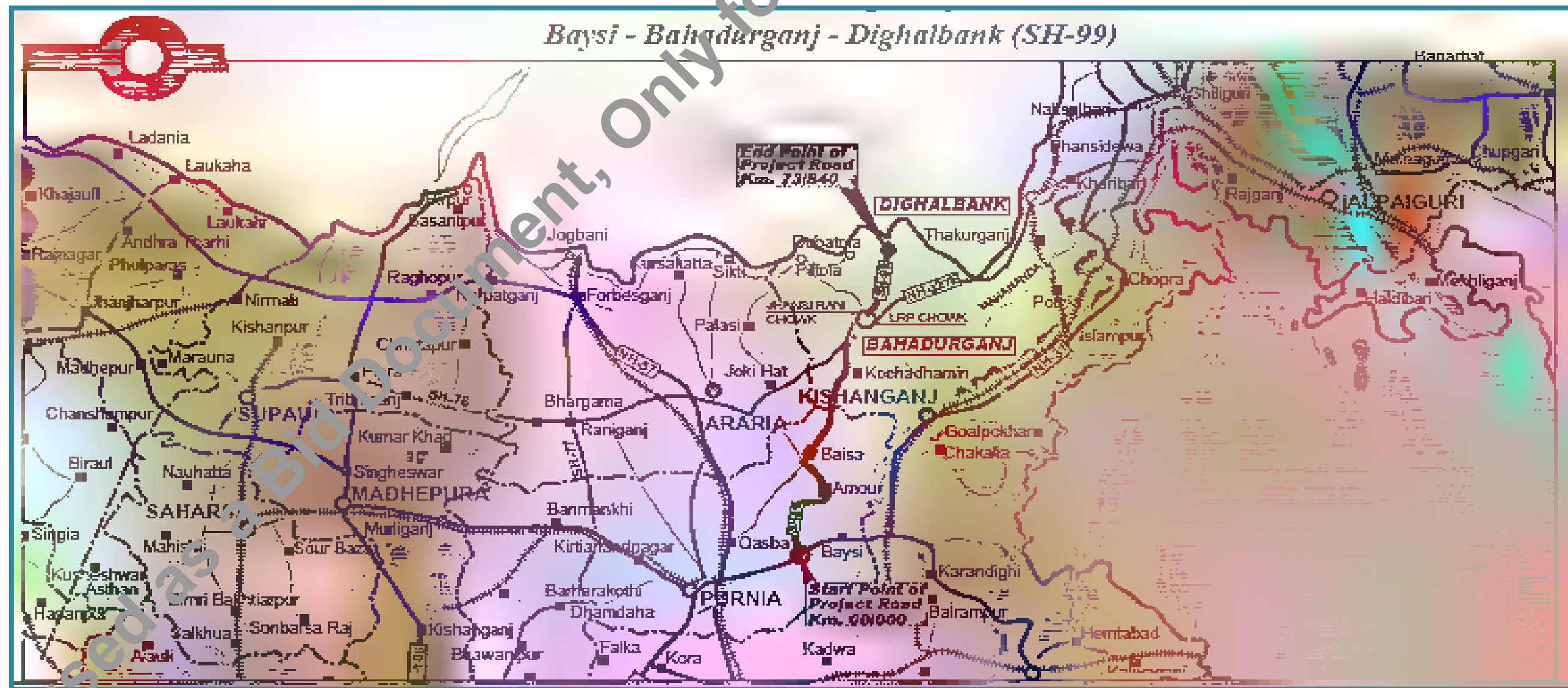




Volume – IV

**IMPROVEMENT/UPGRADATION, WIDENING AND STRENGTHENING OF BAYSI
BAHADURGANJ-DIGHALBANK ROAD (SH-99) UNDER CIVIL WORKS CONTRACT
PACKAGE NO. BSHP-III (PHASE-2)/PKG-2/SH-99**



BIHAR STATE ROAD DEVELOPMENT CORPORATION LIMITED

RCD Central Mechanical Workshop Campus (Near Patna Airport)

Sheikhpura, Patna-800014, Bihar, India

Phone- 91+-612-2226711

Fax : +91-612-2226723

IFB No.-BSHP-III(Phase-2)/ Pkg-2/SH-99/2021-22

Patna, Dated-17.02.2022



Bihar State Road Development Corporation Ltd.

(A Government of Bihar Undertaking)

**IMPROVEMENT/UPGRADATION, WIDENING AND STRENGTHENING OF BAYSI
BAHADURGANJ - DIGHALBANK ROAD (SH-99) UNDER CIVIL WORKS
CONTRACT PACKAGE NO. BSHP-III (PHASE-2)/PKG-2/SH-99**

Volume – IV : DRAWINGS (PLAN & PROFILE)

BIHAR STATE ROAD DEVELOPMENT CORPORATION LIMITED

RCD Mech. Workshop Campus, Sheikhpura,

Patna - 800 014, BIHAR

January, 2022

INDEX

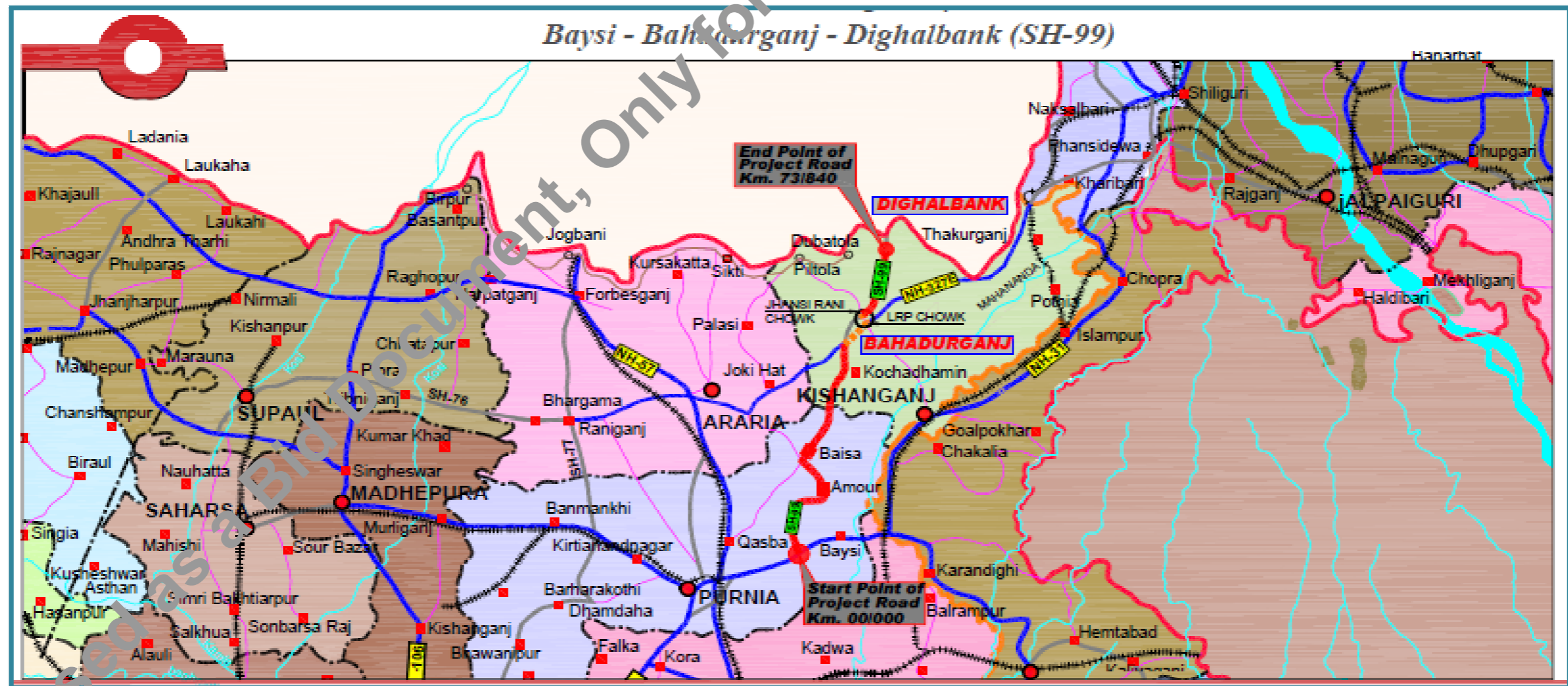
Sr. No.	Particulars	Page No.
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Not to be used as a Bid Document, Only for Reference



Volume – IV

IMPROVEMENT/UPGRADATION, WIDENING AND STRENGTHENING OF BAYSI BAHADURGANJ-DIGHALBANK ROAD (SH-99) UNDER CIVIL WORKS CONTRACT PACKAGE NO. BSHP-III (PHASE-2)/PKG-2/SH-99



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**IMPROVEMENT/UPGRADATION, WIDENING AND STRENGTHENING OF BAYSI
BAHADURGANJ - DIGHALBANK ROAD (SH-99) UNDER CIVIL WORKS
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Horizontal Curve Details

Sr. No.	HIP No.	HIP Chainage	Easting	Northing	Radius	Transition Length	Transition Start	Circular Start	Circular End	Transition End	Speed	Delta	LC	Shift(S)	Theta_s	Es	k	Ts(m)	e	
		m			m	m	m	m	m	m	kmph	Degree	m	m	Degree	m	m	m	%	
1	1/1L	165.754	574963.4810	2861053.1090	5500	0		122.586	208.922		40	0.00	86.3	0.90	0.00	0.0	0.00	43.17	-	
2	1/2R	355.314	574983.2360	2861242.1580	190	30	303.138	333.138	377.490	407.490	40	2.42	44.4	13.37	0.20	4.5	3.9	15.00	52.69	3.74
3	1/3L	826.412	575208.8040	2861659.5640	400	40	735.675	775.675	881.148	921.148	65	2.54	105.5	15.11	0.17	2.9	6.9	20.00	93.58	4.69
4	2/1R	1302.273	575271.1730	2862130.1550	2800	0		1258.515	1346.031		80	1.79	87.5	1.79	0.00	0.0	0.0	43.76	-	
5	2/2L	1572.654	575315.0580	2862396.9640	2800	0		1512.481	1632.826		100	2.46	120.3	2.46	0.00	0.0	0.6	0.00	60.18	-
6	2/3R	1942.595	575359.3600	2862764.2520	5000	0		1931.898	1953.291		100	0.25	21.4	0.25	0.00	0.0	0.0	10.70	-	
7	3/1L	2113.442	575390.5460	2862933.7910	2500	0		2055.379	2171.504		70	2.66	116.1	2.66	0.00	0.0	0.7	0.00	58.07	-
8	3/2R	2408.223	575403.7290	2863230.8960	180	70	2309.233	2379.233	2437.213	2507.213	65	40.74	58.0	18.46	1.13	11.1	13.2	34.96	102.20	7.00
9	3/3L	2782.779	575675.2540	2863500.5420	500	45	2608.457	2653.457	2912.100	2972.100	80	34.79	258.6	29.64	0.17	2.6	24.1	22.50	179.22	5.69
10	4/1L	3309.535	575771.2630	2864023.4530	7000	0		3301.211	3317.858		80	0.14	16.6	0.14	0.00	0.0	0.0	8.32	-	
11	4/2L	3502.555	575805.6710	2864213.3980	800	0		3471.568	3533.542		65	4.44	62.0	4.44	0.00	0.0	0.6	0.00	31.00	-
12	4/3R	3636.052	575819.2330	2864346.2380	800	0		3603.681	3668.423		65	4.64	64.7	4.64	0.00	0.0	0.7	0.00	32.39	-
13	4/4L	3863.956	575860.8970	2864571.7820	310	75	3755.226	3830.226	3897.686	3972.686	80	26.33	67.5	12.47	0.76	6.9	9.1	37.48	110.17	7.00
14	5/1R	4093.166	575797.8480	2864793.6460	2800	0		4082.563	4107.563		80	0.43	21.2	0.43	0.00	0.0	0.0	10.60	-	
15	5/2L	4355.322	575728.0570	2865046.4990	450	40	4291.520	4331.520	4371.123	4419.123	65	11.15	47.6	6.06	0.15	2.5	2.3	20.00	63.95	4.17
16	5/3R	4583.252	575625.9870	2865250.4690	2500	0		4577.059	4589.529		80	0.28	12.4	0.28	0.00	0.0	0.0	6.19	-	
17	5/4L	4880.246	575489.9660	2865525.6840	5500	0		4880.182	4871.309		100	0.21	20.1	0.21	0.00	0.0	0.0	10.06	-	
18	6/1R	5257.599	575325.9950	2865854.4160	2500	0		5215.291	5299.905		100	1.94	84.6	1.94	0.00	0.0	0.4	0.00	42.31	-
19	6/2L	5374.502	575277.3730	2865960.7570	2000	0		5309.774	5439.529		100	3.73	130.1	3.73	0.00	0.0	1.1	0.00	65.05	-
20	6/3R	5500.206	575217.7730	2866071.4630	2500	0		5471.151	5539.260		80	1.79	78.1	1.79	0.00	0.0	0.3	0.00	39.06	-
21	7/1R	6114.123	574943.3760	2866621.6610	400	55	6012.774	6071.774	6160.472	6215.472	65	21.16	92.7	13.28	0.32	3.9	7.2	27.50	102.26	4.69
22	7/2R	6619.744	574895.5030	2867132.8390	105	55	6535.565	6575.565	6648.922	6703.922	40	61.86	58.4	31.84	1.20	15.0	18.8	27.44	91.07	6.77
23	7/3L	6831.062	575084.3330	2867257.7960	105	55	6743.333	6798.555	6863.568	6918.568	40	65.49	65.0	35.48	1.20	15.0	21.3	27.44	95.73	6.77
24	8/1R	7009.487	575055.1900	2867442.1580	2000	0		6995.043	7023.931		65	0.83	28.9	0.83	0.00	0.0	0.1	0.00	14.44	-
25	8/2L	7500.649	574986.9590	2867918.2280	320	50	7369.145	7419.515	7581.783	7631.783	65	38.01	162.3	29.05	0.33	4.5	18.8	24.99	135.31	5.87
26	8/3L	7707.315	574836.2120	2868087.5240	230	0		7621.818	7792.812		65	42.60	171.0	42.60	0.00	0.0	16.9	0.00	89.67	7.00
27	8/4R	7849.311	574690.7750	2868102.0870	1700	0		7834.216	7864.405		50	1.02	30.2	1.02	0.00	0.0	0.1	0.00	15.09	-
28	9/1R	8219.862	574322.1790	2868145.6200	200	0		8178.387	8261.337		40	23.76	82.9	23.76	0.00	0.0	4.4	0.00	42.08	3.56
29	9/2L	8351.598	574206.9660	2868213.4840	290	0		8281.894	8421.301		40	27.54	139.4	27.54	0.00	0.0	8.6	0.00	71.08	-
30	9/3L	8505.815	574050.9650	2868221.5390	290	0		8452.258	8559.372		40	21.16	107.1	21.16	0.00	0.0	5.0	0.00	54.17	-
31	9/4R	8621.776	573939.8850	2868185.0050	110	0		8598.457	8645.095		40	24.29	46.6	24.29	0.00	0.0	2.5	0.00	23.67	6.46
32	10/1L	9162.312	573402.0410	2868242.3470	6000	0		9154.190	9170.434		65	0.16	16.2	0.16	0.00	0.0	0.0	8.12	-	
33	10/2R	9569.433	572993.6550	2868284.7690	800	0		9382.768	9756.098		65	26.74	373.3	26.74	0.00	0.0	22.3	0.00	190.13	-
34	10/3R	9901.489	572704.8410	2868469.9590	300	0		9776.142	10026.835		40	47.09	250.7	47.09	0.00	0.0	27.7	0.00	132.92	-
35	11/1R	10159.545	572657.6200	2868731.4140	1200	0		10095.034	10223.055		50	6.06	127.0	6.06	0.00	0.0	1.7	0.00	63.57	-
36	11/2L	10502.177	572632.5170	2869075.4810	500	0		10339.252	10665.101		50	23.34	325.8	23.34	0.00	0.0	16.9	0.00	165.21	-
37	11/3R	10856.483	572466.5410	2869394.7100	150	60	10772.915	10832.915	10880.050	10940.050	50	40.92	47.1	18.00	1.00	11.5	11.2	29.96	86.30	7.00
38	12/1L	11398.901	572593.1130	2869249.9710	200	60	11332.506	11332.506	11405.295	11465.295	65	20.85	12.8	3.66	0.75	8.6	4.1	29.98	68.92	7.00
39	12/2R	11631.231	572554.7790	2869411.930	180	70	11504.366	11574.366	11688.095	11758.095	50	58.48	113.7	36.20	1.13	11.1	27.6	34.96	136.36	6.17
40	12/3L	11758.55	572674.9210	2869733.6550	180	0		11734.588	11782.511		50	15.25	47.9	15.25	0.00	0.0	1.6	0.00	24.10	6.17
41	13/1L	12696.677	572891.7290	287176.2780	170	70	12574.254	12644.254	12749.100	12819.100	65	58.93	104.8	35.34	1.20	11.8	26.6	34.95	131.67	7.00
42	13/2R	12974.36	572691.0640	2871378.1390	200	45	12910.646	12955.646	12993.074	13038.074	50	23.61	37.4	10.72	0.42	6.4	4.8	22.49	64.39	5.56
43	14/1L	13096.215	572641.9900	2871492.0320	250	35	13050.114	13085.114	13107.316	13142.316	50	13.11	22.2	5.09	0.20	4.0	1.8	17.50	46.25	4.44
44	14/2L	13320.447	572519.1500	2871667.0150	160	55	13215.601	13270.601	13370.292	13425.292	50	55.39	99.7	35.70	0.79	9.8	21.6	27.47	111.88	6.94
45	14/3R	13441.639	572364.3880	2871693.0070	125	0		13410.701	13472.576		40	28.36	61.9	28.36	0.00	0.0	3.9	0.00	31.59	5.69
46	14/4R	13935.552	572066.6920	2872066.2670	200	60	13839.161	13899.161	13971.943	14031.943	65	38.04	72.8	20.85	0.75	8.6	12.3	29.98	99.18	7.00
47	15/1L	14381.745	572015.0900	2872521.6140	230	55	14256.907	14311.907	14451.583	14506.583	65	48.50	139.7	34.79	0.56	6.9	22.9	27.49	131.33	7.00
48	15/2R	14641.41	571867.4860	2872670.8740	200	60	14511.313	14571.313	14638.287	14698.287	65	36.38	67.0	19.19	0.75	8.6	11.3	29.98	95.93	7.00
49	16/1R	15097.235	571710.8760	2873319.1840	500	45	15212.002	15257.002	15281.488	15326.488	80	7.96	24.5	2.81	0.17	2.6	1.4	22.50	57.31	5.69
50	16/2L	15557.443	571683.1170	2873801.3780	250	90	15449.112	15539.112	15563.774	15653.774	80	26.28	24.7	5.65	1.35	10.3	8.1	44.95	103.62	7.00
51	16/3R	15737.722	571584.0060	2873760.6280	3000	0		15727.511	15747.933		80	0.39	20.4	0.39	0.00	0.0	0.0	10.21	-	
52	16/4R	15996.111	571500.4640	2873896.9190	350	65	15784.739	15849.739	15942.483	16007.483	80	25.82	92.7	15.18	0.50	5.3	9.6	32.49	112.84	7.00
53	17/1L	16206.231	571469.5190	2874207.8420	250	56	16126.470	16181.470	16230.992	16285.992	65	23.95	49.5	11.35	0.50	6.3	6.1	27.49	80.63	7.00
54	17/2R	16664.473	571242.4770	2874606.8870	12500	0		16565.582	16672.364		80	0.07	15.8	0.07	0.00	0.0	0.0	0.00	7.89	-
55	17/3L	16931.063	571110.9350	2874838.7630	2500	0		16920.198	16941.927		80	0.50	21.7	0.50	0.00	0.0	0.0	10.86	-	
56	18/1L	17050.476	571050.8040	2874942.6450	240	60	16976.026	17036.026	17084.925	17124.925	65	21.22	28.9	6.90	0.63	7.2	4.8	29.98	75.07	7.00
57	18/2L	17413.666	570766.9290	2875170.1770	6000	0		17398.759	17428.573		65									

Horizontal Curve Details

Table with 22 columns: Sr. No., HIP No., HIP Chainage, Easting, Northing, Radius, Transition Length, Transition Start, Circular Start, Circular End, Transition End, Speed, Degree, Lc, Dc, Shift(S), Theta_s, Es, k, Ts(m), e. It contains detailed data for 58 horizontal curves.

Station Equation: 39+951.459=39+950

Manager (Tech.) BSRDCL PU-Katihar

D. G. M. (Tech.) BSRDCL PU-Katihar



Client: Bihar State Road Development Corporation Limited (BSRDCL) (A Government of Bihar Undertaking)

Project: Consultancy Services for Preparation of Detailed Project Report of different State Highway in Bihar Baysi - Bahadurganj - Dighalbank (SH-99)

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

Revision table with columns: REV., DATE, DESCRIPTION, SIGN, ISSUED BY

Title: RAUTA MAHADEV DIGNI CHOWK (PACKAGE-II) HORIZONTAL ALIGNMENT DETAIL. DRG. NO.: SAI-213007/DPR/CH/HAD-01. REVISION: PG

Not to be used as reference

Horizontal Curve Details																				
Sr. No.	HIP No.	HIP Chainage	Easting	Northing	Radius	Transition Length	Transition Start	Circular Start	Circular End	Transition End	Speed	Delta	Lc	Dc	Shift(S)	Theta_s	Es	k	Ts(m)	e
		m			m	m	m	m	m	m	km/h	Degree	m	Degree	m	Degree	m	m	m	%
66	64/5L	63879.44	583988.74	2914191.17	1000	0		63856.18	63902.71		65	2.666	46.535	2.666	0.000	0.000	0.271	0.000	23.272	-
67	65/1R	64005.06	583951.84	2914311.25	1000	0		63992.42	64017.71		65	1.449	25.283	1.449	0.000	0.000	0.080	0.000	12.642	-
68	65/2R	64136.76	583916.24	2914438.41	250	55	64071.50	64126.50	64147.02	64200.00	80	17.307	20.518	4.702	0.500	6.303	3.385	27.489	65.614	7.00
69	65/3L	64627.14	584034.5250	2914904.1470	2000	0		64551.365	64702.911		80	4.34	151.5	4.34	0.00	0.0	1.4	0.00	75.81	-
70	65/4R	64810.48	584105.5440	2915073.2550	1250	0		64756.877	64864.000		80	4.91	107.2	4.91	0.00	0.0	1.2	0.00	53.64	-
71	66/1L	65200.74	584287.3570	2915419.6310	500	45	65091.583	65136.583	65264.000	65309.894	80	19.86	128.3	14.70	0.17	2.6	7.8	22.50	110.05	5.69
72	66/2L	65578.57	584338.9880	2915794.8340	2000	0		65573.502	65664.000		100	0.29	10.1	0.29	0.00	0.0	0.0	0.00	5.07	-
73	66/3L	65820.33	584370.7320	2916034.5100	2000	0		65777.350	65863.000		100	2.46	85.9	2.46	0.00	0.0	0.5	0.00	42.96	-
74	67/1R	66355.33	584418.1420	2916567.4130	3500	0		66325.800	66364.774		100	0.96	58.9	0.96	0.00	0.0	0.1	0.00	29.44	-
75	67/2L	66630.49	584447.1330	2916841.0500	5000	0		66526.678	66734.295		100	2.38	207.6	2.38	0.00	0.0	1.1	0.00	103.82	-
76	68/1R	67077.54	584475.7390	2917287.2060	5200	0		66950.715	67168.354		100	2.00	181.6	2.00	0.00	0.0	0.8	0.00	90.83	-
77	68/2L	67605.11	584527.8840	2917812.2060	5200	0		67290.665	67650.047		100	0.99	89.9	0.99	0.00	0.0	0.2	0.00	44.94	-
78	68/3R	67781.03	584542.2170	2917987.5420	3000	0		67769.309	67792.745		100	0.45	23.4	0.45	0.00	0.0	0.0	0.00	11.72	-
79	69/1R	68102.48	584570.9800	2918307.8820	4000	0		67800.418	68304.547		100	5.79	404.1	5.79	0.00	0.0	5.1	0.00	202.24	-
80	69/2R	68582.3	584661.8550	2918779.1850	3500	0		68539.650	68624.941		100	1.40	85.3	1.40	0.00	0.0	0.3	0.00	42.65	-
81	70/1L	69052.8	584762.1900	2919238.8930	3500	0		68954.847	69150.750		100	3.21	195.9	3.21	0.00	0.0	1.4	0.00	97.98	-
82	70/2R	69380.71	584814.1010	2919562.7920	5000	0		69189.385	69572.039		100	4.38	382.7	4.38	0.00	0.0	3.7	0.00	191.42	-
83	71/1L	70308.94	585030.6600	2920465.5090	5000	0		70219.363	70398.543		100	2.05	179.2	2.05	0.00	0.0	0.8	0.00	89.58	-
84	71/2R	70647.67	585097.8320	2920797.5280	6500	0		70628.168	70667.180		100	0.34	39.0	0.34	0.00	0.0	0.0	0.00	19.51	-
85	72/1L	71214.27	585214.6110	2921357.4410	800	30	70984.030	71014.030	71414.518	71444.518	80	30.83	400.5	28.68	0.05	1.1	29.9	15.00	235.61	3.56
86	72/2R	71549.65	585103.3950	2921679.5180	5500	0		71487.515	71611.781		80	1.29	124.3	1.29	0.00	0.0	0.4	0.00	62.14	-
87	72/3L	71752.99	585041.3840	2921873.1720	5500	0		71717.458	71788.512		80	0.74	71.1	0.74	0.00	0.0	0.1	0.00	35.53	-
88	73/1R	72180.23	584905.8280	2922278.4020	3800	0		72043.021	72317.432		65	4.14	274.4	4.14	0.00	0.0	2.5	0.00	137.27	-
89	73/2R	72693.53	584778.0480	2922777.5750	1500	55	72618.438	72673.438	72713.615	72768.615	50	36.35	40.2	15.35	0.84	10.5	8.8	27.47	77.00	7.00
90	74/1R	73159.67	584953.3580	2923211.5530	2000	0		73144.513	73174.822		65	0.87	30.3	0.87	0.00	0.0	0.1	0.00	15.15	-
91	74/2L	73522.81	585094.4640	2923546.1000	2000	0		73490.039	73555.588		80	1.88	65.5	1.88	0.00	0.0	0.3	0.00	32.78	-
92	74/3R	73744.08	585173.7120	2923750.5600	2000	0		73729.405	73758.750		100	0.84	29.3	0.84	0.00	0.0	0.1	0.00	14.67	-

Manager (Tech.)
BSRDCL
PIU-Katihar

D. G. M. (Tech.)
BSRDCL
PIU-Katihar



Client:
Bihar State Road Development Corporation Limited (BSRDCL)
(A Government of Bihar Undertaking)

Project:
Consultancy Services for Preparation of Detailed Project Report of different State Highway in Bihar
Baysi - Bahadurganj - Dighalbank (SH-99)

Consultants:
SAI Consulting Engineers Pvt. Ltd.
An ISO 9001 Certified Company
Block-A 'SAI House', Sanyal Corporate Square, Bih Rajpath
Lucknow, India. Phone: +91-522-2601700, Fax: +91-522-2601700
Email: raj@saiconsultants.com

REV.	DATE	DESCRIPTION	SIGN	ISSUED BY	R.H.A.
PG	31/07/19	GOOD FOR CONSTRUCTION (REVISED DPR)		DRAWN BY	R.K.
PF	17/12/18	GOOD FOR CONSTRUCTION (DPR)		CHECKED BY	A.S.
PE	10/04/14	GOOD FOR CONSTRUCTION (DPR)		APPROVED BY	J.D.
PD	26/02/14	ISSUED WITH FINAL DPR			
PC	13/11/13	ISSUED WITH DPR			
PB	29/09/13	ISSUED WITH FFR			

Title: **LRP, CHOWK (BAHADURGANJ) - DIGHALBANK (PACKAGE-III)**
HORIZONTAL ALIGNMENT-DETAIL

DRG. NO.: **SAI-213007/DPR/CI/H/HAD - 02**

REVISION: PG

Not to be used as a Bid Document, Only for Reference

Vertical Curve Detail							
Sr. No.	VIP Chainage	Level (m)	Gradient (%)	% Change in grade	Type of Curve	Curve Length (m)	K Value
1	0.000	35.966				0.000	
2	56.119	34.563	-2.500	-2.641	Valley	50.000	18.9
3	155.933	34.704	0.141	-1.358	Valley	60.000	44.2
4	254.686	36.185	1.500	3.000	Summit	100.000	33.3
5	388.838	34.173	-1.500	-1.652	Valley	60.000	36.3
6	792.612	34.788	0.152	0.292	Summit	200.000	684.3
7	1378.758	33.969	-0.140	-0.240	Valley	300.000	1250.4
8	1646.208	34.236	0.100	0.250	Summit	70.000	279.6
9	1921.477	33.823	-0.150	-0.305	Valley	60.000	196.8
10	2313.749	34.429	0.155	0.394	Summit	60.000	152.1
11	2461.905	34.074	-0.240	-0.642	Valley	60.000	93.5
12	2700.992	35.035	0.402	0.240	Summit	100.000	416.0
13	2912.101	35.377	0.162	0.670	Summit	100.000	149.2
14	3128.536	34.276	-0.509	-0.409	Valley	60.000	146.8
15	3414.238	33.990	-0.100	-1.183	Valley	200.000	169.1
16	3670.196	36.762	1.083	1.829	Summit	200.000	109.4
17	3971.041	34.519	-0.746	-0.565	Valley	60.000	106.3
18	4265.849	33.984	-0.181	-0.379	Valley	60.000	158.2
19	4415.346	34.281	0.198	0.351	Summit	60.000	170.8
20	4593.083	34.008	-0.153	-0.308	Valley	60.000	194.6
21	4934.759	34.539	0.155	0.262	Summit	100.000	381.3
22	5085.981	34.377	-0.107	-0.263	Valley	60.000	228.1
23	5247.710	34.629	0.156	0.421	Summit	60.000	142.4
24	5531.485	33.876	-0.265	-0.443	Valley	60.000	135.5
25	5771.938	34.302	0.177	0.347	Summit	60.000	172.7
26	5945.822	34.006	-0.170	-0.380	Valley	60.000	158.0
27	6163.460	34.462	0.210	0.412	Summit	60.000	145.6
28	6545.112	33.689	-0.202	-0.302	Valley	60.000	198.4
29	6746.641	33.891	0.100	0.200	Summit	60.000	300.0
30	6901.728	33.736	-0.100	-0.202	Valley	60.000	291.6
31	7025.094	33.862	0.102	0.307	Summit	60.000	151.6
32	7186.493	33.531	-0.205	-0.313	Valley	60.000	91.4
33	7500.844	33.873	0.109	0.209	Summit	60.000	277.2
34	7665.081	33.708	-0.100	-1.776	Valley	65.000	36.6
35	7813.885	36.201	1.676	3.372	Summit	175.000	51.9
36	7971.440	33.529	-1.696	-2.345	Valley	70.000	29.9
37	8194.214	34.974	0.649	-1.860	Valley	100.000	53.8
38	8435.881	41.038	2.509	5.079	Summit	100.000	33.5
39	8635.091	35.919	-2.570	-1.723	Valley	60.000	34.8
40	8831.589	34.254	-0.847	-0.605	Valley	100.000	165.3
41	9011.787	33.818	-0.242	-0.363	Valley	60.000	165.4
42	9206.161	34.053	0.121	0.370	Summit	60.000	161.9
43	9373.567	33.635	-0.250	-0.354	Valley	100.000	282.8
44	10530.666	34.837	0.104	0.244	Summit	60.000	268.0
45	10917.730	34.373	-0.120	-0.414	Valley	60.000	125.7
46	11104.357	35.039	0.357	0.689	Summit	60.000	87.6
47	11332.515	34.291	-0.328	-0.449	Valley	150.000	334.3
48	11577.204	34.586	0.121	0.377	Summit	60.000	159.3
49	12020.488	33.452	-0.256	-0.434	Valley	100.000	230.5
50	12451.249	34.218	0.178	0.298	Summit	100.000	335.8
51	12668.349	33.957	0.106	0.106	Summit	60.000	566.0
52	12997.452	33.213	-0.266	-2.726	Valley	60.000	22.0
53	13104.919	35.900	2.500	2.500	Summit	50.000	20.0
54	13241.967	35.900	0.000	2.500	Summit	50.000	20.0
55	13352.168	33.142	-2.500	-2.686	Valley	60.000	22.3
56	13614.640	33.623	0.186	0.347	Summit	100.000	287.8
57	13803.713	33.328	-0.161	0.381	Summit	60.000	157.3
58	13898.955	32.811	-0.543	-1.049	Valley	60.000	57.2
59	14031.515	33.481	0.506	0.287	Summit	60.000	208.9
60	14287.115	34.063	0.219	-0.783	Valley	60.000	76.7

Vertical Curve Detail							
Sr. No.	VIP Chainage	Level (m)	Gradient (%)	% Change in grade	Type of Curve	Curve Length (m)	K Value
61	14373.981	34.829	1.001	1.479	Summit	60.000	40.6
62	14533.097	34.061	-0.477	0.032	Summit	60.000	1861.4
63	14660.820	33.118	-0.510	-0.296	Valley	60.000	202.6
64	14876.940	33.951	-0.213	-0.492	Valley	60.000	121.9
65	15134.380	33.075	0.279	0.158	Summit	60.000	379.6
66	15426.844	33.028	0.121	0.311	Summit	60.000	193.0
67	15656.800	33.590	-0.190	-0.050	Valley	60.000	1211.2
68	15911.130	33.227	-0.141	-0.264	Valley	60.000	227.3
69	16211.410	33.595	0.123	0.257	Summit	60.000	233.5
70	16445.744	33.284	-0.134	-0.237	Valley	60.000	253.6
71	16752.382	33.518	0.103	0.220	Summit	60.000	273.1
72	16984.100	33.153	-0.117	-0.212	Valley	60.000	282.4
73	18042.091	34.165	0.096	0.236	Summit	60.000	254.0
74	18500.219	33.521	-0.141	-0.240	Valley	60.000	250.4
75	18851.037	33.868	0.099	0.499	Summit	100.000	200.6
76	19055.622	33.051	-0.400	-0.500	Valley	125.000	250.2
77	19337.178	33.332	0.100	-0.062	Valley	60.000	975.0
78	19818.391	34.110	0.162	0.261	Summit	60.000	229.5
79	20002.729	33.926	-0.100	0.041	Summit	60.000	1458.9
80	20171.204	33.688	-0.141	-0.243	Valley	60.000	247.4
81	20377.055	33.897	0.102	-0.231	Valley	60.000	260.0
82	20653.603	34.816	0.332	0.491	Summit	100.000	203.7
83	20910.496	34.408	-0.159	0.155	Summit	60.000	386.5
84	21090.953	33.841	-0.314	-2.712	Valley	150.000	55.3
85	21240.753	37.433	2.398	-0.383	Valley	60.000	156.8
86	21477.650	44.020	2.780	5.667	Summit	250.000	44.1
87	21705.870	37.432	-2.887	-1.540	Valley	60.000	39.0
88	21901.128	34.802	-1.347	-1.133	Valley	60.000	53.0

Manager (Tech.)
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Patna

D. G. M. (Tech.)
BSRDCL
Patna-Katihar



 <p>Bihar State Road Development Corporation Limited (BSRDCL) (A Government of Bihar Undertaking)</p>	<p>PROJECT: Consultancy Services for Preparation of Detailed Project Report of different State Highway in Bihar <i>Baysi - Bahadurganj - Dighalbank (SH-99)</i></p>	<p>CONSULTANTS: SAI Consulting Engineers Pvt. Ltd. An ISO 9001 Certified Company Block-A "SAI House", Satyam Corporate Square, B/n Rajpath Club, Bodokan, Ahmedabad-380059, Gujarat, India. Phone: +91-79-65117600/700, Fax: +91-79-65117630 Email: sai@saicond.com</p>	<p>DO: 31/07/18 PF: 17/12/18 PE: 10/04/14 PD: 26/02/14 PC: 01/01/14 PB: 13/11/13</p>	<p>GOOD FOR CONSTRUCTION (REVISED DPR) GOOD FOR CONSTRUCTION (DPR) GOOD FOR CONSTRUCTION (DPR) ISSUED WITH FINAL DPR ADDENDUM OF DPR ISSUED WITH DPR</p>	<p>DRAWN BY: : R.K. CHECKED BY: : A.S. APPROVED BY: : J.D.</p>	<p>TITLE: BAYSI - RAUTA (PACKAGE-I) VERTICAL ALIGNMENT DETAIL</p>
			<p>REV: DATE DESCRIPTION SIGN</p>	<p>ISSUED BY: : R.H.</p>	<p>DRG. NO.: SAI-213007/DPR/C/H/VAD - 01</p>	<p>REVISION: PG</p>

Vertical Curve Detail							
Sr. No.	VIP Chainage	Level (m)	Gradient (%)	% Change in grade	Type of Curve	Curve Length (m)	K Value
1	22048.664	34.486	-0.214	-0.312	Valley	60.000	192.0
2	22311.675	34.745	0.099	0.199	Summit	100.000	503.6
3	22528.298	34.529	-0.100	-1.680	Valley	60.000	35.7
4	22634.701	36.210	1.580	2.274	Summit	75.000	33.0
5	22866.366	34.602	-0.694	-0.594	Valley	60.000	101.0
6	22985.124	34.483	-0.100	-0.388	Valley	60.000	154.5
7	23127.981	34.895	0.288	0.567	Summit	60.000	105.8
8	23252.583	34.547	-0.279	-0.533	Valley	60.000	112.6
9	23409.805	34.947	0.254	0.354	Summit	60.000	169.5
10	23605.480	34.751	-0.100	-0.285	Valley	60.000	210.8
11	23865.676	35.231	0.185	-1.261	Valley	60.000	47.6
12	24008.744	37.300	1.446	1.446	Summit	60.000	41.5
13	24151.322	37.300	0.000	1.513	Summit	60.000	39.7
14	24325.124	34.671	-1.513	-1.613	Valley	60.000	37.2
15	24639.509	34.986	0.100	-1.045	Valley	60.000	37.4
16	24861.841	37.532	1.145	1.868	Summit	80.000	12.8
17	25022.551	36.371	-0.722	-1.522	Valley	60.000	39.4
18	25177.427	37.610	0.800	1.600	Summit	100.000	62.5
19	25369.069	36.077	-0.800	-0.630	Valley	100.000	158.7
20	25752.909	35.425	-0.170	-0.069	Valley	100.000	875.0
21	26081.275	35.093	-0.101	-0.232	Valley	100.000	430.3
22	26274.841	35.347	0.131	0.449	Summit	60.000	133.6
23	26497.808	34.639	-0.318	-1.718	Valley	200.000	116.4
24	26742.341	38.062	1.400	1.400	Summit	60.000	42.9
25	27084.841	38.062	0.000	1.400	Summit	60.000	42.9
26	27259.841	35.612	-1.400	-1.300	Valley	60.000	46.2
27	27414.827	35.457	-0.100	-0.200	Valley	60.000	300.0
28	27776.915	35.819	0.100	-1.001	Valley	60.000	54.5
29	27957.699	37.990	1.201	1.200	Summit	100.000	41.7
30	28199.311	35.093	-1.199	-1.057	Valley	60.000	41.2
31	28710.994	36.411	0.258	0.145	Summit	100.000	690.3
32	28948.954	36.679	0.113	0.220	Summit	60.000	272.3

Vertical Curve Detail							
Sr. No.	VIP Chainage	Level (m)	Gradient (%)	% Change in grade	Type of Curve	Curve Length (m)	K Value
33	29545.773	36.036	-0.108	-0.608	Valley	60.000	98.7
34	29824.898	37.432	0.500	1.000	Summit	60.000	60.0
35	29992.797	36.593	-0.500	-0.681	Valley	60.000	88.1
36	30288.123	37.127	0.181	0.338	Summit	100.000	295.8
37	30680.889	36.510	-0.157	-0.733	Valley	60.000	81.9
38	30880.632	37.660	0.575	0.685	Summit	60.000	87.6
39	31271.539	37.231	-0.110	-0.251	Valley	60.000	238.8
40	31552.505	37.629	0.142	0.426	Summit	100.000	234.7
41	31916.951	36.593	-0.284	-0.574	Valley	60.000	104.5
42	32088.676	37.091	0.290	0.190	Summit	60.000	315.8
43	32910.673	37.913	0.100	0.204	Summit	100.000	491.3
44	33404.929	37.401	-0.104	-0.226	Valley	60.000	265.0
45	33740.951	37.814	0.123	-0.648	Valley	60.000	92.7
46	33841.547	38.589	0.770	1.692	Summit	60.000	35.5
47	33949.373	37.596	-0.922	-1.178	Valley	60.000	50.9
48	34295.223	38.484	0.257	0.421	Summit	60.000	142.5
49	34785.855	37.678	-0.164	-0.778	Valley	100.000	128.5
50	35006.386	39.031	0.614	0.492	Summit	75.000	152.4
51	35602.684	39.756	0.122	-1.878	Valley	70.000	37.3
52	35755.223	42.807	2.000	4.000	Summit	150.000	37.5
53	35939.695	39.118	-2.000	-2.308	Valley	100.000	43.3
54	36180.223	39.860	0.308	1.489	Summit	60.000	40.3
55	36311.472	38.310	-1.181	-1.611	Valley	60.000	37.3
56	36478.907	39.029	0.430	0.329	Summit	60.000	182.6
57	36644.098	39.196	0.101	-0.464	Valley	60.000	129.3
58	36845.724	40.335	0.565	0.804	Summit	60.000	74.6
59	37207.052	39.472	-0.239	0.018	Summit	60.000	3294.2
60	37435.333	38.885	-0.257	-2.007	Valley	100.000	49.8
61	37674.504	43.070	1.750	1.750	Summit	60.000	34.3
62	37827.723	43.070	0.000	1.000	Summit	60.000	60.0
63	38222.504	39.122	-1.000	-1.142	Valley	100.000	87.6
64	38935.126	40.135	0.142	0.245	Summit	100.000	408.1
65	39103.198	39.962	-0.103	0.135	Summit	60.000	444.6
66	39260.841	39.587	-0.238	-0.338	Valley	60.000	177.7
67	39514.313	39.840	0.100	-0.323	Valley	60.000	185.6
68	39690.168	40.584	0.423	0.528	Summit	60.000	113.5
69	39857.228	40.408	-0.105	-0.204	Valley	60.000	294.8
Station Equation: 39+951.459=39+950							
70	40724.978	41.260	0.098	0.198	Summit	100.000	504.7
71	40954.597	41.030	-0.100	-0.210	Valley	100.000	476.2
72	41754.080	41.910	0.110	0.291	Summit	150.000	515.2
73	42270.846	40.973	-0.181	-0.323	Valley	60.000	185.9
74	42938.589	41.920	0.142	0.431	Summit	100.000	232.3
75	43133.794	41.356	-0.289	-0.826	Valley	100.000	121.1
76	43324.579	42.380	0.537	0.348	Summit	60.000	172.4
77	43574.217	42.851	0.189	0.344	Summit	60.000	174.3
78	43986.083	42.210	-0.155	-0.628	Valley	150.000	238.8
79	44185.624	43.154	0.473	0.613	Summit	100.000	163.2
80	44627.890	42.535	-0.140	-0.198	Valley	60.000	303.1
81	45405.056	42.985	0.058	-0.037	Valley	0.000	0.0

Manager (Tech.)
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Bihar State Road Development Corporation Limited (BSRDCL)
(A Government of Bihar Undertaking)

PROJECT:
Consultancy Services for Preparation of Detailed Project Report of different State Highway in Bihar
Baysi - Bahadurganj - Dighalbank (SH-99)

CONSULTANTS:
SAL Consulting Engineers Pvt. Ltd.
An ISO 9001 Certified Company
Block-A "SAL House", Sofyan Corporate Square, W/A Rajpath
110, Budge Budge, Alameda Road, Kolkata-700032, India
Phone: +91-33-6614-2800/7007, Fax: +91-33-6614-2800
Email: info@salindia.com

REV.	DATE	DESCRIPTION	SIGN	ISSUED BY : R.H.
PG	31/07/19	GOOD FOR CONSTRUCTION (REVISED DPR)		DRAWN BY : R.K.
PF	17/12/18	GOOD FOR CONSTRUCTION (DPR)		CHECKED BY : A.S.
PE	10/04/14	GOOD FOR CONSTRUCTION (DPR)		APPROVED BY : J.D.
PD	26/02/14	ISSUED WITH FINAL DPR		
PC	01/01/14	ADDENDUM OF DPR		
PB	13/11/13	ISSUED WITH DPR		

TITLE : RAUTA-MAHADEVI DIGHI CHOWK (PACKAGE-II)
VERTICAL ALIGNMENT DETAIL
DRG. NO. :
SAI-213007/DPR/CH/NAVAD-01
REVISION : PG



Vertical Curve Detail							
Sr. No.	VIP Chainage	Level (m)	Gradient (%)	% Change in grade	Type of Curve	Curve Length (m)	K Value
1	52115.000	47.117				0.000	
2	52204.135	46.421	-0.781	-0.877	Valley	50.000	57.0
3	52771.056	46.969	0.097	0.193	Summit	45.000	232.8
4	53048.197	46.701	-0.097	-0.266	Valley	30.000	112.8
5	53340.966	47.196	0.169	-0.055	Valley	20.000	365.3
6	53611.367	47.802	0.224	0.331	Summit	30.000	90.6
7	53849.376	47.547	-0.107	-0.572	Valley	40.000	69.9
8	54025.000	48.364	0.465	0.706	Summit	25.000	35.4
9	54262.770	47.792	-0.241	-0.537	Valley	25.000	46.6
10	54584.791	48.746	0.296	0.408	Summit	30.000	73.5
11	55033.498	48.243	-0.112	-0.371	Valley	30.000	80.9
12	55587.614	49.677	0.259	0.544	Summit	200.000	367.4
13	55866.364	48.880	-0.286	-0.405	Valley	100.000	247.2
14	56492.610	49.625	0.119	-1.631	Valley	80.000	49.0
15	56678.020	52.870	1.750	3.500	Summit	150.000	42.9
16	56857.290	49.733	-1.750	-1.878	Valley	80.000	42.9
17	57151.228	50.109	0.128	0.286	Summit	60.000	109.1
18	57385.888	49.738	-0.158	-0.411	Valley	60.000	141.8
19	57819.062	50.836	0.253	0.678	Summit	60.000	85.5
20	58003.373	50.053	-0.425	-0.844	Valley	60.000	71.1
21	58154.446	50.686	0.419	0.314	Summit	60.000	191.0
22	58386.036	50.929	0.105	-0.254	Valley	60.000	236.1
23	58604.179	51.712	0.359	0.526	Summit	60.000	114.0
24	58791.352	51.399	-0.187	-0.269	Valley	60.000	223.4
25	59236.001	51.849	0.101	0.324	Summit	60.000	185.0
26	59392.950	51.499	-0.223	-0.407	Valley	60.000	147.5
27	59512.742	51.719	0.184	0.376	Summit	60.000	159.4
28	59644.219	51.466	-0.193	-0.741	Valley	60.000	80.8
29	59791.020	52.273	0.550	1.100	Summit	90.000	81.8
30	59928.448	51.517	-0.550	-0.998	Valley	60.000	56.2
31	60109.931	52.458	0.518	0.643	Summit	60.000	93.3
32	60304.206	52.216	-0.193	-0.318	Valley	60.000	188.9
33	60599.556	52.786	0.193	0.310	Summit	100.000	322.6
34	60802.687	52.533	-0.117	-0.557	Valley	60.000	107.6
35	60996.709	53.400	0.440	-0.860	Valley	60.000	69.8
36	61158.020	55.500	1.300	2.600	Summit	150.000	57.7
37	61370.466	53.738	-1.300	-1.615	Valley	100.000	61.9
38	61699.066	53.176	0.315	0.596	Summit	100.000	167.9
39	62000.066	52.881	-0.280	-0.397	Valley	100.000	251.7
40	62300.066	53.235	0.117	0.018	Summit	60.000	3319.4
41	63003.077	53.958	0.099	-0.022	Valley	60.000	2777.7
42	63426.255	54.407	0.120	0.599	Summit	60.000	100.2
43	63545.070	53.839	-0.478	-1.138	Valley	60.000	52.7

Vertical Curve Detail							
Sr. No.	VIP Chainage	Level (m)	Gradient (%)	% Change in grade	Type of Curve	Curve Length (m)	K Value
44	63634.100	54.428	0.660	0.786	Summit	60.000	76.4
45	63731.201	54.281	-0.126	-0.416	Valley	60.000	144.1
46	63930.801	54.745	0.291	0.408	Summit	60.000	147.1
47	64024.302	54.612	-0.117	-0.381	Valley	60.000	157.4
48	64393.493	55.587	0.264	0.613	Summit	60.000	97.8
49	64525.503	55.126	-0.349	-0.692	Valley	80.000	115.5
50	64707.654	55.751	0.343	0.443	Summit	100.000	225.6
51	64935.133	55.524	-0.100	0.098	Summit	60.000	615.1
52	65067.577	55.262	-0.198	-0.938	Valley	100.000	106.6
53	65181.020	56.102	0.740	0.531	Summit	60.000	113.0
54	65304.739	56.361	0.210	0.370	Summit	60.000	162.0
55	65557.056	55.955	-0.161	-0.649	Valley	60.000	92.5
56	65750.722	56.900	0.488	0.591	Summit	60.000	101.5
57	65903.859	56.742	-0.103	-0.402	Valley	60.000	149.2
58	66194.066	57.609	0.299	0.443	Summit	60.000	135.3
59	66372.735	57.351	-0.145	-0.281	Valley	60.000	213.8
60	66660.198	57.743	0.136	0.244	Summit	60.000	245.7
61	66816.054	57.574	-0.108	-0.494	Valley	125.000	253.3
62	67022.524	58.370	0.385	0.498	Summit	100.000	200.9
63	67407.670	57.937	-0.112	-0.227	Valley	60.000	264.2
64	68070.584	58.698	0.115	0.227	Summit	100.000	440.4
65	68297.182	58.443	-0.112	-0.536	Valley	60.000	112.0
66	68441.097	59.053	0.423	0.306	Summit	60.000	195.8
67	68857.035	59.539	0.117	-0.094	Valley	60.000	639.2
68	69149.425	60.156	0.211	0.322	Summit	100.000	310.5
69	69302.932	59.985	-0.111	-0.317	Valley	60.000	189.4
70	69868.614	61.148	0.206	0.306	Summit	100.000	327.2
71	70091.425	60.926	-0.100	-0.333	Valley	60.000	180.3
72	70450.352	61.761	0.233	0.133	Summit	200.000	1507.3
73	70966.472	62.277	0.100	0.251	Summit	60.000	238.7
74	71185.776	61.945	-0.151	-0.315	Valley	60.000	190.4
75	71672.459	62.742	0.164	0.458	Summit	60.000	131.1
76	71836.817	62.259	-0.294	-0.520	Valley	100.000	192.2
77	72041.020	62.721	0.226	0.116	Summit	100.000	859.5
78	72218.408	62.916	0.110	0.311	Summit	60.000	192.7
79	72366.398	62.618	-0.201	-0.443	Valley	60.000	135.5
80	72645.790	63.292	0.241	0.349	Summit	60.000	171.8
81	72881.980	63.037	-0.108	-0.108	Valley	60.000	555.7
82	73173.729	64.025	0.339	0.786	Summit	100.000	127.3
83	73341.133	63.277	-0.447	-1.947	Valley	100.000	51.4
84	73575.318	66.790	1.500	3.000	Summit	150.000	50.0
85	73761.224	64.001	-1.500	-1.698	Valley	75.000	44.2
86	73812.000	64.102	0.198	0.198	Summit	0.000	0.0

Manager (Tech.)
BSRDCL
PIU-Katihar

D. G. M. (Tech.)
BSRDCL
PIU-Katihar



Bihar State Road Development Corporation Limited (BSRDCL)
(A Government of Bihar Undertaking)

PROJECT:
Consultancy Services for Preparation of Detailed Project Report of different State Highway in Bihar
Baysi - Bahadurganj - Dighalbank (SH-99)

CONSULTANTS:
SAL SAI Consulting Engineers Pvt. Ltd.
An ISO 9001 Certified Company
Block-A "SAI House", Sanyal Corporate Square, B'n. Rajpath, (U.S. Buzurg, Alhabadabad-390059) Gujarat, India
Phone : +91-79-5642680/700, Fax : +91-79-6542090
Email : saic@saiconsulting.com

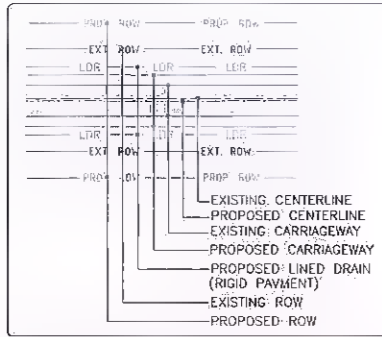
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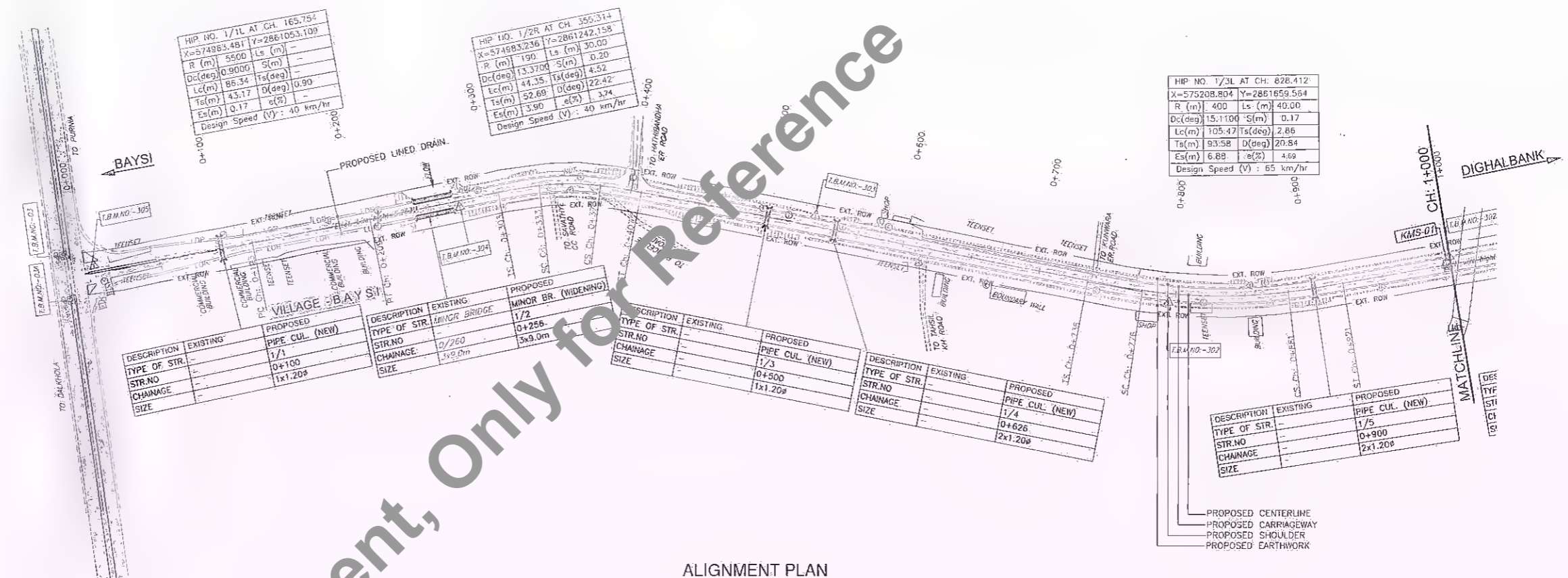
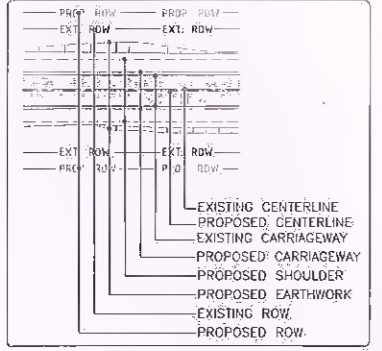
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REVISION: PG

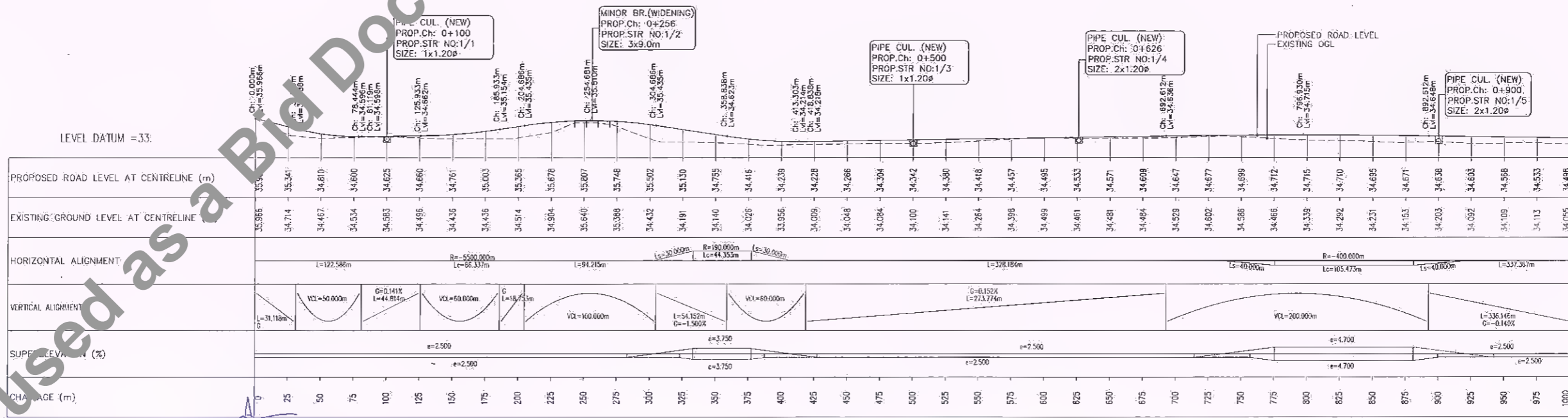
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Manager (Tech.)
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D. G M. (Tech.)
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PIU-Katihar

Bihar State Road Development Corporation Limited (BSRDCL)
(A Government of Bihar Undertaking)

PROJECT: Consultancy Services for Preparation of Detailed Project Report of different State Highway in Bihar
Baysi - Bahadurganj - Dighalbank (SH-99)

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

Block-A "SAI House" Satyam Corporate Square, 8th Ringpath, (Near Bodekda, Ahmedabad-380059, Gujarat, India)
Phone: +91-79-6512609/793, Fax: +91-79-6512600
Email: nsil@saicons.com

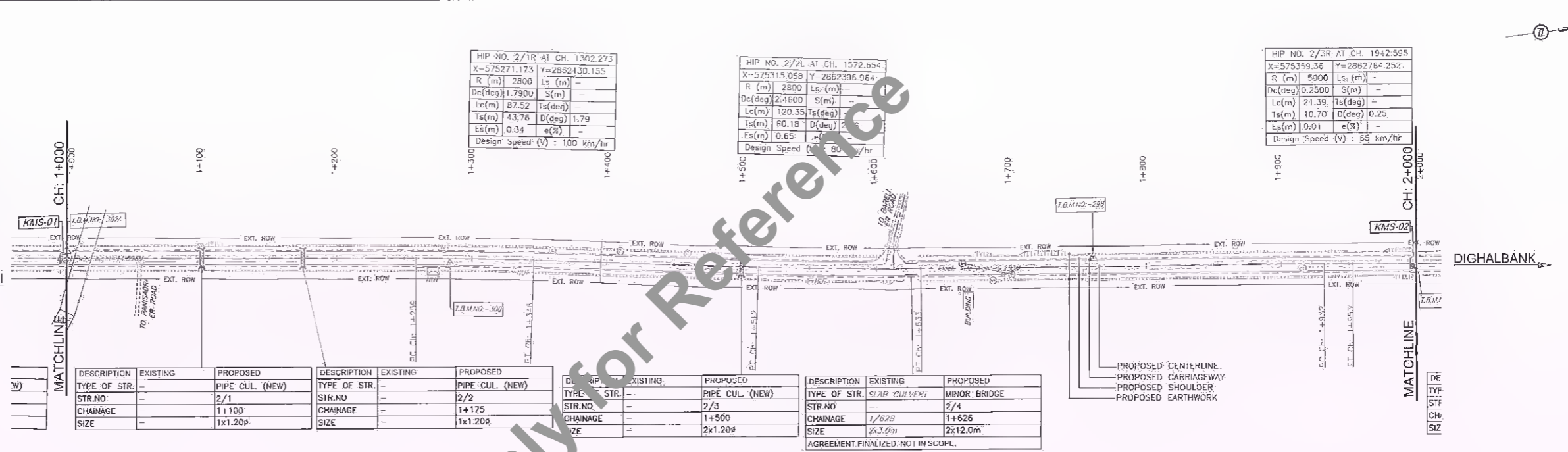
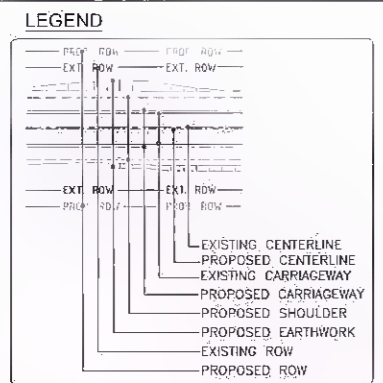
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PD	10/04/14	GOOD FOR CONSTRUCTION (DPR)		J.D.
PC	26/02/14	ISSUED WITH FINAL DPR		B.S.
PB	01/01/14	ADDENDUM OF DPR		
PA	13/11/13	ISSUED WITH DPR		

TITLE: BAYSI - RAUTA (PACKAGE-I)
ALIGNMENT PLAN & PROFILE
KM. 0+000 TO KM. 1+000

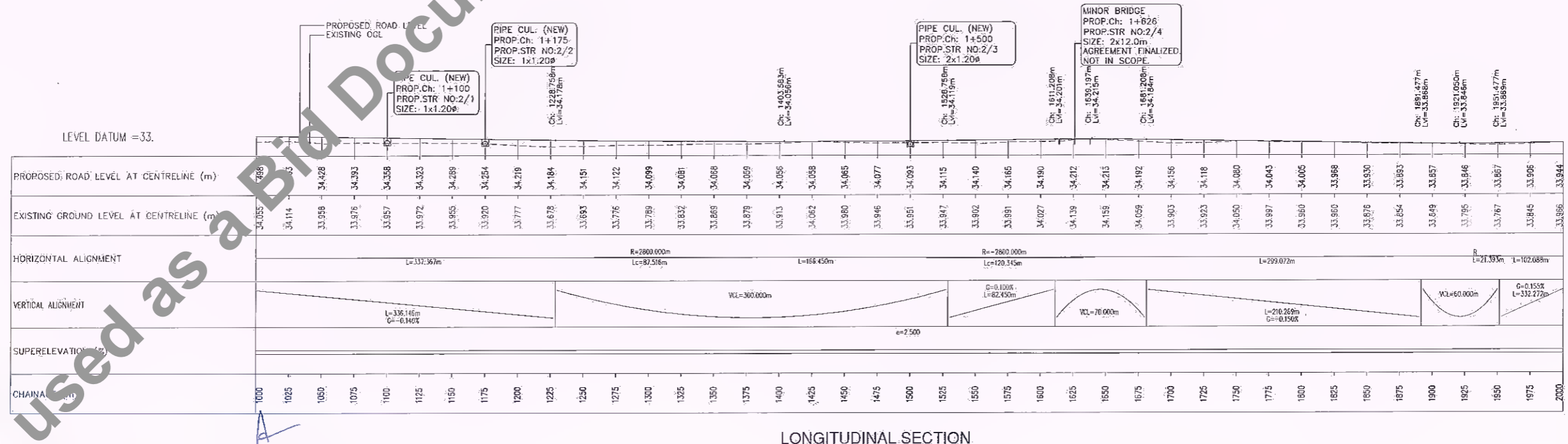
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Manager (Tech.)
BSRDCL
PIU-Katihar

D. G. M. (Tech.)
BSRDCL
PIU-Katihar

CLIENT: Bihar State Road Development Corporation Limited (BSRDCL) (A Government of Bihar Undertaking)

PROJECT: Consultancy Services for Preparation of Detailed Project Report of different State Highway in Bihar Baysi - Bahadurganj - Dighalbank (SH-99)

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

Block-A "SAI House", Satyan Corporate Square, 8th Ring Road, Badli, New Delhi-110028, India
Phone: +91-11-26109070, Fax: +91-11-26109071
Email: mail@saiindia.com

REV.	DATE	DESCRIPTION	SIGN	ISSUED BY
PF	31/07/19	GOOD FOR CONSTRUCTION (REVISED DPR)		
PE	17/12/18	GOOD FOR CONSTRUCTION (DPR)		
PD	10/04/14	GOOD FOR CONSTRUCTION (DPR)		
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PB	01/01/14	ADDITION OF DPR		
PA	13/11/13	ISSUED WITH DPR		

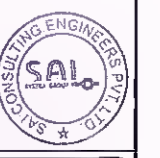
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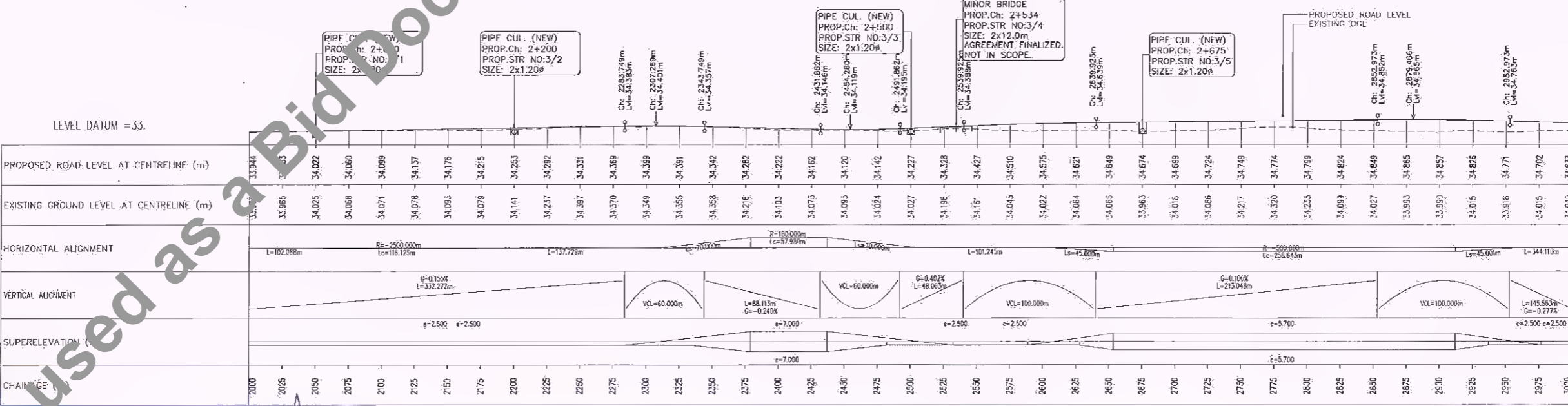
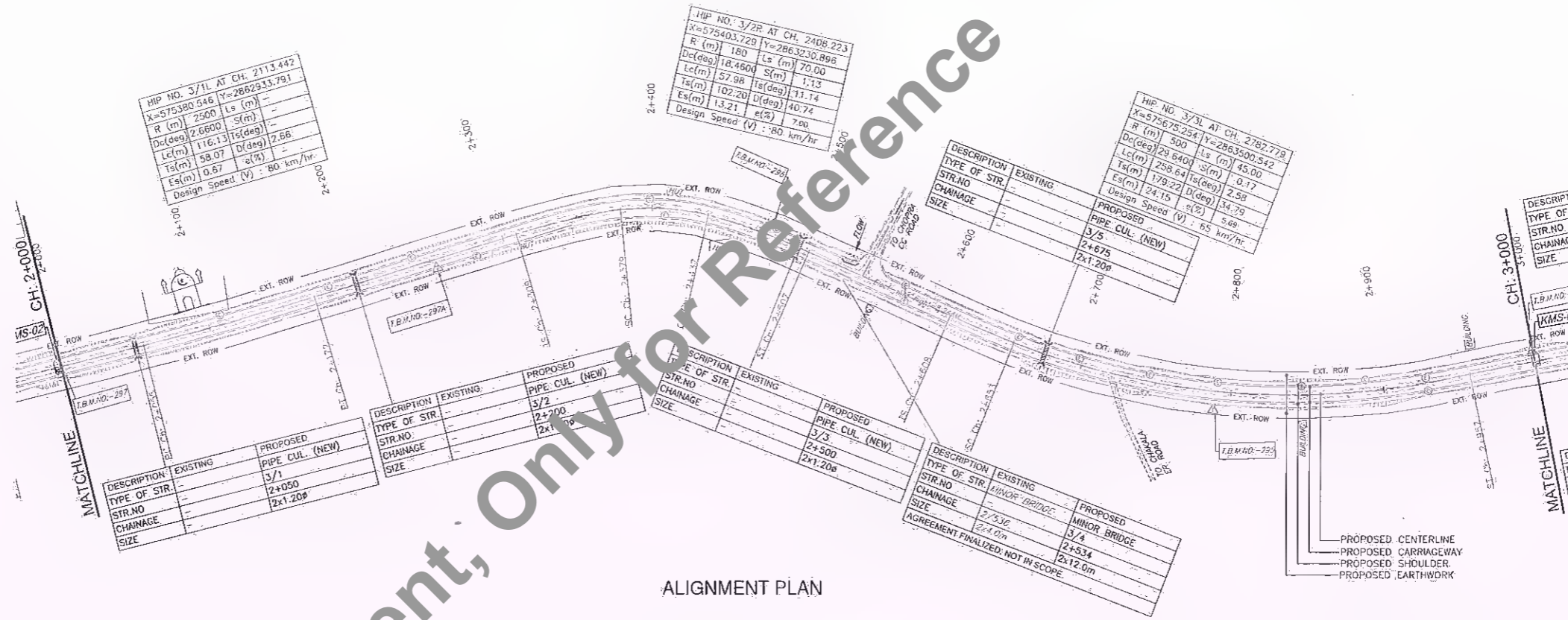
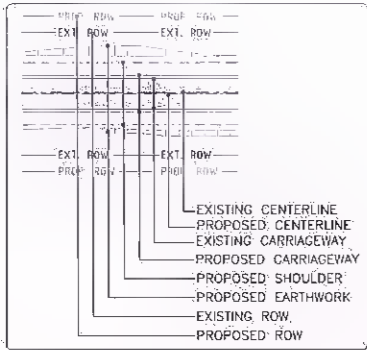
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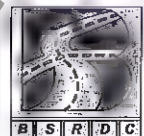
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Manager (Tech.)
BSRDCL
PIU-Katihar

D. G. M. (Tech.)
BSRDCL
PIU-Katihar



Bihar State Road Development Corporation Limited (BSRDCL)
(A Government of Bihar Undertaking)

PROJECT:
Consultancy Services for Preparation of Detailed Project Report of different State Highway in Bihar
Baysi - Bahadurganj - Dighalbank (SH-99)

CONSULTANTS:
SAI Consulting Engineers Pvt. Ltd.
An ISO 9001 Certified Company
Block-A "SAI House" Satyan Corporate Square, B/1 Rajpath
Club, Badli, New Delhi-110028, India
Phone: +91-79-66342600/2700, Fax: +91-79-66342800
Email: mail@saiindia.com

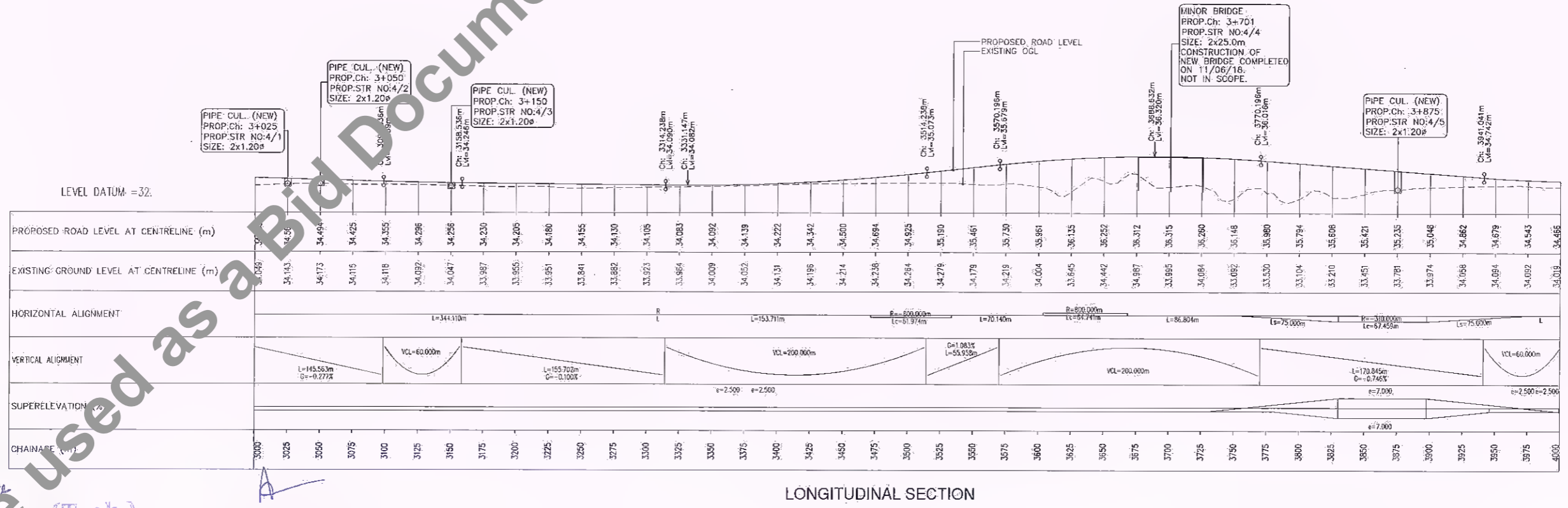
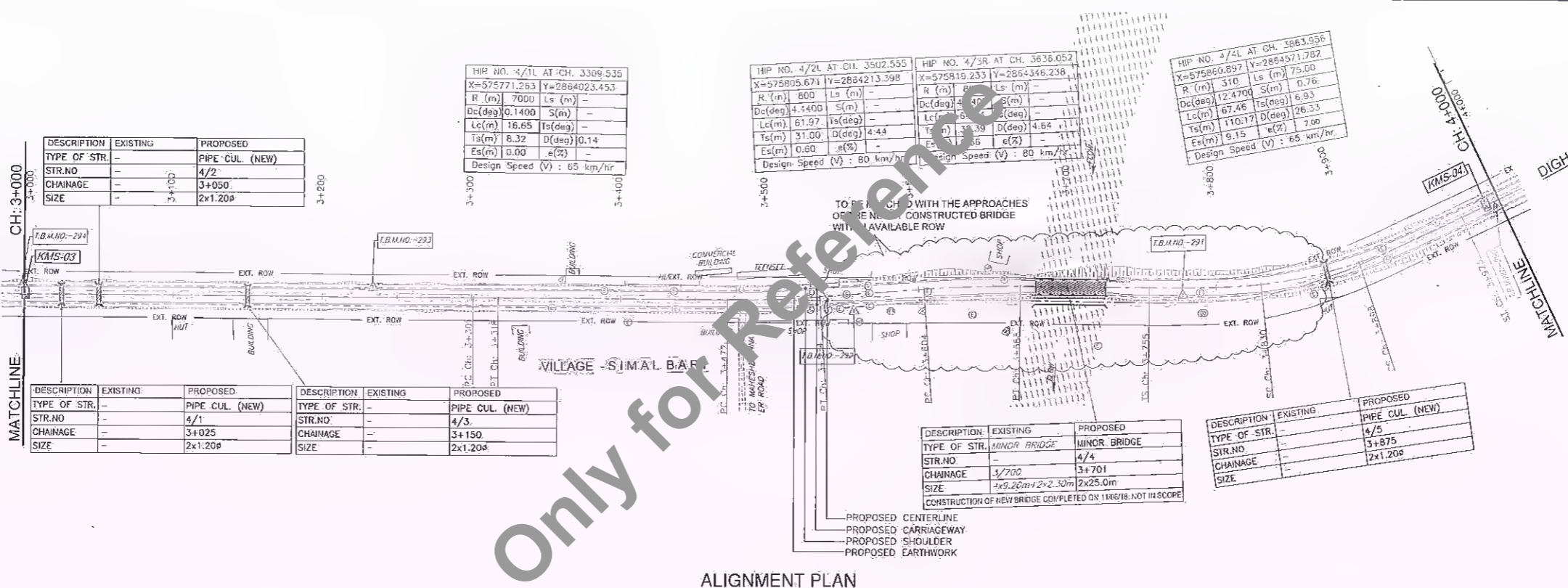
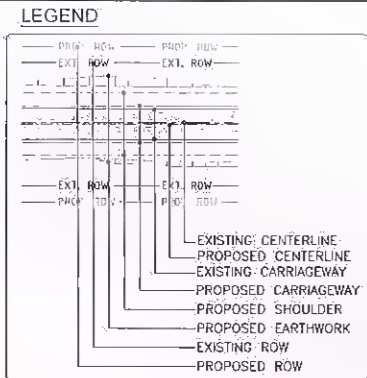
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PD	10/04/14	GOOD FOR CONSTRUCTION (DPR)			
PC	26/02/14	ISSUED WITH FINAL DPR			
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TITLE: BAYSI - RAUTA (PACKAGE-I)
ALIGNMENT PLAN & PROFILE
KM. 2+000 TO KM. 3+000

DRG. NO.: SAI-213007/DPR/CA/PPP - 03

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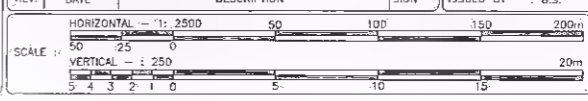


Manoj (Tech.)
BSRDCL
PIU-Katihar

D. G. M. (Tech.)
BSRDCL
PIU-Katihar



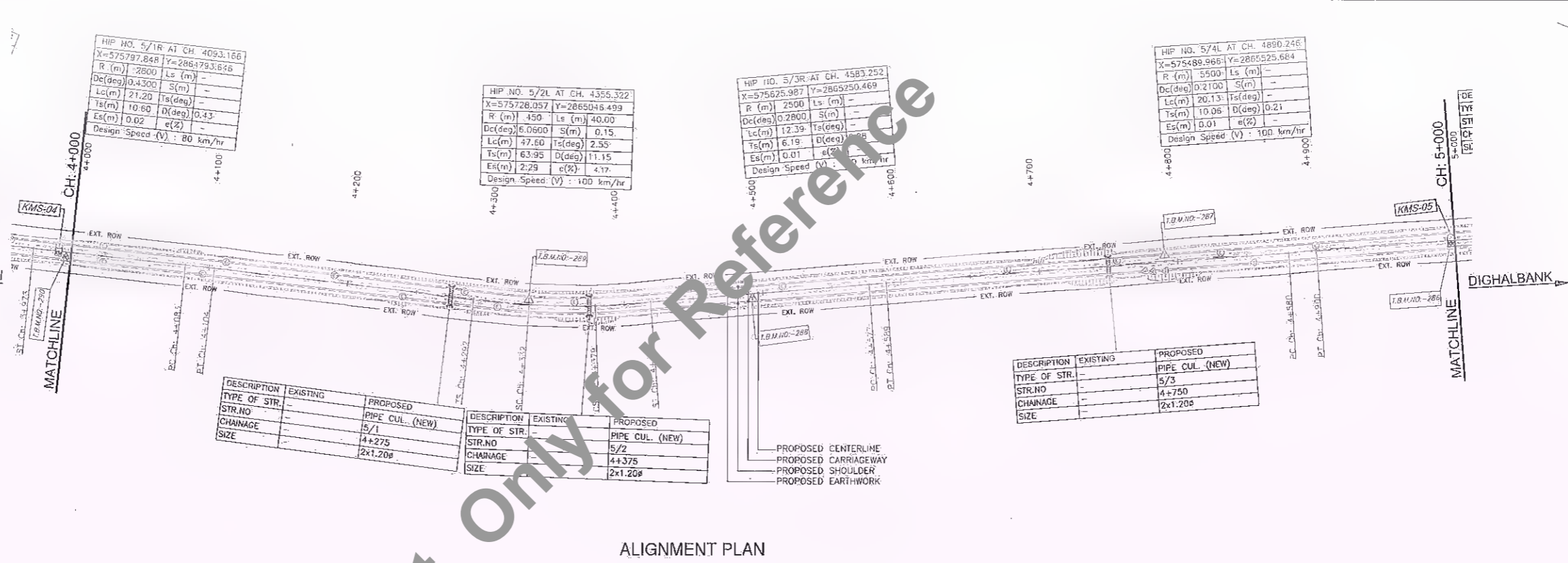
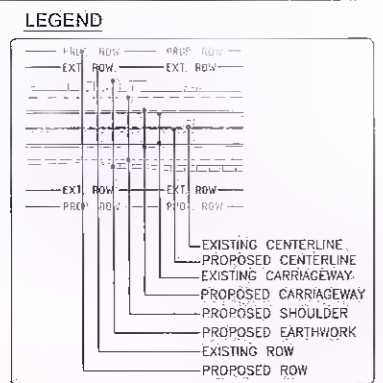
<p>Bihar State Road Development Corporation Limited (BSRDCL) (A Government of Bihar Undertaking)</p>	<p>PROJECT: Consultancy Services for Preparation of Detailed Project Report of different State Highway in Bihar <i>Baysi - Bahadurganj - Dighalbank (SH-99)</i></p>	<p>CONSULTANTS: SAL SAI Consulting Engineers Pvt. Ltd. An ISO 9001 Certified Company Block-A "Sai Heera" Salgaon, Corporate Square, B/7, Rajpath Club, Bopal, Ahmedabad-380015, Gujarat, India Phone: +91-79-66162600/709, Fax: +91-79-66162600 Email: mail@saiindia.com</p>	<p>DATE: 13/07/19 DESCRIPTION: GOOD FOR CONSTRUCTION (REVISED DPR)</p>	<p>DRAWN BY: R.K.</p>	<p>TITLE: BAYSI - RAUTA (PACKAGE-I) ALIGNMENT PLAN & PROFILE KM. 3+000 TO KM. 4+000</p>
			<p>DATE: 17/12/18 DESCRIPTION: GOOD FOR CONSTRUCTION (DPR)</p>	<p>CHECKED BY: A.S.</p>	
<p>DATE: 10/04/14 DESCRIPTION: GOOD FOR CONSTRUCTION (DPR)</p>	<p>DATE: 26/02/14 DESCRIPTION: ISSUED WITH FINAL DPR</p>	<p>DATE: 01/01/14 DESCRIPTION: ADDENDUM OF DPR</p>	<p>DATE: 13/11/13 DESCRIPTION: ISSUED WITH DPR</p>	<p>APPROVED BY: J.D.</p>	<p>DATE: 13/07/19 DESCRIPTION: GOOD FOR CONSTRUCTION (REVISED DPR)</p>
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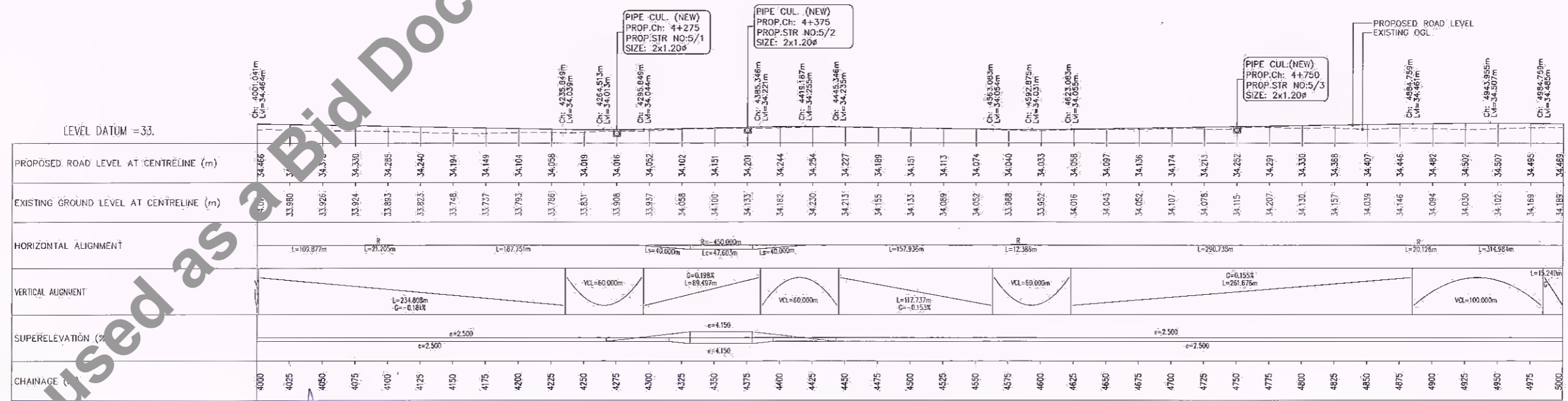
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(Tech)
D. G. M. (Tech.)
 BSRDCL
 PIU-Katihar

CLIENT:
 Bihar State Road Development Corporation Limited (BSRDCL)
 (A Government of Bihar Undertaking)

PROJECT:
 Consultancy Services for Preparation of Detailed Project Report of different State Highway in Bihar
 Baysi - Bahadurganj - Dighalbank (SH-99)

CONSULTANTS:
 SAI Consulting Engineers Pvt. Ltd.
 An ISO 9001 Certified Company
 Plot-A "SAI House", Sanyal Corporate Square, Bih Rajpath
 110, Bodokhe, Ahmedabad-380059, Gujarat, India
 Phone : +91-79-66142600/709, Fax : +91-79-66142800
 Email : sai@saiconsultants.com

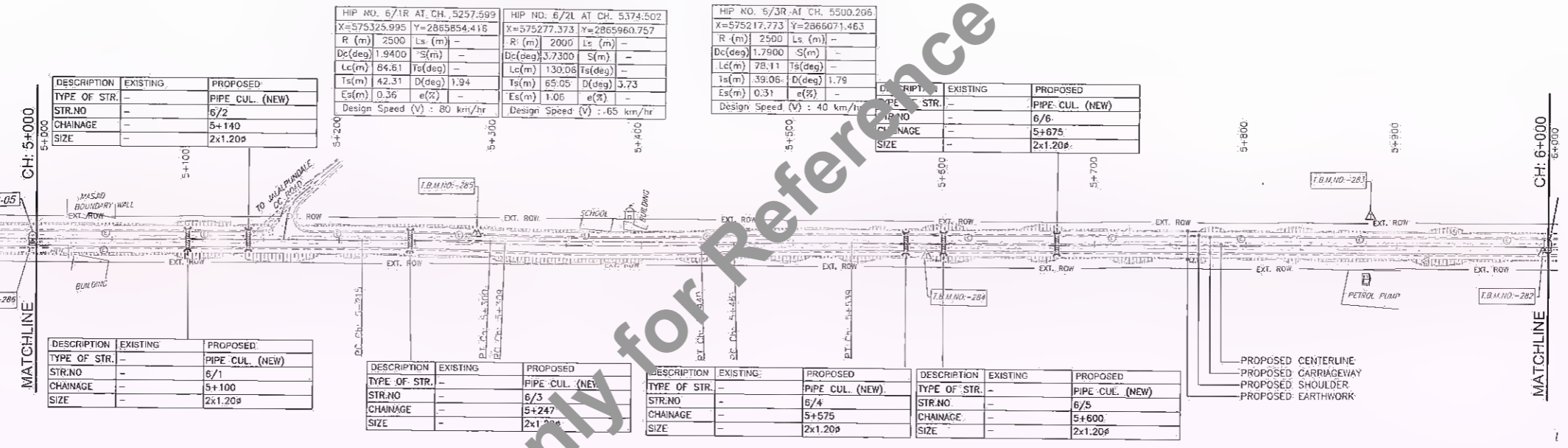
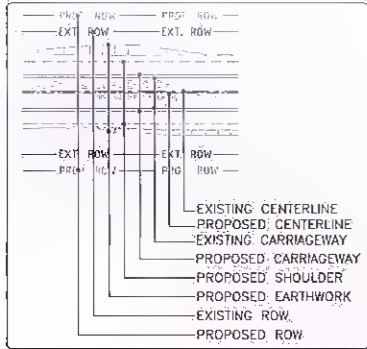
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TITLE: BAYSI - RAUTA (PACKAGE-I)
 ALIGNMENT PLAN & PROFILE
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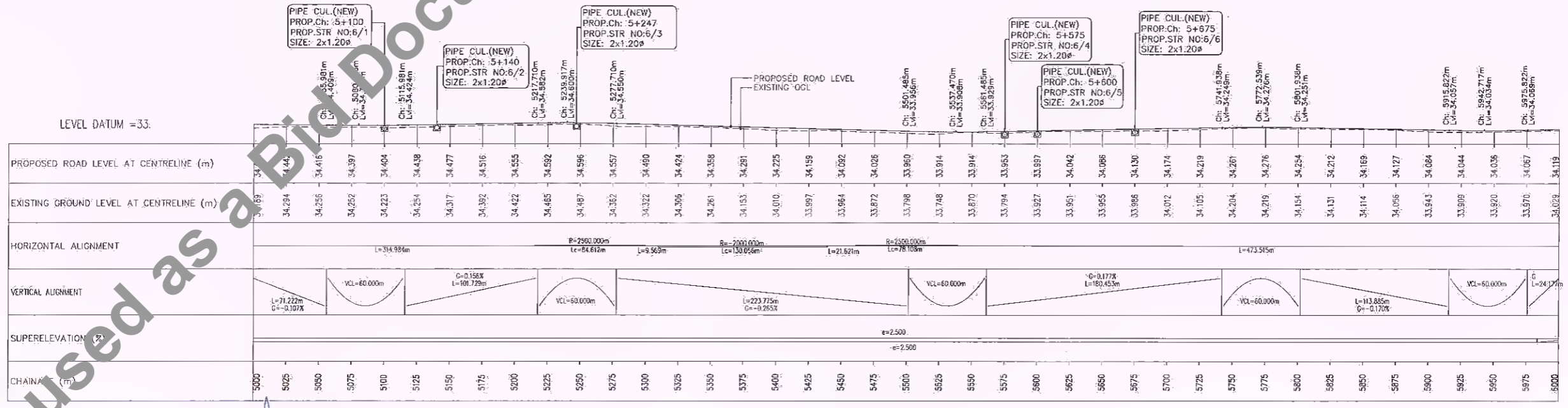
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Manager (Tech.)
BSRDCL
PIU-Katihar
D. G. M. (Tech.)
BSRDCL
PIU-Katihar

Bihar State Road Development Corporation Limited (BSRDCL)
(A Government of Bihar Undertaking)

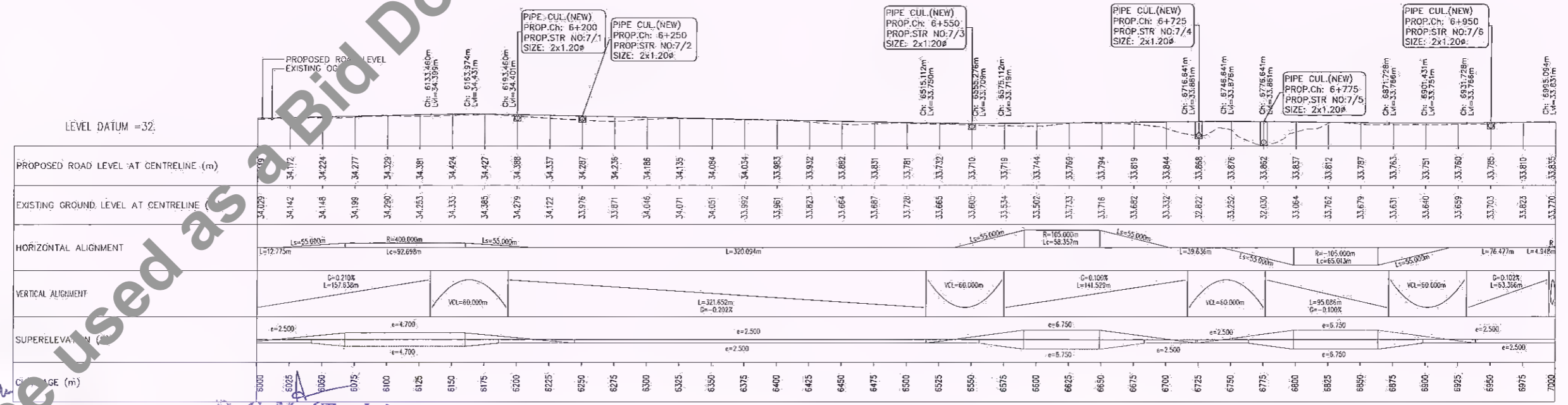
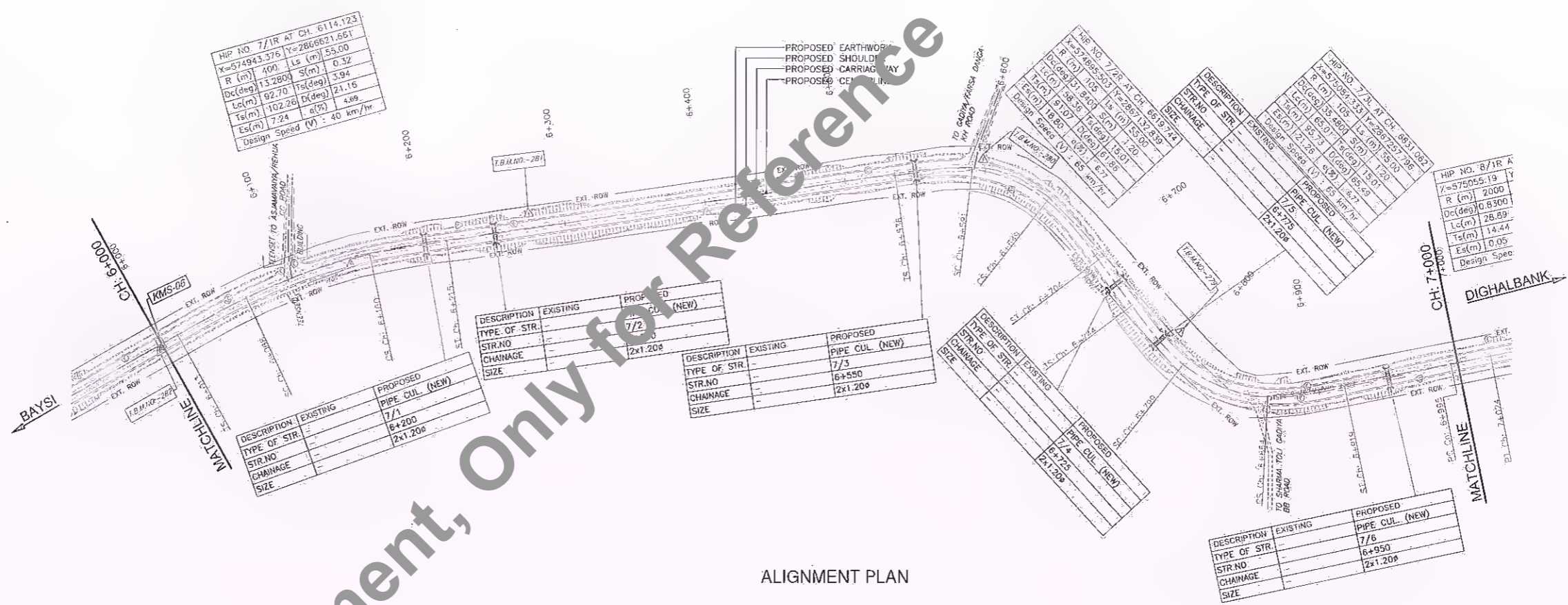
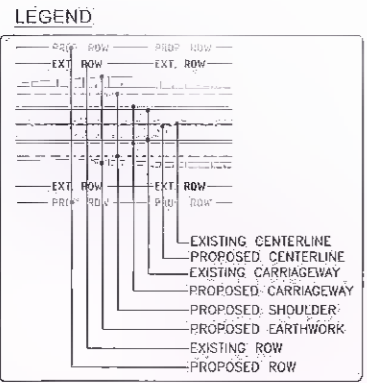
PROJECT: Consultancy Services for Preparation of Detailed Project Report of different State Highway in Bihar - Baysi - Bahadurganj - Dighalbank (SH-99)

CONSULTANTS: **SAI** Consulting Engineers Pvt. Ltd.
An ISO 9001 Certified Company

REV.	DATE	DESCRIPTION	SIGN	ISSUED BY	: B.S.
PF	31/07/19	GOOD FOR CONSTRUCTION (REVISED DPR)			
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TITLE: BAYSI - RAUTA (PACKAGE-II)
ALIGNMENT PLAN & PROFILE
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Manager (Tech.)
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 PIU-Katihar

D. G. M. (Tech.)
 BSRDCL
 PIU-Katihar

Bihar State Road Development Corporation Limited (BSRDCL)
 (A Government of Bihar Undertaking)

PROJECT:
 Consultancy Services for Preparation of Detailed Project Report of different State Highway in Bihar
 Baysi - Bahadurganj - Dighalbank (SH-99)

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

Block-A "SAI House", Sahyog (Cooperative) Square, Bih Rajpath
 C-102, Bodadex, Ahsanabad-380059, Gujarat, India
 Phone: +91-79-5511260/290, Fax: +91-79-6511280
 Email: mail@saiconsulting.com

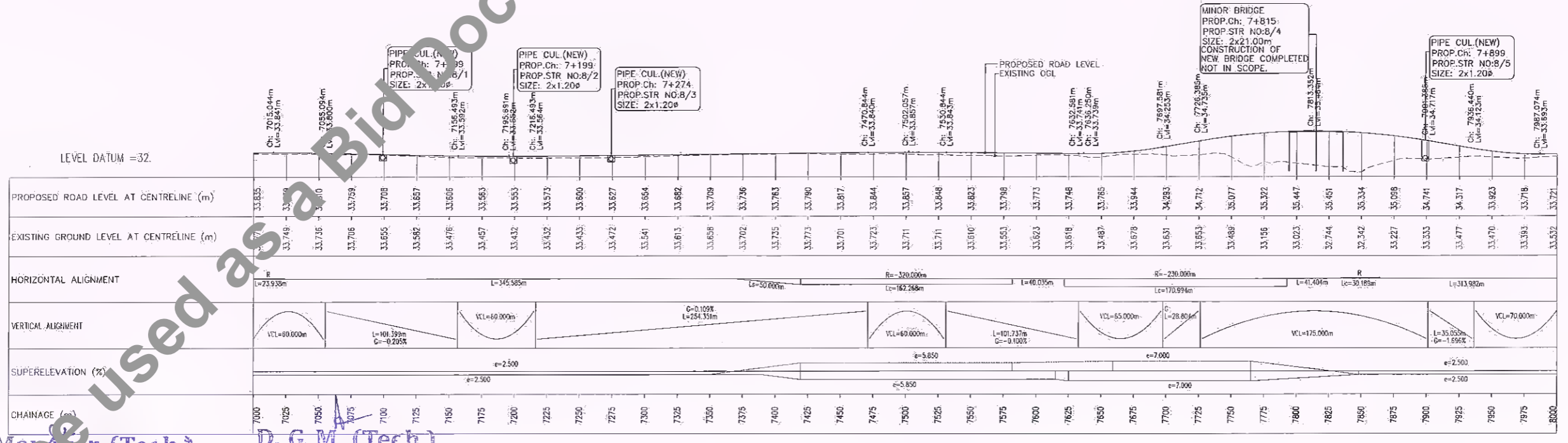
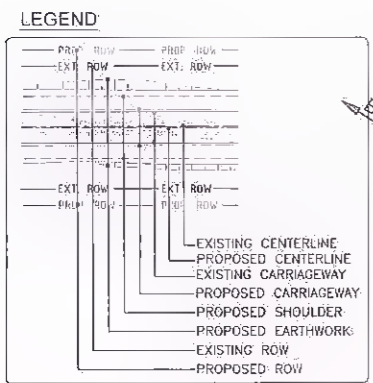
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03	10/04/14	GOOD FOR CONSTRUCTION (DPR)		J.D.
04	26/02/14	ISSUED WITH FINAL DDPR		B.S.
05	01/01/14	ADDENDUM OF DDPR		
06	13/11/13	ISSUED WITH DDPR		

HORIZONTAL : 1 : 2500
 VERTICAL : 1 : 250

TITLE: BAYSI - RAUTA (PACKAGE-I)
 ALIGNMENT PLAN & PROFILE
 KM. 6+000 TO KM. 7+000

DRG. NO. : SAI-213007/DPR/C/H/PP-07
 REVISION : PF





Manager (Tech.)
BSRDCL
PIU-Katihar

D. G. M. (Tech.)
BSRDCL
PIU-Katihar

CLIENT: Bihar State Road Development Corporation Limited (BSRDCL) (A Government of Bihar Undertaking)

PROJECT: Consultancy Services for Preparation of Detailed Project Report of different State Highway in Bihar Baysi - Bahadurganj - Dighalbank (SH-99)

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

Block-A 'SAI House', Salyan, Corporate Square, B/H Rajpath, Lich, Badaikay, Ahmedabad-380059, Gujarat, India
Phone: +91-79-8314808/790, Fax: +91-79-8614289
Email: mail@saiengineers.com

PF	31/07/19	GOOD FOR CONSTRUCTION (REVISED DPR)	DRAWN BY : R.K.
PE	17/12/18	GOOD FOR CONSTRUCTION (DPR)	CHECKED BY : A.S.
PD	10/04/14	GOOD FOR CONSTRUCTION (DPR)	APPROVED BY : J.D.
PC	28/02/14	ISSUED WITH FINAL DPR	ISSUED BY : B.S.
PB	01/01/14	ADDENDUM OF DPR	
PA	13/11/13	ISSUED WITH DOPR	

REV. DATE DESCRIPTION SIGN

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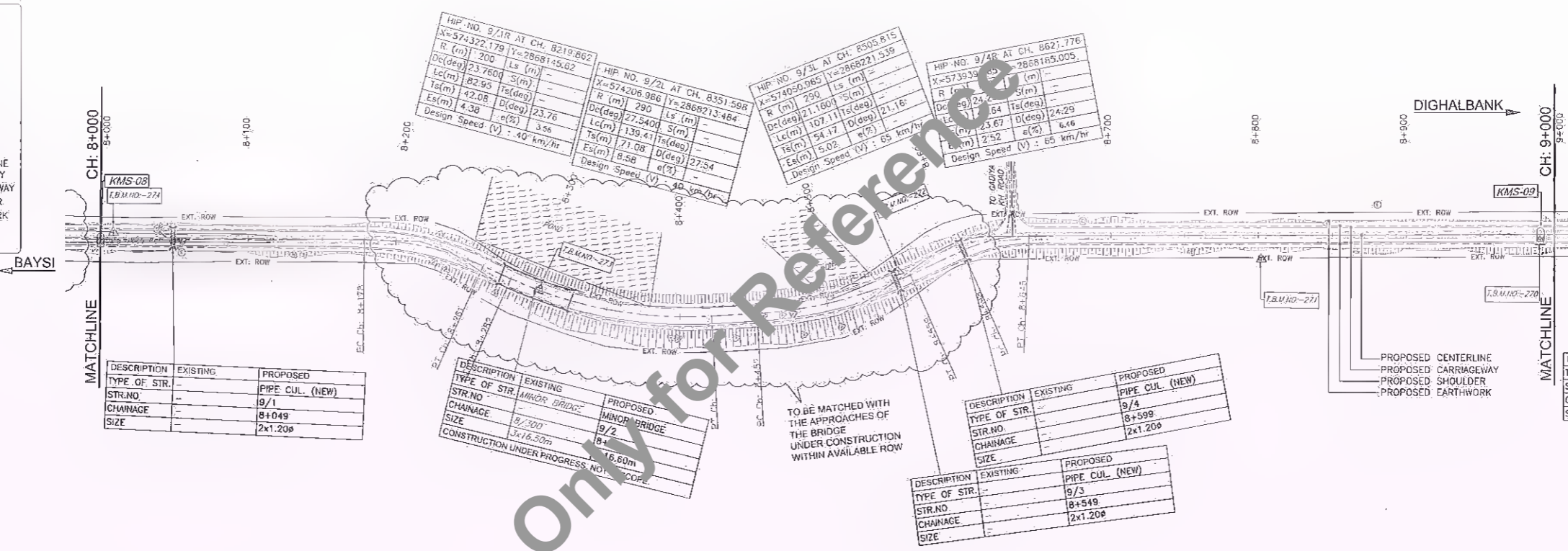
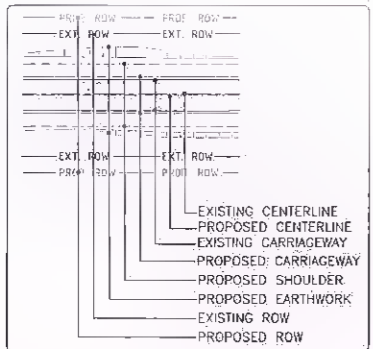
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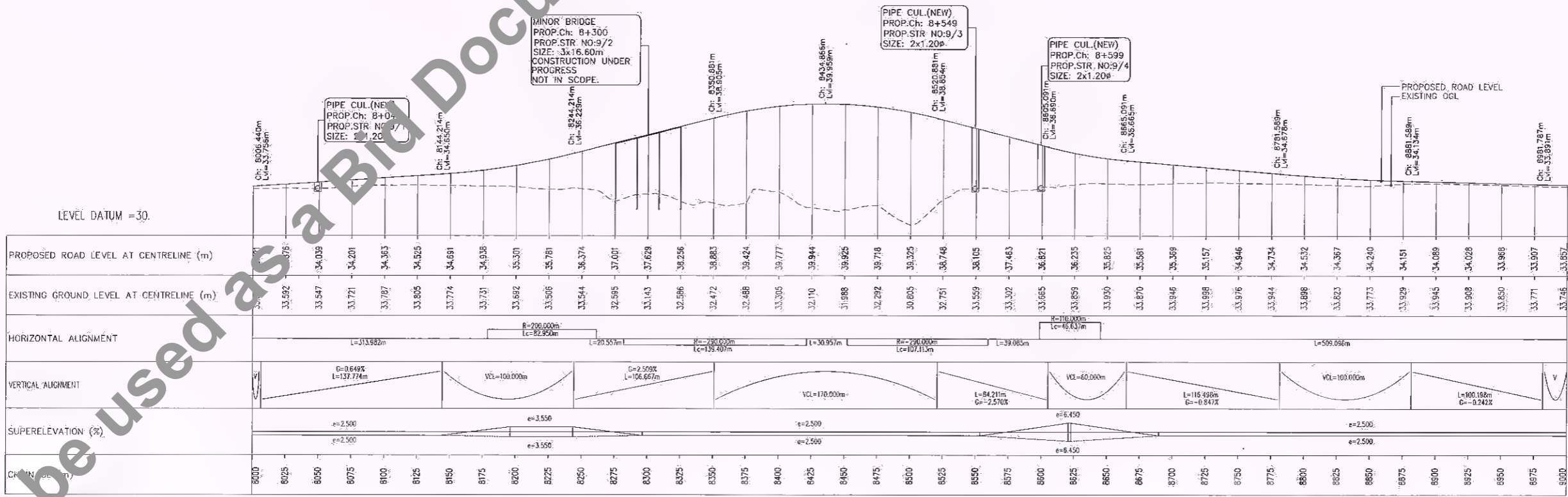
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LEGEND



ALIGNMENT PLAN

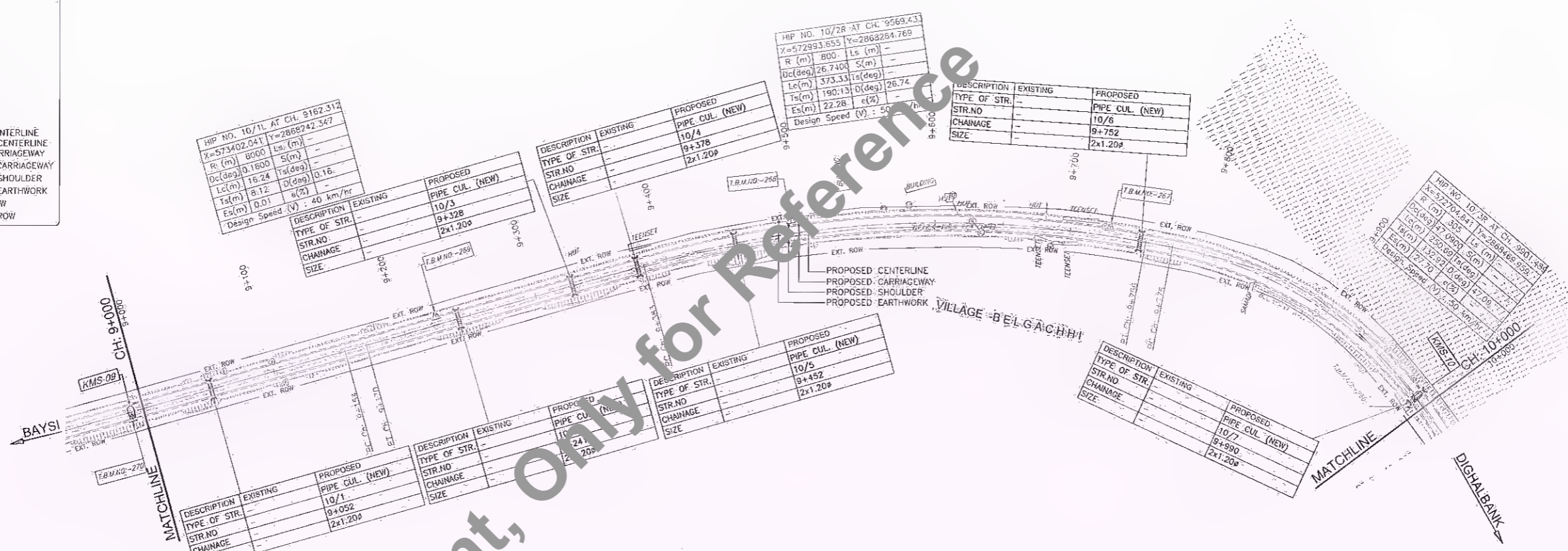
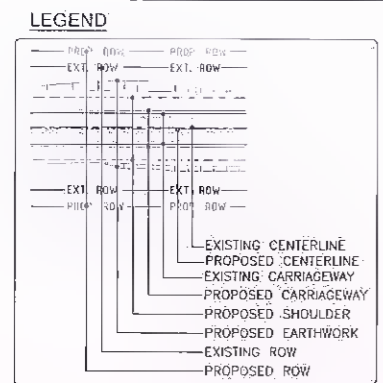


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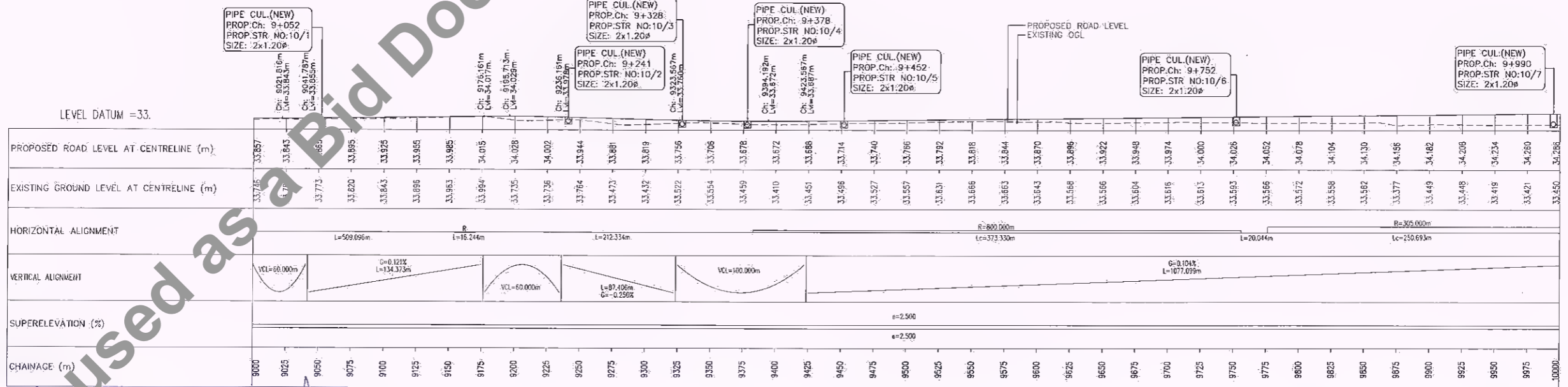
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<p>Bihar State Road Development Corporation Limited (BSRDCL) (A Government of Bihar Undertaking)</p> <p>Manager (Tech.)</p>	<p>PROJECT:</p> <p>Consultancy Services for Preparation of Detailed Project Report of different State Highway in Bihar <i>Baysi - Bahadurganj - Dighalbank (SH-99)</i></p>	<p>CONSULTANTS:</p> <p>SAI Consulting Engineers Pvt. Ltd. An ISO 9001 Certified Company</p> <p>Block-A "SAI House" Satyam Corporate Square, Bija Rajpath Club Road, Indraprastha, New Delhi-110028 Phone: +91-79-66142000/2001 Fax: +91-79-66142000 Email: mail@saiindia.com</p>	<p>31/07/19: GOOD FOR CONSTRUCTION (REVISED DPR)</p> <p>17/12/18: GOOD FOR CONSTRUCTION (DPR)</p> <p>10/04/14: GOOD FOR CONSTRUCTION (DPR)</p> <p>26/02/14: ISSUED WITH FINAL DPR</p> <p>01/01/14: ADDENDUM OF DPR</p> <p>13/11/13: ISSUED WITH DPR</p>	<p>DRAWN BY: R.K.</p> <p>CHECKED BY: A.S.</p> <p>APPROVED BY: J.D.</p> <p>ISSUED BY: B.S.</p>	<p>TITLE: BAYSI - RAUTA (PACKAGE-I) ALIGNMENT PLAN & PROFILE KM. 8+000 TO KM. 9+000</p>
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ALIGNMENT PLAN



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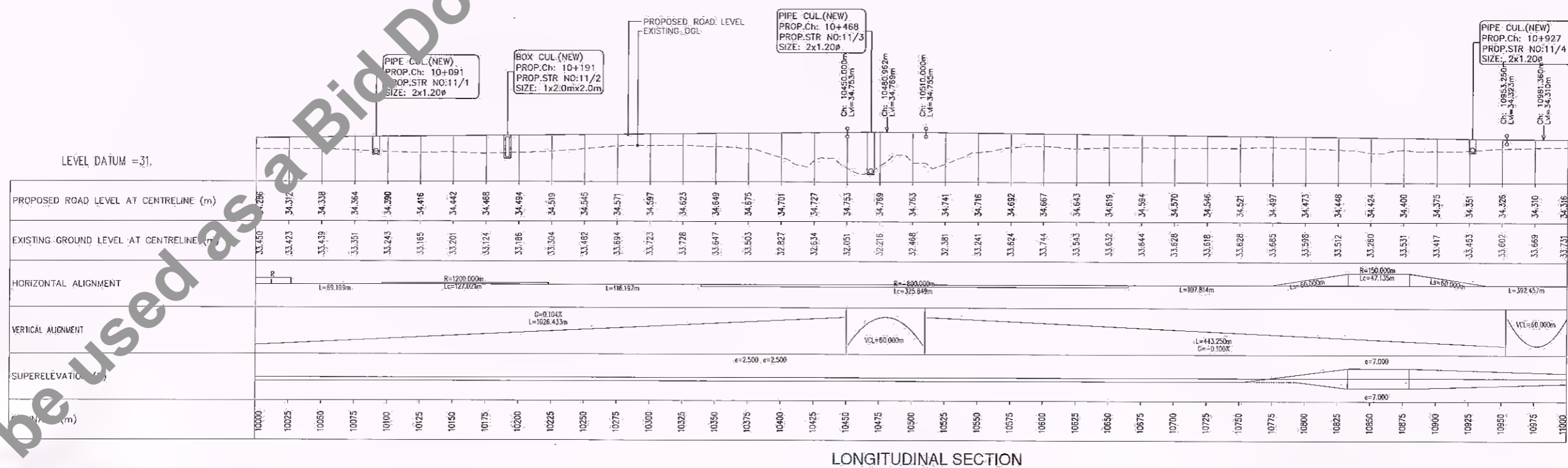
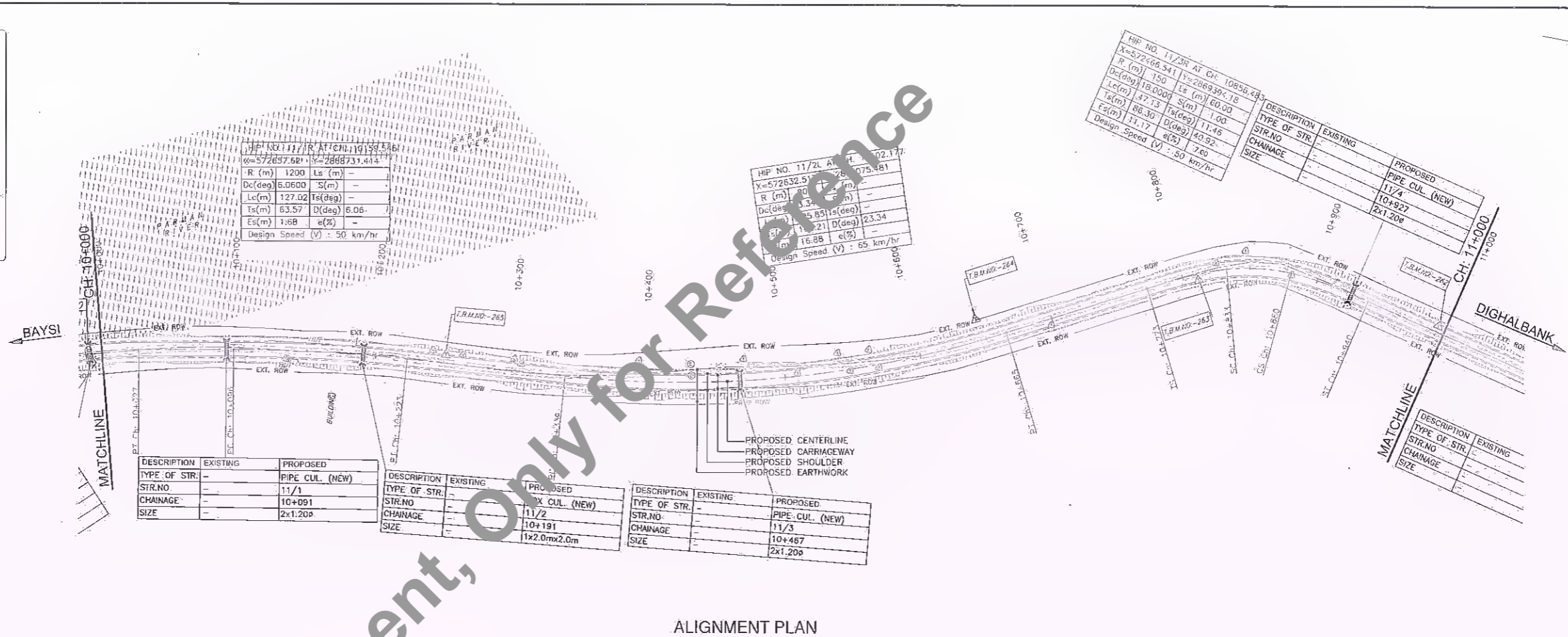
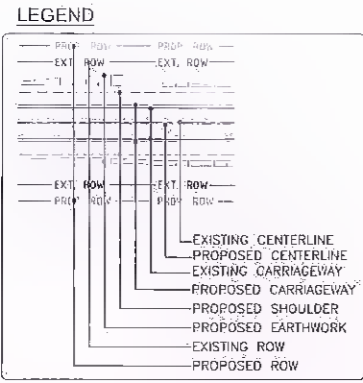
Manager (Tech.)
BSRDCL
PIU-Katihar

D. G. M. (Tech.)
BSRDCL
PIU-Katihar



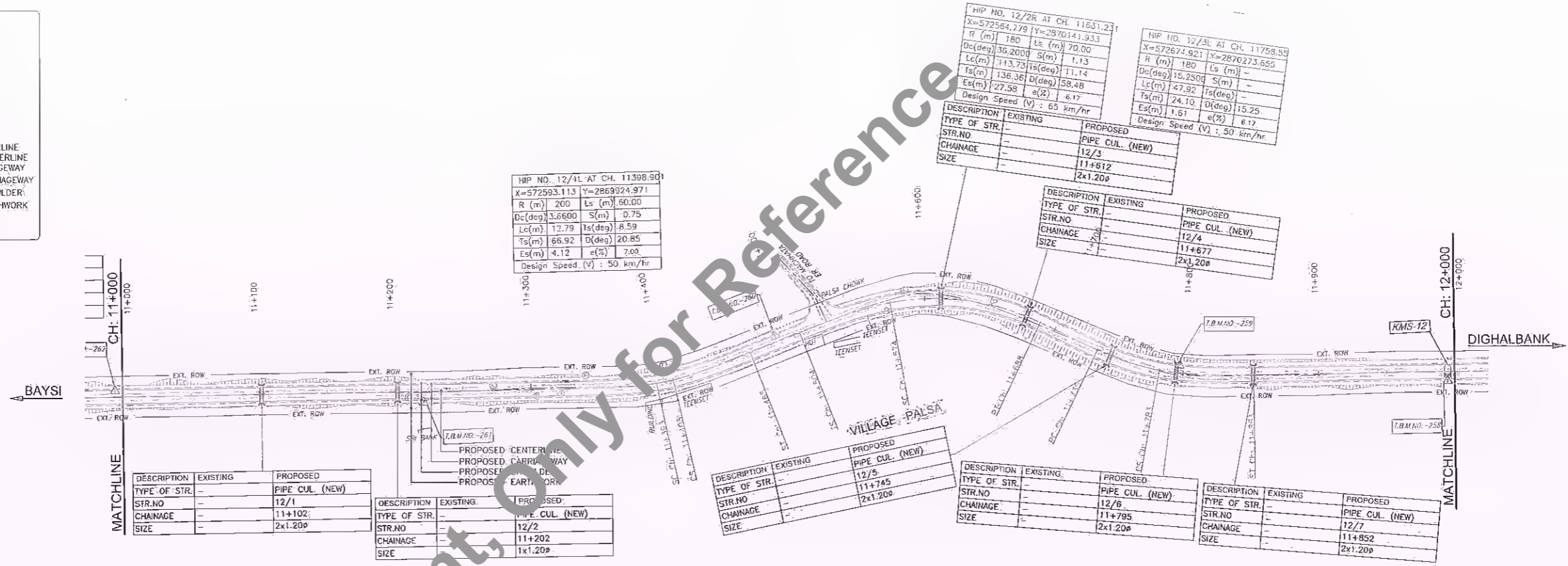
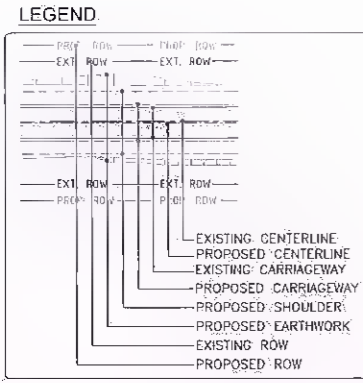
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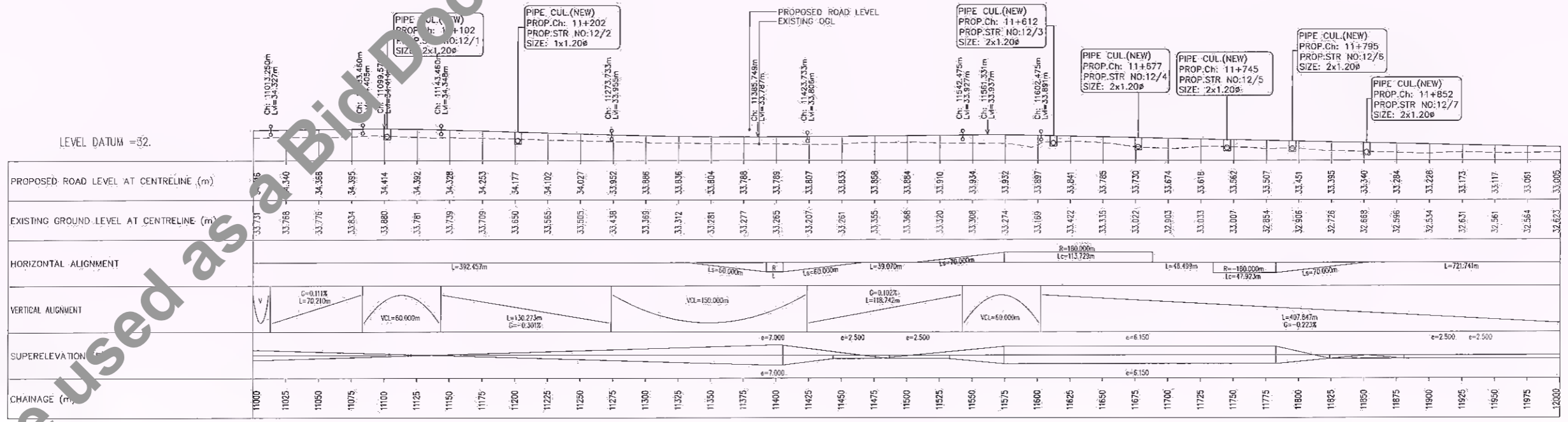


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<p>Bihar State Road Development Corporation Limited (BSRDCL) (A Government of Bihar Undertaking)</p> <p>Manager (Tech.) D. G. M. (Tech.)</p> <p>BSRDCL PIU-Katihar</p>	<p>PROJECT: Consultancy Services for Preparation of Detailed Project Report of different State Highway in Bihar Baysi - Bahadurgunj - Dighalbank (SH-99)</p>	<p>CONSULTANTS: SAI Consulting Engineers Pvt. Ltd. An ISO 9001 Certified Company</p> <p>Block-A "SAI House", Salyum Corporate Square, 8th, Rajpath Club, Bodekda, Ahmedabad-380059, Gujarat, India Phone: +91-79-6616260/700, Fax: +91-79-6642800 Email: mail@saiindia.com</p>	<p>REV. DATE DESCRIPTION SIGN ISSUED BY: B.S.</p> <p>31/07/19 GOOD FOR CONSTRUCTION (REVISED DPR) 17/12/18 GOOD FOR CONSTRUCTION (DPR) 10/04/14 GOOD FOR CONSTRUCTION (DPR) 26/02/14 ISSUED WITH FINAL DDPR 01/01/14 ADDENDUM OF DDPR 13/11/13 ISSUED WITH DDPR</p>	<p>DRAWN BY: R.K. CHECKED BY: A.S. APPROVED BY: J.D.</p>	<p>TITLE: BAYSI - RAUTA (PACKAGE-I) ALIGNMENT PLAN & PROFILE KM. 10+000 TO KM. 11+000</p> <p>DRG. NO.: SAI-213007/DPR/CH/PP-11</p> <p>REVISION: PF</p>
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ALIGNMENT PLAN

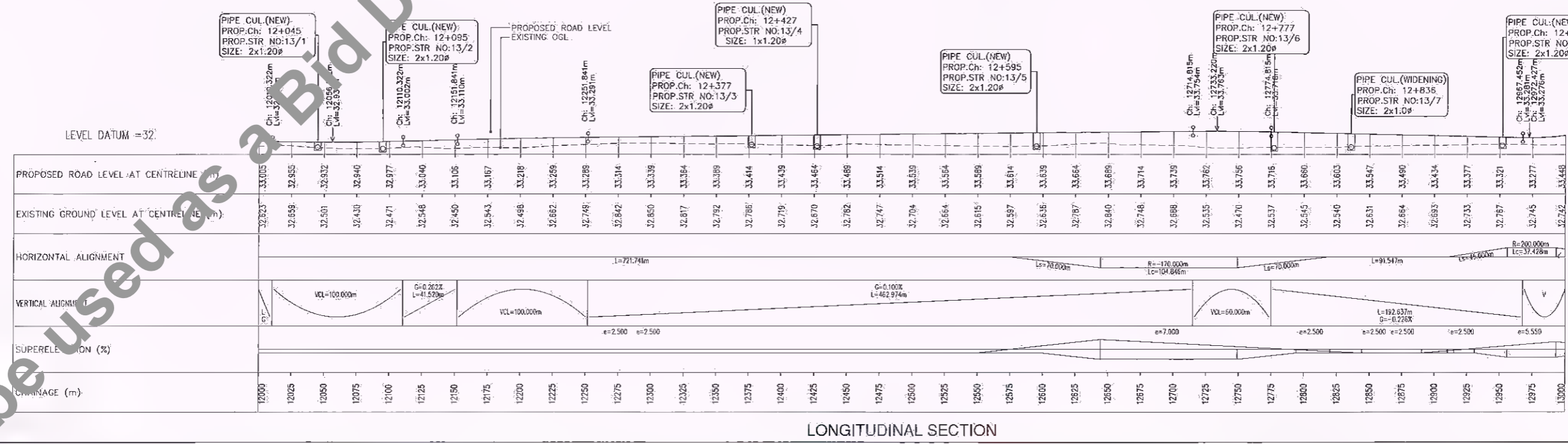
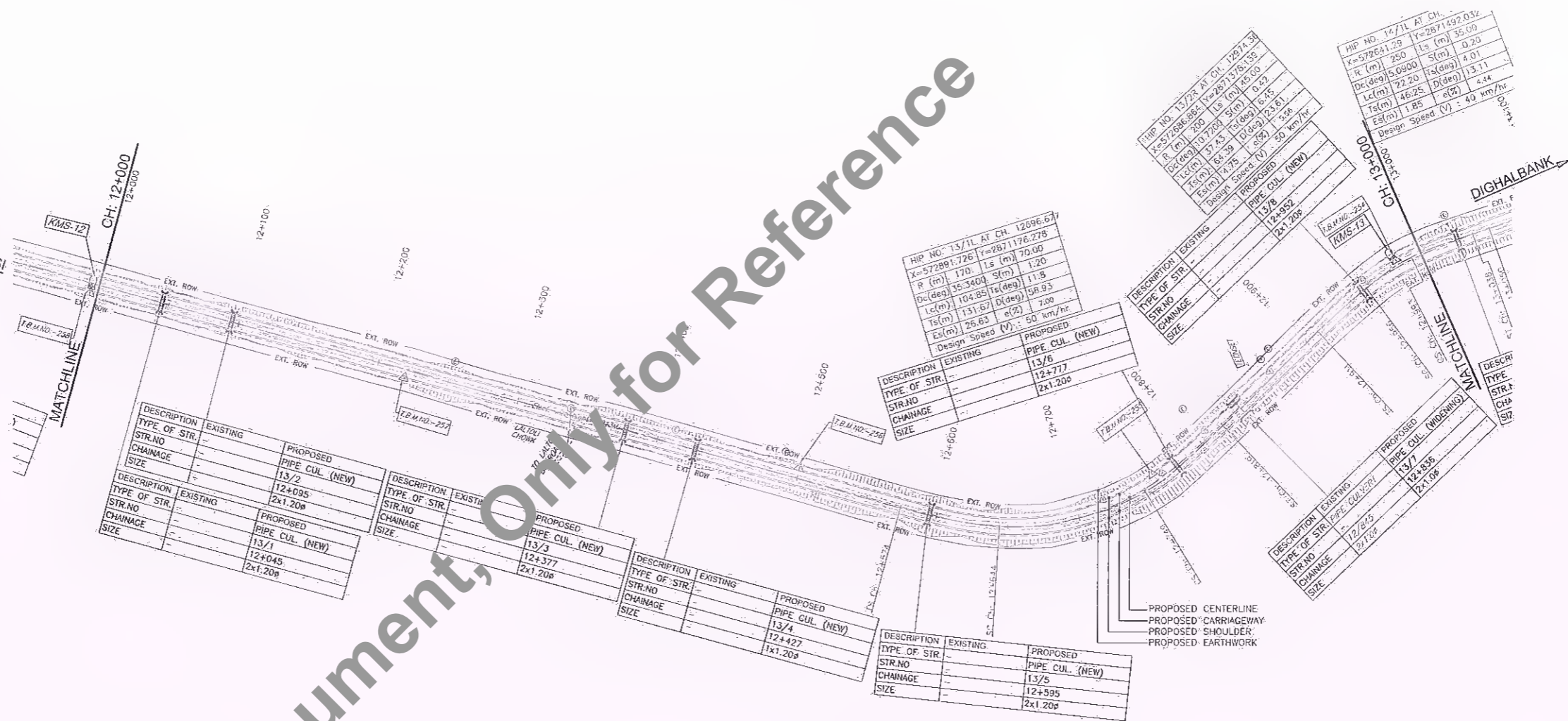
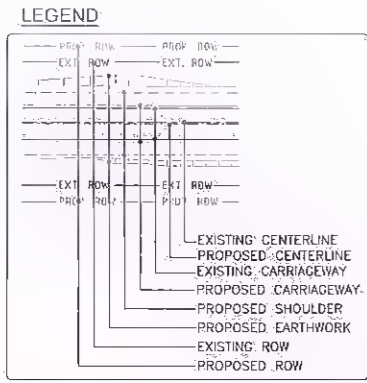


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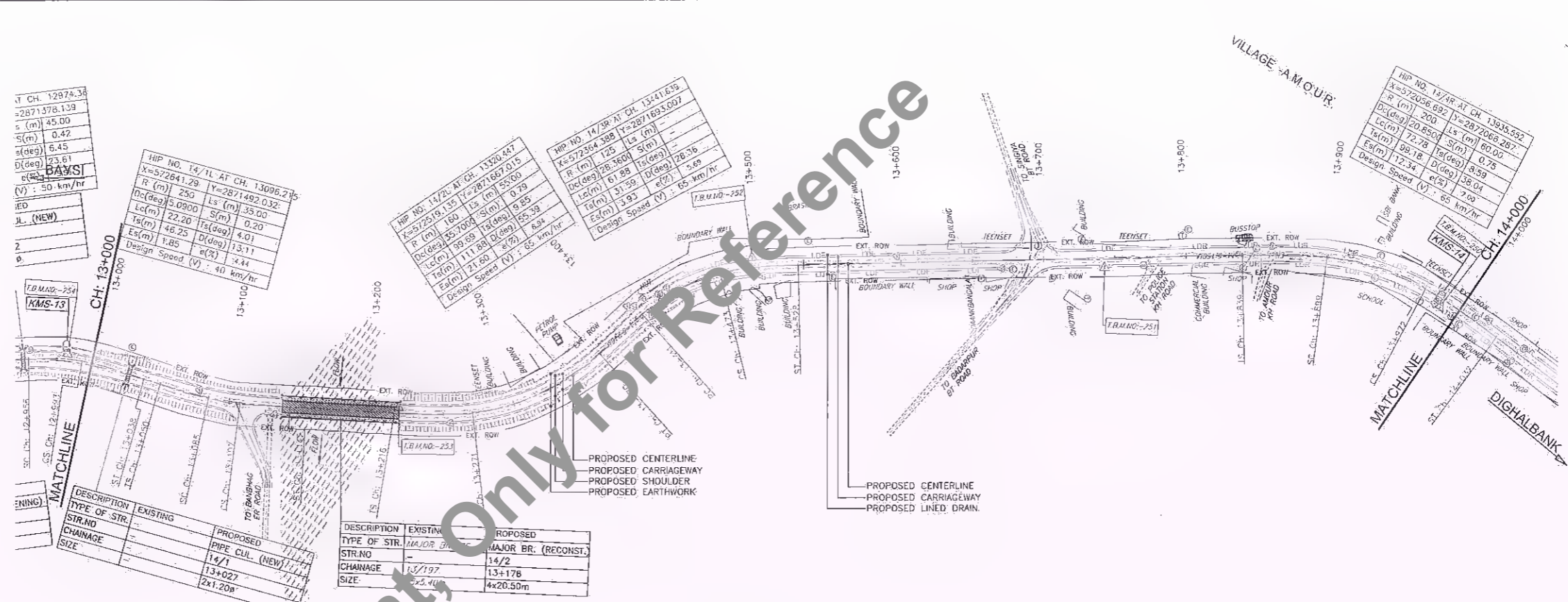
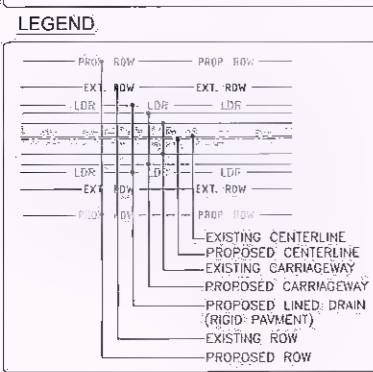
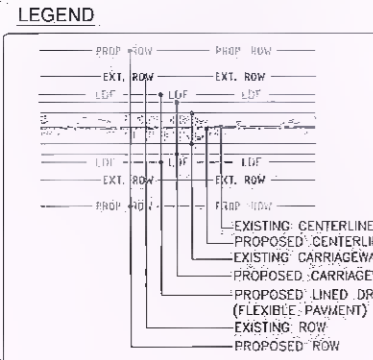
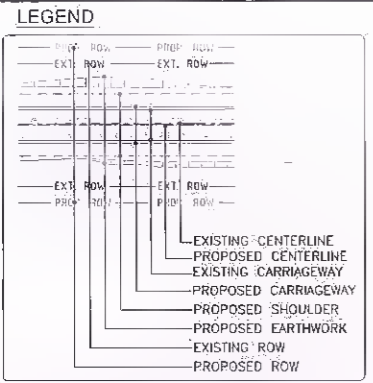
<p>CLIENT: Bihar State Road Development Corporation Limited (BSRDCL) (A Government of Bihar Undertaking)</p> <p>Manager (Tech.)</p> <p>BSRDCL PIU-Katihar</p>	<p>PROJECT: Consultancy Services for Preparation of Detailed Project Report of different State Highway in Bihar: Baysi - Bahadurganj - Dighalbank (SH-99)</p> <p>D. G. M. (Tech.)</p> <p>BSRDCL PIU-Katihar</p>	<p>CONSULTANTS: SAI Consulting Engineers Pvt. Ltd. An ISO 9001 Certified Company</p> <p>Block-A "SAI House", Salyan, Corporate Square, 8th Rajpath, Club, Badli, New Delhi-110029, India</p> <p>Phone: +91-11-46162800/2805/2806 Fax: +91-11-46162808 Email: mail@saiconsulting.com</p>	<p>REV. DATE DESCRIPTION SIGN ISSUED BY: B.S.</p> <p>31/07/19 GOOD FOR CONSTRUCTION (REVISED DPR)</p> <p>17/12/18 GOOD FOR CONSTRUCTION (DPR)</p> <p>10/04/14 GOOD FOR CONSTRUCTION (DPR)</p> <p>26/02/14 ISSUED WITH FINAL DPR</p> <p>01/01/14 ADDENDUM OF DPR</p> <p>13/11/13 ISSUED WITH DPR</p>	<p>DRAWN BY: R.K.</p> <p>CHECKED BY: A.S.</p> <p>APPROVED BY: J.D.</p>	<p>TITLE: BAYSI - RAUTA (PACKAGE-I) ALIGNMENT PLAN & PROFILE KM. 11+000 TO KM. 12+000</p> <p>DRG. NO.: SAI-213007/DPR/C/H/PP-12</p> <p>REVISION: PF</p>
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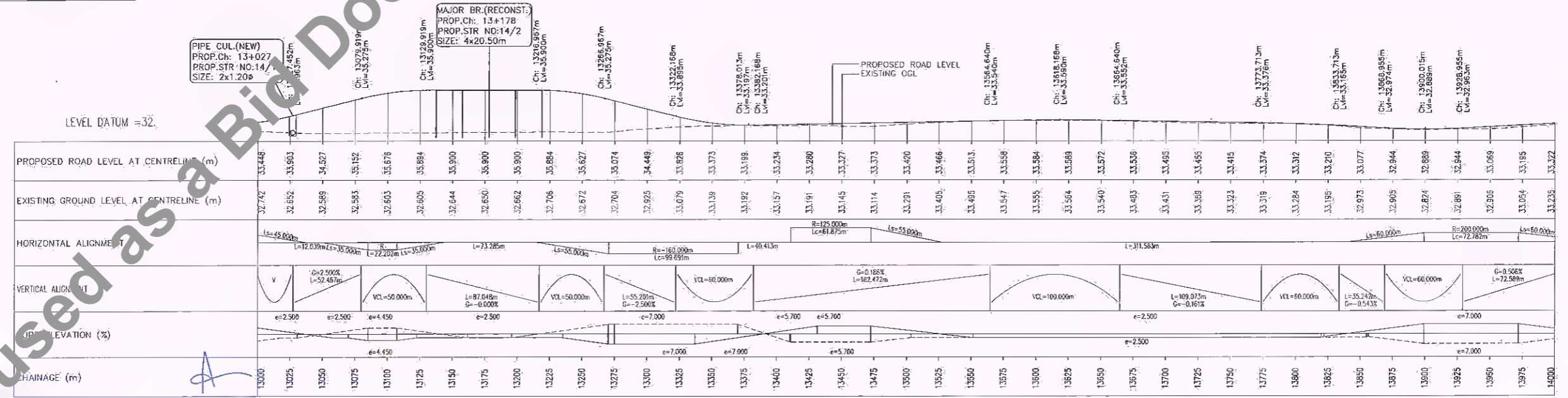


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<p>BSRDCL Bihar State Road Development Corporation Limited (BSRDCL) (A Government of Bihar Undertaking) Manager (Tech.) D. G. M. (Tech.) BSRDCL PIU-Katihar</p>	<p>PROJECT: Consultancy Services for Preparation of Detailed Project Report of different State Highway in Bihar Baysi - Bahadurganj - Dighalbank (SH-99)</p>	<p>CONSULTANTS: SAI Consulting Engineers Pvt. Ltd. An ISO 9001 Certified Company Bldg-4 "SAI House", Sarjam Corporate Square, Bih. Rajpath (Lub. Boudh), Ahmedabad-380059, Gujarat, India Phone : +91-79-65826057/709, Fax : +91-79-66162609 Email : mail@saiindia.com</p>	<p>DATE: 31/07/19 PE: 17/12/16 PD: 10/04/14 PC: 26/02/14 PB: 01/01/14 PA: 13/11/13</p>	<p>GOOD FOR CONSTRUCTION (REVISED DPR) GOOD FOR CONSTRUCTION (DPR) GOOD FOR CONSTRUCTION (DPR) ISSUED WITH FINAL DPR ADDENDUM OF DPR ISSUED WITH DPR</p>	<p>DRAWN BY : R.K. CHECKED BY : A.S. APPROVED BY : J.D. ISSUED BY : B.S.</p>	<p>TITLE: BAYSI - RAUTA (PACKAGE-I) ALIGNMENT PLAN & PROFILE KM. 12+000 TO KM. 13+000</p>
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Manager (Tech)
BSRDCL
PIU, Katihar

D. G. M. (Tech)
BSRDCL
PIU, Katihar

CLIENT:
Bihar State Road Development Corporation Limited (BSRDCL)
(A Government of Bihar Undertaking)

PROJECT:
Consultancy Services for Preparation of Detailed Project Report of different State Highway in Bihar
Baysi - Bahadurganj - Dighalbank (SH-99)

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

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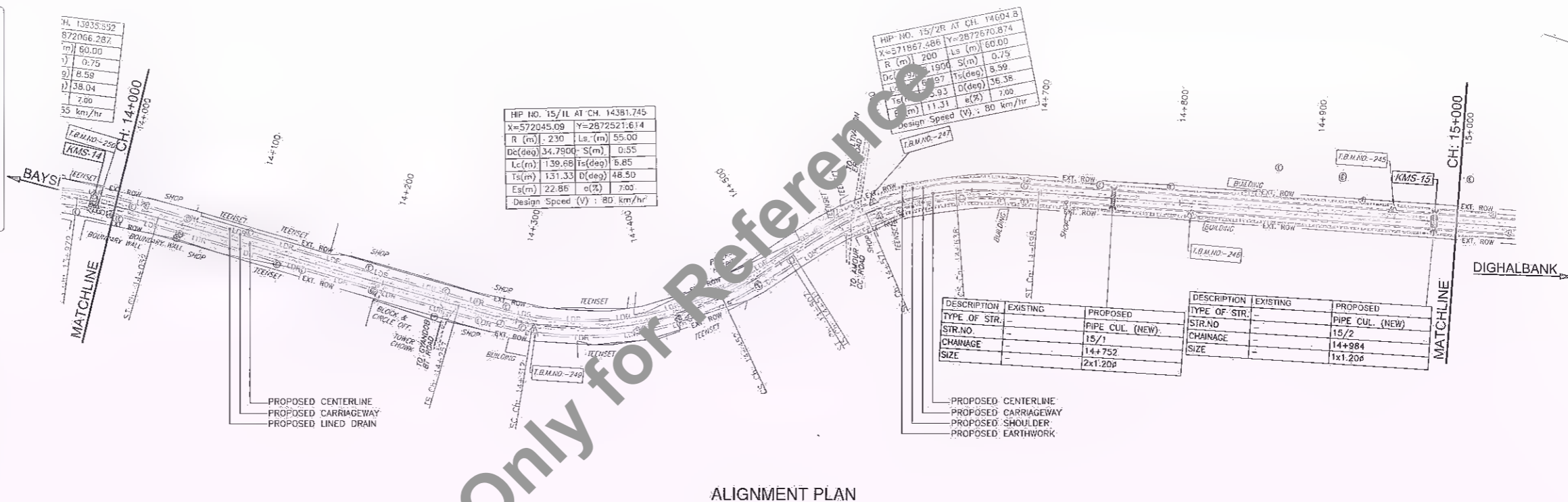
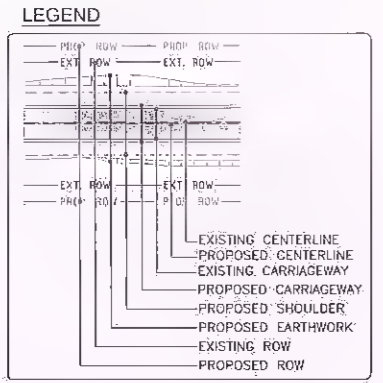
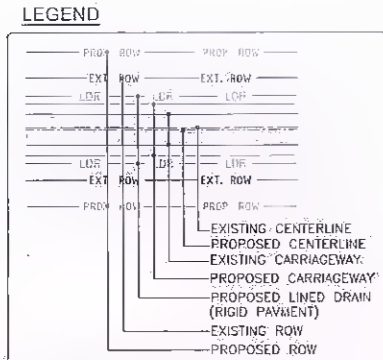
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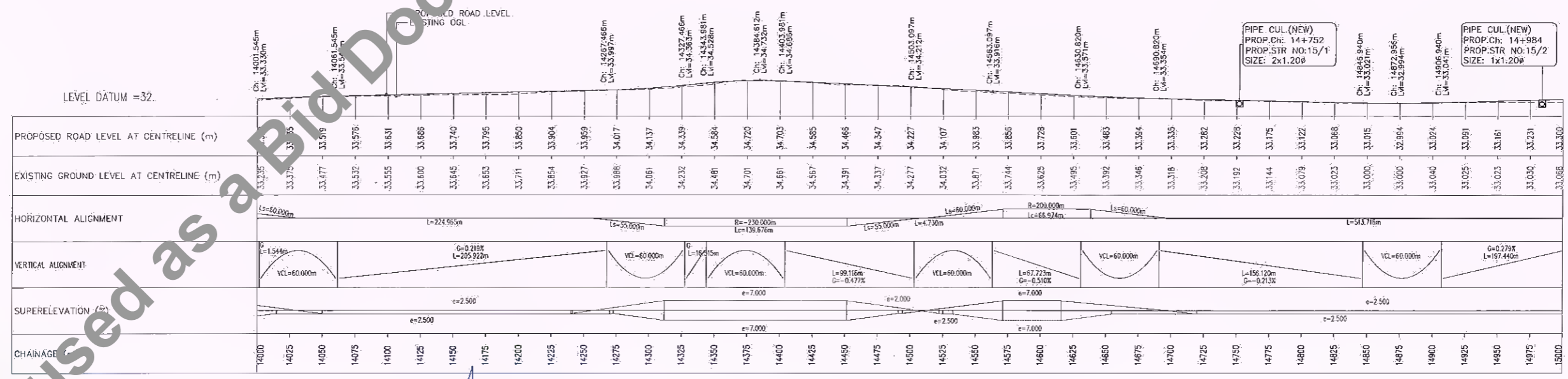
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ALIGNMENT PLAN



LONGITUDINAL SECTION

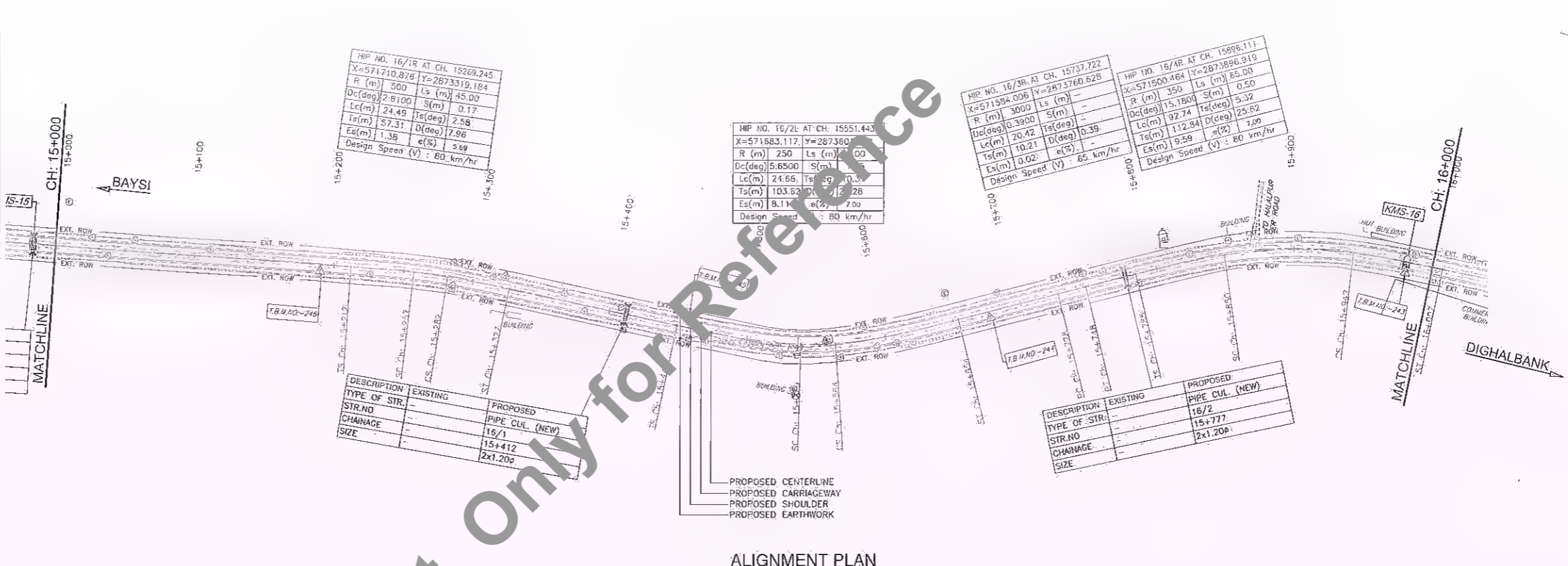
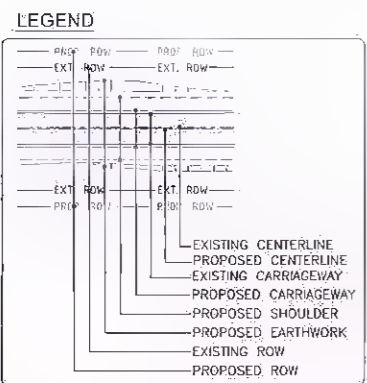
Manoj (Tech.)
BSRDCL
PIU-Katihar

D. G. M. (Tech.)
BSRDCL
PIU-Katihar



<p>CLIENT: Bihar State Road Development Corporation Limited (BSRDCL) (A Government of Bihar Undertaking)</p>	<p>PROJECT: Consultancy Services for Preparation of Detailed Project Report of different State Highway in Bihar <i>Baysi - Bahadurganj - Dighalbank (SH-99)</i></p>	<p>CONSULTANTS: SAI Consulting Engineers Pvt. Ltd. An ISO 9001 Certified Company</p>	<p>REV. DATE DESCRIPTION SIGN ISSUED BY : B.S.</p> <table border="1"> <tr><td>REV.</td><td>DATE</td><td>DESCRIPTION</td><td>SIGN</td><td>ISSUED BY</td></tr> <tr><td>01</td><td>31/07/19</td><td>GOOD FOR CONSTRUCTION (REVISED DPR)</td><td></td><td>R.K.</td></tr> <tr><td>02</td><td>17/12/18</td><td>GOOD FOR CONSTRUCTION (DPR)</td><td></td><td>R.K.</td></tr> <tr><td>03</td><td>19/04/14</td><td>GOOD FOR CONSTRUCTION (DPR)</td><td></td><td>A.S.</td></tr> <tr><td>04</td><td>26/02/14</td><td>ISSUED WITH FINAL DPR</td><td></td><td>J.D.</td></tr> <tr><td>05</td><td>01/01/14</td><td>ADDENDUM OF DPR</td><td></td><td>J.D.</td></tr> <tr><td>06</td><td>13/11/13</td><td>ISSUED WITH DPR</td><td></td><td>B.S.</td></tr> </table>	REV.	DATE	DESCRIPTION	SIGN	ISSUED BY	01	31/07/19	GOOD FOR CONSTRUCTION (REVISED DPR)		R.K.	02	17/12/18	GOOD FOR CONSTRUCTION (DPR)		R.K.	03	19/04/14	GOOD FOR CONSTRUCTION (DPR)		A.S.	04	26/02/14	ISSUED WITH FINAL DPR		J.D.	05	01/01/14	ADDENDUM OF DPR		J.D.	06	13/11/13	ISSUED WITH DPR		B.S.	<p>TITLE: BAYSI - RAUTA (PACKAGE-II) ALIGNMENT PLAN & PROFILE KM. 14+000 TO KM. 15+000</p> <p>DRG. NO. : SAI-213007/DPR/CH/PP-15</p> <p>REVISION : PF</p>
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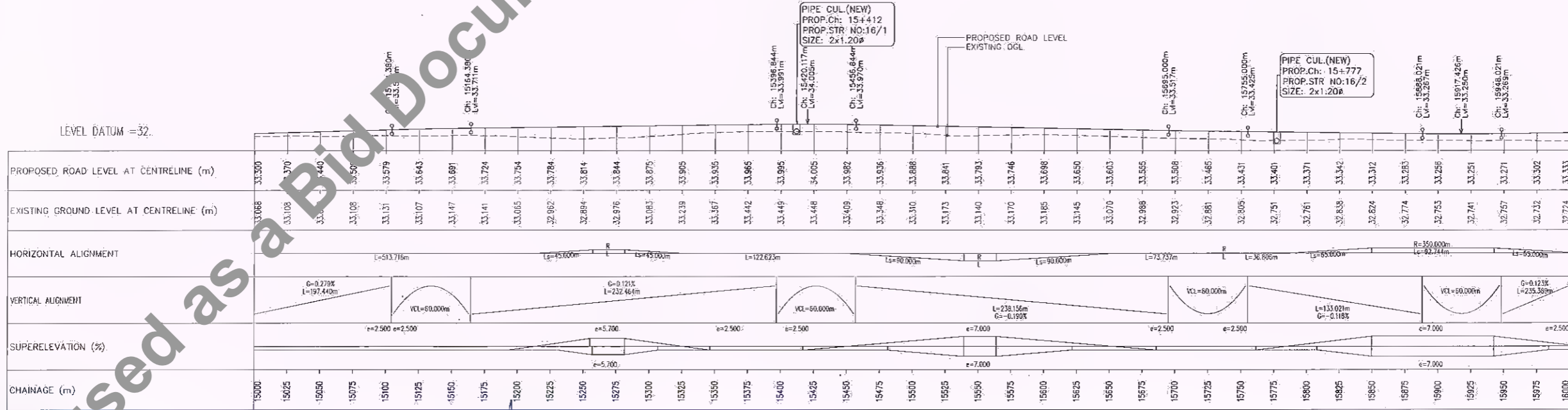
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ALIGNMENT PLAN



LONGITUDINAL SECTION

D. G. M. (Tech.)
BSRDCL
PIU-Katihar

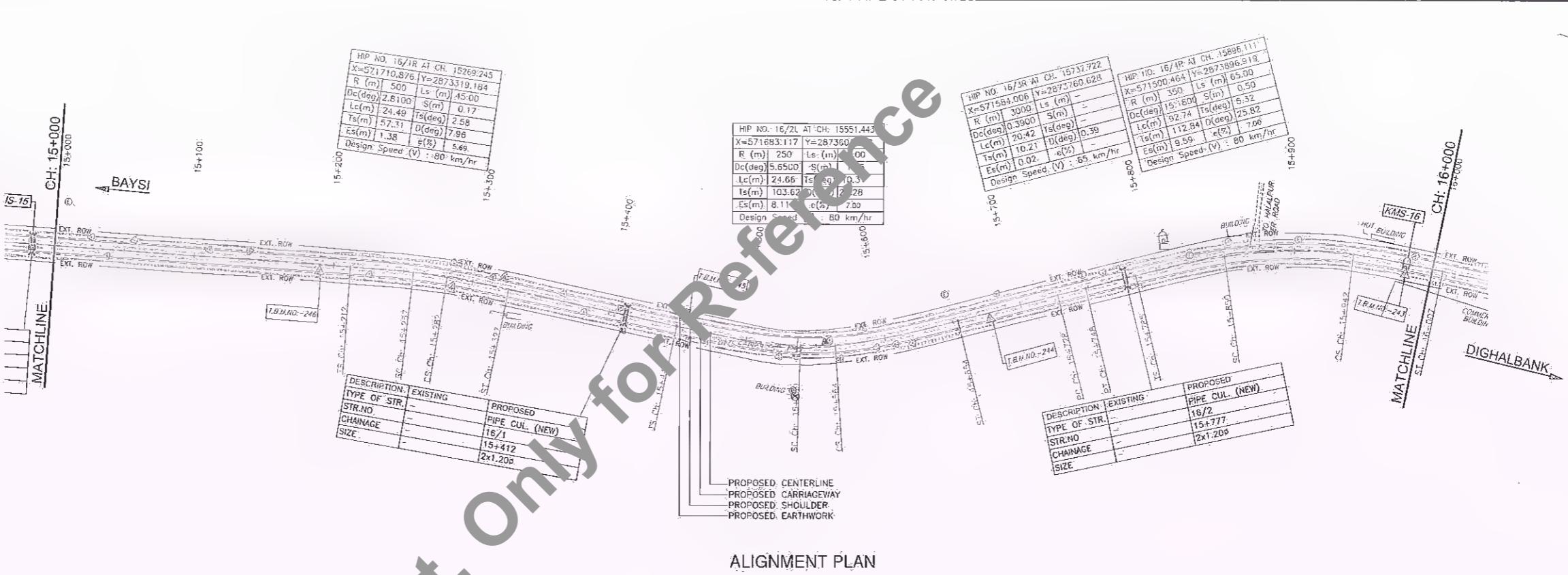
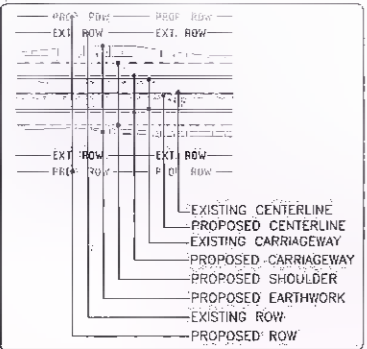
D. G. M. (Tech.)
BSRDCL
PIU-Katihar



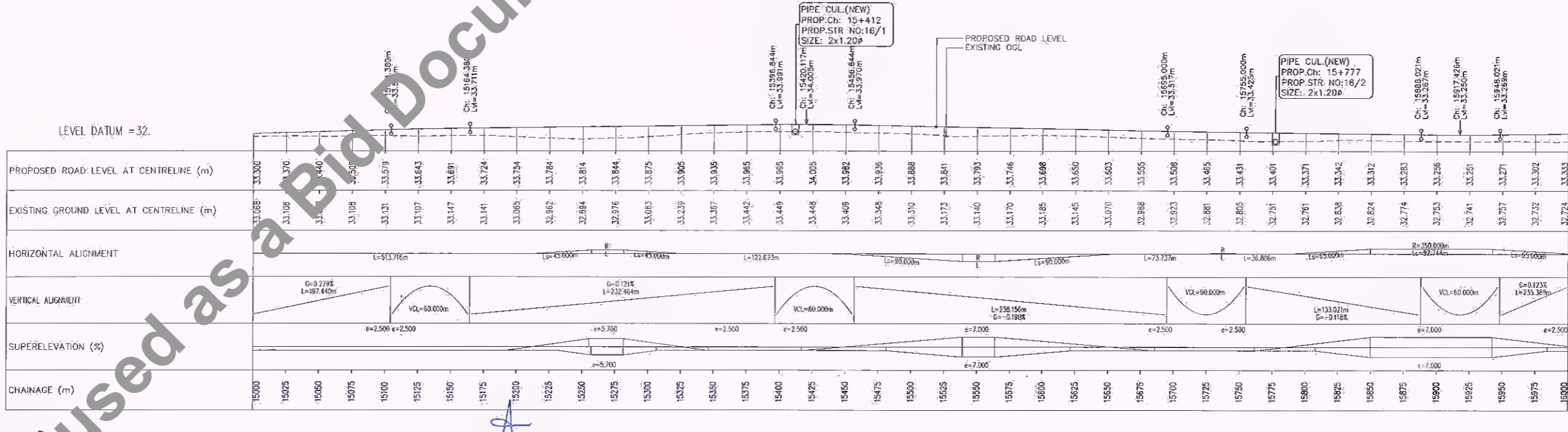
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<p>Bihar State Road Development Corporation Limited (BSRDCL) (A Government of Bihar Undertaking)</p>	<p>PROJECT: Consultancy Services for Preparation of Detailed Project Report of different State Highway in Bihar Baysi - Bahadurganj - Dighalbank (SH-99)</p>	<p>CONSULTANTS: SAI Consulting Engineers Pvt. Ltd. An ISO 9001 Certified Company Block-A 'SAI House', Saiyam Corporate Square, B/H Rajpath Lido, Bodakdev, Ahmedabad-380059, Gujarat, India. Phone: +91-79-66162659/790, Fax: +91-79-66162900 Email: mail@saiindia.com</p>	<p>REV. DATE DESCRIPTION SIGN ISSUED BY : B.S.</p>	<p>DRAWN BY : R.K. CHECKED BY : A.S. APPROVED BY : J.D.</p>	<p>TITLE: BAYSI - RAUTA - (PACKAGE-I) ALIGNMENT PLAN & PROFILE KM, 15+000 TO KM. 16+000</p>
			<p>REV. DATE DESCRIPTION SIGN ISSUED BY : B.S.</p>	<p>DRG. NO. : SAI-213007/DDR/C/H/PP - 16</p>	<p>REVISION : PF</p>

LEGEND



ALIGNMENT PLAN



LONGITUDINAL SECTION

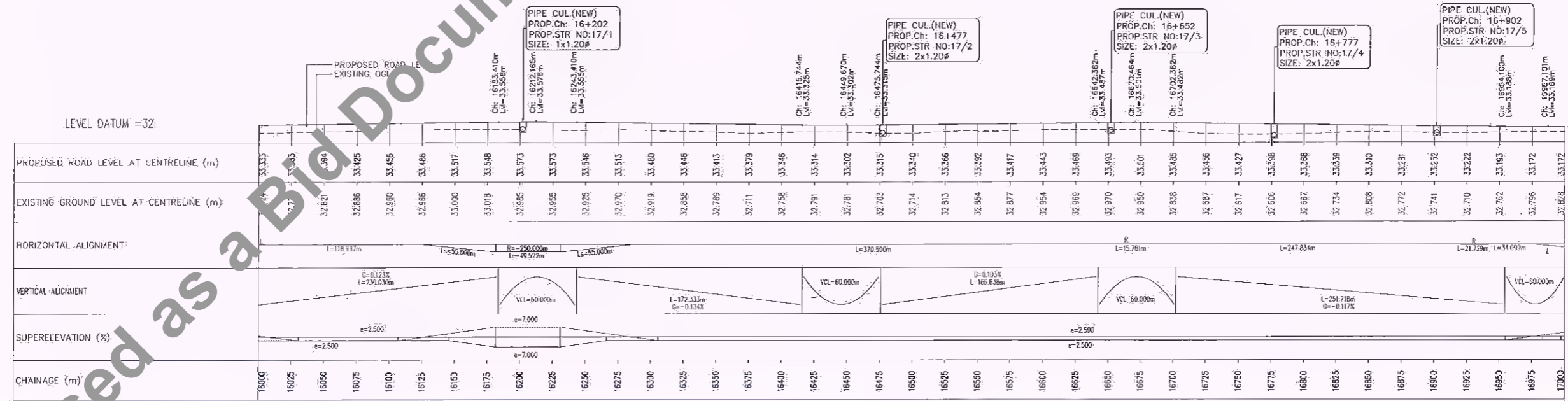
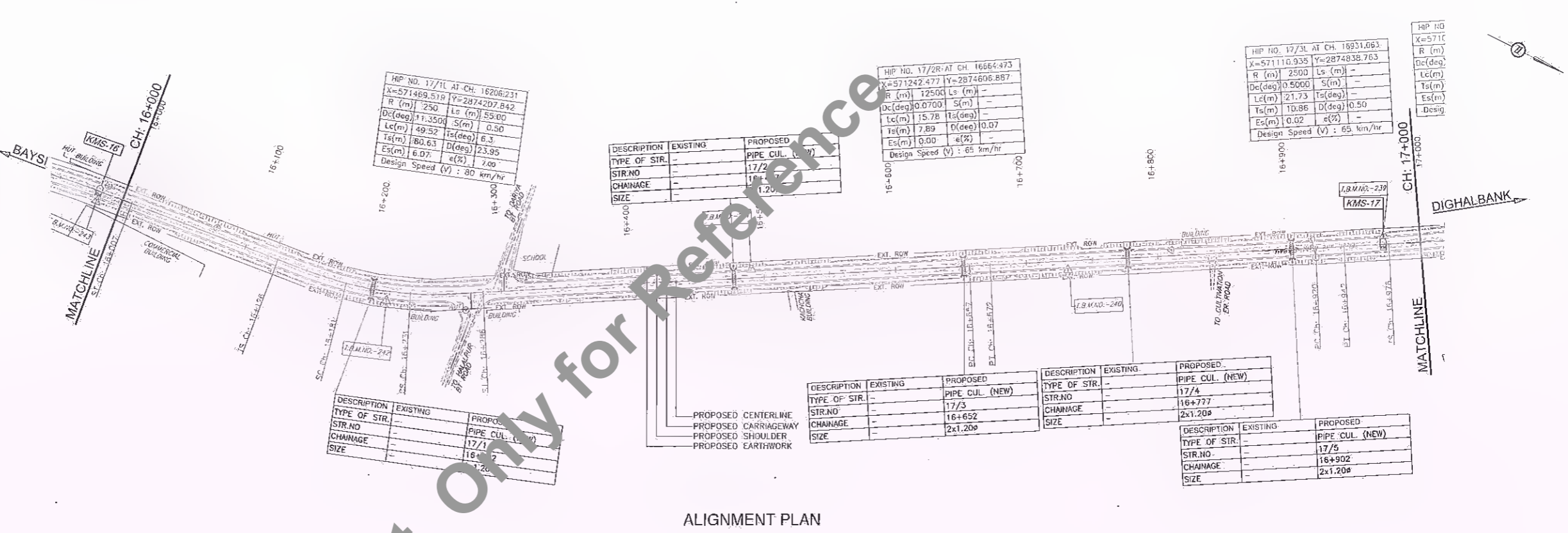
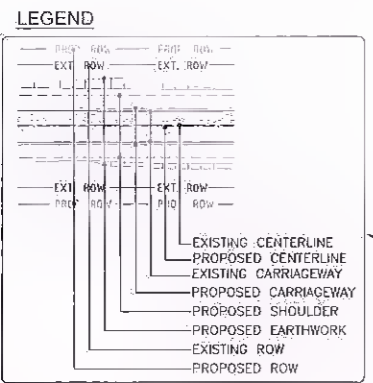
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Manager (Tech.)
BSRDCL
PIU-Katihar

D. G. M. (Tech.)
BSRDCL
PIU-Katihar

<p>Bihar State Road Development Corporation Limited (BSRDCL) (A Government of Bihar Undertaking)</p>	<p>PROJECT: Consultancy Services for Preparation of Detailed Project Report of different State Highway in Bihar <i>Baysi - Bahadurganj - Dighalbank (SH-99)</i></p>	<p>CONSULTANTS: SAI Consulting Engineers Pvt. Ltd. An ISO 9001 Certified Company Block-A, "SAI House", Sanyam Corporate Square, B-8, Rajpath (Lub, Badli), New Delhi-110028-380059, Gujarat, India Phone : +91-79-66142600/200, Fax : +91-79-66142600 Email : nqt@saiindia.com</p>	<p>REV. DATE DESCRIPTION SIGN ISSUED BY : B.S.I.</p>	<p>TITLE: BAYSI - RAUTA (PACKAGE-I) ALIGNMENT PLAN & PROFILE KM. 15+000 TO KM. 16+000</p>
			<p>HORIZONTAL : 1:2500 VERTICAL : 1:250</p>	<p>DRG. NO. : SAI-213007/DPR/CH/PP - 16 REVISION : PF</p>





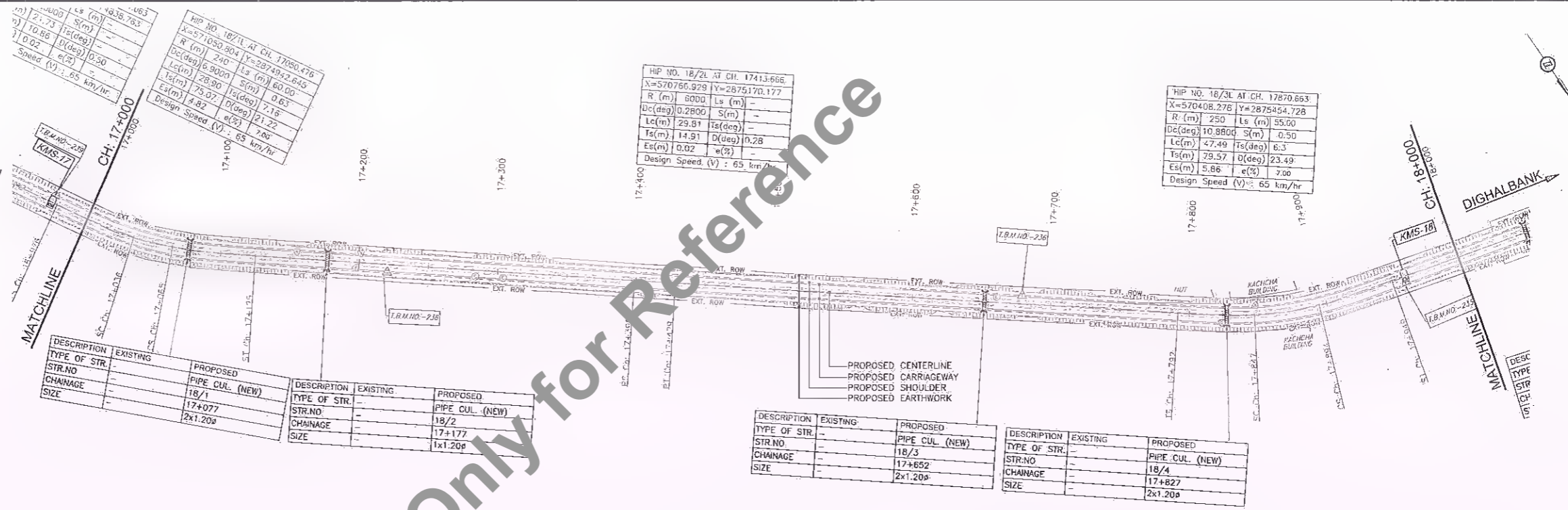
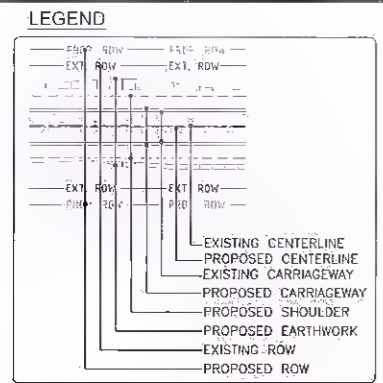
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M. S. R. D. C. L.
 PIU-Katihar

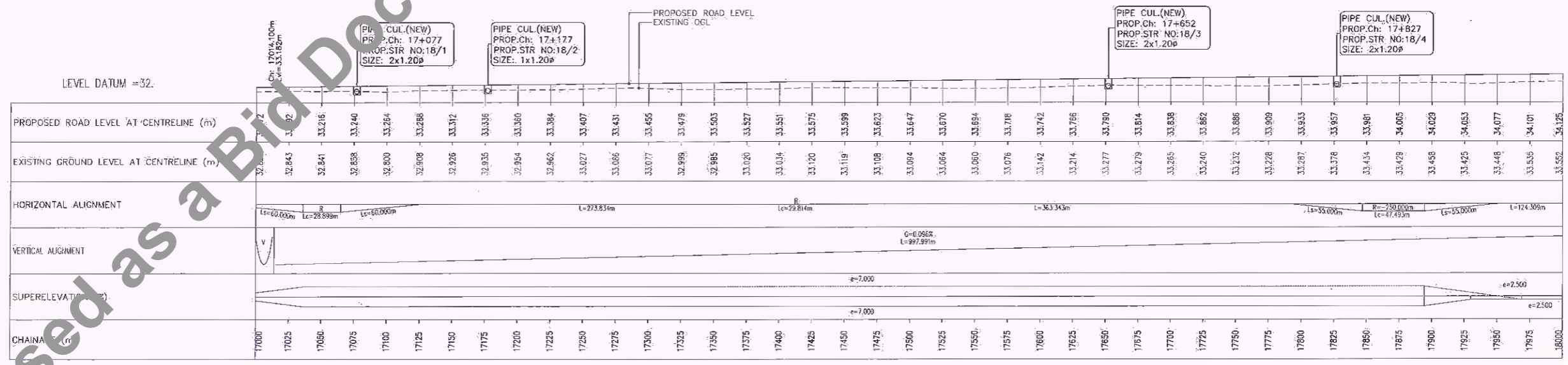
D. G. M. (Tech.)
 BSRDCL
 PIU-Katihar

<p>Bihar State Road Development Corporation Limited (BSRDCL) (A Government of Bihar Undertaking)</p>	<p>PROJECT: Consultancy Services for Preparation of Detailed Project Report of different State Highway in Bihar <i>Baysi - Bahadurganj - Dighalbank (SH-99)</i></p>	<p>CONSULTANTS: SAI Consulting Engineers- Pvt. Ltd. An ISO 9001 Certified Company Block-A "SAI House", Saiyanji Corporate Square, Bih. Rajghat, Udy. Bh. Badkay, Ahmedabad-380059, Gujarat India Phone: +91-79-26162809/780780, Fax: +91-79-26162809 Email: mail@saiindia.com</p>	<p>REV. DATE DESCRIPTION SIGN ISSUED BY: B.S.</p>	<p>TITLE: BAYSI - RAUTA (PACKAGE-II) ALIGNMENT PLAN & PROFILE KM. 16+000 TO KM. 17+000</p>
			<p>DRG. NO.: SAI-213007/DPR/C/HPP-17 REVISION: PF</p>	





ALIGNMENT PLAN



LONGITUDINAL SECTION

Manjer (Tech.)
BSRDCL
PIU-Katihar

D. G. M. (Tech.)
BSRDCL
PIU-Katihar

Bihar State Road Development Corporation Limited (BSRDCL)
(A Government of Bihar Undertaking)

Consultancy Services for Preparation of Detailed Project Report of different State Highway in Bihar
Baysi - Bahadurganj - Dighalbank (SH-99)

SAI Consulting Engineers Pvt. Ltd.
An ISO 9001 Certified Company

REV.	DATE	DESCRIPTION	SIGN	ISSUED BY
01	31/07/18	GOOD FOR CONSTRUCTION (REVISED DPR)		R.K.
02	17/12/18	GOOD FOR CONSTRUCTION (DPR)		A.S.
03	10/04/14	GOOD FOR CONSTRUCTION (DPR)		J.D.
04	26/02/14	ISSUED WITH FINAL DPR		B.S.
05	01/01/14	ADDENDUM OF DPR		
06	13/11/13	ISSUED WITH DPR		

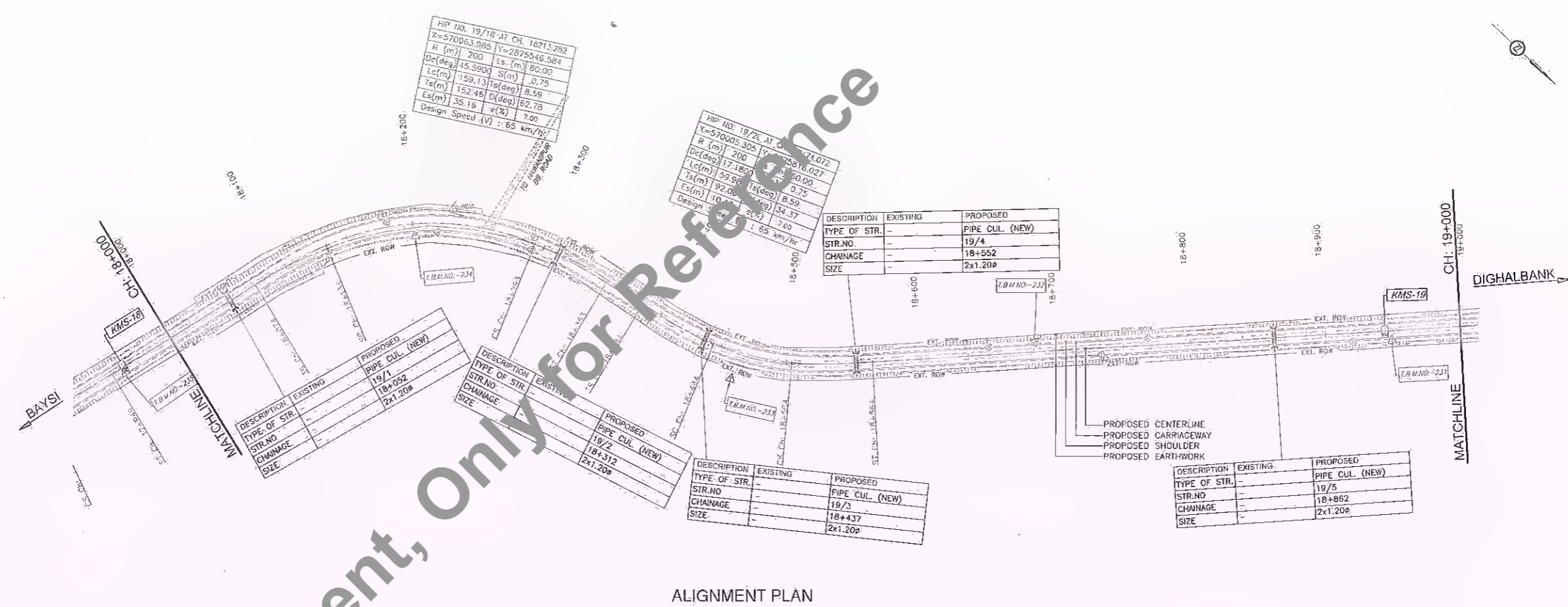
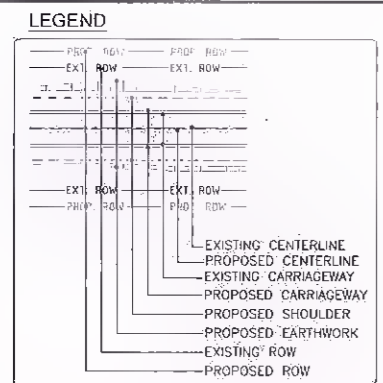
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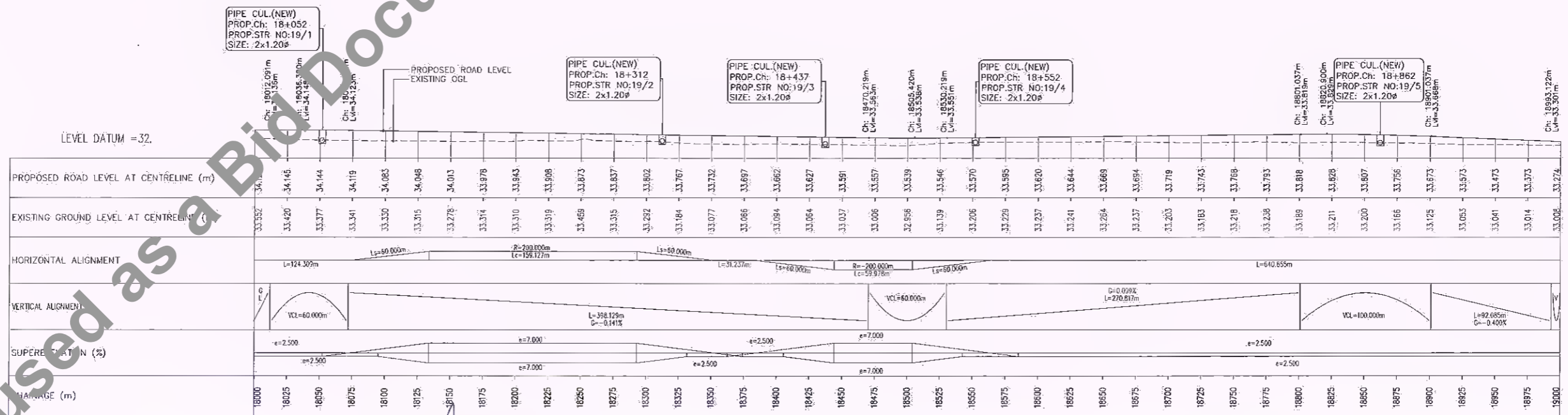
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LONGITUDINAL SECTION

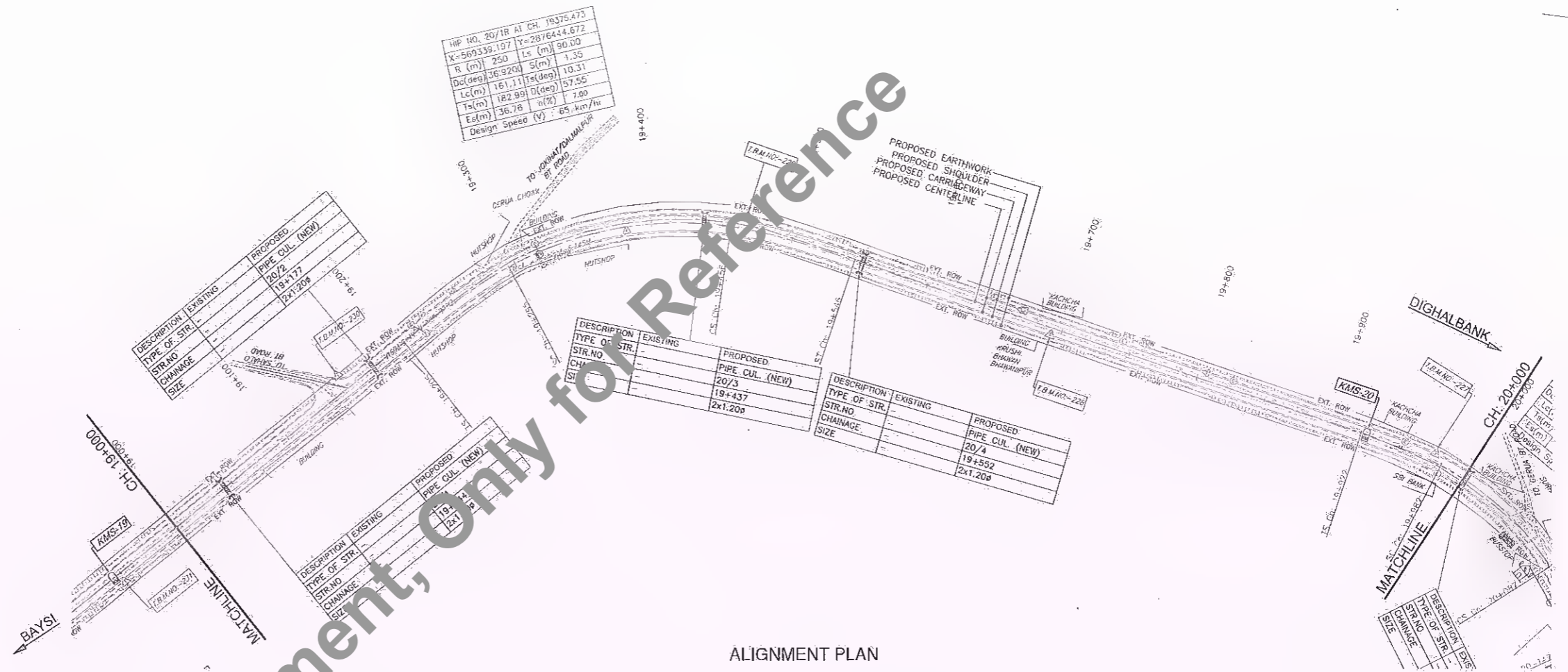
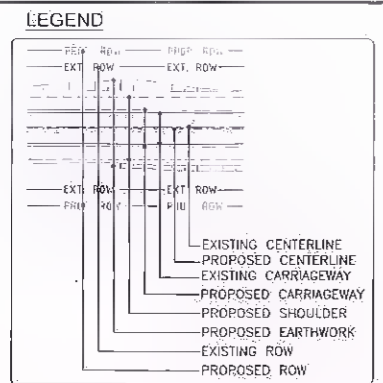
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Manager (Tech.)
BSRDCL
PIU-Katihar

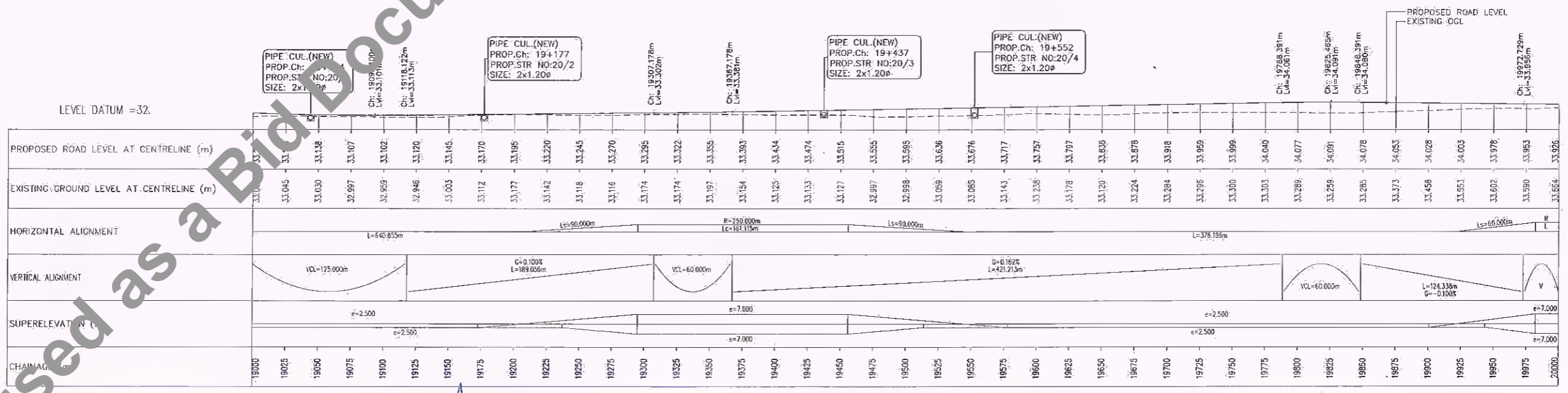
D. G. M. (Tech.)
BSRDCL
PIU-Katihar



<p>Bihar State Road Development Corporation Limited (BSRDCL) (A Government of Bihar Undertaking)</p>	<p>PROJECT: Consultancy Services for Preparation of Detailed Project Report of different State Highway in Bihar <i>Baysi - Bahadurganj - Dighalbank (SH-99)</i></p>	<p>CONSULTANTS: SAI Consulting Engineers Pvt. Ltd. An ISO 9001 Certified Company Block-A 'SAI House' Satyan Corporate Square, B/1 Rajpath Dist. Buxar, Bihar-800002, India Phone : +91-79-6614200/700/702 fax : +91-79-6614200 [email]: mail@saiconsulting.com</p>	<p>REV. DATE DESCRIPTION SIGN</p>	<p>DRAWN BY : R.K. CHECKED BY : A.S. APPROVED BY : J.D. ISSUED BY : B.S.</p>	<p>TITLE: BAYSI - RAUTA (PACKAGE-I) ALIGNMENT PLAN & PROFILE KM. 18+000 TO KM. 19+000</p> <p>DRG. NO. : SAI-213007/DP/RC/H/PP - 19 REVISION : PF</p>
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ALIGNMENT PLAN



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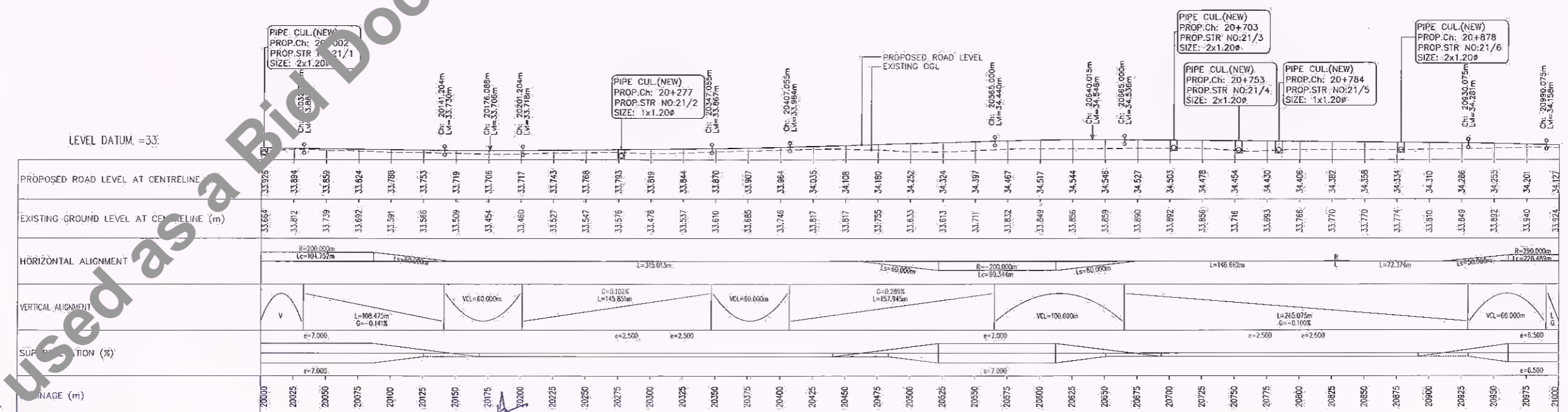
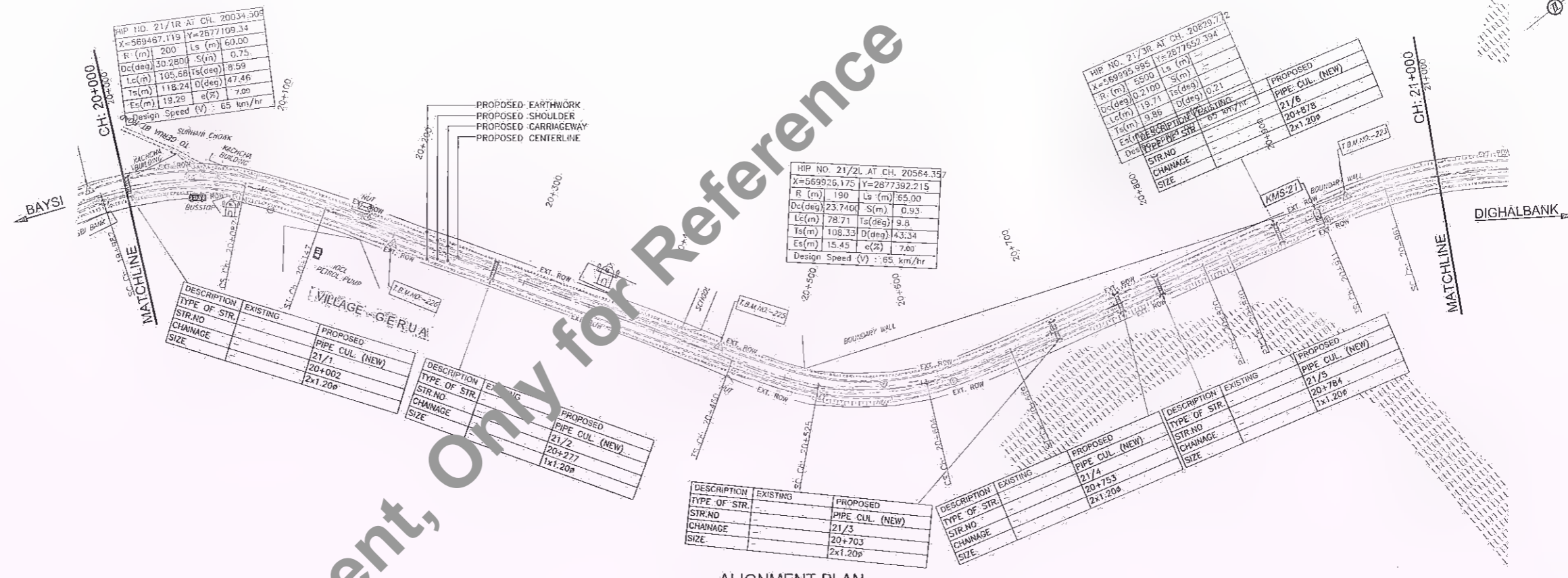
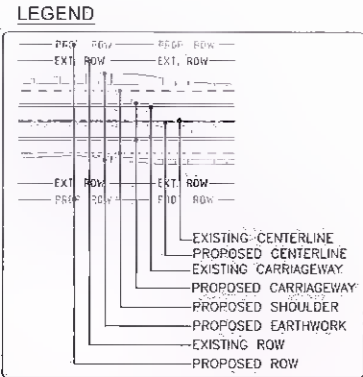
Manager (Tech.)
BSRDCL
PIU-Katihar

D. G. M. (Tech.)
BSRDCL
PIU-Katihar



<p>PROJECT: Bihar State Road Development Corporation Limited (BSRDCL) (A Government of Bihar Undertaking)</p>	<p>CONSULTANTS: Consultancy Services for Preparation of Detailed Project Report of different State Highway in Bihar Baysi - Bahadurganj - Dighalbank (SH-99)</p>	<p>CONSULTANTS: SAI Consulting Engineers Pvt. Ltd. An ISO 9001 Certified Company</p>	<p>REV. DATE DESCRIPTION SIGN ISSUED BY: B.S.</p> <p>HORIZONTAL - 1: 2500 VERTICAL - 1: 250</p>	<p>TITLE: BAYSI - RAUTA, (PACKAGE-I), ALIGNMENT PLAN & PROFILE KM. 19+000 TO KM. 20+000</p> <p>DRG. NO.: SAI-213007/DP/IC/HP/PP - 20</p> <p>REVISION: PF</p>
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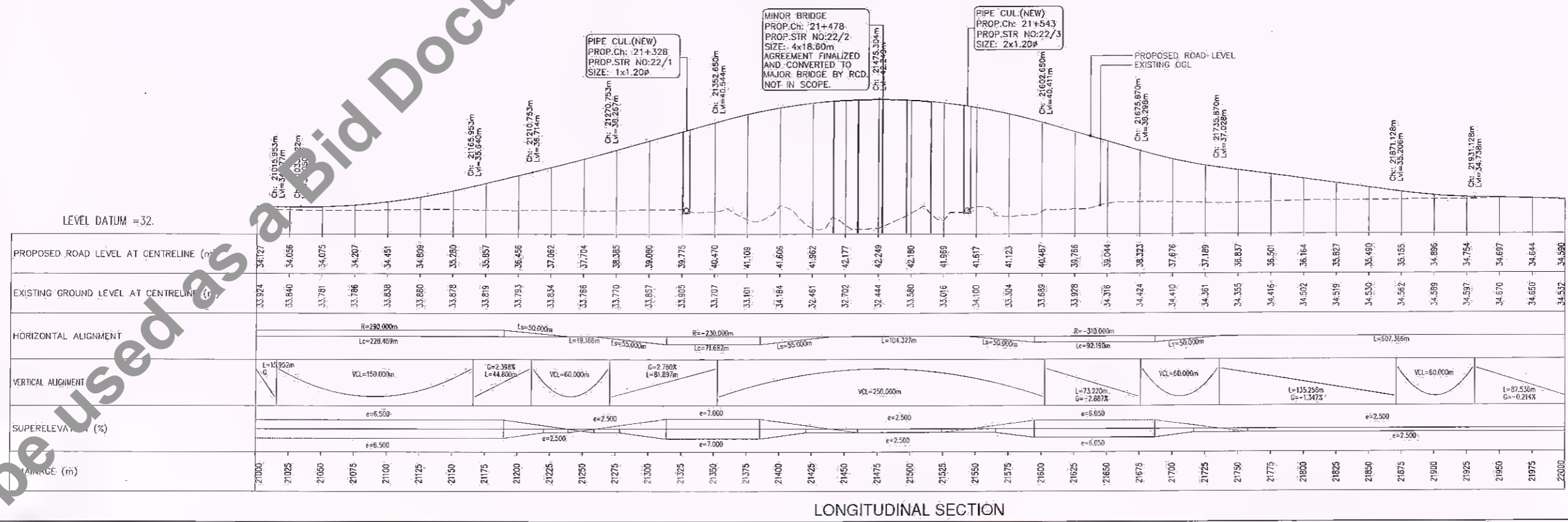
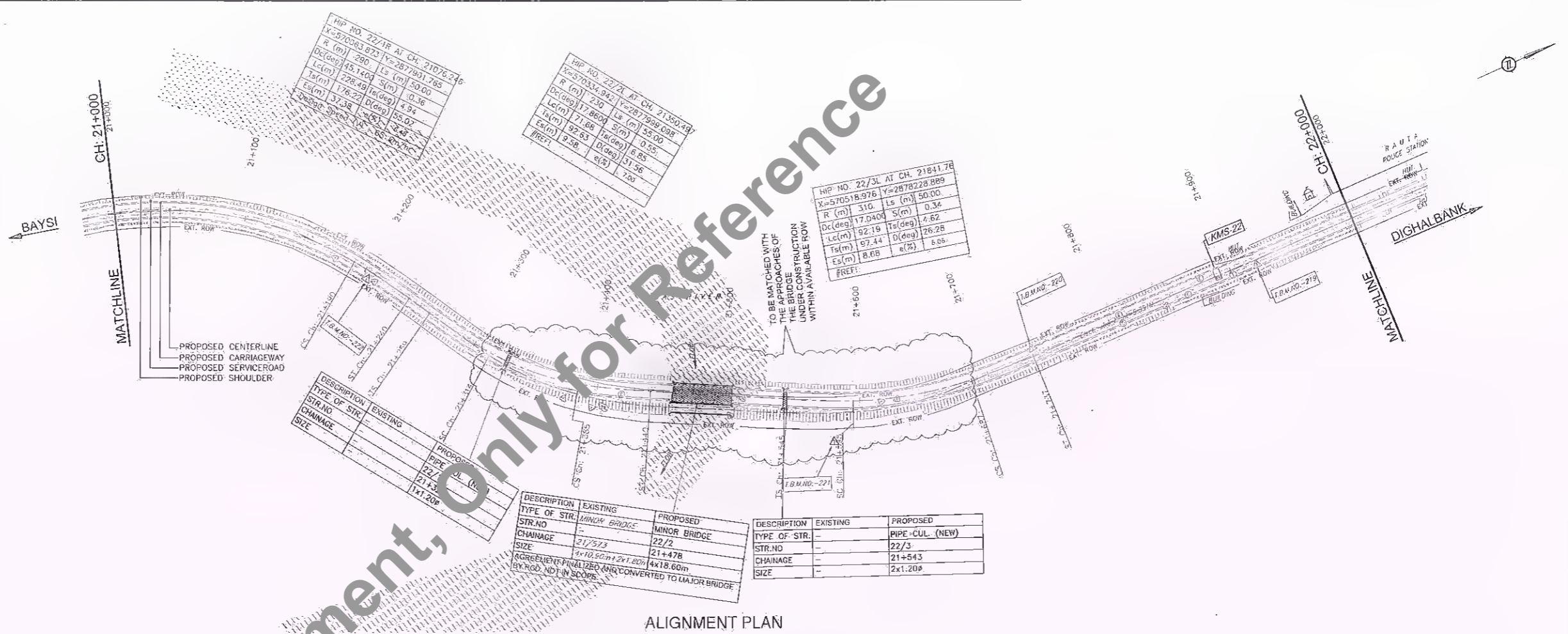
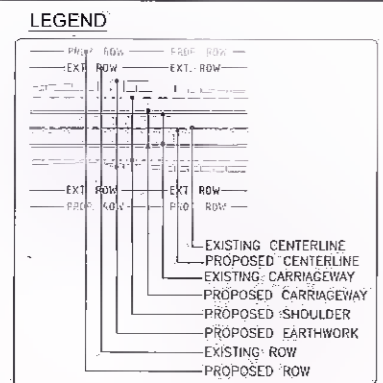
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Manager (Tech.)
 BSRDCL
 PIU-Katihar

D. G. M. (Tech.)
 BSRDCL
 PIU-Katihar

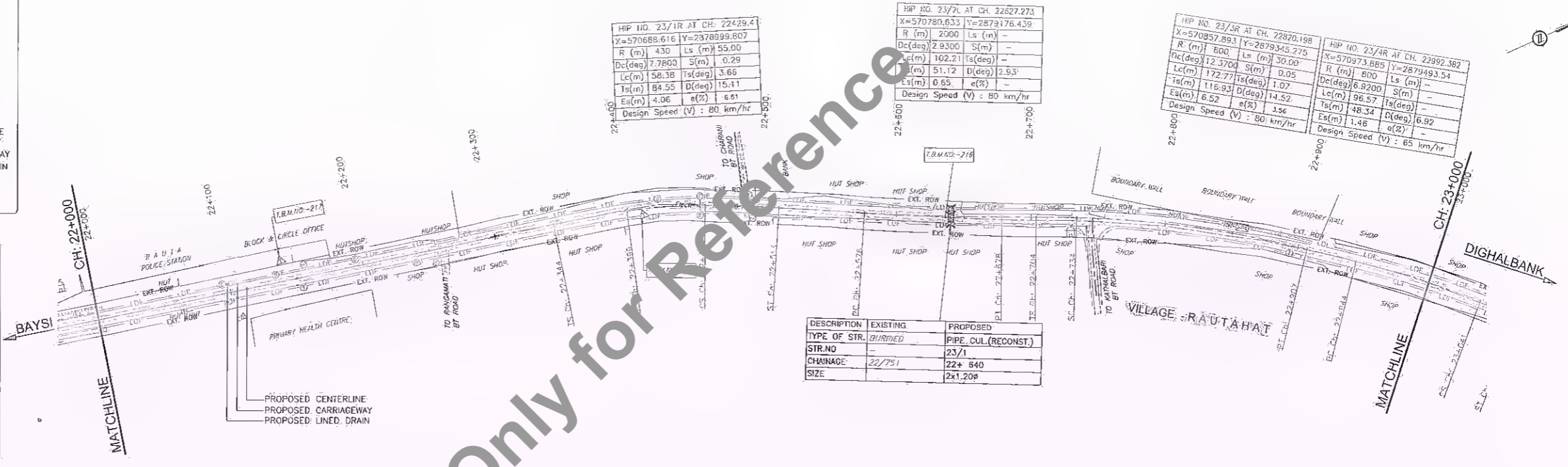
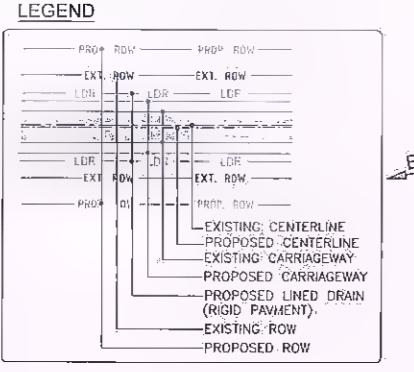
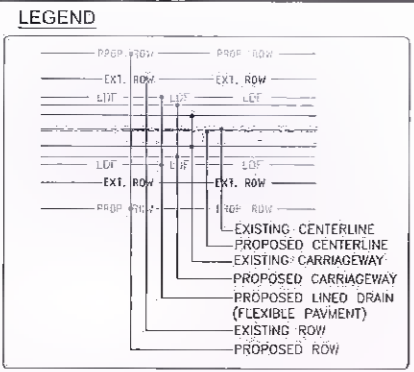


<p>Bihar State Road Development Corporation Limited (BSRDCL) (A Government of Bihar Undertaking)</p>	<p>PROJECT: Consultancy Services for Preparation of Detailed Project Report of different State Highway in Bihar Baysi - Bahadurganj - Dighalbank (SH-99)</p>	<p>CONSULTANTS: SAL Consulting Engineers, Pvt. Ltd. An ISO 9001 Certified Company Block-A "SAL House" Satyan Corporate Square, 4th Rajpath (Club Road) New Arrah-855009, Gopalganj, India Phone: +91-79-6682890/700, Fax: +91-79-6612809 Email: mail@saind.com</p>	<p>REV. DATE DESCRIPTION SIGN ISSUED BY</p> <p>PF 31/07/19 GOOD FOR CONSTRUCTION (REVISED DPR) DRAWN BY : R.K. PD 17/12/18 GOOD FOR CONSTRUCTION (GPR) CHECKED BY : A.S. PC 19/04/14 GOOD FOR CONSTRUCTION (GPR) APPROVED BY : J.D. PB 26/02/14 ISSUED WITH FINAL DPR PA 01/01/14 ADDENDUM OF DPR PA 15/11/13 ISSUED WITH DPR</p>	<p>TITLE: BAYSI - RAUTA (PACKAGE-I) ALIGNMENT PLAN & PROFILE KM. 20+000 TO KM. 21+000</p> <p>DRG. NO.: SAI-213007/DPR/C/HPP - 21</p> <p>REVISION : PF</p>
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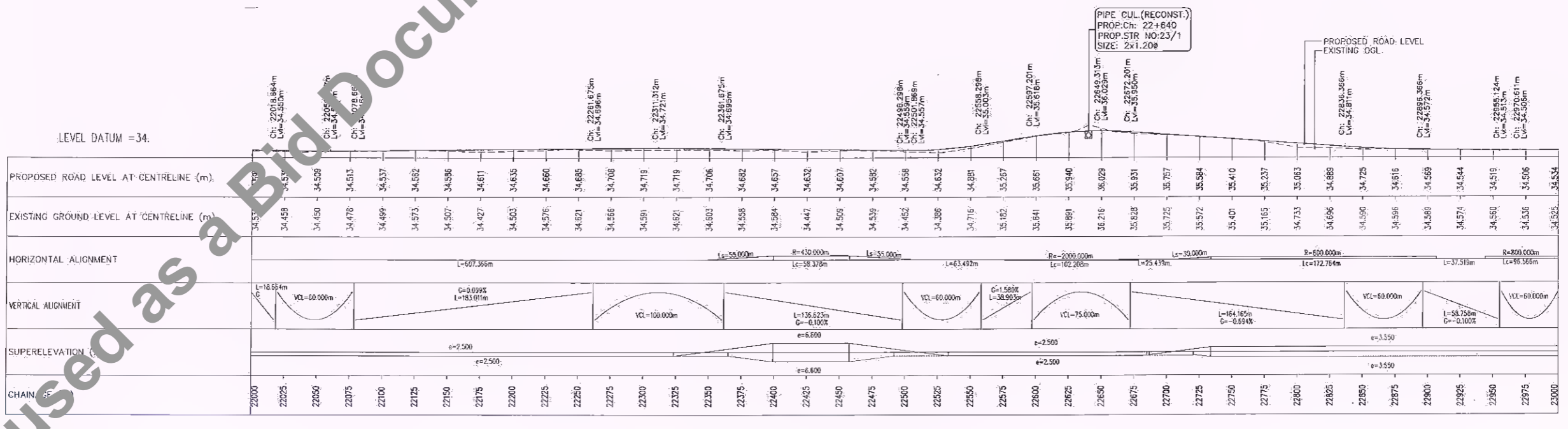


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<p>Bihar State Road Development Corporation Limited (BSRDCL) (A Government of Bihar Undertaking) Manager (Tech.) BSRDCL PIU-Katihar</p>	<p>PROJECT: Consultancy Services for Preparation of Detailed Project Report of different State Highway in Bihar Baysi - Bahadurganj - Dighalbank (SH-99) D. G. M. (Tech.) BSRDCL PIU-Katihar</p>	<p>CONSULTANTS: SAI Consulting Engineers Pvt. Ltd. An ISO 9001 Certified Company Block-A "SAI House", Sahayam Enterprise Square, B/n Rajpath Club, Bodakdy, Ahmedabad-380059, Gujarat, India Phone : +91-79-66162800/700, Fax : +91-79-66162800 Email : mod@saiindia.com</p>	<p>DATE: 31/07/18 PE: 17/12/18 PD: 10/04/14 PC: 26/02/14 PB: 01/01/14 PA: 13/11/13</p>	<p>COOD FOR CONSTRUCTION (REVISED DPR) GOOD FOR CONSTRUCTION (DPR) GOOD FOR CONSTRUCTION (DPR) ISSUED WITH FINAL DPR ADDENDUM OF DPR ISSUED WITH DPR</p>	<p>DRAWN BY : R.K. CHECKED BY : A.S. APPROVED BY : J.D. ISSUED BY : B.S.</p>	<p>TITLE: BAYSI - RAUTA (PACKAGE-I) ALIGNMENT PLAN & PROFILE KM. 21+000 TO KM. 22+000</p>
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ALIGNMENT PLAN



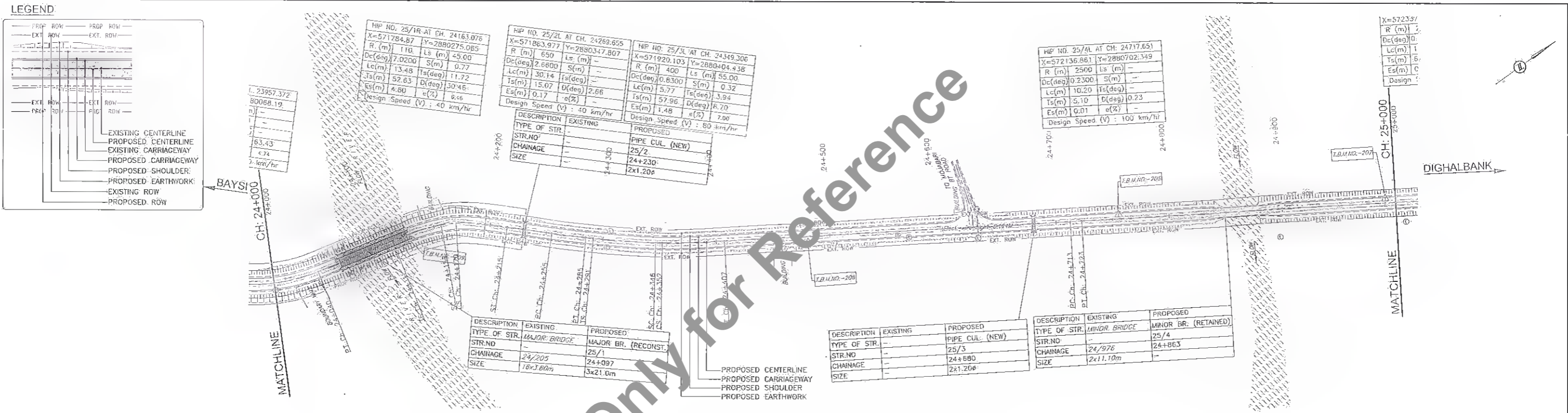
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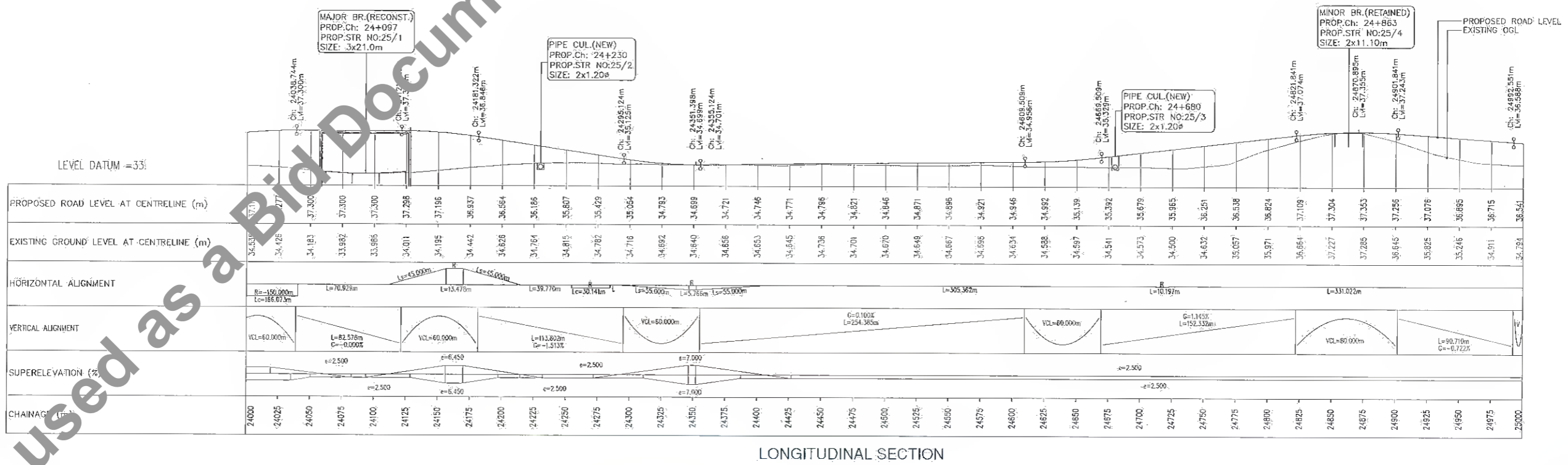
Manager (Tech.)
BSRDCL
PIU-Katihar



<p>Bihar State Road Development Corporation Limited (BSRDCL) (A Government of Bihar Undertaking)</p>	<p>PROJECT: Consultancy Services for Preparation of Detailed Project Report of different State Highway in Bihar Baysi - Bahadurganj - Dighalbank (SH-99) D. G. M. (Tech.) BSRDCL PIU-Katihar</p>	<p>CONSULTANTS: SAI Consulting Engineers Pvt. Ltd. An ISO 9001:2015 Certified Company Block-A "Sai House" Sanyal Corporate Square, B/H Rajpath Club, Redwood, Anandapuri - 380059 Gijralandia Phone : +91-79-6614200/700, Fax : +91-79-6614260 Email : mail@saiindia.com</p>	<p>REV. DATE DESCRIPTION SIGN</p> <p>31/07/19 GOOD FOR CONSTRUCTION (REVISED DPR) : R.K.</p> <p>17/12/18 GOOD FOR CONSTRUCTION (DPR) : A.S.</p> <p>10/04/18 GOOD FOR CONSTRUCTION (DPR) : J.D.</p> <p>26/02/18 ISSUED WITH FRAM. DPR</p> <p>13/11/13 ISSUED WITH DPR</p>	<p>DRAWN BY : R.K.</p> <p>CHECKED BY : A.S.</p> <p>APPROVED BY : J.D.</p> <p>ISSUED BY : B.S.</p>	<p>TITLE : RAJTA-MAHADEV DIGHI CHOWK (PACKAGE-III) ALIGNMENT PLAN & PROFILE KM. 22+000 TO KM. 23+000</p>
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ALIGNMENT PLAN



LONGITUDINAL SECTION

DATE: 2022/01/18 10:37am
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CLIENT :
Bihar State Road Development Corporation Limited (BSRDCL)
(A Government of Bihar Undertaking)

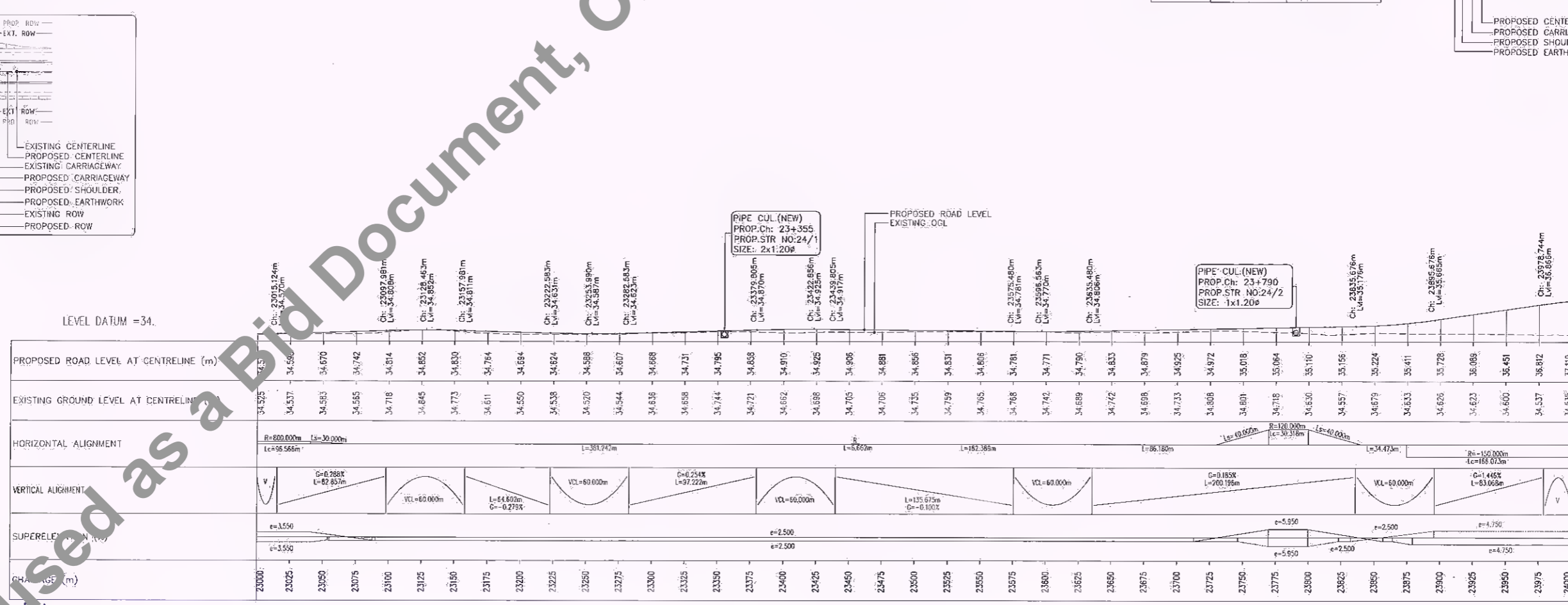
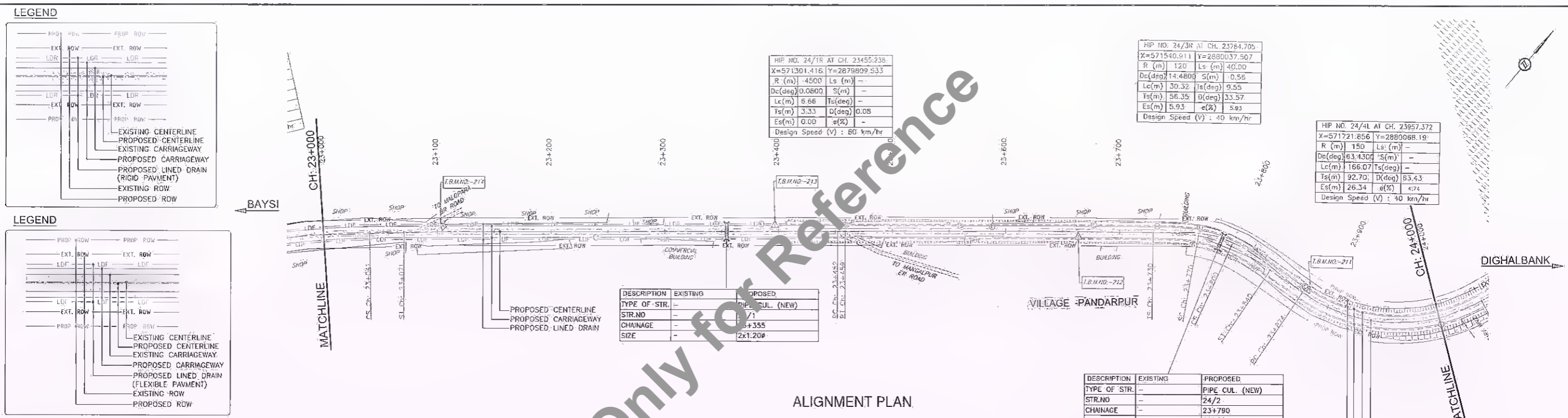
PROJECT :
Consultancy Services for Preparation of Detailed Project Report of different State Highway in Bihar
Baysi - Bahadurganj - Dighalbank (SH-99)

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

SAI CONSULTING ENGINEERS PVT. LTD.

PE	31/07/19	GOOD FOR CONSTRUCTION (REVISED DPR)	DRAWN BY : R.K.	TITLE : RAUTA-MAHADEV DIGHI CHOWK (PACKAGE-II)
PD	17/12/18	GOOD FOR CONSTRUCTION (DPR)	CHECKED BY : A.S.	ALIGNMENT PLAN & PROFILE
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PA	26/02/14	ISSUED WITH FINAL DPR	ISSUED BY : B.S.	DRG. NO. :
PI	13/11/13	ISSUED WITH DPR		SAI-213007/DPR/CH/PP - 25

REVISION : PE



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Manager (Tech.)
 BSRDCL
 PIU-Katihar

<p>Bihar State Road Development Corporation Limited (BSRDCL) (A Government of Bihar Undertaking)</p>	<p>PROJECT: Consultancy Services for Preparation of Detailed Project Report of different State Highway in Bihar Baysi - Bahadurganj - Dighalbank (SH-99)</p>	<p>CONSULTANTS: SAI Consulting Engineers Pvt. Ltd. An ISO 9001 Certified Company</p>	<p>PE 31/07/19 PD 17/12/18 PO 10/04/14 PB 26/02/14 PA 13/11/13</p>	<p>GOOD FOR CONSTRUCTION (REVISED DPR) GOOD FOR CONSTRUCTION (DPR) GOOD FOR CONSTRUCTION (DPR) ISSUED WITH DPR</p>	<p>DRAWN BY : R.K. CHECKED BY : A.S. APPROVED BY : J.D. ISSUED BY : B.S.</p>	<p>TITLE: RAUTA-MAHADEV DIGHI CHOWK (PACKAGE-II) ALIGNMENT PLAN & PROFILE KM. 23+000 TO KM. 24+000</p>
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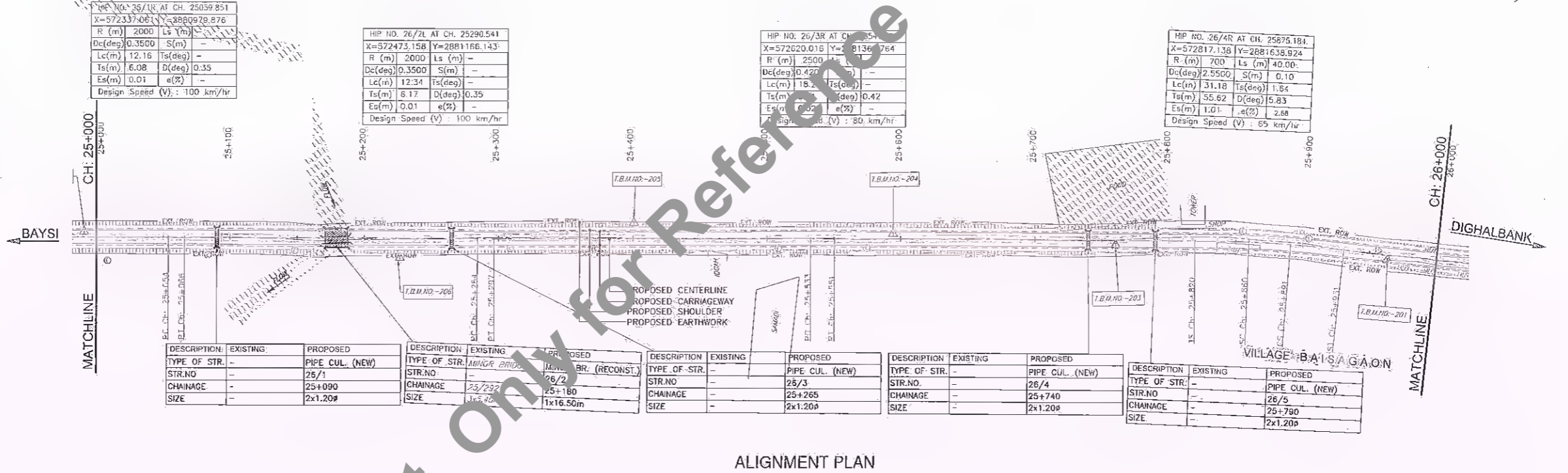
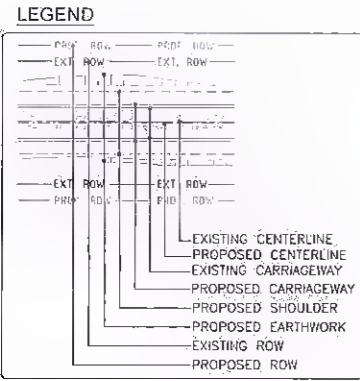
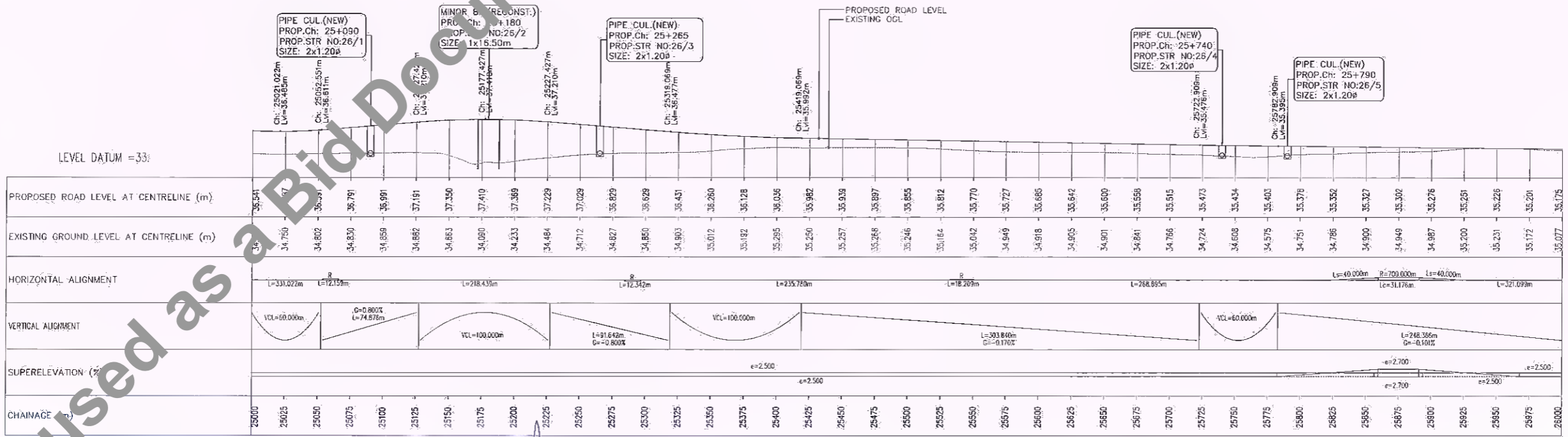


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ALIGNMENT PLAN



LONGITUDINAL SECTION

Manager (Tech.)
BSRDCL
PIU-Katihar

D. G. M. (Tech.)
BSRDCL
PIU-Katihar



Client: Bihar State Road Development Corporation Limited (BSRDCL) (A Government of Bihar Undertaking)

Project: Consultancy Services for Preparation of Detailed Project Report of different State Highway in Bihar Baysi - Bahadurganj - Dighalbank (SH-99)

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

Revision table with columns: REV., DATE, DESCRIPTION, SIGN, ISSUED BY.

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DATE: 2021/12/12 - 6:55pm
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