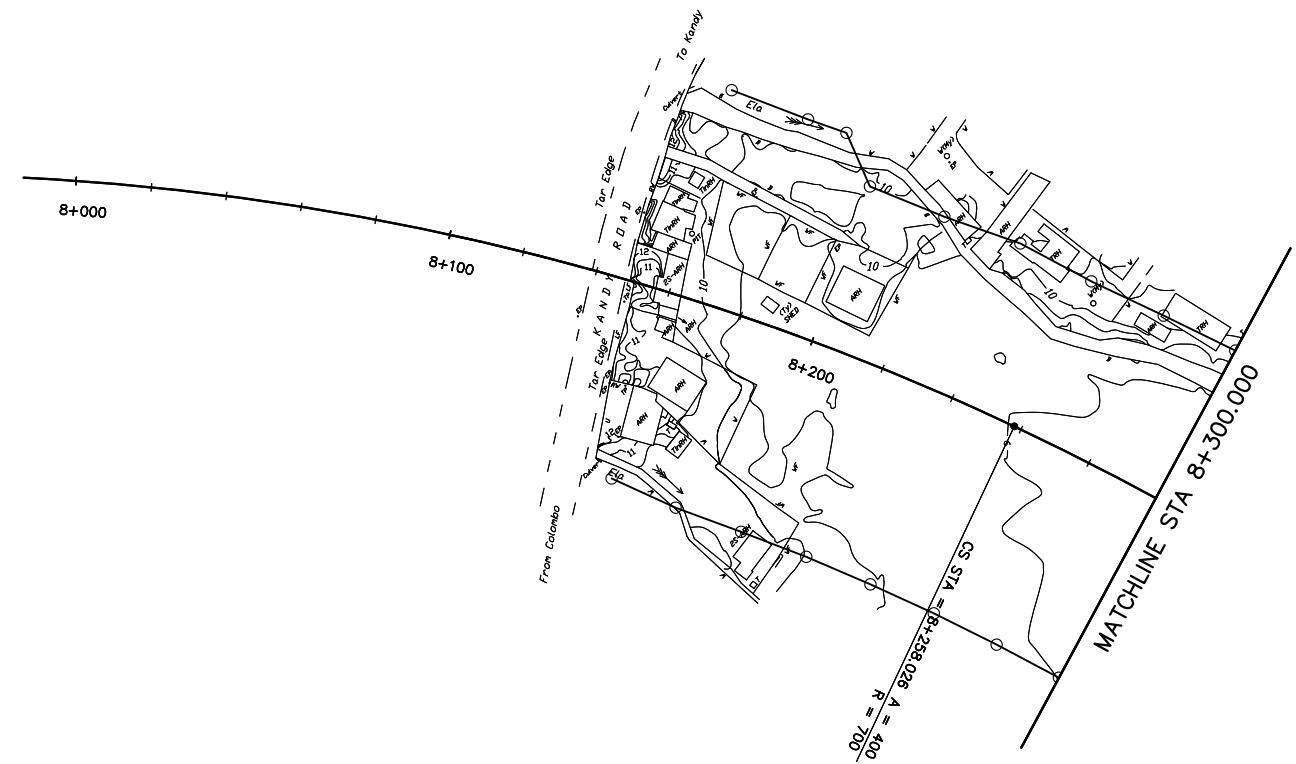
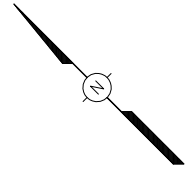


E. PLAN OF FACILITIES



JICA JAPAN INTERNATIONAL COOPERATION AGENCY

ORIENTAL CONSULTANTS COMPANY LIMITED
in association with
PACIFIC CONSULTANTS INTERNATIONAL

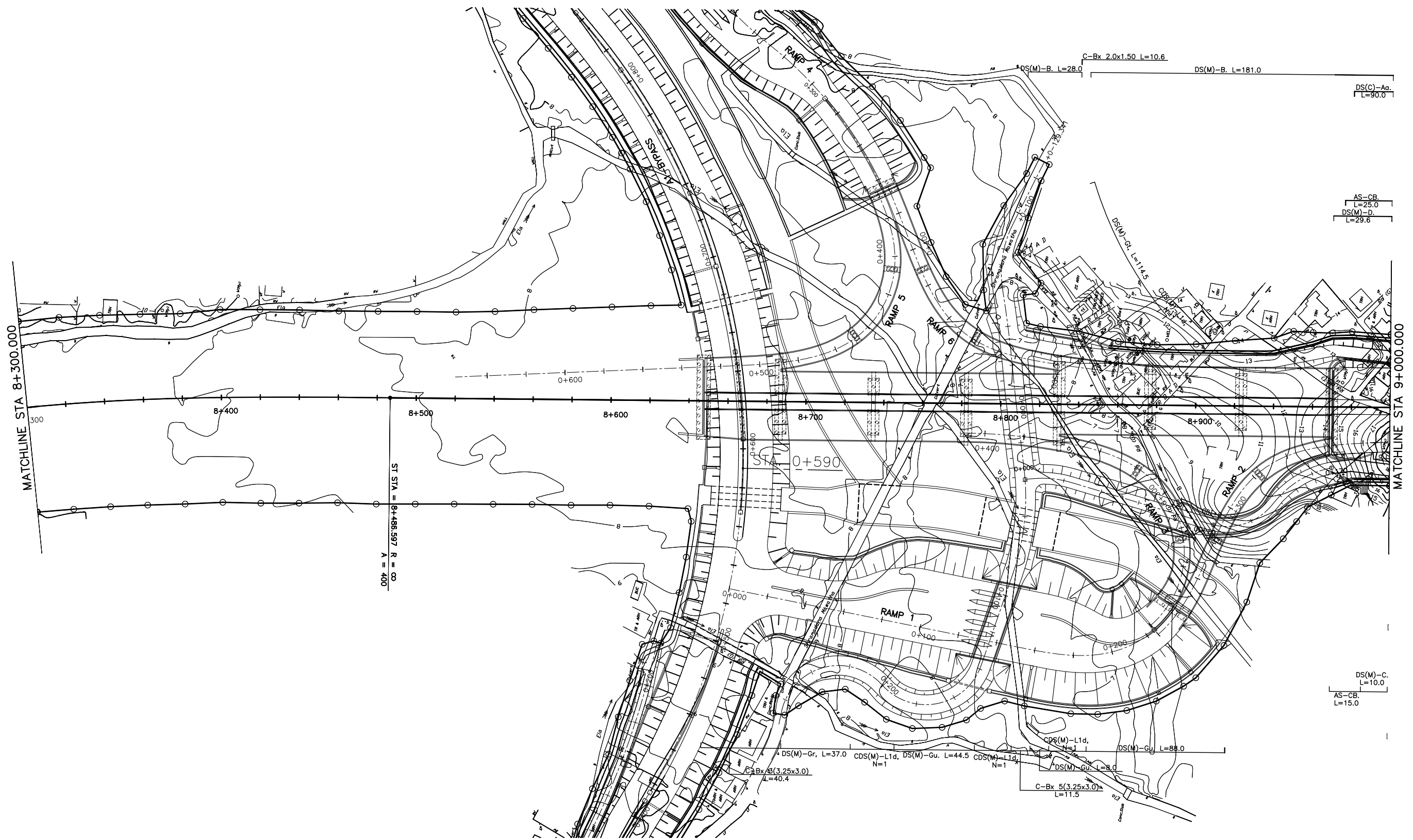
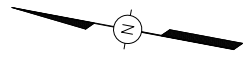


No	REVISION	DATE

COLOMBO OUTER CIRCULAR HIGHWAY PROJECT
(NORTHERN SECTION 1)

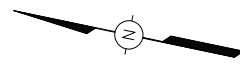
PLAN OF FACILITIES
STA. 7+600.000 TO 8+300.000

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	E-01



No	REVISION	DATE

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	E-02



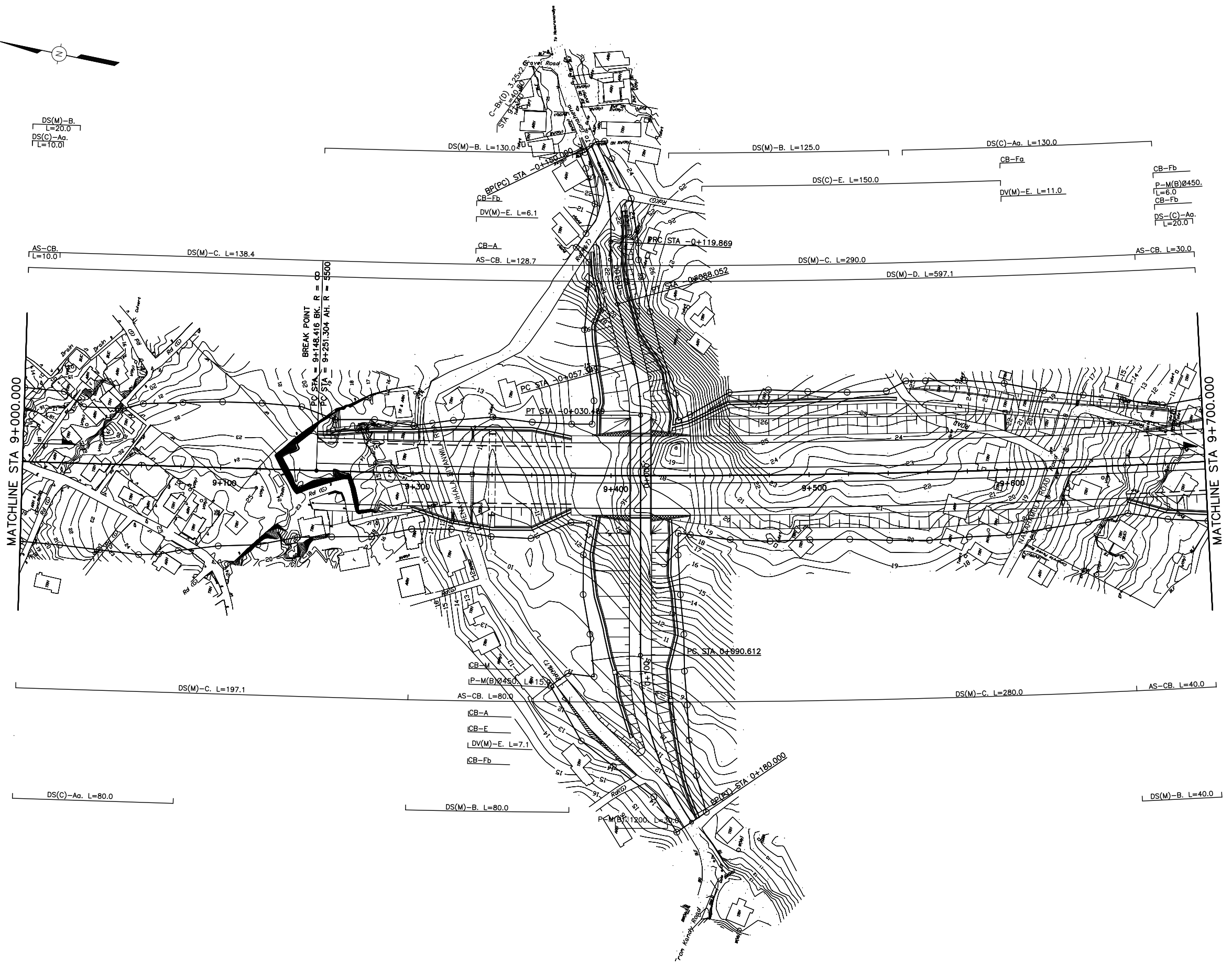
DS(M)-B
L=20.0
DS(C)-Ag.
L=10.0

AS-CB
L=10.0

MATCHLINE STA 9+000.000

MATCHLINE STA 9+700.000

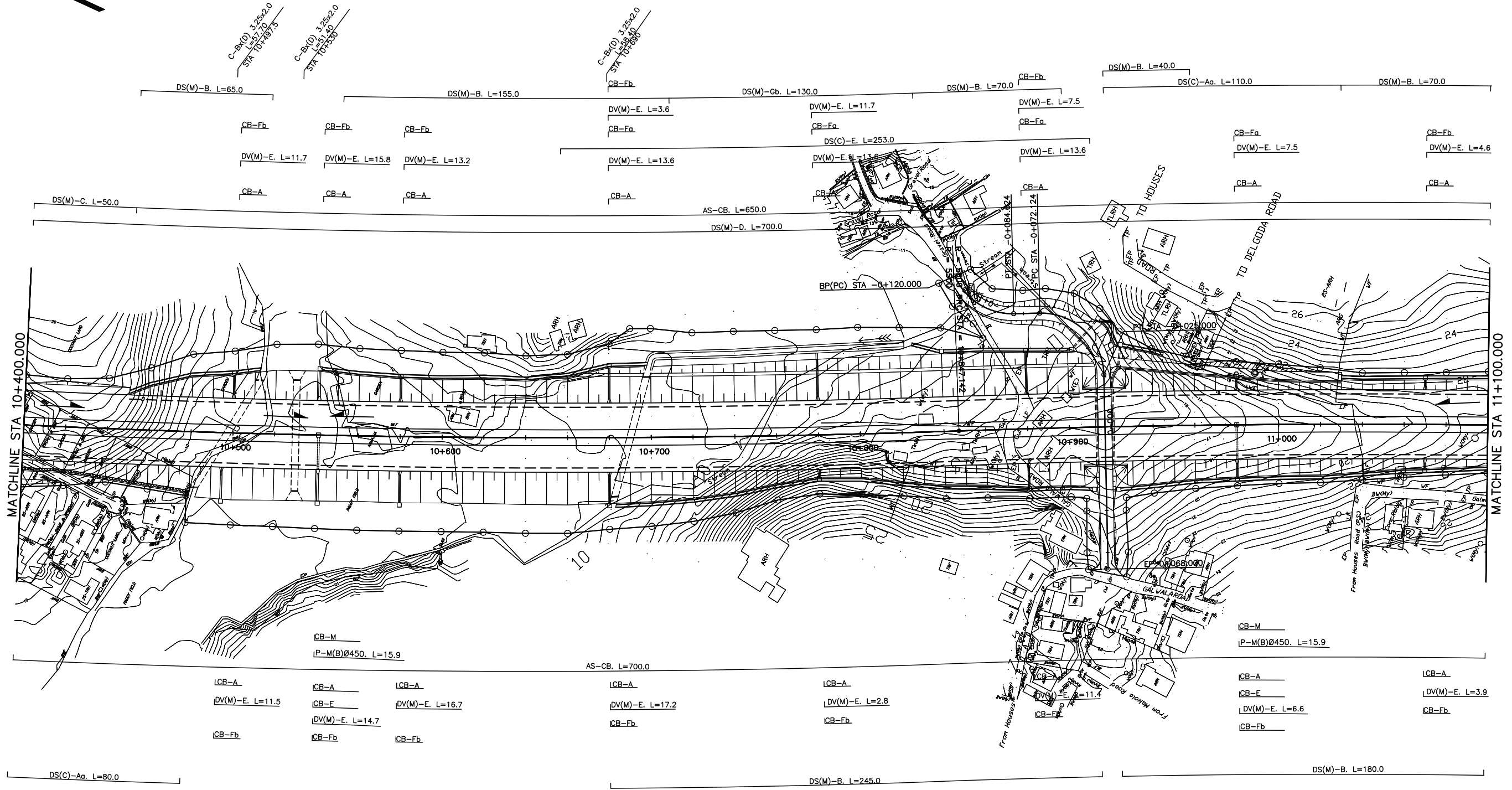
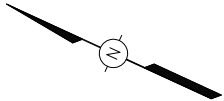
BREAK POINT
PC STA = 9+148.416 BK. R = ∞
PT STA = 9+251.304 AH. R = 5500

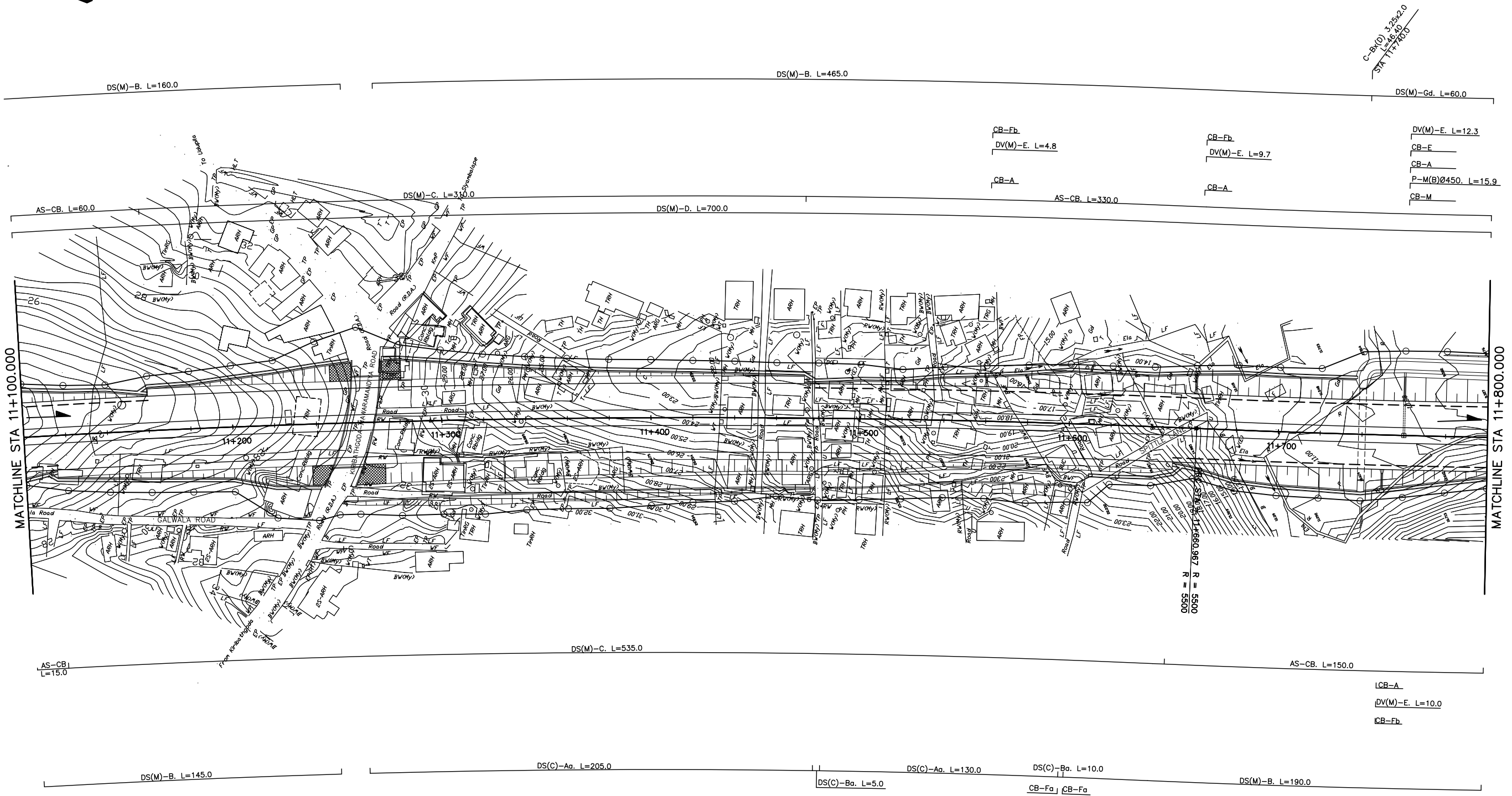
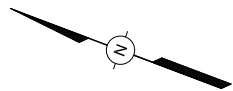


DS(C)-Ag. L=80.0

DS(M)-B. L=80.0

DS(M)-B. L=40.0

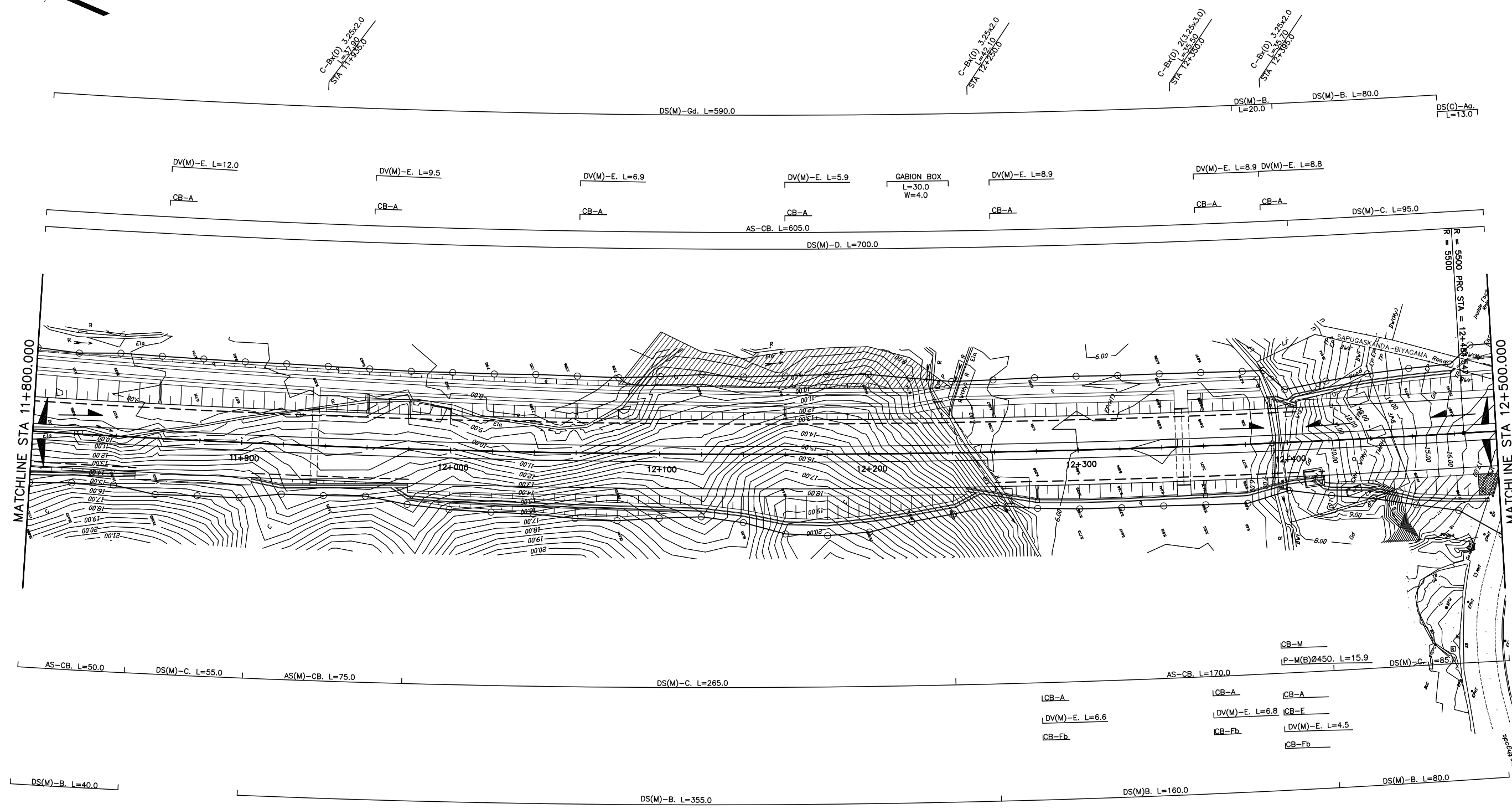
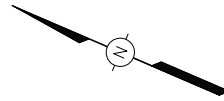




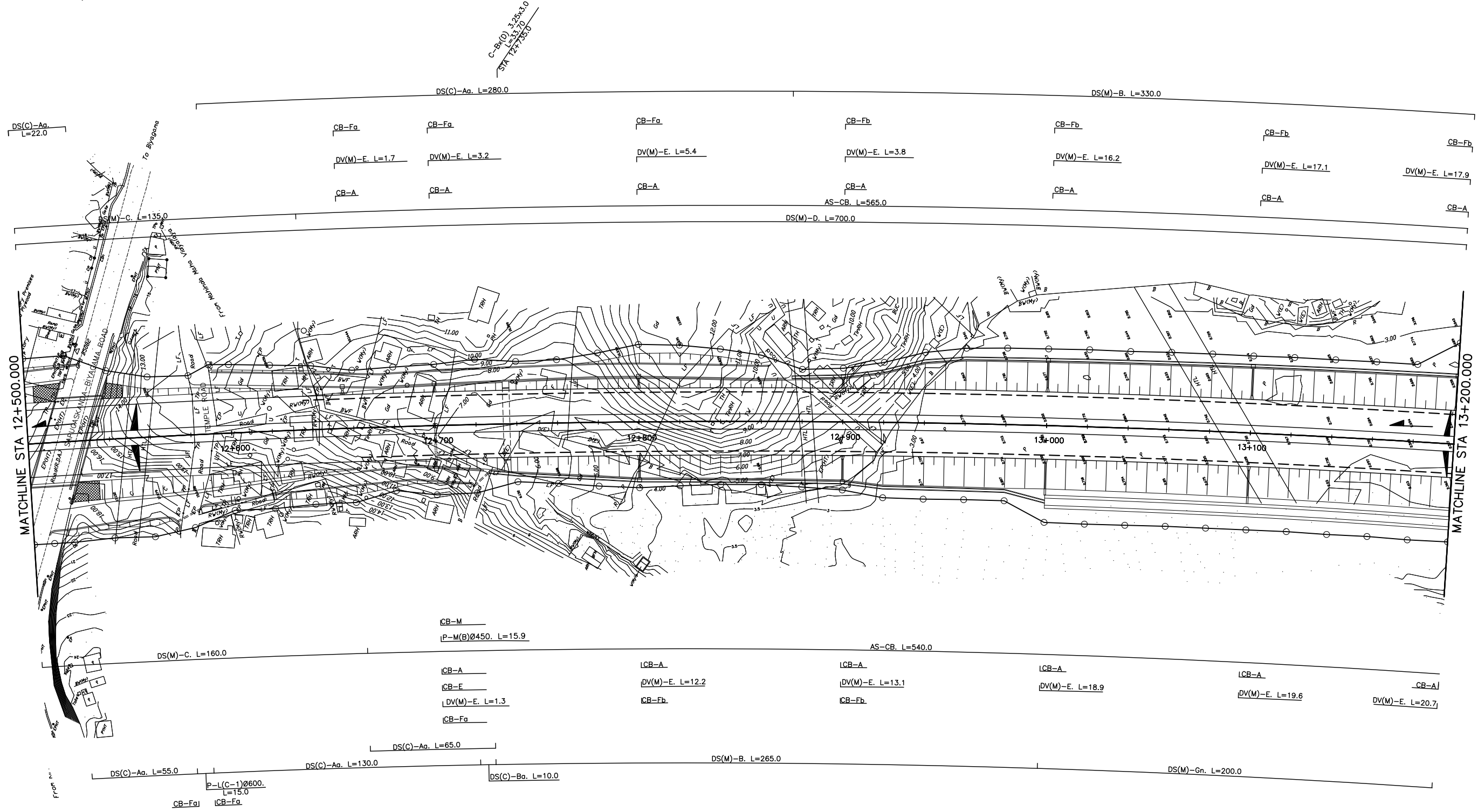
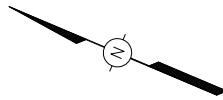
C-B(0) 3.23x2.0
STA 11+780.0

No	REVISION	DATE

DESIGNED BY:	
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APPROVED BY:	
DWG. NO.	E-06



MATCHLINE STA 12+500.000



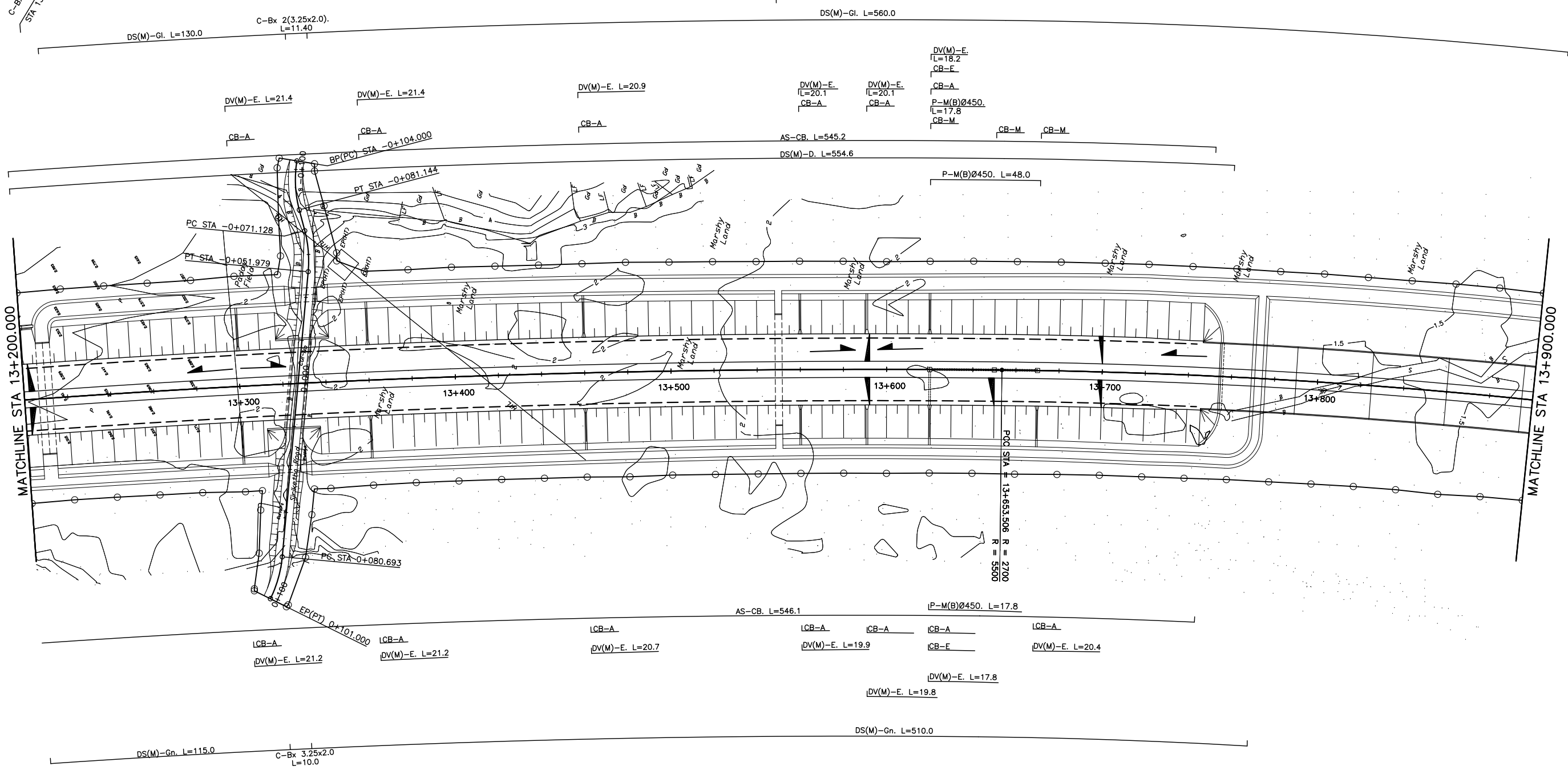
No	REVISION	DATE

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	E-08



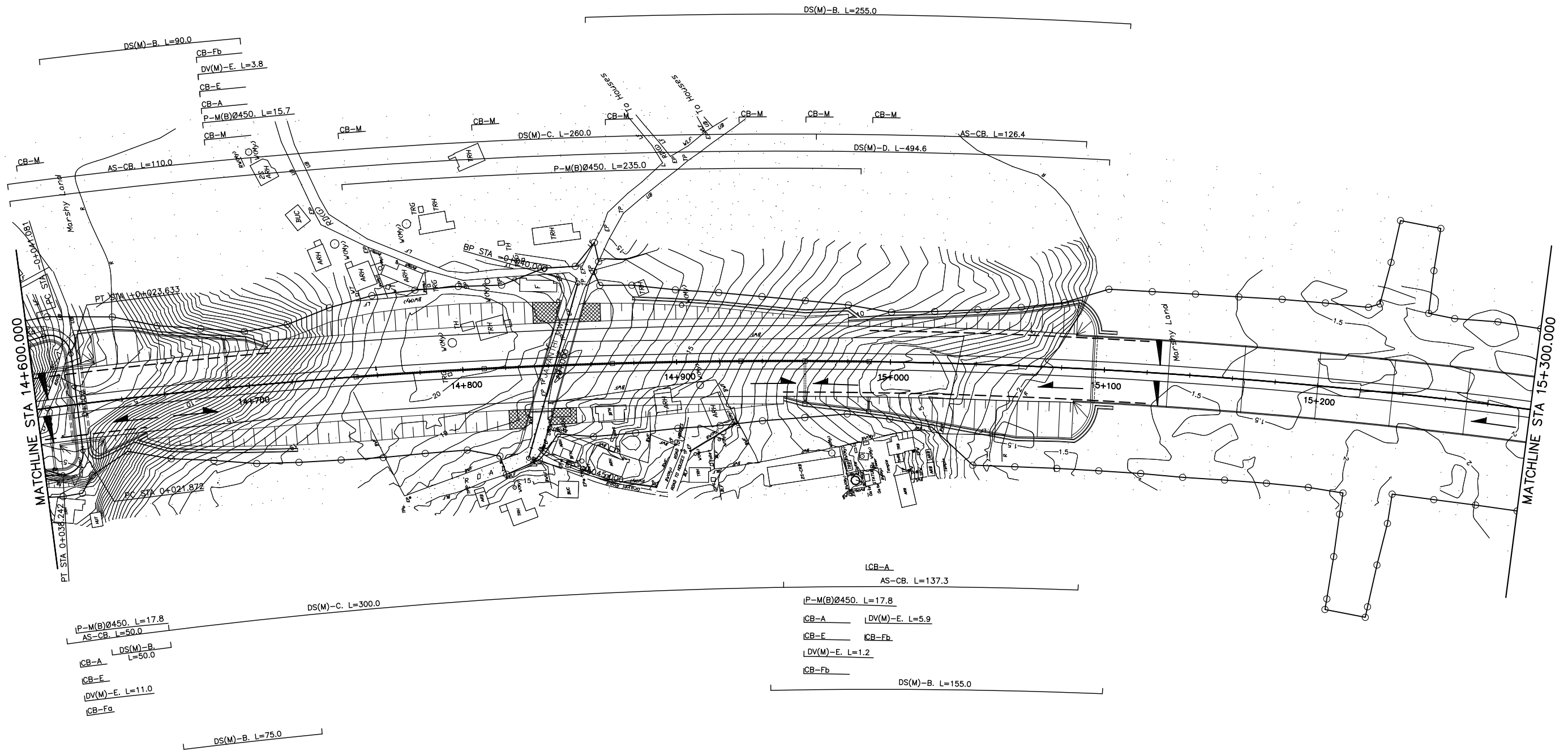
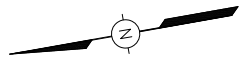
C-Bx(D) 2(3.25x3.0)
L=56.0
STA 13+270.0

C-Bx(D) 3(2.5x2.0)
L=56.0
STA 13+350.0



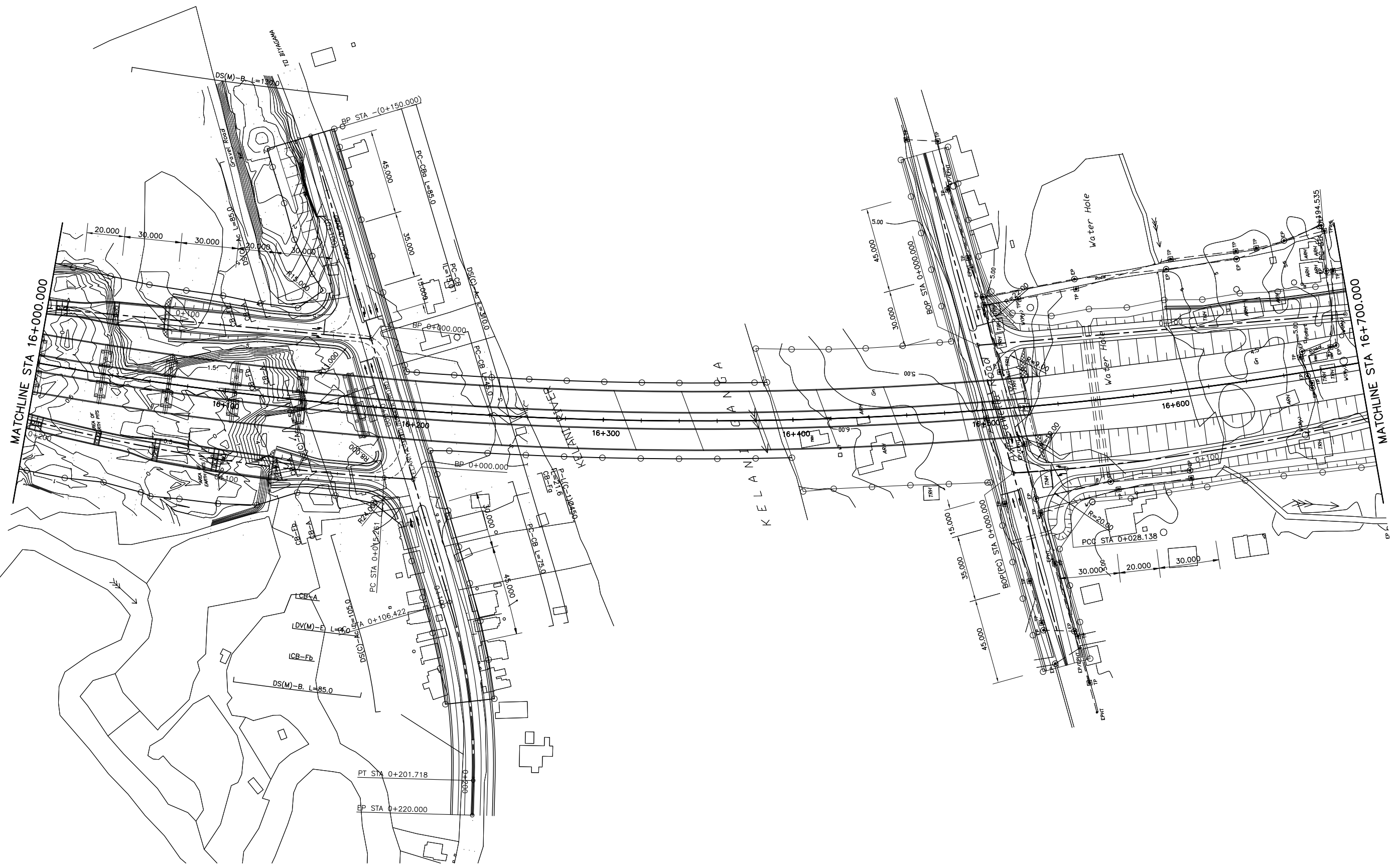
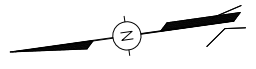
No	REVISION	DATE

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	E-09



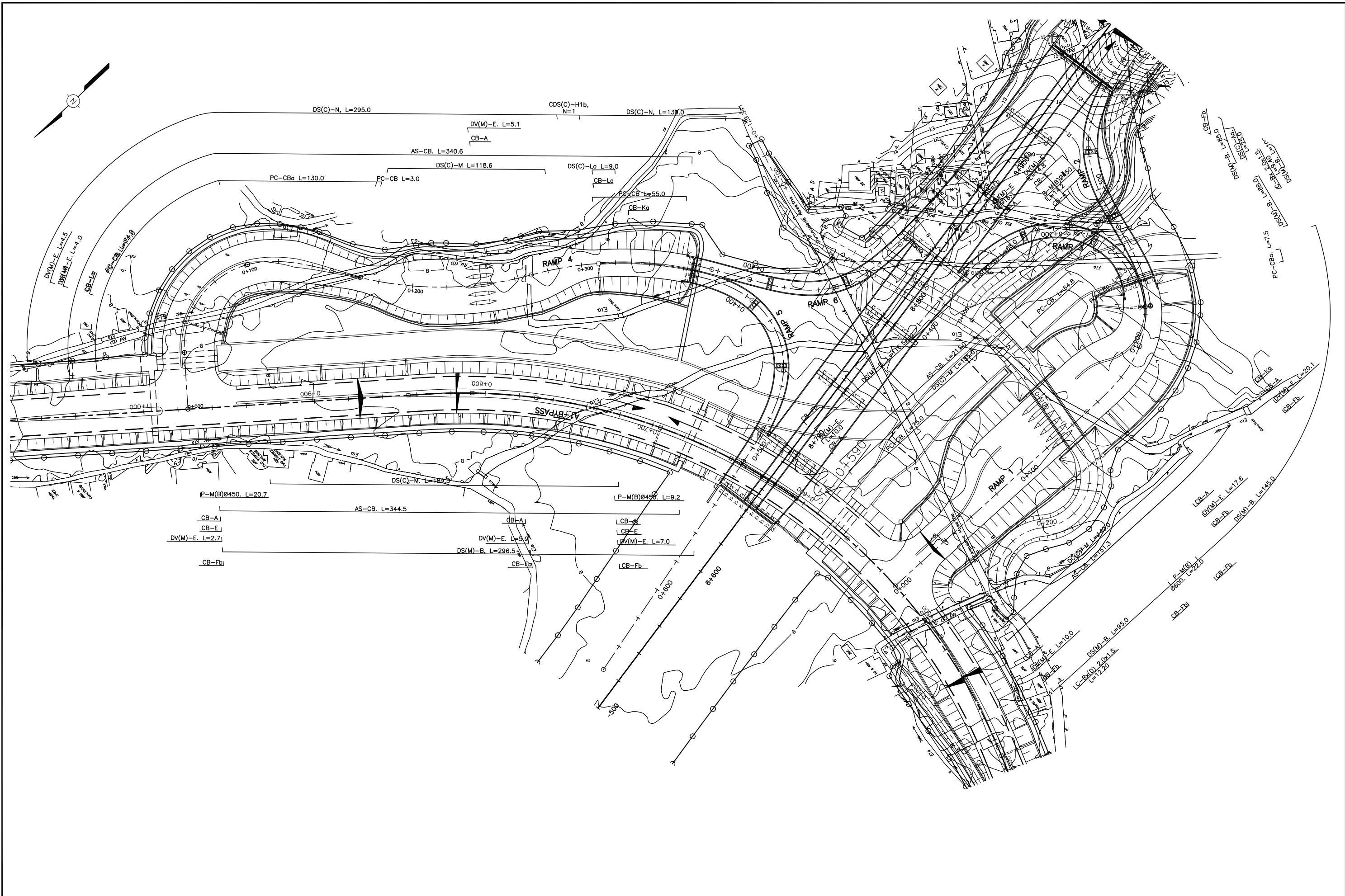
No	REVISION	DATE

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	E-11



No	REVISION	DATE

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	E-13



THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF HIGHWAYS & ROAD DEVELOPMENT



JICA JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS COMPANY LIMITED
in association with
PACIFIC CONSULTANTS INTERNATIONAL

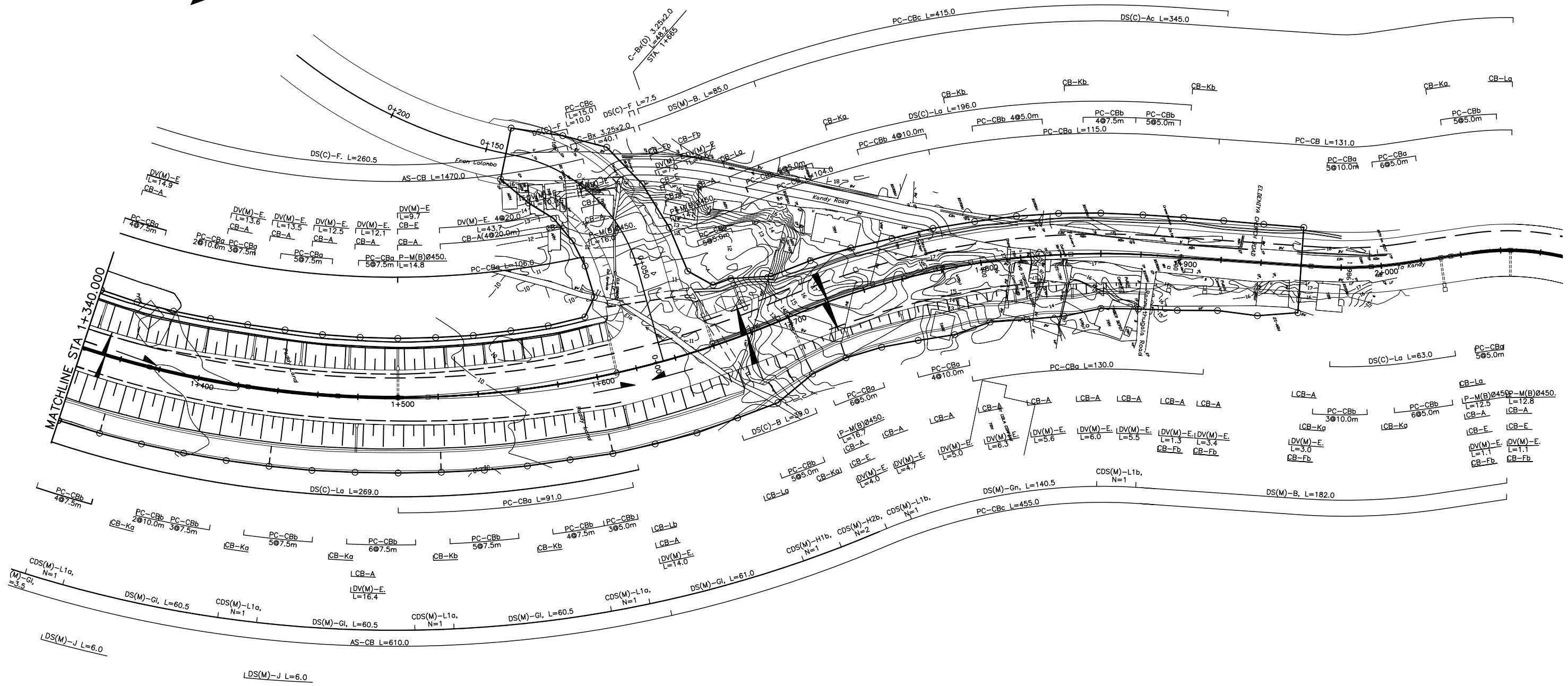
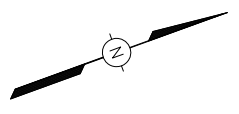


No	REVISION	DATE

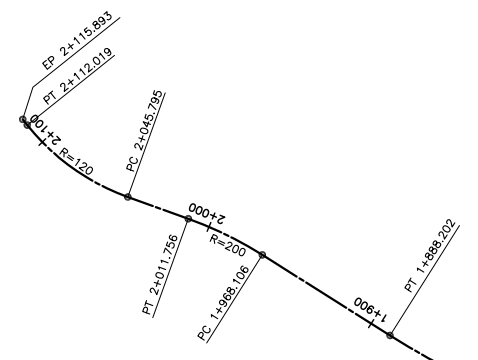
COLOMBO OUTER CIRCULAR HIGHWAY PROJECT
(NORTHERN SECTION 1)

PLAN OF FACILITIES
A1-IC

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	E-14



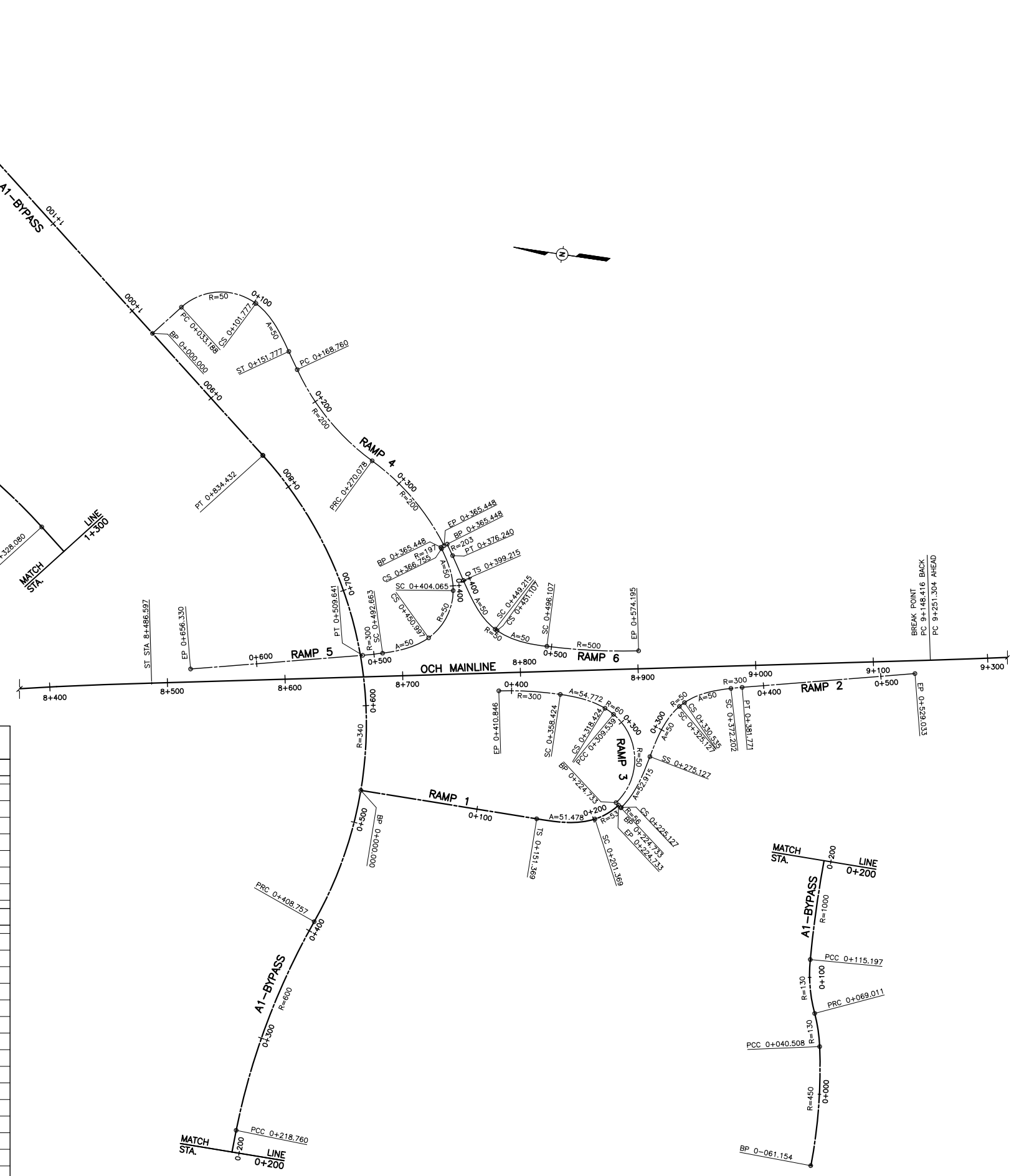
F. INTERCHANGE



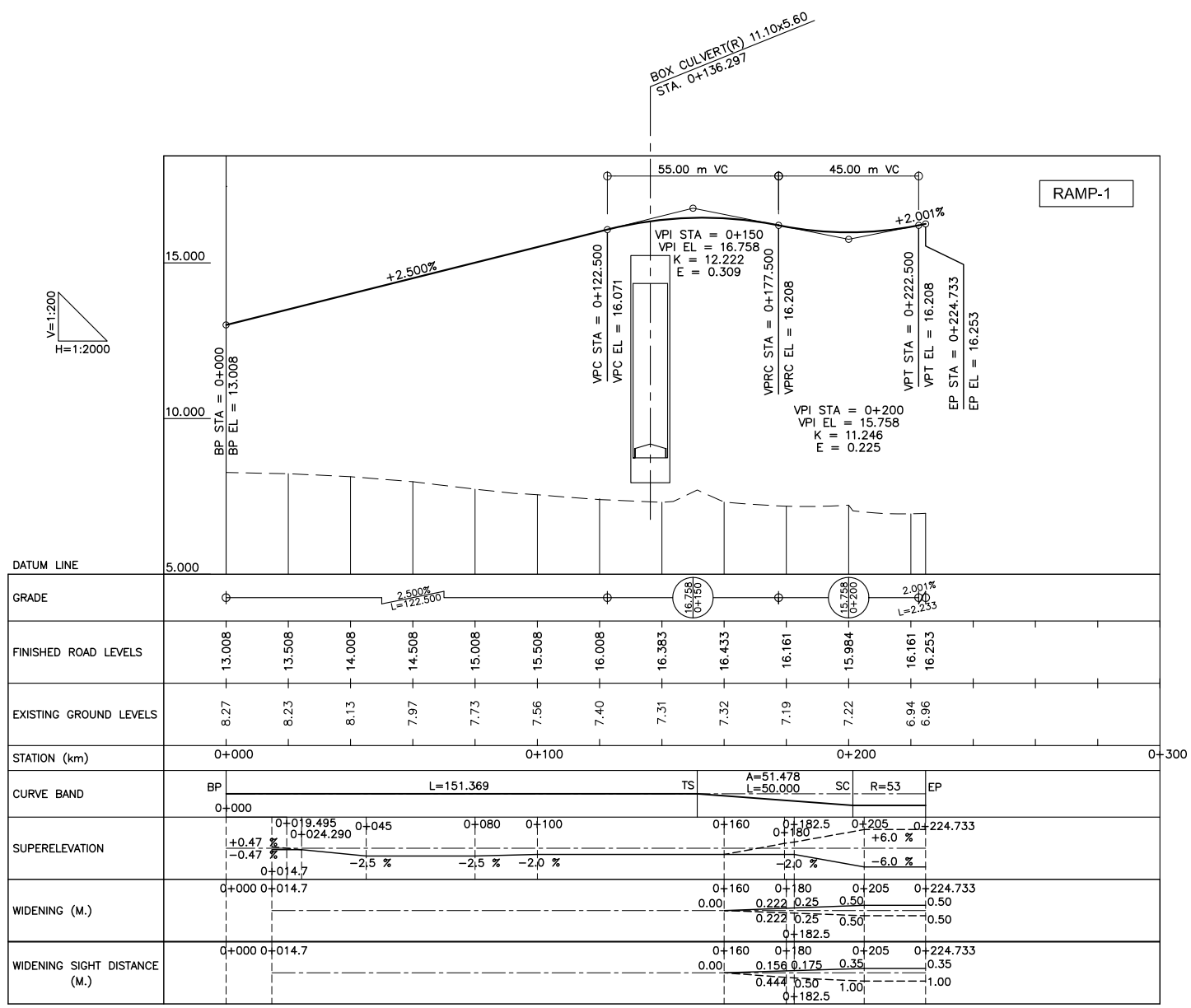
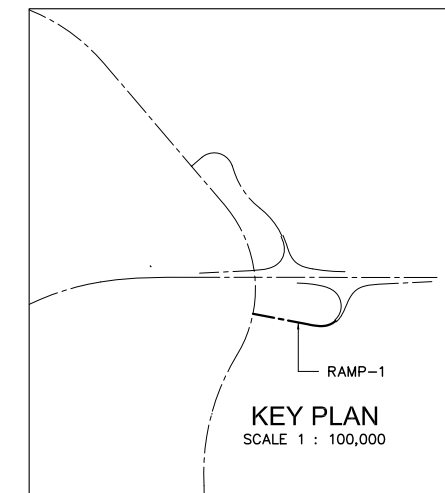
ELEMENTS OF CURVE
A-1 INTERCHANGE

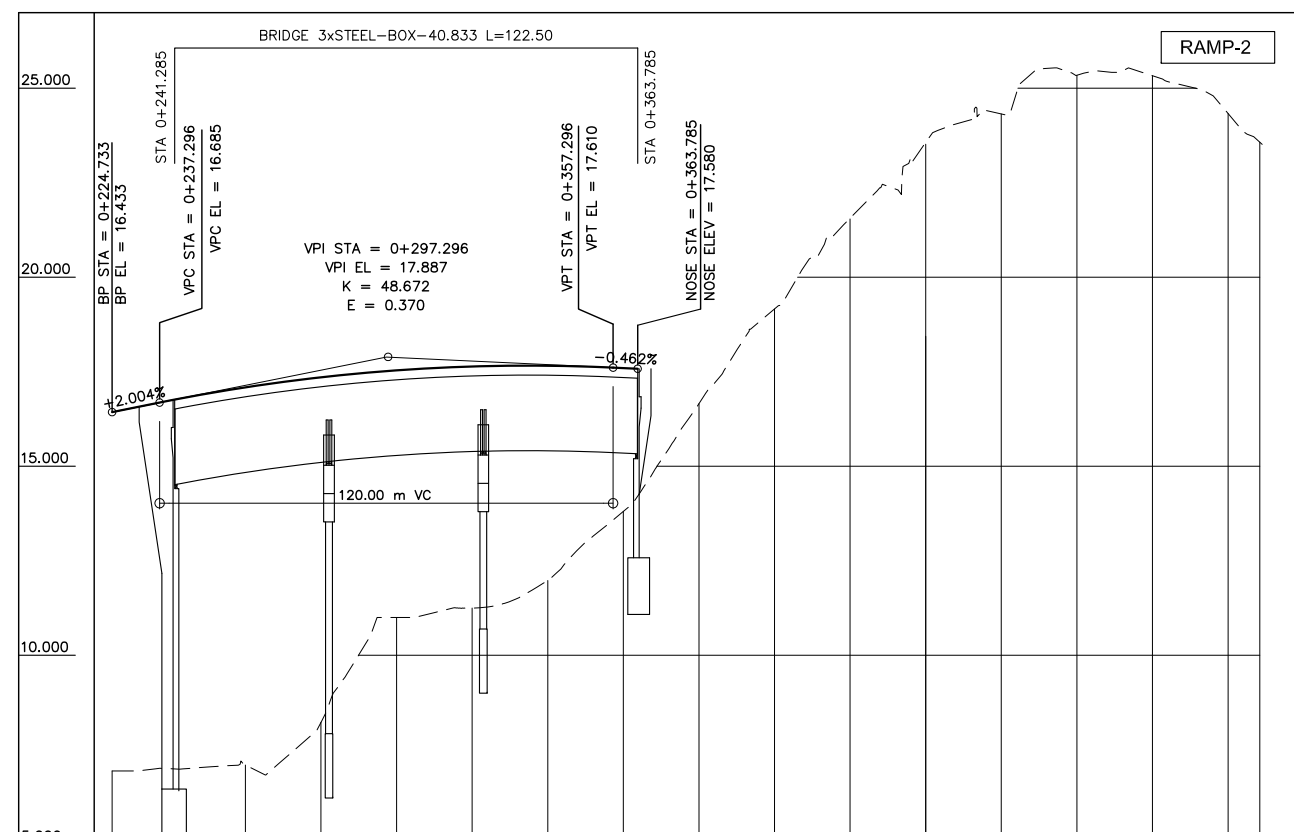
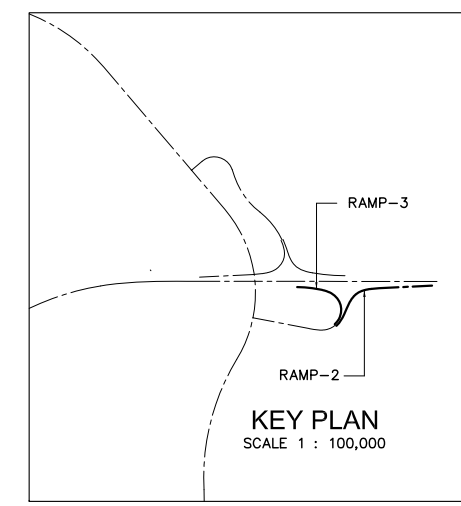
POINT	STATION	COORDINATES		A	R
		EAST	NORTH		
RAMP 1					
BP	0+000.000	110,104.878	200,261.370		
TS	0+151.369	110,102.680	200,110.017	A=51.478	
SC	0+201.369	110,109.707	200,061.011		R=53
EP	0+224.733	110,124.236	200,042.956		
RAMP 2					
BP	0+224.733	110,122.367	200,040.610		R=56
CS	0+225.127	110,122.676	200,040.365	A=52.915	
SS	0+275.127	110,168.919	200,022.542	A=50	
SC	0+325.127	110,214.734	200,003.943		R=50
CS	0+330.535	110,218.601	200,000.167	A=50	
SC	0+372.202	110,236.250	199,962.890		R=300
PT	0+381.771	110,238.536	199,953.598		
EP	0+529.033	110,271.436	199,810.058		
RAMP 3					
BP	0+224.733	110,126.106	200,045.302		R=50
PCC	0+309.539	110,199.957	200,058.381		R=60
CS	0+318.424	110,204.004	200,066.280	A=54.772	
SC	0+358.424	110,210.130	200,105.531		R=300
EP	0+410.846	110,205.529	200,157.685		
RAMP 4					
BP	0+000.000	110,463.101	200,492.912		
PC	0+033.188	110,488.713	200,471.806		R=50
CS	0+101.777	110,501.025	200,409.678	A=50	
ST	0+151.777	110,464.740	200,376.087		
PC	0+168.760	110,450.539	200,366.772		R=200
PRC	0+270.078	110,383.176	200,292.544		R=200
EP	0+365.448	110,320.736	200,221.652		
RAMP 5					
BP	0+365.448	110,319.017	200,224.110		R=197
CS	0+366.755	110,317.943	200,223.365	A=50	
SC	0+404.065	110,284.138	200,208.417		R=50
CS	0+450.997	110,241.401	200,223.221	A=50	
SC	0+492.663	110,222.838	200,260.051		R=300
PT	0+509.641	110,218.579	200,276.483		
EP	0+656.330	110,185.807	200,419.465		

POINT	STATION	COORDINATES		A	R
		EAST	NORTH		
RAMP 6					
BP	0+365.448	110,322.455	200,219.193		R=203
PT	0+376.240	110,313.451	200,213.246		
TS	0+399.215	110,293.951	200,201.099	A=50	
SC	0+449.215	110,256.889	200,168.367		R=50
CS	0+451.107	110,255.990	200,166.701	A=50	
SC	0+496.107	110,248.873	200,122.752		R=500
EP	0+574.195	110,256.449	200,045.113		
A1 BYPASS					
PBC	0-061.154	109,527.123	200,298.381		R=450
PCC	0+040.508	109,628.300	200,305.763		R=130
PRC	0+069.011	109,655.514	200,314.045		R=130
PCC	0+115.197	109,700.274	200,324.403		R=1000
PCC	0+218.760	109,803.791	200,324.196		R=600
PRC	0+408.757	109,988.755	200,284.363		R=340
PT	0+834.432	110,374.230	200,385.071		
PC	1+328.080	110,688.173	200,766.028		R=500
PRC	1+699.722	110,801.585	201,111.009		R=400
PT	1+888.202	110,835.307	201,294.681		
PC	1+968.106	110,867.682	201,367.732		R=200
PT	2+011.756	110,880.891	201,409.244		
PC	2+045.795	110,887.617	201,442.612		R=120
PT	2+112.019	110,917.513	201,500.764		
PAT	2+115.893	110,920.156	201,503.597		

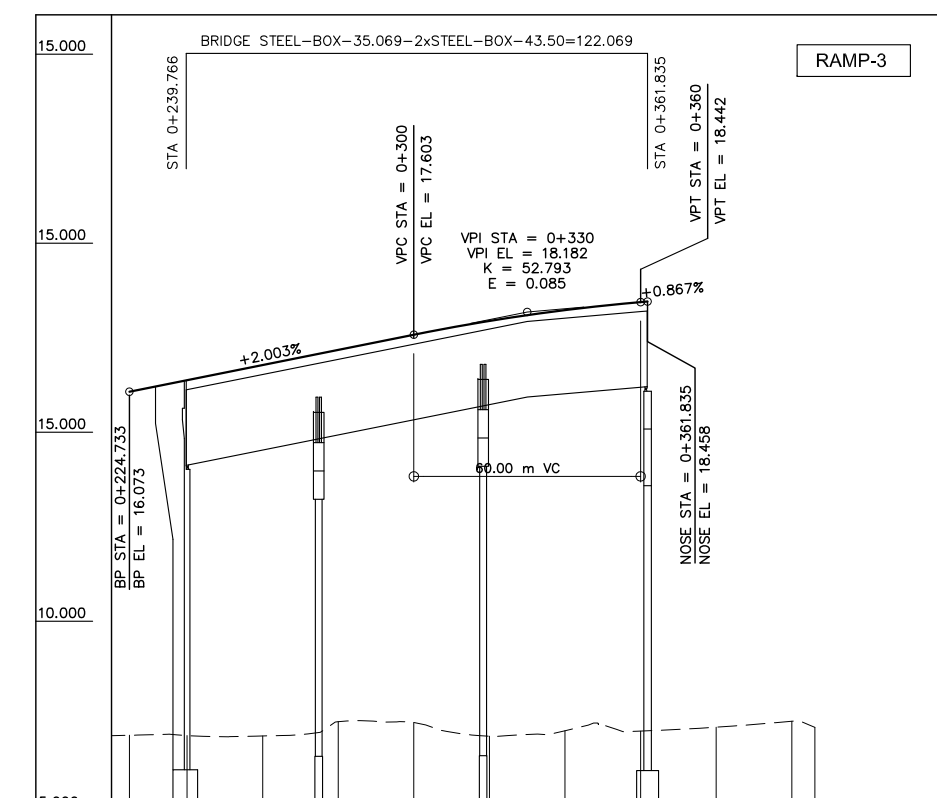




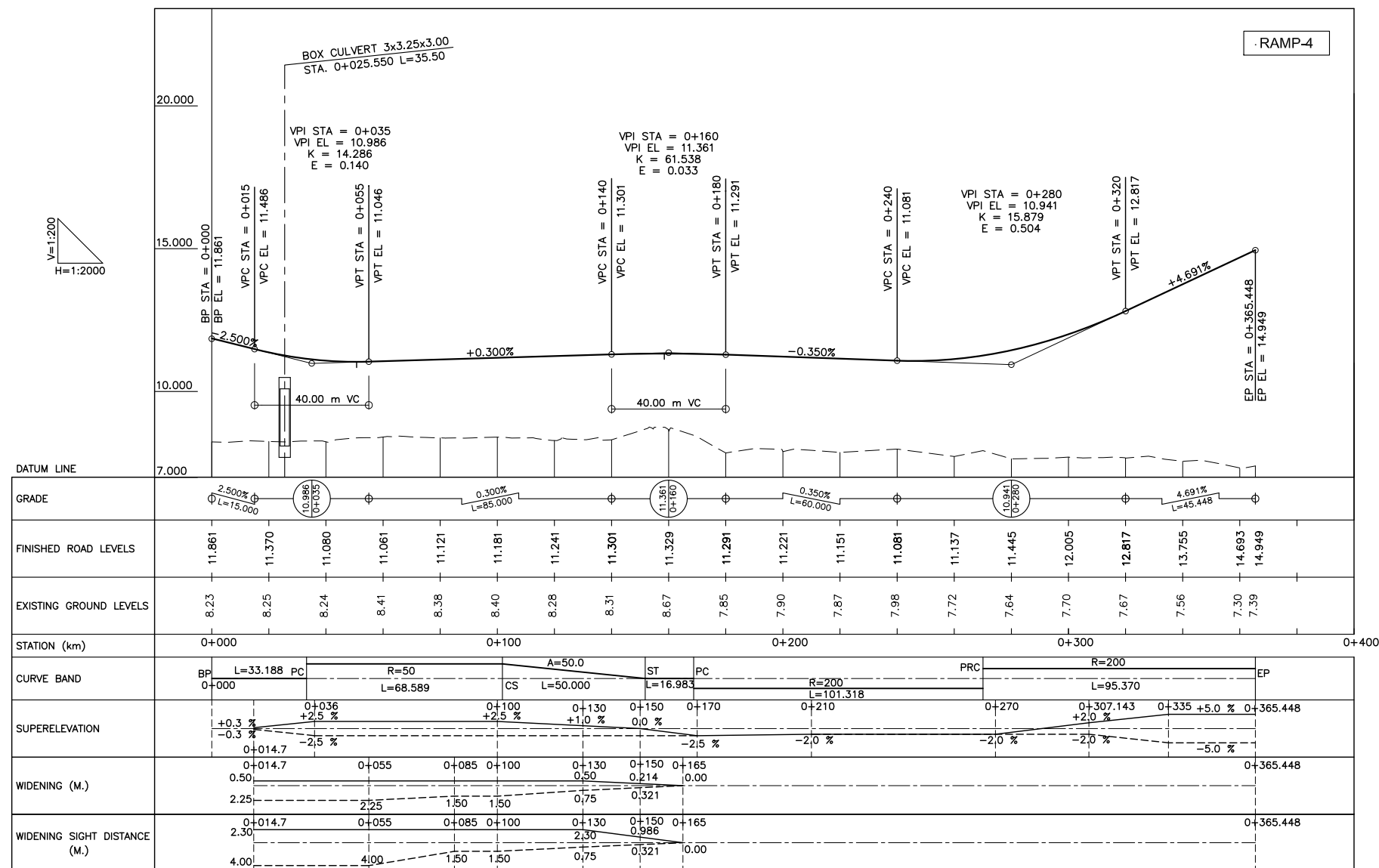
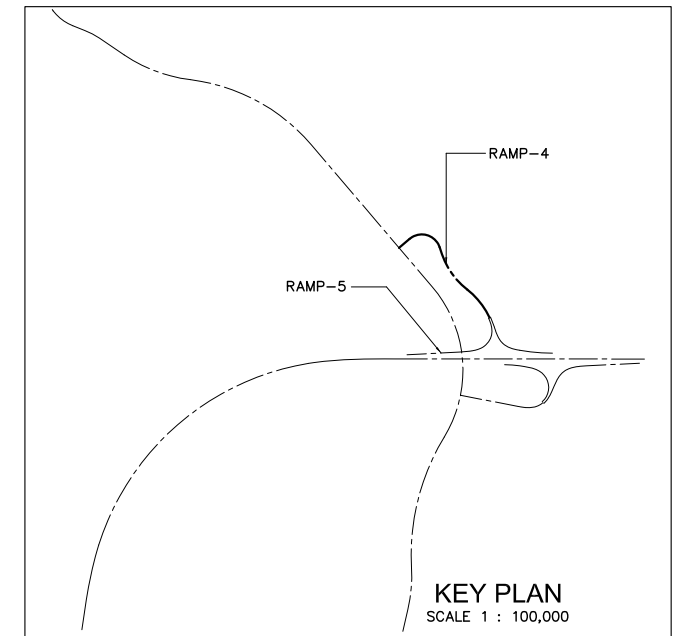


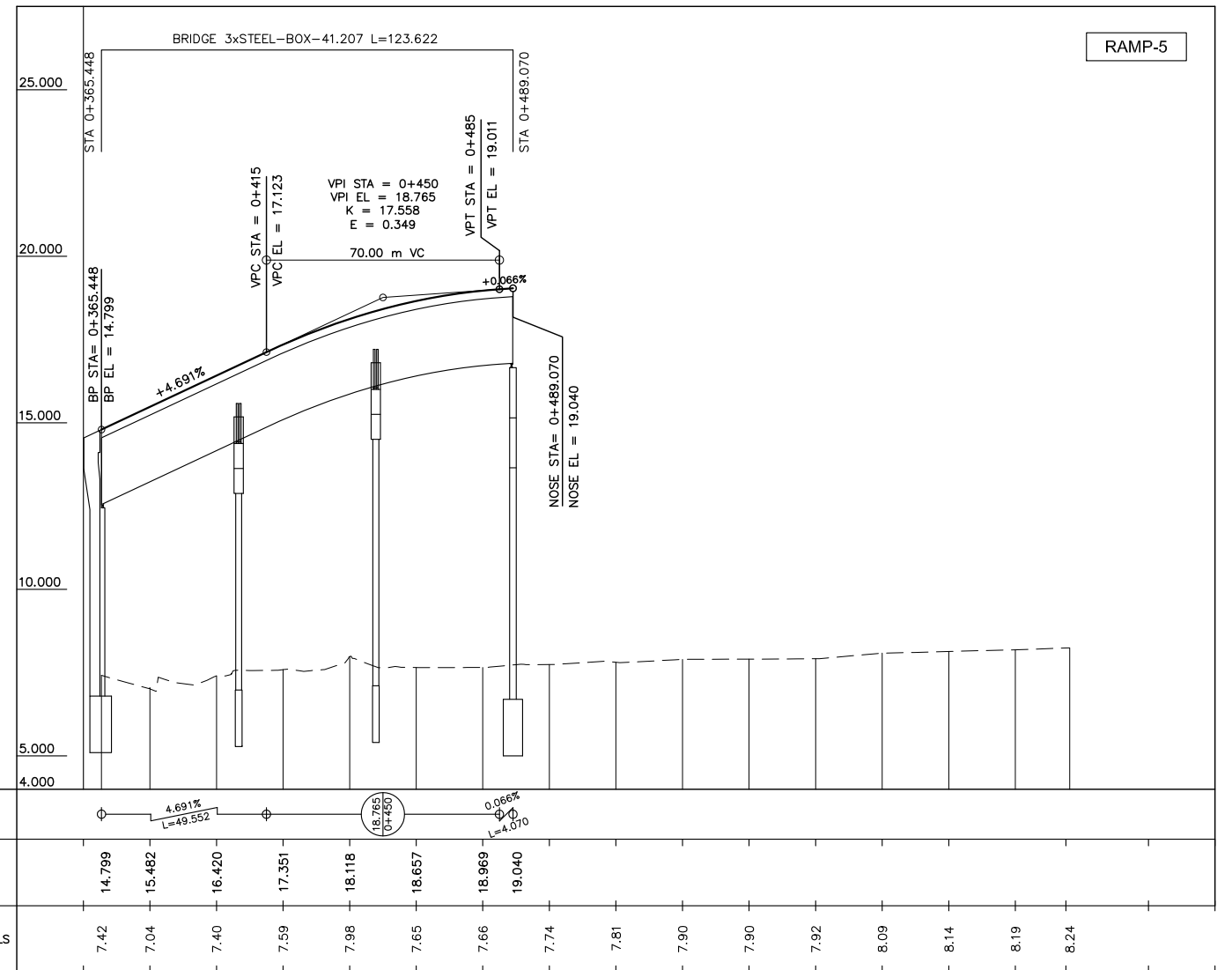
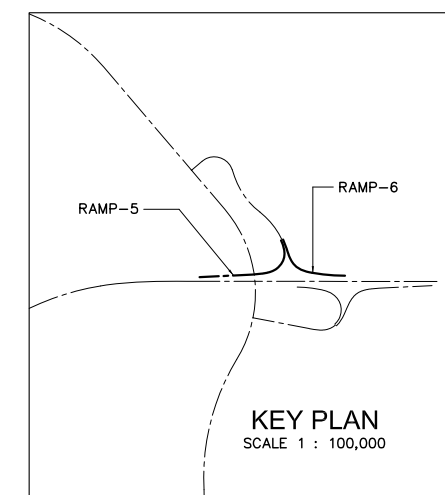


GRADE																		
FINISHED ROAD LEVELS	16.433	16.738	17.087	17.353	17.537	17.639	17.659	17.597										
EXISTING GROUND LEVELS	6.94	7.00	7.10	8.23	11.00	11.25	11.98	13.81	16.66	19.16	21.56	23.56	24.32	25.34	25.33	24.33	23.52	
STATION (km)	0+220				0+300				0+400							0+500		
CURVE BAND	BP R=56 L=0.39	CS A=52.915 L=50.000	SS	A=50 L=50.000	SC R=50 L=5.408	CS A=50 L=41.667	SC R=300 L=9.569	PT	L=147.262									EP
SUPERELEVATION	+6.0 % -6.0 %	0.0 %	0.0 %	+6.0 % -6.0 %	+6.0 % -6.0 %	+2.50 % -2.50 %												
WIDENING (M.)	0.50 0.50	0.00	0.00	0.50 0.50	0.50 0.50	0.00												
WIDENING SIGHT DISTANCE (M.)	1.00 1.00	0.00	0.00	0.35 0.35	0.35 0.35	0.00												

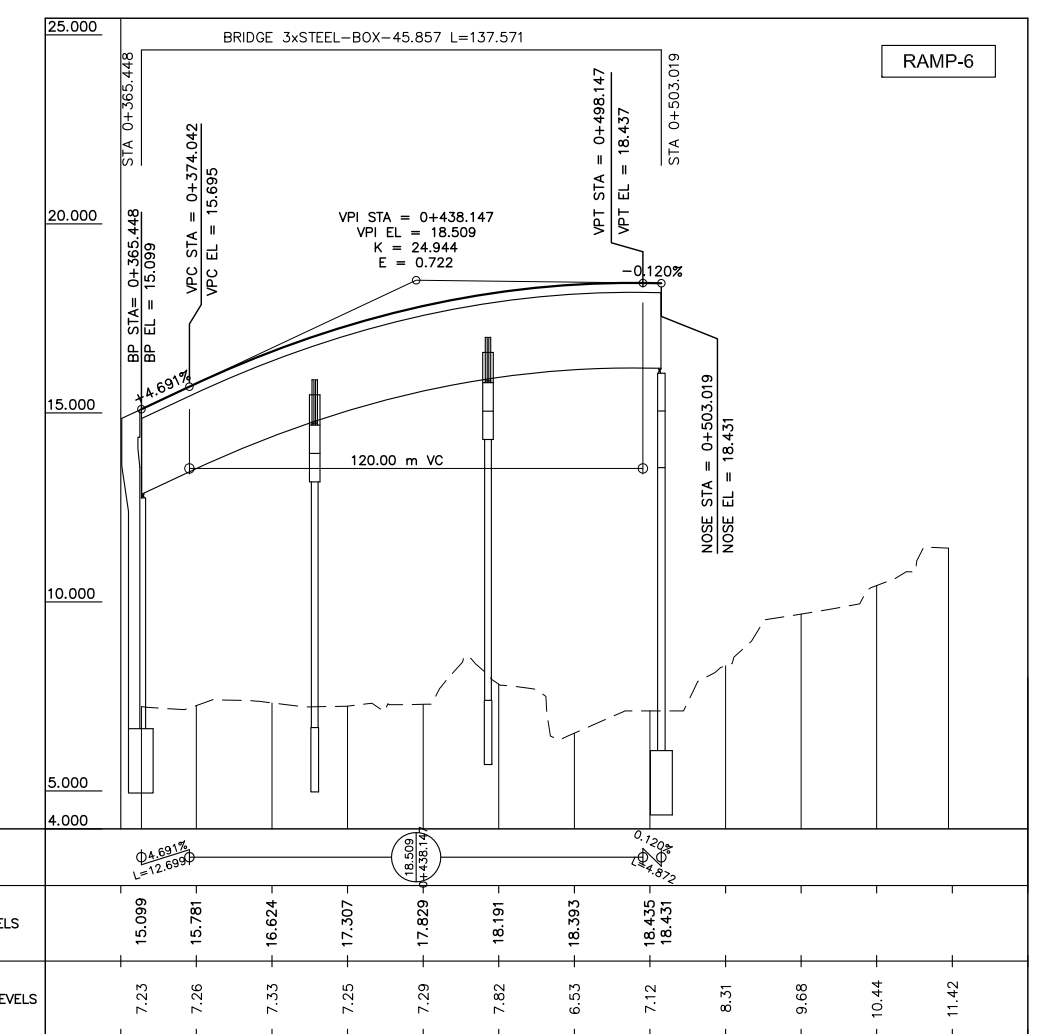


GRADE												
FINISHED ROAD LEVELS	16.073	16.379	16.780	17.180	17.581	17.944	18.231	18.442				
EXISTING GROUND LEVELS	6.98	7.02	6.95	7.06	7.34	6.99	7.00	7.08	7.17	7.32	7.20	
STATION (km)	0+220				0+300				0+400			
CURVE BAND	BP R=50 L=84.806	CC R=60 L=8.884	CS A=54.772 L=40.000	SC R=300 L=52.423	PT							EP
SUPERELEVATION	+6.0 % -6.0 %	+6.0 % -6.0 %	0.0 %	+2.50 % -2.50 %								
WIDENING (M.)	0.50 0.50	0.00	0.50 0.50	0.00								
WIDENING SIGHT DISTANCE (M.)	0.35 0.35	0.00	0.35 0.35	0.00								





GRADE											
FINISHED ROAD LEVELS	14.799	15.482	16.420	17.351	18.118	18.657	18.969	19.040			
EXISTING GROUND LEVELS	7.42	7.04	7.40	7.59	7.98	7.65	7.66	7.74	7.81	7.90	8.24
STATION (km)	0+360	0+400			0+500			0+600		0+700	
CURVE BAND	BP R=197 L=1.307	CS A=50 L=37.310	SC R=50 L=46.932	CS A=50 L=41.667	SC R=300 L=16.977	L=146.689					EP
SUPERELEVATION	+5.0 % -5.0 %	+6.0 % -6.0 %	+2.5 % -2.5 %								
WIDENING (M.)	0.00	0.50	0.50	0.00							
WIDENING SIGHT DISTANCE (M.)	0.00	0.35	0.35	0.00							

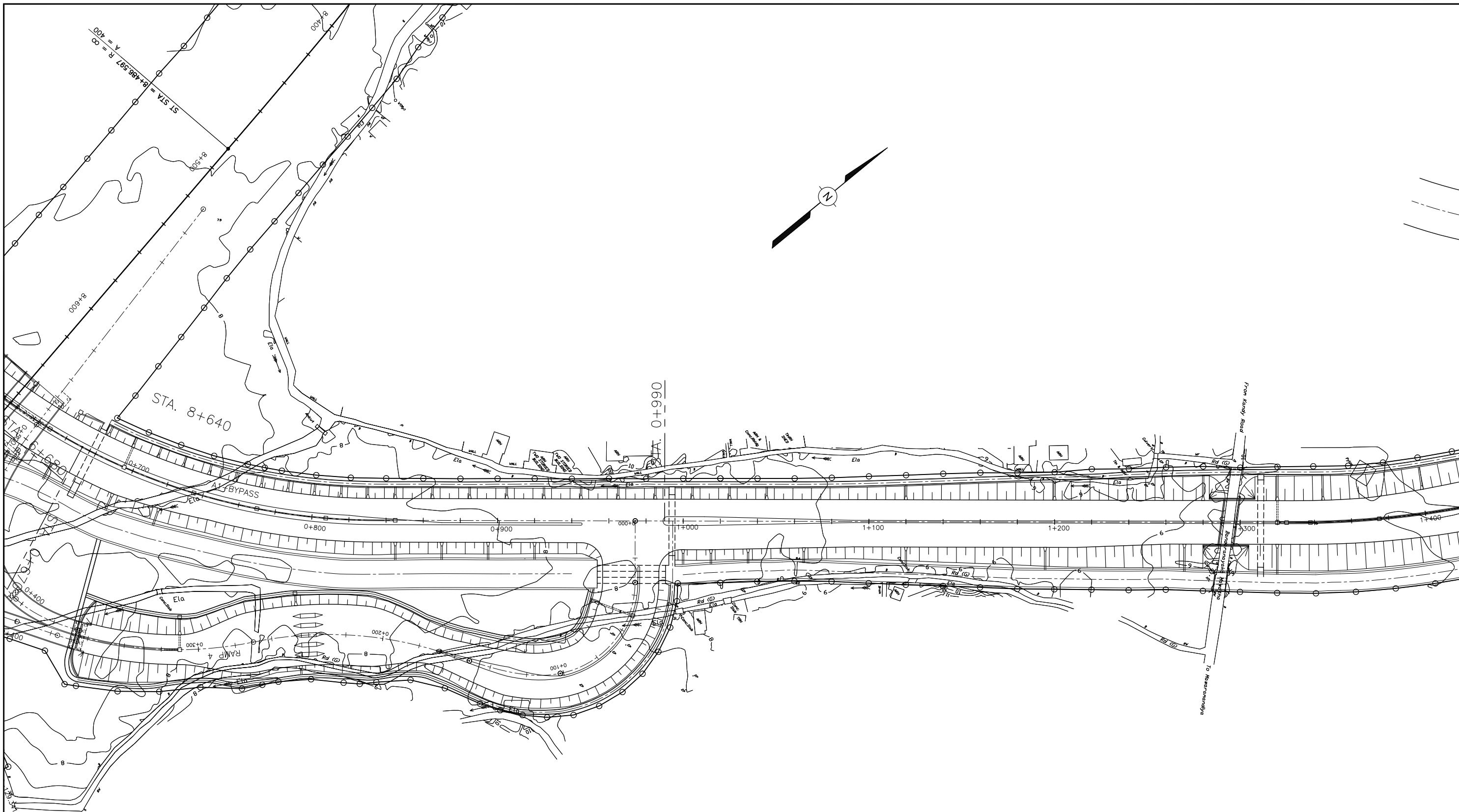


GRADE											
FINISHED ROAD LEVELS	15.099	15.781	16.624	17.307	17.829	18.191	18.393	18.435	18.431		
EXISTING GROUND LEVELS	7.23	7.26	7.33	7.25	7.29	7.82	6.53	7.12	8.31	9.68	11.42
STATION (km)	0+360	0+400			0+500			0+600			
CURVE BAND	BP R=203 L=10.792	PT L=22.975	TS A=50 L=50.000	SC R=50 L=1.893	CS A=50 L=45.000	SC R=500 L=78.087	EP				
SUPERELEVATION	+5.0 % -5.0 %	+6.0 % -6.0 %	+2.5 % -2.5 %								
WIDENING (M.)	0.00	0.00	0.50	0.50	0.00						
WIDENING SIGHT DISTANCE (M.)	0.00	0.00	0.35	0.35	0.00						



No	REVISION	DATE

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	F-07



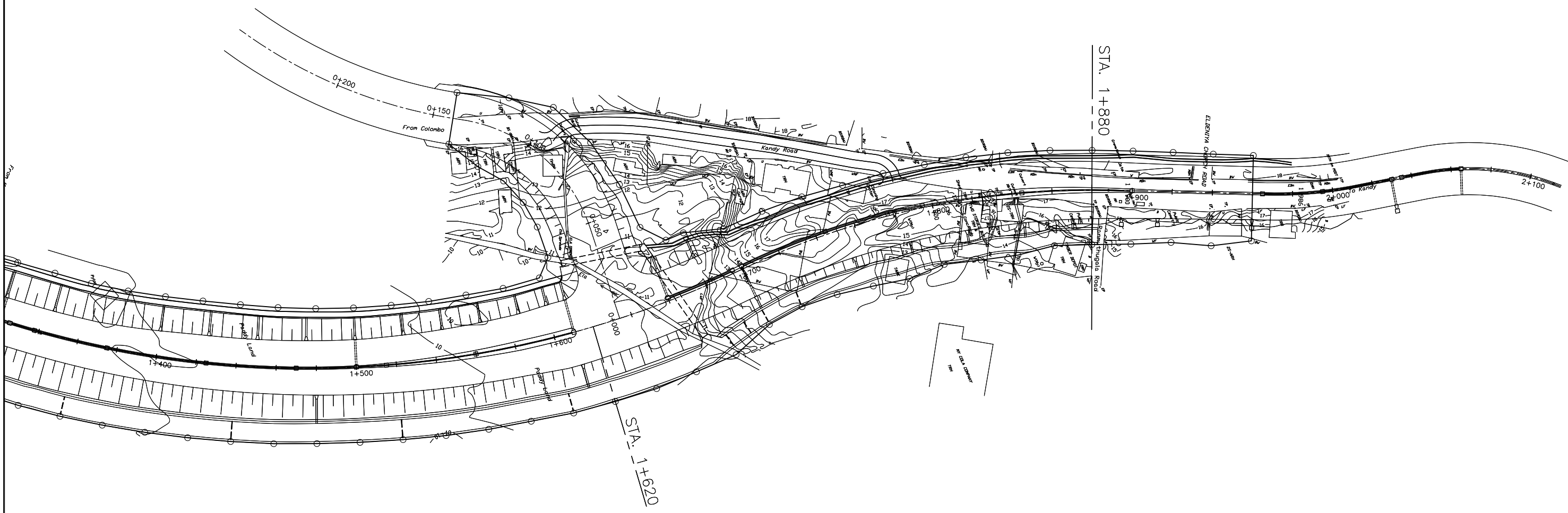
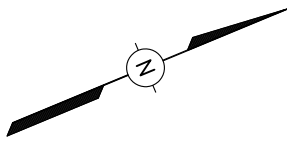
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
 MINISTRY OF HIGHWAYS & ROAD DEVELOPMENT
Road Development Authority

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS COMPANY LIMITED
 in association with
PACIFIC CONSULTANTS INTERNATIONAL

No	REVISION	DATE

COLOMBO OUTER CIRCULAR HIGHWAY PROJECT
 (NORTHERN SECTION 1)
A-1 INTERCHANGE
 A1 BYPASS PLAN-2

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	F-08



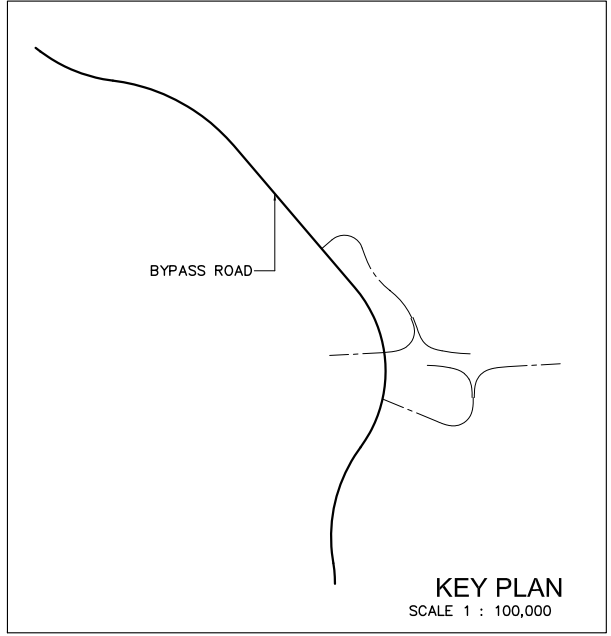
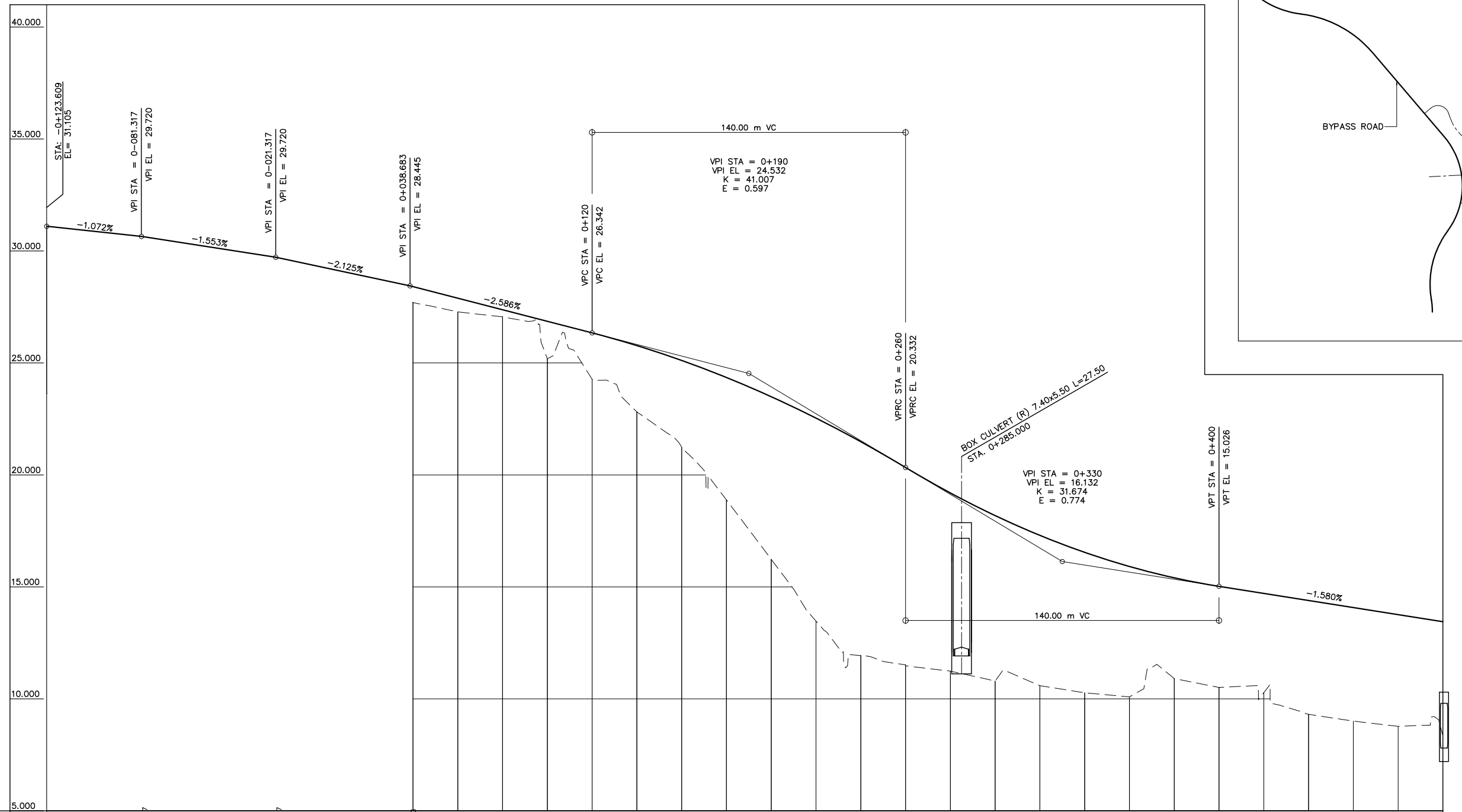
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
 MINISTRY OF HIGHWAYS & ROAD DEVELOPMENT
Road Development Authority

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS COMPANY LIMITED
 in association with
PACIFIC CONSULTANTS INTERNATIONAL

No	REVISION	DATE

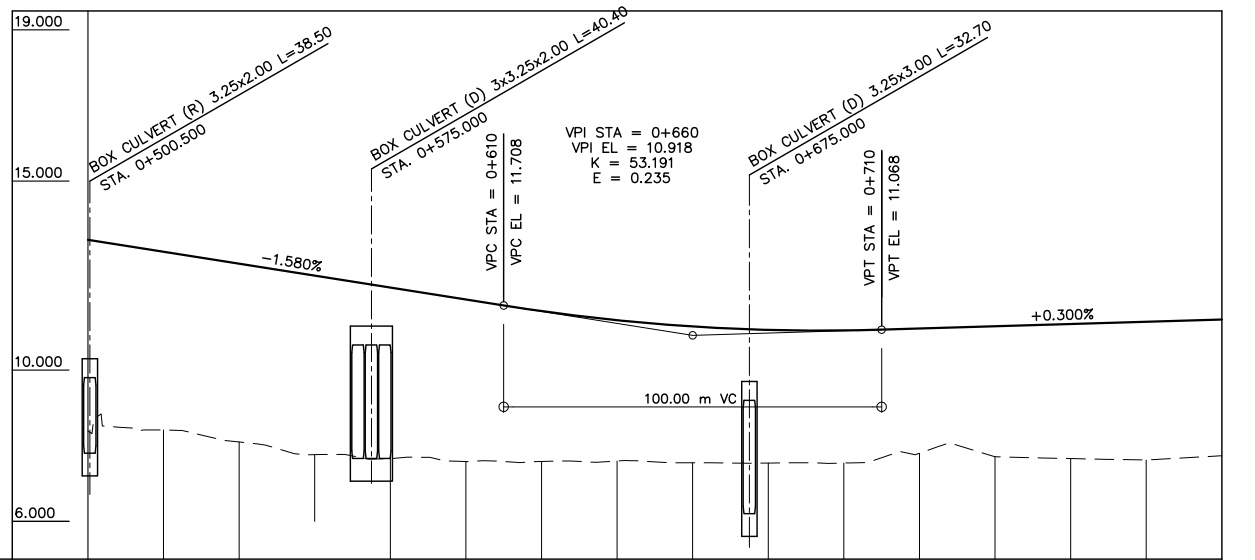
COLOMBO OUTER CIRCULAR HIGHWAY PROJECT
 (NORTHERN SECTION 1)
A-1 INTERCHANGE
 A1 BYPASS PLAN-3

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	F-09

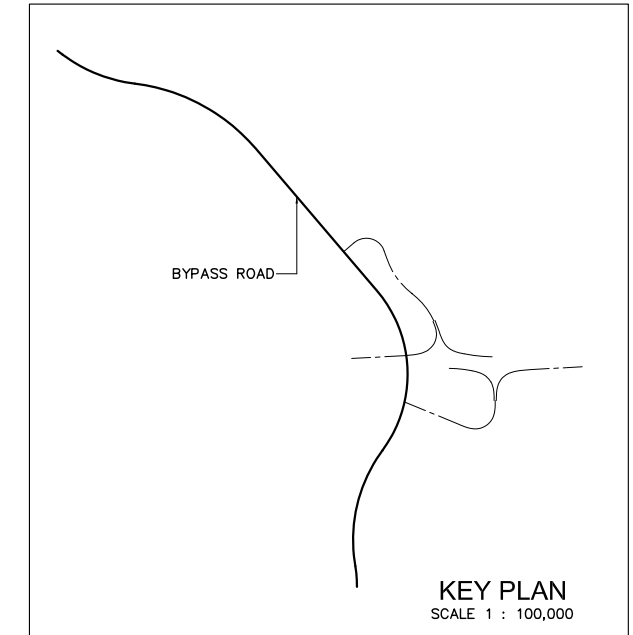


GRADE																																	
FINISHED ROAD LEVELS			30.321	30.010	29.692	29.267	28.842	28.411	27.894	27.377	26.859	26.342	25.776	25.113	24.352	23.493	22.537	21.483	20.332	19.195	18.185	17.300	16.542	15.911	15.405	15.026	14.710	14.394	14.078	13.762	13.446		
EXISTING GROUND LEVELS								27.70	27.28	27.06	25.19	24.27	22.81	21.24	18.88	16.23	13.47	11.93	11.48	11.24	10.80	10.59	40.27	40.09	10.91	10.51	10.27	9.31	9.01	8.77	8.38		
STATION (km)	-0+120			0+000						0+100					0+200							0+300					0+400				0+500		
CURVE BAND																																	
SUPERELEVATION																																	

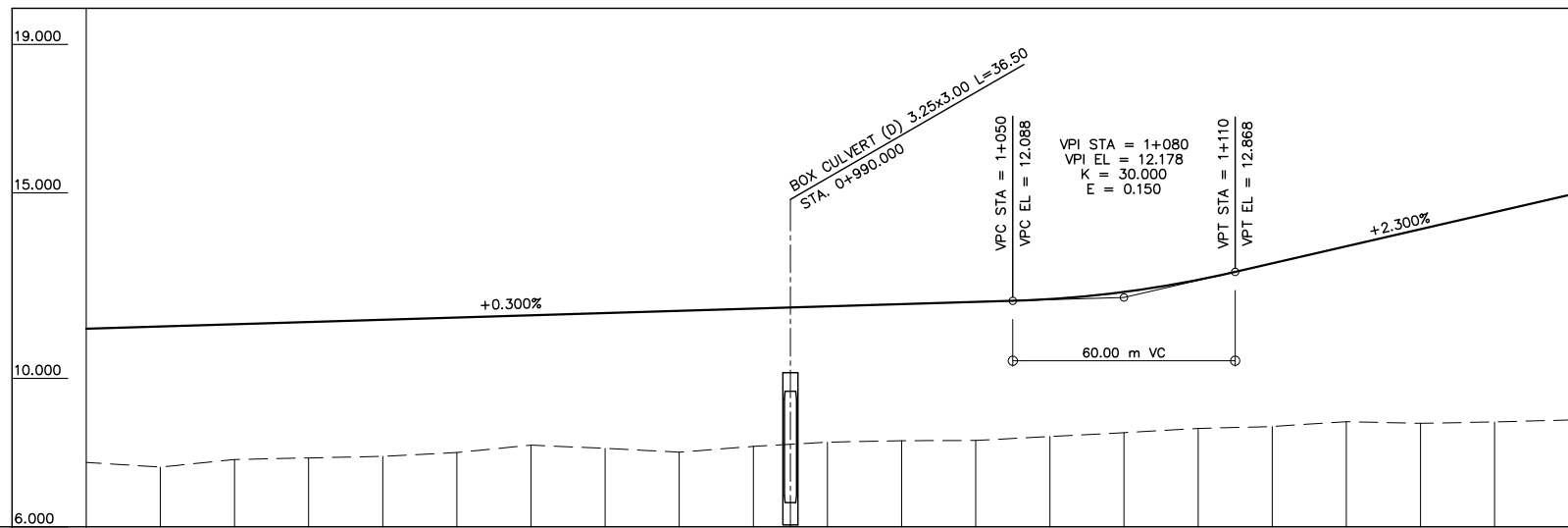
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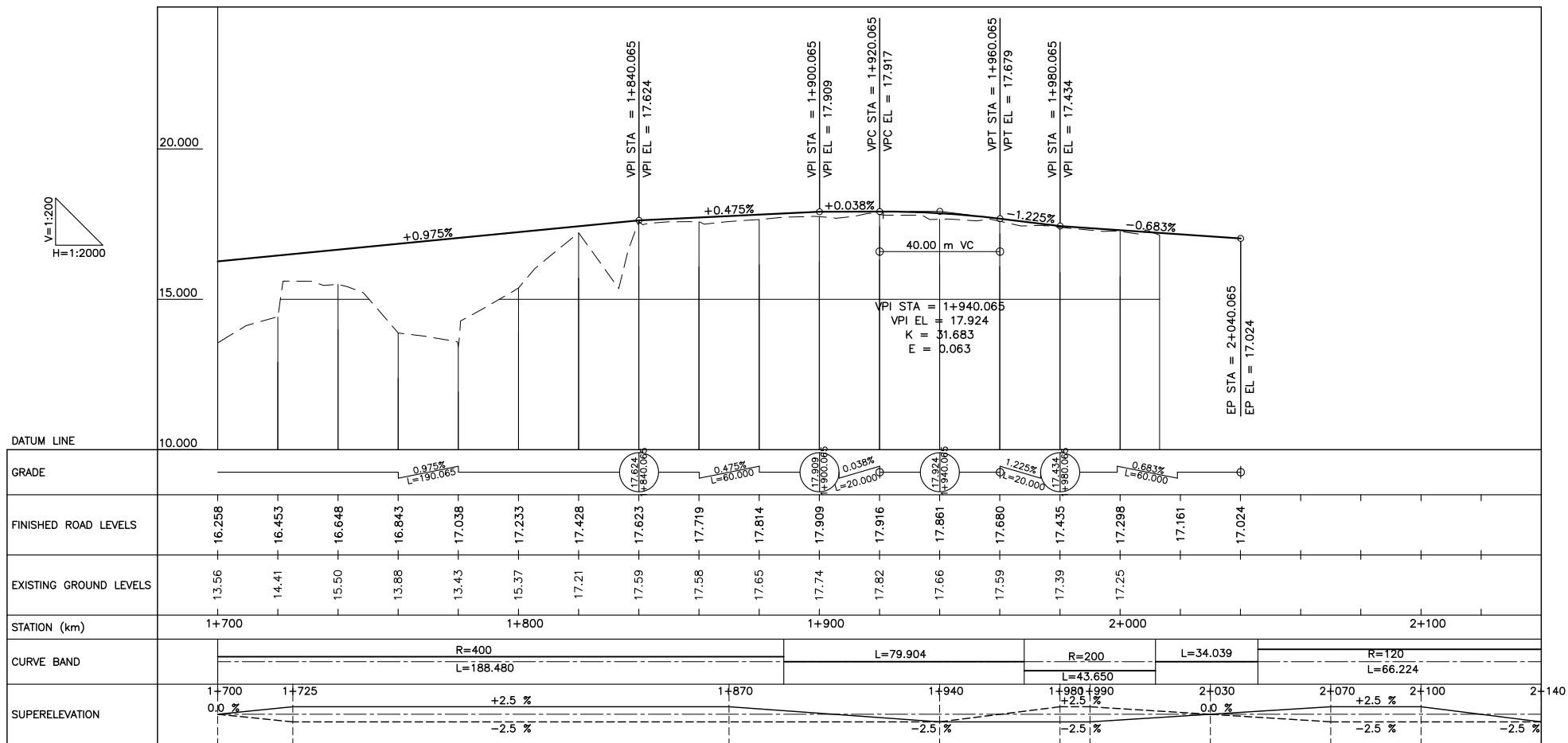
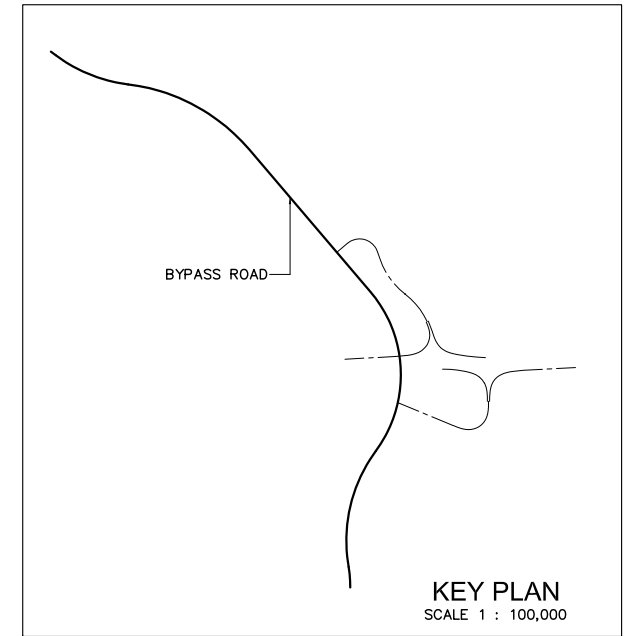
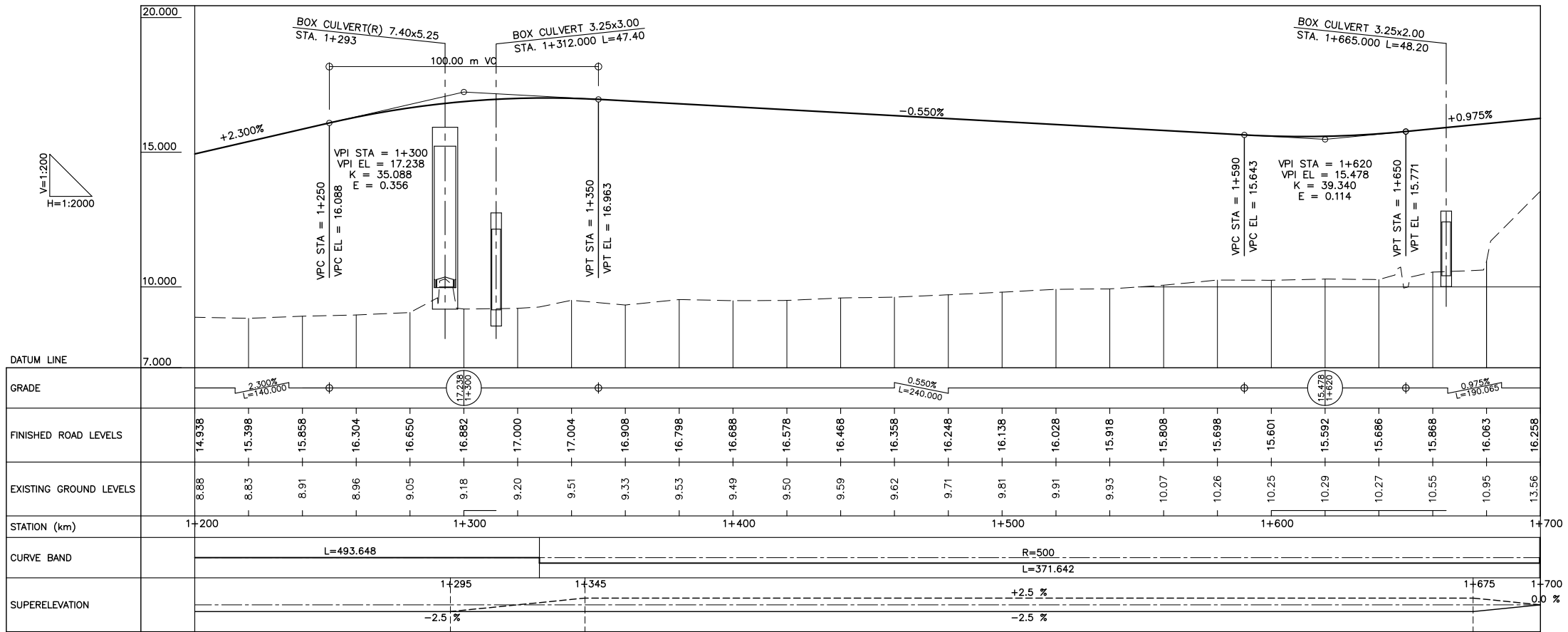
GRADE																
FINISHED ROAD LEVELS	13.446	13.130	12.814	12.498	12.182	11.866	11.559	11.319	11.153	11.063	11.047	11.098	11.158	11.218	11.278	11.338
EXISTING GROUND LEVELS	8.38	8.41	8.10	7.76	7.66	7.58	7.58	7.59	7.55	7.54	7.54	7.80	7.71	7.66	7.62	7.73
STATION (km)	0+500					0+600					0+700					0+800
CURVE BAND	R=340 L=425.675															
SUPERELEVATION	+2.5 %															+2.5 %
	-2.5 %															-2.5 %

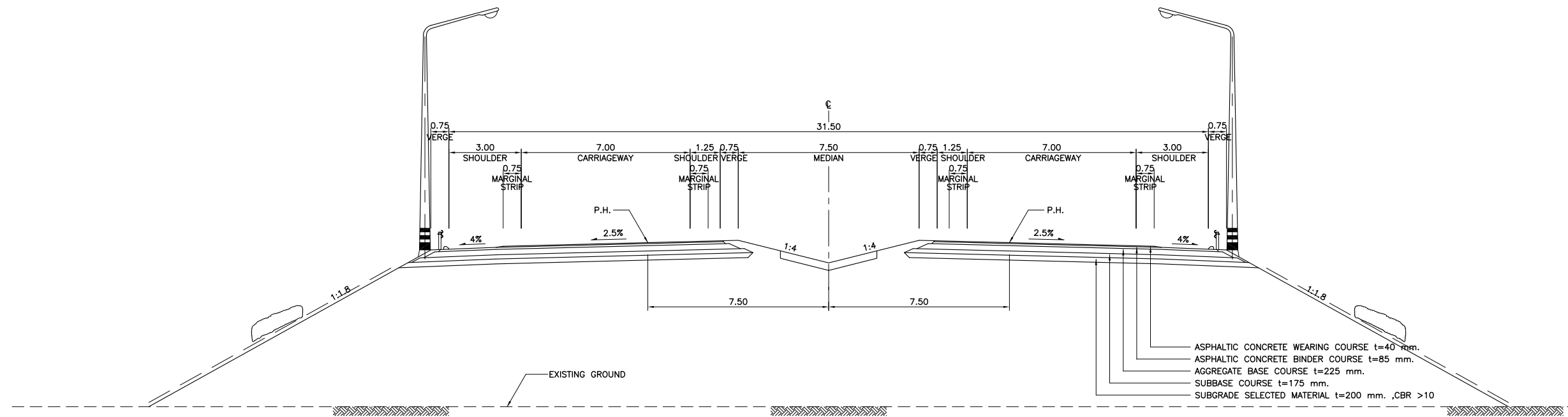


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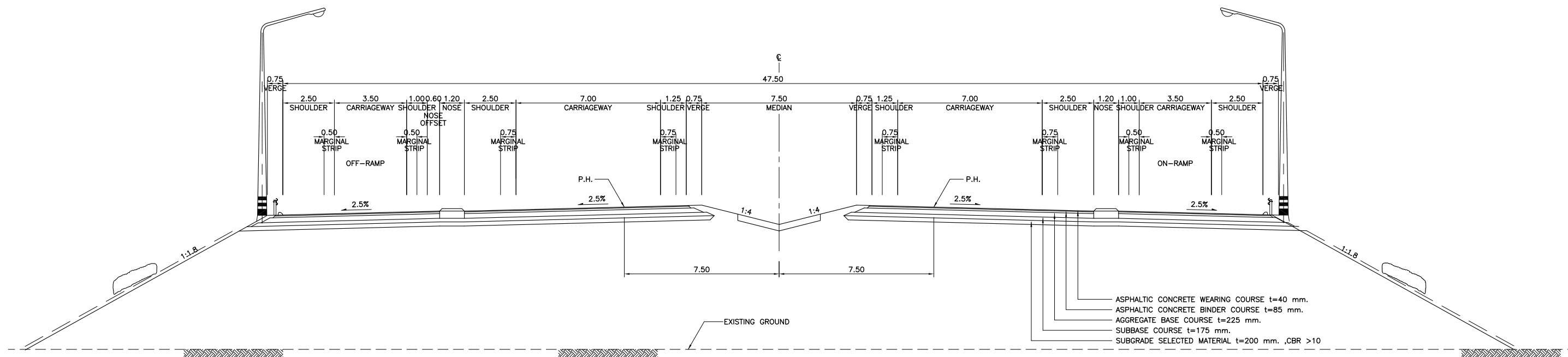


GRADE																						
FINISHED ROAD LEVELS	11.338	11.398	11.458	11.518	11.578	11.638	11.698	11.758	11.818	11.878	11.938	11.998	12.058	12.135	12.328	12.655	13.098	13.558	14.018	14.478	14.938	
EXISTING GROUND LEVELS	7.73	7.61	7.81	7.85	7.90	8.00	8.20	8.11	8.01	8.16	8.28	8.32	8.33	8.43	8.53	8.65	8.70	8.83	8.79	8.82	8.88	
STATION (km)	0+800					0+900					1+000				1+100						1+200	
CURVE BAND	R=340 L=425.675																					
SUPERELEVATION	+2.5 %																					-2.5 %
	-2.5 %																					-2.5 %

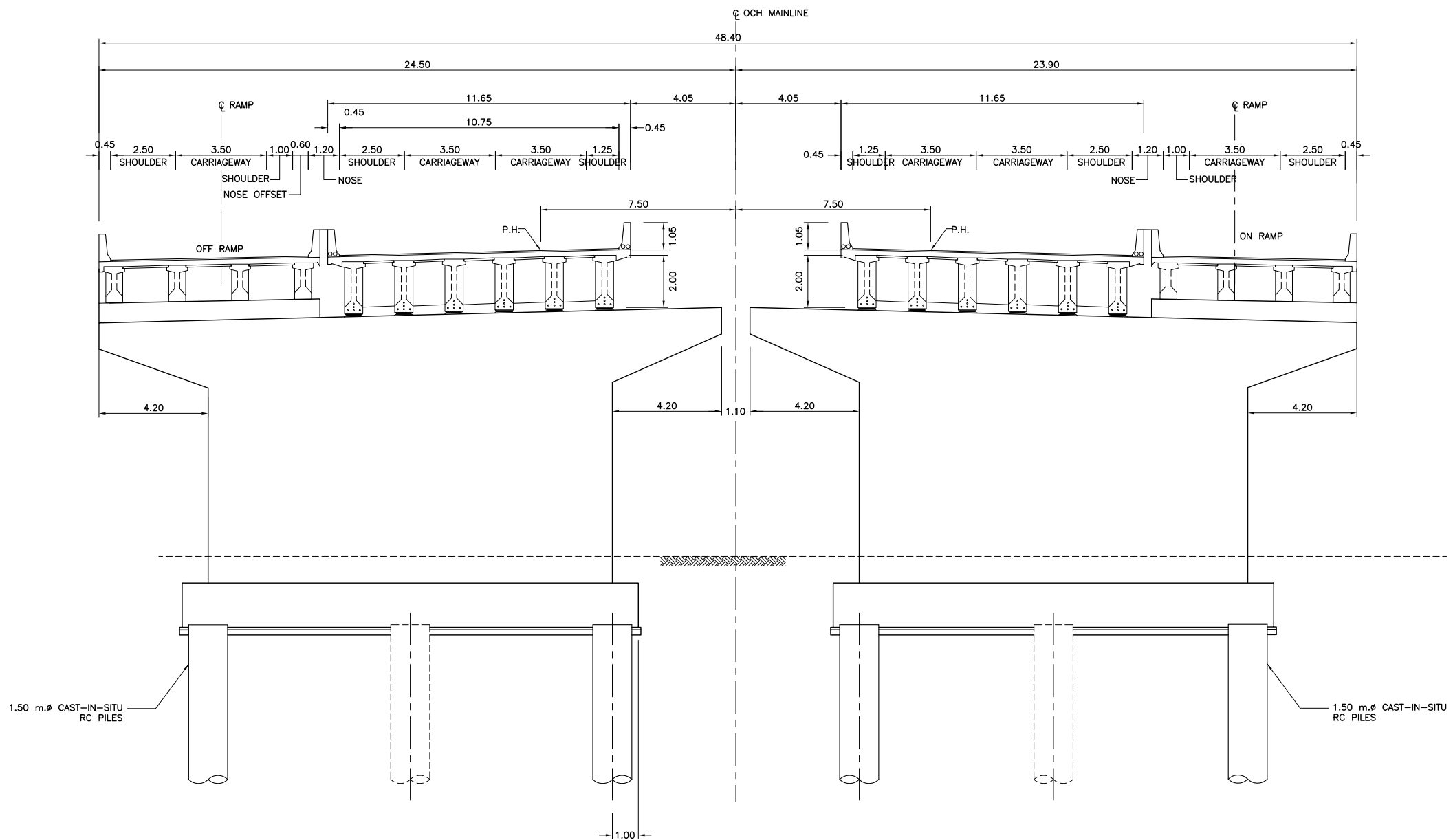




TYPICAL CROSS SECTION FOR OCH MAIN CARRIAGEWAY (NORMAL CROSSFALL)
1:200



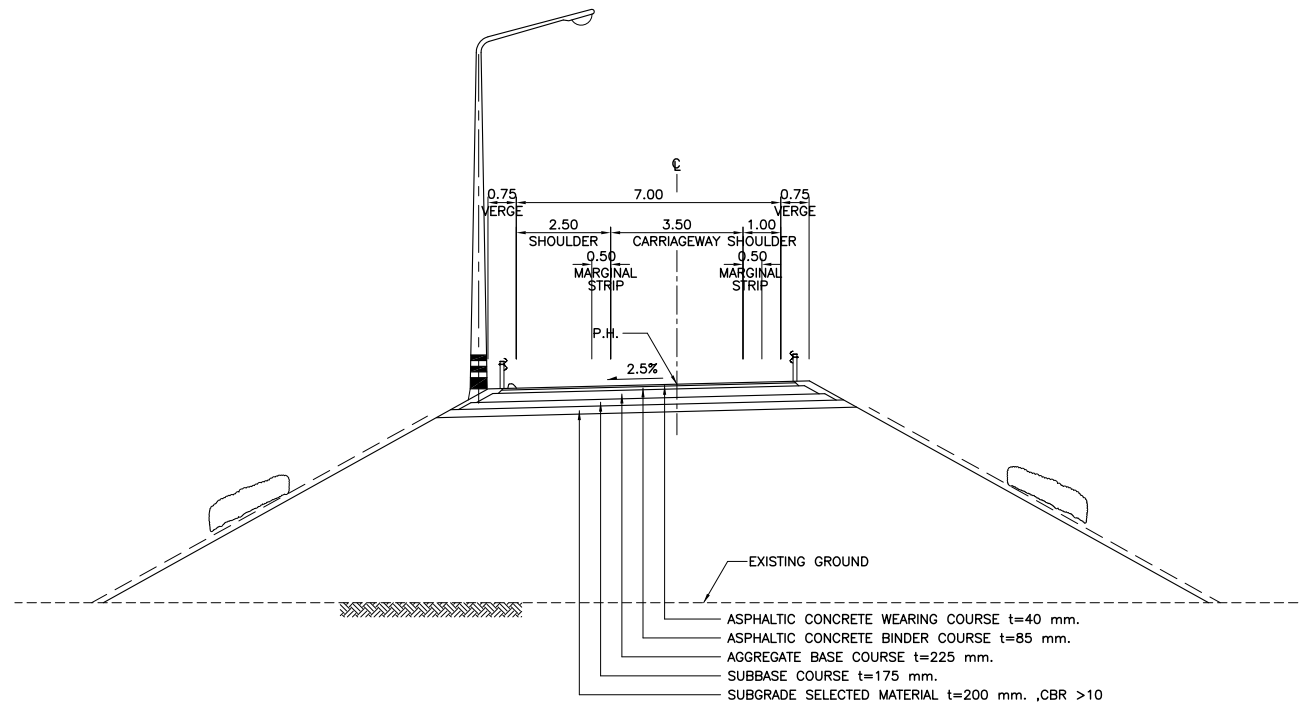
TYPICAL CROSS SECTION FOR OCH MAIN CARRIAGEWAY AT NOSE (NORMAL CROSSFALL)
1:200



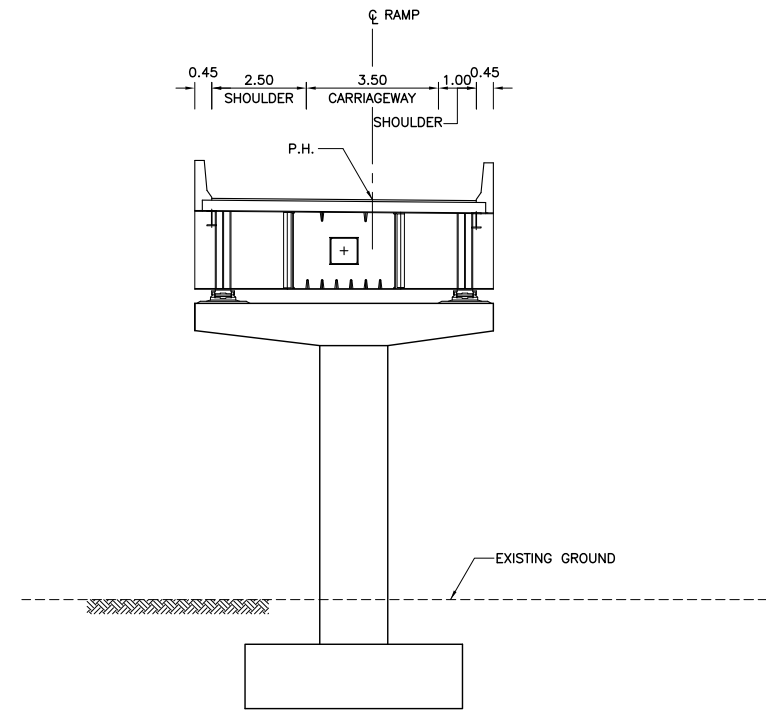
TYPICAL CROSS SECTION FOR OCH MAINLINE AT NOSE ON VIADUCT
SCALE 1:200

No	REVISION	DATE

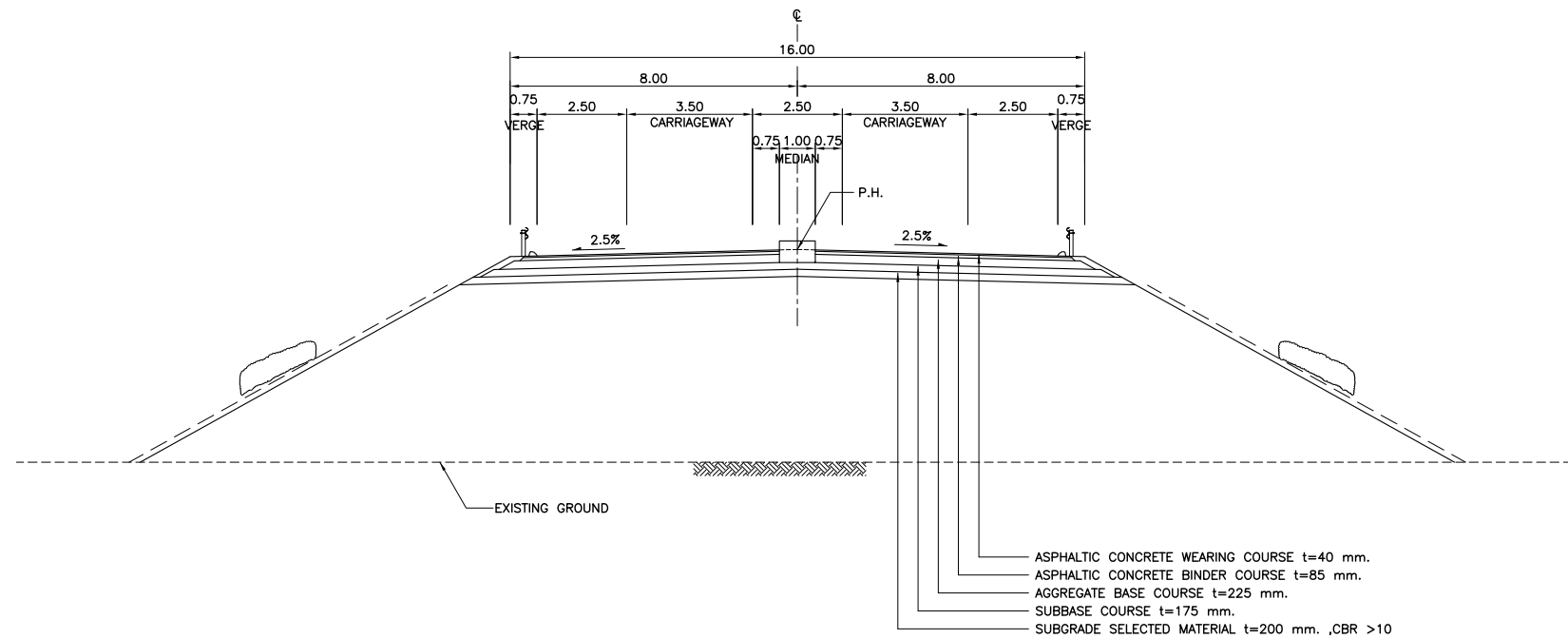
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	F-14



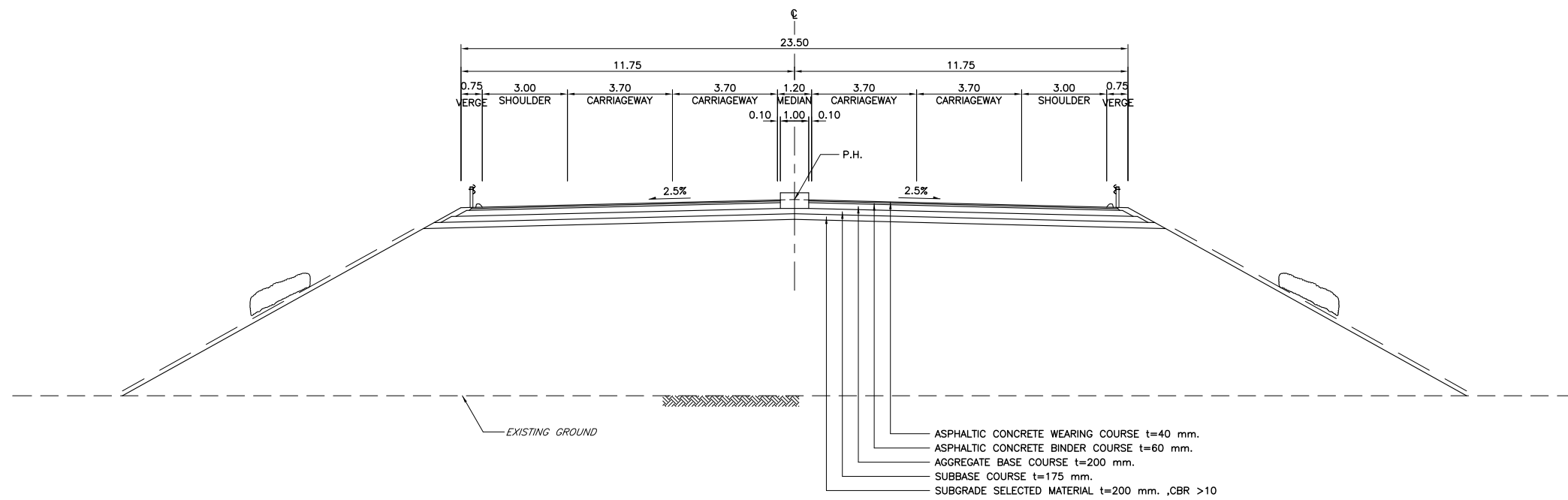
TYPICAL CROSS SECTION FOR RAMP (ONE LANE)
SCALE 1:200



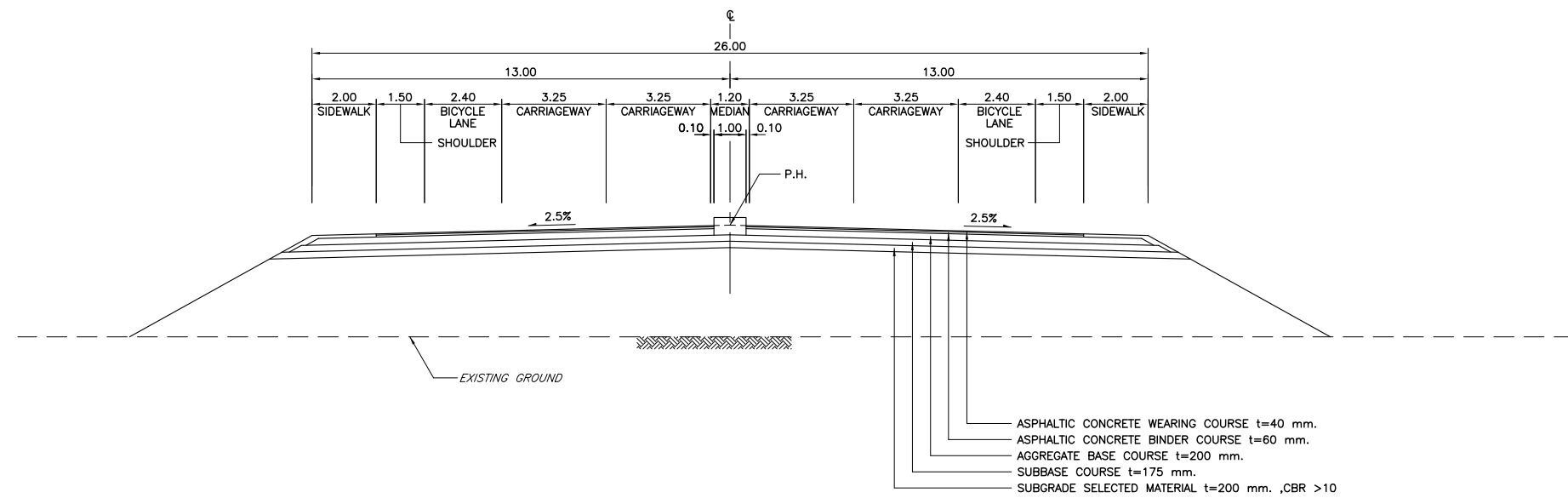
TYPICAL CROSS SECTION FOR RAMP (ONE LANE-VIADUCT)
SCALE 1:200



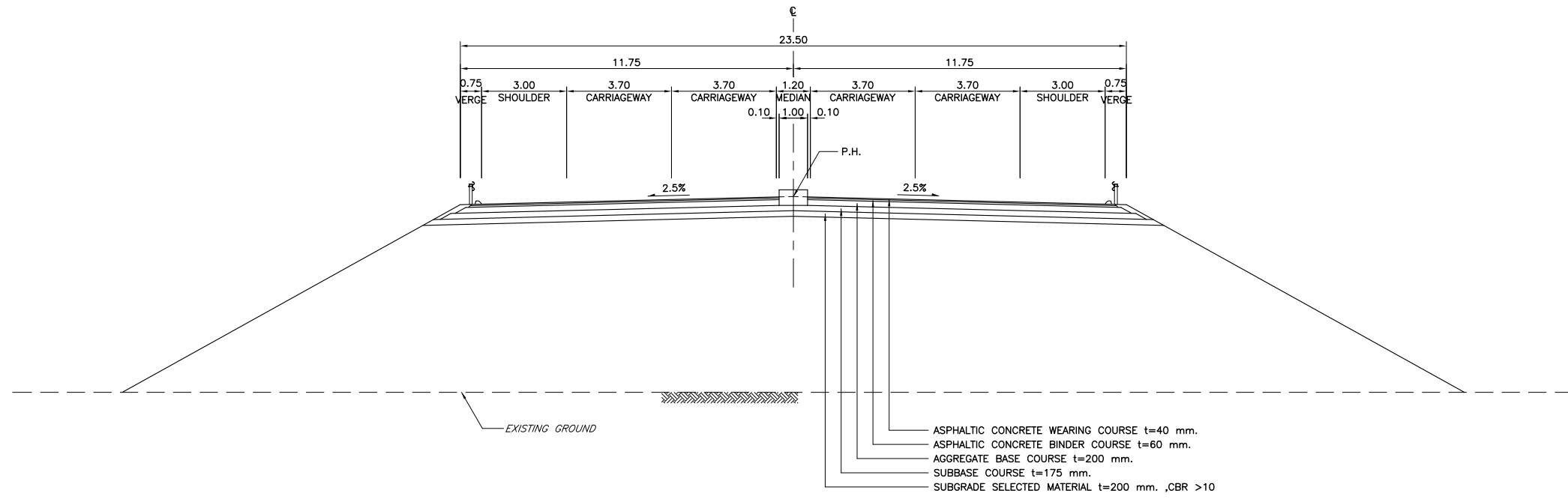
TYPICAL CROSS SECTION FOR RAMP (TWO WAY TWO LANE)
SCALE 1:200



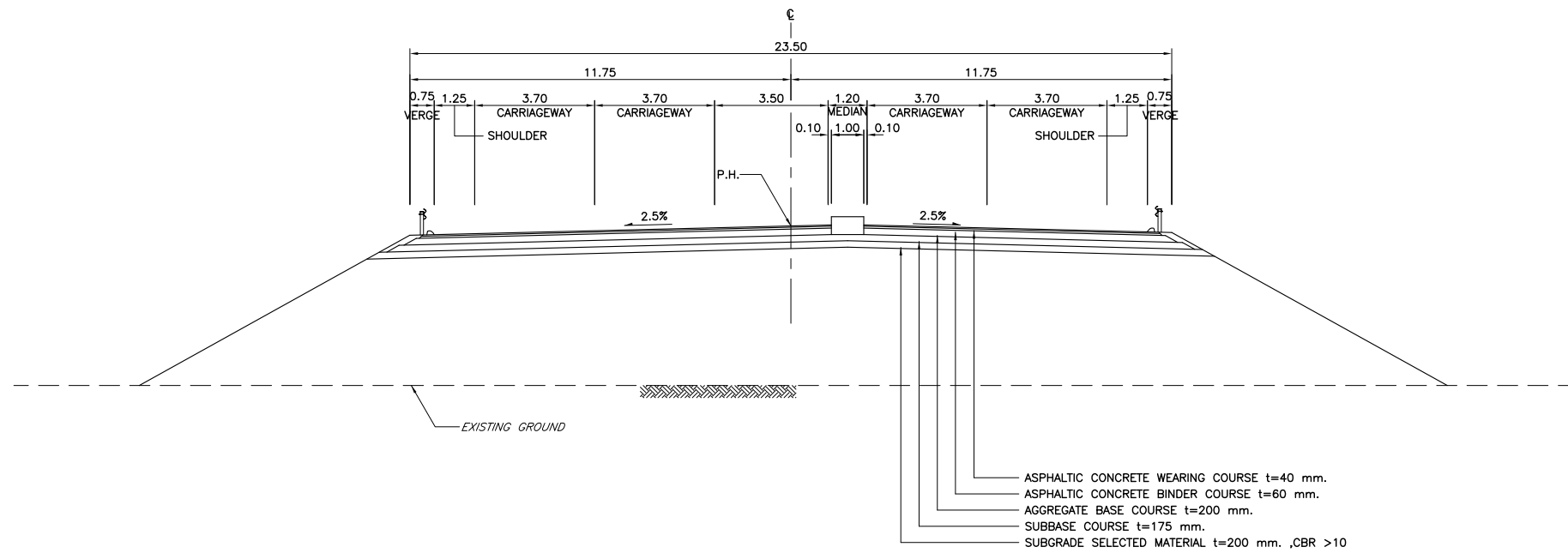
TYPICAL CROSS SECTION FOR A-1 BYPASS
SCALE 1:200



TYPICAL CROSS SECTION FOR EXISTING A-1 ROAD
SCALE 1:200



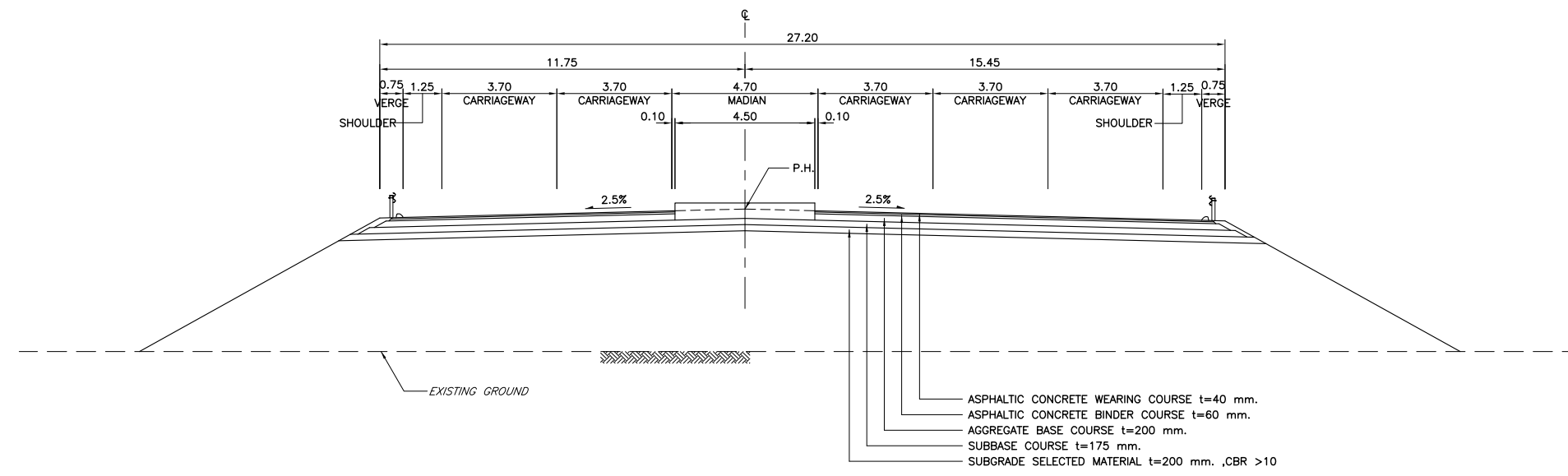
CROSS SECTION
A1 BYPASS STA 0+300
SCALE 1:200



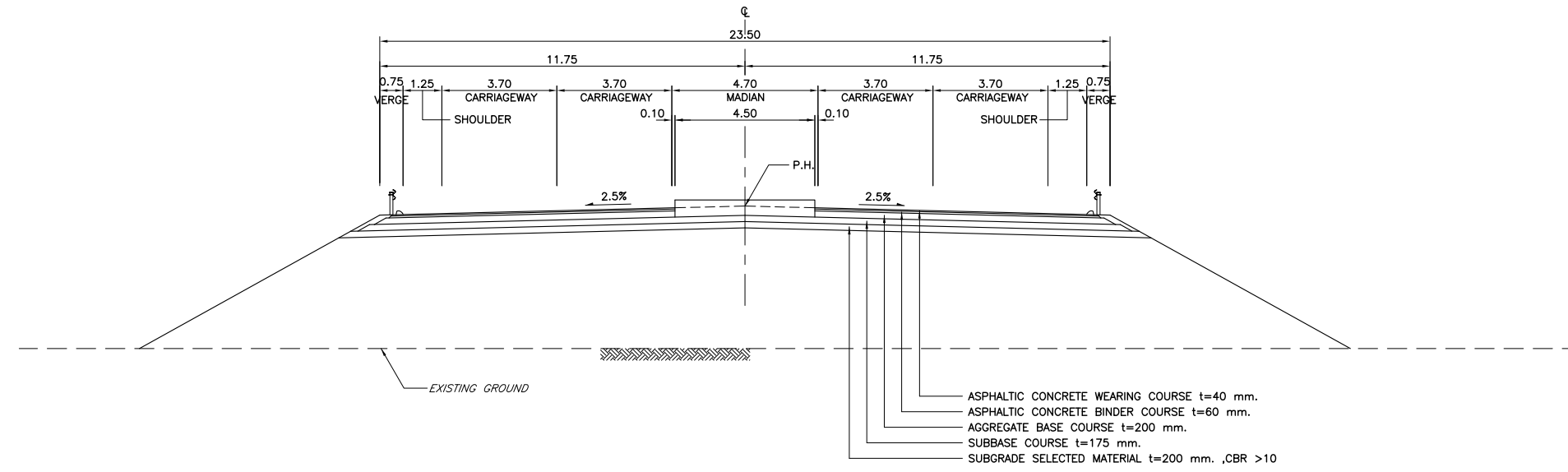
CROSS SECTION
A1 BYPASS STA 0+500
SCALE 1:200

No	REVISION	DATE

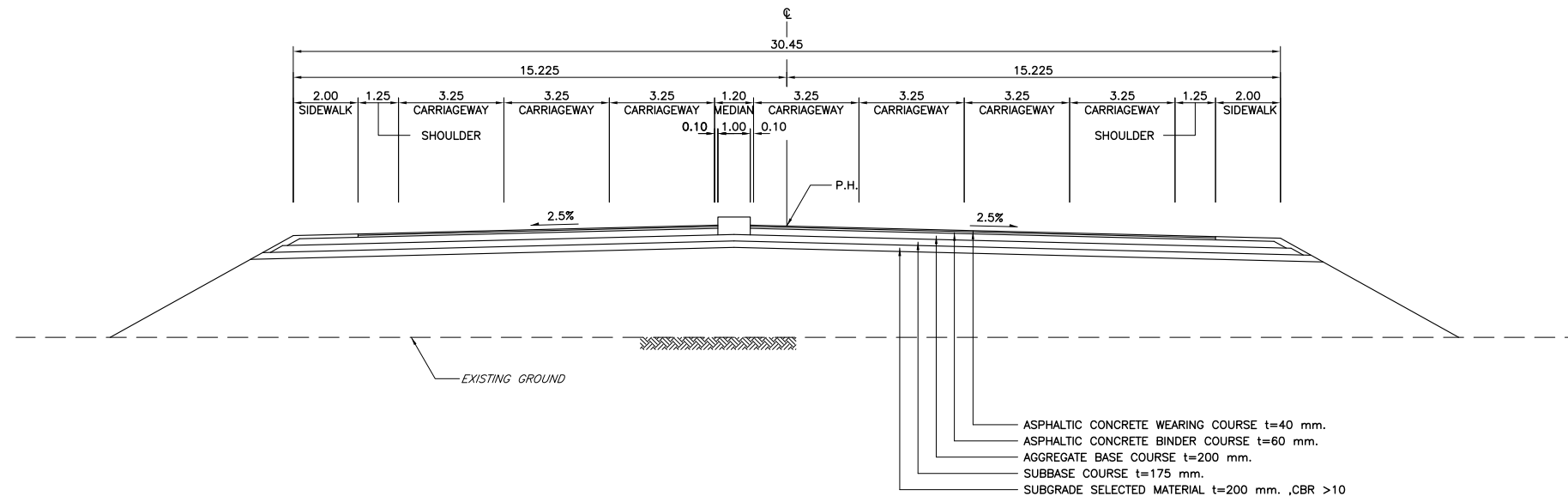
DESIGNED BY:	
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APPROVED BY:	
DWG. NO.	F-17



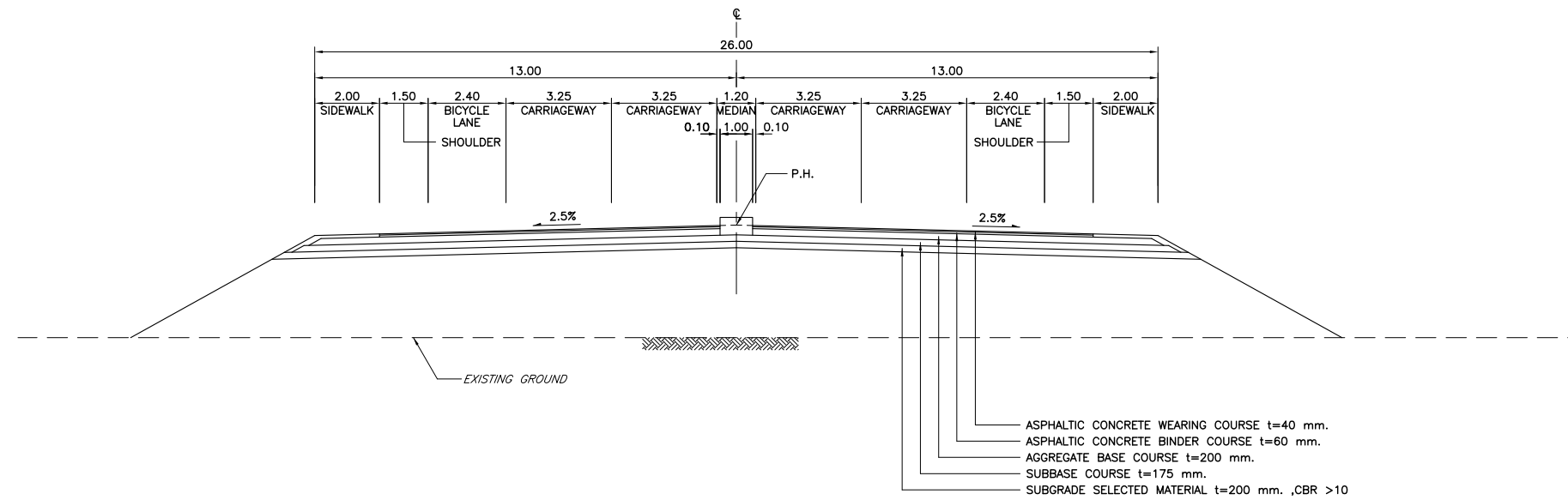
CROSS SECTION
A1 BYPASS STA. 0+600
SCALE 1:200



CROSS SECTION
A1 BYPASS STA. 0+800
SCALE 1:200



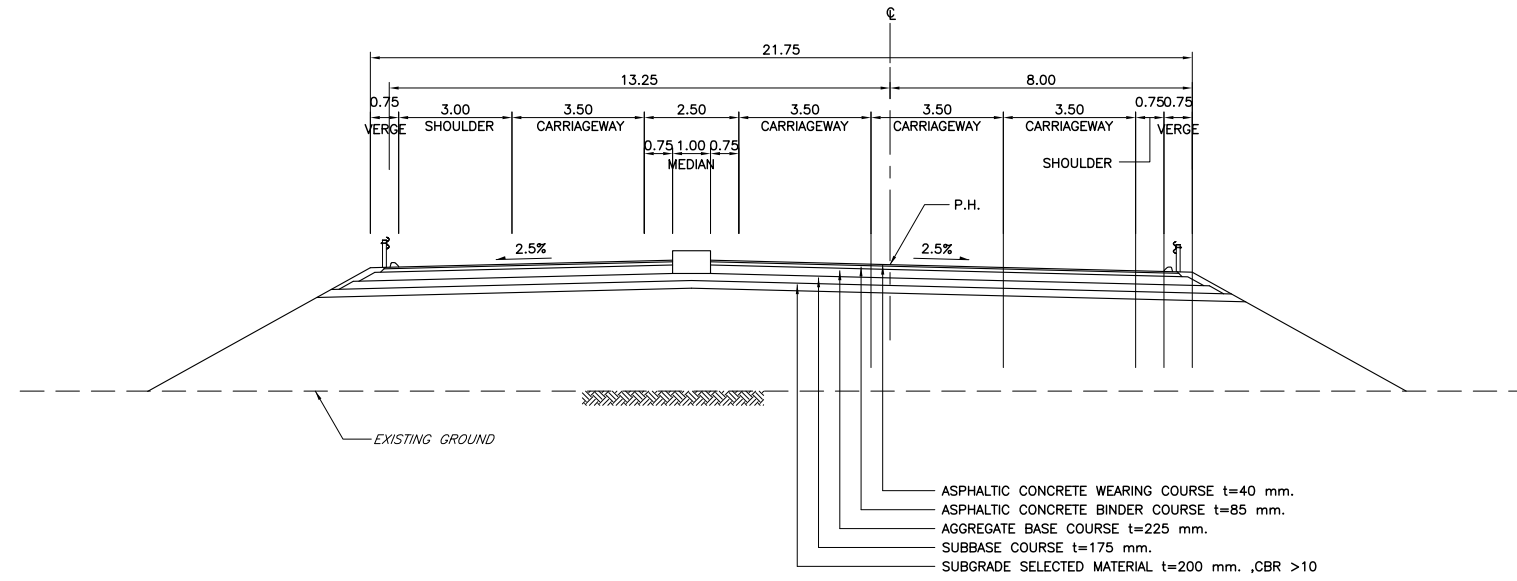
CROSS SECTION
A1 BYPASS STA 1+700
SCALE 1:200



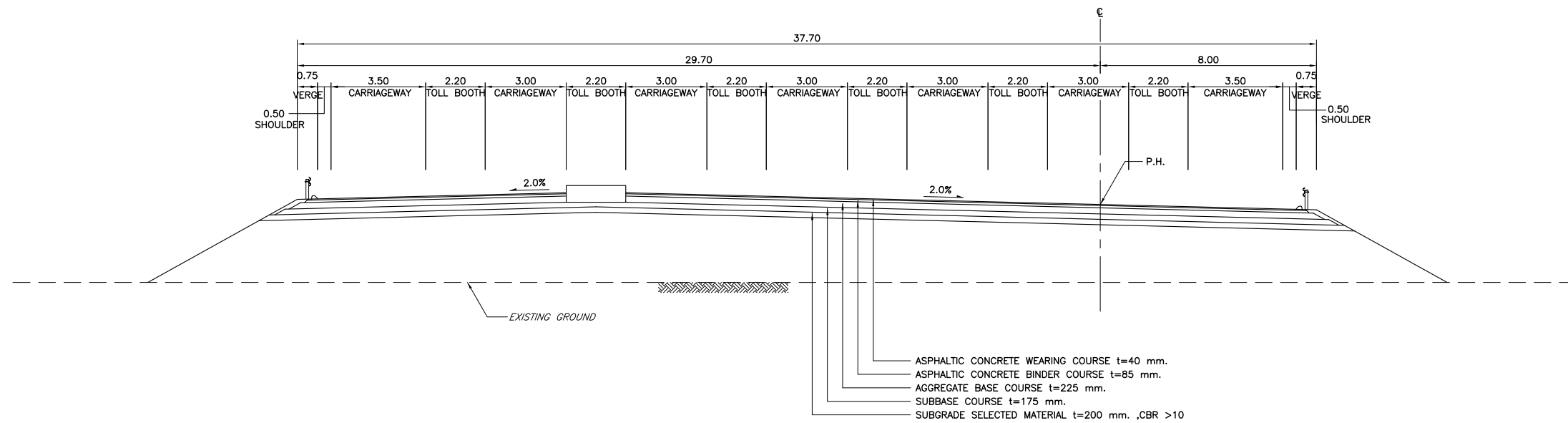
CROSS SECTION
A1 BYPASS STA 2+100
(EXISTING A1 ROAD)
SCALE 1:200

No	REVISION	DATE

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	F-19



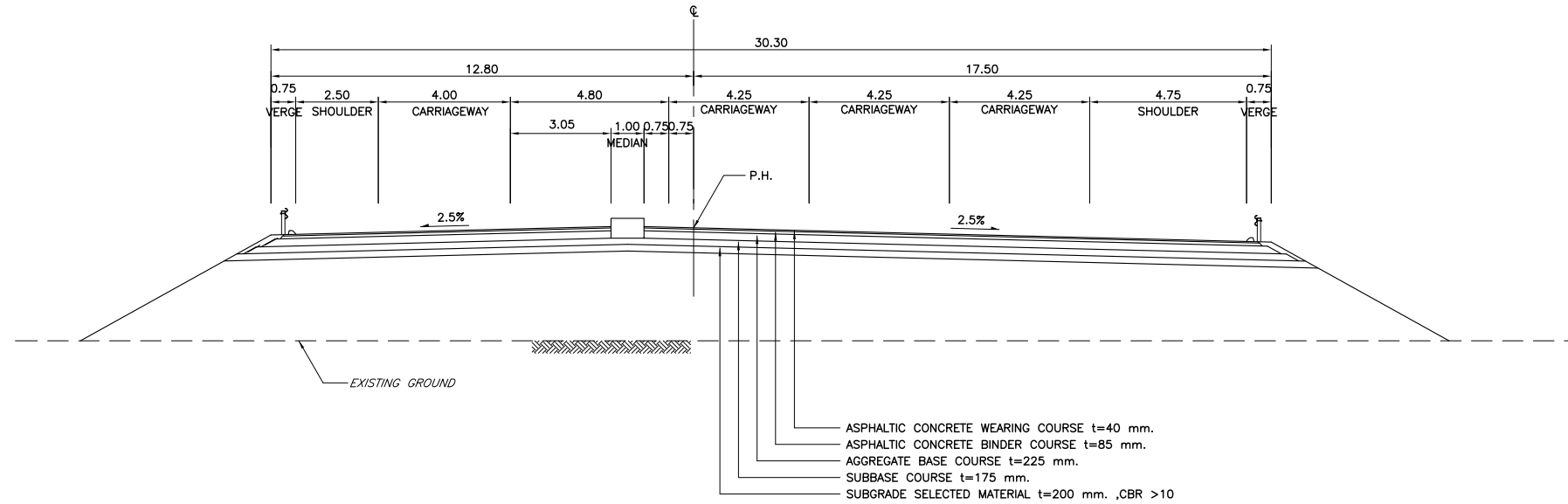
CROSS SECTION
RAMP-1 STA 0+035
SCALE 1:200



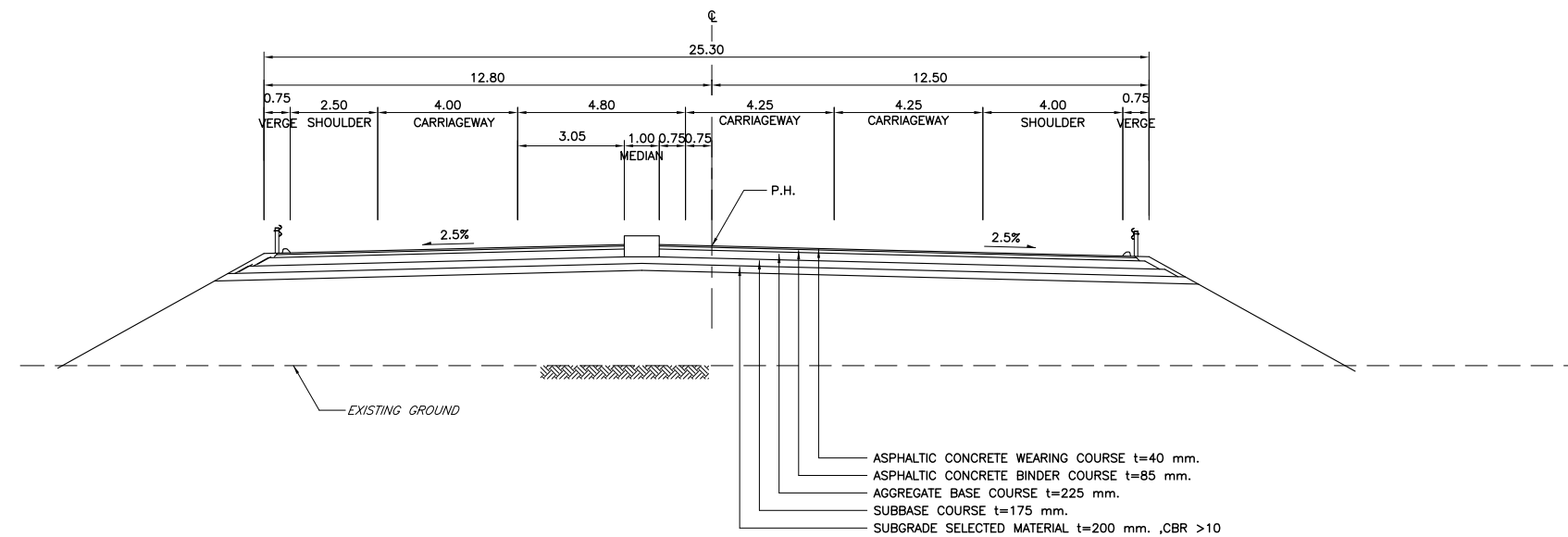
CROSS SECTION
RAMP-1 STA 0+130
SCALE 1:200

No	REVISION	DATE

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	F-20



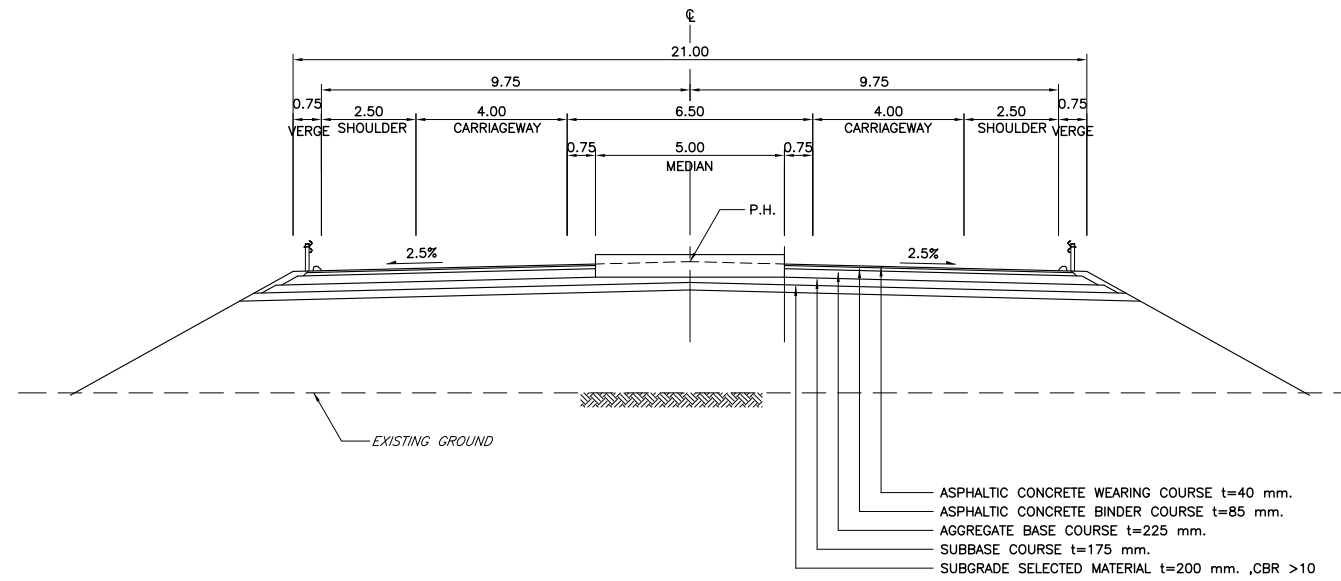
CROSS SECTION
RAMP-4 STA 0+050
SCALE 1:200



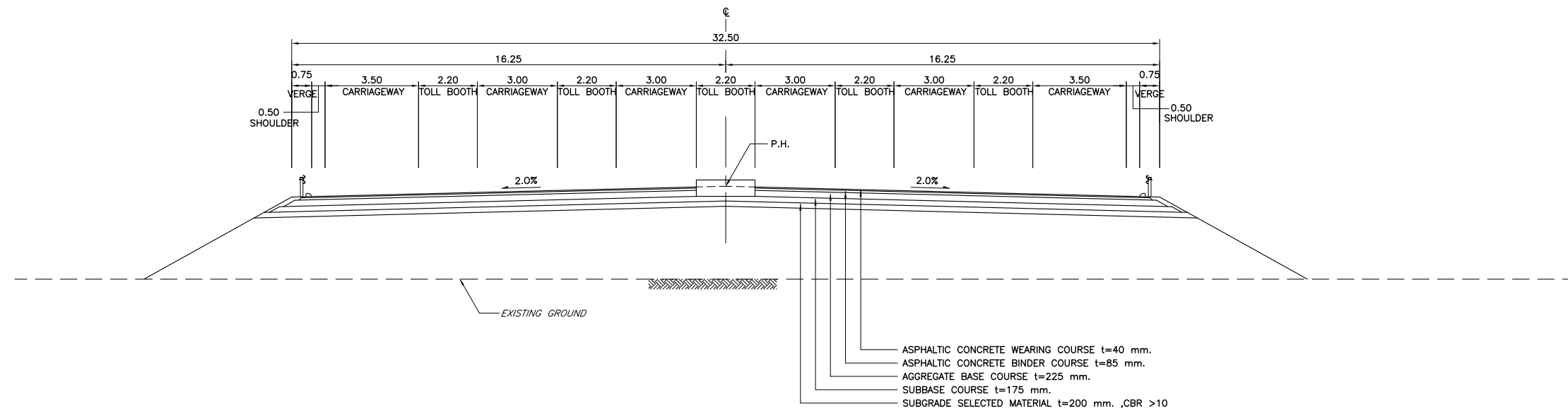
CROSS SECTION
RAMP-4 STA 0+090
SCALE 1:200

No	REVISION	DATE

DESIGNED BY:	
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APPROVED BY:	
DWG. NO.	F-21



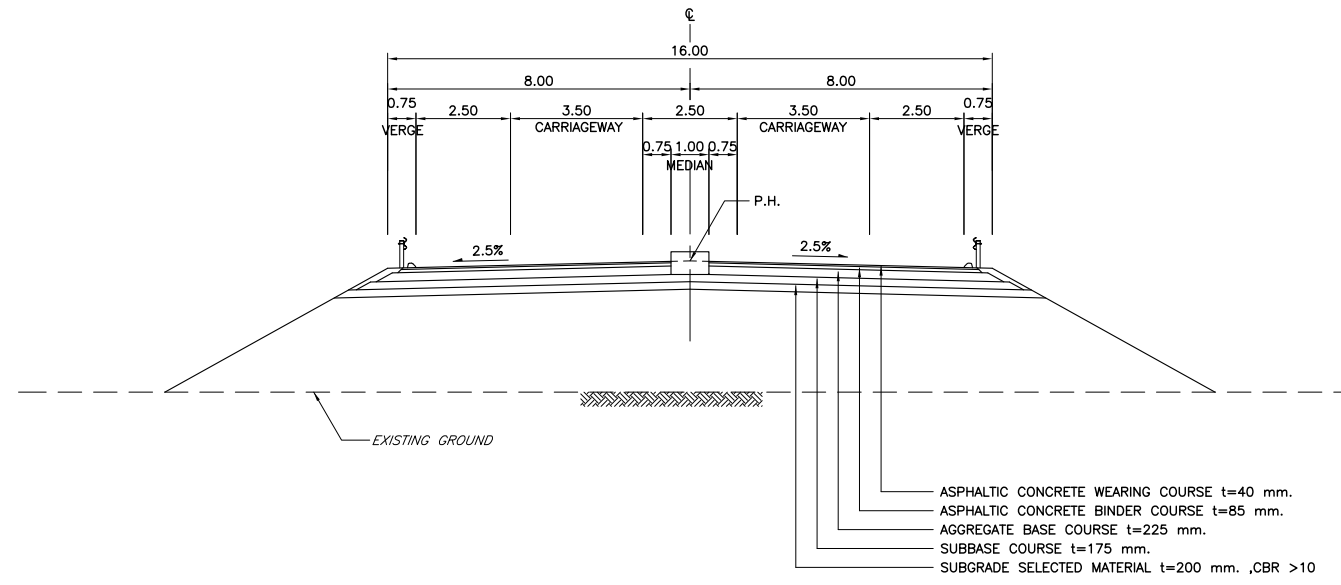
CROSS SECTION
RAMP-4 STA 0+130
SCALE 1:200



CROSS SECTION
RAMP-4 STA 0+240
SCALE 1:200

No	REVISION	DATE

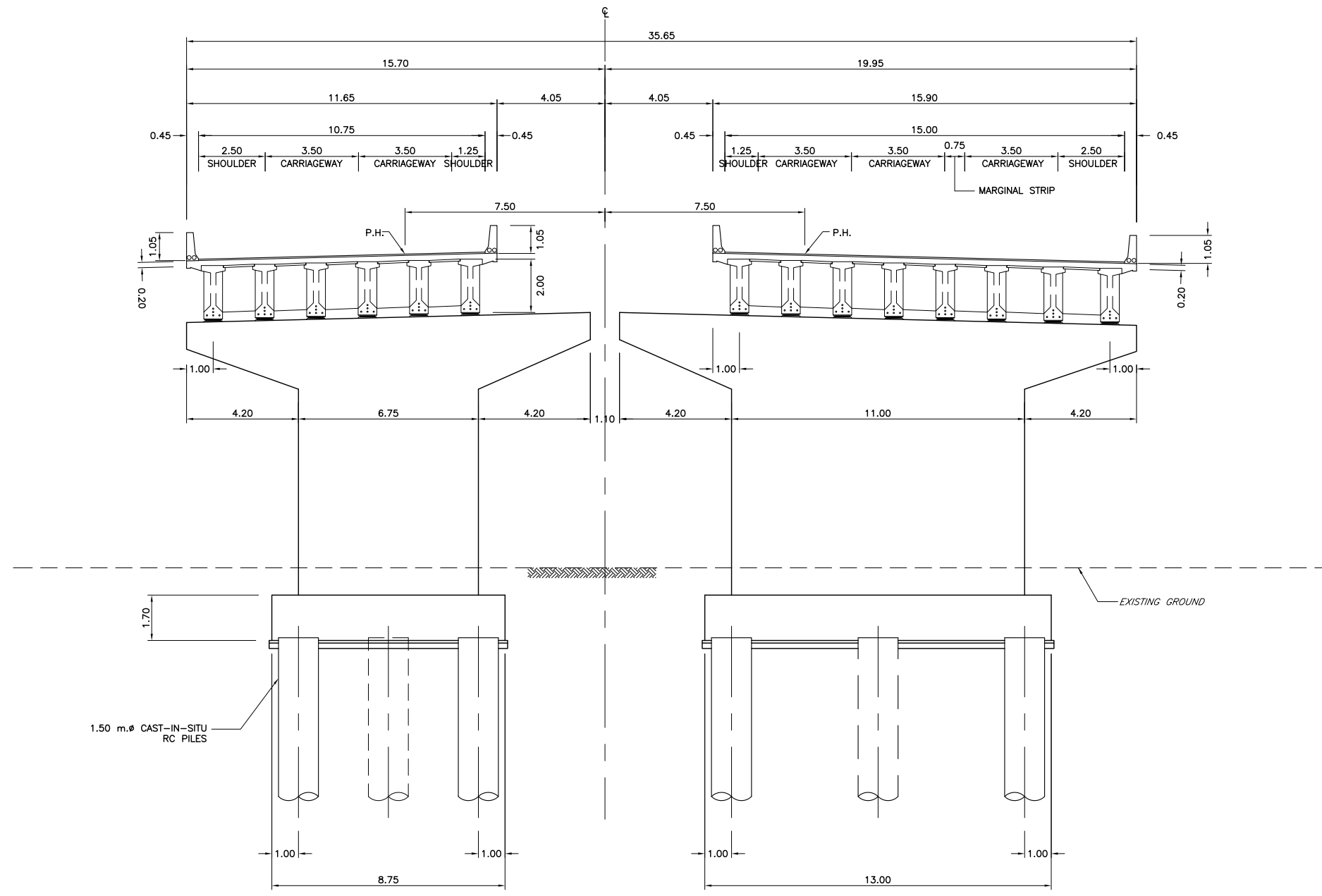
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	F-22



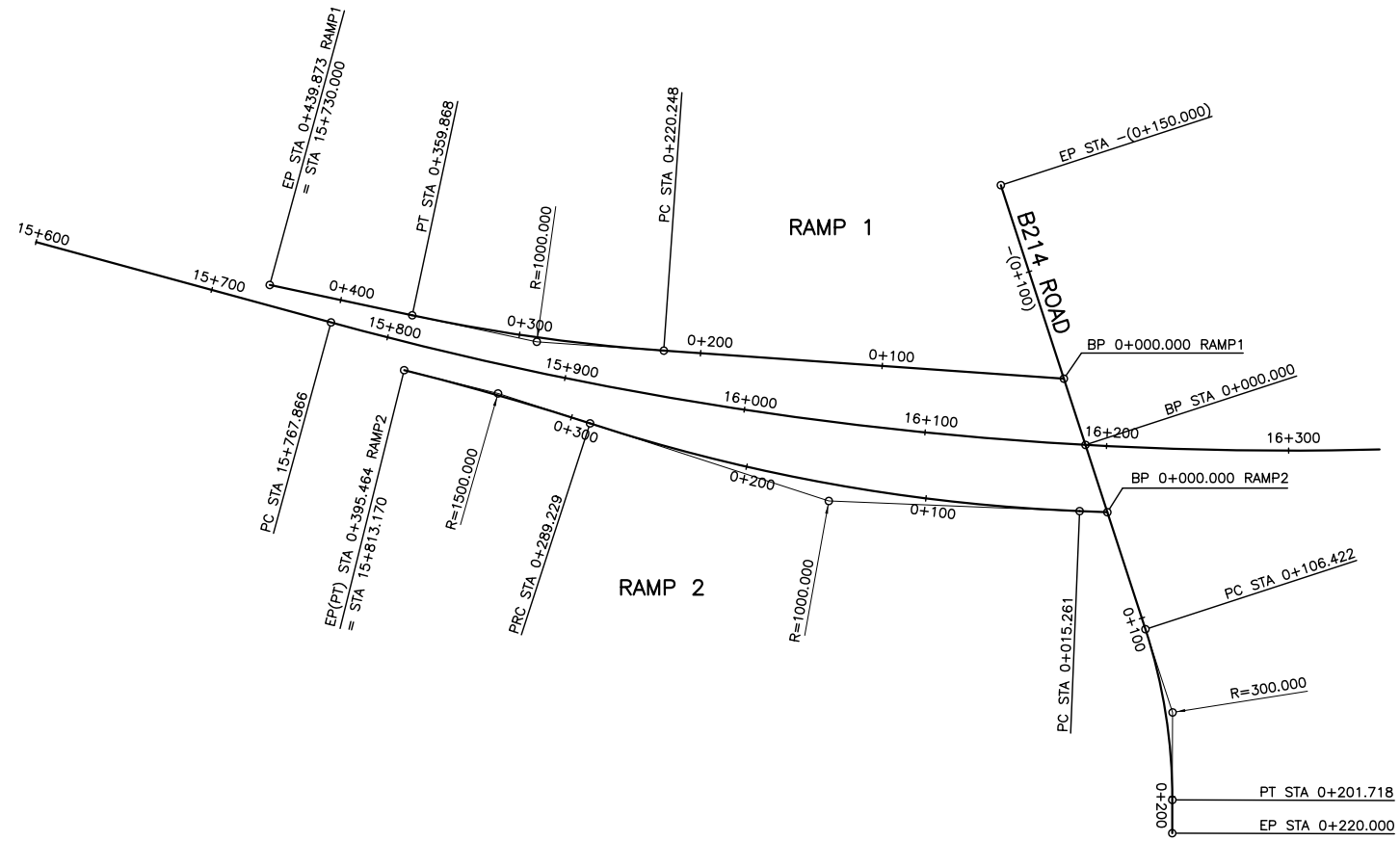
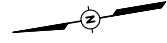
CROSS SECTION
 RAMP-4 STA 0+320
 SCALE 1:200

No	REVISION	DATE

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	F-23



CROSS SECTION
 MAINLINE STA 8+740
 SCALE 1:200

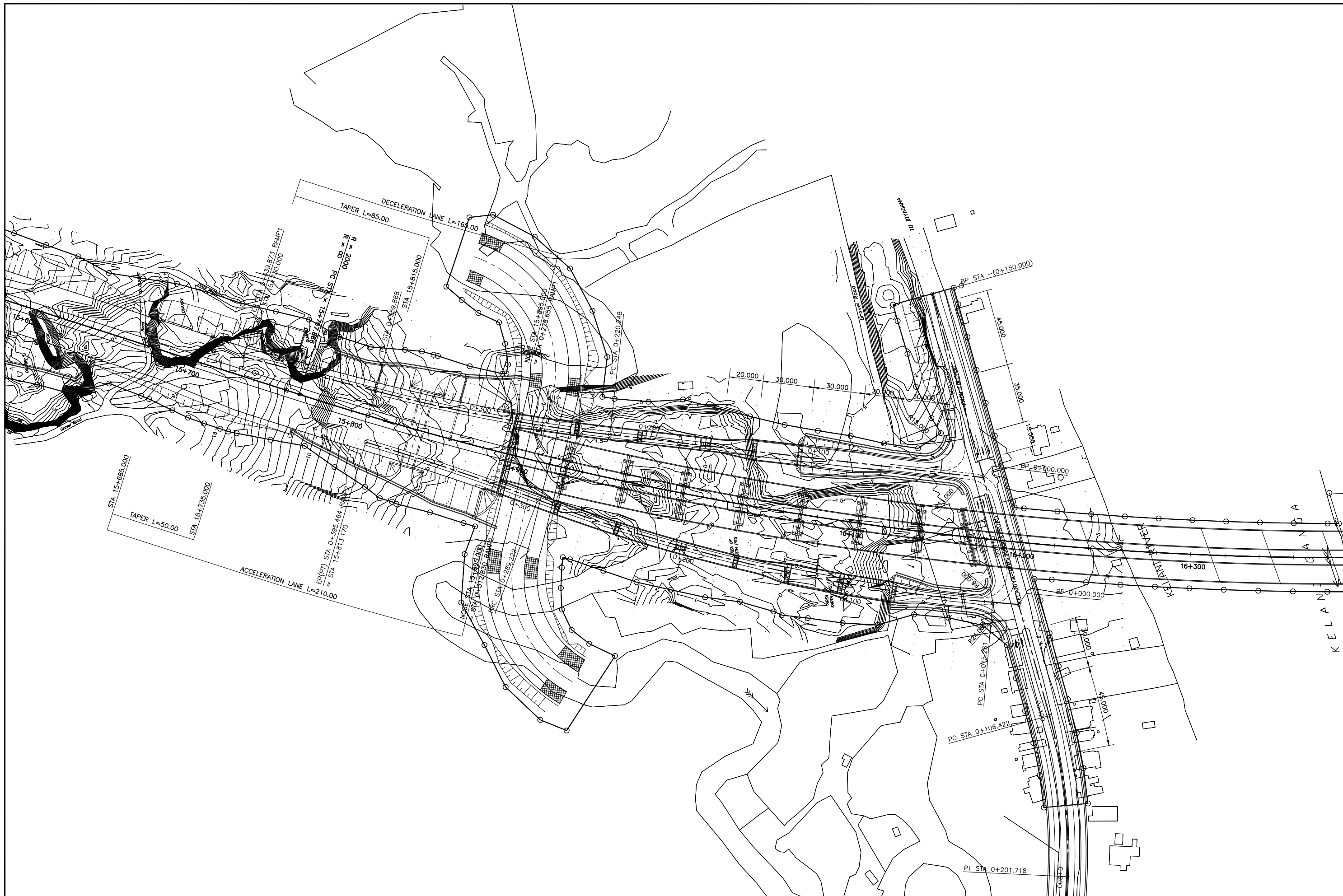


B-214 INTERCHANGE

ELEMENTS OF CURVE
B-214 INTERCHANGE

POINT	STATION	COORDINATES		A	R
		EAST	NORTH		
B214 ROAD					
EP	-(0+150.000)	111,567.296	193,263.575		
BP	0+000.000	111,418.994	193,241.068		R=INFINITY
PC	0+106.422	111,313.777	193,225.099		R=INFINITY
PT	0+201.718	111,218.884	193,225.878		R=300
EP	0+220.000	111,200.857	193,228.918		R=INFINITY
RAMP 1					
BP	0+000.000	111,456.816	193,246.808		
PC	0+230.126	111,507.928	193,461.043		R=INFINITY
PT	0+366.800	111,549.688	193,594.152		R=1,000
EP	0+439.820	111,578.904	193,668.632		R=INFINITY
RAMP 2					
BP	0+000.000	111,380.563	193,235.235		
PC	0+011.488	111,383.663	193,250.177		R=INFINITY
PRC	0+281.191	111,475.138	193,507.515		R=1,000
EP(PT)	0+387.144	111,520.677	193,603.470		R=1,500

No	REVISION	DATE



JICA JAPAN INTERNATIONAL COOPERATION AGENCY

ORIENTAL CONSULTANTS COMPANY LIMITED
in association with
PACIFIC CONSULTANTS INTERNATIONAL

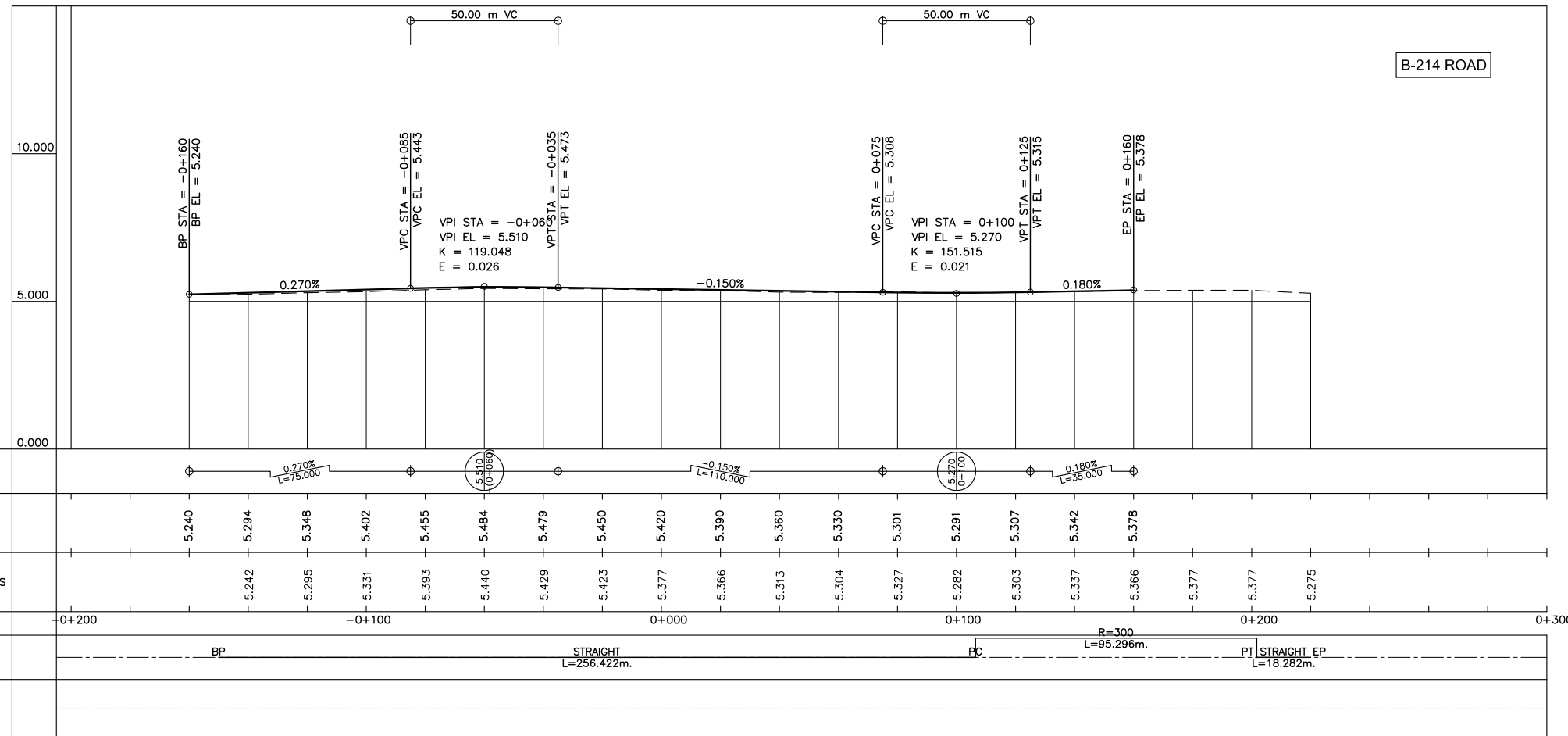
No	REVISION	DATE

COLOMBO OUTER CIRCULAR HIGHWAY PROJECT
(NORTHERN SECTION 1)

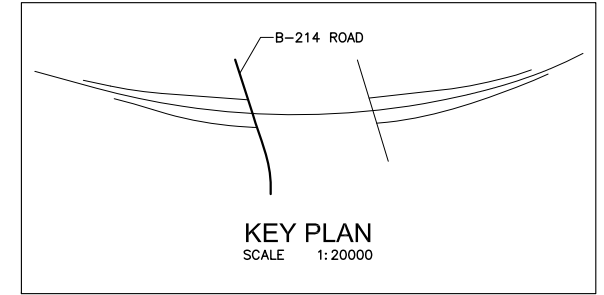
B-214 INTERCHANGE
PLAN

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	F-26

V=1:200
H=1:2000



B-214 ROAD



THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF HIGHWAYS & ROAD DEVELOPMENT



JICA JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS COMPANY LIMITED
in association with
PACIFIC CONSULTANTS INTERNATIONAL

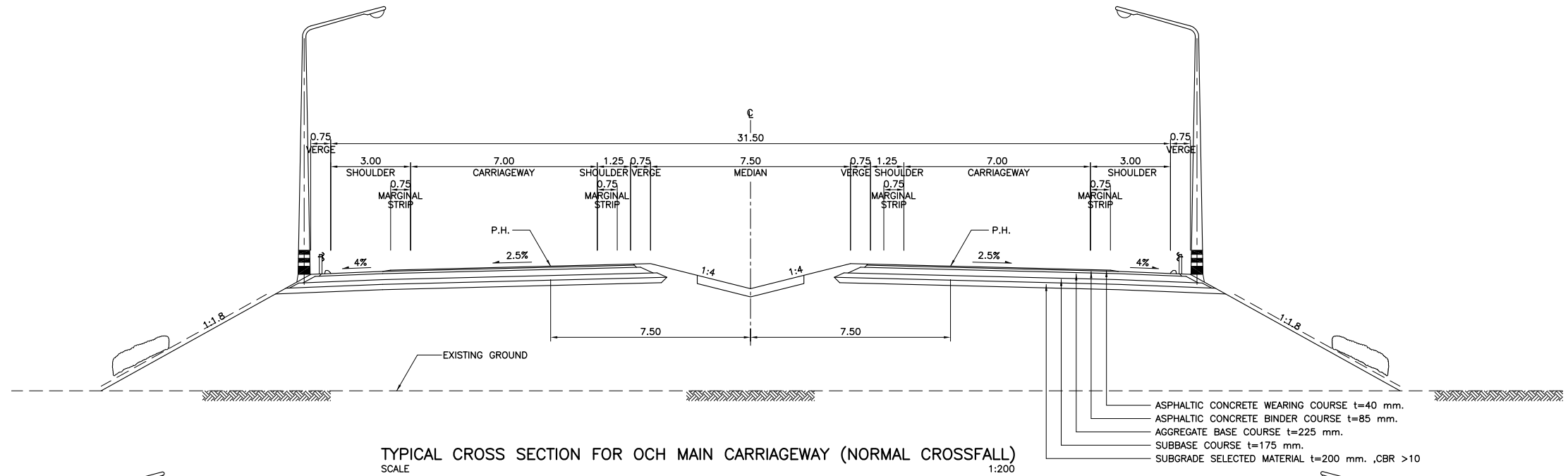


No	REVISION	DATE

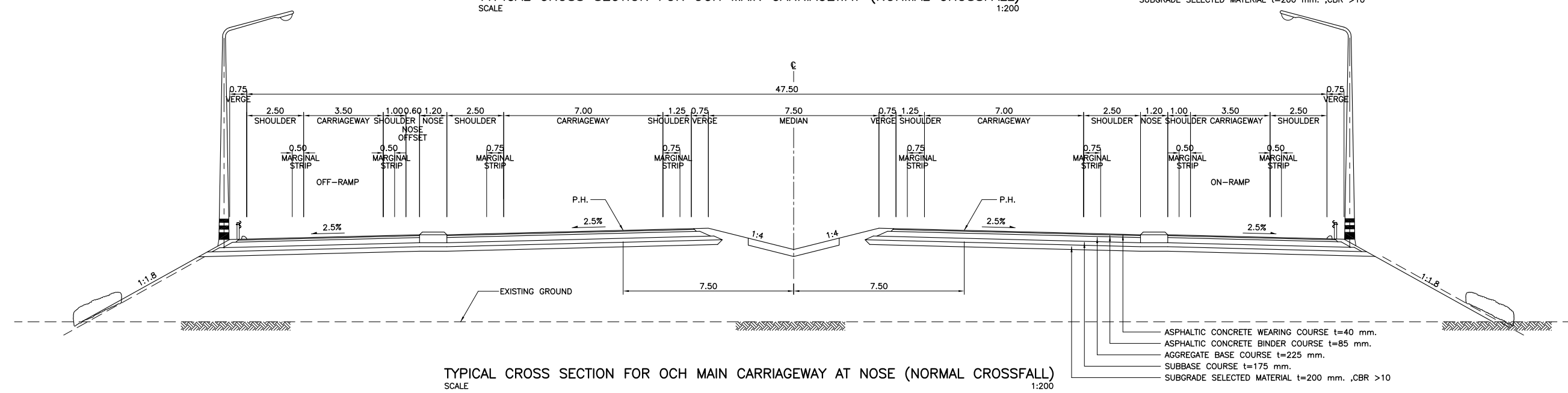
COLOMBO OUTER CIRCULAR HIGHWAY PROJECT
(NORTHERN SECTION 1)

B-214 INTERCHANGE
B-214 ROAD PROFILE

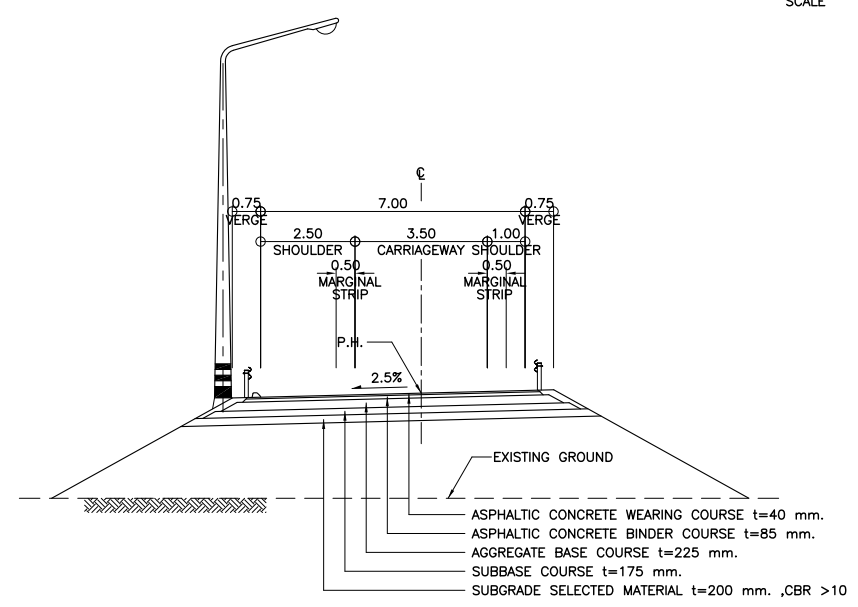
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	F-28



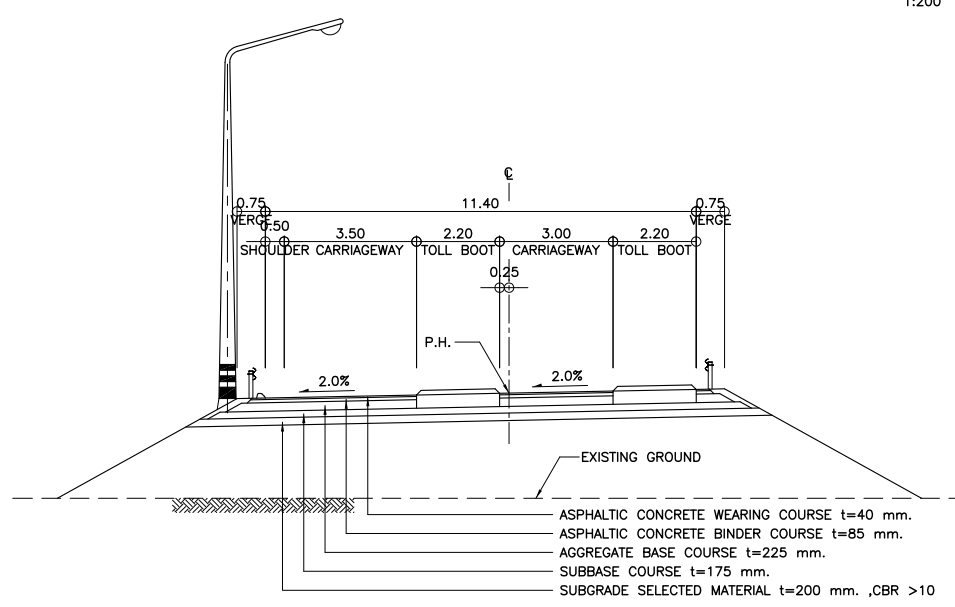
TYPICAL CROSS SECTION FOR OCH MAIN CARRIAGEWAY (NORMAL CROSSFALL)
 SCALE 1:200



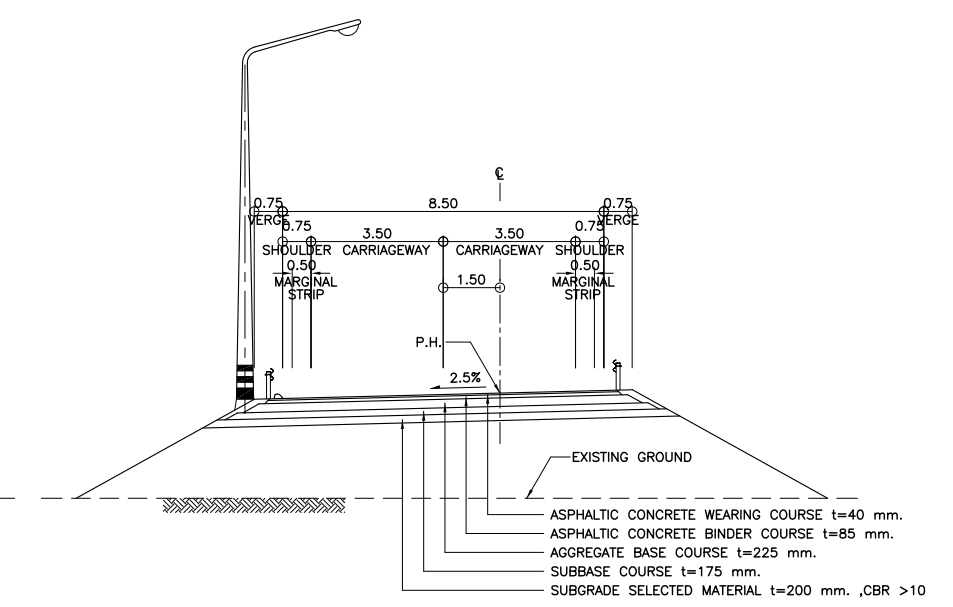
TYPICAL CROSS SECTION FOR OCH MAIN CARRIAGEWAY AT NOSE (NORMAL CROSSFALL)
 SCALE 1:200



TYPICAL CROSS SECTION FOR RAMP (ONE LANE)
 SCALE 1:200



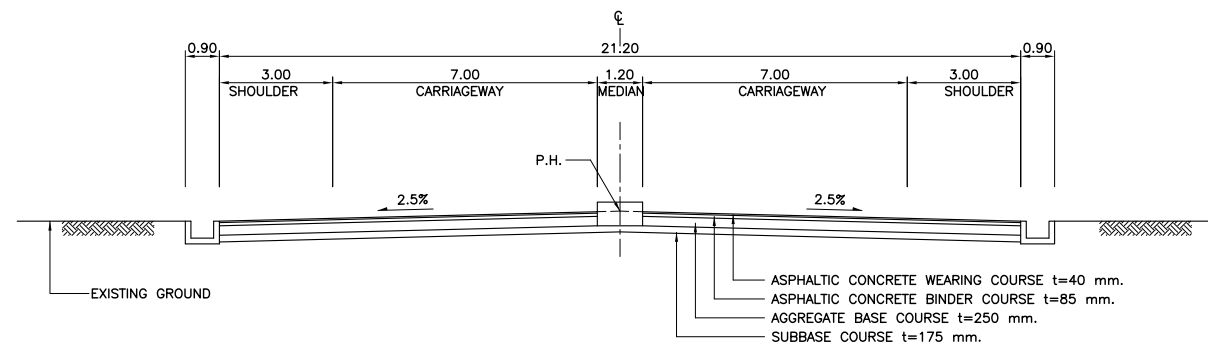
TYPICAL CROSS SECTION FOR RAMP AT TOLL PLAZA
 SCALE 1:200



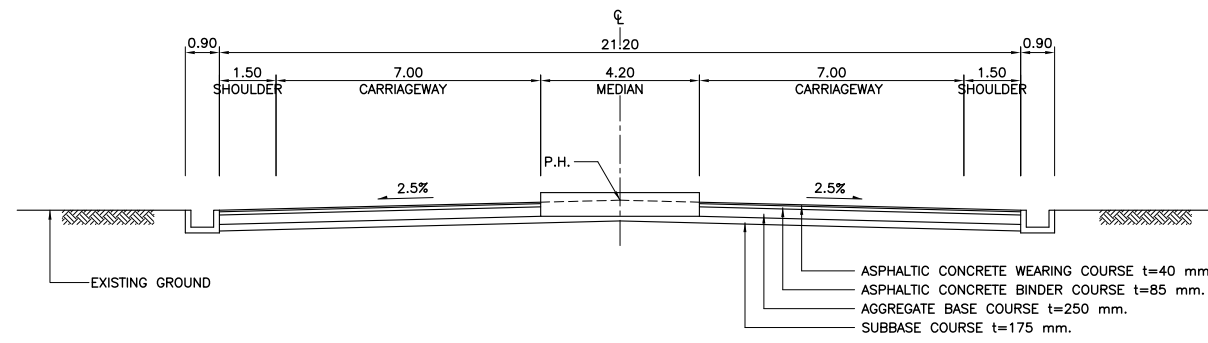
TYPICAL CROSS SECTION FOR RAMP AT INTERSECTION (TWO LANES)
 SCALE 1:200

No	REVISION	DATE
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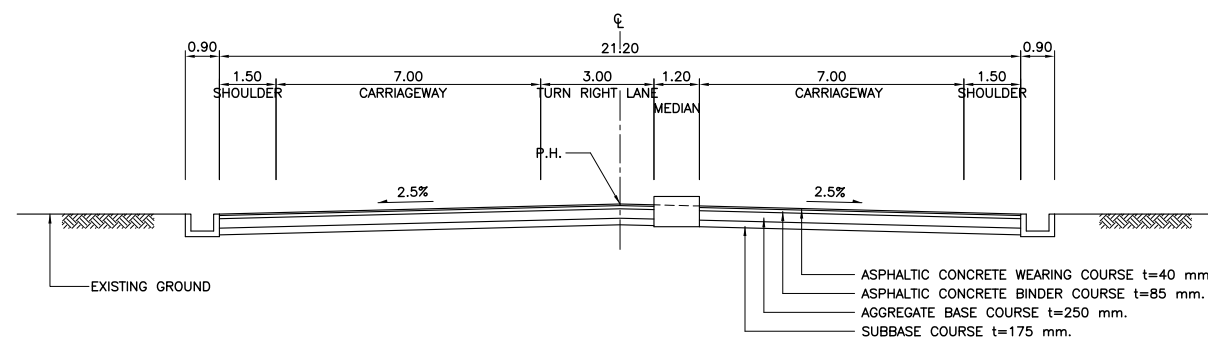
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	F-29



TYPICAL CROSS SECTION FOR B-214 MAIN CARRIAGEWAY (NORMAL CROSSFALL)
SCALE 1:200



TYPICAL CROSS SECTION FOR B-214 AT INTERSECTION
SCALE 1:200



TYPICAL CROSS SECTION FOR B-214 AT INTERSECTION (TURN RIGHT LANE)
SCALE 1:200

No	REVISION	DATE

DESIGNED BY:	
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APPROVED BY:	
DWG. NO.	F-30