

## **APPENDIX**

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## **APPENDIX 5A**

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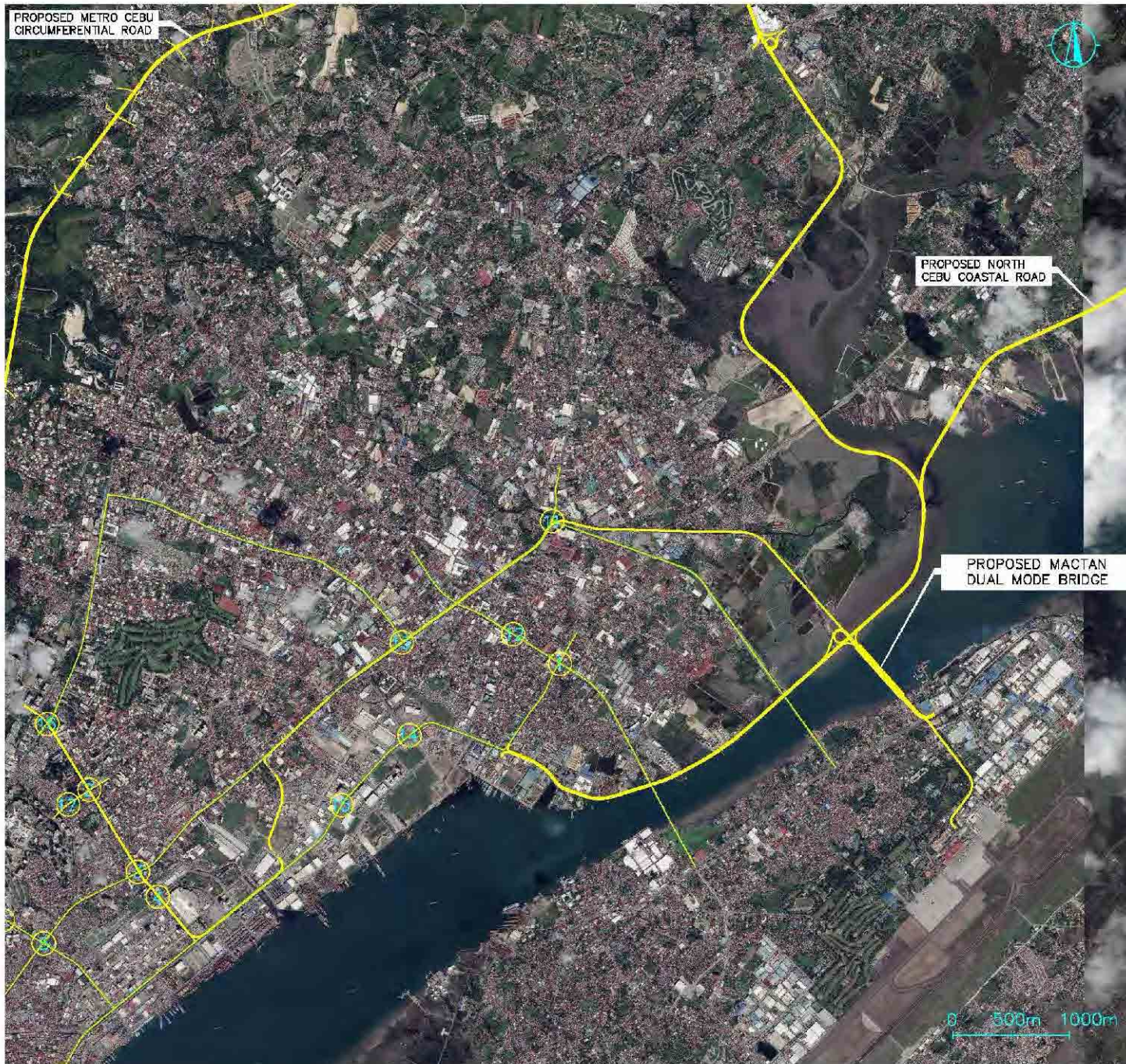
### **DRAWINGS**

## DRAWING INDEX

DRAWING No.	DRAWING TITLE
<b>A. Proposed Roads and Bridges</b>	
A-1	Proposed Mactan Dual Mode Bridge
A-2	Proposed Cebu – Cordova Link Road
A-3	Proposed Metro Cebu Circumferencial Road
A-4	Proposed Second Cebu South Road
A-5	Proposed North Cebu Coastal Road
<b>B. Proposed Interchange Improvements</b>	
A-01	Interchange 10, 15, 14 & 1 Serge Osmena Blvd. - Quirino Ave. J.L. Briones St. - Plaridel St. Sta. 0+000 - Sta. 0+400
A-02	Interchange 10, 15, 14 & 1 Serge Osmena Blvd. - Quirino Ave. J.L. Briones St. - Plaridel St. Sta. 0+000 - Sta. 0+400
A-03	Interchange 10, 15, 14 & 1 Serge Osmena Blvd. - Quirino Ave. J.L. Briones St. - Plaridel St. Sta. 0+000 - Sta. 0+400
A-04	Interchange 10, 15, 14 & 1 Serge Osmena Blvd. - Quirino Ave. J.L. Briones St. - Plaridel St. Sta. 0+000 - Sta. 0+400
A-05	Interchange 10, 15, 14 & 1 Serge Osmena Blvd. - Quirino Ave. J.L. Briones St. - Plaridel St. Sta. 0+000 - Sta. 0+400
A-06	Interchange 10, 15, 14 & 1 Serge Osmena Blvd. - Quirino Ave. J.L. Briones St. - Plaridel St. Sta. 0+000 - Sta. 0+400
A-07	Interchange 10, 15, 14 & 1 Serge Osmena Blvd. - Quirino Ave. J.L. Briones St. - Plaridel St. Sta. 0+000 - Sta. 0+400
A-08	Interchange 10, 15, 14 & 1 Serge Osmena Blvd. - Quirino Ave. J.L. Briones St. - Plaridel St. Sta. 0+000 - Sta. 0+400
A-09	Interchange 10, 15, 14 & 1 Serge Osmena Blvd. - Quirino Ave. J.L. Briones St. - Plaridel St. Sta. 0+000 - Sta. 0+400
A-10	Interchange 10, 15, 14 & 1 Serge Osmena Blvd. - Quirino Ave. J.L. Briones St. - Plaridel St. Sta. 0+000 - Sta. 0+400
B-01	Interchange 19, 9, 5, 3, 13, & 11 Imus Ave. - M.J. Cuenco Ave. Lopez Jaina St. - M.C. Briones St. Sta. 0+000 - Sta. 0+700
B-02	Interchange 19, 9, 5, 3, 13, & 11 Imus Ave. - M.J. Cuenco Ave. Lopez Jaina St. - M.C. Briones St. Sta. 0+000 - Sta. 0+700
B-03	Interchange 19, 9, 5, 3, 13, & 11 Imus Ave. - M.J. Cuenco Ave. Lopez Jaina St. - M.C. Briones St. Sta. 0+000 - Sta. 0+700
B-04	Interchange 19, 9, 5, 3, 13, & 11 Imus Ave. - M.J. Cuenco Ave. Lopez Jaina St. - M.C. Briones St. Sta. 0+000 - Sta. 0+700
B-05	Interchange 19, 9, 5, 3, 13, & 11 Imus Ave. - M.J. Cuenco Ave. Lopez Jaina St. - M.C. Briones St. Sta. 0+000 - Sta. 0+700
B-06	Interchange 19, 9, 5, 3, 13, & 11 Imus Ave. - M.J. Cuenco Ave. Lopez Jaina St. - M.C. Briones St. Sta. 0+000 - Sta. 0+700
B-07	Interchange 19, 9, 5, 3, 13, & 11 Imus Ave. - M.J. Cuenco Ave. Lopez Jaina St. - M.C. Briones St. Sta. 0+000 - Sta. 0+700
B-08	Interchange 19, 9, 5, 3, 13, & 11 Imus Ave. - M.J. Cuenco Ave. Lopez Jaina St. - M.C. Briones St. Sta. 0+000 - Sta. 0+700
B-09	Interchange 19, 9, 5, 3, 13, & 11 Imus Ave. - M.J. Cuenco Ave. Lopez Jaina St. - M.C. Briones St. Sta. 0+000 - Sta. 0+700
B-10	Interchange 19, 9, 5, 3, 13, & 11 Imus Ave. - M.J. Cuenco Ave. Lopez Jaina St. - M.C. Briones St. Sta. 0+000 - Sta. 0+700
B-11	Interchange 19, 9, 5, 3, 13, & 11 Imus Ave. - M.J. Cuenco Ave. Lopez Jaina St. - M.C. Briones St. Sta. 0+000 - Sta. 0+700
B-12	Interchange 19, 9, 5, 3, 13, & 11 Imus Ave. - M.J. Cuenco Ave. Lopez Jaina St. - M.C. Briones St. Sta. 0+000 - Sta. 0+700
B-13	Interchange 19, 9, 5, 3, 13, & 11 Imus Ave. - M.J. Cuenco Ave. Lopez Jaina St. - M.C. Briones St. Sta. 0+000 - Sta. 0+700

DRAWING No.	DRAWING TITLE
C-01	Interchange 10 & 20 V. Sotto Street / Colon Street Sta. 0+000 - Sta. 0+700
C-02	Interchange 10 & 20 V. Sotto Street / Colon Street Sta. 0+000 - Sta. 0+700
C-03	Interchange 10 & 20 V. Sotto Street / Colon Street Sta. 0+000 - Sta. 0+700
E-01	Interchange 5, 6, 18, 7 & 8 General Maxilom Ave. Sta. 0+000 - Sta. 0+700
E-02	Interchange 5, 6, 18, 7 & 8 General Maxilom Ave. Sta. 0+000 - Sta. 0+700
E-03	Interchange 5, 6, 18, 7 & 8 General Maxilom Ave. Sta. 0+000 - Sta. 0+700
E-04	Interchange 5, 6, 18, 7 & 8 General Maxilom Ave. Sta. 0+000 - Sta. 0+700
H-01	Interchange 4, 3, 2 & 16 Juan Luna Ave. / Pope John Paul II Ave. Sta. 0+000 - Sta. 0+700
H-02	Interchange 4, 3, 2 & 16 Juan Luna Ave. / Pope John Paul II Ave. Sta. 0+000 - Sta. 0+700
H-03	Interchange 4, 3, 2 & 16 Juan Luna Ave. / Pope John Paul II Ave. Sta. 0+000 - Sta. 0+700
H-04	Interchange 4, 3, 2 & 16 Juan Luna Ave. / Pope John Paul II Ave. Sta. 0+000 - Sta. 0+700
H-05	Interchange 4, 3, 2 & 16 Juan Luna Ave. / Pope John Paul II Ave. Sta. 0+000 - Sta. 0+700
J-01	Interchange 1 & 12 A.C. Cortes Ave. Sta. 0+000 - Sta. 0+700
J-02	Interchange 1 & 12 A.C. Cortes Ave. Sta. 0+000 - Sta. 0+700
J-03	Interchange 1 & 12 A.C. Cortes Ave. Sta. 0+000 - Sta. 0+700
J-04	Interchange 1 & 12 A.C. Cortes Ave. Sta. 0+000 - Sta. 0+700
J-05	Interchange 1 & 12 A.C. Cortes Ave. Sta. 0+000 - Sta. 0+700
J-06	Interchange 1 & 12 A.C. Cortes Ave. Sta. 0+000 - Sta. 0+700
M-01	Interchange 2 & 17 Cardinal Rosales Ave. Sta. 0+000 - Sta. 0+593

**A. Proposed Roads and Bridges**





PROPOSED CEBU-CORDOVA LINK ROAD



PROPOSED METRO CEBU  
CIRCUMFERENTIAL ROAD

PROPOSED NORTH CEBU  
COASTAL ROAD

PROPOSED MACTAN  
DUAL MODE BRIDGE

PROPOSED CEBU-CORDOVA  
LINK ROAD

EXISTING SRP  
SOUTH ROAD PROJECT

0 500m 1000m



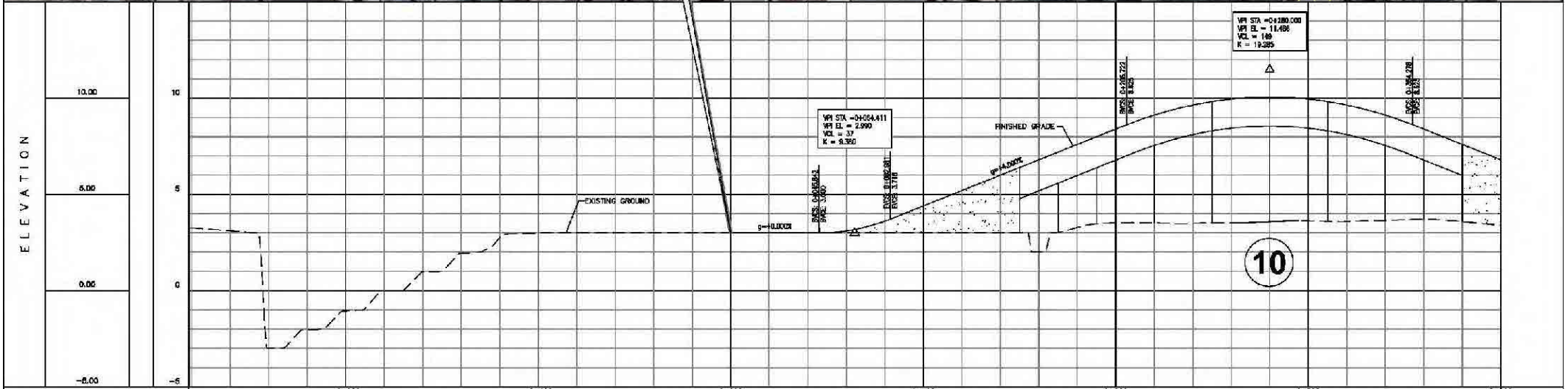


PROPOSED SECOND CEBU SOUTH ROAD

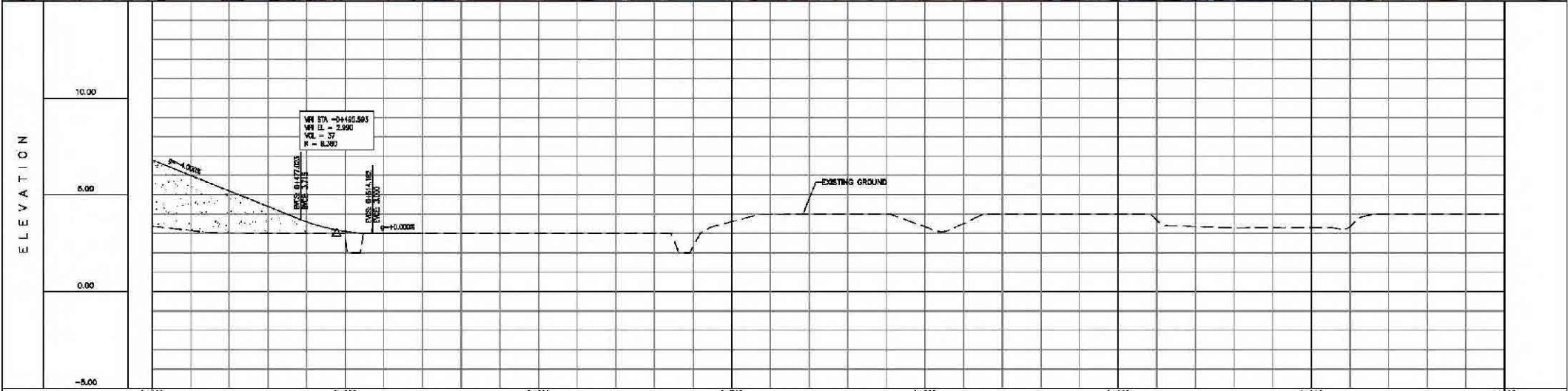
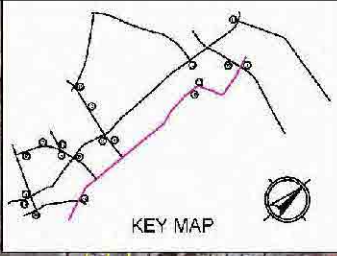


PROPOSED NORTH CEBU COASTAL ROAD

## **B. Proposed Interchange Improvements**

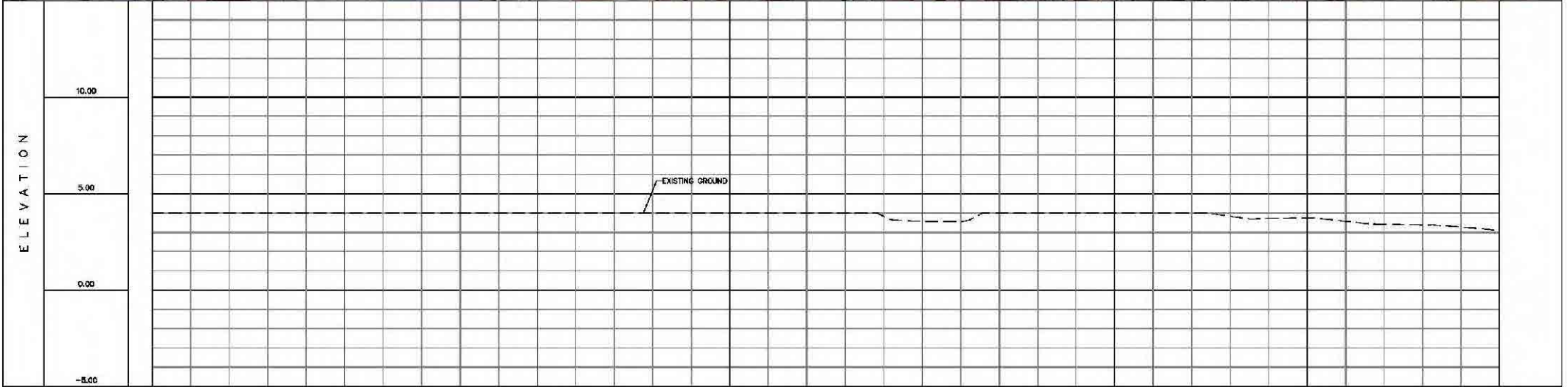


STATION	0+200	0+100	0+000	0+100	0+200	0+300	0+400																																										
FINISHED GROUND																																																	
EXISTING GROUND	3.228	3.189	3.069	2.704	-1.054	-4.021	0.689	1.837	2.722	2.892	3.000	3.000	3.001	3.001	3.000	3.000	3.000	3.009	3.004	3.000	4.286	5.196	5.998	6.798	7.298	7.298	8.296	9.122	9.641	9.982	10.094	10.982	11.801	12.122	12.996	13.681	14.798												
CONSULTANT	DESIGNED		SURVEYED				PROJECT AND LOCATION:		SHEET COMMENTS:		SCALE:		DRAWING NO.																																				
INTERCHANGE IC-15, 4 & 1										ORGC CARMENA DLVD. - OL RINO AVE.										J.L. BRIONES ST. PLARDEL ST.										STA. 0+000 - STA. 0+100										(A-1)									



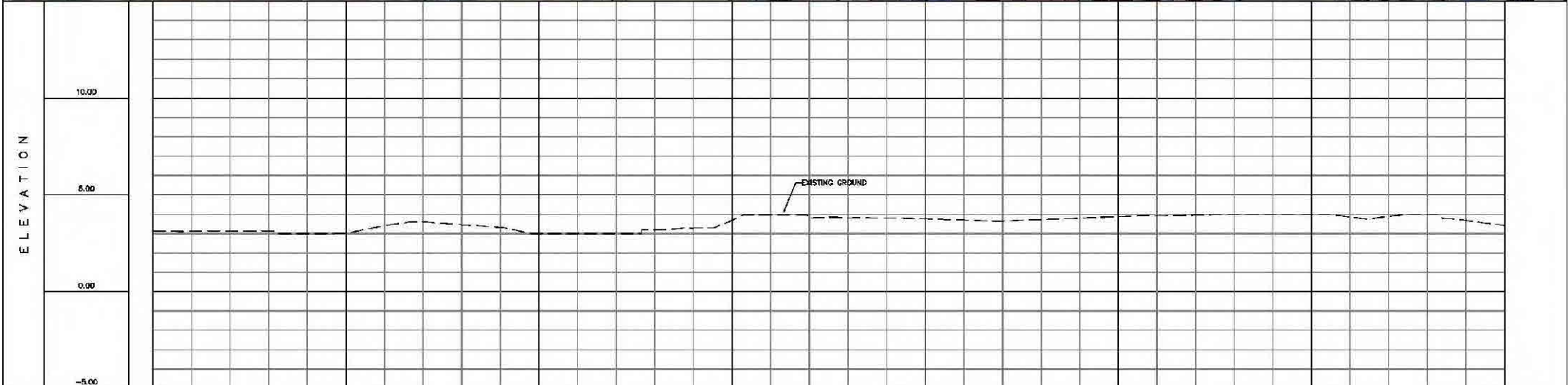
STATION	0+400	0+450	0+500	0+550	0+600	0+650	0+700	0+750	0+800	0+850	0+900	0+950	1+000	1+050	1+100
FINISHED GROUND	3.276	3.147	3.033	2.916	2.806	2.702	2.604	2.512	2.426	2.346	2.272	2.204	2.142	2.086	2.036
EXISTING GROUND	3.276	3.147	3.033	2.916	2.806	2.702	2.604	2.512	2.426	2.346	2.272	2.204	2.142	2.086	2.036

DATE: _____	DESIGNED BY: _____	CHECKED BY: _____	SCALE: _____	PROJECT NO. (SUA PROJ): _____	SHEET ORIENTATION: _____	DATE: _____	REVISIONS: _____
				INTERCHANGE 10, 15, 14 & 1 SERGE OSMEÑA BLVD. - CUIRINO AVE. J.L. BRIONES ST. - F. ARIDEL ST. STA. 0+400 - STA. 1+100			



STATION	14-100	14-200	14-300	14-400	14-500	14-600	14-700	14-800
FINISHED GROUND								
EXISTING GROUND	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000

CONTRACT NO.:	DESIGNED BY:	PERMITTED BY:	PROJECT AND LOCATION:	DRAWN BY:	DATE:
			INTERCHANGE 10, 15, 14.8 - SERGE OSMEÑA BLVD. - QUIRINO AVE. J. BRIONES ST. - FLARDEL ST. STA. 14-100 - STA. 14-800	A-03	



STATION 1+800 1+900 2+000 2+100 2+200 2+300 2+400 2+500

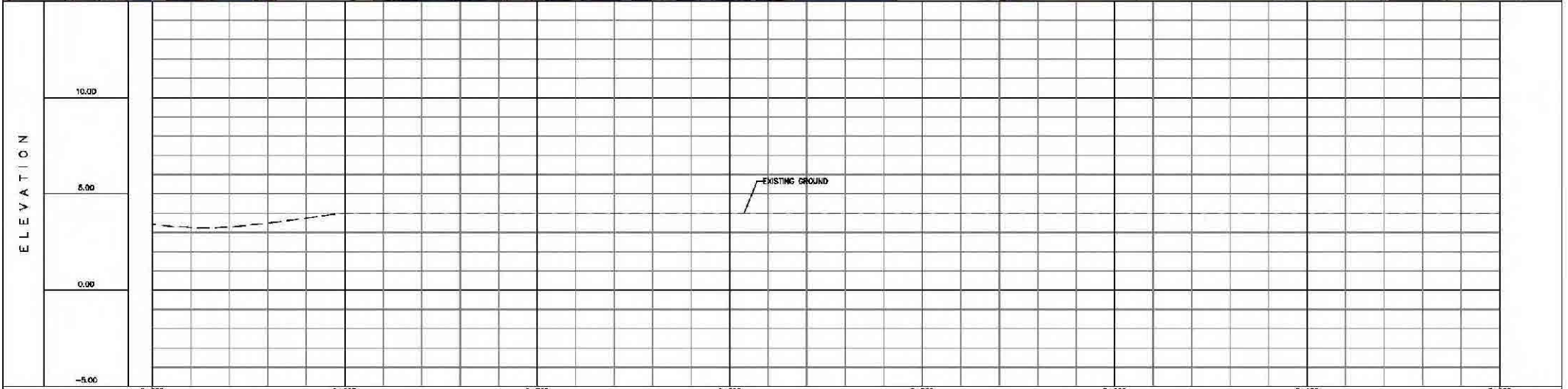
FINISHED GROUND

EXISTING GROUND	5.115	3.114	3.122	3.128	3.022	3.008	3.062	3.072	3.040	3.309	3.000	3.000	3.000	3.187	3.276	3.295	3.297	3.307	3.708	3.800	3.793	3.695	3.401	3.222	3.793	3.874	3.812	3.825	4.000	4.000	4.000	3.896	3.881	4.000	3.872	3.825
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DATE:	DESIGNED BY:	PROJECT AND LOCATION:	DISTRICT:	SCALE:	REVISIONS:

INTERCHANGE 10, 15, 14 & 1  
 SERGE OSMENA BLVD - C. JIRINO AVE  
 J.L. BRIGNES ST - PARDEL ST.  
 STA 1+800 - STA 2+600





STATION	2+500	2+600	2+700	2+800	2+900	3+000	3+100	3+200
FINISHED GROUND								
EXISTING GROUND	3.10	3.20	3.30	3.40	3.70	6.00	6.00	6.00

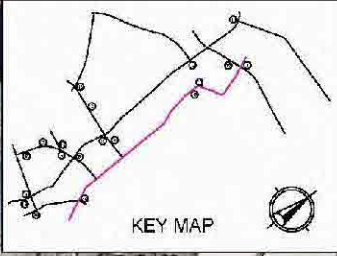
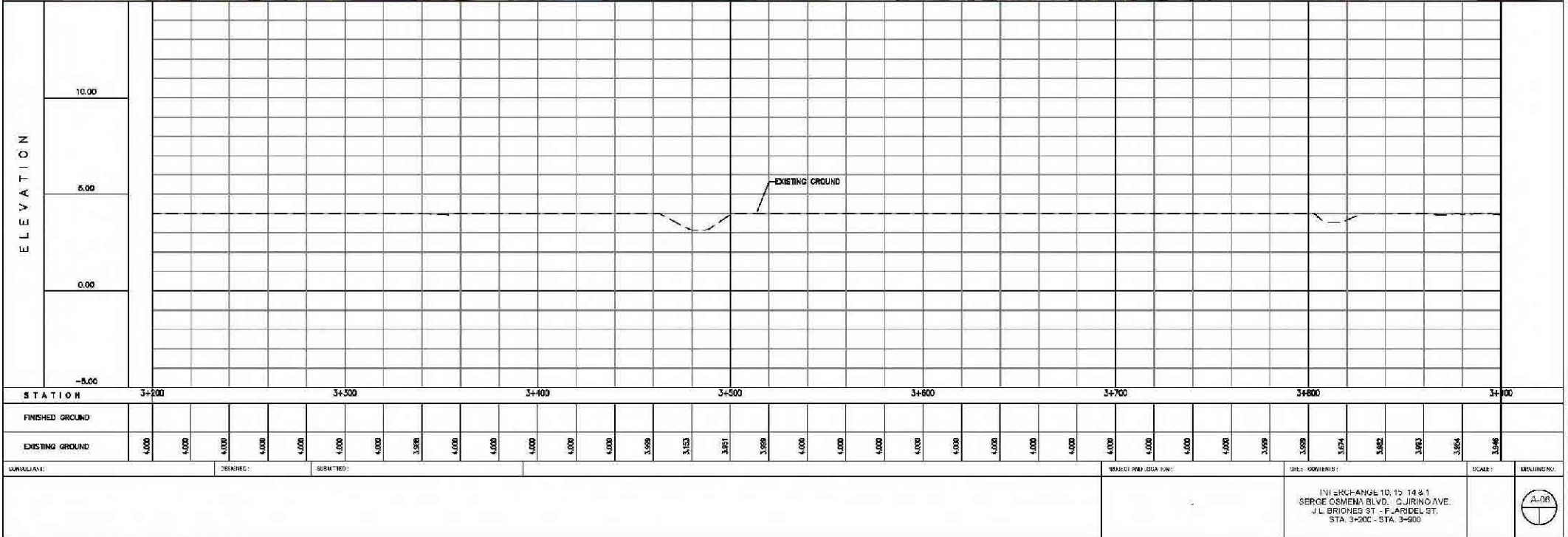
  

CONTRACT NO:	ASR/NO:	ISSUE NO:	PROJECT AND LOCATION:	DISTRICTS:	SCALE:	DESIGNED:

INTERCHANGE 10, 15, 14 & 1  
 SFRGE OCEPNA RIVD - C. JIRINO AVP  
 J.L. BRIGNES ST - P. ARIDEL ST.  
 STA. 2+500 - STA. 3+200



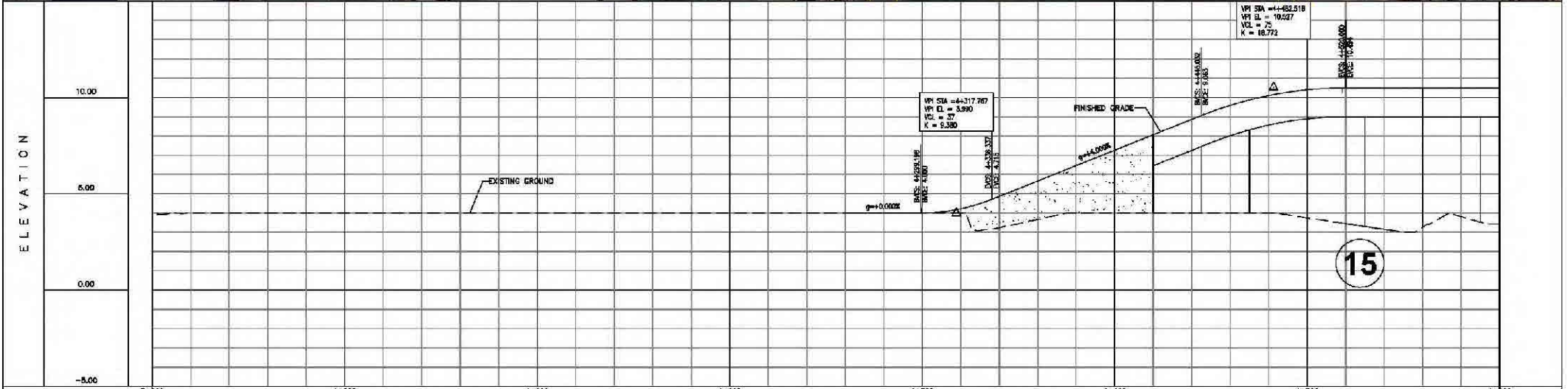




DATE:	DESIGNED BY:	DATE:	DESIGNED BY:	DATE:	DESIGNED BY:	DATE:	DESIGNED BY:	DATE:	DESIGNED BY:	DATE:	DESIGNED BY:	DATE:	DESIGNED BY:	DATE:	DESIGNED BY:	DATE:	DESIGNED BY:	DATE:	DESIGNED BY:	DATE:	DESIGNED BY:	DATE:	DESIGNED BY:	DATE:	DESIGNED BY:	DATE:	DESIGNED BY:	DATE:	DESIGNED BY:	DATE:	DESIGNED BY:	DATE:	DESIGNED BY:		

INTERCHANGE 10, 15, 14 & 1  
 SERGE OSMEÑA BLVD., CUIRINO AVE.  
 J.L. BRIONES ST. - F. ARIDEL ST.  
 STA. 3+200 - STA. 3+800





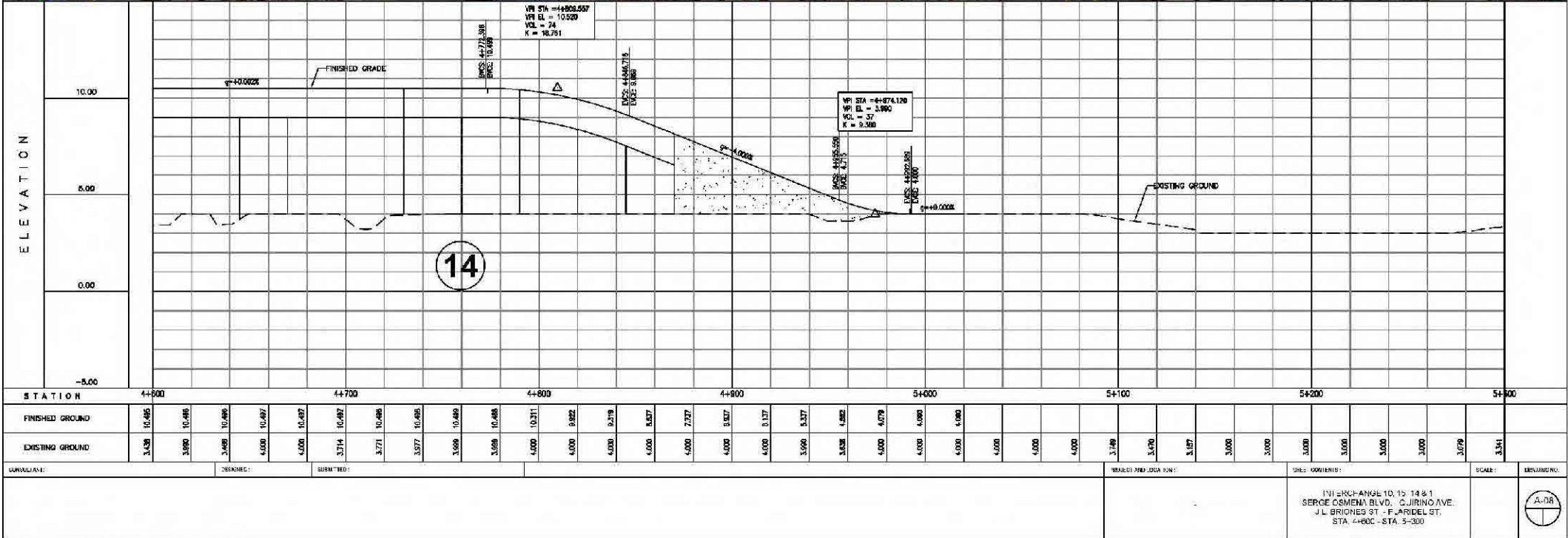
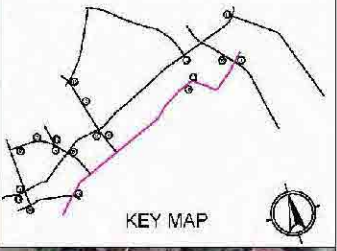
STATION	3+900	4+000	4+100	4+200	4+300	4+400	4+500	4+600
FINISHED GROUND								
EXISTING GROUND	3.546	4.000	4.000	4.000	4.000	4.000	4.000	4.000
GRADES								
VERTICAL CURVE DATA								
VI STA = 4+317.767								
VI EL = 3.990								
X0 = 4+117.767								
K = 9.380								
VI STA = 4+482.518								
VI EL = 10.527								
X0 = 4+282.518								
K = 18.772								

INTERCHANGE 10, 15, 14 & 1  
 SERGE OSMEÑA BLVD. - C. JURINO AVE.  
 J.L. BRIONES ST. - F. ARDEL ST.  
 STA. 3+400 - STA. 4+600

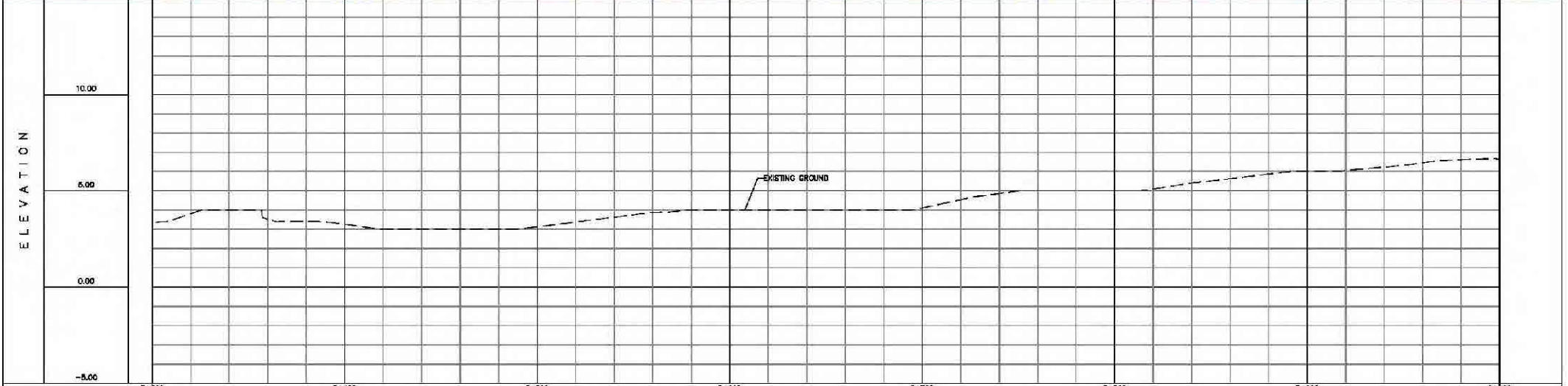


OUANO AVE. COR. CONRADO O. SEVO

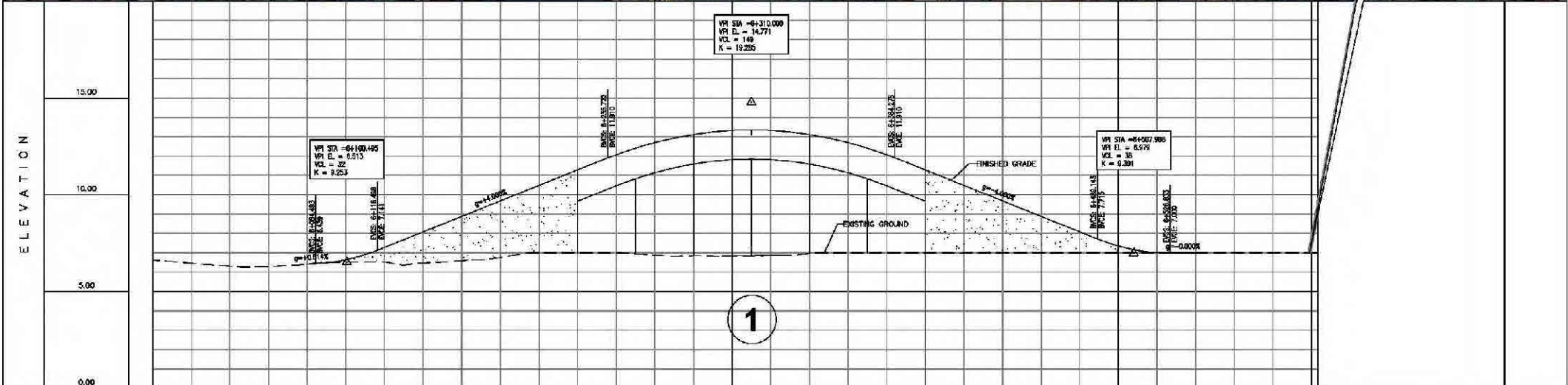
14



DATE: _____	DRAWN BY: _____	CHECKED BY: _____	SCALE: _____	PROJECT NO. (SUA FUN): _____	SHEET ORIENTED: _____	DATE: _____	REVISIONS: _____
				INTERCHANGE 10, 15 14 & 1 SERGE OSMENA BLVD. - OJIRINO AVE. J.L. BRIONES ST. - F. ARIDEL ST. STA. 4+600 - STA. 5+300			



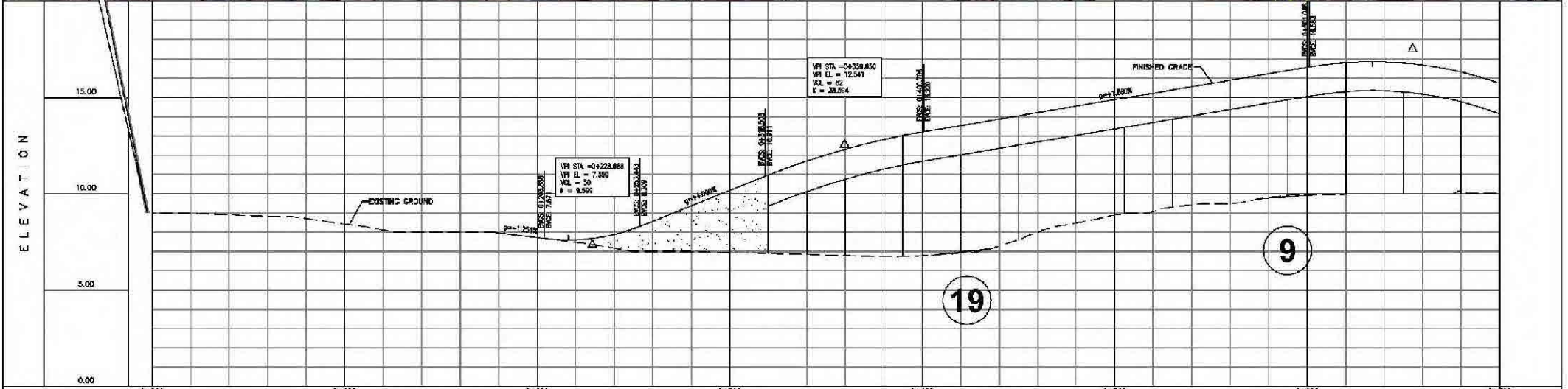
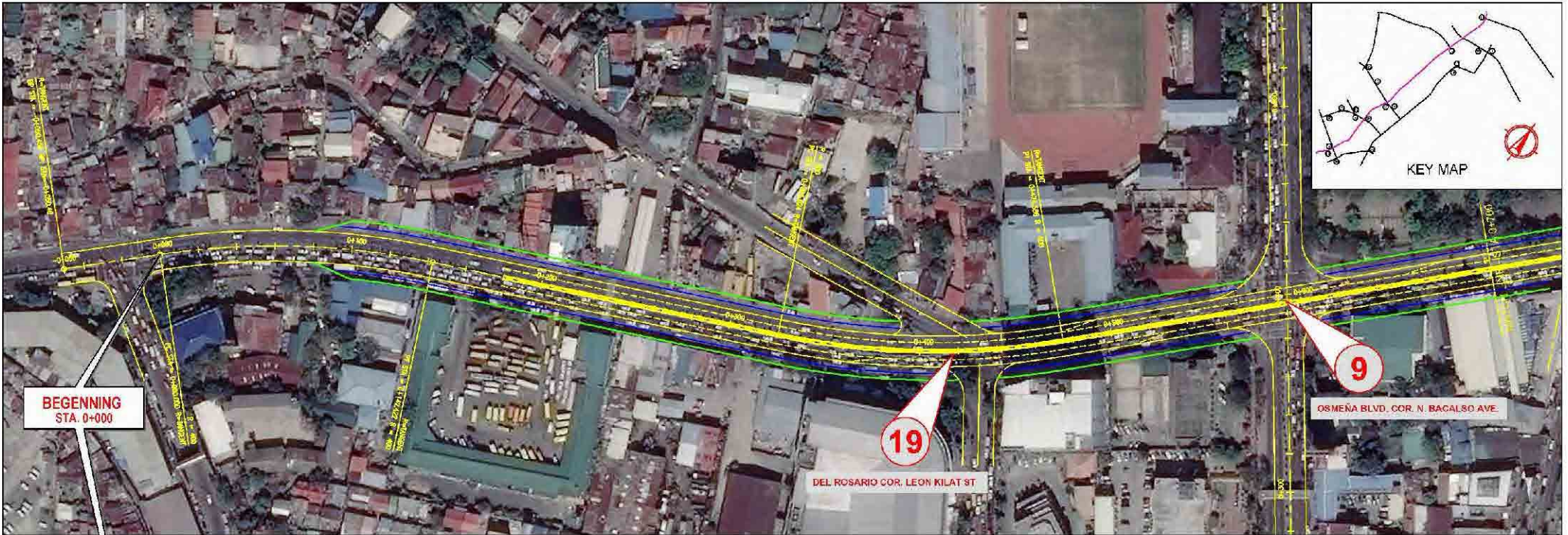
STATION	5+300	5+400	5+500	5+600	5+700	5+800	5+900	5+900
FINISHED GROUND								
EXISTING GROUND	3.341	3.215	3.099	3.232	3.403	3.290	3.000	3.000
	3.000	3.000	3.000	3.000	3.194	3.374	3.633	3.882
	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000
	4.108	4.234	4.288	5.000	5.000	5.000	5.094	5.402
	5.830	5.884	6.001	6.002	6.232	6.451	6.635	6.827
DESIGNED:	SUBMITTED:		DRAWN/PROJ. DATA PLOT:		SITE/NOVEMBER:		SCALE:	
<p>INTERCHANGE 10, 15, 14 &amp; 1            SERGE OSMEÑA BLVD. - C. JURINO AVE.            J.L. BRIONES ST. - F. ARIDEL ST.            STA. 5+300 - STA. 5+000</p>								



STATION	64+000	64+100	64+200	64+300	64+400	64+500	64+600
FINISHED GROUND		8.416	8.416	8.416	8.416	8.416	8.416
EXISTING GROUND	8.267	8.490	8.379	8.285	8.116	7.954	7.800

DATE:	DRAWN:	CHECKED:	SCALE:	PROJECT:	DATE:
				INTERCHANGE 10, 15, 14 & 1 SERGE OSMEÑA BLVD., CUIRINO AVE. J.L. BRIONES ST - F. ARIDEL ST. STA. 6+000 - STA. 5+600	

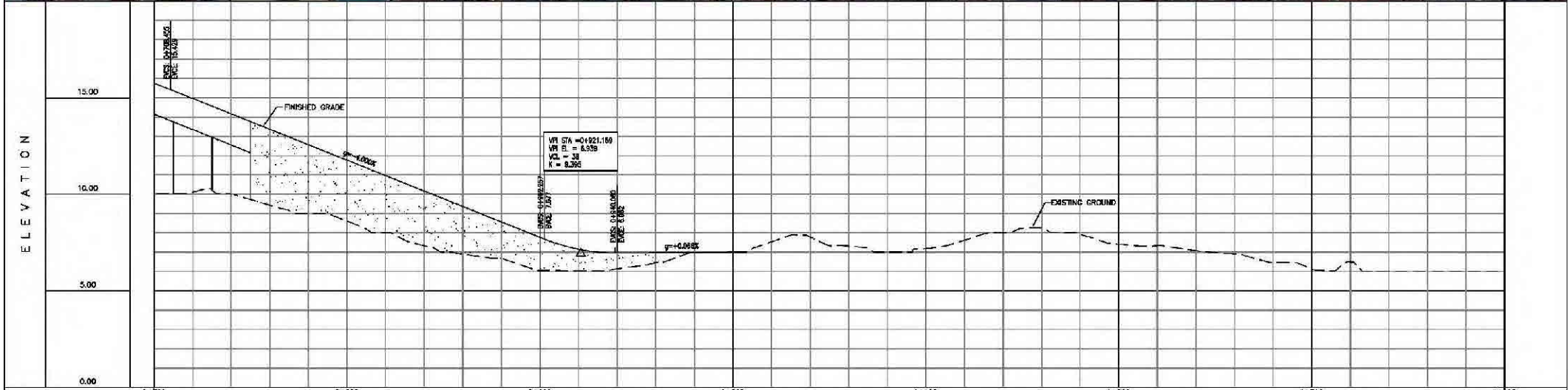


STATION	0+000	0+100	0+200	0+300	0+400	0+500	0+600	0+700
FINISHED GROUND								
EXISTING GROUND	9.000	9.000	8.932	8.822	8.712	8.602	8.492	8.382
			8.178	8.068	7.958	7.848	7.738	7.628
			7.518	7.408	7.298	7.188	7.078	6.968
			6.858	6.748	6.638	6.528	6.418	6.308
			6.198	6.088	5.978	5.868	5.758	5.648
			5.538	5.428	5.318	5.208	5.098	4.988
			4.878	4.768	4.658	4.548	4.438	4.328
			4.218	4.108	3.998	3.888	3.778	3.668
			3.558	3.448	3.338	3.228	3.118	3.008
			2.898	2.788	2.678	2.568	2.458	2.348
			2.238	2.128	2.018	1.908	1.798	1.688
			1.578	1.468	1.358	1.248	1.138	1.028
			0.918	0.808	0.698	0.588	0.478	0.368
			0.258	0.148	0.038	-0.072	-0.182	-0.292

INTERCHANGE 19, 9, 5, 3, 13, 8, 11  
 MUSAVE - M. CUENCO AVE.  
 LOPEZ JAINA ST. - M.C. DR ON 56 ST.  
 STA. 0+300 - STA. 0+700



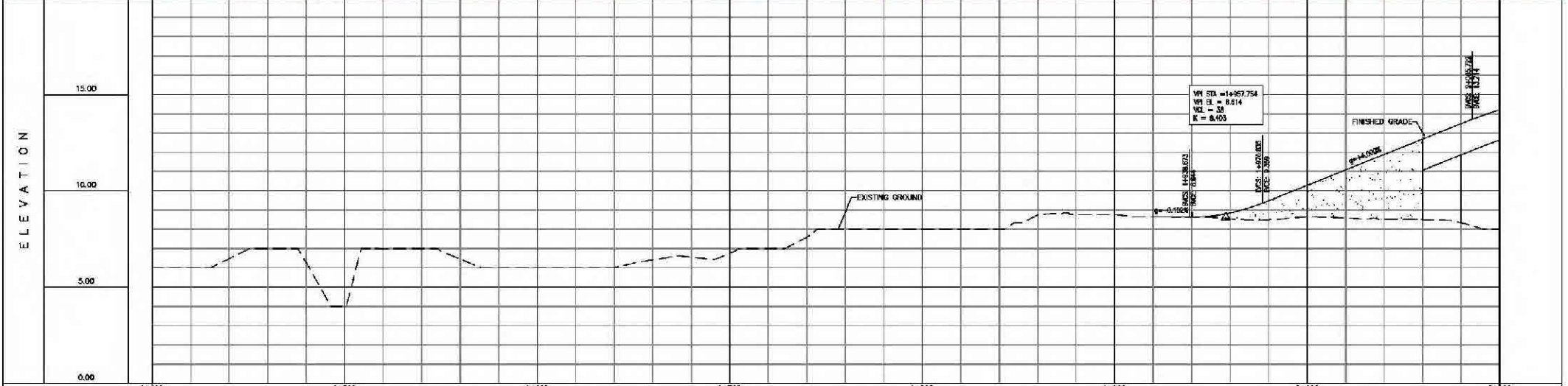
R-01



STATION	0+700	0+800	0+900	14+000	14+100	14+200	14+300	14+400
FINISHED GROUND	10.720	10.807	10.894	10.981	11.068	11.155	11.242	11.329
EXISTING GROUND	10.012	10.105	10.198	10.291	10.384	10.477	10.570	10.663

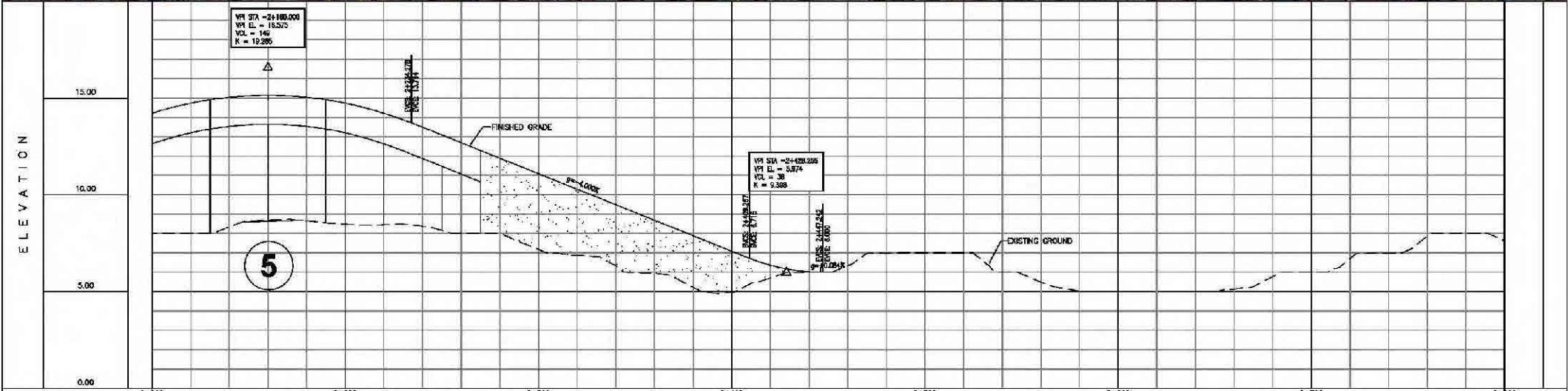
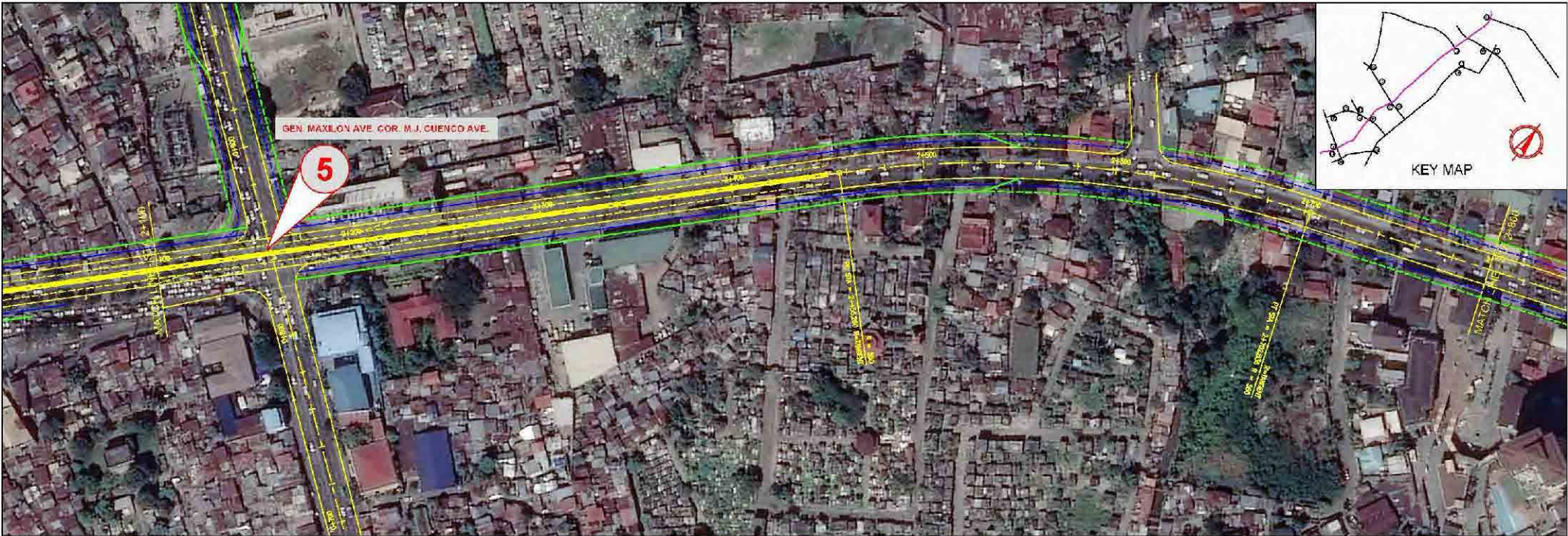
DATE:	DRAWN BY:	CHECKED BY:	SCALE:	PROJECT NO. (SHEET NO.):	SHEET NO. OF TOTAL SHEETS:	DATE:	PROJECT NAME:
							INTERCHANGE 10, 9, 5, 3, 13, 2, 11 IMUS AVE. M., CUENCO AVE. LC PEZ JAINA ST. - M.C. DR ON CS ST. STA. 0+700 - STA. 1+400





STATION	1+400	1+500	1+600	1+700	1+800	1+900	2+000	2+100
FINISHED GROUND								
EXISTING GROUND	8.000	8.002	8.077	7.000	8.266	8.000	8.000	8.000
VERTICAL CURVE DATA	DESIGNED:		SUBMITTED:		DRAWN: PROJ. DATA FOR:		SITE: WORKSHEET:	
<p>INTERCHANGE 19.9 S. 3.13. 2.11  IMUS AVE - M. CUENCA AVE  LOPEZ JAIRA ST. - M.C. BRONCE ST.  STA. 1+400 - STA. 2+100</p>							SCALE:	ENGINEERING:
								R-03

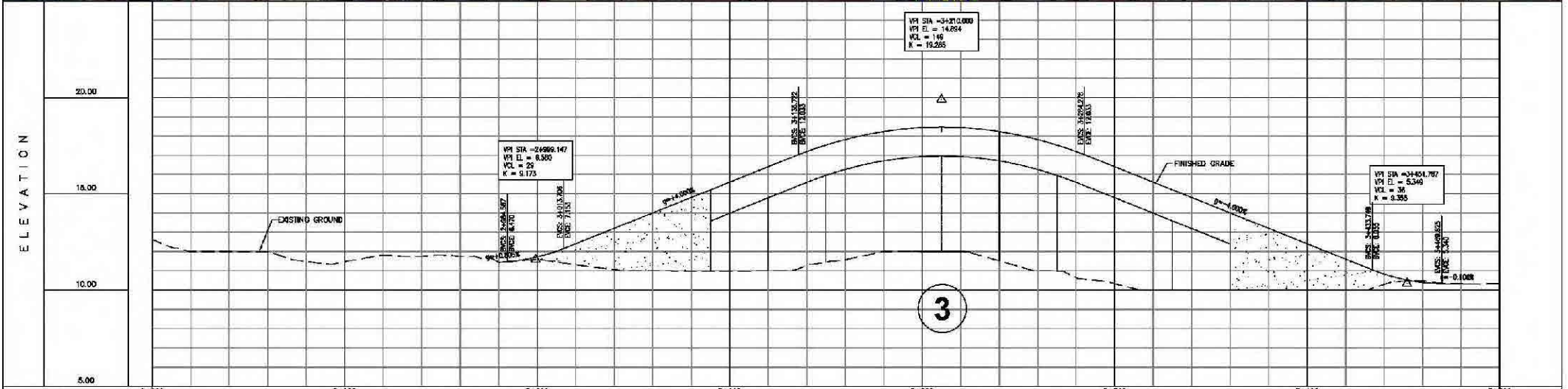
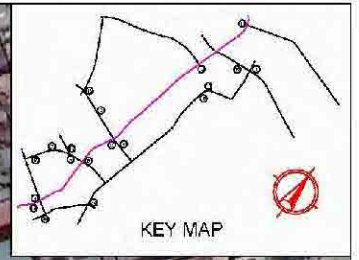




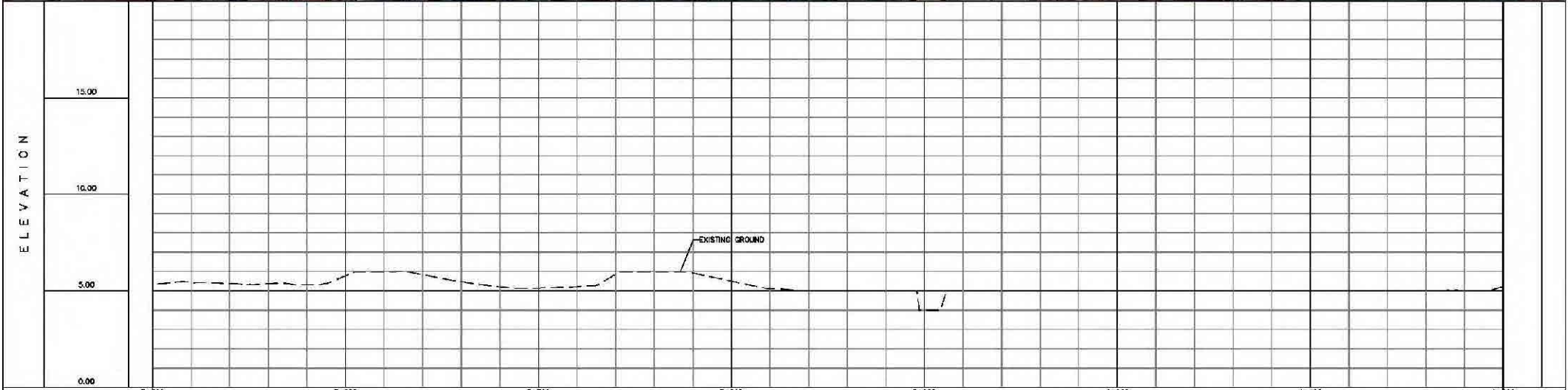
STATION	24+00	24+100	24+200	24+300	24+400	24+500	24+600	24+700	24+800
FINISHED GROUND	8.600	8.622	8.670	8.720	8.770	8.820	8.870	8.920	8.970
EXISTING GROUND	8.339	8.350	8.361	8.372	8.383	8.394	8.405	8.416	8.427

DATE:	DRAWN BY:	CHECKED BY:	DATE:	SCALE:	REVISIONS:	PROJECT NO. (SUA PROJ.):	SHEET ORIENTS:	SCALE:	REVISIONS:
							INTERCHANGE 10, 9, 5, 3, 13, 2, 11 IMUS AVE. M. CUENCO AVE. LC PEZ JAINA ST. - M.C. DR OR CS ST. STA. 2+100 - STA. 2+800		



STATION	24800	24900	34000	34100	34200	34300	34400	34500
FINISHED GROUND			8.445	8.718	7.405	8.985	9.085	9.085
EXISTING GROUND	7.529	7.008	7.000	6.698	6.464	6.725	6.817	6.782



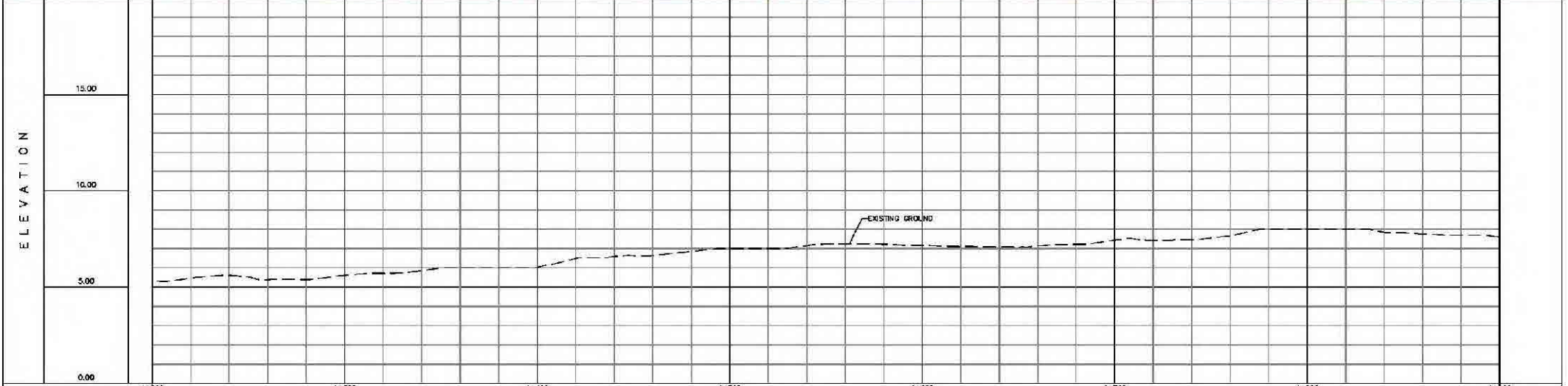
STATION	3+500	3+600	3+700	3+800	3+900	4+000	4+100	4+200
FINISHED GROUND								
EXISTING GROUND	5.26	5.47	5.39	5.32	5.28	5.24	5.22	5.24

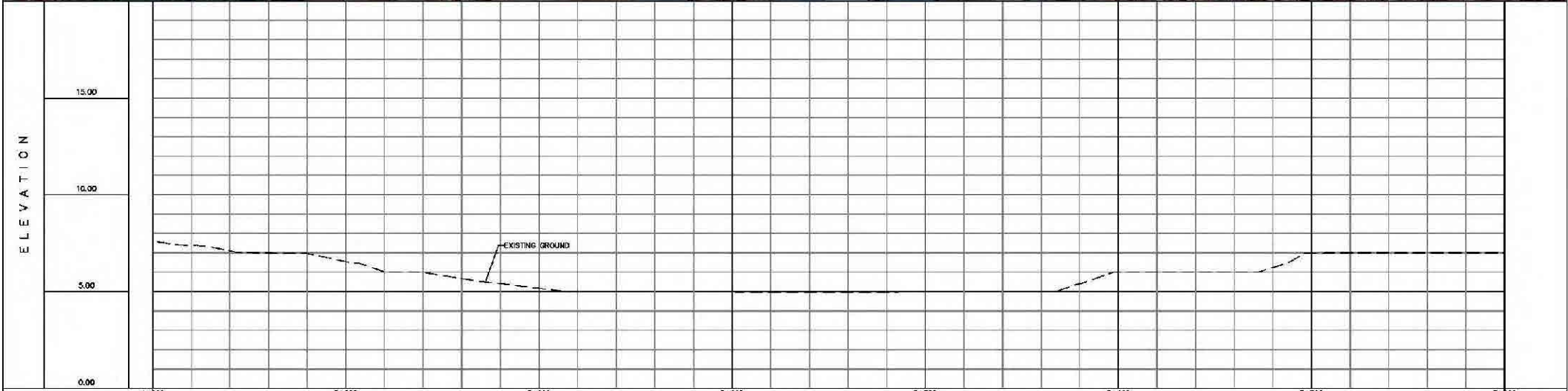
DATE: 10/11/2011	DESIGNED BY: J.A. JAIN	CHECKED BY: J.A. JAIN	SCALE: 1:100	PROJECT NO: 10/11/2011	DATE: 10/11/2011	PROJECT NO: 10/11/2011	SCALE: 1:100
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INTERCHANGE 10, 9, 5, 3, 13, 2, 11  
 IMUS AVE - M. CUENCO AVE.  
 LC PEZ JAINA ST. - M.C. DR OR CS ST.  
 STA: 3+500 - 5+14, 4+200



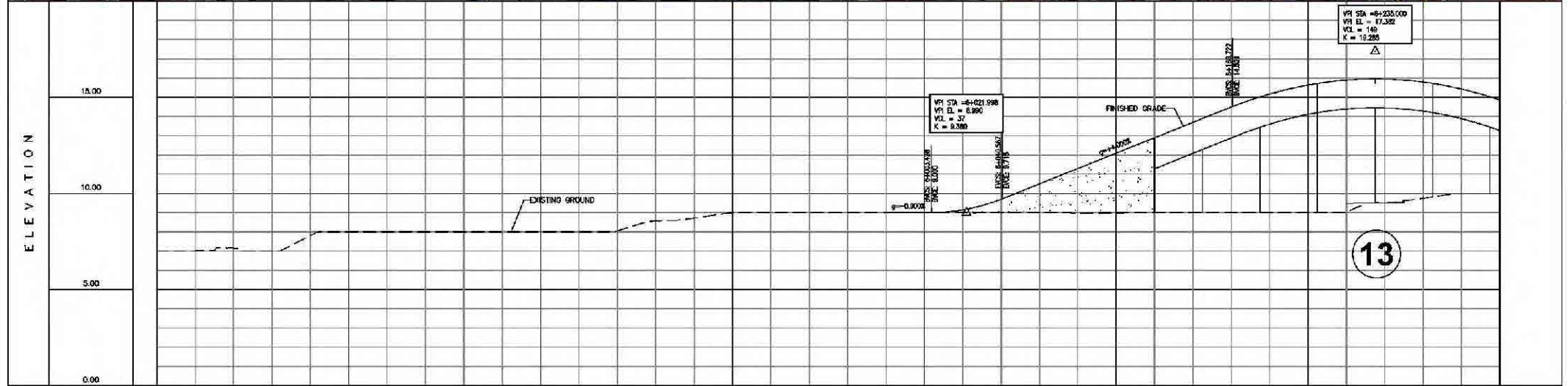
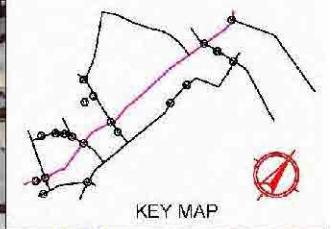


STATION	44+200	44+300	44+400	44+500	44+600	44+700	44+800	44+900																												
FINISHED GROUND																																				
EXISTING GROUND	5.224	5.499	5.570	5.302	5.206	5.008	5.177	5.698	6.000	6.610	6.480	6.505	6.824	6.851	7.000	7.102	7.185	7.211	7.221	7.188	7.116	7.086	7.152	7.214	7.245	7.096	7.442	7.822	7.996	7.887	7.588	7.429	7.276	7.696	7.598	
DATE:	DESIGNED:		SUBMITTED:		DRAWN:		CHECKED:		SCALE:		PROJECT NO.:		SHEET NO.:		TOTAL SHEETS:		PROJECT NAME:		SHEET TITLE:		DATE:		SCALE:		PROJECT NO.:		SHEET NO.:		TOTAL SHEETS:		PROJECT NAME:		SHEET TITLE:		DATE:	
INTERCHANGE 19, 9, 5, 3, 13, & 11 MUSAVE - M. CUENCA AVE. LOPEZ JAINA ST. - M. DRONOS ST. STA. 4+200 - STA. 4+900																		 R-07																		



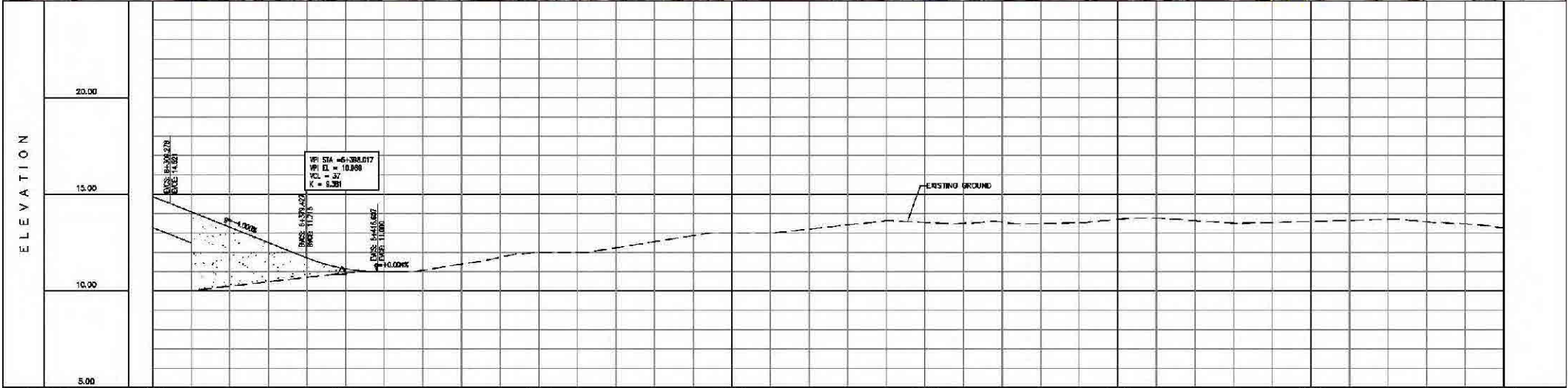
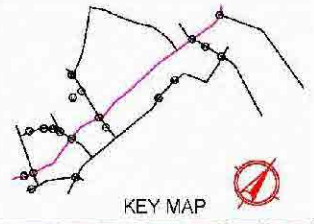
STATION	4+800	4+900	5+000	5+100	5+200	5+300	5+400	5+500	5+600											
FINISHED GROUND																				
EXISTING GROUND	7.268	7.279	7.100	7.001	6.971	6.945	6.920	6.905	6.874	6.848	6.827	6.803	6.780	6.750	6.720	6.700	6.700	6.700	6.700	7.020

DATE: _____	SCALE: _____	PROJECT NO. (SUA PROJ): _____	SHEET NO. (SUA FOL): _____	PROJECT NAME: INTERCHANGE 10, 9, 5, 3, 13, 2, 11, IMUS AVE. - M. CUENCO AVE., LC PEZ JAINA ST. - M.C. DR OR CG ST., STA 4+800 - STA 5+600	
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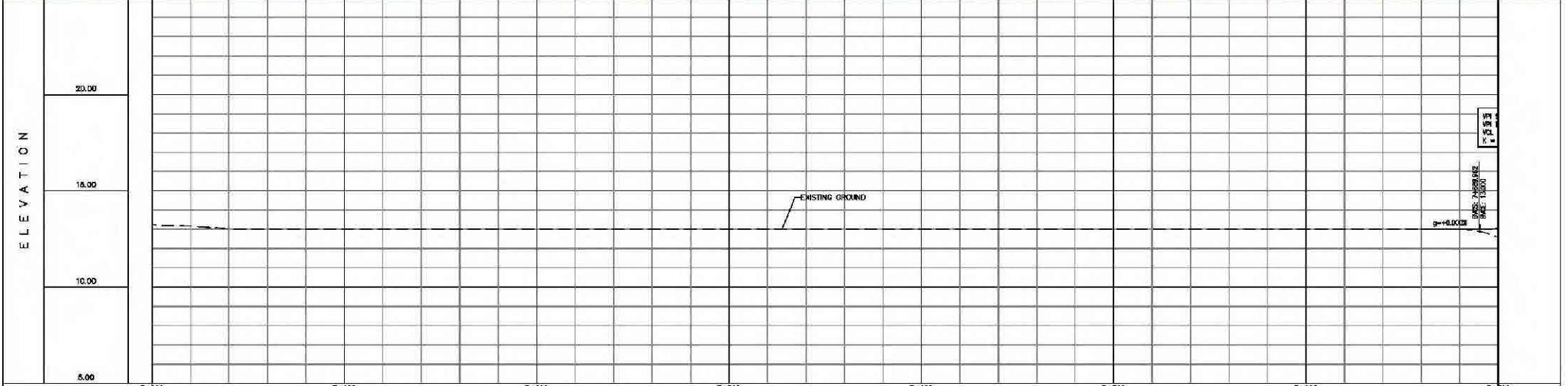
STATION	5+600	5+700	5+800	5+900	6+000	6+100	6+200	6+300	6+400																														
FINISHED GROUND																																							
EXISTING GROUND	7.022	7.028	7.139	7.200	7.267	8.020	8.020	8.030	8.030	8.001	8.001	8.002	8.054	8.429	8.712	9.289	9.700	9.900	9.900	9.900	9.000	9.000	9.337	9.693	9.900	10.483	11.203	12.093	12.893	13.893	14.483	15.108	16.024	16.984	18.045	19.221	20.300	21.427	22.685

WORKSHEET:	JOB NO.:	SHEET NO.:	PROJECT AND LOCATION:	DATE:	DISTRICT:	SCALE:	DESIGNER:
			INTERCHANGE 10, 9, 8, 3, 13 & 11 INUS AVE - M. CUENCO AVE. LOPEZ JAINA ST. - M.C. BRIONES ST. S/A 1300 - S/A 1301				(B-00)



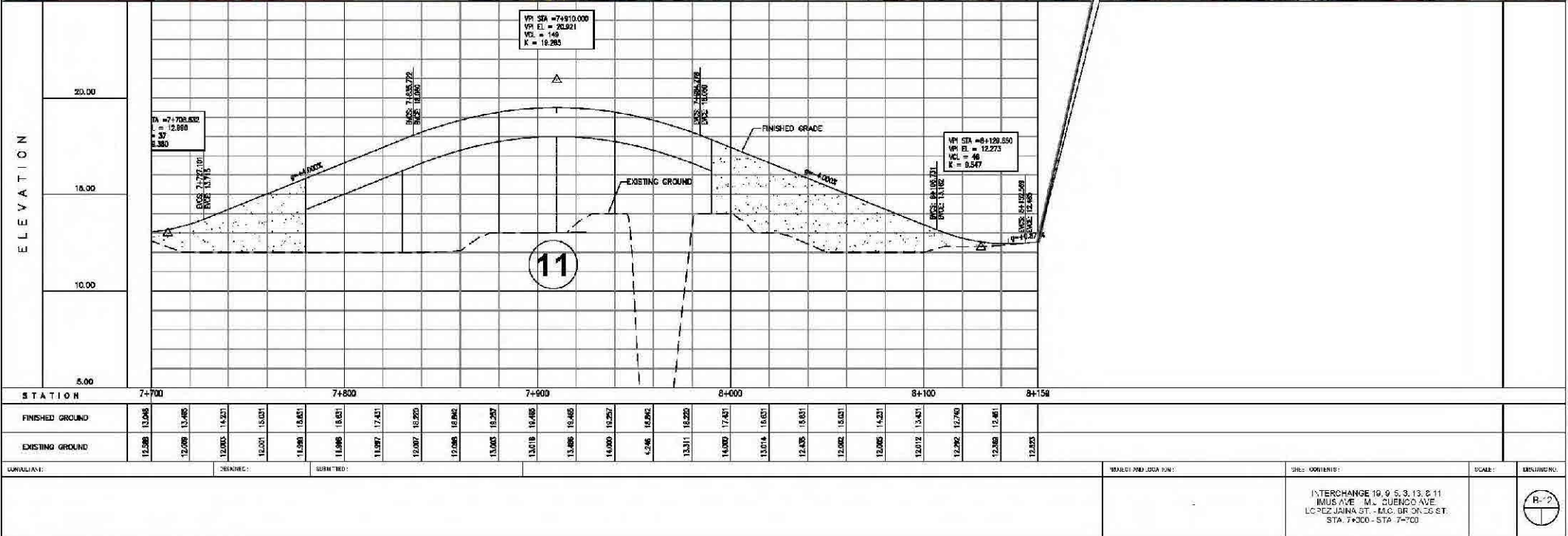
STATION	6+300	6+400	6+500	6+600	6+700	6+800	6+900	7+000
FINISHED GROUND	14.825	14.003	13.293	12.463	11.633	10.811	10.000	9.189
EXISTING GROUND	10.200	10.012	10.026	10.466	10.867	10.811	11.126	11.000

CONSULTANT:	DESIGNED:	SUBMITTED:	PROJECT NO. LOCATION:	SHEET CONTENTS:	SCALE:	ERR/ISSUE:
				INTERCHANGE 19, S. 5.3, 13. & 11 IMUS AVE - M. CUENCO AVE. LC PEZ JAINA ST. - E.C. BR. OR SS ST. STA 6+300 - STA 7+000		B-0



STATION	74+000	74+100	74+200	74+300	74+400	74+500	74+600	74+700
FINISHED GROUND								
EXISTING GROUND	13.54	13.50	13.07	13.00	13.07	13.00	13.00	13.00
DESIGNED:								
SUBMITTED:								
SCALE:								
INTERCHANGE 19.9 S.3.13.2.11 MUSAVE - M. CUENCA AVE. LOPEZ JAINA ST. - M.C. BRONCE ST. S/A. 74300 - S/A. 74700								

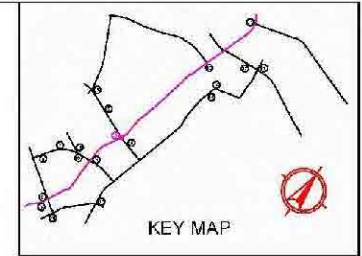
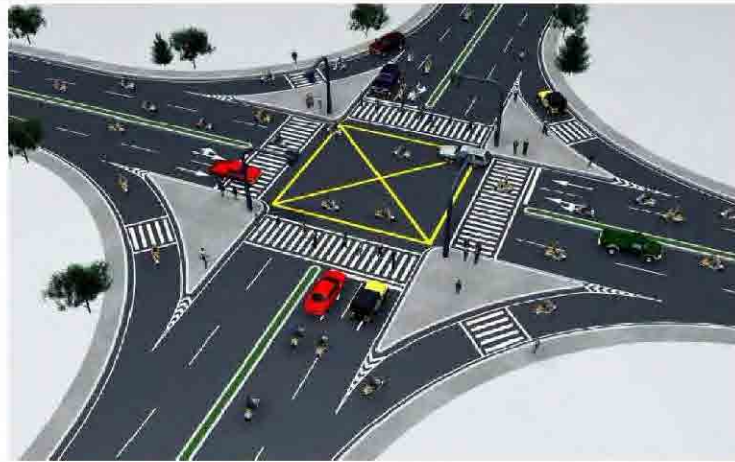




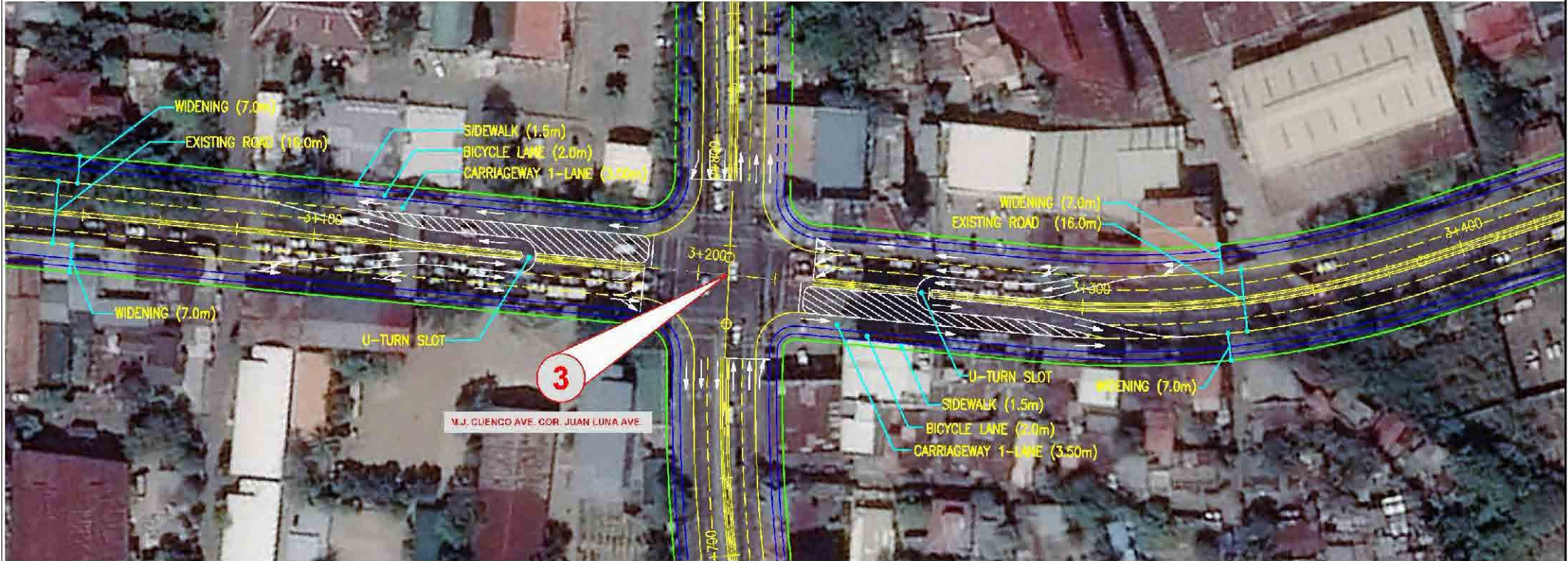
INTERCHANGE 10, 9, 5, 3, 13, 2, 11  
 IMUS AVE. - M.C. CUENCO AVE.  
 LC PEZ JAINA ST. - M.C. DR. OR. CS. ST.  
 STA. 7+300 - STA. 7+700



R-12

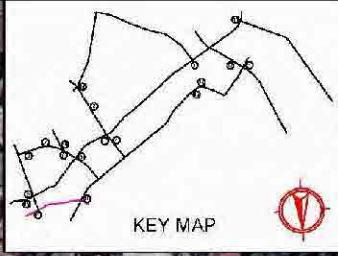


1. THIS DRAWING IS INTERSECTION IMPROVEMENT WITHOUT FLYOVER.



2. THIS DRAWING IS INTERSECTION IMPROVEMENT DETAIL WITH FLYOVER AT M.J. CUENCO AVENUE CORNER JUAN LUNA AVENUE INTERSECTION.

CONSULTANT:	DESIGNED:	DRAWN:	PROJECT AND LOCATION:	SHEET CONTENTS:	SCALE:	DRAWING NO.
				INTERCHANGE No. 3 (FLYOVER) M. J. CUENCO AVE. CORNER JUAN LUNA AVE. STA. 3+210.00		E-13

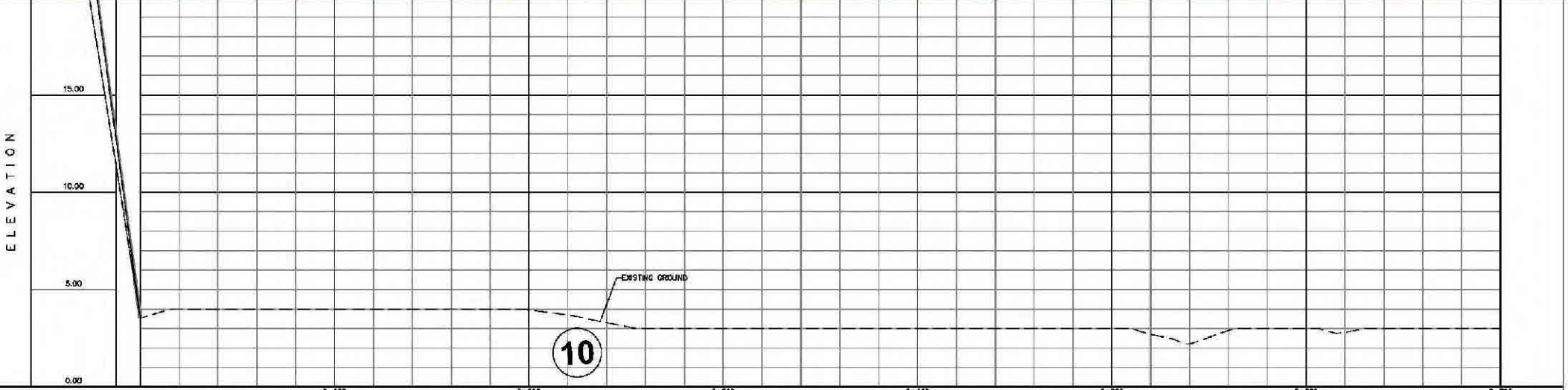


**BEGINNING  
STA. 0+000**

**10**

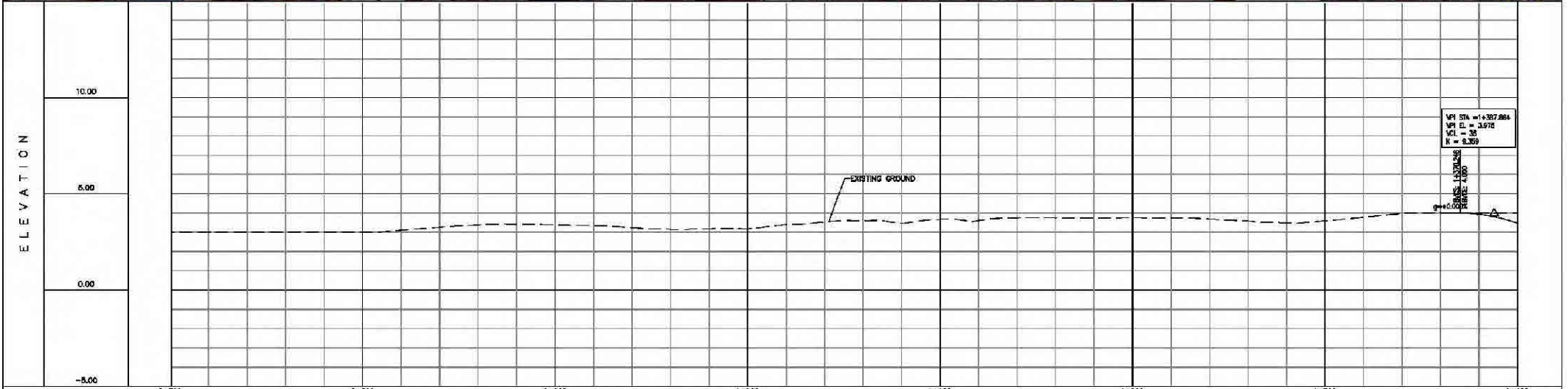
**V. SOTTO ST. COR. C ARELLANO BLVD.**

ELEVATION



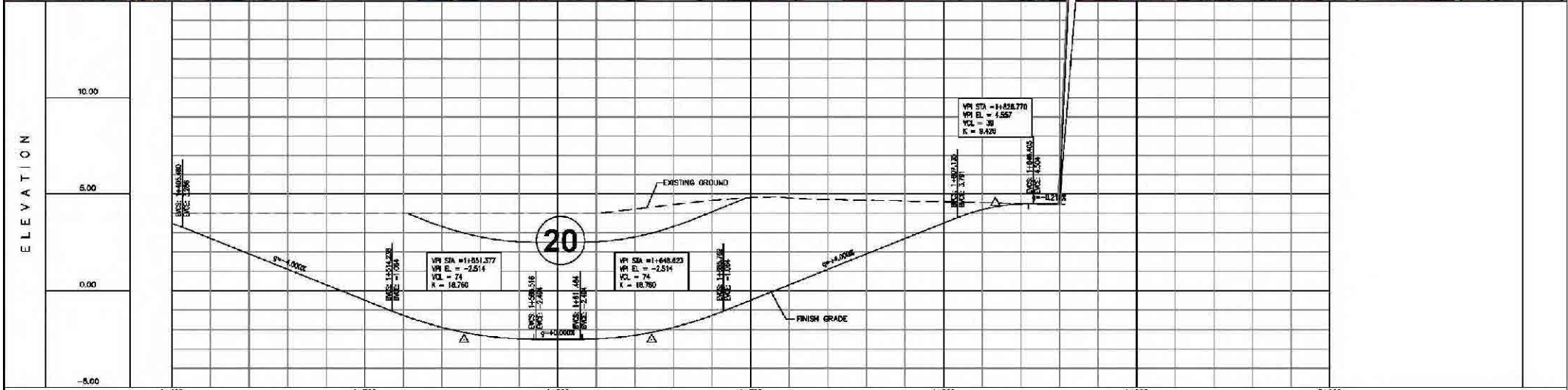
STATION	0+100	0+200	0+300	0+400	0+500	0+600	0+700
FINISHED GROUND							
EXISTING GROUND	4.000	4.000	4.000	4.000	4.000	4.000	4.000
			3.913	3.977	3.977	3.900	3.900
				3.890	3.890	3.890	3.890
					3.800	3.800	3.800
						2.868	2.810
							2.800
							3.000
							3.000
							3.000
							3.000
							3.000
							3.000
							3.000
							3.000

CONSULTANT:	DESIGNED:	ENGINEER:	PROJECT NO. LOCATION:	SHEET CONTENTS:	SCALE:	DRAWING NO.
				INTERCHANGE 10 & 20 V. SOTTO STREET / COLOR STREET S1A, U+000 - S1A, J+700		C-01

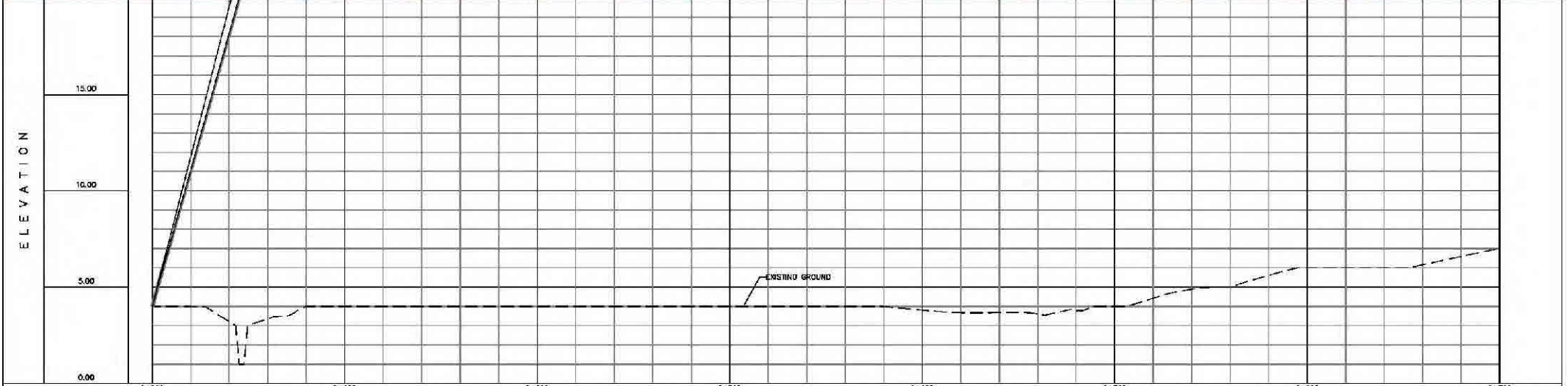


STATION	0+700	0+800	0+900	1+000	1+100	1+200	1+300	1+400
FINISHED GROUND								3.95
EXISTING GROUND	3.001	3.000	3.000	3.000	3.001	3.009	3.027	3.080
	3.119	3.202	3.344	3.533	3.850	3.901	3.945	3.974
	3.982	3.984	3.982	3.977	3.970	3.962	3.959	4.000
	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000
VERTICALE:	DESIGNED:	SUBMITTED:	DATE:	PROJECT:	SCALE:	ENGINEER:	INTERCHANGE 10 & 20 V. SCITTO STREET / COLON STREET STA. 0+700 - STA. 1+400	



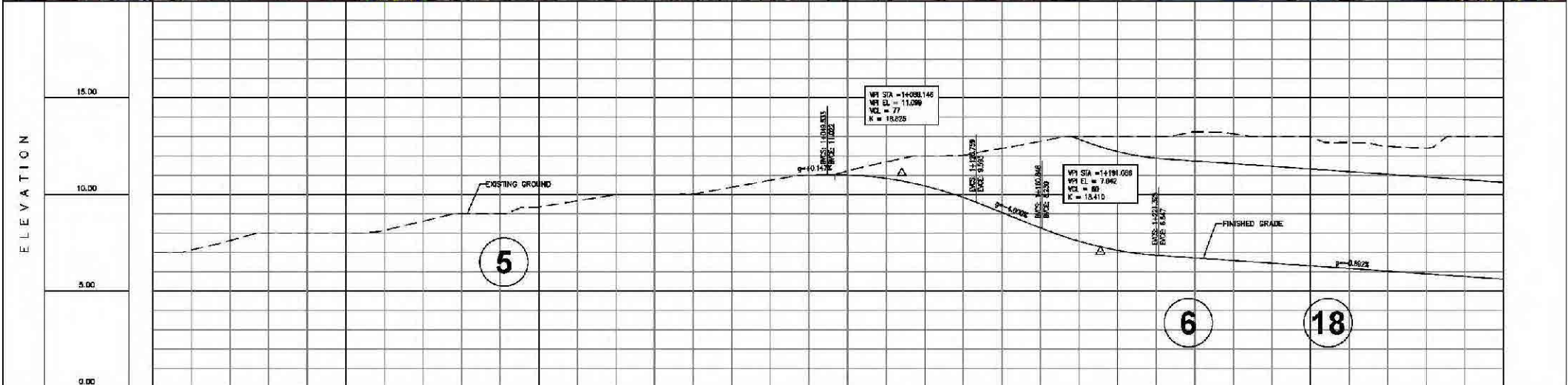


STATION	1+400	1+500	1+600	1+700	1+800	1+900	2+000
FINISHED GROUND	2.766	1.986	1.106	0.266	-0.684	-1.520	-2.400
EXISTING GROUND	4.000	4.000	4.000	4.000	4.000	4.000	4.000



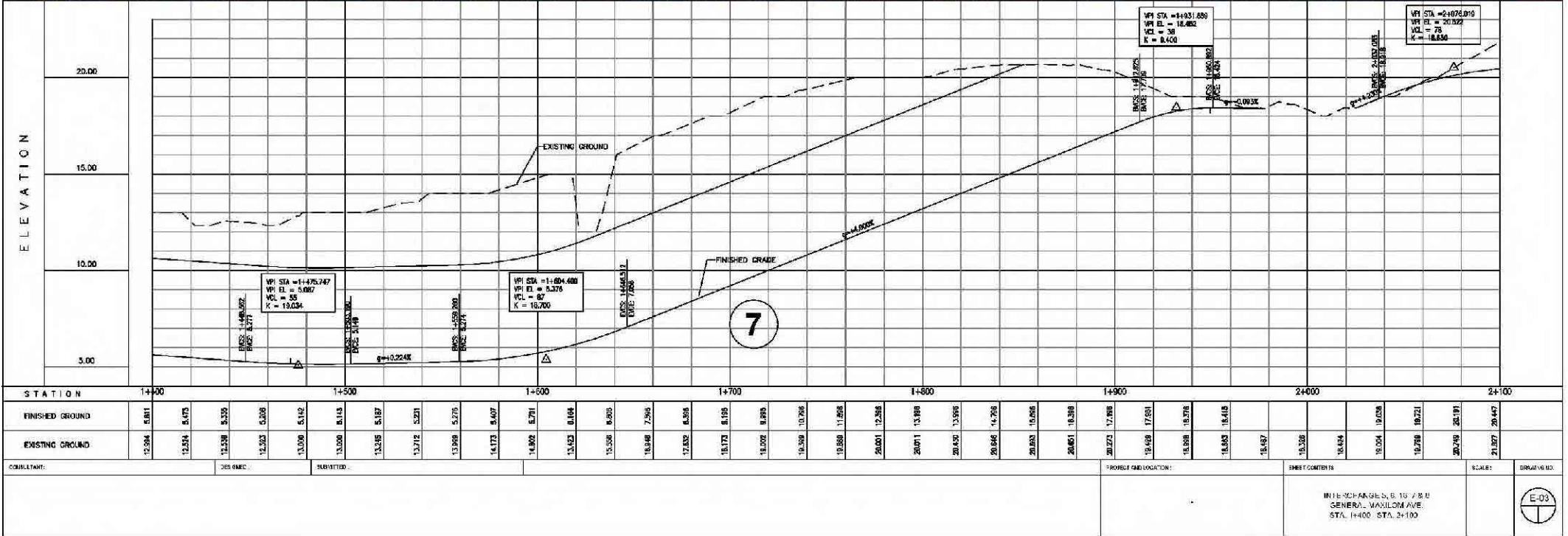
STATION	0+000	0+100	0+200	0+300	0+400	0+500	0+600	0+700																										
FINISHED GROUND																																		
EXISTING GROUND	3.87	3.21	3.22	3.59	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	3.88	3.87	3.84	3.72	3.67	3.68	3.68	3.82	4.01	4.53	4.82	5.08	5.08	6.00	6.00	6.04	6.17	6.57	7.00
DATE:	DESIGNER:	SUBMITTED:	PROJECT NO./LOCALITY:										SITE NO./OWNER:										SCALE:	REVISIONS:										
<p style="text-align: center;">INTERCHANGE 5, 6, 10, 7 &amp; 8            G.L. LOCAL MAX. G.W. ALL            STA. 0+000 - STA. 0+700</p>																																		



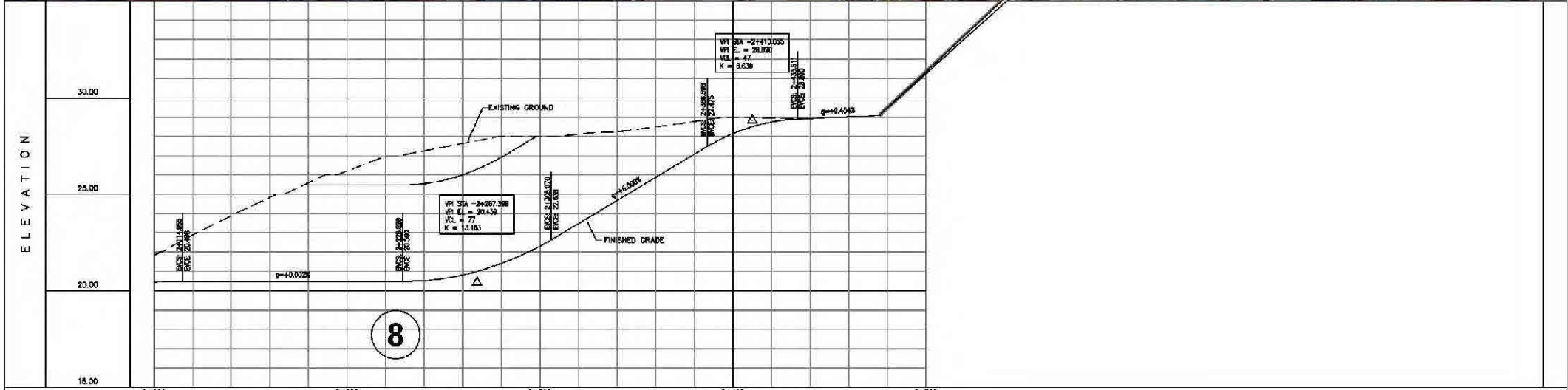
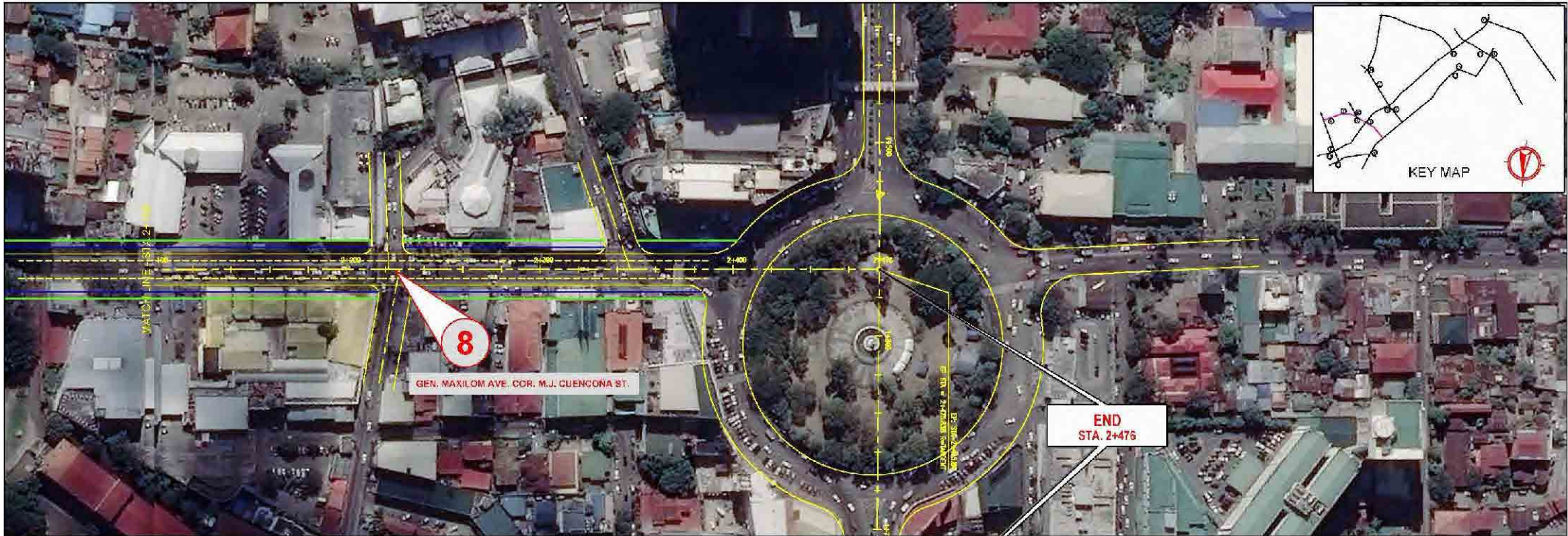


STATION	0+700	0+800	0+900	1+000	1+100	1+200	1+300	1+400																														
FINISHED GROUND	7.961	7.124	7.813	7.993	8.005	8.138	8.317	8.501	8.607	8.832	8.896	8.992	9.094	10.028	10.576	10.771	11.006	11.008	11.014	11.276	10.828	10.447	9.945	9.284	8.284	7.577	7.108	6.925	6.715	6.590	6.441	6.323	6.125	6.105	6.028	6.388	6.759	6.911
EXISTING GROUND	7.961	7.124	7.813	7.993	8.005	8.138	8.317	8.501	8.607	8.832	8.896	8.992	9.094	10.028	10.576	10.771	11.006	11.008	11.014	11.276	10.828	10.447	9.945	9.284	8.284	7.577	7.108	6.925	6.715	6.590	6.441	6.323	6.125	6.105	6.028	6.388	6.759	6.911

CONSULTANT:	DES. NO.:	SUBMITTED:	PROJECT AND LOCATION:	EMBT CONTENTS:	SCALE:	DATE:
			IN: 11-20-2018, P. 6. 10 / 8. 10 GENERAL MAXILOM AVE. STA. 0+700 - STA. 14+400			 E-02







STATION	24+100	24+200	24+300	24+400	24+500
FINISHED GROUND	21.827	22.594	23.091	23.480	23.801
EXISTING GROUND	21.827	22.594	23.091	23.480	23.801

DATE:	DRAWN BY:	CHECKED BY:	SCALE:	REVISIONS:

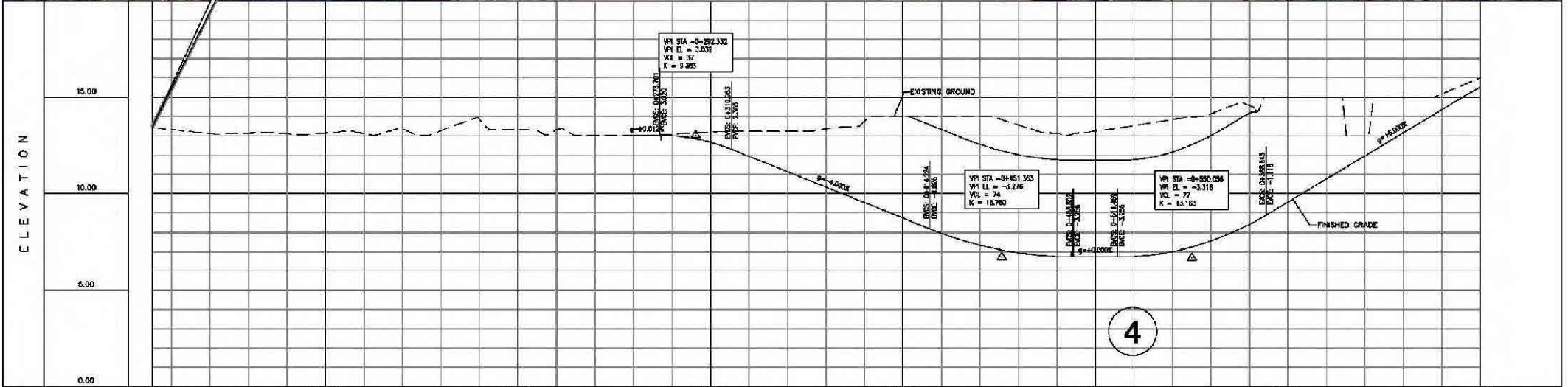
  

PROJECT NO. (SUA 101)		SHEET ORIENTS:		SCALE:	REVISIONS:
		INTERCHANGE 5, 6, 10, 7 & 8 (S.E. LRA) MAX. 10% ADL. STA. 21+100 - STA. 21+476			F-04



**BEGINNING  
STA. 0+000**

**4**  
**JUAN LUNA AVE. COR. A SORIANO AVE.**

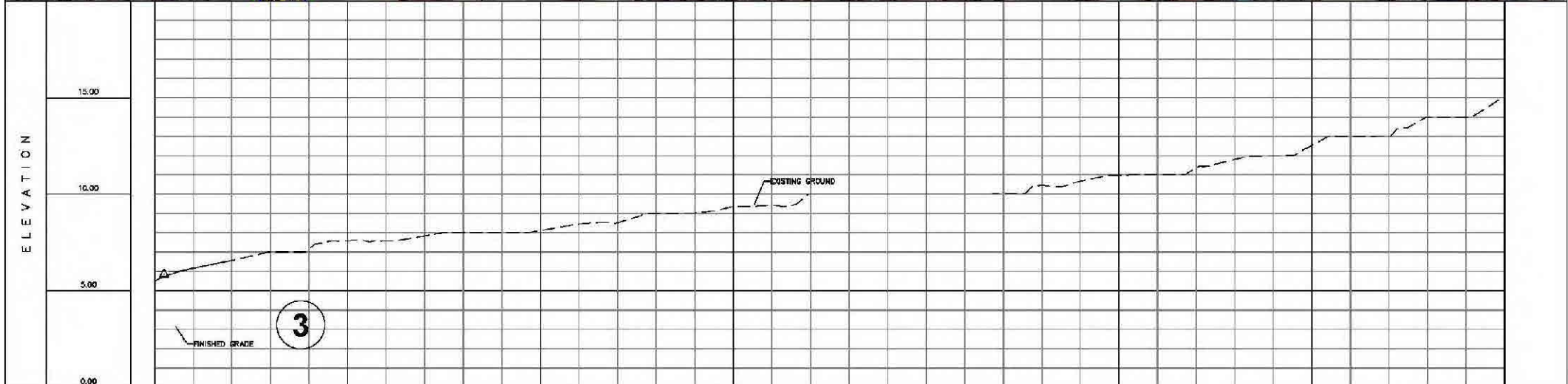
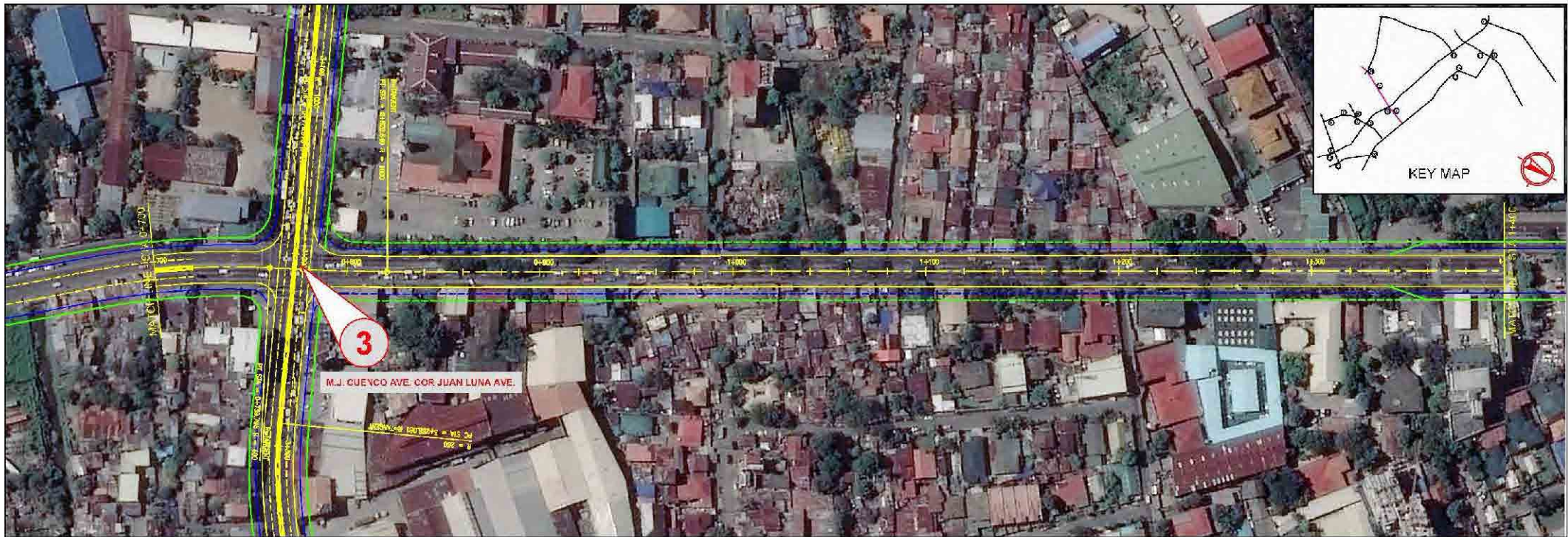


STATION	0+100	0+200	0+300	0+400	0+500	0+600	0+700
FINISHED GROUND							
EXISTING GROUND	3.128	3.333	3.116	3.142	3.103	3.148	3.112
	3.332	2.288	3.359	3.307	3.333	3.016	3.096
	3.072	3.063	3.220	2.669	3.225	1.943	3.223
	1.143	3.338	0.343	3.377	-0.857	4.000	-1.257
	-2.242	4.000	2.655	3.377	-3.055	3.112	-3.241
	3.241	3.330	-3.241	3.330	-3.241	3.330	-3.241
	-2.892	4.147	-2.529	4.355	-1.581	5.000	-0.837
	0.703	2.994	1.993	5.001	3.183	4.118	4.303
	8.000	8.518					

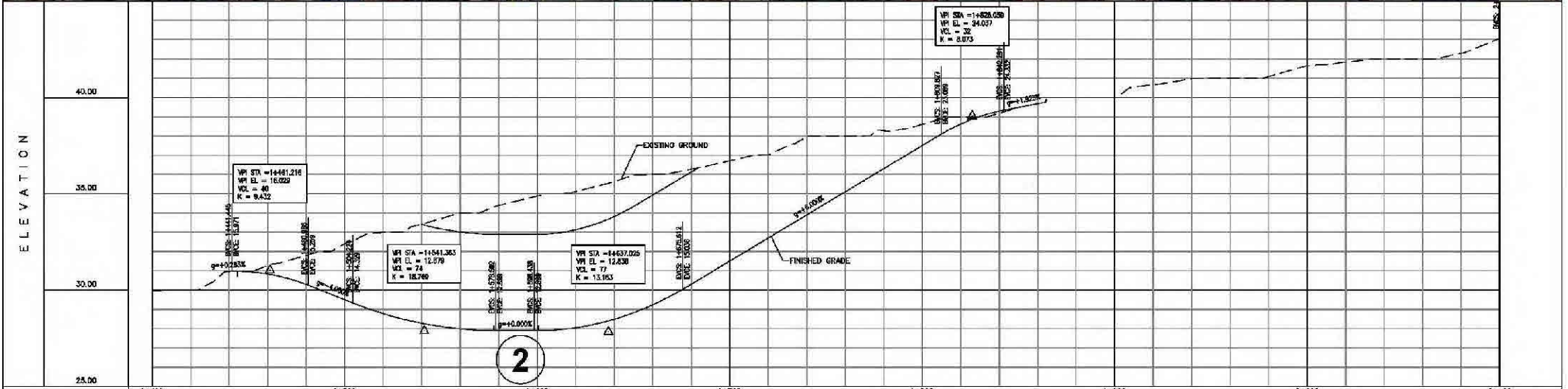
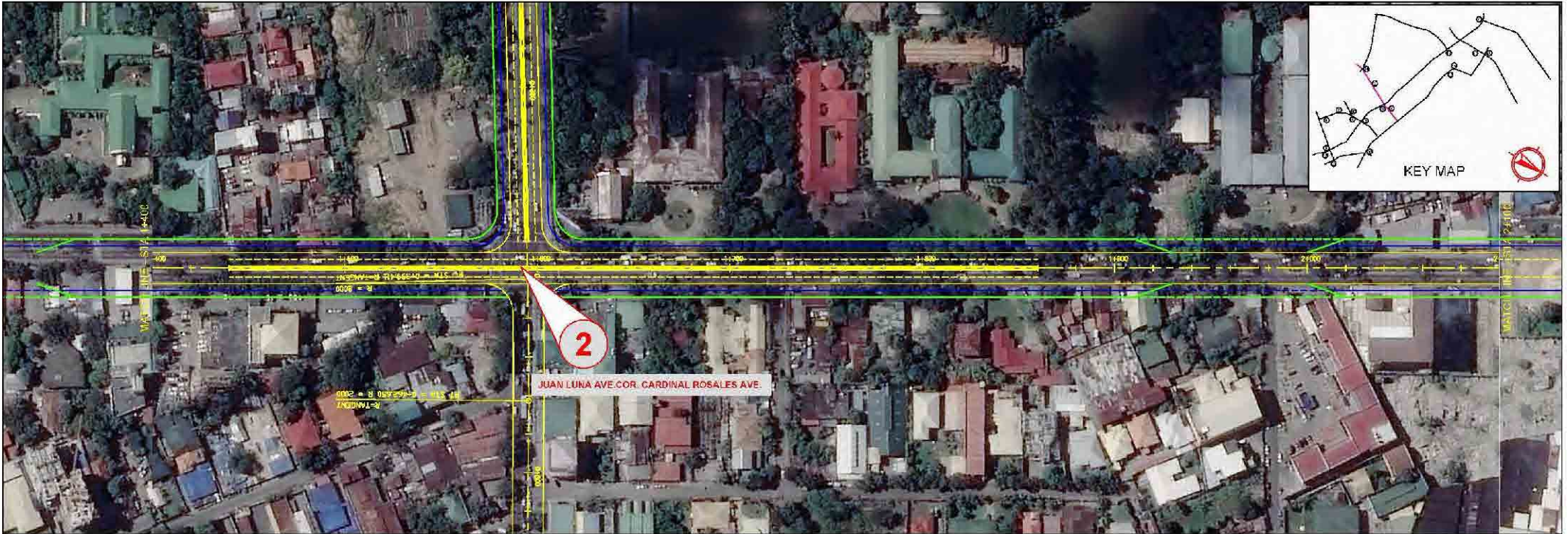
CONSULTANT: \_\_\_\_\_ DESIGNED: \_\_\_\_\_ SUBMITTED: \_\_\_\_\_ PROJECT AND LOCAL CH: \_\_\_\_\_ SHE: CORRIER: \_\_\_\_\_ SCALE: \_\_\_\_\_ DRAWING NO. \_\_\_\_\_

INTERCHANGE 4 3, 2 & 6  
JUAN LUNA AVE. (PROY. JO. IN PAU. II AV)  
STA. 0+000 - STA. 0+700



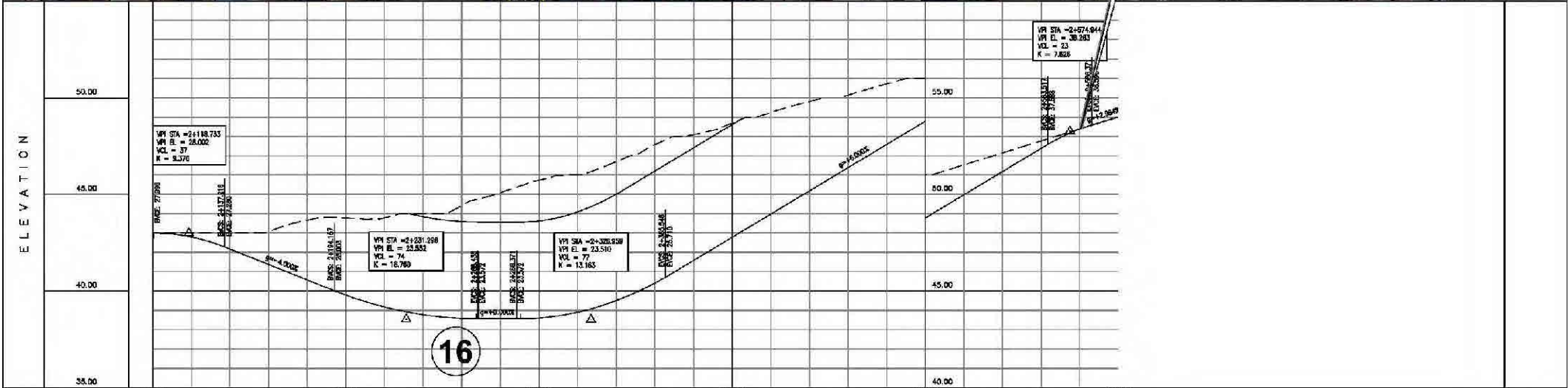
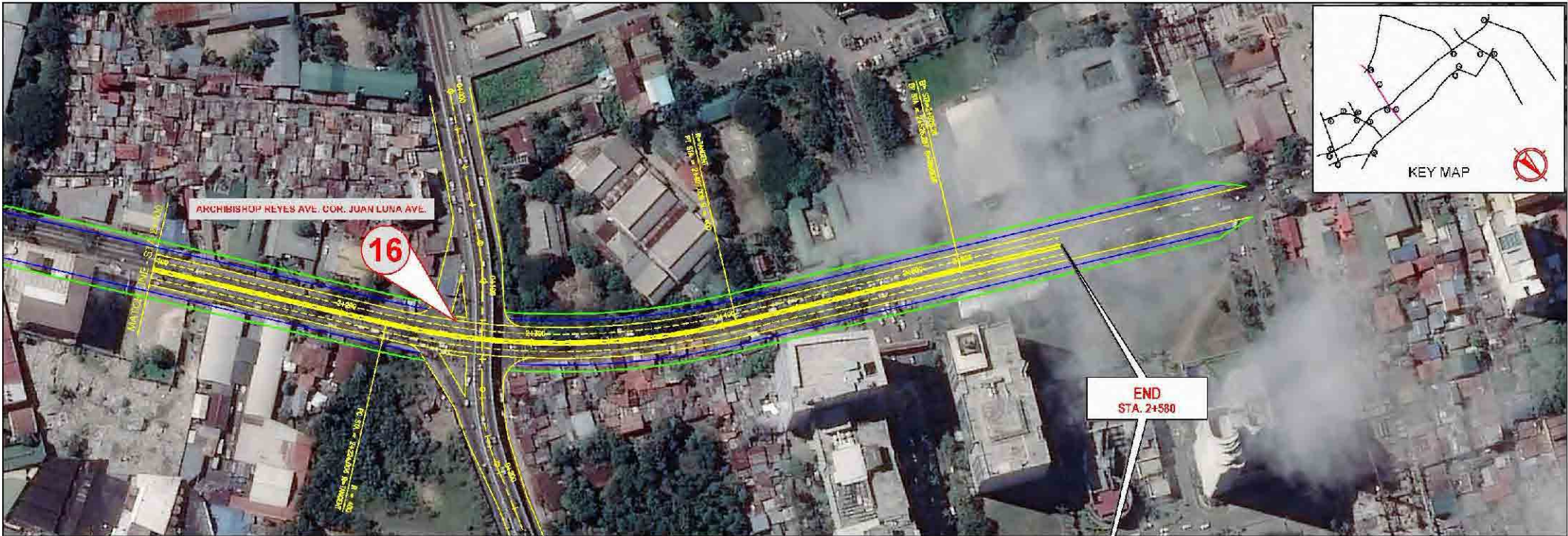


STATION	0+700	0+800	0+900	14+000	14+100	14+200	14+300	14+400
FINISHED GROUND	5.578	6.183						
EXISTING GROUND	6.600	6.183	6.509	7.000	7.176	7.602	7.596	7.937
			8.600	8.602	8.119	8.405	8.927	9.901
					9.422	9.541	9.422	10.000
					10.000	10.000	10.000	10.000
					10.001	10.010	10.060	10.076
					10.963	10.960	11.360	11.360
					11.000	11.396	12.574	12.907
					13.000	13.674	14.001	14.986

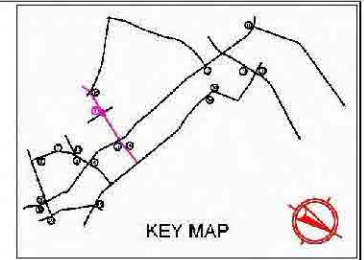
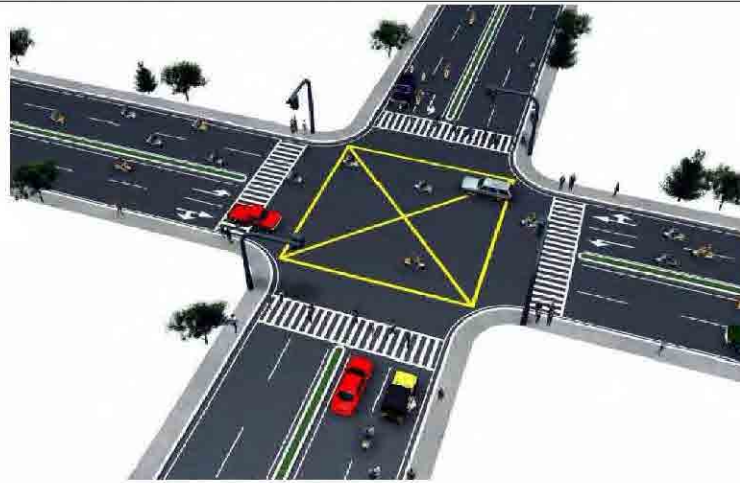


STATION	14400	14500	14600	14700	14800	14900	24000	24100
FINISHED GROUND	14.900	15.905	16.910	17.915	18.920	19.925	20.930	21.935
EXISTING GROUND	14.900	15.905	16.910	17.915	18.920	19.925	20.930	21.935

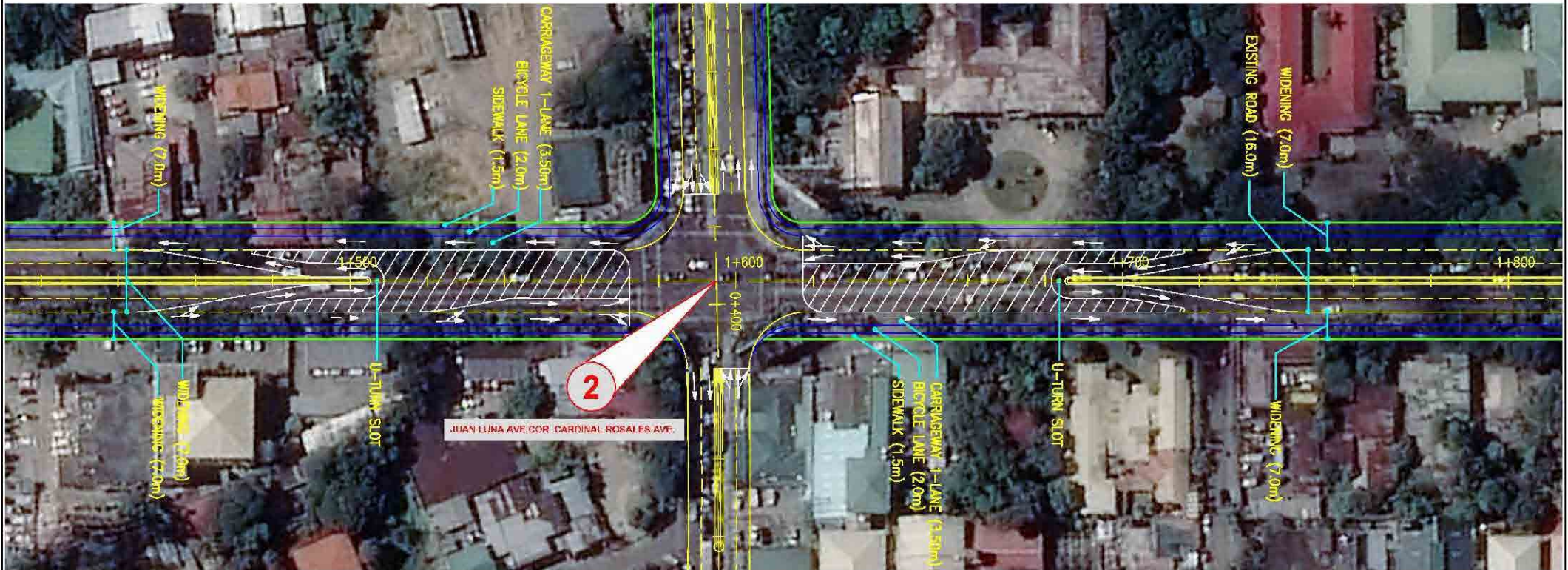
DATE: 08/14/2014	DESIGNED: [Name]	SUBMITTED: [Name]	SCALE: 1"=40'	PROJECT NO: 03-26-03	DATE: 08/14/2014	PROJECT NO: 03-26-03	SCALE: 1"=40'
				N°ERO-ANEXO 1 3.2.6 '0 JUAN LUNA AVE / POPE JOHANN PAUL II AVE STA. 14400 - STA. 24100			



STATION	2+100	2+200	2+300	2+400	2+500	2+600
FINISHED GROUND	27.686	27.795	27.789	28.380	28.681	28.776
EXISTING GROUND	27.686	27.692	27.697	27.699	28.074	28.268



1. THIS DRAWING IS INTERSECTION IMPROVEMENT WITHOUT UNDERPASS.

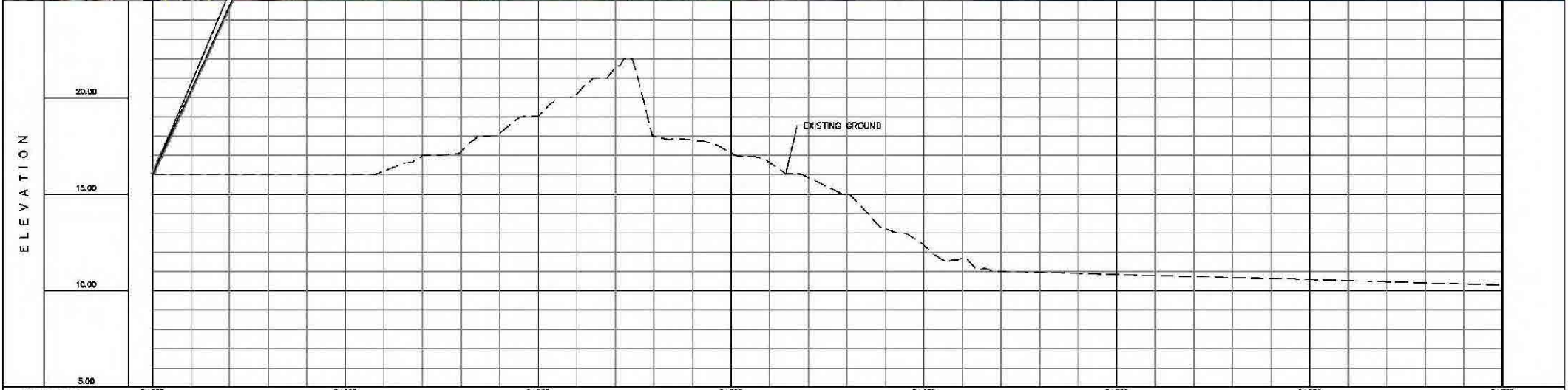
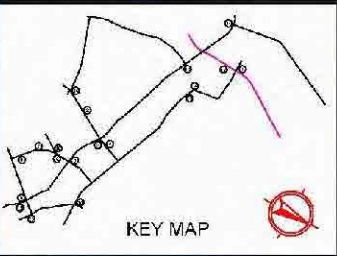


2 THIS DRAWING IS INTERSECTION IMPROVEMENT DETAIL WITH UNDERPASS AT JUAN LUNA AVENUE CORNER A. SORIANO AVENUE INTERSECTION

DATE/TIME	DESIGNER	D. REVISED	PROJECT AND LOCATION	SHEET COMMENTS	SCALE	DRAWING NO.
				MILLCOMING No. 2 UNDERPASS RISEN LINA ROFLE CORNER CARDINAL ROSALES AVENUE STA. 1+552.00		



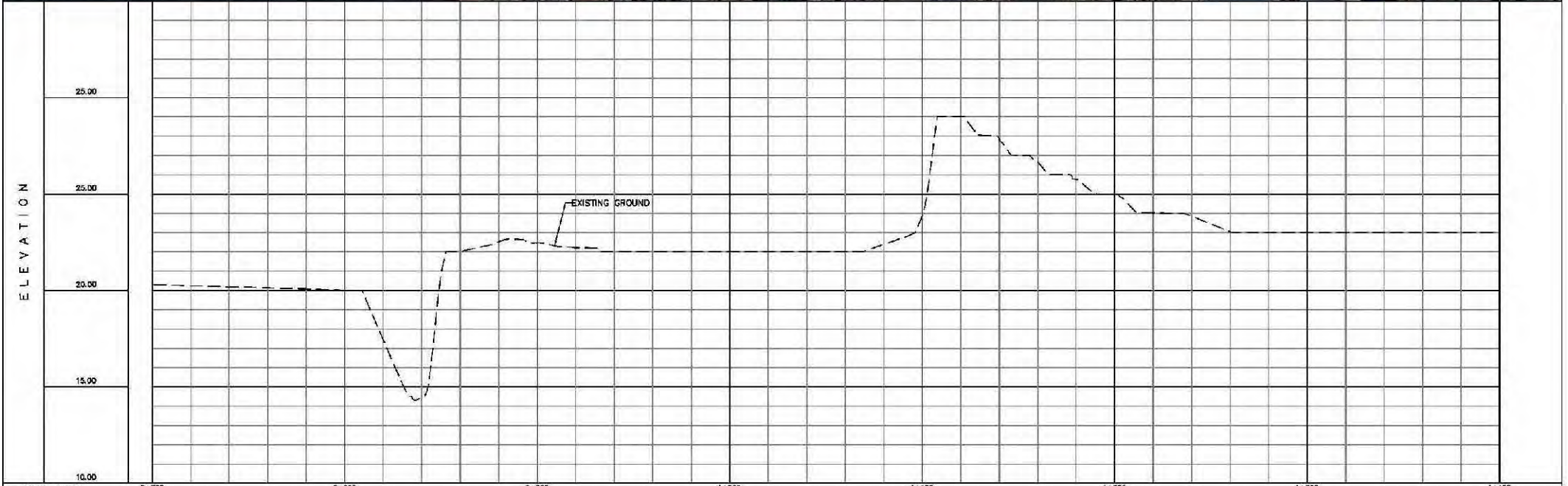
**BEGINNING  
STA. 0+000**



STATION	0+000	0+100	0+200	0+300	0+400	0+500	0+600	0+700																												
FINISHED GROUND																																				
EXISTING GROUND	6.00	6.00	6.00	5.98	5.95	6.00	6.18	7.00	7.21	6.17	6.41	6.20	11.26	7.97	7.76	7.12	6.41	5.62	5.03	3.19	2.39	1.66	1.00	0.47	0.87	0.39	0.26	0.21	0.67	0.83	0.59	0.54	0.40	0.46	0.32	0.26

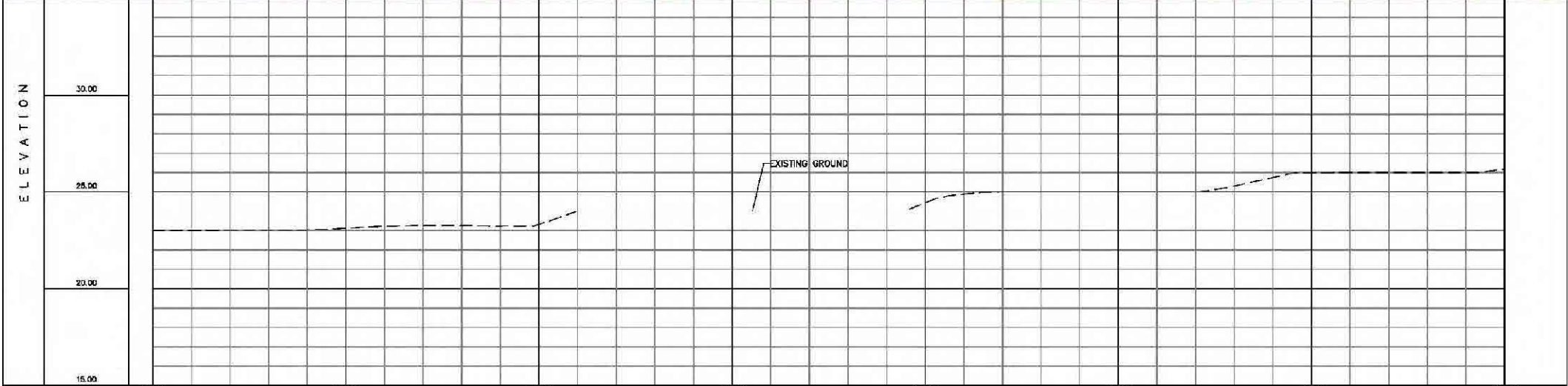
CONSULTANT:	DESIGNED:	SUBMITTED:	PROJECT NO. LOCATION:	SHEET CONTENTS:	SCALE:	DATE/ISSUE:
			INTERCHANGE 1 & 12 A.C. COOKS AVE STA. 0+000 - STA. 0+700			



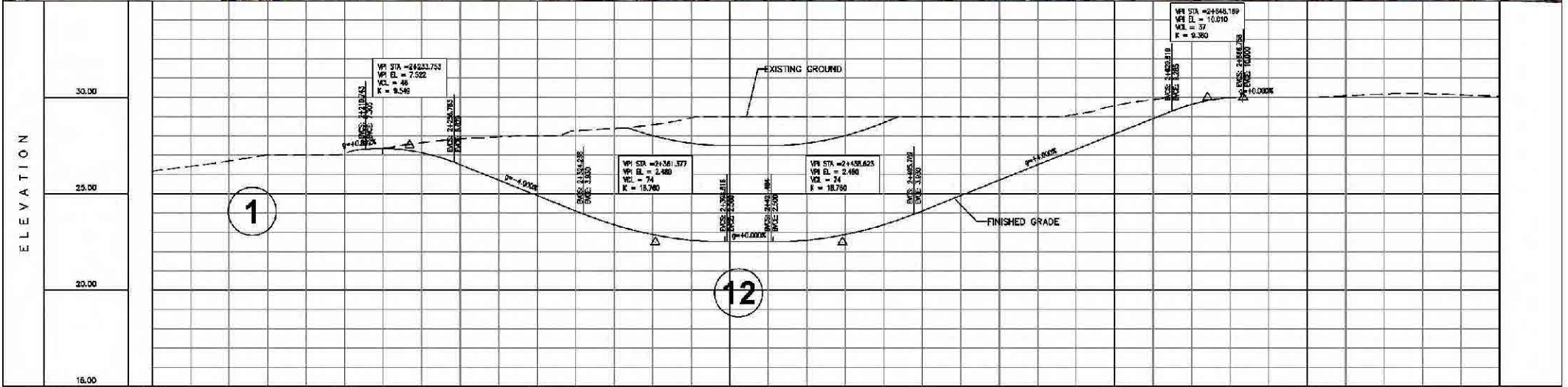


STATION	0+700	0+800	0+900	1+000	1+100	1+200	1+300	1+400																											
FINISHED GROUND																																			
EXISTING GROUND	0.198	0.244	0.190	0.136	0.082	0.029	-0.254	-5.516	2.105	2.320	2.484	2.219	2.000	2.000	2.000	2.000	2.000	2.000	2.388	3.842	9.000	7.837	6.650	5.178	5.005	4.053	3.453	3.245	3.000	3.000	3.000	3.000	3.001	3.002	3.004
CONSULTANT:	DESIGNED:		SUBMITTED:		PROJECT AND LOCATION:		SHEET CONTENTS:		SCALE:		DRAWING:																								
							INTERCHANGE 1 & 12 A.C. CORRIE AVE STA. 0+700 - STA. 1+400																												



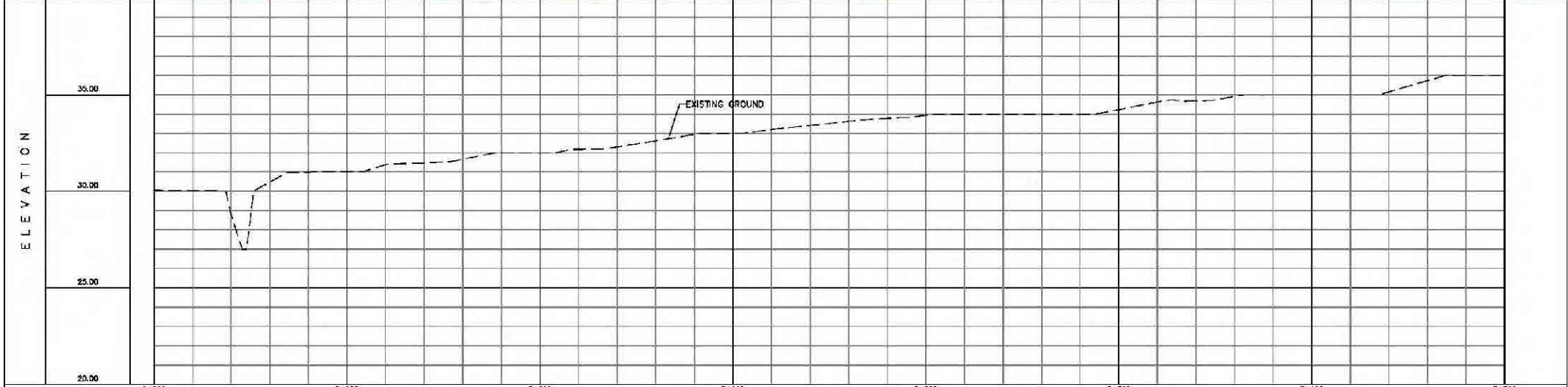
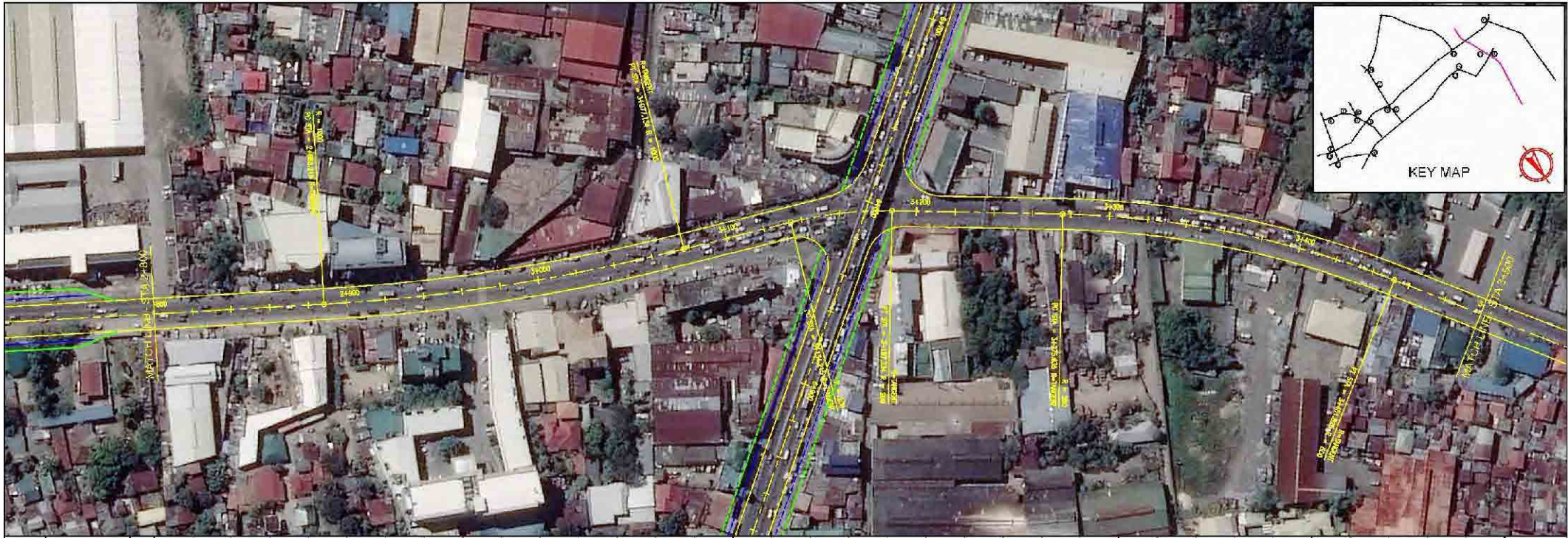


STATION	1+400	1+500	1+600	1+700	1+800	1+900	2+000	2+100	2+200	2+300	2+400																						
FINISHED GROUND																																	
EXISTING GROUND	3.064	3.009	3.078	3.057	3.043	3.121	3.233	3.254	3.287	3.241	3.221	4.008	4.008	4.008	4.008	4.008	4.008	4.008	4.425	4.677	4.991	5.008	5.008	5.008	5.008	5.008	5.246	5.283	5.287	6.008	6.201	6.008	6.175
CONSULTANT:	DESIGNED:		SUBMITTED:		PROJECT AND LOCATION:		SHEET CONTENTS:		SCALE:		DRAWING NO.:																						
							INTERCHANGE - 3 + 2 A.C. CORTES AVE STA. 1+00 - STA. 2+00																										

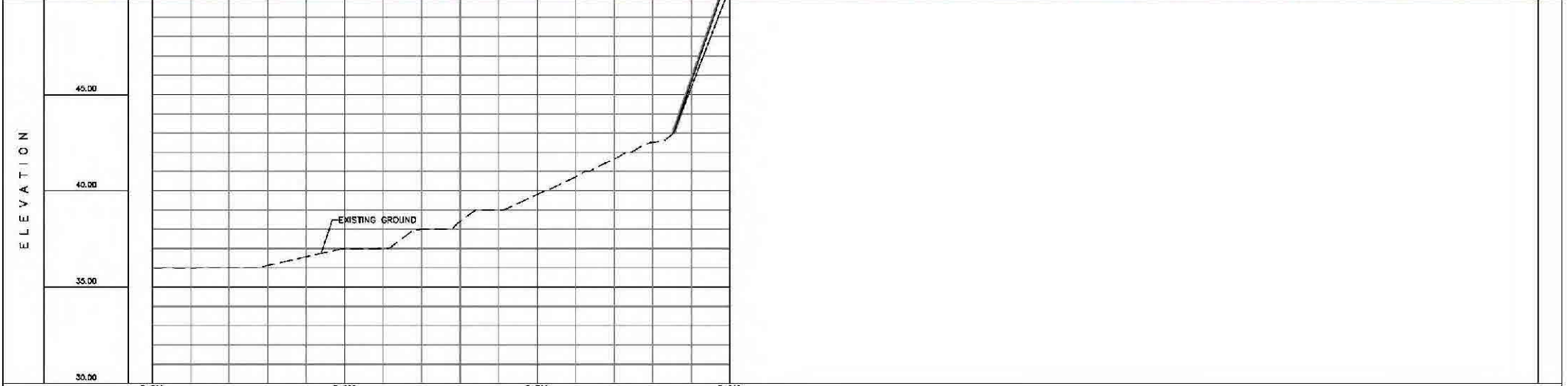


STATION	2+100		2+200		2+300		2+400		2+500		2+600		2+700		2+800	
FINISHED GROUND				7.297	7.182	6.920	6.700	6.600	6.500	6.391	6.275	6.158	6.042	5.925	5.808	5.692
EXISTING GROUND	6.175	6.622	6.884	6.987	7.000	7.164	7.274	7.463	7.653	7.837	8.100	8.001	8.090	8.270	8.100	8.330

CONSULTANT:	DESIGNED:	SUBMITTED:	PROJECT AND LOCATION:	SHEET CONTENTS:	SCALE:	DRAWING NO.
			INTERCHANGE 1 & 12 A.C. CORTES AVE STA. 2+100 - 574, 2+800			J-04



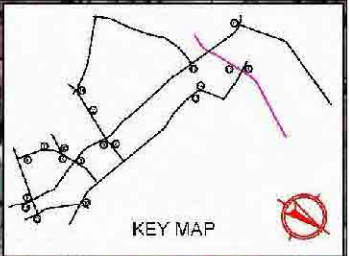
STATION	2+800	2+900	3+000	3+100	3+200	3+300	3+400	3+500																												
FINISHED GROUND																																				
EXISTING GROUND	10.08	10.31	8.79	10.47	10.96	11.06	11.57	11.66	11.82	12.00	12.00	12.17	12.26	12.64	12.64	13.00	13.16	13.67	13.83	13.75	13.39	14.00	14.00	14.00	14.00	14.27	14.31	14.77	14.80	14.99	15.00	15.00	15.19	15.20	15.24	15.91



STATION	3+500	3+600	3+700	3+800
FINISHED GROUND				
EXISTING GROUND	15.381	15.986	16.000	16.125
	16.072	16.986	17.000	17.281
	18.412	19.000	19.600	20.723
	21.646	22.686		

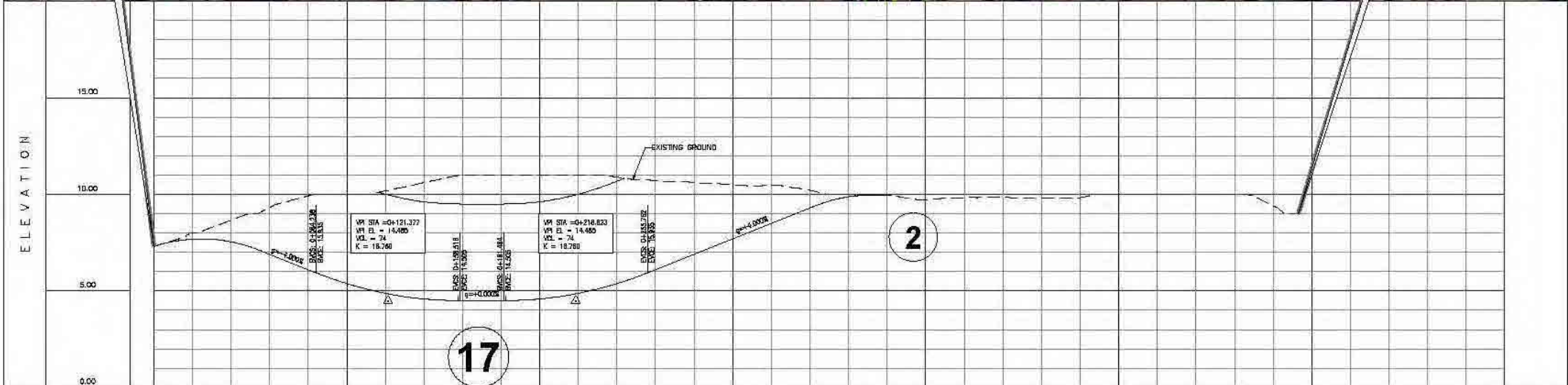
  

DESIGNED:	SUBMITTED:	PROJECT PROPOSAL NO.:	SHEET NO.:	SCALE:	ENGINEER:



INTERCHANGE 1 & 12  
 A.C. CORTES AVE  
 STA. 3+500 - STA. 3+771





STATION	0+000	0+100	0+200	0+300	0+400	0+500	0+600	0+700
FINISHED GROUND	17.304	17.807	18.311	18.815	19.319	19.823	20.327	20.831
EXISTING GROUND	17.304	17.807	18.311	18.815	19.319	19.823	20.327	20.831

CONSULTANT: \_\_\_\_\_ DESIGNER: \_\_\_\_\_ SUBMITTED: \_\_\_\_\_ PROJECT AND LOCATION: \_\_\_\_\_ SHEET CONTENTS: \_\_\_\_\_ SCALE: \_\_\_\_\_ DRAWING NO. **M-01**

INTERO HANOK B2 & 17  
CARDINAL ROSALES AVE.  
STA. 0+000 - STA. 0+693