

GANGA EXPRESSWAY - PROJECT COMPLETION SCHEDULE - PACKAGE I

Sl. No	PROJECT MILE STONE	PERIOD (IN MONTHS STARTING FROM DATE OF SIGNING OF CONCESSION AGREEMENT)																																																												
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	
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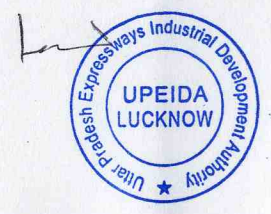


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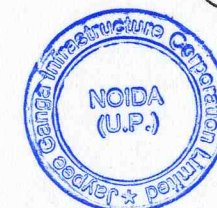
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PROPOSED LAND ASSEMBLIES AND RELATED CIRCLE RATES

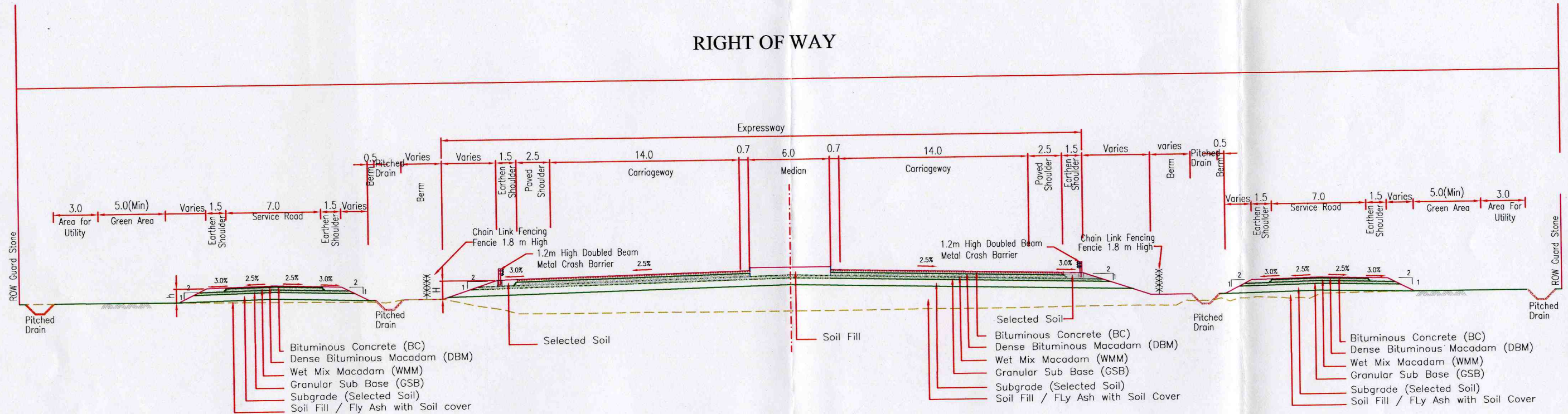
PACKAGE NO.	NAME OF DISTRICT	LOCATION	TOTAL LAND (Ha)	AGRICULTURAL LAND (Ha)	WASTE LAND (Ha)	AV. CIRCLE RATE (Rs.lakhs/Ha)	VALUE OF LAND (Rs.in lakhs)	DISTANCE (kms)			REMARKS	AREA OF LAND TO BE GIVEN TO COESSIONAIRE IN Ha	VALUE OF LAND (IN Rs. LAKHS)
								NH	SH	ALIGNMENT			
	Bulandshahar	1. Sikhandrabad	1938	1521	417	11.77	22810.26	-		0-5	multicropping	1050	12358.50
		2. Dibai	3411	3102	309	10.57	36054.27	-	2-6	0.5-3	multicropping		
		3. Shikarpur	1385	1195	191	8.58	11883.3	-	1-7	0.5-3			
		Sub Total	6734	5818	917		70747.83					1050	12358.50
Package I	Badaun	1. Gunnaur	1620	1620	0	5.0	8100	10	2-4	15-20	No wasteland		
Greater Noida		2. Sahaswan	1107	908	67	10.03	11103.21	0	7-13	15-20	Includes 132 Ha of forest land		
to Fathehagarh		3. Badaun	1350	350	575	4.74	6399.00	9-11	9-11	1	Includes 425 Ha of forest land		
Link - 1 included		4. Dataganj	2003	1808	195	7.51	15042.53	40	15	1.5-2.5			
(253 KMS)		Sub Total	6080	4686	837		40644.74						
	Etah	1. Patiyali	8041	5179	2862	0.23	1849.43				monocropping, 60% Area flood prone	8041	1849.43
		Sub Total	8041	5179	2862		1849.43					8041	1849.43
	Farrukhabad	1. Amritpur	2024	1938	86	3.0	6072	-	2-13	1	two cropping inhabited		
		2. Amritpur	2026	1963	63	3.0	6078	-	7-16	1	two cropping inhabited		
		Sub Total	4050	3901	149		12150						
		Total I	24905	19584	4765		125392					9091	14207.93
	Hardoi	1. Sawaijpur	2002	2002	0	3.7	7407.4	30-35		adj.	108 Ha multicropping, Area does not include forest land of 712 Ha		
		2. Bilgram	2337	2337	0	3.8	8880.6	10-28	0-6	adj.	1406 Ha multicropping, Area does not include forest land of 125 Ha		
		Sub Total	4339	4339	0		16288						
Package II	Unnao	1. Unnao Sadar	2995	2995	0	2.04	6109.8	11-29	8-18	6	single cropping	1200	2448.00
Fathehgarh to		2. Safipur	1978	1600	378	2.99	5914.22	-	1-7	3	single/two cropping		
Dalmau		Sub Total	4973	4595	378		12024.02					1200	2448.00
(Raibareilly): Link	Raibareilly	1. Uchahar	5960	3895	92	5.69	33912.4	-	3-25	5-25	Total area includes 1748 Ha of pond/ chakroad area and forest land of 225 Ha	800	4552.00
2 included (305 KMS)		2. Salon	6504	4968	804	4.44	28877.76		18-35	24-38	two cropping, Area includes forest land 732 Ha		
		3. Lalganj	5248	2929	1841	4.54	23825.92	31-35	0-7	9-15	single (1758 Ha)/two cropping (1171 Ha), Area includes forest land 478 Ha		
		4. Sadar Raibareilly	273	210	63	3.28	895.44	27-28	0-1	13-14	two cropping (89 Ha)/single cropping (121 Ha)		
		5. Dalmau	2041	1727	314	5.31	10837.71	40-48	1-9	20-28	single(434 Ha) / two cropping (1239 Ha)		
		Sub Total	20026	13729	3114		98349.23					800	4552.00
		Total II	29338	22663	3492		126661.25					2000	7000.00
Package III	Pratapgarh	1. Kunda	2025	1809	216	9.06	18346.5	-	-	22-30			
Dalmau to		2. Kunda	2025	1765	260	5.5	11137.5	-	4-11	8-12		260	1430.00
Aurai (Bhadoli)		Sub Total	4050	3574	476		29484					260	1430.00
Link - 3 included	Allahabad	KOROAN	2531	1084	1447	4.1	10377.1	40-45	21-26	18-27			
(211 KMS)		Meja	2835	0	2835	7.87	22311.45	46-51	8-14	10-14		330	2597.10
		Total	5366	1084	4282		32688.55					330	2597.10
		Total III	9416	4658	4758		62172.55					590	4027.10
	Varanasi	1. Sadar Tehsil	2380	2380		13.22	31463.6	3.5	1	2-6	Abadi area - 154 Ha	200	2644.00
		2. Sadar Tehsil	2250	2250		12.0	27000	7	-	1-3	Abadi area - 262 Ha		
		Sub Total	4630	4630	0		58463.6					200	2644.00
Package IV	Mirzapur	Sadar	2798	1846	952	3.69	10324.62		3	Adj	Single cropping	400	1476.00
Aurai		Sub Total	2798	1846	952		10324.62					400	1476.00
(Bhadoli) to Balia	Ballia	1. Ballia	1127	1127	0	8.82	9940.14		2-3.5	Adj.	Single/two cropping		
(278 KMS)		2. Barria	372.5	372.5	0	5.57	2074.825	1.5-8		0.5-3			
		Sub Total	1500	1500	0		12014.965					600	4120.00
		Total IV	8928	7976	952		80803.185					600	4120.00
		Grand Total	72585.50	54880.50	13967.00	6.20	395028.99					12281.00	29355.03

NOTES:

1. Circle rates mentioned are indicative may vary from place to place even in the same village depending upon the location within the village
2. GoUP will support all legal development activities for the specified land assemblies that are in conformity with law.
3. Developer bidding for Contract package 3 will also provide for new Bridge across river Ganges.



RIGHT OF WAY

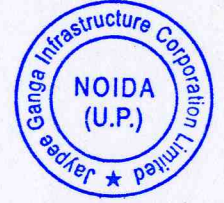


TYPE-B1 : TYPICAL CROSS SECTION FOR 8-LANE EXPRESSWAY WITH BOTH SIDE SERVICE ROAD

NOTES:-

1. All dimensions in metre
2. Expressway Embankment, $H > 2m$ and Service Road Embankment, $h > 1m$
3. 1.2m high double beam metal crash barrier shall be provided on entire Length of Expressway
4. 0.75m high single beam metal crash barrier shall be provided on Service Roads where $h \Rightarrow 3m$
5. Pitched drainage chute shall be provided on slopes of Embankment where $H/h \Rightarrow 3m$
6. The Cross Section shall be accommodated with in Right of Way by providing Viaducts/Reinforced Soil Structures/Retaining Walls etc.

FOR GUIDANCE ONLY



REV	DATE	DESCRIPTION OF REVISIONS	INITIALS

SCALE = NOT TO SCALE



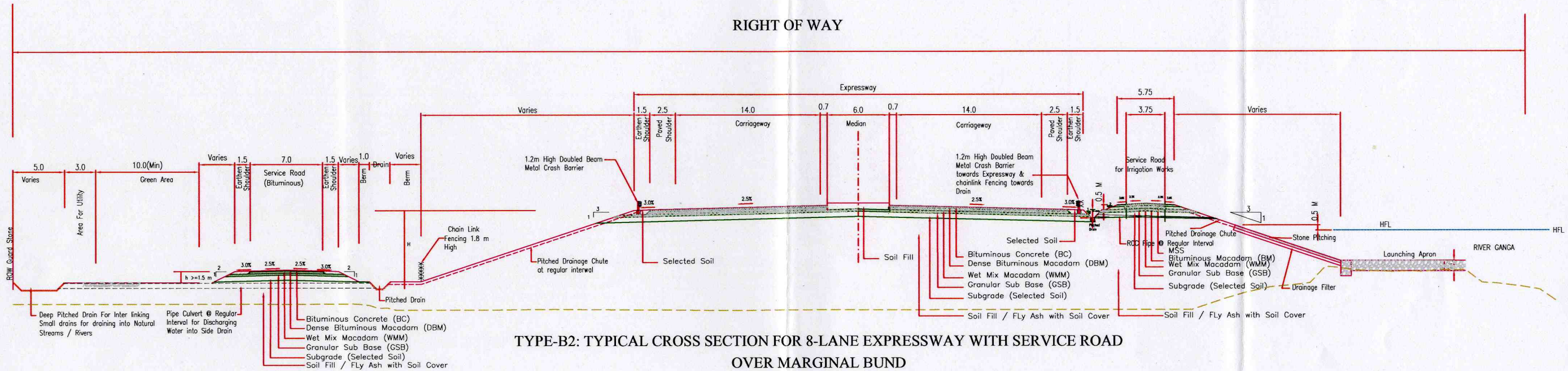
CONSULTING ENGINEERING SERVICES (I) LTD
57, NEHRU PLACE, 5TH FLOOR
NEW DELHI - 110 019
RITES LTD
RITES BHAWAN, PLOT-1, SECTOR-29
GURGAON - 122001, HARYANA



GOVERNMENT OF UTTAR PRADESH
INFRASTRUCTURE DEVELOPMENT DEPARTMENT
DEVELOPMENT OF ACCESS CONTROLLED 8-LANE
EXPRESSWAY FROM GREATER NOIDA TO BALLIA ON
PUBLIC PRIVATE PARTNERSHIP

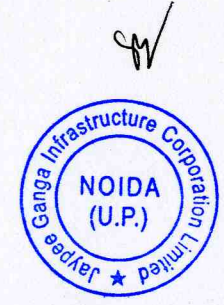
**TYPICAL CROSS SECTION
B1**

DRNG.NO. PLATE-1		
DATE:		DRAWN BY: - SUBRATA
DESIGN	CHECKED	APPROVED



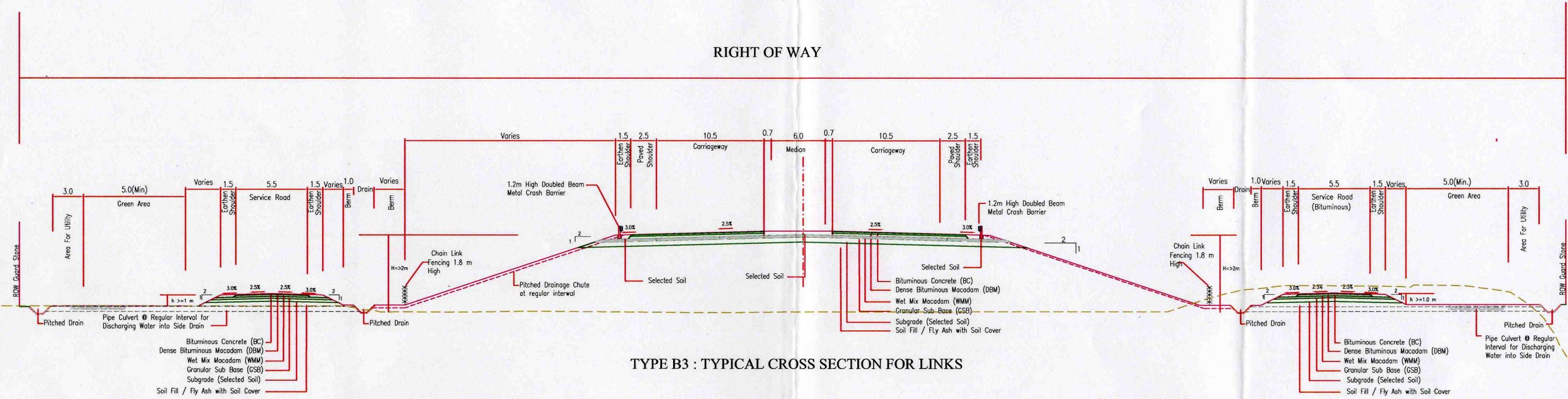
- NOTES:-**
1. All Dimensions in metre
 2. Expressway Embankment, $H \geq 5m$ with Expressway Finish level should be more than 3m above Ganga HFL
 3. Service Road Embankment, $h \geq 1.5m$
 4. Location & Length of Launching Apron as per Detailed Hydrological / Hydraulic Studies
 5. Steps from Irrigation Works Service Road to Ganga bed at regular interval
 6. 1.2m high double beam metal crash barrier shall be provided on entire length of Expressway
 7. 0.75m high single beam metal crash barrier shall be provided on Service Roads where $h \geq 3m$
 8. Pitched drainage chute shall be provided on slopes of Embankment where $H/h \geq 3m$
 9. The Cross Section Shall be accommodated within ROW by providing Viaducts, Reinforced Soil Structure, Retaining Wall etc considering the Ganga Flood Protection measures as per detailed hydrological/hydraulic studies
 10. Installing Sluice Gates towards Ganga Side on Non Vehicular Underpasses/Cattle Crossings/Culverts as flood protection measures

FOR GUIDANCE ONLY



	SCALE = NOT TO SCALE	CONSULTING ENGINEERING SERVICES (I) LTD 57, NEHRU PLACE, 5TH FLOOR NEW DELHI - 110 019 RITES LTD RITES BHAWAN, PLOT-1, SECTOR-29 GURGAON - 122001, HARYANA		PRADESHIYA INDUSTRIAL AND INVESTMENT CORPORATION OF U. P. LIMITED	GOVERNMENT OF UTTAR PRADESH INFRASTRUCTURE DEVELOPMENT DEPARTMENT DEVELOPMENT OF ACCESS CONTROLLED 8-LANE EXPRESSWAY FROM GREATER NOIDA TO BALLIA ON PUBLIC PRIVATE PARTNERSHIP	TYPICAL CROSS SECTION B2	DRNG.NO. PLATE-2 DATE : DESIGN : DRAWN-BY : SUBRATA CHECKED : APPROVED :																
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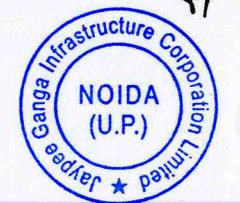
RIGHT OF WAY



TYPE B3 : TYPICAL CROSS SECTION FOR LINKS

NOTES:-

1. All dimensions in metre
2. 1.2m high double beam metal crash barrier shall be provided where $H \geq 2m$
3. 0.75m high single beam metal crash barrier shall be provided where $h \geq 3m$
4. Pitched drainage chute shall be provided on slopes of Embankment where $H/h \geq 3m$
5. The Cross Section shall be accommodated within available ROW by providing Viaducts, Reinforced Earth Structures, Concrete Retaining Walls, etc



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NEW DELHI - 110 019
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GURGAON - 122001, HARYANA



PRADESHIYA INDUSTRIAL AND INVESTMENT CORPORATION OF U. P. LIMITED

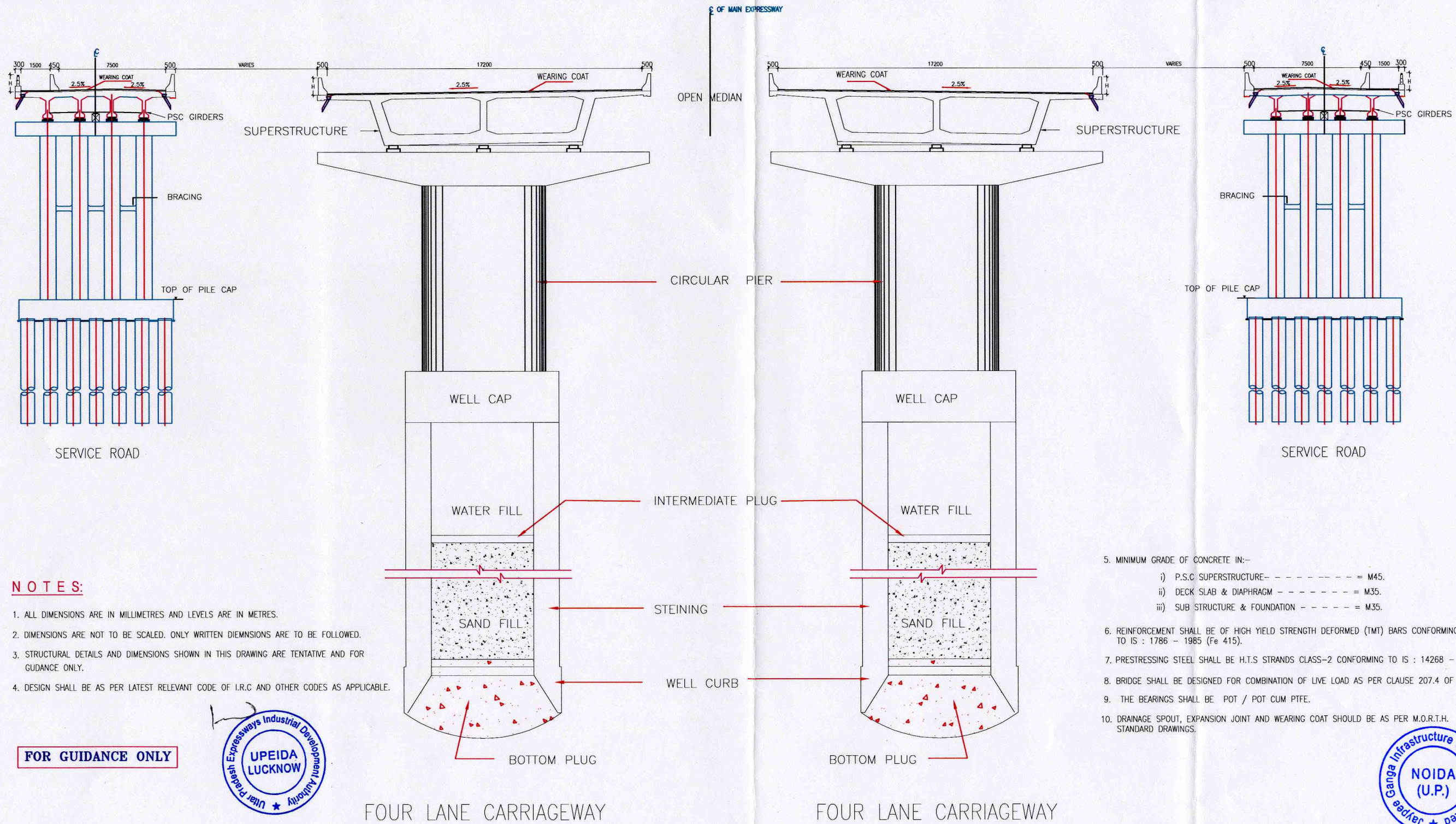


GOVERNMENT OF UTTAR PRADESH
INFRASTRUCTURE DEVELOPMENT DEPARTMENT
DEVELOPMENT OF ACCESS CONTROLLED 8-LANE EXPRESSWAY FROM GREATER NOIDA TO BALLIA ON PUBLIC PRIVATE PARTNERSHIP

TYPICAL CROSS - SECTION
B3

DRNG.NO. PLATE-3	DATE :	
DESIGN	CHECKED	APPROVED

OPTION A: TYPICAL CROSS SECTION FOR BRIDGE WORKS ON MAIN EXPRESSWAY
 (FROM GREATER NOIDA TO NARORA)
 (OTHER BRIDGES LESS THAN 30M)



NOTES:

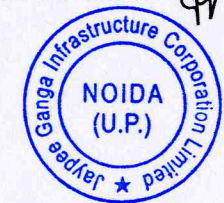
1. ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS ARE IN METRES.
2. DIMENSIONS ARE NOT TO BE SCALED. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
3. STRUCTURAL DETAILS AND DIMENSIONS SHOWN IN THIS DRAWING ARE TENTATIVE AND FOR GUIDANCE ONLY.
4. DESIGN SHALL BE AS PER LATEST RELEVANT CODE OF I.R.C AND OTHER CODES AS APPLICABLE.

5. MINIMUM GRADE OF CONCRETE IN:-

- i) P.S.C SUPERSTRUCTURE - - - - - = M45.
- ii) DECK SLAB & DIAPHRAGM - - - - - = M35.
- iii) SUB STRUCTURE & FOUNDATION - - - - - = M35.

6. REINFORCEMENT SHALL BE OF HIGH YIELD STRENGTH DEFORMED (TMT) BARS CONFORMING TO IS : 1786 - 1985 (Fe 415).
7. PRESTRESSING STEEL SHALL BE H.T.S STRANDS CLASS-2 CONFORMING TO IS : 14268 - 1995.
8. BRIDGE SHALL BE DESIGNED FOR COMBINATION OF LIVE LOAD AS PER CLAUSE 207.4 OF IRC: 6-2000.
9. THE BEARINGS SHALL BE POT / POT CUM PTFE.
10. DRAINAGE SPOUT, EXPANSION JOINT AND WEARING COAT SHOULD BE AS PER M.O.R.T.H. STANDARD DRAWINGS.

FOR GUIDANCE ONLY



FOUR LANE CARRIAGEWAY

FOUR LANE CARRIAGEWAY

SCALE = NOT TO SCALE



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 NEW DELHI - 110 019
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 GURGAON - 122001, HARYANA



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 CORPORATION OF U. P. LIMITED



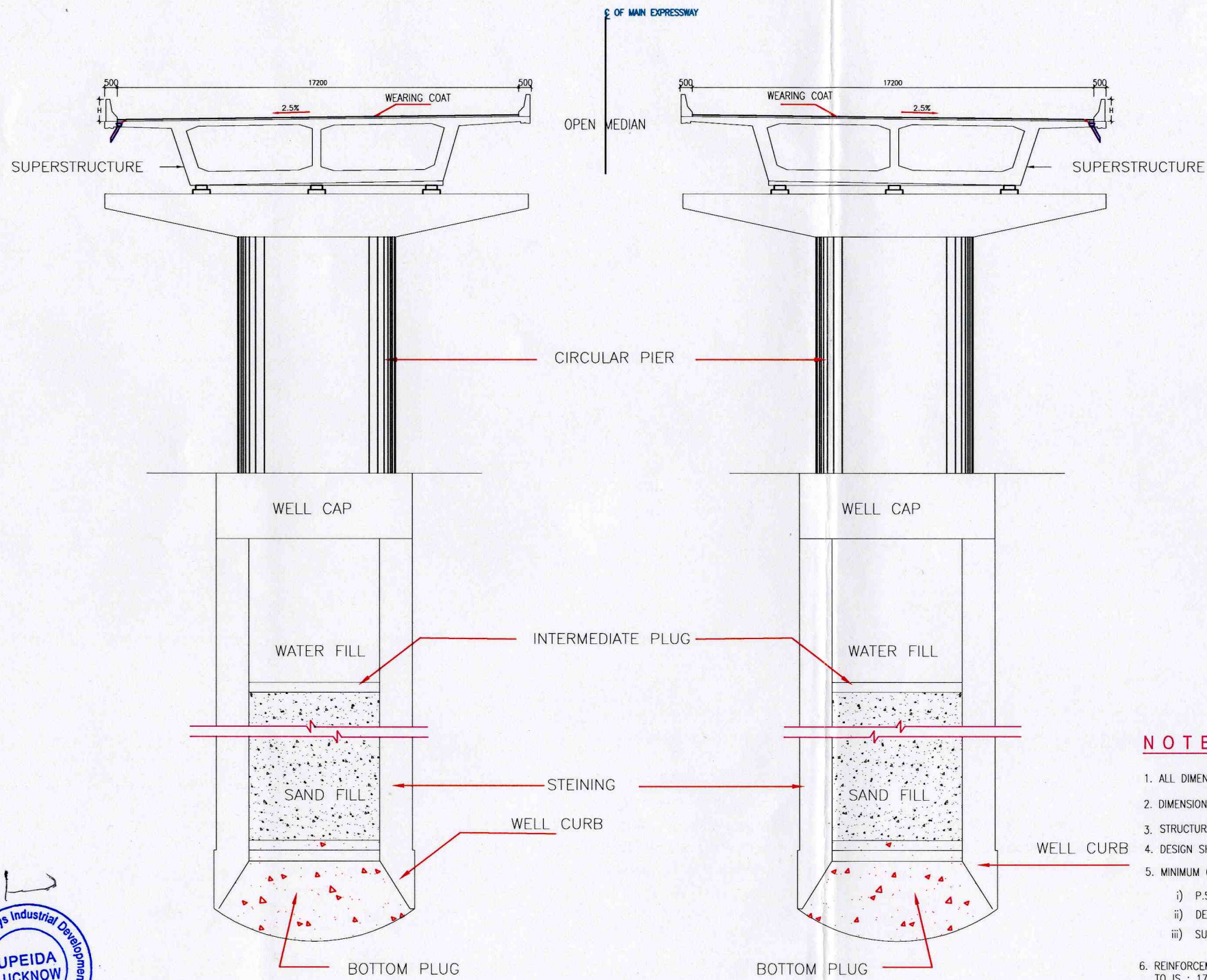
GOVERNMENT OF UTTAR PRADESH
 INFRASTRUCTURE DEVELOPMENT DEPARTMENT
 DEVELOPMENT OF ACCESS CONTROLLED 8-LANE
 EXPRESSWAY FROM GREATER NOIDA TO BALLIA ON
 PUBLIC PRIVATE PARTNERSHIP

OTHER BRIDGES LESS THAN 30M
 (GREATER NOIDA TO NARORA)

DRNG.NO.	PLATE-4	
DATE :	DRAWN BY : - SUBRATA	
DESIGN	CHECKED	APPROVED

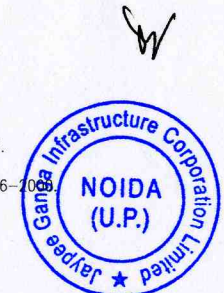
REV	DATE	DESCRIPTION OF REVISIONS	INITIALS

OPTION B: TYPICAL CROSS SECTION FOR BRIDGE WORKS ON MAIN EXPRESSWAY (BRIDGE MORE THAN 30M)



NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS ARE IN METRES.
2. DIMENSIONS ARE NOT TO BE SCALED. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
3. STRUCTURAL DETAILS AND DIMENSIONS SHOWN IN THIS DRAWING ARE TENTATIVE AND GUIDANCE ONLY.
4. DESIGN SHALL BE AS PER LATEST RELEVANT CODE OF I.R.C AND OTHER CODES AS APPLICABLE.
5. MINIMUM GRADE OF CONCRETE IN:-
 - i) P.S.C SUPERSTRUCTURE - - - - - = M45.
 - ii) DECK SLAB & DIAPHRAGM - - - - - = M35.
 - iii) SUB STRUCTURE & FOUNDATION - - - - - = M35.
6. REINFORCEMENT SHALL BE OF HIGH YIELD STRENGTH DEFORMED (TMT) BARS CONFORMING TO IS : 1786 - 1985 (Fe 415).
7. PRESTRESSING STEEL SHALL BE H.T.S STRANDS CLASS-2 CONFORMING TO IS : 14268 - 1995.
8. BRIDGE SHALL BE DESIGNED FOR COMBINATION OF LIVE LOAD AS PER CLAUSE 207.4 OF IRC: 6-2000.
9. THE BEARINGS SHALL BE POT / POT CUM PTFE.
10. DRAINAGE SPOUT, EXPANSION JOINT AND WEARING COAT SHOULD BE AS PER M.O.R.T.H. STANDARD SPECIFICATION.



FOR GUIDANCE ONLY

FOUR LANE CARRIAGEWAY

FOUR LANE CARRIAGEWAY

SCALE = NOT TO SCALE



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PRADESHIYA INDUSTRIAL AND INVESTMENT
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GOVERNMENT OF UTTAR PRADESH
INFRASTRUCTURE DEVELOPMENT DEPARTMENT
DEVELOPMENT OF ACCESS CONTROLLED 8-LANE
EXPRESSWAY FROM GREATER NOIDA TO BALLIA ON
PUBLIC PRIVATE PARTNERSHIP

BRIDGES MORE THAN 30M

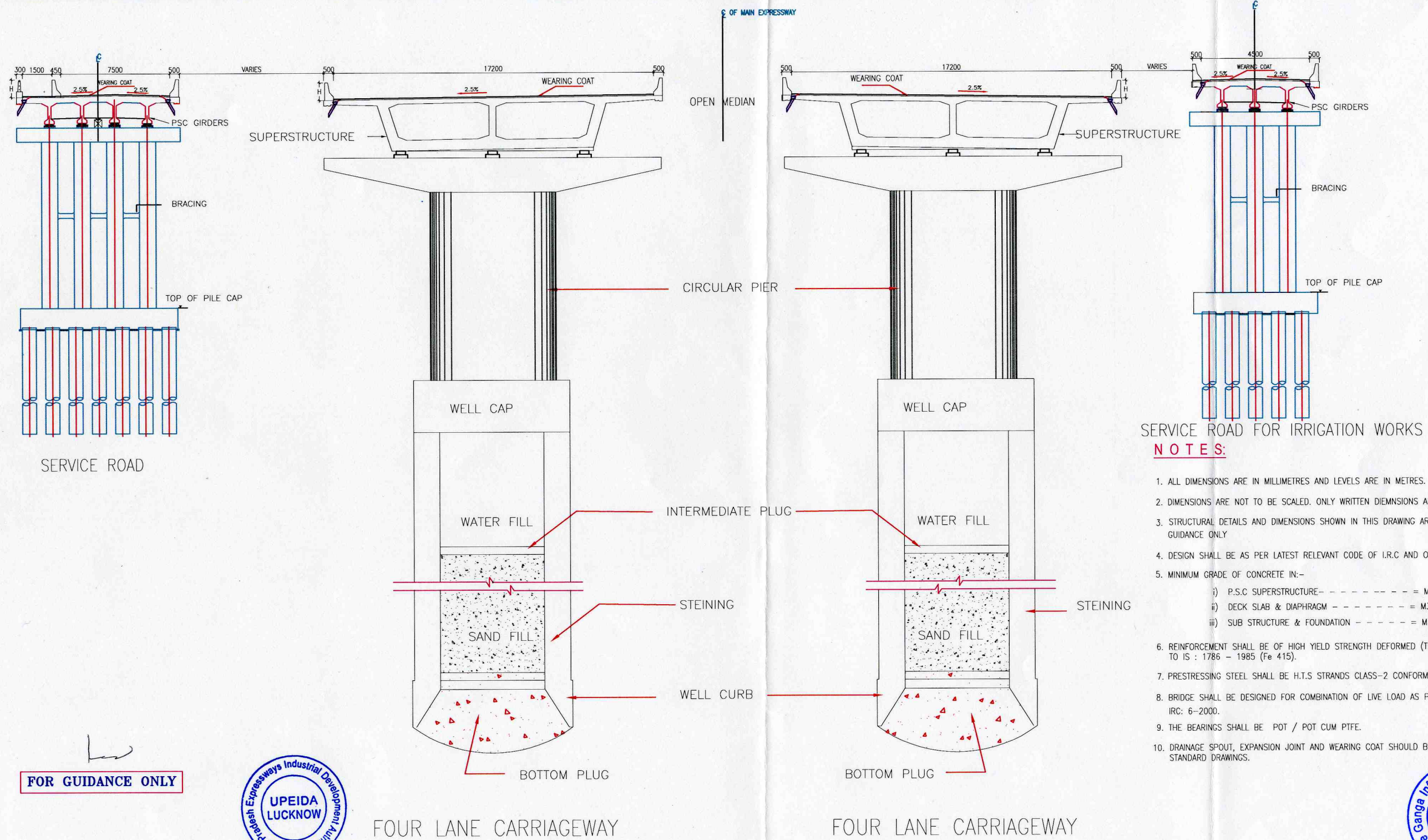
DRNG.NO. PLATE-5

DATE : DRAWN BY : - SUBRATA

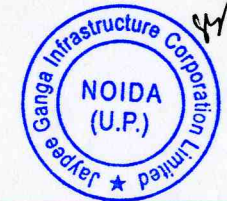
DESIGN CHECKED APPROVED

REV	DATE	DESCRIPTION OF REVISIONS	INITIALS

OPTION C: TYPICAL CROSS SECTION FOR BRIDGE WORKS ON MAIN EXPRESSWAY (FROM NARORA TO BALLIA) (OTHER BRIDGES LESS THAN 30M)



FOR GUIDANCE ONLY



FOUR LANE CARRIAGEWAY

FOUR LANE CARRIAGEWAY

SCALE = NOT TO SCALE



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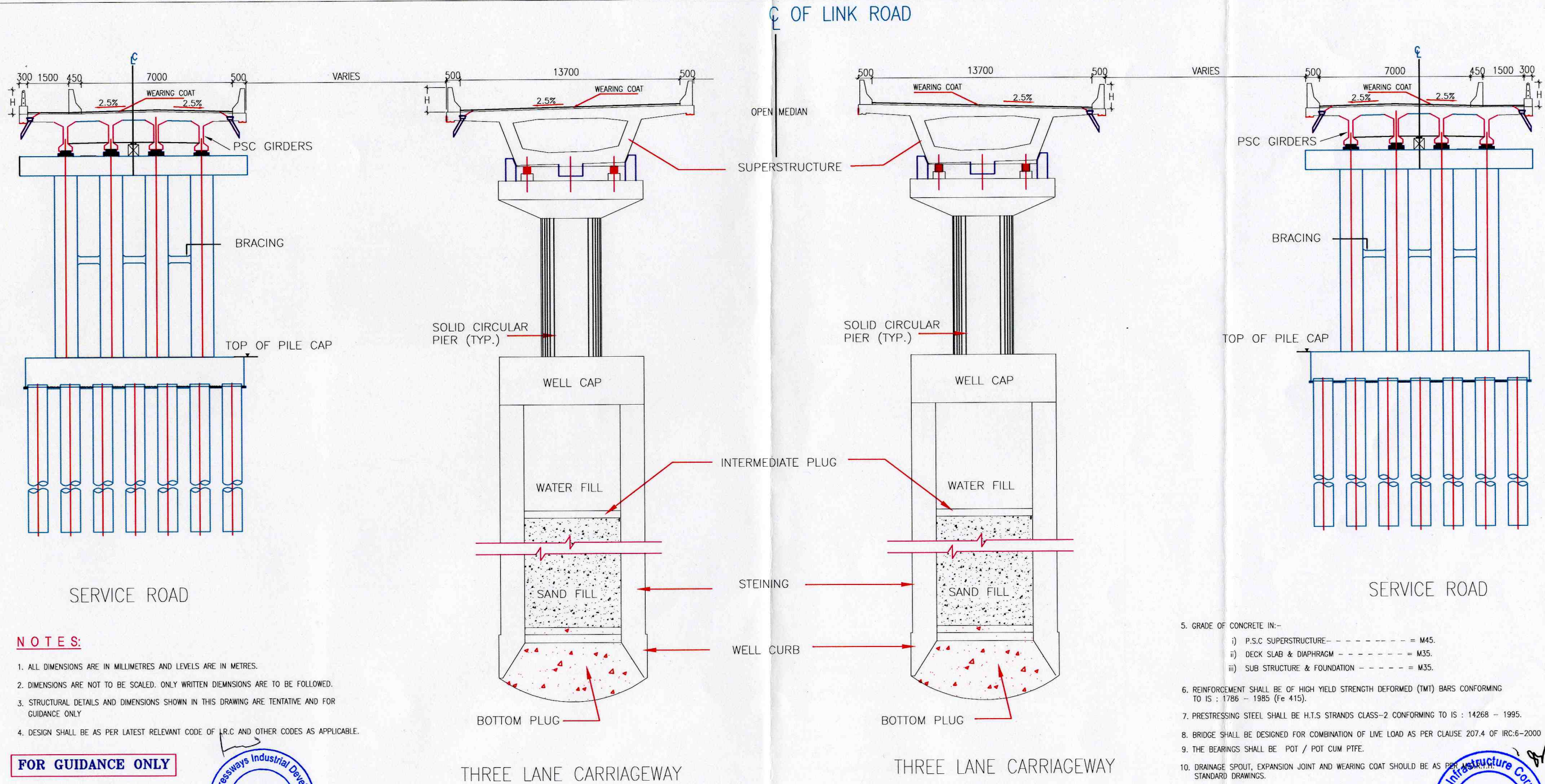
GOVERNMENT OF UTTAR PRADESH
INFRASTRUCTURE DEVELOPMENT DEPARTMENT
DEVELOPMENT OF ACCESS CONTROLLED 8-LANE EXPRESSWAY FROM GREATER NOIDA TO BALLIA ON PUBLIC PRIVATE PARTNERSHIP

OTHER BRIDGES LESS THAN 30M (NARORA TO BALLIA)

DRNG.NO. PLATE-6	DATE :	DRAWN BY : - SUBRATA
DESIGN	CHECKED	APPROVED

REV	DATE	DESCRIPTION OF REVISIONS	INITIALS

OPTION D: TYPICAL CROSS SECTION FOR BRIDGE WORKS ON LINKS (OTHERS BRIDGES LESS THAN 30M)



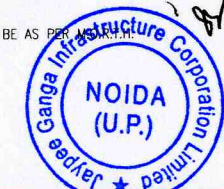
NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS ARE IN METRES.
2. DIMENSIONS ARE NOT TO BE SCALED. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
3. STRUCTURAL DETAILS AND DIMENSIONS SHOWN IN THIS DRAWING ARE TENTATIVE AND FOR GUIDANCE ONLY
4. DESIGN SHALL BE AS PER LATEST RELEVANT CODE OF I.R.C AND OTHER CODES AS APPLICABLE.

FOR GUIDANCE ONLY



5. GRADE OF CONCRETE IN:-
 - i) P.S.C SUPERSTRUCTURE----- = M45.
 - ii) DECK SLAB & DIAPHRAGM ----- = M35.
 - iii) SUB STRUCTURE & FOUNDATION ----- = M35.
6. REINFORCEMENT SHALL BE OF HIGH YIELD STRENGTH DEFORMED (TMT) BARS CONFORMING TO IS : 1786 - 1985 (Fe 415).
7. PRESTRESSING STEEL SHALL BE H.T.S STRANDS CLASS-2 CONFORMING TO IS : 14268 - 1995.
8. BRIDGE SHALL BE DESIGNED FOR COMBINATION OF LIVE LOAD AS PER CLAUSE 207.4 OF IRC:6-2000
9. THE BEARINGS SHALL BE POT / POT CUM PTFE.
10. DRAINAGE SPOUT, EXPANSION JOINT AND WEARING COAT SHOULD BE AS PER STANDARD DRAWINGS.



SCALE = NOT TO SCALE



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GOVERNMENT OF UTTAR PRADESH
INFRASTRUCTURE DEVELOPMENT DEPARTMENT
DEVELOPMENT OF ACCESS CONTROLLED 8-LANE EXPRESSWAY FROM GREATER NOIDA TO BALLIA ON PUBLIC PRIVATE PARTNERSHIP

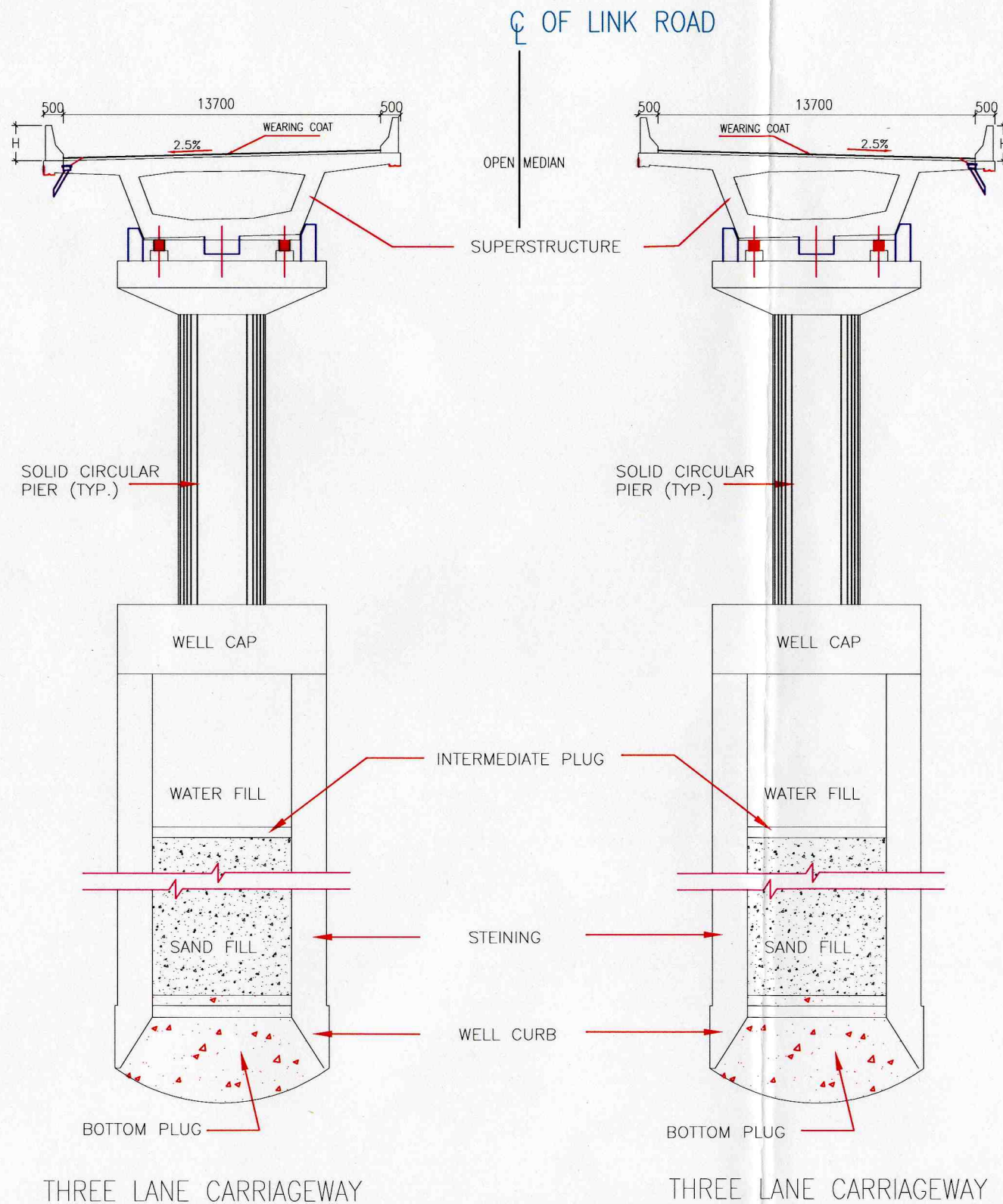
OTHER BRIDGES LESS THAN 30M (LINKS)

DRNG.NO. **PLATE-7**

DATE : DRAWN BY : - SUBRATA

DESIGN CHECKED APPROVED

OPTION E: TYPICAL CROSS SECTION FOR BRIDGE WORKS ON LINKS (BRIDGE MORE THAN 30M)

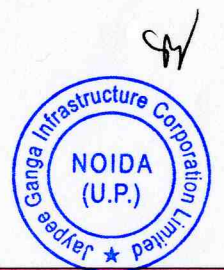


NOTES:

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2. DIMENSIONS ARE NOT TO BE SCALED. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
3. STRUCTURAL DETAILS AND DIMENSIONS SHOWN IN THIS DRAWING ARE TENTATIVE AND FOR GUIDANCE ONLY.
4. DESIGN SHALL BE AS PER LATEST RELEVANT CODE OF I.R.C AND OTHER CODES AS APPLICABLE.
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 - ii) DECK SLAB & DIAPHRAGM - - - - - = M35.
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7. PRESTRESSING STEEL SHALL BE H.T.S STRANDS CLASS-2 CONFORMING TO IS : 14268 - 1995.
8. BRIDGE SHALL BE DESIGNED FOR COMBINATION OF LOAD AS PER CLAUSE 207.4 OF IRC:6-2000
9. THE BEARINGS SHALL BE POT / POT CUM PTFE.
10. DRAINAGE SPOUT, EXPANSION JOINT AND WEARING COAT SHOULD BE AS PER M.O.R.T.H. STANDARD DRAWINGS.



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REV	DATE	DESCRIPTION OF REVISIONS	INITIALS

SCALE = NOT TO SCALE



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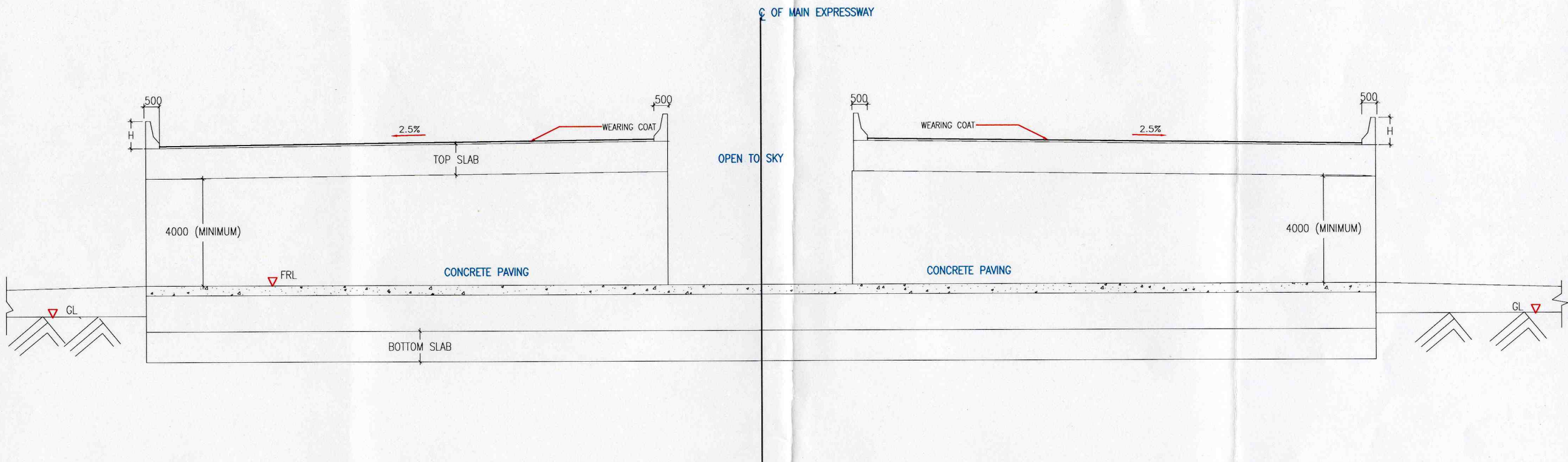


GOVERNMENT OF UTTAR PRADESH
INFRASTRUCTURE DEVELOPMENT DEPARTMENT
DEVELOPMENT OF ACCESS CONTROLLED 8-LANE EXPRESSWAY FROM GREATER NOIDA TO BALLIA ON PUBLIC PRIVATE PARTNERSHIP

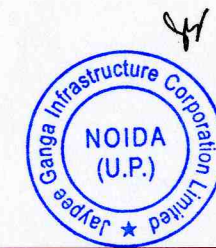
BRIDGES MORE THAN 30M (LINKS)

DRNG.NO. PLATE-8	DATE :	
DESIGN	CHECKED	APPROVED

TYPICAL CROSS SECTION FOR NON VEHICULAR UNDERPASS



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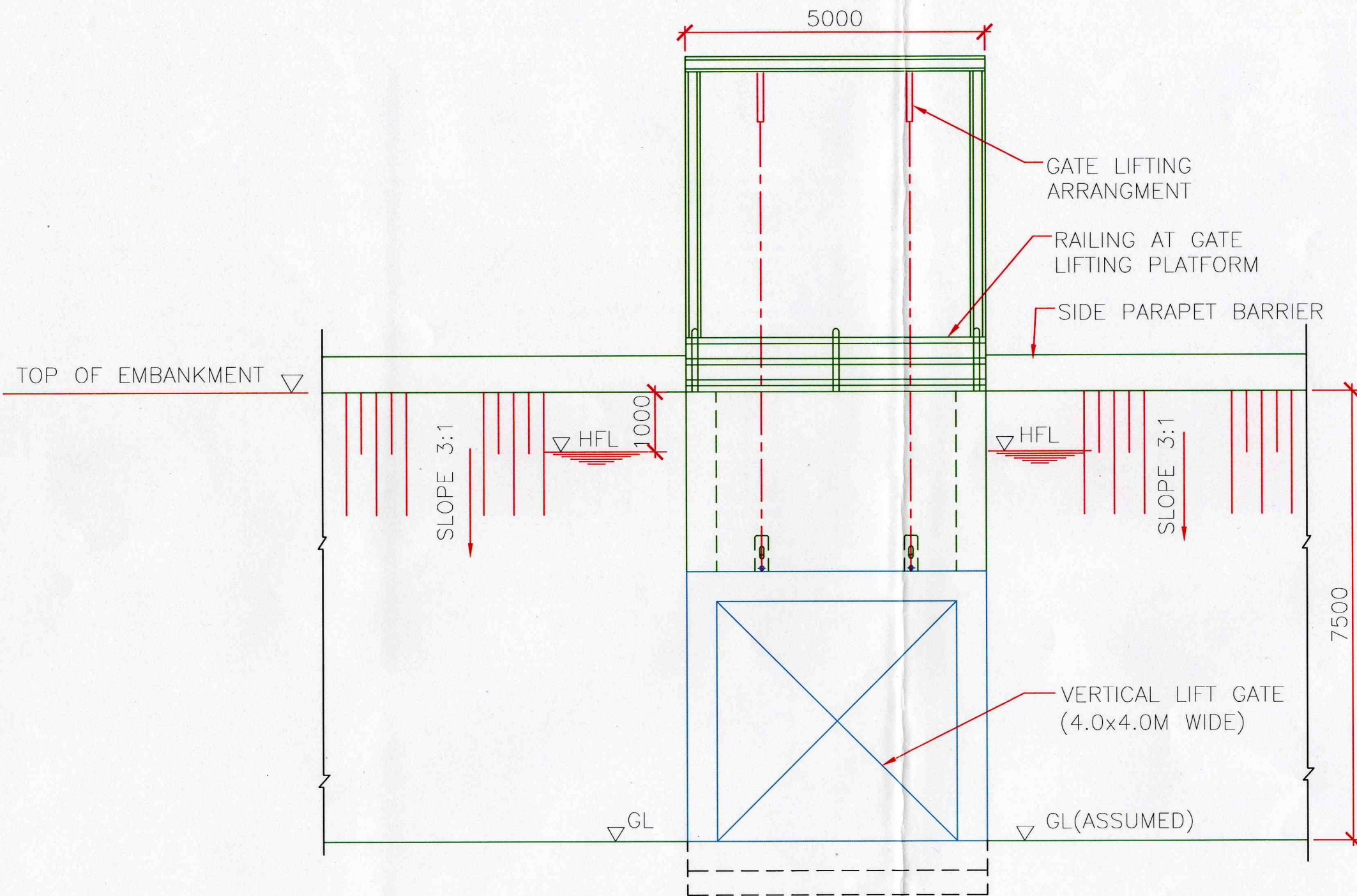


GOVERNMENT OF UTTAR PRADESH
INFRASTRUCTURE DEVELOPMENT DEPARTMENT
DEVELOPMENT OF ACCESS CONTROLLED 8-LANE EXPRESSWAY FROM GREATER NOIDA TO BALLIA ON PUBLIC PRIVATE PARTNERSHIP

TYPICAL CROSS SECTION FOR NON VEHICULAR UNDERPASS

DRNG.NO. PLATE-9	DATE :	
DESIGN	CHECKED	APPROVED
		DRAWN BY : SUBRATA

REV	DATE	DESCRIPTION OF REVISIONS	INITIALS

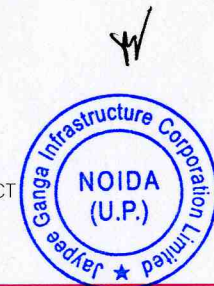


GATED BOX CULVERT ELEVATION FORM RIVER SIDE

NOTES:

1. FLOODGATE WILL BE LOCATED BETWEEN EXPRESSWAY AND IRRIGATION INSPECTION ROAD.
2. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE MENTIONED.
3. ALL DIMENSIONS AND ITEMS SHALL BE FINALISED WITH RESPECT TO THE FIELD CONDITIONS AND PROJECT REQUIREMENTS.

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CORPORATION OF U. P. LIMITED



GOVERNMENT OF UTTAR PRADESH
INFRASTRUCTURE DEVELOPMENT DEPARTMENT
DEVELOPMENT OF ACCESS CONTROLLED 8-LANE
EXPRESSWAY FROM GREATER NOIDA TO BALLIA ON
PUBLIC PRIVATE PARTNERSHIP

SECTION AND ELEVATION
OF GATED BOX CULVERT

DRNG.NO. **PLATE-10**

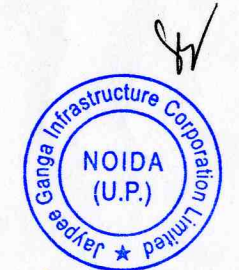
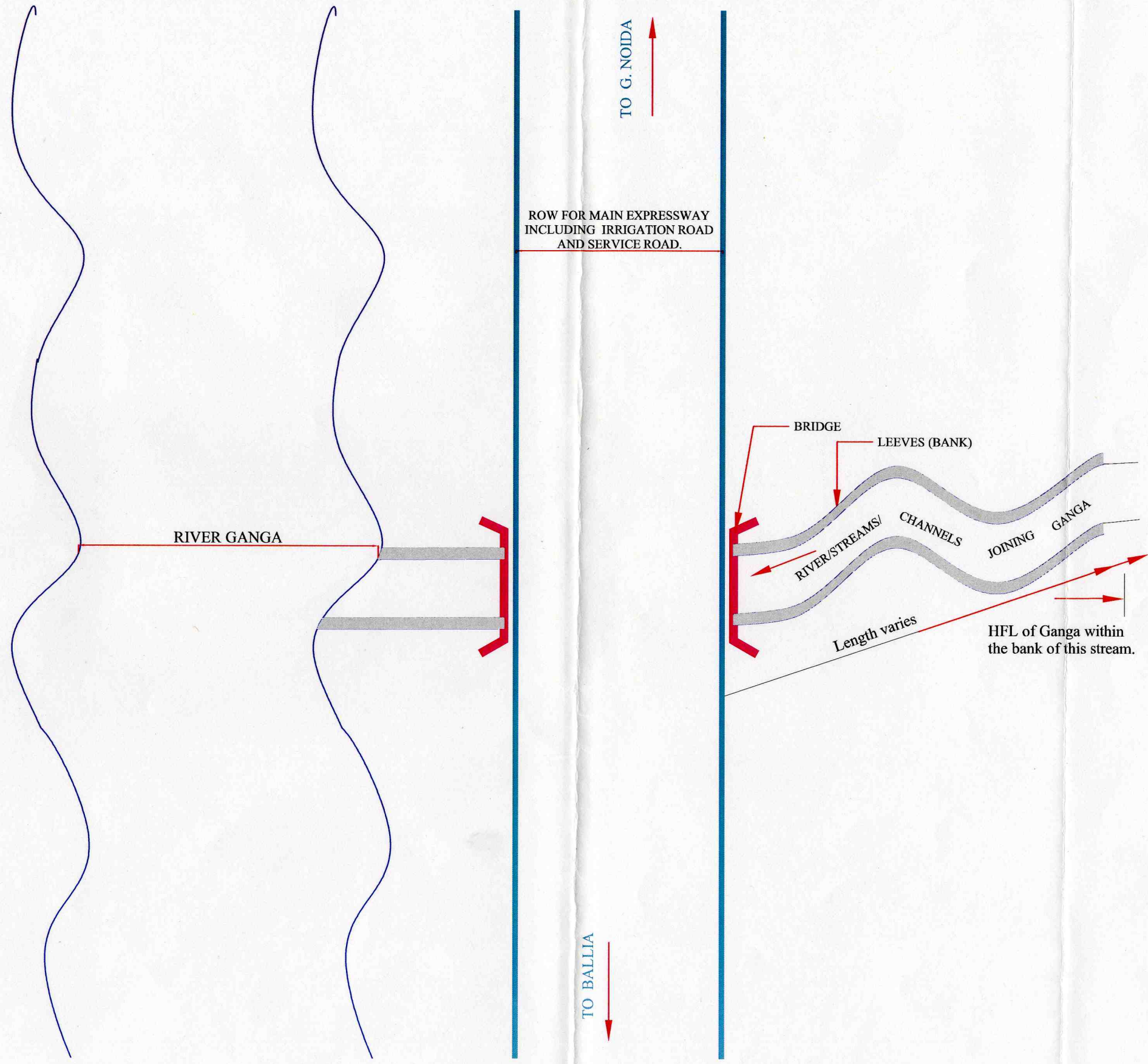
DATE : DRAWN BY :- SUBRATA

DESIGN

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REV	DATE	DESCRIPTION OF REVISIONS	INITIALS

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PRADESHIYA INDUSTRIAL AND INVESTMENT CORPORATION OF U. P. LIMITED



GOVERNMENT OF UTTAR PRADESH
INFRASTRUCTURE DEVELOPMENT DEPARTMENT
DEVELOPMENT OF ACCESS CONTROLLED 8-LANE EXPRESSWAY FROM GREATER NOIDA TO BALLIA ON PUBLIC PRIVATE PARTNERSHIP

FLOOD PROTECTION MEASURES & CONSTRUCTION OF LEEVES ALONG RIVER/ STREAMS / CHANNELS JOINING GANGA

DRNG.NO. PLATE-11	DATE :		DRAWN BY : - SUBRATA
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