVED SHOULDER AND DRAIN FOR MAIN ALIGNMENT AT RECONSTRUCTION STRETCHES IN BUILT-UP AREAS



DETAIL-A
CROSS SECTION & R/F DETAILS
OF ROAD DRAIN

- NOTES :
- 1. ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE MENTIONED.
 - 2. GRADE OF CONCRETE :- STRUCTURE - M25 LEVELING COURSE(P.C.C) - M15
 - 3. GRADE OF STEEL Fe-500 AS PER I.S.-1786.
 - 4. CLEAR COVER SHALL BE 40MM.



DETAIL-B
CROSS SECTION & R/F DETAILS
OF ROAD DRAIN

- NOTES :
- 1. ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE MENTIONED.
 - 2. GRADE OF CONCRETE :- STRUCTURE - M25 LEVELING COURSE(P.C.C) - M15
 - 3. GRADE OF STEEL Fe-500 AS PER I.S.-1786.
 - 4. CLEAR COVER SHALL BE 50MM.

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REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE : 1:80

TITLE :

TYPICAL CROSS SECTION

DRG. NO. : EPTISA/JTFRP/DPR/J&K/TCS/01

REVISION : R-1

August 2019

Note:

1. Typical Cross Sections are finalized based on capacity requirement from traffic data and available property to property widths.

2. Further, if Proposed Right of Way information is not sufficient to cater Proposed Cross Section requirement, restricted Roadway width has been considered width as per capacity requirement.

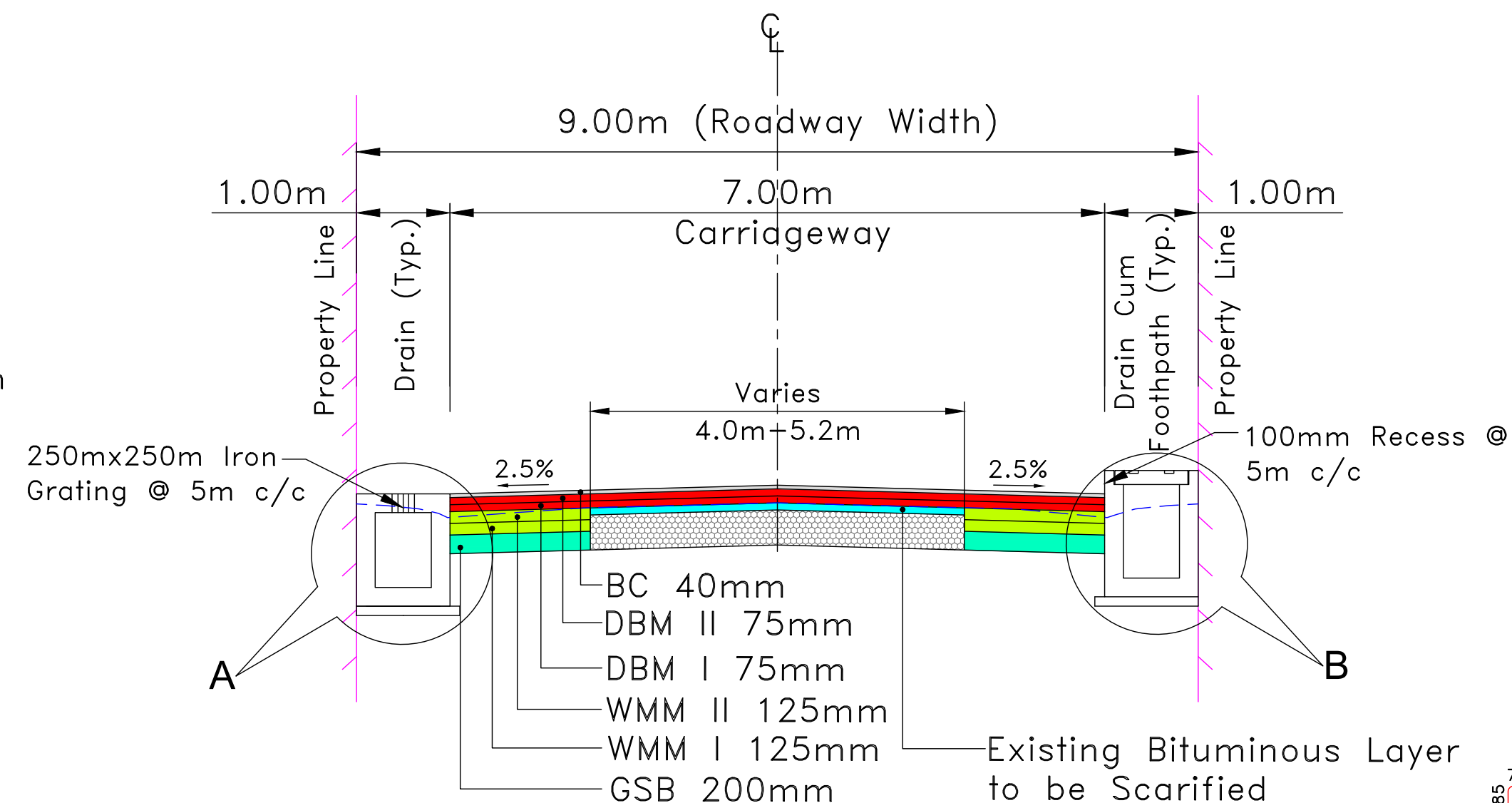
3. Paved Shoulder at Type-3 width has been restricted to 1.0m to accommodate proposed Roadway width within maximum available property to property width.

4. Balance space for Type-4 section after accommodating Proposed Roadway width of 14.5m shall be utilized as parking space/ waiting space.

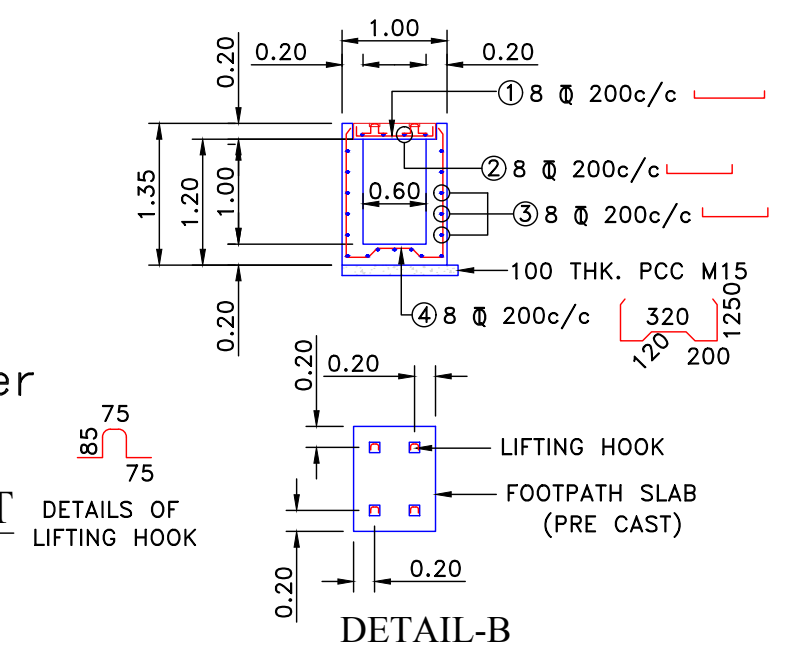
5. Weep hole in drain wall of 100mm dia. at GSB layer shall be provided @ 1m interval.

6. Drain Cum Footpath/Drain shall be provided as per actual site condition during Construction.

7. Existing Bituminous layer shall be scarified and recompacted (minimum WMM 75mm maximum 250mm)/GSB shall be laid over it depending upon the difference of FRL & recompacted level.



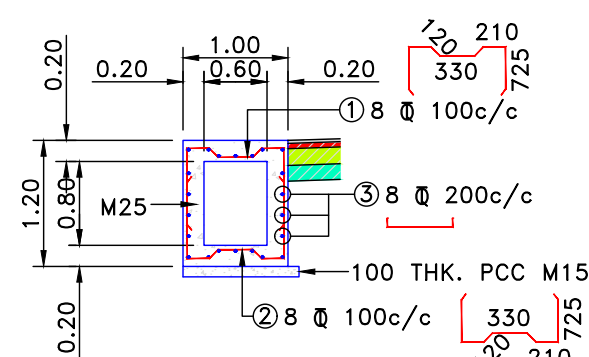
TYPE - 3 : TYPICAL CROSS SECTION OF 2 LANE CARRIAGEWAY FOR MAIN ALIGNMENT AT RECONSTRUCTION STRETCHES IN BUILT-UP AREAS



CROSS SECTION & R/F DETAILS OF ROAD DRAIN

NOTES :

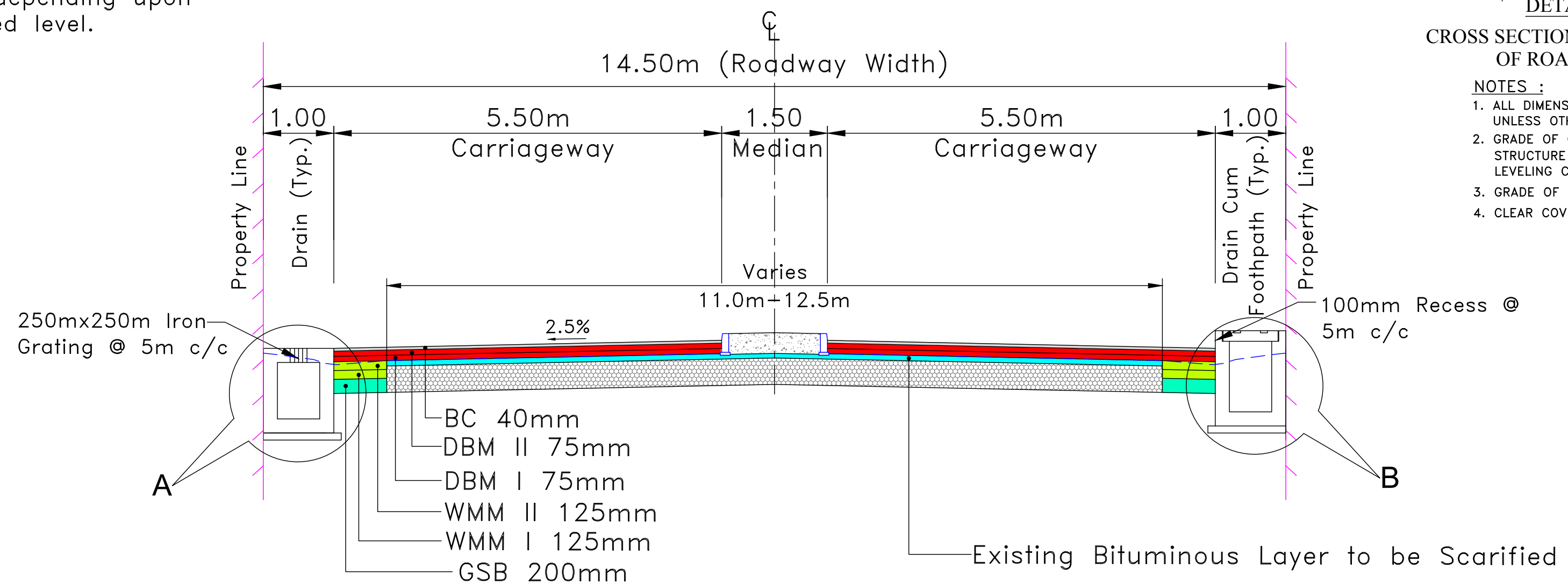
1. ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE MENTIONED.
2. GRADE OF CONCRETE :- STRUCTURE - M25 LEVELING COURSE(P.C.C) - M15
3. GRADE OF STEEL Fe-500 AS PER I.S.-1786.
4. CLEAR COVER SHALL BE 50MM.



**DETAIL-A
CROSS SECTION & R/F DETAILS
OF ROAD DRAIN**

NOTES :

1. ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE MENTIONED.
2. GRADE OF CONCRETE :- STRUCTURE - M25 LEVELING COURSE(P.C.C) - M15
3. GRADE OF STEEL Fe-500 AS PER I.S.-1786.
4. CLEAR COVER SHALL BE 40MM.



TYPE - 4 : TYPICAL CROSS SECTION OF 4 LANE CARRIAGEWAY AT RECONSTRUCTION STRETCHES FOR MAIN ALIGNMENT IN URBAN SECTION

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REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:80

TITLE :

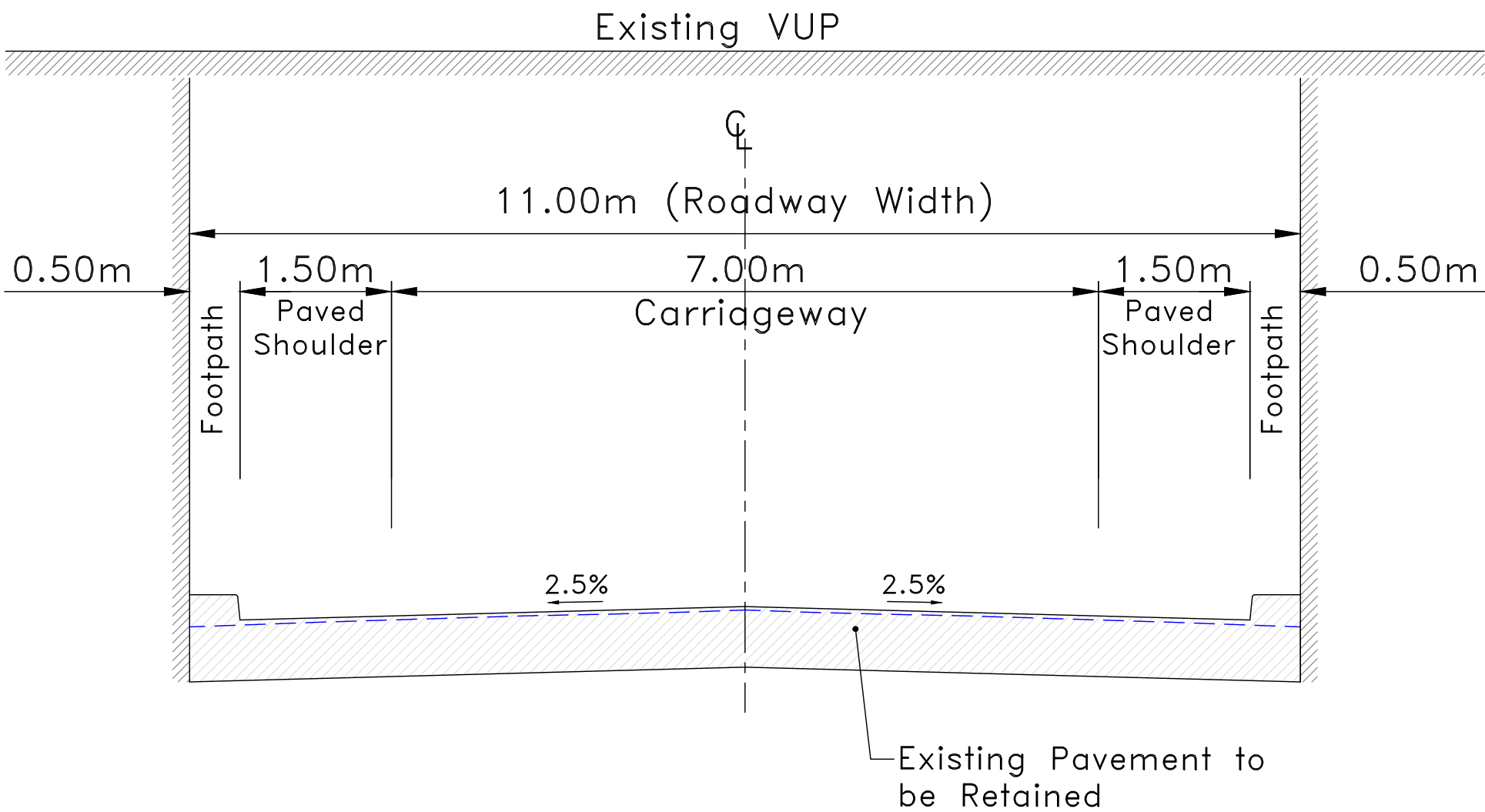
TYPICAL CROSS SECTION

DRG. NO. : EPTISA/JTFRP/DPR/J&K/TCS/02

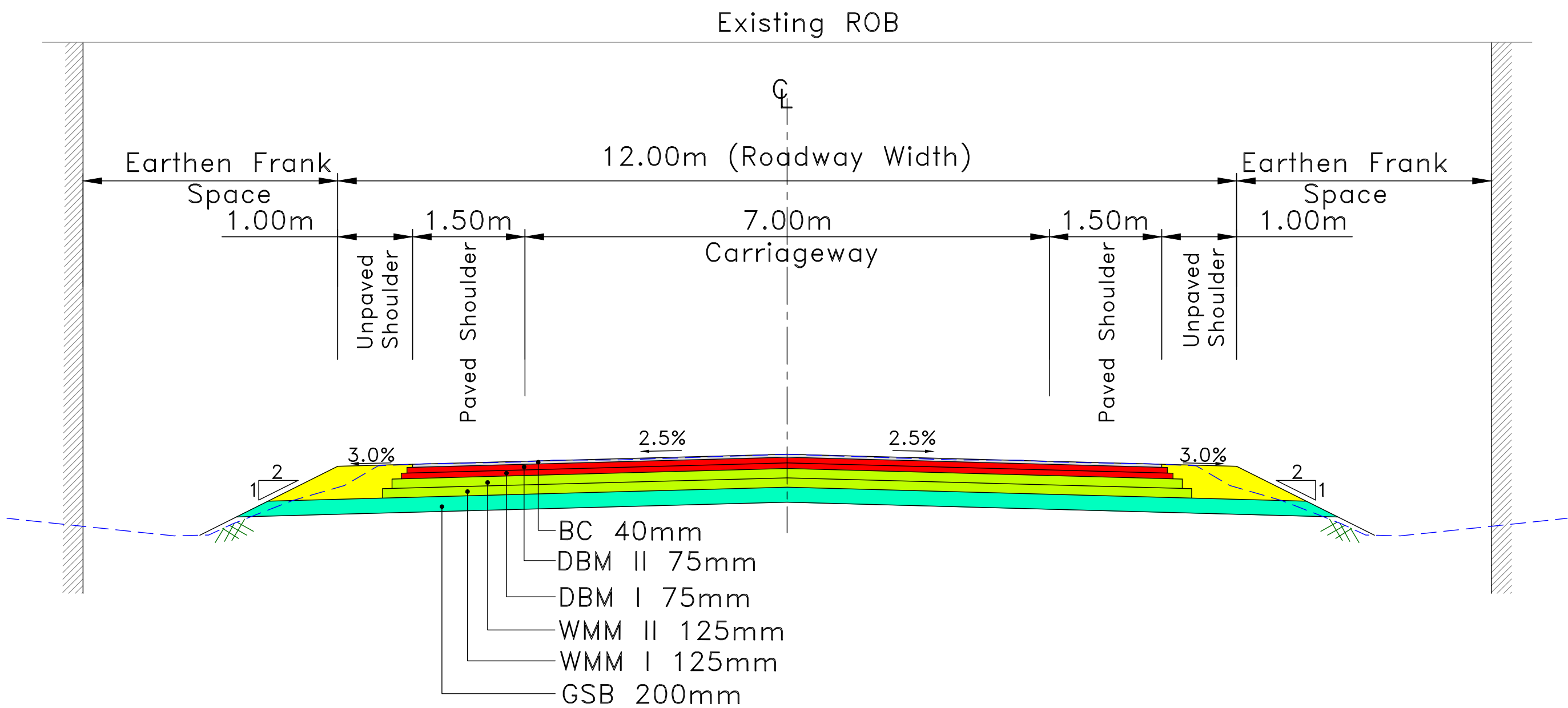
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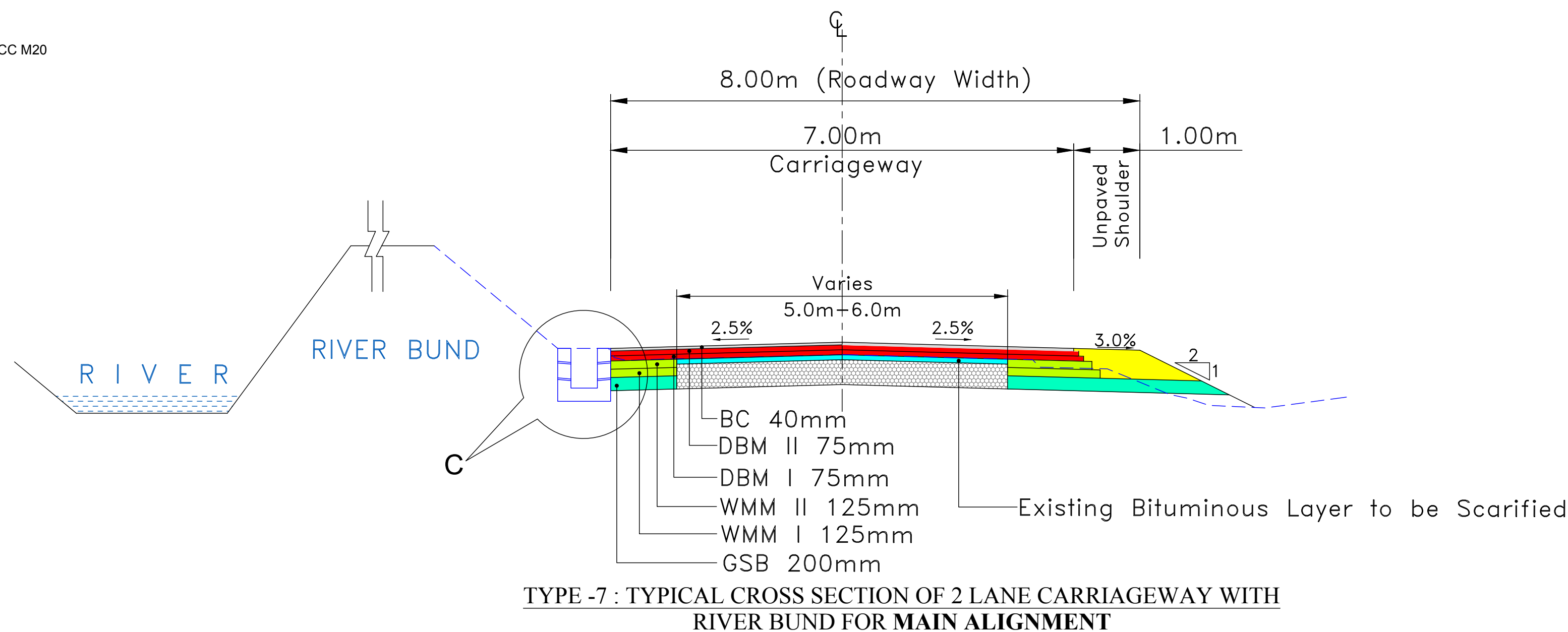
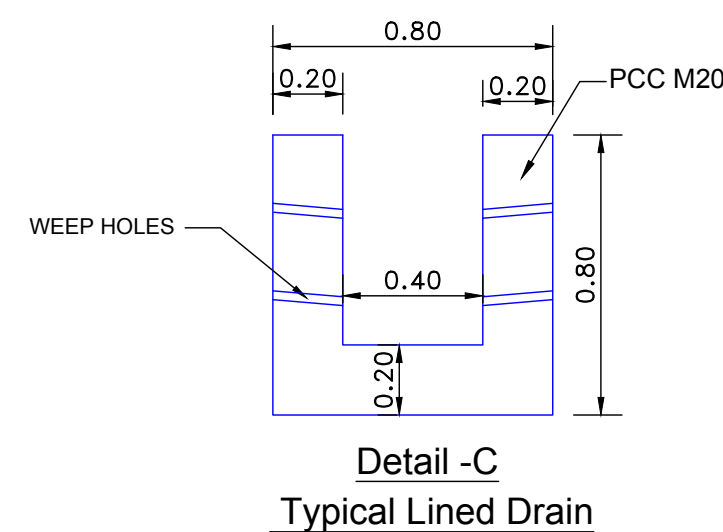
- Note:
- 1. Typical Cross Sections are finalized based on capacity requirement from traffic data and available property to property widths.
 - 2. Further, if Proposed Right of Way information is not sufficient to cater Proposed Cross Section requirement, restricted Roadway width has been considered width as per capacity requirement.
 - 3. Weep hole in drain wall of 100mm dia. at GSB layer shall be provided @ 1m interval.
 - 4. Drain Cum Footpath/Drain shall be provided as per actual site condition during Construction.
 - 5. Existing Bituminous layer shall be scarified and recompacted (minimum WMM 75mm maximum 250mm)/GSB shall be laid over it depending upon the difference of FRL & recompacted level.



TYPE -5 : TYPICAL CROSS SECTION OF 2 LANE CARRIAGEWAY FOR MAIN ALIGNMENT WITH PAVED SHOULDER UNDER EXISTING VUP



TYPE -6 : TYPICAL CROSS SECTION OF 2 LANE CARRIAGEWAY WITH PAVED SHOULDER FOR MAIN ALIGNMENT UNDER ROB SECTION



Note:

1. Typical Cross Sections are finalized based on capacity requirement from traffic data and available property to property widths.

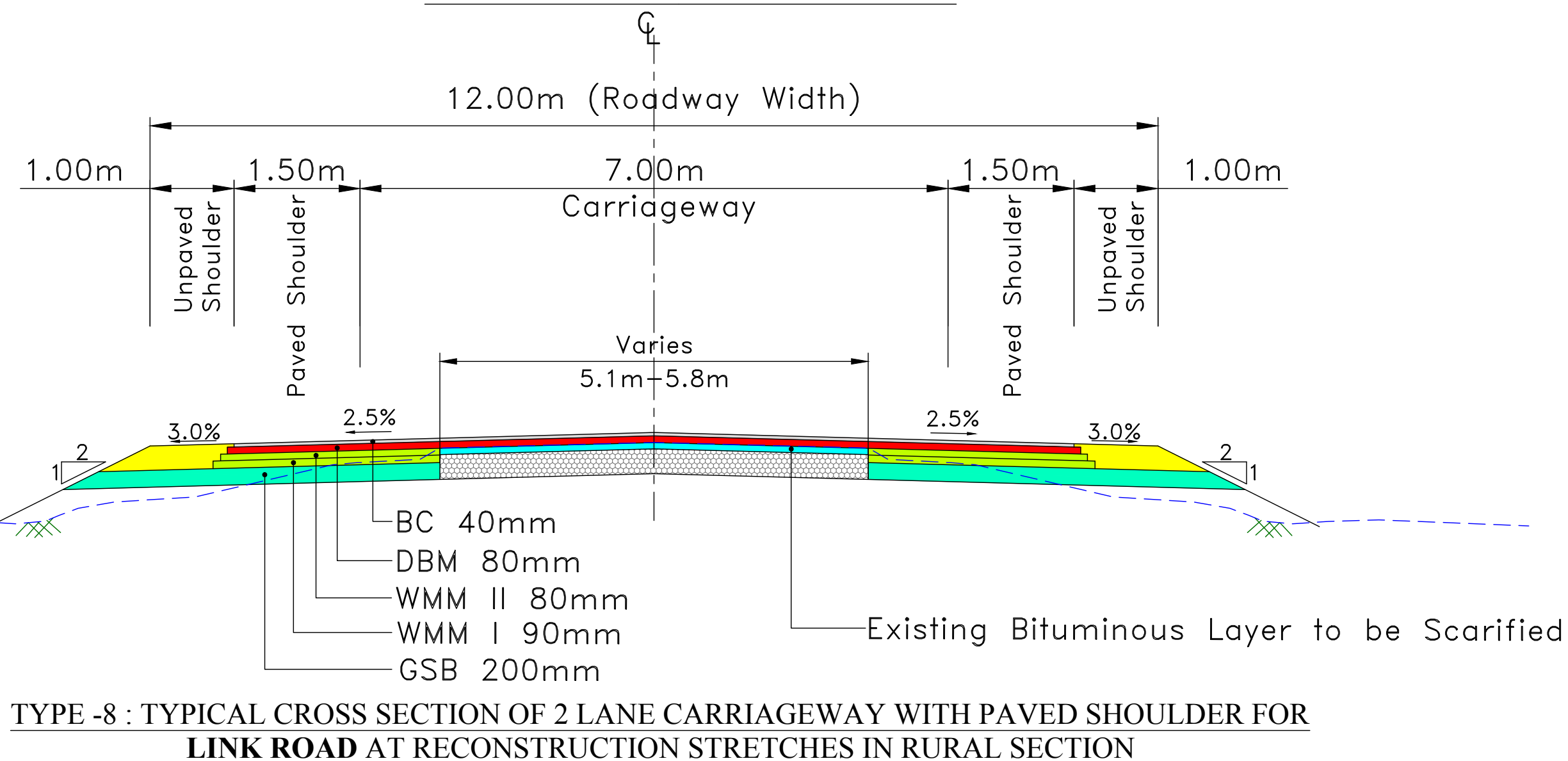
2. Further, if Proposed Right of Way information is not sufficient to cater Proposed Cross Section requirement, restricted Roadway width has been considered width as per capacity requirement.

3. Paved Shoulder at Type-3 width has been restricted to 1.0m to accommodate proposed Roadway width within maximum available property to property width.

4. Weep hole in drain wall of 100mm dia. at GSB layer shall be provided @ 1m interval.

5. Drain Cum Footpath/Drain shall be provided as per actual site condition during Construction.

6. Existing Bituminous layer shall be scarified and recompacted (minimum WMM 75mm maximum 170mm)/GSB shall be laid over it depending upon the difference of FRL & recompacted level.



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REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:80

TITLE :

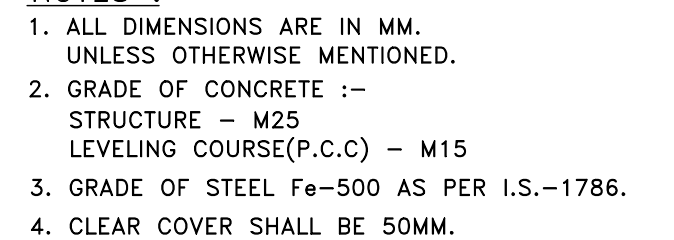
TYPICAL CROSS SECTION

DRG. NO. : EPTISA/JTFRP/DPR/J&K/TCS/04

REVISION : R-1

August 2019

6.Existing Bituminous layer shall be scarified and recompacted (minimum WMM 75mm maximum 170mm)/GSB shall be laid over it depending upon the difference of FRL & recompacted level.

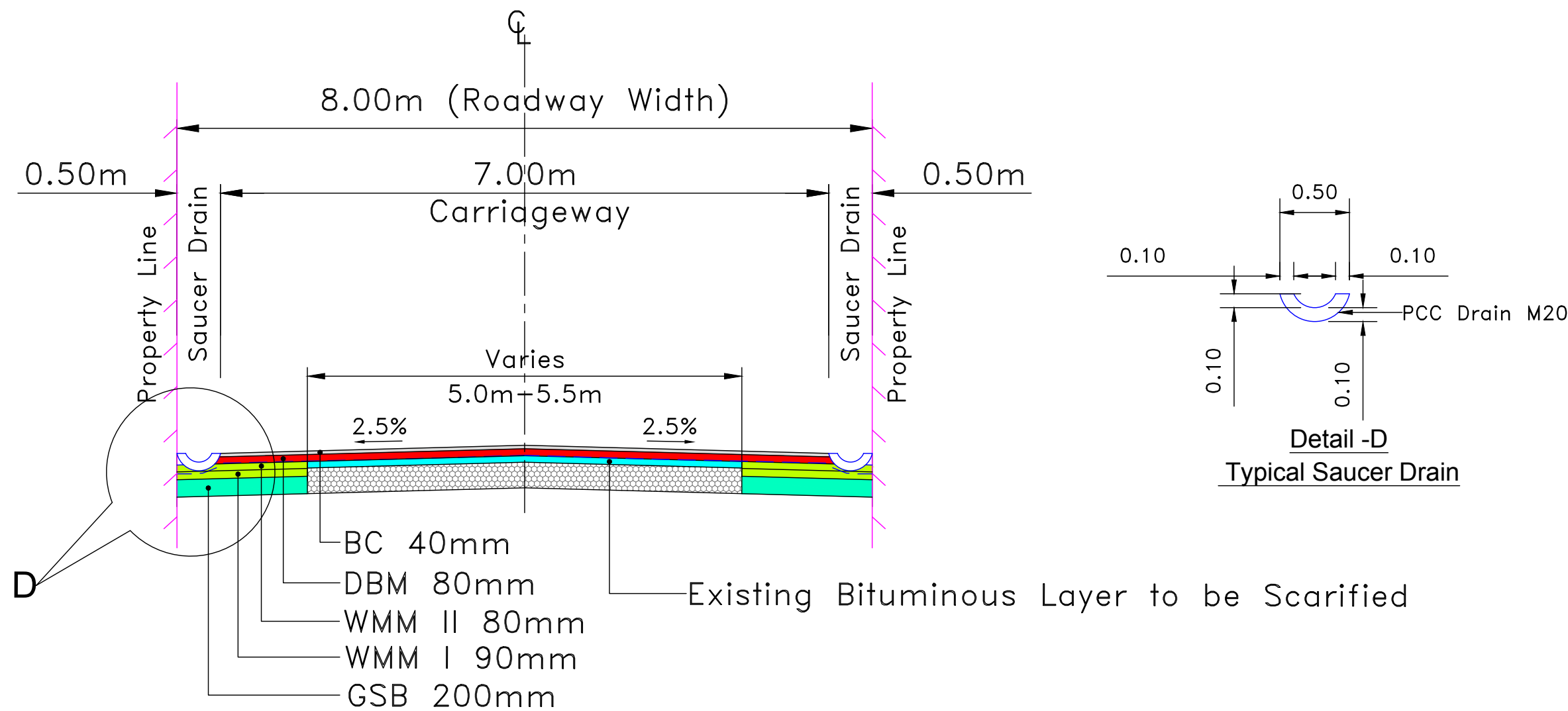


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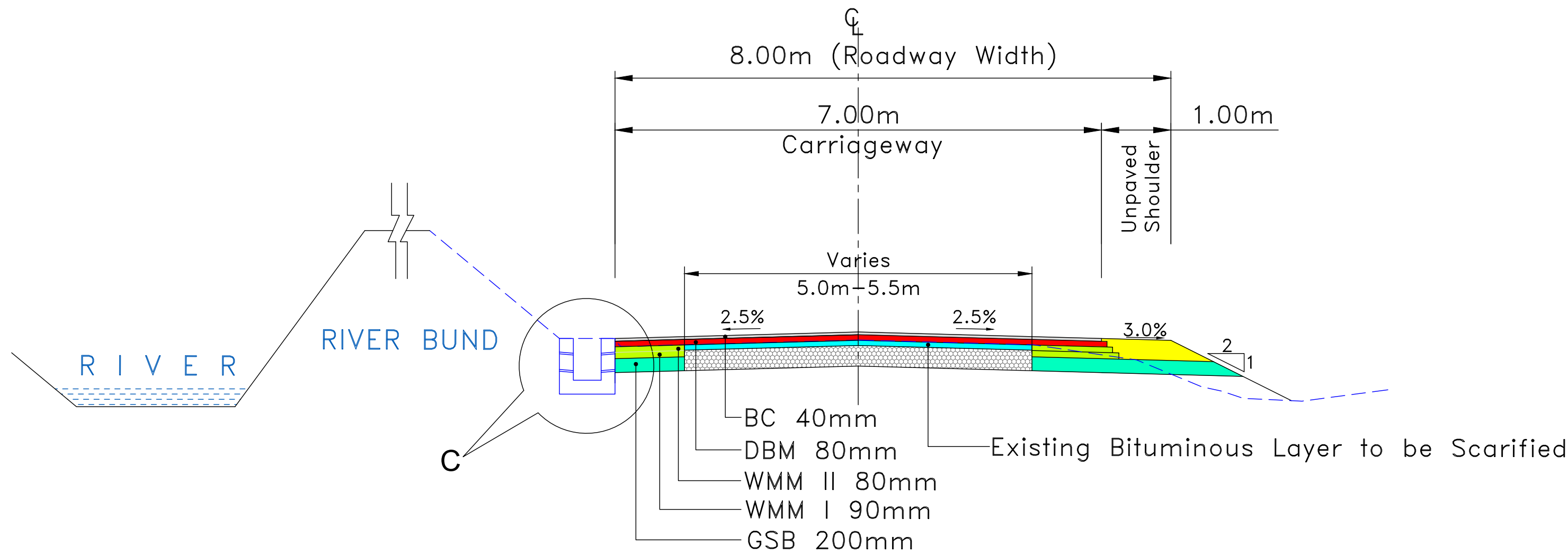
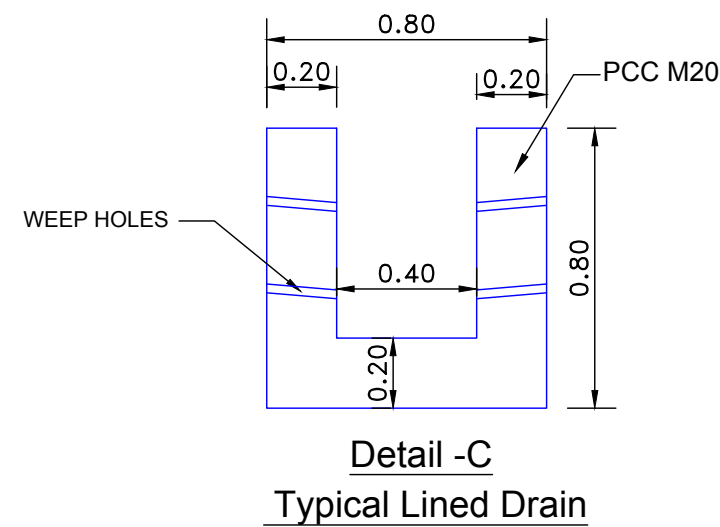
1. ALL DIMENSIONS ARE IN MM.
UNLESS OTHERWISE MENTIONED.
2. GRADE OF CONCRETE :-
STRUCTURE - M25
LEVELING COURSE(P.C.C) - M15
3. GRADE OF STEEL Fe-500 AS PER I.S.-1786.
4. CLEAR COVER SHALL BE 40MM.



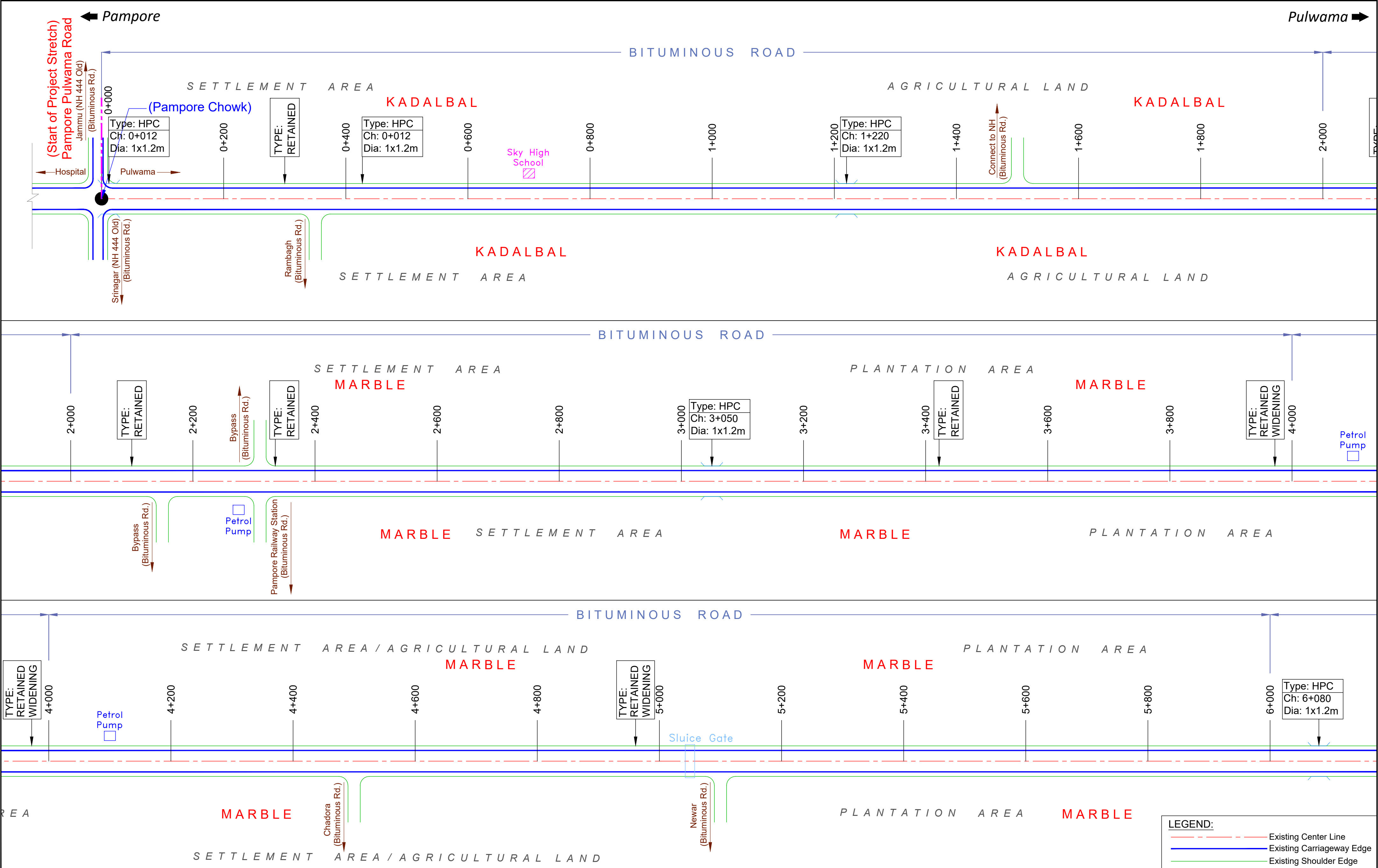
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 - 3. Weep hole in drain wall of 100mm dia. at GSB layer shall be provided @ 1m interval.
 - 4. Drain Cum Footpath/Drain shall be provided as per actual site condition during Construction.
 - 5. Existing Bituminous layer shall be scarified and recompacted (minimum WMM 75mm maximum 170mm)/GSB shall be laid over it depending upon the difference of FRL & recompacted level.



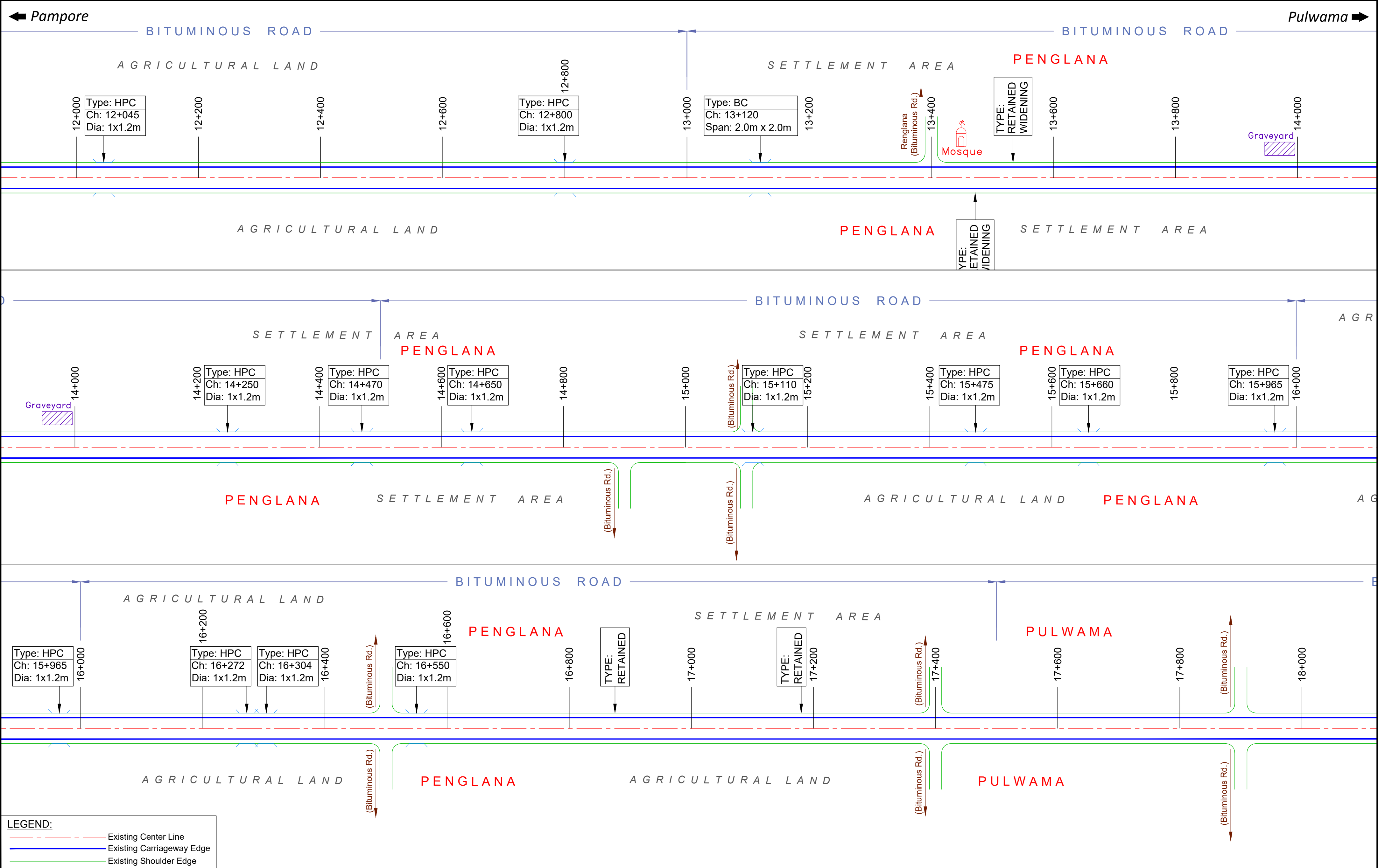
TYPE -11 : TYPICAL CROSS SECTION OF 2 LANE CARRIAGEWAY FOR RESTRICTED PROPERTY AT **LINK ROAD**



TYPE -12 : TYPICAL CROSS SECTION OF 2 LANE CARRIAGEWAY WITH RIVER BUND FOR **LINK ROAD**

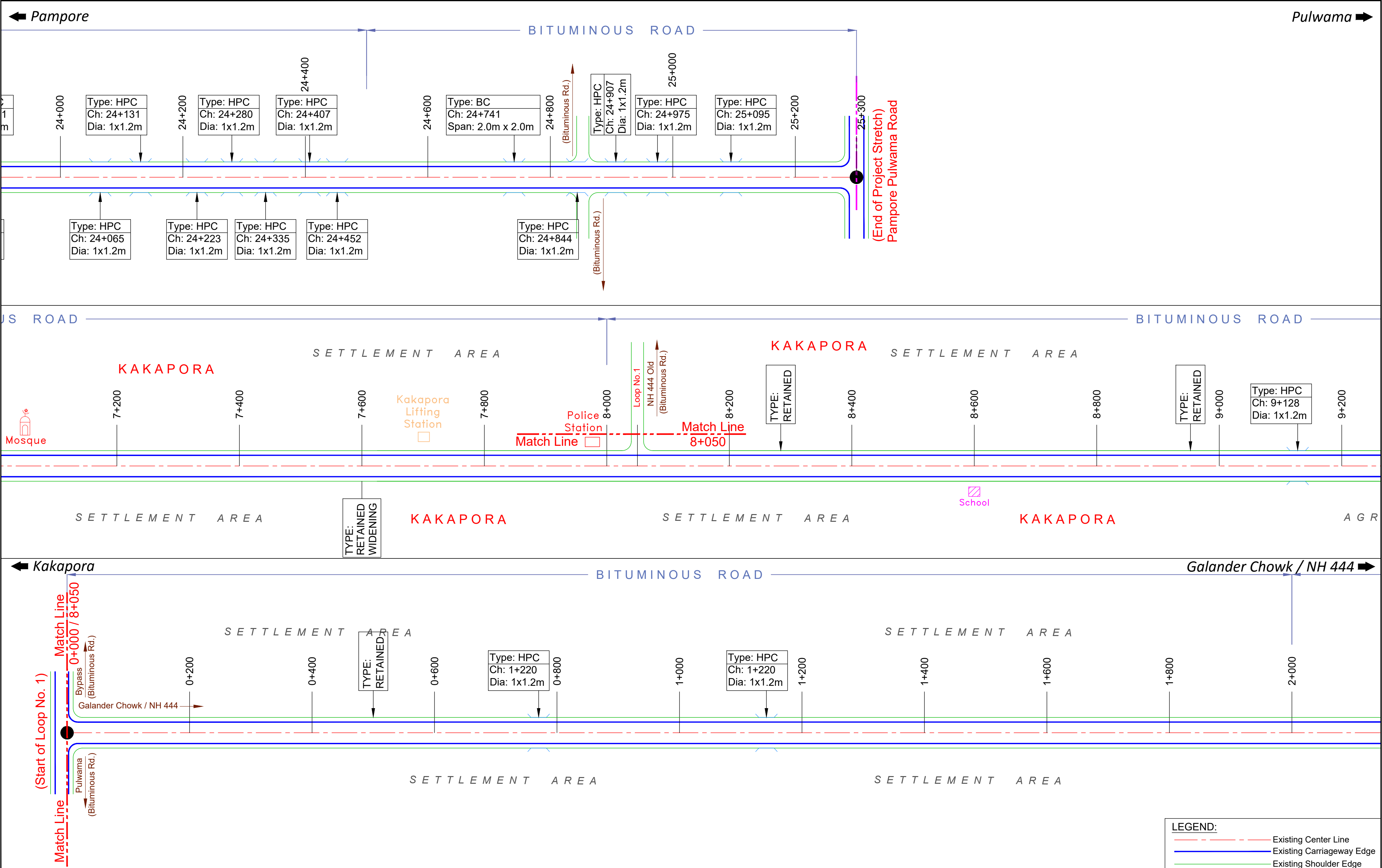


<div>CLIENT :</div> <div></div> <div>Jhelum Tawi Flood Recovery Project</div> <div>2nd Floor ERA Commercial Complex Rambagh</div> <div>Srinagar-190 009.</div>	<div>PROJECT :</div> <div>Consultancy Services for Preparing Detailed Project Report for the Road and Bridge works in Jammu and Kashmir <u>(Pampore Pulwama Road in Pulwama District)</u></div>	<div>DESIGN CONSULTANT:</div> <div>Eptisa Servicios de Ingenieria S.L. Unit 1203, 12th Floor, Tower 1, PS Srijan Corporate Park, Plot No. 2, Block EP & GP, Sector v, Salt Lake Kolkata - 700091, West Bengal Ph: 033-40347200 www.eptisa.com</div>				DRAWN BY : SD	<div>TITLE :</div> <div>Strip Plan</div>	
						DESIGNED BY : SCK/MM		<div>DRG. NO. :</div> <div>EPTISA/JTFRP/DPR/J&K/SP/01</div>
						APPROVED BY : KG		
						LONG SCALE:  0 25 50 75 100m		
						TRANS SCALE:  0 7 14 21m		
REV.	DATE	DESCRIPTION						



LEGEND:	
	Existing Center Line
	Existing Carriageway Edge
	Existing Shoulder Edge

CLIENT : Jhelum Tawi Flood Recovery Project 2nd Floor ERA Commercial Complex Rambagh Srinagar-190 009.		PROJECT : Consultancy Services for Preparing Detailed Project Report for the Road and Bridge works in Jammu and Kashmir (Pampore Pulwama Road in Pulwama District)		DESIGN CONSULTANT: Eptisa Servicios de Ingenieria S.L. Unit 1203, 12th Floor, Tower 1, PS Srijan Corporate Park, Plot No. 2, Block EP & GP, Sector v, Salt Lake Kolkata - 700091, West Bengal Ph: 033-40347200 www.eptisa.com		DRAWN BY : SD DESIGNED BY : SCK/MM APPROVED BY : KG		TITLE : Strip Plan DRG. NO. : EPTISA/JTFRP/DPR/J&K/SP/03 REVISION : R-1 August 2019	
REV.		DATE		DESCRIPTION		LONG SCALE: 0 25 50 75 100 (m) TRANS SCALE: 0 7 14 21 (m)			



CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



Eptisa Servicios de Ingenieria S.L.
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Corporate Park, Plot No. 2, Block EP & GP,
Sector v, Salt Lake Kolkata - 700091,
West Bengal
Ph: 033-40347200
www.eptisa.com

REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

LONG SCALE: 0 25 50 75 100 (m)
TRANS SCALE: 0 7 14 21 (m)

TITLE :
Strip Plan

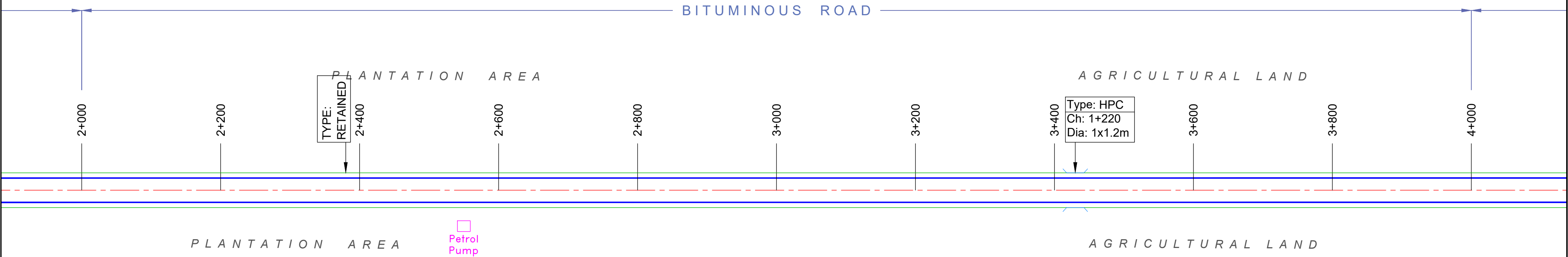
DRG. NO. : EPTISA/JTRFP/DPR/J&K/SP/05

REVISION : R-1

August 2019

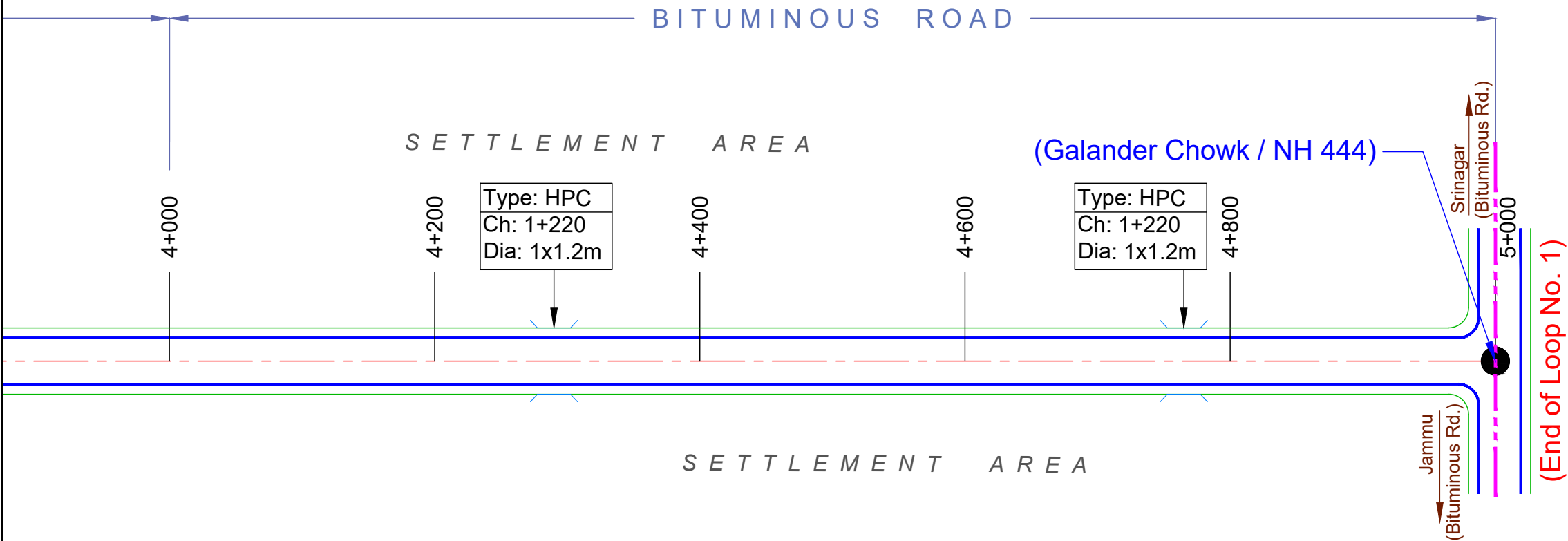
← Kakapora

Galander Chowk / NH 444 →



← Kakapora

Galander Chowk / NH 444 →



LEGEND:	
---	Existing Center Line
---	Existing Carriageway Edge
---	Existing Shoulder Edge

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
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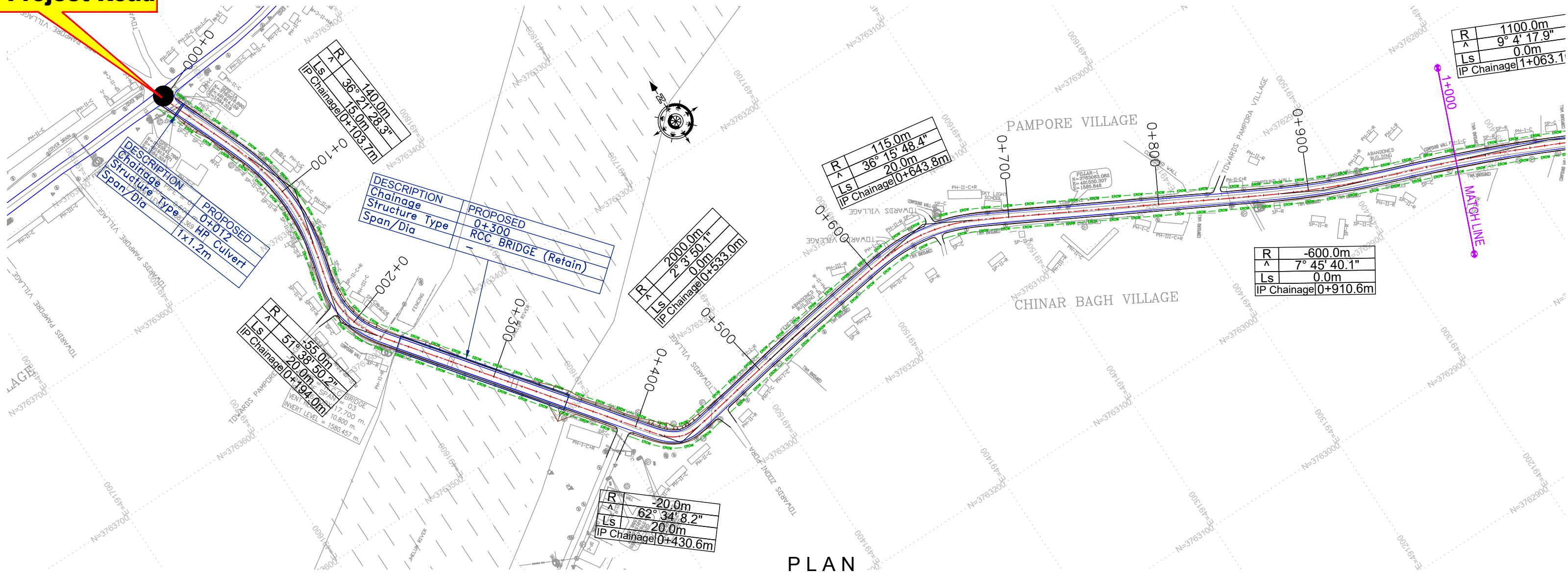
REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG

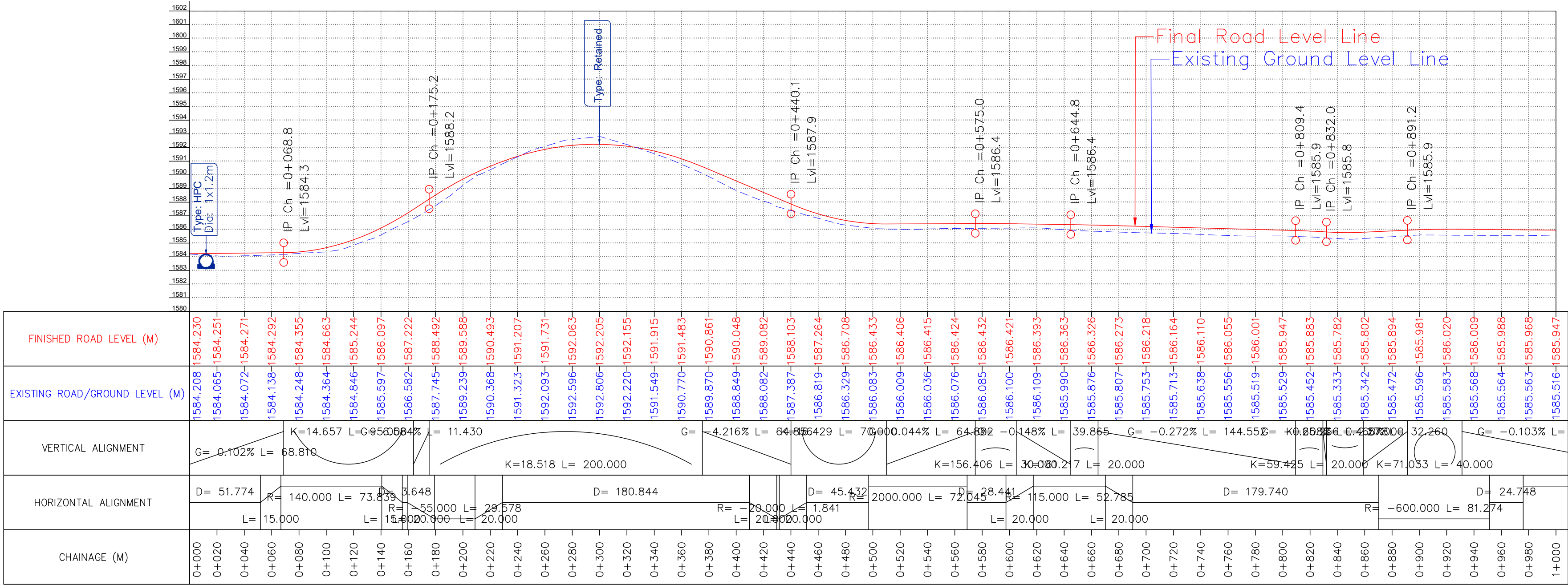
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TRANS SCALE:	0 7 14 21 (m)

TITLE :	
Strip Plan	
DRG. NO. :	EPTISA/JTFRP/DPR/J&K/SP/06
REVISION : R-1	August 2019

Start of Project Road



PLAN



LONGITUDINAL PROFILE

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
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REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE : HOR 1:2500
VER 1:250

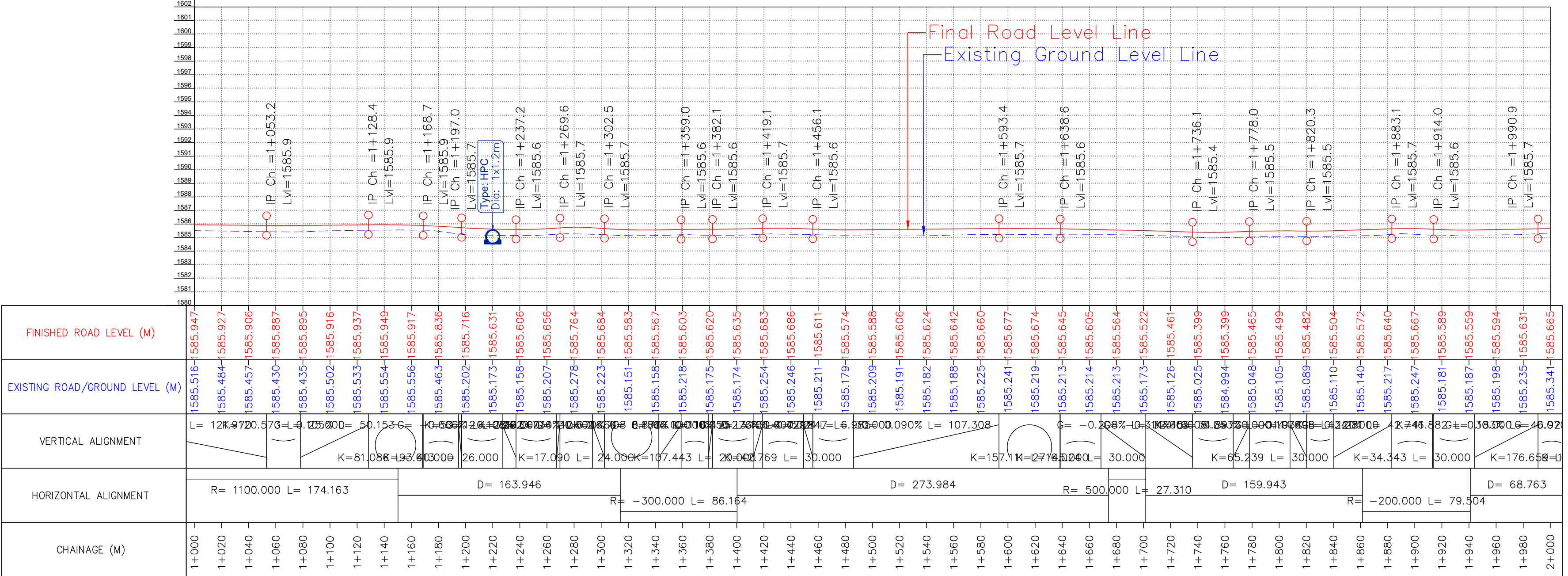
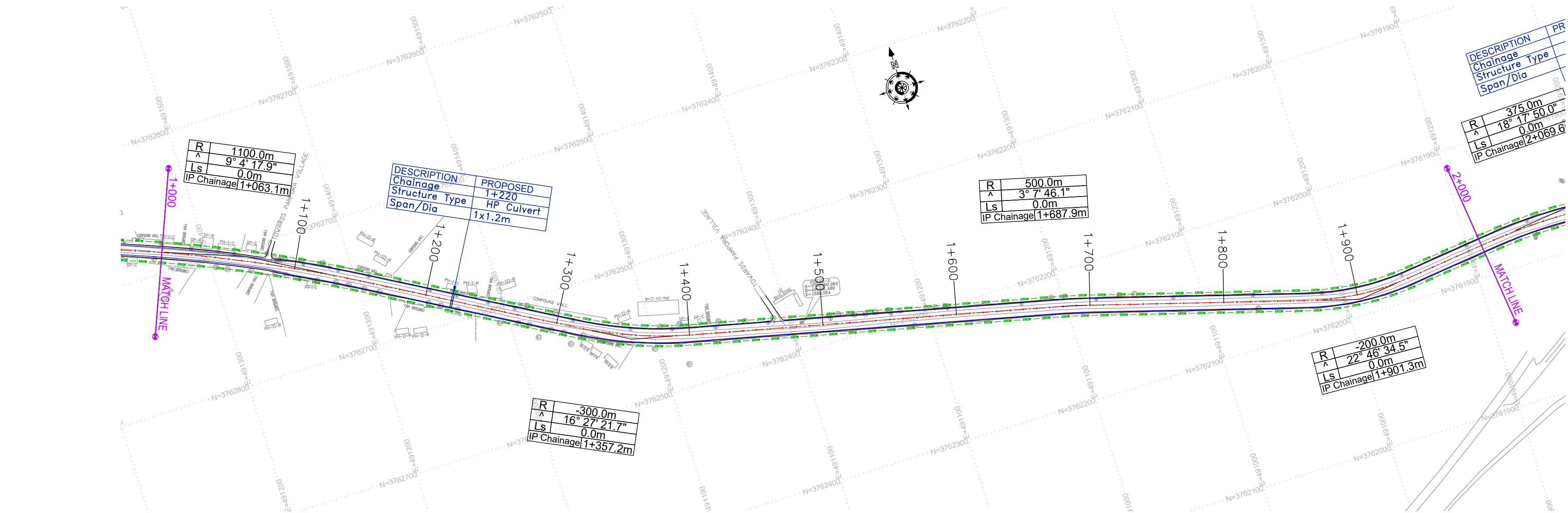
TITLE :

Plan and Profile
(Ch. 0+000 Km to Ch. 1+000 Km)

DRG. NO. : EPTISA/JTRP/DPR/J&K/PP/01

REVISION : R-1

August 2019



CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
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(Pampore Pulwama Road in Pulwama District)

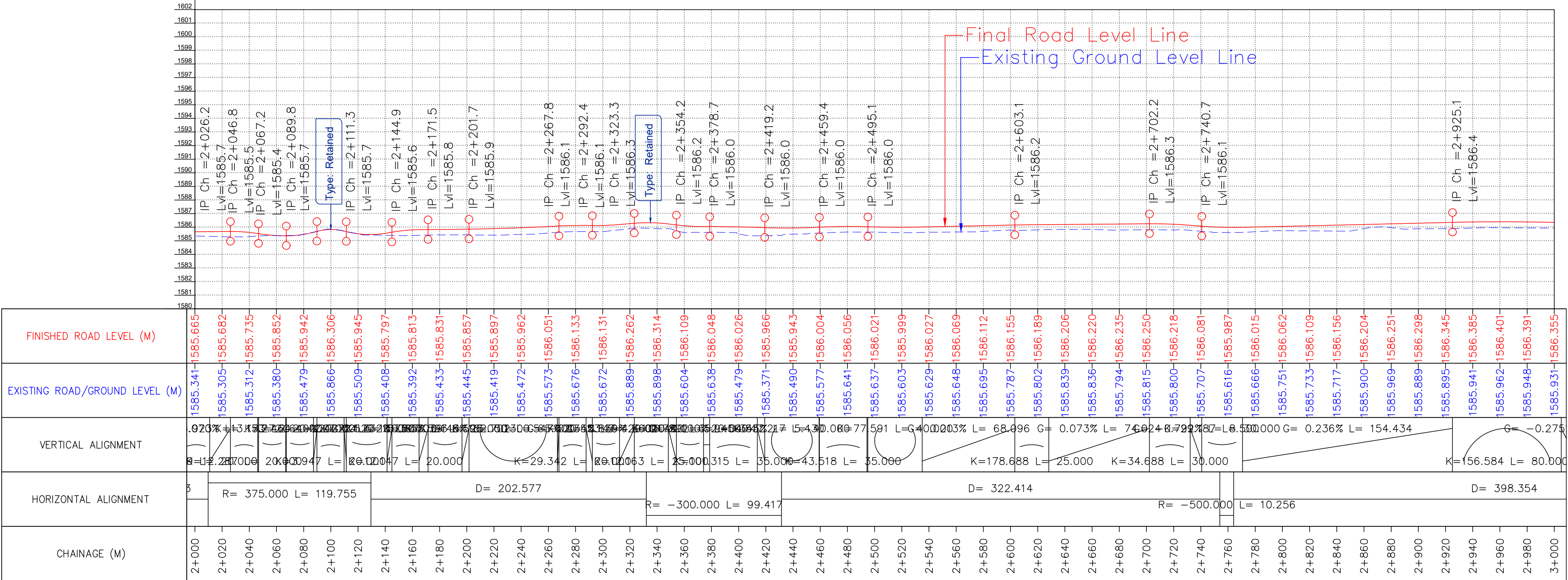
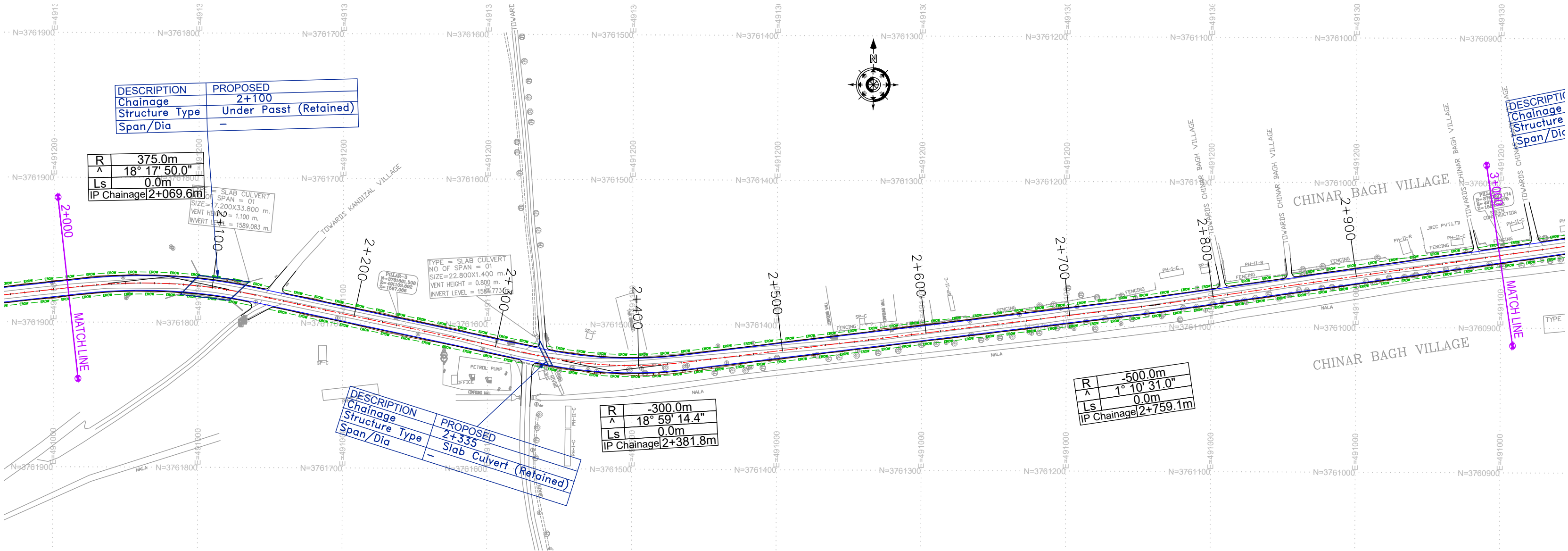
DESIGN CONSULTANT:

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REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	HOR 1:2500 VER 1:250

TITLE :	Plan and Profile (Ch. 1+000 Km to Ch. 2+000 Km)
DRG. NO. :	EPTISA/JTRP/DPR/J&K/PP/02
REVISION : R-1	August 2019



CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:

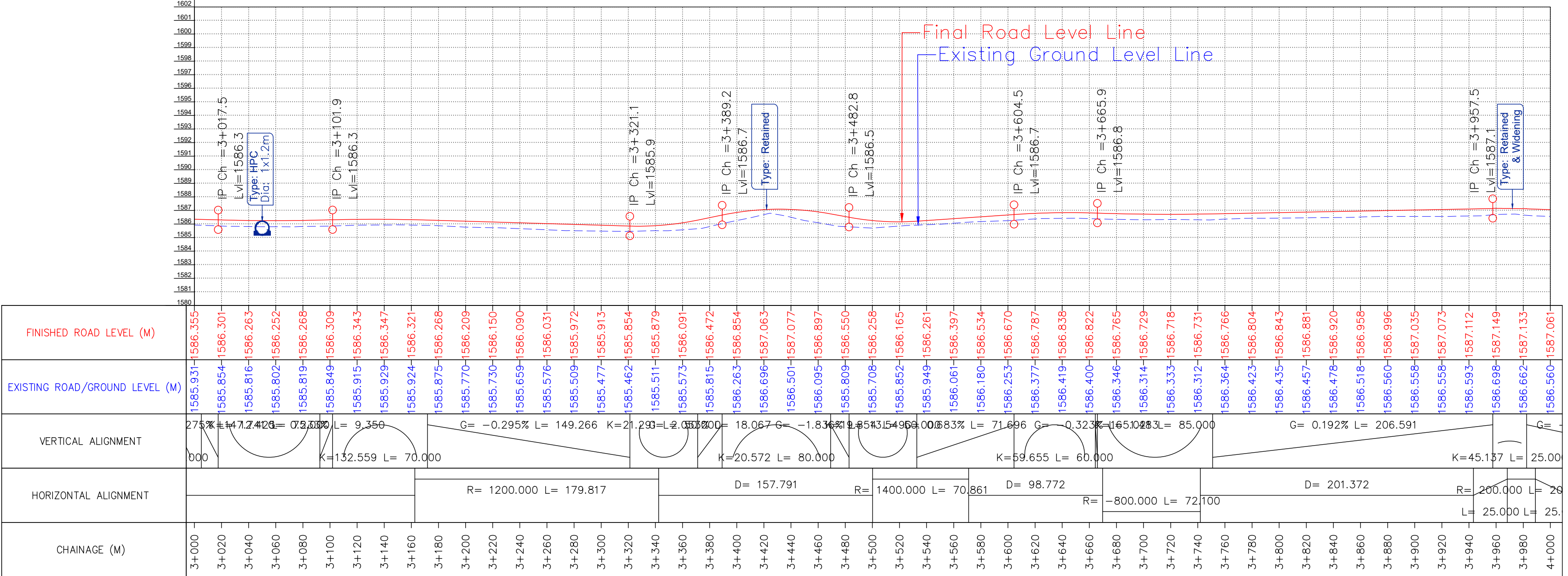


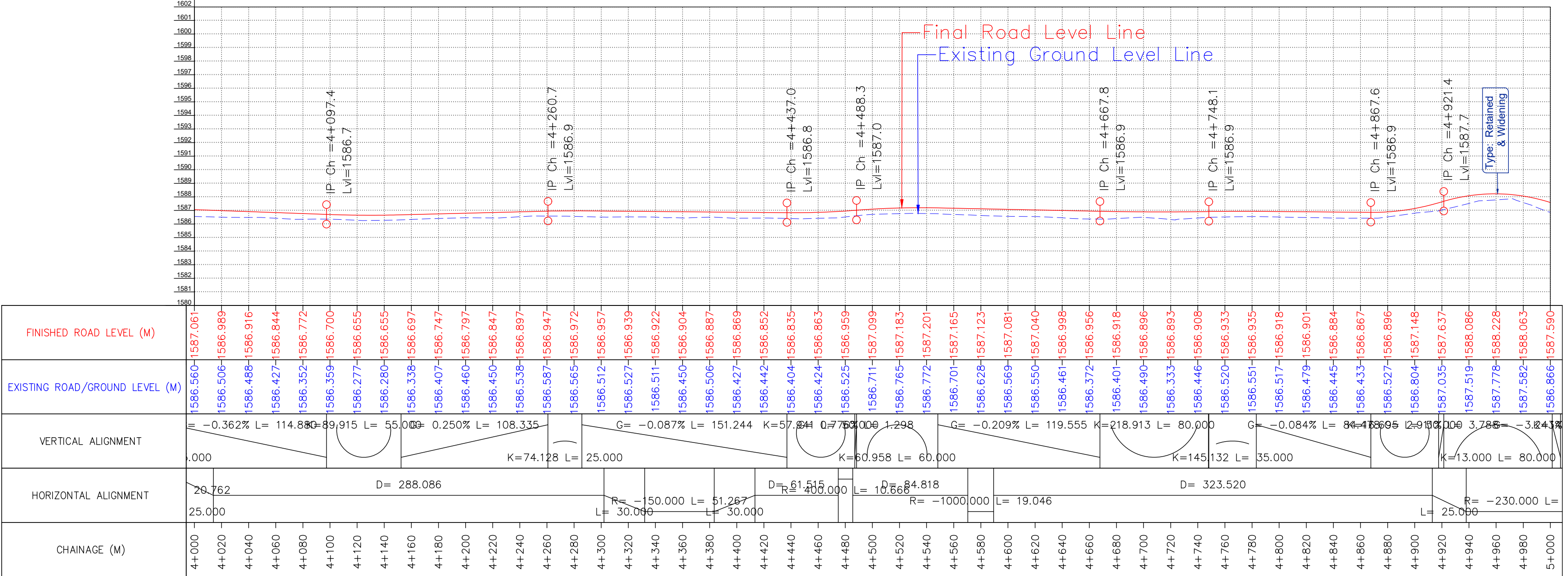
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REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	HOR 1:2500 VER 1:250

TITLE :	Plan and Profile (Ch. 2+000 Km to Ch. 3+000 Km)
DRG. NO. :	EPTISA/JTRP/DPR/J&K/PP/03
REVISION : R-1	August 2019





CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
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REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

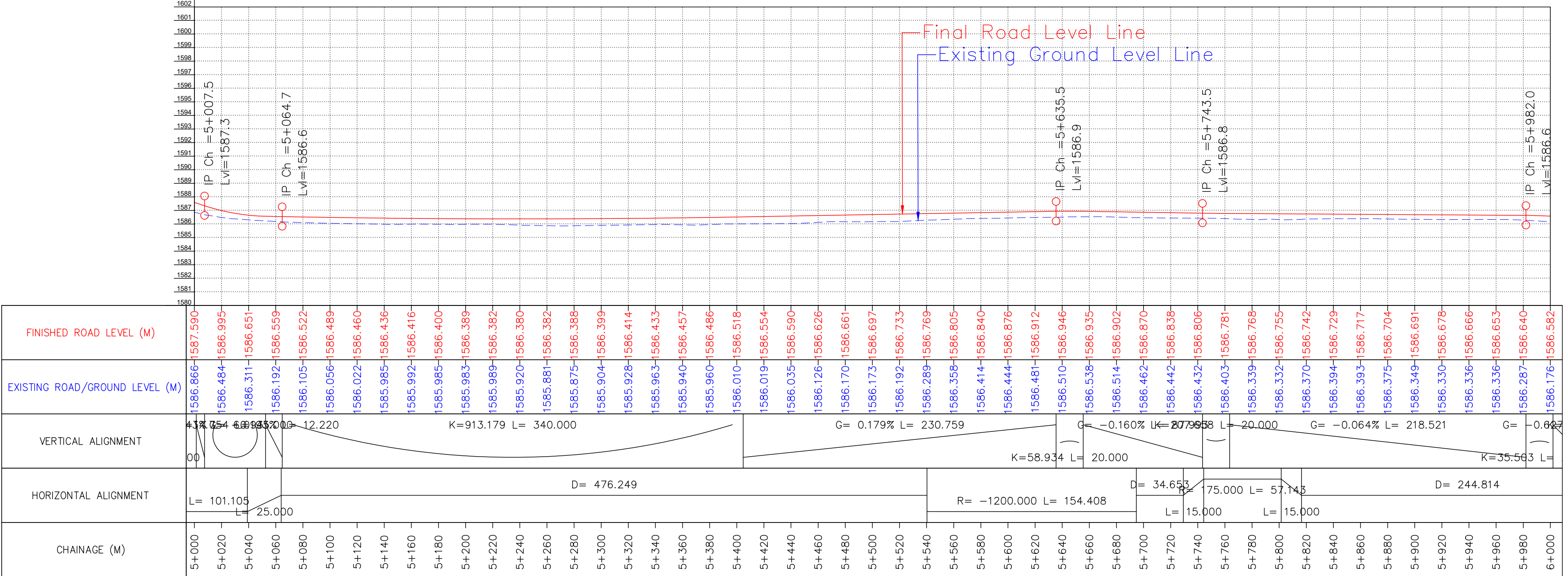
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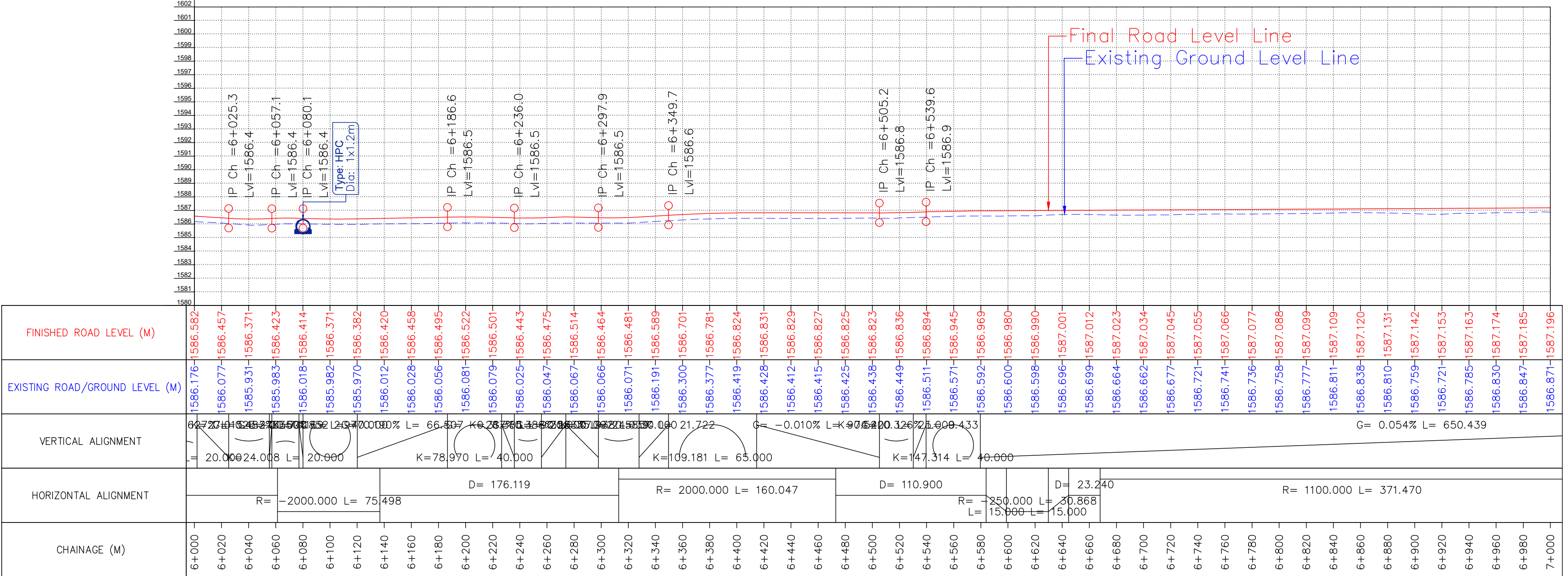
TITLE : **Plan and Profile**
(Ch. 4+000 Km to Ch. 5+000 Km)

DRG. NO. : EPTISA/JTRP/DPR/J&K/PP/05

REVISION : R-1

August 2019





FINISHED ROAD LEVEL (M)	1586.582	1586.457	1586.371	1586.423	1586.414	1586.371	1586.382	1586.420	1586.458	1586.495	1586.522	1586.501	1586.443	1586.475	1586.514	1586.464	1586.481	1586.589	1586.701	1586.781	1586.824	1586.831	1586.829	1586.827	1586.825	1586.823	1586.836	1586.894	1586.945	1586.969	1586.980	1586.990	1587.001	1587.012	1587.023	1587.034	1587.045	1587.055	1587.066	1587.077	1587.088	1587.099	1587.109	1587.120	1587.131	1587.142	1587.153	1587.163	1587.174	1587.185	1587.196	
EXISTING ROAD/GROUND LEVEL (M)	1586.176	1586.077	1585.931	1585.983	1586.018	1585.982	1585.970	1586.012	1586.028	1586.056	1586.081	1586.079	1586.025	1586.047	1586.067	1586.066	1586.071	1586.191	1586.300	1586.377	1586.419	1586.428	1586.412	1586.415	1586.425	1586.438	1586.449	1586.511	1586.571	1586.592	1586.592	1586.600	1586.598	1586.696	1586.699	1586.664	1586.662	1586.677	1586.721	1586.741	1586.736	1586.758	1586.777	1586.811	1586.838	1586.810	1586.759	1586.721	1586.785	1586.830	1586.847	1586.871
VERTICAL ALIGNMENT	G = -0.010% L = 66.507 K = 78.970 L = 40.000 G = 0.054% L = 650.439																																																			
HORIZONTAL ALIGNMENT	R = -2000.000 L = 75.498 D = 176.119 R = 2000.000 L = 160.047 D = 110.900 R = 1100.000 L = 371.470																																																			
CHAINAGE (M)	6+000	6+020	6+040	6+060	6+080	6+100	6+120	6+140	6+160	6+180	6+200	6+220	6+240	6+260	6+280	6+300	6+320	6+340	6+360	6+380	6+400	6+420	6+440	6+460	6+480	6+500	6+520	6+540	6+560	6+580	6+600	6+620	6+640	6+660	6+680	6+700	6+720	6+740	6+760	6+780	6+800	6+820	6+840	6+860	6+880	6+900	6+920	6+940	6+960	6+980	7+000	

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
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(Pampore Pulwama Road in Pulwama District)

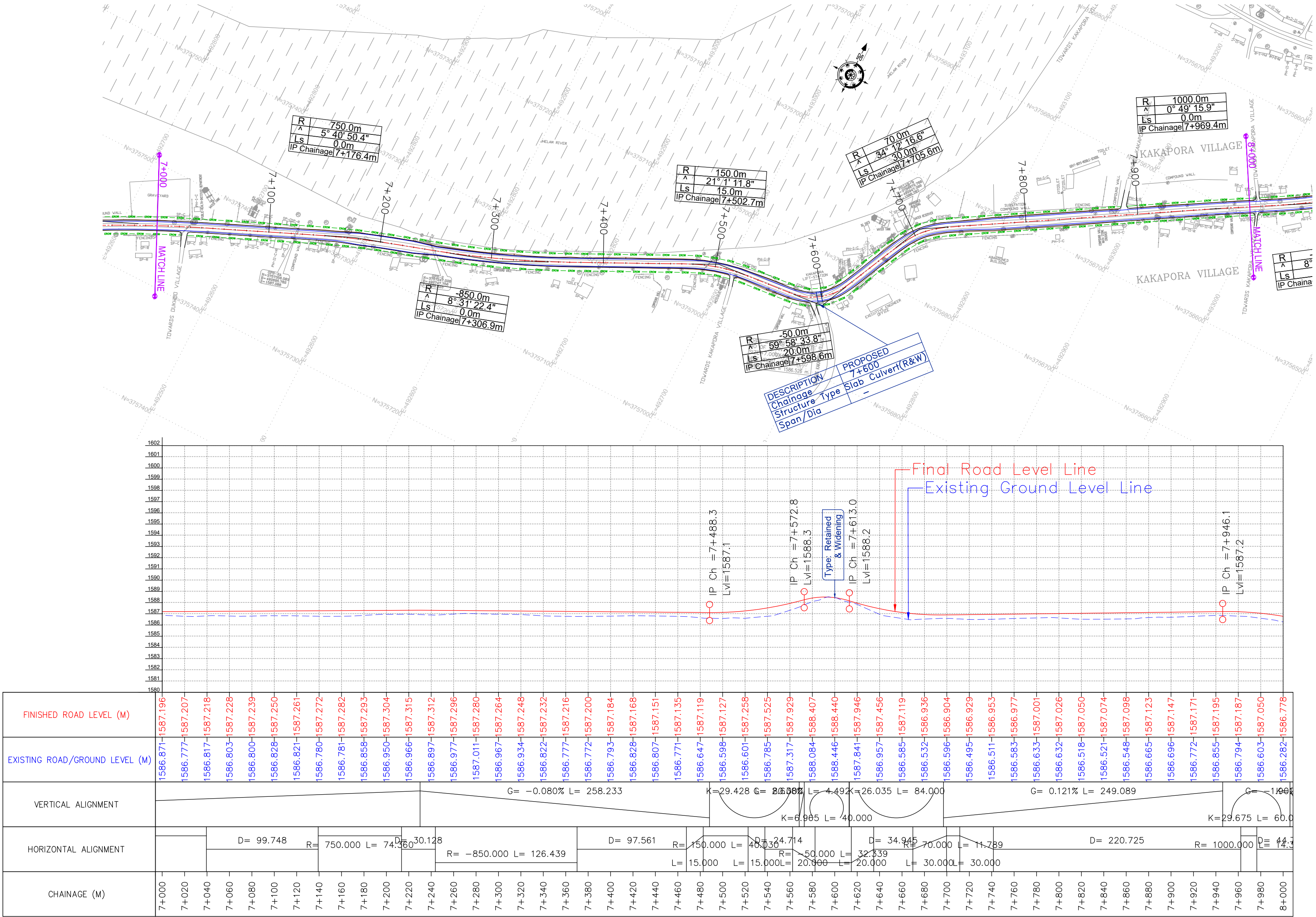
DESIGN CONSULTANT:

eptisa **Servicios de Ingenieria S.L.**
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Sector v, Salt Lake Kolkata - 700091,
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REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	HOR 1:2500 VER 1:250

TITLE :	Plan and Profile (Ch. 6+000 Km to Ch. 7+000 Km)
DRG. NO. :	EPTISA/JTRP/DPR/J&K/PP/07
REVISION : R-1	August 2019



CLIENT :



Jhelum & Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



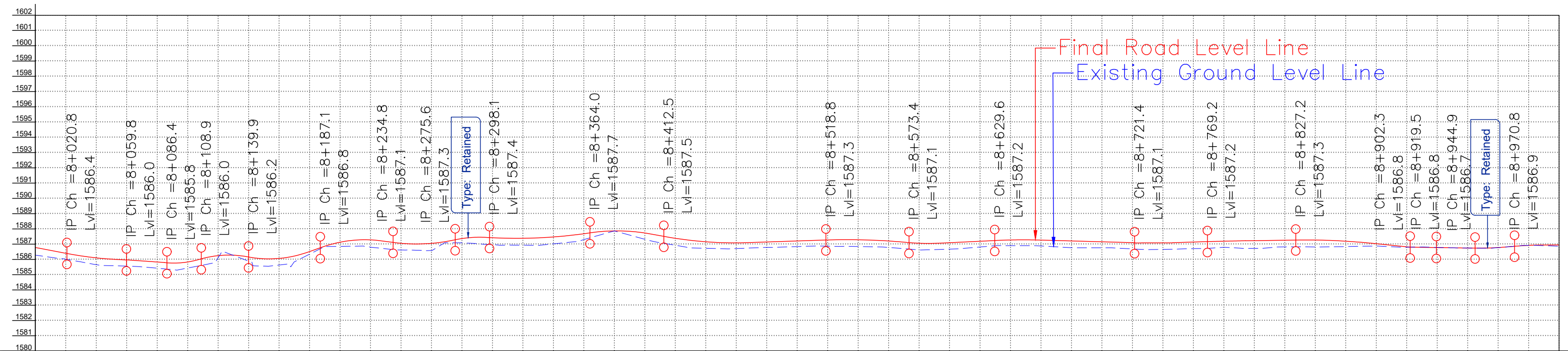
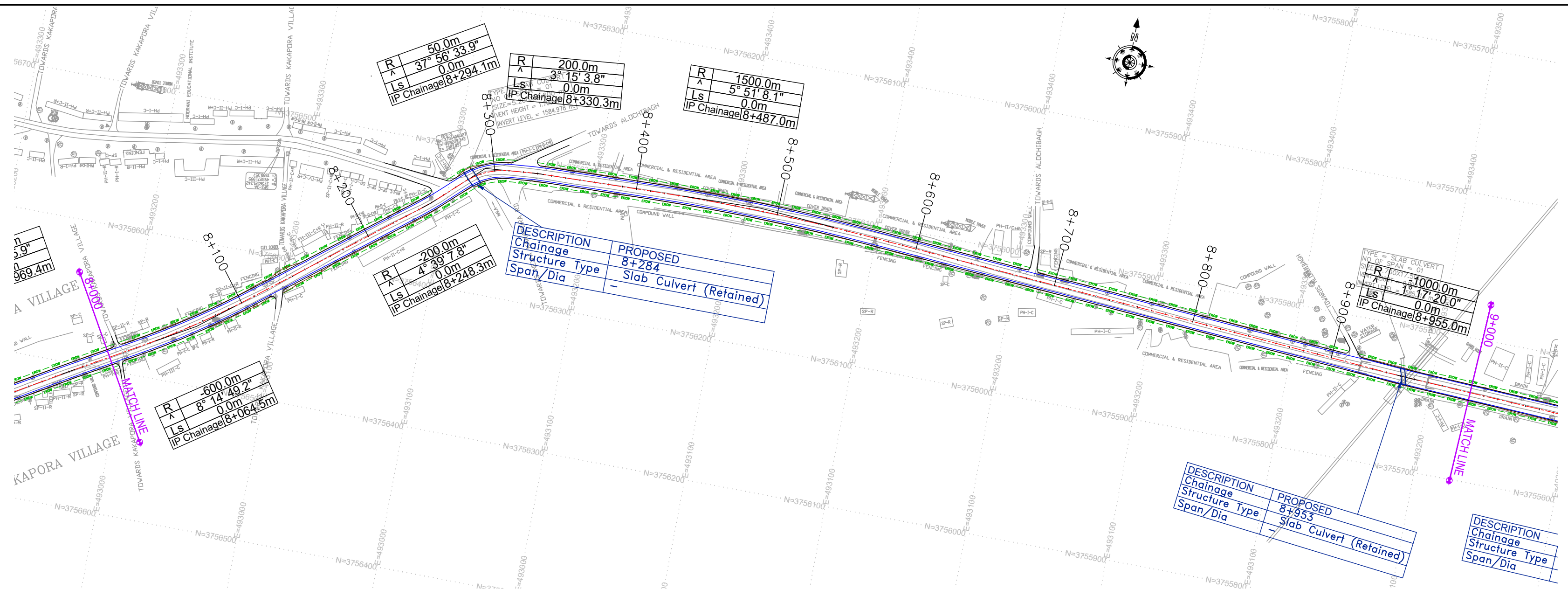
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REV.	DATE	DESCRIPTION

DRAWN BY : SD
DESIGNED BY : SCK/MM
APPROVED BY : KG
SCALE : HOR 1:2500
VER 1:250

TITLE : **Plan and Profile**
(Ch. 7+000 Km to Ch. 8+000 Km)
DRG. NO. : EPTISA/JTRP/DPR/J&K/PP/08
REVISION : R-1
August 2019

Pulwama ➡

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**JEHLUM & TAWI
FLOOD RECOVERY PROJECT**

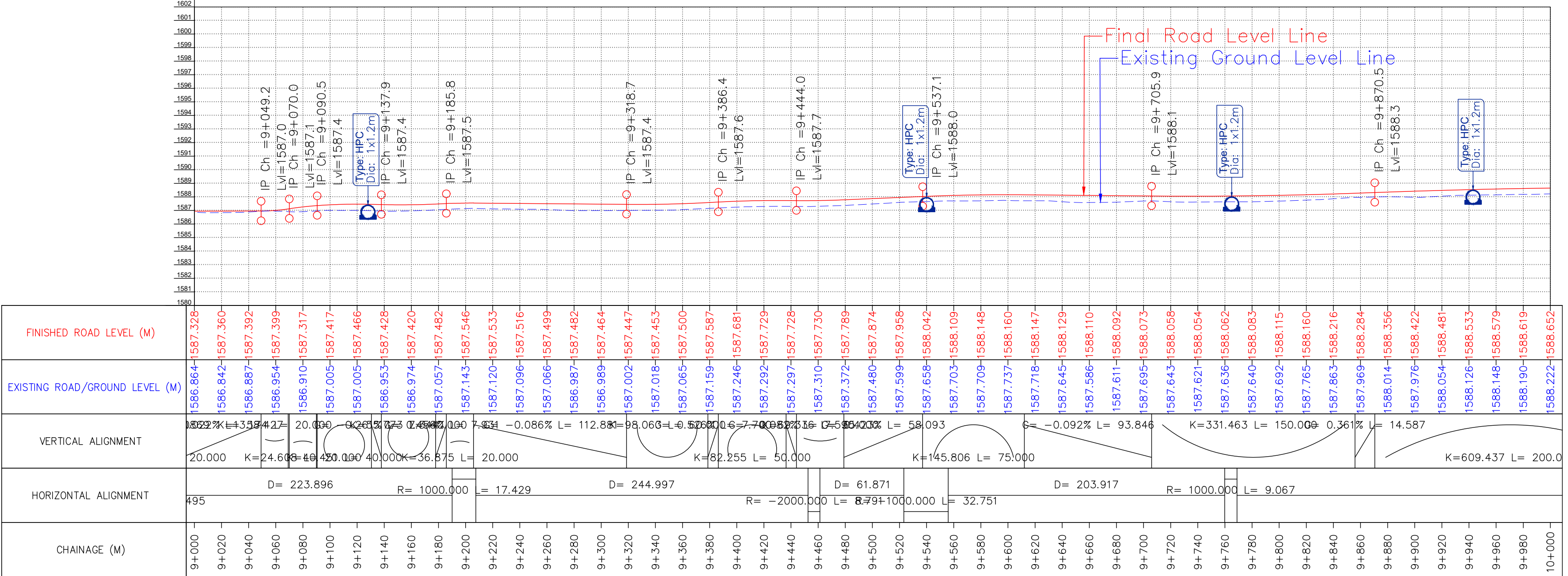
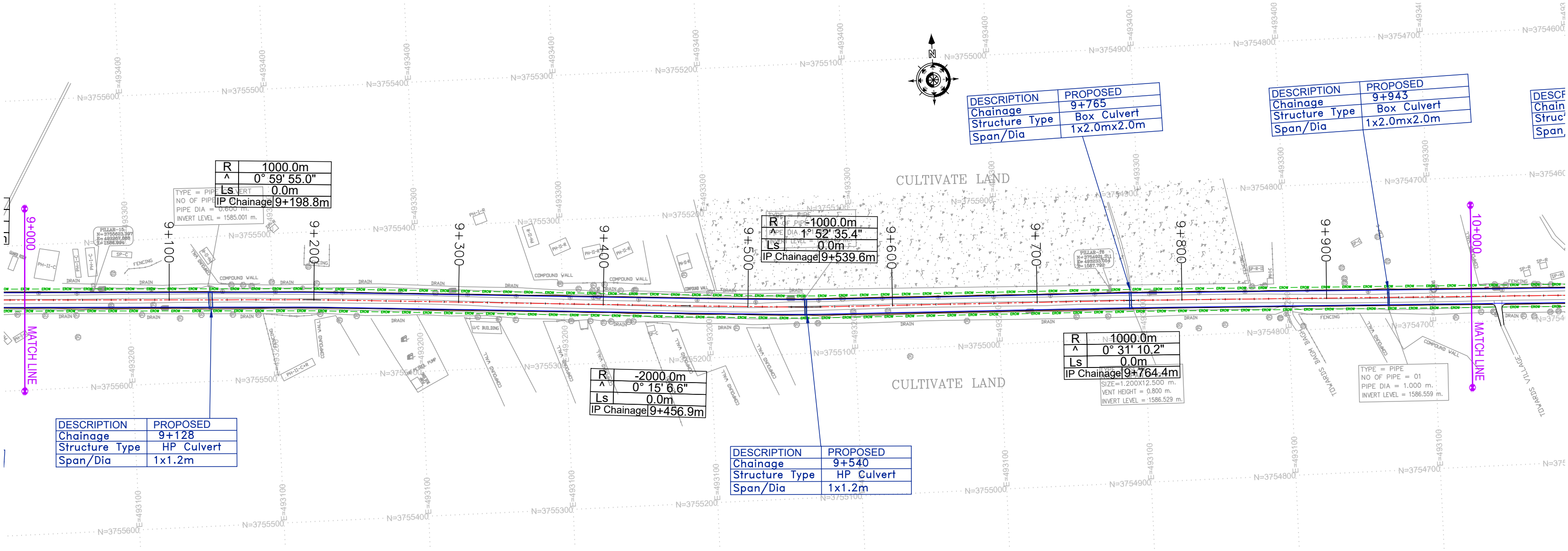
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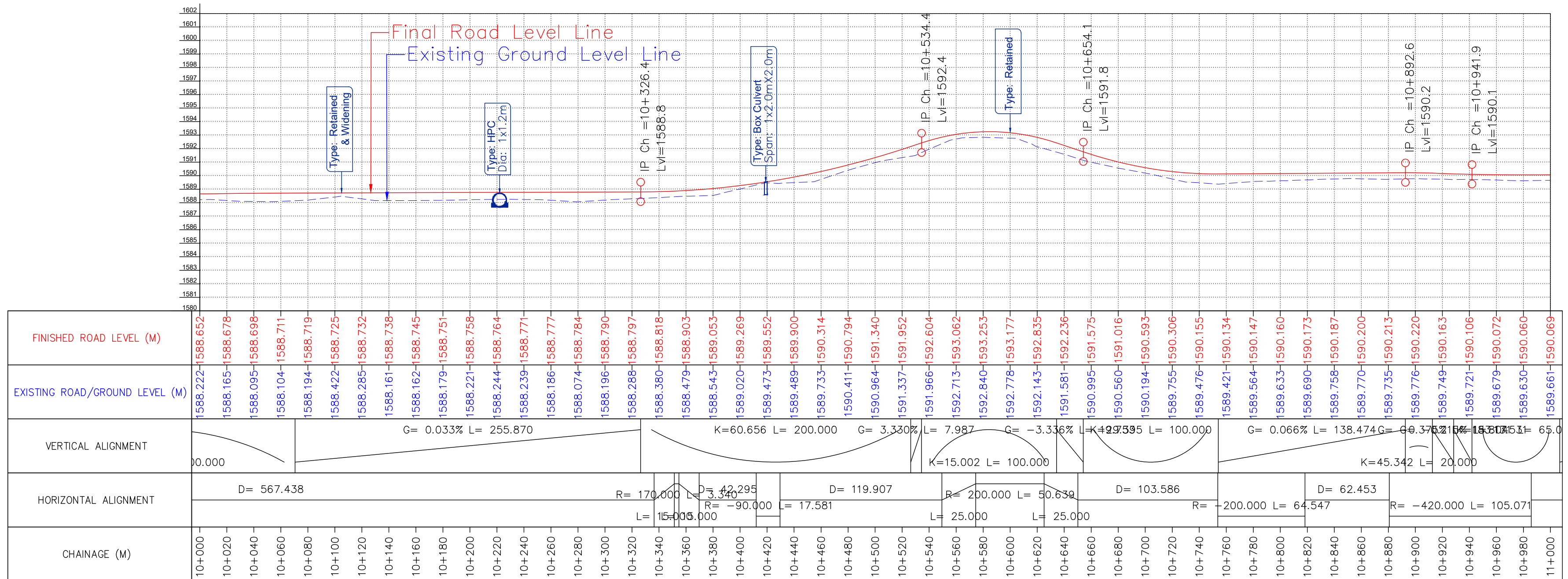
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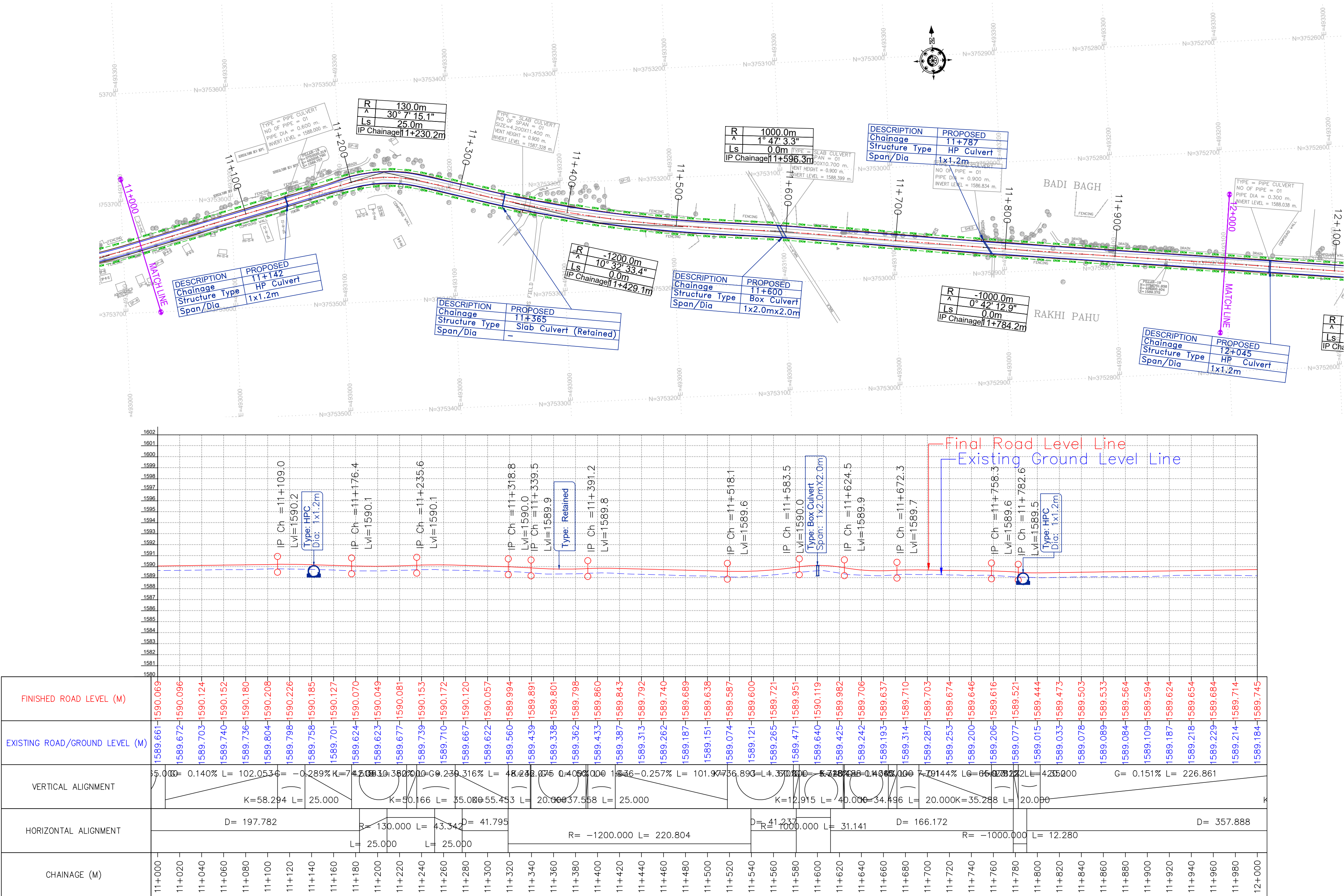
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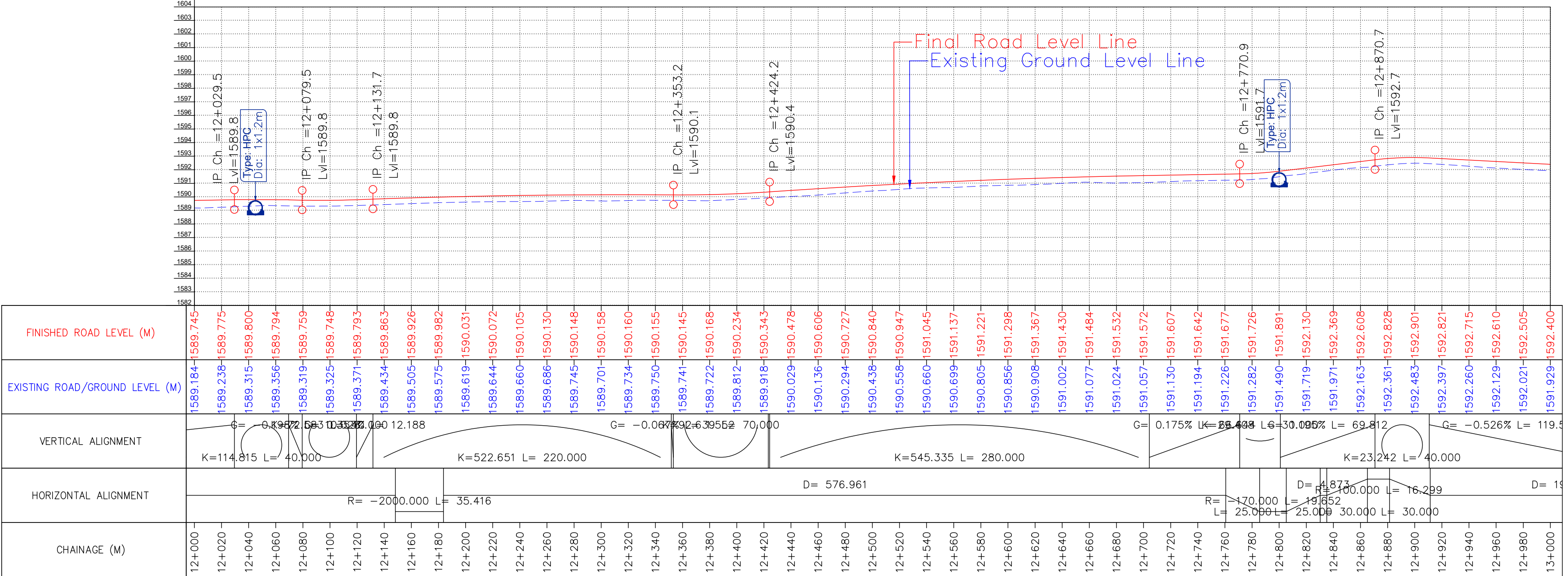
REVISION : R-1

August 2019









FINISHED ROAD LEVEL (M)	1589.745	1589.775	1589.800	1589.794	1589.759	1589.748	1589.793	1589.863	1589.926	1589.982	1590.031	1590.072	1590.105	1590.130	1590.148	1590.158	1590.160	1590.155	1590.145	1590.168	1590.234	1590.343	1590.478	1590.606	1590.727	1590.840	1590.947	1591.045	1591.137	1591.221	1591.298	1591.367	1591.430	1591.484	1591.532	1591.572	1591.607	1591.642	1591.677	1591.726	1591.891	1592.130	1592.369	1592.608	1592.828	1592.901	1592.821	1592.715	1592.610	1592.505	1592.400																															
EXISTING ROAD/GROUND LEVEL (M)	1589.184	1589.238	1589.315	1589.356	1589.319	1589.325	1589.371	1589.434	1589.505	1589.575	1589.619	1589.644	1589.660	1589.686	1589.745	1589.701	1589.734	1589.750	1589.741	1589.722	1589.812	1589.918	1590.029	1590.136	1590.294	1590.438	1590.558	1590.660	1590.699	1590.805	1590.856	1590.908	1591.002	1591.077	1591.024	1591.057	1591.130	1591.194	1591.226	1591.282	1591.490	1591.719	1591.971	1592.163	1592.361	1592.483	1592.397	1592.260	1592.129	1592.021	1591.929																															
VERTICAL ALIGNMENT	G = -0.1382% L = 40.000																														G = -0.0872% L = 70.000																								G = 0.175% L = 30.000										G = -0.526% L = 119.500																	
HORIZONTAL ALIGNMENT	K=114.815 L= 40.000																														K=522.651 L= 220.000																												K=545.335 L= 280.000												K=23.242 L= 40.000											
CHAINAGE (M)	12+000	12+020	12+040	12+060	12+080	12+100	12+120	12+140	12+160	12+180	12+200	12+220	12+240	12+260	12+280	12+300	12+320	12+340	12+360	12+380	12+400	12+420	12+440	12+460	12+480	12+500	12+520	12+540	12+560	12+580	12+600	12+620	12+640	12+660	12+680	12+700	12+720	12+740	12+760	12+780	12+800	12+820	12+840	12+860	12+880	12+900	12+920	12+940	12+960	12+980	13+000																															

CLIENT :



Jhelum Tawi Flood Recovery Project
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Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:

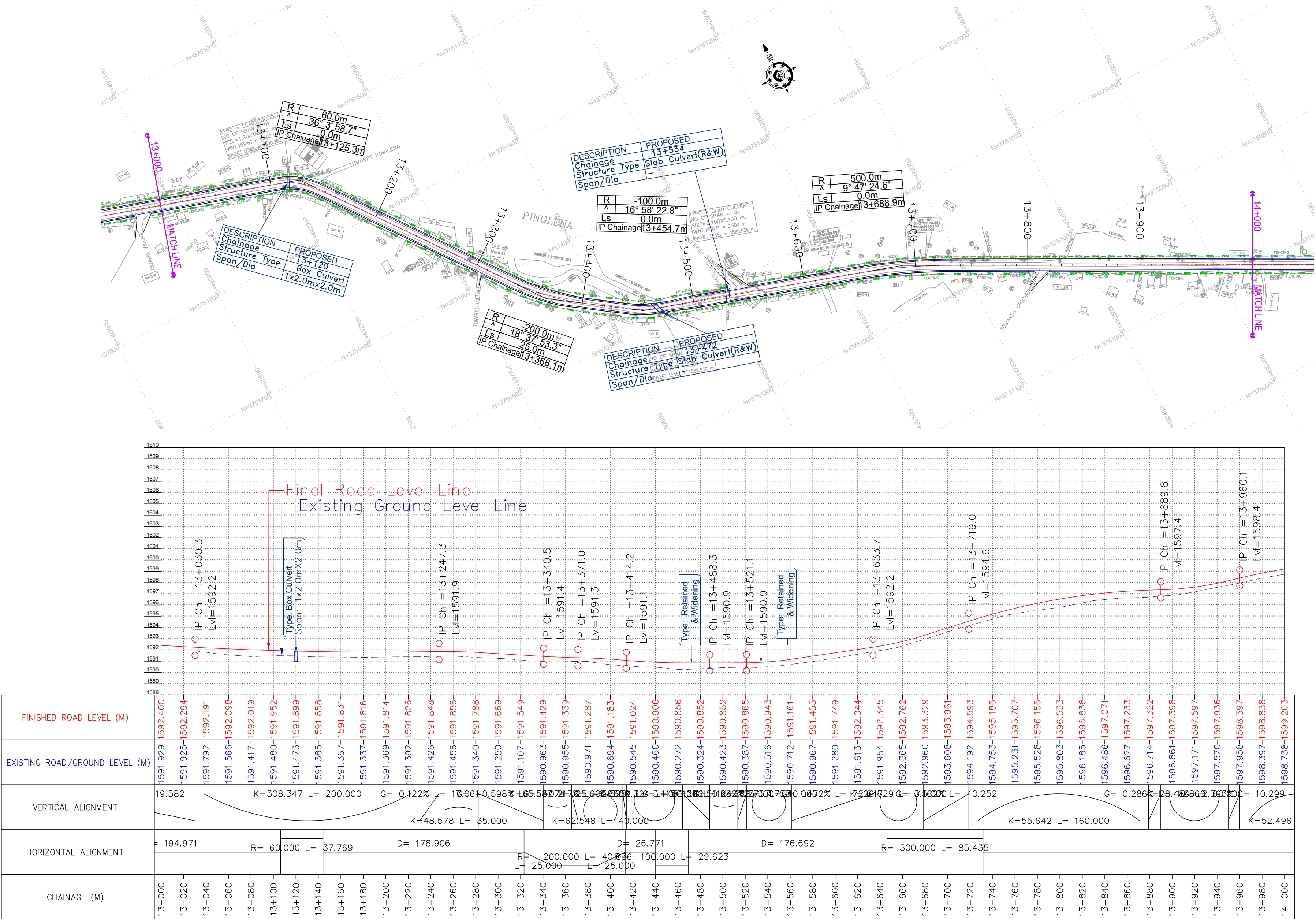


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Ph: 033-40347200
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REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	HOR 1:2500 VER 1:250

TITLE :	Plan and Profile (Ch. 12+000 Km to Ch. 13+000 Km)
DRG. NO. :	EPTISA/JTRFP/DPR/J&K/PP/13
REVISION : R-1	August 2019



CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
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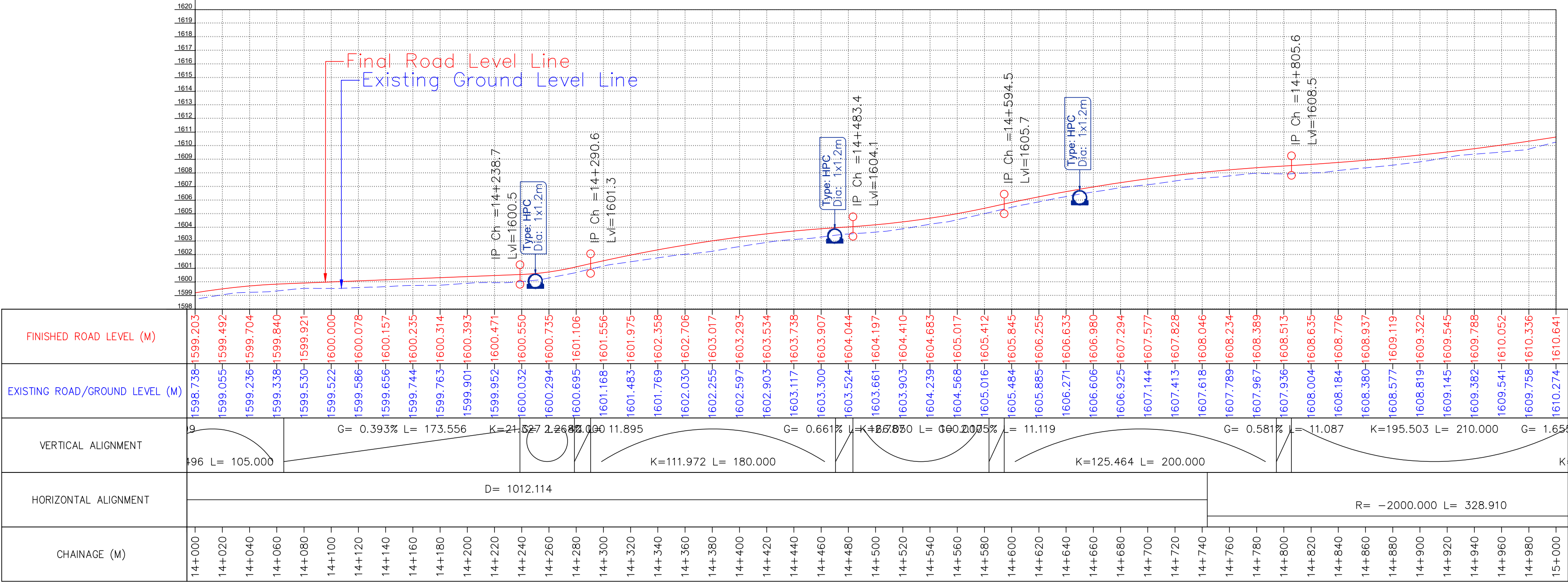
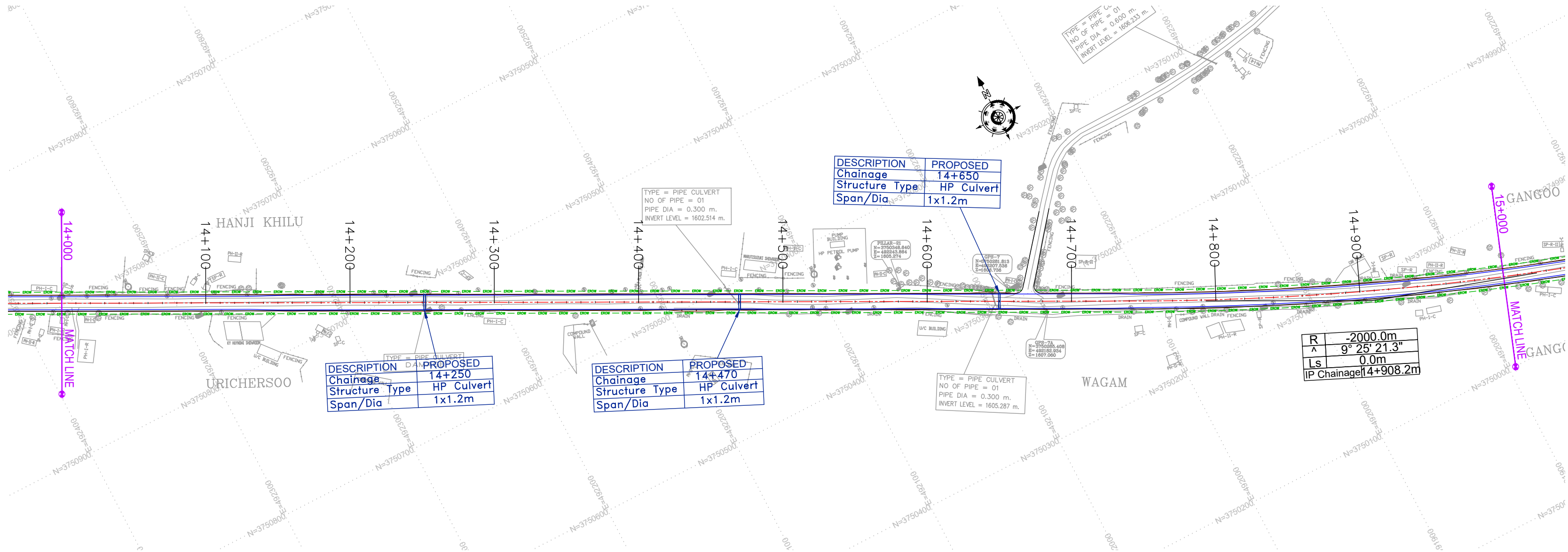
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REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	HOR 1:2500 VER 1:250

TITLE :	Plan and Profile (Ch. 13+000 Km to Ch. 14+000 Km)
DRG. NO. :	EPTISA/JTRP/DPR/J&K/PP/14
REVISION : R-1	August 2019



CLIENT :



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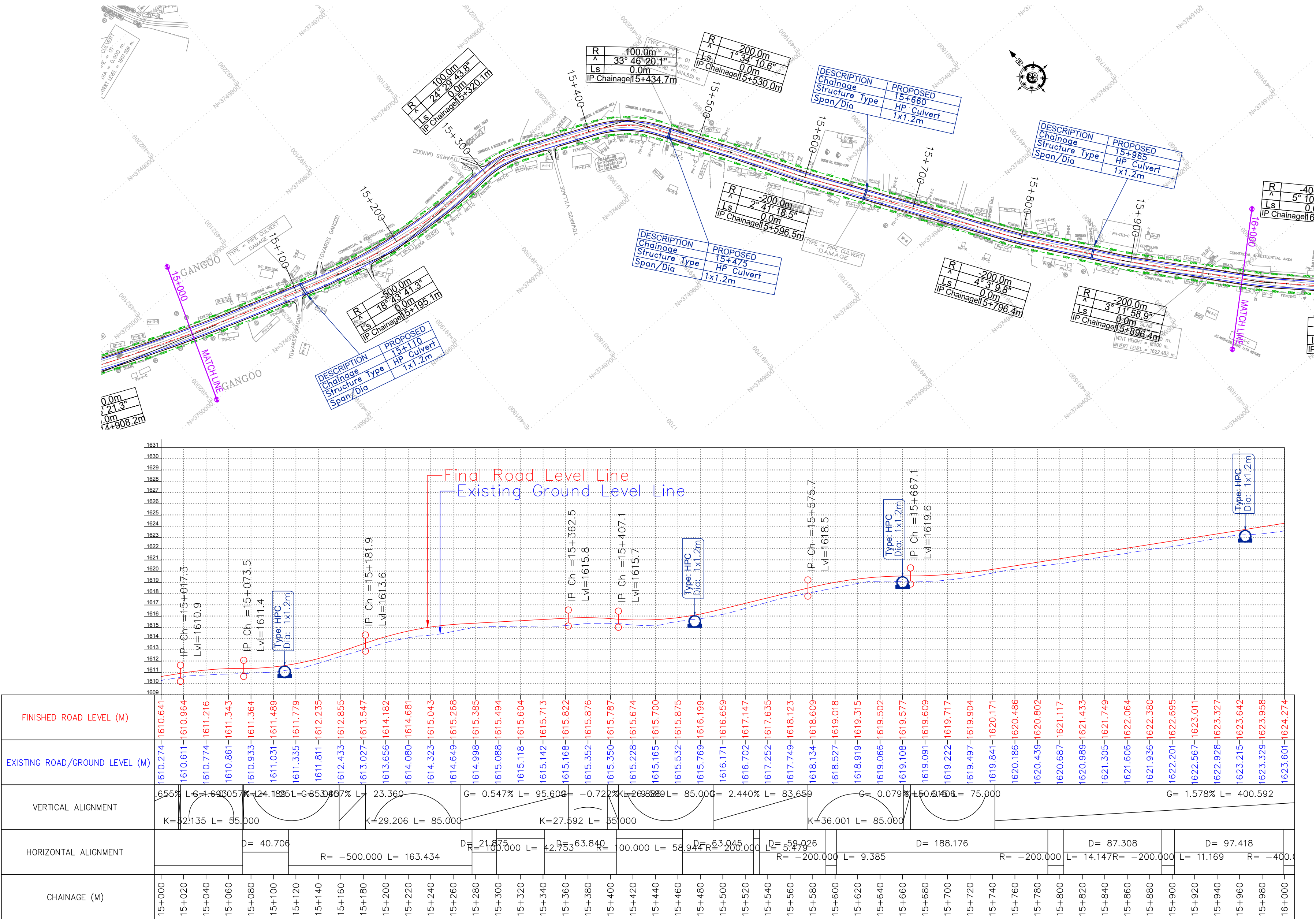
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REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	HOR 1:2500 VER 1:250

TITLE :	Plan and Profile (Ch. 14+000 Km to Ch. 15+000 Km)
DRG. NO. :	EPTISA/JTRP/DPR/J&K/PP/15
REVISION : R-1	August 2019



CLIENT :



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2nd Floor ERA Commercial Complex Rambagh
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Unit 1203, 12th Floor, Tower 1, PS Srijan
Corporate Park, Plot No. 2, Block EP & GP,
Sector v, Salt Lake Kolkata - 700091,
West Bengal
Ph: 033-40347200
www.eptisa.com

REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

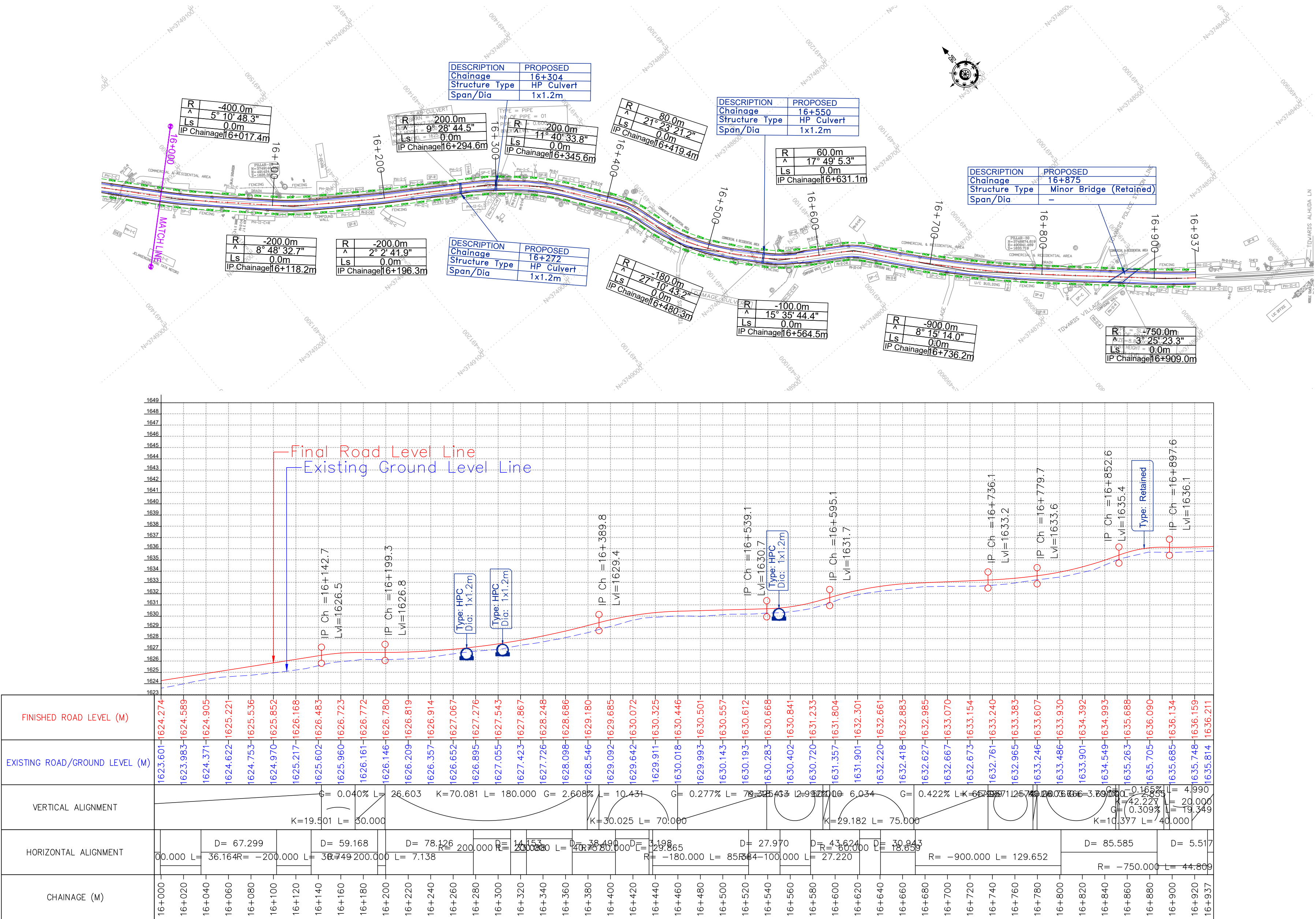
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VER 1:250

TITLE : **Plan and Profile**
(Ch. 15+000 Km to Ch. 16+000 Km)

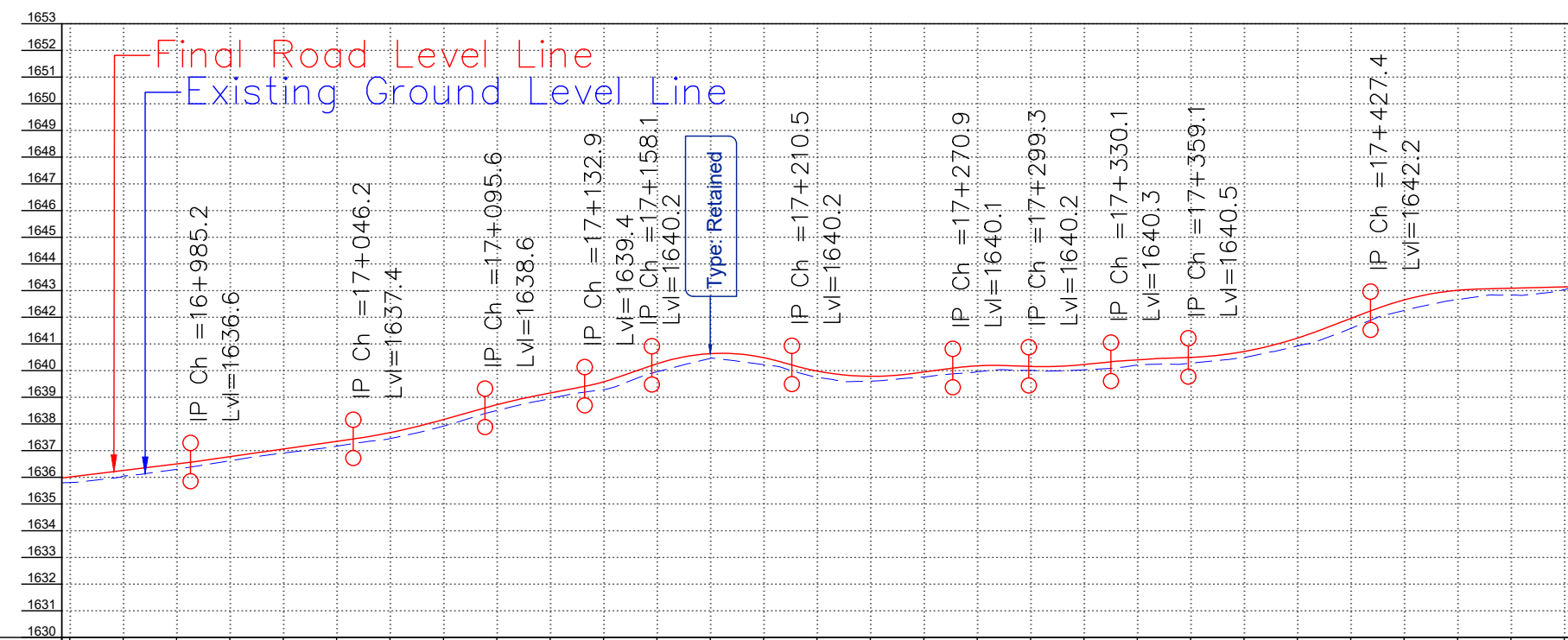
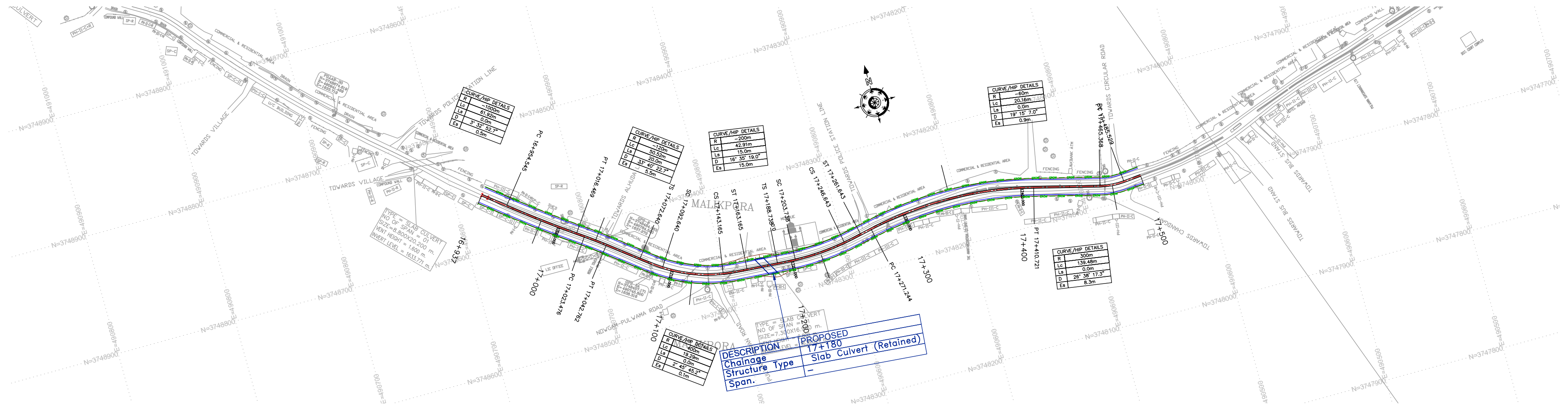
DRG. NO. : EPTISA/JTRP/DPR/J&K/PP/16

REVISION : R-1

August 2019



Pulwama ➡



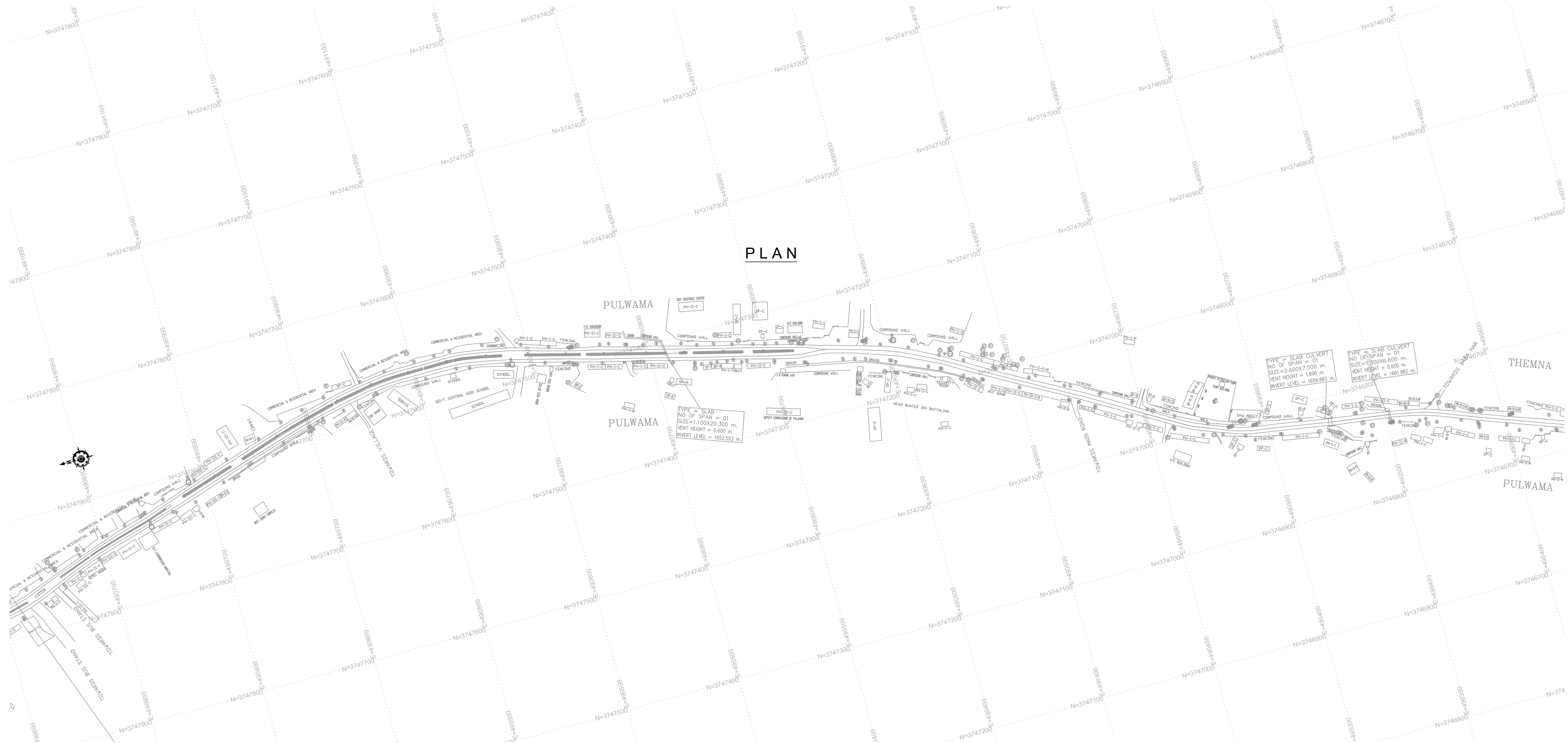
CHAINAGE (M)	16+877	16+890	16+930	16+960	16+980	17+000	17+020	17+040	17+060	17+080	17+100	17+120	17+140	17+160	17+180	17+200	17+220	17+240	17+260	17+280	17+300	17+320	17+340	17+360	17+380	17+400	17+420	17+440	17+460	17+480	17+500	17+505
HORIZONTAL ALIGNMENT	D= 22.299 R= -1000.000		D= 6.865 R= 400.000		D= 29.705 R= 19.370		D= 120.000 R= 20.000		D= 50.466 R= 20.000		D= 25.681 R= 15.000		D= 200.000 R= 15.000		D= 43.045 R= 15.000		D= 9.530 R= 300.000		D= 139.477 R= 300.000		D= 54.647 R= -60.000		D= 14.456 R= 20.161									
VERTICAL ALIGNMENT	K= 16.000 G= 1.222%		K= 14.367 G= 1.252%		K= 23.453 G= 1.895%		K= 19.850 G= 1.771%		K= 7.553 G= 1.494%		K= 47.602 G= 1.666%		K= 11.940 G= 1.584%		K= 20.000 G= 1.355%		K= 183.000 G= 2.210%		K= 20.000 G= 1.210%		K= 11.204 G= 0.857%		K= 18.295 G= 0.256%		K= 37.327 G= 0.000%		K= 40.000 G= 0.000%					
EXISTING ROAD/GROUND LEVEL (M)	1635.795	1635.917	1635.605	1636.043	1636.301	1636.621	1636.910	1637.166	1637.451	1637.920	1638.503	1638.951	1639.290	1639.952	1640.456	1640.224	1639.750	1639.603	1639.758	1639.957	1640.006	1640.030	1640.212	1640.281	1640.494	1640.922	1641.580	1642.255	1642.663	1642.834	1643.028	1643.128
FINISHED ROAD LEVEL (M)	1635.917	1636.014	1636.258	1636.502	1636.775	1637.062	1637.349	1637.677	1638.167	1638.721	1639.160	1639.580	1640.257	1640.637	1640.487	1639.985	1639.786	1639.949	1640.178	1640.156	1640.227	1640.408	1640.495	1640.718	1641.218	1641.955	1642.649	1643.011	1643.087	1643.128		



**JEHLUM & TAWI
FLOOD RECOVERY PROJECT**

TITLE : Plan and Profile (Ch. 16+937 Km to Ch. 17+505 Km)	
DRG. NO. : EPTISA/JTFRP/DPR/J&K/PP/18	
REVISION : R-1	August 2019

OUT OF SCOPE (FROM CH.17+485 TO CH.19+877)



CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



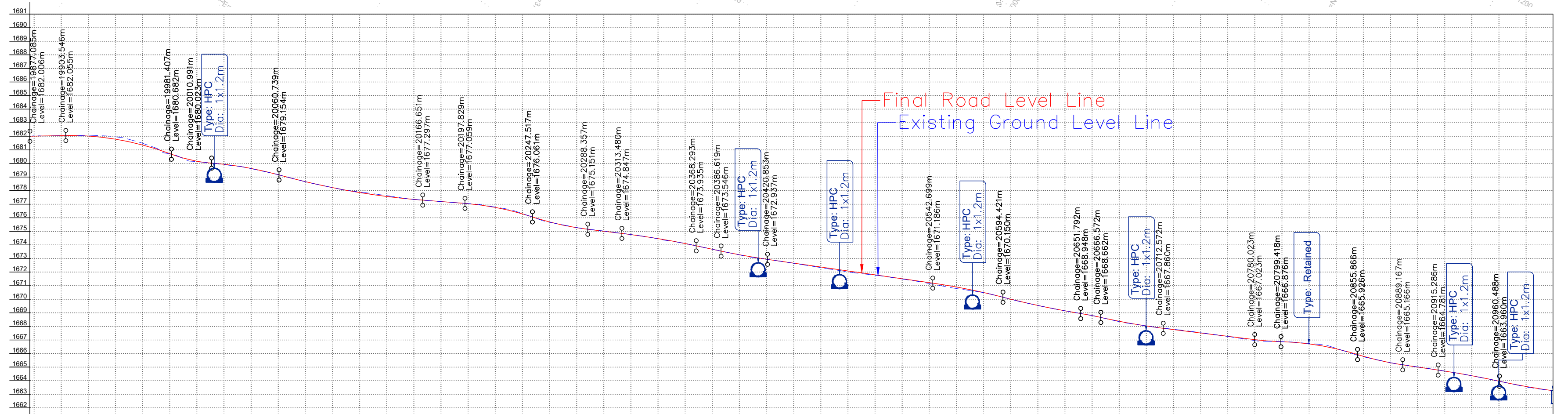
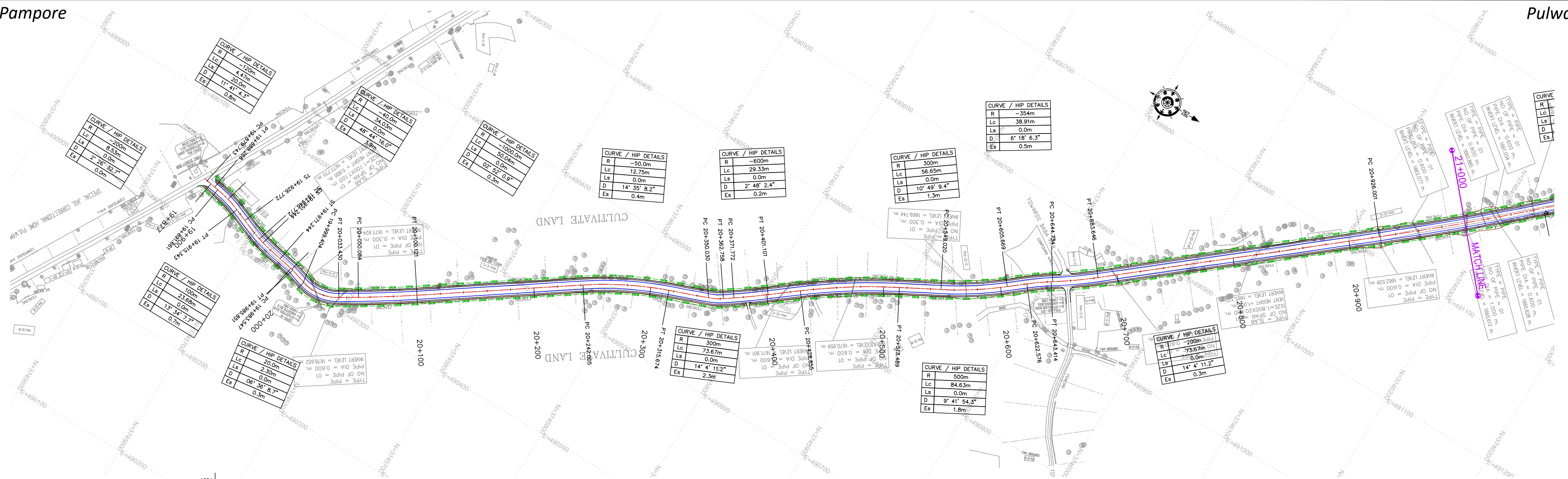
Servicios de Ingenieria S.L.

Unit 1203, 12th Floor, Tower 1, PS Srijan
Corporate Park, Plot No. 2, Block EP & GP,
Sector v, Salt Lake Kolkata - 700091,
West Bengal
Ph: 033-40347200
www.eptisa.com

REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	HOR 1:2500 VER 1:250

TITLE :	Plan and Profile
DRG. NO. :	EPTISAJTRP/DPR/J&K/PP/19
REVISION : R-1	August 2019



CHAINAGE (M)	VERTICAL ALIGNMENT	HORIZONTAL ALIGNMENT	EXISTING ROAD/GROUND LEVEL (M)	FINISHED ROAD LEVEL (M)
9877.085			1682.035	1682.035
9880.000			1682.035	1682.012
9900.000			1682.033	1682.048
9920.000			1682.082	1682.017
9940.000			1681.962	1681.790
9960.000			1681.490	1681.362
9980.000			1680.700	1680.734
10000.000			1680.135	1680.166
10020.000			1679.927	1679.939
10040.000			1679.619	1679.636
10060.000			1679.176	1679.174
10080.000			1678.656	1678.661
10100.000			1678.227	1678.222
10120.000			1677.902	1677.857
10140.000			1677.630	1677.568
10160.000			1677.352	1677.352
10180.000			1677.190	1677.195
10200.000			1677.046	1677.041
10220.000			1676.790	1676.766
10240.000			1676.313	1676.291
10260.000			1675.666	1675.694
10280.000			1675.287	1675.269
10300.000			1675.024	1675.010
10320.000			1674.765	1674.765
10340.000			1674.447	1674.468
10360.000			1674.108	1674.105
10380.000			1673.687	1673.686
10400.000			1673.269	1673.280
10420.000			1672.942	1672.949
10440.000			1672.650	1672.661
10460.000			1672.330	1672.374
10480.000			1672.015	1672.087
10500.000			1671.769	1671.799
10520.000			1671.490	1671.512
10540.000			1671.160	1671.225
10560.000			1670.792	1670.904
10580.000			1670.490	1670.498
10600.000			1670.006	1670.009
10620.000			1669.547	1669.547
10640.000			1669.155	1669.151
10660.000			1668.803	1668.801
10680.000			1668.351	1668.380
10700.000			1668.038	166



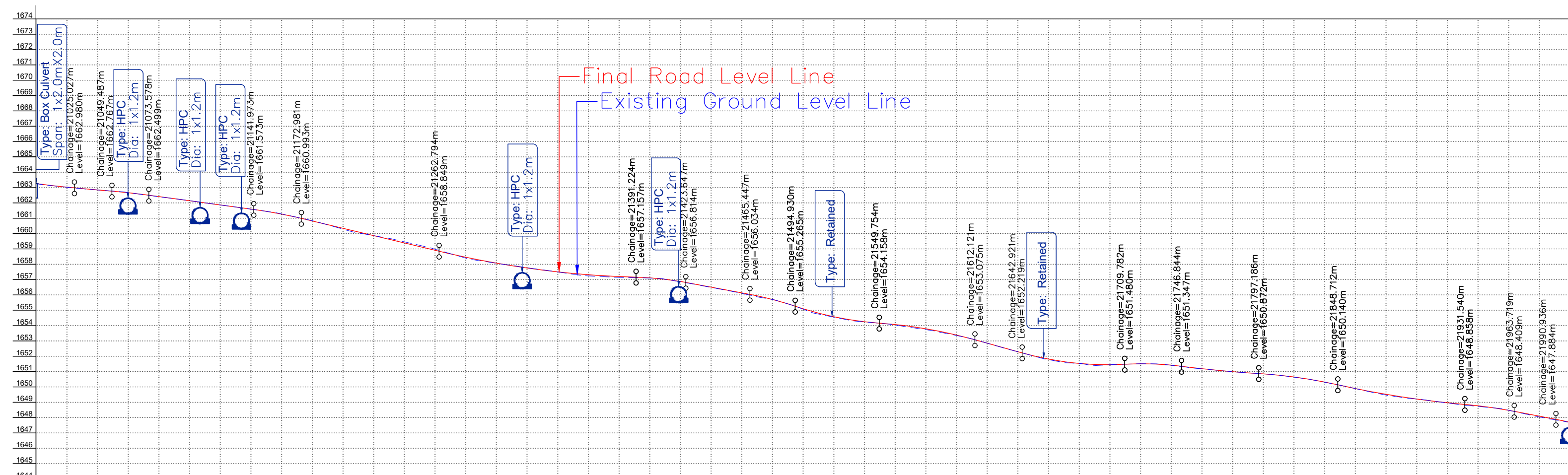
**JEHLUM & TAWI
FLOOD RECOVERY PROJECT**

ep4isa Unit 1203, 12th Floor, Tower 1, PS Srijan Corporate Park, Plot No. 2, Block EP & GP, Sector v, Salt Lake Kolkata - 700091, West Bengal
Ph: 033-40347200
www.eptisa.com

REV.	DATE	DESCRIPTION

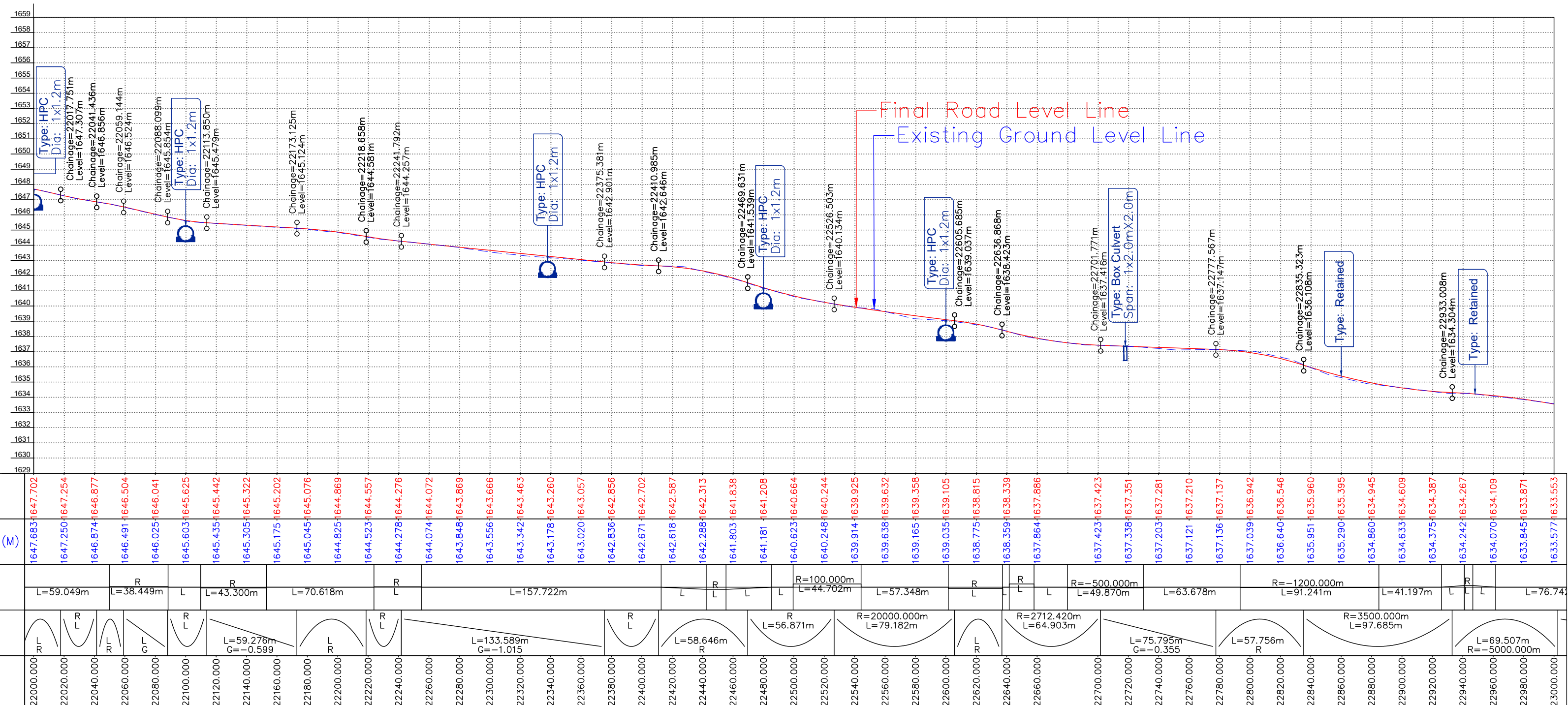
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DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	HOR 1:2500 VER 1:250

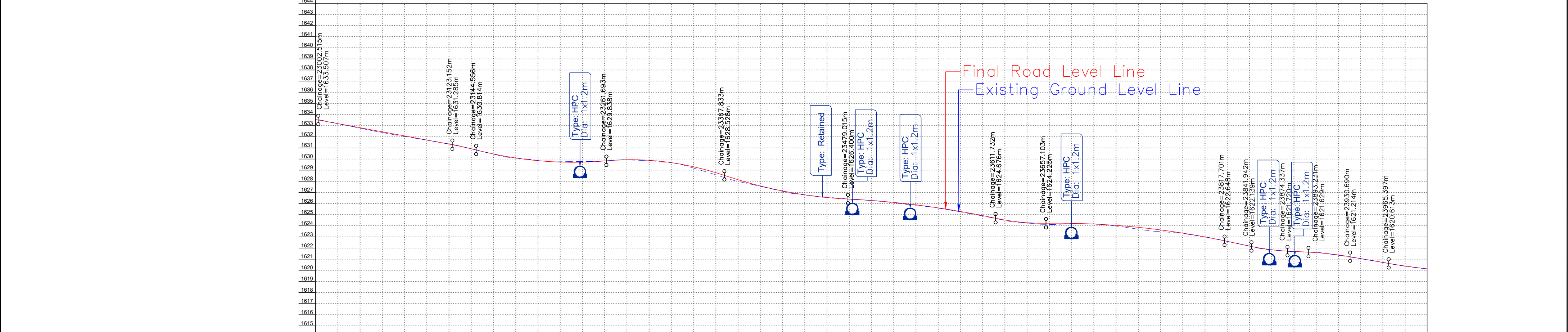
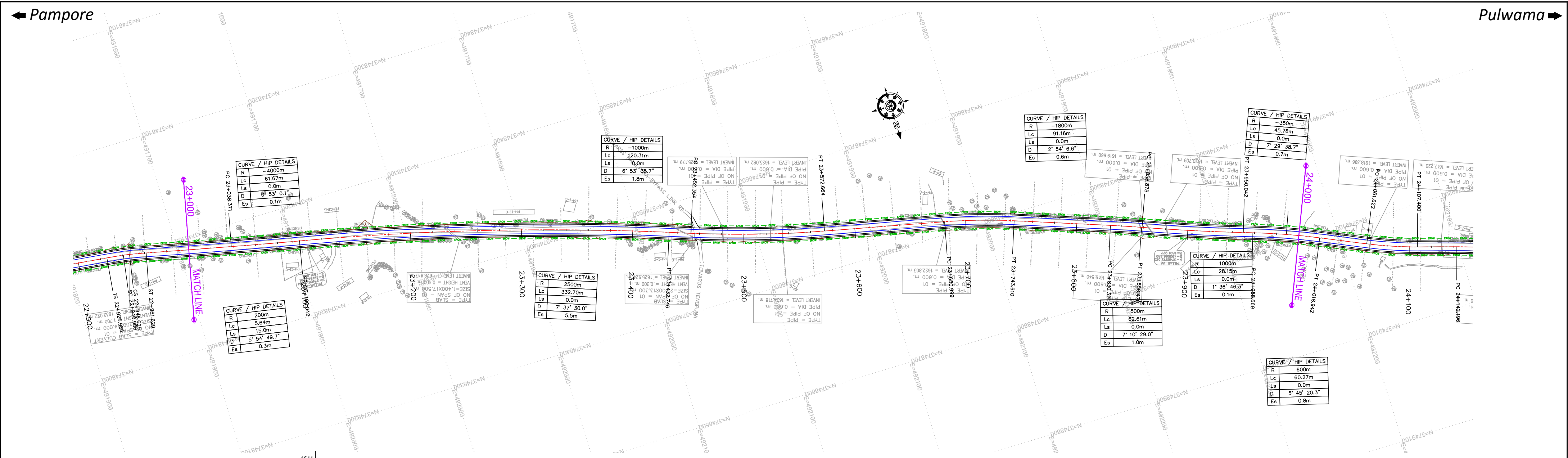
TITLE : Plan and Profile (Ch. 19+877 Km to Ch. 21+000 Km)	
DRG. NO. : EPTISA/JTFRP/DPR/JJ&K/PP/20	
REVISION : R-1	August 2019



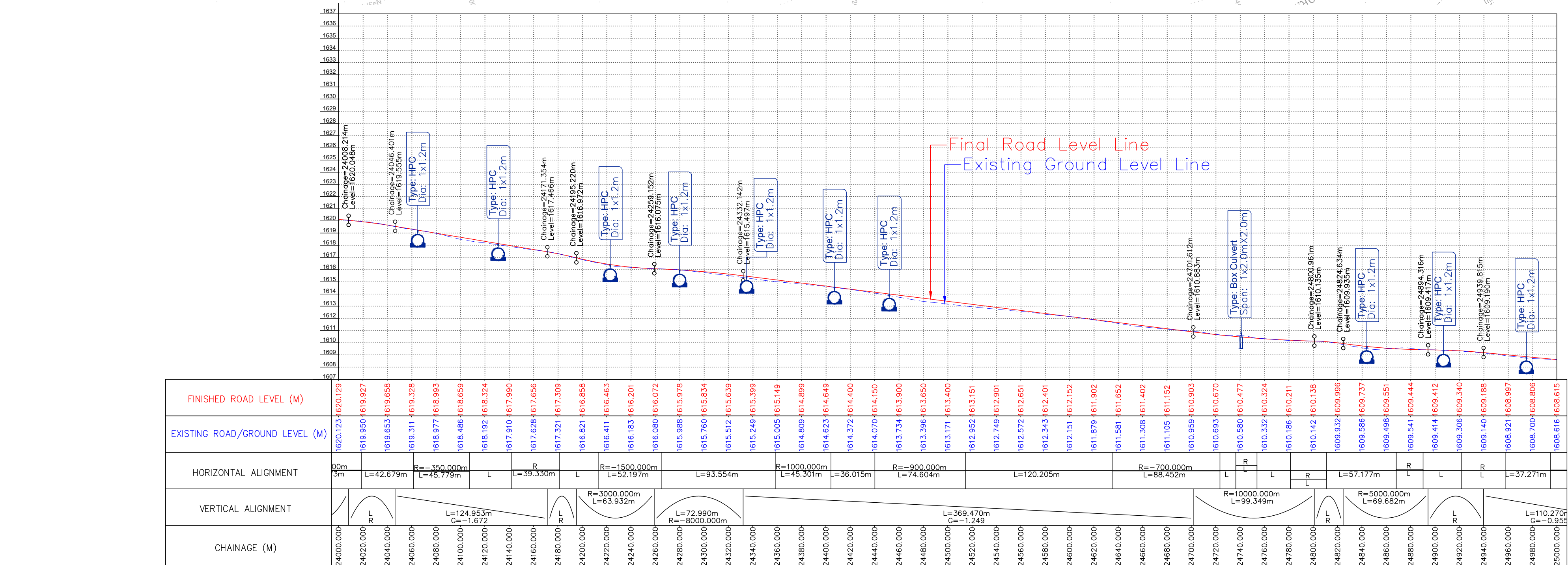
CHAINAGE (M)	VERTICAL ALIGNMENT		HORIZONTAL ALIGNMENT		EXISTING ROAD/GROUND LEVEL (M)	FINISHED ROAD LEVEL (M)
1000.000					1663.252	1663.261
1010.000					1663.022	1663.027
1020.000					1662.844	1662.850
1030.000					1662.676	1662.684
1040.000					1662.404	1662.412
1050.000					1662.147	1662.141
1060.000					1661.870	1661.870
1070.000					1661.598	1661.600
1080.000					1661.284	1661.275
1090.000					1660.845	1660.825
1100.000					1660.293	1660.348
1110.000					1659.868	1659.870
1120.000					1659.468	1659.393
1130.000					1658.985	1658.916
1140.000					1658.406	1658.463
1150.000					1658.066	1658.076
1160.000					1657.780	1657.756
1170.000					1657.499	1657.502
1180.000					1657.240	1657.316
1190.000					1657.140	1657.195
1200.000					1657.099	1657.116
1210.000					1656.859	1656.879
1220.000					1656.492	1656.509
1230.000					1656.105	1656.135
1240.000					1655.703	1655.709
1250.000					1655.073	1655.102
1260.000					1654.554	1654.579
1270.000					1654.241	1654.249
1280.000					1654.037	1654.069
1290.000					1653.738	1653.795
1300.000					1653.358	1653.387
1310.000					1652.859	1652.856
1320.000					1652.297	1652.300
1330.000					1651.781	1651.818
1340.000					1651.528	1651.533
1350.000					1651.443	1651.449
1360.000					1651.514	1651.512
1370.000					1651.411	1651.423
1380.000					1651.179	1651.189
1390.000					1650.990	1650.995
1400.000					1650.853	1650.853
1410.000					1650.637	1650.652
1420.000					1650.308	1650.323
1430.000					1649.895	1649.898
1440.000					1649.470	1649.521
1450.000					1649.210	1649.211
1460.000					1648.957	1648.968
1470.000					1648.729	1648.774
1480.000					1648.482	1648.479
1490.000					1648.039	1648.095
1500.000					1647.683	1647.702

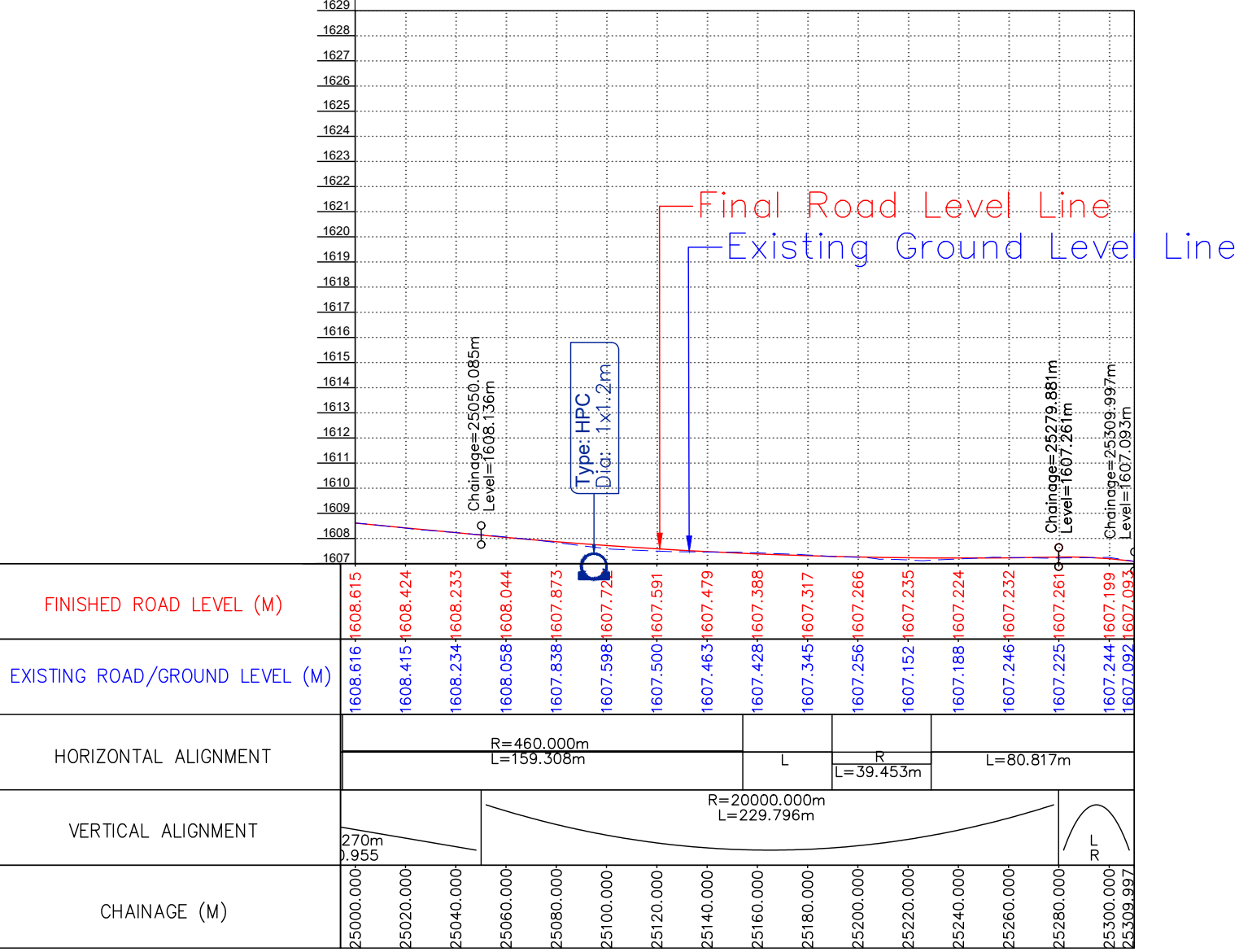
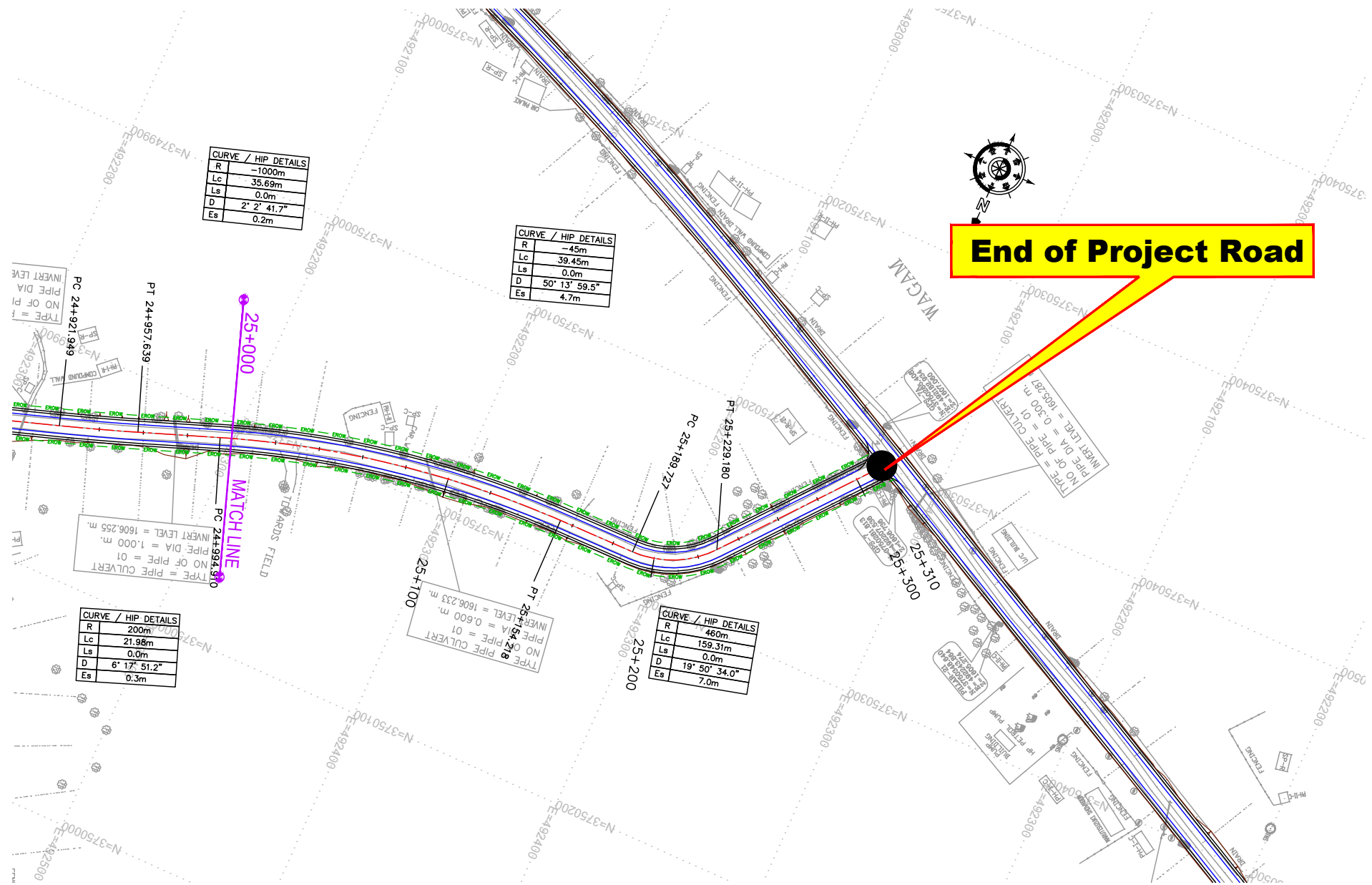


[illegible]



FINISHED ROAD LEVEL (M)	1633.577	1633.553	1633.185	1632.816	1632.448	1632.080	1631.711	1631.343	1630.974	1630.606	1630.238	1629.870	1629.502	1629.134	1628.766	1628.398	1628.030	1627.662	1627.294	1626.926	1626.558	1626.190	1625.822	1625.454	1625.086	1624.718	1624.350	1623.982	1623.614	1623.246	1622.878	1622.510	1622.142	1621.774	1621.406	1621.038	1620.670	1620.302	1619.934	1619.566	1619.198	1618.830	1618.462	1618.094	1617.726	1617.358	1616.990	1616.622	1616.254	1615.886	1615.518	1615.150	1614.782	1614.414	1614.046	1613.678	1613.310	1612.942	1612.574	1612.206	1611.838	1611.470	1611.102	1610.734	1610.366	1610.000	1609.632	1609.264	1608.896	1608.528	1608.160	1607.792	1607.424	1607.056	1606.688	1606.320	1605.952	1605.584	1605.216	1604.848	1604.480	1604.112	1603.744	1603.376	1603.008	1602.640	1602.272	1601.904	1601.536	1601.168	1600.800	1600.432	1600.064	1599.696	1599.328	1598.960	1598.592	1598.224	1597.856	1597.488	1597.120	1596.752	1596.384	1596.016	1595.648	1595.280	1594.912	1594.544	1594.176	1593.808	1593.440	1593.072	1592.704	1592.336	1591.968	1591.600	1591.232	1590.864	1590.496	1590.128	1589.760	1589.392	1589.024	1588.656	1588.288	1587.920	1587.552	1587.184	1586.816	1586.448	1586.080	1585.712	1585.344	1584.976	1584.608	1584.240	1583.872	1583.504	1583.136	1582.768	1582.400	1582.032	1581.664	1581.296	1580.928	1580.560	1580.192	1579.824	1579.456	1579.088	1578.720	1578.352	1577.984	1577.616	1577.248	1576.880	1576.512	1576.144	1575.776	1575.408	1575.040	1574.672	1574.304	1573.936	1573.568	1573.200	1572.832	1572.464	1572.096	1571.728	1571.360	1570.992	1570.624	1570.256	1569.888	1569.520	1569.152	1568.784	1568.416	1568.048	1567.680	1567.312	1566.944	1566.576	1566.208	1565.840	1565.472	1565.104	1564.736	1564.368	1564.000	1563.632	1563.264	1562.896	1562.528	1562.160	1561.792	1561.424	1561.056	1560.688	1560.320	1559.952	1559.584	1559.216	1558.848	1558.480	1558.112	1557.744	1557.376	1557.008	1556.640	1556.272	1555.904	1555.536	1555.168	1554.800	1554.432	1554.064	1553.696	1553.328	1552.960	1552.592	1552.224	1551.856	1551.488	1551.120	1550.752	1550.384	1550.016	1549.648	1549.280	1548.912	1548.544	1548.176	1547.808	1547.440	1547.072	1546.704	1546.336	1545.968	1545.600	1545.232	1544.864	1544.496	1544.128	1543.760	1543.392	1543.024	1542.656	1542.288	1541.920	1541.552	1541.184	1540.816	1540.448	1540.080	1539.712	1539.344	1538.976	1538.608	1538.240	1537.872	1537.504	1537.136	1536.768	1536.400	1536.032	1535.664	1535.296	1534.928	1534.560	1534.192	1533.824	1533.456	1533.088	1532.720	1532.352	1531.984	1531.616	1531.248	1530.880	1530.512	1530.144	1529.776	1529.408	1529.040	1528.672	1528.304	1527.936	1527.568	1527.200	1526.832	1526.464	1526.096	1525.728	1525.360	1524.992	1524.624	1524.256	1523.888	1523.520	1523.152	1522.784	1522.416	1522.048	1521.680	1521.312	1520.944	1520.576	1520.208	1519.840	1519.472	1519.104	1518.736	1518.368	1518.000	1517.632	1517.264	1516.896	1516.528	1516.160	1515.792	1515.424	1515.056	1514.688	1514.320	1513.952	1513.584	1513.216	1512.848	1512.480	1512.112	1511.744	1511.376	1511.008	1510.640	1510.272	1509.904	1509.536	1509.168	1508.800	1508.432	1508.064	1507.696	1507.328	1506.960	1506.592	1506.224	1505.856	1505.488	1505.120	1504.752	1504.384	1504.016	1503.648	1503.280	1502.912	1502.544	1502.176	1501.808	1501.440	1501.072	1500.704	1500.336	1499.968	1499.600	1499.232	1498.864	1498.496	1498.128	1497.760	1497.392	1497.024	1496.656	1496.288	1495.920	1495.552	1495.184	1494.816	1494.448	1494.080	1493.712	1493.344	1492.976	1492.608	1492.240	1491.872	1491.504	1491.136	1490.768	1490.400	1490.032	1489.664	1489.296	1488.928	1488.560	1488.192	1487.824	1487.456	1487.088	1486.720	1486.352	1485.984	1485.616	1485.248	1484.880	1484.512	1484.144	1483.776	1483.408	1483.040	1482.672	1482.304	1481.936	1481.568	1481.200	1480.832	1480.464	1480.096	1479.728	1479.360	1478.992	1478.624	1478.256	1477.888	1477.520	1477.152	1476.784	1476.416	1476.048	1475.680	1475.312	1474.944	1474.576	1474.208	1473.840	1473.472	1473.104	1472.736	1472.368	1472.000	1471.632	1471.264	1470.896	1470.528	1470.160	1469.792	1469.424	1469.056	1468.688	1468.320	1467.952	1467.584	1467.216	1466.848	1466.480	1466.112	1465.744	1465.376	1465.008	1464.640	1464.272	1463.904	1463.536	1463.168	1462.800	1462.432	1462.064	1461.696	1461.328	1460.960	1460.592	1460.224	1459.856	1459.488	1459.120	1458.752	1458.384	1458.016	1457.648	1457.280	1456.912	1456.544	1456.176	1455.808	1455.440	1455.072	1454.704	1454.336	1453.968	1453.600	1453.232	1452.864	1452.496	1452.128	1451.760	1451.392	1451.024	1450.656	1450.288	1449.920	1449.552	1449.184	1448.816	1448.448	1448.080	1447.712	1447.344	1446.976	1446.608	1446.240	1445.872	1445.504	1445.136	1444.768	1444.400	1444.032	1443.664	1443.296	1442.928	1442.560	1442.192	1441.824	1441.456	1441.088	1440.720	1440.352	1439.984	1439.616	1439.248	1438.880	1438.512	1438.144	1437.776	1437.408	1437.040	1436.672	1436.304	1435.936	1435.568	1435.200	1434.832	1434.464	1434.096	1433.728	1433.360	1432.992	1432.624	1432.256	1431.888	1431.520	1431.152	1430.784	1430.416	1430.048	1429.680	1429.312	1428.944	1428.576	1428.208	1427.840	1427.472	1427.104	1426.736	1426.368	1426.000	1425.632	1425.264	1424.896	1424.528	1424.160	1423.792	1423.424	1423.056	1422.688	1422.320	1421.952	1421.584	1421.216	1420.848	1420.480	1420.112	1419.744	1419.376	1419.008	1418.640	1418.272	1417.904	1417.536	1417.168	1416.800	1416.432	1416.064	1415.696	1415.328	1414.960	1414.592	1414.224	1413.856	1413.488	1413.120	1412.752	1412.384	1412.016	1411.648	1411.280	1410.912	1410.544	1410.176	1409.808	1409.440	1409.072	1408.704	1408.336	1407.968	1407.600	1407.232	1406.864	1406.496	1406.128	1405.760	1405.392	1405.024	1404.656	1404.288	1403.920	1403.552	1403.184	1402.816	1402.448	1402.080	1401.712	1401.344	1400.976	1400.608	1400.240	1399.872	1399.504	1399.136	1398.768	1398.400	1398.032	1397.664	1397.296	1396.928	1396.560	1396.192	1395.824	1395.456	1395.088	1394.720	1394.352	1393.984	1393.616	1393.248	1392.880	1392.512	1392.144	1391.776	1391.408	1391.040	1390.672	1390.304	1389.936	1389.568	1389.200	1388.832	1388.464	1388.096	1387.728	1387.360	1386.992	1386.624	1386.256	1385.888	1385.520	1385.152	1384.784	1384.416	1384.048	1383.680	1383.312	1382.944	1382.576	1382.208	1381.840	1381.472	1381.104	1380.736	1380.368	1380.000	1379.632	1379.264	1378.896	1378.528	1378.160	1377.792	1377.424	1377.056	1376.688	1376.320	1375.952	1375.584	1375.216	1374.848	1374.480	1374.112	1373.744	1373.376	1373.008	1372.640	1372.272	1371.904	1371.536	1371.168	1370.800	1370.432	1370.064	1369.696	1369.328	1368.960	1368.592	1368.224	1367.856	1367.488	1367.120	1366.752	1366.384	1366.016	1365.648	1365.280	1364.912	1364.544	1364.176	1363.808	1363.440	1363.072	1362.704	1362.336	1361.968	1361.600	1361.232	1360.864	1360.496	1360.128	1359.760	1359.392	1359.024	1358.656	1358.288	1357.920	1357.552	1357.184	1356.816	1356.448	1356.080	1355.712	1355.344	1354.976	1354.608	1354.240	1353.872	1353.504	1353.136	1352.768	1352.400	1352.032	1351.664	1351.296	1350.928	1350.560	1350.192	1349.824	1349.456	1349.088	1348.720	1348.352	1347.984	1347.616	1347.248	1346.880	1346.512	1346.144	1345.776	1345.408	1345.040	1344.672	1344.304	1343.936	1343.568	1343.200	1342.832	1342.464	1342.096	1341.728	1341.360	1340.992	1340.624	1340.256	1339.888	1339.520	1339.152	1338.784	1338.416	1338.048	1337.680	1337.312	1336.944	1336.576	1336.208	1335.840	1335.472	1335.104	1334.736	1334.368	1334.000	1333.632	1333.264	1332.896	1332.528	1332.160	1331.792	1331.424	1331.056	1330.688	1330.320	1329.952	1329.584	1329.216	1328.848	1328.480	1328.112	1327.744	1327.376	1327.008	1326.640	1326.272	1325.904	1325.536	1325.168	1324.800	1324.432	1324.064	1323.696	1323.328	1322.960	1322.592	1322.224	1321.856	1321.488	1321.120	1320.752	1320.384	1320.016	1319.648	1319.280	1318.912	1318.544	1318.176	1317.808	1317.440	1317.072	1316.704	1316.336	1315.968	1315.600	1315.232	1314.864	1314.496	1314.128	1313.760	1313.392	1313.024	1312.656	1312.288	1311.920	1311.552	1311.184	1310.816	1310.448	1310.080	1309.712	1309.344	1308.976	1308.608	1308.240	1307.872	1307.504	1307.136	1306.768	1306.400	1306.032	1305.664	1305.296	1304.928	1304.560	1304.192	1303.824	1303.456	1303.088	1302.720	1302.352	1301.984	1301.616	1301.248	1300.880	1300.512	1300.144	1299.776	1299.408	1299.040	1298.672	1298.304	1297.936	1297.568	1297.200	1296.832	1296.464	1296.096	1295.728	1295.360	1294.992	1294.624	1294.256	1293.888	1293.520	1293.152	1292.784	1292.416	1292.048	1291.680	1291.312	12
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CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:

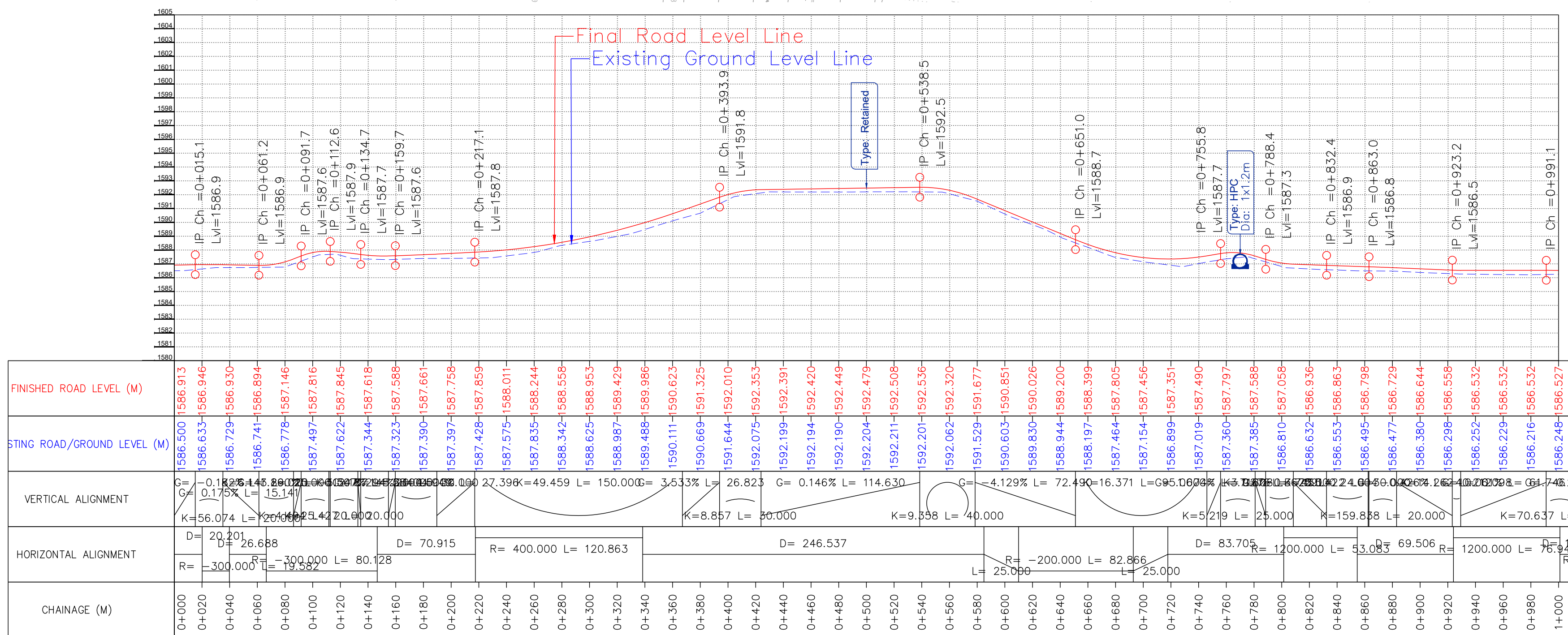
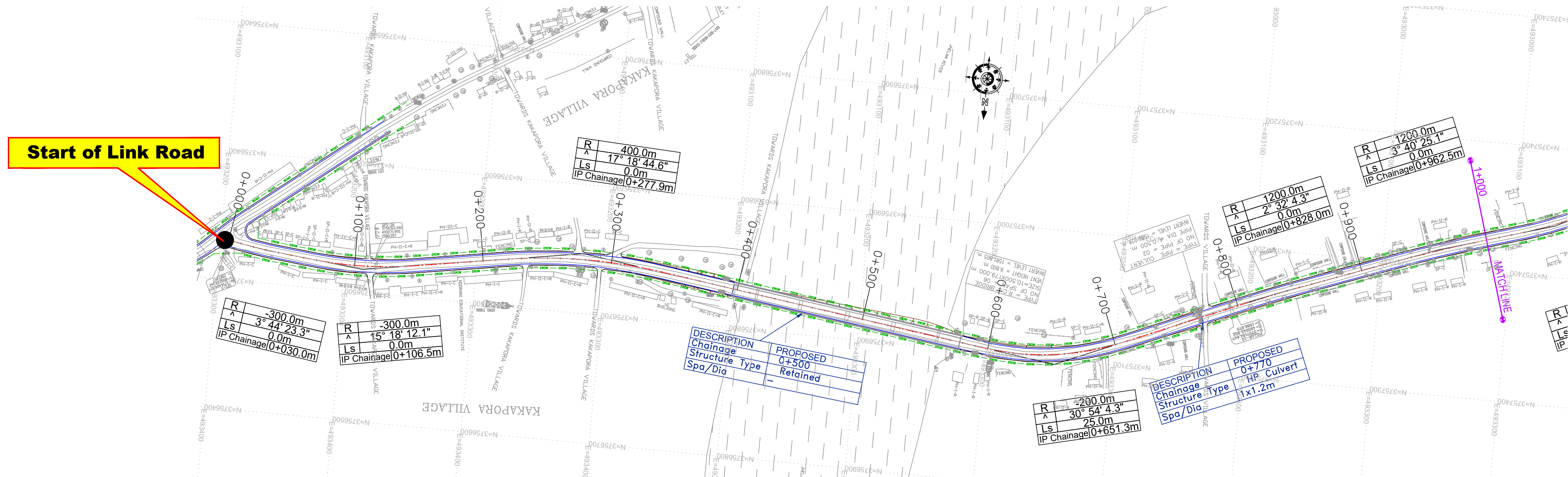
eptisa **Servicios de Ingenieria S.L.**
Unit 1203, 12th Floor, Tower 1, PS Srijan
Corporate Park, Plot No. 2, Block EP & GP,
Sector v, Salt Lake Kolkata - 700091,
West Bengal
Ph: 033-40347200
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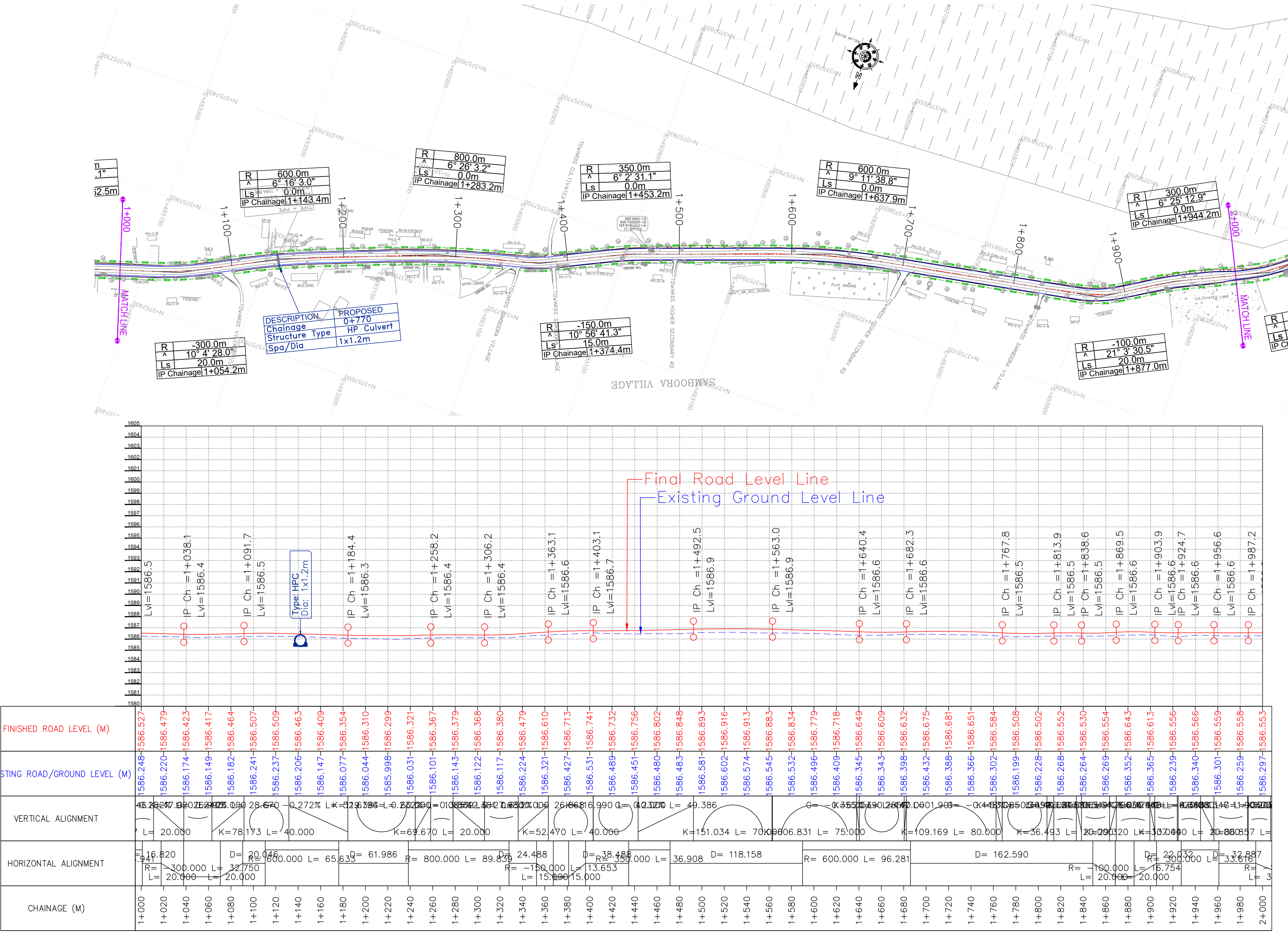
REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	HOR 1:2500 VER 1:250

TITLE :	Plan and Profile (Ch. 25+000 Km to Ch. 25+310 Km)
DRG. NO. :	EPTISAJTFRP/DPR/J&K/PP/25
REVISION : R-1	August 2019

≡ PLAN PROFILE (FOR LINK ROAD NO.1) ≡





FINISHED ROAD LEVEL (M)	1586.527	1586.479	1586.423	1586.417	1586.464	1586.507	1586.509	1586.463	1586.409	1586.354	1586.310	1586.299	1586.321	1586.367	1586.379	1586.368	1586.380	1586.479	1586.610	1586.713	1586.741	1586.732	1586.756	1586.802	1586.848	1586.893	1586.916	1586.913	1586.883	1586.834	1586.779	1586.718	1586.649	1586.609	1586.632	1586.675	1586.681	1586.651	1586.584	1586.508	1586.502	1586.552	1586.530	1586.554	1586.643	1586.613	1586.556	1586.566	1586.559	1586.558	1586.553																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
EXISTING ROAD/GROUND LEVEL (M)	1586.248	1586.220	1586.174	1586.149	1586.182	1586.241	1586.237	1586.206	1586.147	1586.077	1586.044	1585.998	1586.031	1586.101	1586.143	1586.122	1586.117	1586.224	1586.321	1586.427	1586.531	1586.649	1586.756	1586.848	1586.916	1586.913	1586.883	1586.834	1586.779	1586.718	1586.649	1586.609	1586.632	1586.675	1586.681	1586.651	1586.584	1586.508	1586.502	1586.552	1586.530	1586.554	1586.643	1586.613	1586.556	1586.566	1586.559	1586.558	1586.553																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
VERTICAL ALIGNMENT	G = -0.2827 L = 20.000																														K = 78.173 L = 40.000										G = -0.2722 L = 40.000										K = 69.670 L = 20.000										K = 52.470 L = 40.000										G = -0.2722 L = 40.000										K = 151.034 L = 70.000										K = 606.831 L = 75.000										K = 109.169 L = 80.000										K = 36.493 L = 20.000										L = 38.000										L = 20.000										L = 38.000										L = 20.000										L = 38.000										L = 20.000										L = 38.000										L = 20.000										L = 38.000										L = 20.000										L = 38.000										L = 20.000										L = 38.000										L = 20.000										L = 38.000										L = 20.000										L = 38.000										L = 20.000										L = 38.000										L = 20.000										L = 38.000										L = 20.000										L = 38.000										L = 20.000										L = 38.000										L = 20.000										L = 38.000										L = 20.000										L = 38.000										L = 20.000										L = 38.000										L = 20.000										L = 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CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

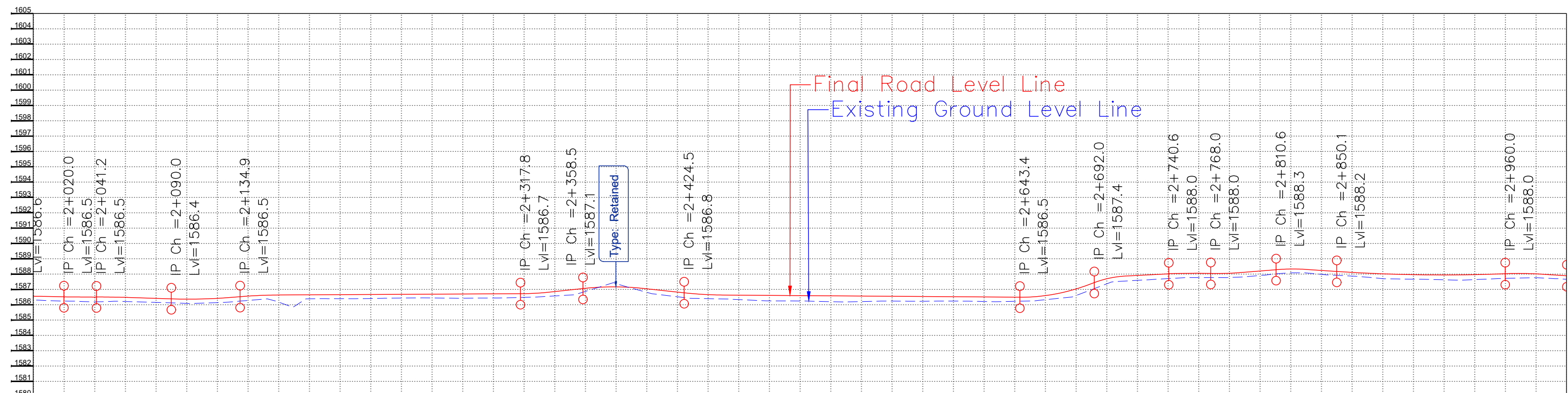
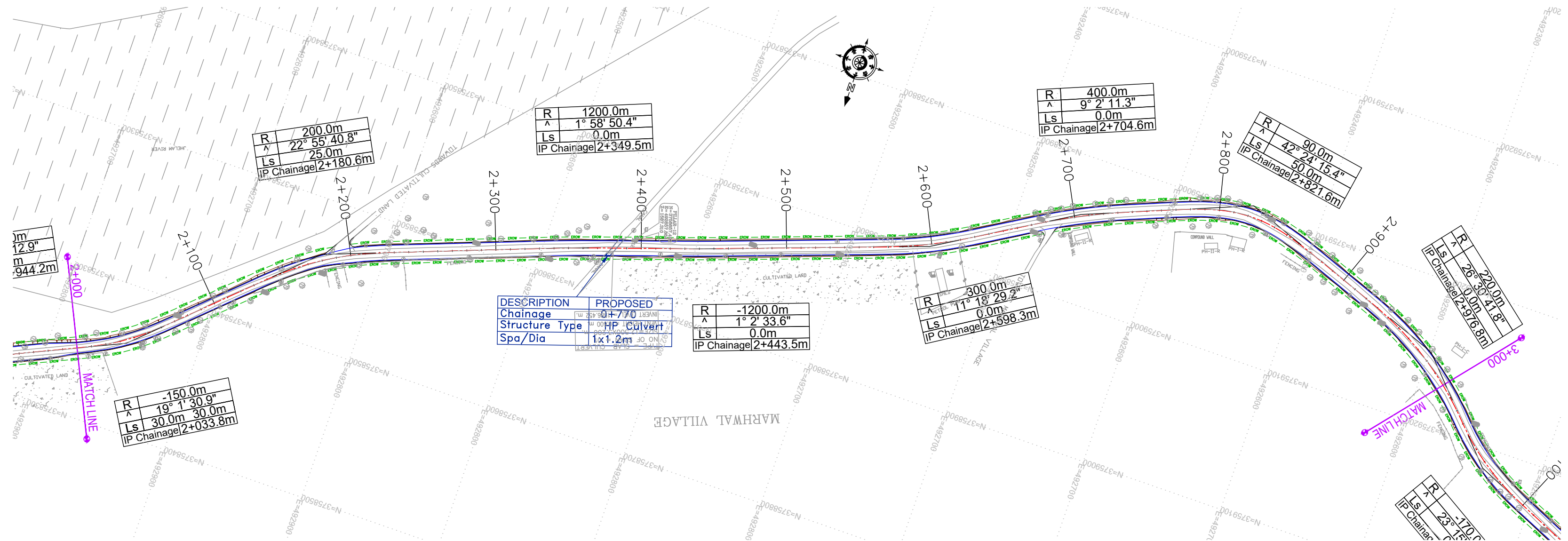
DESIGN CONSULTANT:

eptisa **Servicios de Ingenieria S.L.**
Unit 1203, 12th Floor, Tower 1, PS Srijan
Corporate Park, Plot No. 2, Block EP & GP,
Sector v, Salt Lake Kolkata - 700091,
West Bengal
Ph: 033-40347200
www.eptisa.com

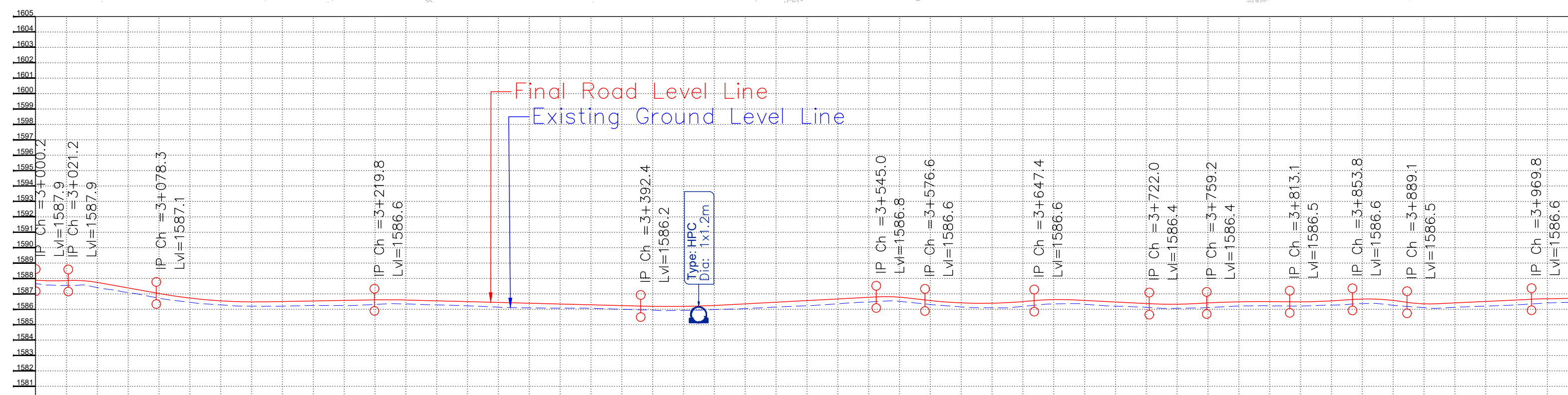
REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	HOR 1:2500 VER 1:250

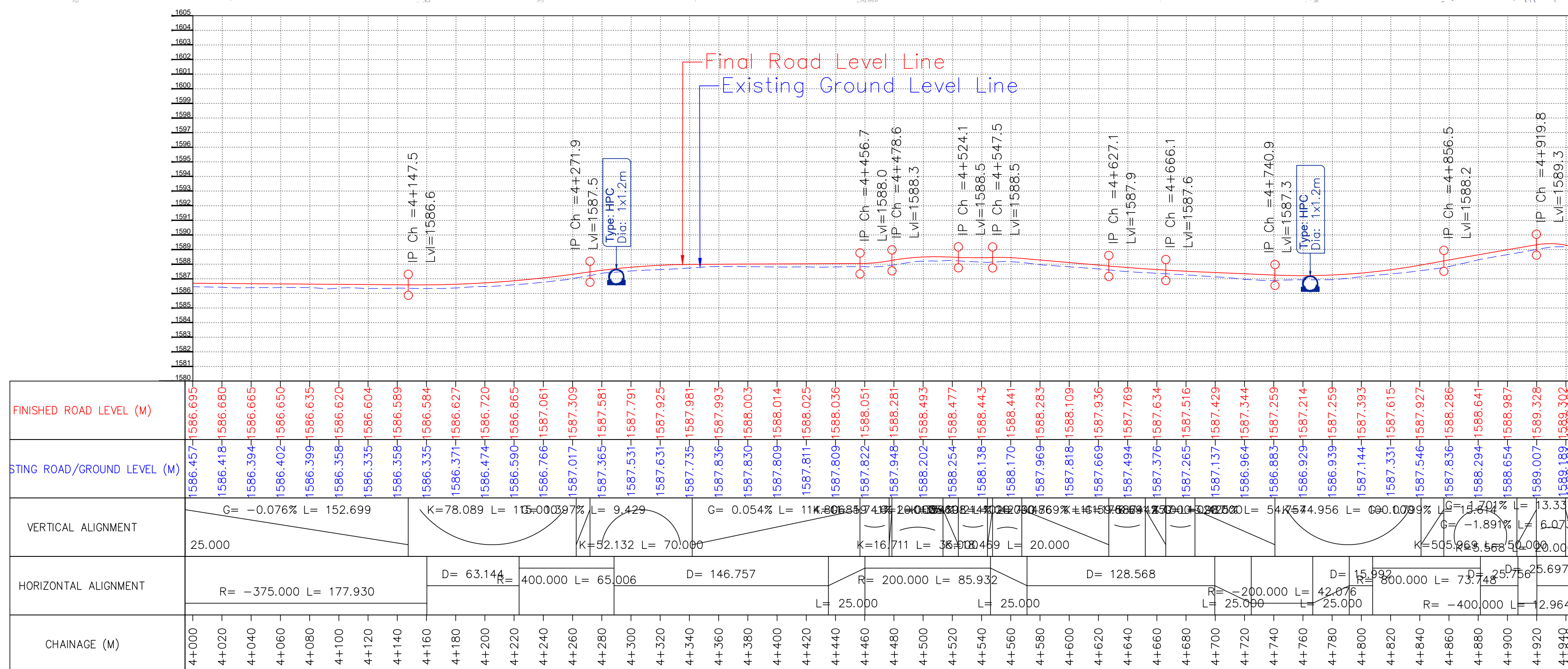
TITLE :	Plan and Profile(Link Road) (Ch.1+000 Km to Ch. 2+000 Km)
DRG. NO. :	EPTISAJTRP/DPR/J&K/PP/02
REVISION : R-1	August 2019



CHAINAGE (M)	2+000	2+020	2+040	2+060	2+080	2+100	2+120	2+140	2+160	2+180	2+200	2+220	2+240	2+260	2+280	2+300	2+320	2+340	2+360	2+380	2+400	2+420	2+440	2+460	2+480	2+500	2+520	2+540	2+560	2+580	2+600	2+620	2+640	2+660	2+680	2+700	2+720	2+740	2+760	2+780	2+800	2+820	2+840	2+860	2+880	2+900	2+920	2+940	2+960	2+980	3+000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
HORIZONTAL ALIGNMENT	150.000 L = 19.808 30.000 L = 30.000		D = 54.312 R = 200.000 L = 55.034		D = 95.634 R = 120.000 L = 41.485		D = 114.303 R = 300.000 L = 59.209		D = 45.425 R = 400.000 L = 63.086		D = 27.168 R = 90.000 L = 16.668		D = 45.967 R = 220.000 L = 101.000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											



CHAINAGE (M)	HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT	EXISTING ROAD/GROUND LEVEL (M)	FINISHED ROAD LEVEL (M)
3+000	D = 101.797 R = -170.000 L = 69.028	G = -0.259% L = 152.611	1587.659	1587.890
3+020			1587.549	1587.862
3+040	D = 120.847 R = -300.000 L = 25.549	G = -0.259% L = 152.611	1587.411	1587.746
3+060			1587.089	1587.386
3+080	D = 191.579 R = -400.000 L = 37.399	G = -0.259% L = 152.611	1586.720	1587.025
3+100			1586.455	1586.730
3+120	D = 108.979 R = -200.000 L = 18.376	G = -0.259% L = 152.611	1586.287	1586.548
3+140			1586.201	1586.479
3+160	D = 92.671 R = -150.000 L = 12.405	G = -0.259% L = 152.611	1586.200	1586.505
3+180			1586.248	1586.540
3+200	D = 85.308 R = -140.000 L = 11.653	G = -0.259% L = 152.611	1586.241	1586.576
3+220			1586.314	1586.611
3+240	D = 85.308 R = -140.000 L = 11.653	G = -0.259% L = 152.611	1586.348	1586.602
3+260			1586.282	1586.550
3+280	D = 85.308 R = -140.000 L = 11.653	G = -0.259% L = 152.611	1586.227	1586.498
3+300			1586.138	1586.446
3+320	D = 85.308 R = -140.000 L = 11.653	G = -0.259% L = 152.611	1586.095	1586.395
3+340			1586.074	1586.343
3+360	D = 85.308 R = -140.000 L = 11.653	G = -0.259% L = 152.611	1586.064	1586.291
3+380			1585.997	1586.239
3+400	D = 85.308 R = -140.000 L = 11.653	G = -0.259% L = 152.611	1585.941	1586.192
3+420			1585.928	1586.191
3+440	D = 85.308 R = -140.000 L = 11.653	G = -0.259% L = 152.611	1585.980	1586.247
3+460			1586.046	1586.350
3+480	D = 85.308 R = -140.000 L = 11.653	G = -0.259% L = 152.611	1586.145	1586.456
3+500			1586.229	1586.563
3+520	D = 85.308 R = -140.000 L = 11.653	G = -0.259% L = 152.611	1586.354	1586.669
3+540			1586.477	1586.776
3+560	D = 85.308 R = -140.000 L = 11.653	G = -0.259% L = 152.611	1586.516	1586.787
3+580			1586.312	1586.566
3+600	D = 85.308 R = -140.000 L = 11.653	G = -0.259% L = 152.611	1586.155	1586.417
3+620			1586.098	1586.394
3+640	D = 85.308 R = -140.000 L = 11.653	G = -0.259% L = 152.611	1586.189	1586.497
3+660			1586.348	1586.629
3+680	D = 85.308 R = -140.000 L = 11.653	G = -0.259% L = 152.611	1586.330	1586.573
3+700			1586.199	1586.474
3+720	D = 85.308 R = -140.000 L = 11.653	G = -0.259% L = 152.611	1586.127	1586.375
3+740			1586.063	1586.331
3+760	D = 85.308 R = -140.000 L = 11.653	G = -0.259% L = 152.611	1586.112	1586.411
3+780			1586.210	1586.485
3+800	D = 85.308 R = -140.000 L = 11.653	G = -0.259% L = 152.611	1586.224	1586.501
3+820			1586.208	1586.483
3+840	D = 85.308 R = -140.000 L = 11.653	G = -0.259% L = 152.611	1586.266	1586.547
3+860			1586.366	1586.665
3+880	D = 85.308 R = -140.000 L = 11.653	G = -0.259% L = 152.611	1586.260	1586.577
3+900			1586.108	1586.356
3+920	D = 85.308 R = -140.000 L = 11.653	G = -0.259% L = 152.611	1586.128	1586.412
3+940			1586.206	1586.507
3+960	D = 85.308 R = -140.000 L = 11.653	G = -0.259% L = 152.611	1586.285	1586.602
3+980			1586.408	1586.686
3+000			1586.457	1586.696



HORIZONTAL ALIGNMENT REPORT

Horizontal Alignment Report																								
HIP No.	Start of Transition (TS)	Start of Curve	HIP	End of Curve	End of Transition (ST)	HIP Coordinates		Radius	Design Speed (V kmph)	Transition Start Length	Transition End Length	Circular Curve Length	Shift (s)		Tangent Length (Ts)		qs (°)		Dc (°)	D (°)	Apex Distance (Es)	Hand of Curve	e%	Extra Widening
		PC / SC		CS / PT		Easting	Northing						Leading	Trailing	Leading	Trailing	Leading	Trailing						
1	0+051.774	0+066.774	0+105.269	0+140.613	0+155.613	491821.618	3763490.813	140	40	15.00	15.00	73.84	0.067	0.067	53.49	53.49	3.07	3.07	30.22	36.36	7.425	Right	5.00	0.6
2	0+159.260	0+179.260	0+196.023	0+208.838	0+228.838	491731.638	3763507.102	55	25	20.00	20.00	29.58	0.303	0.303	36.76	36.76	10.42	10.42	30.81	51.65	6.438	Left	5.00	1.2
3	0+409.682	0+429.682	0+432.341	0+431.523	0+451.523	491544.196	3763363.713	20	15	20.00	20.00	1.84	0.833	0.833	22.66	22.66	28.65	28.65	5.27	62.57	4.378	Left	5.00	1.5
4	0+496.955	0+496.955	0+532.981	0+569.000	0+569.000	491558.281	3763262.852	2000	40	0.00	0.00	72.05	0.000	0.000	36.03	36.03	0.00	0.00	2.06	2.06	0.324	Right	2.50	0
5	0+597.441	0+617.441	0+645.147	0+670.226	0+690.226	491570.831	3763152.307	115	35	20.00	20.00	52.79	0.145	0.145	47.71	47.71	4.98	4.98	26.30	36.26	6.161	Right	4.73	0.6
6	0+869.966	0+869.966	0+910.666	0+951.241	0+951.241	491446.780	3762915.643	600	40	0.00	0.00	81.28	0.000	0.000	40.70	40.70	0.00	0.00	7.76	7.76	1.379	Left	2.50	0
7	0+975.988	0+975.988	1+063.252	1+150.151	1+150.151	491393.236	3762772.626	1100	40	0.00	0.00	174.16	0.000	0.000	87.26	87.26	0.00	0.00	9.07	9.07	3.456	Right	2.50	0
8	1+314.097	1+314.097	1+357.478	1+400.261	1+400.261	491247.739	3762516.474	300	40	0.00	0.00	86.16	0.000	0.000	43.38	43.38	0.00	0.00	16.46	16.46	3.120	Left	2.50	0.6
9	1+674.245	1+674.245	1+687.903	1+701.555	1+701.555	491172.481	3762194.120	500	40	0.00	0.00	27.31	0.000	0.000	13.66	13.66	0.00	0.00	3.13	3.13	0.187	Right	2.50	0
10	1+861.498	1+861.498	1+901.782	1+941.002	1+941.002	491112.557	3761988.800	200	40	0.00	0.00	79.50	0.000	0.000	40.28	40.28	0.00	0.00	22.78	22.78	4.017	Left	3.56	0.6
11	2+009.765	2+009.765	2+070.157	2+129.520	2+129.520	491131.755	3761820.453	375	40	0.00	0.00	119.76	0.000	0.000	60.39	60.39	0.00	0.00	18.30	18.30	4.832	Right	2.50	0
12	2+332.097	2+332.097	2+382.265	2+431.514	2+431.514	491067.765	3761513.924	300	40	0.00	0.00	99.42	0.000	0.000	50.17	50.17	0.00	0.00	18.99	18.99	4.166	Left	2.50	0.6
13	2+753.928	2+753.928	2+759.056	2+764.184	2+764.184	491115.078	3761139.188	500	40	0.00	0.00	10.26	0.000	0.000	5.13	5.13	0.00	0.00	1.18	1.18	0.026	Left	2.50	0
14	3+162.538	3+162.538	3+252.615	3+342.354	3+342.354	491186.933	3760650.888	1200	40	0.00	0.00	179.82	0.000	0.000	90.08	90.08	0.00	0.00	8.59	8.59	3.376	Right	2.50	0
15	3+500.145	3+500.145	3+535.583	3+571.006	3+571.006	491185.872	3760367.584	1400	40	0.00	0.00	70.86	0.000	0.000	35.44	35.44	0.00	0.00	2.90	2.90	0.448	Right	2.50	0
16	3+669.778	3+669.778	3+705.853	3+741.879	3+741.879	491176.621	3760197.551	800	40	0.00	0.00	72.10	0.000	0.000	36.07	36.07	0.00	0.00	5.16	5.16	0.813	Left	2.50	0
17	3+943.251	3+968.251	3+978.747	3+989.013	4+014.013	491185.207	3759924.876	200	40	25.00	25.00	20.76	0.130	0.130	35.50	35.50	3.58	3.58	5.95	13.11	1.447	Right	3.56	0.6
18	4+302.099	4+332.099	4+358.826	4+383.366	4+413.366	491117.130	3759551.834	150	40	30.00	30.00	51.27	0.250	0.250	56.73	56.73	5.73	5.73	19.58	31.04	5.937	Left	4.74	0.6
19	4+474.882	4+474.882	4+480.215	4+485.548	4+485.548	491155.648	3759435.413	400	40	0.00	0.00	10.67	0.000	0.000	5.33	5.33	0.00	0.00	1.53	1.53	0.036	Right	2.50	0
20	4+570.366	4+570.366	4+579.889	4+589.412	4+589.412	491187.198	3759340.863	1000	40	0.00	0.00	19.05	0.000	0.000	9.52	9.52	0.00	0.00	1.09	1.09	0.045	Left	2.50	0
21	4+912.932	4+937.932	4+990.144	5+039.036	5+064.036	491327.198	3758956.192	230	40	25.00	25.00	101.10	0.113	0.113	77.21	77.21	3.11	3.11	25.19	31.41	9.039	Left	3.09	0.6
22	5+540.285	5+540.285	5+617.596	5+694.693	5+694.693	491814.363	3758556.940	1200	40	0.00	0.00	154.41	0.000	0.000	77.31	77.31	0.00	0.00	7.37	7.37	2.488	Left	2.50	0
23	5+729.346	5+744.346	5+773.448	5+801.489	5+816.489	491946.171	3758473.930	175	40	15.00	15.00	57.14	0.054	0.054	44.10	44.10	2.46	2.46	18.71	23.62	3.839	Right	4.06	0.6
24	6+061.303	6+061.303	6+099.056	6+136.801	6+136.801	492133.211	3758206.472	2000	40	0.00	0.00	75.50	0.000	0.000	37.75	37.75	0.00	0.00	2.16	2.16	0.356	Left	2.50	0
25	6+312.920	6+312.920	6+392.986	6+472.967	6+472.967	492309.592	3757971.335	2000	40	0.00	0.00	160.05	0.000	0.000	80.07	80.07	0.00	0.00	4.59	4.59	1.602	Right	2.50	0
26	6+583.867	6+598.867	6+614.369	6+629.735	6+644.735	492428.388	3757784.491	250	40	15.00	15.00	30.87	0.038	0.038	30.50	30.50	1.72	1.72	7.07	10.51	1.093	Left	2.84	0.6
27	6+667.975	6+667.975	6+855.495	7+039.445	7+039.445	492591.828	3757607.099	1100	40	0.00	0.00	371.47	0.000	0.000	187.52	187.52	0.00	0.00	19.35	19.35	15.869	Right	2.50	0
28	7+139.193	7+139.193	7+176.403	7+213.553	7+213.553	492720.969	3757309.425	750	40	0.00	0.00	74.36	0.000	0.000	37.21	37.21	0.00	0.00	5.68	5.68	0.923	Right	2.50	0
29	7+243.680	7+243.680	7+307.017	7+370.120	7+370.120	492760.855	3757184.987	850	40	0.00	0.00	126.44	0.000	0.000	63.34	63.34	0.00	0.00	8.52	8.52	2.356	Left	2.50	0
30	7+467.681	7+482.681	7+503.020	7+522.711	7+537.711	492846.557	3757008.708	150	40	15.00	15.00	40.03	0.063	0.063	35.34	35.34	2.86	2.86	15.29	21.02	2.623	Right	4.74	0.6
31	7+562.425	7+582.425	7+601.471	7+614.764	7+634.764	492861.288	3756913.495	50	25	20.00	20.00	32.34	0.333	0.333	39.05	39.05	11.46	11.46	37.06	59.98	8.113	Left	5.00	1.2
32	7+669.710	7+699.710	7+706.412	7+711.498	7+741.498	492955.021	3756861.421	70	30	30.00	30.00	11.79	0.536	0.536	36.70	36.70	12							

Horizontal Alignment Report																								
HIP No.	Start of Transition (TS)	Start of Curve	HIP	End of Curve	End of Transition (ST)	HIP Coordinates		Radius	Design Speed (V kmph)	Transition Start Length	Transition End Length	Circular Curve Length	Shift (s)		Tangent Length (Ts)		qs (°)		Dc (°)	D (°)	Apex Distance (Es)	Hand of Curve	e%	Extra Widening
		PC / SC		CS / PT		Easting	Northing						Leading	Trailing	Leading	Trailing	Leading	Trailing						
51	11+580.751	11+580.751	11+596.323	11+611.892	11+611.892	493146.639	3753100.786	1000	40	0.00	0.00	31.14	0.000	0.000	15.57	15.57	0.00	0.00	1.78	1.78	0.121	Right	2.50	0
52	11+778.064	11+778.064	11+784.204	11+790.344	11+790.344	493123.034	3752914.390	1000	40	0.00	0.00	12.28	0.000	0.000	6.14	6.14	0.00	0.00	0.70	0.70	0.019	Left	2.50	0
53	12+148.232	12+148.232	12+165.940	12+183.648	12+183.648	493079.728	3752535.118	2000	40	0.00	0.00	35.42	0.000	0.000	17.71	17.71	0.00	0.00	1.01	1.01	0.078	Left	2.50	0
54	12+760.608	12+785.608	12+795.584	12+805.261	12+830.261	493020.733	3751908.422	170	40	25.00	25.00	19.65	0.153	0.153	34.98	34.98	4.21	4.21	6.62	15.05	1.631	Left	4.18	0.6
55	12+835.134	12+865.134	12+873.794	12+881.433	12+911.433	493029.623	3751831.147	100	35	30.00	30.00	16.30	0.375	0.375	38.66	38.66	8.59	8.59	9.34	26.53	3.126	Right	5.00	0.9
56	13+106.404	13+106.404	13+125.937	13+144.172	13+144.172	492958.490	3751588.845	60	25	0.00	0.00	37.77	0.000	0.000	19.53	19.53	0.00	0.00	36.07	36.07	3.100	Right	4.63	1.2
57	13+323.078	13+348.078	13+368.407	13+388.115	13+413.115	492764.997	3751441.048	200	40	25.00	25.00	40.04	0.130	0.130	45.33	45.33	3.58	3.58	11.47	18.63	2.805	Left	3.56	0.6
58	13+439.886	13+439.886	13+454.807	13+469.509	13+469.509	492714.518	3751370.501	100	35	0.00	0.00	29.62	0.000	0.000	14.92	14.92	0.00	0.00	16.97	16.97	1.107	Left	5.00	0.9
59	13+646.201	13+646.201	13+689.023	13+731.636	13+731.636	492644.259	3751146.842	500	40	0.00	0.00	85.44	0.000	0.000	42.82	42.82	0.00	0.00	9.79	9.79	1.830	Right	2.50	0
60	14+743.750	14+743.750	14+908.577	15+072.660	15+072.660	492086.150	3750062.252	2000	40	0.00	0.00	328.91	0.000	0.000	164.83	164.83	0.00	0.00	9.42	9.42	6.780	Left	2.50	0
61	15+113.366	15+113.366	15+195.818	15+276.800	15+276.800	491998.081	3749788.064	500	40	0.00	0.00	163.43	0.000	0.000	82.45	82.45	0.00	0.00	18.73	18.73	6.753	Left	2.50	0
62	15+298.675	15+298.675	15+320.383	15+341.428	15+341.428	492000.108	3749662.045	100	35	0.00	0.00	42.75	0.000	0.000	21.71	21.71	0.00	0.00	24.50	24.50	2.329	Right	5.00	0.9
63	15+405.268	15+405.268	15+435.623	15+464.211	15+464.211	491953.753	3749555.814	100	35	0.00	0.00	58.94	0.000	0.000	30.36	30.36	0.00	0.00	33.77	33.77	4.506	Right	5.00	0.9
64	15+527.257	15+527.257	15+529.997	15+532.736	15+532.736	491872.807	3749503.940	200	40	0.00	0.00	5.48	0.000	0.000	2.74	2.74	0.00	0.00	1.57	1.57	0.019	Right	3.56	0.6
65	15+591.761	15+591.761	15+596.454	15+601.146	15+601.146	491815.891	3749469.628	200	40	0.00	0.00	9.39	0.000	0.000	4.69	4.69	0.00	0.00	2.69	2.69	0.055	Left	3.56	0.6
66	15+789.322	15+789.322	15+796.398	15+803.469	15+803.469	491649.686	3749358.480	200	40	0.00	0.00	14.15	0.000	0.000	7.08	7.08	0.00	0.00	4.05	4.05	0.125	Left	3.56	0.6
67	15+890.777	15+890.777	15+896.363	15+901.946	15+901.946	491570.721	3749297.173	200	40	0.00	0.00	11.17	0.000	0.000	5.59	5.59	0.00	0.00	3.20	3.20	0.078	Left	3.56	0.6
68	15+999.364	15+999.364	16+017.458	16+035.528	16+035.528	491479.361	3749217.686	400	40	0.00	0.00	36.16	0.000	0.000	18.09	18.09	0.00	0.00	5.18	5.18	0.409	Left	2.50	0
69	16+102.827	16+102.827	16+118.232	16+133.576	16+133.576	491409.601	3749144.928	200	40	0.00	0.00	30.75	0.000	0.000	15.40	15.40	0.00	0.00	8.81	8.81	0.592	Left	3.56	0.6
70	16+192.744	16+192.744	16+196.314	16+199.883	16+199.883	491364.795	3749080.906	200	40	0.00	0.00	7.14	0.000	0.000	3.57	3.57	0.00	0.00	2.05	2.05	0.032	Left	3.56	0.6
71	16+278.009	16+278.009	16+294.591	16+311.097	16+311.097	491311.354	3748998.428	200	40	0.00	0.00	33.09	0.000	0.000	16.58	16.58	0.00	0.00	9.48	9.48	0.686	Right	3.56	0.6
72	16+325.250	16+325.250	16+345.699	16+366.007	16+366.007	491276.827	3748960.643	200	40	0.00	0.00	40.76	0.000	0.000	20.45	20.45	0.00	0.00	11.68	11.68	1.043	Right	3.56	0.6
73	16+404.497	16+404.497	16+419.605	16+434.362	16+434.362	491216.848	3748917.220	80	30	0.00	0.00	29.87	0.000	0.000	15.11	15.11	0.00	0.00	21.39	21.39	1.414	Right	5.00	0.9
74	16+437.560	16+437.560	16+481.071	16+522.945	16+522.945	491157.004	3748901.726	180	40	0.00	0.00	85.38	0.000	0.000	43.51	43.51	0.00	0.00	27.18	27.18	5.184	Left	3.95	0.6
75	16+550.915	16+550.915	16+564.609	16+578.134	16+578.134	491093.402	3748845.073	100	35	0.00	0.00	27.22	0.000	0.000	13.69	13.69	0.00	0.00	15.60	15.60	0.933	Left	5.00	0.9
76	16+621.759	16+621.759	16+631.164	16+640.418	16+640.418	491057.344	3748788.930	60	25	0.00	0.00	18.66	0.000	0.000	9.41	9.41	0.00	0.00	17.82	17.82	0.733	Right	4.63	1.2
77	16+671.360	16+671.360	16+736.298	16+801.012	16+801.012	490976.068	3748722.001	900	40	0.00	0.00	129.65	0.000	0.000	64.94	64.94	0.00	0.00	8.25	8.25	2.340	Left	2.50	0
78	16+886.597	16+886.597	16+909.008	16+931.406	16+931.406	490859.736	3748594.044	750	40	0.00	0.00	44.81	0.000	0.000	22.41	22.41	0.00	0.00	3.42	3.42	0.335	Left	2.50	0
79	16+959.299	16+959.299	16+990.271	17+021.223	17+021.223	490812.260	3748535.105	1000	40	0.00	0.00	61.92	0.000	0.000	30.97	30.97	0.00	0.00	3.55	3.55	0.480	Left	2.50	0
80	17+028.188	17+028.188	17+037.875	17+047.558	17+047.558	490784.737	3748496.240	400	40	0.00	0.00	19.37	0.000	0.000	9.69	9.69	0.00	0.00	2.77	2.77	0.117	Right	2.50	0
81	17+077.262	17+097.262	17+123.586	17+147.728	17+167.728	490734.491	3748427.752	120	35	20.00	20.00	50.47	0.139	0.139	46.32	46.32	4.77	4.77	24.10	33.65	5.510	Left	4.54	0.6
82	17+193.409	17+208.409	17+230.144	17+																				

Horizontal Alignment Report																								
HIP No.	Start of Transition (TS)	Start of Curve	HIP	End of Curve	End of Transition (ST)	HIP Coordinates		Radius	Design Speed (V kmph)	Transition Start Length	Transition End Length	Circular Curve Length	Shift (s)		Tangent Length (Ts)		qs (°)		Dc (°)	D (°)	Apex Distance (Es)	Hand of Curve	e%	Extra Widening
		PC / SC		CS / PT		Easting	Northing						Leading	Trailing	Leading	Trailing	Leading	Trailing						
101	21+439.679	21+469.679	21+475.389	21+480.590	21+510.590	491414.806	3746698.656	120	35	30.00	30.00	10.91	0.313	0.313	35.71	35.71	7.16	7.16	5.21	19.53	2.082	Right	4.54	0.6
102	21+566.360	21+566.360	21+582.367	21+598.368	21+598.368	491502.394	3746760.402	698.343	40	0.00	0.00	32.01	0.000	0.000	16.01	16.01	0.00	0.00	2.63	2.63	0.183	Right	2.50	0
103	21+598.368	21+598.368	21+620.385	21+642.324	21+642.324	491534.806	3746780.284	300	40	0.00	0.00	43.96	0.000	0.000	22.02	22.02	0.00	0.00	8.39	8.39	0.807	Left	2.50	0.6
104	21+671.267	21+671.267	21+689.308	21+706.676	21+706.676	491587.726	3746824.563	75	30	0.00	0.00	35.41	0.000	0.000	18.04	18.04	0.00	0.00	27.05	27.05	2.139	Left	5.00	0.9
105	21+706.676	21+706.676	21+849.768	21+990.931	21+990.931	491650.762	3746972.854	1000	40	0.00	0.00	284.26	0.000	0.000	143.09	143.09	0.00	0.00	16.29	16.29	10.186	Left	2.50	0
106	22+049.981	22+049.981	22+069.214	22+088.429	22+088.429	491676.756	3747192.699	500	40	0.00	0.00	38.45	0.000	0.000	19.23	19.23	0.00	0.00	4.41	4.41	0.370	Right	2.50	0
107	22+109.890	22+109.890	22+131.561	22+153.189	22+153.189	491688.814	3747253.887	400	40	0.00	0.00	43.30	0.000	0.000	21.67	21.67	0.00	0.00	6.20	6.20	0.587	Left	2.50	0
108	22+223.807	22+223.807	22+239.410	22+255.011	22+255.011	491698.118	3747361.377	1000	40	0.00	0.00	31.20	0.000	0.000	15.60	15.60	0.00	0.00	1.79	1.79	0.122	Right	2.50	0
109	22+412.733	22+442.733	22+449.241	22+455.388	22+485.388	491721.077	3747569.717	150	40	30.00	30.00	12.65	0.250	0.250	36.51	36.51	5.73	5.73	4.83	16.29	1.782	Left	4.74	0.6
110	22+499.554	22+499.554	22+522.285	22+544.256	22+544.256	491710.536	3747642.139	100	35	0.00	0.00	44.70	0.000	0.000	22.73	22.73	0.00	0.00	25.61	25.61	2.551	Right	5.00	0.9
111	22+601.604	22+601.604	22+619.478	22+637.292	22+637.292	491737.624	3747736.272	250	40	0.00	0.00	35.69	0.000	0.000	17.87	17.87	0.00	0.00	8.18	8.18	0.638	Left	2.84	0.6
112	22+641.690	22+641.690	22+649.861	22+657.995	22+657.995	491741.795	3747766.428	100	35	0.00	0.00	16.31	0.000	0.000	8.17	8.17	0.00	0.00	9.34	9.34	0.333	Right	5.00	0.9
113	22+680.000	22+680.000	22+704.955	22+729.869	22+729.869	491758.114	3747819.088	500	40	0.00	0.00	49.87	0.000	0.000	24.96	24.96	0.00	0.00	5.71	5.71	0.622	Left	2.50	0
114	22+793.548	22+793.548	22+839.190	22+884.789	22+884.789	491784.890	3747950.667	1200	40	0.00	0.00	91.24	0.000	0.000	45.64	45.64	0.00	0.00	4.36	4.36	0.868	Left	2.50	0
115	22+925.986	22+940.986	22+943.819	22+946.629	22+961.629	491798.201	3748054.475	200	40	15.00	15.00	5.64	0.047	0.047	17.83	17.83	2.15	2.15	1.62	5.91	0.314	Right	3.56	0.6
116	23+038.371	23+038.371	23+069.207	23+100.042	23+100.042	491826.251	3748176.694	4000	40	0.00	0.00	61.67	0.000	0.000	30.84	30.84	0.00	0.00	0.88	0.88	0.119	Left	2.50	0
117	23+100.042	23+100.042	23+266.640	23+432.746	23+432.746	491867.895	3748369.686	2500	40	0.00	0.00	332.70	0.000	0.000	166.60	166.60	0.00	0.00	7.63	7.63	5.545	Right	2.50	0
118	23+452.354	23+452.354	23+512.582	23+572.664	23+572.664	491951.378	3748601.548	1000	40	0.00	0.00	120.31	0.000	0.000	60.23	60.23	0.00	0.00	6.89	6.89	1.812	Left	2.50	0
119	23+680.999	23+680.999	23+712.345	23+743.610	23+743.610	491996.036	3748796.405	500	40	0.00	0.00	62.61	0.000	0.000	31.35	31.35	0.00	0.00	7.17	7.17	0.982	Right	2.50	0
120	23+830.320	23+830.320	23+844.395	23+858.469	23+858.469	492041.407	3748920.503	1000	40	0.00	0.00	28.15	0.000	0.000	14.08	14.08	0.00	0.00	1.61	1.61	0.099	Right	2.50	0
121	23+858.879	23+858.879	23+904.470	23+950.042	23+950.042	492063.617	3748976.324	1800	40	0.00	0.00	91.16	0.000	0.000	45.59	45.59	0.00	0.00	2.90	2.90	0.577	Left	2.50	0
122	23+958.669	23+958.669	23+988.831	24+018.942	24+018.942	492090.801	3749056.205	600	40	0.00	0.00	60.27	0.000	0.000	30.16	30.16	0.00	0.00	5.76	5.76	0.758	Right	2.50	0
123	24+061.622	24+061.622	24+084.544	24+107.400	24+107.400	492130.589	3749143.312	350	40	0.00	0.00	45.78	0.000	0.000	22.92	22.92	0.00	0.00	7.49	7.49	0.750	Left	2.50	0
124	24+142.196	24+142.196	24+161.882	24+181.526	24+181.526	492153.292	3749217.311	350	40	0.00	0.00	39.33	0.000	0.000	19.69	19.69	0.00	0.00	6.44	6.44	0.553	Right	2.50	0
125	24+213.170	24+213.170	24+239.271	24+265.367	24+265.367	492184.160	3749288.323	1500	40	0.00	0.00	52.20	0.000	0.000	26.10	26.10	0.00	0.00	1.99	1.99	0.227	Left	2.50	0
126	24+358.922	24+358.922	24+381.576	24+404.222	24+404.222	492236.317	3749420.731	1000	40	0.00	0.00	45.30	0.000	0.000	22.65	22.65	0.00	0.00	2.60	2.60	0.257	Right	2.50	0
127	24+440.238	24+440.238	24+477.561	24+514.842	24+514.842	492275.508	3749508.359	900	40	0.00	0.00	74.60	0.000	0.000	37.32	37.32	0.00	0.00	4.75	4.75	0.774	Left	2.50	0
128	24+635.048	24+635.048	24+679.333	24+723.500	24+723.500	492342.364	3749698.778	700	40	0.00	0.00	88.45	0.000	0.000	44.28	44.28	0.00	0.00	7.24	7.24	1.399	Left	2.50	0
129	24+736.528	24+736.528	24+745.316	24+753.927	24+753.927	492356.228	3749763.409	50	25	0.00	0.00	17.40	0.000	0.000	8.79	8.79	0.00	0.00	19.94	19.94	0.766	Right	5.00	1.2
130	24+781.413	24+781.413	24+797.578	24+811.067	24+811.067	492384.052	3749807.859	30	20	0.00	0.00	29.65	0.000	0.000	16.17	16.17	0.00	0.00	56.63	56.63	4.078	Left	5.00	1.5
131	24+868.244	24+868.244	24+879.247	24+890.227	24+890.227	492348.955	3749884.554	200	40	0.00	0.00	21.98	0.000	0.000	11.00	11.00	0.00	0.00	6.30	6.30	0.302	Right	3.56	0.6
132	24+921.949	24+921.949	24+939.796	24+957.639	24+957.639	492329.945	3749942.065	1000	40	0.00	0.00	35.69	0.000	0.000	17.85	17.85	0.00	0.00	2.04	2.04	0.159	Left	2.50	0
133	24+994.910	24+994.910	25+075.370	25+154.218	25+154.218	492282.827	3750069.192	460	40	0.00	0.00	159.31	0.000	0.000	80.46	80.46	0.00	0.00	19.84	19.84	6.984	Right	2.50	0
134	25+189.727	25+189.727	25+210.822	25+229.180	25+229.180	492281.646	3750206.251	45	25	0.00	0.00	39.45	0.000	0.000	21.10	21.10	0.00	0.00	50.23	50.23	4.699	Left	5.00	1.2

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



Eptisa Servicios de Ingenieria S.L.
Unit 1203, 12th Floor, Tower 1, PS Srijan
Corporate Park, Plot No. 2, Block EP & GP,
Sector v, Salt Lake Kolkata - 700091,
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Ph: 033-40347200
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REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE : N.T.S

TITLE :

Horizontal Alignment Report

DRG. NO. : EPTISA/JTRFP/DPR/J&K/HAR/03

REVISION : R-1

August 2019

≡ HORIZONTAL ALIGNMENT REPORT (FOR LINK ROAD NO.1) ≡

Horizontal Alignment Report																								
HIP No.	Start of Transition (TS)	Start of Curve	HIP	End of Curve	End of Transition (ST)	HIP Coordinates		Radius	Design Speed (V kmph)	Transition Start Length	Transition End Length	Circular Curve Length	Shift (s)		Tangent Length (Ts)		qs (°)		Dc (°)	D (°)	Apex Distance (Es)	Hand of Curve	e%	Extra Widening
		PC / SC		CS / PT		Easting	Northing						Leading	Trailing	Leading	Trailing	Leading	Trailing						
1	0+020.201	0+020.201	0+029.995	0+039.783	0+039.783	493274.310	3756436.030	300	40	0.00	0.00	19.58	0.000	0.000	9.79	9.79	0.00	0.00	3.74	3.74	0.160	Left	2.50	0.6
2	0+066.470	0+066.470	0+106.774	0+146.599	0+146.599	493282.022	3756512.427	300	40	0.00	0.00	80.13	0.000	0.000	40.30	40.30	0.00	0.00	15.30	15.30	2.695	Left	2.50	0.6
3	0+217.513	0+217.513	0+278.409	0+338.376	0+338.376	493253.500	3756682.162	400	40	0.00	0.00	120.86	0.000	0.000	60.90	60.90	0.00	0.00	17.31	17.31	4.609	Right	2.50	0
4	0+584.913	0+609.913	0+652.728	0+692.779	0+717.779	493301.020	3757053.523	200	40	25.00	25.00	82.87	0.130	0.130	67.82	67.82	3.58	3.58	23.74	30.90	7.634	Left	3.56	0.6
5	0+801.484	0+801.484	0+828.030	0+854.567	0+854.567	493234.315	3757217.713	1200	40	0.00	0.00	53.08	0.000	0.000	26.55	26.55	0.00	0.00	2.53	2.53	0.294	Right	2.50	0
6	0+924.073	0+924.073	0+962.556	1+001.013	1+001.013	493186.994	3757343.652	1200	40	0.00	0.00	76.94	0.000	0.000	38.48	38.48	0.00	0.00	3.67	3.67	0.617	Right	2.50	0
7	1+017.833	1+037.833	1+054.281	1+070.583	1+090.583	493159.577	3757431.143	300	40	20.00	20.00	32.75	0.056	0.056	36.45	36.45	1.91	1.91	6.25	10.07	1.219	Left	2.50	0.6
8	1+110.629	1+110.629	1+143.478	1+176.262	1+176.262	493119.740	3757511.040	600	40	0.00	0.00	65.63	0.000	0.000	32.85	32.85	0.00	0.00	6.27	6.27	0.899	Right	2.50	0
9	1+238.247	1+238.247	1+283.214	1+328.086	1+328.086	493070.263	3757641.794	800	40	0.00	0.00	89.84	0.000	0.000	44.97	44.97	0.00	0.00	6.43	6.43	1.263	Right	2.50	0
10	1+352.574	1+367.574	1+374.450	1+381.227	1+396.227	493047.158	3757730.097	150	40	15.00	15.00	13.65	0.063	0.063	21.88	21.88	2.86	2.86	5.22	10.94	0.750	Left	4.74	0.6
11	1+434.716	1+434.716	1+453.187	1+471.624	1+471.624	493014.104	3757801.608	350	40	0.00	0.00	36.91	0.000	0.000	18.47	18.47	0.00	0.00	6.04	6.04	0.487	Right	2.50	0
12	1+589.782	1+589.782	1+638.026	1+686.063	1+686.063	492953.321	3757976.204	600	40	0.00	0.00	96.28	0.000	0.000	48.24	48.24	0.00	0.00	9.19	9.19	1.936	Right	2.50	0
13	1+848.653	1+868.653	1+877.271	1+885.407	1+905.407	492910.304	3758211.477	100	35	20.00	20.00	16.75	0.167	0.167	28.62	28.62	5.73	5.73	9.60	21.06	1.882	Left	5.00	0.9
14	1+927.439	1+927.439	1+944.265	1+961.055	1+961.055	492876.926	3758269.812	300	40	0.00	0.00	33.62	0.000	0.000	16.83	16.83	0.00	0.00	6.42	6.42	0.471	Right	2.50	0.6
15	1+993.942	2+023.942	2+034.119	2+043.750	2+073.750	492837.784	3758350.381	150	40	30.00	30.00	19.81	0.250	0.250	40.18	40.18	5.73	5.73	7.57	19.03	2.345	Left	4.74	0.6
16	2+128.062	2+153.062	2+181.148	2+208.096	2+233.096	492739.510	3758459.488	200	40	25.00	25.00	55.03	0.130	0.130	53.09	53.09	3.58	3.58	15.77	22.93	4.204	Right	3.56	0.6
17	2+328.730	2+328.730	2+349.474	2+370.213	2+370.213	492677.565	3758616.748	1200	40	0.00	0.00	41.48	0.000	0.000	20.74	20.74	0.00	0.00	1.98	1.98	0.179	Right	2.50	0
18	2+432.603	2+432.603	2+443.522	2+454.440	2+454.440	492647.324	3758705.806	1200	40	0.00	0.00	21.84	0.000	0.000	10.92	10.92	0.00	0.00	1.04	1.04	0.050	Left	2.50	0
19	2+568.743	2+568.743	2+598.444	2+627.952	2+627.952	492594.850	3758851.571	300	40	0.00	0.00	59.21	0.000	0.000	29.70	29.70	0.00	0.00	11.31	11.31	1.467	Left	2.50	0.6
20	2+673.078	2+673.078	2+704.687	2+736.164	2+736.164	492539.863	3758942.702	400	40	0.00	0.00	63.09	0.000	0.000	31.61	31.61	0.00	0.00	9.04	9.04	1.247	Right	2.50	0
21	2+763.332	2+813.332	2+823.694	2+829.941	2+879.941	492502.509	3759053.162	90	30	50.00	50.00	16.61	1.157	1.157	60.36	60.36	15.92	15.92	10.57	42.40	7.776	Right	4.44	0.9
22	2+925.908	2+925.908	2+977.735	3+027.705	3+027.705	492550.058	3759201.288	220	40	0.00	0.00	101.80	0.000	0.000	51.83	51.83	0.00	0.00	26.51	26.51	6.022	Right	3.23	0.6
23	3+028.203	3+028.203	3+063.199	3+097.231	3+097.231	492613.759	3759261.012	170	40	0.00	0.00	69.03	0.000	0.000	35.00	35.00	0.00	0.00	23.26	23.26	3.565	Left	4.18	0.6
24	3+218.078	3+218.078	3+230.860	3+243.627	3+243.627	492681.217	3759415.557	300	40	0.00	0.00	25.55	0.000	0.000	12.78	12.78	0.00	0.00	4.88	4.88	0.272	Left	2.50	0.6
25	3+435.206	3+435.206	3+448.097	3+460.768	3+460.768	492750.876	3759621.339	80	30	0.00	0.00	25.56	0.000	0.000	12.89	12.89	0.00	0.00	18.31	18.31	1.032	Left	5.00	0.9
26	3+512.040	3+512.040	3+530.844	3+549.599	3+549.599	492751.446	3759704.303	300	40	0.00	0.00	37.56	0.000	0.000	18.80	18.80	0.00	0.00	7.17	7.17	0.589	Right	2.50	0.6
27	3+573.942	3+573.942	3+589.007	3+604.057	3+604.057	492759.112	3759762.009	400	40	0.00	0.00	30.11	0.000	0.000	15.06	15.06	0.00	0.00	4.31	4.31	0.284	Left	2.50	0
28	3+661.347	3+661.347	3+670.538	3+679.723	3+679.723	492763.739	3759843.422	300	40	0.00	0.00	18.38	0.000	0.000	9.19	9.19	0.00	0.00	3.51	3.51	0.141	Left	2.50	0.6
29	3+788.701	3+788.701	3+790.319	3+791.937	3+791.937	492763.203	3759963.208	200	40	0.00	0.00	3.24	0.000	0.000	1.62	1.62	0.00	0.00	0.93	0.93	0.007	Left	3.56	0.6
30	3+804.342	3+804.342	3+847.655	3+889.650	3+889.650	492762.019	3760020.532	200	40	0.00	0.00	85.31	0.000	0.000	43.31	43.31	0.00	0.00	24.44	24.44	4.636	Right	3.56	0.6
31	3+982.322	3+982.322	4+072.995	4+160.252	4+160.252	492851.512	3760228.773	375	40	0.00	0.00	177.93	0.000	0.000	90.67	90.67	0.00	0.00	27.19	27.19	10.806	Left	2.50	0
32	4+223.396	4+223.396	4+255.971	4+288.402	4+288.402	492838.737	3760414.726	400	40	0.00	0.00	65.01	0.000	0.000	32.57	32.57	0.00	0.00	9.31	9.31	1.324	Right	2.50	0
33	4+435.159	4+460.159	4+504.629	4+546.091	4+571.091	492865.216	3760661.205	200	40	25.00	25.00	85.93	0.130	0.130	69.47	69.47	3.58	3.58	24.62	31.78	8.081	Right	3.56	0.6
34	4+699.659	4+724.659	4+746.037	4+766.735	4+791.735	493008.057	3760858.075	200	40	25.00	25.00	42.08	0.130	0.130	46.38	46.38	3.58	3.58	12.05	19.22	2.977	Left	3.56	0.6
35	4+807.727	4+807.727	4+844.627	4+881.475	4+881.475	493040.296	3760951.651	800	40	0.00	0.00	73.75	0.000	0.000	36.90	36.90	0.00	0.00	5.28	5.28	0.851	Right	2.50	0
36	4+907.231	4+907.231	4+913.714	4+920.196	4+920.196	493067.563	3761015.187	400	40	0.00	0.00	12.97	0.000	0.000	6.48	6.48	0.00	0.00	1.86	1.86	0.053	Left	2.50	0

CLIENT :



Jhelum & Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



Eptisa Servicios de Ingenieria S.L.
Unit 1203, 12th Floor, Tower 1, PS Srijan
Corporate Park, Plot No. 2, Block EP & GP,
Sector v, Salt Lake Kolkata - 700091,
West Bengal
Ph: 033-40347200
www.eptisa.com

REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE : N.T.S

TITLE :
Horizontal Alignment Report
(For Link Road No.1)

DRG. NO. :EPTISA/JTRFP/DPR/J&K/HAR/Link Road/01

REVISION : R-1

August 2019

≡ VERTICAL ALIGNMENT REPORT ≡

Vertical Alignment Report

PVI No.	Start		PVI Details		End		Gradient (%)		Type of Curve	Curve Lenght (m)	K-Value
	Chainage (Km)	Level(m)	Chainage (Km)	Level(m)	Chainage (Km)	Level(m)	IN	OUT			
1	0+068.810	1584.301	0+116.310	1584.349	0+163.810	1587.477	0.102	6.584	Sag	95	14.66
2	0+175.240	1588.229	0+275.240	1594.813	0+375.240	1590.596	6.584	-4.216	Hog	200	18.52
3	0+440.096	1587.862	0+475.096	1586.386	0+510.096	1586.401	-4.216	0.044	Sag	70	16.43
4	0+574.978	1586.430	0+589.978	1586.437	0+604.978	1586.415	0.044	-0.148	Hog	30	156.41
5	0+644.843	1586.356	0+654.843	1586.341	0+664.843	1586.314	-0.148	-0.272	Hog	20	161.22
6	0+809.395	1585.921	0+819.395	1585.894	0+829.395	1585.833	-0.272	-0.608	Hog	20	59.43
7	0+831.973	1585.818	0+845.473	1585.736	0+858.973	1585.798	-0.608	0.460	Sag	27	25.27
8	0+891.233	1585.946	0+911.233	1586.038	0+931.233	1586.018	0.460	-0.103	Hog	40	71.03
9	1+053.203	1585.893	1+065.703	1585.880	1+078.203	1585.893	-0.103	0.105	Sag	25	120.57
10	1+128.356	1585.945	1+148.356	1585.966	1+168.356	1585.888	0.105	-0.389	Hog	40	81.09
11	1+168.746	1585.887	1+181.746	1585.836	1+194.746	1585.750	-0.389	-0.666	Hog	26	93.61
12	1+197.038	1585.735	1+212.038	1585.635	1+227.038	1585.618	-0.666	-0.108	Sag	30	53.71
13	1+237.150	1585.608	1+252.150	1585.591	1+267.150	1585.701	-0.108	0.734	Sag	30	35.63
14	1+269.614	1585.720	1+281.614	1585.808	1+293.614	1585.727	0.734	-0.670	Hog	24	17.09
15	1+302.487	1585.668	1+322.487	1585.534	1+342.487	1585.571	-0.670	0.186	Sag	40	46.71
16	1+358.962	1585.602	1+368.962	1585.620	1+378.962	1585.620	0.186	0.000	Hog	20	107.44
17	1+382.068	1585.620	1+397.068	1585.620	1+412.068	1585.661	0.000	0.273	Sag	30	110.05
18	1+419.092	1585.680	1+434.092	1585.721	1+449.092	1585.657	0.273	-0.429	Hog	30	42.77
19	1+456.077	1585.627	1+471.077	1585.562	1+486.077	1585.576	-0.429	0.090	Sag	30	57.85
20	1+593.385	1585.672	1+615.885	1585.693	1+638.385	1585.648	0.090	-0.197	Hog	45	157.11
21	1+638.594	1585.648	1+653.594	1585.618	1+668.594	1585.587	-0.197	-0.208	Hog	30	2716.02
22	1+736.096	1585.410	1+751.096	1585.363	1+766.096	1585.416	-0.314	0.353	Sag	30	45.01
23	1+778.030	1585.458	1+793.030	1585.511	1+808.030	1585.495	0.353	-0.107	Hog	30	65.24
24	1+820.311	1585.482	1+830.311	1585.471	1+840.311	1585.505	-0.107	0.341	Sag	20	44.70
25	1+883.057	1585.651	1+898.057	1585.702	1+913.057	1585.622	0.341	-0.533	Hog	30	34.34
26	1+913.973	1585.617	1+928.973	1585.537	1+943.973	1585.565	-0.533	0.183	Sag	30	41.88
27	1+990.896	1585.651	2+000.896	1585.669	2+010.896	1585.676	0.183	0.070	Hog	20	176.66
28	2+026.168	1585.687	2+036.168	1585.694	2+046.168	1585.538	0.070	-1.558	Hog	20	12.29
29	2+046.790	1585.528	2+056.790	1585.372	2+066.790	1585.368	-1.558	-0.039	Sag	20	13.17
30	2+067.237	1585.368	2+077.237	1585.364	2+087.237	1585.628	-0.039	2.640	Sag	20	7.46
31	2+089.757	1585.695	2+099.757	1585.959	2+109.757	1585.716	2.640	-2.427	Hog	20	3.95
32	2+111.332	1585.678	2+126.332	1585.314	2+141.332	1585.574	-2.427	1.732	Sag	30	7.21
33	2+144.925	1585.636	2+154.925	1585.809	2+164.925	1585.817	1.732	0.085	Hog	20	12.15
34	2+171.521	1585.823	2+184.021	1585.834	2+196.521	1585.852	0.085	0.148	Sag	25	397.04
35	2+201.651	1585.860	2+234.151	1585.908	2+266.651	1586.086	0.148	0.547	Sag	65	162.70
36	2+267.798	1586.092	2+277.798	1586.147	2+287.798	1586.133	0.547	-0.134	Hog	20	29.34
37	2+292.358	1586.127	2+302.358	1586.114	2+312.358	1586.198	-0.134	0.839	Sag	20	20.55
38	2+323.250	1586.289	2+335.750	1586.394	2+348.250	1586.242	0.839	-1.217	Hog	25	12.16
39	2+354.195	1586.170	2+364.195	1586.048	2+374.195	1586.048	-1.217	0.000	Sag	20	16.44
40	2+378.727	1586.048	2+396.227	1586.048	2+413.727	1585.987	0.000	-0.345	Hog	35	101.32
41	2+419.157	1585.969	2+439.157	1585.900	2+459.157	1586.000	-0.345	0.502	Sag	40	47.22
42	2+459.429	1586.001	2+476.929	1586.089	2+494.429	1586.036	0.502	-0.303	Hog	35	43.52
43	2+495.051	1586.034	2+515.051	1585.974	2+535.051	1586.016	-0.303	0.213	Sag	40	77.59
44	2+603.147	1586.161	2+615.647	1586.188	2+628.147	1586.197	0.213	0.073	Hog	25	178.69
45	2+702.171	1586.251	2+717.171	1586.262	2+732.171	1586.143	0.073	-0.792	Hog	30	34.69
46	2+740.671	1586.076	2+755.671	1585.957	2+770.671	1585.993	-0.792	0.236	Sag	30	29.19
47	2+925.105	1586.357	2+965.105	1586.452	3+005.105	1586.342	0.236	-0.275	Hog	80	156.58
48	3+017.530	1586.307	3+055.030	1586.204	3+092.530	1586.292	-0.275	0.233	Sag	75	147.74
49	3+101.880	1586.313	3+136.880	1586.395	3+171.880	1586.292	0.233	-0.295	Hog	70	132.56
50	3+321.146	1585.851	3+346.146	1585.777	3+371.146	1586.290	-0.295	2.053	Sag	50	21.29

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



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Corporate Park, Plot No. 2, Block EP & GP,
Sector v, Salt Lake Kolkata - 700091,
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Ph: 033-40347200
www.eptisa.com

REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE : N.T.S

TITLE :
Vertical Alignment Report

DRG. NO. : EPTISA/JTRP/DPR/J&K/VAR/01

REVISION : R-1

August 2019

Vertical Alignment Report

PVI No.	Start		PVI Details		End		Gradient (%)		Type of Curve	Curve Lenght (m)	K-Value
	Chainage (Km)	Level(m)	Chainage (Km)	Level(m)	Chainage (Km)	Level(m)	IN	OUT			
51	3+389.213	1586.661	3+429.213	1587.483	3+469.213	1586.748	2.053	-1.836	Hog	80	20.57
52	3+482.762	1586.500	3+507.762	1586.041	3+532.762	1586.211	-1.836	0.683	Sag	50	19.85
53	3+604.458	1586.701	3+634.458	1586.906	3+664.458	1586.809	0.683	-0.323	Hog	60	59.66
54	3+665.941	1586.804	3+708.441	1586.667	3+750.941	1586.748	-0.323	0.192	Sag	85	165.02
55	3+957.532	1587.145	3+970.032	1587.169	3+982.532	1587.124	0.192	-0.362	Hog	25	45.14
56	4+097.412	1586.709	4+124.912	1586.609	4+152.412	1586.678	-0.362	0.250	Sag	55	89.92
57	4+260.747	1586.949	4+273.247	1586.980	4+285.747	1586.969	0.250	-0.087	Hog	25	74.13
58	4+436.991	1586.837	4+461.991	1586.815	4+486.991	1587.009	-0.087	0.776	Sag	50	57.94
59	4+488.289	1587.019	4+518.289	1587.252	4+548.289	1587.189	0.776	-0.209	Hog	60	60.96
60	4+667.844	1586.940	4+707.844	1586.856	4+747.844	1586.919	-0.209	0.157	Sag	80	218.91
61	4+748.141	1586.920	4+765.641	1586.947	4+783.141	1586.932	0.157	-0.084	Hog	35	145.13
62	4+867.619	1586.861	4+892.619	1586.840	4+917.619	1587.568	-0.084	2.911	Sag	50	16.70
63	4+921.407	1587.678	4+961.407	1588.842	5+001.407	1587.545	2.911	-3.243	Hog	80	13.00
64	5+007.500	1587.347	5+030.000	1586.617	5+052.500	1586.574	-3.243	-0.193	Sag	45	14.75
65	5+064.720	1586.550	5+234.720	1586.222	5+404.720	1586.526	-0.193	0.179	Sag	340	913.18
66	5+635.479	1586.940	5+645.479	1586.958	5+655.479	1586.942	0.179	-0.160	Hog	20	58.93
67	5+743.472	1586.801	5+753.472	1586.785	5+763.472	1586.778	-0.160	-0.064	Sag	20	207.66
68	5+981.993	1586.639	5+991.993	1586.632	6+001.993	1586.570	-0.064	-0.627	Hog	20	35.50
69	6+025.266	1586.424	6+040.266	1586.330	6+055.266	1586.402	-0.627	0.483	Sag	30	27.02
70	6+057.118	1586.411	6+067.118	1586.459	6+077.118	1586.424	0.483	-0.350	Hog	20	24.01
71	6+080.095	1586.414	6+100.095	1586.344	6+120.095	1586.382	-0.350	0.190	Sag	40	74.17
72	6+186.602	1586.508	6+206.602	1586.546	6+226.602	1586.482	0.190	-0.317	Hog	40	78.97
73	6+235.960	1586.453	6+245.960	1586.421	6+255.960	1586.460	-0.317	0.388	Sag	20	28.39
74	6+297.937	1586.468	6+312.937	1586.430	6+327.937	1586.518	-0.253	0.585	Sag	30	35.79
75	6+349.659	1586.645	6+382.159	1586.835	6+414.659	1586.832	0.585	-0.010	Hog	65	109.18
76	6+505.181	1586.823	6+517.681	1586.821	6+530.181	1586.862	-0.010	0.326	Sag	25	74.40
77	6+539.614	1586.893	6+559.614	1586.958	6+579.614	1586.969	0.326	0.054	Hog	40	147.31
78	7+488.286	1587.113	7+528.286	1587.080	7+568.286	1588.136	-0.080	2.638	Sag	80	29.43
79	7+572.778	1588.254	7+592.778	1588.782	7+612.778	1588.161	2.638	-3.105	Hog	40	6.97
80	7+613.000	1588.154	7+655.000	1586.850	7+697.000	1586.901	-3.105	0.121	Sag	84	26.04
81	7+946.089	1587.203	7+976.089	1587.239	8+006.089	1586.669	0.121	-1.901	Hog	60	29.68
82	8+020.777	1586.390	8+036.777	1586.086	8+052.777	1586.001	-1.901	-0.527	Sag	32	23.30
83	8+059.841	1585.964	8+072.341	1585.898	8+084.841	1585.793	-0.527	-0.838	Hog	25	80.33
84	8+086.422	1585.780	8+096.422	1585.696	8+106.422	1585.970	-0.838	2.735	Sag	20	5.60
85	8+108.938	1586.039	8+123.938	1586.449	8+138.938	1586.178	2.735	-1.810	Hog	30	6.60
86	8+139.949	1586.159	8+159.949	1585.797	8+179.949	1586.513	-1.810	3.580	Sag	40	7.42
87	8+187.065	1586.768	8+207.065	1587.484	8+227.065	1587.218	3.580	-1.329	Hog	40	8.15
88	8+234.792	1587.116	8+254.792	1586.850	8+274.792	1587.272	-1.329	2.109	Sag	40	11.63
89	8+275.558	1587.288	8+285.558	1587.499	8+295.558	1587.444	2.109	-0.544	Hog	20	7.54
90	8+298.120	1587.430	8+330.620	1587.254	8+363.120	1587.728	-0.544	1.459	Sag	65	32.46
91	8+363.994	1587.740	8+383.994	1588.032	8+403.994	1587.667	1.459	-1.828	Hog	40	12.17
92	8+412.500	1587.511	8+440.000	1587.008	8+467.500	1587.100	-1.828	0.333	Sag	55	25.45
93	8+518.836	1587.271	8+543.836	1587.354	8+568.836	1587.142	0.333	-0.849	Hog	50	42.30
94	8+573.387	1587.104	8+583.387	1587.019	8+593.387	1587.066	-0.849	0.476	Sag	20	15.09
95	8+629.649	1587.239	8+644.649	1587.311	8+659.649	1587.268	0.476	-0.280	Hog	30	39.65
96	8+721.389	1587.095	8+733.889	1587.060	8+746.389	1587.098	-0.280	0.301	Sag	25	42.98
97	8+769.221	1587.167	8+781.721	1587.205	8+794.221	1587.223	0.301	0.145	Hog	25	160.25
98	8+827.182	1587.271	8+852.182	1587.307	8+877.182	1587.057	0.145	-1.000	Hog	50	43.67
99	8+919.466	1586.778	8+929.466	1586.762	8+939.466	1586.750	-0.164	-0.122	Sag	20	480.56
100	8+944.886	1586.743	8+954.886	1586.731	8+964.886	1586.814	-0.122	0.825	Sag	20	21.12

CLIENT :



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2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

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REV.

DATE

DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE : N.T.S

TITLE :

Vertical Alignment Report

DRG. NO. : EPTISA/JTRFP/DPR/J&K/VAR/02

REVISION : R-1

August 2019

Vertical Alignment Report

PVI No.	Start		PVI Details		End		Gradient (%)		Type of Curve	Curve Lenght (m)	K-Value
	Chainage (Km)	Level(m)	Chainage (Km)	Level(m)	Chainage (Km)	Level(m)	IN	OUT			
101	8+970.755	1586.862	8+980.755	1586.944	8+990.755	1586.947	0.825	0.022	Hog	20	24.92
102	9+049.182	1586.960	9+059.182	1586.962	9+069.182	1587.116	0.022	1.541	Sag	20	13.17
103	9+069.976	1587.128	9+079.976	1587.282	9+089.976	1587.355	1.541	0.728	Hog	20	24.61
104	9+090.541	1587.359	9+110.541	1587.505	9+130.541	1587.453	0.728	-0.261	Hog	40	40.45
105	9+137.885	1587.433	9+157.885	1587.381	9+177.885	1587.472	-0.261	0.456	Sag	40	55.77
106	9+185.816	1587.509	9+195.816	1587.554	9+205.816	1587.546	0.456	-0.086	Hog	20	36.88
107	9+318.697	1587.448	9+348.697	1587.422	9+378.697	1587.580	-0.086	0.526	Sag	60	98.06
108	9+386.397	1587.621	9+411.397	1587.752	9+436.397	1587.731	0.526	-0.082	Hog	50	82.26
109	9+443.987	1587.725	9+461.487	1587.711	9+478.987	1587.785	-0.082	0.423	Sag	35	69.34
110	9+537.080	1588.030	9+574.580	1588.189	9+612.080	1588.154	0.423	-0.092	Hog	75	145.81
111	9+705.926	1588.068	9+780.926	1587.999	9+855.926	1588.270	-0.092	0.361	Sag	150	331.46
112	9+870.513	1588.322	9+970.513	1588.683	10+070.513	1588.716	0.361	0.033	Hog	200	609.44
113	10+326.383	1588.799	10+426.383	1588.831	10+526.383	1592.161	0.033	3.330	Sag	200	60.66
114	10+534.370	1592.427	10+584.370	1594.092	10+634.370	1592.424	3.330	-3.336	Hog	100	15.00
115	10+654.123	1591.765	10+704.123	1590.097	10+754.123	1590.130	-3.336	0.066	Sag	100	29.40
116	10+892.598	1590.221	10+902.598	1590.228	10+912.598	1590.190	0.066	-0.375	Hog	20	45.34
117	10+941.933	1590.102	10+974.433	1590.032	11+006.933	1590.078	-0.215	0.140	Sag	65	183.17
118	11+108.986	1590.221	11+121.486	1590.238	11+133.986	1590.202	0.140	-0.289	Hog	25	58.29
119	11+176.369	1590.080	11+201.369	1590.007	11+226.369	1590.103	-0.289	0.382	Sag	50	74.52
120	11+235.608	1590.138	11+253.108	1590.205	11+270.608	1590.150	0.382	-0.316	Hog	35	50.17
121	11+318.840	1589.998	11+328.840	1589.966	11+338.840	1589.899	-0.316	-0.676	Hog	20	55.45
122	11+339.525	1589.894	11+364.525	1589.725	11+389.525	1589.827	-0.676	0.409	Sag	50	46.08
123	11+391.161	1589.834	11+403.661	1589.885	11+416.161	1589.853	0.409	-0.257	Hog	25	37.56
124	11+518.138	1589.591	11+548.138	1589.514	11+578.138	1589.925	-0.257	1.370	Sag	60	36.89
125	11+583.478	1589.998	11+603.478	1590.272	11+623.478	1589.927	1.370	-1.728	Hog	40	12.92
126	11+624.493	1589.909	11+644.493	1589.564	11+664.493	1589.651	-1.728	0.436	Sag	40	18.49
127	11+672.284	1589.685	11+682.284	1589.728	11+692.284	1589.714	0.436	-0.144	Hog	20	34.50
128	11+758.262	1589.619	11+768.262	1589.605	11+778.262	1589.534	-0.144	-0.711	Hog	20	35.29
129	11+782.614	1589.503	11+792.614	1589.432	11+802.614	1589.447	-0.711	0.151	Sag	20	23.22
130	12+029.475	1589.789	12+049.475	1589.819	12+069.475	1589.780	0.151	-0.198	Hog	40	114.82
131	12+079.503	1589.760	12+099.503	1589.720	12+119.503	1589.791	-0.198	0.353	Sag	40	72.58
132	12+131.691	1589.834	12+241.691	1590.223	12+351.691	1590.149	0.353	-0.067	Hog	220	522.65
133	12+353.243	1590.148	12+388.243	1590.124	12+423.243	1590.365	-0.067	0.688	Sag	70	92.64
134	12+424.242	1590.372	12+564.242	1591.335	12+704.242	1591.580	0.688	0.175	Hog	280	545.34
135	12+770.886	1591.696	12+785.886	1591.722	12+800.886	1591.902	0.175	1.195	Sag	30	29.41
136	12+870.698	1592.736	12+890.698	1592.975	12+910.698	1592.869	1.195	-0.526	Hog	40	23.24
137	13+030.280	1592.240	13+130.280	1591.714	13+230.280	1591.837	-0.526	0.122	Sag	200	308.35
138	13+247.341	1591.857	13+264.841	1591.879	13+282.341	1591.774	0.122	-0.598	Hog	35	48.58
139	13+340.515	1591.426	13+353.015	1591.352	13+365.515	1591.325	-0.598	-0.217	Sag	25	65.56
140	13+371.040	1591.313	13+391.040	1591.269	13+411.040	1591.098	-0.217	-0.856	Hog	40	62.55
141	13+414.155	1591.071	13+439.155	1590.857	13+464.155	1590.854	-0.856	-0.013	Sag	50	59.32
142	13+488.327	1590.851	13+500.827	1590.849	13+513.327	1590.859	-0.013	0.082	Sag	25	262.51
143	13+521.080	1590.866	13+541.080	1590.882	13+561.080	1591.176	0.082	1.472	Sag	40	28.78
144	13+633.727	1592.246	13+656.227	1592.577	13+678.727	1593.288	1.472	3.162	Sag	45	26.63
145	13+718.979	1594.561	13+798.979	1597.090	13+878.979	1597.319	3.162	0.286	Hog	160	55.64
146	13+889.839	1597.351	13+919.839	1597.436	13+949.839	1598.154	0.286	2.393	Sag	60	28.48
147	13+960.138	1598.401	14+012.638	1599.657	14+065.138	1599.863	2.393	0.393	Hog	105	52.50
148	14+238.694	1600.544	14+258.694	1600.623	14+278.694	1601.077	0.393	2.268	Sag	40	21.33
149	14+290.589	1601.346	14+380.589	1603.388	14+470.589	1603.982	2.268	0.661	Hog	180	111.97
150	14+483.376	1604.067	14+533.376	1604.397	14+583.376	1605.484	0.661	2.175	Sag	100	66.05

CLIENT :



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REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE : N.T.S

TITLE :
Vertical Alignment Report

DRG. NO. : EPTISA/JTRFP/DPR/J&K/VAR/03

REVISION : R-1

August 2019

Vertical Alignment Report											
PVI No.	Start		PVI Details		End		Gradient (%)		Type of Curve	Curve Lenght (m)	K-Value
	Chainage (Km)	Level(m)	Chainage (Km)	Level(m)	Chainage (Km)	Level(m)	IN	OUT			
151	14+594.495	1605.726	14+694.495	1607.901	14+794.495	1608.481	2.175	0.581	Hog	200	125.46
152	14+805.582	1608.546	14+910.582	1609.155	15+015.582	1610.892	0.581	1.655	Sag	210	195.50
153	15+017.275	1610.920	15+044.775	1611.376	15+072.275	1611.360	1.655	-0.057	Hog	55	32.14
154	15+073.526	1611.359	15+116.026	1611.335	15+158.526	1612.804	-0.057	3.457	Sag	85	24.19
155	15+181.886	1613.612	15+224.386	1615.081	15+266.886	1615.313	3.457	0.547	Hog	85	29.21
156	15+362.495	1615.836	15+379.995	1615.932	15+397.495	1615.805	0.547	-0.722	Hog	35	27.59
157	15+407.085	1615.736	15+449.585	1615.429	15+492.085	1616.466	-0.722	2.440	Sag	85	26.89
158	15+575.743	1618.507	15+618.243	1619.544	15+660.743	1619.578	2.440	0.079	Hog	85	36.00
159	15+667.149	1619.583	15+704.649	1619.612	15+742.149	1620.204	0.079	1.578	Sag	75	50.02
160	16+142.741	1626.527	16+157.741	1626.763	16+172.741	1626.769	1.578	0.040	Hog	30	19.50
161	16+199.344	1626.780	16+289.344	1626.816	16+379.344	1629.163	0.040	2.608	Sag	180	70.08
162	16+389.775	1629.435	16+424.775	1630.348	16+459.775	1630.445	2.608	0.277	Hog	70	30.03
163	16+539.100	1630.665	16+564.100	1630.734	16+589.100	1631.482	0.277	2.992	Sag	50	18.41
164	16+595.134	1631.663	16+632.634	1632.785	16+670.134	1632.944	2.992	0.422	Hog	75	29.18
165	16+736.063	1633.222	16+756.063	1633.307	16+776.063	1633.558	0.422	1.257	Sag	40	47.96
166	16+779.729	1633.604	16+814.729	1634.044	16+849.729	1635.335	1.257	3.690	Sag	70	28.77
167	16+852.584	1635.440	16+872.584	1636.178	16+892.584	1636.145	3.690	-0.165	Hog	40	10.38
168	16+897.574	1636.137	16+907.574	1636.121	16+917.574	1636.152	-0.165	0.309	Sag	20	42.23
169	16+985.232	1636.566	16+986.945	1636.587	16+988.658	1636.612	1.222	1.436	Sag	3	16.00
170	17+046.181	1637.438	17+062.005	1637.665	17+077.829	1638.106	1.436	2.789	Sag	32	23.38
171	17+095.577	1638.601	17+105.502	1638.878	17+115.427	1639.071	2.789	1.943	Hog	20	23.45
172	17+132.925	1639.411	17+138.999	1639.529	17+145.073	1639.740	1.943	3.477	Sag	12	7.92
173	17+158.082	1640.193	17+181.884	1641.020	17+205.685	1640.348	3.477	-2.826	Hog	48	7.55
174	17+210.535	1640.211	17+232.603	1639.587	17+254.671	1639.878	-2.826	1.320	Sag	44	10.65
175	17+270.854	1640.092	17+280.854	1640.224	17+290.854	1640.189	1.320	-0.355	Hog	20	11.94
176	17+299.318	1640.158	17+309.318	1640.123	17+319.318	1640.221	-0.355	0.978	Sag	20	15.00
177	17+330.090	1640.326	17+340.090	1640.424	17+350.090	1640.460	0.978	0.357	Hog	20	32.18
178	17+359.102	1640.492	17+384.102	1640.581	17+409.102	1641.538	0.357	3.827	Sag	50	14.41
179	17+427.397	1642.238	17+447.397	1643.003	17+467.397	1643.054	3.827	0.256	Hog	40	11.20
180	19+903.546	1682.055	19+942.476	1682.126	19+981.407	1680.682	0.184	-3.709	Hog	78	20.00
181	19+981.407	1680.682	19+996.199	1680.134	20+010.991	1680.023	-3.709	-0.751	Sag	30	10.00
182	20+010.991	1680.023	20+035.865	1679.836	20+060.739	1679.154	-0.751	-2.741	Hog	50	25.00
183	20+060.739	1679.154	20+113.695	1677.703	20+166.651	1677.297	-2.741	-0.766	Sag	106	53.63
184	20+197.829	1677.059	20+222.673	1676.868	20+247.517	1676.061	-0.766	-3.250	Hog	50	20.00
185	20+247.517	1676.061	20+267.937	1675.397	20+288.357	1675.151	-3.250	-1.208	Sag	41	20.00
186	20+313.480	1674.847	20+340.886	1674.516	20+368.293	1673.935	-1.208	-2.122	Hog	55	60.00
187	20+386.619	1673.546	20+403.736	1673.183	20+420.853	1672.937	-2.122	-1.437	Sag	34	50.00
188	20+542.699	1671.186	20+568.560	1670.814	20+594.421	1670.150	-1.437	-2.568	Hog	52	45.73
189	20+594.421	1670.150	20+623.107	1669.413	20+651.792	1668.948	-2.568	-1.623	Sag	57	60.71
190	20+651.792	1668.948	20+659.182	1668.828	20+666.572	1668.662	-1.623	-2.246	Hog	15	23.74
191	20+666.572	1668.662	20+689.572	1668.146	20+712.572	1667.860	-2.246	-1.241	Sag	46	45.80
192	20+780.023	1667.023	20+789.720	1666.903	20+799.418	1666.876	-1.241	-0.271	Sag	19	20.00
193	20+799.418	1666.876	20+827.642	1666.800	20+855.866	1665.926	-0.271	-3.094	Hog	56	20.00
194	20+855.866	1665.926	20+872.517	1665.411	20+889.167	1665.166	-3.094	-1.473	Sag	33	20.54
195	20+915.286	1664.781	20+937.887	1664.448	20+960.488	1663.960	-1.473	-2.163	Hog	45	65.52
196	20+960.488	1663.960	20+992.758	1663.262	21+025.027	1662.980	-2.163	-0.872	Sag	65	50.00
197	21+049.487	1662.767	21+061.533	1662.662	21+073.578	1662.499	-0.872	-1.354	Hog	24	50.00
198	21+141.973	1661.573	21+157.477	1661.363	21+172.981	1660.993	-1.354	-2.387	Hog	31	30.00
199	21+262.794	1658.849	21+327.009	1657.316	21+391.224	1657.157	-2.387	-0.247	Sag	128	60.00
200	21+391.224	1657.157	21+407.435	1657.117	21+423.647	1656.814	-0.247	-1.868	Hog	32	20.00

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



Eptisa Servicios de Ingenieria S.L.
Unit 1203, 12th Floor, Tower 1, PS Srijan
Corporate Park, Plot No. 2, Block EP & GP,
Sector v, Salt Lake Kolkata - 700091,
West Bengal
Ph: 033-40347200
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REV.	DATE	DESCRIPTION
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DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	N.T.S

TITLE :

Vertical Alignment Report

DRG. NO. : EPTISA/JTRFP/DPR/J&K/VAR/04

REVISION : R-1

August 2019

Vertical Alignment Report

PVI No.	Start		PVI Details		End		Gradient (%)		Type of Curve	Curve Lenght (m)	K-Value
	Chainage (Km)	Level(m)	Chainage (Km)	Level(m)	Chainage (Km)	Level(m)	IN	OUT			
201	21+465.447	1656.034	21+480.189	1655.758	21+494.930	1655.265	-1.868	-3.342	Hog	29	20.00
202	21+494.930	1655.265	21+522.342	1654.349	21+549.754	1654.158	-3.342	-0.698	Sag	55	20.73
203	21+549.754	1654.158	21+580.938	1653.940	21+612.121	1653.075	-0.698	-2.777	Hog	62	30.00
204	21+642.921	1652.219	21+676.352	1651.291	21+709.782	1651.480	-2.777	0.566	Sag	67	20.00
205	21+709.782	1651.480	21+728.313	1651.585	21+746.844	1651.347	0.566	-1.287	Hog	37	20.00
206	21+746.844	1651.347	21+772.015	1651.023	21+797.186	1650.872	-1.287	-0.601	Sag	50	73.47
207	21+797.186	1650.872	21+822.949	1650.717	21+848.712	1650.140	-0.601	-2.238	Hog	52	31.48
208	21+848.712	1650.140	21+890.126	1649.213	21+931.540	1648.858	-2.238	-0.858	Sag	83	60.00
209	21+931.540	1648.858	21+947.629	1648.720	21+963.719	1648.409	-0.858	-1.930	Hog	32	30.00
210	21+990.936	1647.884	22+004.343	1647.625	22+017.751	1647.307	-1.930	-2.377	Hog	27	60.00
211	22+017.751	1647.307	22+029.593	1647.025	22+041.436	1646.856	-2.377	-1.430	Sag	24	25.00
212	22+041.436	1646.856	22+050.290	1646.729	22+059.144	1646.524	-1.430	-2.315	Hog	18	20.00
213	22+088.099	1645.854	22+100.974	1645.556	22+113.850	1645.479	-2.315	-0.599	Sag	26	15.00
214	22+173.125	1645.124	22+195.891	1644.988	22+218.658	1644.581	-0.599	-1.786	Hog	46	38.35
215	22+218.658	1644.581	22+230.225	1644.374	22+241.792	1644.257	-1.786	-1.015	Sag	23	30.00
216	22+375.381	1642.901	22+393.183	1642.721	22+410.985	1642.646	-1.015	-0.421	Sag	36	60.00
217	22+410.985	1642.646	22+440.308	1642.522	22+469.631	1641.539	-0.421	-3.354	Hog	59	20.00
218	22+469.631	1641.539	22+498.067	1640.585	22+526.503	1640.134	-3.354	-1.584	Sag	57	32.14
219	22+526.503	1640.134	22+566.094	1639.507	22+605.685	1639.037	-1.584	-1.188	Sag	79	200.00
220	22+605.685	1639.037	22+621.276	1638.851	22+636.868	1638.423	-1.188	-2.748	Hog	31	20.00
221	22+636.868	1638.423	22+669.320	1637.531	22+701.771	1637.416	-2.748	-0.355	Sag	65	27.12
222	22+777.567	1637.147	22+806.445	1637.045	22+835.323	1636.108	-0.355	-3.243	Hog	58	20.00
223	22+835.323	1636.108	22+884.165	1634.525	22+933.008	1634.304	-3.243	-0.452	Sag	98	35.00
224	22+933.008	1634.304	22+967.761	1634.147	23+002.515	1633.507	-0.452	-1.842	Hog	70	50.00
225	23+123.152	1631.285	23+133.854	1631.088	23+144.556	1630.814	-1.842	-2.555	Hog	21	30.00
226	23+144.556	1630.814	23+203.125	1629.318	23+261.693	1629.838	-2.555	0.888	Sag	117	34.02
227	23+261.693	1629.838	23+314.763	1630.310	23+367.833	1628.528	0.888	-3.357	Hog	106	25.00
228	23+367.833	1628.528	23+423.424	1626.662	23+479.015	1626.400	-3.357	-0.470	Sag	111	38.51
229	23+479.015	1626.400	23+545.373	1626.089	23+611.732	1624.676	-0.470	-2.129	Hog	133	80.00
230	23+611.732	1624.676	23+634.417	1624.193	23+657.103	1624.225	-2.129	0.140	Sag	45	20.00
231	23+657.103	1624.225	23+737.402	1624.337	23+817.701	1622.648	0.140	-2.103	Hog	161	71.62
232	23+841.942	1622.139	23+858.140	1621.798	23+874.337	1621.720	-2.103	-0.483	Sag	32	20.00
233	23+893.231	1621.629	23+911.961	1621.538	23+930.690	1621.214	-0.483	-1.732	Hog	37	30.00
234	23+965.397	1620.613	23+986.805	1620.242	24+008.214	1620.048	-1.732	-0.908	Sag	43	52.01
235	24+008.214	1620.048	24+027.307	1619.874	24+046.401	1619.555	-0.908	-1.672	Hog	38	50.00
236	24+171.354	1617.466	24+183.287	1617.266	24+195.220	1616.972	-1.672	-2.468	Hog	24	30.00
237	24+195.220	1616.972	24+227.186	1616.183	24+259.152	1616.075	-2.468	-0.337	Sag	64	30.00
238	24+259.152	1616.075	24+295.647	1615.953	24+332.142	1615.497	-0.337	-1.249	Hog	73	80.00
239	24+701.612	1610.883	24+751.287	1610.262	24+800.961	1610.135	-1.249	-0.255	Sag	99	100.00
240	24+800.961	1610.135	24+812.798	1610.105	24+824.634	1609.935	-0.255	-1.439	Hog	24	20.00
241	24+824.634	1609.935	24+859.475	1609.433	24+894.316	1609.417	-1.439	-0.045	Sag	70	50.00
242	24+894.316	1609.417	24+917.066	1609.407	24+939.815	1609.190	-0.045	-0.955	Hog	45	50.00
243	25+050.085	1608.136	25+164.983	1607.039	25+279.881	1607.261	-0.955	0.194	Sag	230	200.00
244	25+279.881	1607.261	25+294.939	1607.290	25+309.997	1607.093	0.194	-1.312	Hog	30	20.00

CLIENT :



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REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE : N.T.S

TITLE :
Vertical Alignment Report

DRG. NO. : EPTISA/JTRFP/DPR/J&K/VAR/05

REVISION : R-1

August 2019

≡ VERTICAL ALIGNMENT REPORT (FOR LINK ROAD NO.1) ≡

Vertical Alignment Report											
PVI No.	Start		PVI Details		End		Gradient (%)		Type of Curve	Curve Lenght (m)	K-Value
	Chainage (Km)	Level(m)	Chainage (Km)	Level(m)	Chainage (Km)	Level(m)	IN	OUT			
1	0+015.141	1586.939	0+025.141	1586.957	0+035.141	1586.939	0.175	-0.182	Hog	20	56.07
2	0+061.161	1586.892	0+073.661	1586.869	0+086.161	1587.355	-0.182	3.890	Sag	25	6.14
3	0+091.668	1587.569	0+101.668	1587.958	0+111.668	1587.902	3.890	-0.561	Hog	20	4.49
4	0+112.618	1587.897	0+122.618	1587.841	0+132.618	1587.706	-0.561	-1.347	Hog	20	25.43
5	0+134.722	1587.678	0+144.722	1587.543	0+154.722	1587.573	-1.347	0.294	Sag	20	12.19
6	0+159.671	1587.587	0+174.671	1587.631	0+189.671	1587.706	0.294	0.500	Sag	30	145.58
7	0+217.067	1587.843	0+292.067	1588.218	0+367.067	1590.868	0.500	3.533	Sag	150	49.46
8	0+393.890	1591.816	0+408.890	1592.346	0+423.890	1592.367	3.533	0.146	Hog	30	8.86
9	0+538.520	1592.535	0+558.520	1592.564	0+578.520	1591.738	0.146	-4.129	Hog	40	9.36
10	0+651.010	1588.745	0+698.510	1586.784	0+746.010	1587.580	-4.129	1.674	Sag	95	16.37
11	0+755.818	1587.744	0+768.318	1587.953	0+780.818	1587.564	1.674	-3.116	Hog	25	5.22
12	0+788.409	1587.327	0+798.409	1587.015	0+808.409	1586.979	-3.116	-0.367	Sag	20	7.28
13	0+832.413	1586.891	0+847.413	1586.836	0+862.413	1586.790	-0.367	-0.301	Sag	30	455.42
14	0+863.009	1586.789	0+873.009	1586.759	0+883.009	1586.716	-0.301	-0.426	Hog	20	159.84
15	0+923.221	1586.545	0+926.270	1586.532	0+929.319	1586.532	-0.426	0.001	Sag	20	14.26
16	0+991.065	1586.533	1+001.065	1586.533	1+011.065	1586.504	0.001	-0.282	Hog	20	70.64
17	1+038.060	1586.428	1+050.560	1586.393	1+063.060	1586.423	-0.282	0.240	Sag	25	47.92
18	1+091.730	1586.492	1+111.730	1586.540	1+131.730	1586.486	0.240	-0.272	Hog	40	78.17
19	1+184.368	1586.343	1+214.368	1586.261	1+244.368	1586.331	-0.272	0.232	Sag	60	119.19
20	1+258.227	1586.363	1+268.227	1586.386	1+278.227	1586.380	0.232	-0.055	Hog	20	69.67
21	1+306.207	1586.365	1+321.207	1586.356	1+336.207	1586.454	-0.055	0.652	Sag	30	42.38
22	1+363.075	1586.630	1+383.075	1586.760	1+403.075	1586.738	0.652	-0.110	Hog	40	52.47
23	1+403.147	1586.738	1+423.147	1586.716	1+443.147	1586.763	-0.110	0.232	Sag	40	116.99
24	1+492.533	1586.877	1+527.533	1586.958	1+562.533	1586.877	0.232	-0.231	Hog	70	151.03
25	1+562.966	1586.876	1+600.466	1586.790	1+637.966	1586.656	-0.231	-0.355	Hog	75	606.83
26	1+640.413	1586.648	1+660.413	1586.577	1+680.413	1586.634	-0.355	0.285	Sag	40	62.54
27	1+682.314	1586.639	1+722.314	1586.753	1+762.314	1586.574	0.285	-0.448	Hog	80	109.17
28	1+767.806	1586.549	1+787.806	1586.459	1+807.806	1586.520	-0.448	0.305	Sag	40	53.09
29	1+813.871	1586.539	1+823.871	1586.569	1+833.871	1586.545	0.305	-0.243	Hog	20	36.49
30	1+838.577	1586.534	1+851.077	1586.503	1+863.577	1586.572	-0.243	0.549	Sag	25	31.59
31	1+869.517	1586.604	1+884.517	1586.687	1+899.517	1586.616	0.549	-0.475	Hog	30	29.32
32	1+903.905	1586.595	1+913.905	1586.547	1+923.905	1586.558	-0.475	0.106	Sag	20	34.47
33	1+924.727	1586.559	1+934.727	1586.569	1+944.727	1586.565	0.106	-0.040	Hog	20	137.44
34	1+956.632	1586.561	1+971.632	1586.555	1+986.632	1586.559	-0.040	0.029	Sag	30	438.35
35	1+987.236	1586.559	1+997.236	1586.562	2+007.236	1586.542	0.029	-0.202	Hog	20	86.86
36	2+020.000	1586.516	2+030.000	1586.496	2+040.000	1586.503	-0.202	0.069	Sag	20	73.87
37	2+041.232	1586.504	2+051.232	1586.511	2+061.232	1586.478	0.069	-0.325	Hog	20	50.80
38	2+090.029	1586.385	2+110.029	1586.320	2+130.029	1586.485	-0.325	0.825	Sag	40	34.80
39	2+134.898	1586.525	2+147.398	1586.628	2+159.898	1586.635	0.825	0.053	Hog	25	32.38
40	2+317.764	1586.718	2+327.764	1586.723	2+337.764	1586.832	0.053	1.084	Sag	20	19.39
41	2+358.527	1587.057	2+378.527	1587.274	2+398.527	1587.058	1.084	-1.080	Hog	40	18.48
42	2+424.484	1586.778	2+436.984	1586.643	2+449.484	1586.634	-1.080	-0.074	Sag	25	24.85
43	2+643.437	1586.491	2+665.937	1586.474	2+688.437	1587.312	-0.074	3.724	Sag	45	11.85
44	2+692.006	1587.445	2+702.006	1587.817	2+712.006	1587.868	3.724	0.514	Hog	20	6.23
45	2+740.594	1588.015	2+750.594	1588.067	2+760.594	1588.050	0.514	-0.161	Hog	20	29.66
46	2+767.981	1588.039	2+777.981	1588.023	2+787.981	1588.104	-0.161	0.810	Sag	20	20.60
47	2+810.569	1588.286	2+820.569	1588.367	2+830.569	1588.301	0.810	-0.662	Hog	20	13.59
48	2+850.129	1588.172	2+902.629	1587.824	2+955.129	1588.006	-0.662	0.347	Sag	105	104.11
49	2+959.990	1588.023	2+972.490	1588.067	2+984.990	1587.986	0.347	-0.643	Hog	25	25.27
50	3+000.172	1587.889	3+010.172	1587.824	3+020.172	1587.863	-0.643	0.383	Sag	20	19.50
51	3+021.249	1587.867	3+031.249	1587.905	3+041.249	1587.724	0.383	-1.806	Hog	20	9.14
52	3+078.338	1587.055	3+113.338	1586.423	3+148.338	1586.484	-1.806	0.177	Sag	70	35.31
53	3+219.752	1586.610	3+229.752	1586.628	3+239.752	1586.602	0.177	-0.259	Hog	20	45.96
54	3+392.363	1586.207	3+419.863	1586.136	3+447.363	1586.283	-0.259	0.532	Sag	55	69.55
55	3+545.030	1586.802	3+555.030	1586.856	3+565.030	1586.739	0.532	-1.167	Hog	20	11.77
56	3+576.611	1586.604	3+609.111	1586.224	3+641.611	1586.511	-1.167	0.881	Sag	65	31.74
57	3+647.444	1586.562	3+659.944	1586.672	3+672.444	1586.610	0.881	-0.495	Hog	25	18.17
58	3+722.035	1586.365	3+737.035	1586.290	3+752.035	1586.369	-0.495	0.525	Sag	30	29.40
59	3+759.248	1586.407	3+781.748	1586.525	3+804.248	1586.497	0.525	-0.127	Hog	45	69.03
60	3+813.110	1586.486	3+828.110	1586.467	3+843.110	1586.566	-0.127	0.665	Sag	30	37.90
61	3+853.755	1586.637	3+868.955	1586.738	3+884.155	1586.524	0.665	-1.410	Hog	30	14.65
62	3+889.148	1586.453	3+899.148	1586.312	3+909.148	1586.360	-1.410	0.477	Sag	20	10.60
63	3+969.804	1586.649	3+982.304	1586.709	3+994.804	1586.699	0.477	-0.076	Hog	25	45.26
64	4+147.503	1586.584	4+205.003	1586.540	4+262.503	1587.343	-0.076	1.397	Sag	115	78.09
65	4+271.932	1587.475	4+306.932	1587.964	4+341.932	1587.983	1.397	0.054	Hog	70	52.13
66	4+456.738	1588.045	4+466.738	1588.050	4+476.738	1588.224	0.054	1.741	Sag	20	11.86
67	4+478.634	1588.257	4+496.134	1588.562	4+513.634	1588.500	1.741	-0.354	Hog	35	16.71
68	4+524.061	1588.463	4+534.061	1588.428	4+544.061	1588.449	-0.354	0.214	Sag	20	35.20
69	4+547.537	1588.457	4+557.537	1588.478	4+567.537	1588.391	0.214	-0.869	Hog	20	18.47
70	4+627.124	1587.874	4+639.624	1587.765	4+652.124	1587.685	-0.869	-0.644	Sag	25	111.18
71	4+666.111	1587.595	4+676.111	1587.530	4+686.111	1587.488	-0.644	-0.425	Sag	20	91.48
72	4+740.868	1587.255	4+790.868	1587.043	4+840.868	1587.942	-0.425	1.799	Sag	100	44.96
73	4+856.482	1588.223	4+881.482	1588.673	4+906.482	1589.098	1.799	1.701	Hog	50	505.97
74	4+919.819	1589.325	4+929.819	1589.495	4+939.819	1589.306	1.701	-1.891	Hog	20	5.57

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
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(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



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REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	N.T.S

TITLE :

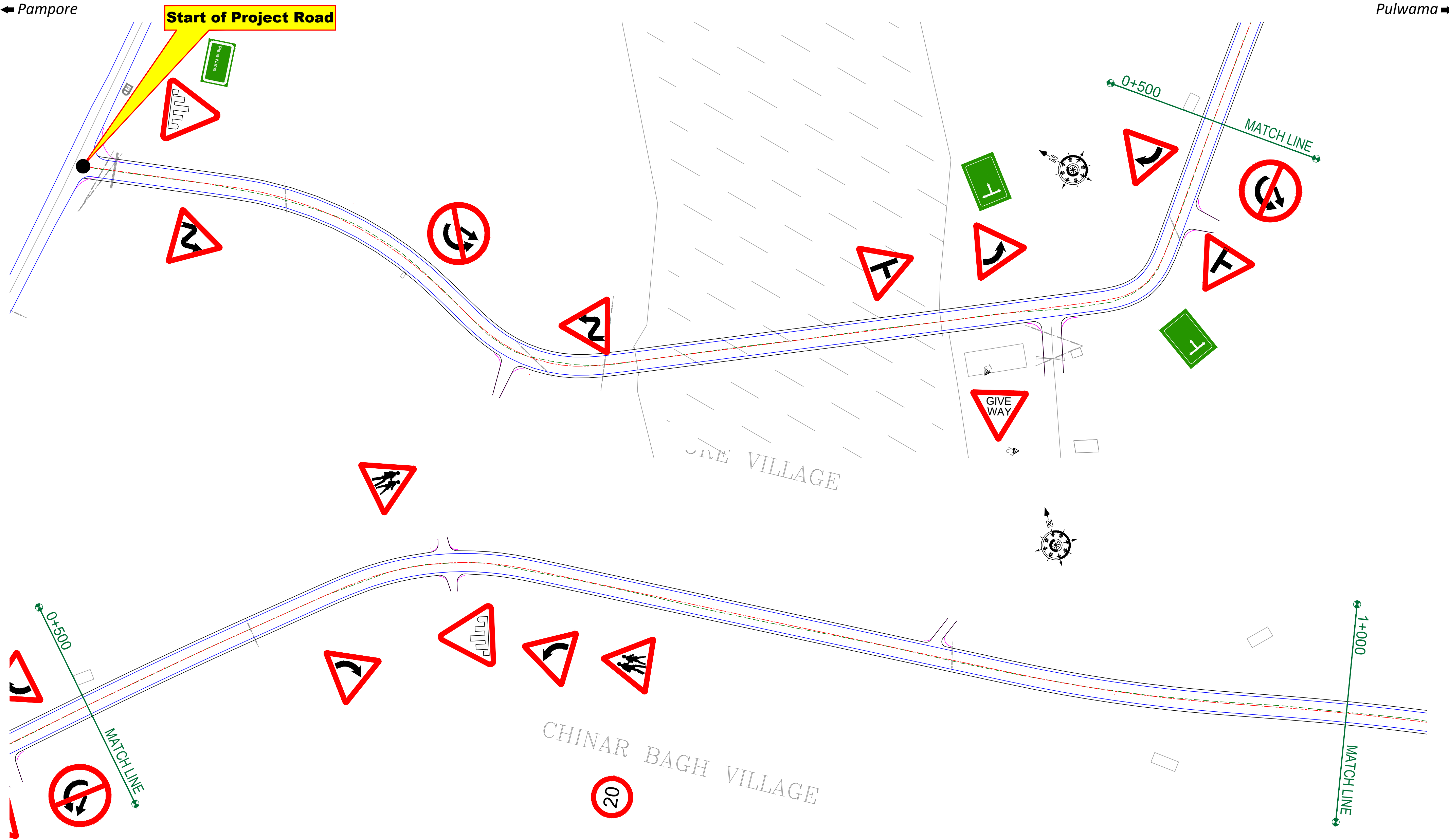
Vertical Alignment Report
(For Link Road No.1)

DRG. NO. : EPTISA/JTRFP/DPR/J&K/VAR/Link Road/01

REVISION : R-1

August 2019

≡ SIGNAGE PLAN (MAIN ROAD) ≡



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DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE : 1:1000

TITLE :
Signage Plan
(Ch. 0+000 to Ch. 1+000)

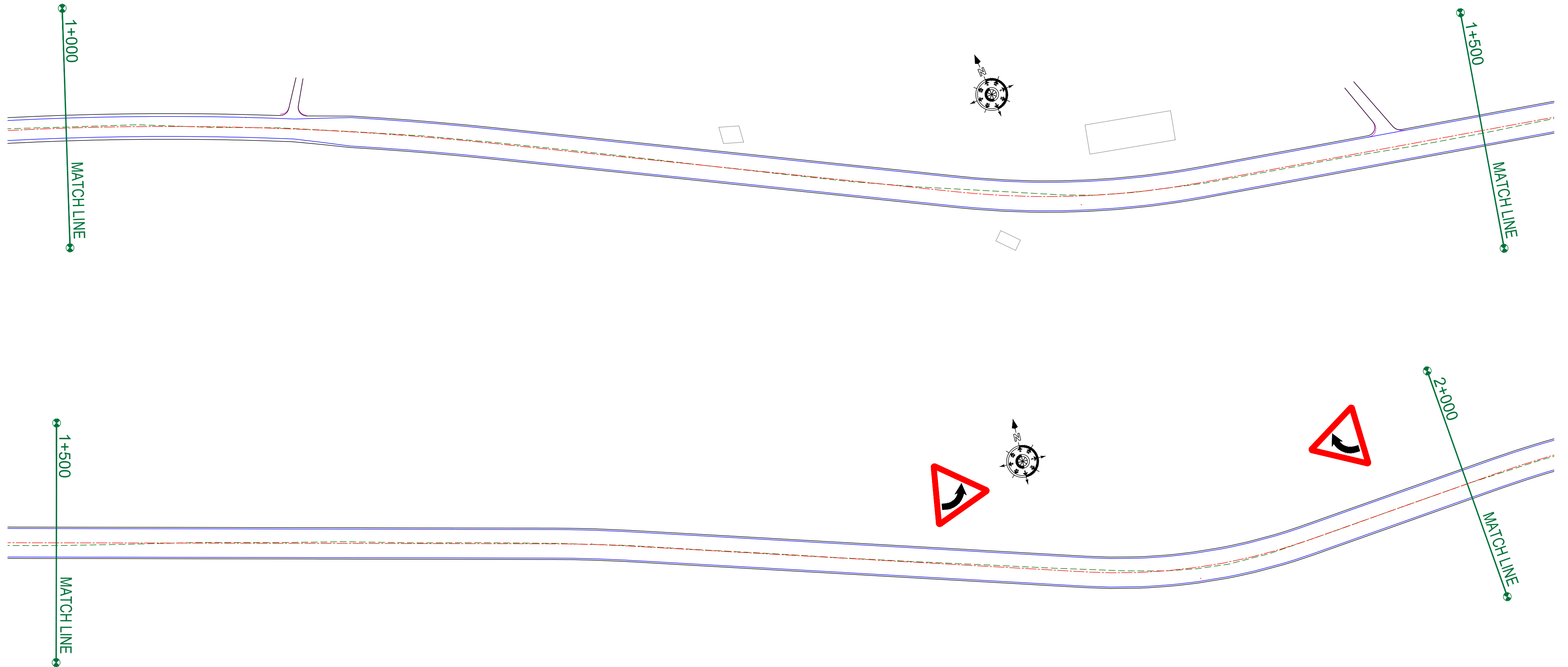
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REVISION : R-1

August 2019

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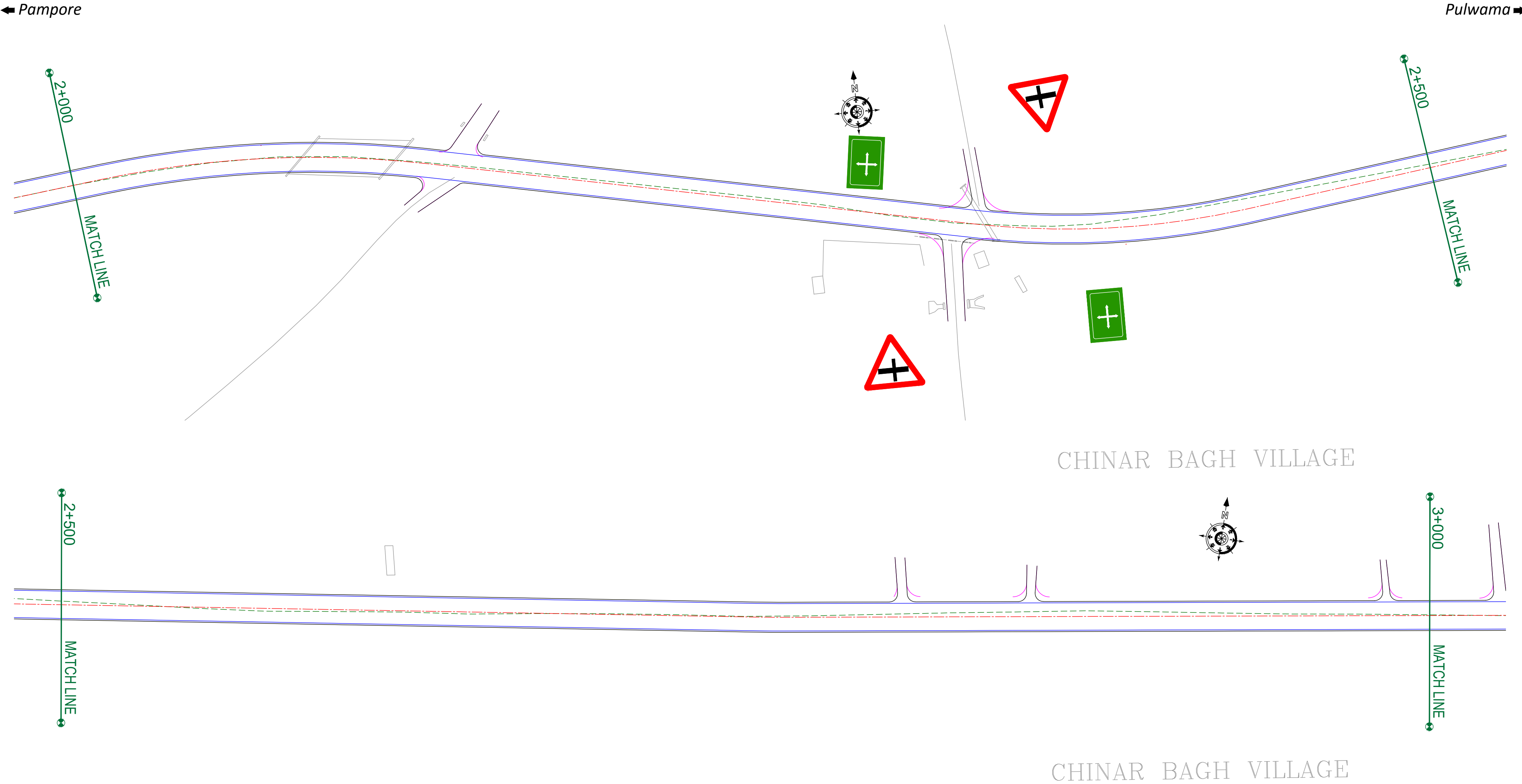
Signage Plan

(Ch. 1+000 to Ch. 2+000)

DRG. NO.: EPTISA/JTFRP/DPR/J&K/SP/02

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CLIENT :



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APPROVED BY : KG

SCALE : 1:1000

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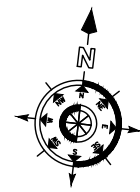
Signage Plan
(Ch. 2+000 to Ch. 3+000)

DRG. NO. : EPTISA/JTRFP/DPR/J&K/SP/03

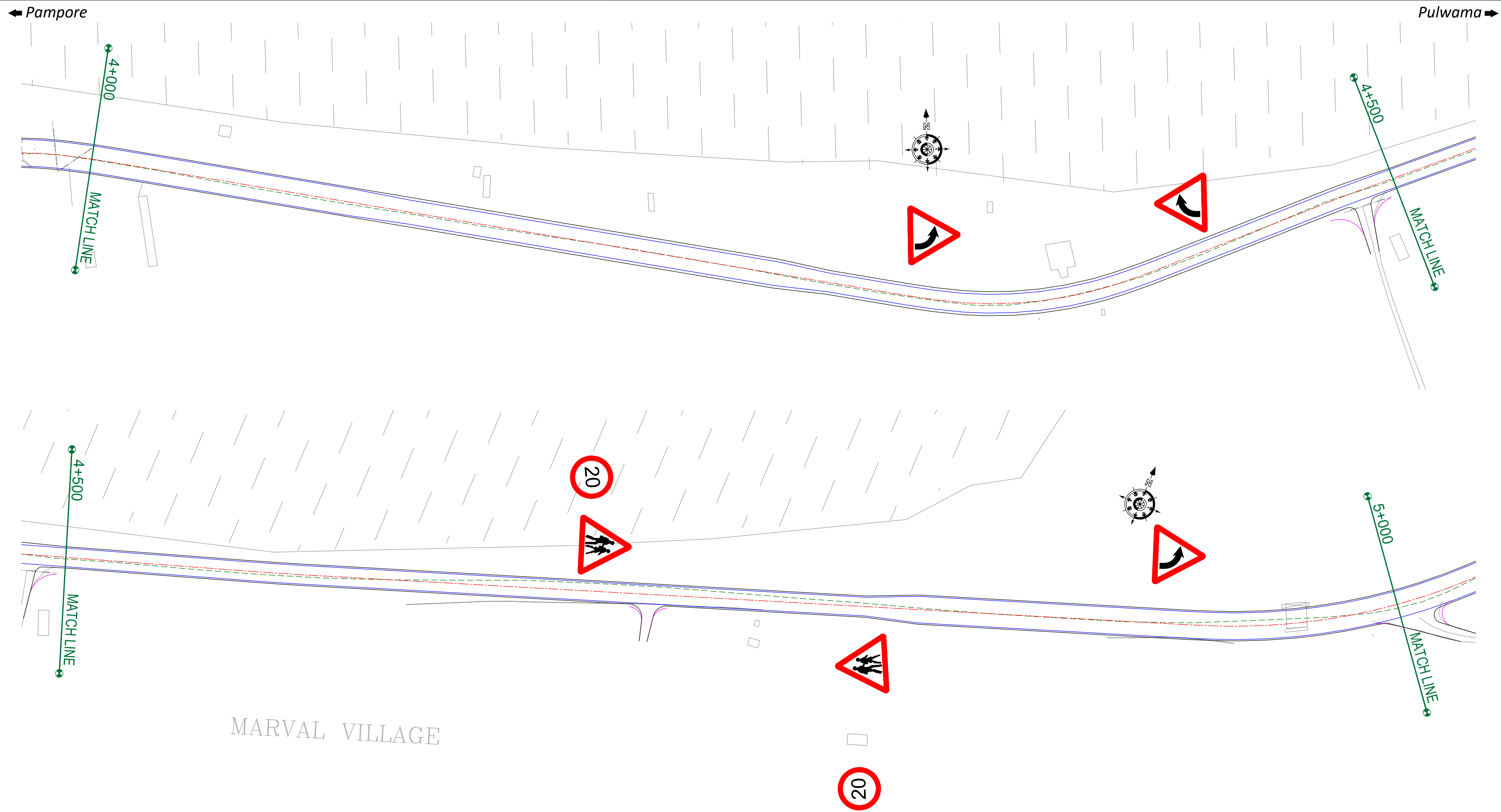
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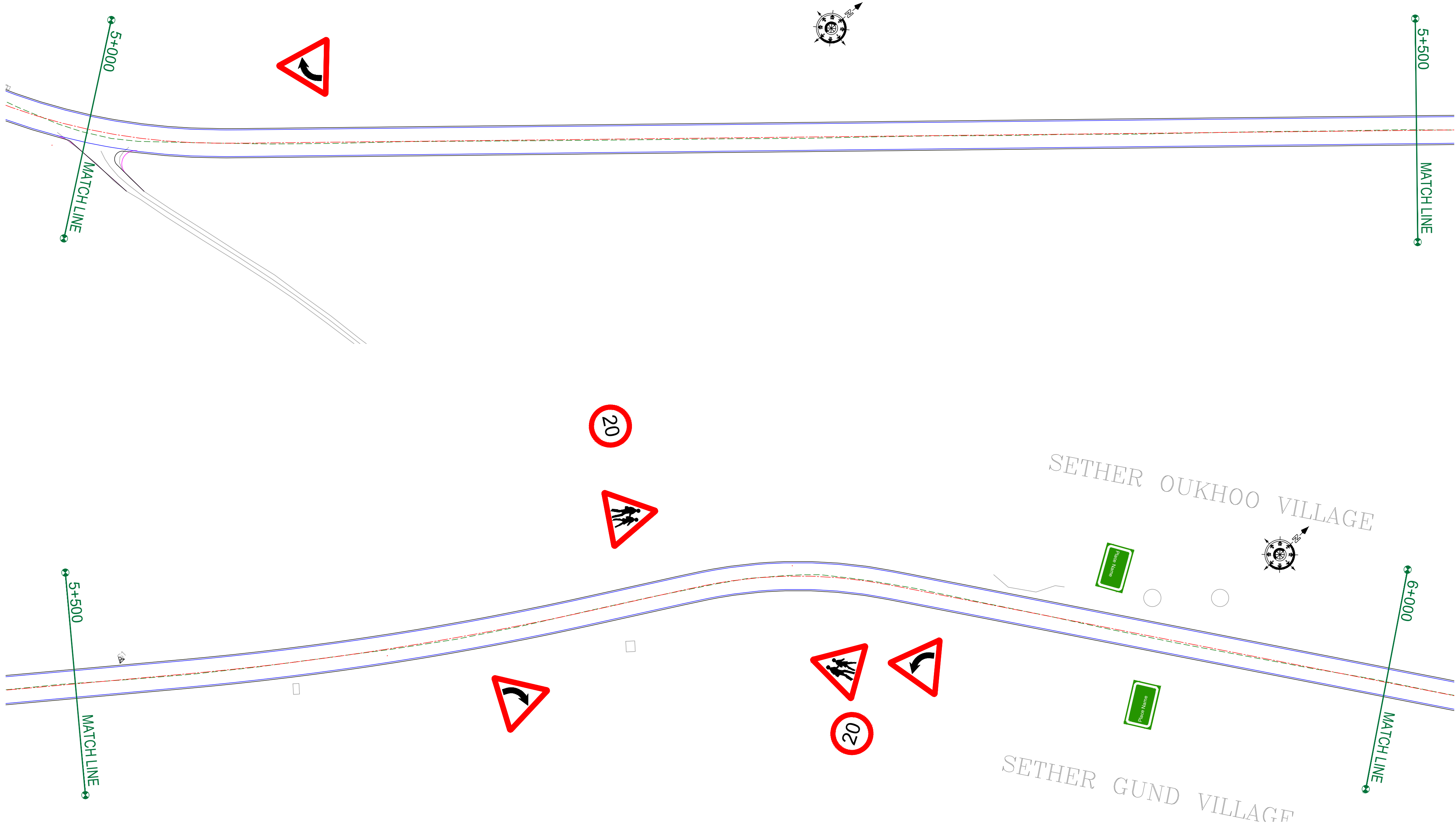


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CLIENT :



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2nd Floor ERA Commercial Complex Rambagh
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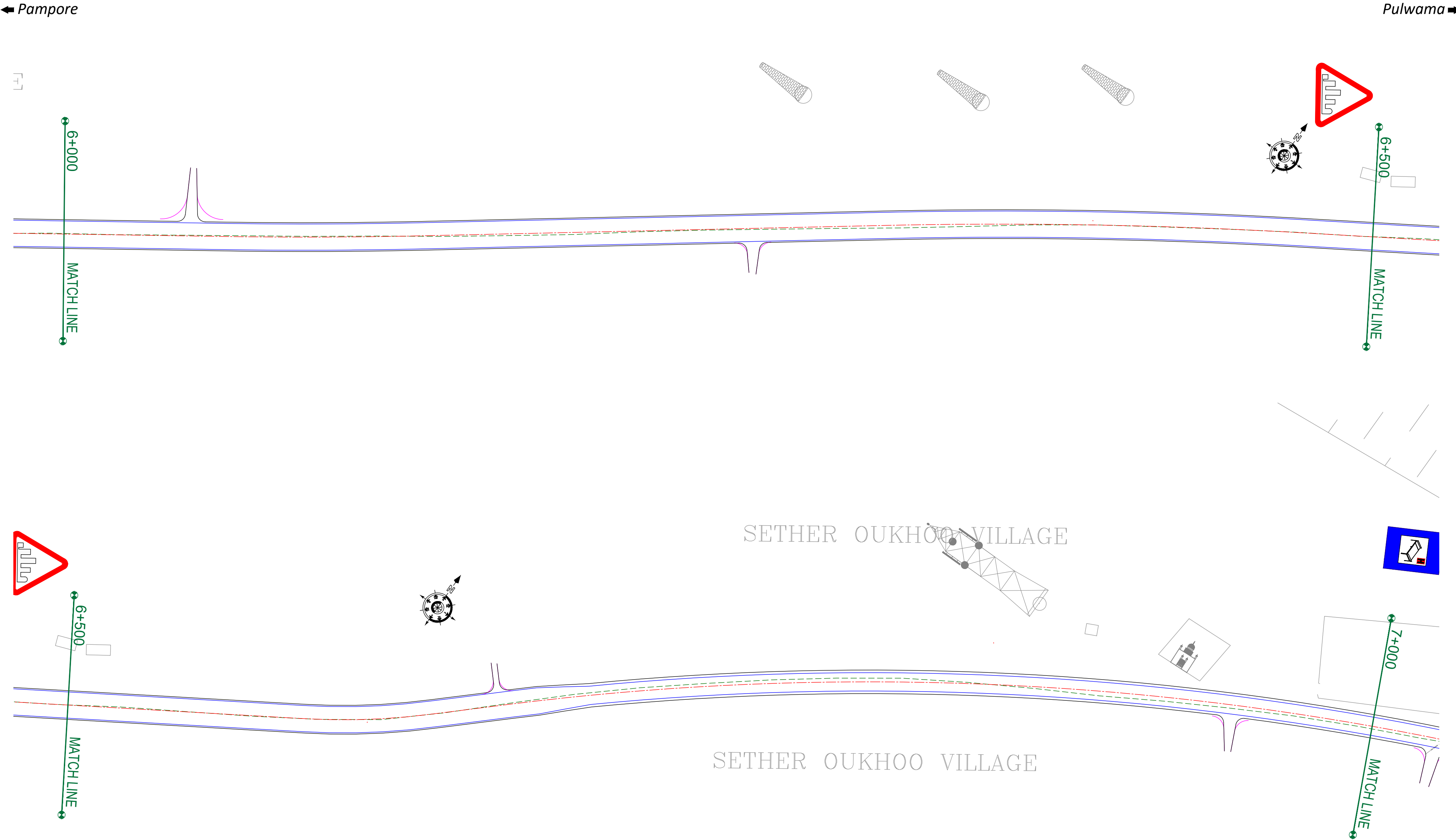
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DRAWN BY :	SD
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APPROVED BY :	KG
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TITLE :	Signage Plan (Ch. 5+000 to Ch. 6+000)
DRG. NO. :	EPTISA/JTFRP/DPR/J&K/SP/06
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CLIENT : 
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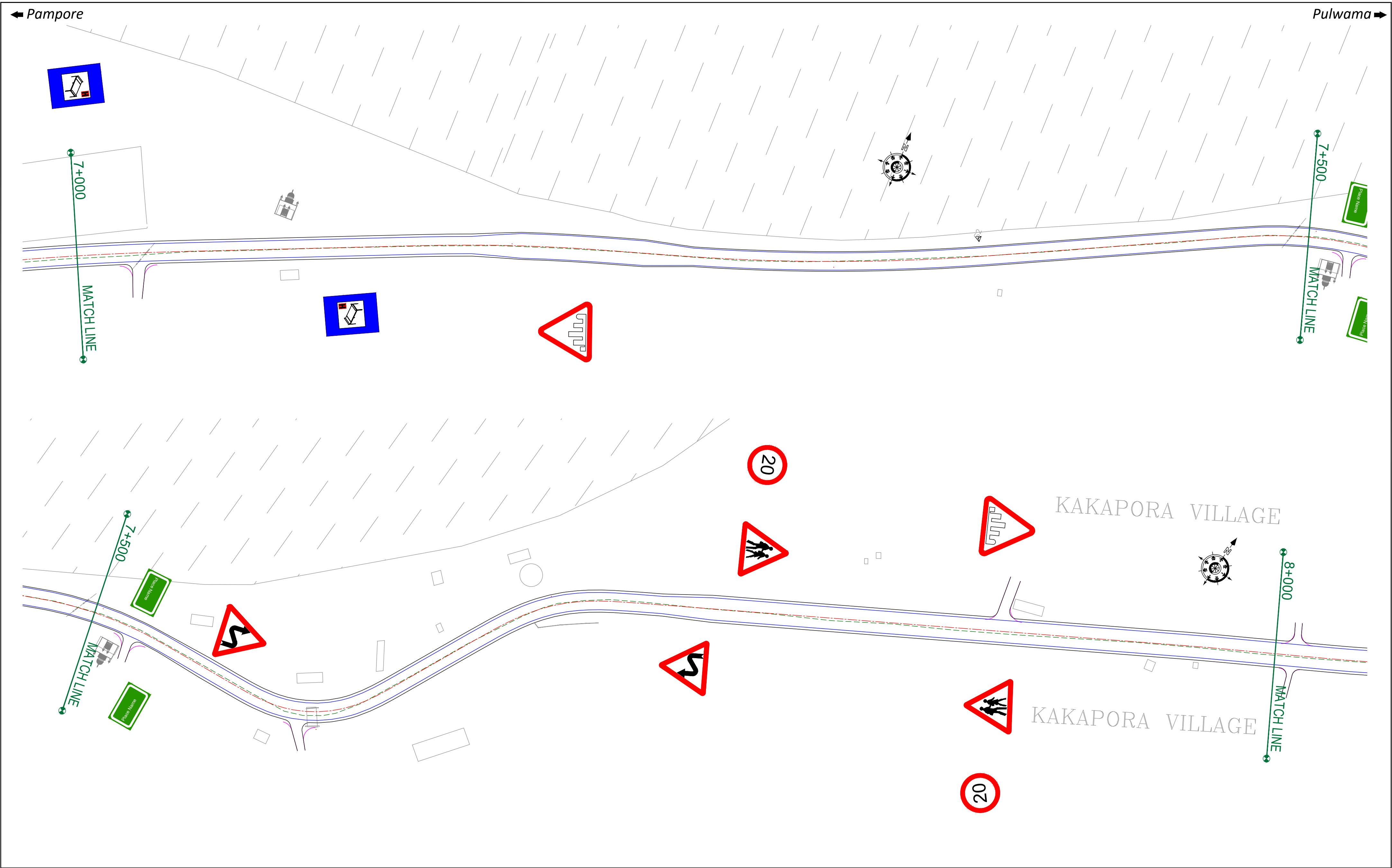
PROJECT :
Consultancy Services for Preparing Detailed Project Report
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(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:
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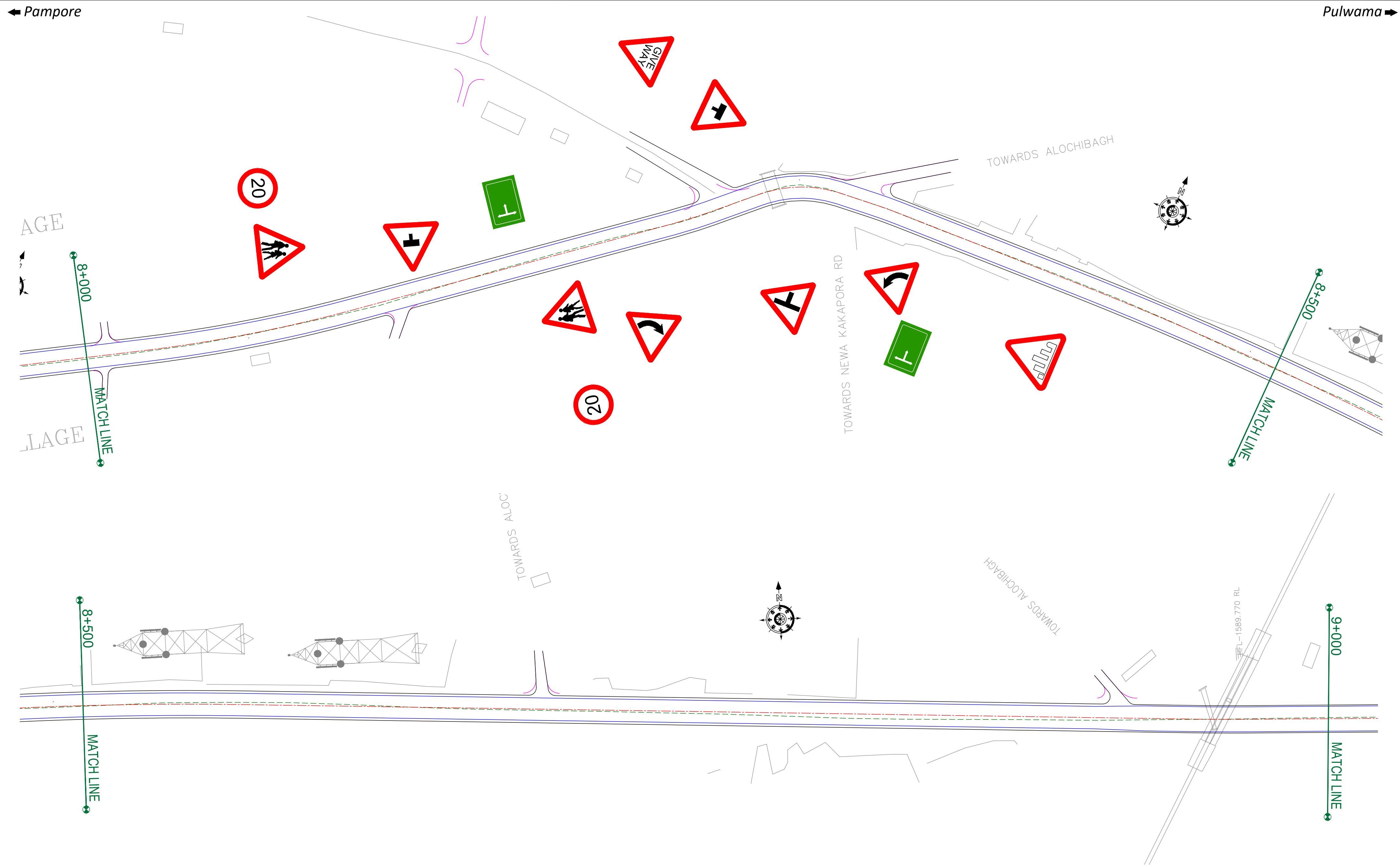
REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	Signage Plan (Ch. 6+000 to Ch. 7+000)
DRG. NO. :	EPTISAJTFRP/DPR/J&K/SP/07
REVISION : R-1	August 2019



CLIENT :		 <p>Jhelum Tawi Flood Recovery Project 2nd Floor ERA Commercial Complex Rambagh Srinagar-190 009.</p>		PROJECT :		Consultancy Services for Preparing Detailed Project Report for the Road and Bridge works in Jammu and Kashmir <u>(Pampore Pulwama Road in Pulwama District)</u>		DESIGN CONSULTANT:		 <p>Servicios de Ingenieria S.L. Unit 1203, 12th Floor, Tower 1, PS Srijan Corporate Park, Plot No. 2, Block EP & GP, Sector v, Salt Lake Kolkata - 700091, West Bengal Ph: 033-40347200 www.eptisa.com</p>		<table><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td>REV.</td><td>DATE</td><td>DESCRIPTION</td></tr></table>														REV.	DATE	DESCRIPTION	<table><tr><td>DRAWN BY :</td><td>SD</td></tr><tr><td>DESIGNED BY :</td><td>SCK/MM</td></tr><tr><td>APPROVED BY :</td><td>KG</td></tr><tr><td>SCALE :</td><td>1:1000</td></tr></table>		DRAWN BY :	SD	DESIGNED BY :	SCK/MM	APPROVED BY :	KG	SCALE :	1:1000	<table><tr><td colspan="2">TITLE :</td></tr><tr><td colspan="2">Signage Plan (Ch. 7+000 to Ch. 8+000)</td></tr><tr><td colspan="2">DRG. NO. : EPTISA/JTRFP/DPR/J&K/SP/08</td></tr><tr><td>REVISION : R-1</td><td>August 2019</td></tr></table>		TITLE :		Signage Plan (Ch. 7+000 to Ch. 8+000)		DRG. NO. : EPTISA/JTRFP/DPR/J&K/SP/08		REVISION : R-1	August 2019
REV.	DATE	DESCRIPTION																																														
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Signage Plan (Ch. 7+000 to Ch. 8+000)																																																
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CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
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PROJECT :

Consultancy Services for Preparing Detailed Project Report
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DESIGN CONSULTANT:



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REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

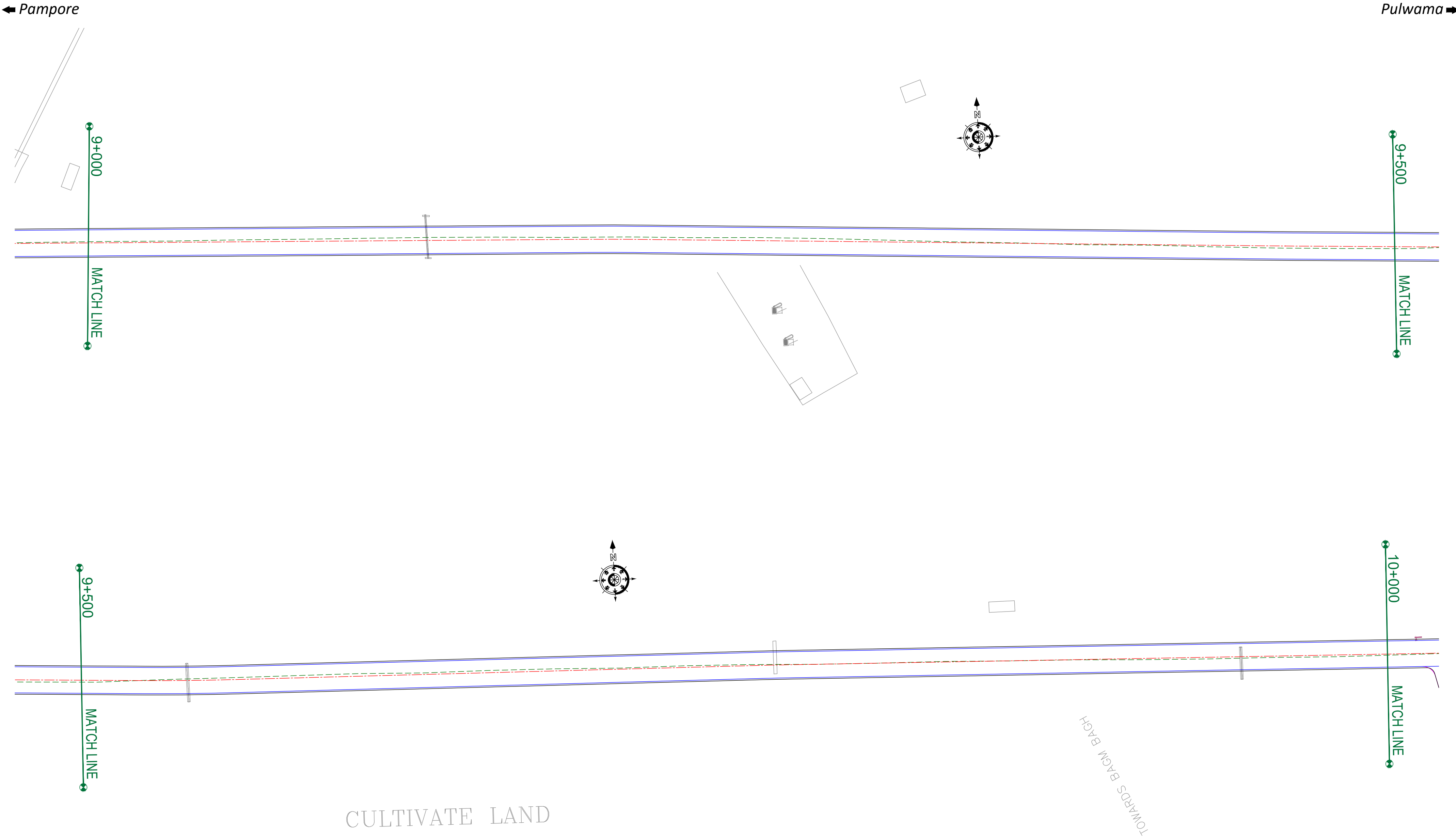
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TITLE :
Signage Plan
(Ch. 8+000 to Ch. 9+000)

DRG. NO. : EPTISA/JTFRP/DPR/J&K/SP/09

REVISION : R-1

August 2019



CLIENT :



JHELUM & TAWI
FLOOD RECOVERY PROJECT

Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

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REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE : 1:1000

TITLE :

Signage Plan
(Ch. 9+000 to Ch. 10+000)

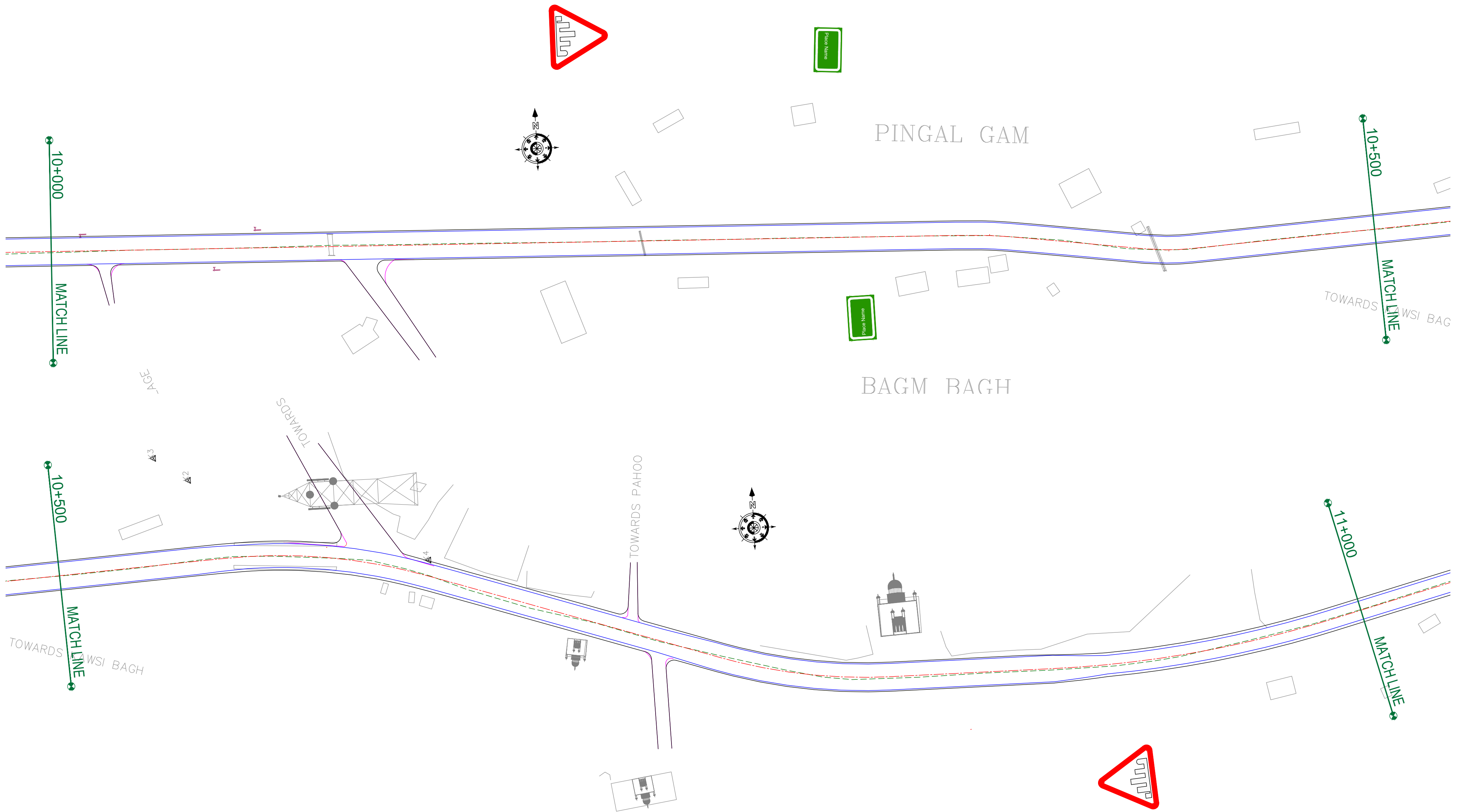
DRG. NO. : EPTISA/JTFRP/DPR/J&K/SP/10

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August 2019

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CLIENT :



Jhelum & Tawi
FLOOD RECOVERY PROJECT

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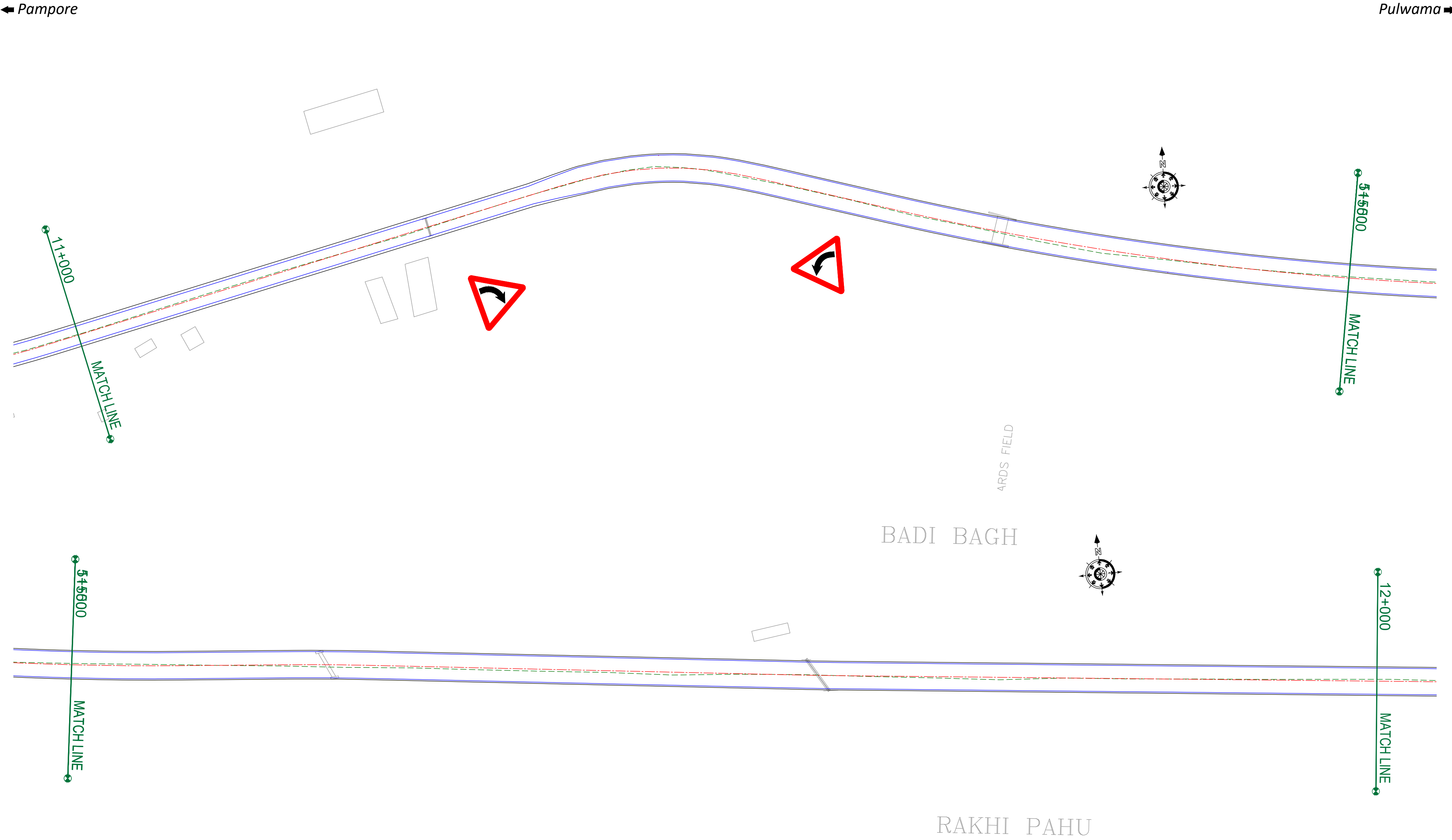


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TITLE :	Signage Plan (Ch. 10+000 to Ch. 11+000)
DRG. NO. :	EPTISA/JTRFP/DPR/J&K/SP/11
REVISION : R-1	August 2019



CLIENT :



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Srinagar-190 009.

PROJECT :

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REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE : 1:1000

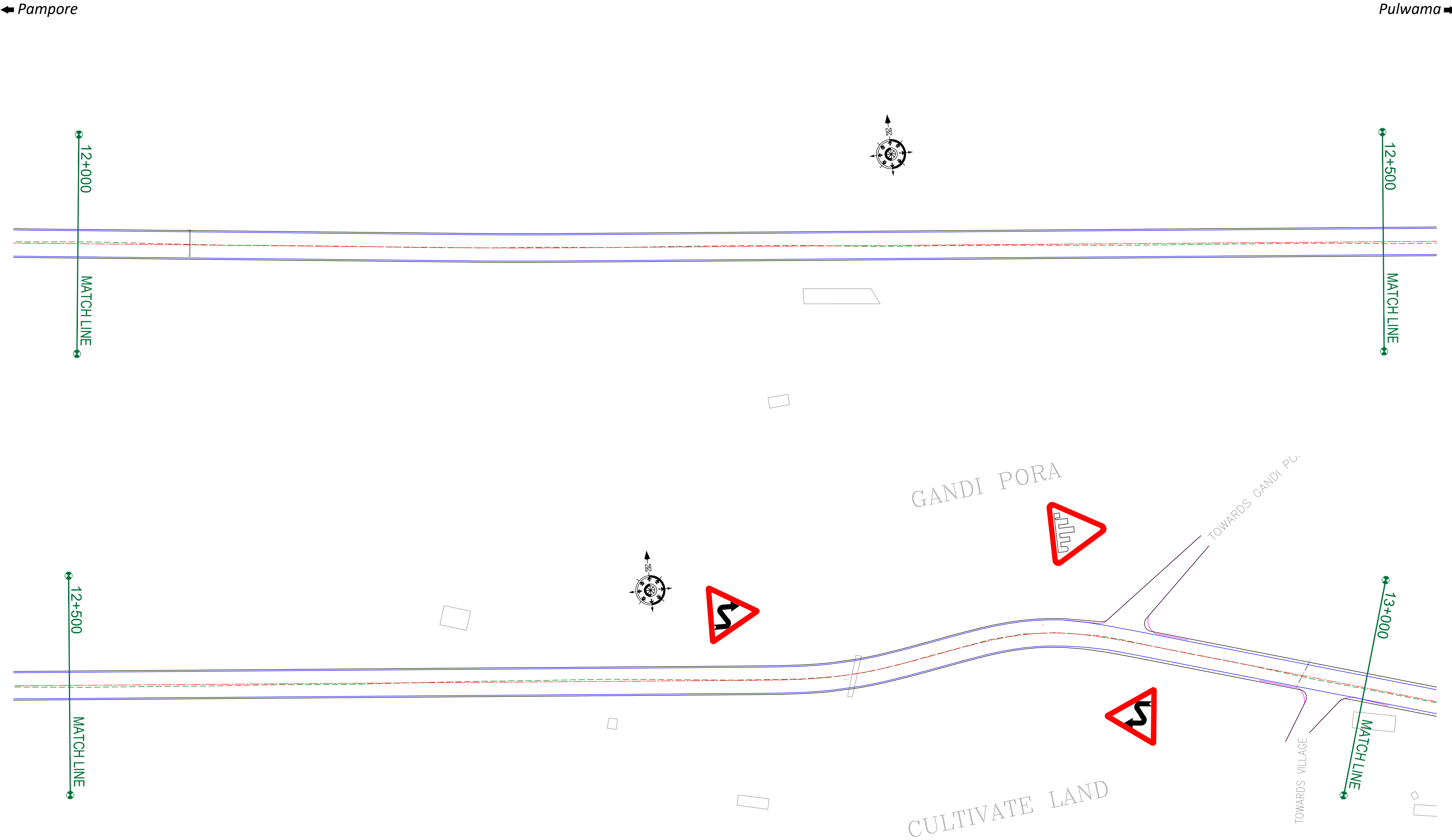
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Signage Plan
(Ch. 11+000 to Ch. 12+000)

DRG. NO. : EPTISA/JTRFP/DPR/J&K/SP/12

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APPROVED BY :	KG
SCALE :	1:1000

TITLE :	Signage Plan (Ch. 12+000 to Ch. 13+000)
DRG. NO. :	EPTISA/JTFRP/DPR/J&K/SP/13
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Srinagar-190 009.

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DESIGN CONSULTANT:



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REV.	DATE	DESCRIPTION

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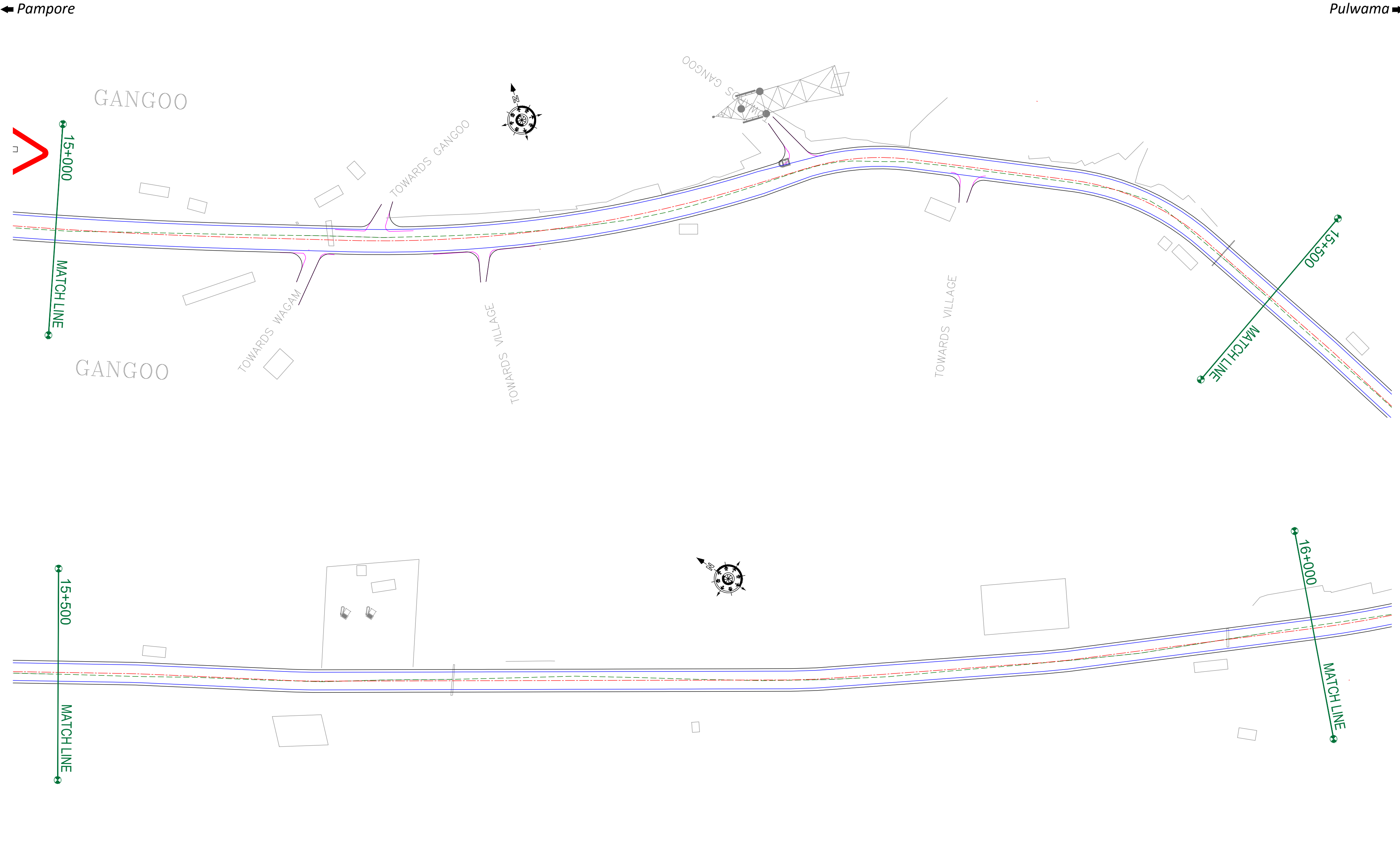
Signage Plan

(Ch. 14+000 to Ch. 15+000)

DRG. NO.: EPTISA/JTFRP/DPR/J&K/SP/15

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August 2019



CLIENT :



Jhelum & Tawi
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REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE : 1:1000

TITLE :

Signage Plan
(Ch. 15+000 to Ch. 16+000)

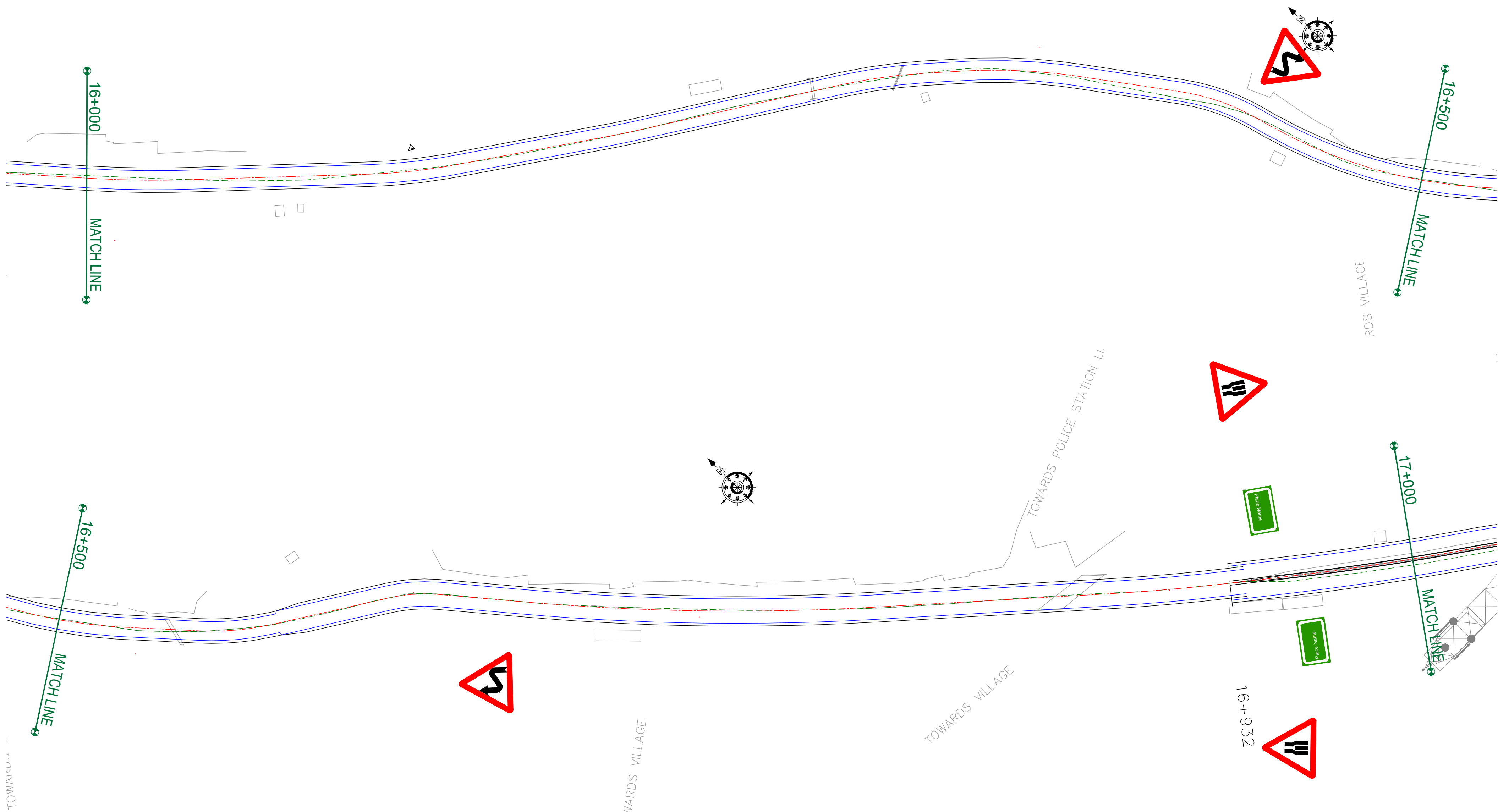
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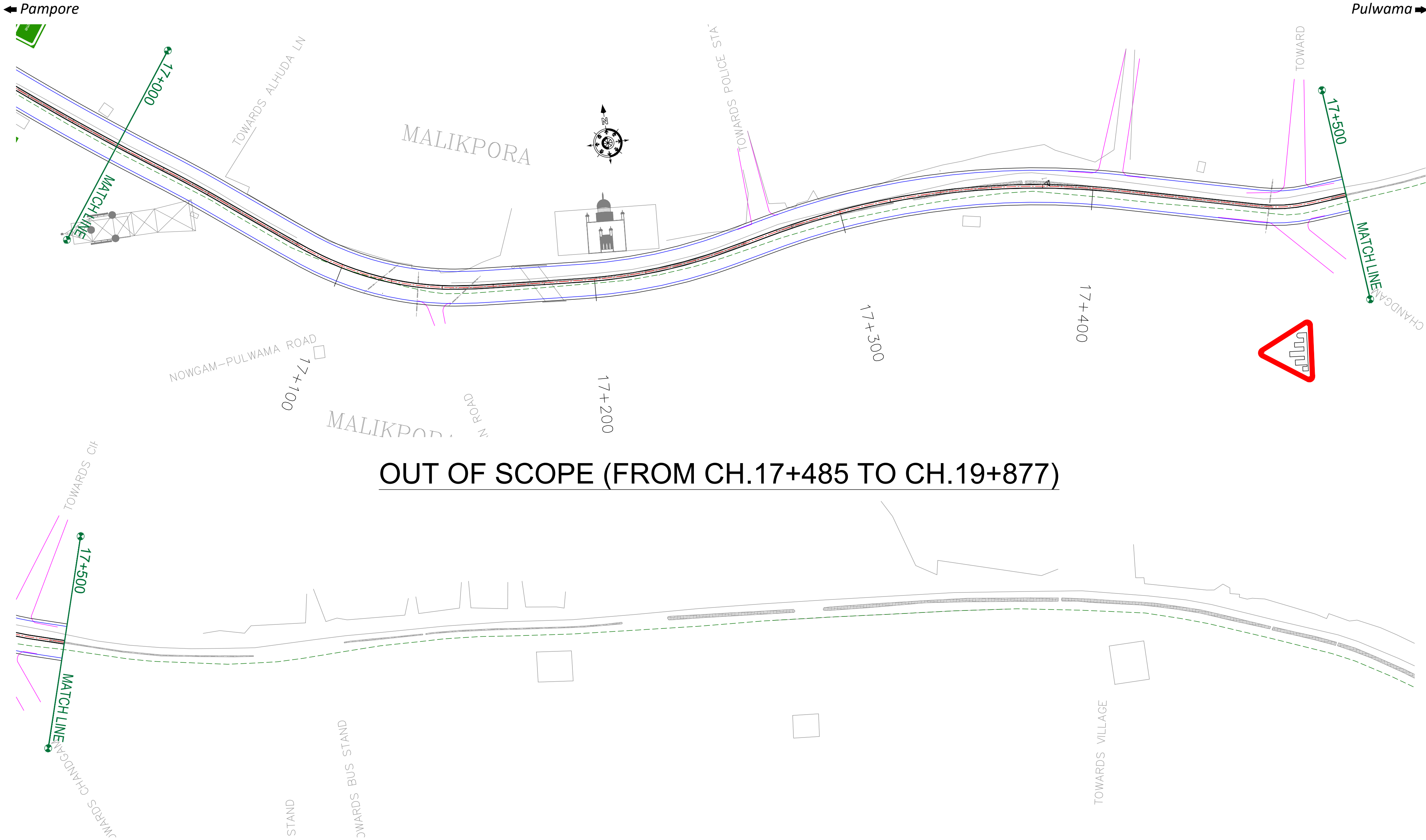


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DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	Signage Plan (Ch. 16+000 to Ch. 17+000)
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Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :
Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:
 **Servicios de Ingenieria S.L.**
Unit 1203, 12th Floor, Tower 1, PS Srijan
Corporate Park, Plot No. 2, Block EP & GP,
Sector v, Salt Lake Kolkata - 700091,
West Bengal
Ph: 033-40347200
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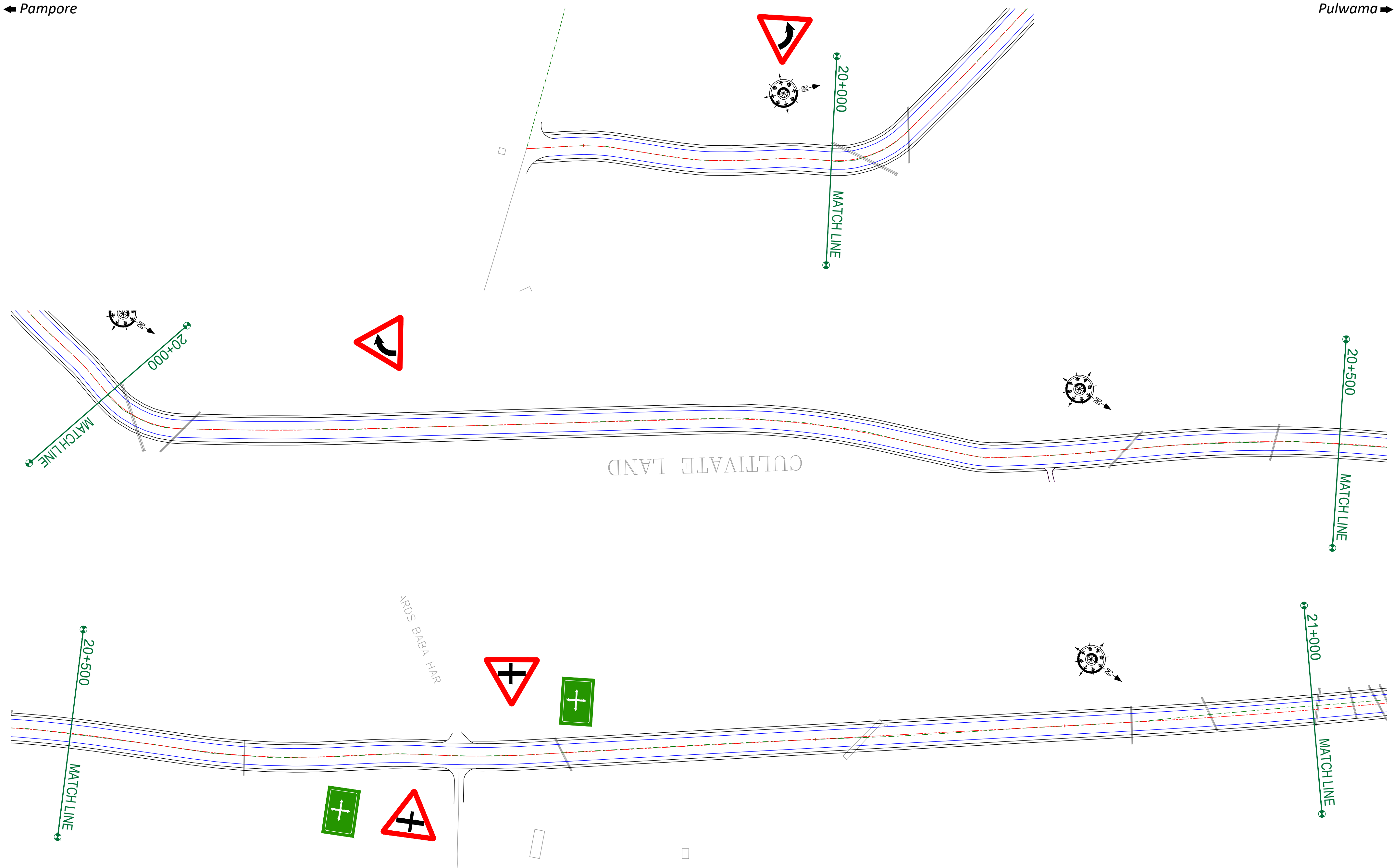
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DESIGNED BY : SCK/MM
APPROVED BY : KG
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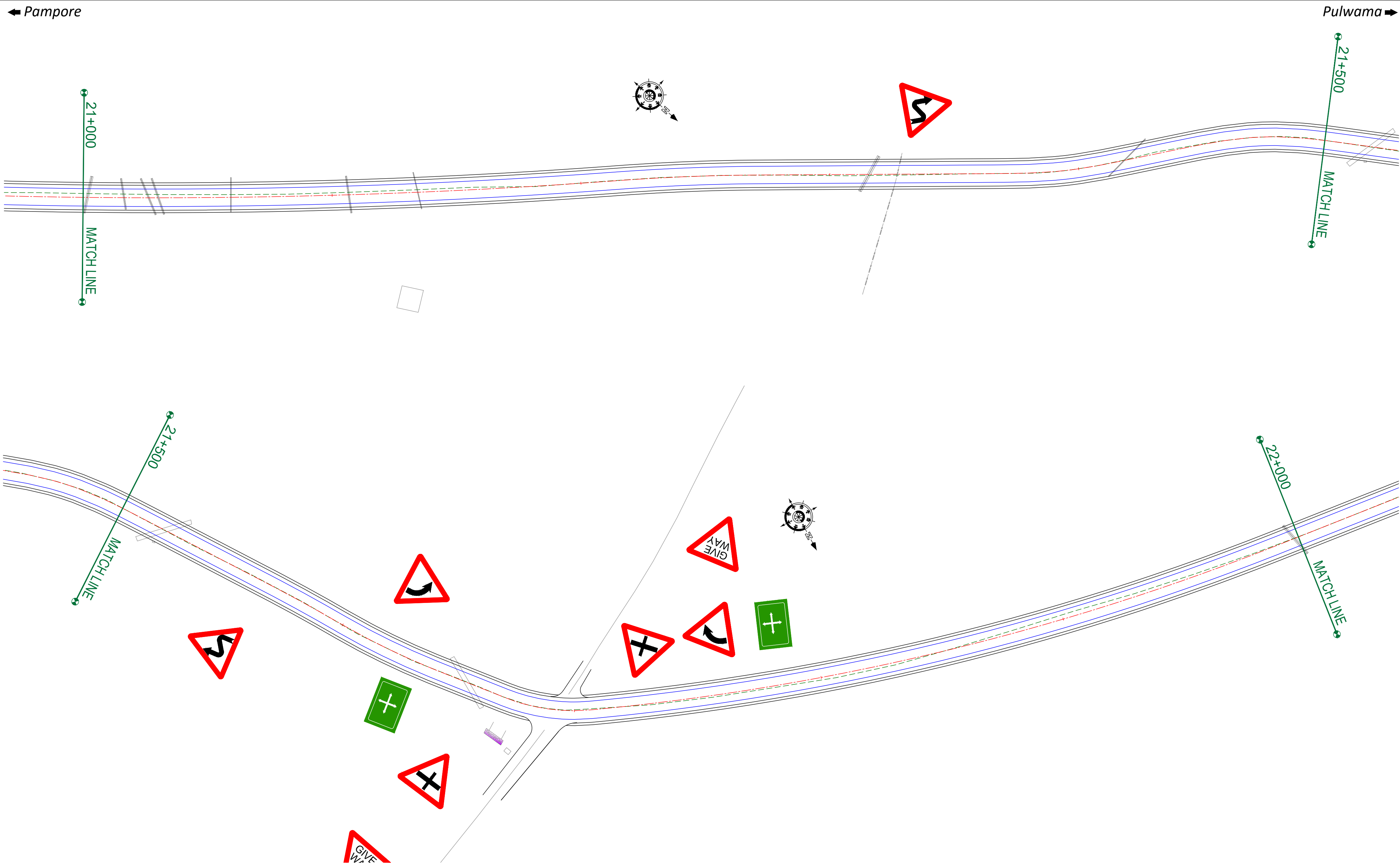
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Signage Plan
(Ch. 17+000 to Ch. 17+500)
DRG. NO. : EPTISA/JTRFP/DPR/J&K/SP/18
REVISION : R-1
August 2019

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CLIENT :  Jhelum Tawi Flood Recovery Project 2nd Floor ERA Commercial Complex Rambagh Srinagar-190 009.	PROJECT : Consultancy Services for Preparing Detailed Project Report for the Road and Bridge works in Jammu and Kashmir <u>(Pampore Pulwama Road in Pulwama District)</u>	DESIGN CONSULTANT:  Servicios de Ingenieria S.L. Unit 1203, 12th Floor, Tower 1, PS Srijan Corporate Park, Plot No. 2, Block EP & GP, Sector v, Salt Lake Kolkata - 700091, West Bengal Ph: 033-40347200 www.eptisa.com				DRAWN BY : SD	TITLE : Signage Plan (Ch. 19+877 to Ch. 21+000) DRG. NO. : EPTISA/JTFRP/DPR/J&K/SP/19 REVISION : R-1 August 2019
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CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
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DESIGN CONSULTANT:

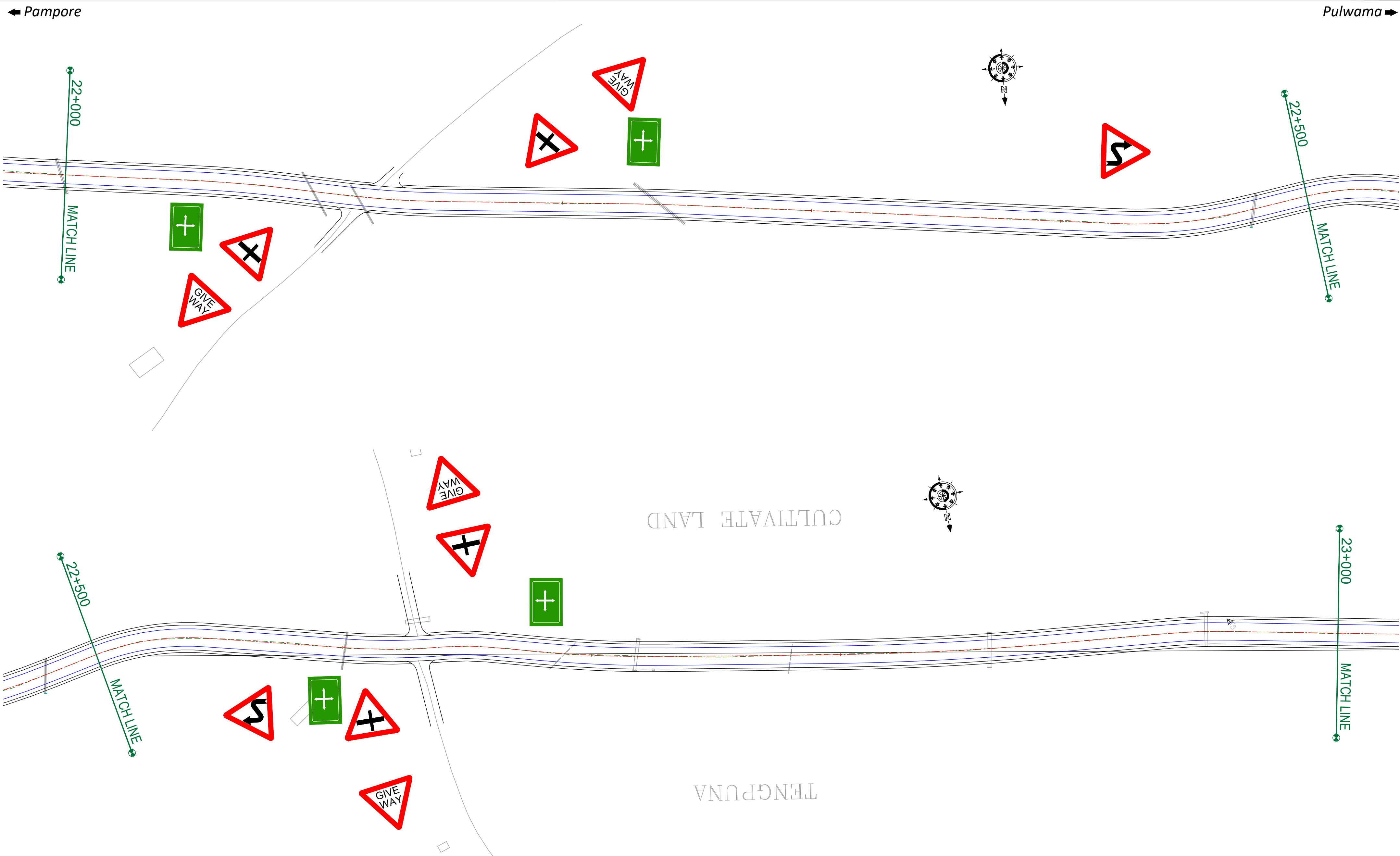


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REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	Signage Plan (Ch. 21+000 to Ch. 22+000)
DRG. NO. :	EPTISA/JTFRP/DPR/J&K/SP/20
REVISION : R-1	August 2019



CLIENT :



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REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE : 1:1000

TITLE :
Signage Plan
(Ch. 22+000 to Ch. 23+000)

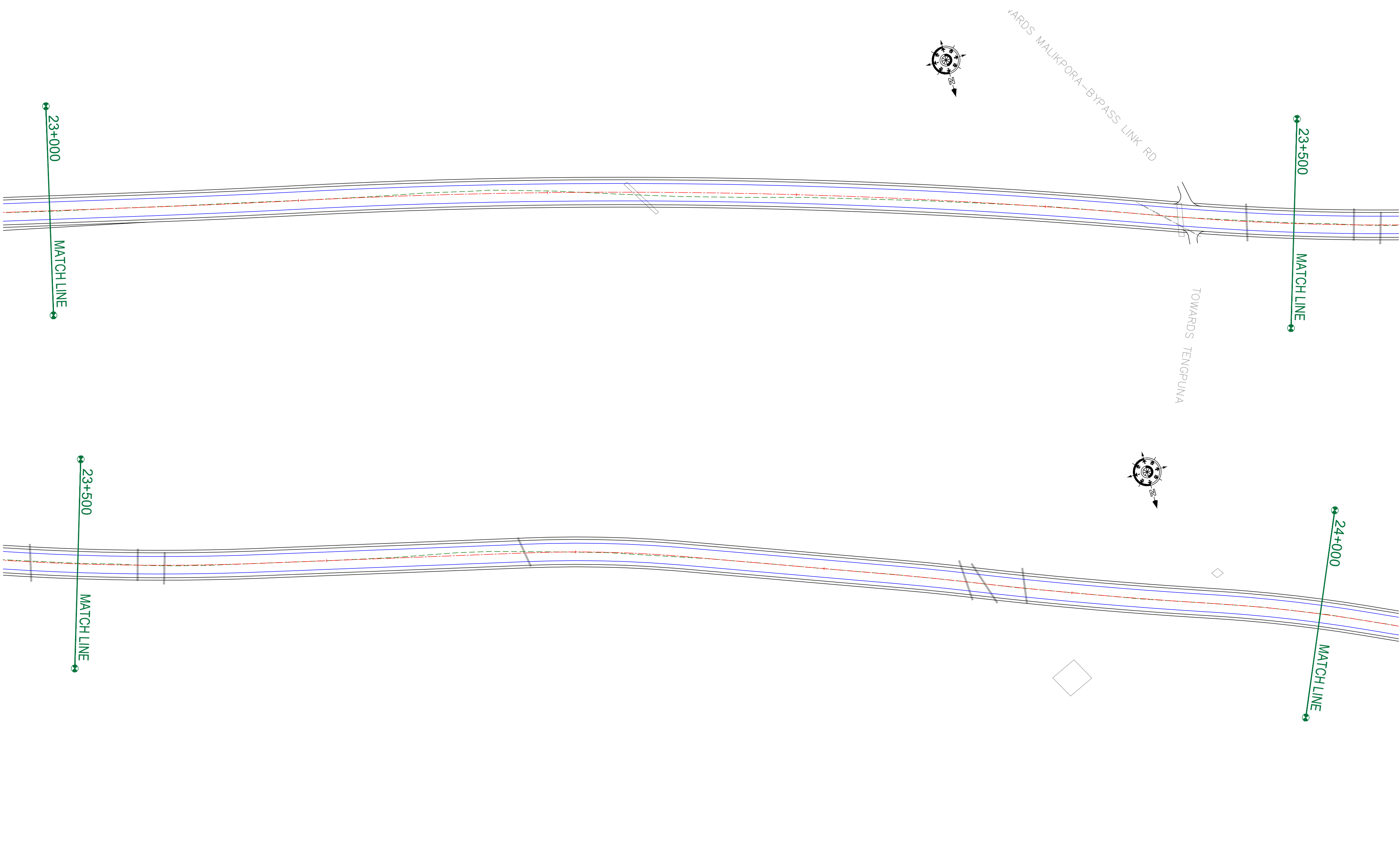
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August 2019

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DESIGNED BY : SCK/MM

APPROVED BY : KG

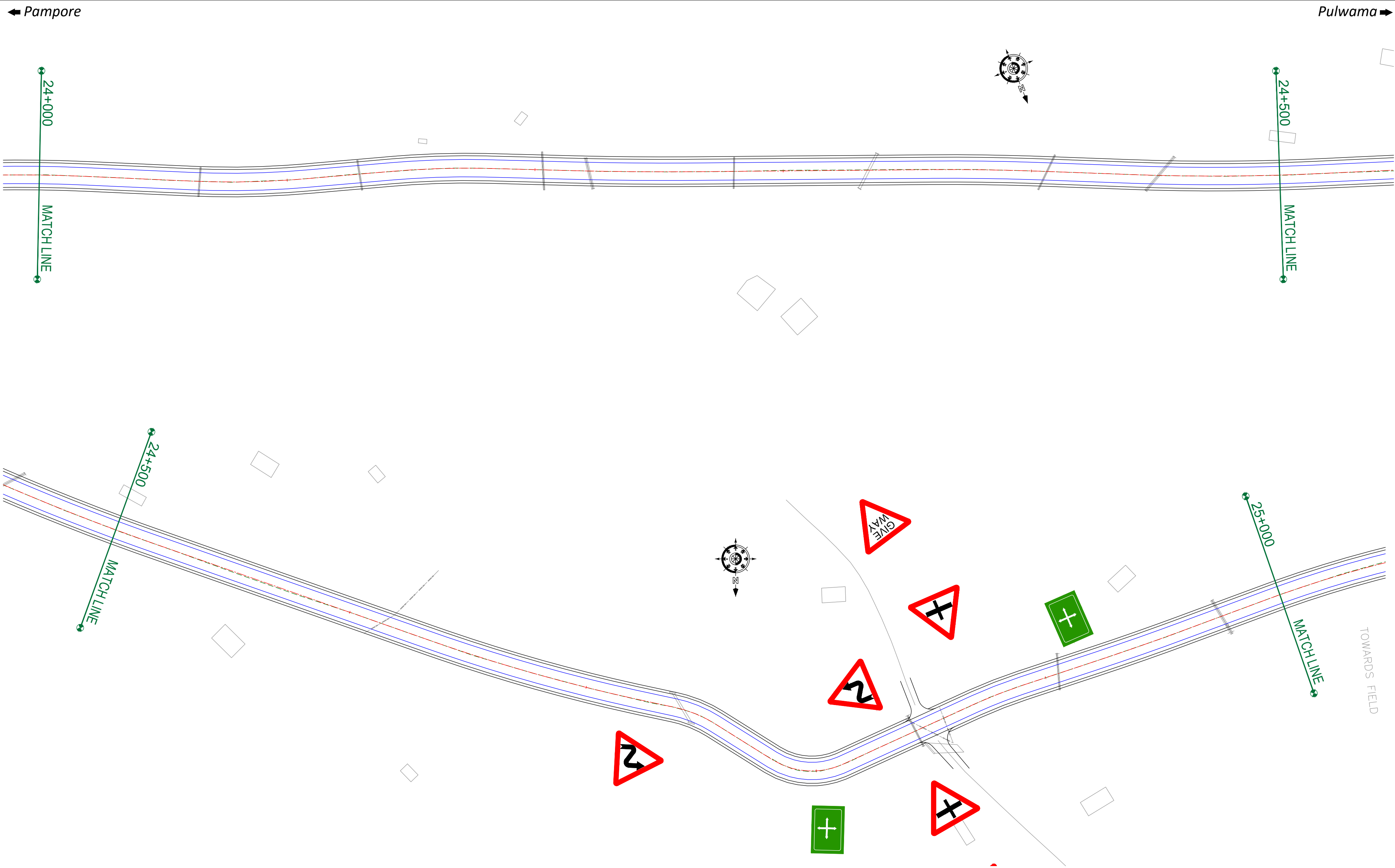
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(Ch. 23+000 to Ch. 24+000)

DRG. NO. : EPTISAJTFRP/DPR/J&K/SP/22

REVISION : R-1

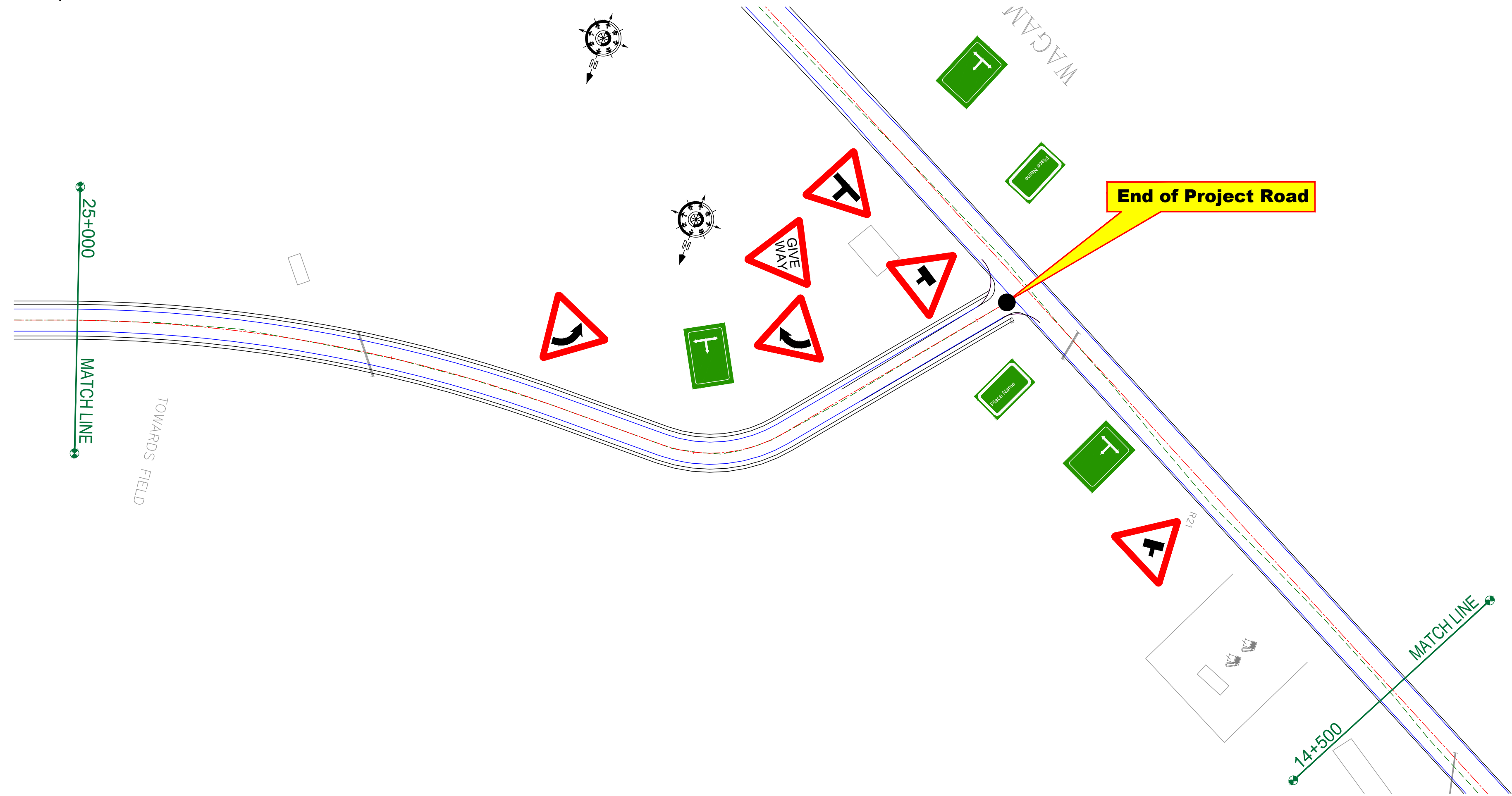
August 2019



<div>CLIENT :</div> <div><p>Jhelum Tawi Flood Recovery Project 2nd Floor ERA Commercial Complex Rambagh Srinagar-190 009.</p></div>	<div>PROJECT :</div> <div>Consultancy Services for Preparing Detailed Project Report for the Road and Bridge works in Jammu and Kashmir <u>(Pampore Pulwama Road in Pulwama District)</u></div>	<div>DESIGN CONSULTANT:</div> <div><p>Servicios de Ingenieria S.L. Unit 1203, 12th Floor, Tower 1, PS Srijan Corporate Park, Plot No. 2, Block EP & GP, Sector v, Salt Lake Kolkata - 700091, West Bengal Ph: 033-40347200 www.eptisa.com</p></div>				DRAWN BY : SD	TITLE : Signage Plan (Ch. 24+000 to Ch. 25+000)	
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			REV.	DATE	DESCRIPTION			

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DESIGN CONSULTANT:



Servicios de Ingenieria S.L.

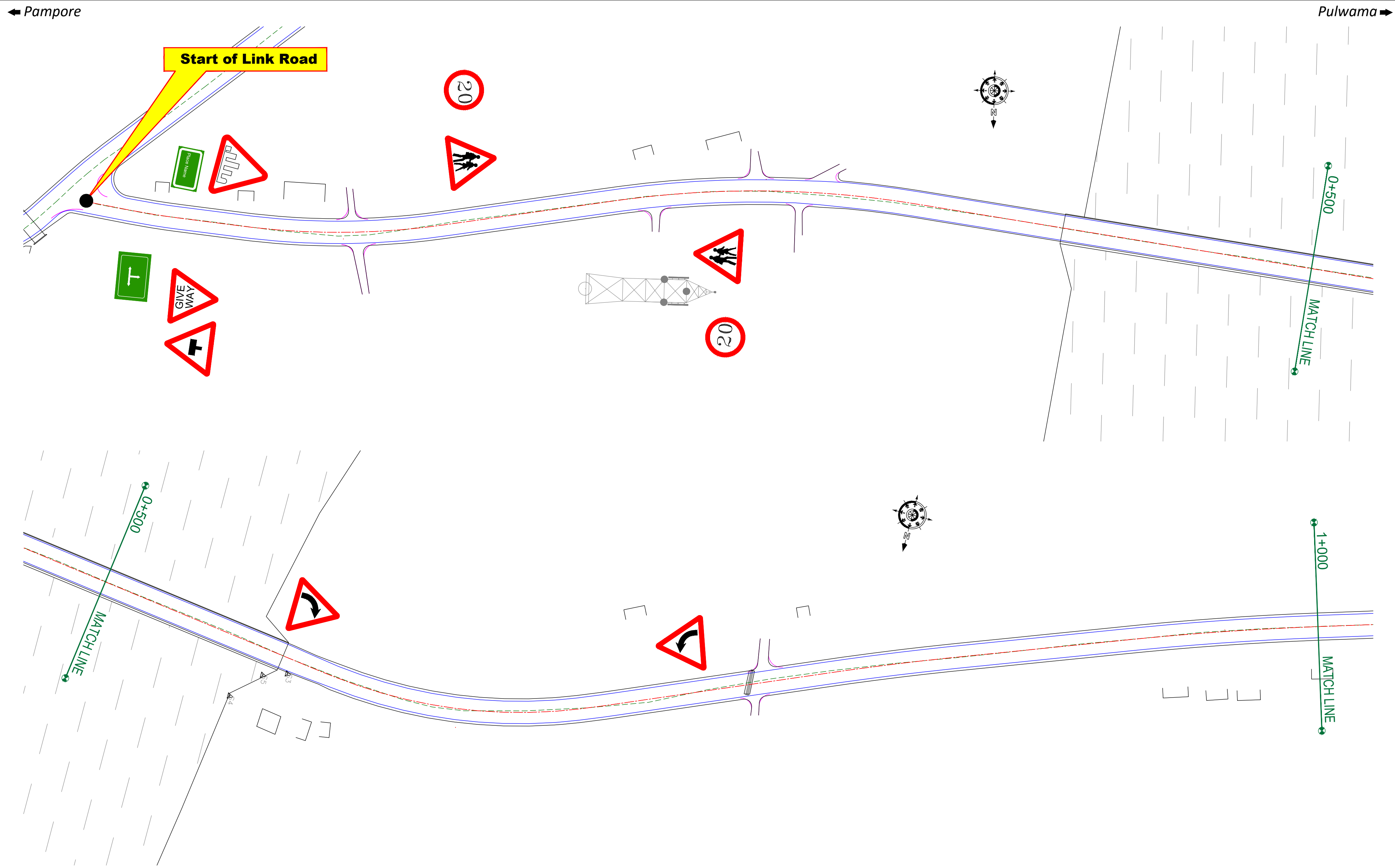
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Corporate Park, Plot No. 2, Block EP & GP,
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REV.	DATE	DESCRIPTION

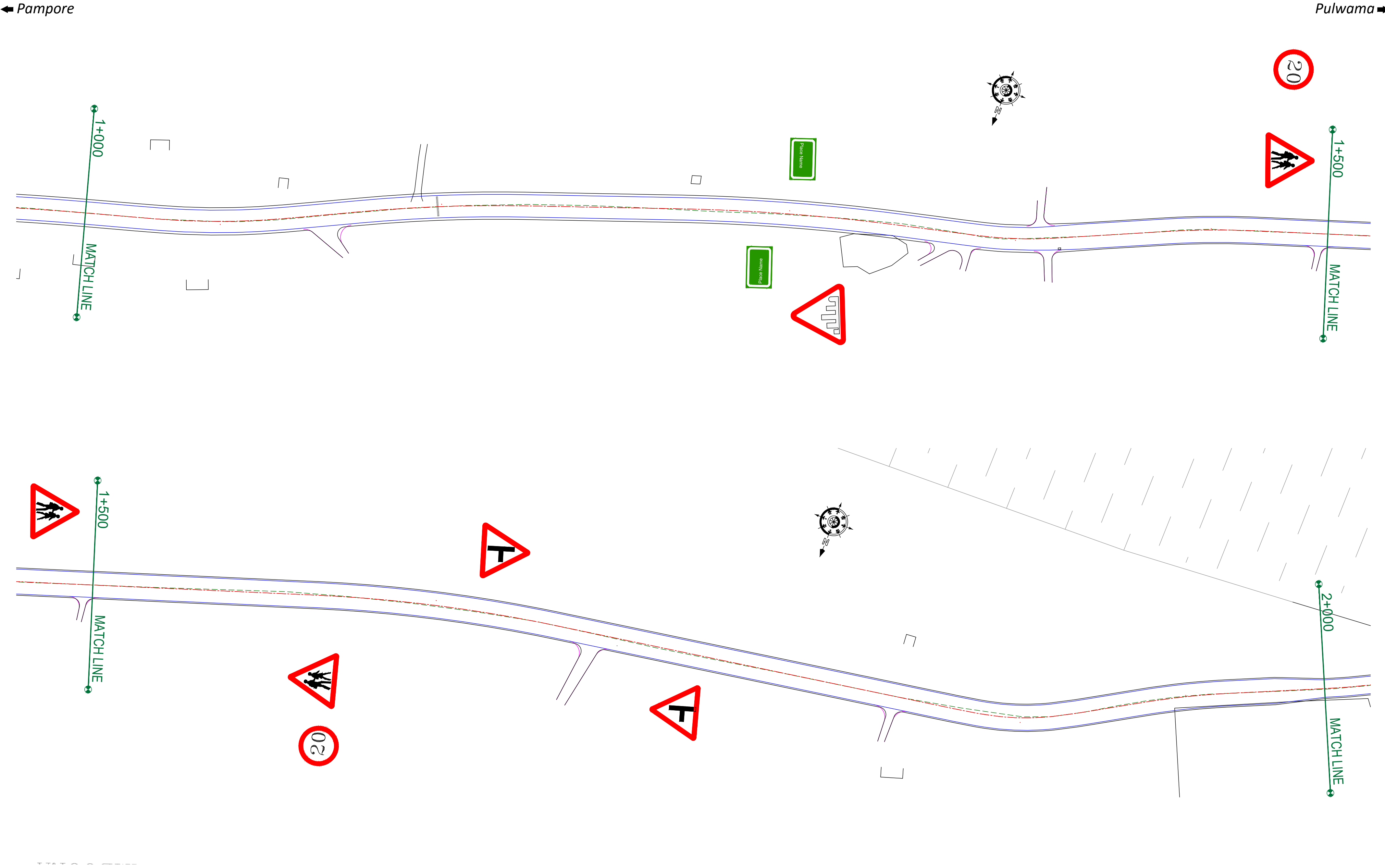
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APPROVED BY :	KG
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TITLE :	Signage Plan (Ch. 25+000 to Ch. 25+310)
DRG. NO. :	EPTISA/JTFRP/DPR/J&K/SP/24
REVISION : R-1	August 2019

≡ SIGNAGE PLAN (LINK ROAD) ≡



CLIENT :  Jhelum Tawi Flood Recovery Project 2nd Floor ERA Commercial Complex Rambagh Srinagar-190 009.	PROJECT : Consultancy Services for Preparing Detailed Project Report for the Road and Bridge works in Jammu and Kashmir <u>(Pampore Pulwama Road in Pulwama District)</u>	DESIGN CONSULTANT:  servicios de Ingenieria S.L. Unit 1203, 12th Floor, Tower 1, PS Srijan Corporate Park, Plot No. 2, Block EP & GP, Sector v, Salt Lake Kolkata - 700091, West Bengal Ph: 033-40347200 www.eptisa.com	<table border="1"><tr><td>REV.</td><td>DATE</td><td>DESCRIPTION</td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></table>	REV.	DATE	DESCRIPTION										<table border="1"><tr><td>DRAWN BY :</td><td>SD</td></tr><tr><td>DESIGNED BY :</td><td>SCK/MM</td></tr><tr><td>APPROVED BY :</td><td>KG</td></tr><tr><td>SCALE :</td><td>1:1000</td></tr></table>	DRAWN BY :	SD	DESIGNED BY :	SCK/MM	APPROVED BY :	KG	SCALE :	1:1000	<table border="1"><tr><td colspan="2">TITLE : Signage Plan (Link Road) (Ch. 0+000 to Ch. 1+000)</td></tr><tr><td colspan="2">DRG. NO. : EPTISA/JTFRP/DPR/J&K/SP/01</td></tr><tr><td>REVISION : R-1</td><td>August 2019</td></tr></table>	TITLE : Signage Plan (Link Road) (Ch. 0+000 to Ch. 1+000)		DRG. NO. : EPTISA/JTFRP/DPR/J&K/SP/01		REVISION : R-1	August 2019
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DRAWN BY :	SD																														
DESIGNED BY :	SCK/MM																														
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DRG. NO. : EPTISA/JTFRP/DPR/J&K/SP/01																															
REVISION : R-1	August 2019																														



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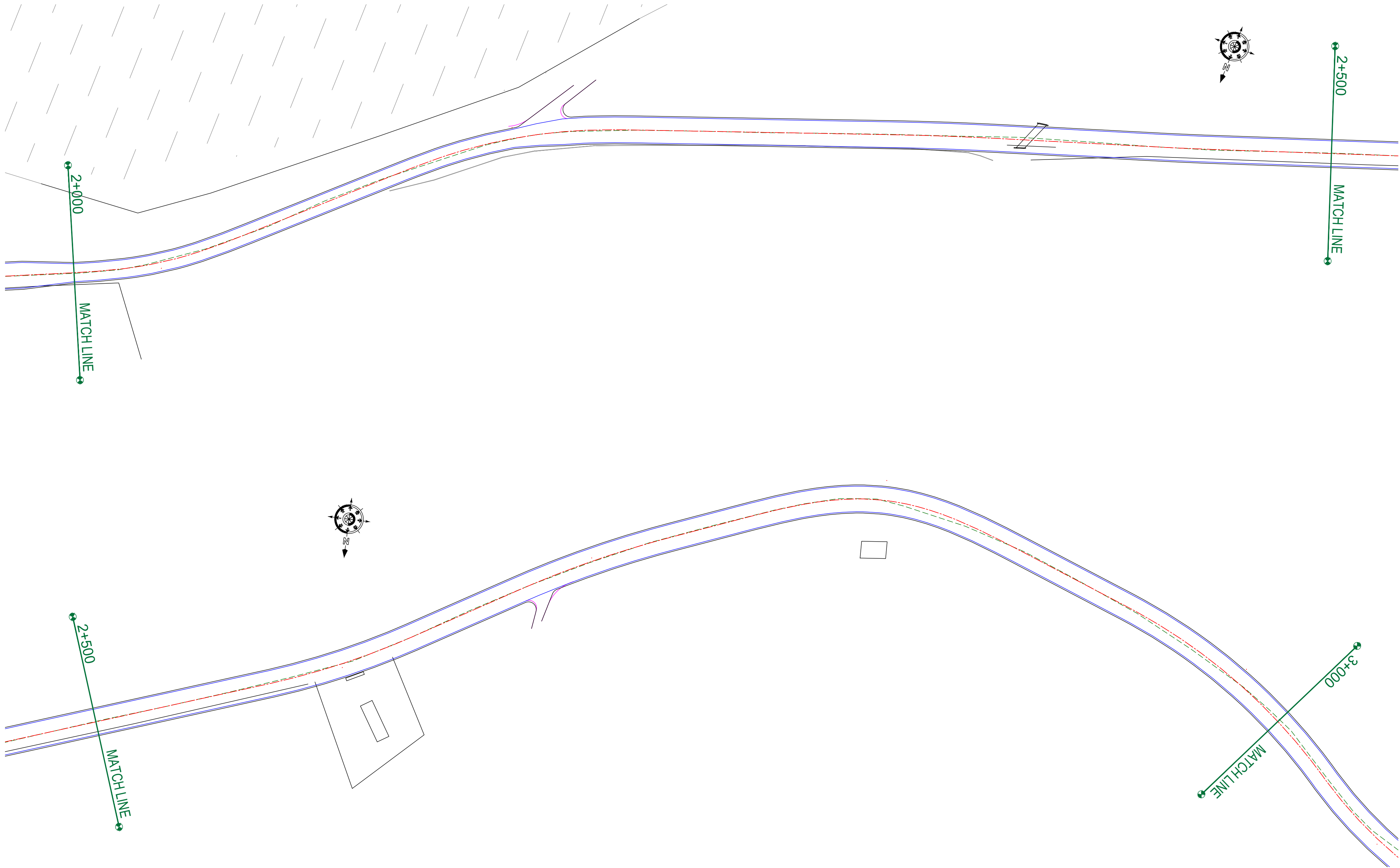
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DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE : Signage Plan (Link Road) (Ch. 1+000 to Ch. 2+000)	
DRG. NO. : EPTISA/JTFRP/DPR/J&K/SP/02	
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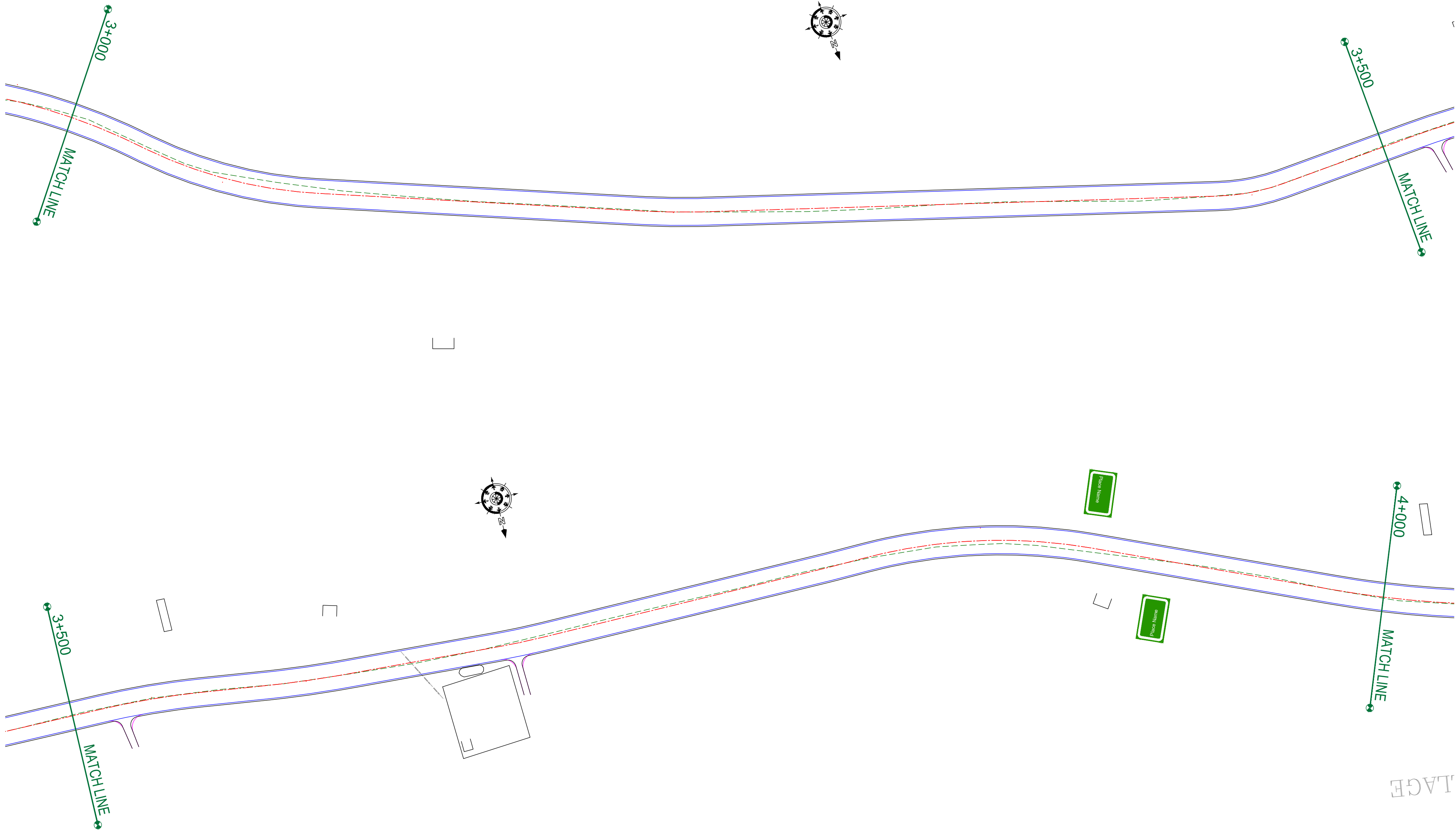
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TITLE :	Signage Plan (Link Road) (Ch. 2+000 to Ch. 3+000)
DRG. NO. :	EPTISA/JTFRP/DPR/J&K/SP/03
REVISION : R-1	August 2019

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PROJECT :

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REV.	DATE	DESCRIPTION

DRAWN BY : SD

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APPROVED BY : KG

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Signage Plan (Link Road)
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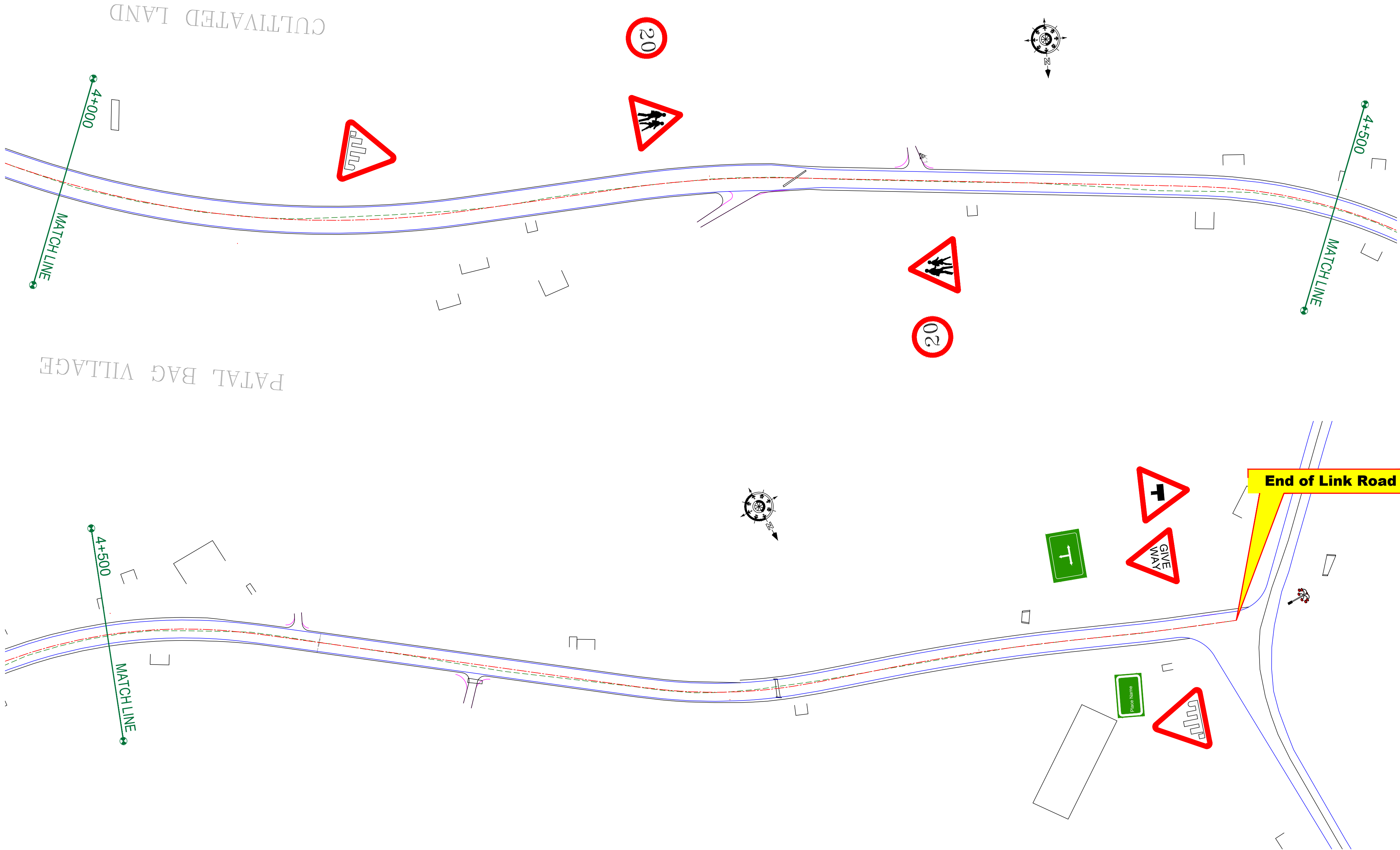
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REV.	DATE	DESCRIPTION

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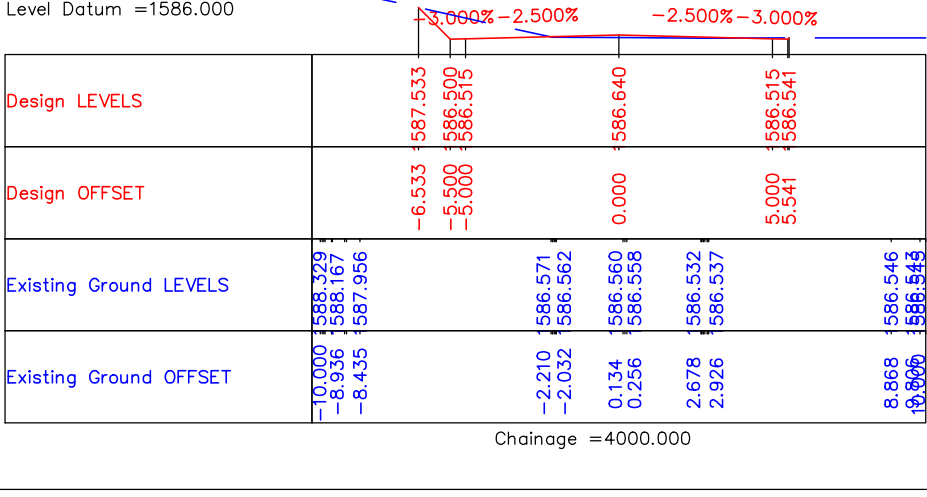
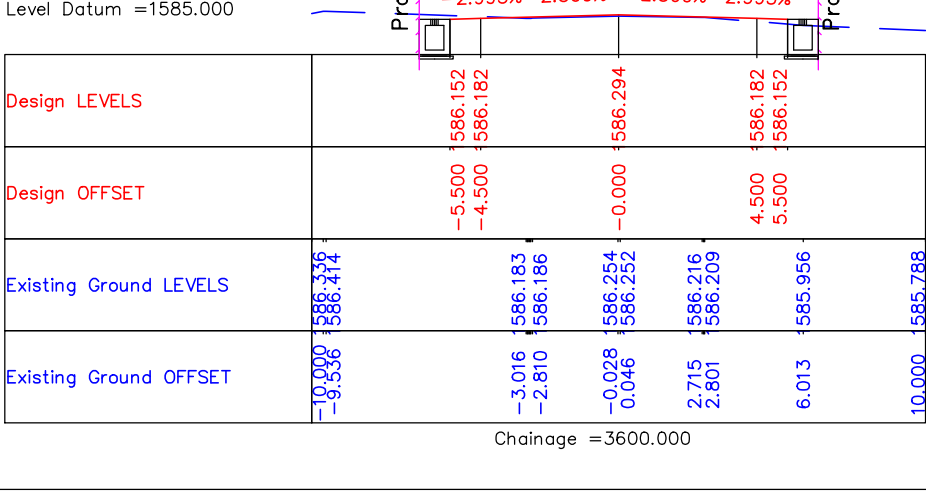
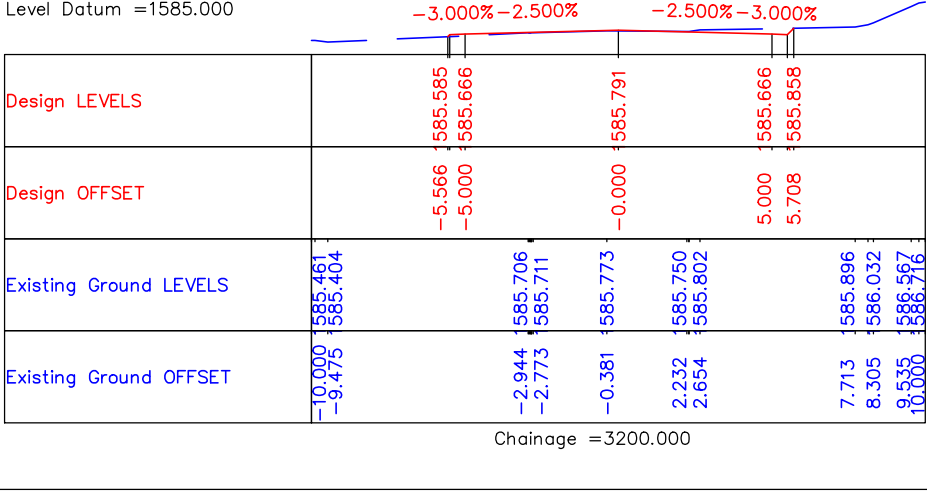
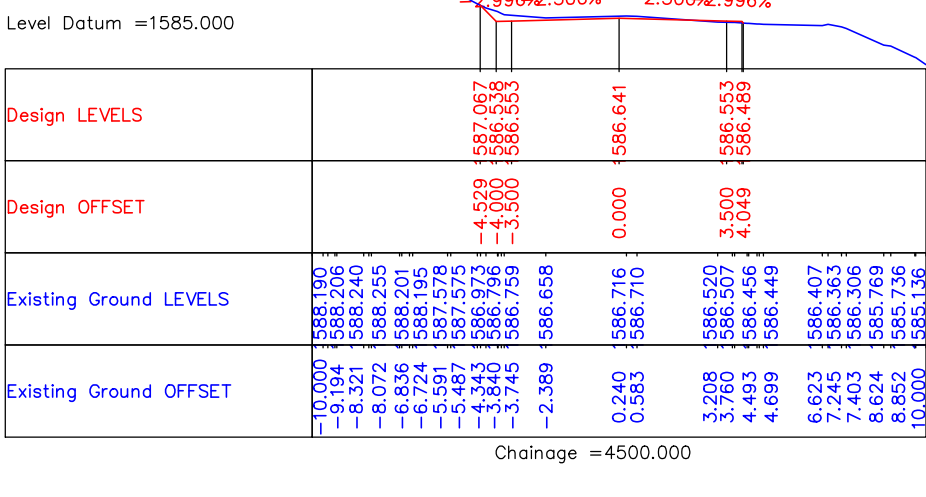
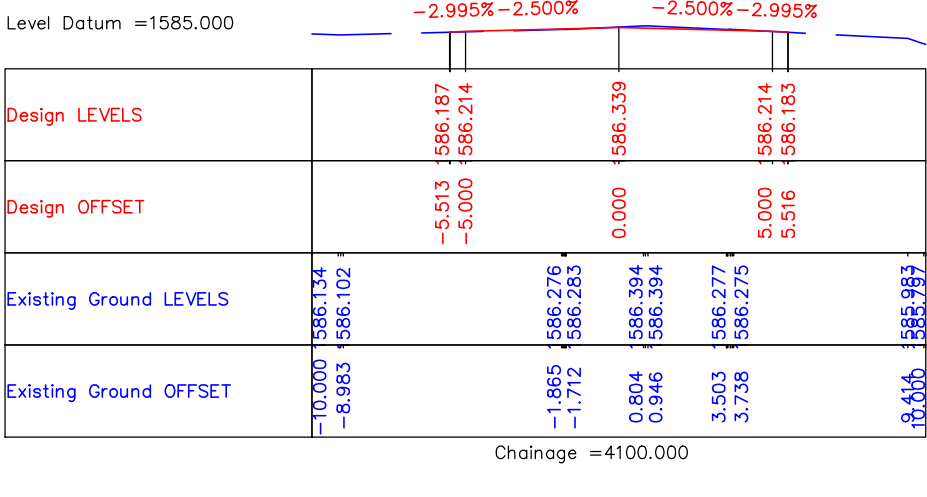
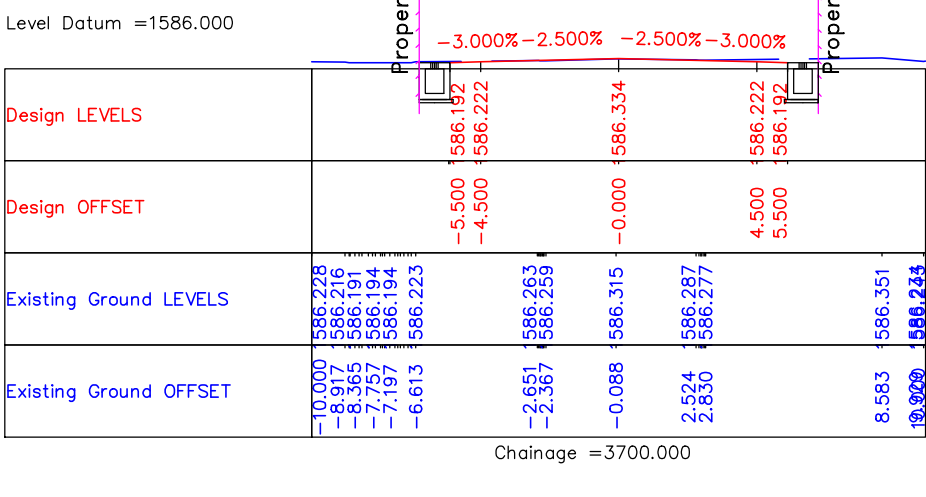
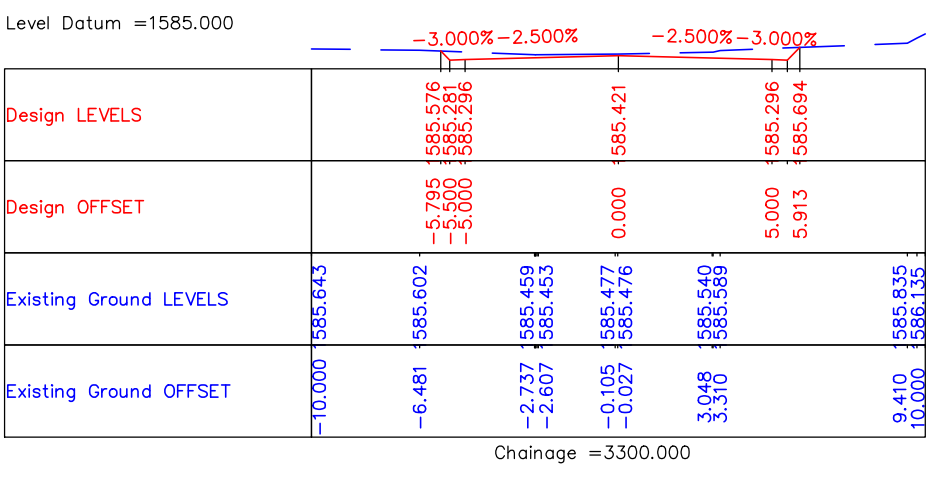
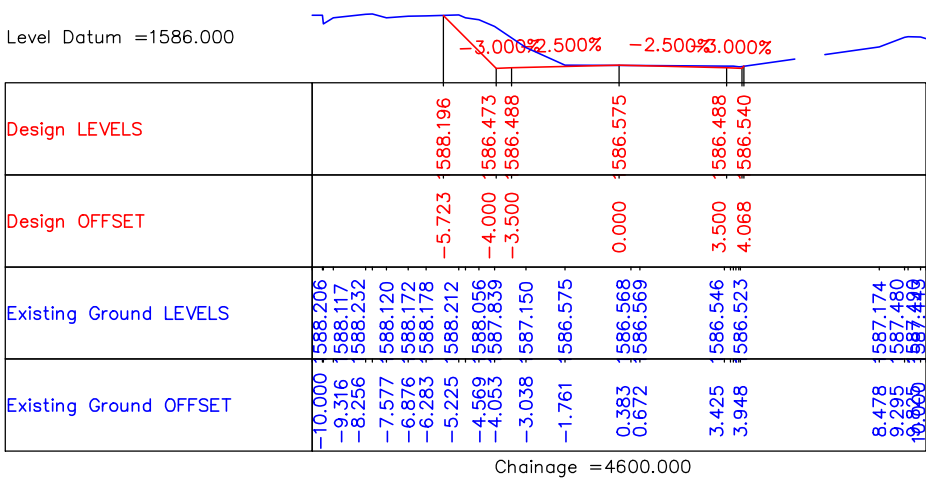
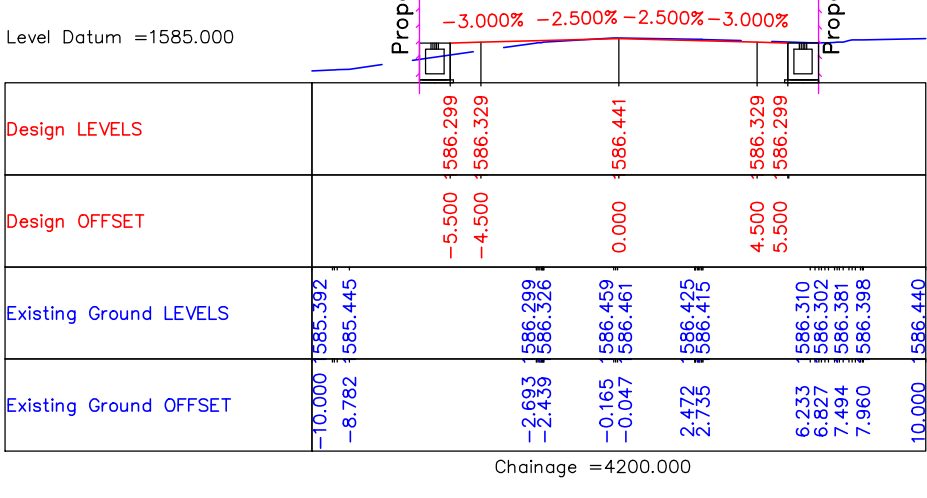
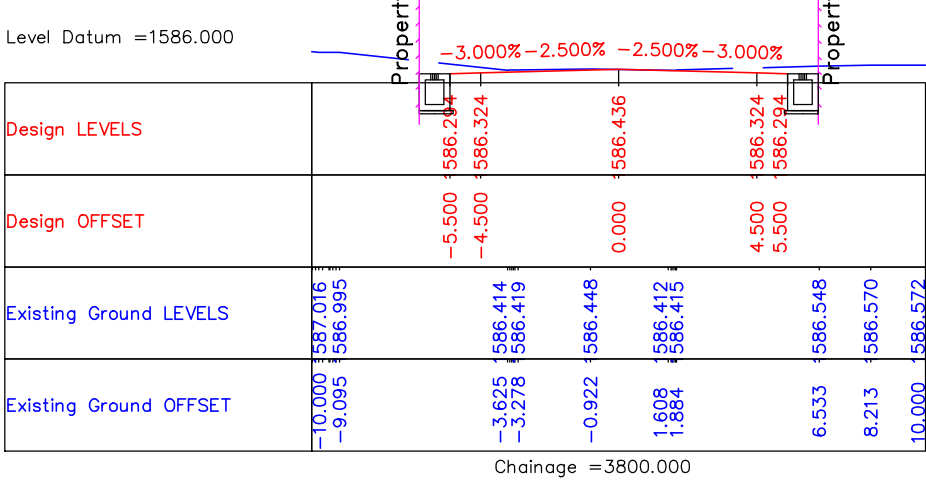
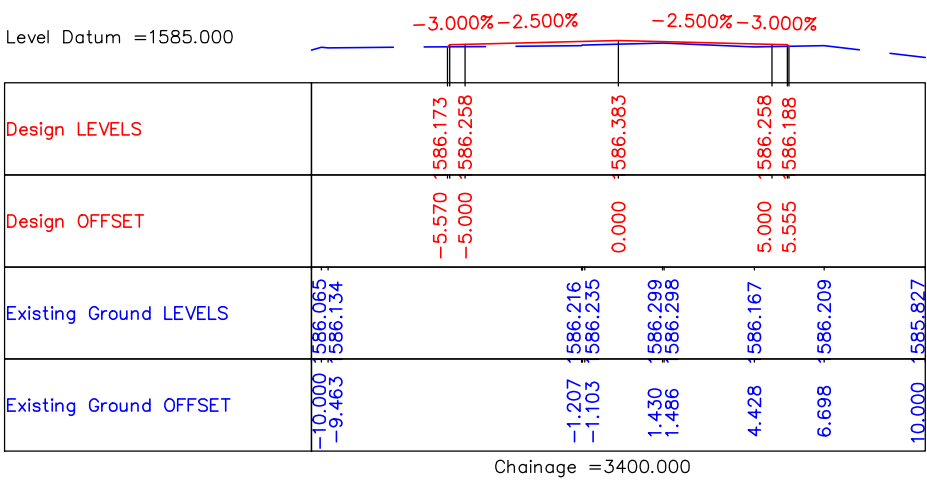
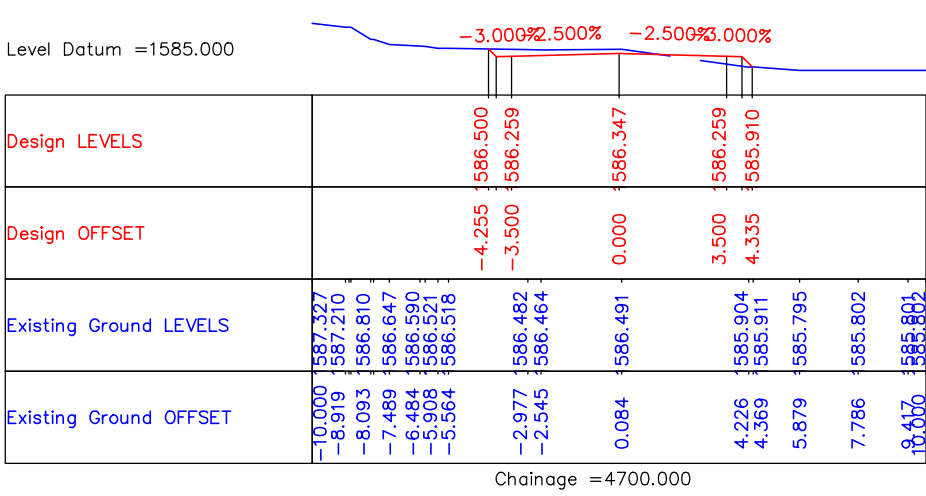
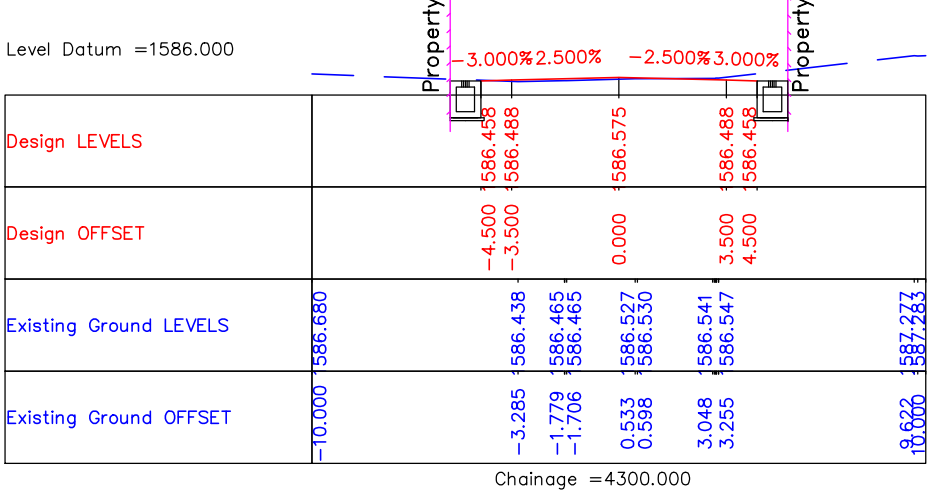
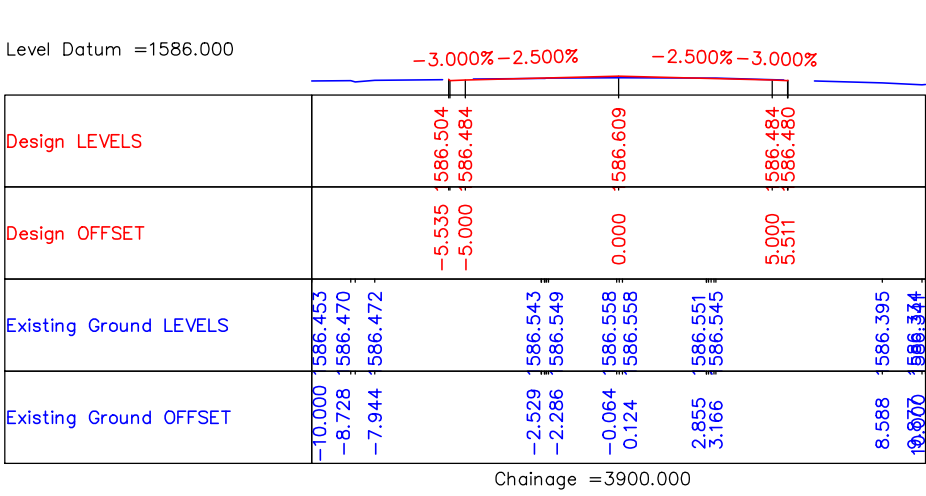
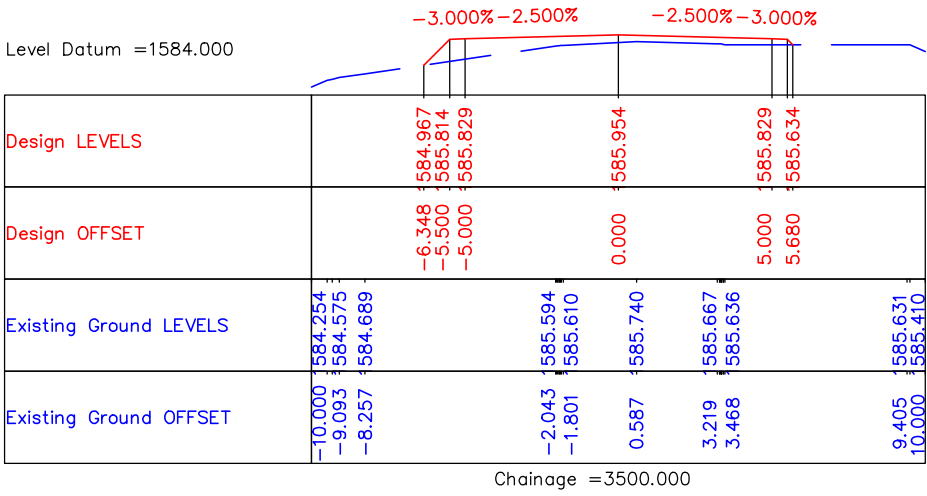
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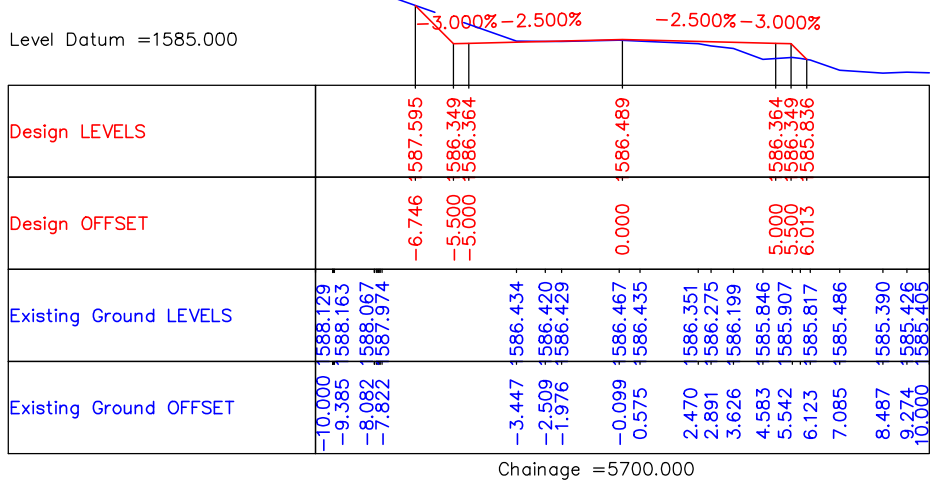
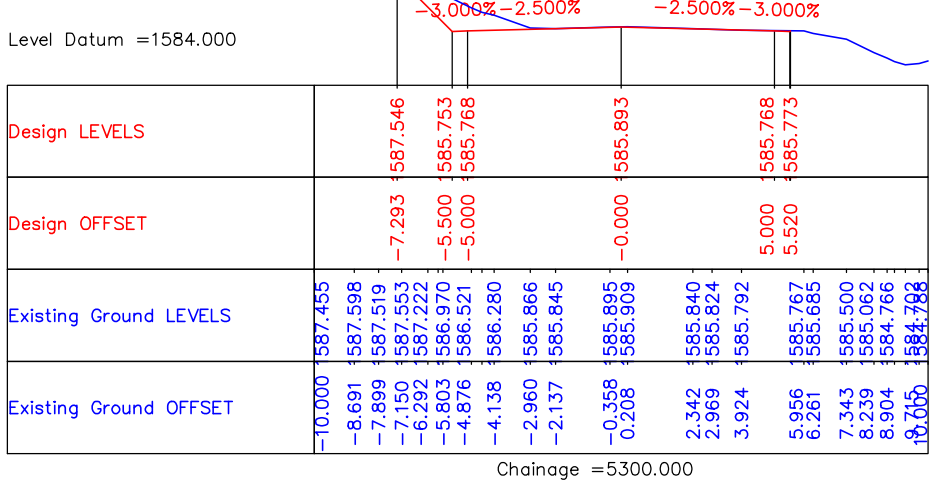
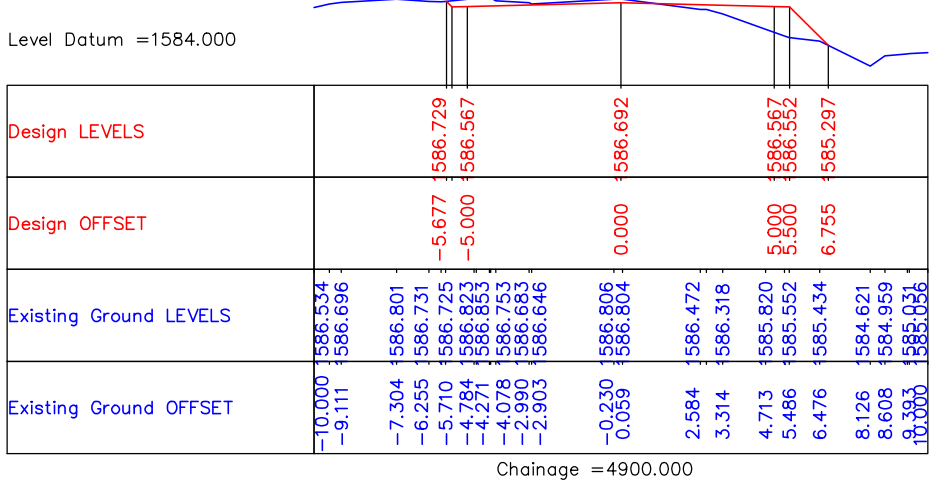
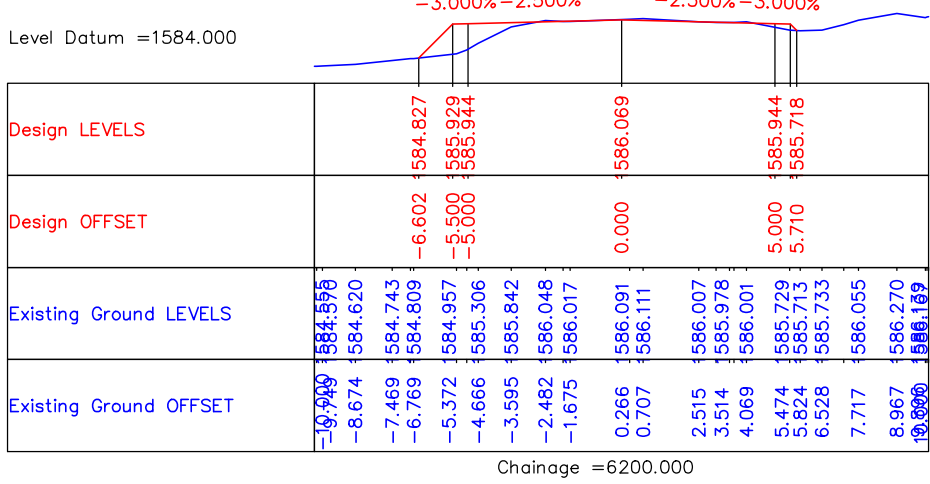
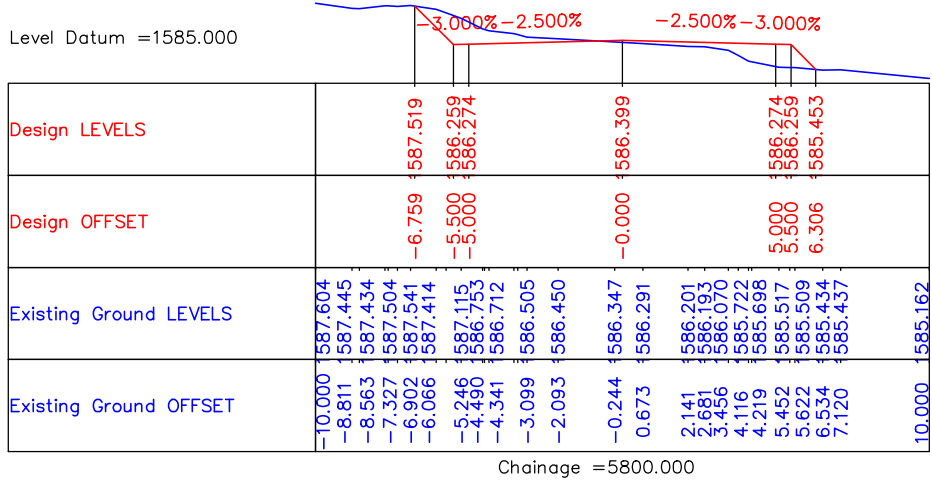
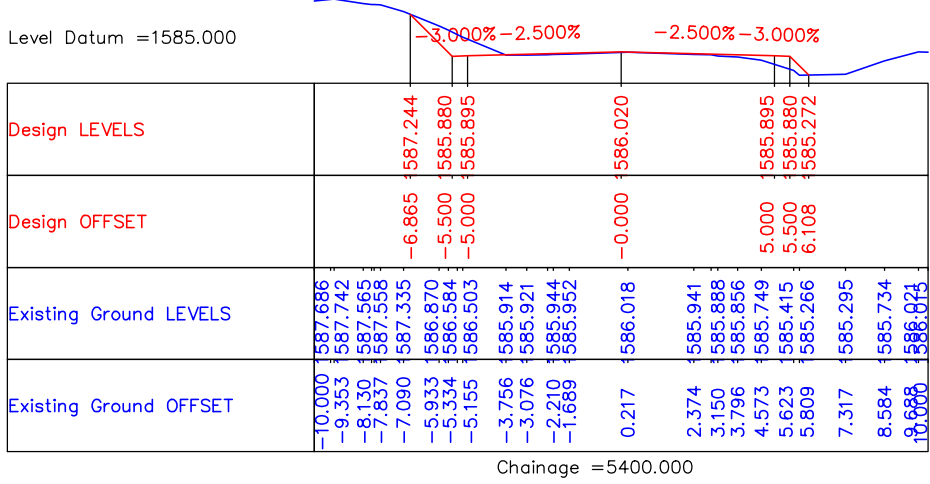
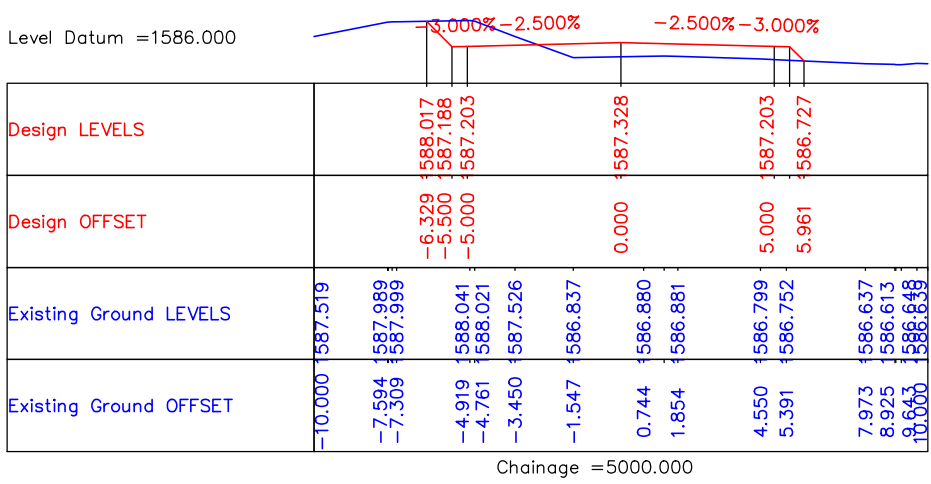
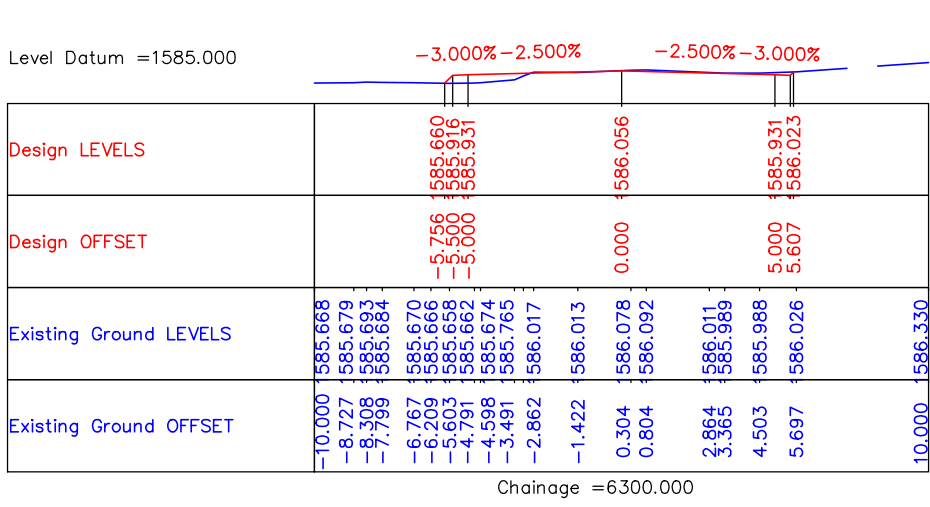
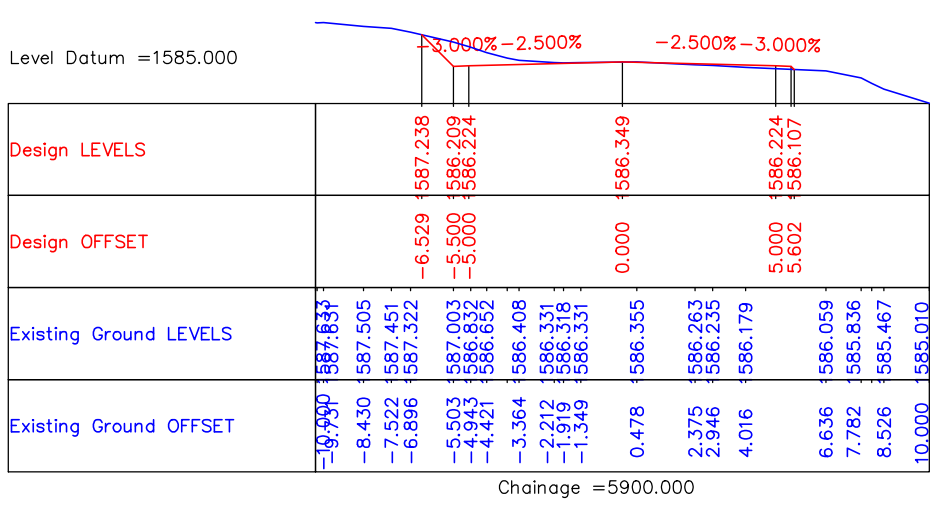
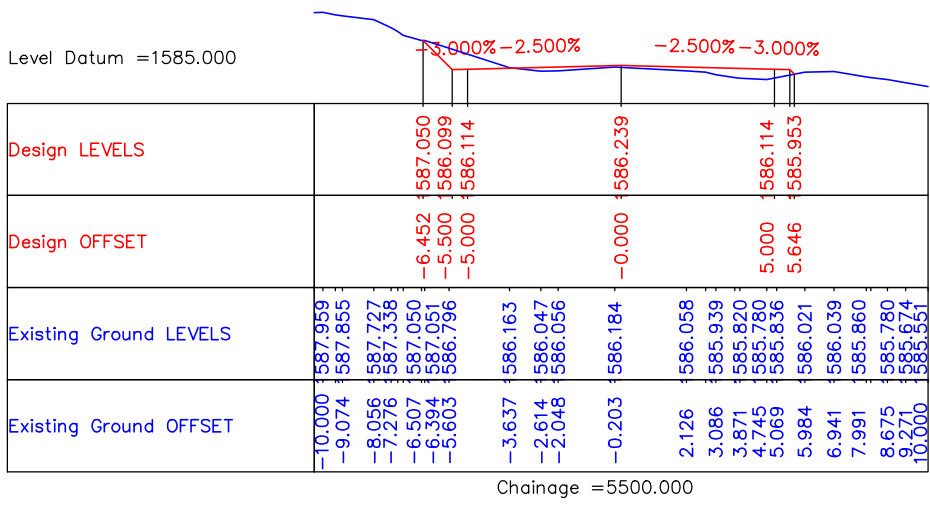
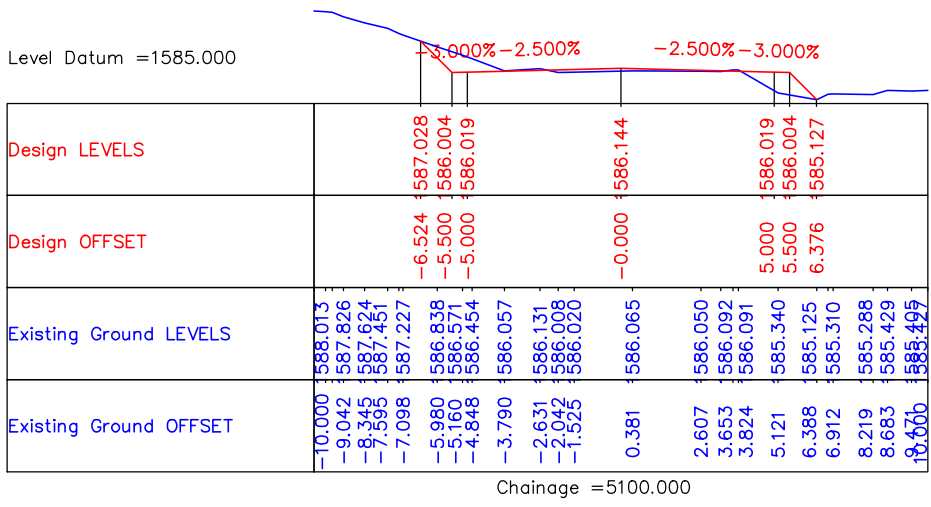
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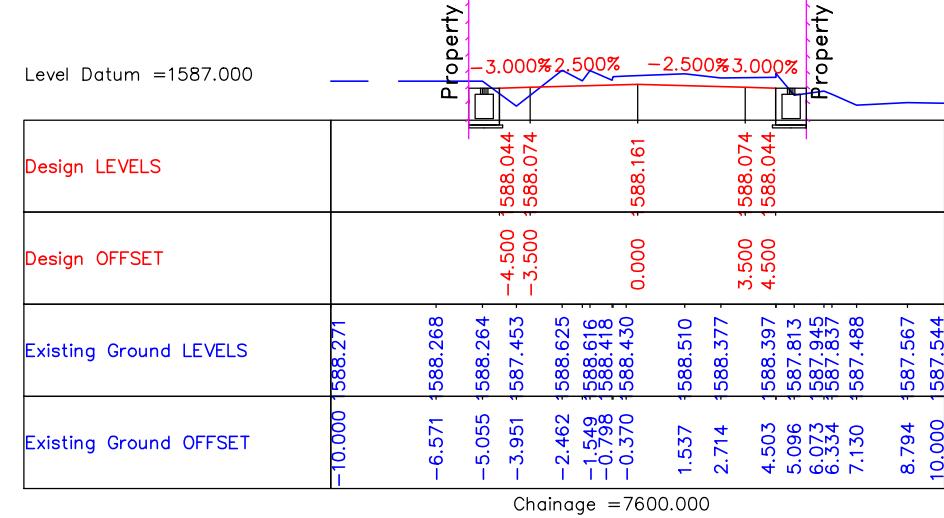
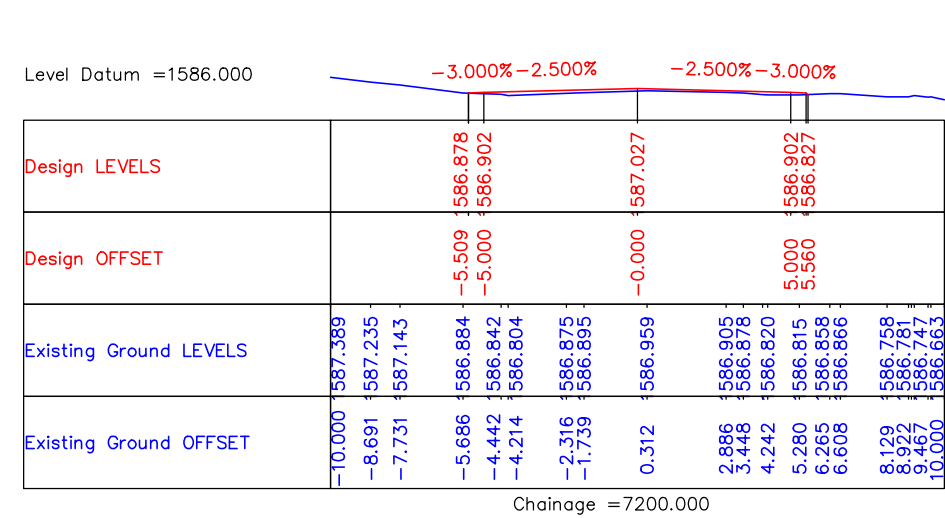
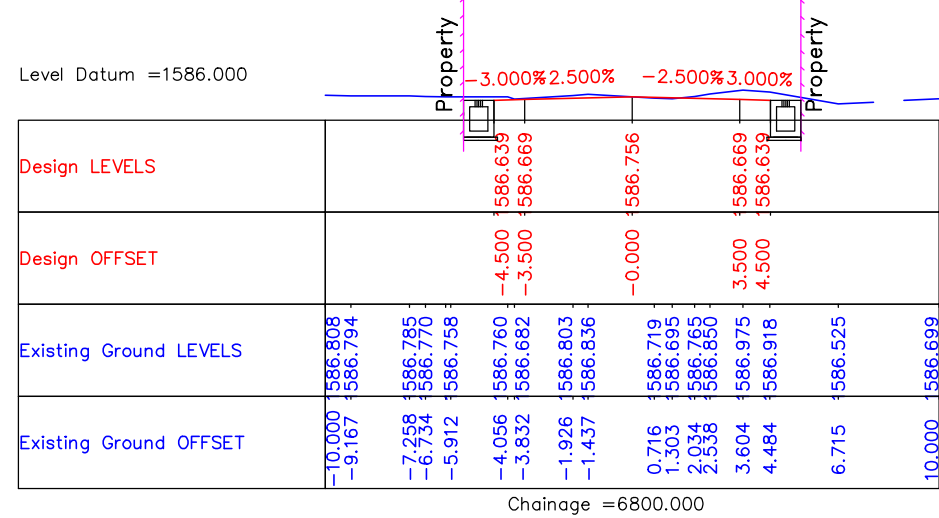
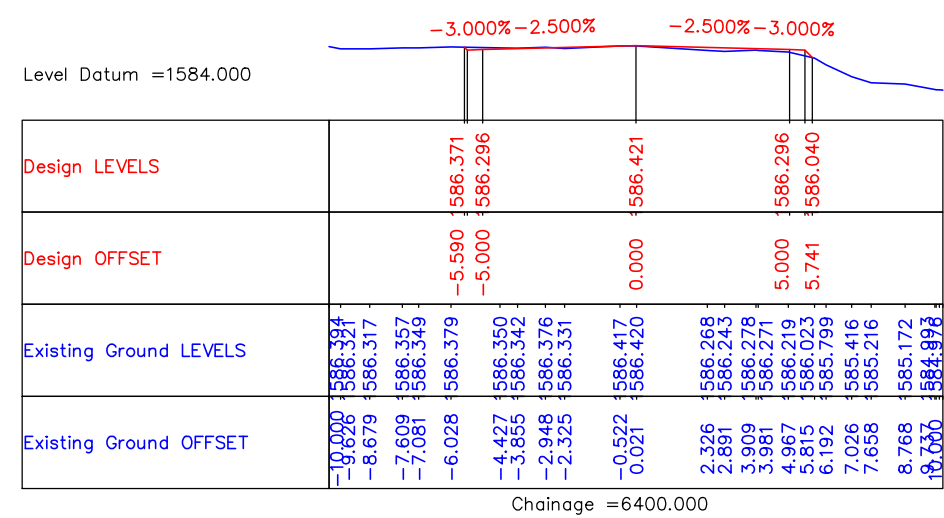
REVISION : R-1

August 2019

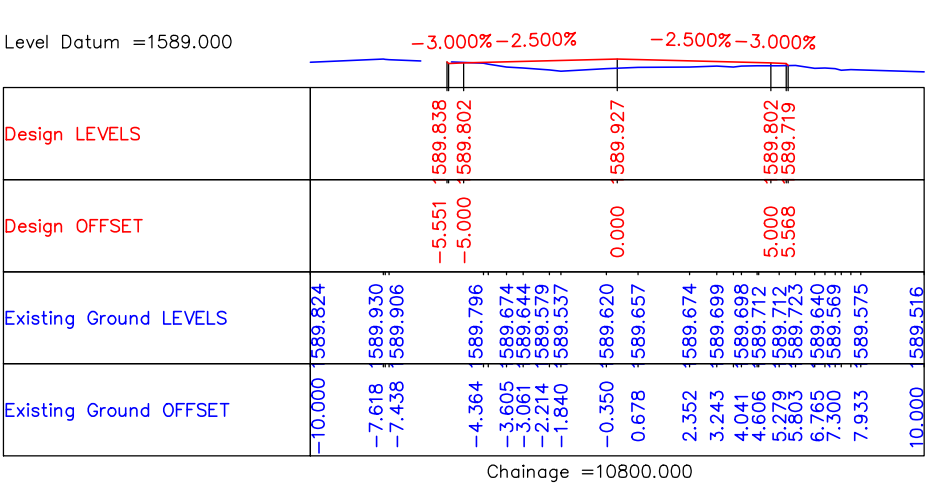
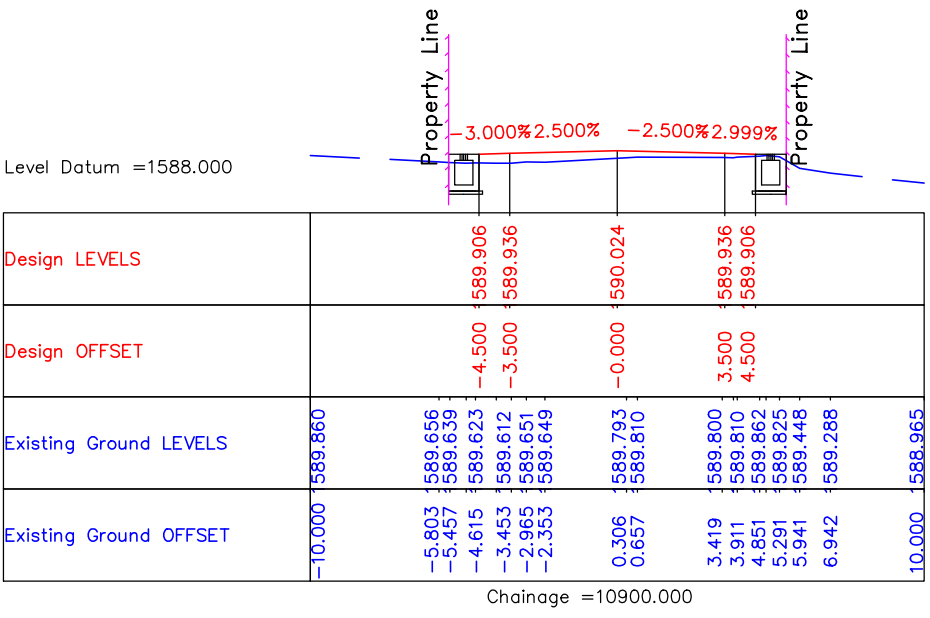
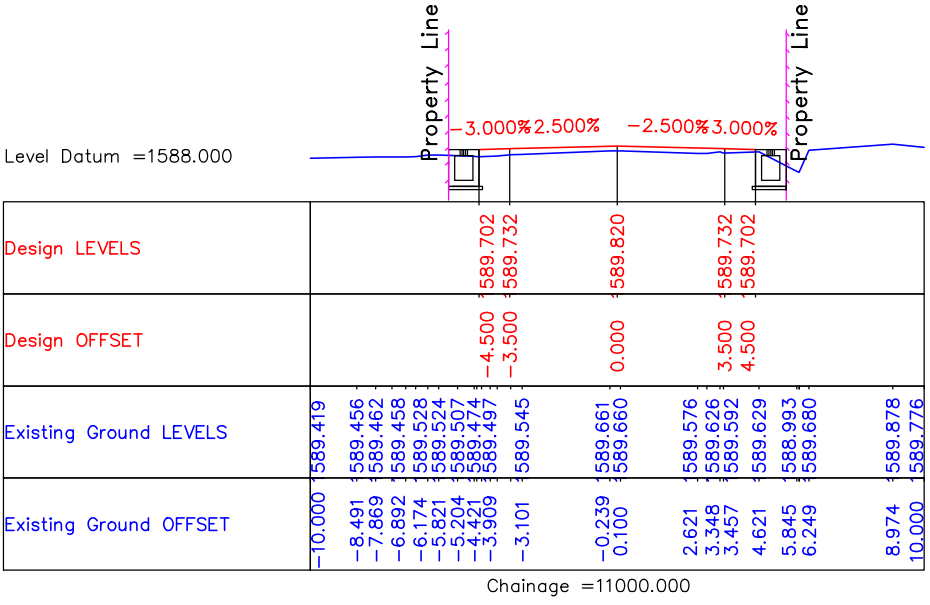
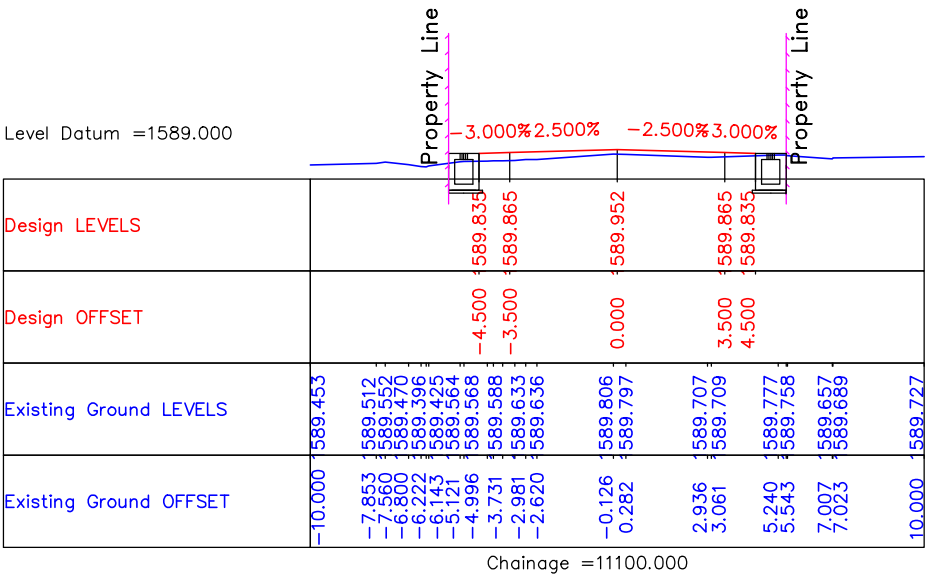
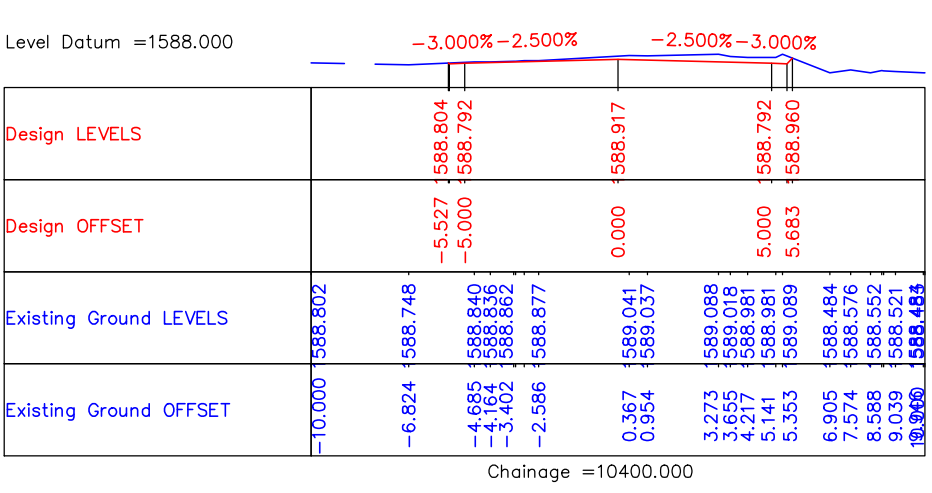
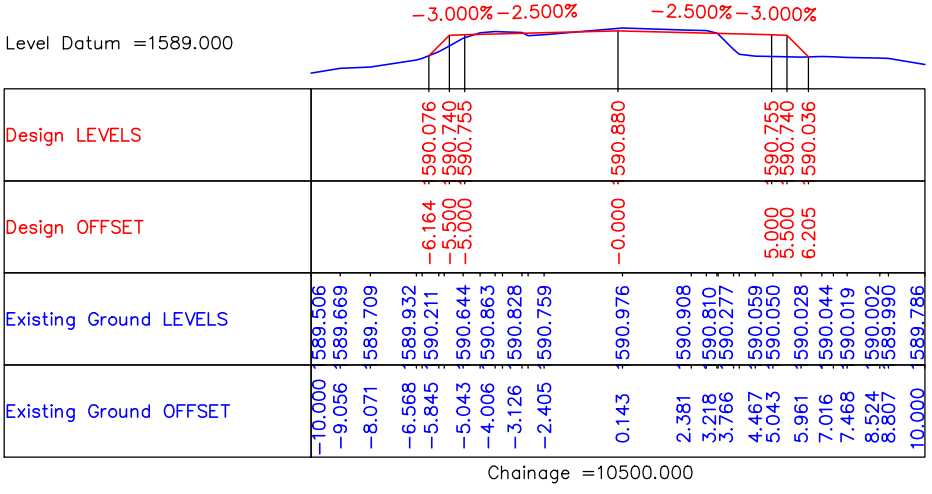
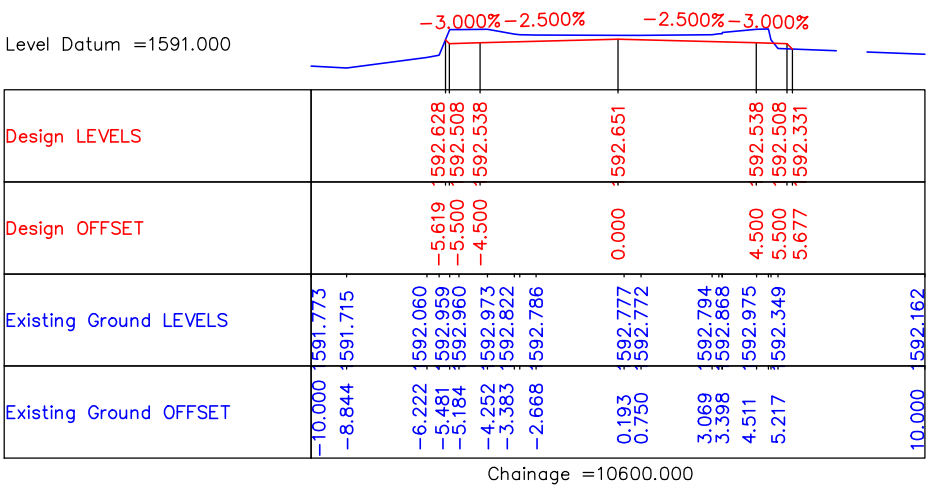
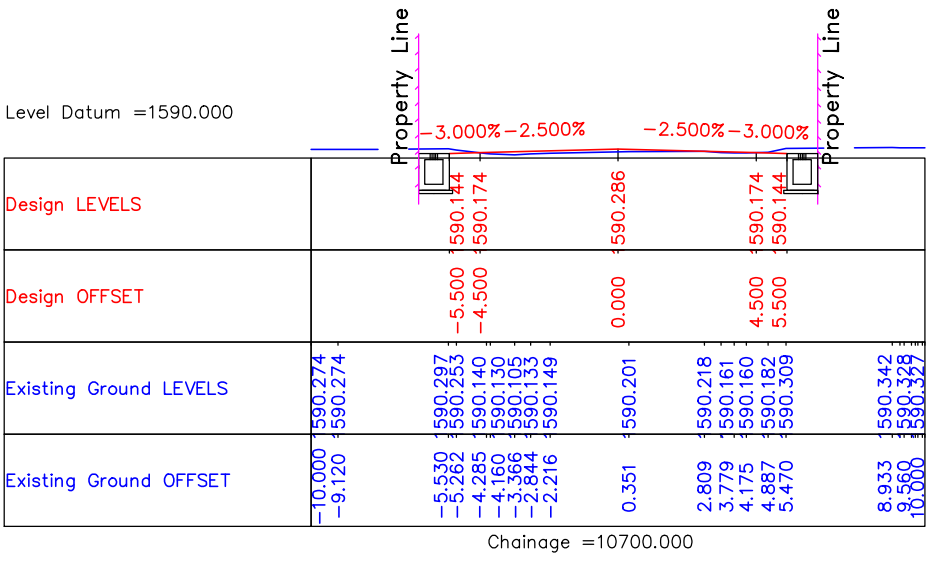
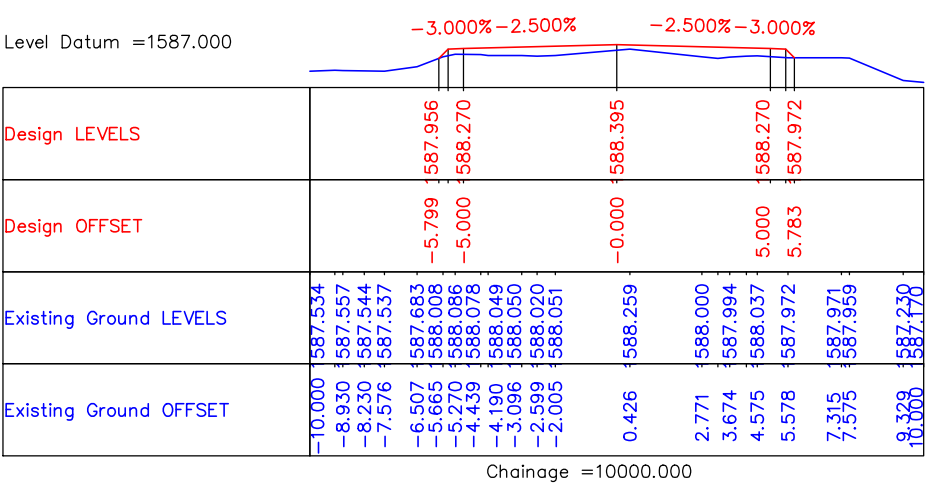
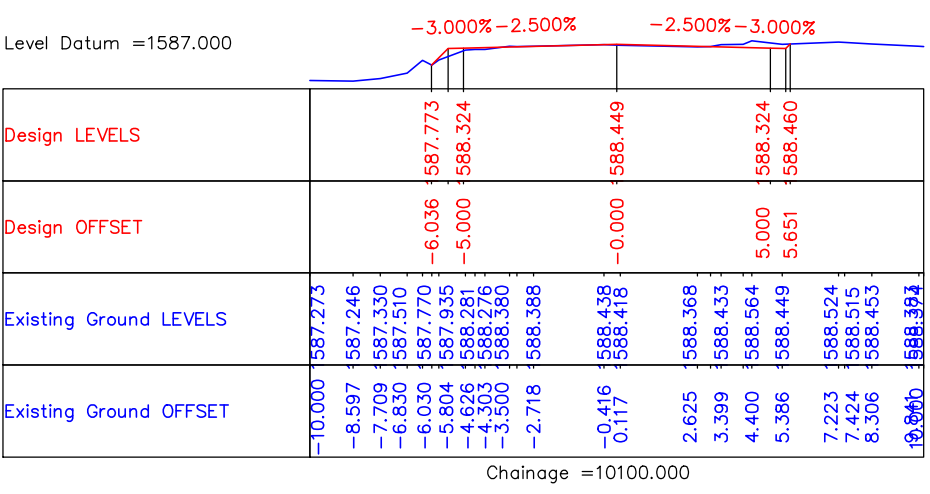
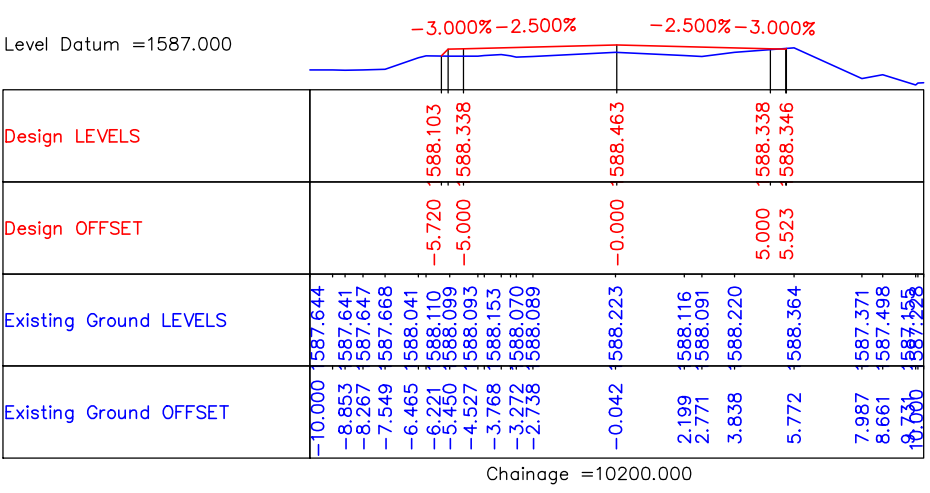
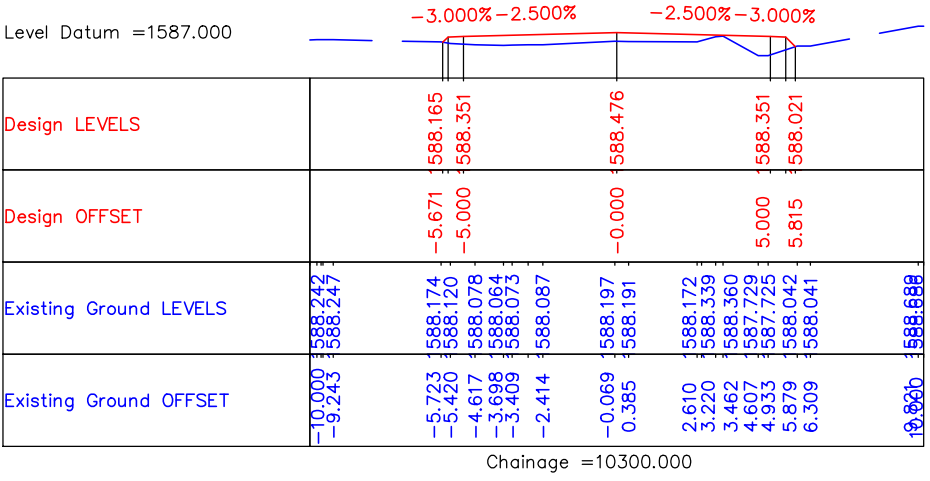
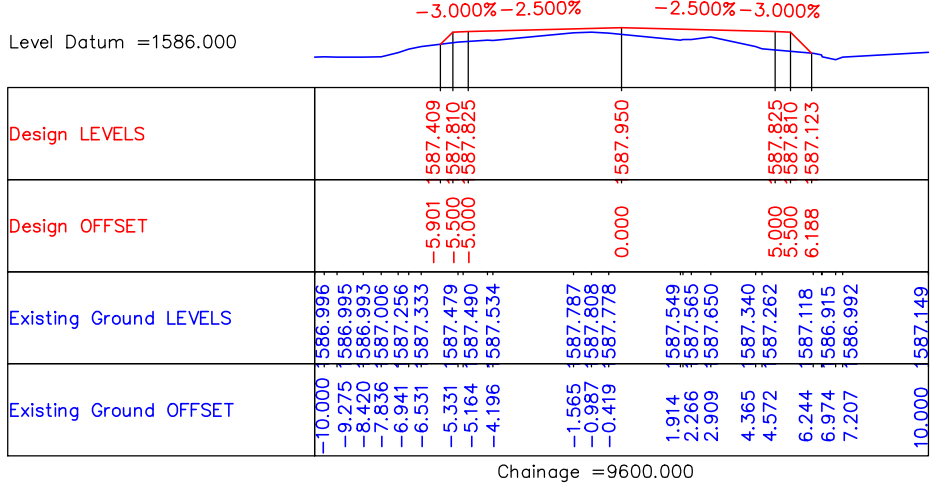
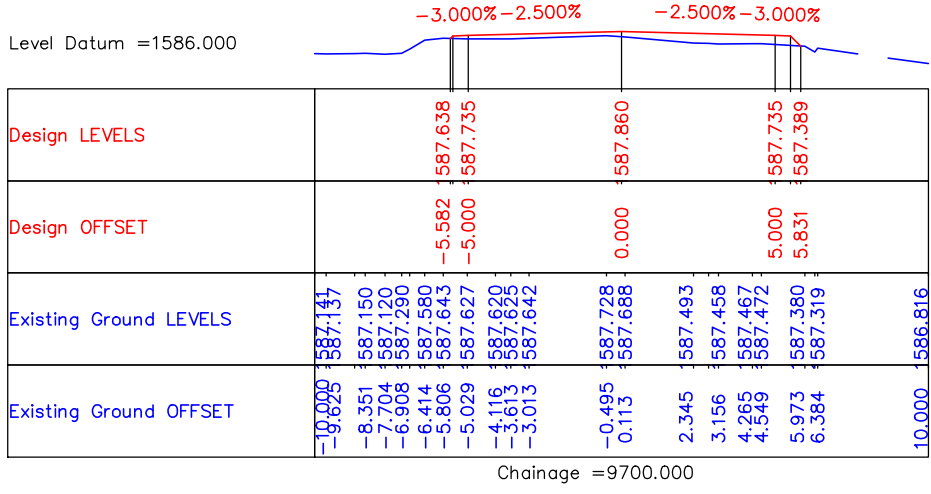
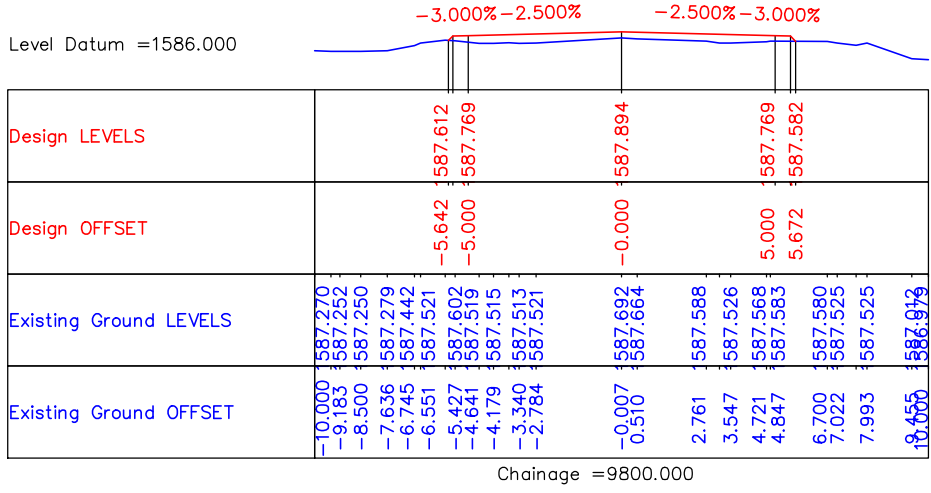
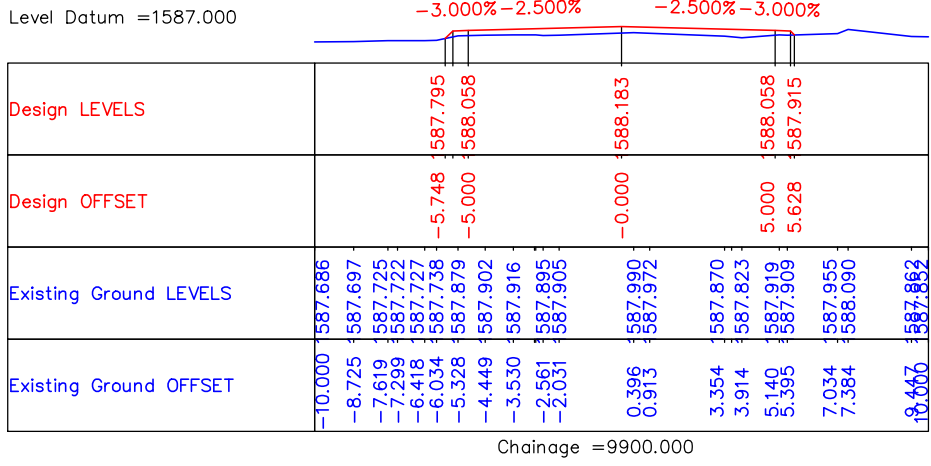
≡ DETAILED CROSS SECTION ≡







August 2019



CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Rambagh-Lasjan-Kadalbal Road)

DESIGN CONSULTANT:

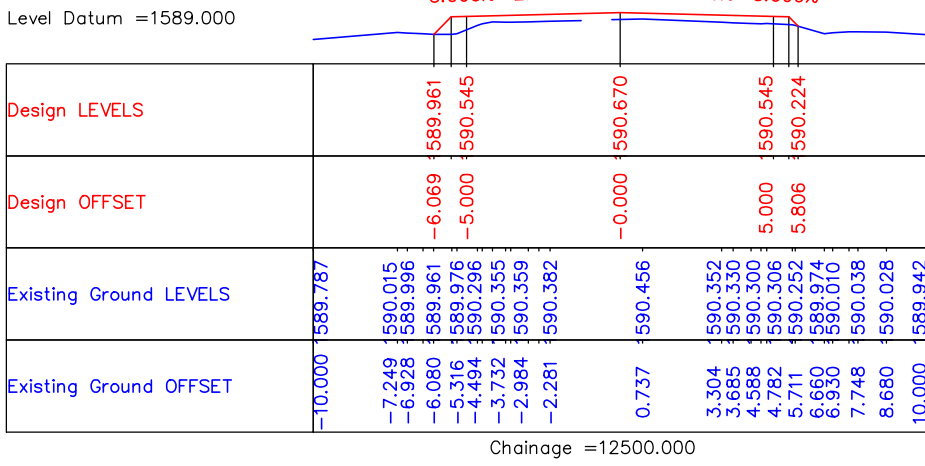
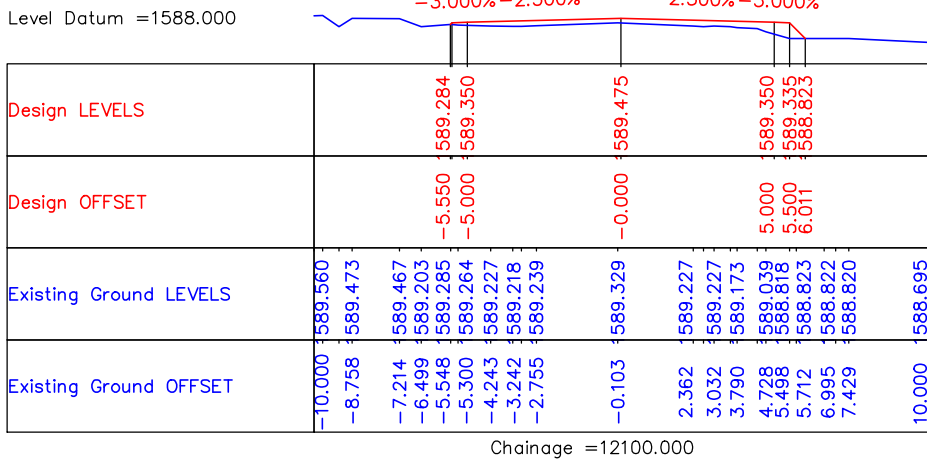
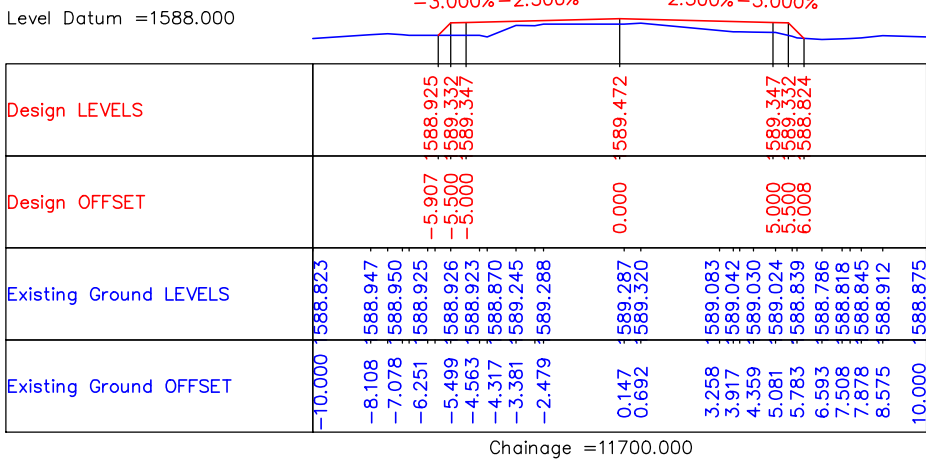
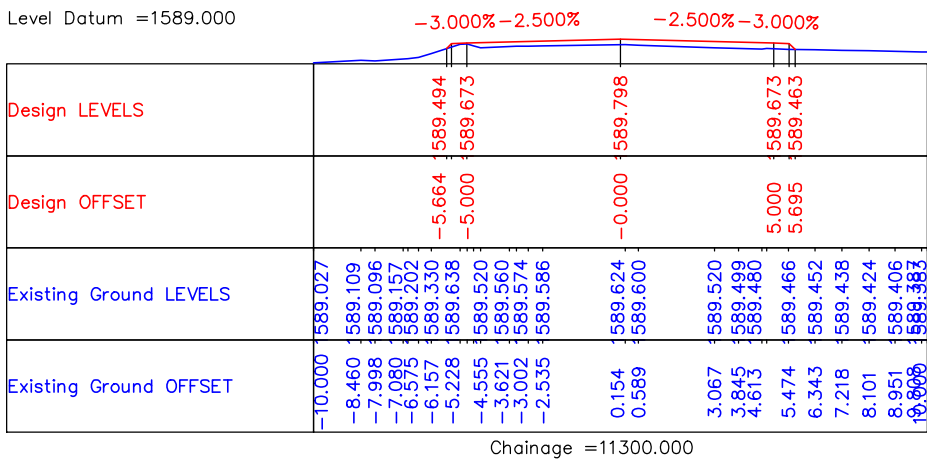
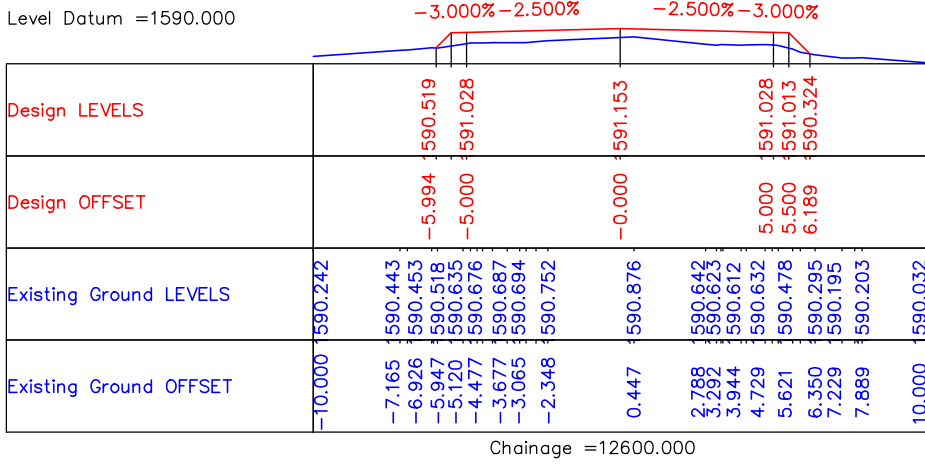
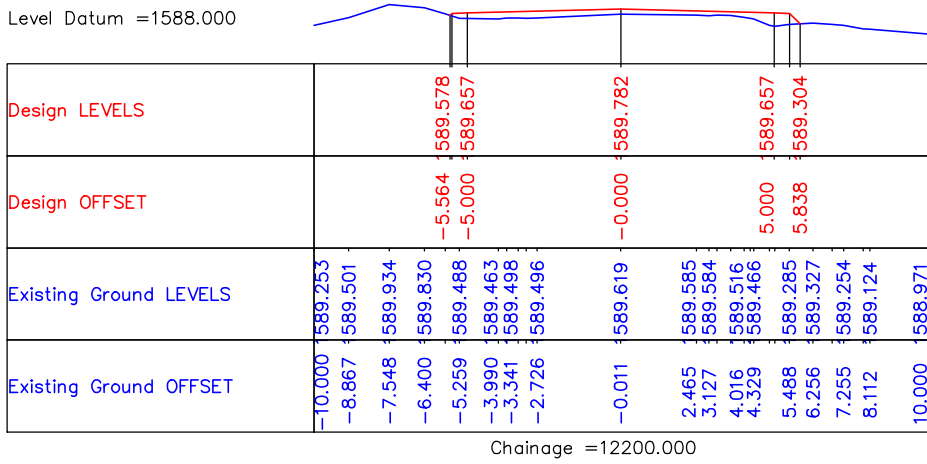
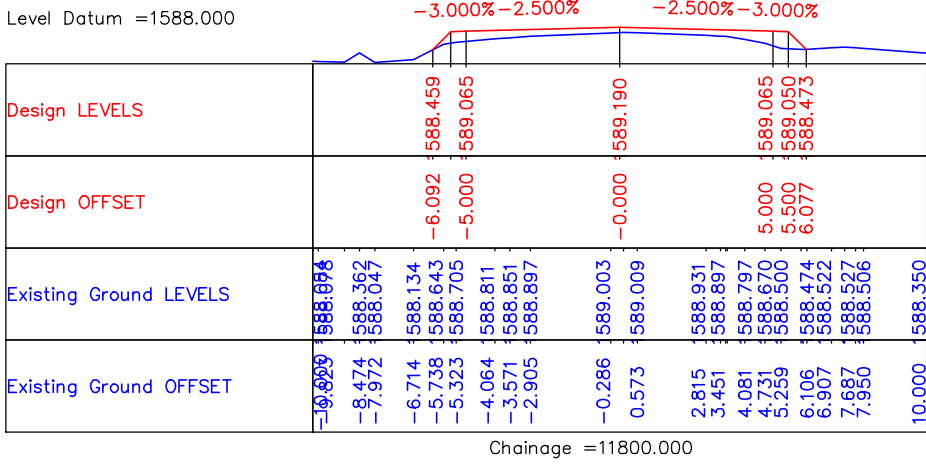
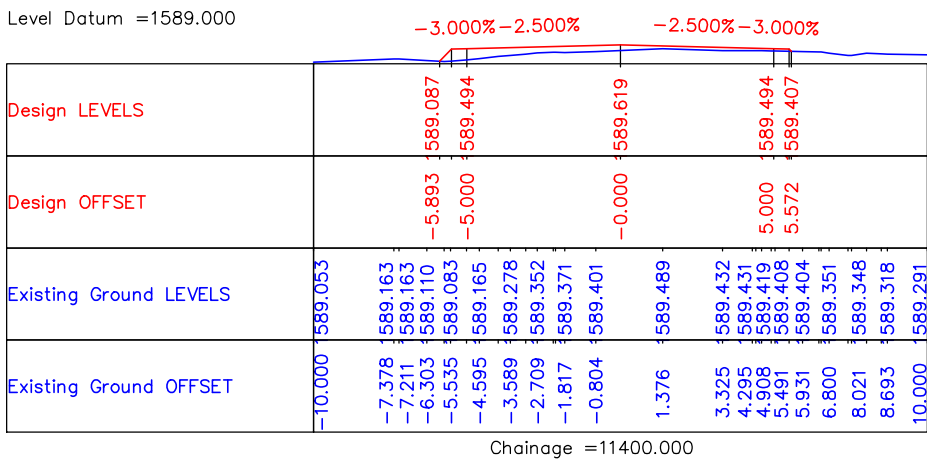
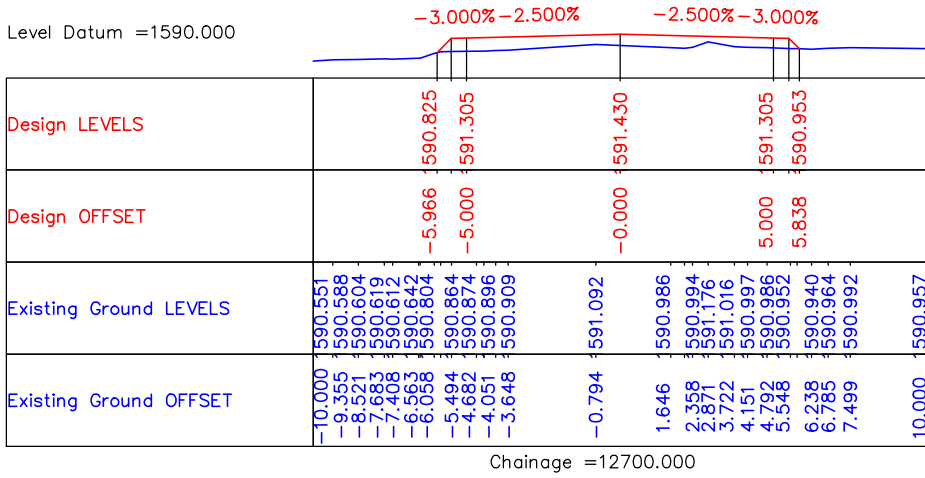
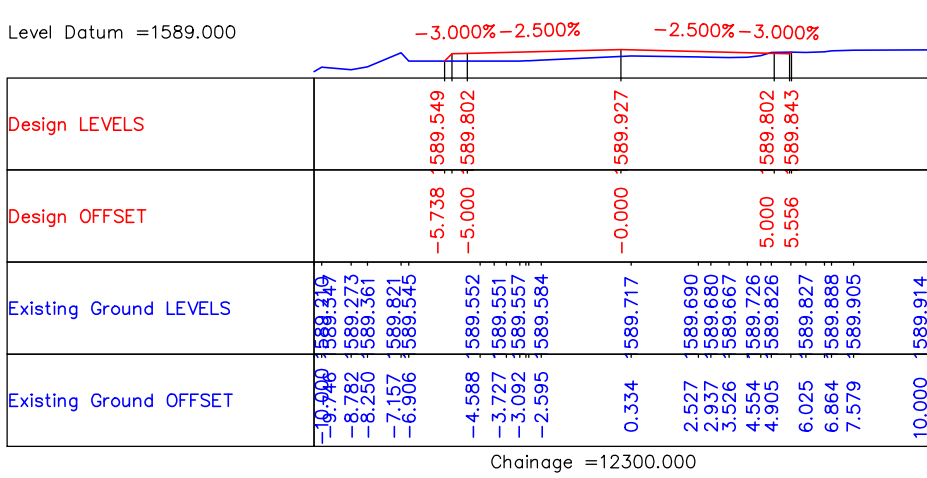
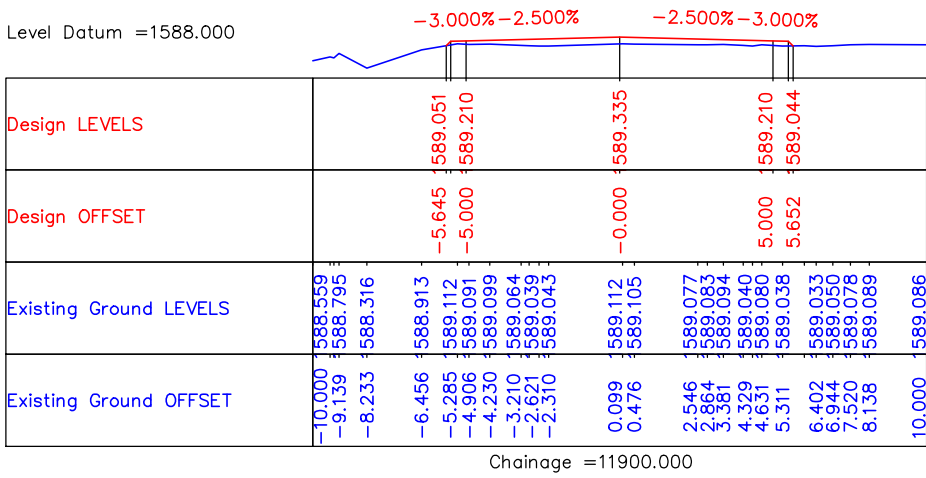
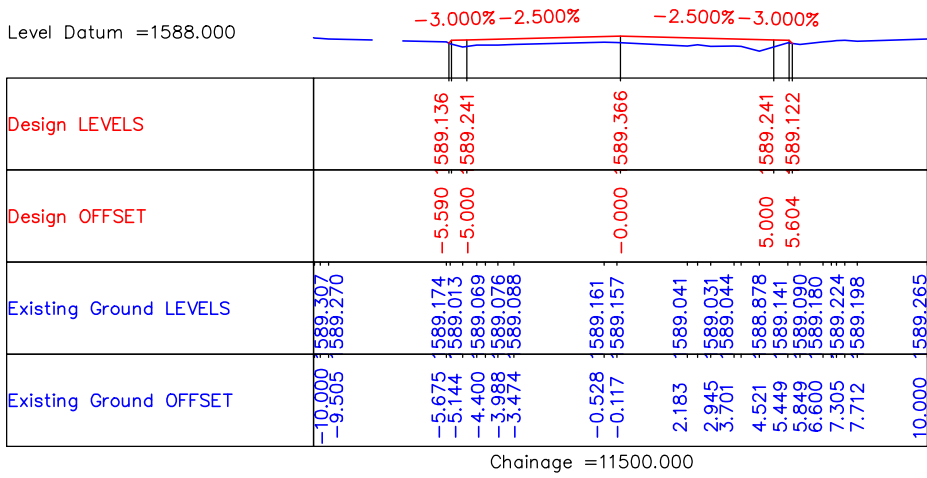


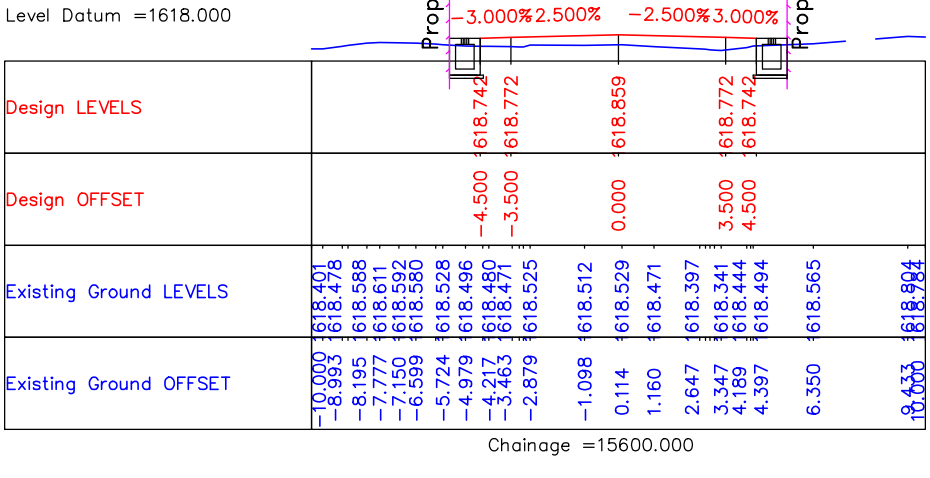
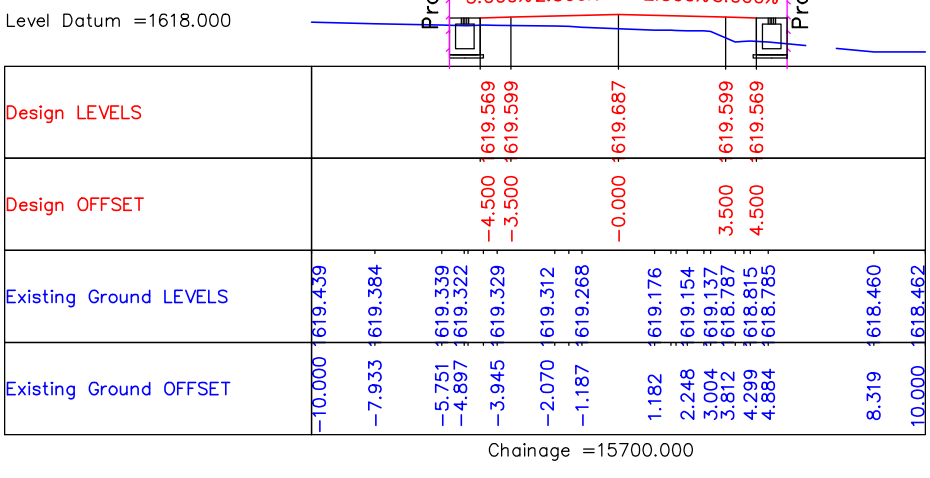
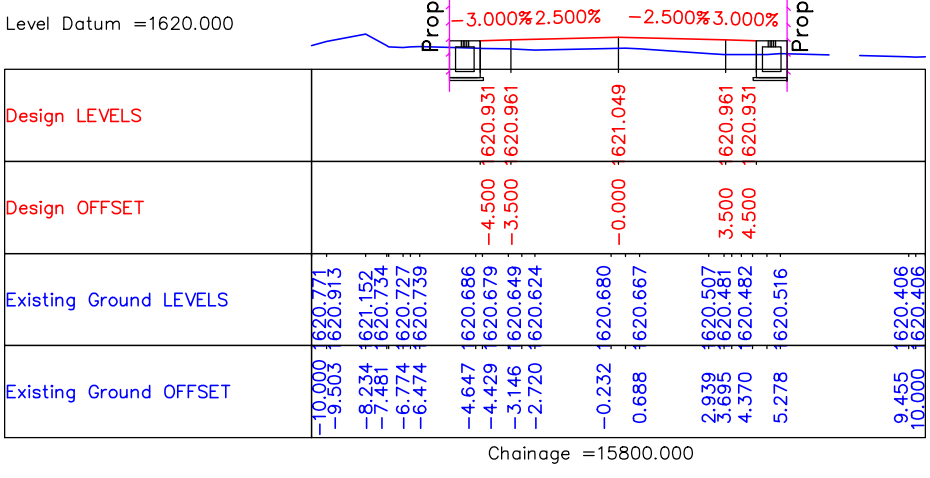
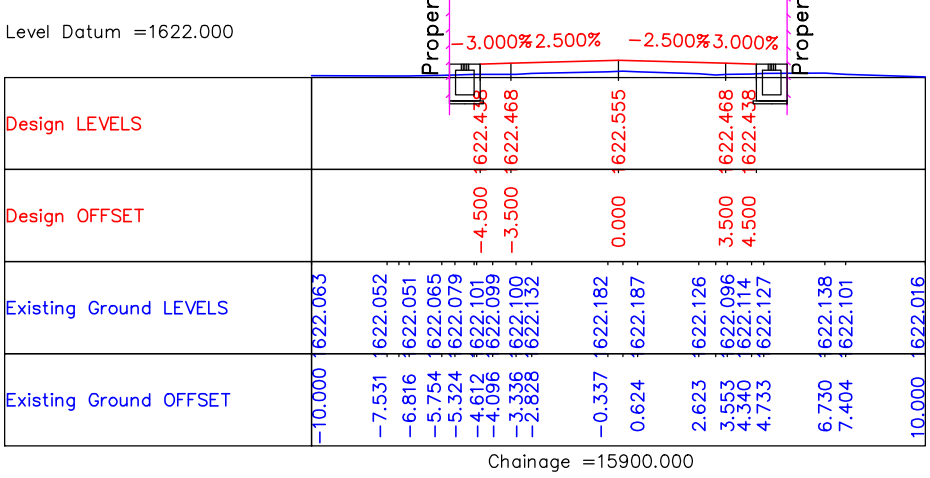
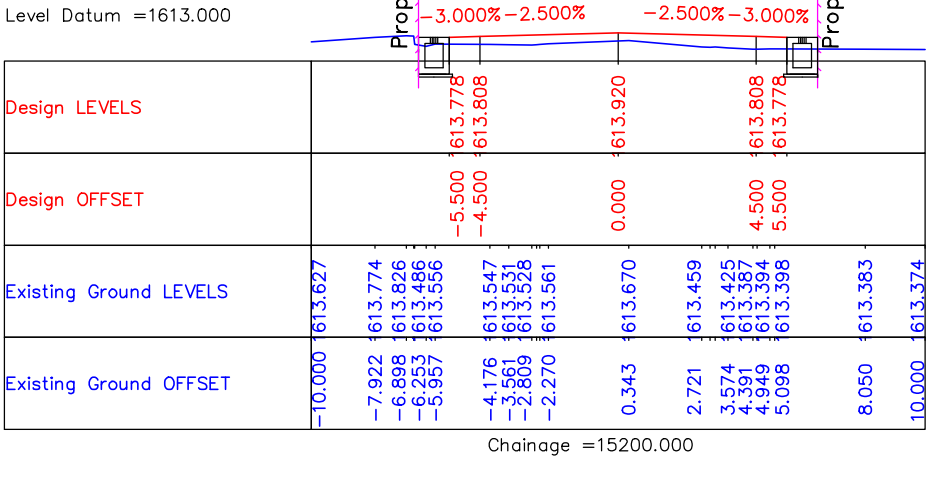
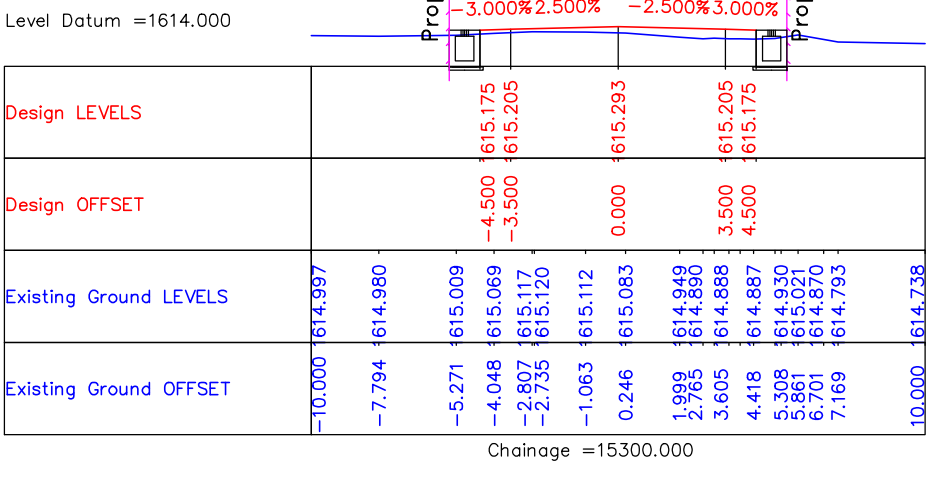
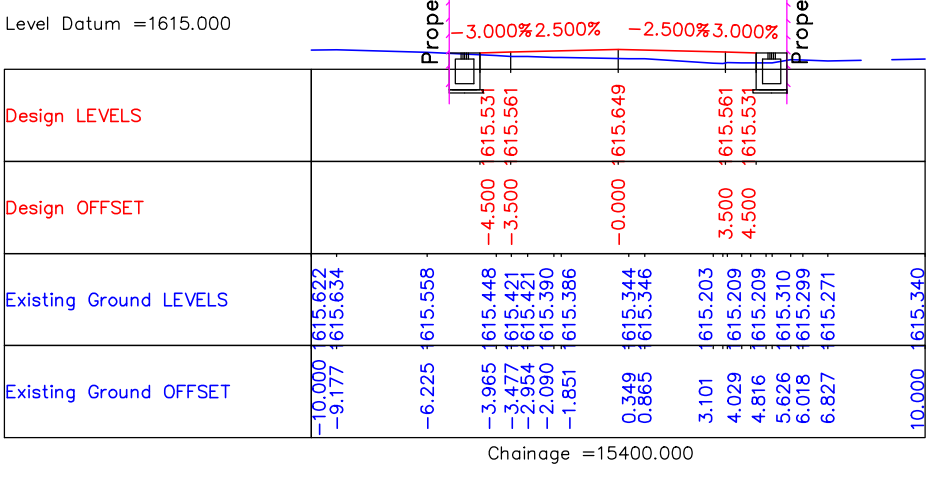
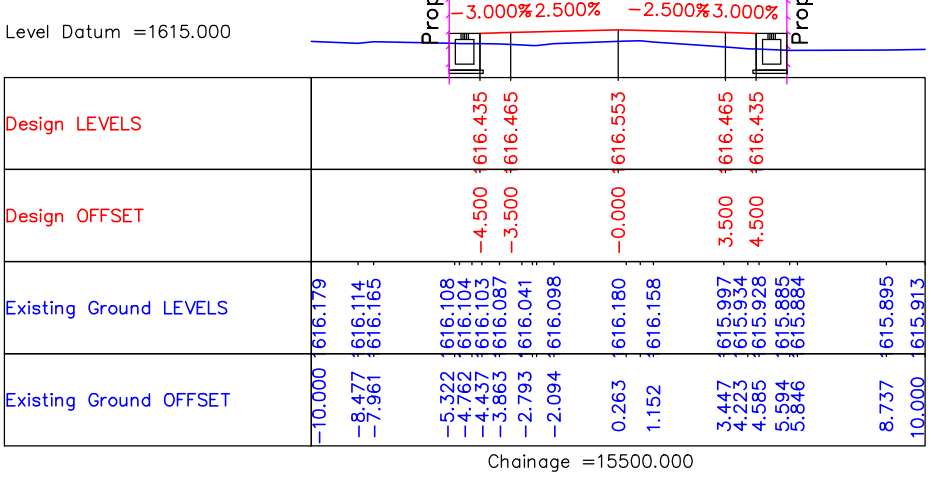
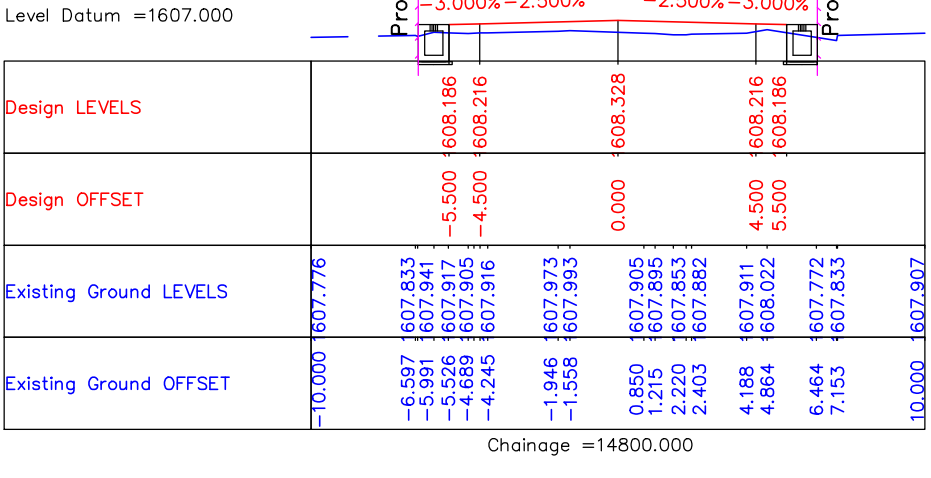
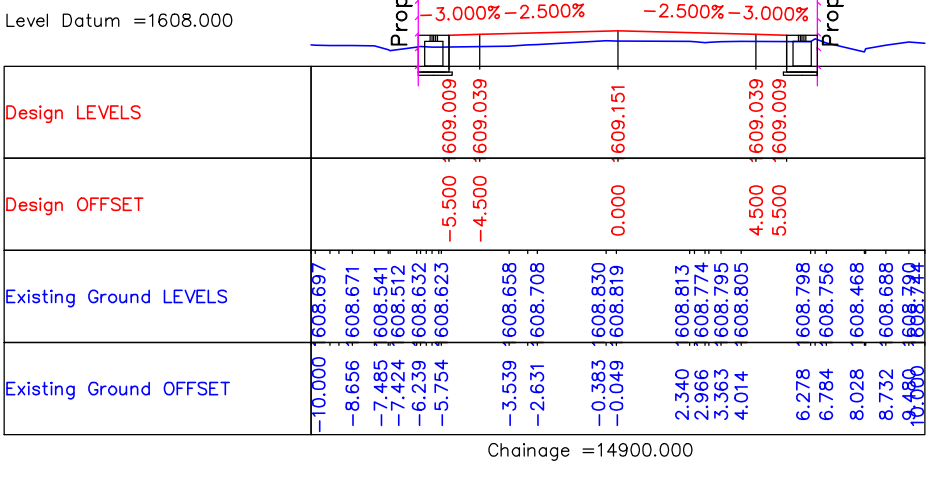
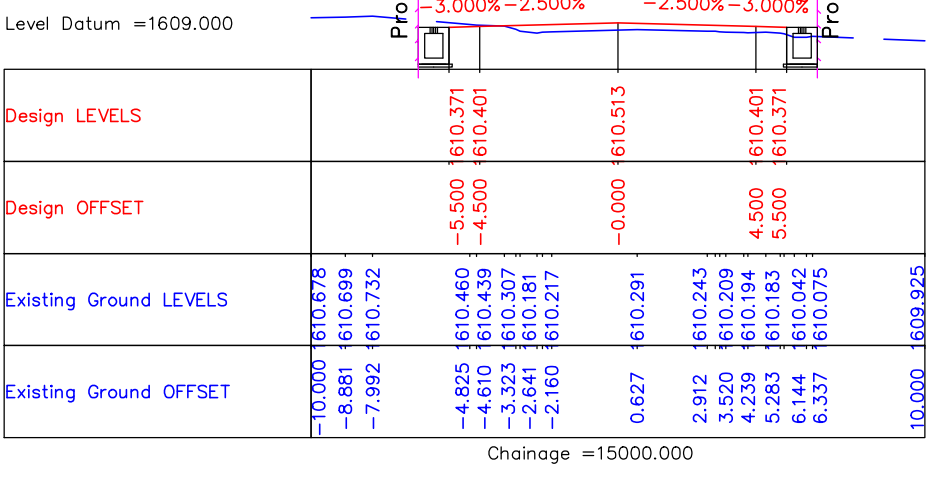
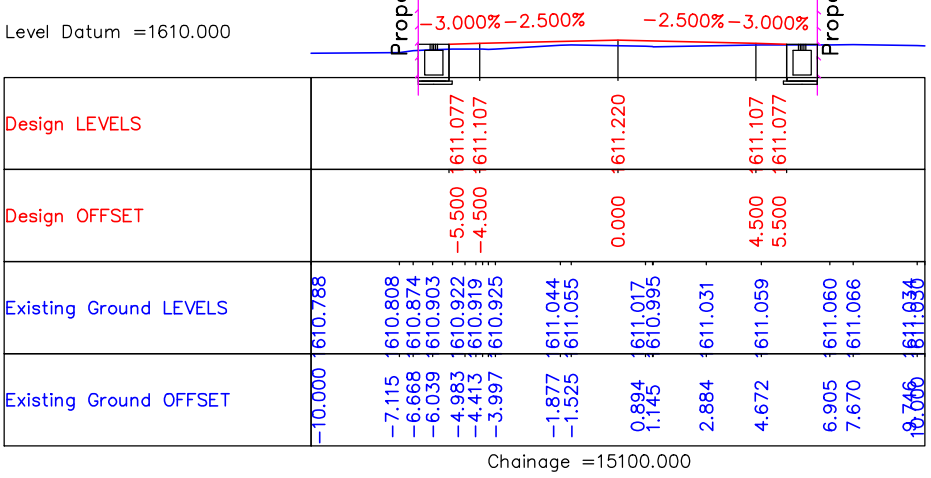
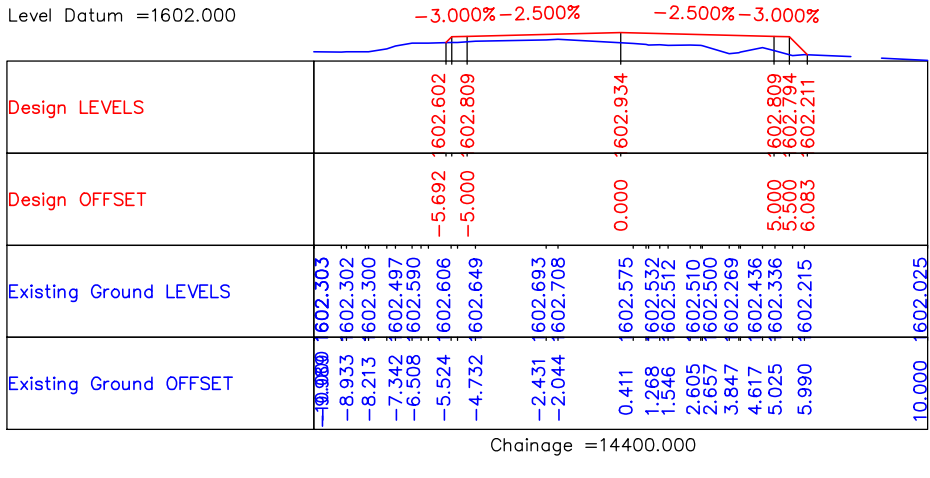
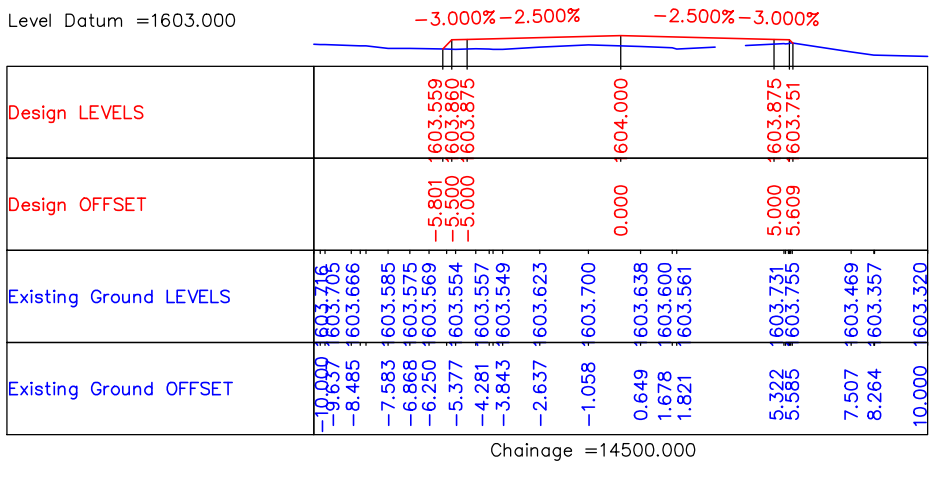
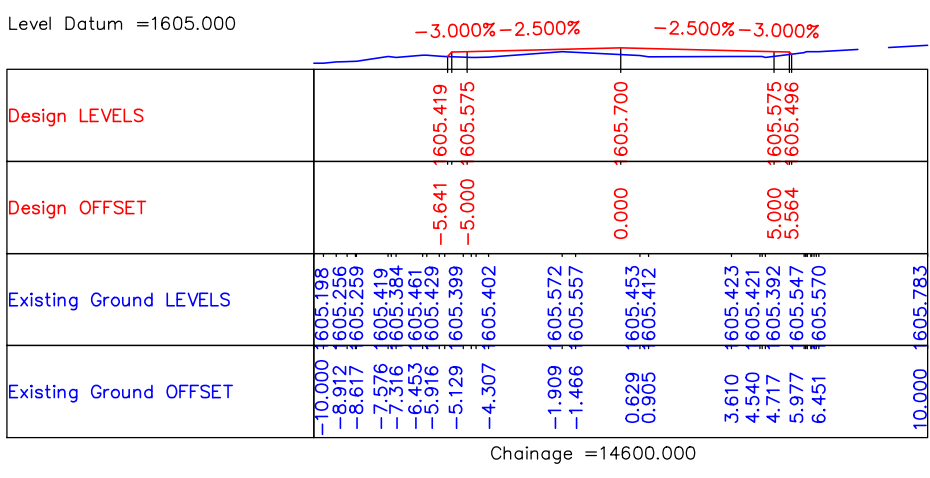
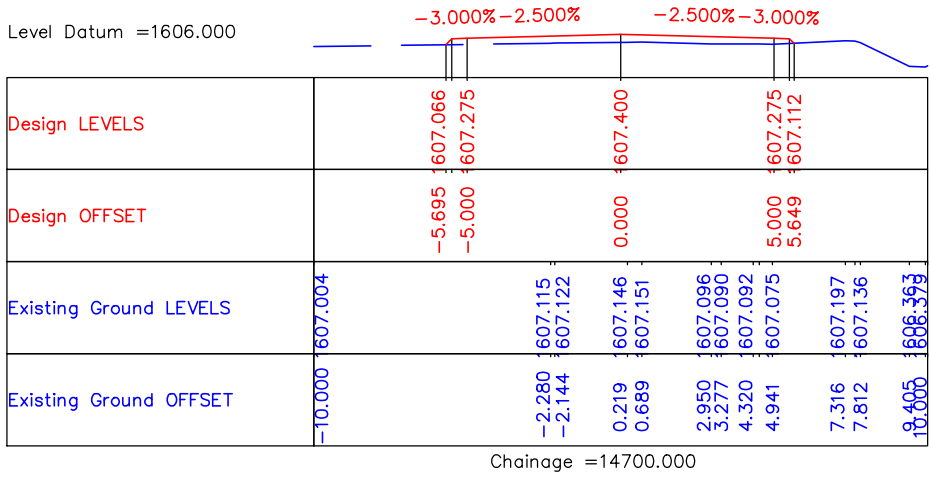
Eptisa Servicios de Ingenieria S.L.
Unit 1203, 12th Floor, Tower 1, PS Srijan
Corporate Park, Plot No. 2, Block EP & GP,
Sector v, Salt Lake Kolkata - 700091,
West Bengal
Ph: 033-40347200
www.eptisa.com

REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE	1 : 250

TITLE : Detailed Cross Section (Ch.9+600 Km to Ch.11+100 Km)	
DRG. NO. : EPTISA/JTRP/DPR/J&K/DCS/07	
REVISION : R-1	August 2019





CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Rambagh-Lasjan-Kadalbal Road)

DESIGN CONSULTANT:

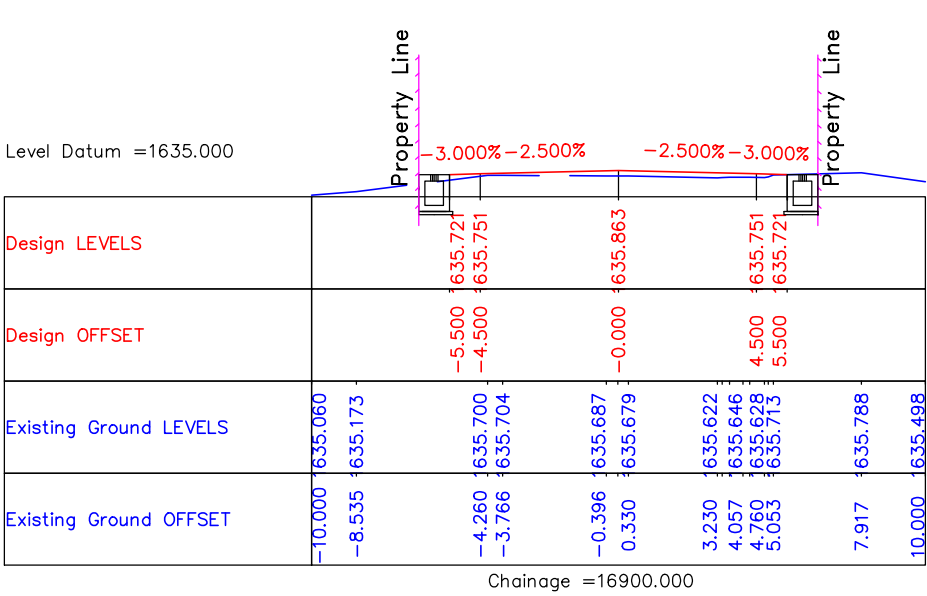
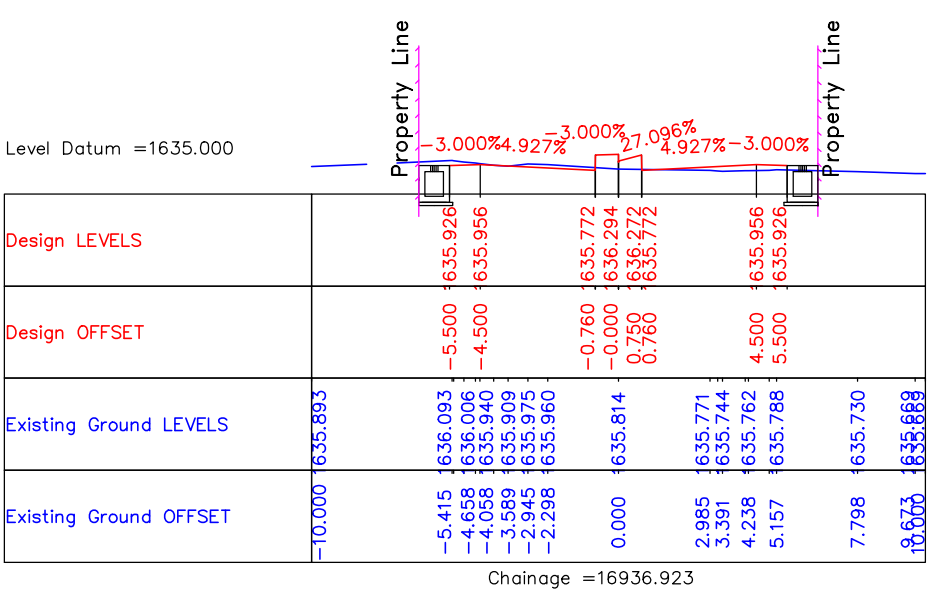
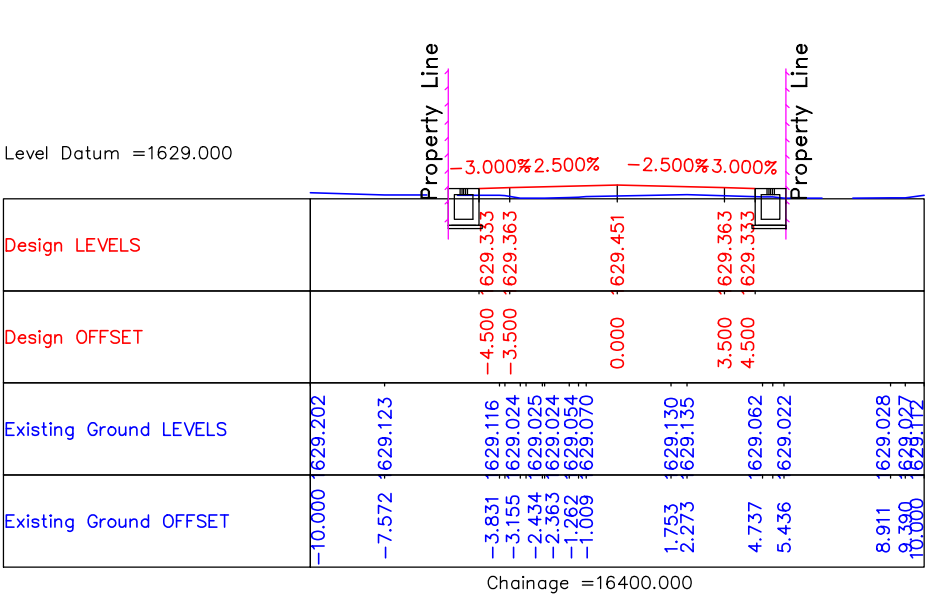
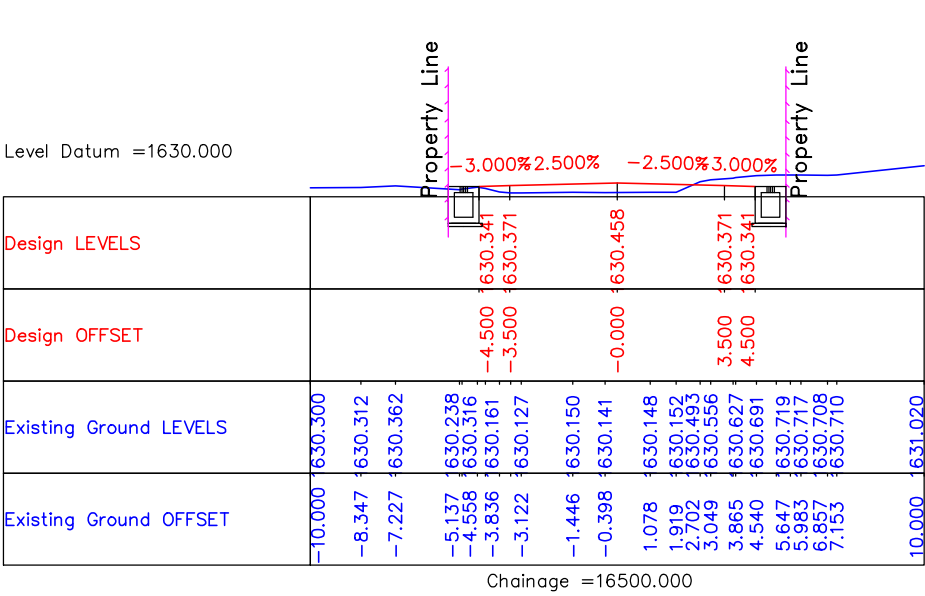
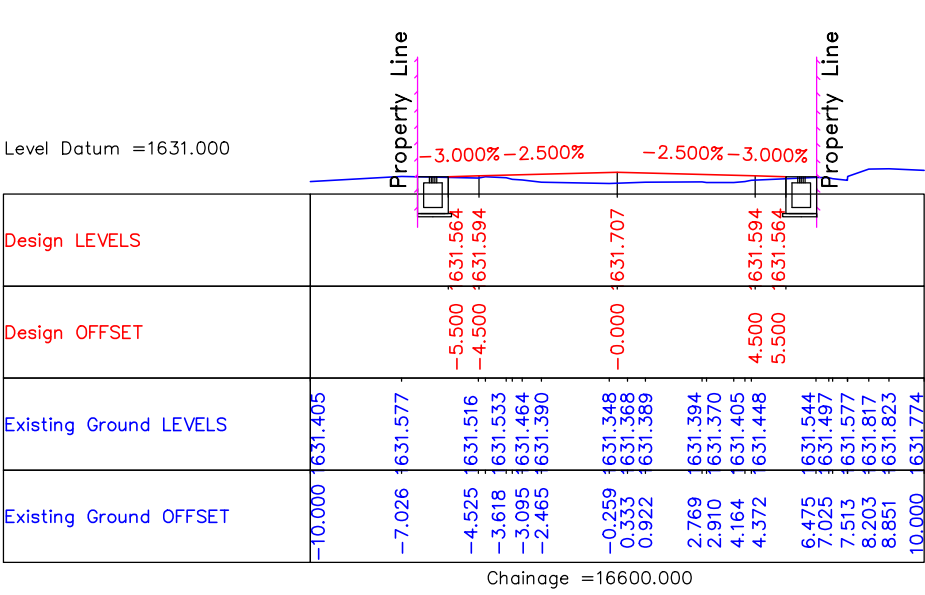
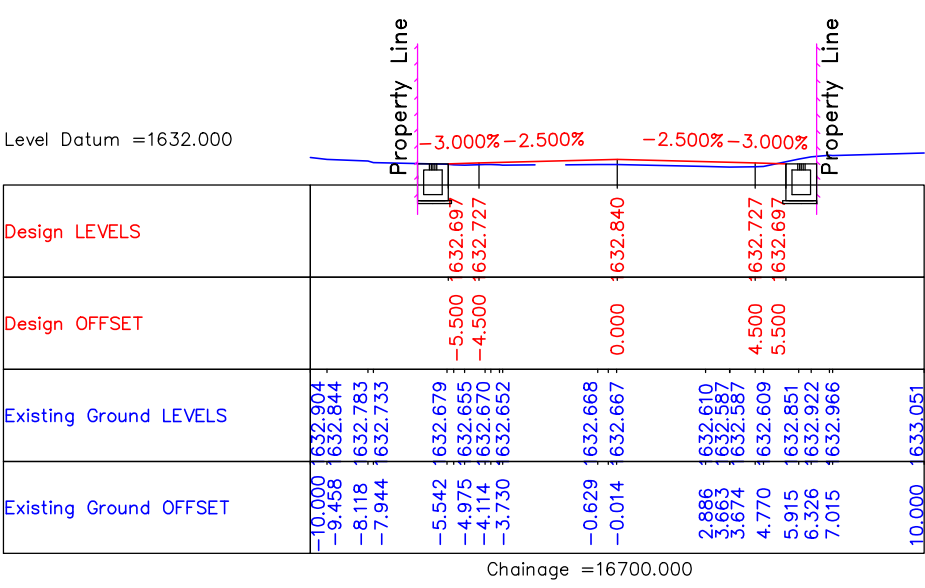
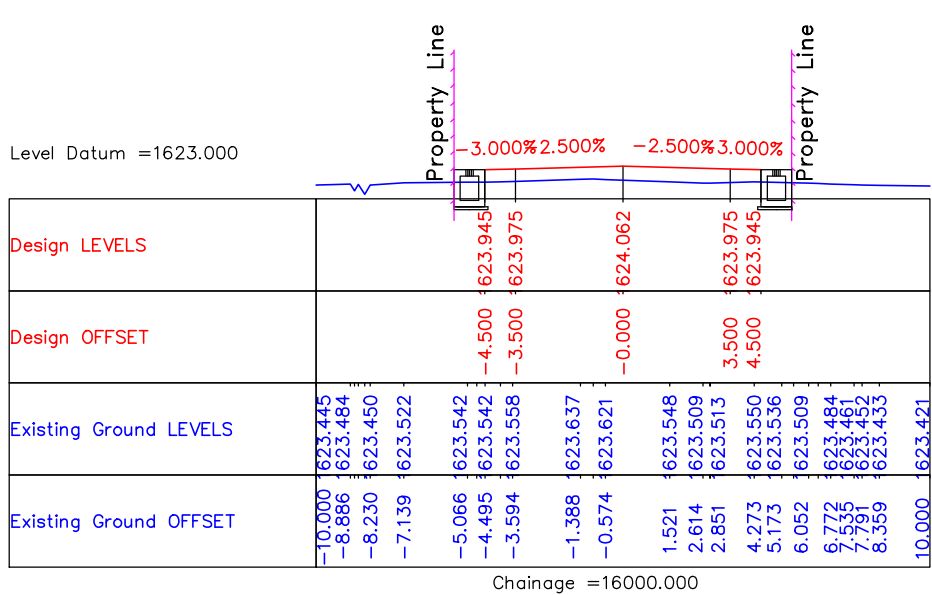
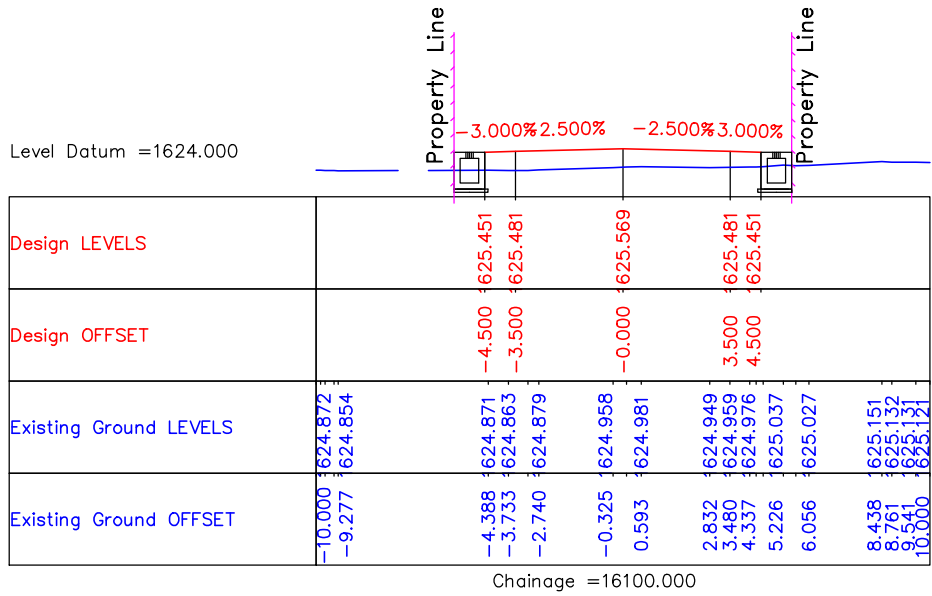
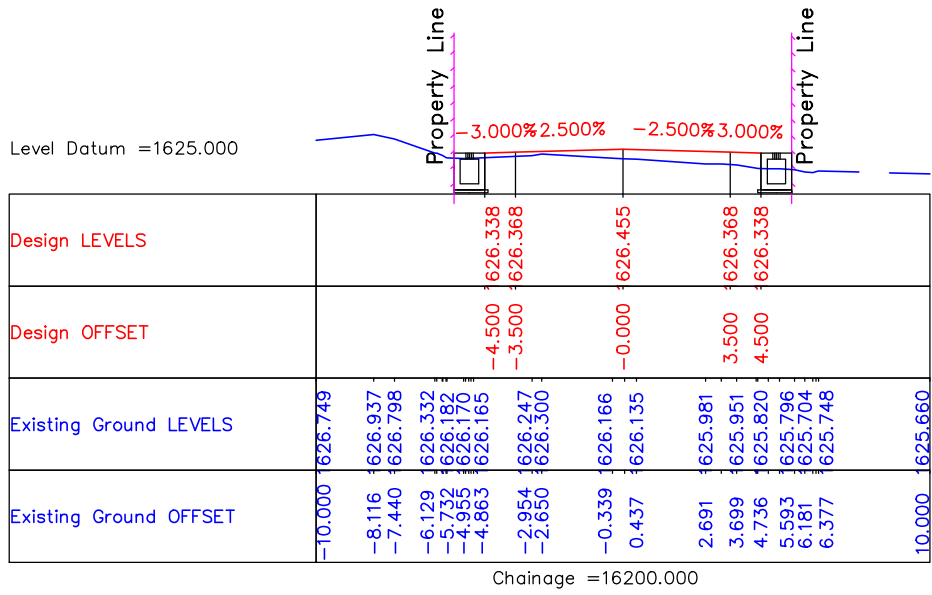
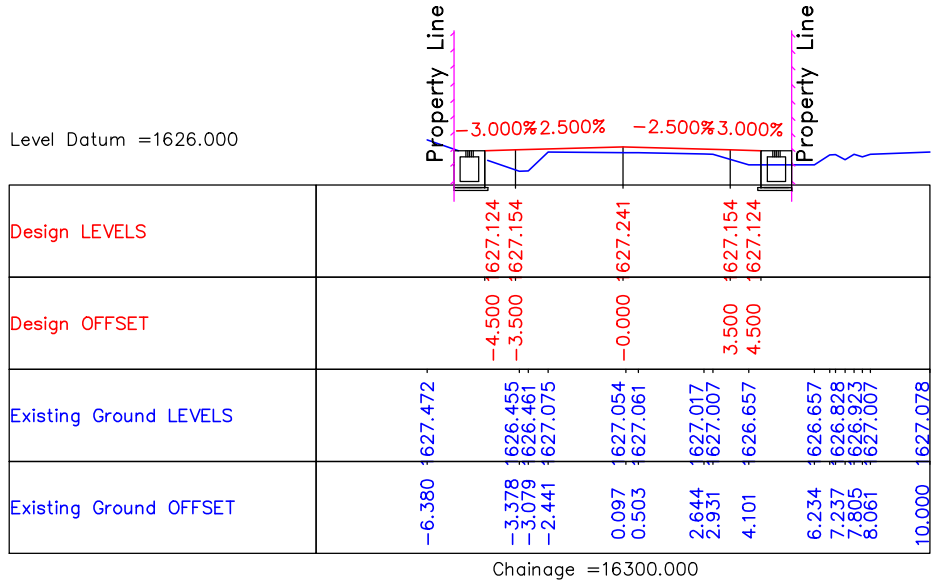


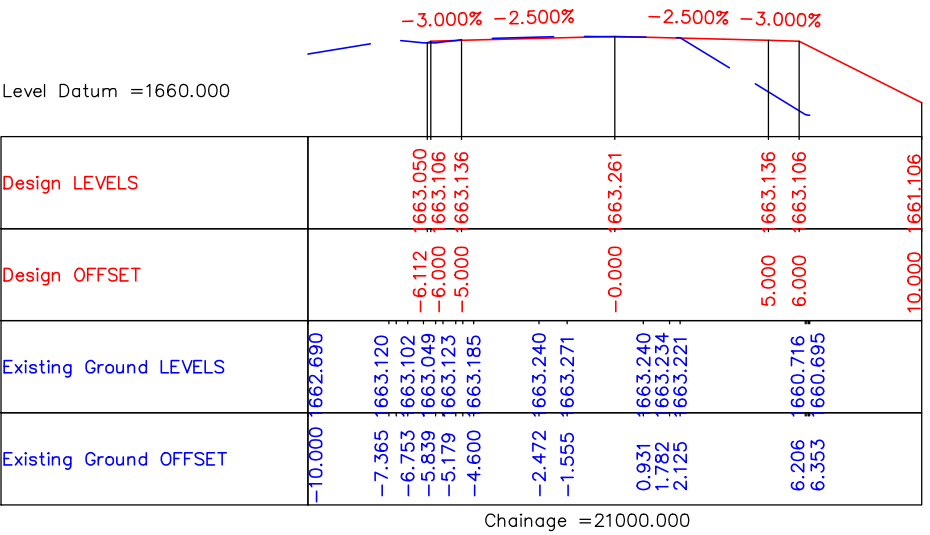
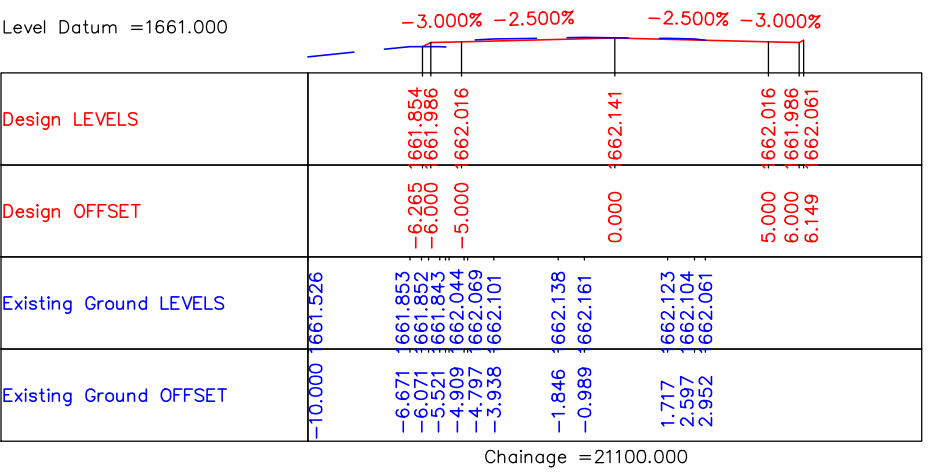
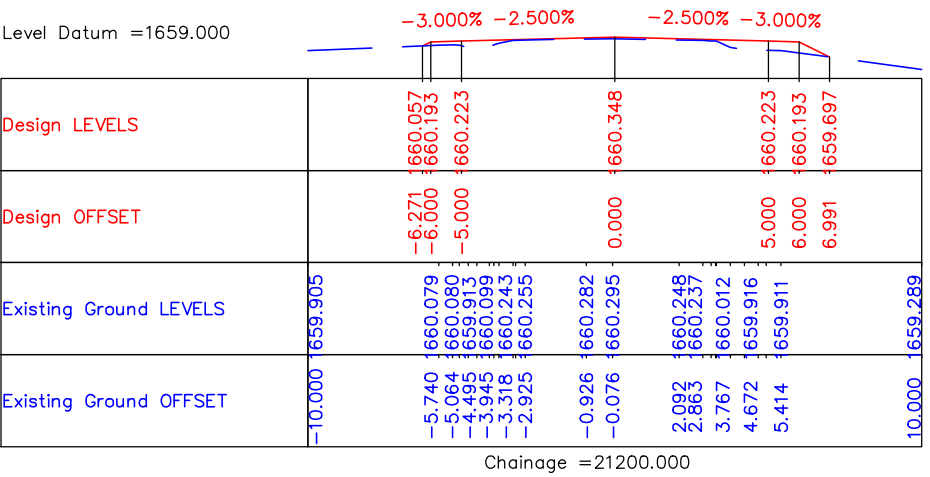
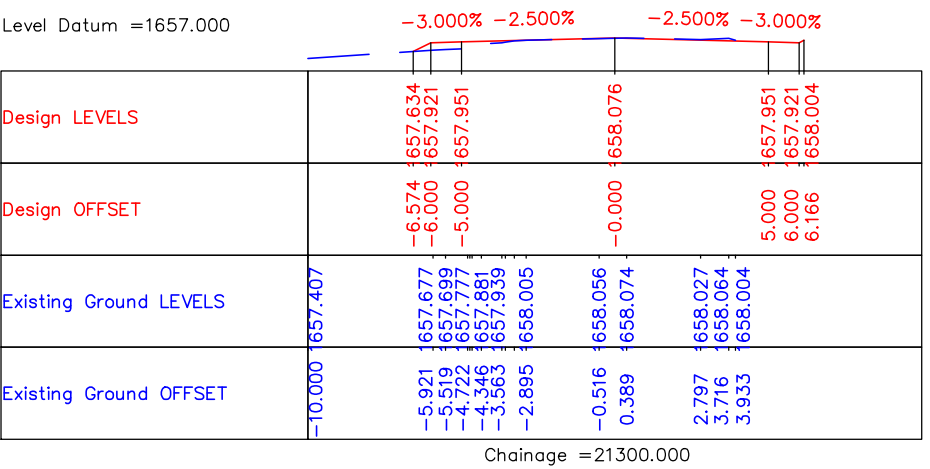
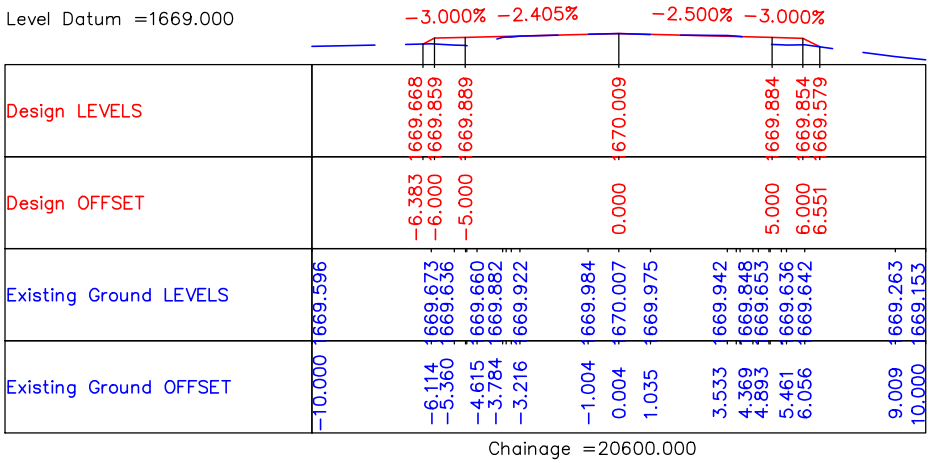
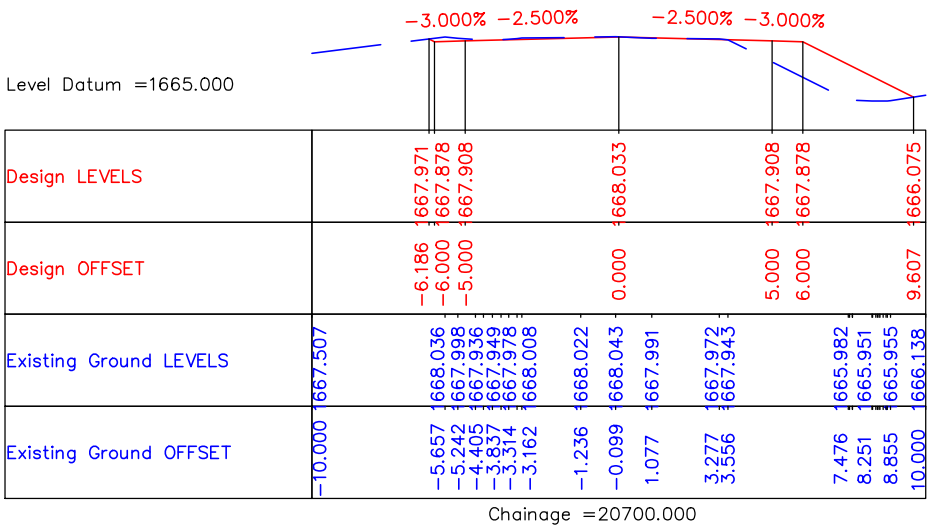
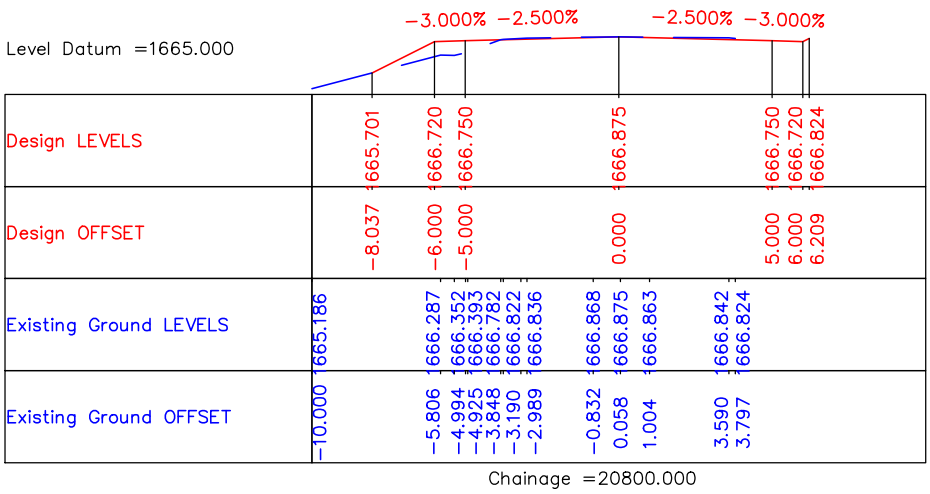
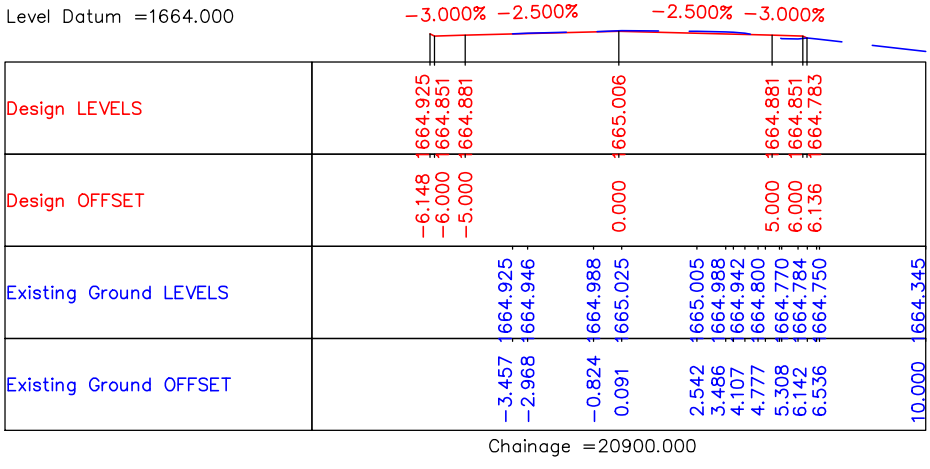
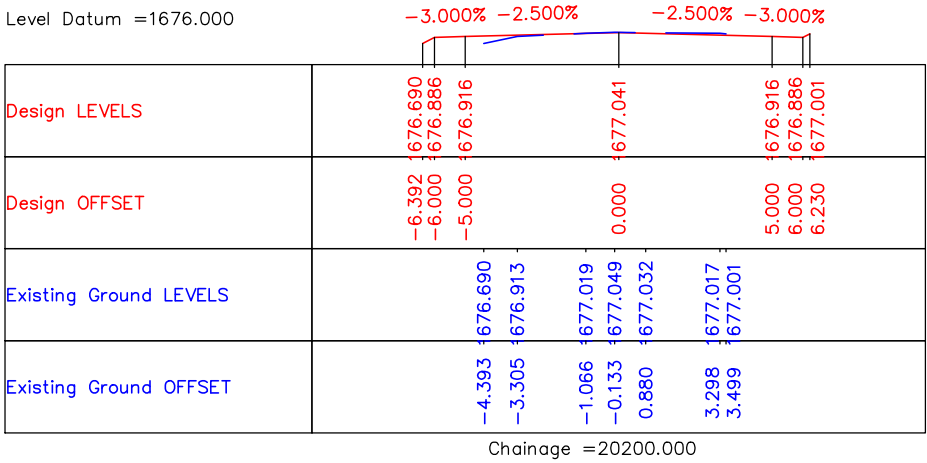
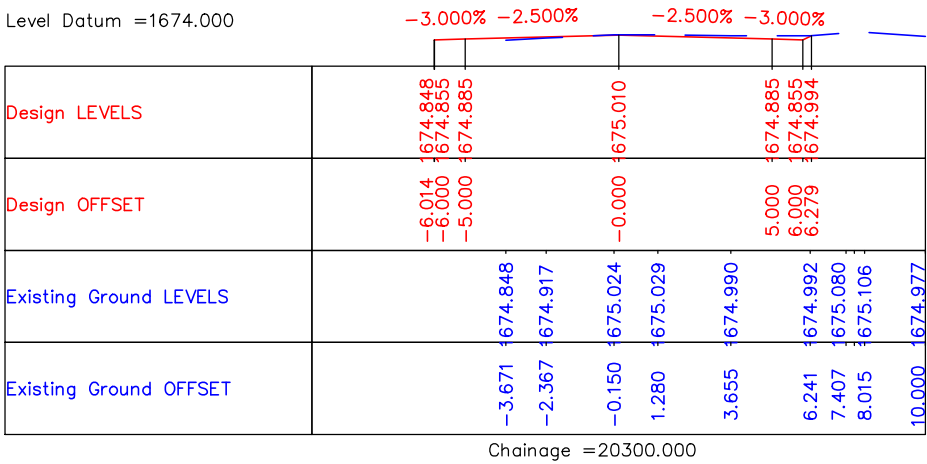
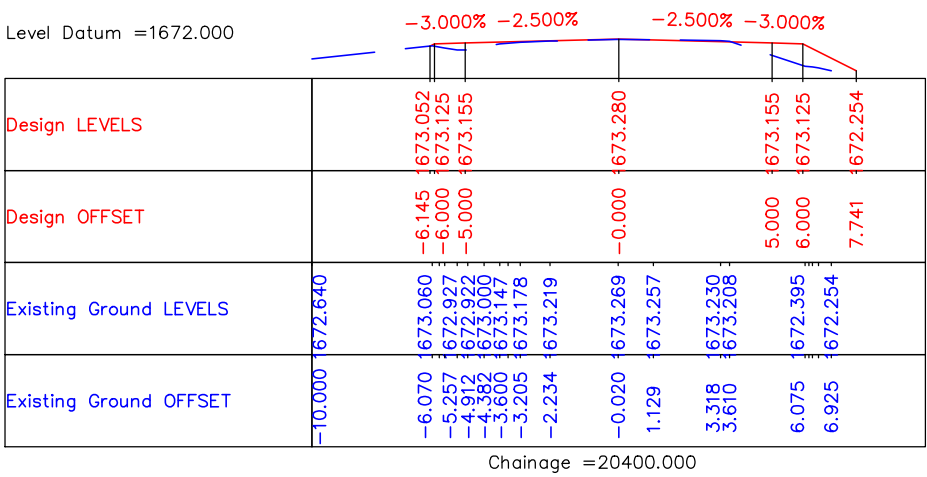
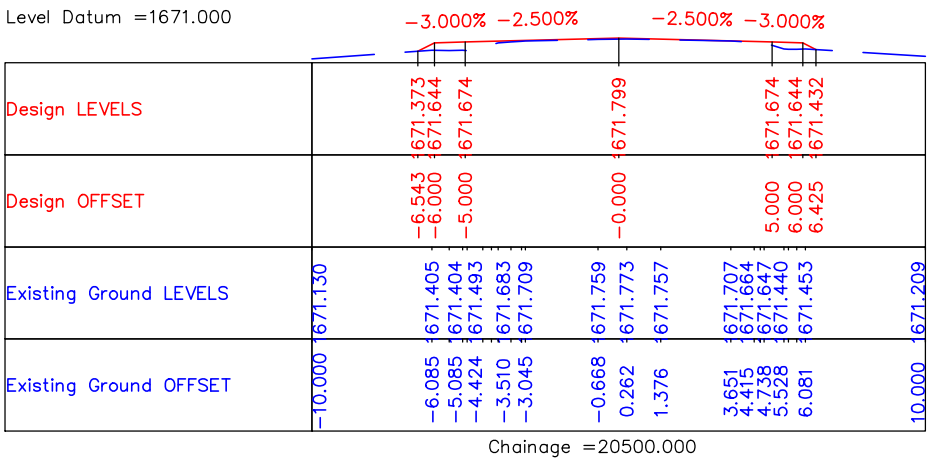
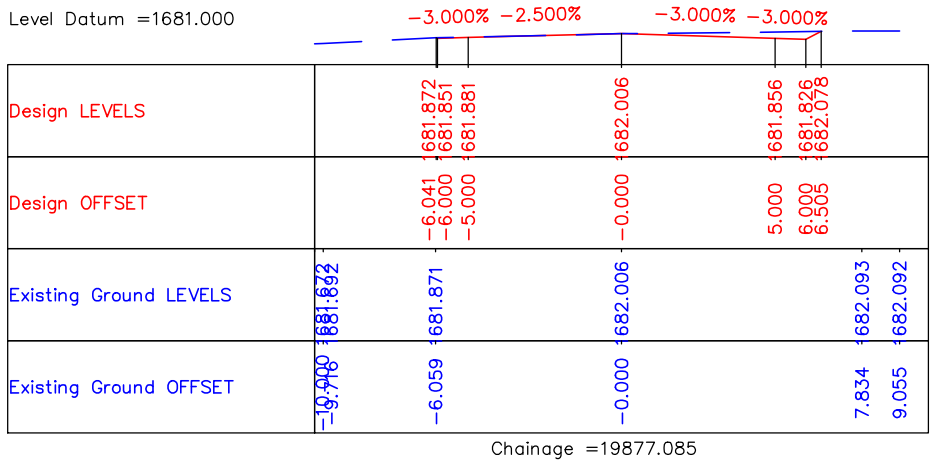
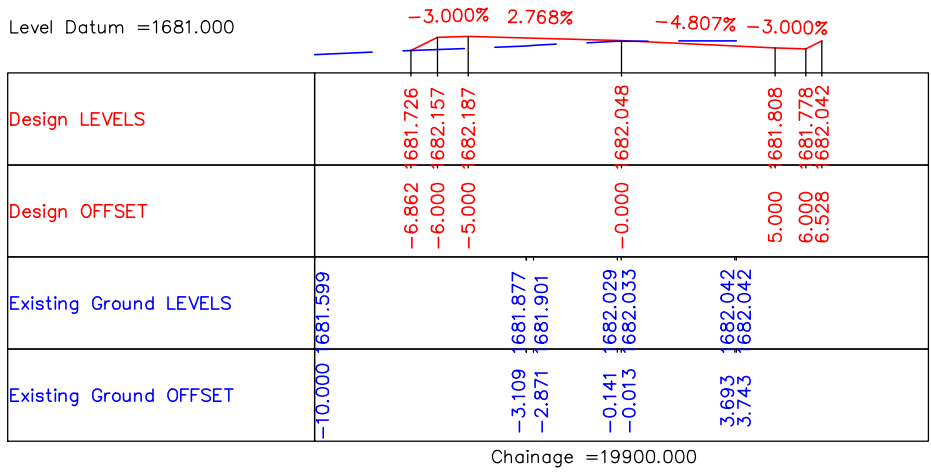
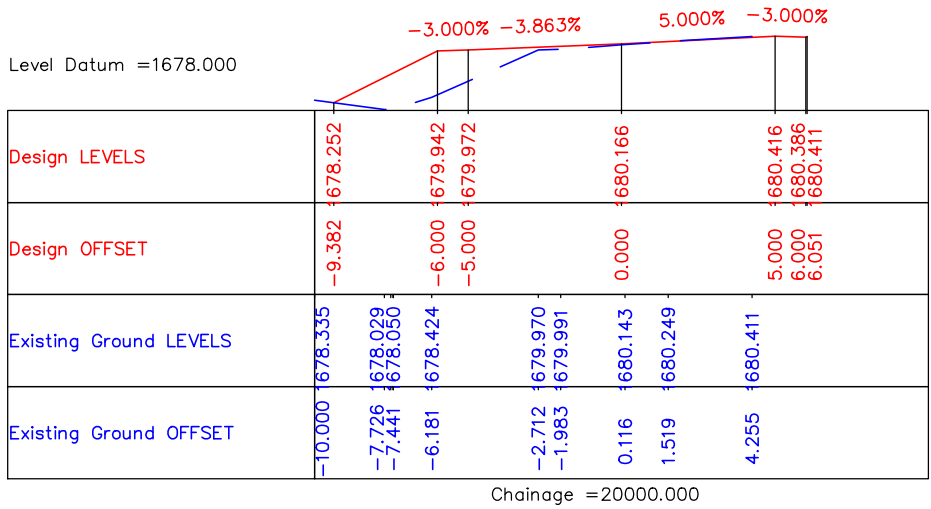
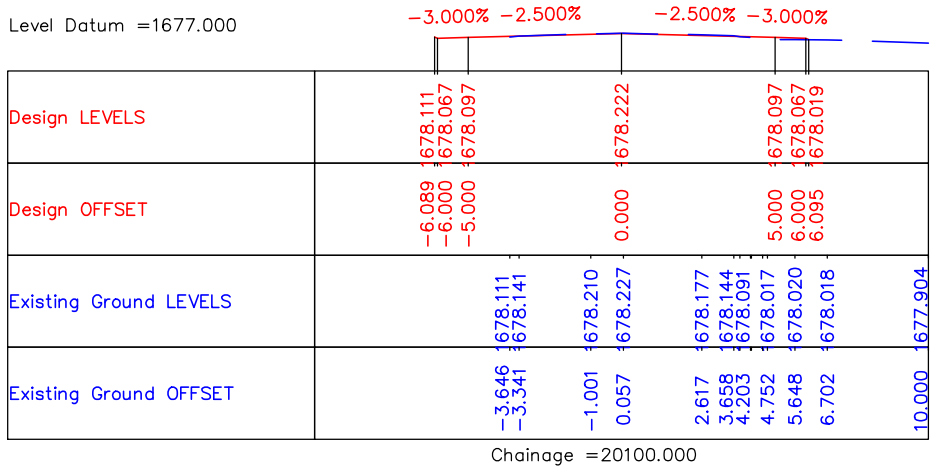
Eptisa Servicios de Ingenieria S.L.
Unit 1203, 12th Floor, Tower 1, PS Srijan
Corporate Park, Plot No. 2, Block EP & GP,
Sector v, Salt Lake Kolkata - 700091,
West Bengal
Ph: 033-40347200
www.eptisa.com

REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE	1 : 250

TITLE :	Detailed Cross Section (Ch.14+000 Km to Ch.15+900 Km)
DRG. NO. :	EPTISA/JTRP/DPR/J&K/DCS/10
REVISION : R-1	August 2019





CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Rambagh-Lasjan-Kadalbal Road)

DESIGN CONSULTANT:



Eptisa Servicios de Ingenieria S.L.
Unit 1203, 12th Floor, Tower 1, PS Srijan
Corporate Park, Plot No. 2, Block EP & GP,
Sector v, Salt Lake Kolkata - 700091,
West Bengal
Ph: 033-40347200
www.eptisa.com

REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE 1 : 250

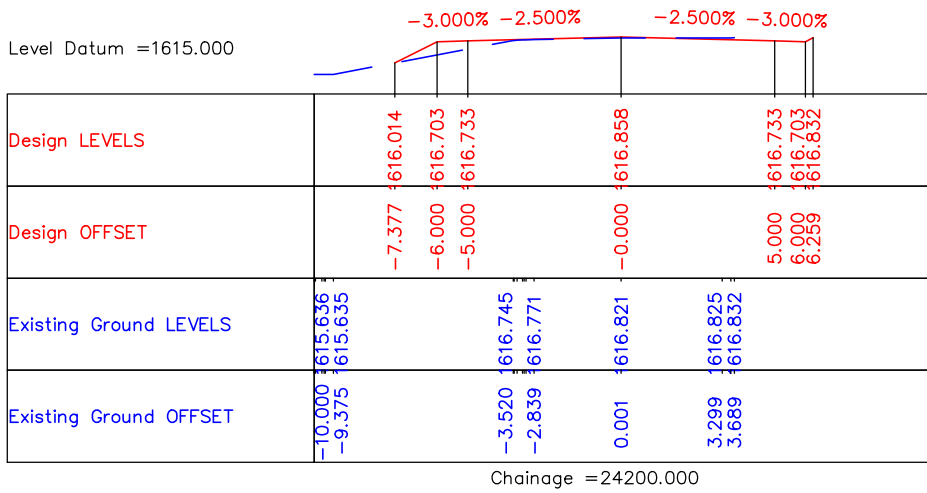
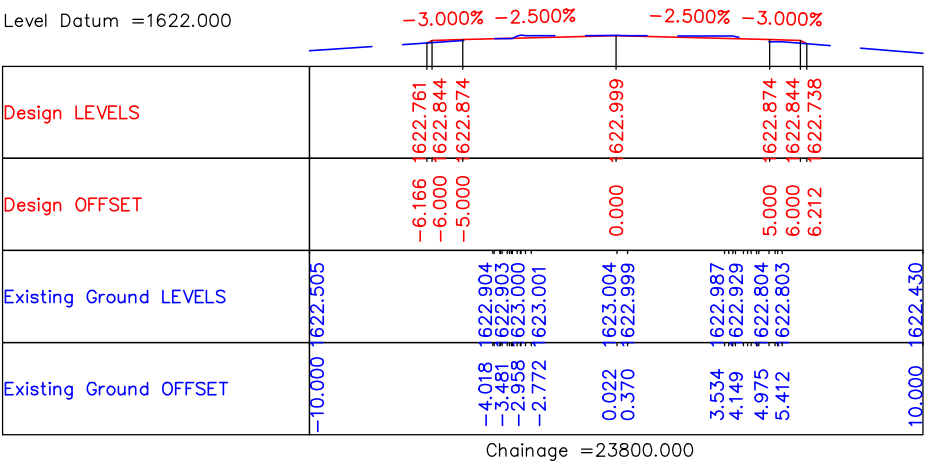
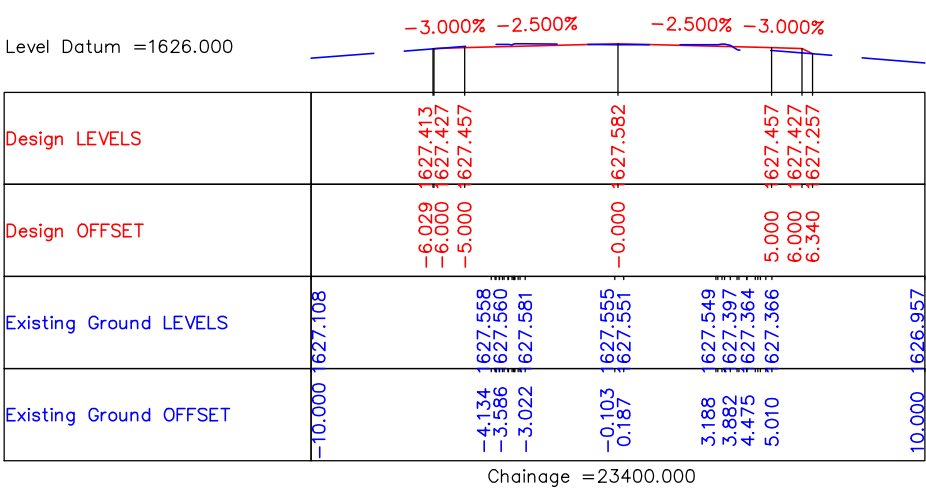
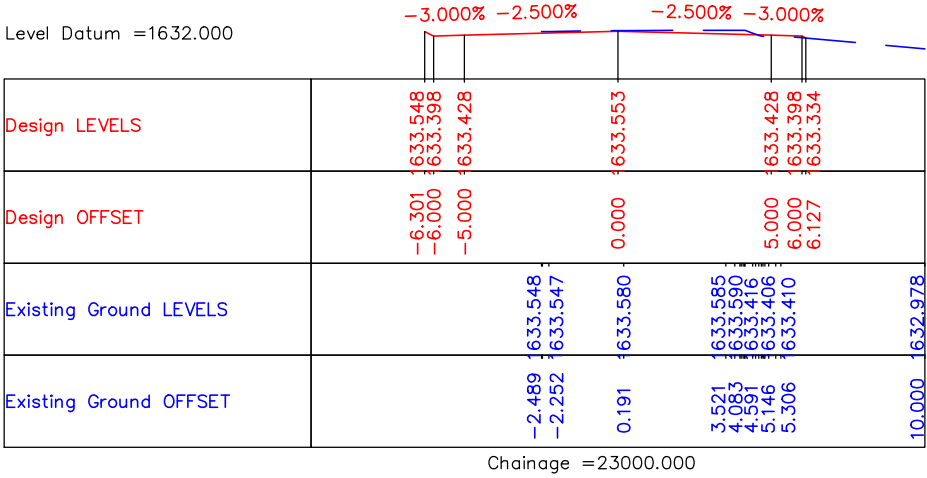
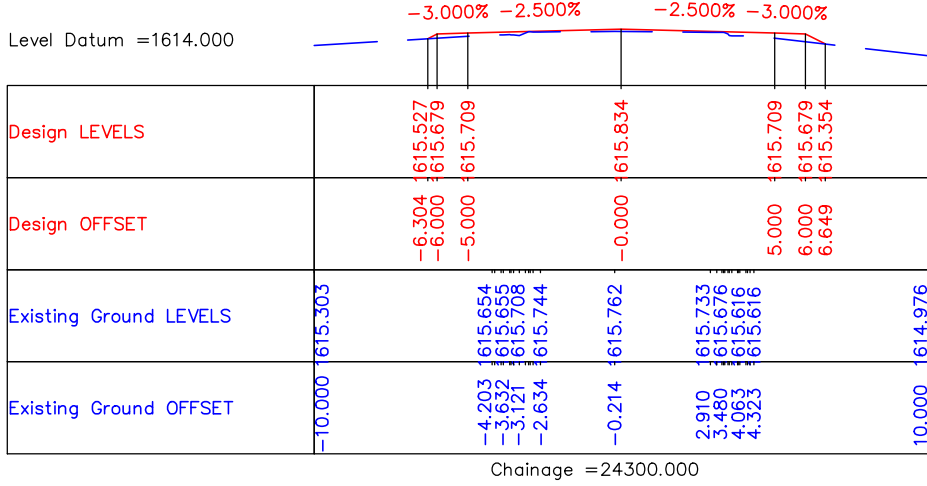
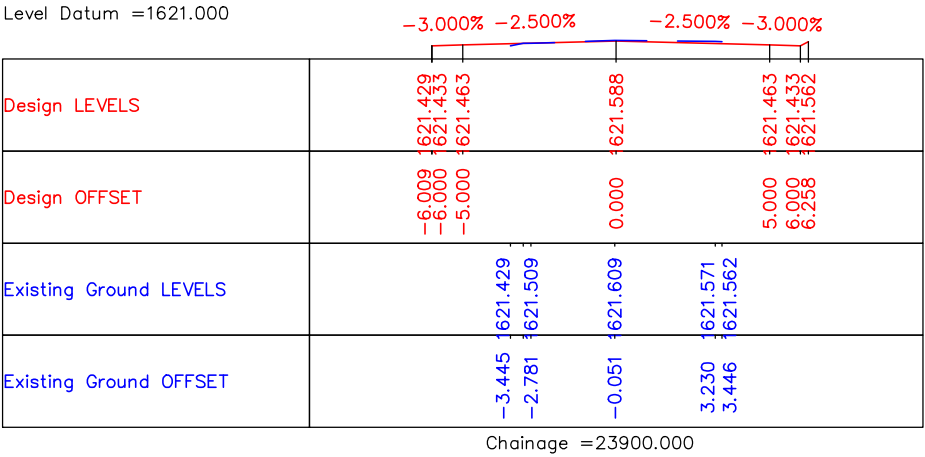
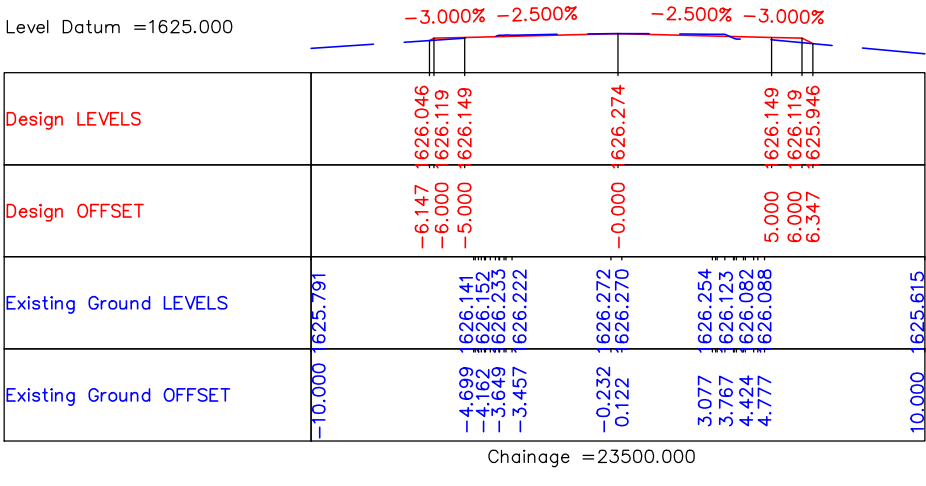
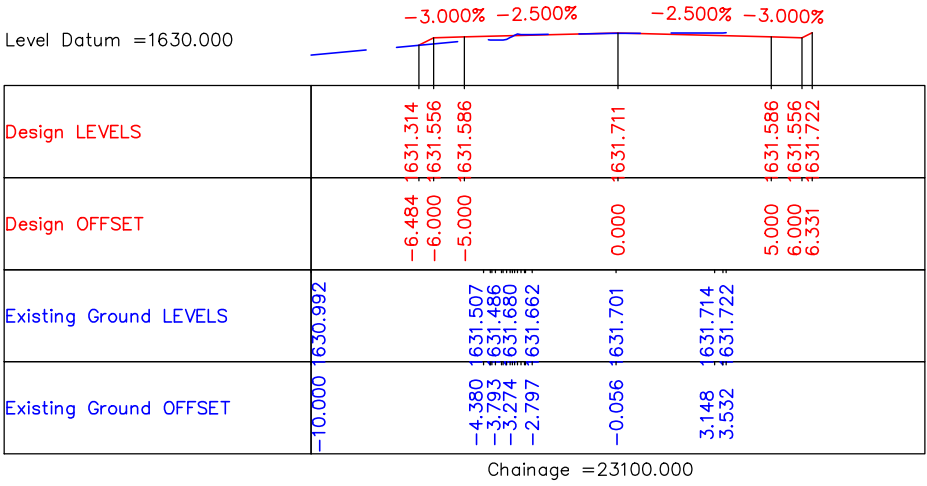
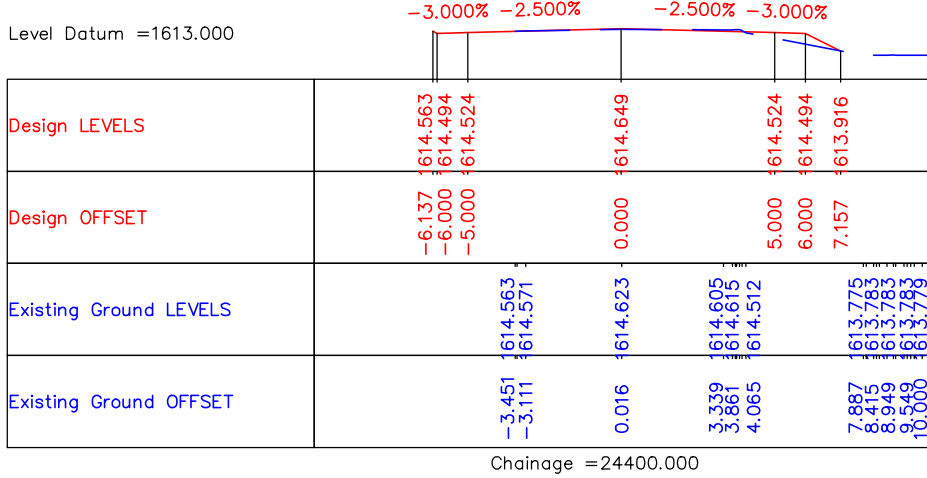
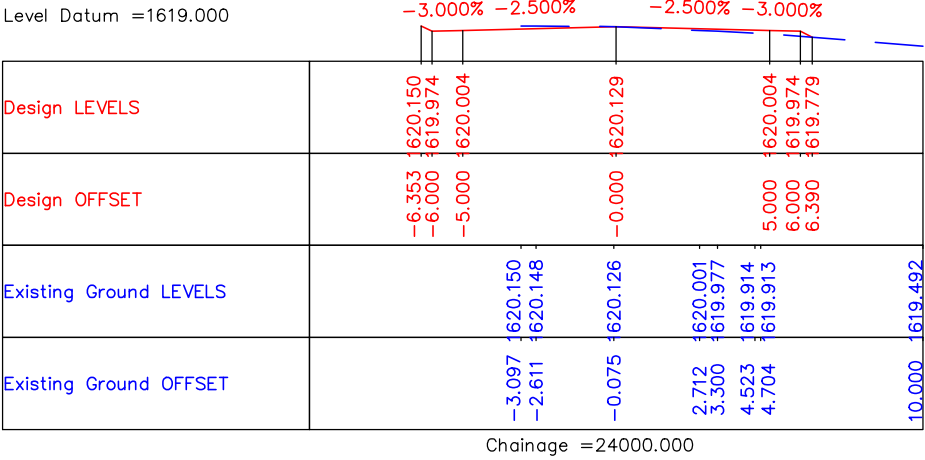
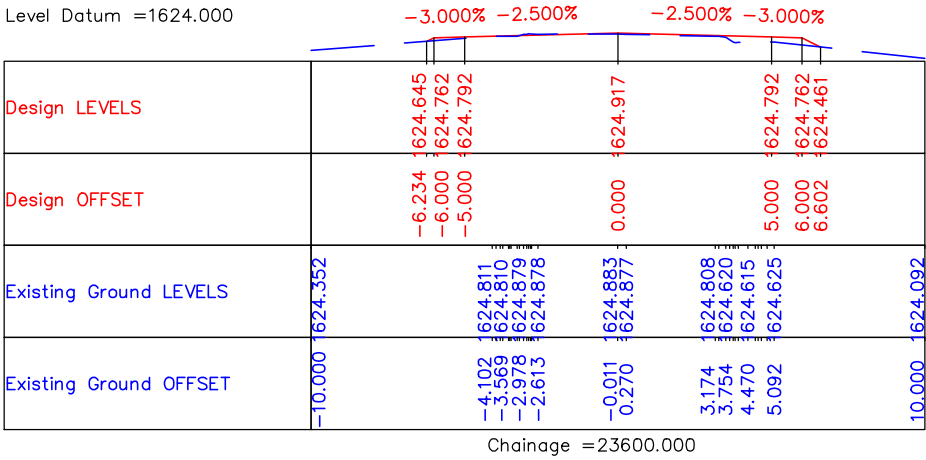
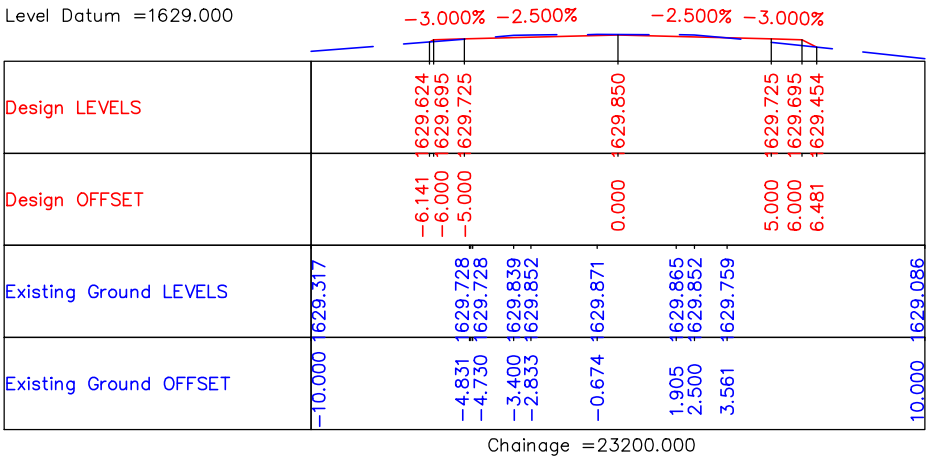
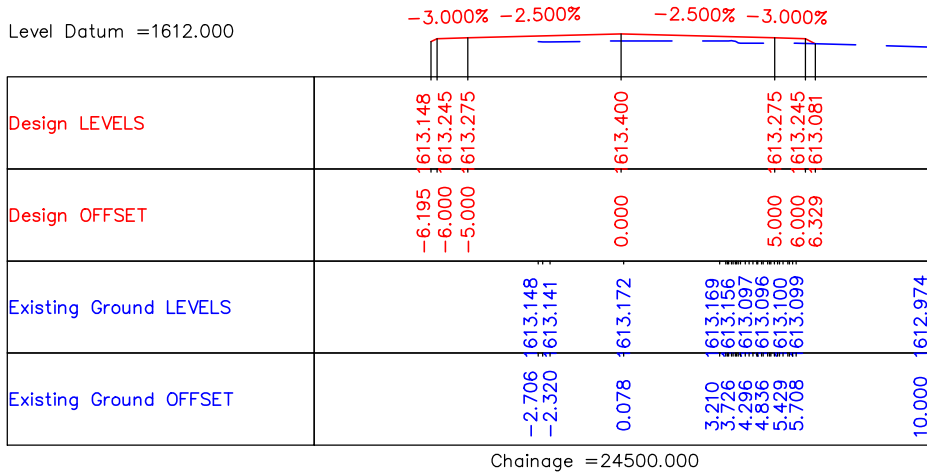
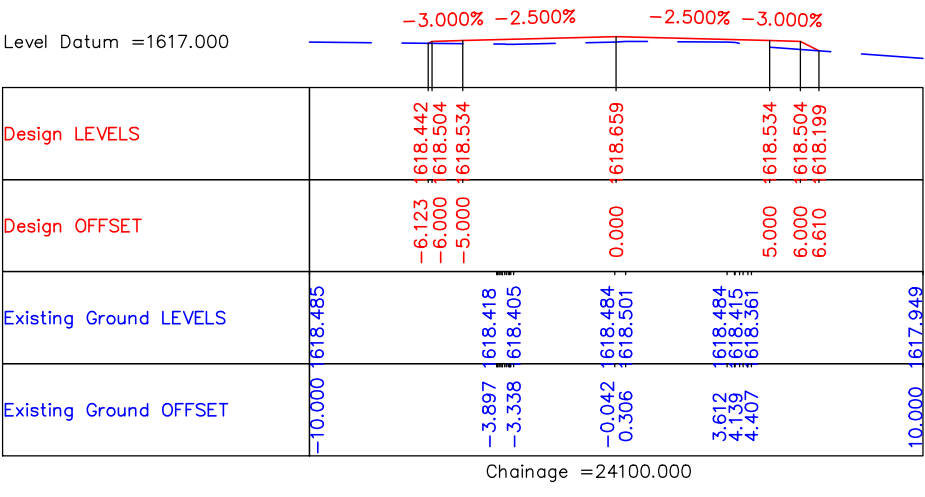
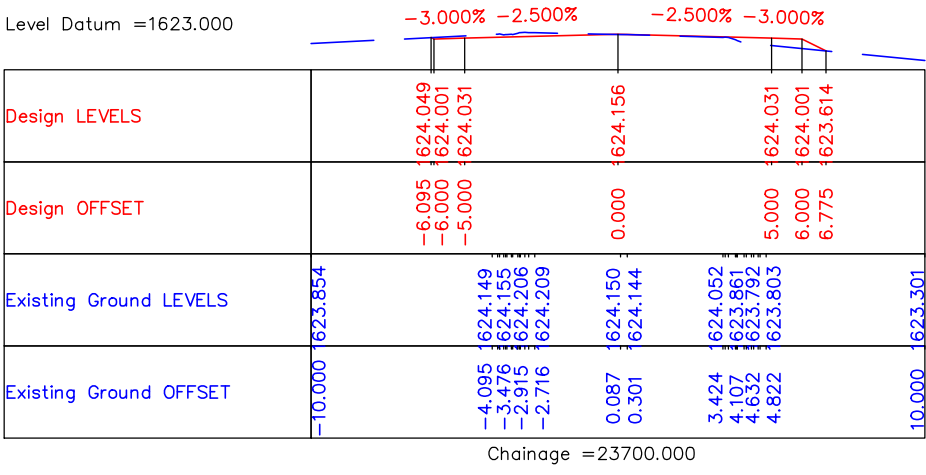
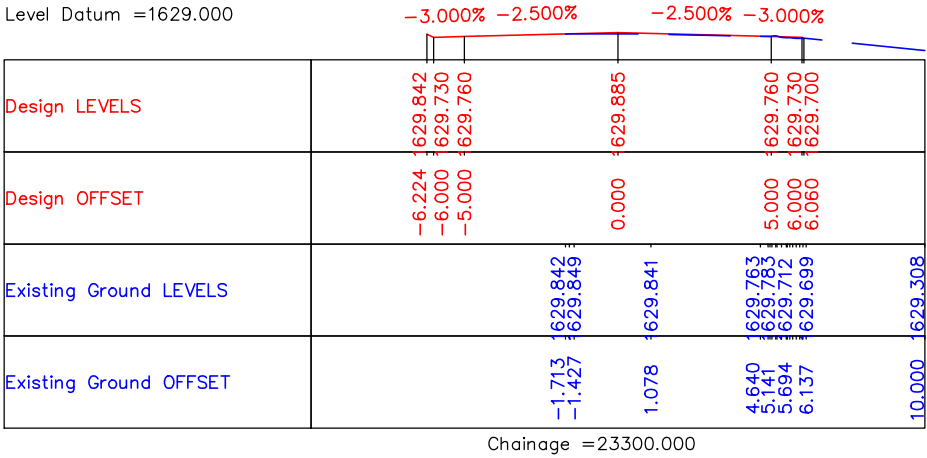
TITLE :

**Detailed Cross Section
(Ch. 19+877 Km to Ch. 21+300 Km)**

DRG. NO. :EPTISA/JTFRP/DPR/J&K/DCS/13

REVISION : R-1

August 2019



CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Rambagh-Lasjan-Kadalbal Road)

DESIGN CONSULTANT:



Eptisa Servicios de Ingenieria S.L.
Unit 1203, 12th Floor, Tower 1, PS Srijan
Corporate Park, Plot No. 2, Block EP & GP,
Sector v, Salt Lake Kolkata - 700091,
West Bengal
Ph: 033-40347200
www.eptisa.com

REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE 1 : 250

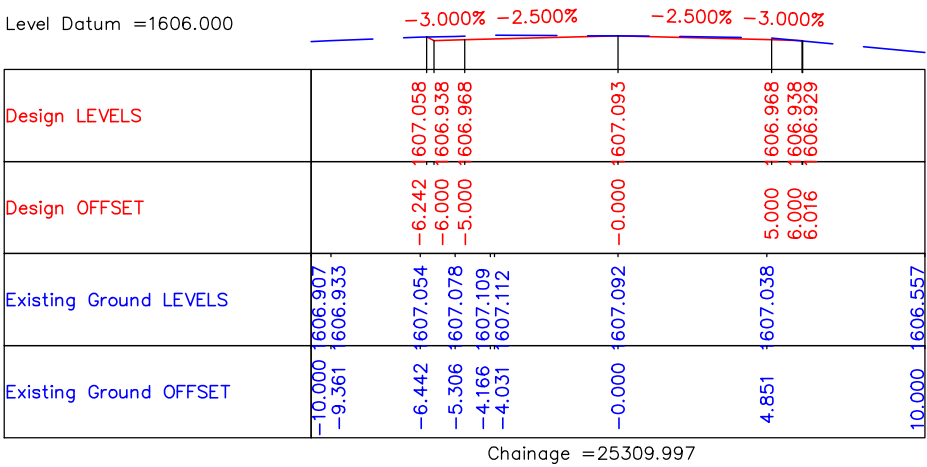
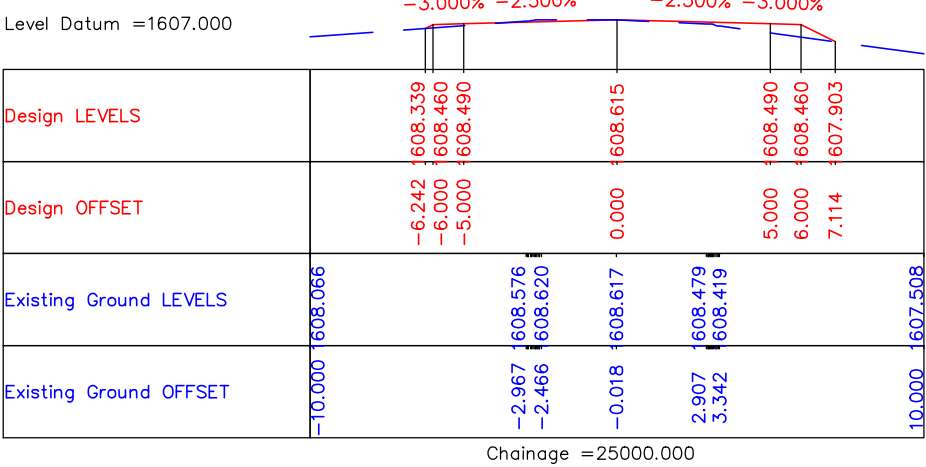
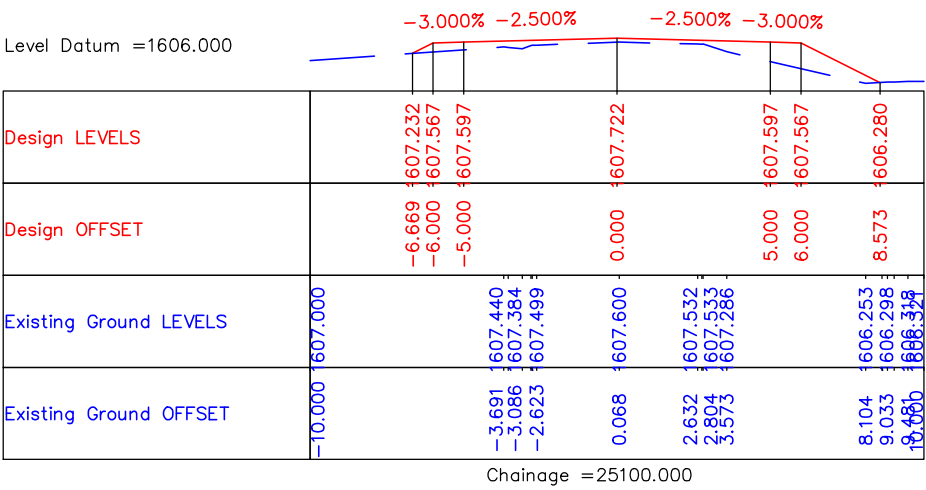
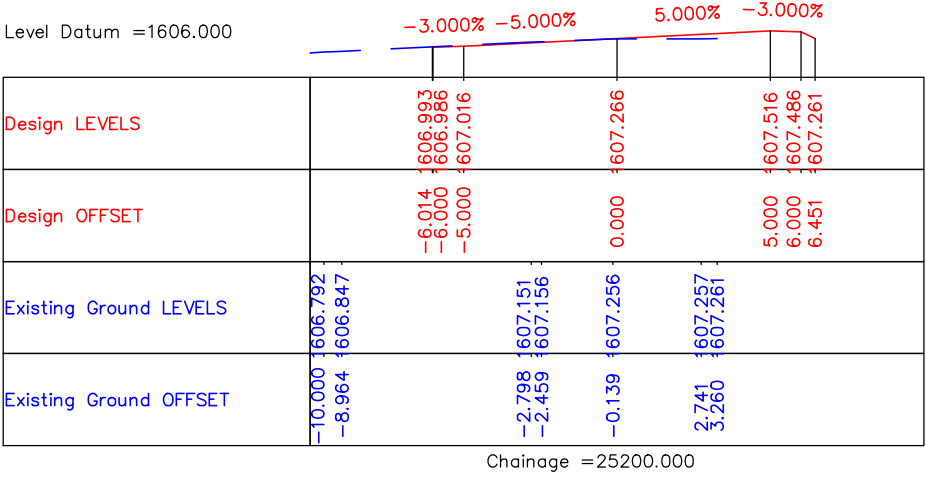
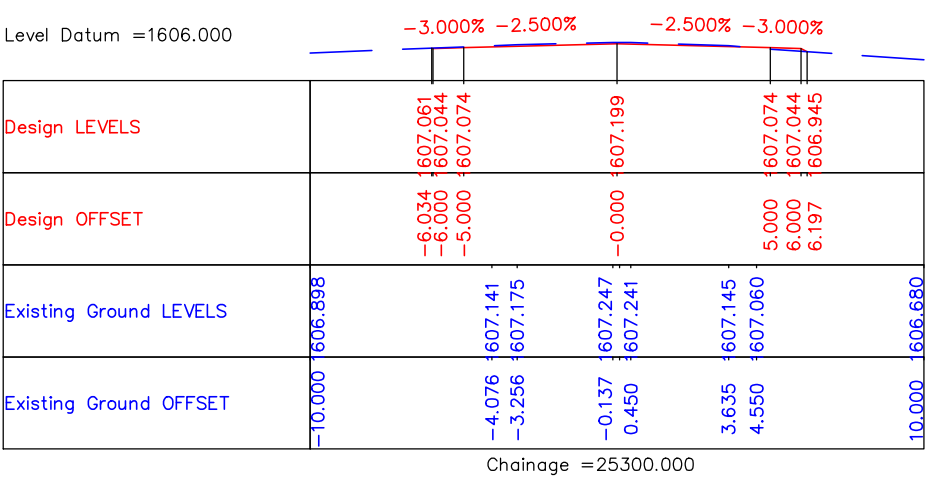
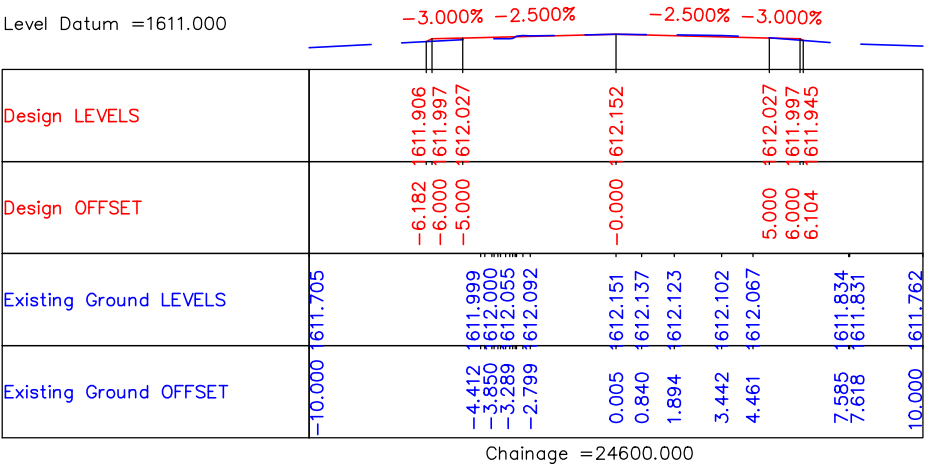
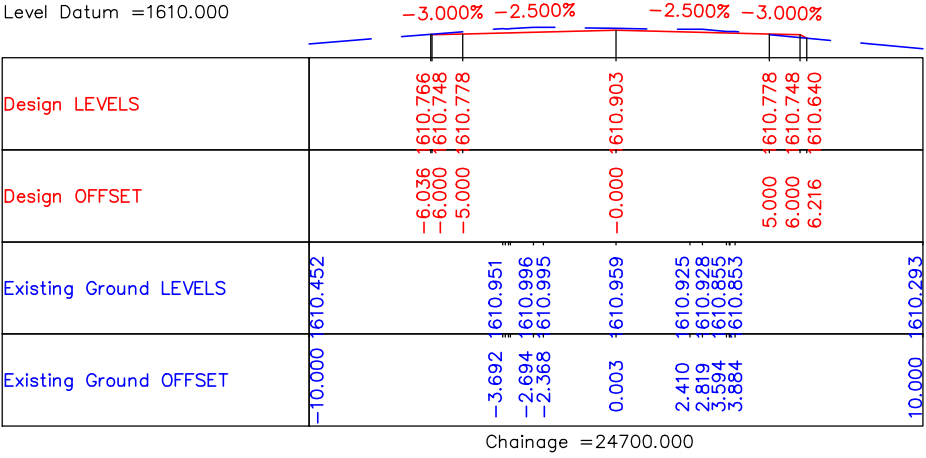
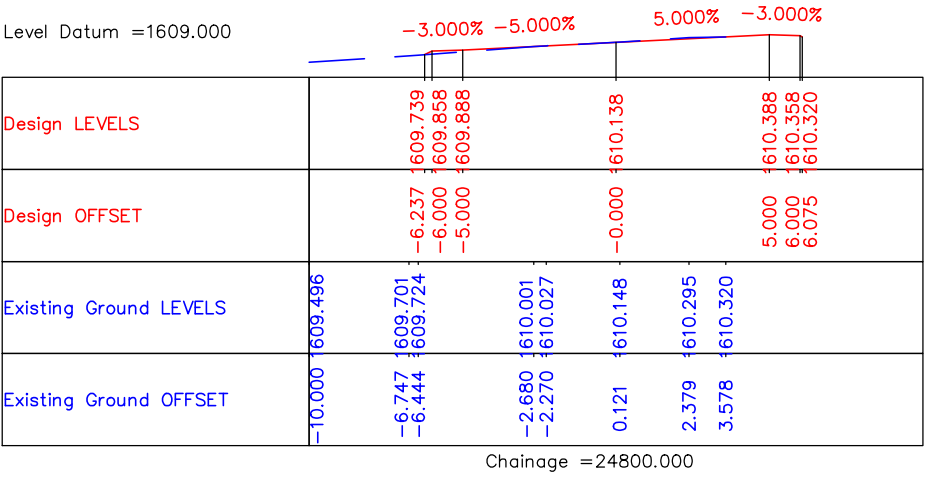
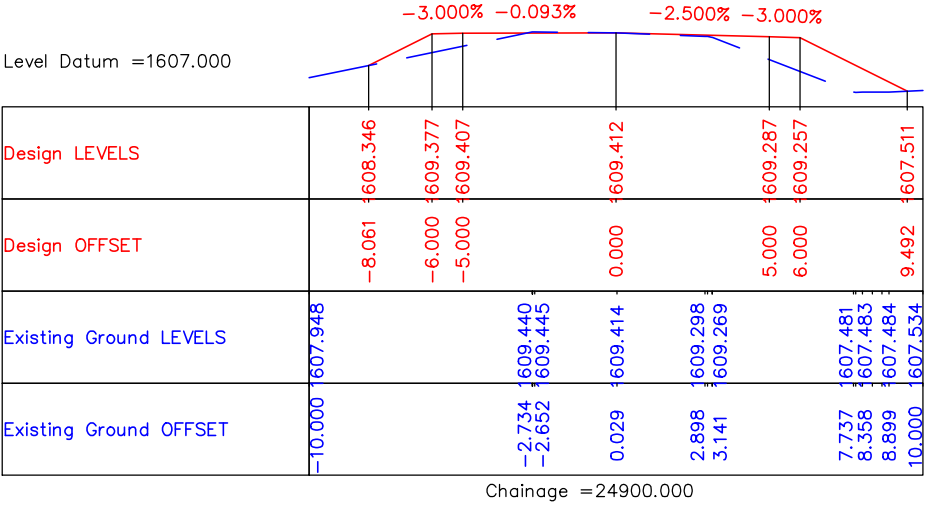
TITLE :

**Detailed Cross Section
(Ch. 23+000 Km to Ch. 24+500 Km)**

DRG. NO. :EPTISA/JTFRP/DPR/J&K/DCS/15

REVISION : R-1

August 2019



CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Rambagh-Lasjan-Kadalbal Road)

DESIGN CONSULTANT:



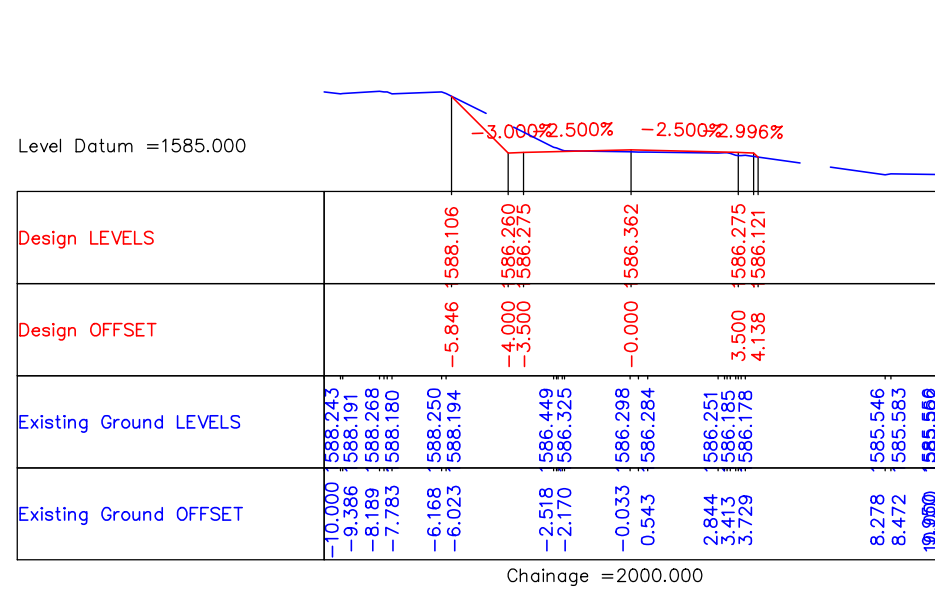
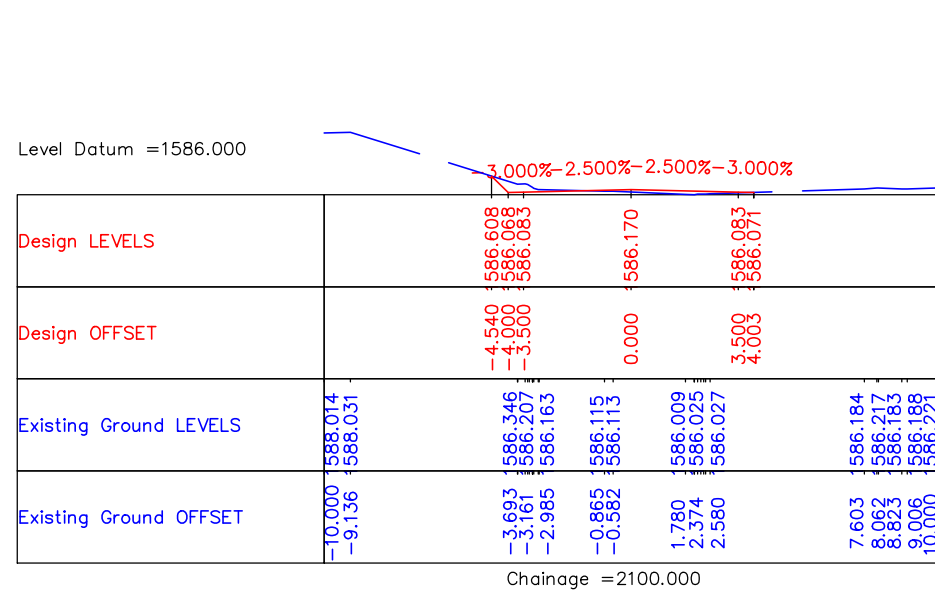
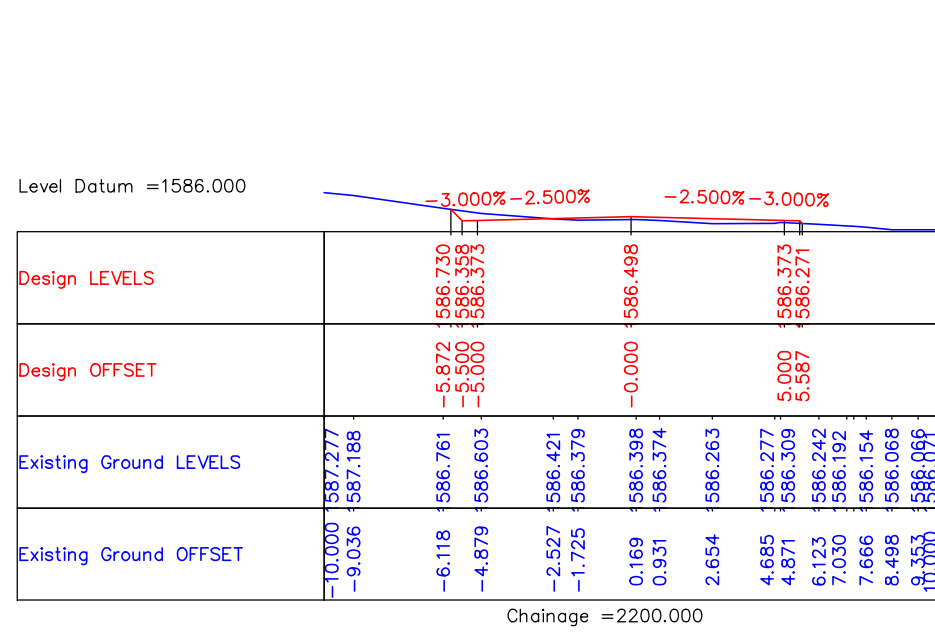
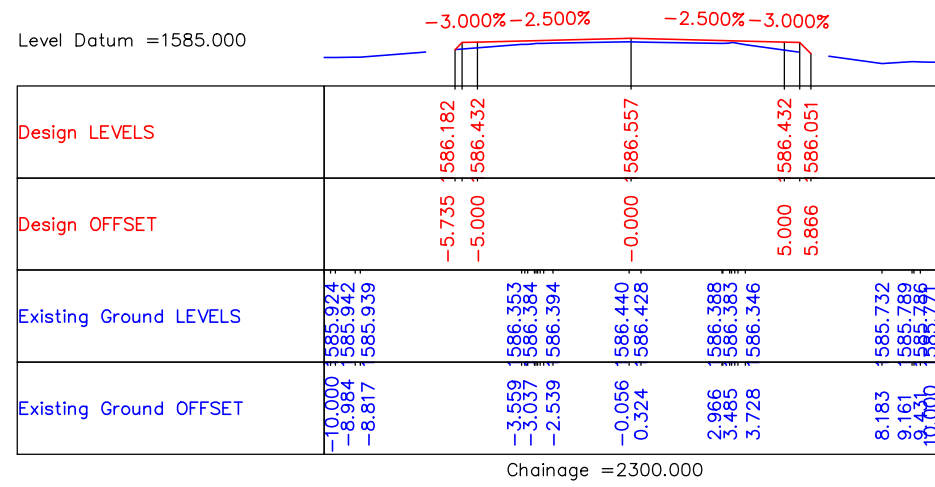
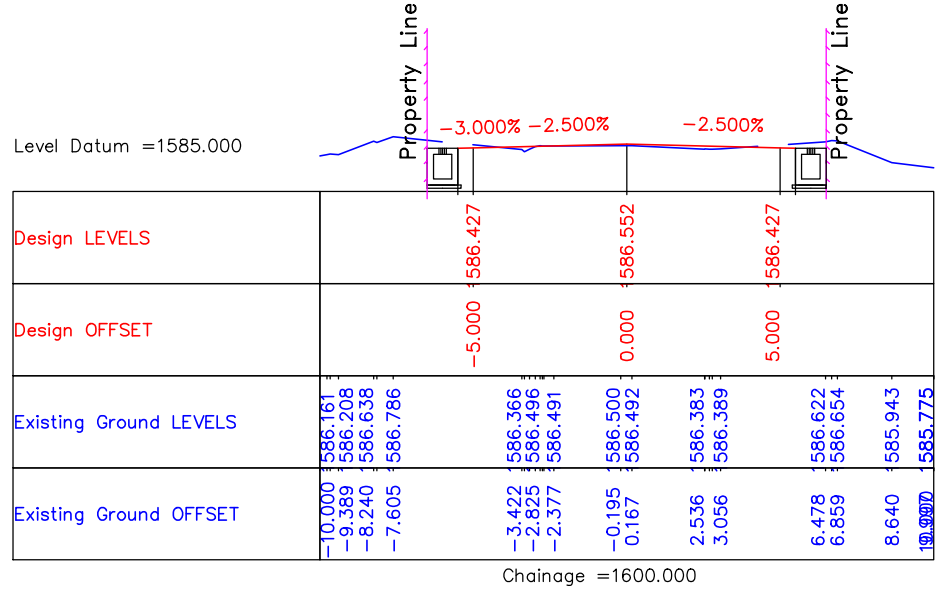
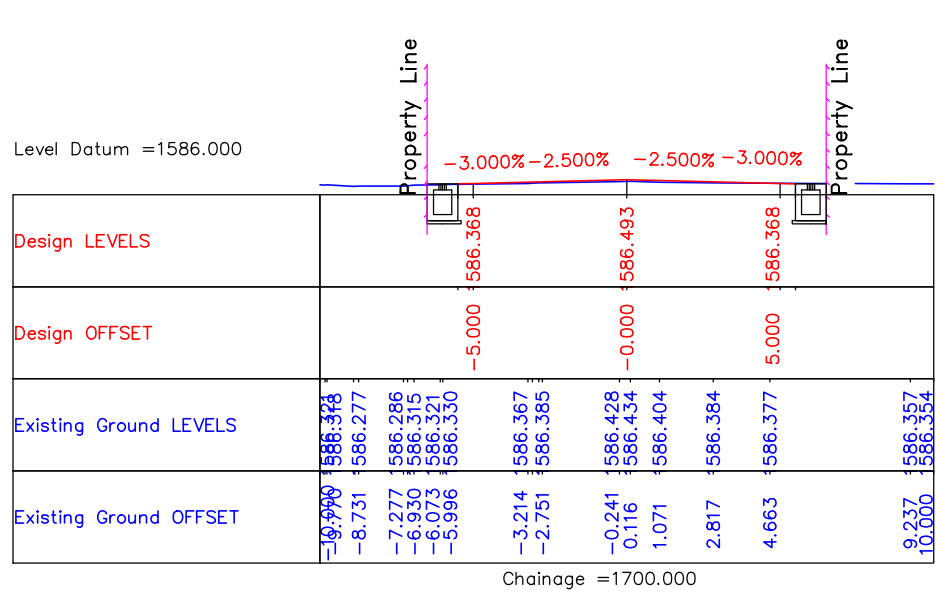
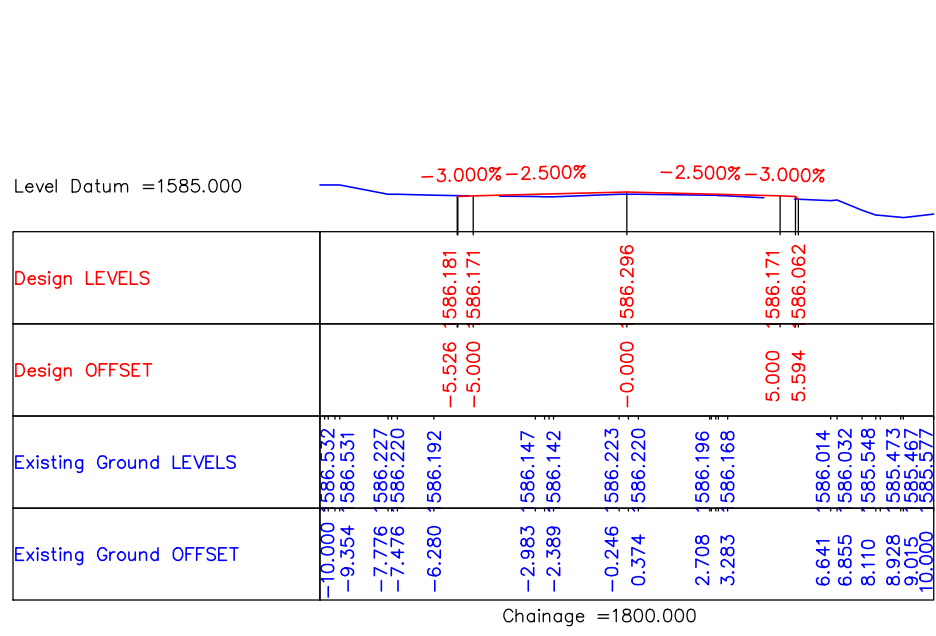
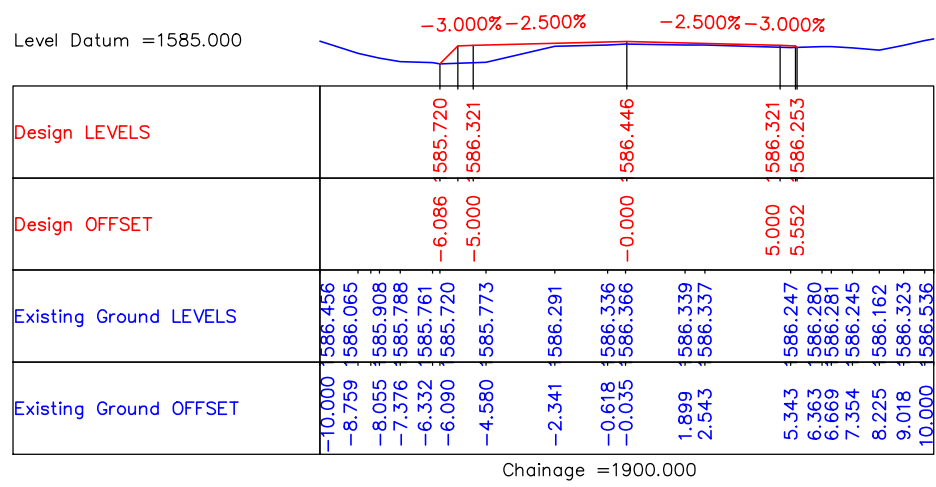
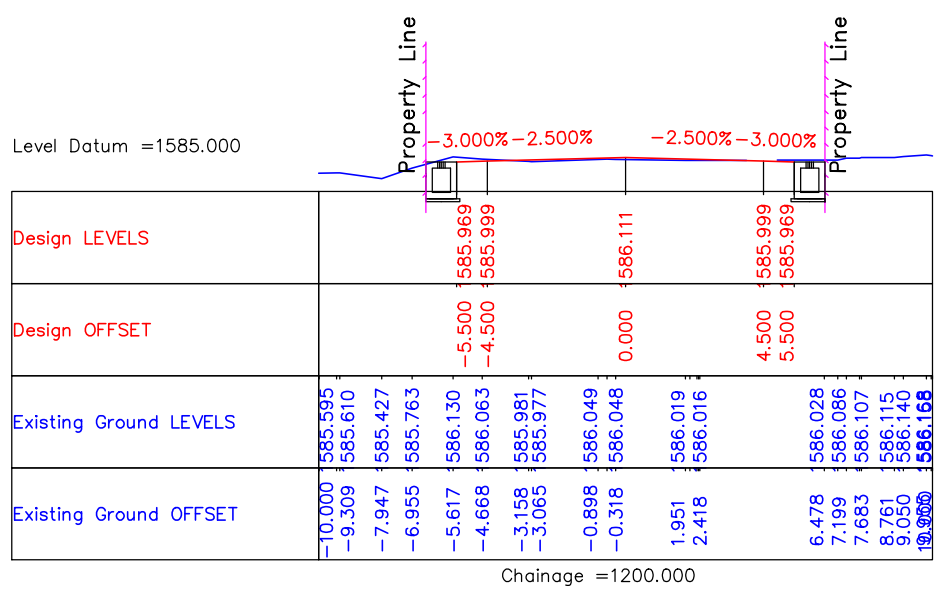
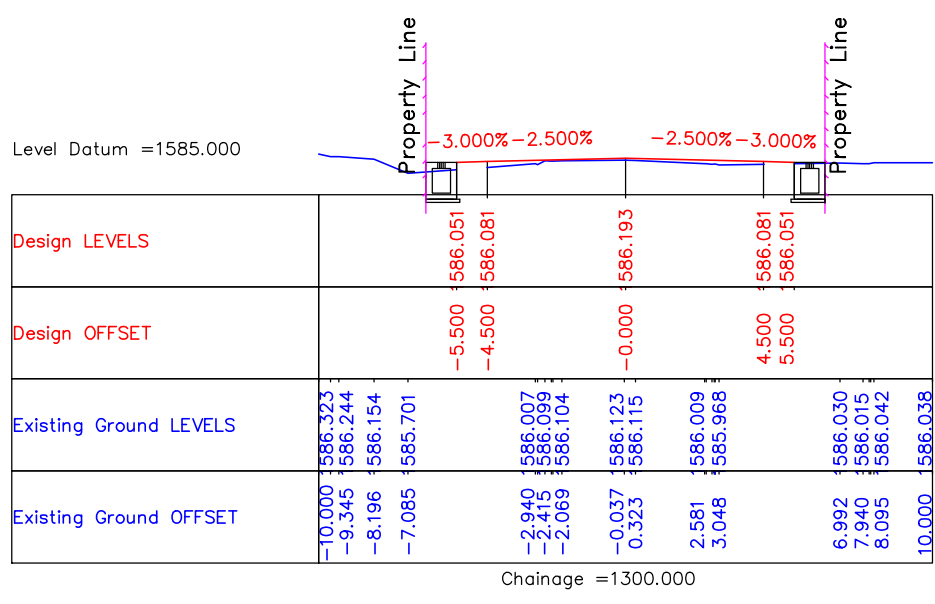
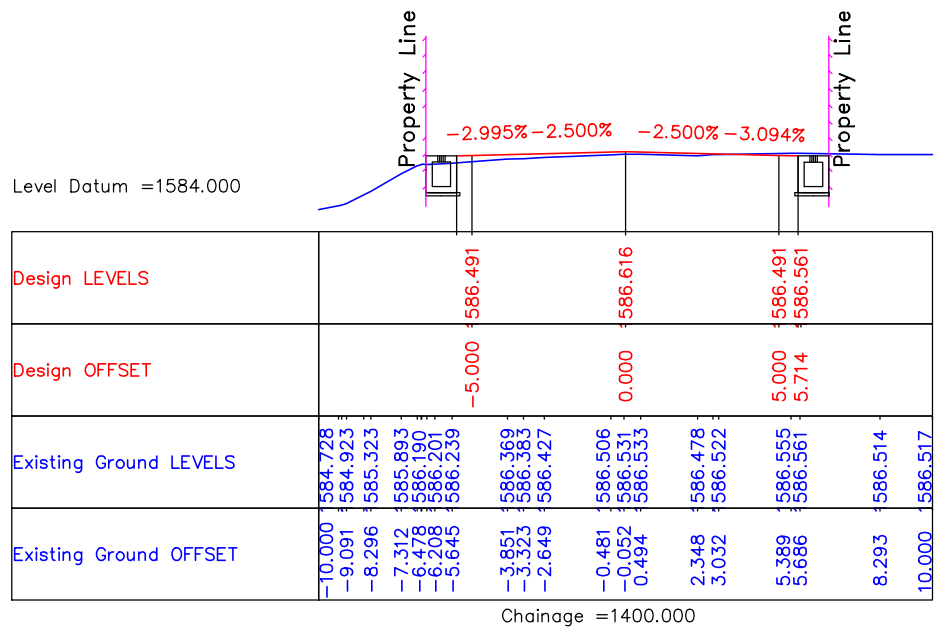
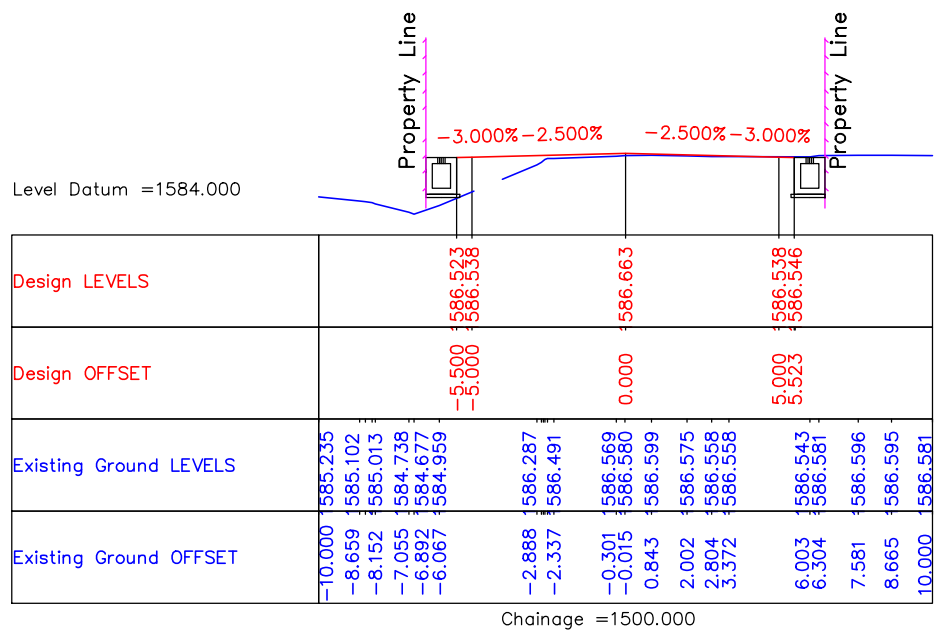
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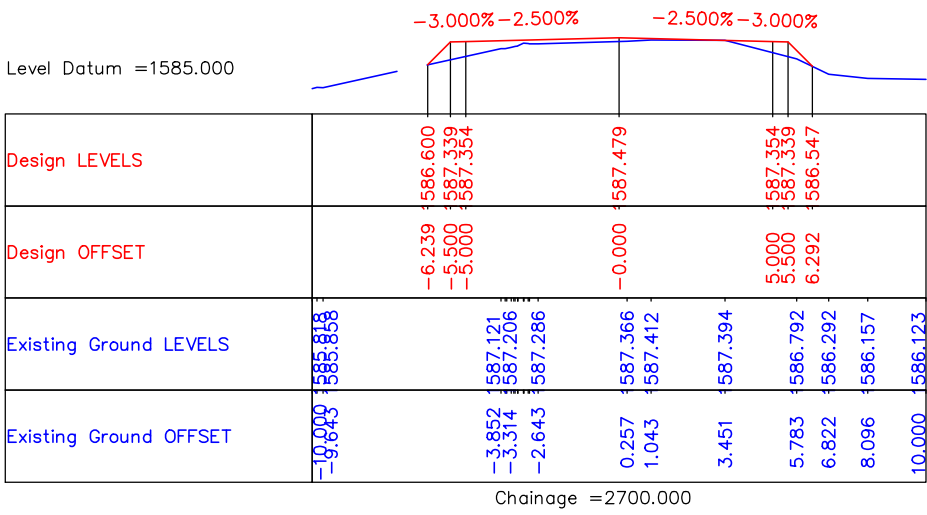
REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE	1 : 250

TITLE :	Detailed Cross Section (Ch. 24+600 Km to Ch. 25+309 Km)
DRG. NO. :	EPTISA/JTFRP/DPR/J&K/DCS/16
REVISION : R-1	August 2019

≡ DETAILED CROSS SECTION (FOR LINK ROAD NO.1) ≡



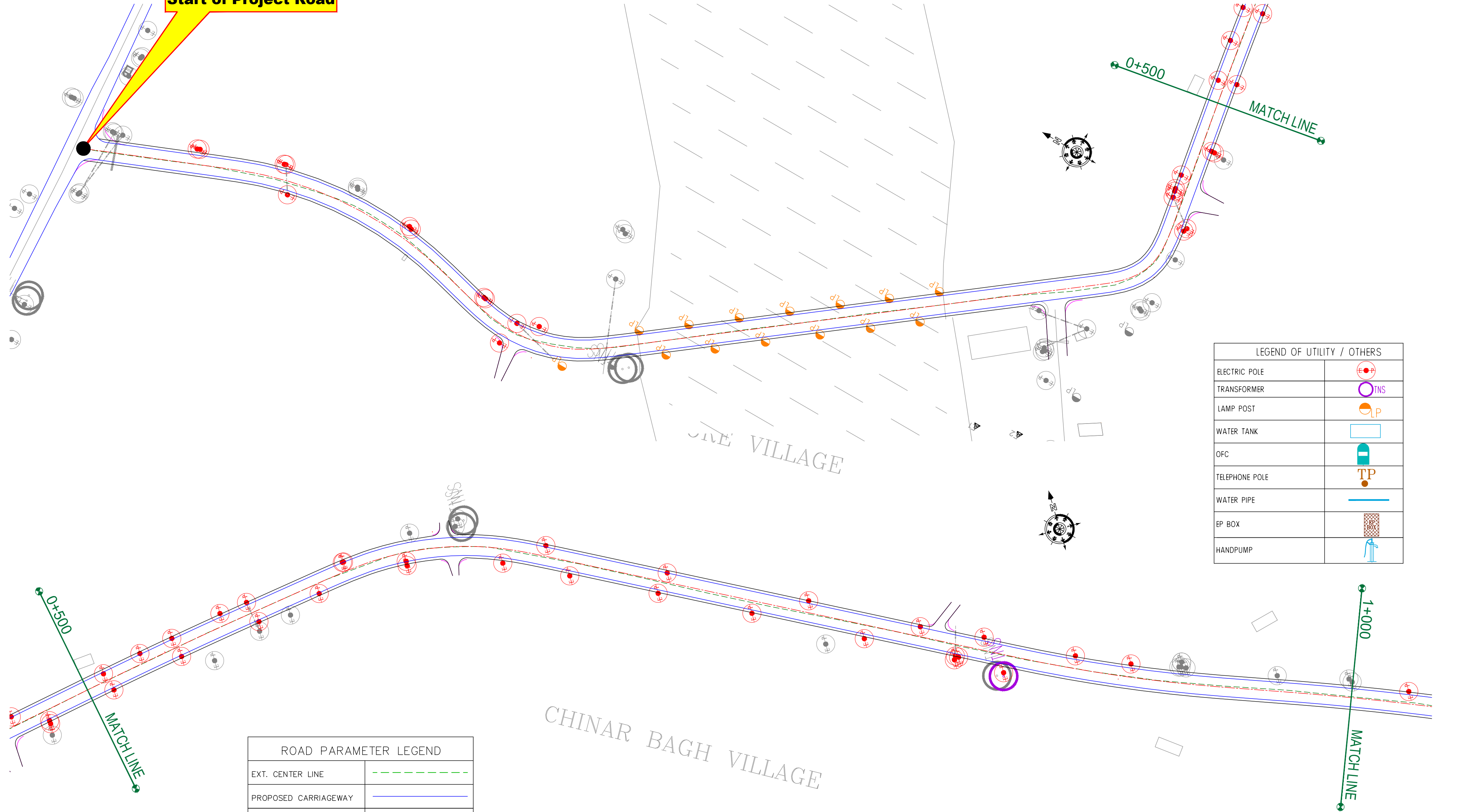


≡ UTILITY RELOCATION PLAN FOR MAIN ROAD (ELECTRICITY DEPARTMENT) ≡

← Pampore

Pulwama →

Start of Project Road



LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
ELECTRIC POLE (EP)	28	21
TRANSFORMER (TNS)	00	01
LAMP POST (LP)	07	07
EP BOX	00	00

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:

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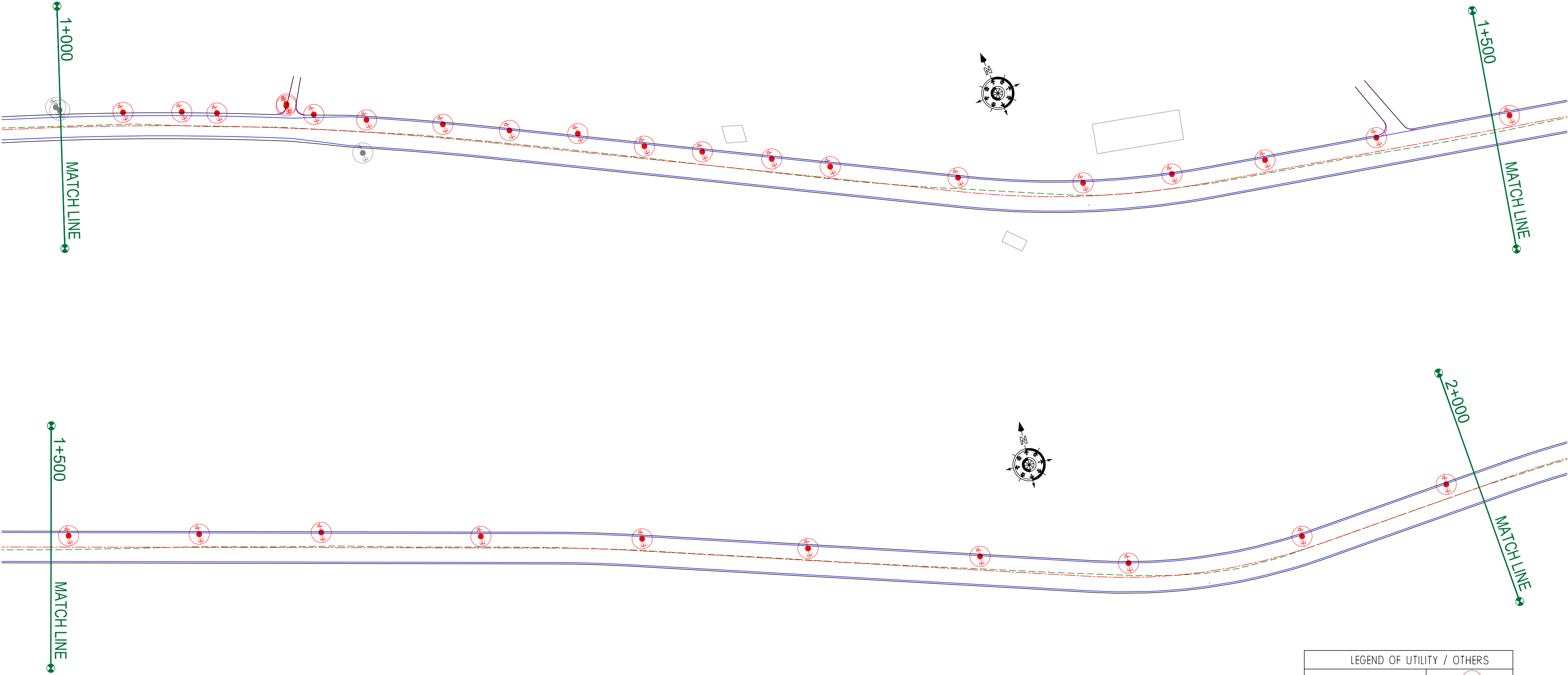
REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	Utility Relocation Plan (For Electricity Department) (Ch. 0+000 to Ch. 1+000)
DRG. NO. :	EPTISA/JTRP/DPR/J&K/URP/01
REVISION : R-1	August 2019

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Pulwama →



ROAD PARAMETER LEGEND	
EXT. CENTER LINE	---
PROPOSED CARRIAGEWAY	---
PROPOSED CENTER LINE	---
PROPOSED SHOULDER	---

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
ELECTRIC POLE (EP)	29	00
TRANSFORMER (TNS)	00	00
LAMP POST (LP)	00	00
EP BOX	00	00

LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	EP
TRANSFORMER	TNS
LAMP POST	LP
WATER TANK	WT
OFC	OFC
TELEPHONE POLE	TP
WATER PIPE	WP
EP BOX	EP BOX
HANDPUMP	HP

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

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DESIGN CONSULTANT:



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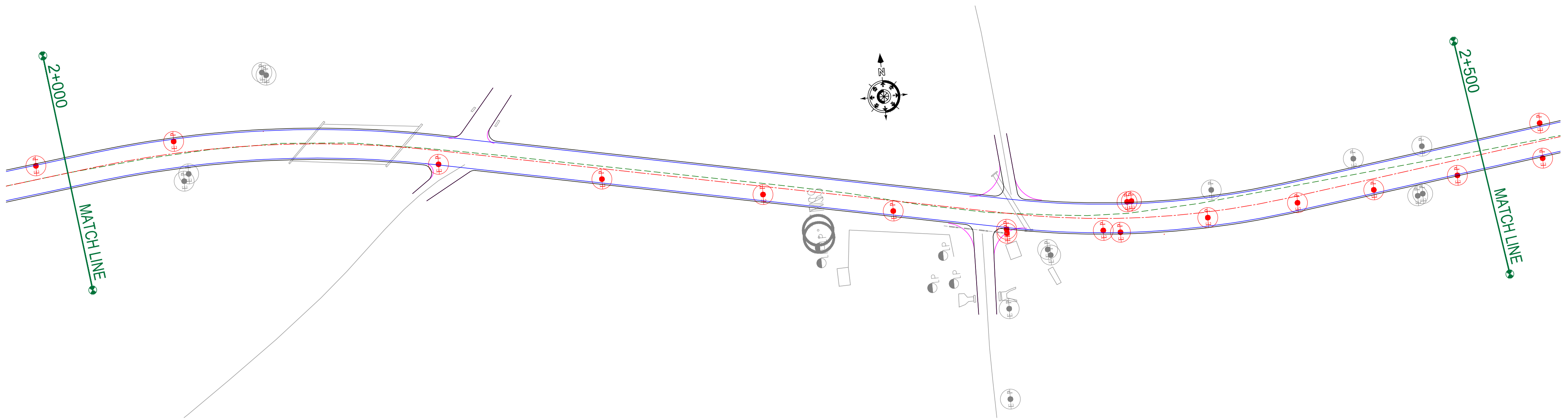
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DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

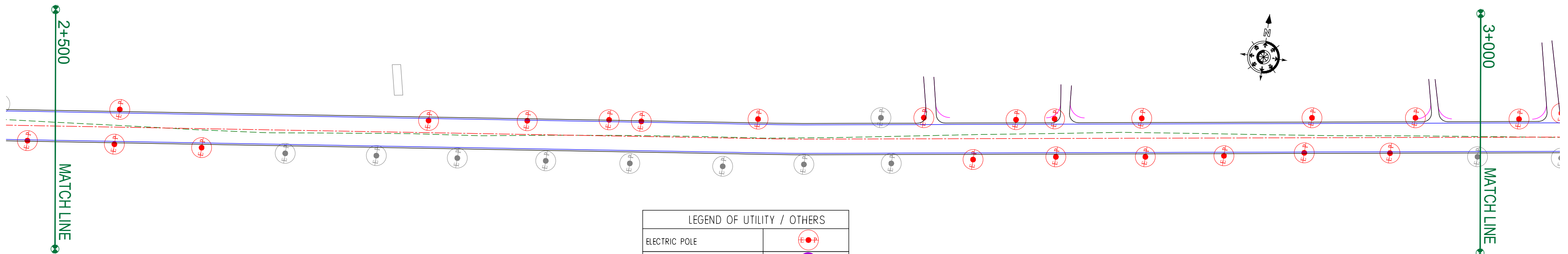
TITLE :	Utility Relocation Plan (For Electricity Department) (Ch. 1+000 to Ch. 2+000)
DRG. NO. :	EPTISA/JTRFP/DPR/J&K/URP/02
REVISION : R-1	August 2019

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CHINAR BAGH VILLAGE



CHINAR BAGH VILLAGE

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	---
PROPOSED CARRIAGEWAY	---
PROPOSED CENTER LINE	---
PROPOSED SHOULDER	---

LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	⊕
TRANSFORMER	⊕ TNS
LAMP POST	⊕ LP
WATER TANK	□
OFC	⊕
TELEPHONE POLE	⊕ TP
WATER PIPE	---
EP BOX	⊕
HANDPUMP	⊕

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
ELECTRIC POLE (EP)	15	20
TRANSFORMER (TNS)	00	00
LAMP POST (LP)	00	00
EP BOX	00	00

CLIENT :



Jhelum & Tawi
FLOOD RECOVERY PROJECT

Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
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DESIGN CONSULTANT:



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REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE : 1:1000

TITLE : Utility Relocation Plan
(For Electricity Department)
(Ch. 2+000 to Ch. 3+000)

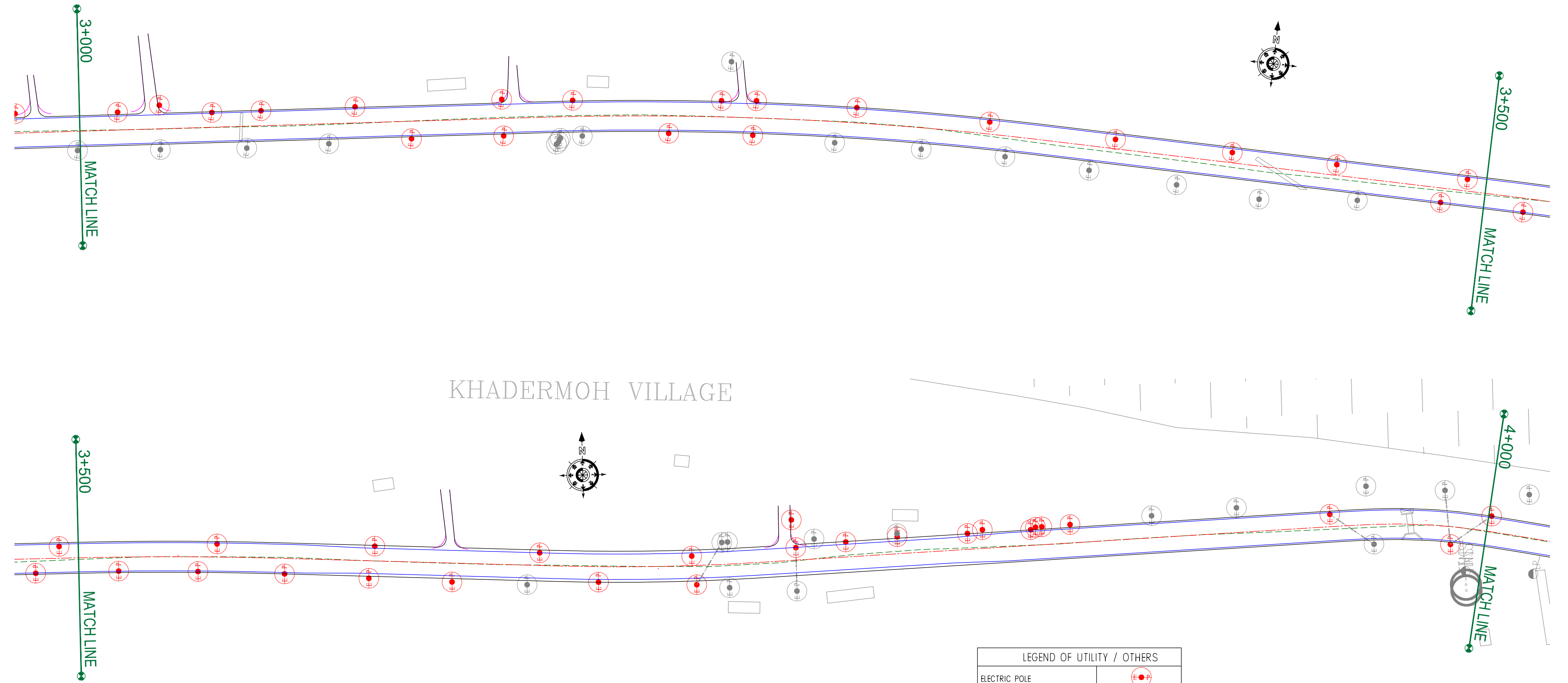
DRG. NO. : EPTISA/JTRP/DPR/J&K/URP/03

REVISION : R-1

August 2019

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KHADERMOH VILLAGE

KHADERMOH VILLAGE

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
ELECTRIC POLE (EP)	30	13
TRANSFORMER (TNS)	00	00
LAMP POST (LP)	00	00
EP BOX	00	00

LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



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REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE : 1:1000

TITLE :

Utility Relocation Plan
(For Electricity Department)
(Ch. 3+000 to Ch. 4+000)

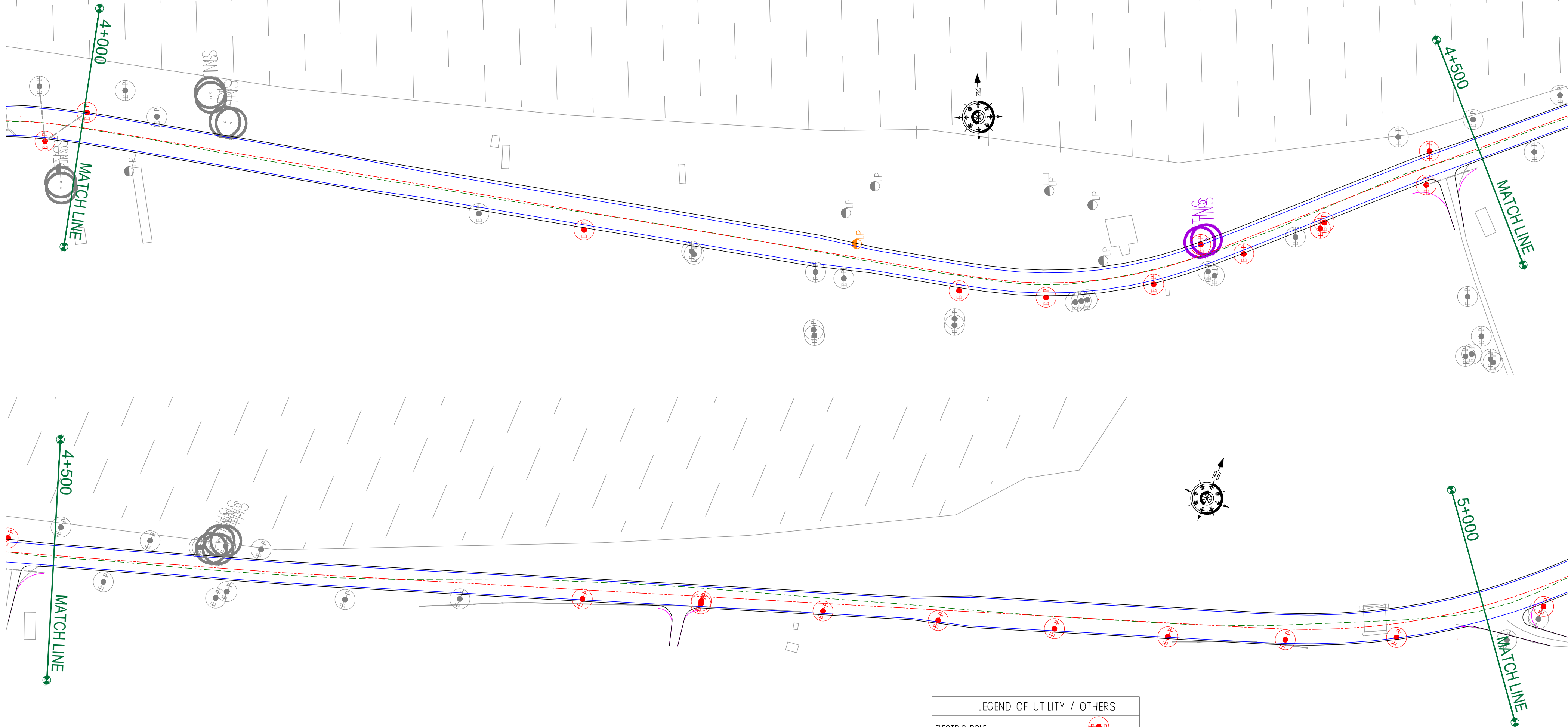
DRG. NO. : EPTISA/JTFRP/DPR/J&K/URP/04

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August 2019

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MARVAL VILLAGE

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	---
PROPOSED CARRIAGEWAY	---
PROPOSED CENTER LINE	---
PROPOSED SHOULDER	---

LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
ELECTRIC POLE (EP)	02	17
TRANSFORMER (TNS)	02	00
LAMP POST (LP)	01	00
EP BOX	00	00

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

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REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE : 1:1000

TITLE :

Utility Relocation Plan
(For Electricity Department)
(Ch. 4+000 to Ch. 5+000)

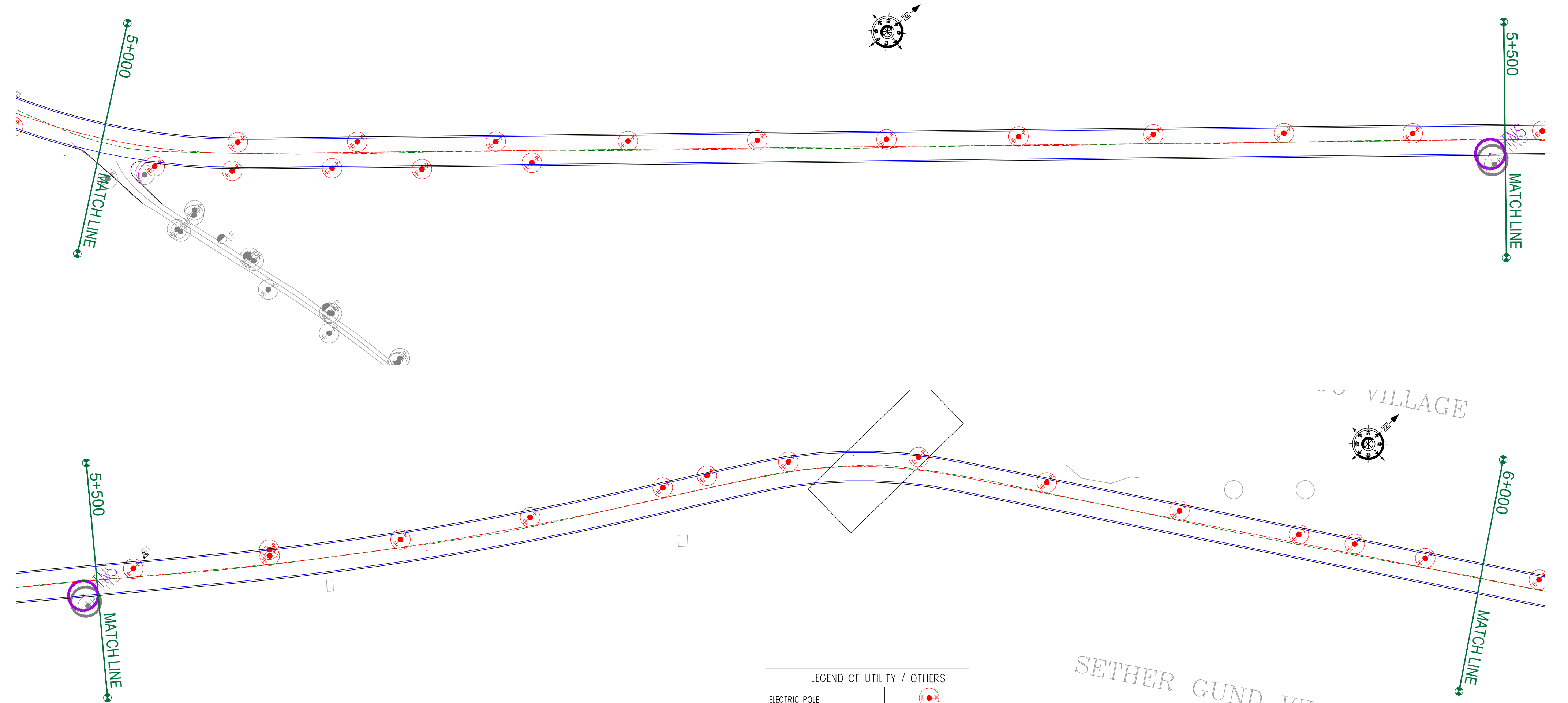
DRG. NO. : EPTISA/JTRFP/DPR/J&K/URP/05

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August 2019

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ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
ELECTRIC POLE (EP)	24	05
TRANSFORMER (TNS)	00	01
LAMP POST (LP)	00	00
EP BOX	00	00

CLIENT :



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2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

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DESIGN CONSULTANT:



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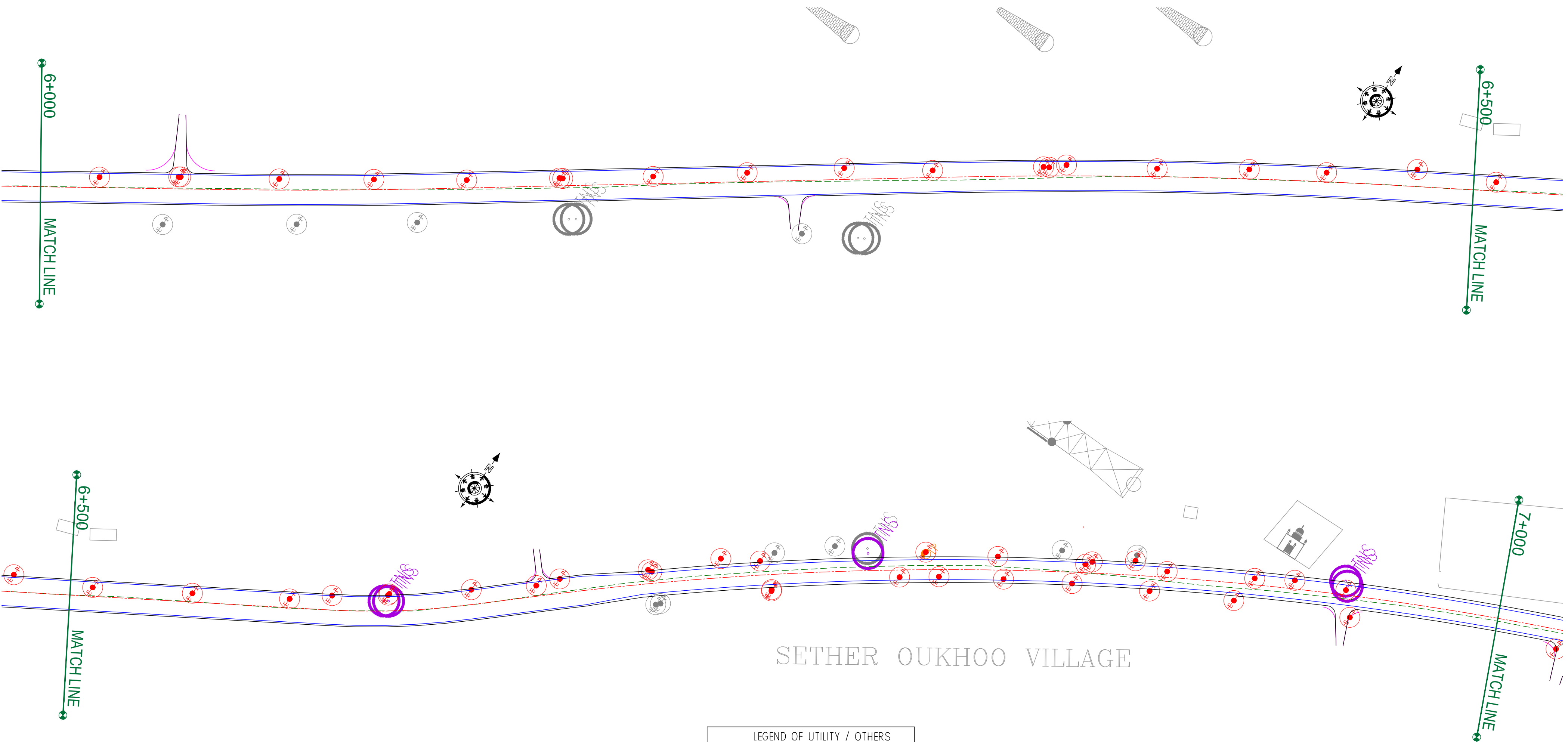
REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	Utility Relocation Plan (For Electricity Department) (Ch. 5+000 to Ch. 6+000)
DRG. NO. :	EPTISA/JTRP/DPR/J&K/URP/06
REVISION : R-1	August 2019

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ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
ELECTRIC POLE (EP)	41	09
TRANSFORMER (TNS)	05	00
LAMP POST (LP)	01	00
EP BOX	00	00

CLIENT :



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2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
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(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



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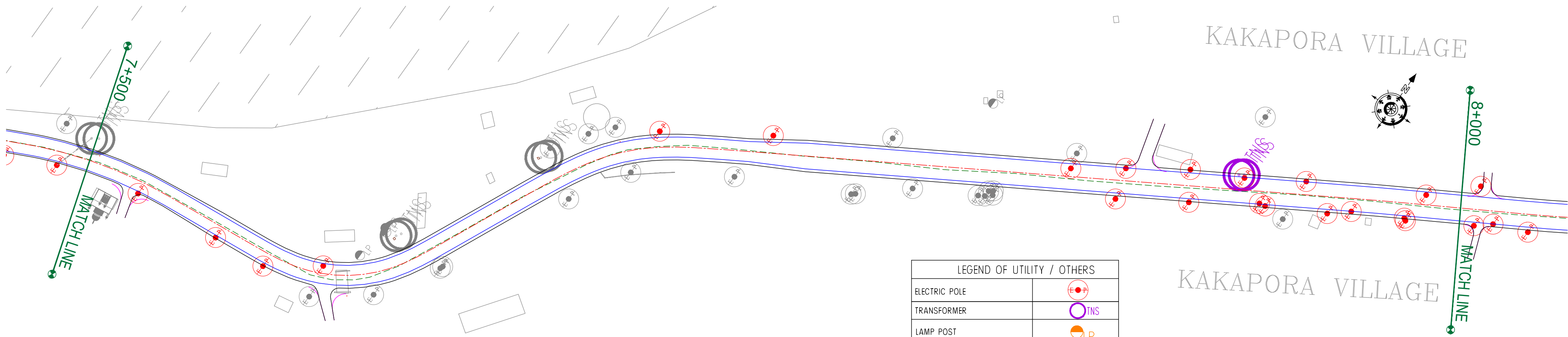
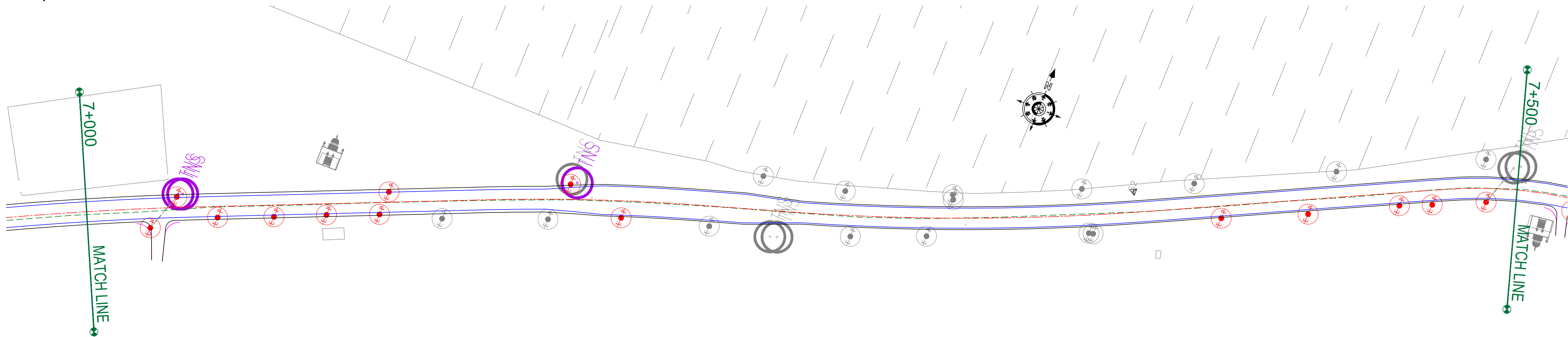
REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	Utility Relocation Plan (For Electricity Department) (Ch. 6+000 to Ch. 7+000)
DRG. NO. :	EPTISA/JTRFP/DPR/J&K/URP/07
REVISION : R-1	August 2019

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ROAD PARAMETER LEGEND	
EXT. CENTER LINE	---
PROPOSED CARRIAGEWAY	---
PROPOSED CENTER LINE	---
PROPOSED SHOULDER	---

LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	EP
TRANSFORMER	TNS
LAMP POST	LP
WATER TANK	WT
OFC	OFC
TELEPHONE POLE	TP
WATER PIPE	WP
EP BOX	EP BOX
HANDPUMP	HP

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
ELECTRIC POLE (EP)	11	22
TRANSFORMER (TNS)	05	00
LAMP POST (LP)	00	00
EP BOX	00	00

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



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REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	Utility Relocation Plan (For Electricity Department) (Ch. 7+000 to Ch. 8+000)
DRG. NO. :	EPTISA/JTFRP/DPR/J&K/URP/08
REVISION : R-1	August 2019

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ROAD PARAMETER LEGEND	
EXT. CENTER LINE	---
PROPOSED CARRIAGEWAY	---
PROPOSED CENTER LINE	---
PROPOSED SHOULDER	---

LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
ELECTRIC POLE (EP)	34	31
TRANSFORMER (TNS)	00	01
LAMP POST (LP)	00	00
EP BOX	00	00

CLIENT :



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2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

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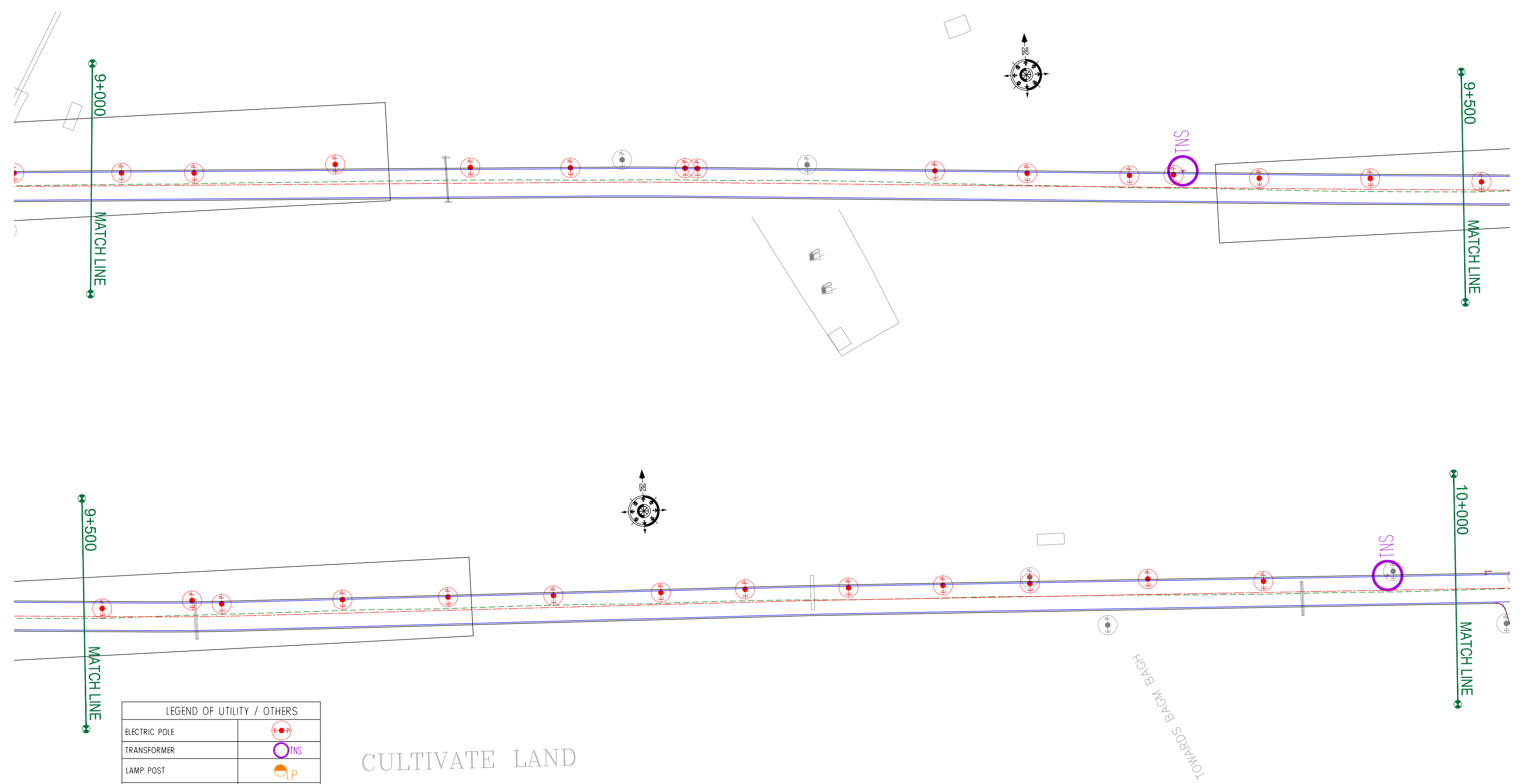
REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	Utility Relocation Plan (For Electricity Department) (Ch. 8+000 to Ch. 9+000)
DRG. NO. :	EPTISA/JTRP/DPR/J&K/URP/09
REVISION : R-1	August 2019

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LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	TNS
LAMP POST	LP
WATER TANK	
OFC	
TELEPHONE POLE	TP
WATER PIPE	
EP BOX	
HANDPUMP	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
ELECTRIC POLE (EP)	26	00
TRANSFORMER (TNS)	00	02
LAMP POST (LP)	00	00
EP BOX	00	00

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

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Consultancy Services for Preparing Detailed Project Report
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DESIGN CONSULTANT:



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REV.	DATE	DESCRIPTION
------	------	-------------

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :

Utility Relocation Plan
(For Electricity Department)
(Ch. 9+000 to Ch. 10+000)

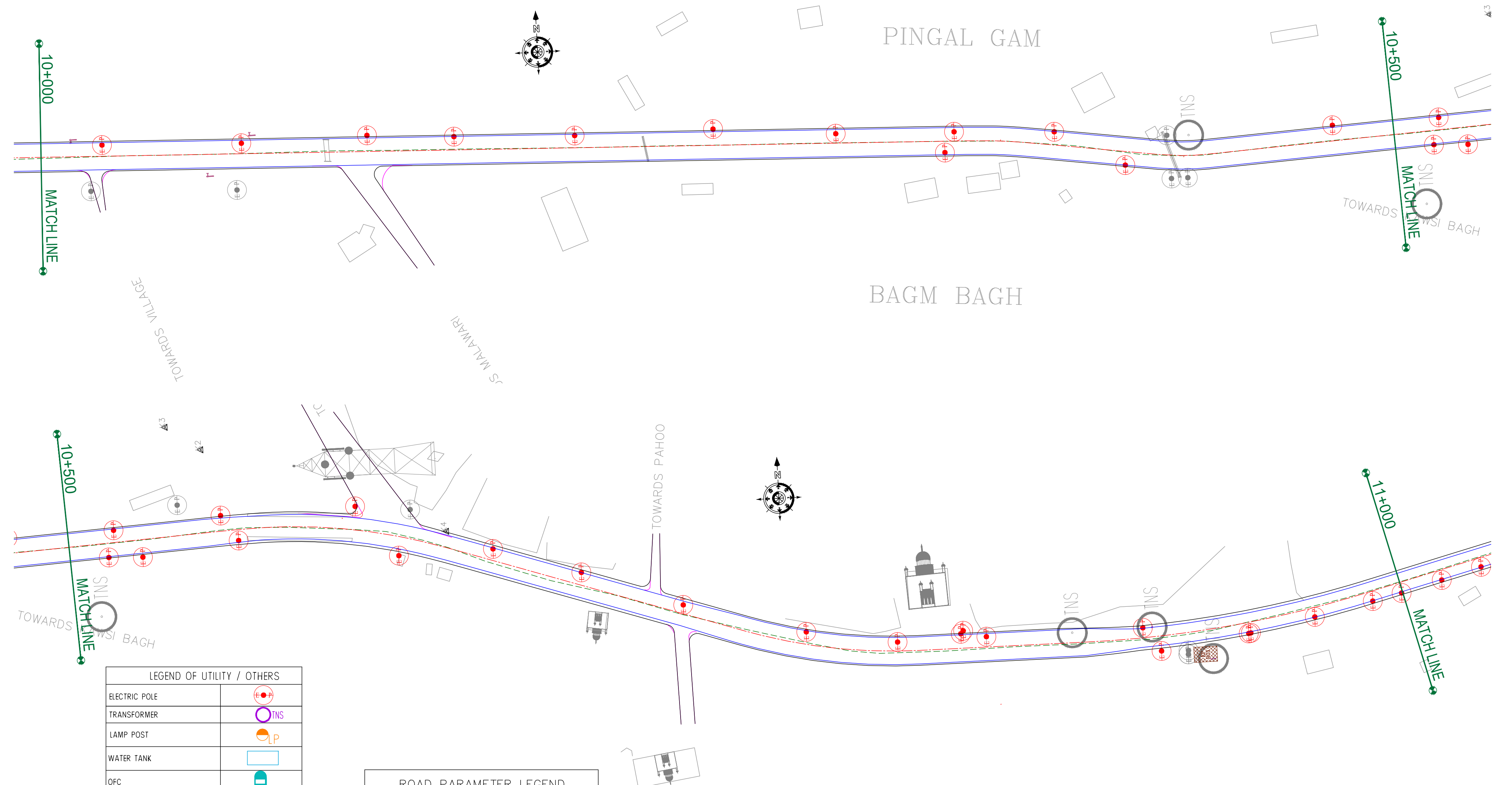
DRG. NO. : EPTISA/JTFRP/DPR/J&K/URP/10

REVISION : R-1

August 2019

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Pulwama →



LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
ELECTRIC POLE (EP)	22	12
TRANSFORMER (TNS)	00	00
LAMP POST (LP)	00	00
EP BOX	00	00

CLIENT :



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REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE : 1:1000

TITLE :

Utility Relocation Plan
(For Electricity Department)
(Ch. 10+000 to Ch. 11+000)

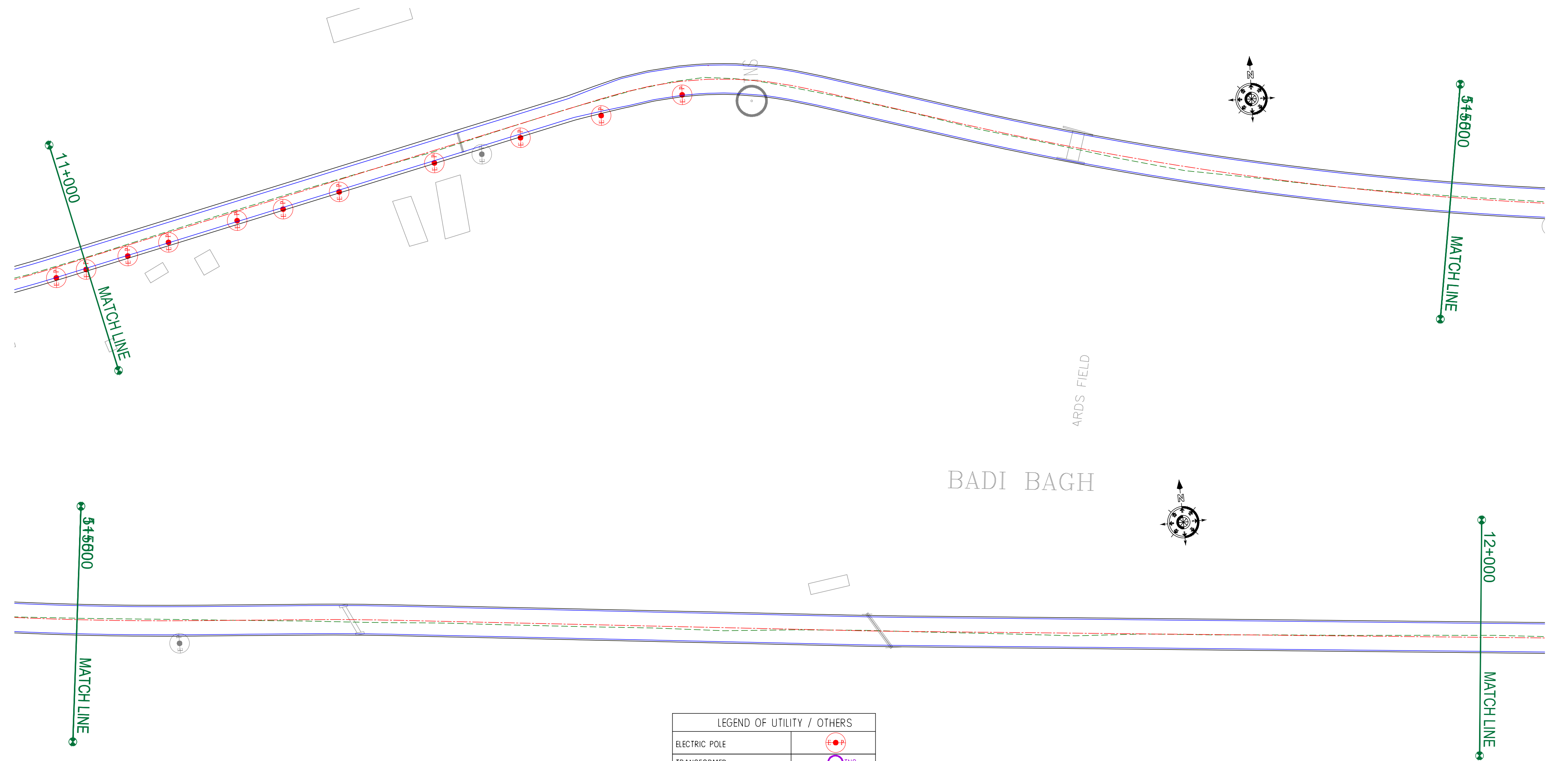
DRG. NO. : EPTISA/JTRP/DPR/J&K/URP/11

REVISION : R-1

August 2019

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Pulwama →



ROAD PARAMETER LEGEND	
EXT. CENTER LINE	---
PROPOSED CARRIAGEWAY	---
PROPOSED CENTER LINE	---
PROPOSED SHOULDER	---

LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
ELECTRIC POLE (EP)	00	09
TRANSFORMER (TNS)	00	00
LAMP POST (LP)	00	00
EP BOX	00	00

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



servicios de Ingenieria S.L.
Unit 1203, 12th Floor, Tower 1, PS Srijan
Corporate Park, Plot No. 2, Block EP & GP,
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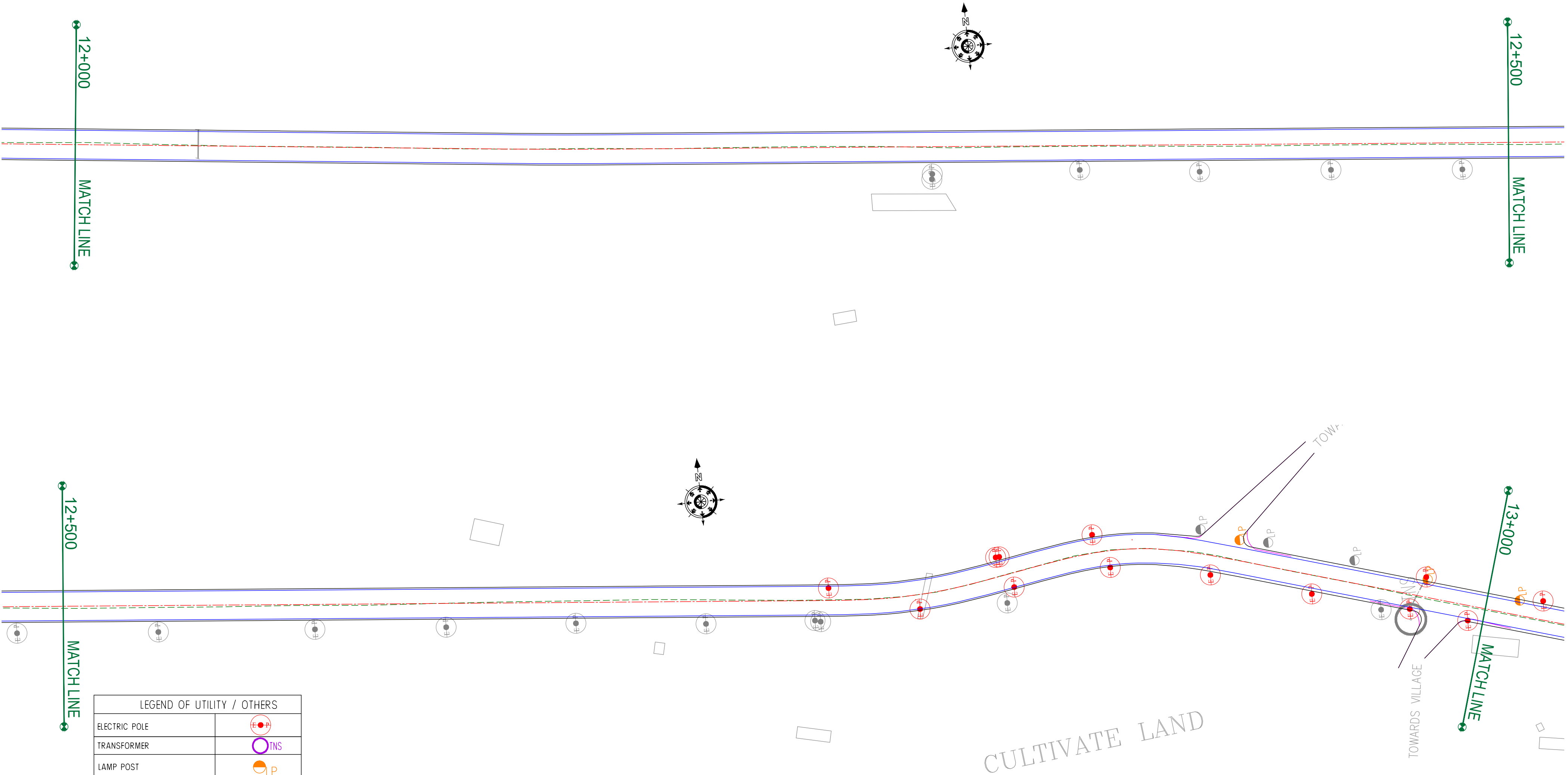
REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	Utility Relocation Plan (For Electricity Department) (Ch. 11+000 to Ch. 12+000)
DRG. NO. :	EPTISA/JTRP/DPR/J&K/URP/12
REVISION : R-1	August 2019

← Pampore

Pulwama →



LEGEND OF UTILITY / OTHERS

ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

ROAD PARAMETER LEGEND

EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
ELECTRIC POLE (EP)	05	07
TRANSFORMER (TNS)	00	00
LAMP POST (LP)	02	00
EP BOX	00	00

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



Servicios de Ingenieria S.L.

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Sector v, Salt Lake Kolkata - 700091,
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REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE : **Utility Relocation Plan**
(For Electricity Department)
(Ch. 12+000 to Ch. 13+000)

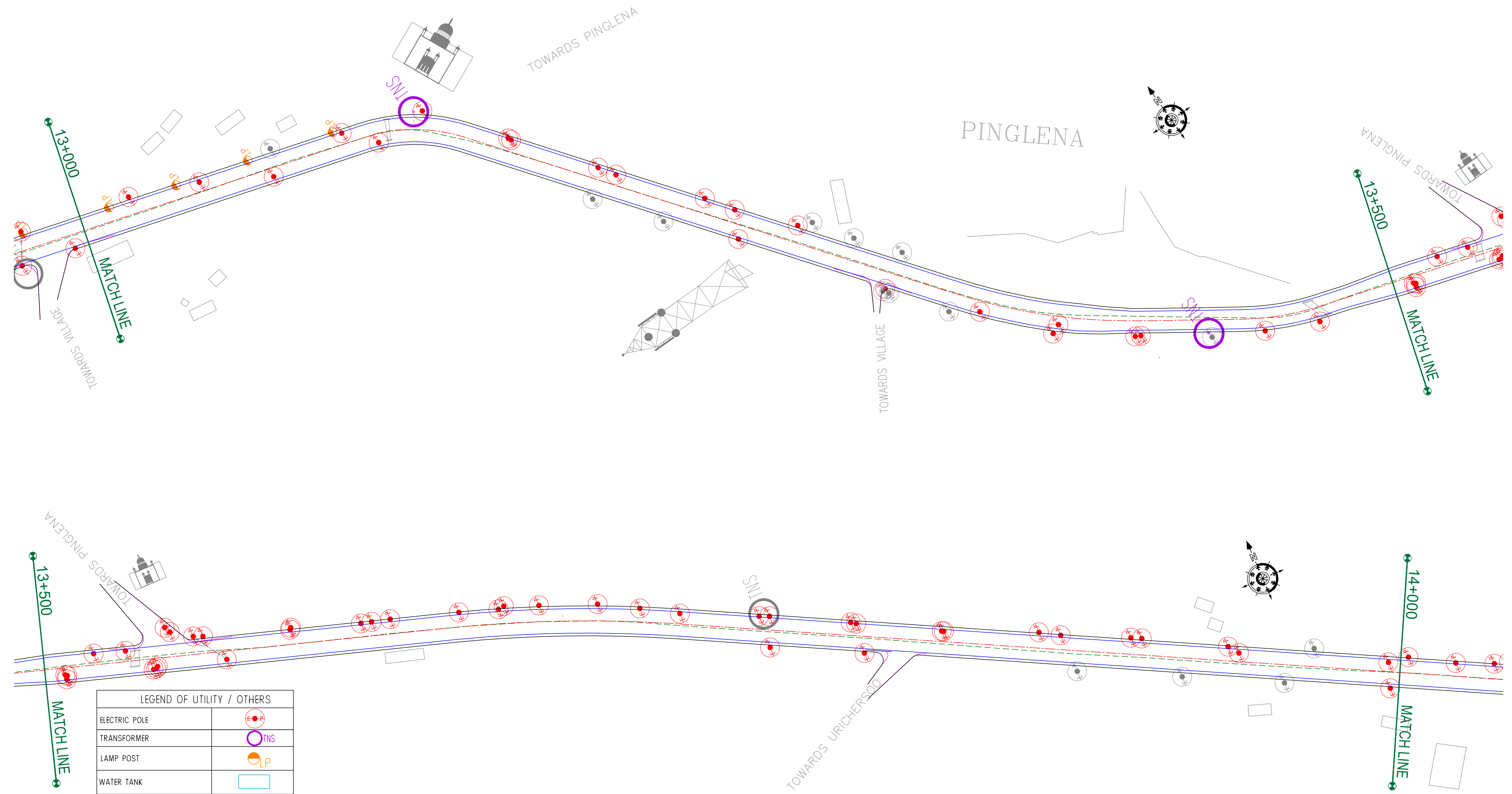
DRG. NO. : EPTISA/JTFRP/DPR/J&K/URP/13

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August 2019

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Pulwama →



LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
ELECTRIC POLE (EP)	42	21
TRANSFORMER (TNS)	01	01
LAMP POST (LP)	04	00
EP BOX	00	00

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



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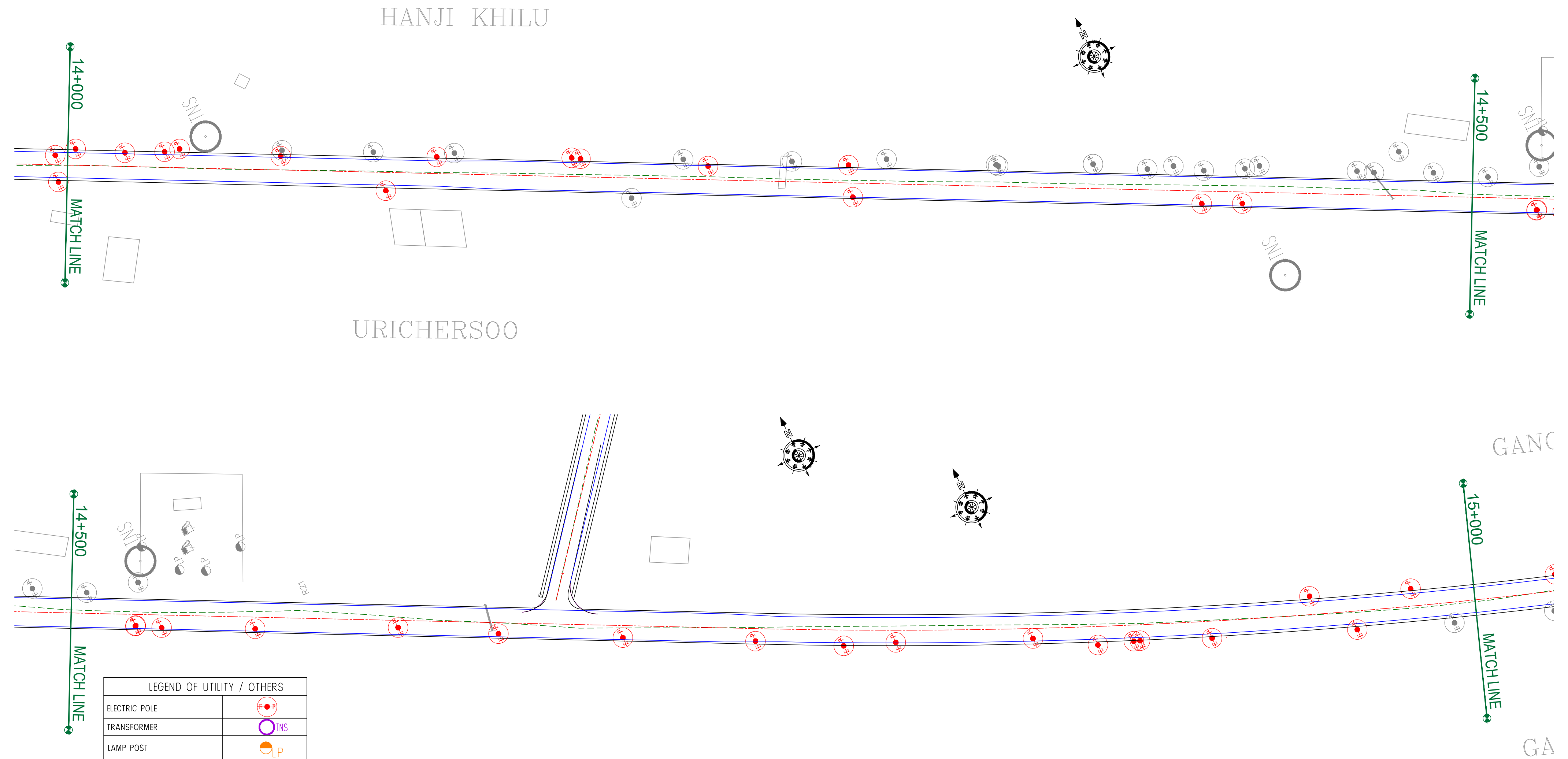
REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	Utility Relocation Plan (For Electricity Department) (Ch. 13+000 to Ch. 14+000)
DRG. NO. :	EPTISA/JTRP/DPR/J&K/URP/14
REVISION : R-1	August 2019

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Pulwama →



LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
ELECTRIC POLE (EP)	12	19
TRANSFORMER (TNS)	00	00
LAMP POST (LP)	00	00
EP BOX	00	00

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



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West Bengal
Ph: 033-40347200
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REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE : **Utility Relocation Plan**
(For Electricity Department)
(Ch. 14+000 to Ch. 15+000)

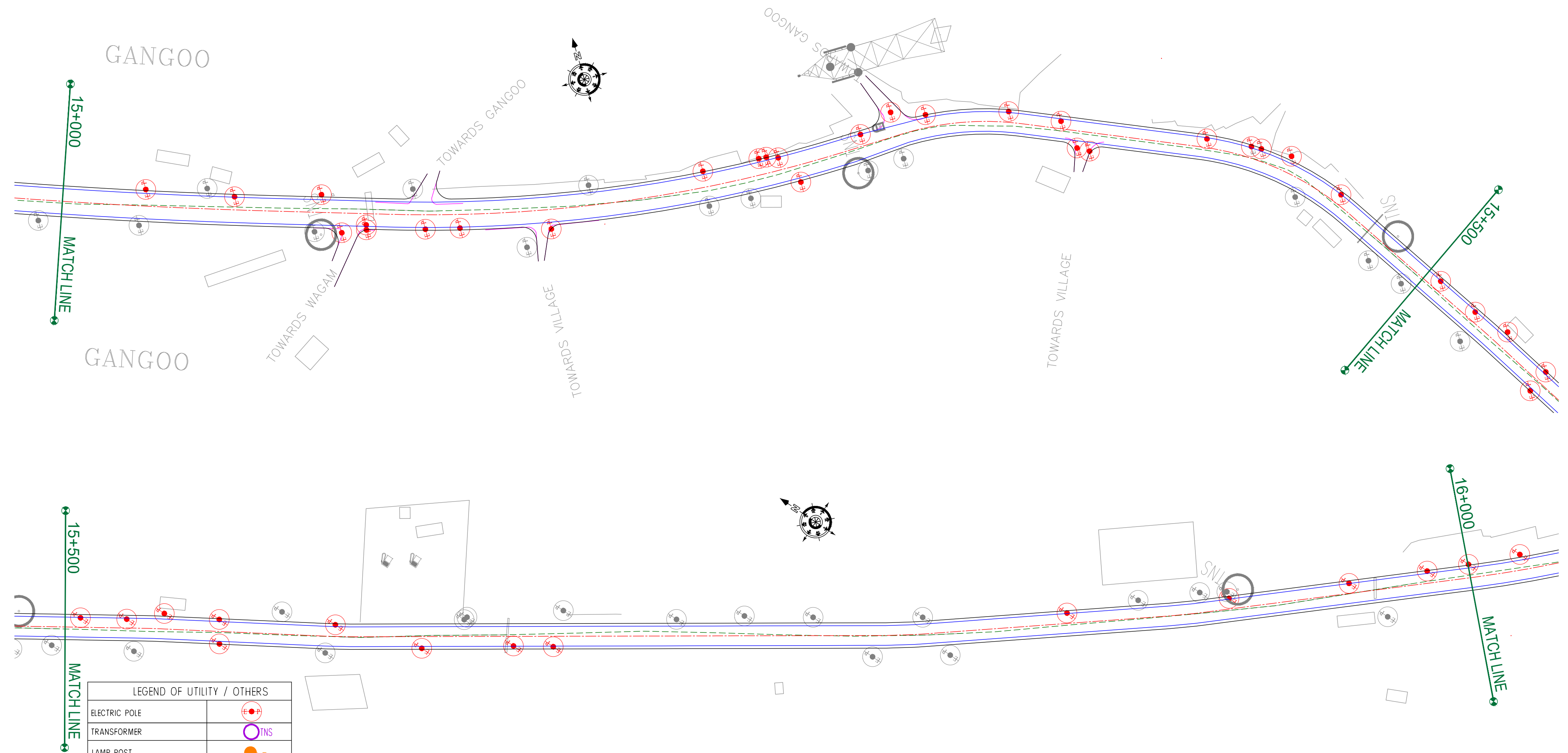
DRG. NO. : EPTISA/JTRFP/DPR/J&K/URP/15

REVISION : R-1

August 2019

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LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
ELECTRIC POLE (EP)	26	13
TRANSFORMER (TNS)	00	00
LAMP POST (LP)	00	00
EP BOX	00	00

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



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REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE : 1:1000

TITLE :

Utility Relocation Plan
(For Electricity Department)
(Ch. 15+000 to Ch. 16+000)

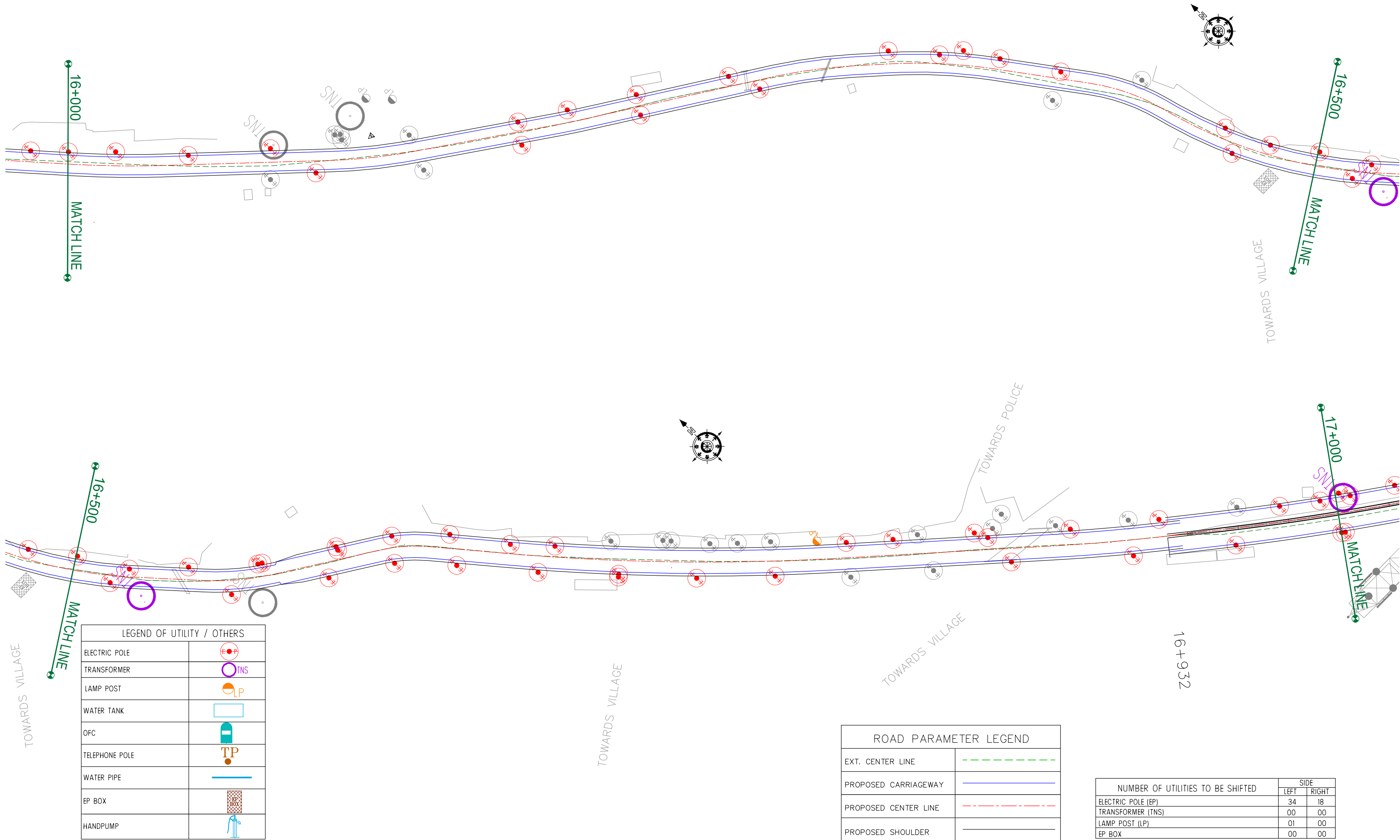
DRG. NO. : EPTISA/JTRFP/DPR/J&K/URP/16

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August 2019

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Pulwama →



CLIENT :



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2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



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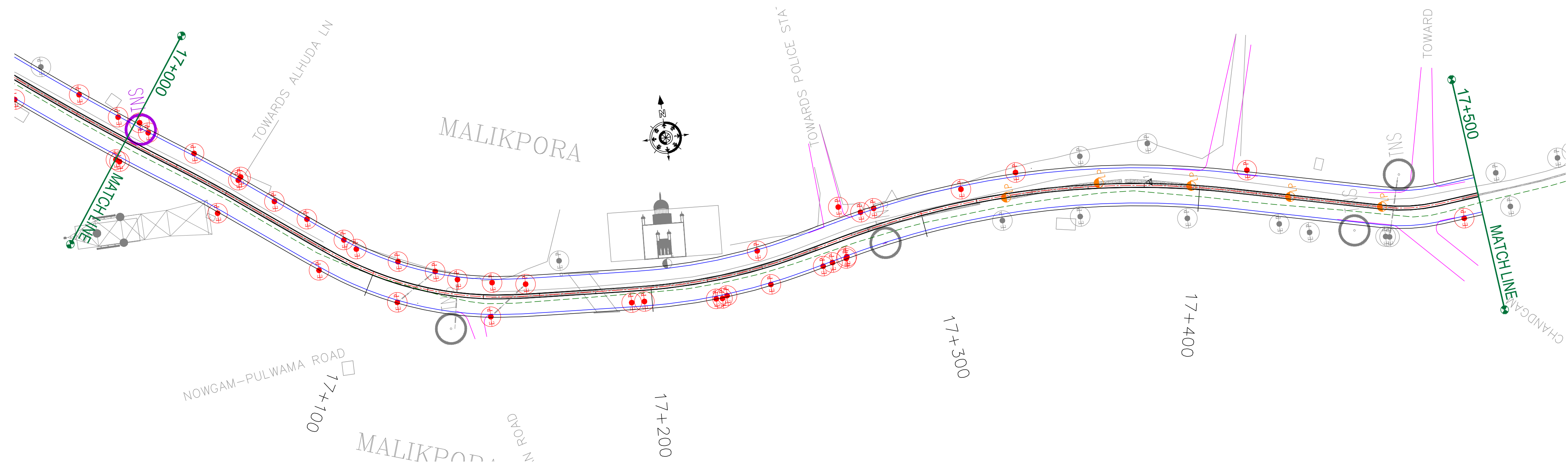
REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

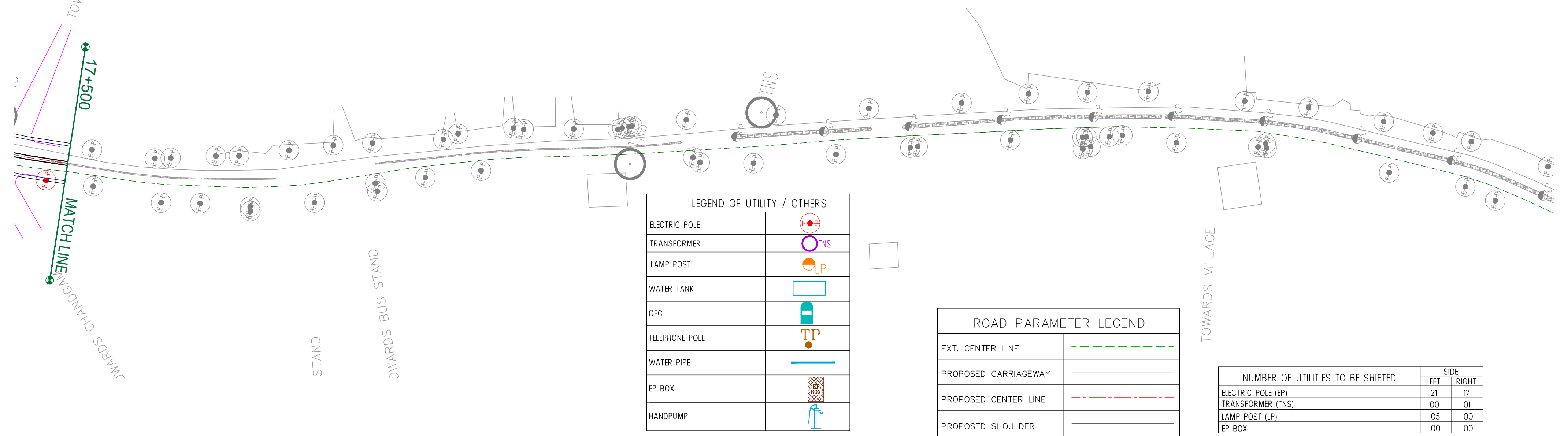
TITLE :	Utility Relocation Plan (For Electricity Department) (Ch. 16+000 to Ch. 17+000)
DRG. NO. :	EPTISA/JTRP/DPR/J&K/URP/17
REVISION : R-1	August 2019

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Pulwama →



OUT OF SCOPE (FROM CH.17+485 TO CH.19+877)



CLIENT :

Jhelum & Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:

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REV.	DATE	DESCRIPTION

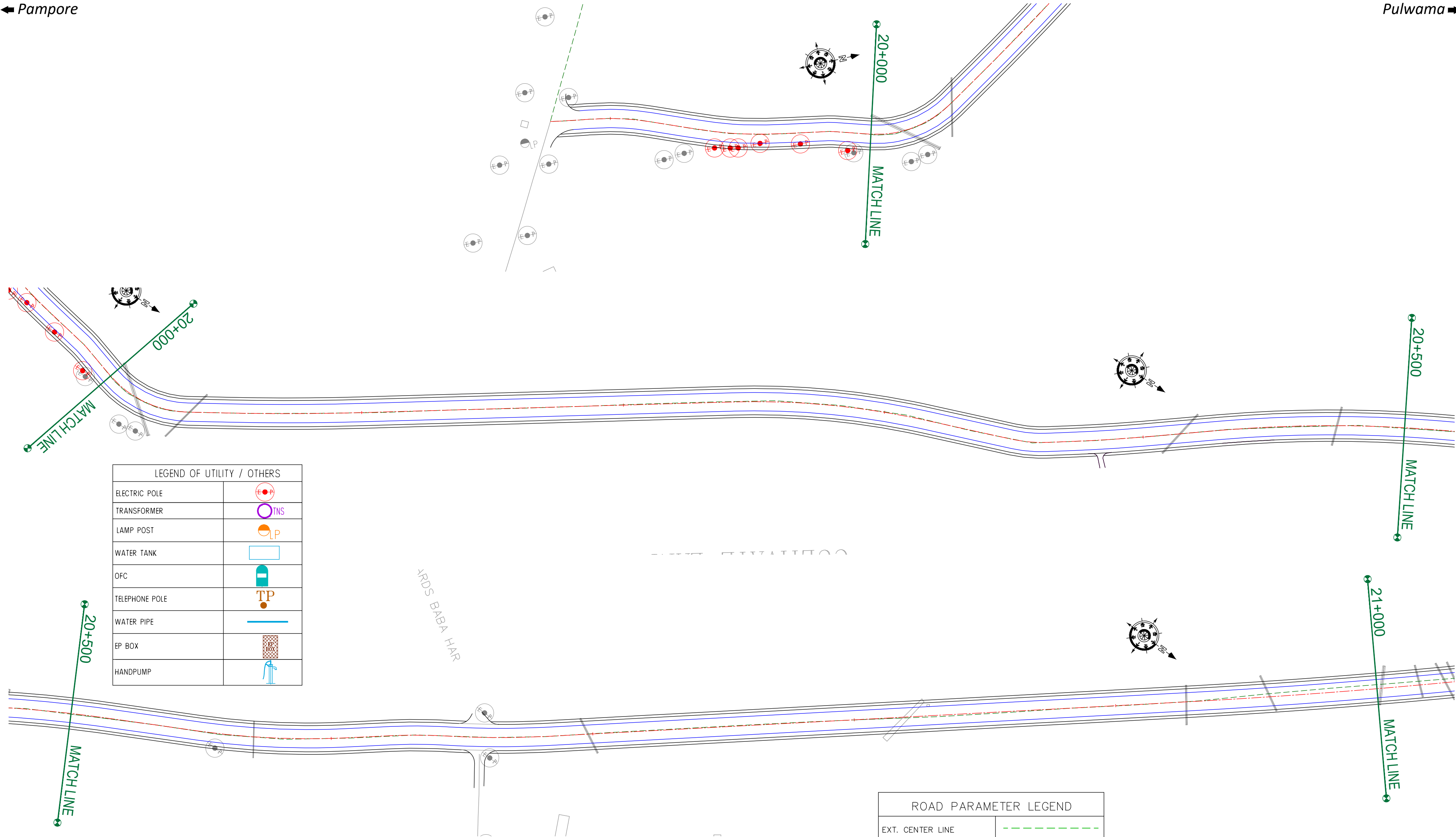
DRAWN BY : SD
DESIGNED BY : SCK/MM
APPROVED BY : KG
SCALE : 1:1000

TITLE : **Utility Relocation Plan**
(For Electricity Department)
(Ch. 17+000 to Ch. 17+500)

DRG. NO. : EPTISA/JTRP/DPR/J&K/URP/18
REVISION : R-1
August 2019

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Pulwama →



LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
ELECTRIC POLE (EP)	00	06
TRANSFORMER (TNS)	00	00
LAMP POST (LP)	00	00
EP BOX	00	00

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



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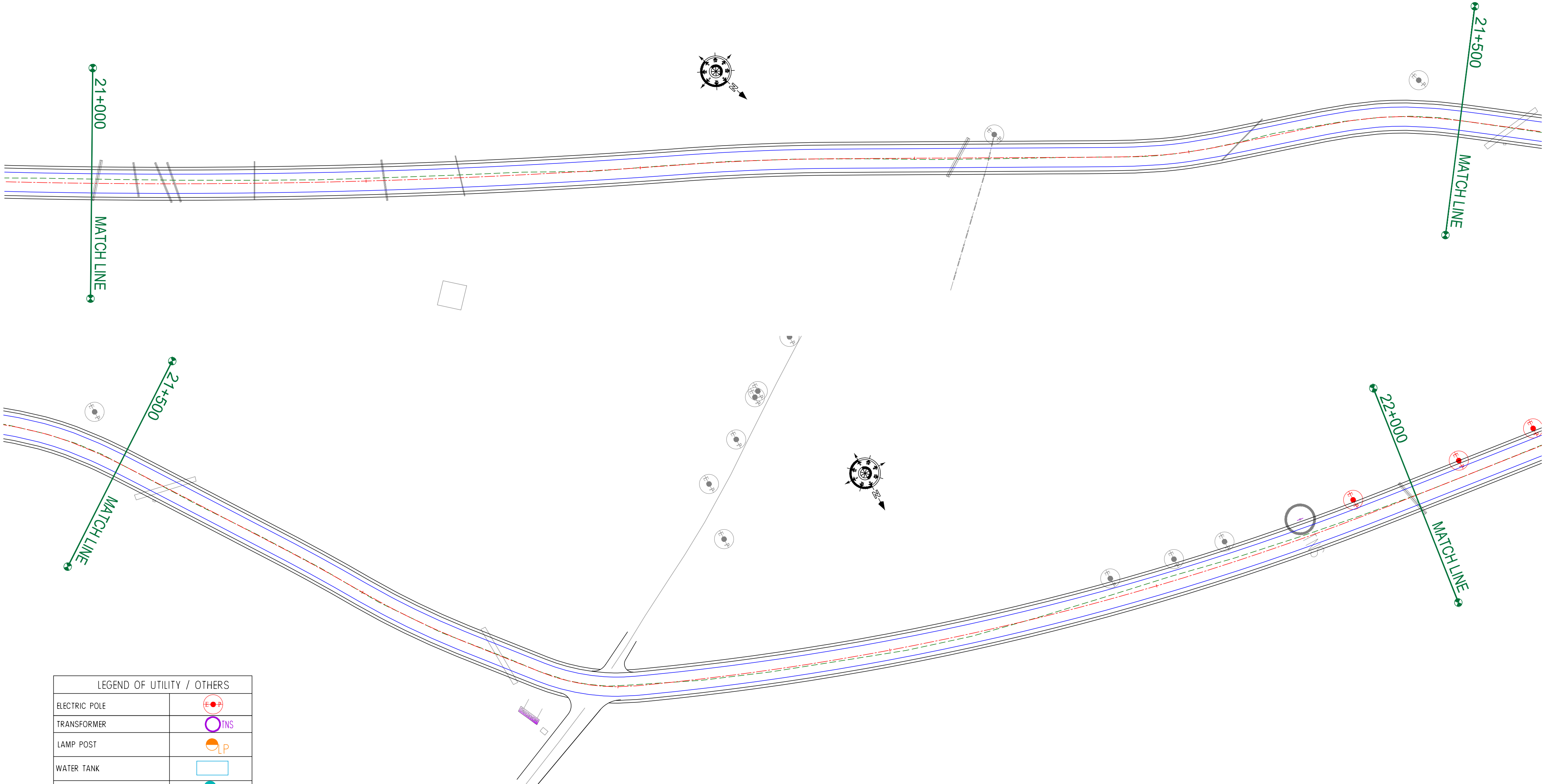
REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	Utility Relocation Plan (For Electricity Department) (Ch. 19+877 to Ch. 21+000)
DRG. NO. :	EPTISA/JTRP/DPR/J&K/URP/19
REVISION : R-1	August 2019

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Pulwama →



LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
ELECTRIC POLE (EP)	01	00
TRANSFORMER (TNS)	00	00
LAMP POST (LP)	00	00
EP BOX	00	00

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



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West Bengal
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REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE : **Utility Relocation Plan**
(For Electricity Department)
(Ch. 21+000 to Ch. 22+000)

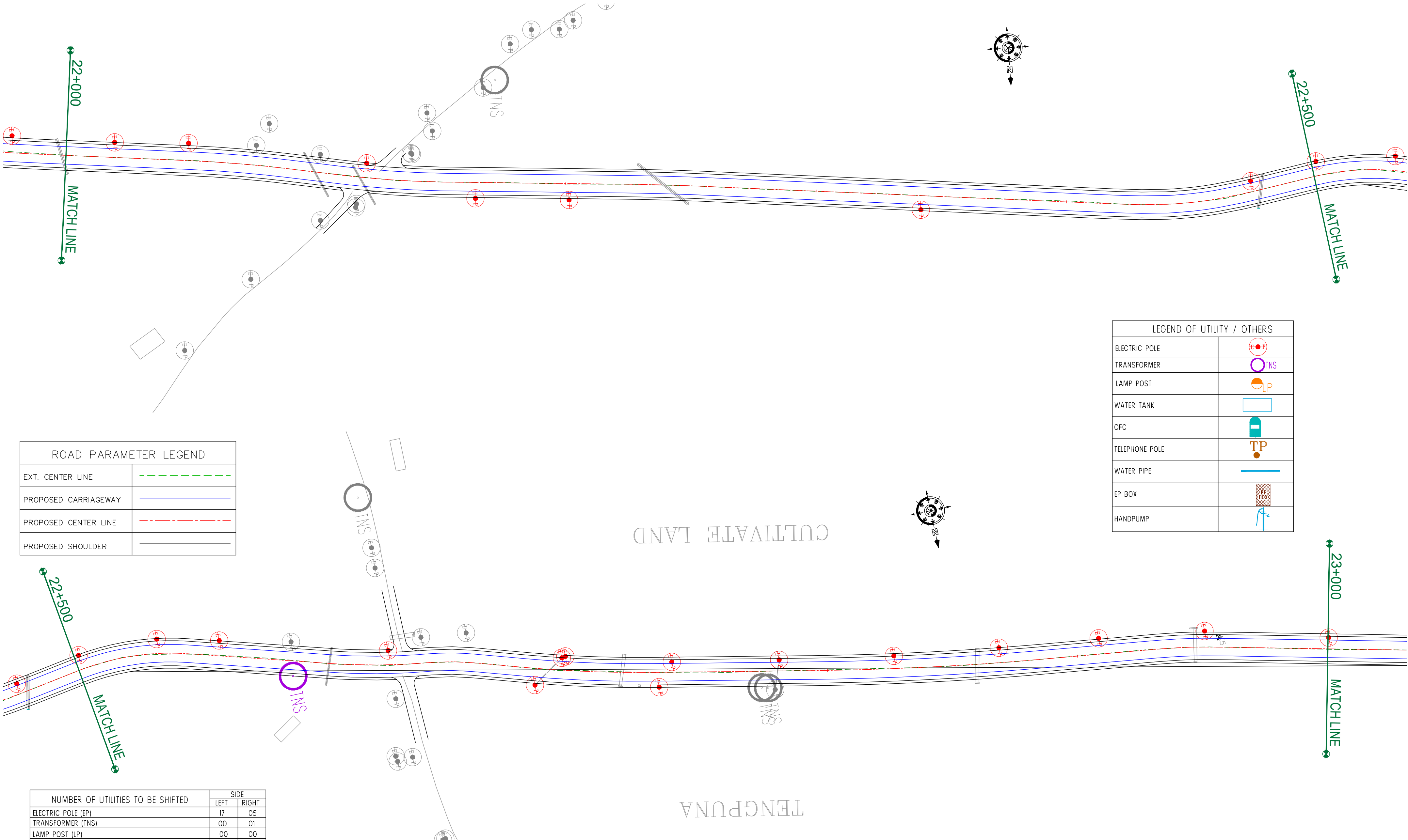
DRG. NO. : EPTISA/JTRP/DPR/J&K/URP/20

REVISION : R-1

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Pulwama →



ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
ELECTRIC POLE (EP)	17	05
TRANSFORMER (TNS)	00	01
LAMP POST (LP)	00	00
EP BOX	00	00

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

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for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



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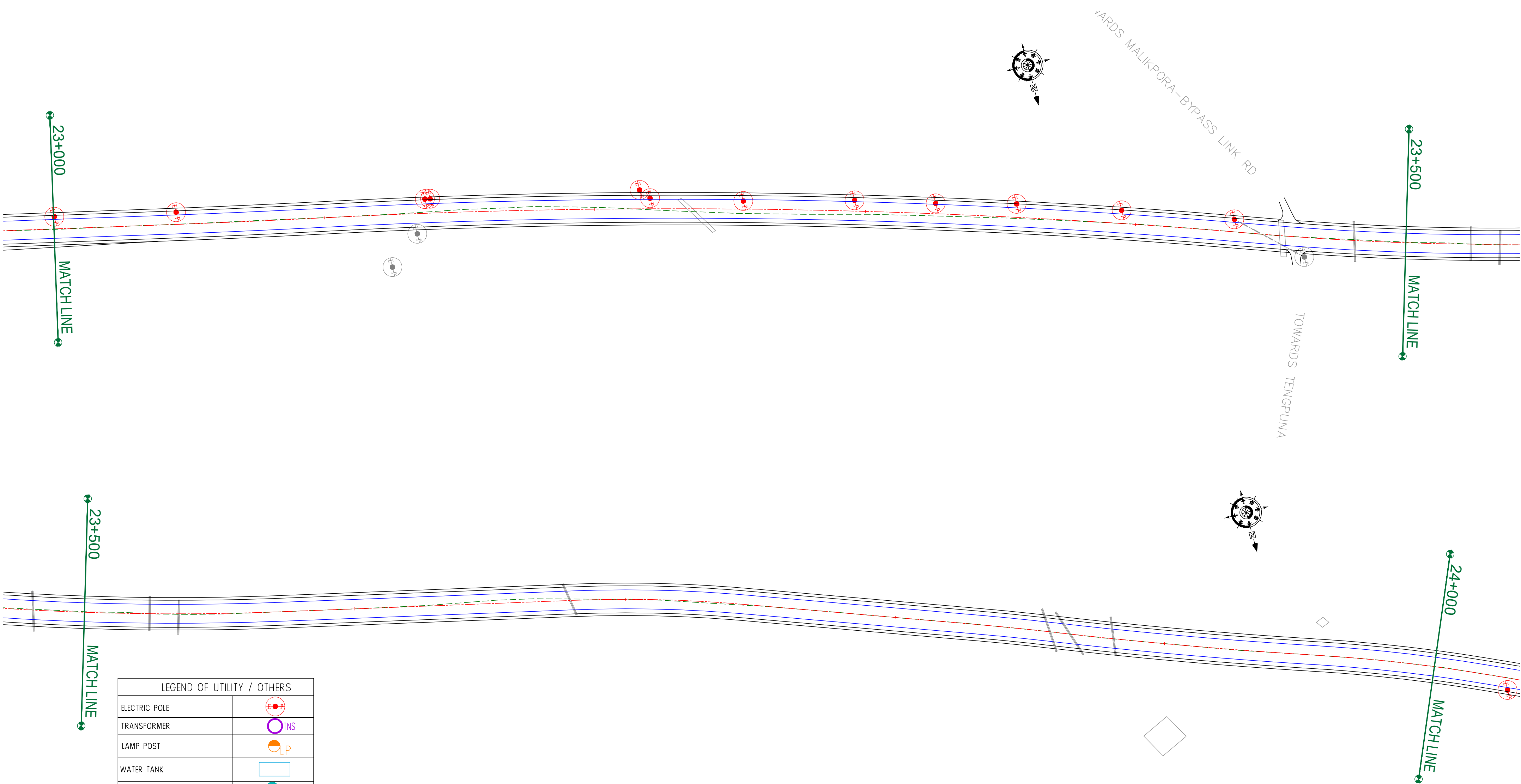
REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	Utility Relocation Plan (For Electricity Department) (Ch. 22+000 to Ch. 23+000)
DRG. NO. :	EPTISA/JTRP/DPR/J&K/URP/21
REVISION : R-1	August 2019

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Pulwama →



LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
ELECTRIC POLE (EP)	11	00
TRANSFORMER (TNS)	00	00
LAMP POST (LP)	00	00
EP BOX	00	00

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

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for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



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REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE : **Utility Relocation Plan**
(For Electricity Department)
(Ch. 23+000 to Ch. 24+000)

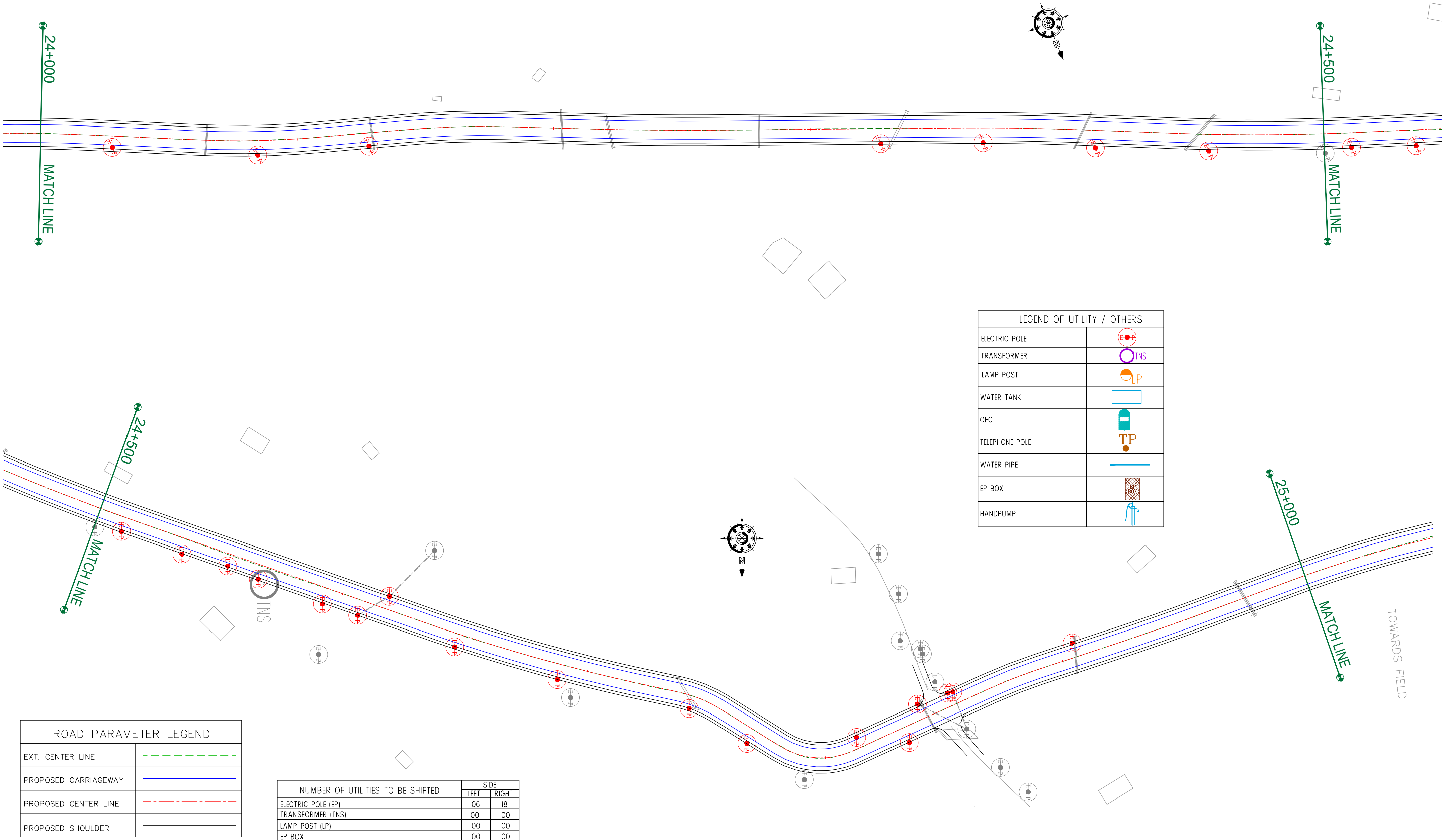
DRG. NO. : EPTISA/JTRFP/DPR/J&K/URP/22

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LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
ELECTRIC POLE (EP)	06	18
TRANSFORMER (TNS)	00	00
LAMP POST (LP)	00	00
EP BOX	00	00

CLIENT :



Jhelum & Tawi
FLOOD RECOVERY PROJECT

Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:

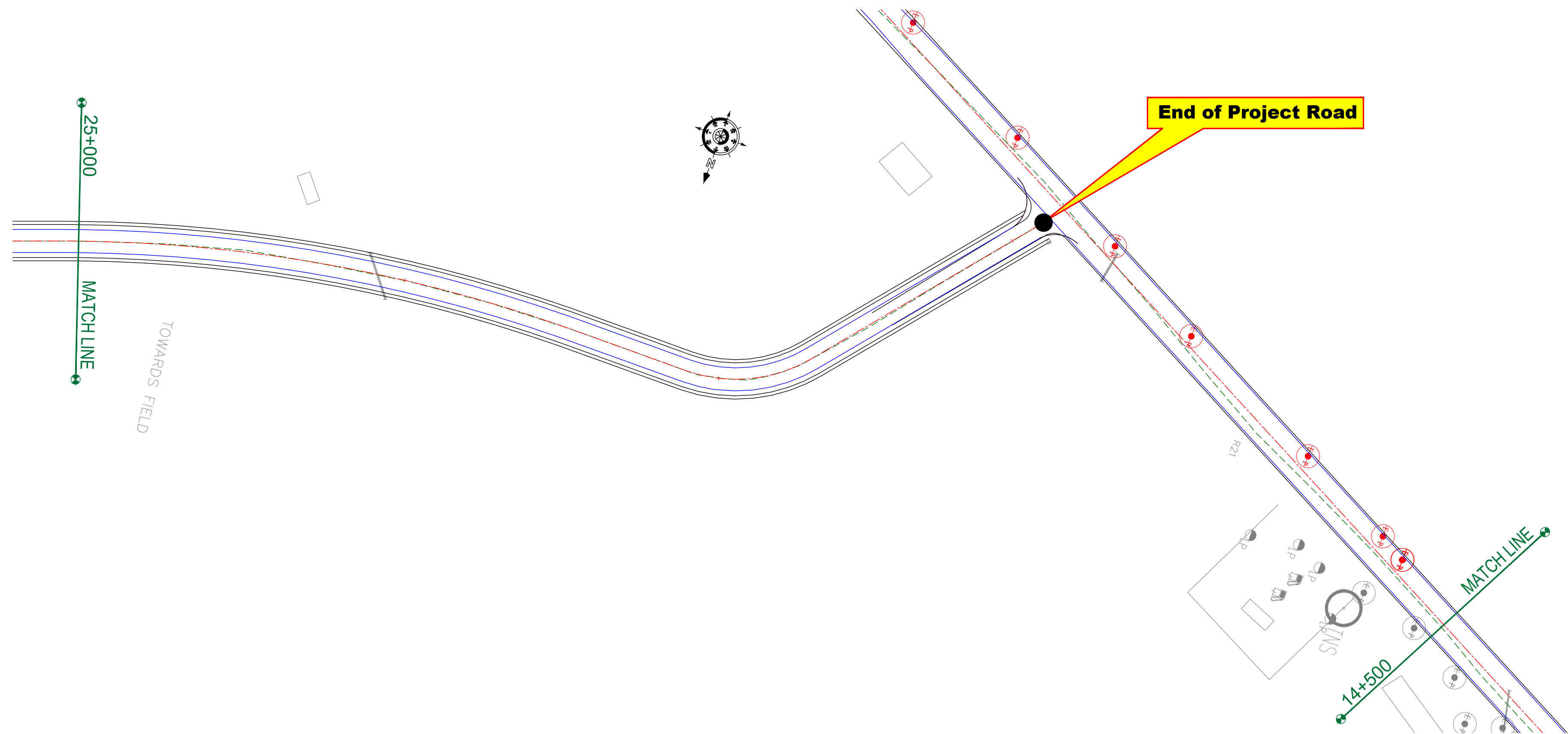


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REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	Utility Relocation Plan (For Electricity Department) (Ch. 24+000 to Ch. 25+000)
DRG. NO. :	EPTISA/JTRFP/DPR/J&K/URP/23
REVISION : R-1	August 2019



LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
ELECTRIC POLE (EP)	00	00
TRANSFORMER (TNS)	00	00
LAMP POST (LP)	00	00
EP BOX	00	00

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

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DESIGN CONSULTANT:

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REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE : **Utility Relocation Plan**
(For Electricity Department)
(Ch. 25+000 to Ch. 25+310)

DRG. NO. : EPTISA/JTFRP/DPR/J&K/URP/24

REVISION : R-1

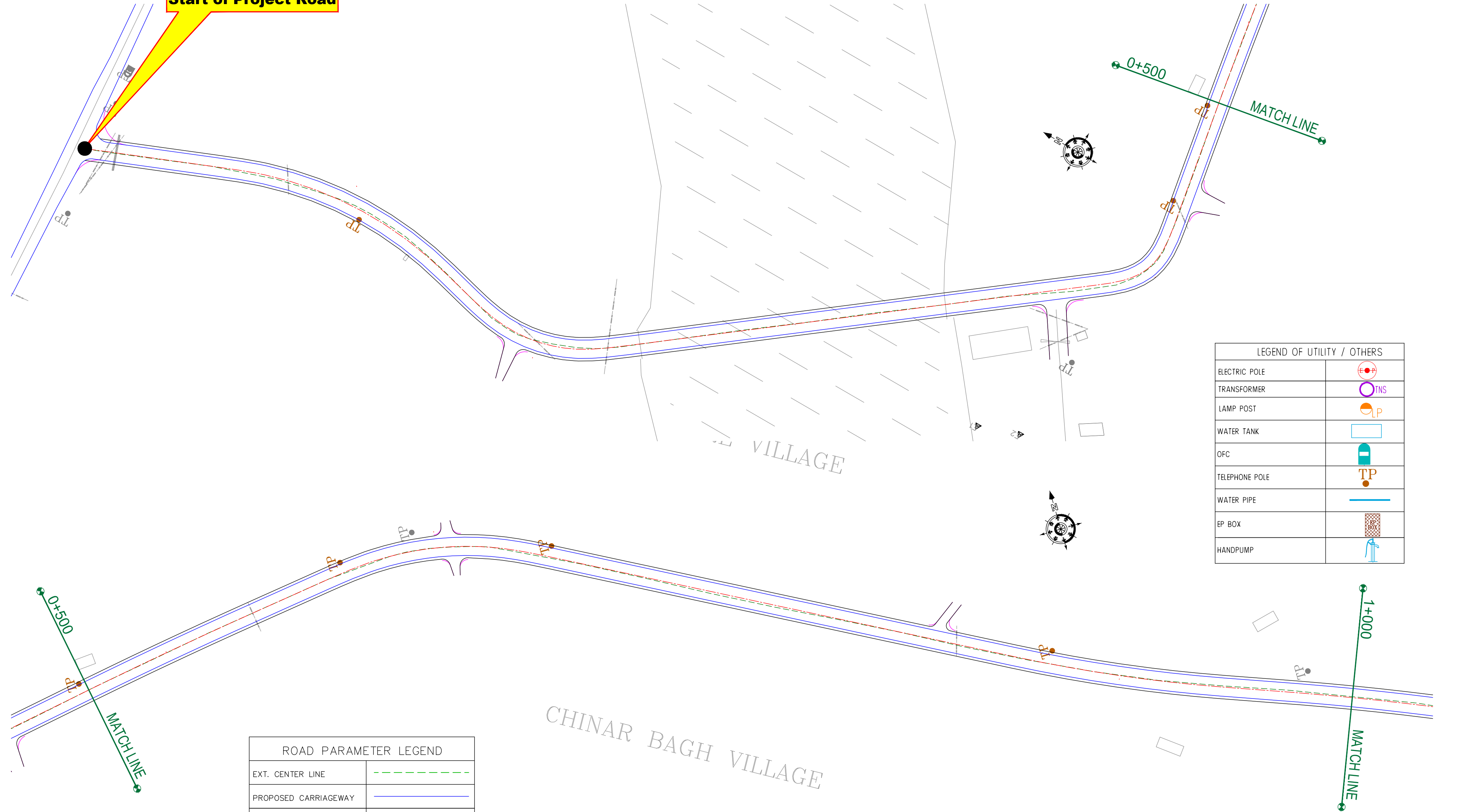
August 2019

≡ UTILITY RELOCATION PLAN FOR MAIN ROAD (TELEPHONE DEPARTMENT) ≡

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Pulwama →

Start of Project Road



LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
TELEPHONE POLE (TP)	05	01
OFC	00	00

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

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DESIGN CONSULTANT:



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West Bengal
Ph: 033-40347200
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REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE : 1:1000

TITLE :

Utility Relocation Plan
(For Telephone Department)
(Ch. 0+000 to Ch. 1+000)

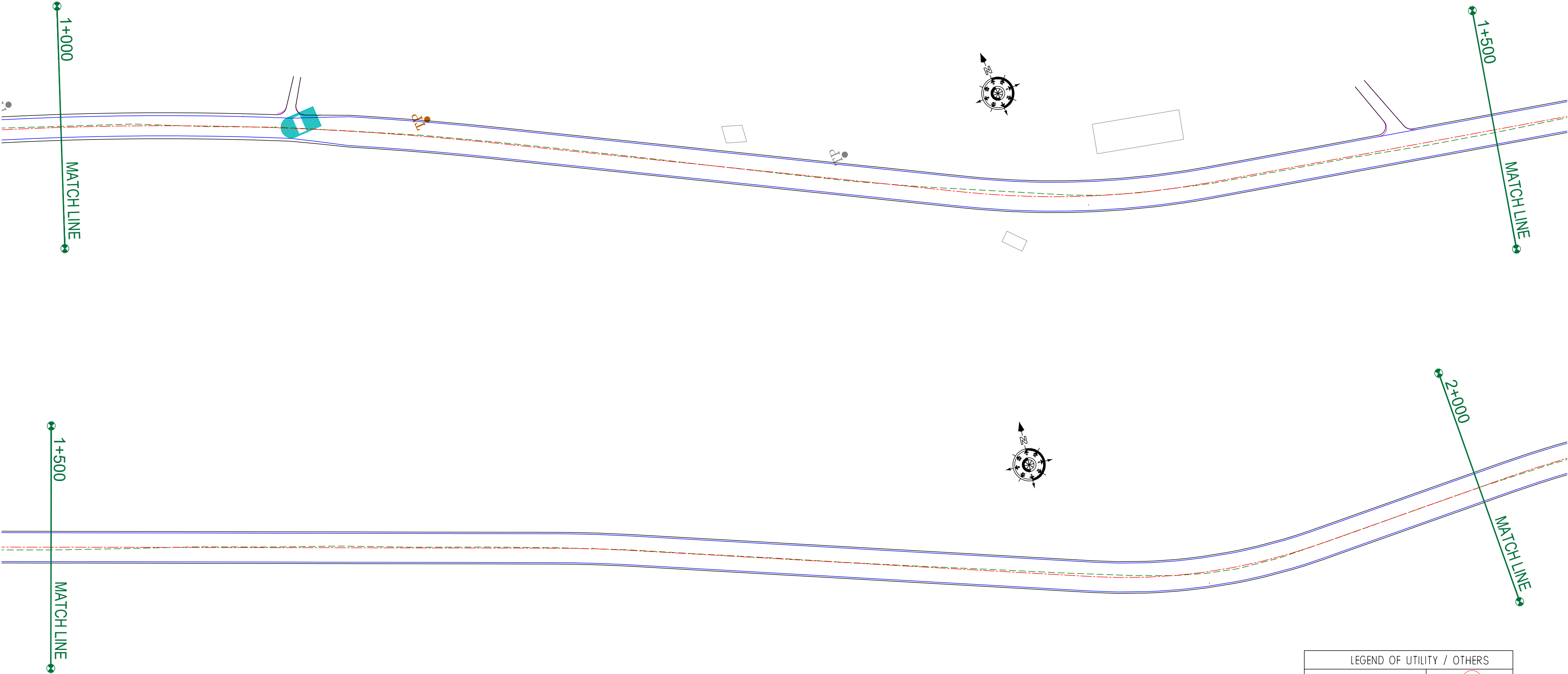
DRG. NO. : EPTISA/JTFRP/DPR/J&K/URP/01

REVISION : R-1

August 2019

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Pulwama →



ROAD PARAMETER LEGEND	
EXT. CENTER LINE	---
PROPOSED CARRIAGEWAY	---
PROPOSED CENTER LINE	---
PROPOSED SHOULDER	---

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
TELEPHONE POLE (TP)	01	00
OFC	01	00

LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



Servicios de Ingenieria S.L.
Unit 1203, 12th Floor, Tower 1, PS Srijan
Corporate Park, Plot No. 2, Block EP & GP,
Sector v, Salt Lake Kolkata - 700091,
West Bengal
Ph: 033-40347200
www.eptisa.com

REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE : **Utility Relocation Plan**
(For Telephone Department)
(Ch. 1+000 to Ch. 2+000)

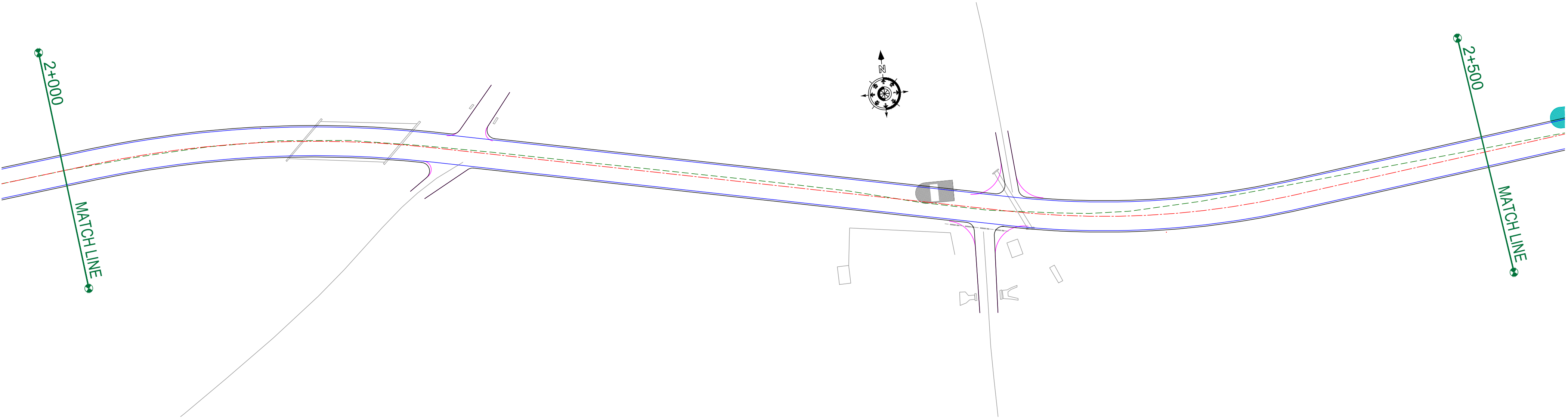
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REVISION : R-1

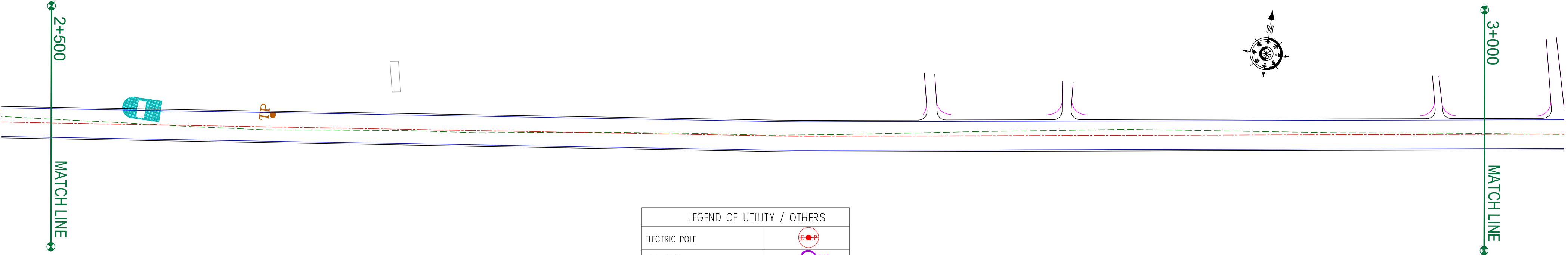
August 2019

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Pulwama →



CHINAR BAGH VILLAGE



CHINAR BAGH VILLAGE

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	<div></div>
PROPOSED CARRIAGEWAY	<div></div>
PROPOSED CENTER LINE	<div></div>
PROPOSED SHOULDER	<div></div>

LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	<div></div>
TRANSFORMER	<div>TNS</div>
LAMP POST	<div>LP</div>
WATER TANK	<div></div>
OFC	<div></div>
TELEPHONE POLE	<div>TP</div>
WATER PIPE	<div></div>
EP BOX	<div>EP BOX</div>
HANDPUMP	<div></div>

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
TELEPHONE POLE (TP)	01	00
OFC	01	00

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

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DESIGN CONSULTANT:



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Sector v, Salt Lake Kolkata - 700091,
West Bengal
Ph: 033-40347200
www.eptisa.com

REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE : 1:1000

TITLE :

Utility Relocation Plan
(For Telephone Department)
(Ch. 2+000 to Ch. 3+000)

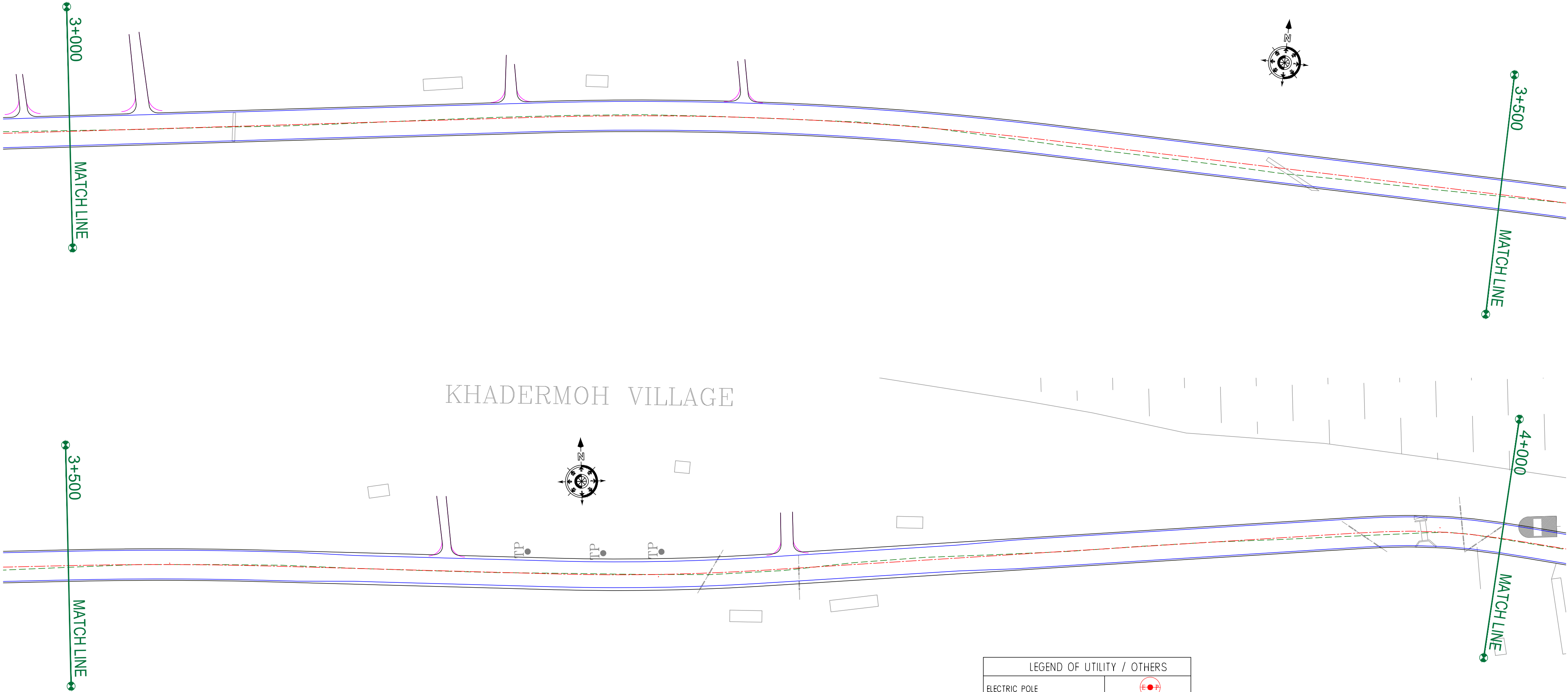
DRG. NO. : EPTISA/JTFRP/DPR/J&K/URP/03

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ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
TELEPHONE POLE (TP)	00	00
OFC	00	00

LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



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Sector v, Salt Lake Kolkata - 700091,
West Bengal
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REV.	DATE	DESCRIPTION
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DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE : 1:1000

TITLE :

Utility Relocation Plan
(For Telephone Department)
(Ch. 3+000 to Ch. 4+000)

DRG. NO. : EPTISA/JTFRP/DPR/J&K/URP/04

REVISION : R-1

August 2019



MARVAL VILLAGE

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	---
PROPOSED CARRIAGEWAY	---
PROPOSED CENTER LINE	---
PROPOSED SHOULDER	---

LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
TELEPHONE POLE (TP)	00	00
OFC	00	00

CLIENT :

Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:

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West Bengal
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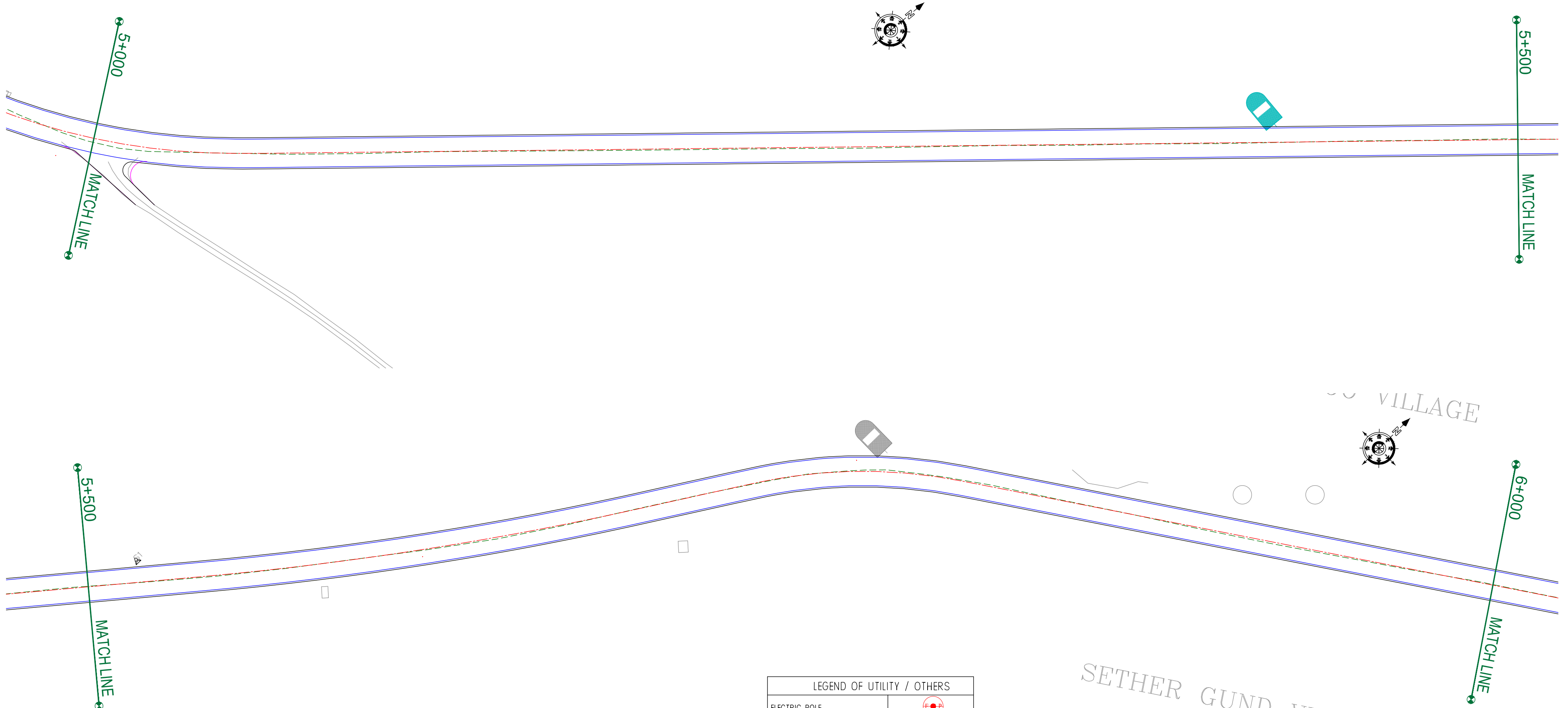
REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	Utility Relocation Plan (For Telephone Department) (Ch. 4+000 to Ch. 5+000)	
DRG. NO. :	EPTISA/JTRFP/DPR/J&K/URP/05	
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ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
TELEPHONE POLE (TP)	00	00
OFC	01	00

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

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DESIGN CONSULTANT:



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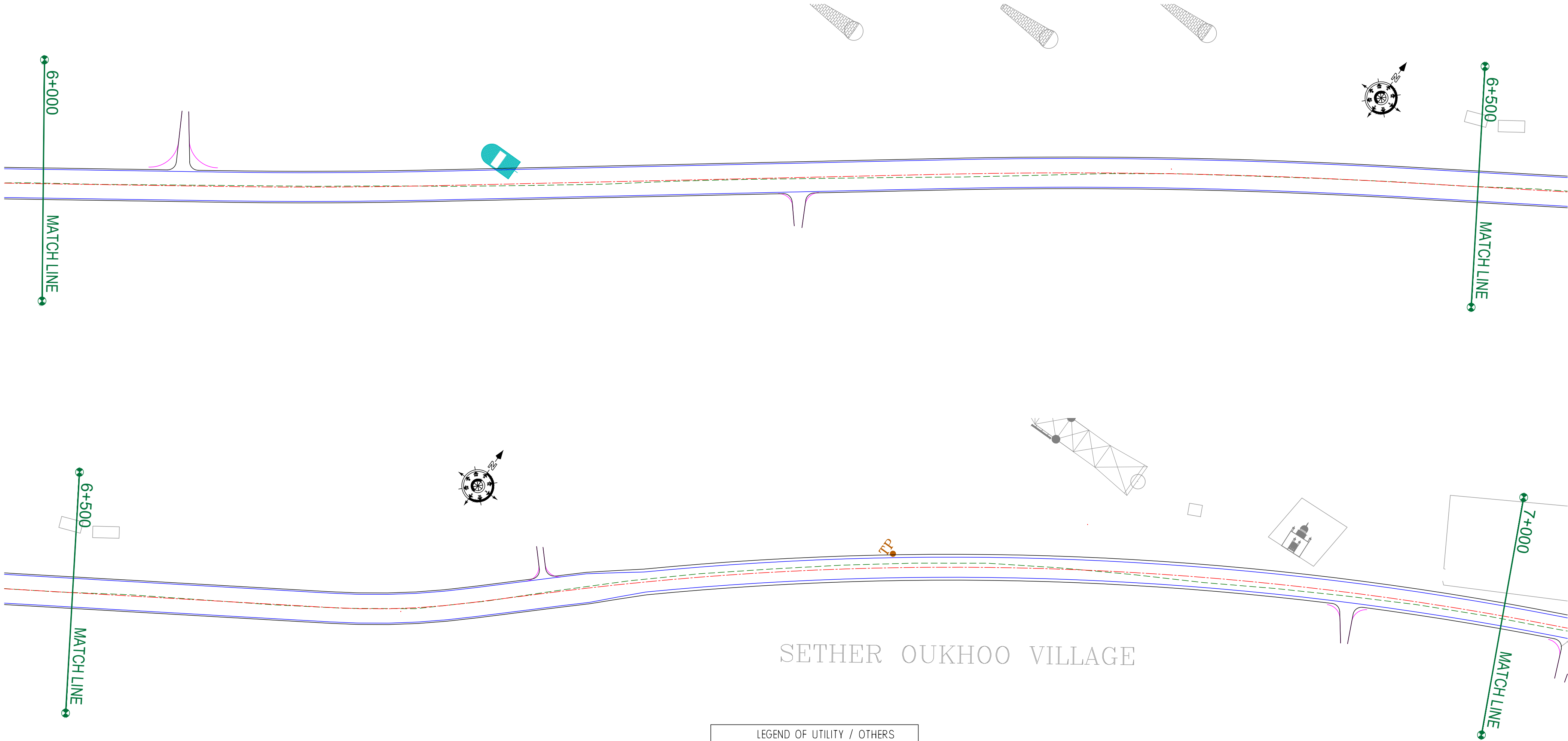
REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	Utility Relocation Plan (For Telephone Department) (Ch. 5+000 to Ch. 6+000)
DRG. NO. :	EPTISA/JTFRP/DPR/J&K/URP/06
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ROAD PARAMETER LEGEND	
EXT. CENTER LINE	---
PROPOSED CARRIAGEWAY	---
PROPOSED CENTER LINE	---
PROPOSED SHOULDER	---

LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
TELEPHONE POLE (TP)	01	00
OFC	01	00

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

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(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



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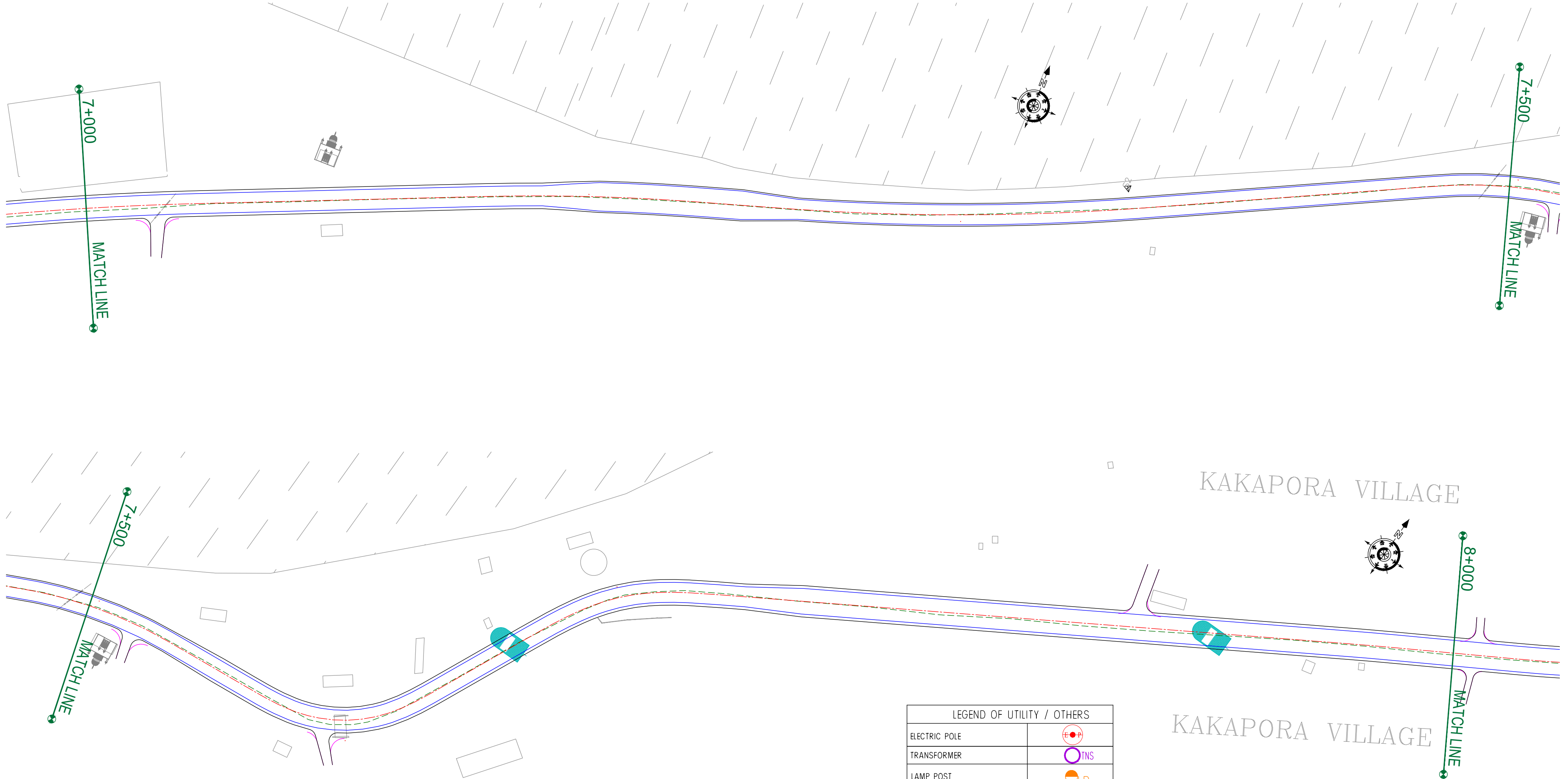
REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	Utility Relocation Plan (For Telephone Department) (Ch. 6+000 to Ch. 7+000)
DRG. NO. :	EPTISA/JTRFP/DPR/J&K/URP/07
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ROAD PARAMETER LEGEND	
EXT. CENTER LINE	---
PROPOSED CARRIAGEWAY	---
PROPOSED CENTER LINE	---
PROPOSED SHOULDER	---

LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
TELEPHONE POLE (TP)	00	00
OFC	00	02

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



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REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE : 1:1000

TITLE :

Utility Relocation Plan
(For Telephone Department)
(Ch. 7+000 to Ch. 8+000)

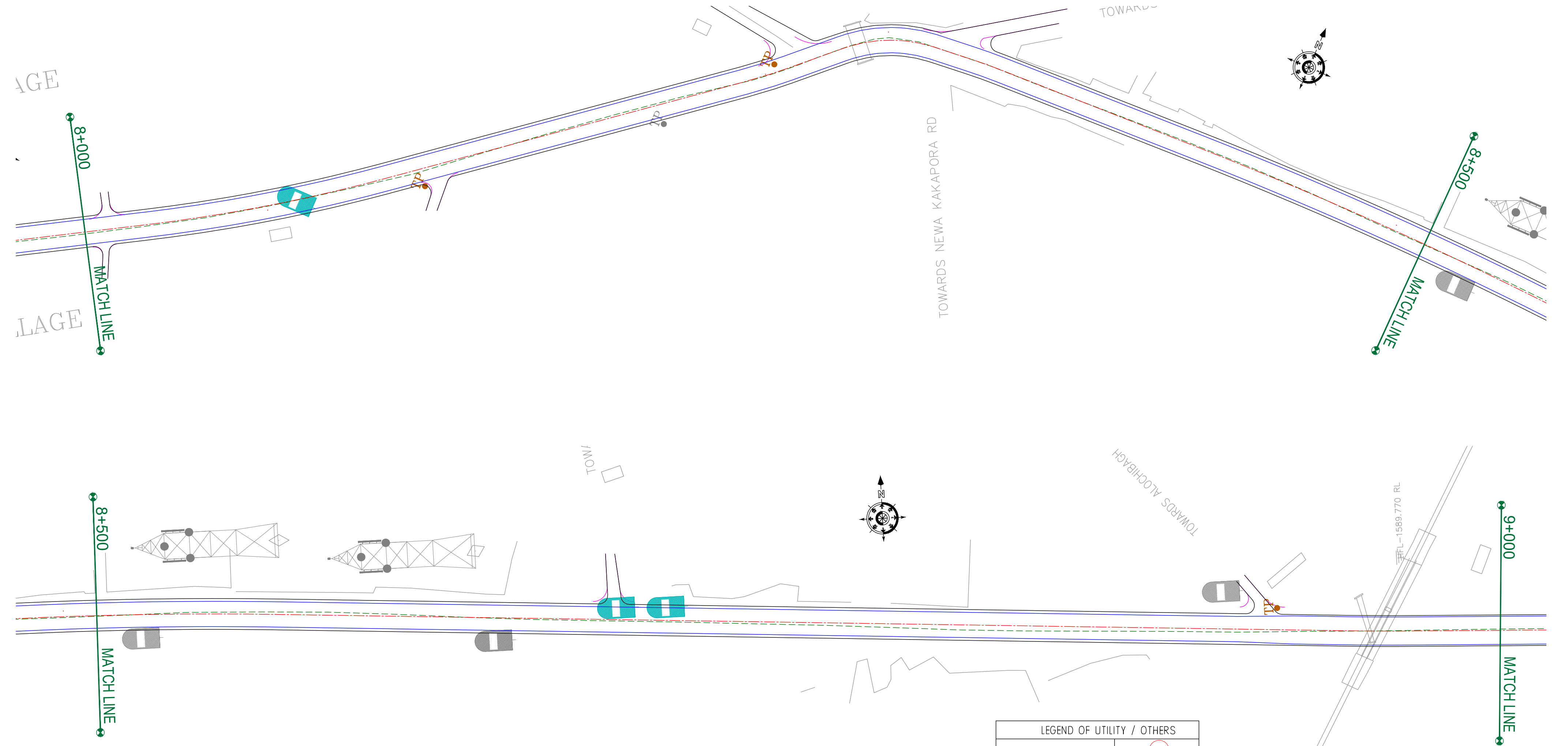
DRG. NO. : EPTISA/JTRFP/DPR/J&K/URP/08

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August 2019

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ROAD PARAMETER LEGEND	
EXT. CENTER LINE	---
PROPOSED CARRIAGEWAY	---
PROPOSED CENTER LINE	---
PROPOSED SHOULDER	---

LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
TELEPHONE POLE (TP)	02	01
OFC	02	01

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



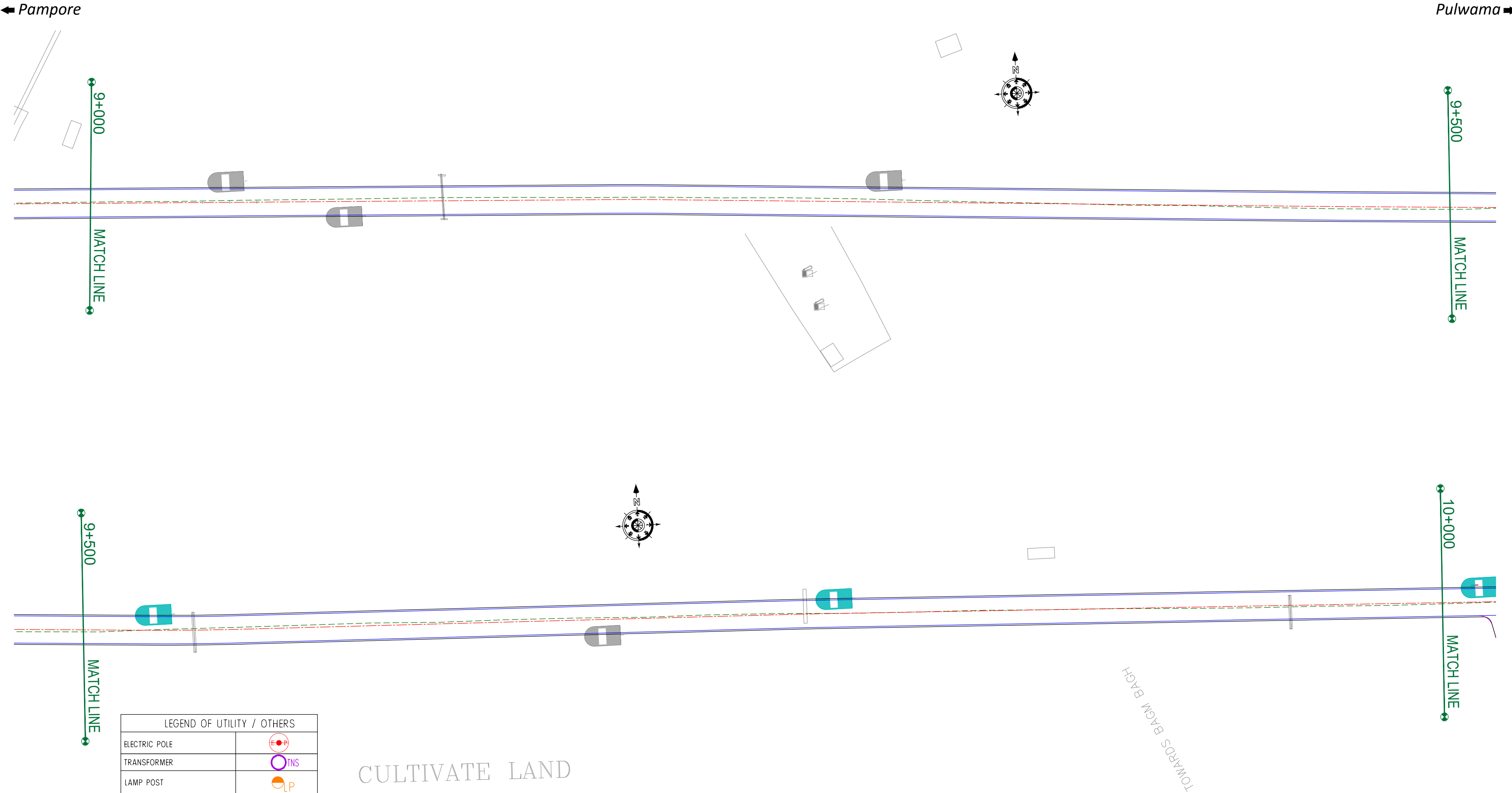
Servicios de Ingenieria S.L.

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Corporate Park, Plot No. 2, Block EP & GP,
Sector v, Salt Lake Kolkata - 700091,
West Bengal
Ph: 033-40347200
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REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	Utility Relocation Plan (For Telephone Department) (Ch. 8+000 to Ch. 9+000)
DRG. NO. :	EPTISA/JTRFP/DPR/J&K/URP/09
REVISION : R-1	August 2019



LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

CULTIVATE LAND

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
TELEPHONE POLE (TP)	02	00
OFC	00	00

CLIENT :

Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:

Servicios de Ingenieria S.L.
Unit 1203, 12th Floor, Tower 1, PS Srijan
Corporate Park, Plot No. 2, Block EP & GP,
Sector v, Salt Lake Kolkata - 700091,
West Bengal
Ph: 033-40347200
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REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE : 1:1000

TITLE : Utility Relocation Plan
(For Telephone Department)
(Ch. 9+000 to Ch. 10+000)

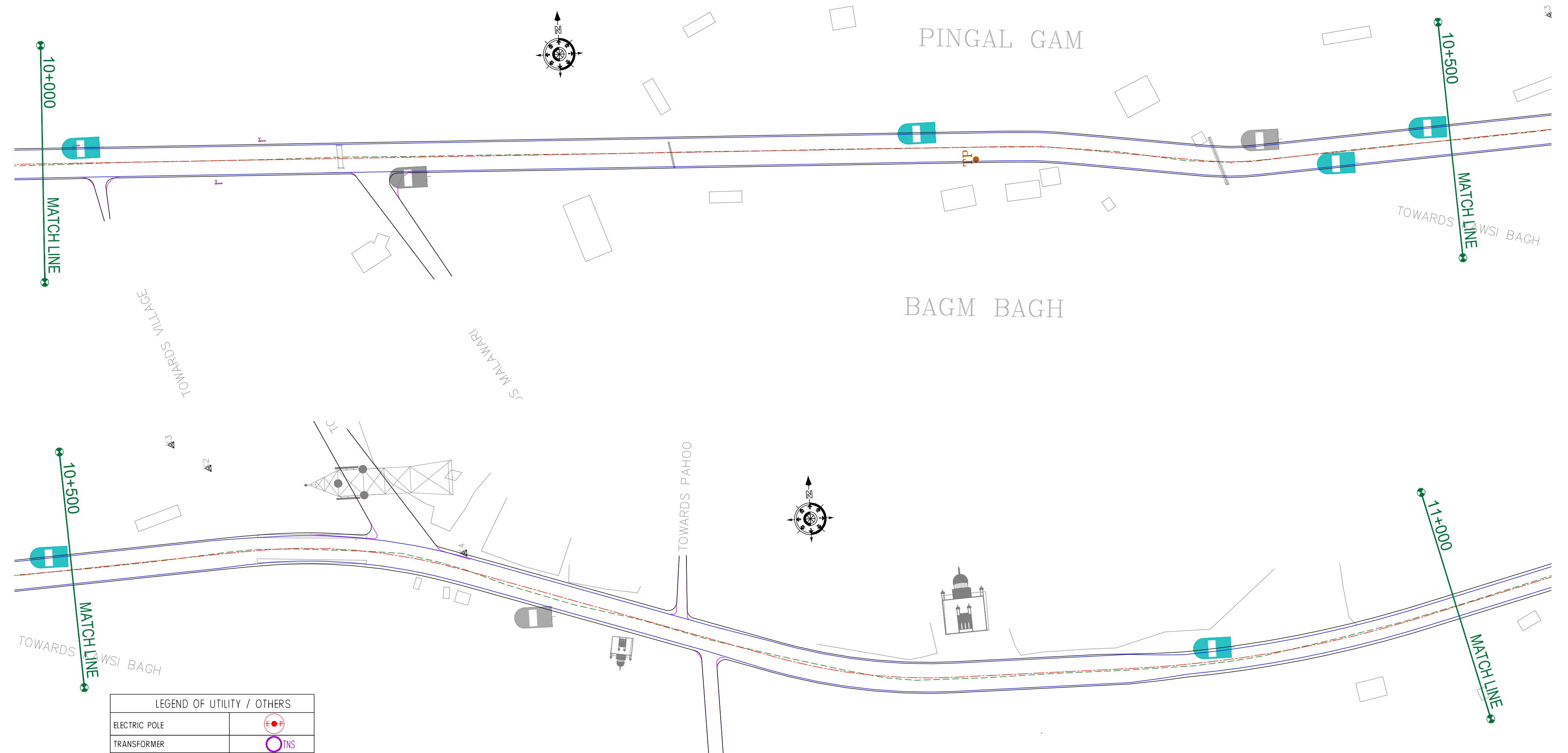
DRG. NO. : EPTISA/JTFRP/DPR/J&K/URP/10

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August 2019

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LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
TELEPHONE POLE (TP)	00	01
OFC	04	01

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



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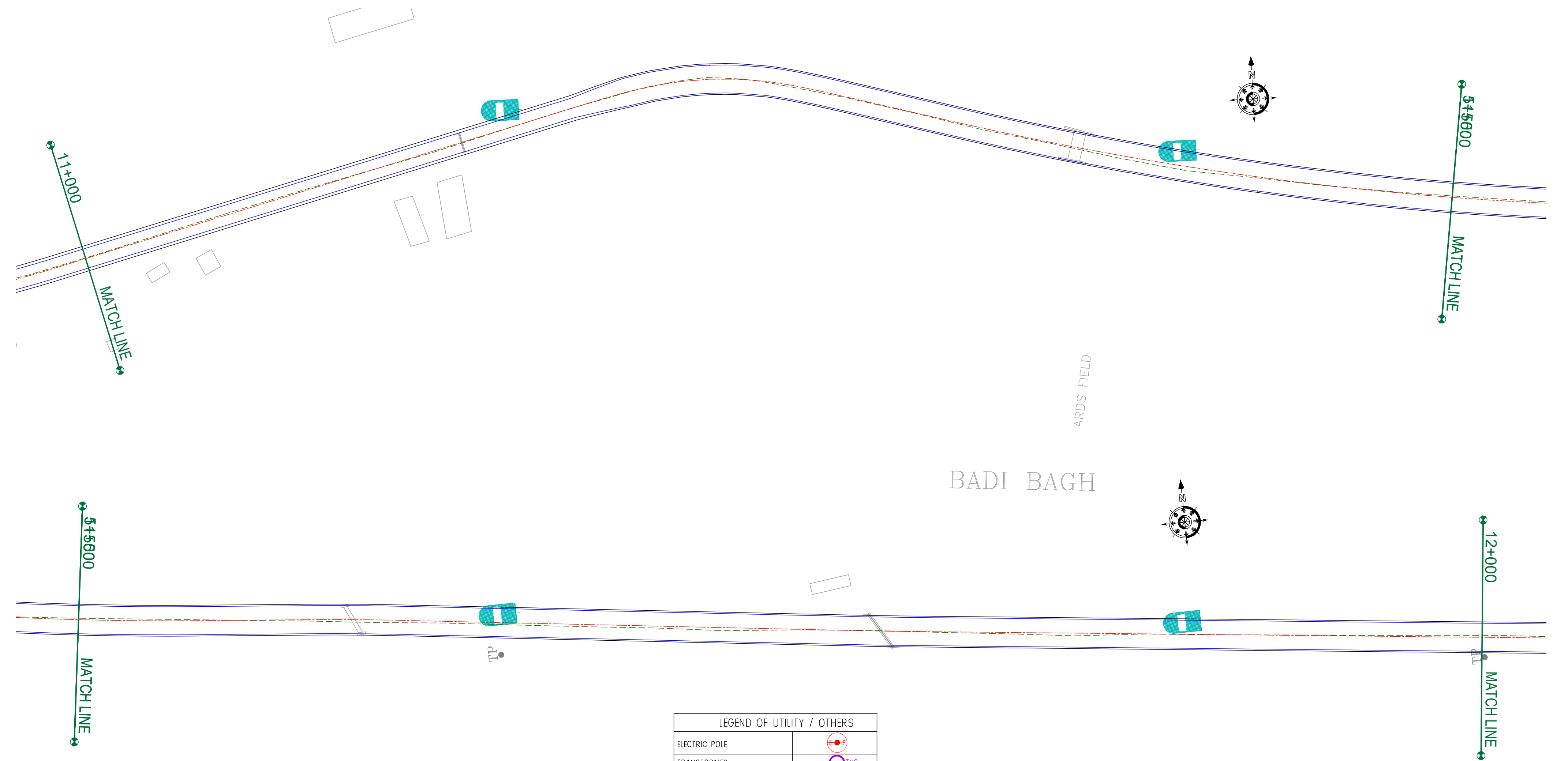
REV.	DATE	DESCRIPTION

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DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	Utility Relocation Plan (For Telephone Department) (Ch. 10+000 to Ch. 11+000)
DRG. NO. :	EPTISA/JTRP/DPR/J&K/URP/11
REVISION : R-1	August 2019

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ROAD PARAMETER LEGEND	
EXT. CENTER LINE	---
PROPOSED CARRIAGEWAY	---
PROPOSED CENTER LINE	---
PROPOSED SHOULDER	---

LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
TELEPHONE POLE (TP)	00	00
OFC	04	00

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



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Corporate Park, Plot No. 2, Block EP & GP,
Sector v, Salt Lake Kolkata - 700091,
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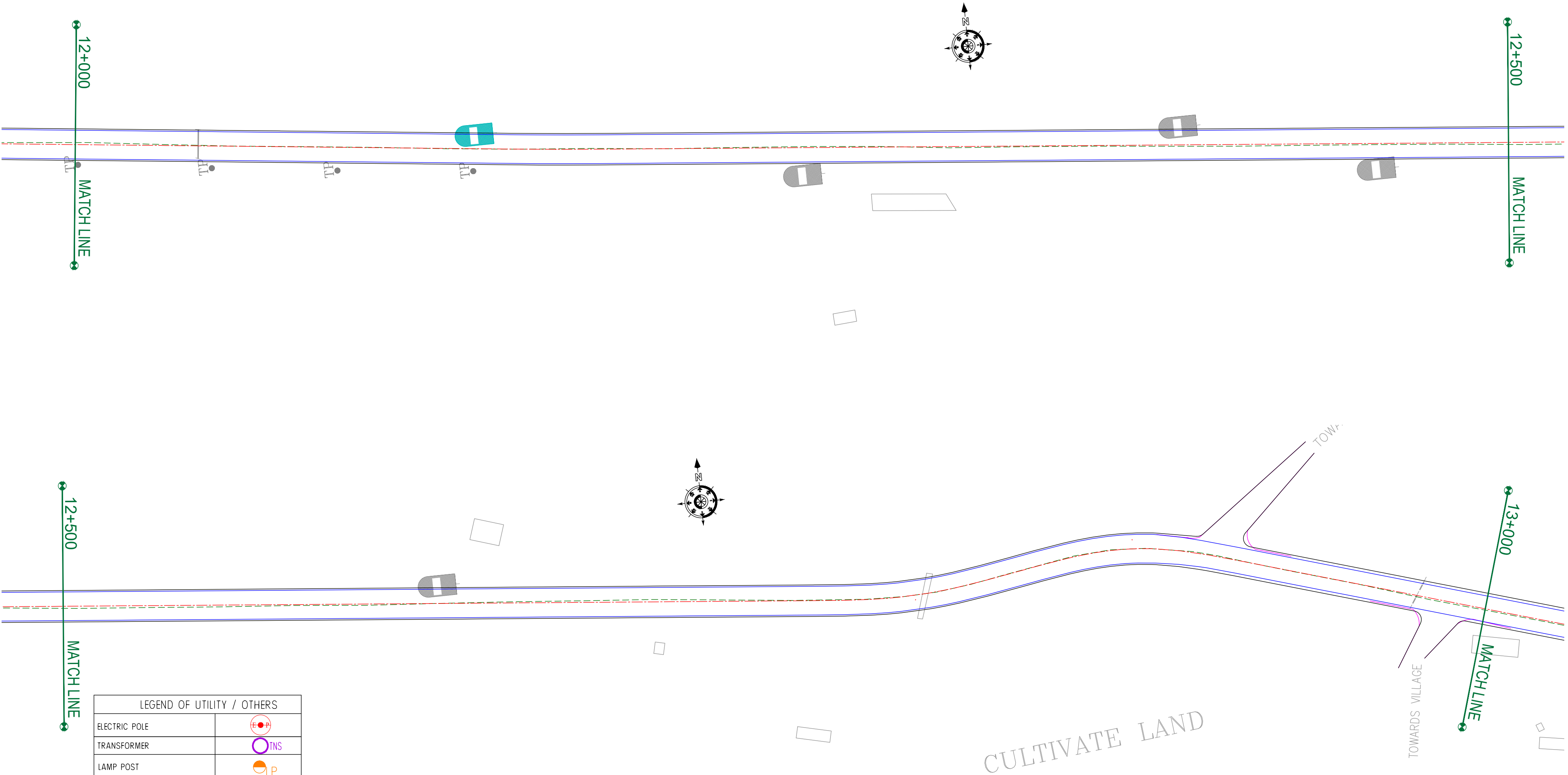
REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	Utility Relocation Plan (For Telephone Department) (Ch. 11+000 to Ch. 12+000)	
DRG. NO. :	EPTISA/JTRP/DPR/J&K/URP/12	
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LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
TELEPHONE POLE (TP)	00	00
OFC	01	00

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

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West Bengal
Ph: 033-40347200
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REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	Utility Relocation Plan (For Telephone Department) (Ch. 12+000 to Ch. 13+000)
DRG. NO. :	EPTISA/JTFRP/DPR/J&K/URP/13
REVISION : R-1	August 2019

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LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
TELEPHONE POLE (TP)	00	00
OFC	03	03

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



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Ph: 033-40347200
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REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE : **Utility Relocation Plan**
(For Telephone Department)
(Ch. 13+000 to Ch. 14+000)

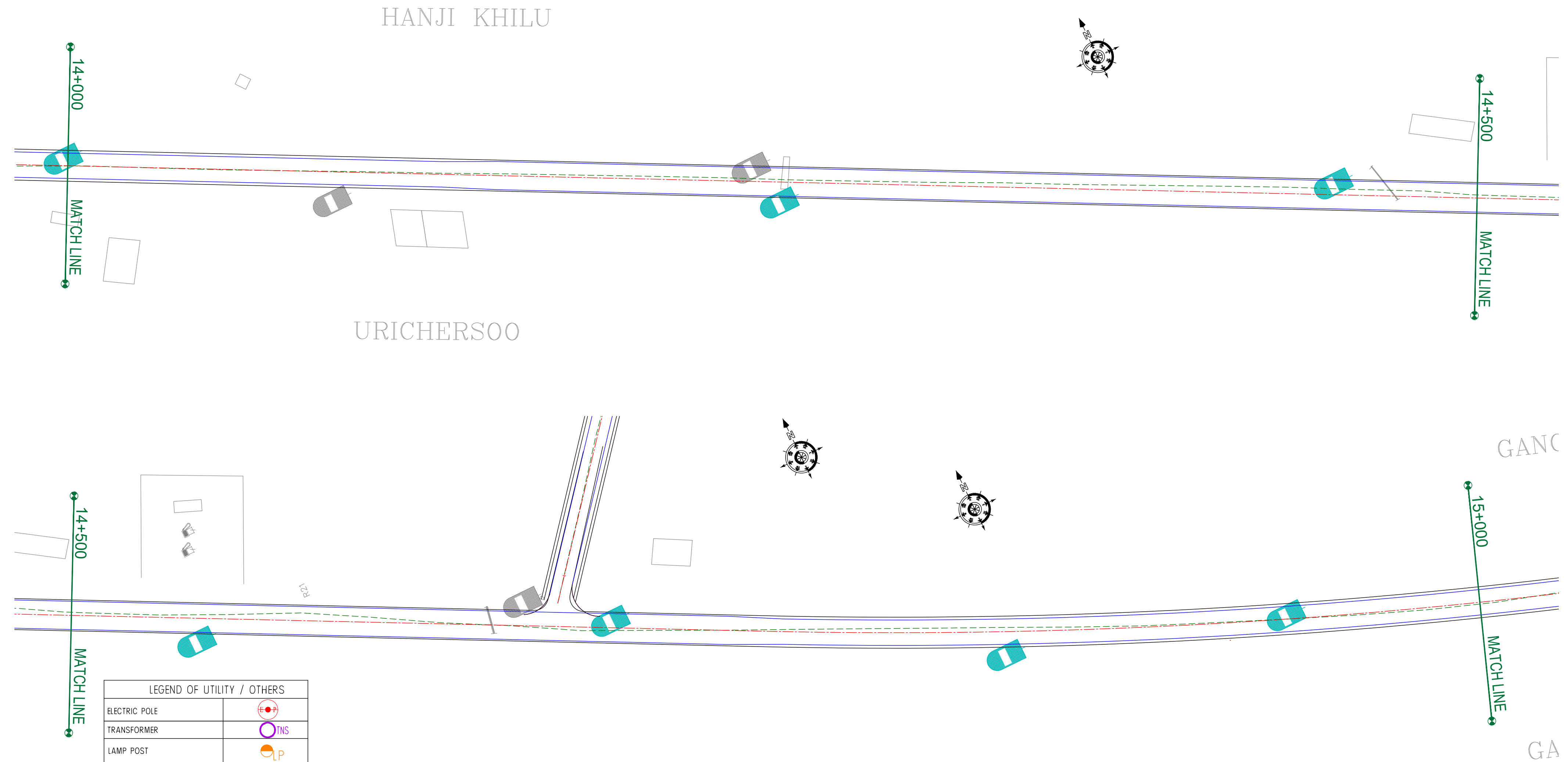
DRG. NO. : EPTISA/JTRP/DPR/J&K/URP/14

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LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
TELEPHONE POLE (TP)	00	00
OFC	04	03

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

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REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	Utility Relocation Plan (For Telephone Department) (Ch. 14+000 to Ch. 15+000)	
DRG. NO. :	EPTISA/JTFRP/DPR/J&K/URP/15	
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LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
TELEPHONE POLE (TP)	01	00
OFC	00	00

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

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DESIGN CONSULTANT:



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Ph: 033-40347200
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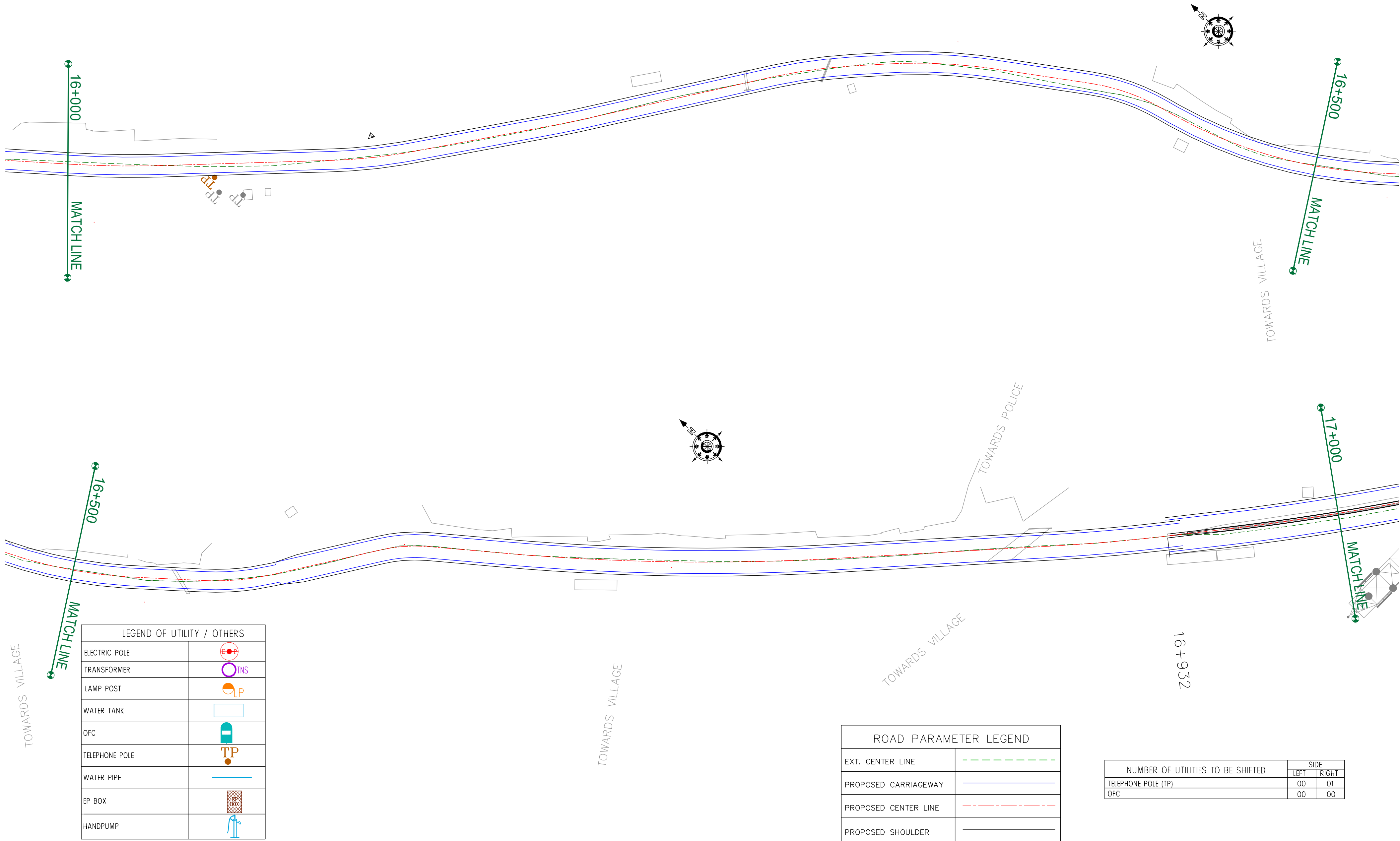
REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	Utility Relocation Plan (For Telephone Department) (Ch. 15+000 to Ch. 16+000)
DRG. NO. :	EPTISA/JTRFP/DPR/J&K/URP/16
REVISION : R-1	August 2019

← Pampore

Pulwama →



LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
TELEPHONE POLE (TP)	00	01
OFC	00	00

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



Servicios de Ingenieria S.L.

Unit 1203, 12th Floor, Tower 1, PS Srijan
Corporate Park, Plot No. 2, Block EP & GP,
Sector v, Salt Lake Kolkata - 700091,
West Bengal
Ph: 033-40347200
www.eptisa.com

REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE : 1:1000

TITLE :

Utility Relocation Plan
(For Telephone Department)
(Ch. 16+000 to Ch. 17+000)

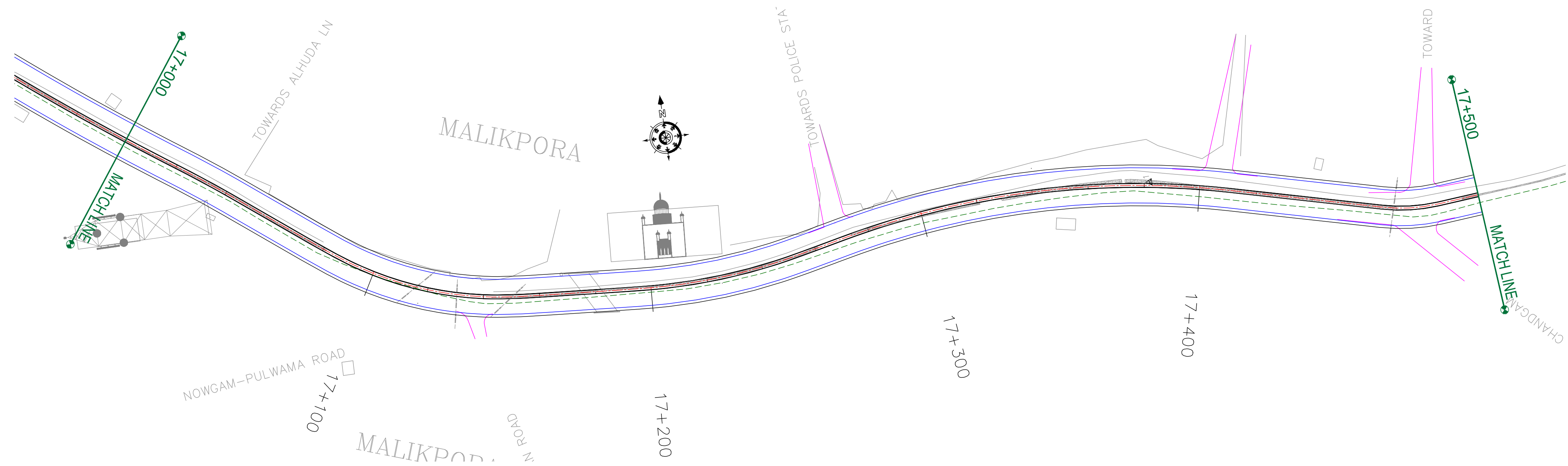
DRG. NO. : EPTISA/JTRP/DPR/J&K/URP/17

REVISION : R-1

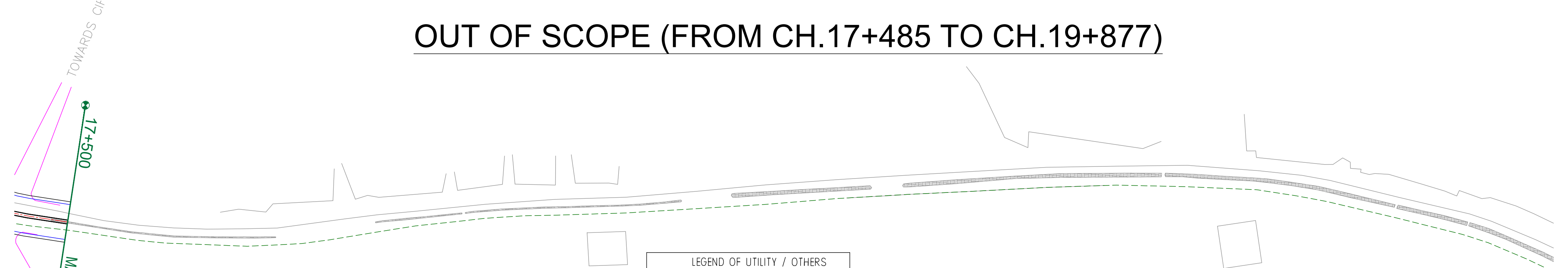
August 2019

← Pampore

Pulwama →



OUT OF SCOPE (FROM CH.17+485 TO CH.19+877)



LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
TELEPHONE POLE (TP)	00	00
OFC	00	00

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



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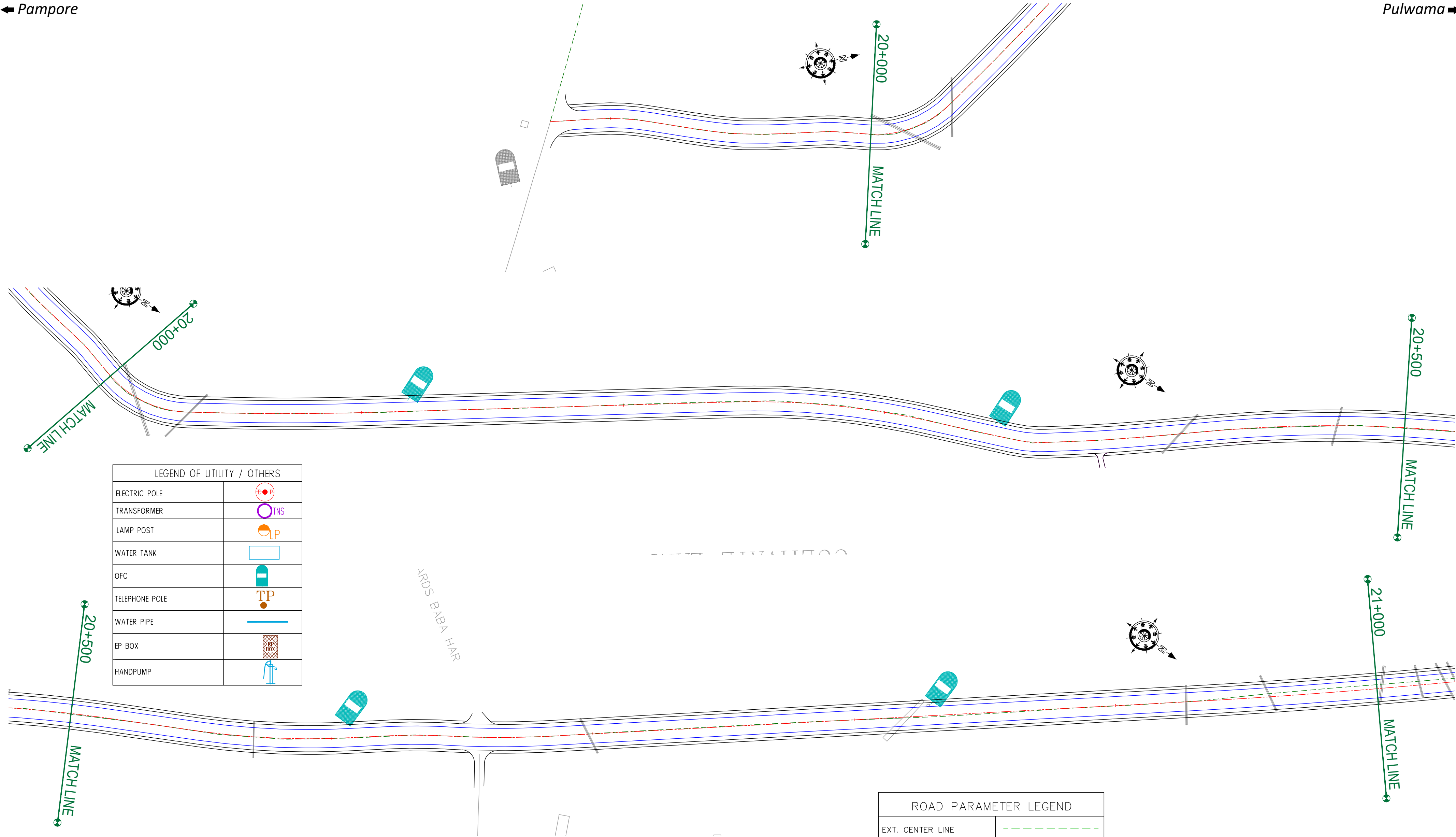
REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	Utility Relocation Plan (For Telephone Department) (Ch. 17+000 to Ch. 17+500)
DRG. NO. :	EPTISA/JTRP/DPR/J&K/URP/18
REVISION : R-1	August 2019

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Pulwama →



LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
TELEPHONE POLE (TP)	00	00
OFC	04	00

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



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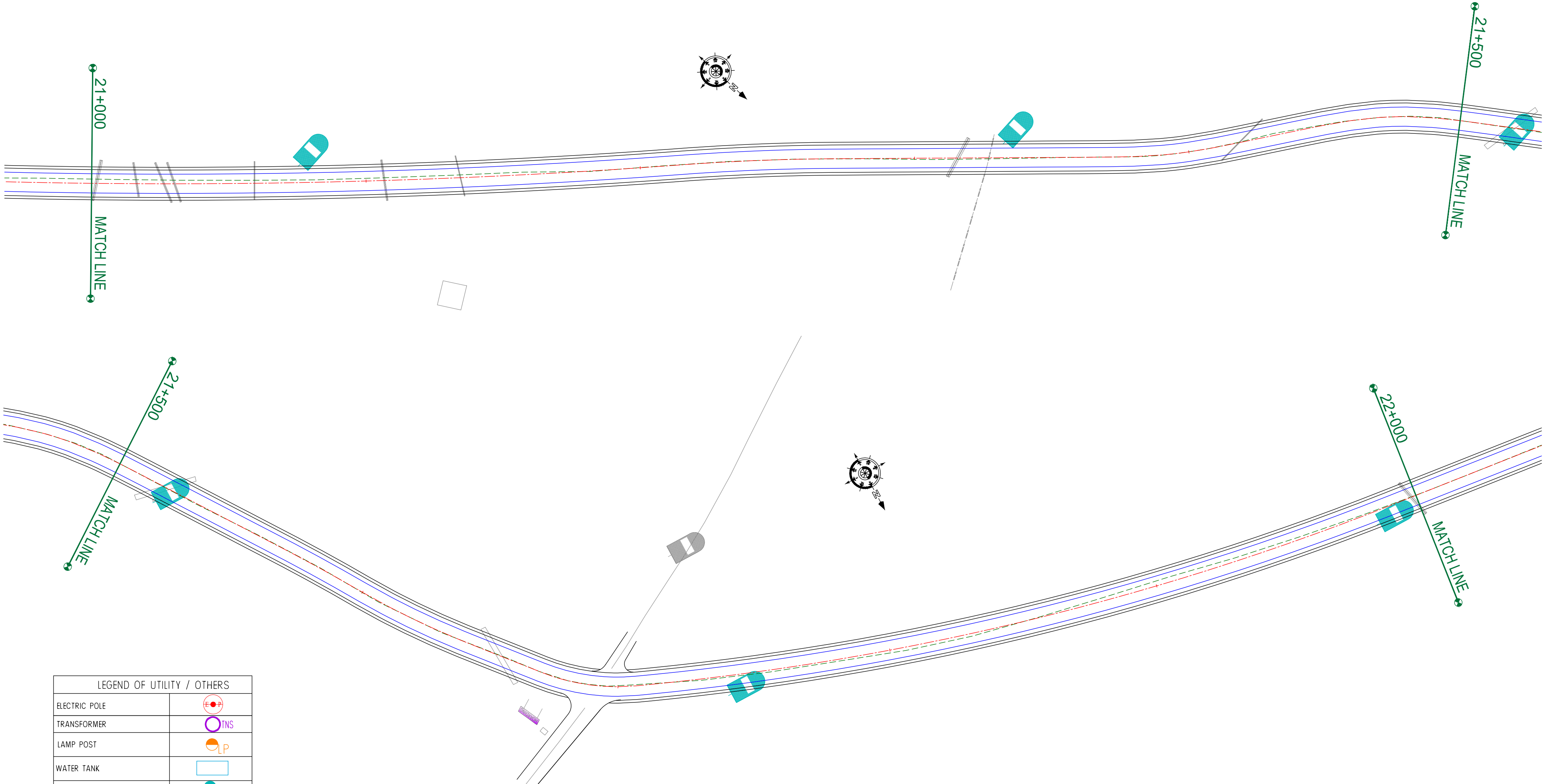
REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	Utility Relocation Plan (For Telephone Department) (Ch. 19+877 to Ch. 21+000)
DRG. NO. :	EPTISA/JTRP/DPR/J&K/URP/19
REVISION : R-1	August 2019

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Pulwama →



LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
TELEPHONE POLE (TP)	00	00
OFC	02	03

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



Servicios de Ingenieria S.L.

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Corporate Park, Plot No. 2, Block EP & GP,
Sector v, Salt Lake Kolkata - 700091,
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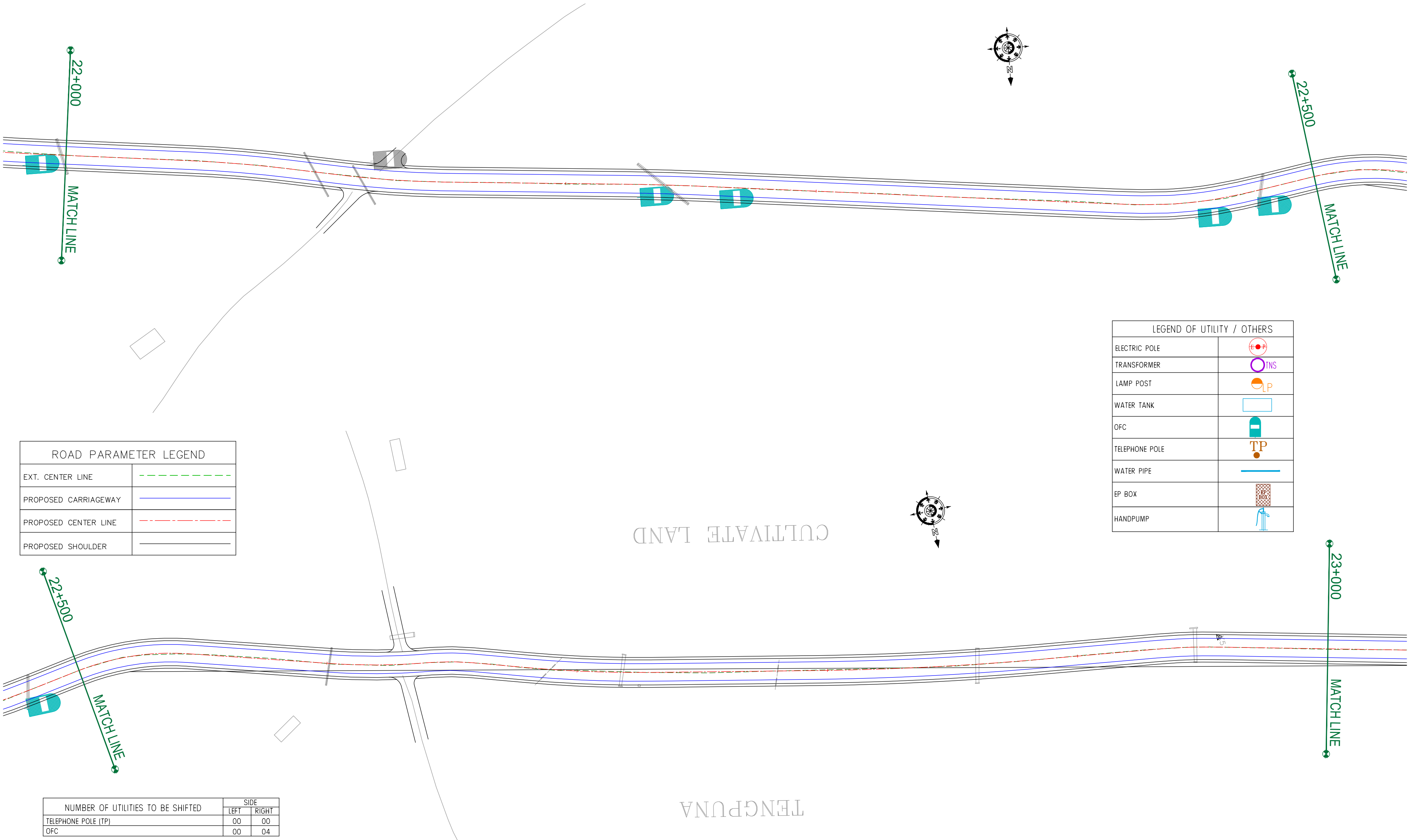
REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	Utility Relocation Plan (For Telephone Department) (Ch. 21+000 to Ch. 22+000)
DRG. NO. :	EPTISA/JTRFP/DPR/J&K/URP/20
REVISION : R-1	August 2019

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Pulwama →



ROAD PARAMETER LEGEND	
EXT. CENTER LINE	---
PROPOSED CARRIAGEWAY	---
PROPOSED CENTER LINE	---
PROPOSED SHOULDER	---

LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
TELEPHONE POLE (TP)	00	00
OFC	00	04

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



Servicios de Ingenieria S.L.
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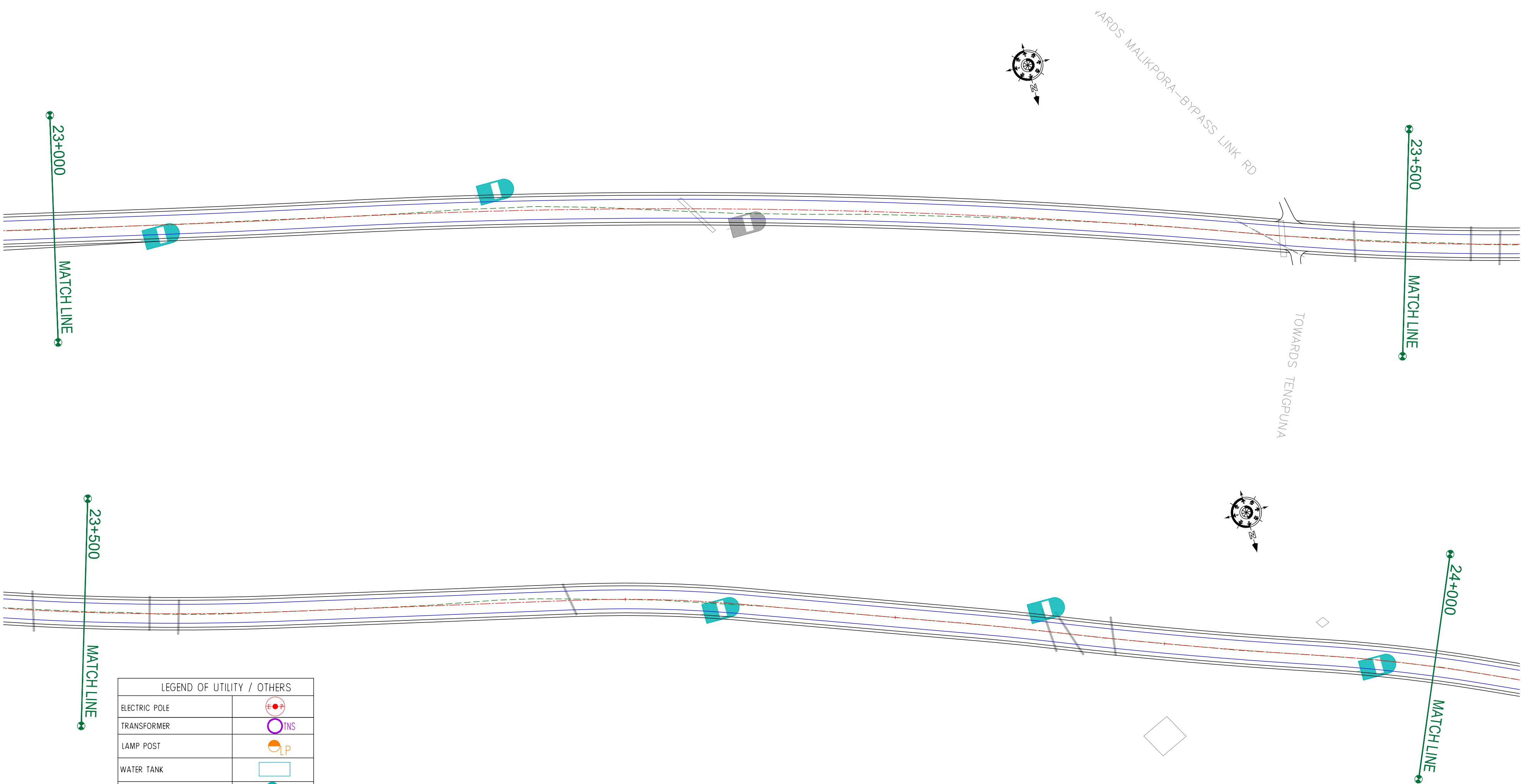
REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	Utility Relocation Plan (For Telephone Department) (Ch. 22+000 to Ch. 23+000)
DRG. NO. :	EPTISA/JTRFP/DPR/J&K/URP/21
REVISION : R-1	August 2019

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Pulwama →



LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
TELEPHONE POLE (TP)	00	00
OFC	02	03

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



Servicios de Ingenieria S.L.

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REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE : 1:1000

TITLE :

Utility Relocation Plan
(For Telephone Department)
(Ch. 23+000 to Ch. 24+000)

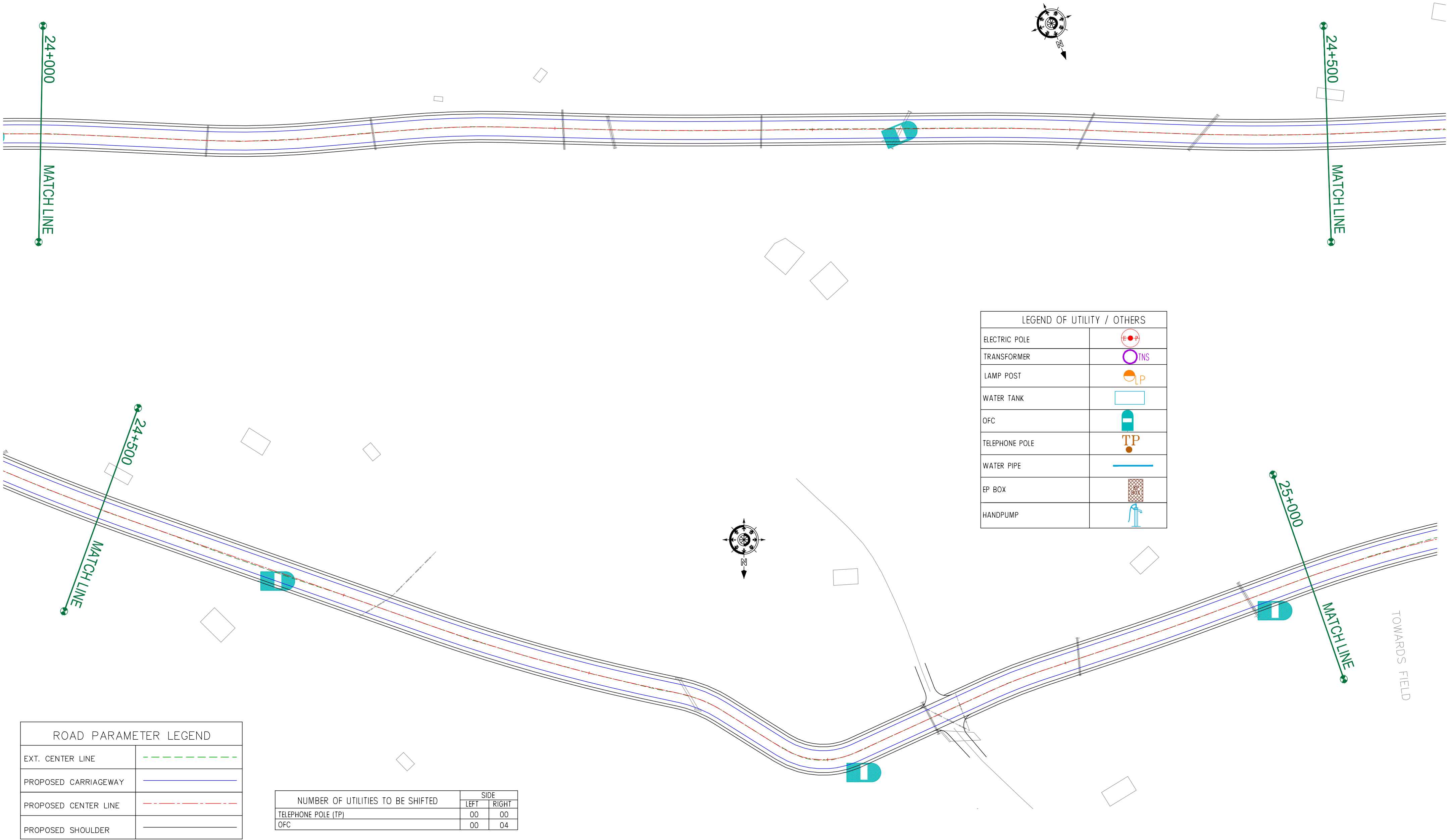
DRG. NO. : EPTISA/JTRP/DPR/J&K/URP/22

REVISION : R-1

August 2019

← Pampore

Pulwama →



CLIENT :

Jhelum & Tawi
FLOOD RECOVERY PROJECT

Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:

Servicios de Ingenieria S.L.
Unit 1203, 12th Floor, Tower 1, PS Srijan
Corporate Park, Plot No. 2, Block EP & GP,
Sector v, Salt Lake Kolkata - 700091,
West Bengal
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REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

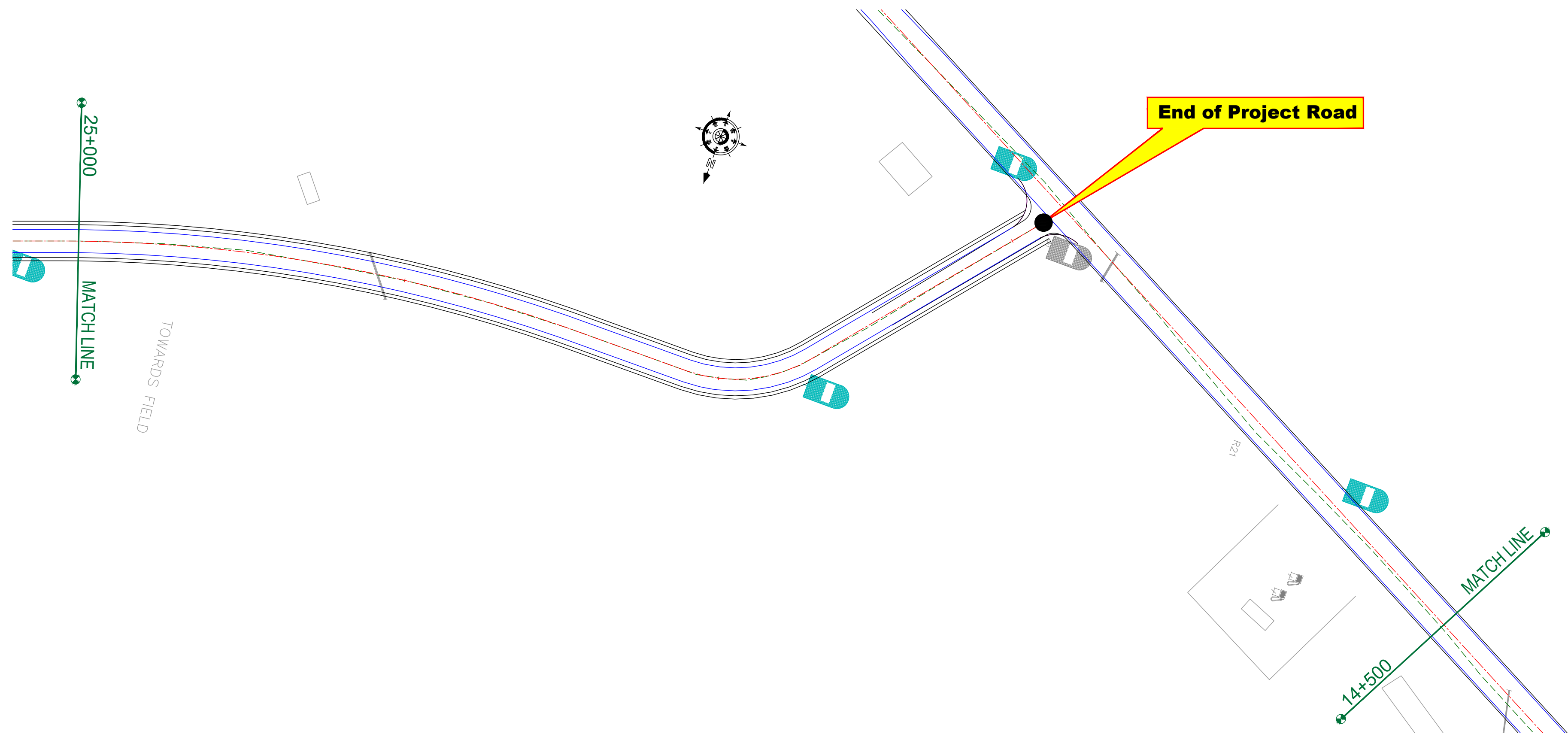
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TITLE : **Utility Relocation Plan**
(For Telephone Department)
(Ch. 24+000 to Ch. 25+000)

DRG. NO. : EPTISA/JTRFP/DPR/J&K/URP/23

REVISION : R-1

August 2019



LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
TELEPHONE POLE (TP)	00	00
OFC	00	01

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



Servicios de Ingenieria S.L.

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Corporate Park, Plot No. 2, Block EP & GP,
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REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE : 1:1000

TITLE :

Utility Relocation Plan
(For Telephone Department)
(Ch. 25+000 to Ch. 25+310)

DRG. NO. : EPTISA/JTFRP/DPR/J&K/URP/24

REVISION : R-1

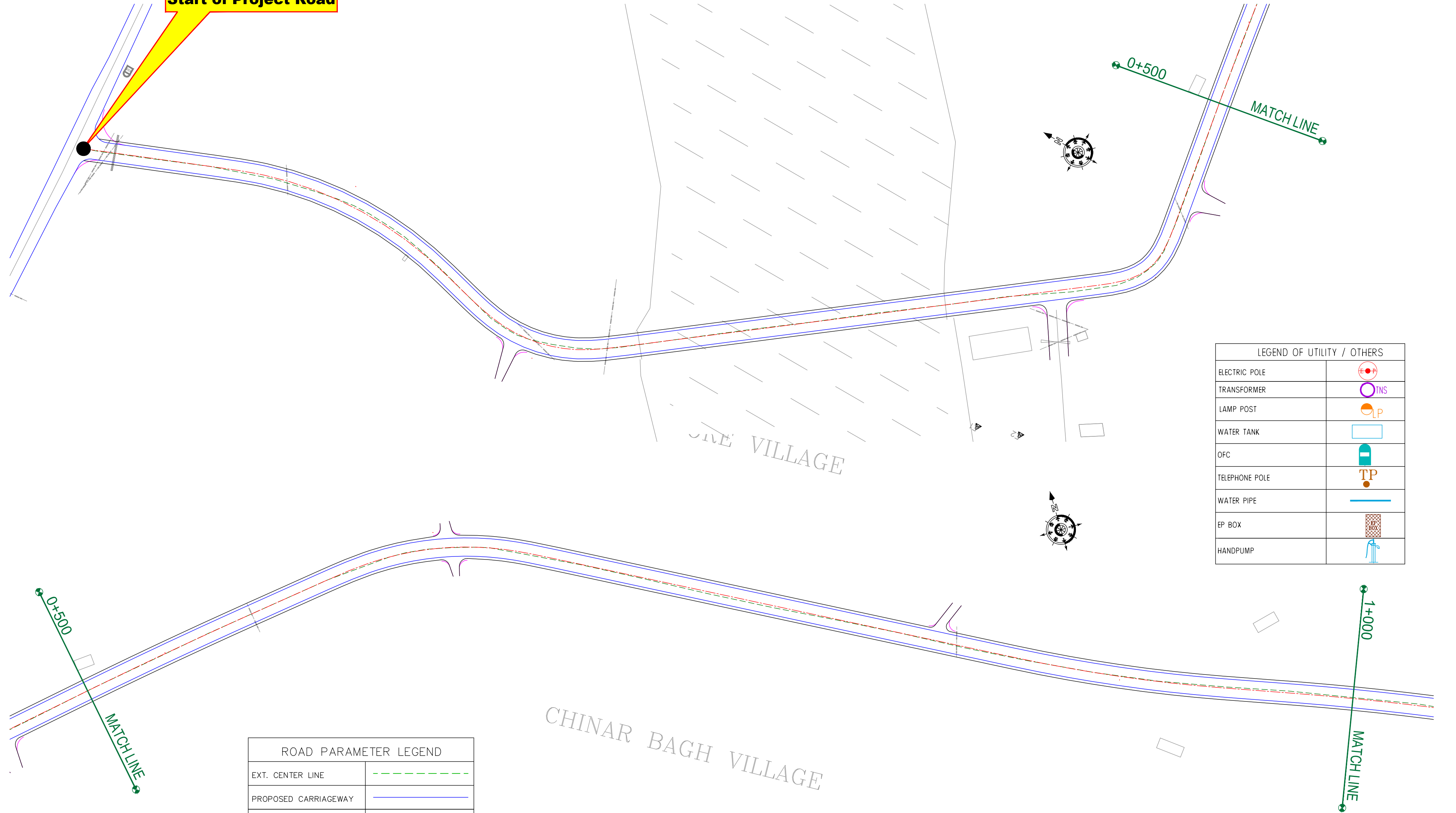
August 2019

≡ UTILITY RELOCATION PLAN FOR MAIN ROAD (WATER DEPARTMENT) ≡

← Pampore

Pulwama →

Start of Project Road



LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
WATER TANK	0	0
WATER PIPE	0	0

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



Servicios de Ingenieria S.L.
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Corporate Park, Plot No. 2, Block EP & GP,
Sector v, Salt Lake Kolkata - 700091,
West Bengal
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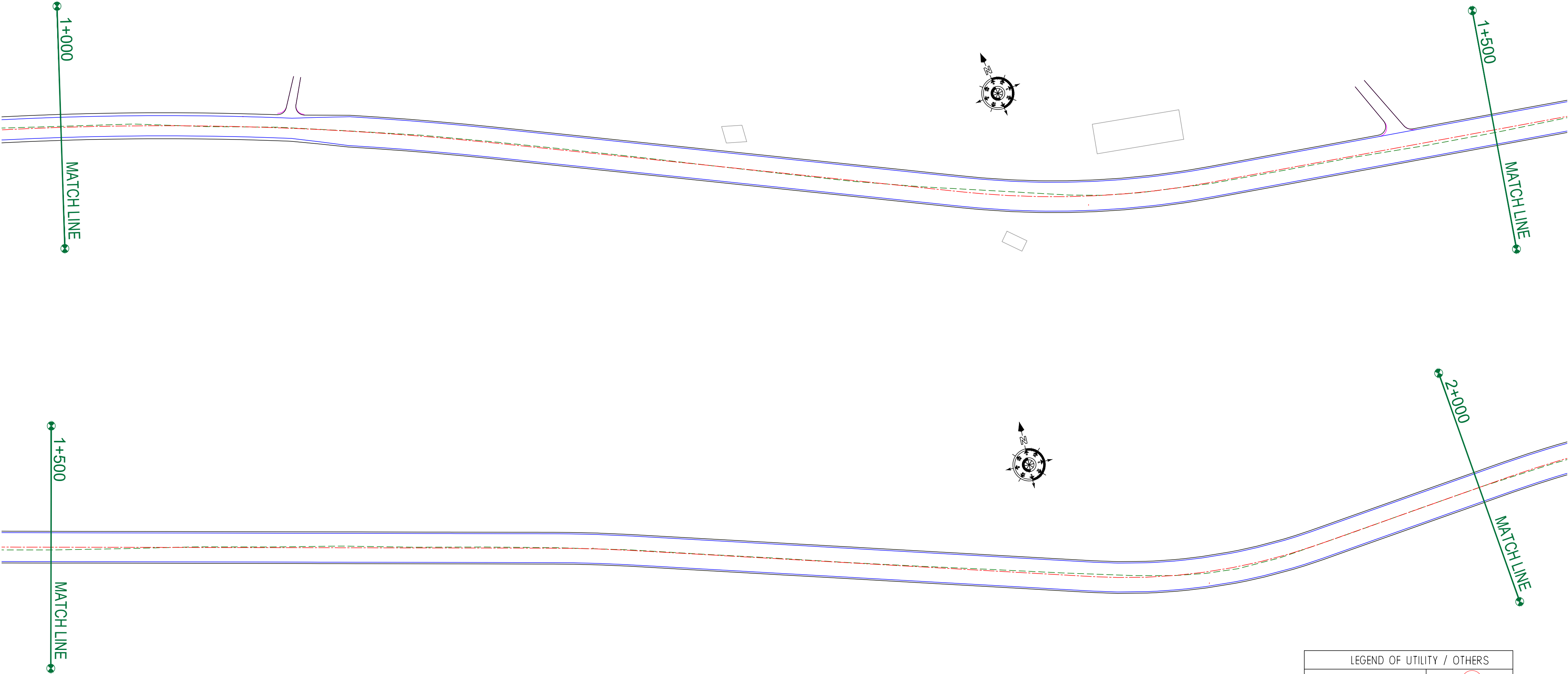
REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	Utility Relocation Plan (For Water Department) (Ch. 0+000 to Ch. 1+000)
DRG. NO. :	EPTISA/JTFRP/DPR/J&K/URP/01
REVISION : R-1	August 2019

← Pampore

Pulwama →



ROAD PARAMETER LEGEND	
EXT. CENTER LINE	---
PROPOSED CARRIAGEWAY	---
PROPOSED CENTER LINE	---
PROPOSED SHOULDER	---

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
WATER TANK	0	0
WATER PIPE	0	0

LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



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Corporate Park, Plot No. 2, Block EP & GP,
Sector v, Salt Lake Kolkata - 700091,
West Bengal
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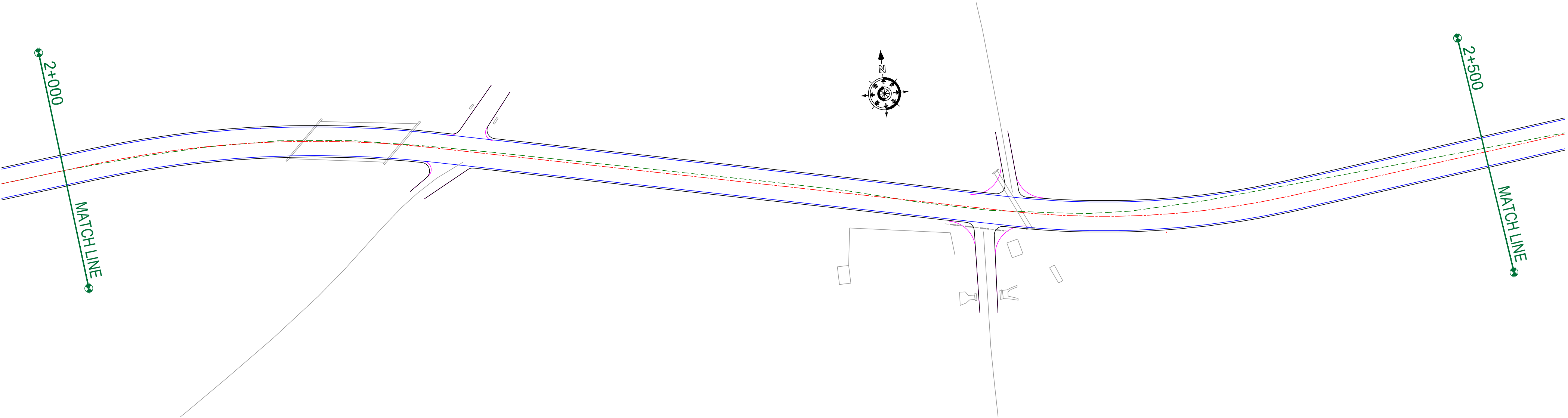
REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

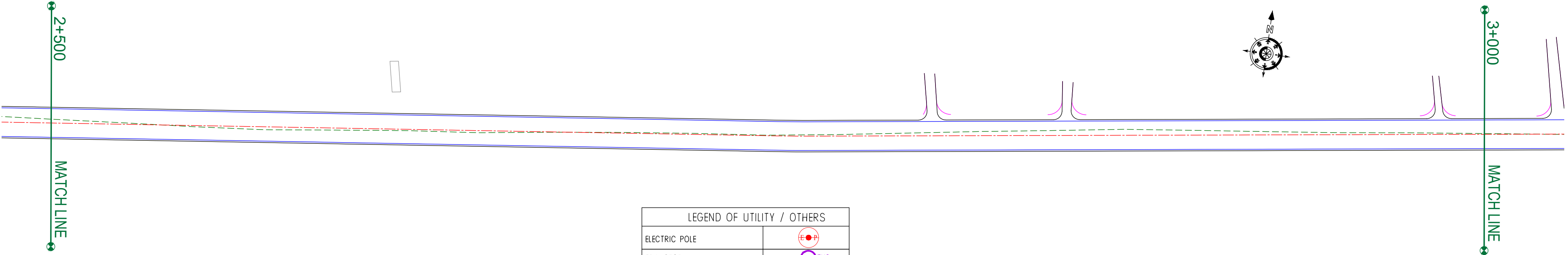
TITLE :	Utility Relocation Plan (For Water Department) (Ch. 1+000 to Ch. 2+000)
DRG. NO. :	EPTISA/JTRFP/DPR/J&K/URP/02
REVISION : R-1	August 2019

← Pampore

Pulwama →



CHINAR BAGH VILLAGE



CHINAR BAGH VILLAGE

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	---
PROPOSED CARRIAGEWAY	---
PROPOSED CENTER LINE	---
PROPOSED SHOULDER	---

LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
WATER TANK	0	0
WATER PIPE	0	0

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



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Unit 1203, 12th Floor, Tower 1, PS Srijan
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Sector v, Salt Lake Kolkata - 700091,
West Bengal
Ph: 033-40347200
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REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE : **Utility Relocation Plan**
(For Water Department)
(Ch. 2+000 to Ch. 3+000)

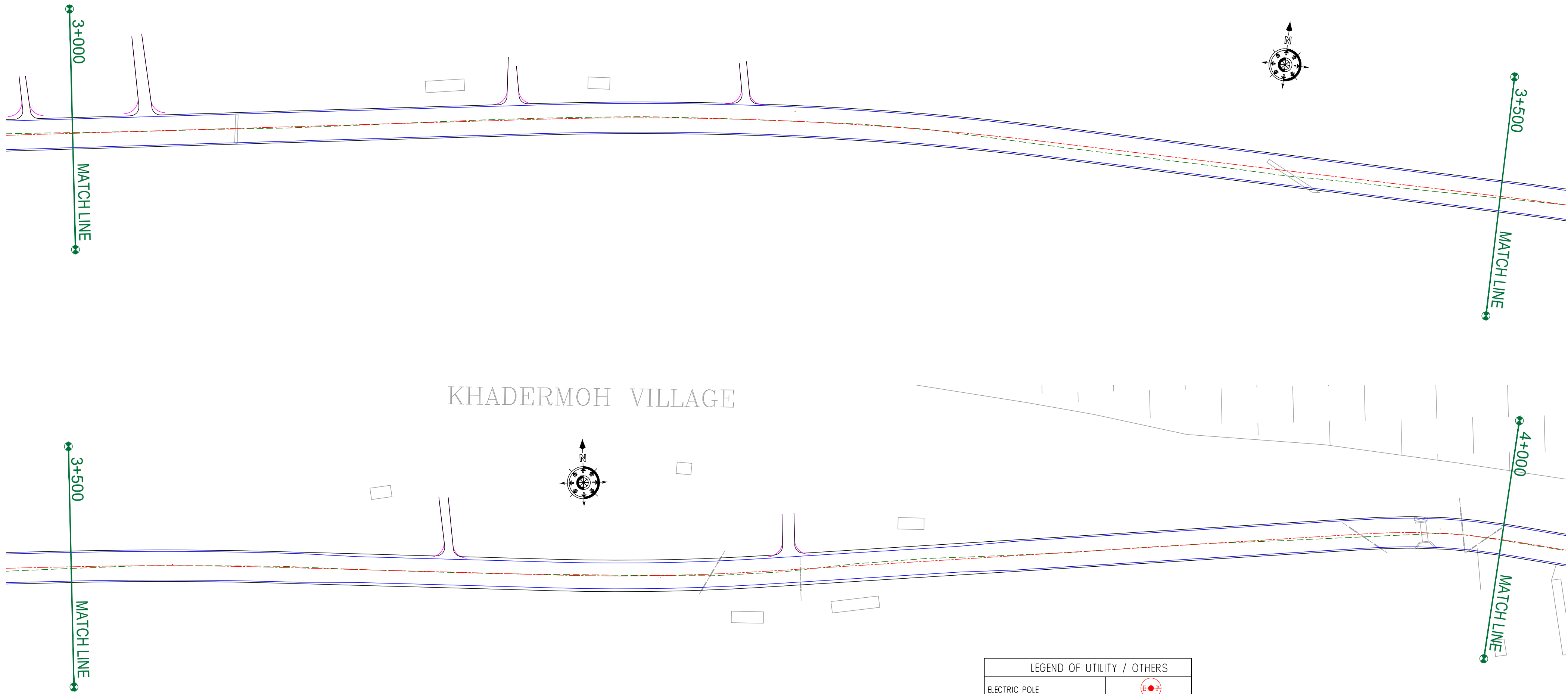
DRG. NO. : EPTISA/JTFRP/DPR/J&K/URP/03

REVISION : R-1

August 2019

← Pampore

Pulwama →



ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
WATER TANK	0	0
WATER PIPE	0	0

LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:

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Sector v, Salt Lake Kolkata - 700091,
West Bengal
Ph: 033-40347200
www.eptisa.com

REV.	DATE	DESCRIPTION
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DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE : 1:1000

TITLE :

Utility Relocation Plan
(For Water Department)
(Ch. 3+000 to Ch. 4+000)

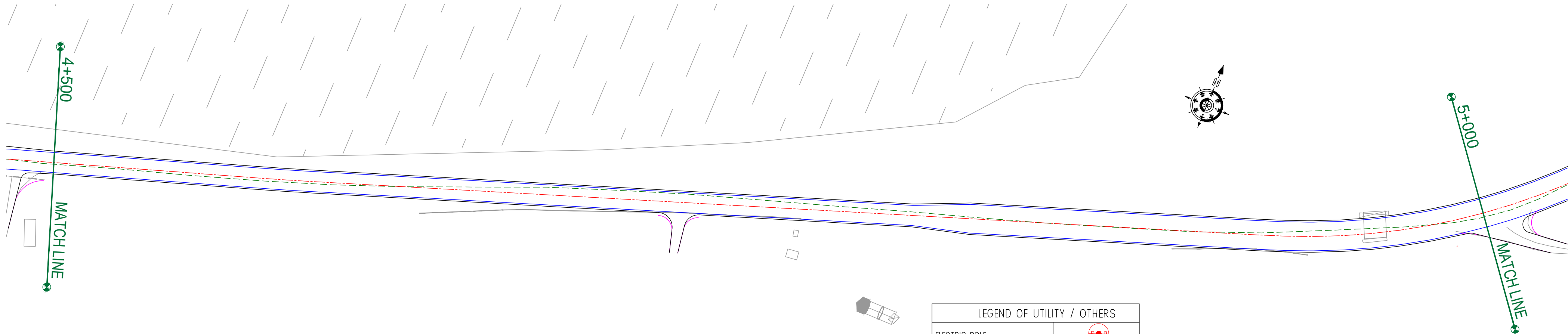
DRG. NO. : EPTISA/JTFRP/DPR/J&K/URP/04

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August 2019

← Pampore

Pulwama →



MARVAL VILLAGE

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
WATER TANK	0	0
WATER PIPE	0	0

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



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Corporate Park, Plot No. 2, Block EP & GP,
Sector v, Salt Lake Kolkata - 700091,
West Bengal
Ph: 033-40347200
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REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE : 1:1000

TITLE :

Utility Relocation Plan
(For Water Department)
(Ch. 4+000 to Ch. 5+000)

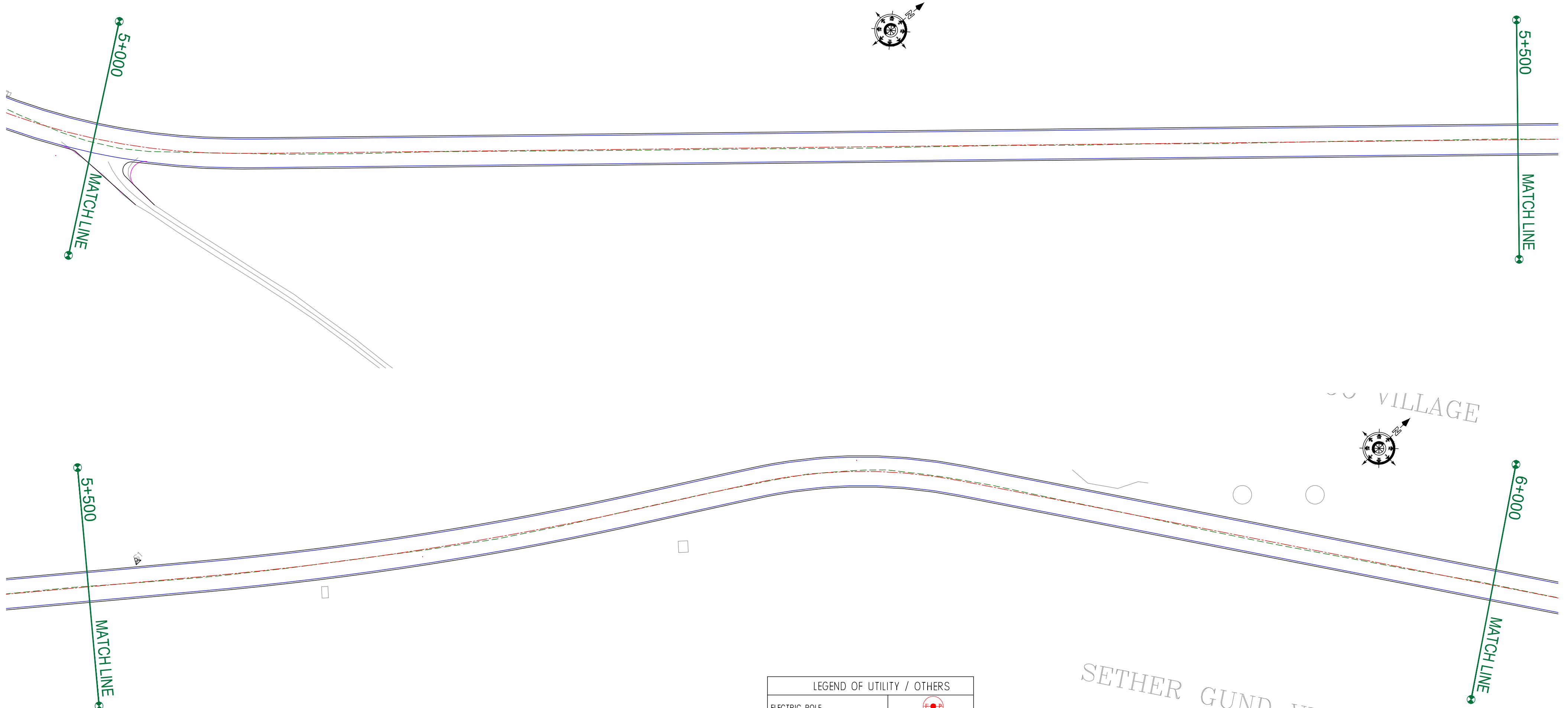
DRG. NO. : EPTISA/JTRFP/DPR/J&K/URP/05

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August 2019

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Pulwama →



ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
WATER TANK	0	0
WATER PIPE	0	0

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

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DESIGN CONSULTANT:



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Ph: 033-40347200
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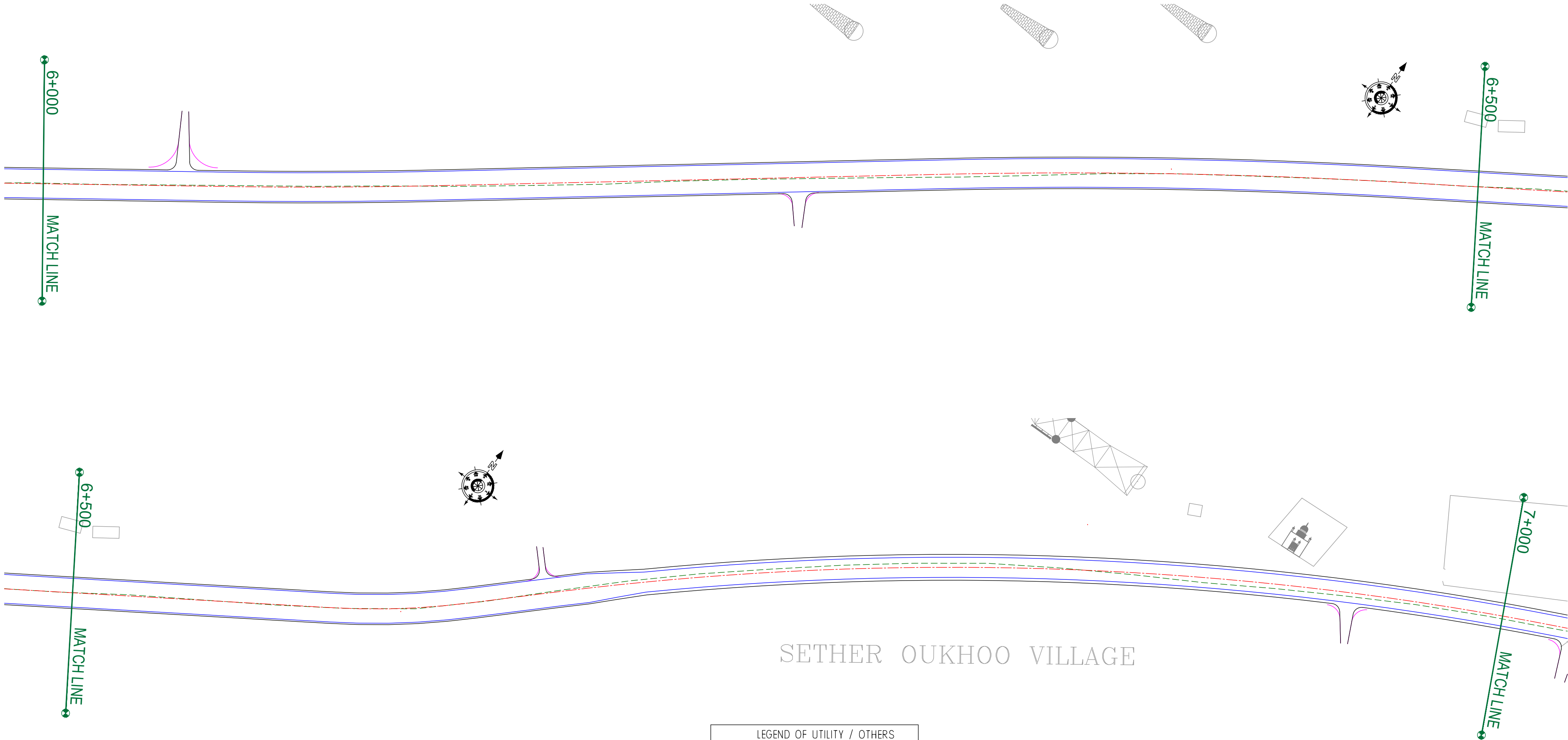
REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	Utility Relocation Plan (For Water Department) (Ch. 5+000 to Ch. 6+000)
DRG. NO. :	EPTISA/JTRFP/DPR/J&K/URP/06
REVISION : R-1	August 2019

← Pampore

Pulwama →



ROAD PARAMETER LEGEND	
EXT. CENTER LINE	---
PROPOSED CARRIAGEWAY	---
PROPOSED CENTER LINE	---
PROPOSED SHOULDER	---

LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	●
TRANSFORMER	○ TNS
LAMP POST	○ LP
WATER TANK	□
OFC	■
TELEPHONE POLE	● TP
WATER PIPE	---
EP BOX	■ EP BOX
HANDPUMP	■

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
WATER TANK	0	0
WATER PIPE	0	0

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



servicios de Ingenieria S.L.
Unit 1203, 12th Floor, Tower 1, PS Srijan
Corporate Park, Plot No. 2, Block EP & GP,
Sector v, Salt Lake Kolkata - 700091,
West Bengal
Ph: 033-40347200
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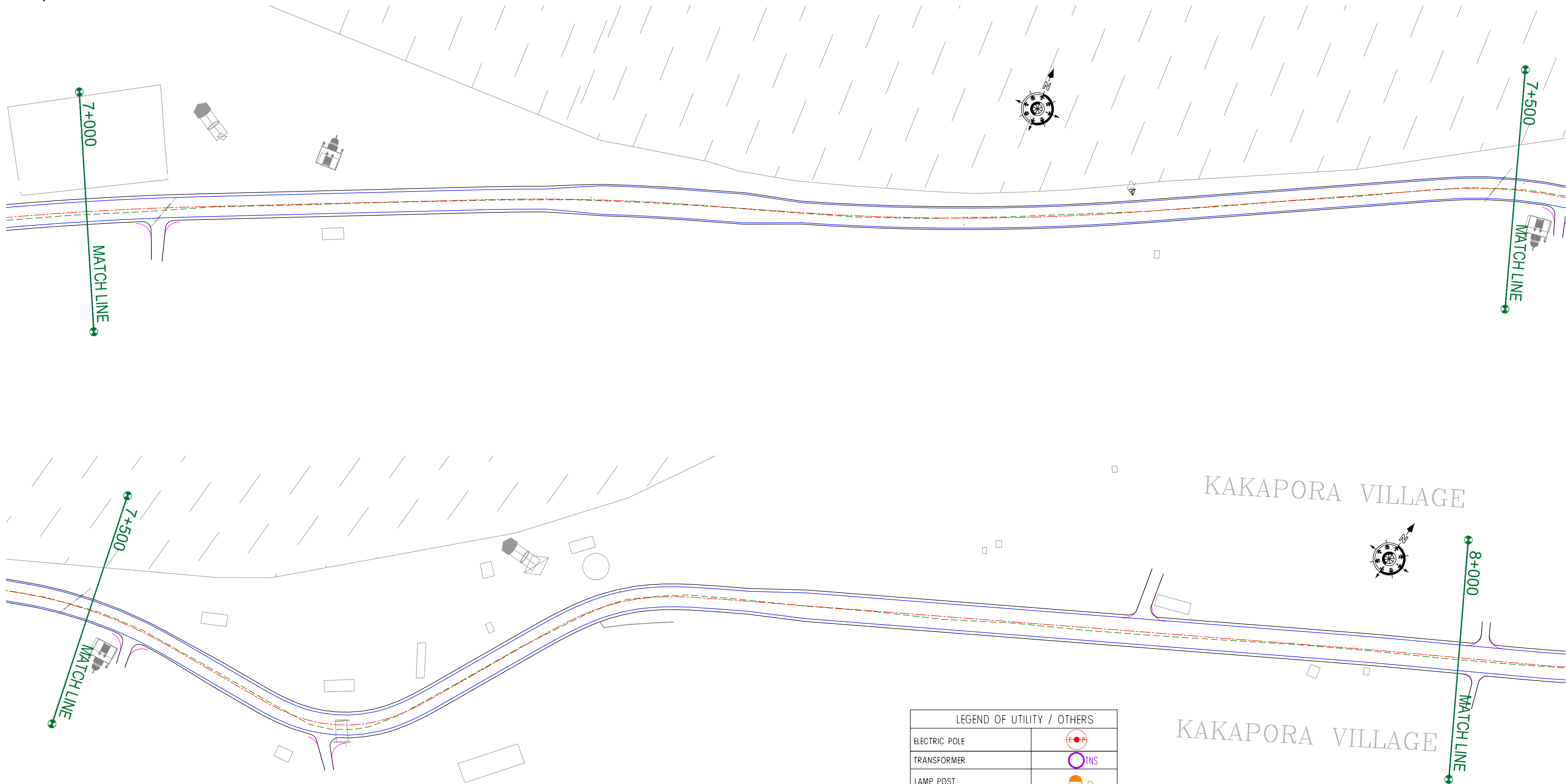
REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	Utility Relocation Plan (For Water Department) (Ch. 6+000 to Ch. 7+000)
DRG. NO. :	EPTISA/JTRFP/DPR/J&K/URP/07
REVISION : R-1	August 2019

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Pulwama →



ROAD PARAMETER LEGEND	
EXT. CENTER LINE	---
PROPOSED CARRIAGEWAY	---
PROPOSED CENTER LINE	---
PROPOSED SHOULDER	---

LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
WATER TANK	0	0
WATER PIPE	0	0

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



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Corporate Park, Plot No. 2, Block EP & GP,
Sector v, Salt Lake Kolkata - 700091,
West Bengal
Ph: 033-40347200
www.eptisa.com

REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE : 1:1000

TITLE :

Utility Relocation Plan
(For Water Department)
(Ch. 7+000 to Ch. 8+000)

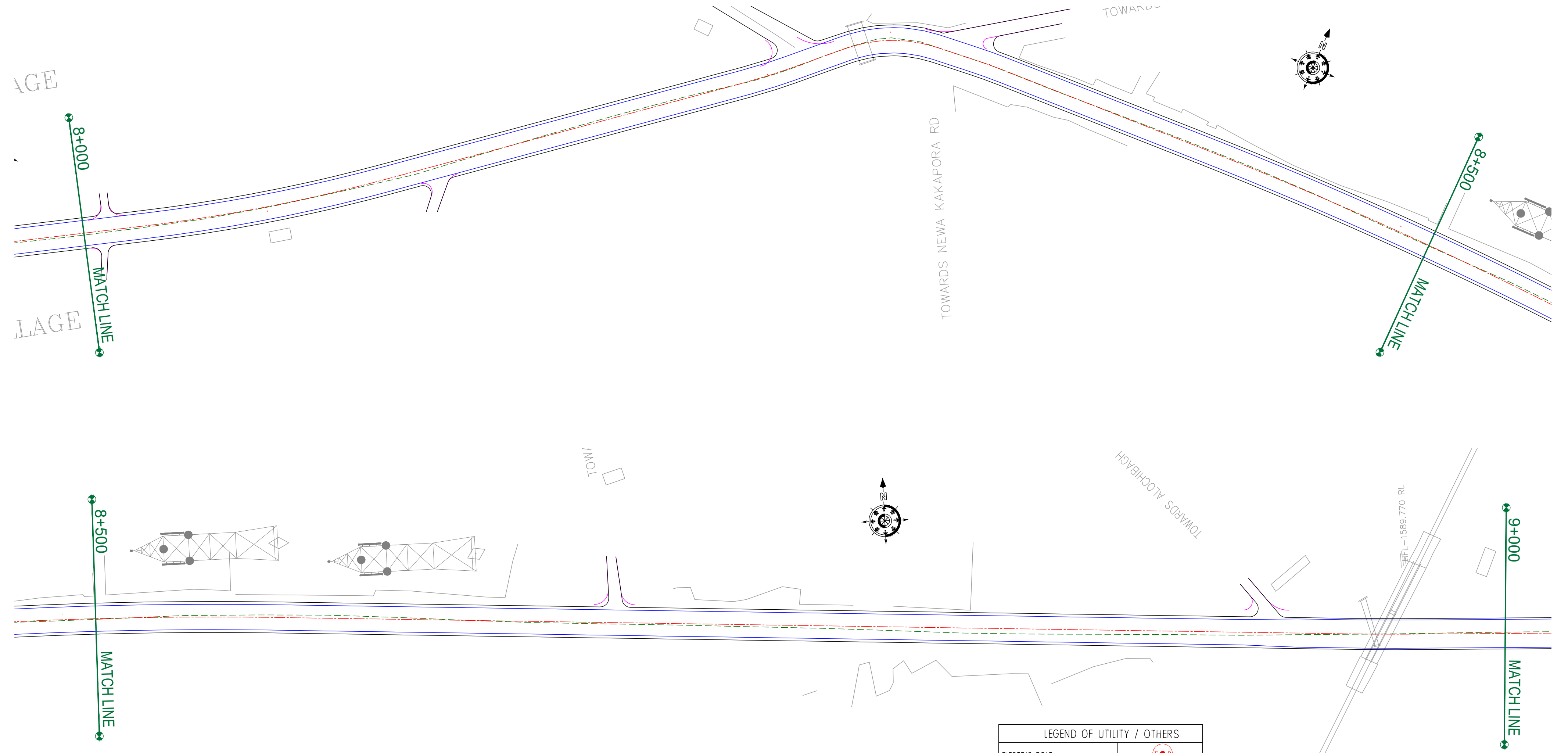
DRG. NO. : EPTISA/JTRFP/DPR/J&K/URP/08

REVISION : R-1

August 2019

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Pulwama →



ROAD PARAMETER LEGEND	
EXT. CENTER LINE	---
PROPOSED CARRIAGEWAY	---
PROPOSED CENTER LINE	---
PROPOSED SHOULDER	---

LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
WATER TANK	0	0
WATER PIPE	0	0

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



Servicios de Ingenieria S.L.
Unit 1203, 12th Floor, Tower 1, PS Srijan
Corporate Park, Plot No. 2, Block EP & GP,
Sector v, Salt Lake Kolkata - 700091,
West Bengal
Ph: 033-40347200
www.eptisa.com

REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE : **Utility Relocation Plan**
(For Water Department)
(Ch. 8+000 to Ch. 9+000)

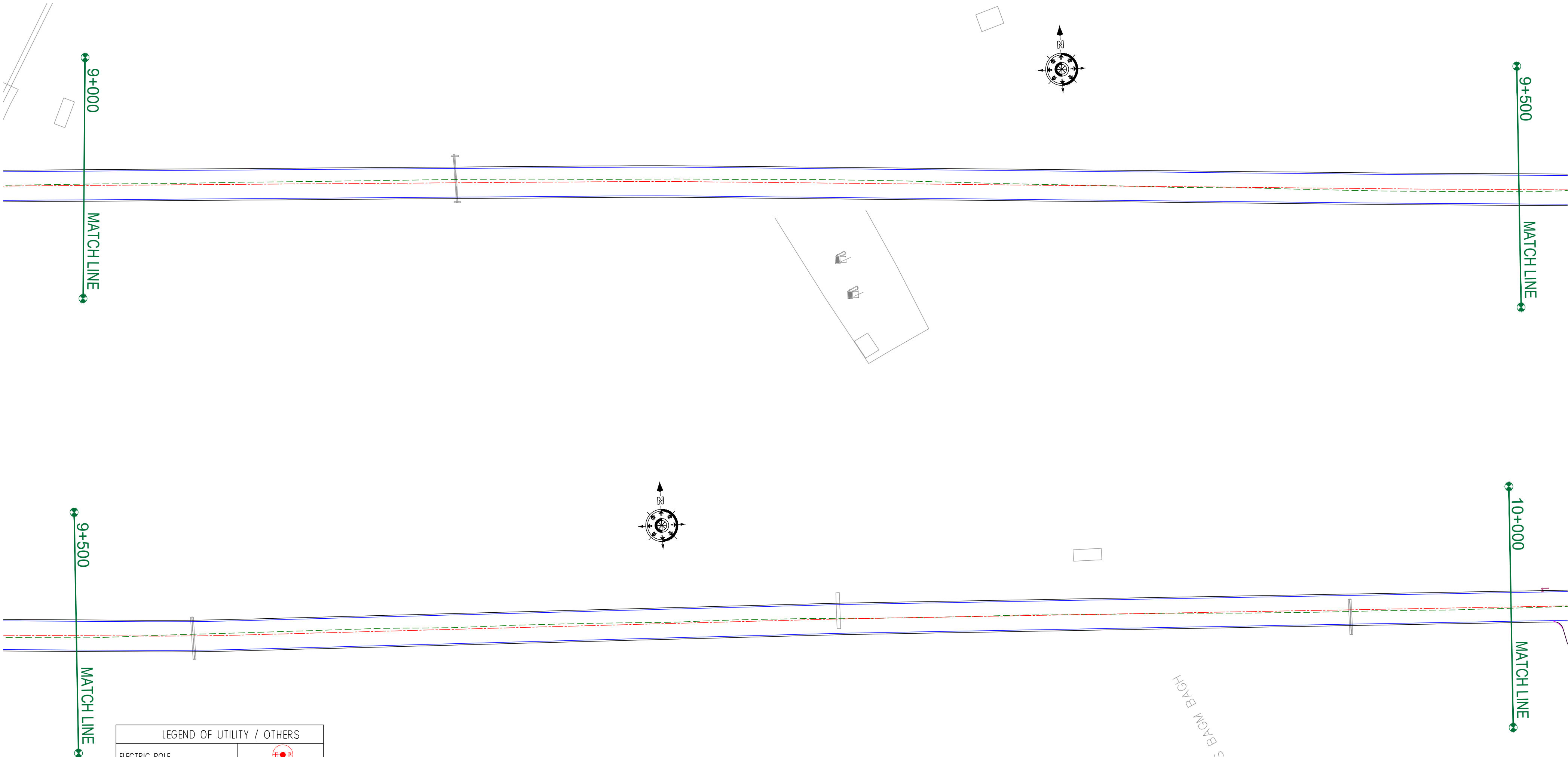
DRG. NO. : EPTISA/JTRFP/DPR/J&K/URP/09

REVISION : R-1

August 2019

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Pulwama →



CULTIVATE LAND

TOWARDS BAGM BAGH

LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
WATER TANK	0	0
WATER PIPE	0	0

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



Servicios de Ingenieria S.L.

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Corporate Park, Plot No. 2, Block EP & GP,
Sector v, Salt Lake Kolkata - 700091,
West Bengal
Ph: 033-40347200
www.eptisa.com

REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE : **Utility Relocation Plan**
(For Water Department)
(Ch. 9+000 to Ch. 10+000)

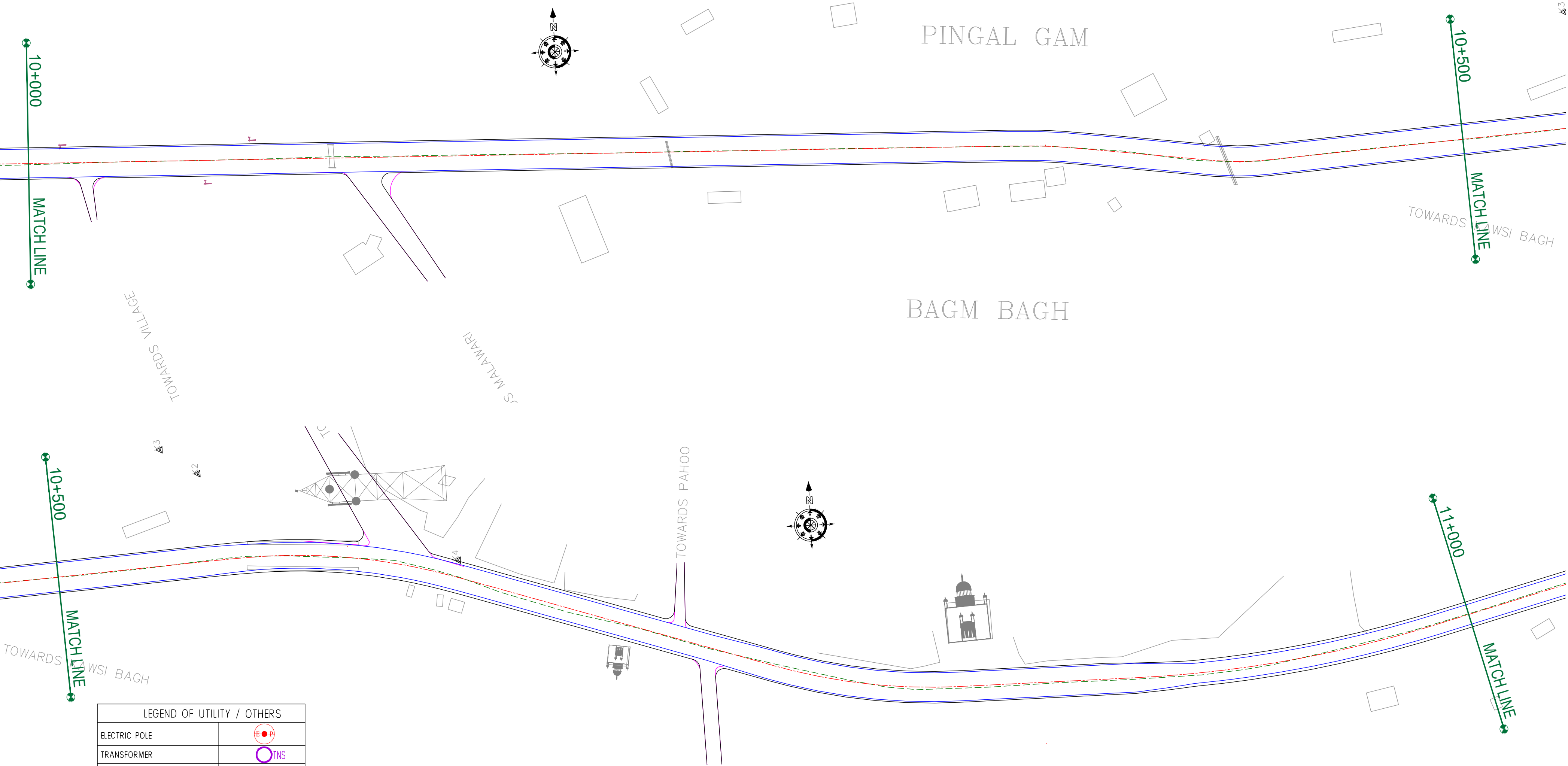
DRG. NO. : EPTISA/JTFRP/DPR/J&K/URP/10

REVISION : R-1

August 2019

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Pulwama →



LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
WATER TANK	0	0
WATER PIPE	0	0

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



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Sector v, Salt Lake Kolkata - 700091,
West Bengal
Ph: 033-40347200
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REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE : 1:1000

TITLE :

Utility Relocation Plan
(For Water Department)
(Ch. 10+000 to Ch. 11+000)

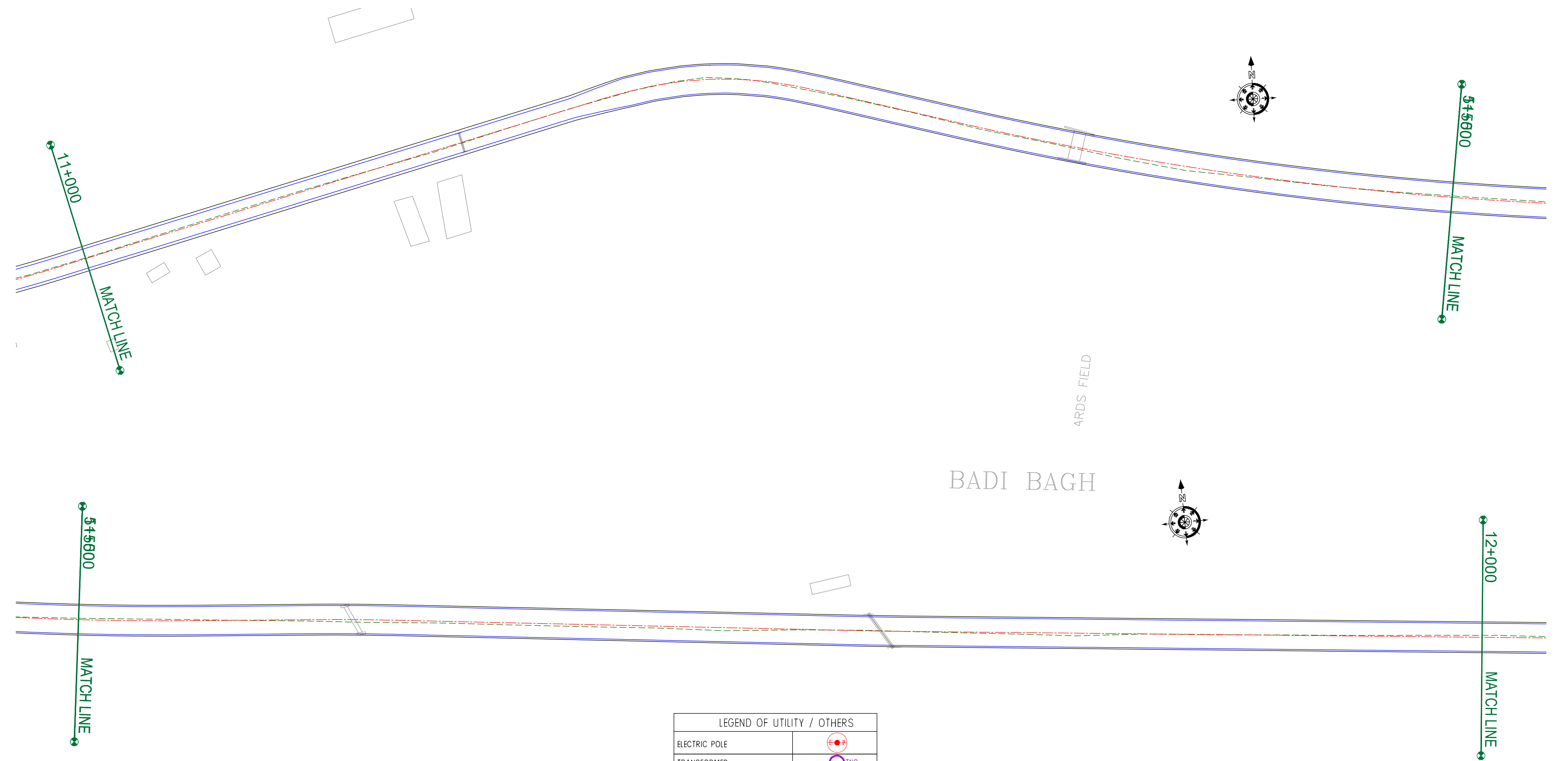
DRG. NO. : EPTISA/JTRP/DPR/J&K/URP/11

REVISION : R-1

August 2019

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Pulwama →



ROAD PARAMETER LEGEND	
EXT. CENTER LINE	<div></div>
PROPOSED CARRIAGEWAY	<div></div>
PROPOSED CENTER LINE	<div></div>
PROPOSED SHOULDER	<div></div>

LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	<div></div>
TRANSFORMER	<div>TNS</div>
LAMP POST	<div>LP</div>
WATER TANK	<div></div>
OFC	<div></div>
TELEPHONE POLE	<div>TP</div>
WATER PIPE	<div></div>
EP BOX	<div></div>
HANDPUMP	<div></div>

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
WATER TANK	0	0
WATER PIPE	0	0

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



Servicios de Ingenieria S.L.

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Sector v, Salt Lake Kolkata - 700091,
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REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE : **Utility Relocation Plan**
(For Water Department)
(Ch. 11+000 to Ch. 12+000)

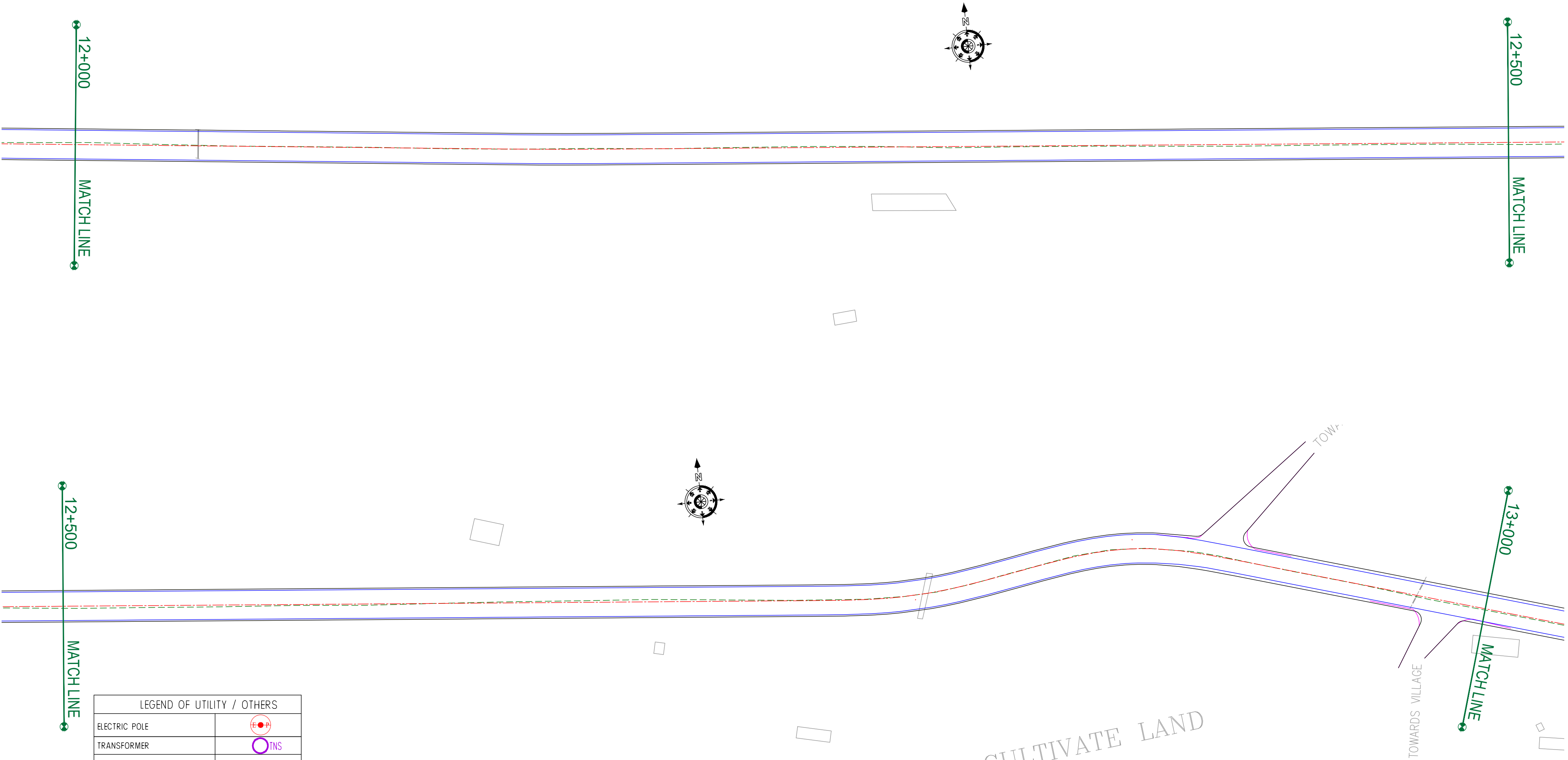
DRG. NO. : EPTISA/JTFRP/DPR/J&K/URP/12

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August 2019

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Pulwama →



LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
WATER TANK	0	0
WATER PIPE	0	0

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



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REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE : 1:1000

TITLE :

Utility Relocation Plan
(For Water Department)
(Ch. 12+000 to Ch. 13+000)

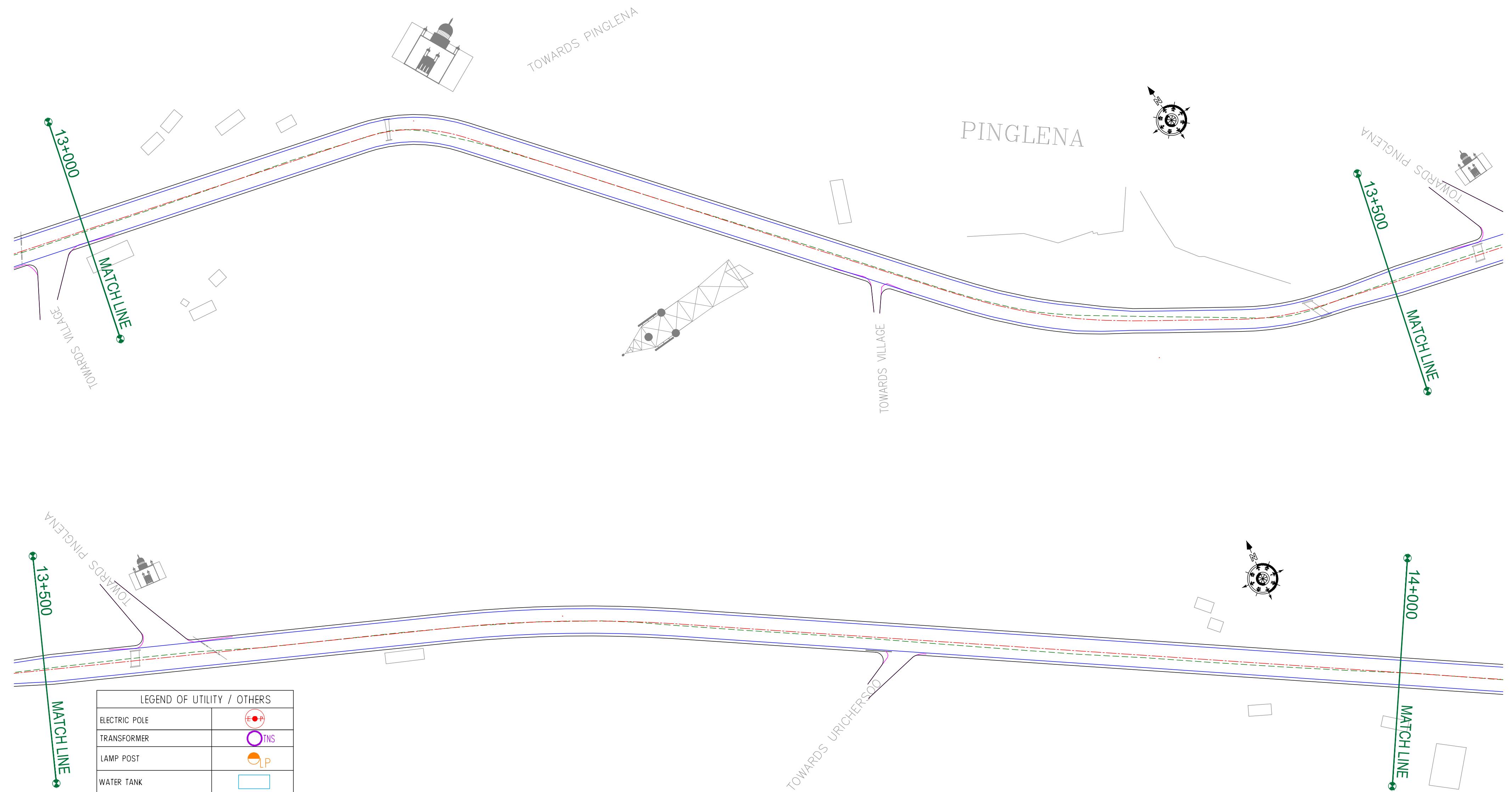
DRG. NO. : EPTISA/JTFRP/DPR/J&K/URP/13

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August 2019

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Pulwama →



LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
WATER TANK	0	0
WATER PIPE	0	0

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



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Sector v, Salt Lake Kolkata - 700091,
West Bengal
Ph: 033-40347200
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REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE : **Utility Relocation Plan**
(For Water Department)
(Ch. 13+000 to Ch. 14+000)

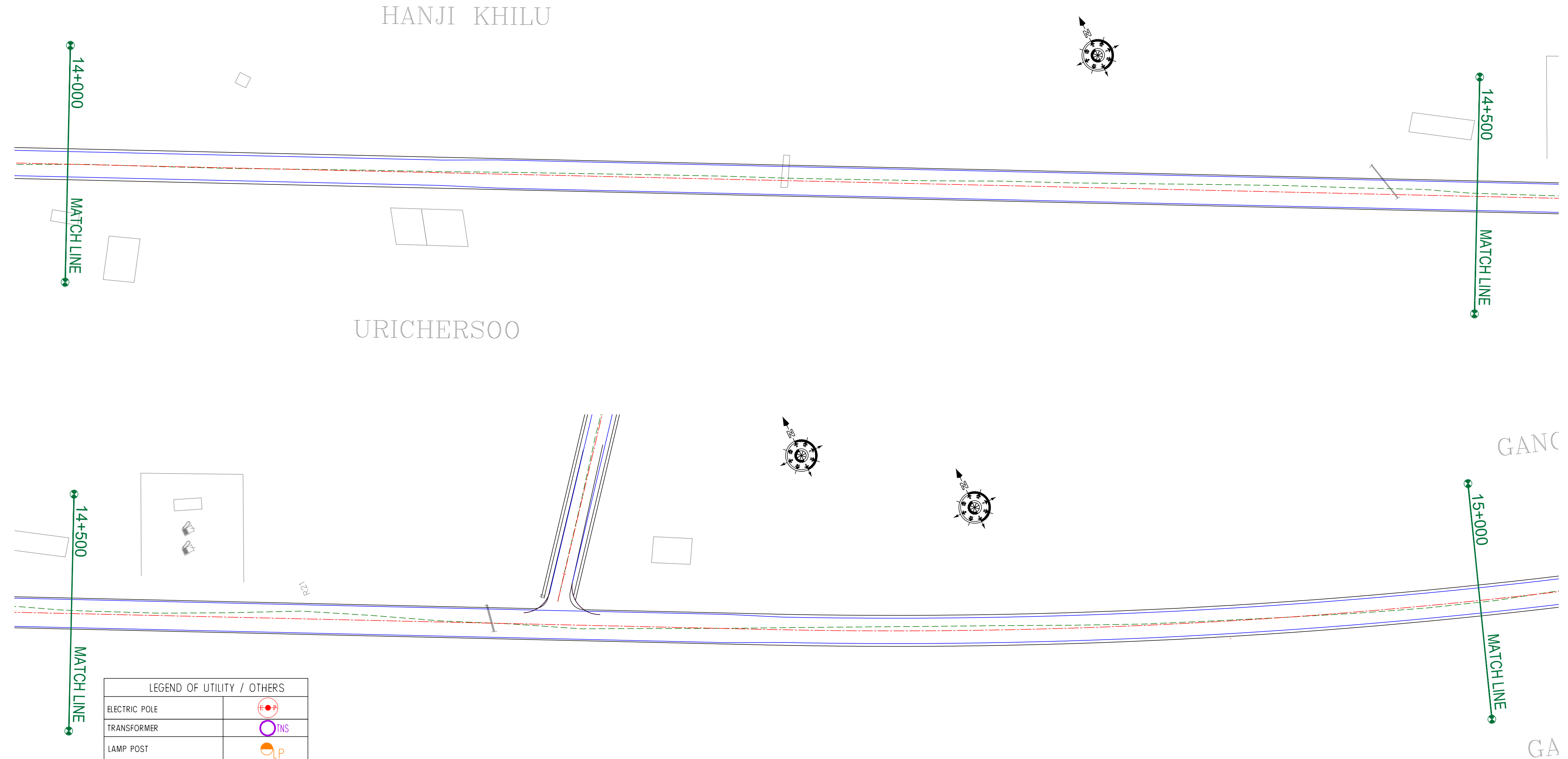
DRG. NO. : EPTISA/JTRP/DPR/J&K/URP/14

REVISION : R-1

August 2019

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Pulwama →



LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
WATER TANK	0	0
WATER PIPE	0	0

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



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Sector v, Salt Lake Kolkata - 700091,
West Bengal
Ph: 033-40347200
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REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE : **Utility Relocation Plan**
(For Water Department)
(Ch. 14+000 to Ch. 15+000)

DRG. NO. : EPTISA/JTRFP/DPR/J&K/URP/15

REVISION : R-1

August 2019

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Pulwama →



LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
WATER TANK	0	0
WATER PIPE	0	0

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



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Sector v, Salt Lake Kolkata - 700091,
West Bengal
Ph: 033-40347200
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REV.	DATE	DESCRIPTION
------	------	-------------

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :

Utility Relocation Plan
(For Water Department)
(Ch. 15+000 to Ch. 16+000)

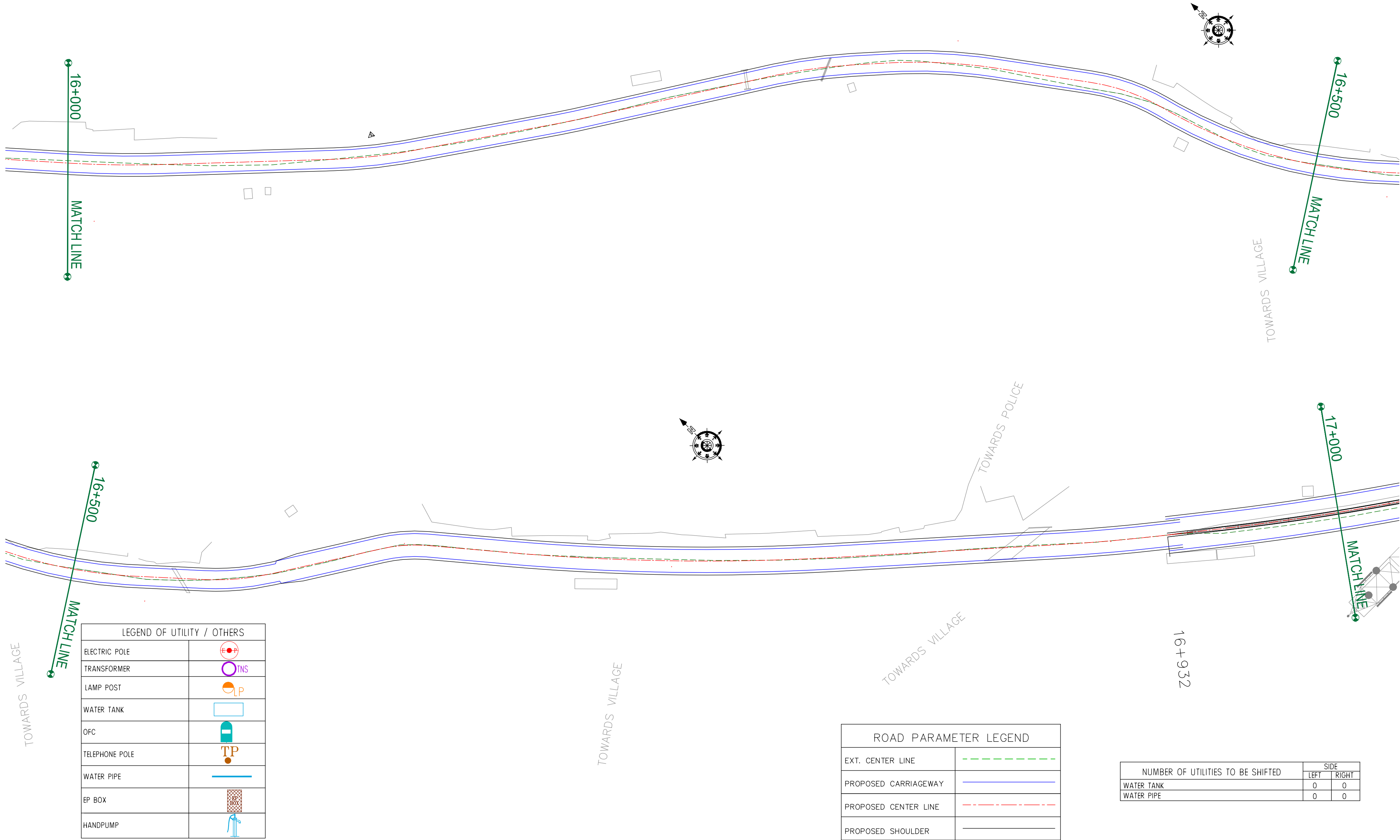
DRG. NO. : EPTISA/JTRFP/DPR/J&K/URP/16

REVISION : R-1

August 2019

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Pulwama →



LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
WATER TANK	0	0
WATER PIPE	0	0

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



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Corporate Park, Plot No. 2, Block EP & GP,
Sector v, Salt Lake Kolkata - 700091,
West Bengal
Ph: 033-40347200
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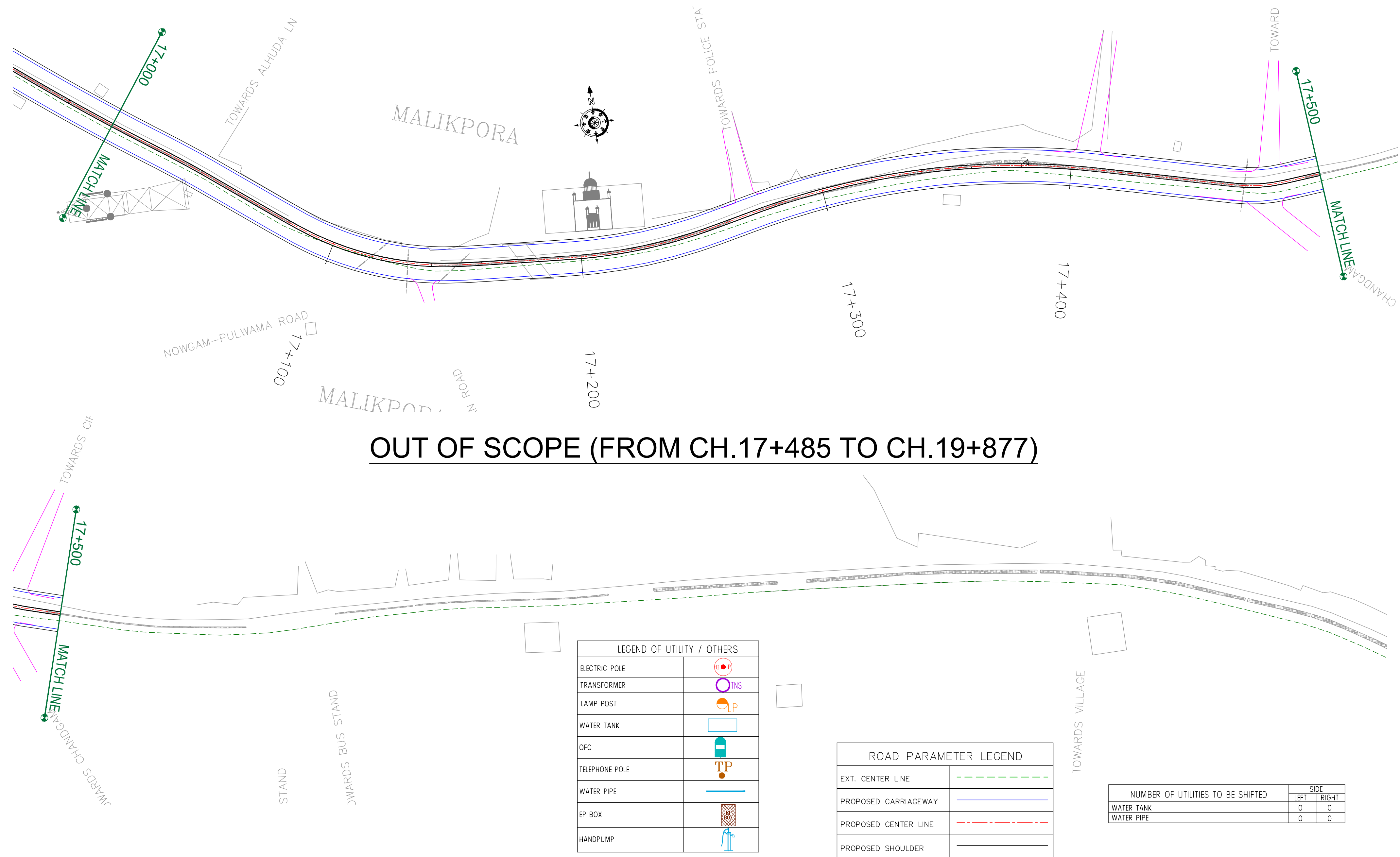
REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	Utility Relocation Plan (For Water Department) (Ch. 16+000 to Ch. 17+000)
DRG. NO. :	EPTISA/JTRFP/DPR/J&K/URP/17
REVISION : R-1	August 2019

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Pulwama →



OUT OF SCOPE (FROM CH.17+485 TO CH.19+877)

LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
WATER TANK	0	0
WATER PIPE	0	0

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



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West Bengal
Ph: 033-40347200
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REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

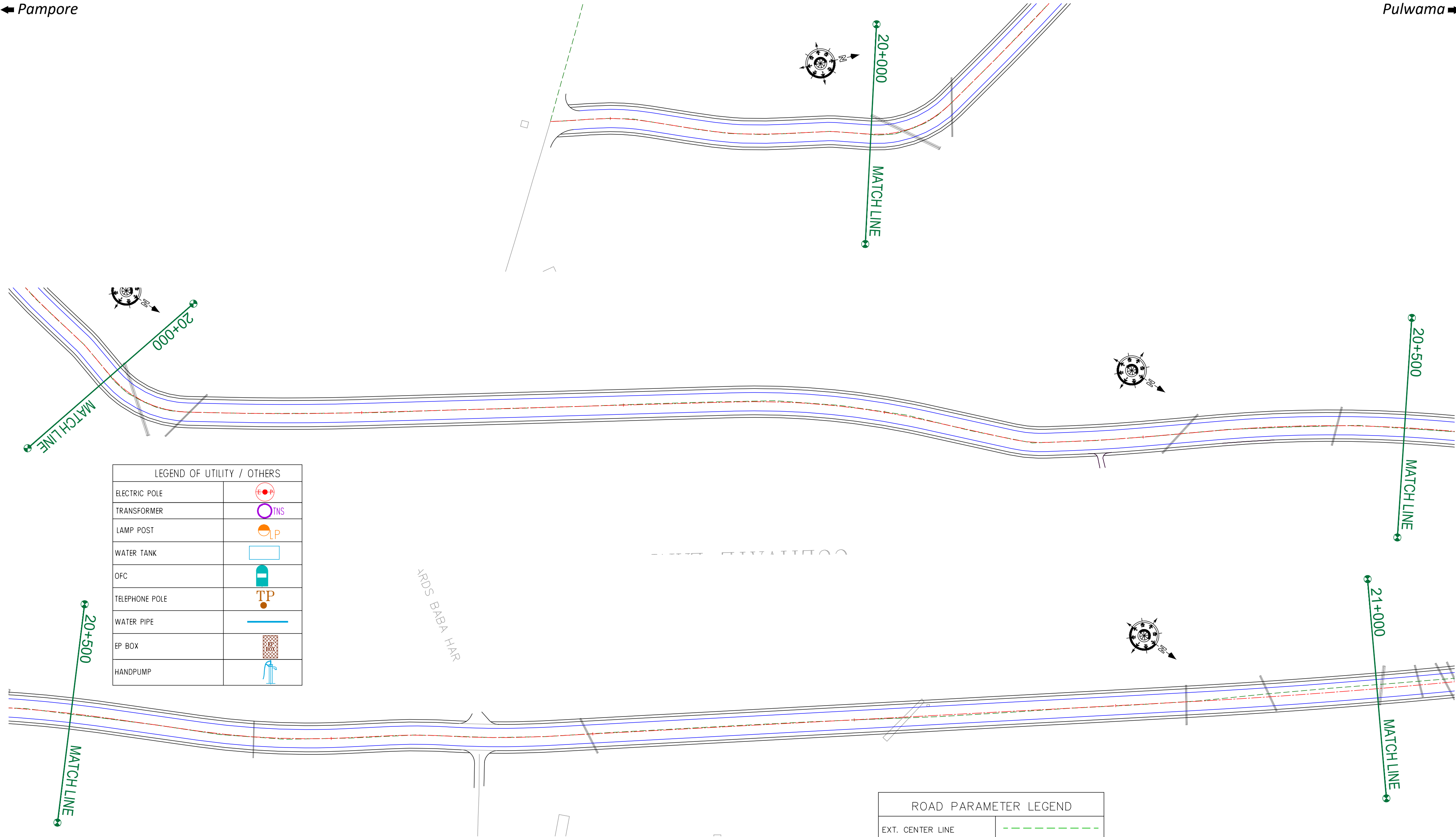
TITLE : **Utility Relocation Plan**
(For Water Department)
(Ch. 17+000 to Ch. 17+500)

DRG. NO. : EPTISA/JTRFP/DPR/J&K/URP/18

REVISION : R-1 August 2019

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Pulwama →



LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
WATER TANK	0	0
WATER PIPE	0	0

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



Servicios de Ingenieria S.L.
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Sector v, Salt Lake Kolkata - 700091,
West Bengal
Ph: 033-40347200
www.eptisa.com

REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE : **Utility Relocation Plan**
(For Water Department)
(Ch. 19+877 to Ch. 21+000)

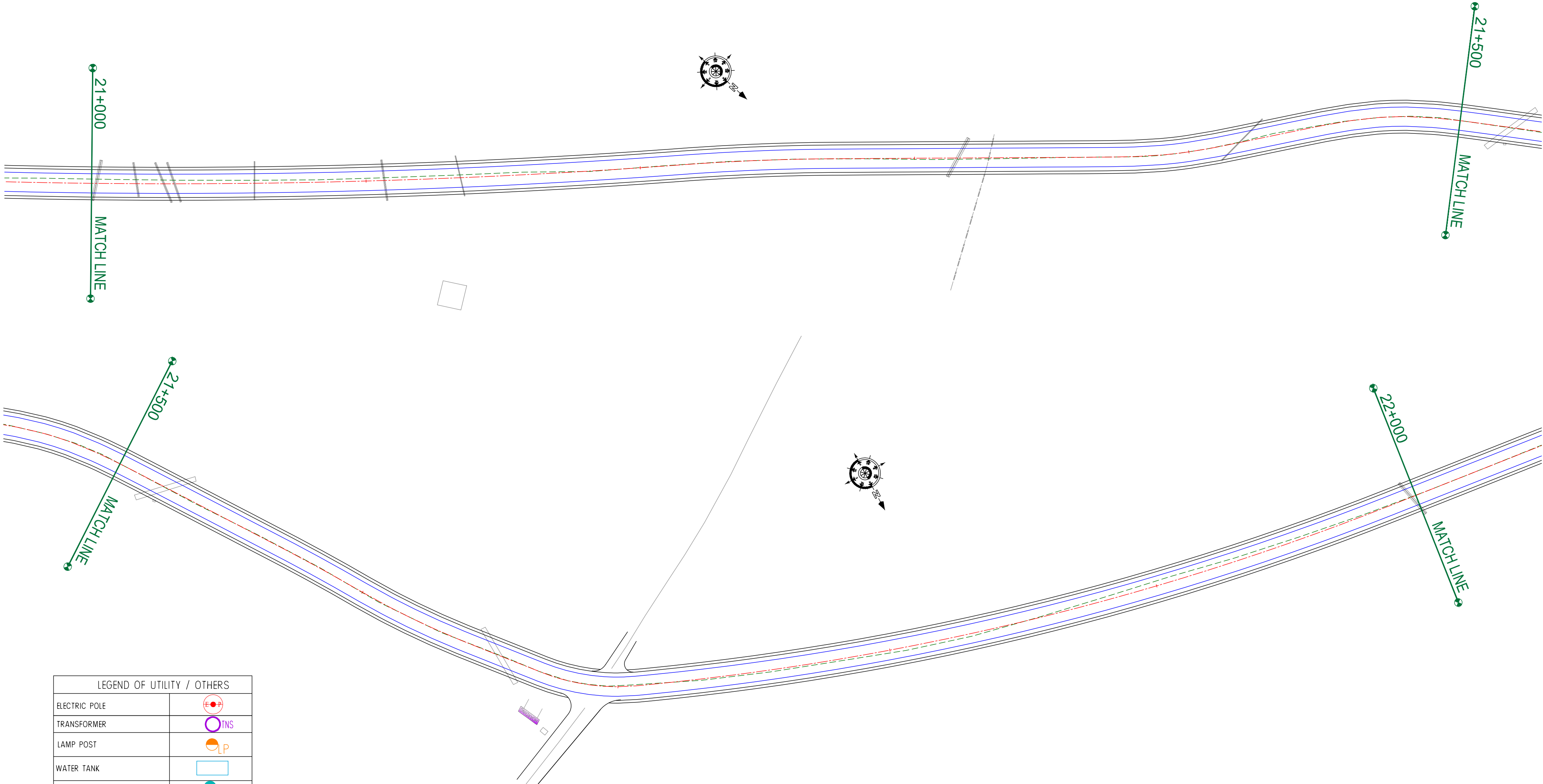
DRG. NO. : EPTISA/JTRP/DPR/J&K/URP/19

REVISION : R-1

August 2019

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Pulwama →



LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
WATER TANK	0	0
WATER PIPE	0	0

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
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DESIGN CONSULTANT:



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West Bengal
Ph: 033-40347200
www.eptisa.com

REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE : **Utility Relocation Plan**
(For Water Department)
(Ch. 21+000 to Ch. 22+000)

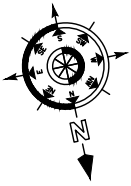
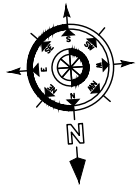
DRG. NO. : EPTISA/JTRFP/DPR/J&K/URP/20

REVISION : R-1

August 2019

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Pulwama →



ROAD PARAMETER LEGEND	
EXT. CENTER LINE	---
PROPOSED CARRIAGEWAY	---
PROPOSED CENTER LINE	---
PROPOSED SHOULDER	---

LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

22+500
MATCH LINE

23+000
MATCH LINE

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
WATER TANK	0	0
WATER PIPE	0	0

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



Servicios de Ingenieria S.L.

Unit 1203, 12th Floor, Tower 1, PS Srijan
Corporate Park, Plot No. 2, Block EP & GP,
Sector v, Salt Lake Kolkata - 700091,
West Bengal
Ph: 033-40347200
www.eptisa.com

REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE : **Utility Relocation Plan**
(For Water Department)
(Ch. 22+000 to Ch. 23+000)

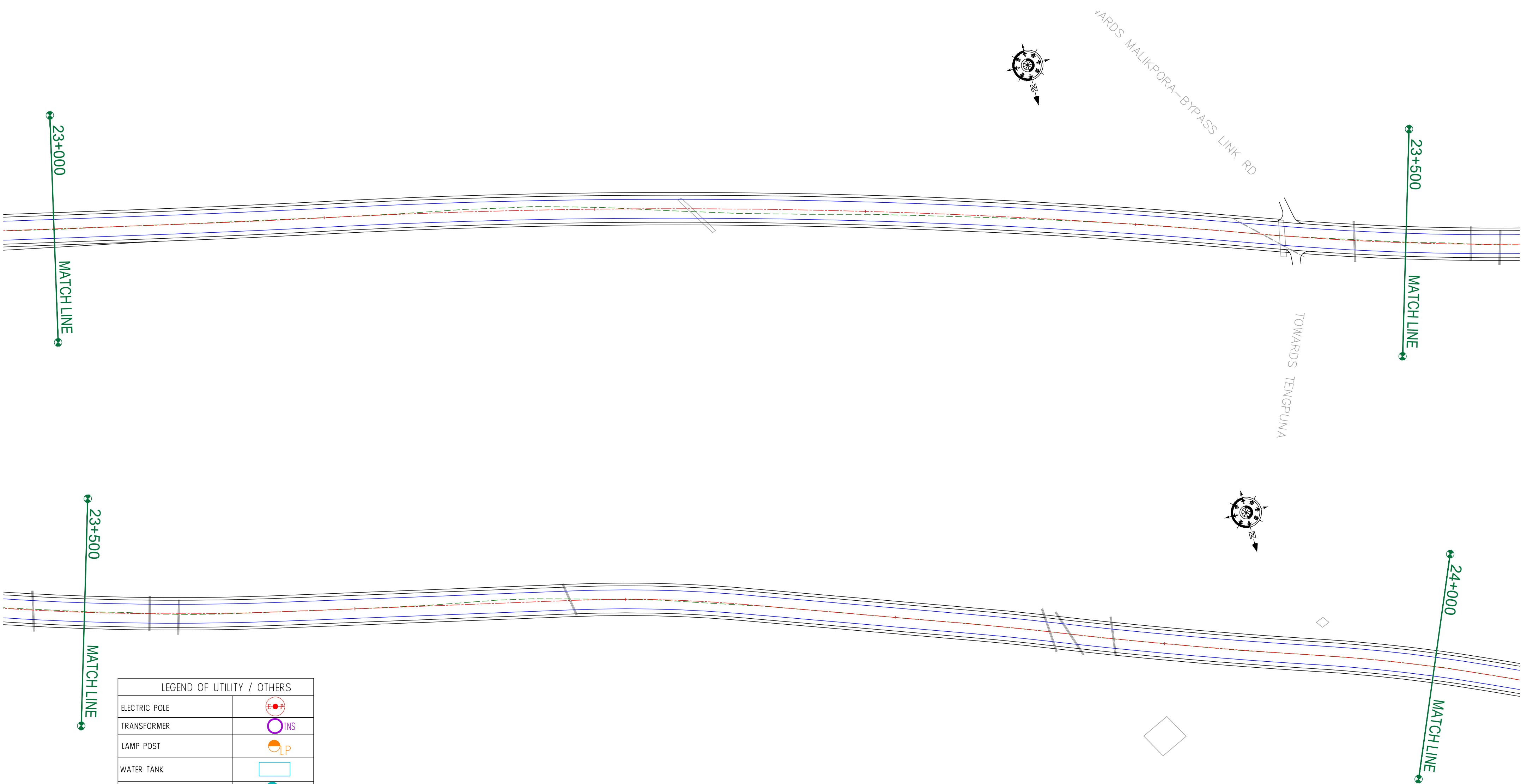
DRG. NO. : EPTISA/JTRFP/DPR/J&K/URP/21

REVISION : R-1

August 2019

← Pampore

Pulwama →



LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
WATER TANK	0	0
WATER PIPE	0	0

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
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DESIGN CONSULTANT:



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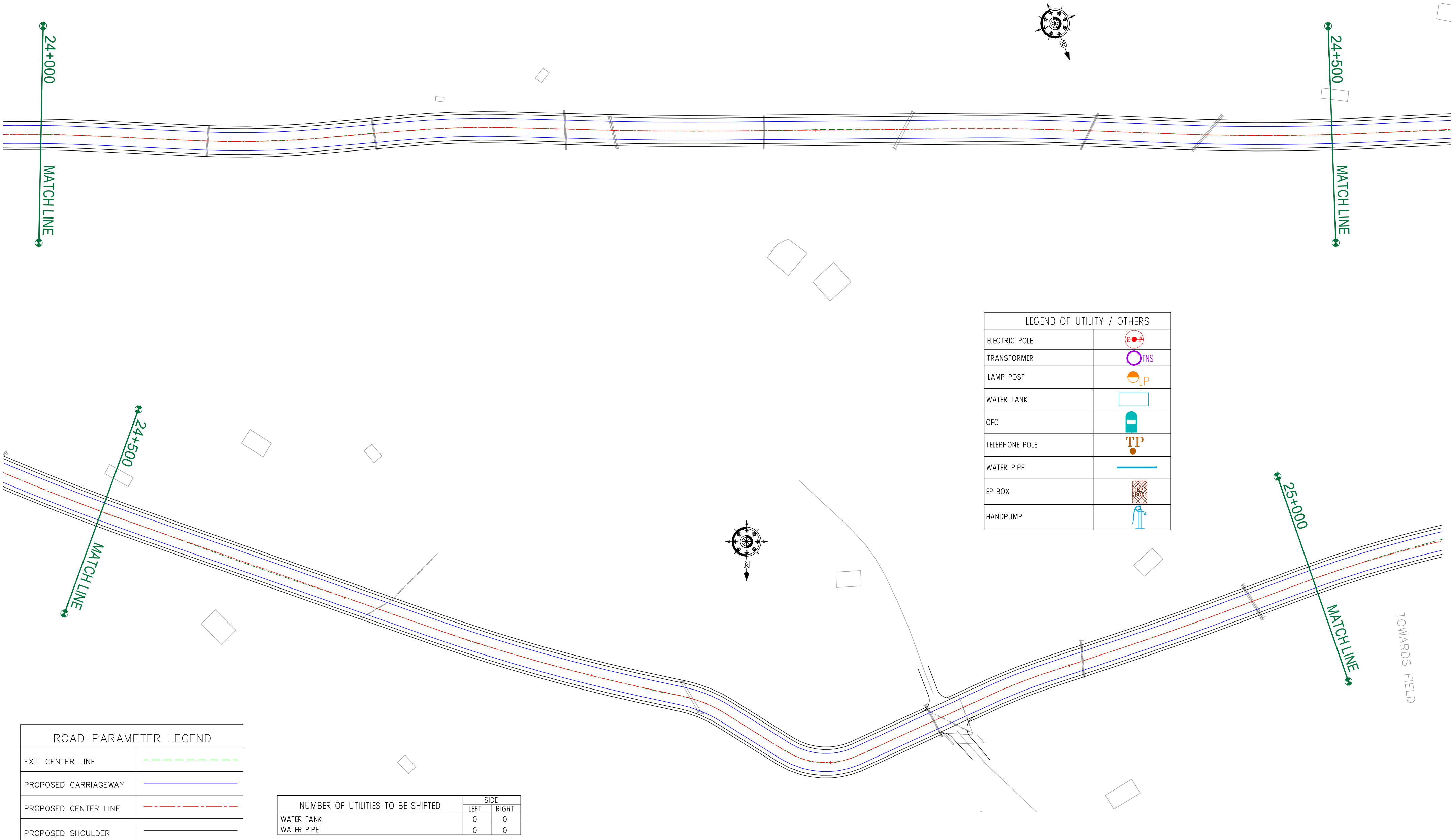
REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	Utility Relocation Plan (For Water Department) (Ch. 23+000 to Ch. 24+000)
DRG. NO. :	EPTISA/JTRFP/DPR/J&K/URP/22
REVISION : R-1	August 2019

← Pampore

Pulwama →



LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
WATER TANK	0	0
WATER PIPE	0	0

CLIENT :



Jhelum & Tawi
FLOOD RECOVERY PROJECT

Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:

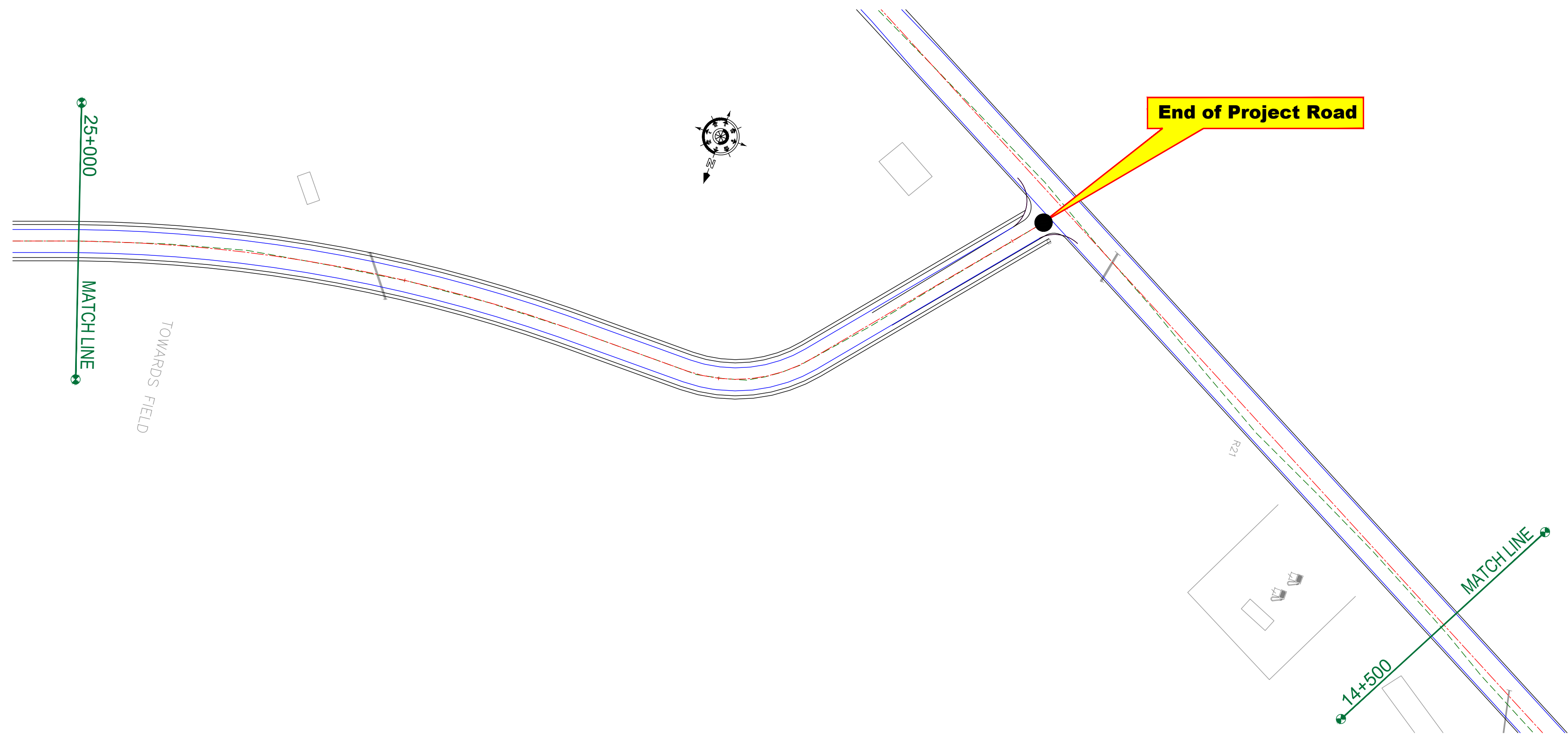


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Sector v, Salt Lake Kolkata - 700091,
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REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	Utility Relocation Plan (For Water Department) (Ch. 24+000 to Ch. 25+000)
DRG. NO. :	EPTISA/JTRFP/DPR/J&K/URP/23
REVISION : R-1	August 2019



LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
WATER TANK	0	0
WATER PIPE	0	0

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:

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West Bengal
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REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE : **Utility Relocation Plan**
(For Water Department)
(Ch. 25+000 to Ch. 25+310)

DRG. NO. : EPTISA/JTFRP/DPR/J&K/URP/24

REVISION : R-1

August 2019

≡ UTILITY RELOCATION PLAN FOR LINK ROAD (ELECTRICITY DEPARTMENT) ≡

← Pampore

Pulwama →

Start of Link Road

0+500

MATCH LINE

LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

0+500

MATCH LINE

1+000

MATCH LINE

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
ELECTRIC POLE (EP)	14	12
TRANSFORMER (TNS)	02	00
LAMP POST (LP)	00	00
EP BOX	00	00

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:

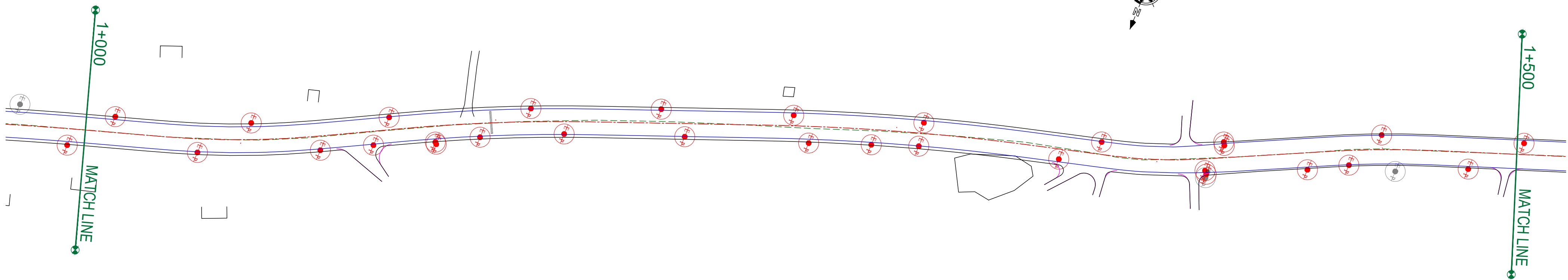


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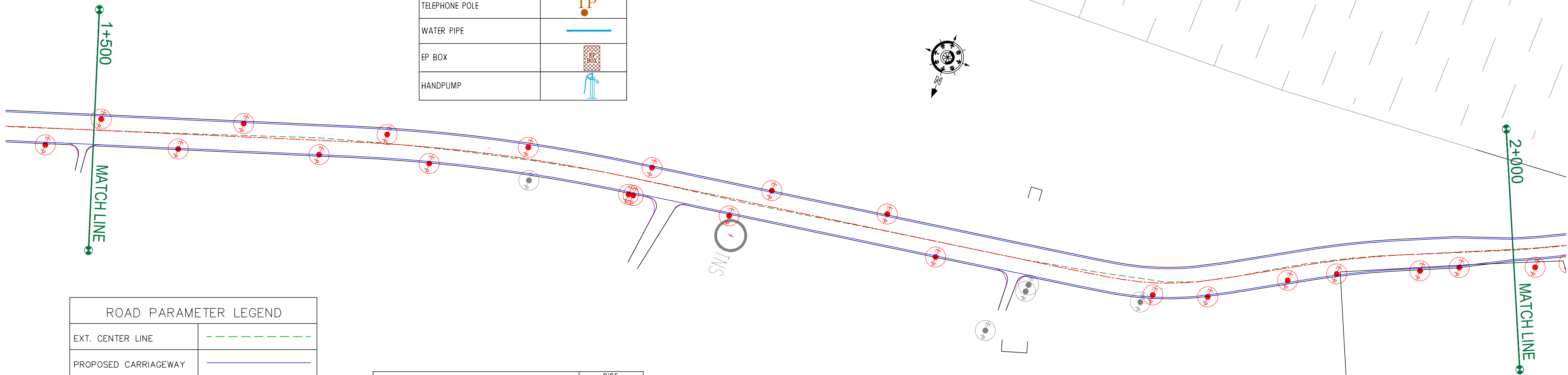
REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE : Utility Relocation Plan (Link Road) (For Electricity Department) (Ch. 0+000 to Ch. 1+000)
DRG. NO. : EPTISA/JTFRP/DPR/J&K/URP/LINK ROAD/01
REVISION : R-1
August 2019



LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	



ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
ELECTRIC POLE (EP)	18	30
TRANSFORMER (TNS)	00	00
LAMP POST (LP)	00	00
EP BOX	00	00

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
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DESIGN CONSULTANT:



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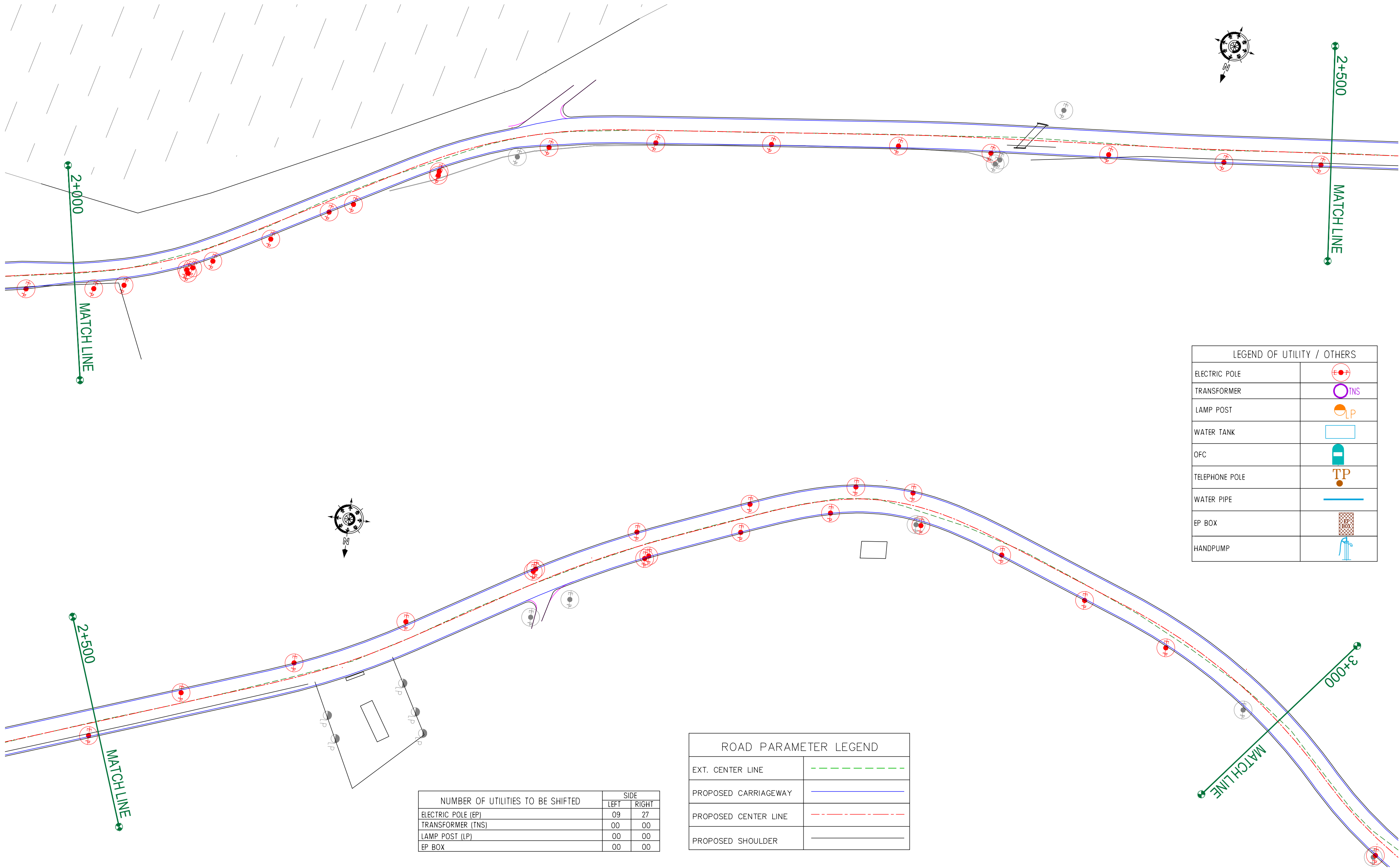
REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE : Utility Relocation Plan (Link Road) (For Electricity Department) (Ch. 1+000 to Ch. 2+000)	
DRG. NO. : EPTISA/JTFRP/DPR/J&K/URP/LINK ROAD/02	
REVISION : R-1	August 2019

← Pampore

Pulwama →



CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



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REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE : 1:1000

TITLE : Utility Relocation Plan (Link Road)
(For Electricity Department)
(Ch. 2+000 to Ch. 3+000)

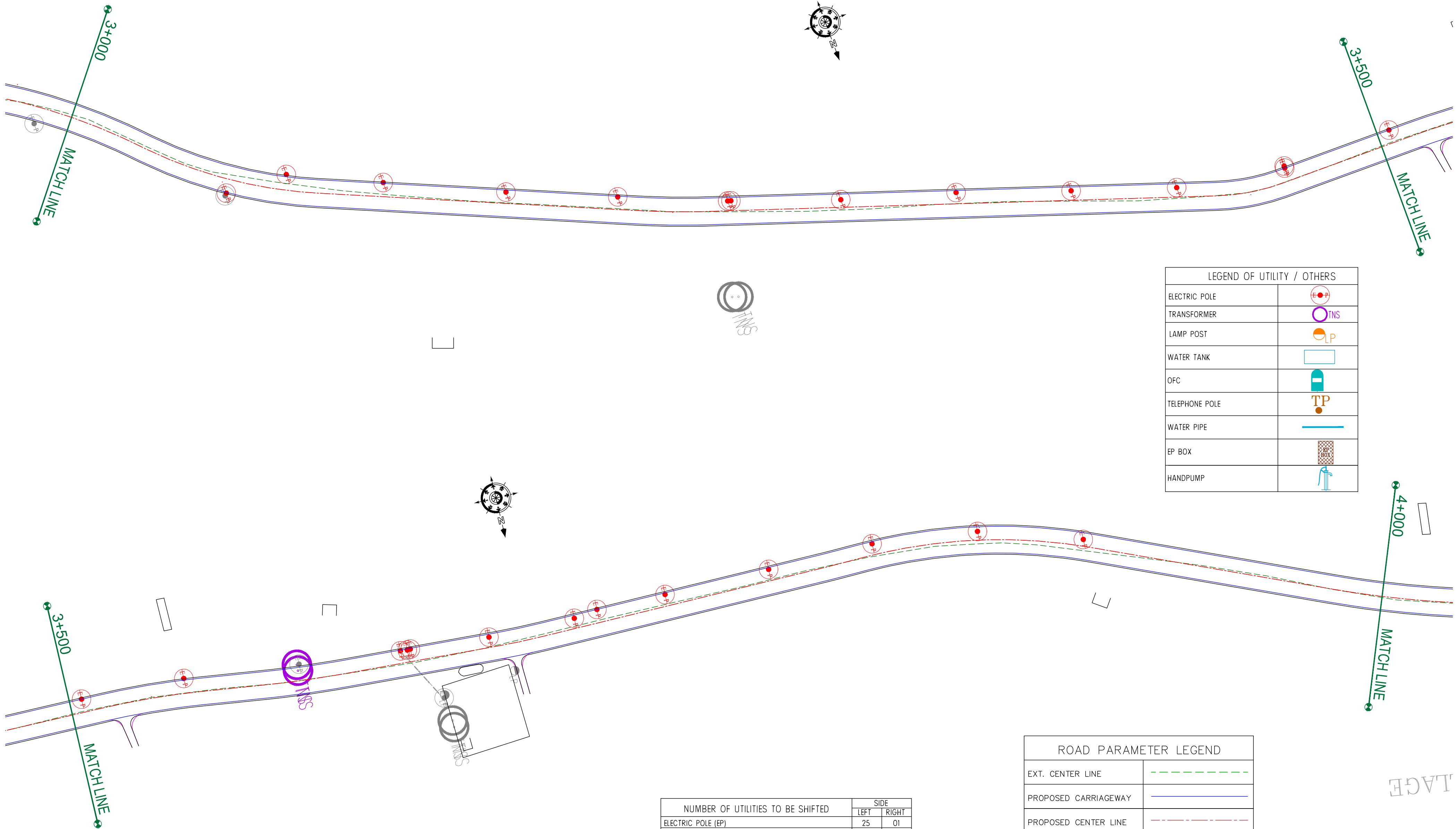
DRG. NO. : EPTISA/JTRP/DPR/J&K/URP/LINK ROAD/03

REVISION : R-1

August 2019

← Pampore

Pulwama →



LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
ELECTRIC POLE (EP)	25	01
TRANSFORMER (TNS)	02	00
LAMP POST (LP)	00	00
EP BOX	00	00

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
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(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



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Sector v, Salt Lake Kolkata - 700091,
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REV.	DATE	DESCRIPTION
------	------	-------------

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

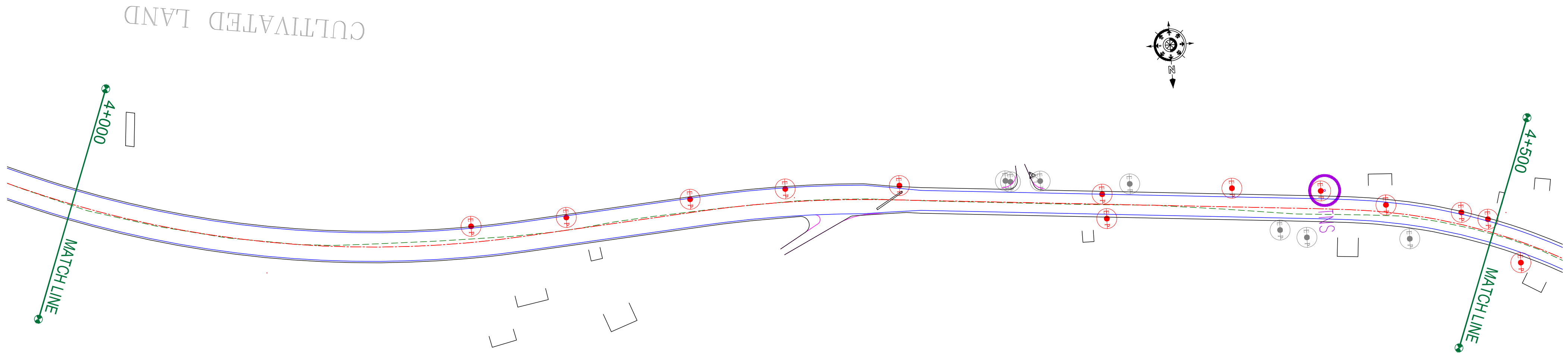
TITLE : Utility Relocation Plan (Link Road)
(For Electricity Department)
(Ch. 3+000 to Ch. 4+000)

DRG. NO. : EPTISA/JTFRP/DPR/J&K/URP/LINK ROAD/04

REVISION : R-1 August 2019

← Pampore

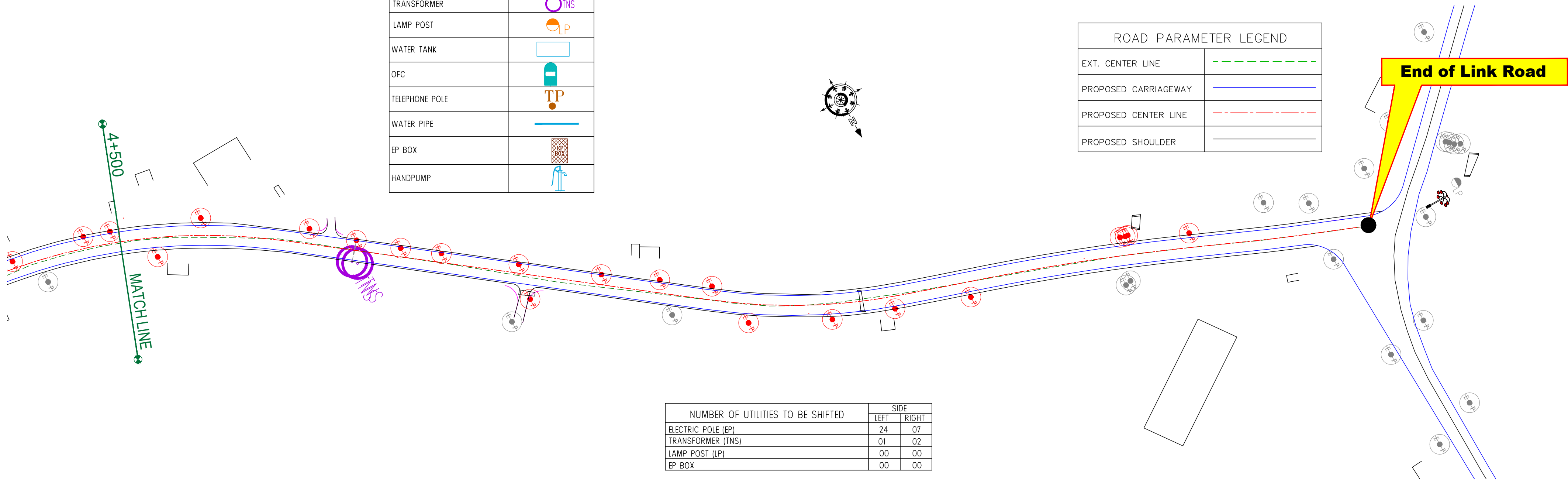
Pulwama →



PATAL BAG VILLAGE

LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	



NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
ELECTRIC POLE (EP)	24	07
TRANSFORMER (TNS)	01	02
LAMP POST (LP)	00	00
EP BOX	00	00

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



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Unit 1203, 12th Floor, Tower 1, PS Srijan
Corporate Park, Plot No. 2, Block EP & GP,
Sector v, Salt Lake Kolkata - 700091,
West Bengal
Ph: 033-40347200
www.eptisa.com

REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE : Utility Relocation Plan (Link Road)
(For Electricity Department)
(Ch. 4+000 to Ch. 5+000)

DRG. NO. : EPTISAJTFRP/DPR/J&K/URP/LINK ROAD/05

REVISION : R-1

August 2019

≡ UTILITY RELOCATION PLAN FOR LINK ROAD (TELEPHONE DEPARTMENT) ≡

← Pampore

Pulwama →

Start of Link Road

0+500

MATCH LINE

0+500

MATCH LINE

1+000

MATCH LINE

LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
TELEPHONE POLE (TP)	00	01
OFC	03	03

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
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DESIGN CONSULTANT:



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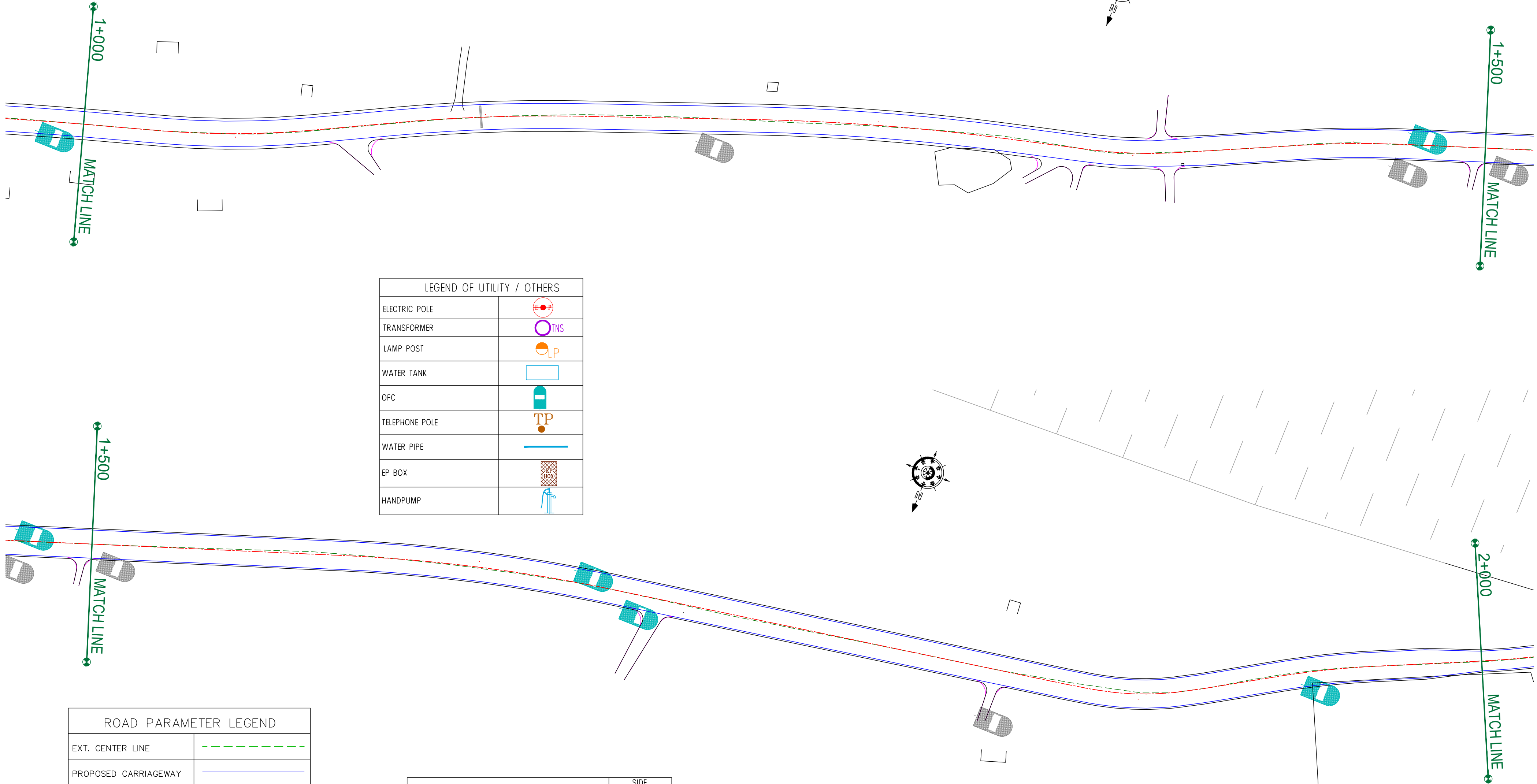
REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE : Utility Relocation Plan (Link Road) (For Telephone Department) (Ch. 0+000 to Ch. 1+000)
DRG. NO. : EPTISA/JTFRP/DPR/J&K/URP/LINK ROAD/01
REVISION : R-1
August 2019

← Pampore

Pulwama →



CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



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Sector v, Salt Lake Kolkata - 700091,
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Ph: 033-40347200
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REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE : 1:1000

TITLE : Utility Relocation Plan (Link Road)
(For Telephone Department)
(Ch. 1+000 to Ch. 2+000)

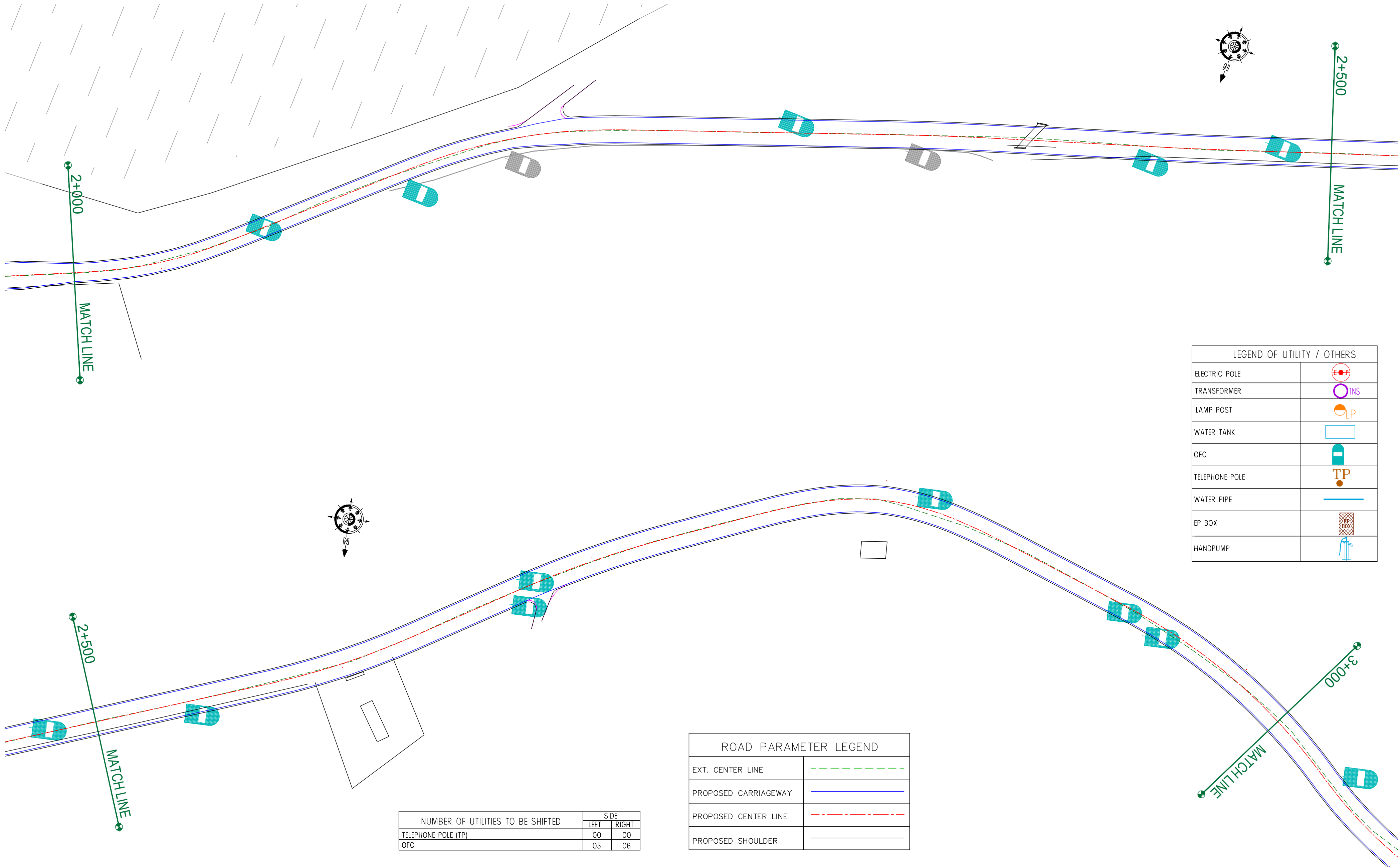
DRG. NO. : EPTISA/JTFRP/DPR/J&K/URP/LINK ROAD/02

REVISION : R-1

August 2019

← Pampore

Pulwama →



CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(**Pampore Pulwama Road in Pulwama District**)

DESIGN CONSULTANT:



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West Bengal
Ph: 033-40347200
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REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE : 1:1000

TITLE : Utility Relocation Plan (Link Road)
(For Telephone Department)
(Ch. 2+000 to Ch. 3+000)

DRG. NO. : EPTISA/JTFRP/DPR/J&K/URP/LINK ROAD/03

REVISION : R-1

August 2019

← Pampore

Pulwama →



LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
TELEPHONE POLE (TP)	00	00
OFC	03	08

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
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Ph: 033-40347200
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REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE : 1:1000

TITLE : Utility Relocation Plan (Link Road)
(For Telephone Department)
(Ch. 3+000 to Ch. 4+000)

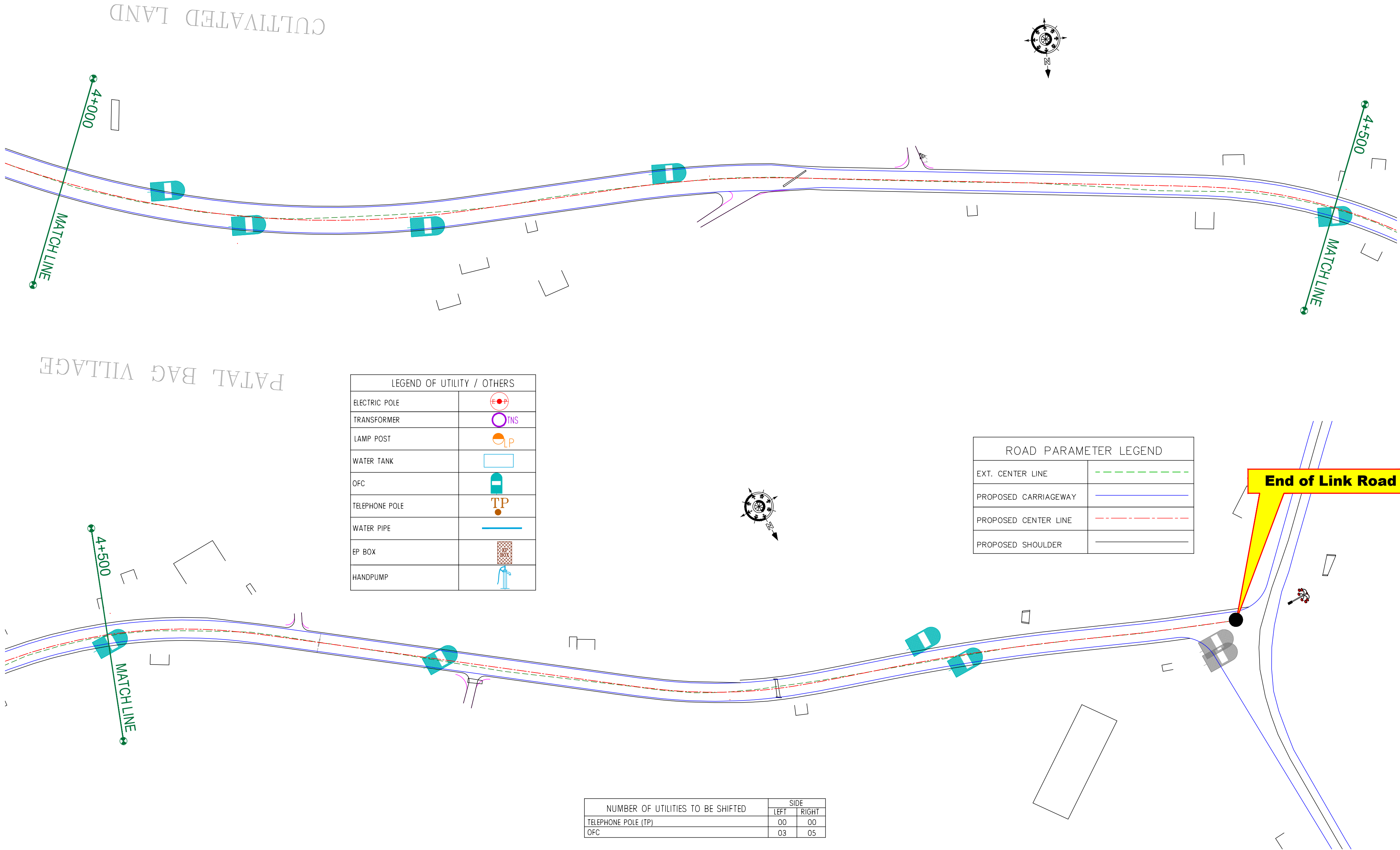
DRG. NO. : EPTISA/JTFRP/DPR/J&K/URP/LINK ROAD/04

REVISION : R-1

August 2019

← Pampore

Pulwama →



LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
TELEPHONE POLE (TP)	00	00
OFC	03	05

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
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(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



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West Bengal
Ph: 033-40347200
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REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

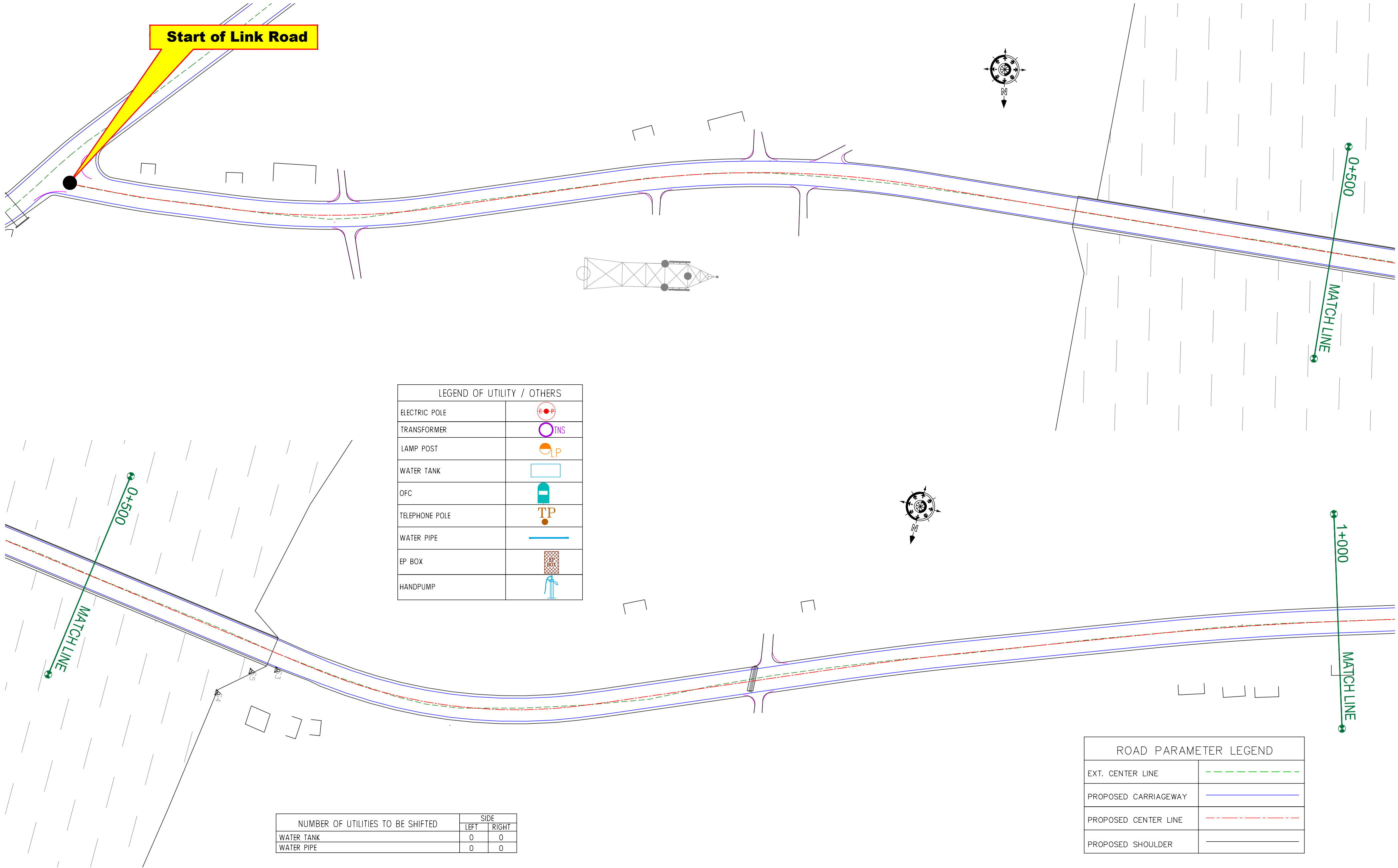
SCALE : 1:1000

TITLE : Utility Relocation Plan (Link Road)
(For Telephone Department)
(Ch. 4+000 to Ch. 5+000)

DRG. NO. : EPTISA/JTRP/DPR/J&K/URP/LINK ROAD/05

REVISION : R-1

August 2019



LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
WATER TANK	0	0
WATER PIPE	0	0

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

CLIENT :

Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
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PROJECT :

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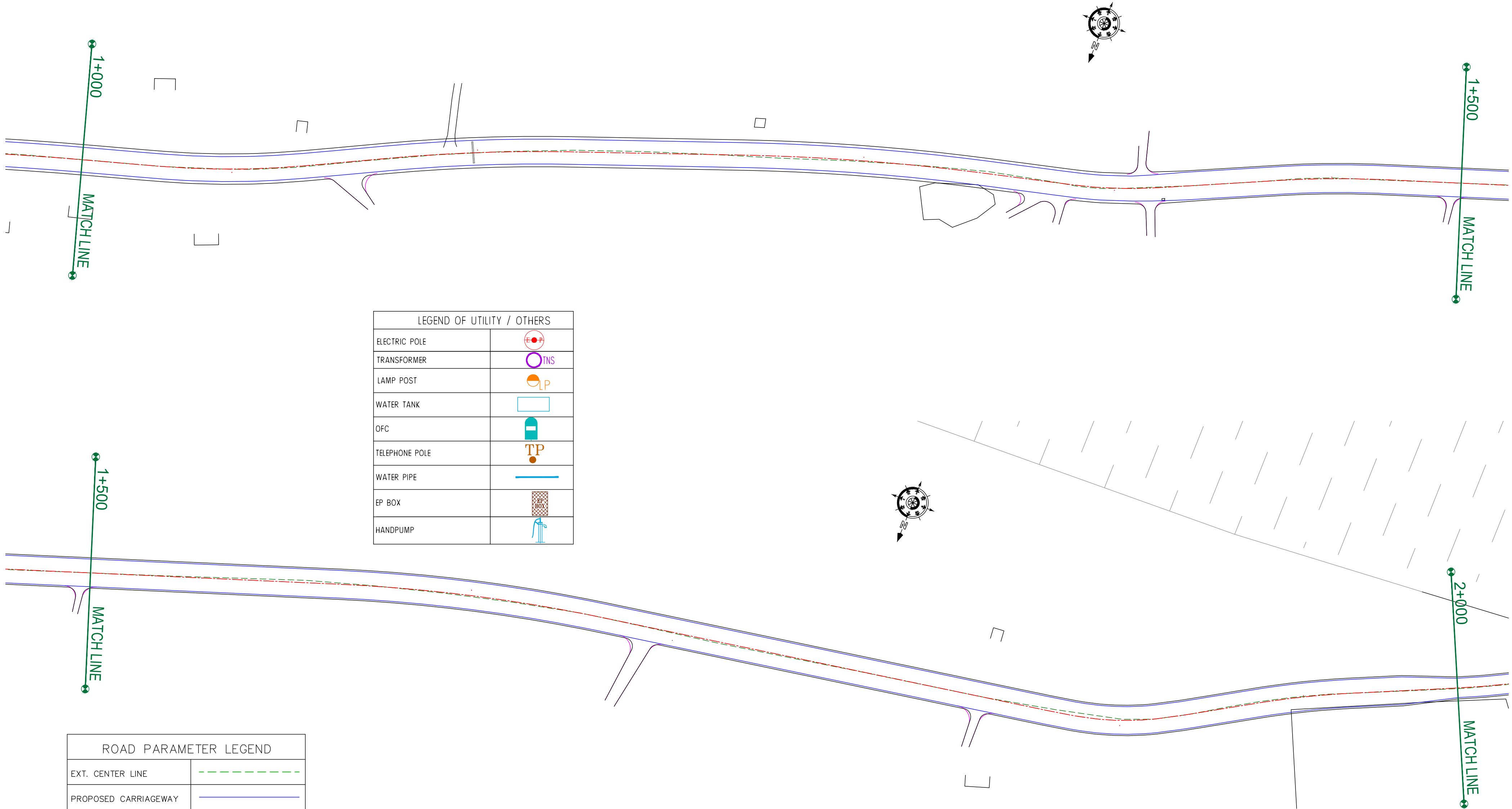
REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	Utility Relocation Plan (Link Road) (For Electricity Department) (Ch. 0+000 to Ch. 1+000)
DRG. NO. :	EPTISA/JTFRP/DPR/J&K/URP/LINK ROAD/01
REVISION :	R-1
August 2019	

← Pampore

Pulwama →



CLIENT :



Jhelum Tawi Flood Recovery Project
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DESIGN CONSULTANT:



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West Bengal
Ph: 033-40347200
www.eptisa.com

REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE : 1:1000

TITLE : Utility Relocation Plan (Link Road)
(For Electricity Department)
(Ch. 1+000 to Ch. 2+000)

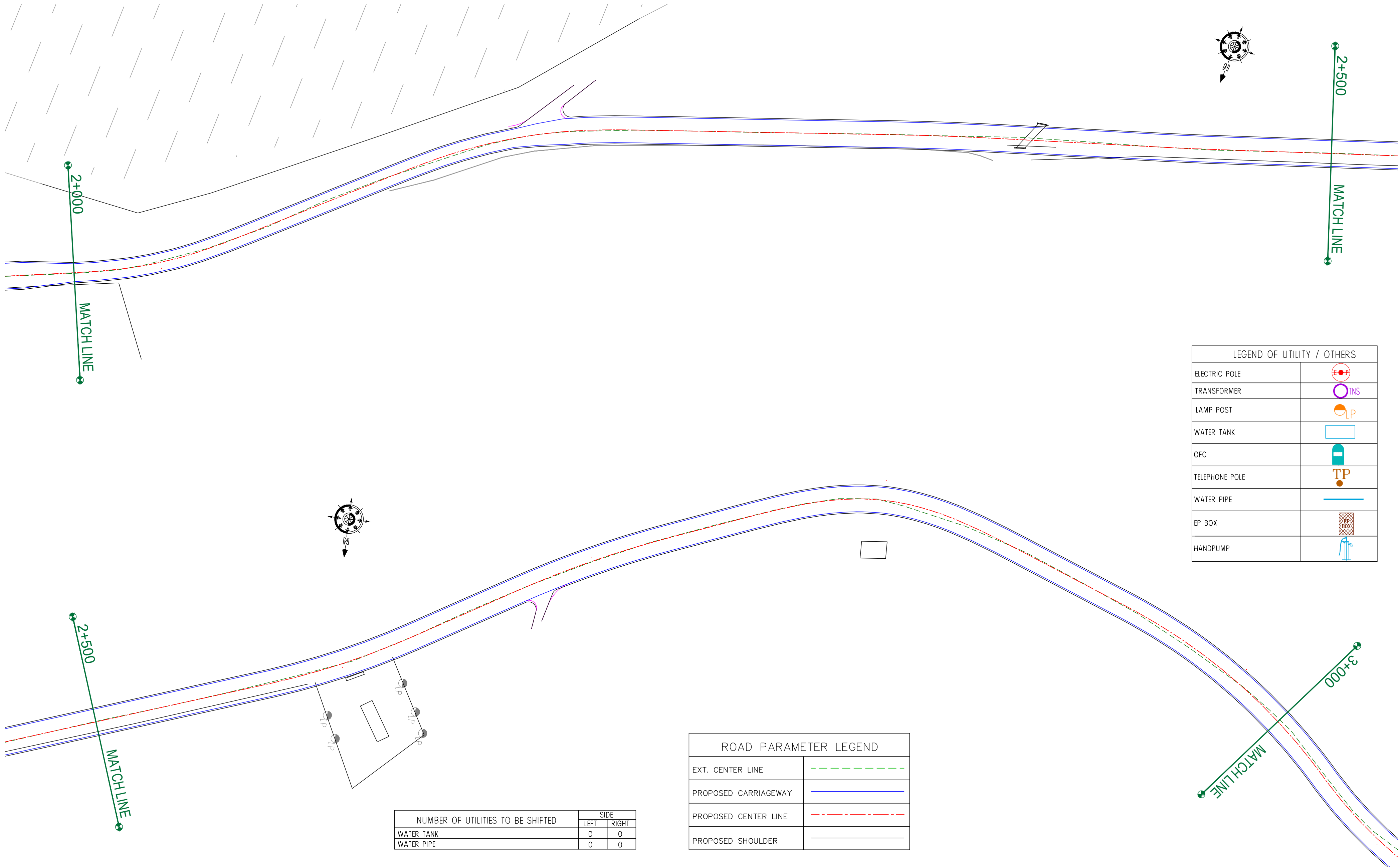
DRG. NO. : EPTISA/JTFRP/DPR/J&K/URP/LINK ROAD 02

REVISION : R-1

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LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
WATER TANK	0	0
WATER PIPE	0	0

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(**Pampore Pulwama Road in Pulwama District**)

DESIGN CONSULTANT:



Servicios de Ingenieria S.L.

Unit 1203, 12th Floor, Tower 1, PS Srijan
Corporate Park, Plot No. 2, Block EP & GP,
Sector v, Salt Lake Kolkata - 700091,
West Bengal
Ph: 033-40347200
www.eptisa.com

REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE : 1:1000

TITLE : Utility Relocation Plan (Link Road)
(For Electricity Department)
(Ch. 2+000 to Ch. 3+000)

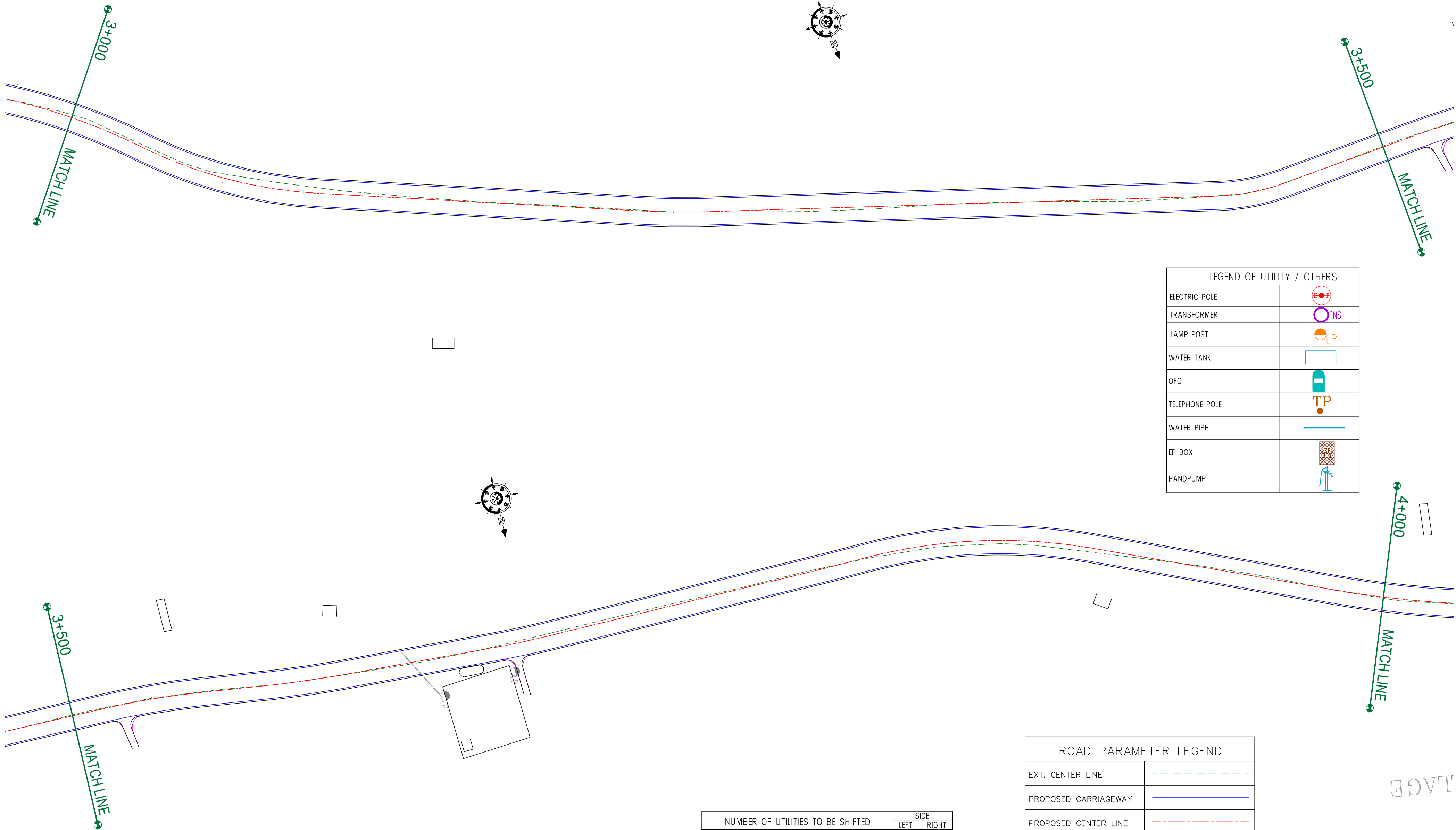
DRG. NO. : EPTISA/JTFRP/DPR/J&K/URP/LINK ROAD-03

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LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
WATER TANK	0	0
WATER PIPE	0	0

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



Servicios de Ingenieria S.L.

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Sector v, Salt Lake Kolkata - 700091,
West Bengal
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REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE : Utility Relocation Plan (Link Road)
(For Electricity Department)
(Ch. 3+000 to Ch. 4+000)

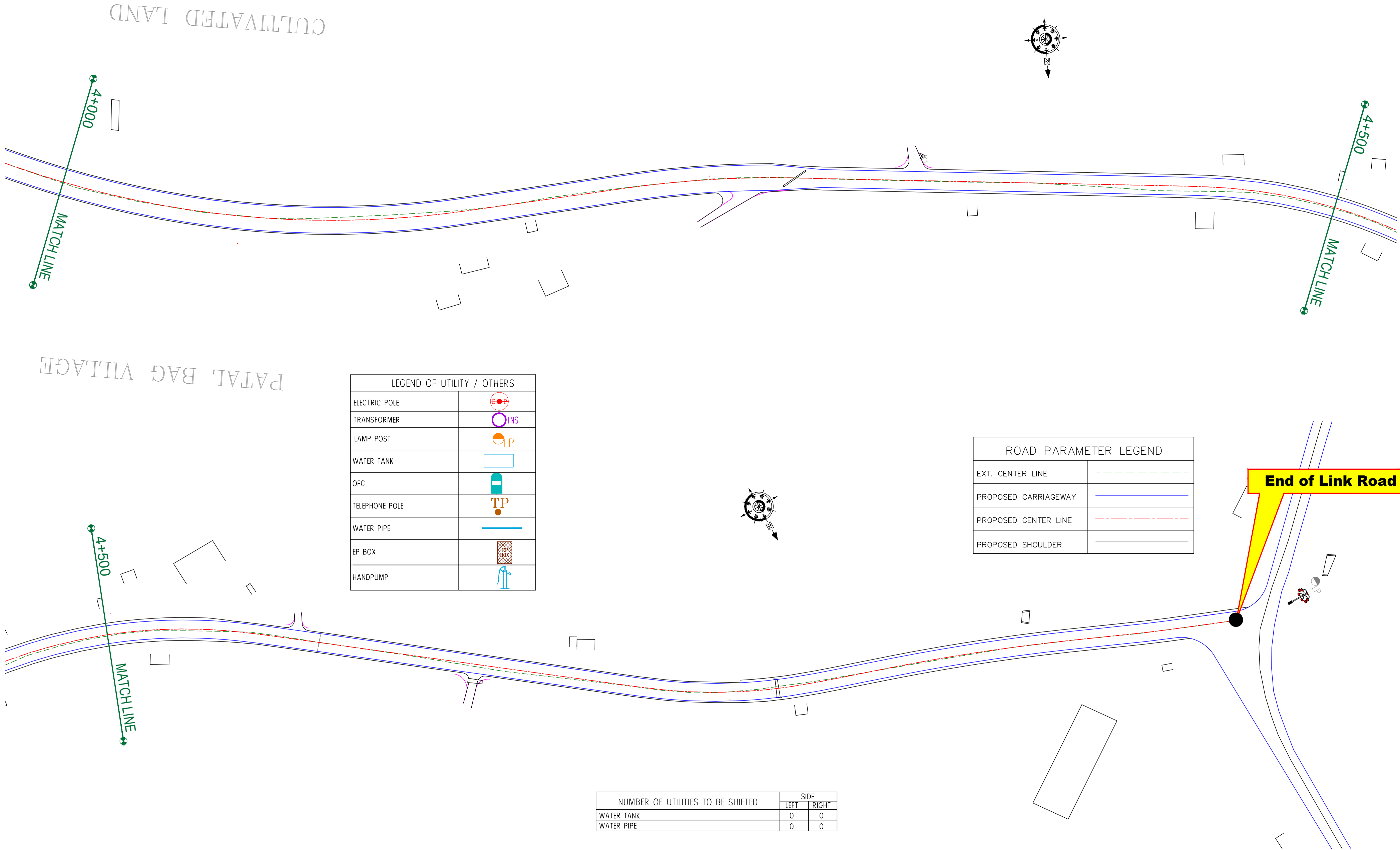
DRG. NO. : EPTISA/JTFRP/DPR/J&K/URP/LINK ROAD-04

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LEGEND OF UTILITY / OTHERS	
ELECTRIC POLE	
TRANSFORMER	
LAMP POST	
WATER TANK	
OFC	
TELEPHONE POLE	
WATER PIPE	
EP BOX	
HANDPUMP	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

End of Link Road

NUMBER OF UTILITIES TO BE SHIFTED	SIDE	
	LEFT	RIGHT
WATER TANK	0	0
WATER PIPE	0	0

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



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REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE : 1:1000

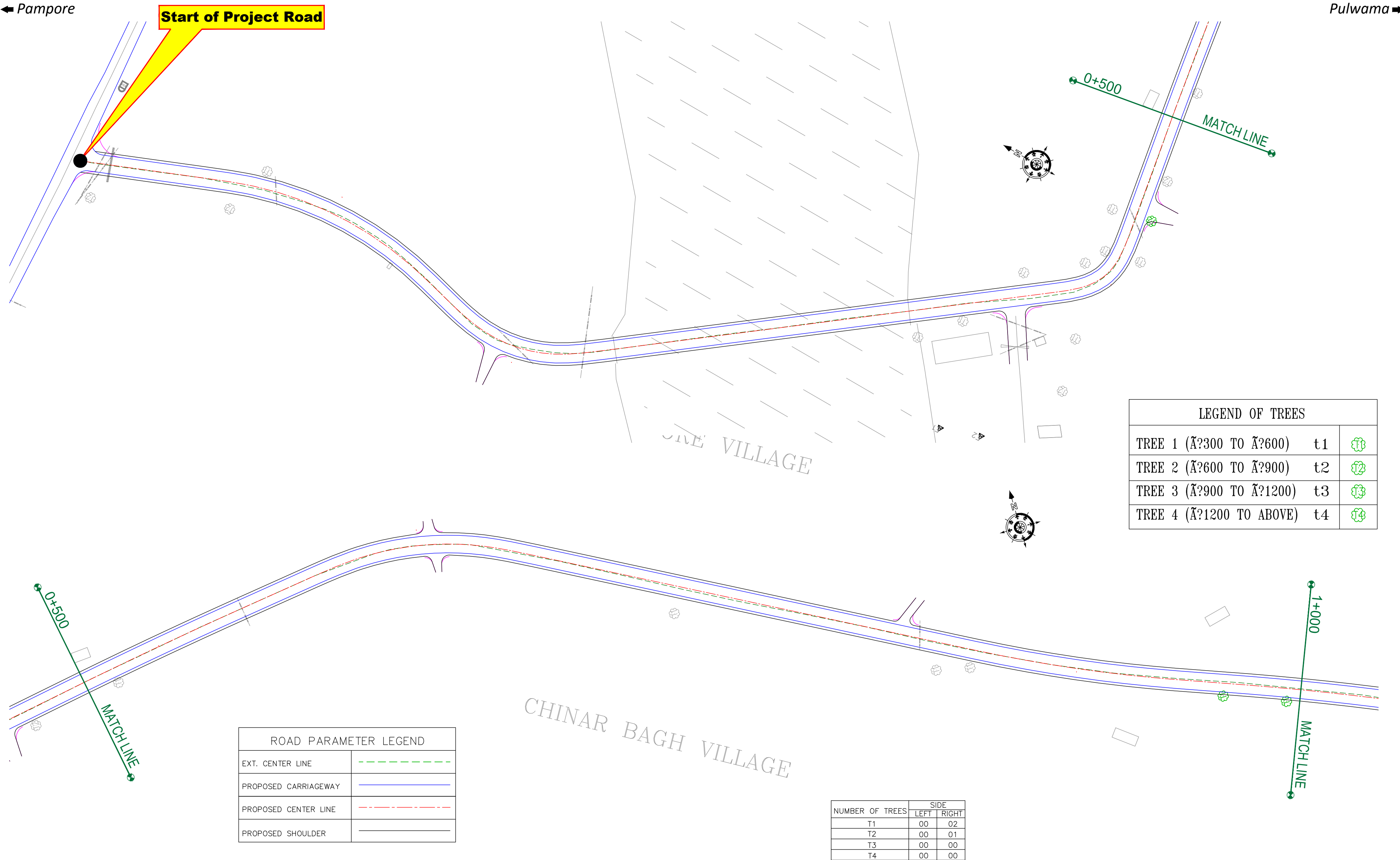
TITLE : Utility Relocation Plan (Link Road)
(For Electricity Department)
(Ch. 4+000 to Ch. 5+000)

DRG. NO. : EPTISA/JTRP/DPR/J&K/URP/LINK ROAD 05

REVISION : R-1

August 2019

≡ TREE CUTTING (MAIN ROAD) ≡



ROAD PARAMETER LEGEND	
EXT. CENTER LINE	---
PROPOSED CARRIAGEWAY	---
PROPOSED CENTER LINE	---
PROPOSED SHOULDER	---

LEGEND OF TREES		
TREE 1 (300 TO 600)	t1	
TREE 2 (600 TO 900)	t2	
TREE 3 (900 TO 1200)	t3	
TREE 4 (1200 TO ABOVE)	t4	

NUMBER OF TREES	SIDE	
	LEFT	RIGHT
T1	00	02
T2	00	01
T3	00	00
T4	00	00

CLIENT :

Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :
Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:

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REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	TREE CUTTING (Ch. 0+000 to Ch. 1+000)
DRG. NO. :	EPTISA/JTRFP/DPR/J&K/TC/01
REVISION : R-1	August 2019

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ROAD PARAMETER LEGEND	
EXT. CENTER LINE	---
PROPOSED CARRIAGEWAY	---
PROPOSED CENTER LINE	---
PROPOSED SHOULDER	---

NUMBER OF TREES	SIDE	
	LEFT	RIGHT
T1	05	16
T2	01	00
T3	00	00
T4	00	00

LEGEND OF TREES		
TREE 1 (300 TO 600)	t1	
TREE 2 (600 TO 900)	t2	
TREE 3 (900 TO 1200)	t3	
TREE 4 (1200 TO ABOVE)	t4	

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



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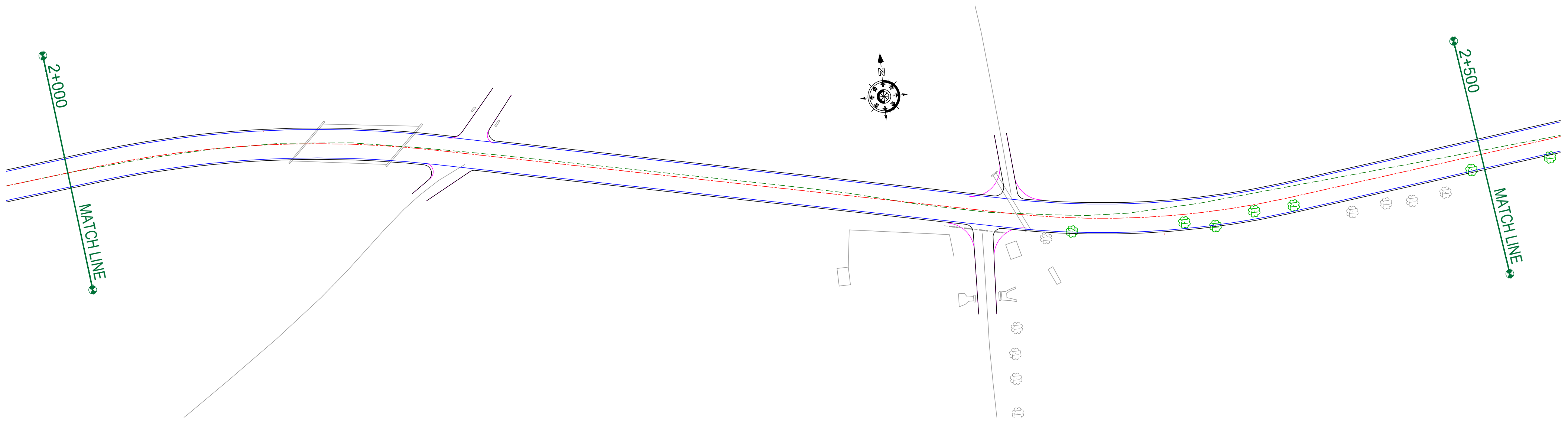
REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
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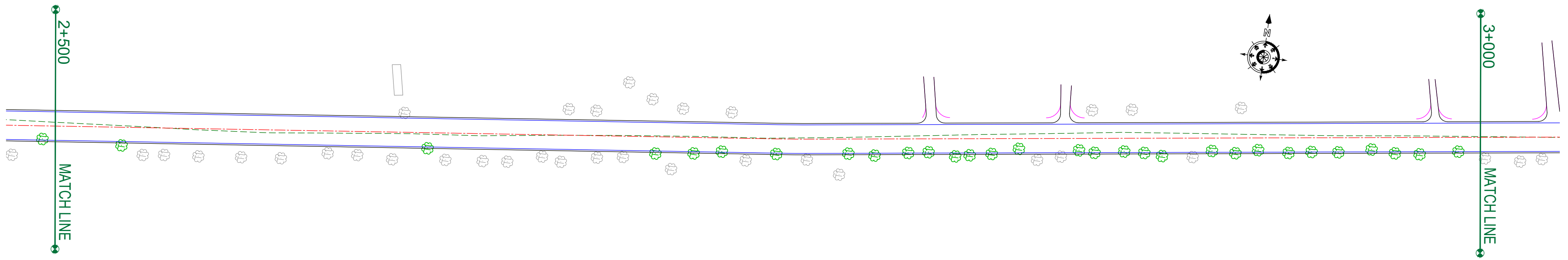
TITLE :	TREE CUTTING (Ch. 1+000 to Ch. 2+000)	
DRG. NO. :	EPTISA/JTRP/DPR/J&K/TC/02	
REVISION : R-1	August 2019	

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Pulwama →



CHINAR BAGH VILLAGE



CHINAR BAGH VILLAGE

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF TREES	SIDE	
	LEFT	RIGHT
T1	00	34
T2	00	01
T3	00	00
T4	00	00

LEGEND OF TREES		
TREE 1 (Ã?300 TO Ã?600)	t1	
TREE 2 (Ã?600 TO Ã?900)	t2	
TREE 3 (Ã?900 TO Ã?1200)	t3	
TREE 4 (Ã?1200 TO ABOVE)	t4	

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



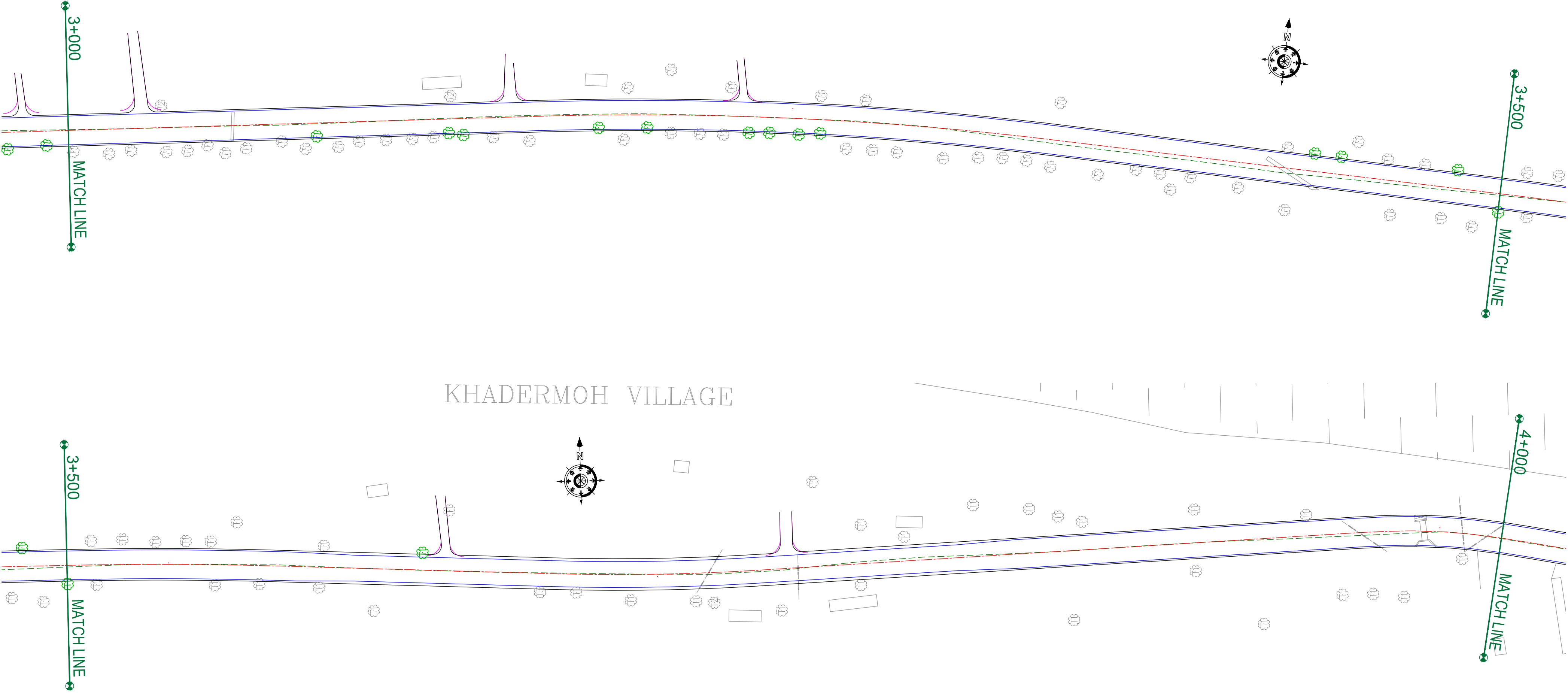
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REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	TREE CUTTING (Ch. 2+000 to Ch. 3+000)
DRG. NO. :	EPTISA/JTRFP/DPR/J&K/TC/03
REVISION : R-1	August 2019



KHADERMOH VILLAGE

KHADERMOH VILLAGE

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF TREES	SIDE	
	LEFT	RIGHT
T1	04	10
T2	00	00
T3	00	00
T4	00	00

LEGEND OF TREES		
TREE 1 (300 TO 600)	t1	
TREE 2 (600 TO 900)	t2	
TREE 3 (900 TO 1200)	t3	
TREE 4 (1200 TO ABOVE)	t4	

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



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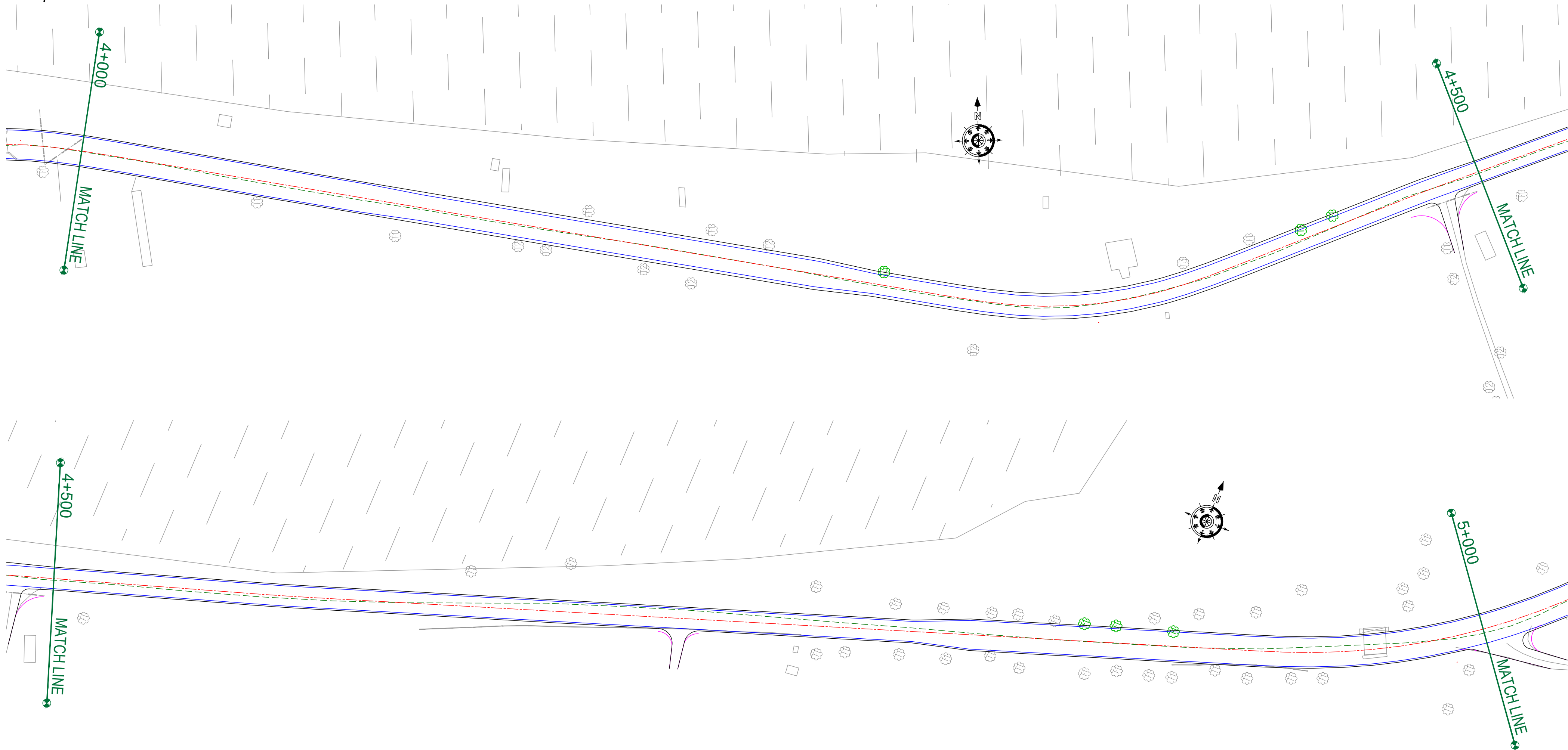
REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	TREE CUTTING (Ch. 3+000 to Ch. 4+000)
DRG. NO. :	EPTISA/JTRFP/DPR/J&K/TC/04
REVISION : R-1	August 2019

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MARVAL VILLAGE

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	---
PROPOSED CARRIAGEWAY	—
PROPOSED CENTER LINE	- - -
PROPOSED SHOULDER	—

NUMBER OF TREES	SIDE	
	LEFT	RIGHT
T1	05	00
T2	00	00
T3	01	00
T4	00	00

LEGEND OF TREES		
TREE 1 (300 TO 600)	t1	
TREE 2 (600 TO 900)	t2	
TREE 3 (900 TO 1200)	t3	
TREE 4 (1200 TO ABOVE)	t4	

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

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(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



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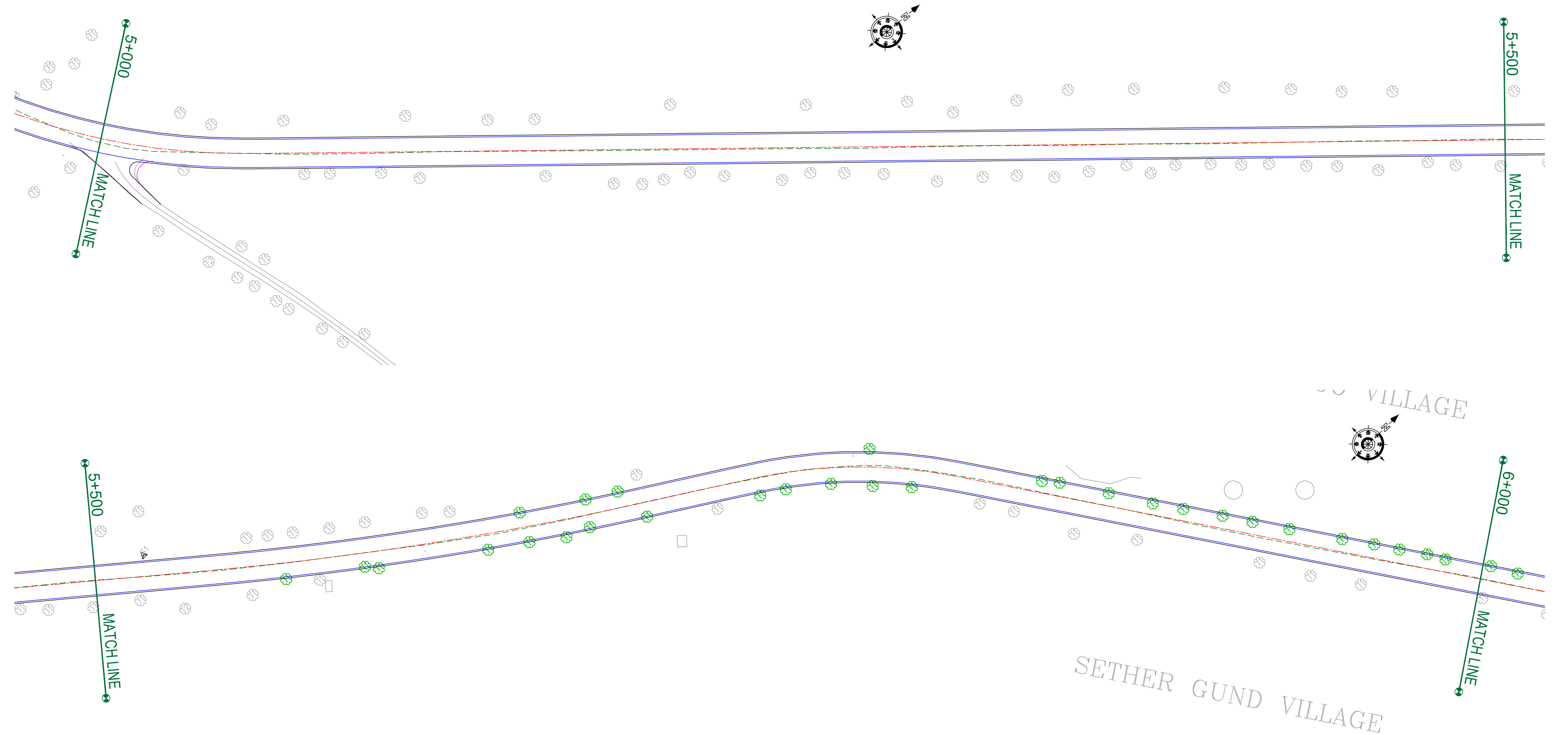
REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	TREE CUTTING (Ch. 4+000 to Ch. 5+000)
DRG. NO. :	EPTISA/JTRP/DPR/J&K/TC/05
REVISION : R-1	August 2019

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ROAD PARAMETER LEGEND	
EXT. CENTER LINE	---
PROPOSED CARRIAGEWAY	---
PROPOSED CENTER LINE	---
PROPOSED SHOULDER	---

NUMBER OF TREES	SIDE	
	LEFT	RIGHT
T1	15	13
T2	02	00
T3	00	00
T4	00	00

LEGEND OF TREES		
TREE 1 (300 TO 600)	t1	
TREE 2 (600 TO 900)	t2	
TREE 3 (900 TO 1200)	t3	
TREE 4 (1200 TO ABOVE)	t4	

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



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Sector v, Salt Lake Kolkata - 700091,
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REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE : 1:1000

TITLE :

TREE CUTTING

(Ch. 5+000 to Ch. 6+000)

DRG. NO. : EPTISA/JTFRP/DPR/J&K/TC/06

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ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF TREES	SIDE	
	LEFT	RIGHT
T1	14	08
T2	03	01
T3	00	00
T4	00	00

LEGEND OF TREES		
TREE 1 (300 TO 600)	t1	
TREE 2 (600 TO 900)	t2	
TREE 3 (900 TO 1200)	t3	
TREE 4 (1200 TO ABOVE)	t4	

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
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DESIGN CONSULTANT:



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REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE : 1:1000

TITLE :

TREE CUTTING

(Ch. 6+000 to Ch. 7+000)

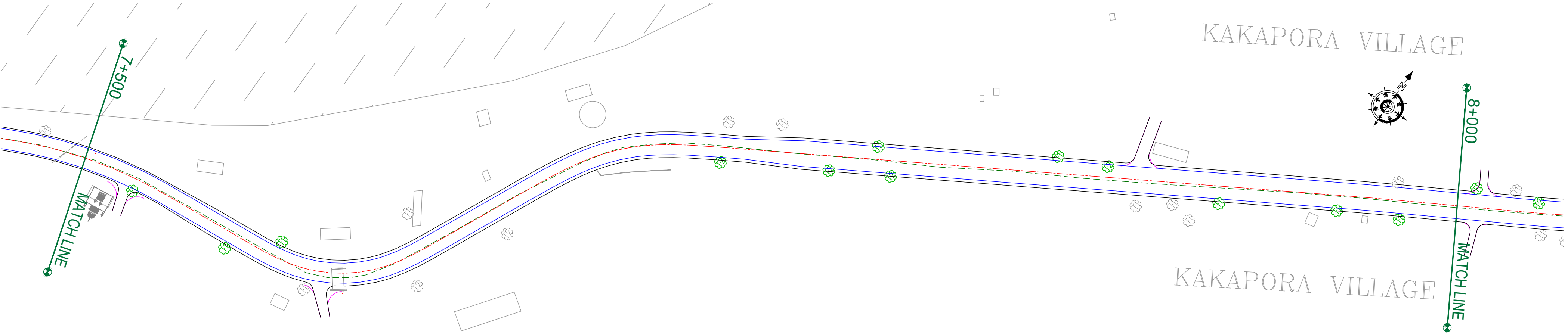
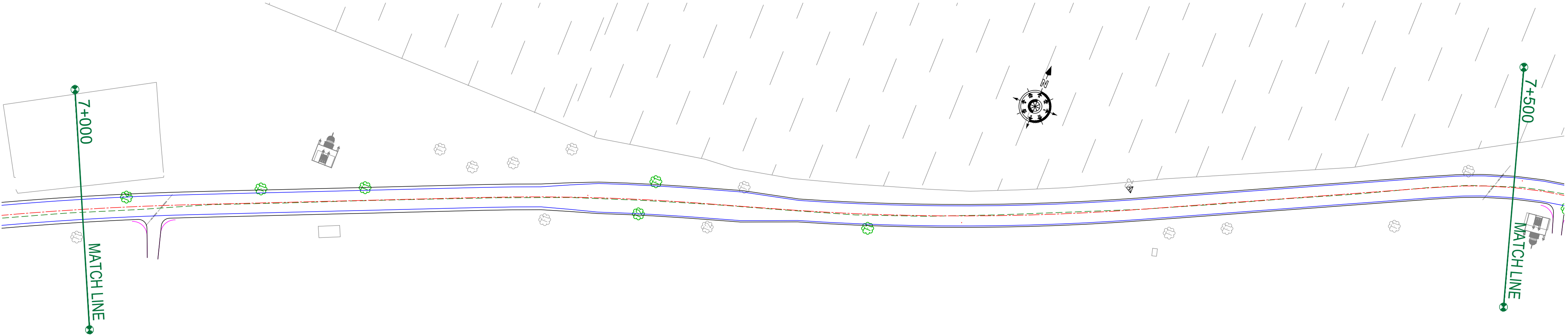
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ROAD PARAMETER LEGEND	
EXT. CENTER LINE	---
PROPOSED CARRIAGEWAY	---
PROPOSED CENTER LINE	---
PROPOSED SHOULDER	---

NUMBER OF TREES	SIDE	
	LEFT	RIGHT
T1	05	06
T2	01	04
T3	01	00
T4	01	00

LEGEND OF TREES		
TREE 1 (300 TO 600)	t1	
TREE 2 (600 TO 900)	t2	
TREE 3 (900 TO 1200)	t3	
TREE 4 (1200 TO ABOVE)	t4	

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

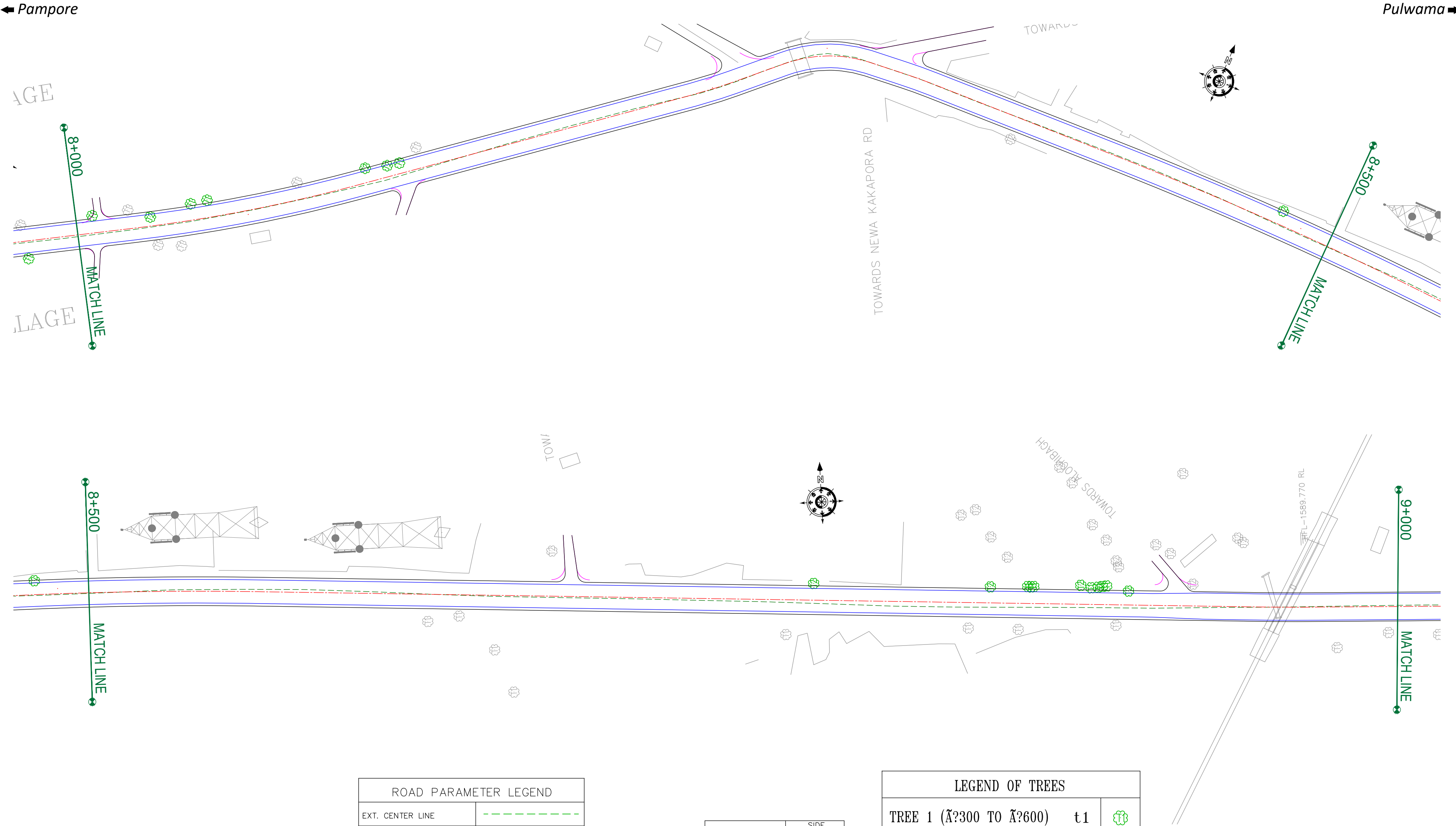
DESIGN CONSULTANT:

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Sector v, Salt Lake Kolkata - 700091,
West Bengal
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REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	TREE CUTTING (Ch. 7+000 to Ch. 8+000)
DRG. NO. :	EPTISA/JTRFP/DPR/J&K/TC/08
REVISION : R-1	August 2019



ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF TREES	SIDE	
	LEFT	RIGHT
T1	11	00
T2	08	00
T3	00	00
T4	00	00

LEGEND OF TREES		
TREE 1 (300 TO 600)	t1	
TREE 2 (600 TO 900)	t2	
TREE 3 (900 TO 1200)	t3	
TREE 4 (1200 TO ABOVE)	t4	

CLIENT :

Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
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DESIGN CONSULTANT:

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Corporate Park, Plot No. 2, Block EP & GP,
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West Bengal
Ph: 033-40347200
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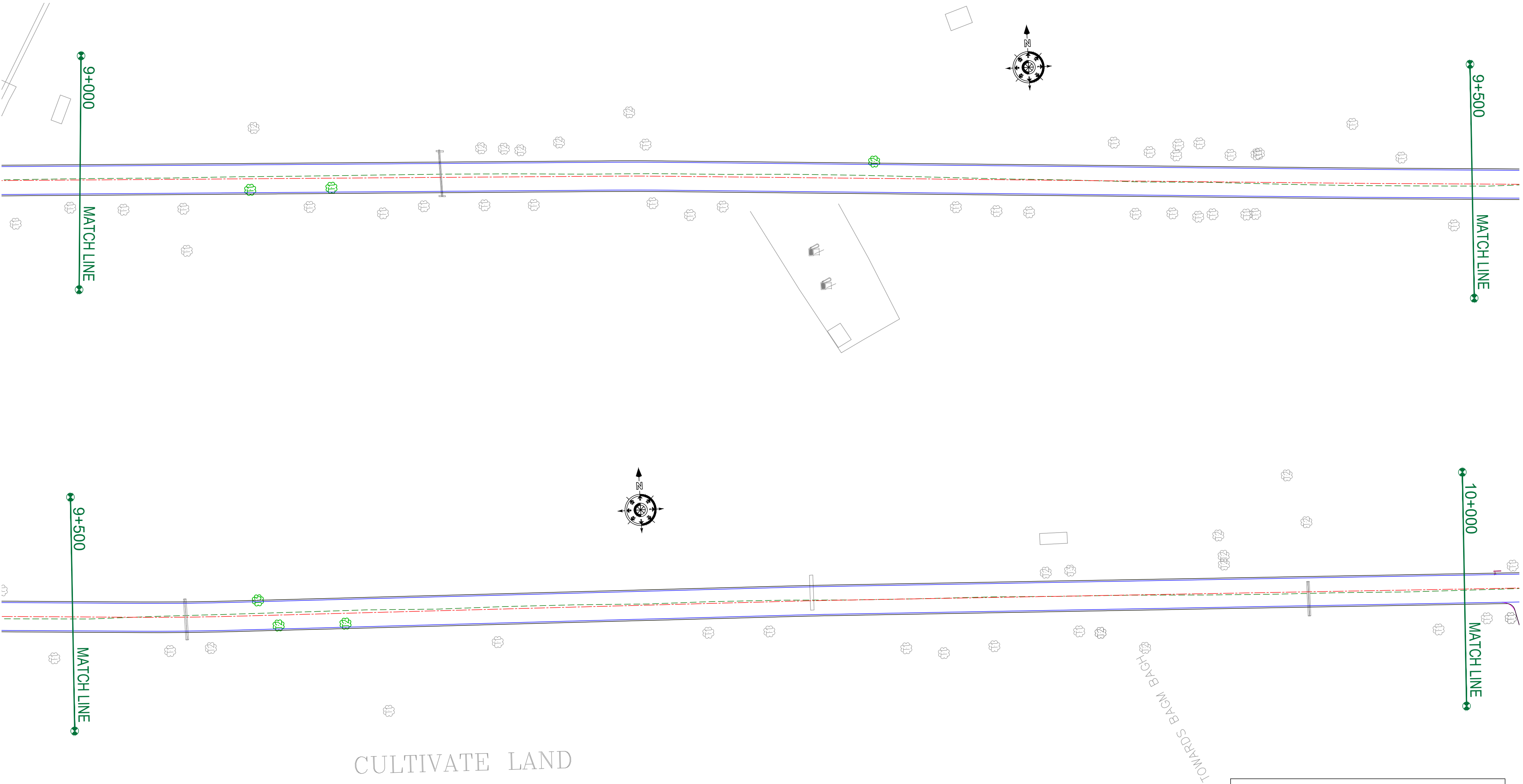
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APPROVED BY :	KG
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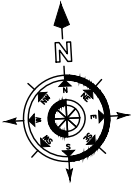
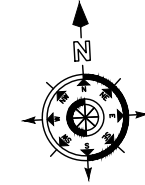
TITLE :	TREE CUTTING (Ch. 8+000 to Ch. 9+000)	
DRG. NO. :	EPTISA/JTFRP/DPR/J&K/TC/09	
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CULTIVATE LAND



ROAD PARAMETER LEGEND	
EXT. CENTER LINE	---
PROPOSED CARRIAGEWAY	—
PROPOSED CENTER LINE	- - -
PROPOSED SHOULDER	—

NUMBER OF TREES	SIDE	
	LEFT	RIGHT
T1	00	02
T2	01	02
T3	01	00
T4	00	00

LEGEND OF TREES		
TREE 1 (300 TO 600)	t1	
TREE 2 (600 TO 900)	t2	
TREE 3 (900 TO 1200)	t3	
TREE 4 (1200 TO ABOVE)	t4	

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

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(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



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Sector v, Salt Lake Kolkata - 700091,
West Bengal
Ph: 033-40347200
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REV.	DATE	DESCRIPTION

DRAWN BY : SD

DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE : 1:1000

TITLE :

TREE CUTTING

(Ch. 9+000 to Ch. 10+000)

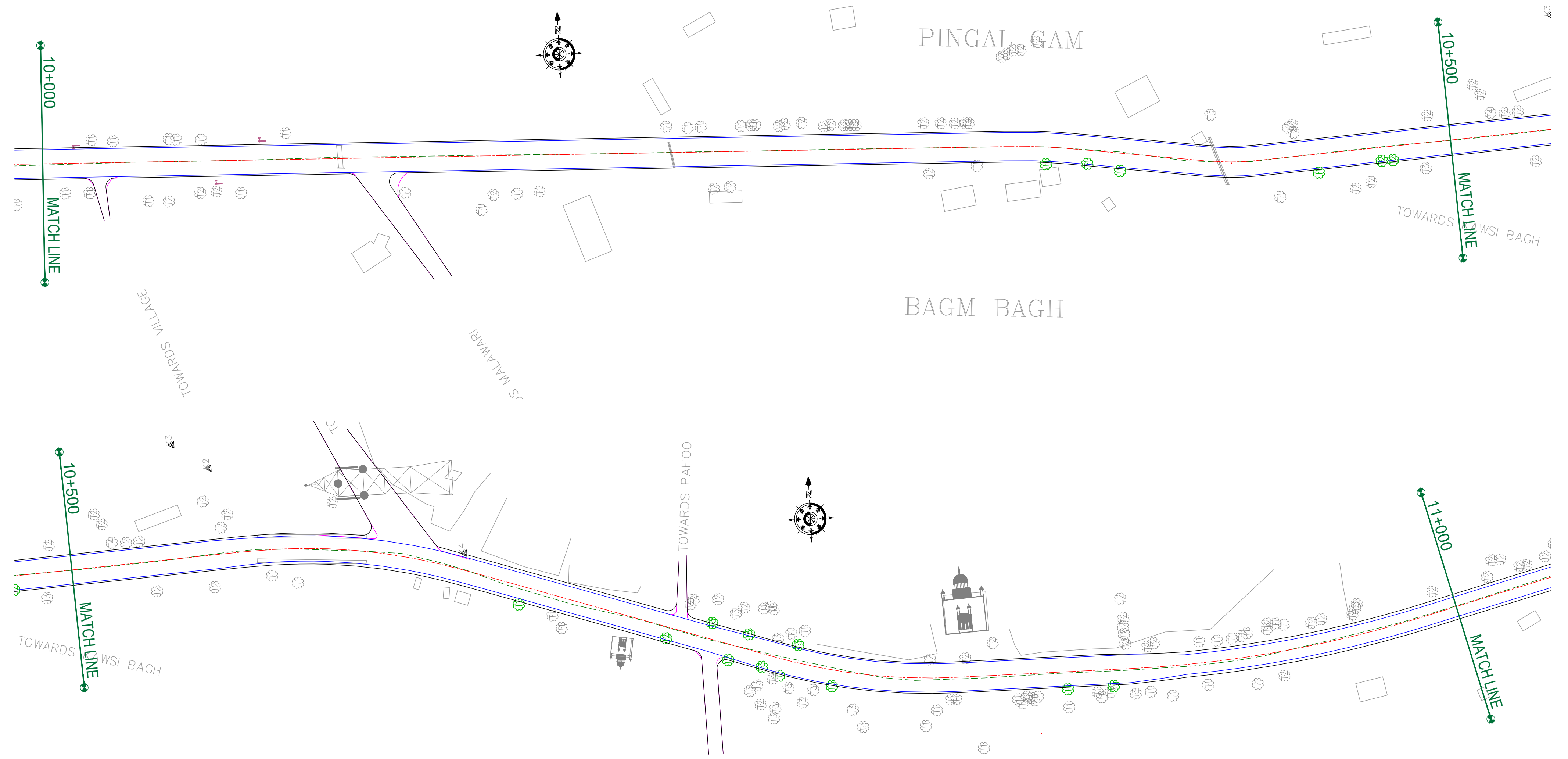
DRG. NO. : EPTISA/JTRP/DPR/J&K/TC/10

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ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF TREES	SIDE	
	LEFT	RIGHT
T1	00	07
T2	01	04
T3	03	03
T4	00	00

LEGEND OF TREES		
TREE 1 (Å?300 TO Å?600)	t1	
TREE 2 (Å?600 TO Å?900)	t2	
TREE 3 (Å?900 TO Å?1200)	t3	
TREE 4 (Å?1200 TO ABOVE)	t4	

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

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(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:

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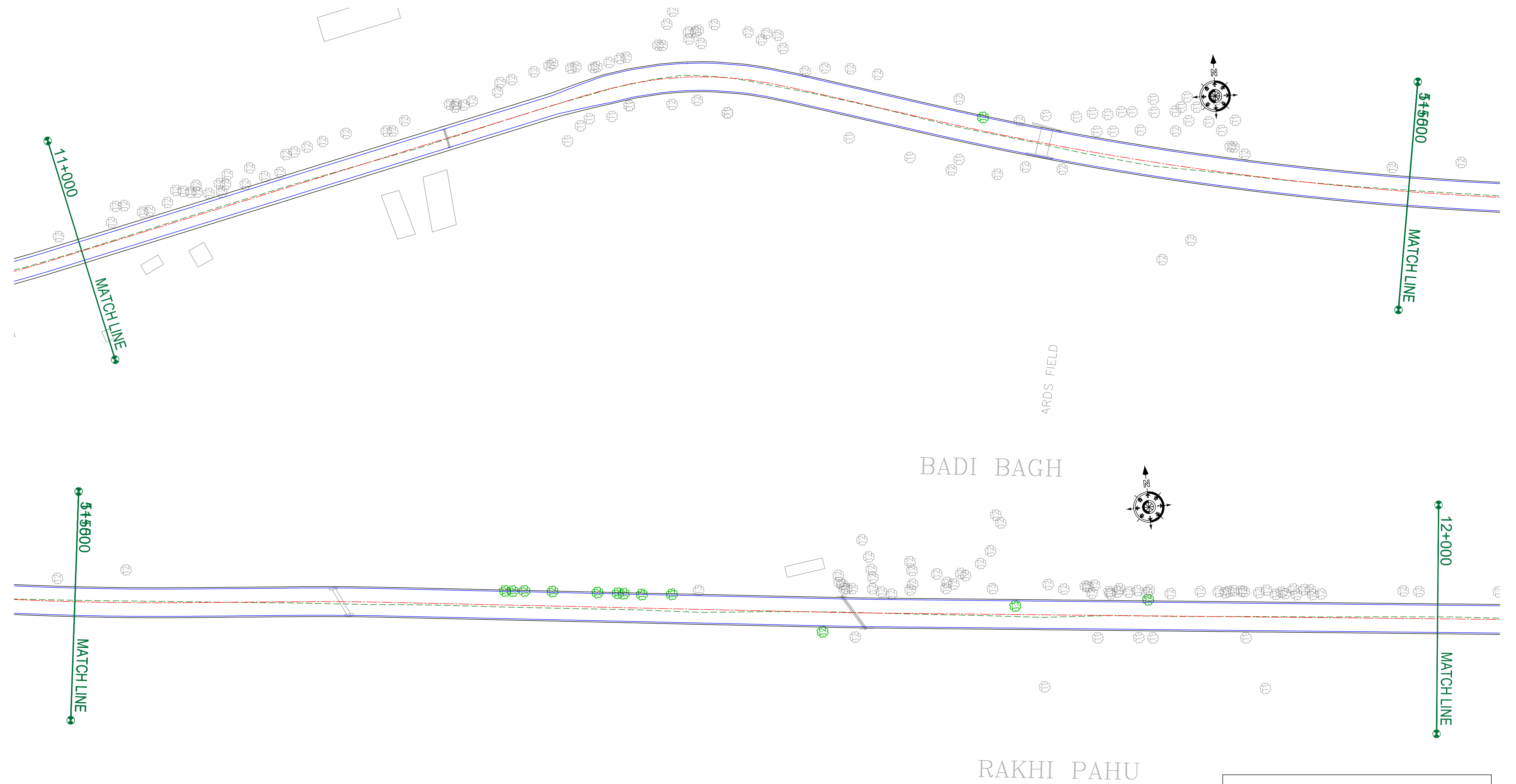
REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	TREE CUTTING (Ch. 10+000 to Ch. 11+000)	
DRG. NO. :	EPTISA/JTRP/DPR/J&K/TC/11	
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Pulwama →



ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF TREES	SIDE	
	LEFT	RIGHT
T1	00	00
T2	09	01
T3	03	00
T4	00	00

LEGEND OF TREES		
TREE 1 (Ã?300 TO Ã?600)	t1	
TREE 2 (Ã?600 TO Ã?900)	t2	
TREE 3 (Ã?900 TO Ã?1200)	t3	
TREE 4 (Ã?1200 TO ABOVE)	t4	

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

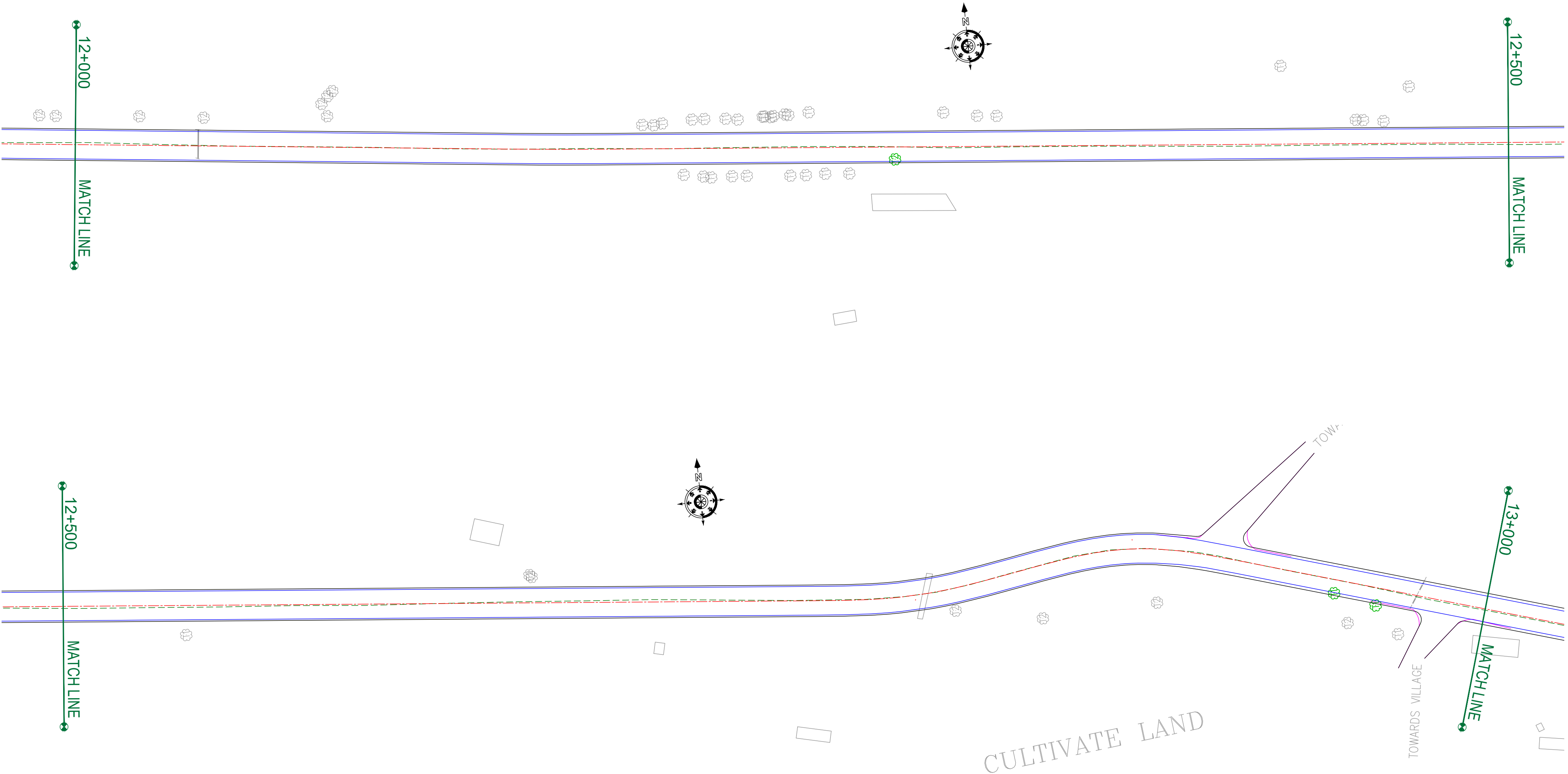
DESIGN CONSULTANT:

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Unit 1203, 12th Floor, Tower 1, PS Srijan
Corporate Park, Plot No. 2, Block EP & GP,
Sector v, Salt Lake Kolkata - 700091,
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Ph: 033-40347200
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REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	TREE CUTTING (Ch. 11+000 to Ch. 12+000)	
DRG. NO. :	EPTISA/JTRFP/DPR/J&K/TC/12	
REVISION : R-1	August 2019	



ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF TREES	SIDE	
	LEFT	RIGHT
T1	00	02
T2	00	01
T3	00	00
T4	00	00

LEGEND OF TREES		
TREE 1 (300 TO 600)	t1	
TREE 2 (600 TO 900)	t2	
TREE 3 (900 TO 1200)	t3	
TREE 4 (1200 TO ABOVE)	t4	

CLIENT :

Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
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(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:

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REV.	DATE	DESCRIPTION

DRAWN BY :	SD
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APPROVED BY :	KG
SCALE :	1:1000

TITLE :	TREE CUTTING (Ch. 12+000 to Ch. 13+000)	
DRG. NO. :	EPTISA/JTFRP/DPR/J&K/TC/13	
REVISION : R-1	August 2019	



LEGEND OF TREES		
TREE 1 (≤300 TO ≤600)	t1	
TREE 2 (≤600 TO ≤900)	t2	
TREE 3 (≤900 TO ≤1200)	t3	
TREE 4 (≤1200 TO ABOVE)	t4	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF TREES	SIDE	
	LEFT	RIGHT
T1	00	02
T2	02	00
T3	12	00
T4	00	00

CLIENT :

Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:

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REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
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TITLE :	TREE CUTTING (Ch. 13+000 to Ch. 14+000)	
DRG. NO. :	EPTISA/JTFRP/DPR/J&K/TC/14	
REVISION : R-1	August 2019	

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Pulwama →



ROAD PARAMETER LEGEND	
EXT. CENTER LINE	---
PROPOSED CARRIAGEWAY	---
PROPOSED CENTER LINE	---
PROPOSED SHOULDER	---

NUMBER OF TREES	SIDE	
	LEFT	RIGHT
T1	11	00
T2	06	01
T3	00	00
T4	00	00

LEGEND OF TREES		
TREE 1 (300 TO 600)	t1	
TREE 2 (600 TO 900)	t2	
TREE 3 (900 TO 1200)	t3	
TREE 4 (1200 TO ABOVE)	t4	

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

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REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	TREE CUTTING (Ch. 14+000 to Ch. 15+000)
DRG. NO. :	EPTISA/JTRFP/DPR/J&K/TC/15
REVISION : R-1	August 2019

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Pulwama →



NUMBER OF TREES	SIDE	
	LEFT	RIGHT
T1	00	00
T2	02	02
T3	00	01
T4	01	00

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

LEGEND OF TREES		
TREE 1 (∅300 TO ∅600)	t1	
TREE 2 (∅600 TO ∅900)	t2	
TREE 3 (∅900 TO ∅1200)	t3	
TREE 4 (∅1200 TO ABOVE)	t4	

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

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REV.	DATE	DESCRIPTION

DRAWN BY : SD

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TITLE :

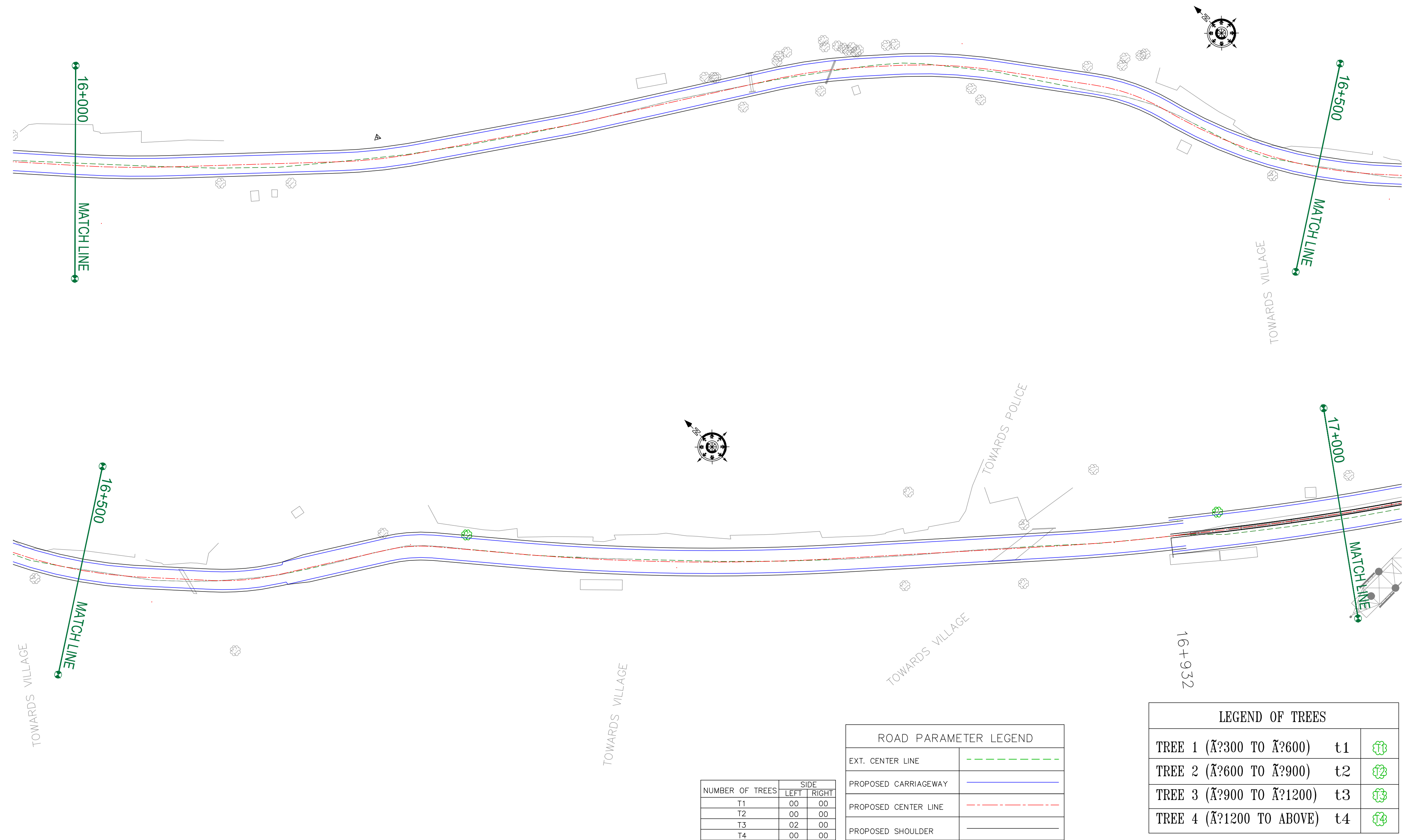
TREE CUTTING

(Ch. 15+000 to Ch. 16+000)

DRG. NO. : EPTISA/JTFRP/DPR/J&K/TC/16

REVISION : R-1

August 2019



NUMBER OF TREES	SIDE	
	LEFT	RIGHT
T1	00	00
T2	00	00
T3	02	00
T4	00	00

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

LEGEND OF TREES		
TREE 1 (∅300 TO ∅600)	t1	
TREE 2 (∅600 TO ∅900)	t2	
TREE 3 (∅900 TO ∅1200)	t3	
TREE 4 (∅1200 TO ABOVE)	t4	

CLIENT :



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2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

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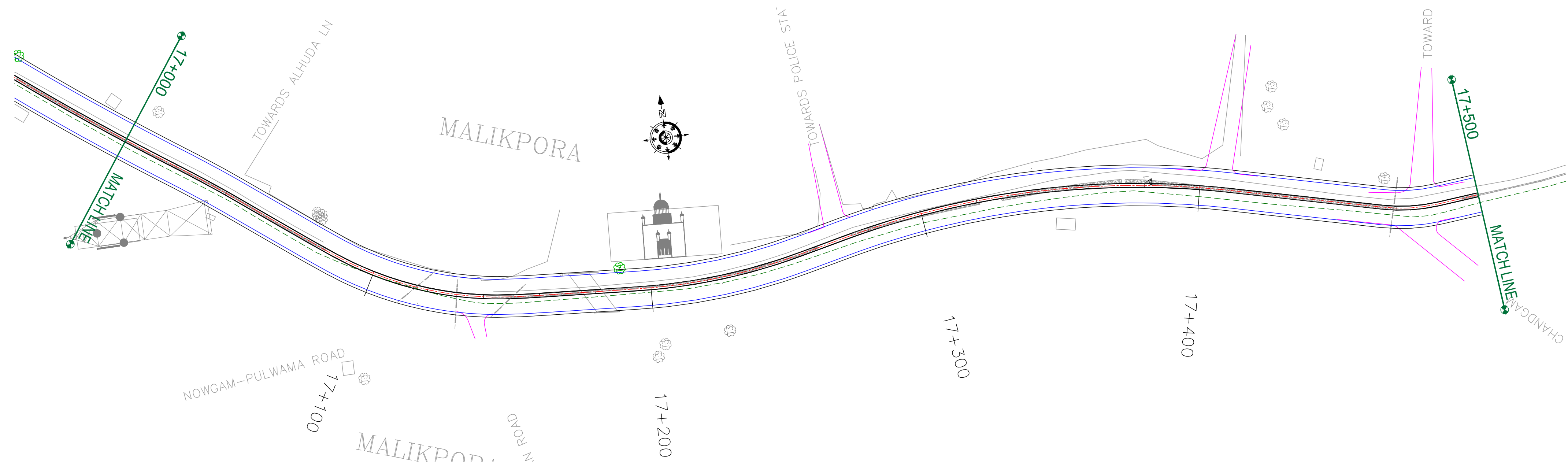
REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

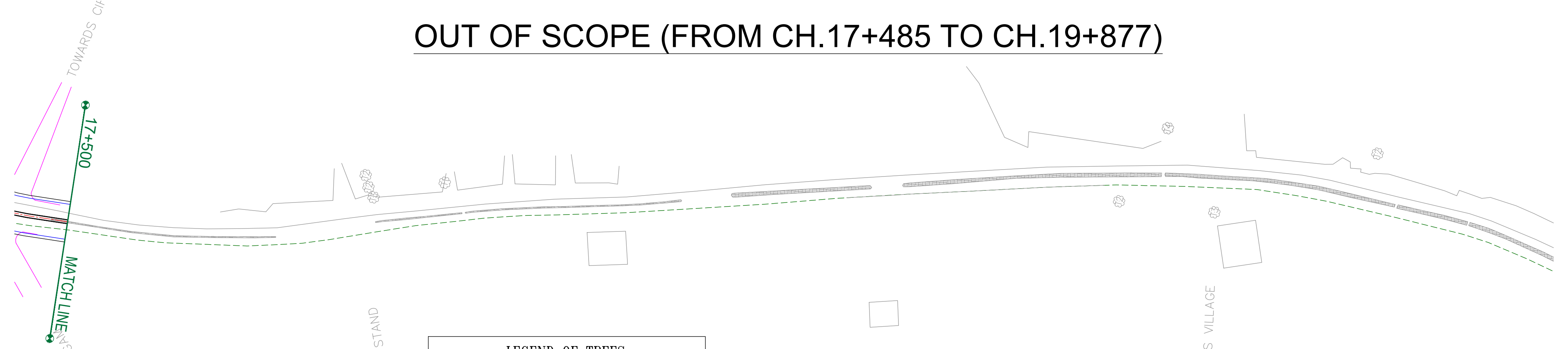
TITLE :	TREE CUTTING (Ch. 16+000 to Ch. 17+000)	
DRG. NO. :	EPTISA/JTRFP/DPR/J&K/TC/17	
REVISION : R-1	August 2019	

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OUT OF SCOPE (FROM CH.17+485 TO CH.19+877)



NUMBER OF TREES	SIDE	
	LEFT	RIGHT
T1	00	00
T2	00	00
T3	00	00
T4	01	00

LEGEND OF TREES		
TREE 1 (≤300 TO ≤600)	t1	
TREE 2 (≤600 TO ≤900)	t2	
TREE 3 (≤900 TO ≤1200)	t3	
TREE 4 (≤1200 TO ABOVE)	t4	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

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DESIGN CONSULTANT:



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REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	TREE CUTTING (Ch. 17+000 to Ch. 17+500)
DRG. NO. :	EPTISA/JTRP/DPR/J&K/TC/18
REVISION : R-1	August 2019

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Pulwama →



NUMBER OF TREES	SIDE	
	LEFT	RIGHT
T1	21	16
T2	09	00
T3	02	00
T4	00	00

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	---
PROPOSED CARRIAGEWAY	---
PROPOSED CENTER LINE	---
PROPOSED SHOULDER	---

LEGEND OF TREES		
TREE 1 (∅300 TO ∅600)	t1	
TREE 2 (∅600 TO ∅900)	t2	
TREE 3 (∅900 TO ∅1200)	t3	
TREE 4 (∅1200 TO ABOVE)	t4	

CLIENT :



Jhelum Tawi Flood Recovery Project
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Srinagar-190 009.

PROJECT :

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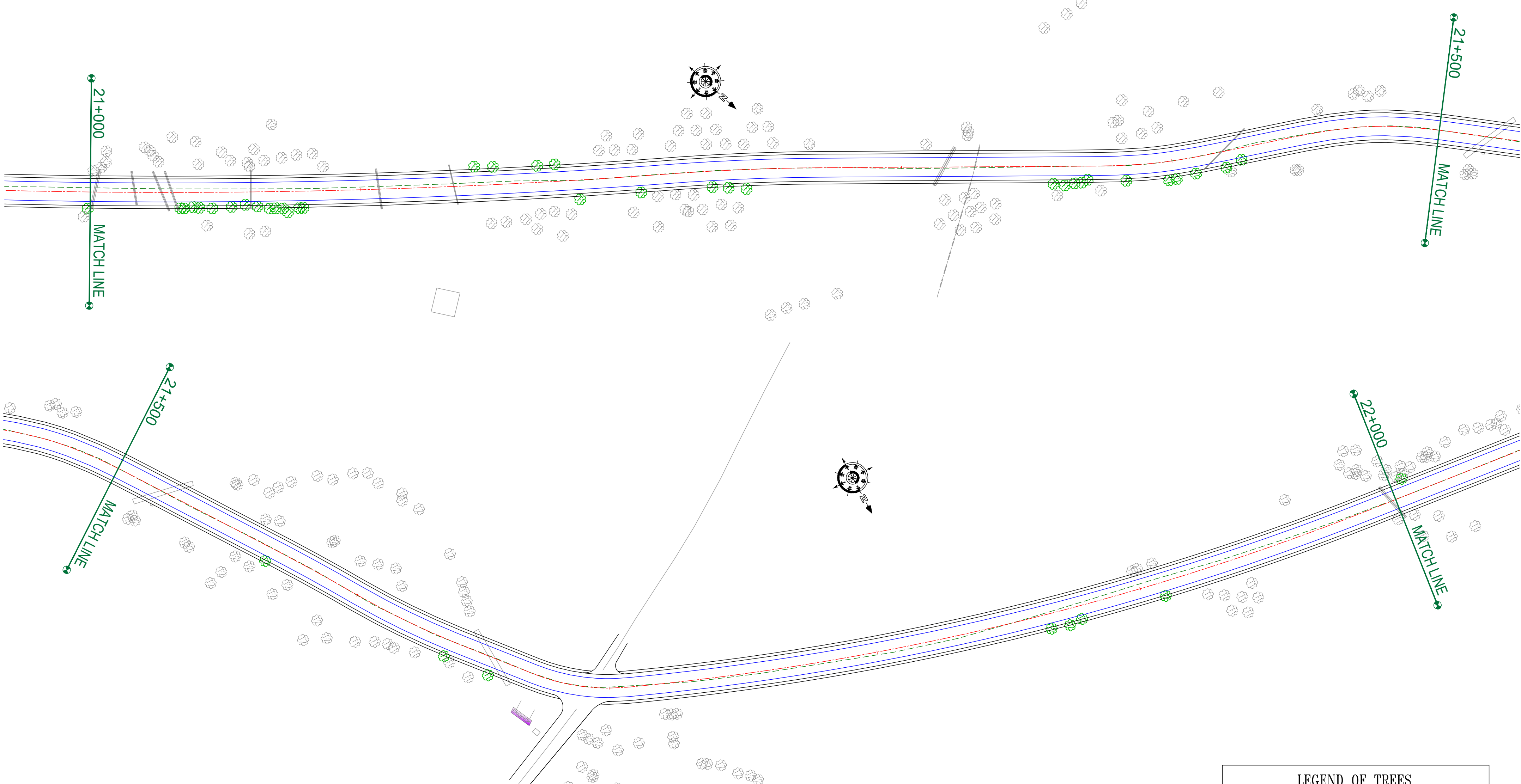
REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	TREE CUTTING (Ch. 19+877 to Ch. 21+000)
DRG. NO. :	EPTISA/JTRFP/DPR/J&K/TC/19
REVISION : R-1	August 2019

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ROAD PARAMETER LEGEND	
EXT. CENTER LINE	---
PROPOSED CARRIAGEWAY	---
PROPOSED CENTER LINE	---
PROPOSED SHOULDER	---

NUMBER OF TREES	SIDE	
	LEFT	RIGHT
T1	04	27
T2	00	10
T3	00	00
T4	00	00

LEGEND OF TREES		
TREE 1 (300 TO 600)	t1	
TREE 2 (600 TO 900)	t2	
TREE 3 (900 TO 1200)	t3	
TREE 4 (1200 TO ABOVE)	t4	

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
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(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



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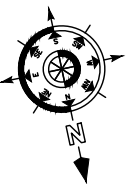
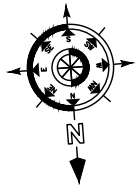
REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	
TREE CUTTING (Ch. 21+000 to Ch. 22+000)	
DRG. NO. :	EPTISA/JTRFP/DPR/J&K/TC/20
REVISION : R-1	August 2019

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ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF TREES	SIDE	
	LEFT	RIGHT
T1	07	20
T2	16	07
T3	00	00
T4	00	00

LEGEND OF TREES		
TREE 1 (∅300 TO ∅600)	t1	
TREE 2 (∅600 TO ∅900)	t2	
TREE 3 (∅900 TO ∅1200)	t3	
TREE 4 (∅1200 TO ABOVE)	t4	



CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
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DESIGN CONSULTANT:



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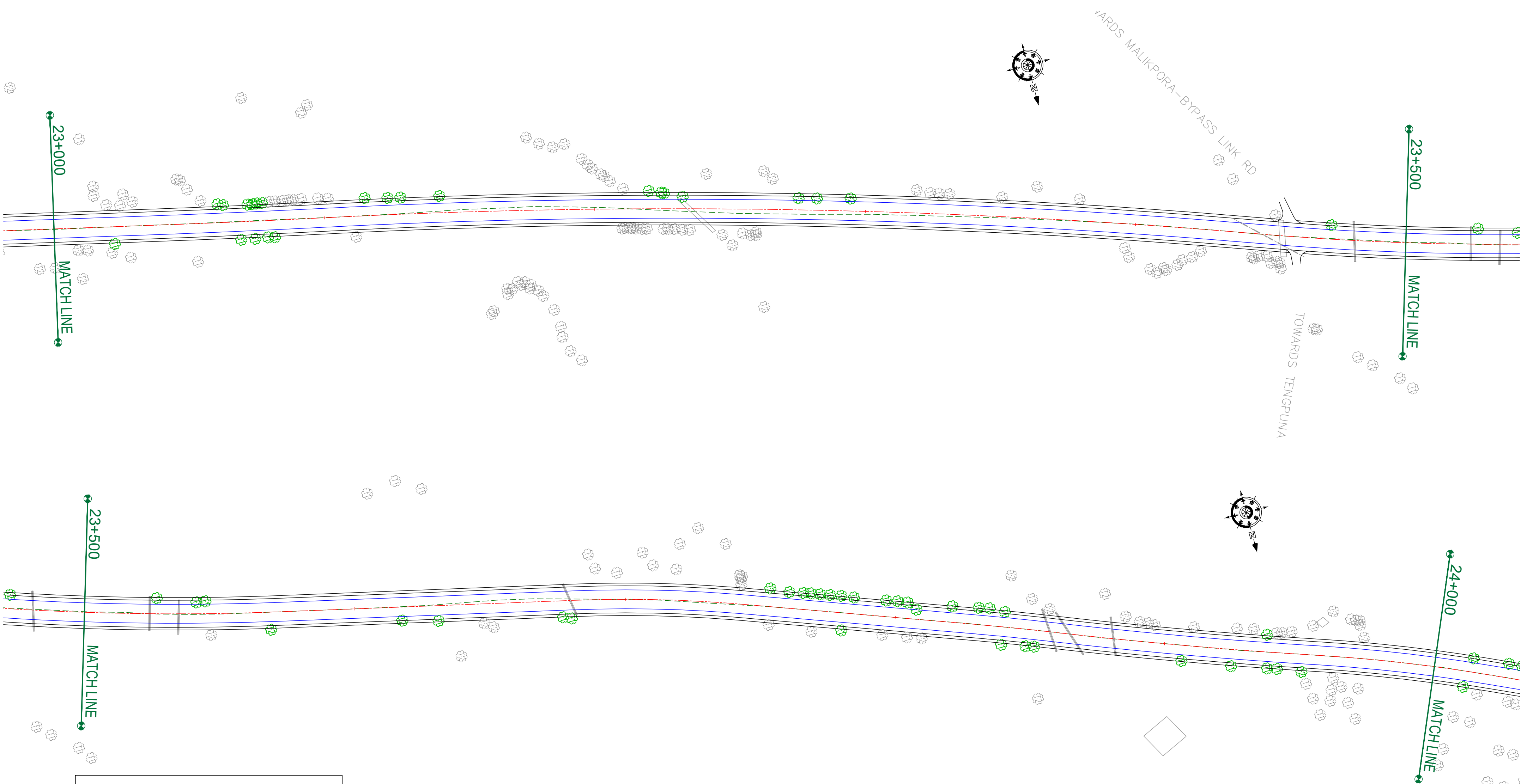
REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	TREE CUTTING (Ch. 22+000 to Ch. 23+000)	
DRG. NO. :	EPTISA/JTRFP/DPR/J&K/TC/21	
REVISION : R-1	August 2019	

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LEGEND OF TREES		
TREE 1 (≤300 TO ≤600)	t1	
TREE 2 (≤600 TO ≤900)	t2	
TREE 3 (≤900 TO ≤1200)	t3	
TREE 4 (≤1200 TO ABOVE)	t4	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF TREES	SIDE	
	LEFT	RIGHT
T1	14	16
T2	24	03
T3	00	00
T4	00	00

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
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DESIGN CONSULTANT:



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REV.	DATE	DESCRIPTION

DRAWN BY : SD

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TITLE :

TREE CUTTING

(Ch. 23+000 to Ch. 24+000)

DRG. NO. : EPTISA/JTRP/DPR/J&K/TC/22

REVISION : R-1

August 2019

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Pulwama →



ROAD PARAMETER LEGEND	
EXT. CENTER LINE	<div></div>
PROPOSED CARRIAGEWAY	<div></div>
PROPOSED CENTER LINE	<div></div>
PROPOSED SHOULDER	<div></div>

NUMBER OF TREES	SIDE	
	LEFT	RIGHT
T1	21	13
T2	18	01
T3	01	01
T4	00	00

LEGEND OF TREES		
TREE 1 (∅300 TO ∅600)	t1	
TREE 2 (∅600 TO ∅900)	t2	
TREE 3 (∅900 TO ∅1200)	t3	
TREE 4 (∅1200 TO ABOVE)	t4	

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:

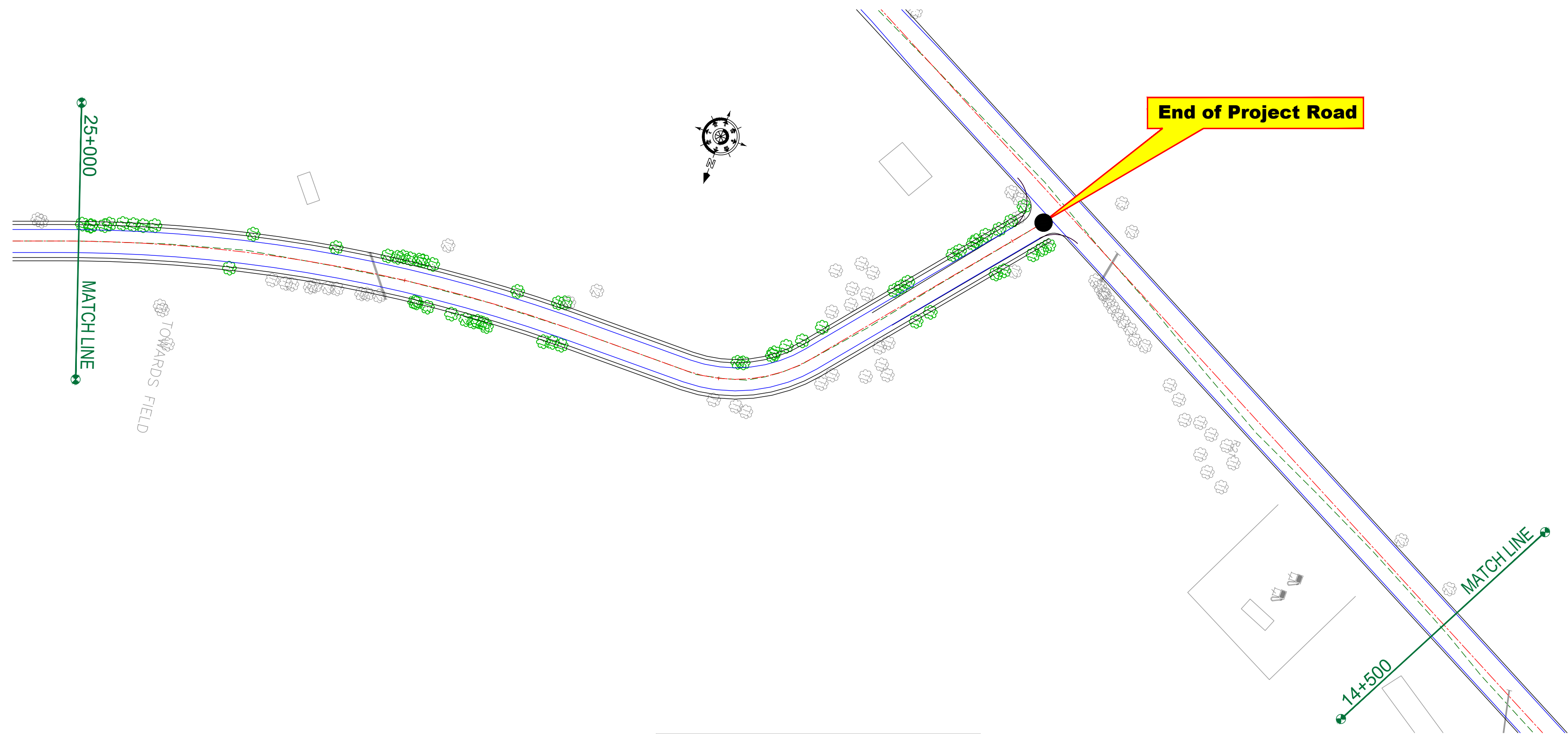


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REV.	DATE	DESCRIPTION

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TITLE :	TREE CUTTING (Ch. 24+000 to Ch. 25+000)	
DRG. NO. :	EPTISA/JTRFP/DPR/J&K/TC/23	
REVISION : R-1	August 2019	



NUMBER OF TREES	SIDE	
	LEFT	RIGHT
T1	20	11
T2	19	08
T3	00	01
T4	00	00

LEGEND OF TREES		
TREE 1 (300 TO 600)	t1	
TREE 2 (600 TO 900)	t2	
TREE 3 (900 TO 1200)	t3	
TREE 4 (1200 TO ABOVE)	t4	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

CLIENT :



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REV.	DATE	DESCRIPTION

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SCALE :	1:1000

TITLE :	TREE CUTTING (Ch. 25+000 to Ch. 25+310)
DRG. NO. :	EPTISA/JTFRP/DPR/J&K/TC/24
REVISION : R-1	August 2019

≡ TREE CUTTING (LINK ROAD) ≡

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Start of Link Road

0+500

MATCH LINE





0+500

MATCH LINE

1+000




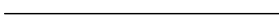
MATCH LINE

LEGEND OF TREES

TREE 1 (300 TO 600)	t1	
TREE 2 (600 TO 900)	t2	
TREE 3 (900 TO 1200)	t3	
TREE 4 (1200 TO ABOVE)	t4	

NUMBER OF TREES	SIDE	
	LEFT	RIGHT
T1	02	08
T2	03	00
T3	00	00
T4	00	00

ROAD PARAMETER LEGEND

EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

CLIENT :



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REV.	DATE	DESCRIPTION
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DESIGNED BY : SCK/MM

APPROVED BY : KG

SCALE : 1:1000

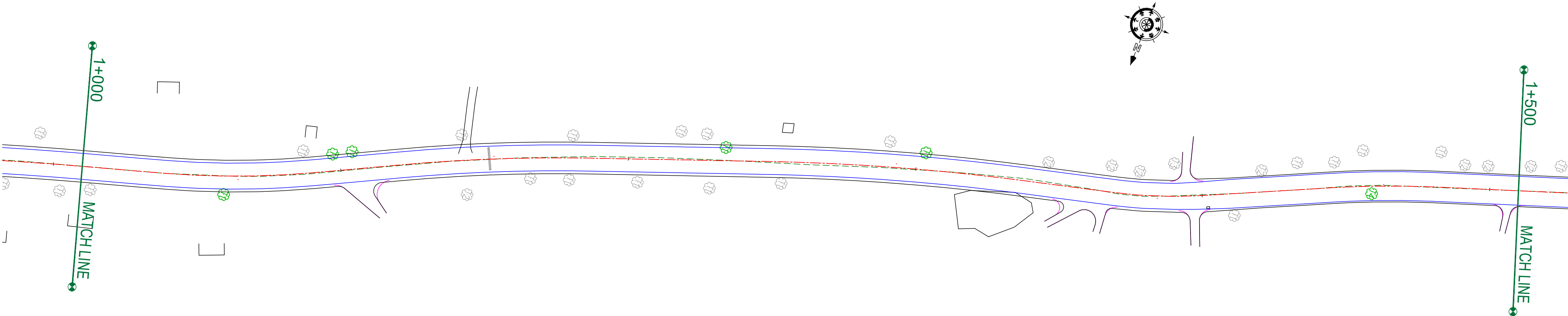
TITLE :

Tree Cutting (Link Road)
(Ch. 0+000 to Ch. 1+000)

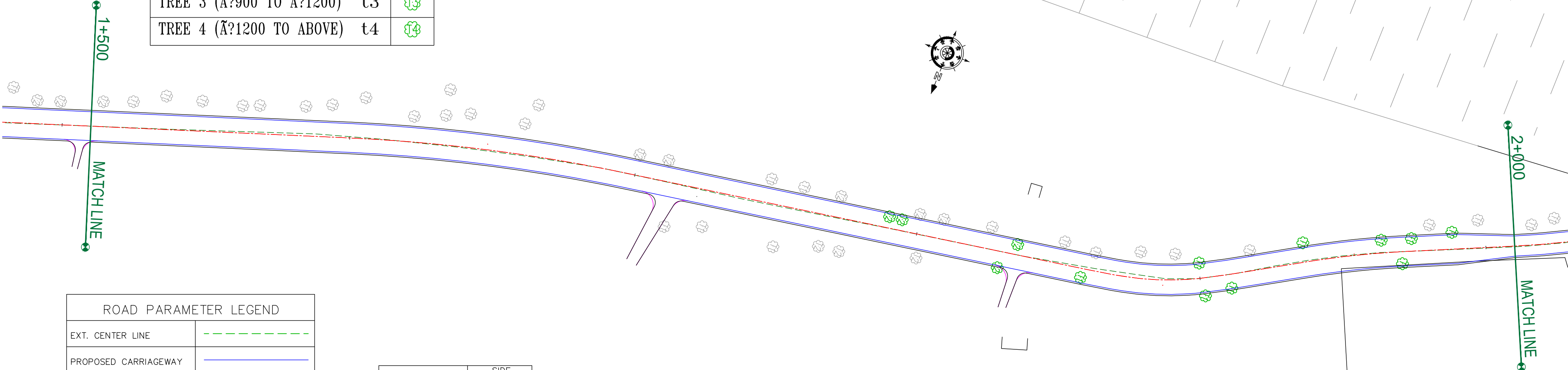
DRG. NO. : EPTISA/JTRFP/DPR/J&K/TC/01

REVISION : R-1

August 2019



LEGEND OF TREES		
TREE 1 (Ø300 TO Ø600)	t1	
TREE 2 (Ø600 TO Ø900)	t2	
TREE 3 (Ø900 TO Ø1200)	t3	
TREE 4 (Ø1200 TO ABOVE)	t4	



ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF TREES	SIDE	
	LEFT	RIGHT
T1	09	05
T2	03	01
T3	00	00
T4	00	01

CLIENT :



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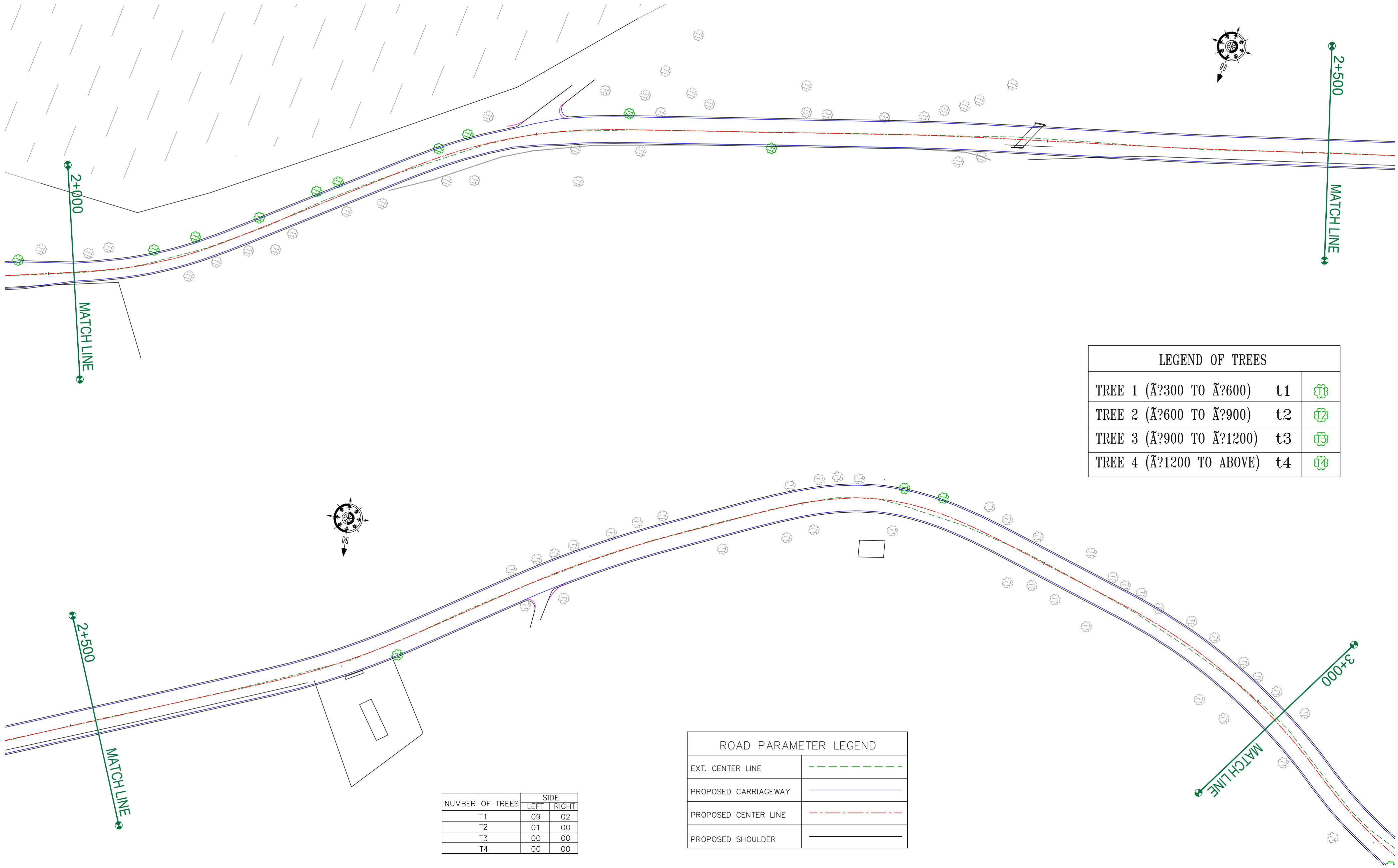
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APPROVED BY :	KG
SCALE :	1:1000

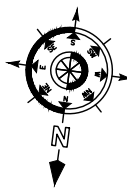
TITLE :	Tree Cutting (Link Road) (Ch. 1+000 to Ch. 2+000)
DRG. NO. :	EPTISA/JTFRP/DPR/J&K/TC/02
REVISION : R-1	August 2019

← Pampore

Pulwama →



LEGEND OF TREES		
TREE 1 (≤300 TO ≤600)	t1	
TREE 2 (≤600 TO ≤900)	t2	
TREE 3 (≤900 TO ≤1200)	t3	
TREE 4 (≤1200 TO ABOVE)	t4	



NUMBER OF TREES	SIDE	
	LEFT	RIGHT
T1	09	02
T2	01	00
T3	00	00
T4	00	00

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

CLIENT :



Jhelum Tawi Flood Recovery Project
2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

Consultancy Services for Preparing Detailed Project Report
for the Road and Bridge works in Jammu and Kashmir
(Pampore Pulwama Road in Pulwama District)

DESIGN CONSULTANT:



servicios de Ingenieria S.L.
Unit 1203, 12th Floor, Tower 1, PS Srijan
Corporate Park, Plot No. 2, Block EP & GP,
Sector v, Salt Lake Kolkata - 700091,
West Bengal
Ph: 033-40347200
www.eptisa.com

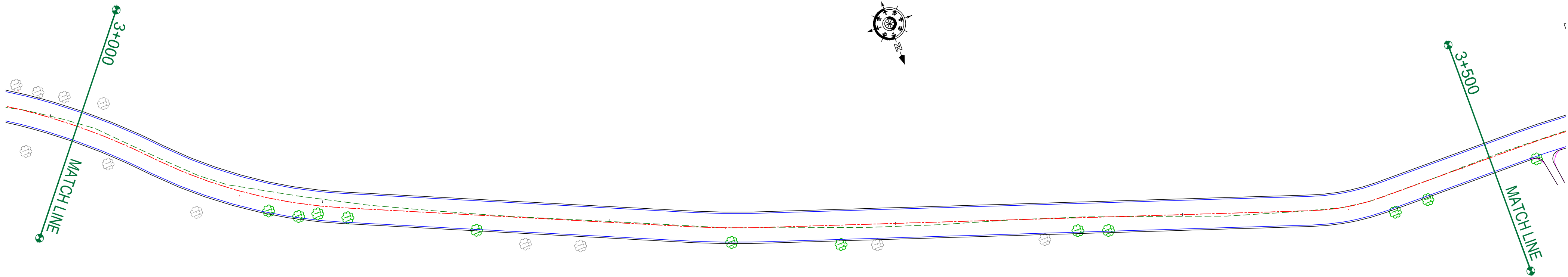
REV.	DATE	DESCRIPTION

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE :	Tree Cutting (Link Road) (Ch. 2+000 to Ch. 3+000)	
DRG. NO. :	EPTISA/JTRFP/DPR/J&K/TC/03	
REVISION : R-1	August 2019	

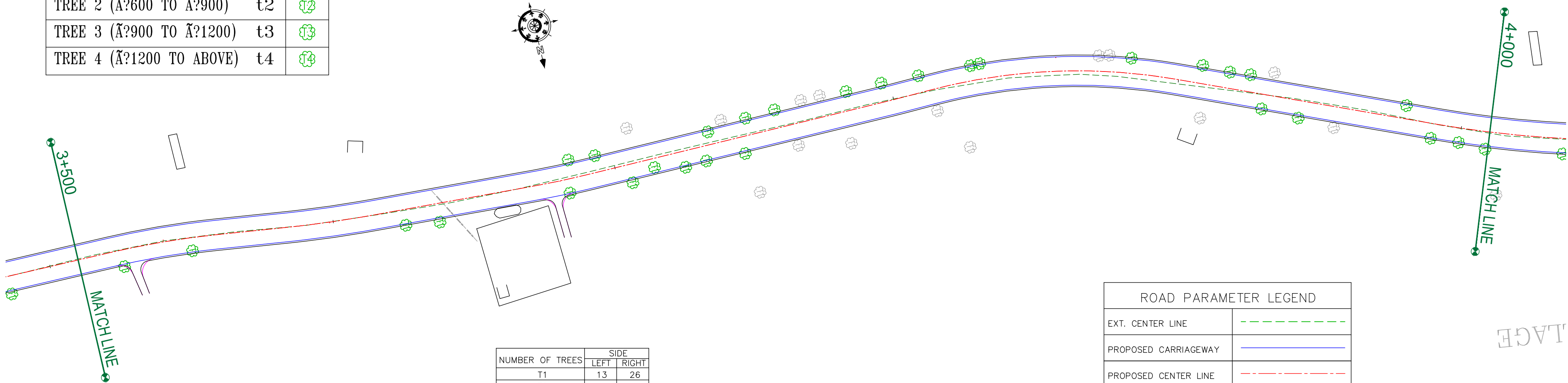
← Pampore

Pulwama →



LEGEND OF TREES

TREE 1 (300 TO 600)	t1	
TREE 2 (600 TO 900)	t2	
TREE 3 (900 TO 1200)	t3	
TREE 4 (1200 TO ABOVE)	t4	



NUMBER OF TREES	SIDE	
	LEFT	RIGHT
T1	13	26
T2	02	00
T3	00	00
T4	00	00

ROAD PARAMETER LEGEND

EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

CLIENT :



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REV.	DATE	DESCRIPTION
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DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

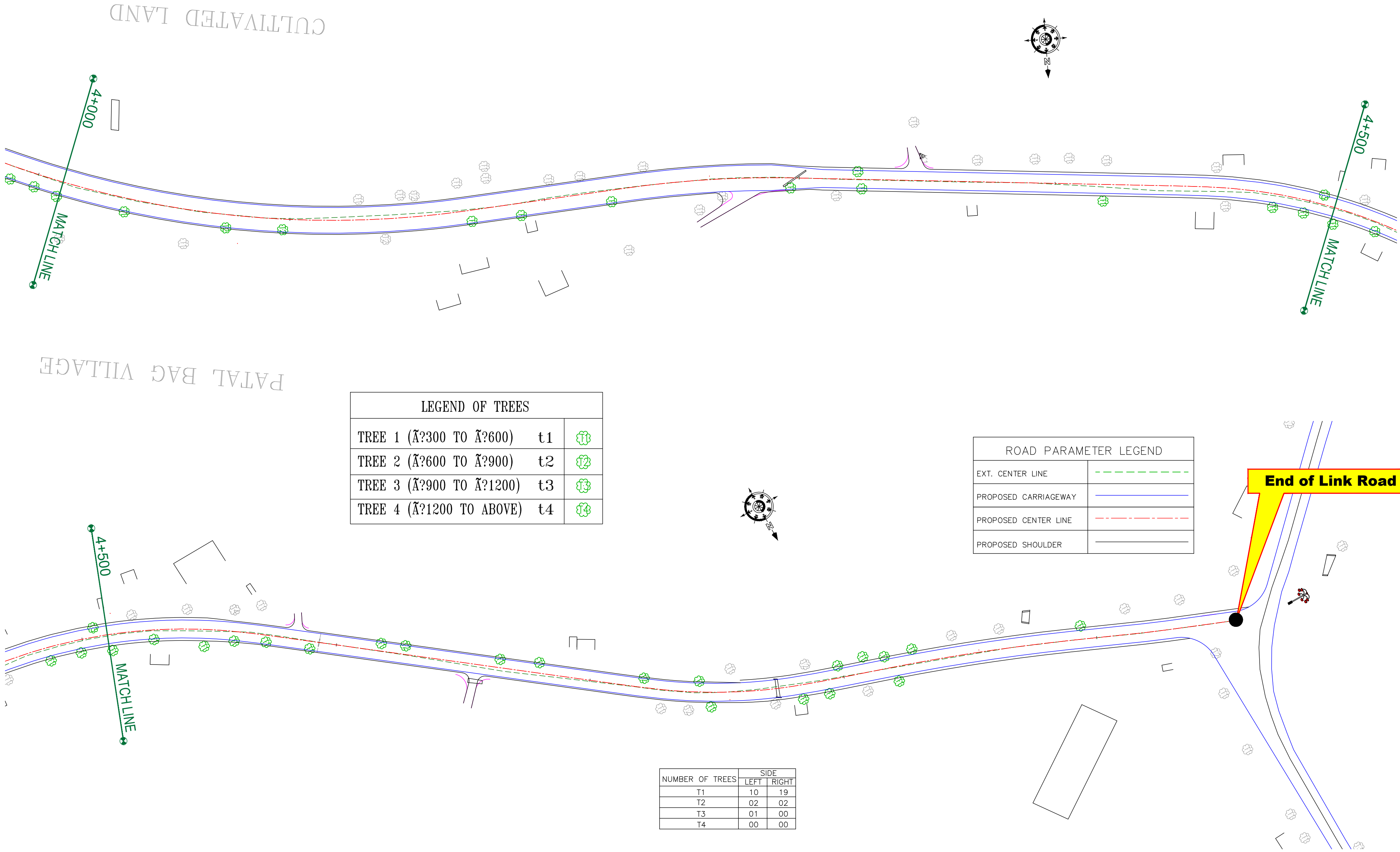
TITLE : Tree Cutting (Link Road)
(Ch. 3+000 to Ch. 4+000)

DRG. NO. : EPTISA/JTRFP/DPR/J&K/TC/04

REVISION : R-1 August 2019

← Pampore

Pulwama →



LEGEND OF TREES		
TREE 1 (≤300 TO ≤600)	t1	
TREE 2 (≤600 TO ≤900)	t2	
TREE 3 (≤900 TO ≤1200)	t3	
TREE 4 (≤1200 TO ABOVE)	t4	

ROAD PARAMETER LEGEND	
EXT. CENTER LINE	
PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED SHOULDER	

NUMBER OF TREES	SIDE	
	LEFT	RIGHT
T1	10	19
T2	02	02
T3	01	00
T4	00	00

CLIENT :



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REV.	DATE	DESCRIPTION
------	------	-------------

DRAWN BY :	SD
DESIGNED BY :	SCK/MM
APPROVED BY :	KG
SCALE :	1:1000

TITLE : Tree Cutting (Link Road)
(Ch. 4+000 to Ch. 5+000)

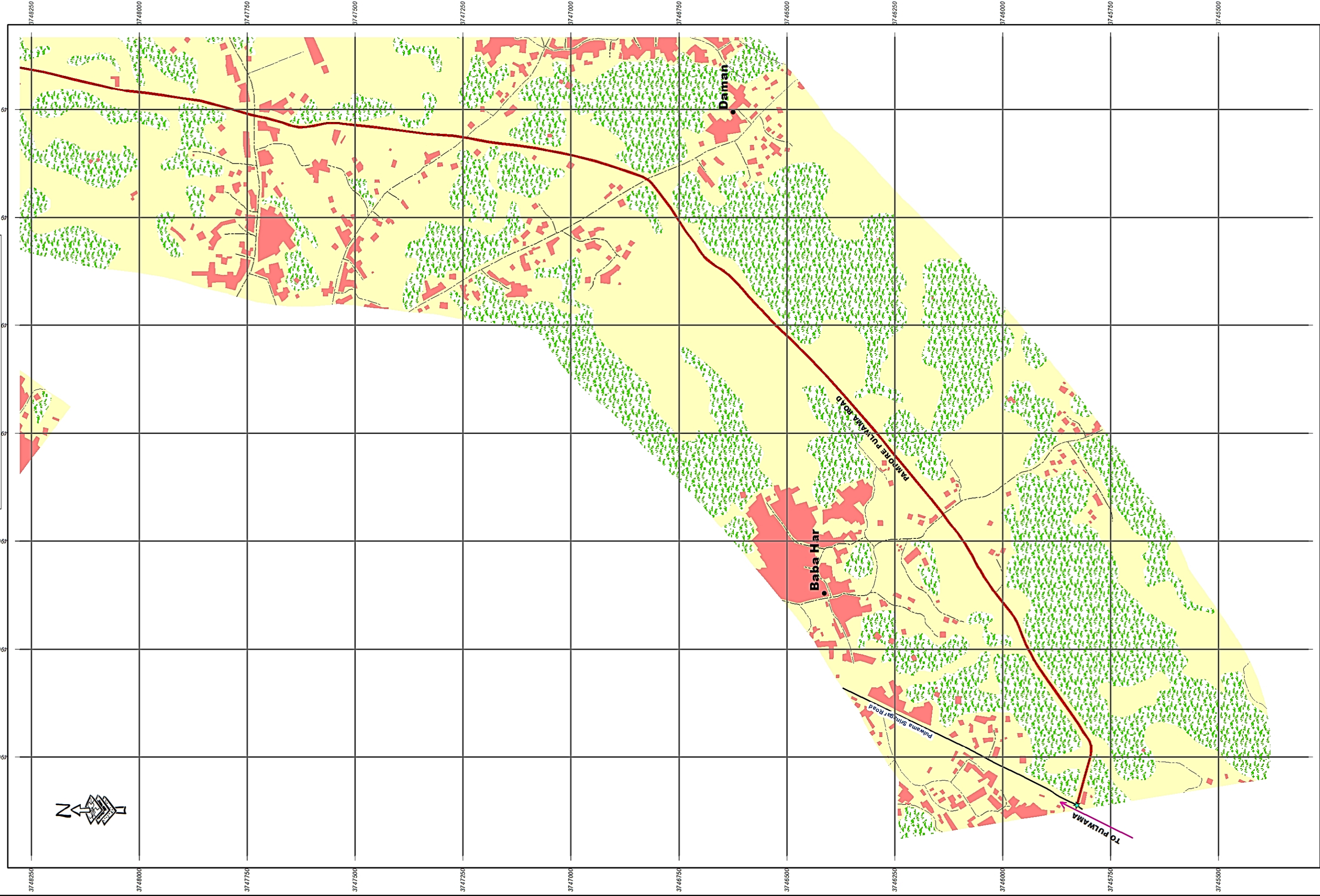
DRG. NO. : EPTISA/JTRFP/DPR/J&K/TC/05

REVISION : R-1

August 2019

≡ MISCELLANEOUS DRAWINGS ≡

PAMPORE PULWAMA ROAD

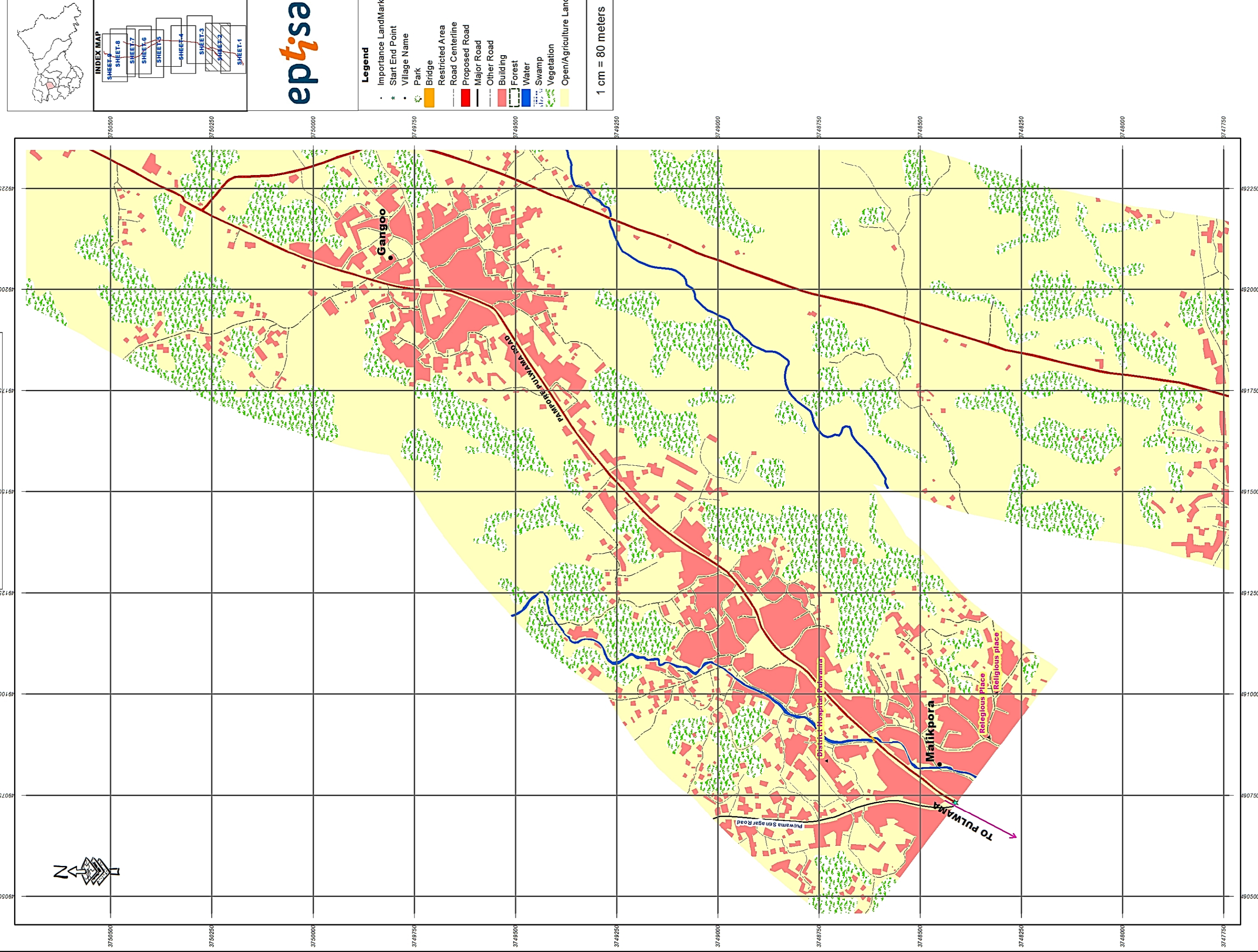


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- Legend**
- Importance LandMark
 - Start End Point
 - Village Name
 - Park
 - Bridge
 - Restricted Area
 - Road Centerline
 - Proposed Road
 - Major Road
 - Other Road
 - Building
 - Forest
 - Water
 - Swamp
 - Vegetation
 - Open/Agriculture Land

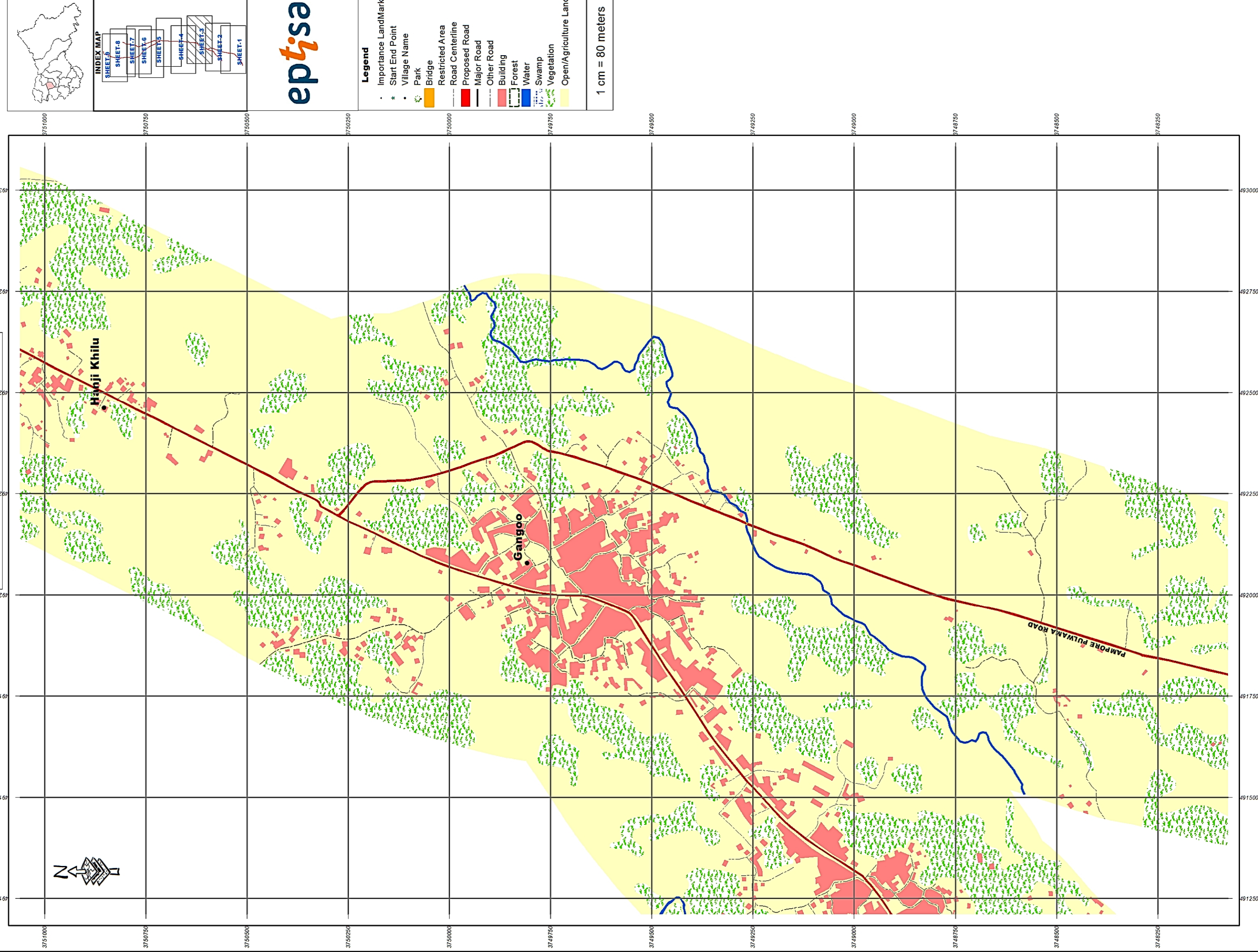
1 cm = 80 meters

PAMPORE PULWAMA ROAD



Project: JHELM TAWI FLOOD RECOVERY PROJECT **Sub-Project:** FOR RECONSTRUCTION OF PAMPORE PULWAMA ROAD
Agency: PROJECT MANAGEMENT UNIT JTFRP UNDER KASHMIR DIVISION

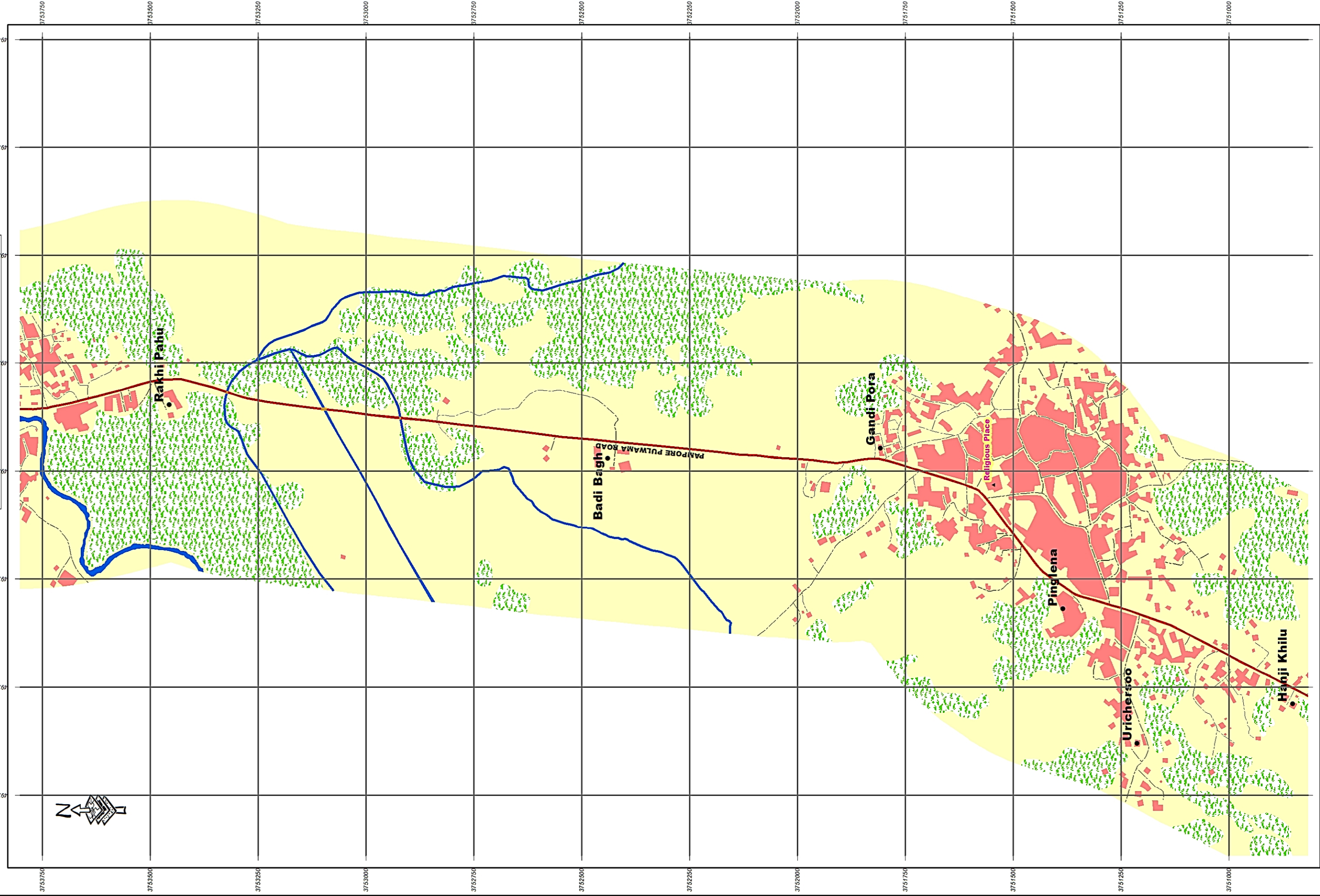
PAMPORE PULWAMA ROAD



Project: JHELUM TAWI FLOOD RECOVERY PROJECT **Sub-Project:** FOR RECONSTRUCTION OF PAMPORE PULWAMA ROAD UNDER KASHMIR DIVISION

Agency: PROJECT MANAGEMENT UNIT JTRP

PAMPORE PULWAMA ROAD



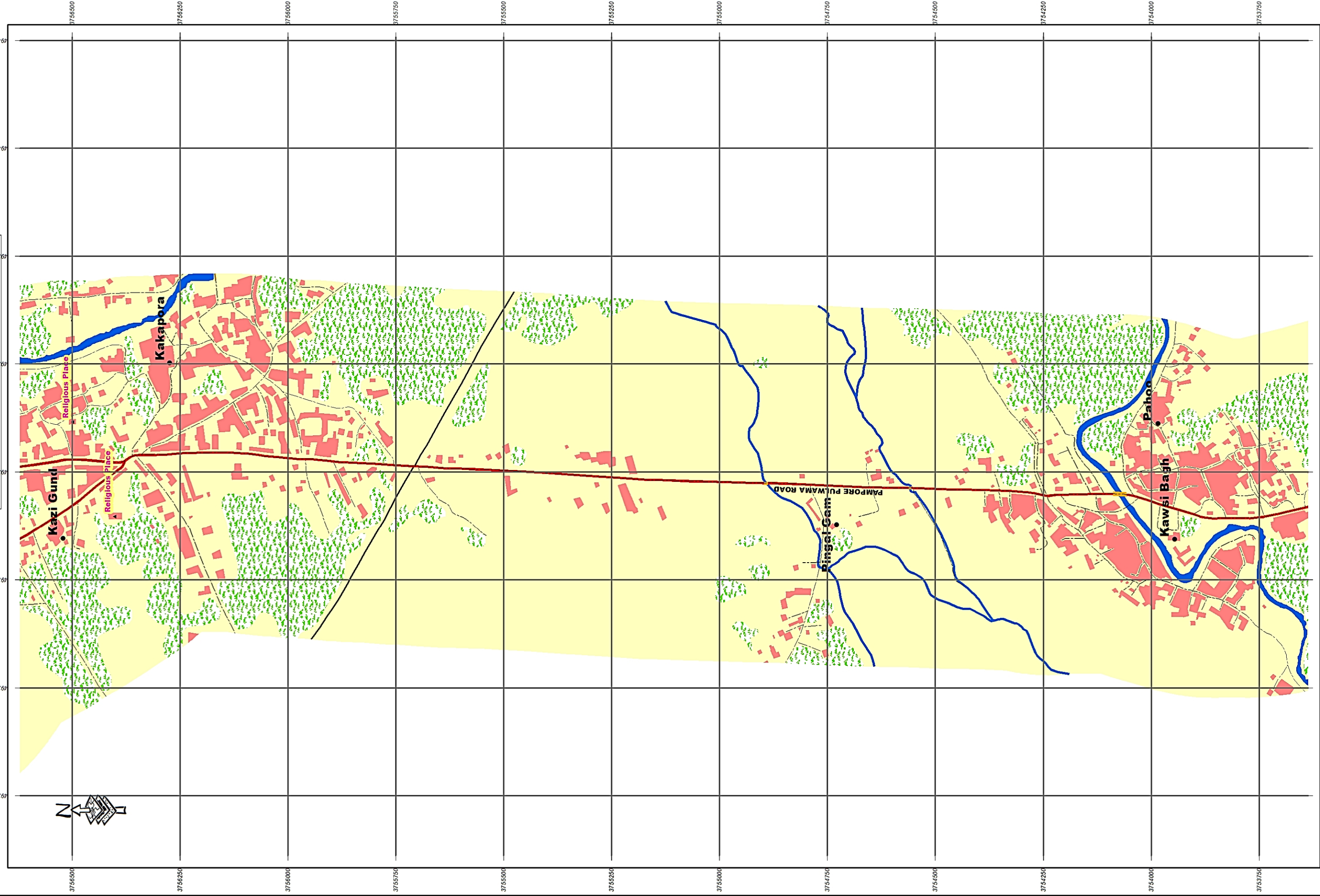
Project: JHELUM TAWI FLOOD RECOVERY PROJECT

Sub-Project:

FOR RECONSTRUCTION OF
PAMPORE PULWAMA ROAD
UNDER KASHMIR DIVISION

Agency: PROJECT MANAGEMENT UNIT JTRFP

PAMPORE PULWAMA ROAD

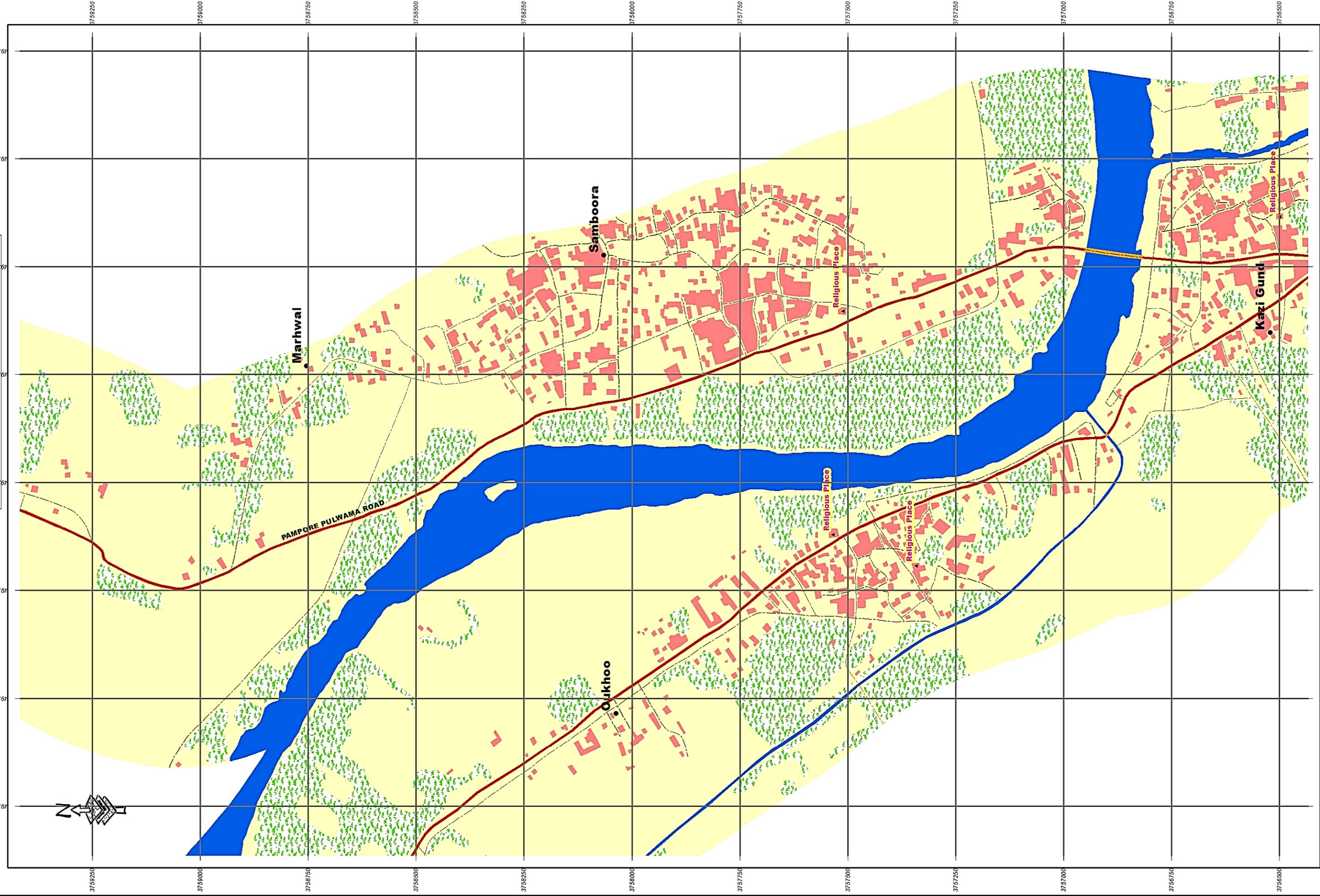


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Legend	
•	Importance LandMark
★	Start End Point
•	Village Name
○	Park
■	Bridge
■	Restricted Area
---	Road Centerline
■	Proposed Road
---	Major Road
---	Other Road
■	Building
■	Forest
■	Water
■	Swamp
■	Vegetation
■	Open/Agriculture Land

1 cm = 80 meters

PAMPORE PULWAMA ROAD



INDEX MAP

SHEET-8

SHEET-7

SHEET-6

SHEET-5

SHEET-4

SHEET-3

SHEET-2

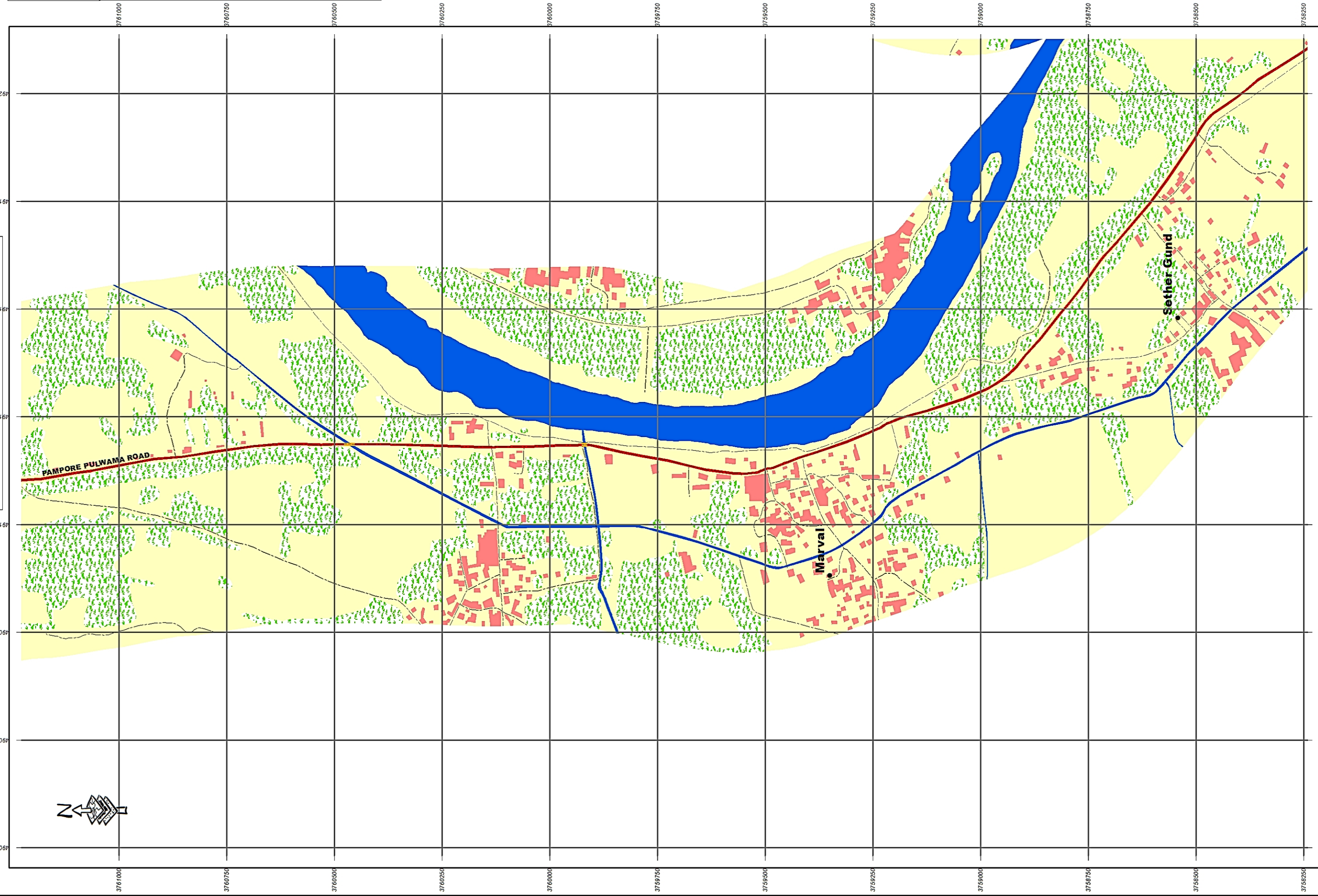
SHEET-1

Legend

- Importance LandMark
- Start End Point
- Village Name
- Park
- Bridge
- Restricted Area
- Road Centerline
- Proposed Road
- Major Road
- Other Road
- Building
- Forest
- Water
- Swamp
- Vegetation
- Open/Agriculture Land

1 cm = 80 meters

PAMPORE PULWAMA ROAD



INDEX MAP

SHEET-9

SHEET-8

SHEET-7

SHEET-6

SHEET-5

SHEET-4

SHEET-3

SHEET-2

SHEET-1

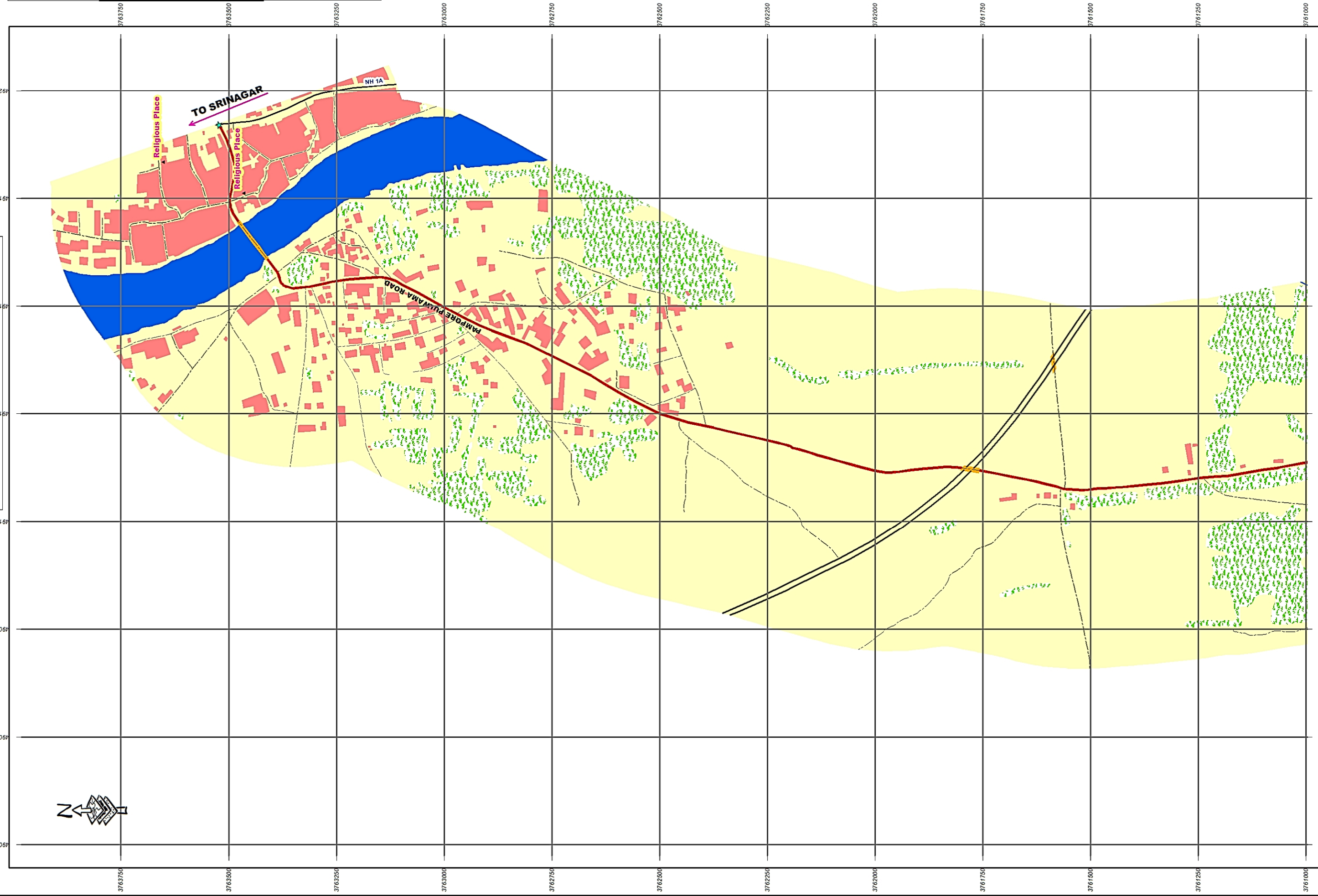
Legend

- Importance LandMark
- Start End Point
- Village Name
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1 cm = 80 meters

Project: JHELUM TAWI FLOOD RECOVERY PROJECT **Sub-Project:** FOR RECONSTRUCTION OF PAMPORE PULWAMA ROAD
Agency: PROJECT MANAGEMENT UNIT JTRFP UNDER KASHMIR DIVISION

PAMPORE PULWAMA ROAD



Legend

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||| CULVERT DRAWINGS |||

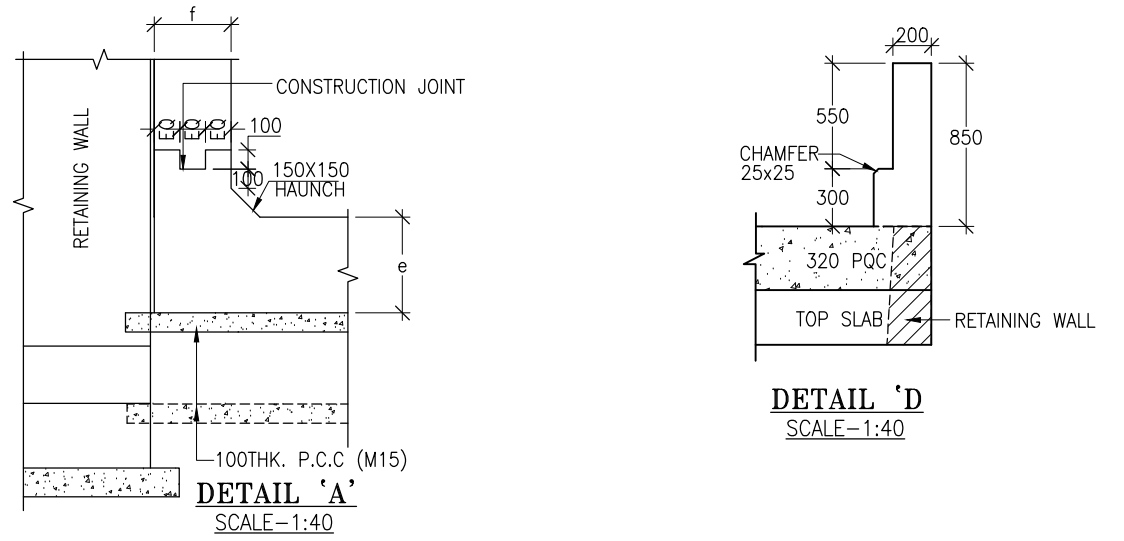
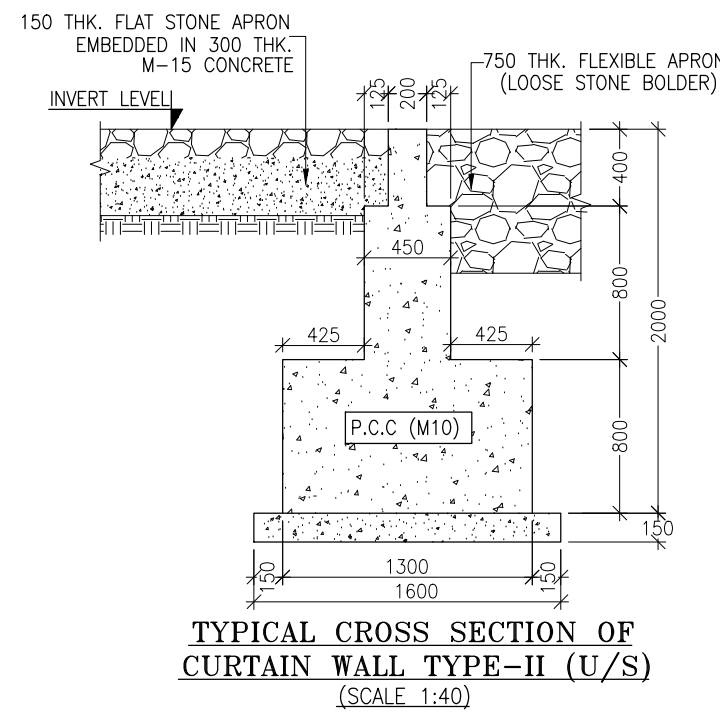
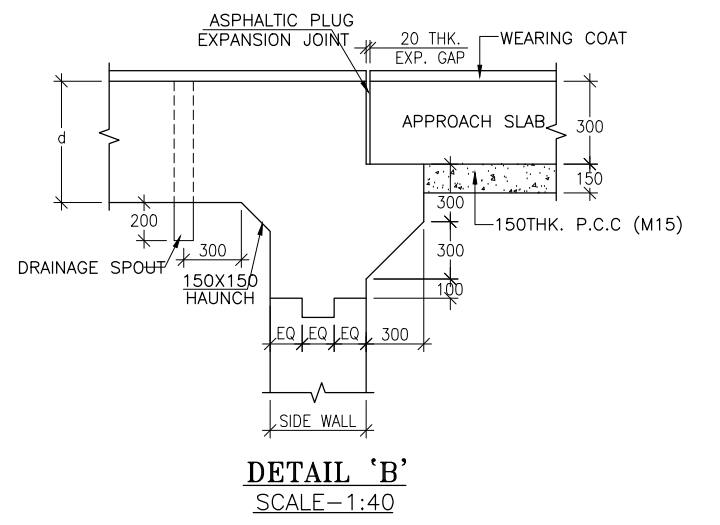
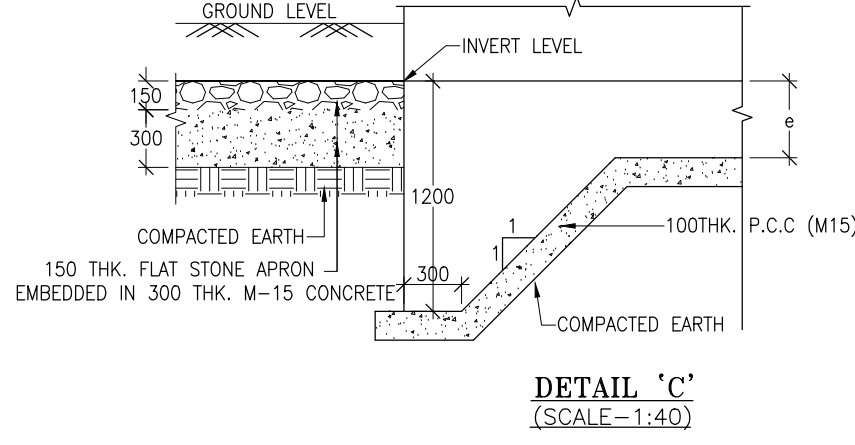
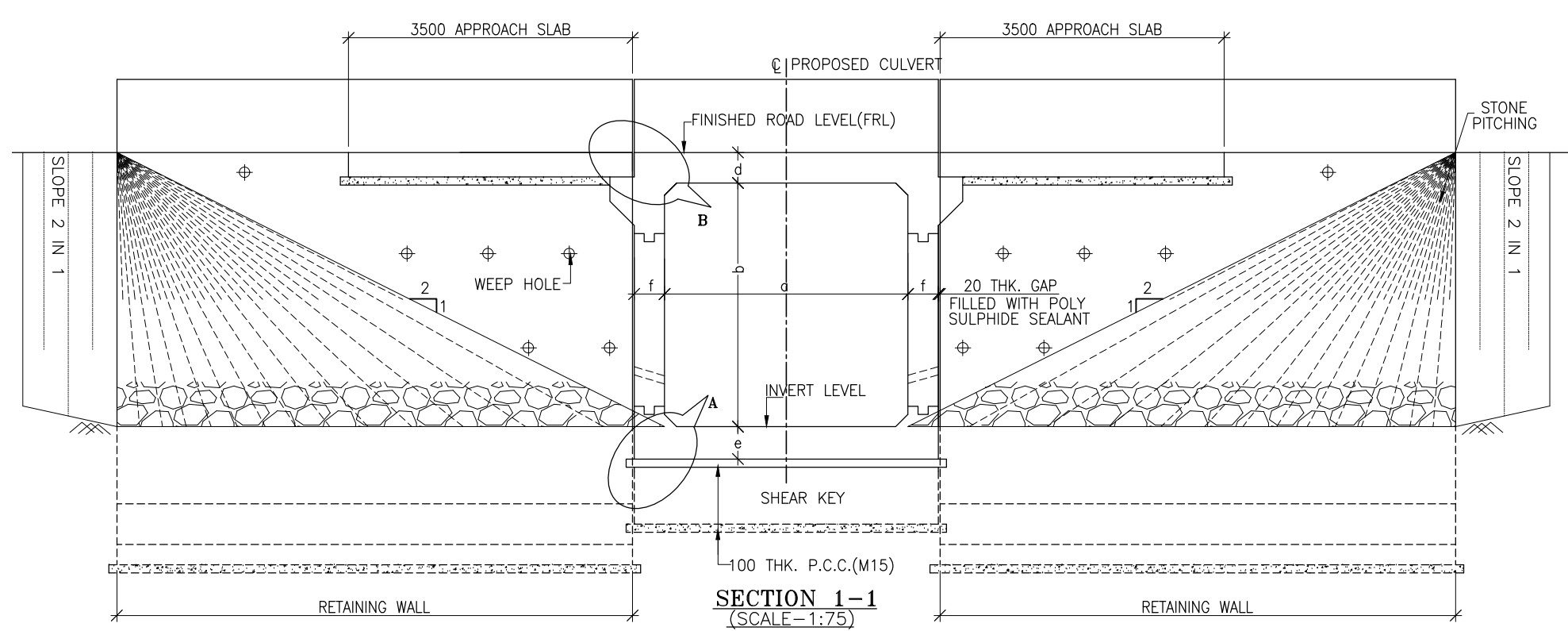
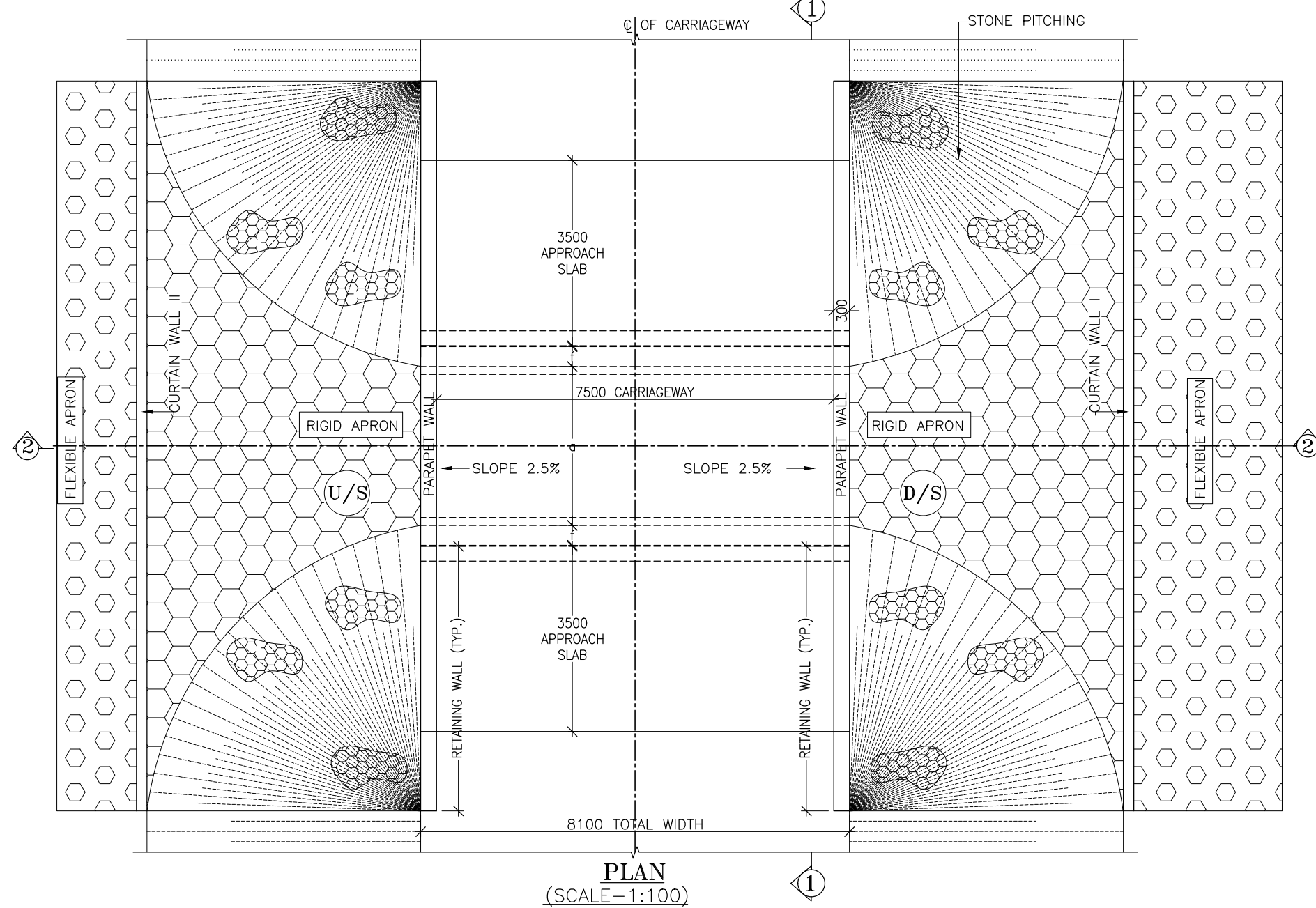
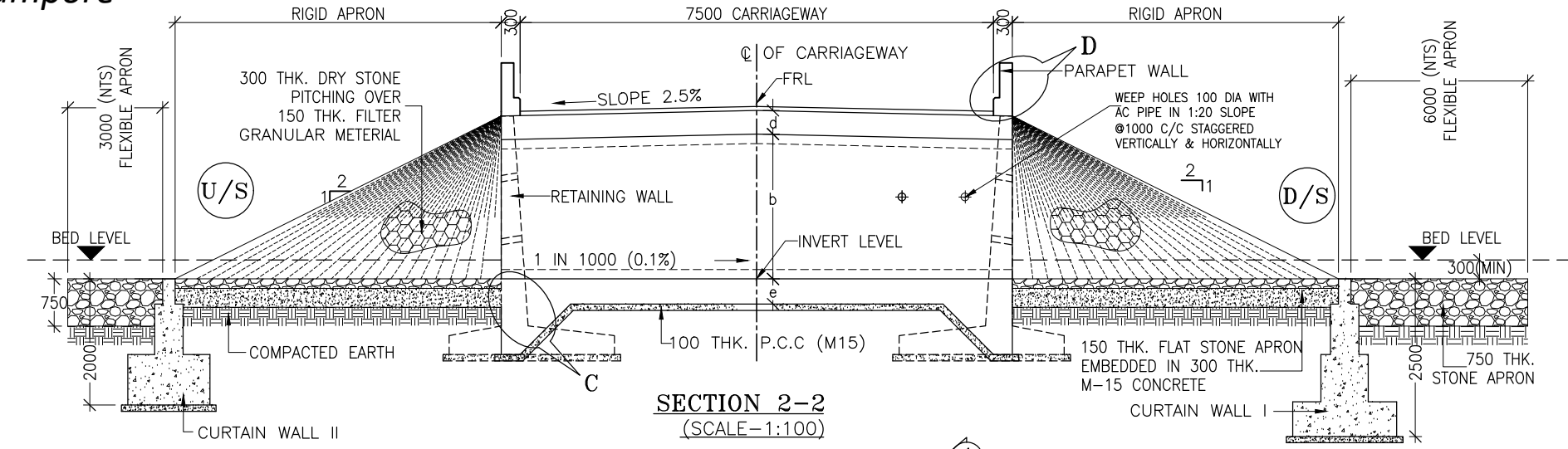
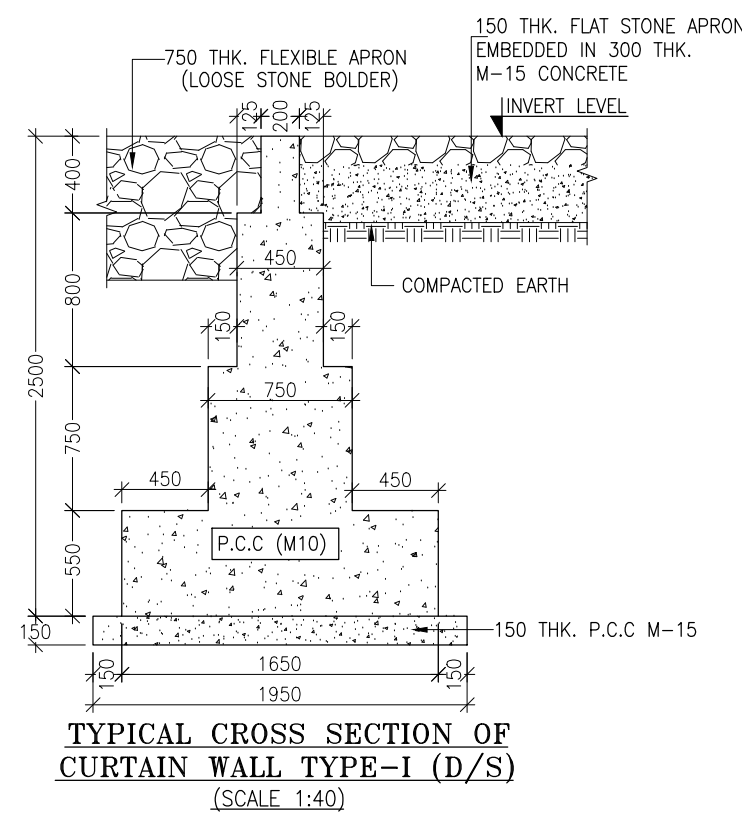


TABLE SHOWING SILENT DIMENSIONS						
BOX CELL DESIGNATION	a (mm)	b (mm)	d (mm)	e (mm)	f (mm)	
1/22/0	2000	2000	350	380	350	

- NOTES:-**
- ALL DIMENSIONS ARE IN MILLIMETRES, LEVELS ARE IN METRES AND CHAINAGES ARE IN KILOMETRES, UNLESS OTHERWISE MENTIONED. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE RELEVANT ROAD PLAN AND PROFILE DRAWING.
 - THE STRUCTURE IS DESIGNED FOR LIVE LOAD COMBINATION OF 3 LANE CLASS A OR 1-LANE OF 70 R+1-LANE OF CLASS A, WHICHEVER PRODUCES SEVERE.
 - GRADE OF CONCRETE FOR VARIES ELEMENTS SHALL BE AS FOLLOWS:
a) RCC BOX.....M35
b) RCC RETAINING WALL.....M35
c) PCC LEVELLING COURSE.....M15
d) PCC CURTAIN WALL.....M20
e) PARAPET WALL.....M35
 - GRADE OF STEEL SHALL BE Fe-500 (H.Y.S.D. REBAR CONFORMING TO IS-1786)
 - BACK FILLING BEHIND THE STRUCTURE SHALL CONSIST OF SELECTED EARTH CONFORMING TO APPENDIX 6 OF IRC:78-2014 HAVING PROPERTIES $\phi < 30^\circ$, $C=0$, $\gamma = 2.0T/M^3$
 - COMPRESSIBLE FILLER BOARD SHALL BE PROVIDED IN ALL EXPANSION GAPS AND SEALED WITH POLY-SULPHIDE SEALANT.
 - FOUNDATION OF BOX SHALL BE PLACED OVER A FIRM STRATA HAVING BEARING CAPACITY EQUAL TO $12T/M^2$ IN GENERAL. IF THE MATERIAL ENCOUNTERED IS SOFT, SPONZY OR OTHER UNSUITABLE SOIL, SUCH UNSUITABLE MATERIAL SHALL BE TOTALLY REMOVED TO SUCH DEPTH, WIDTH & LENGTH, AS DIRECTED BY THE ENGINEER. THE EXCAVATED AREA SHALL BE BACKFILLED WITH APPROVED GRANULAR MATERIAL & THOROUGHLY COMPACTED UP TO THE SPECIFIED LEVEL.
 - 600MM THICK FILTER MEDIA SHALL BE PROVIDED BEHIND SIDE WALLS AND WING WALLS AS PER IR:78-2014.
 - ALL THE LEVELS AND CAMBERS TO BE VERIFIED WITH RESPECT TO PLAN & PROFILE DRAWINGS BEFORE EXCAVATION. ANY DISCREPANCY NOTED SHOULD BE REPORTED TO THE DESIGN ENGINEER IMMEDIATELY.
 - BACK FILLING BEHIND WALLS SHALL BE DONE SIMULTANEOUSLY ON EITHER SIDE OF THE STRUCTURE WITH HEIGHT DIFFERENCE NOT MORE THAN 1.0M. BACK FILLING SHALL BE DONE ONLY AFTER THE TOP SLAB IS CONCRETED AND CURED FOR 14 DAYS.
 - SPRADING & COMPACTED OF SAND WILL BE DONE IN ACCORDANCE WITH CLAUSE 401.3.2 OF SPECIFICATION FOR ROAD & BRIDGE WORKS BY MINISTRY OF ROAD TRANSPORT & HIGHWAY



CLIENT :



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2nd Floor ERA Commercial Complex Rambagh
Srinagar-190 009.

PROJECT :

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DESIGN CONSULTANT:

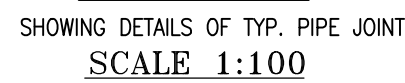


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www.eptisa.com

REV.	DATE	DESCRIPTION

DRAWN BY :	PD
DESIGNED BY :	SD
APPROVED BY :	KG
SCALE :	AS SHOWN

TITLE :	TYPICAL GENERAL ARRANGEMENT DRAWING FOR SINGLE BOX CULVERT
DRG. NO. :	EPTISA/JTRP/DPR/J&K/BOX/GAD/01
REVISION : R-1	August 2019



1. ALL DIMENSIONS ARE IN mm, EXCEPT OTHERWISE MENTIONED.
2. NO DIMENSION SHALL BE SCALED ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
3. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ROAD DRAWINGS. FRL & CAMBER / SUPER ELEVATION AT PARTICULAR LOCATION SHALL BE VERIFIED WITH THE HIGHWAY DWG. DISCREPANCY, IF ANY, IS TO BE IMMEDIATELY BROUGHT TO THE NOTICE OF ENGINEER FOR NECESSARY MODIFICATION IN THE DRAWING.
4. HUME PIPE (NP4 TYPE), SHALL CONFORM TO IS : 458-2003.
5. COMPACTED GRANULAR BED SHALL CONFORM TO MORT&H SPECIFICATION CLAUSE NO.2904.
6. LONGITUDINAL SLOPE OF WIDENED PIPE SHALL BE 1 : 1000 (MIN.)
7. LENGTH, LOCATION, ORIENTATION & INVERT LEVEL OF PIPE CULVERT SHALL BE ADJUSTED TO SUIT SITE CONDITION AND AS APPROVED BY THE ENGINEER.
8. TRENCHES SHALL BE BACKFILLED IMMEDIATELY AFTER THE PIPES HAVE BEEN LAID AND THE JOINTING MATERIAL HAS HARDENED.
9. PIPE SHALL BE JOINTED BY FLUSH JOINT METHOD AS PER THE DETAILS GIVEN IN SECTION 2906 OF MORT&H SPECIFICATIONS OF ROAD & BRIDGE WORKS.
10. FLOOR APRON SHALL BE PROVIDED AT NON-IRRIGATION CROSS DRAINAGE WORKS ONLY.