SUMMARY OF QUANTITIES

ITEM NUMBER	DESCRIPTION	UNIT	ESTIMATED QUANTITY	FINAL QUANTITY
201000	CLEARING AND GRUBBING	ACRE	30.1	
203000	UNCLASSIFIED EXCAVATION	C.Y.	4,618	
203100	BORROW	C.Y.	11,731	
207000	SUBGRADE PREPARATION	S.Y.	105,092	
303210	6" FLEXIBLE BASE	S.Y.	75,754	
407000	ASPHALT MATERIAL FOR TACK COAT	S.Y.	92,165	
409000	AGGREGATE PRIMER	S.Y.	60,163	
423270	HMA SP-IV 2" COMPLETE	S.Y.	149,952	
450060	CONCRETE PAVEMENT-6"	S.Y.	536	
499000	SINGLE PENETRATION 3/8" CHIPSEAL	S.Y.	147,464	
540060	REINFORCING BARS GRADE 60	LB	6,446	
570950	REINSTALLING CULVERT PIPE	L.F.	372	
603220	CHECK DAM TYPE I	L.F.	945	
603281	SWPPP PLAN PREPARATION AND MAINTENANCE	LS	1	
618000	TRAFFIC CONTROL MANAGEMENT	LS	1	
621000	MOBILIZATION	LS	1	
632000	CLASS A SEEDING	ACRE	17.7	
701000	PANEL SIGNS	S.F.	930	
701030	REMOVE AND RESET PANEL SIGN	EACH	2	
701100	STEEL POST AND BASE POST FOR ALUMINIUM PANEL SIGNS	L.F.	1,485	
703002	OBJECT MARKER TYPE 2	EACH	2	
704000	RETROREFLECTORIZED PAINTED MARKINGS 4" (SOLID YELLOW)	L.F.	41,800	
704000	RETROREFLECTORIZED PAINTED MARKINGS 4" (BROKEN YELLOW)	L.F.	17,020	
704000	RETROREFLECTORIZED PAINTED MARKINGS 4" (SOLID WHITE)	L.F.	156,340	
801000	CONSTRUCTION STAKING BY CONTRACTOR	LS	1	
802000	POST CONSTRUCTION PLANS	LS	1	

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INDEX OF SHEETS

SHEET NO.	DESCRIPTION
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1-2	GENERAL NOTES
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1-4	SCHEDULE OF QUANTITIES
1-5	HORIZONTAL ALIGNMENT CONTROL
	SHEET SUBTOTAL-5
	SECTION 2
2-1	TYPICAL SECTIONS
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2-10	STANDARD DRAWINGS
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2-20	SWPPP INFORMATION AND REVEGETATION/EROSION CONTROL PLAN
2-21	TEMPORARY EROSION AND SEDIMENT CONTROL PLAN STA 00+00 TO 29+00
2-22	TEMPORARY EROSION AND SEDIMENT CONTROL PLAN STA 29+00 TO 58+50
2-23	TEMPORARY EROSION AND SEDIMENT CONTROL PLAN STA 58+50 TO 88+00
2-24	TEMPORARY EROSION AND SEDIMENT CONTROL PLAN STA 88+00 TO 117+50
2-25	TEMPORARY EROSION AND SEDIMENT CONTROL PLAN STA 117+50 TO 147+00
2-26	TEMPORARY EROSION AND SEDIMENT CONTROL PLAN STA 147+00 TO 176+50
2-27	TEMPORARY EROSION AND SEDIMENT CONTROL PLAN STA 176+50 TO 206+00
2-28	TEMPORARY EROSION AND SEDIMENT CONTROL PLAN STA 206+00 TO 235+50
2-29	TEMPORARY EROSION AND SEDIMENT CONTROL PLAN STA 235+50 TO 265+00
2-30	TEMPORARY EROSION AND SEDIMENT CONTROL PLAN STA 265+00 TO 294+50
2-31	TEMPORARY EROSION AND SEDIMENT CONTROL PLAN STA 294+50 TO 324+00
2-32	TEMPORARY EROSION AND SEDIMENT CONTROL PLAN STA 324+00 TO 353+50
2-33	TEMPORARY EROSION AND SEDIMENT CONTROL PLAN STA 353+50 TO 383+00
2-34	TEMPORARY EROSION AND SEDIMENT CONTROL PLAN STA 383+00 TO 412+50
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3-2	PLAN AND PROFILE STA 13+75 TO 27+50
3-3	PLAN AND PROFILE STA 27+50 TO 41+25
3-4	PLAN AND PROFILE STA 41+25 TO 55+00
3-5	PLAN AND PROFILE STA 55+00 TO 68+75
3-6	PLAN AND PROFILE STA 68+75 TO 82+50
3-7	PLAN AND PROFILE STA 82+50 TO 96+25
3-8	PLAN AND PROFILE STA 96+25 TO 110+00
3-9	PLAN AND PROFILE STA 110+00 TO 123+75
3-10	PLAN AND PROFILE STA 123+75 TO 137+50
3-11	PLAN AND PROFILE STA 137+50 TO 151+25
3-12	PLAN AND PROFILE STA 151+25 TO 165+00
3-13	PLAN AND PROFILE STA 165+00 TO 178+75
3-14	PLAN AND PROFILE STA 178+75 TO 192+50
3-15	PLAN AND PROFILE STA 192+50 TO 206+25
3-16	PLAN AND PROFILE STA 206+25 TO 220+00
3-17	PLAN AND PROFILE STA 220+00 TO 233+75
3-18	PLAN AND PROFILE STA 233+75 TO 247+50
3-19	PLAN AND PROFILE STA 247+50 TO 261+25
3-20	PLAN AND PROFILE STA 261+25 TO 275+00
3-21	PLAN AND PROFILE STA 275+00 TO 288+75
3-22	PLAN AND PROFILE STA 288+75 TO 302+50
3-23	PLAN AND PROFILE STA 302+50 TO 316+25
3-24	PLAN AND PROFILE STA 316+25 TO 330+00
3-25	PLAN AND PROFILE STA 330+00 TO 343+75
3-26	PLAN AND PROFILE STA 343+75 TO 357+50
3-27	PLAN AND PROFILE STA 357+50 TO 371+25
3-28	PLAN AND PROFILE STA 371+25 TO 385+00
3-29	PLAN AND PROFILE STA 385+00 TO 398+75
3-30	PLAN AND PROFILE STA 398+75 TO 412+50
3-31	PLAN AND PROFILE STA 412+50 TO 416+65
	SHEET SUBTOTAL-31
	SECTION 4
	SHEET SUBTOTAL-NOT USED
	SECTION 5
	SHEET SUBTOTAL-NOT USED
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	SECTION 7
7-1	PERMANENT SIGNING AND STRIPING NOTES
7-2	PERMANENT SIGNING AND STRIPING STA 00+00 TO 29+00
7-3	PERMANENT SIGNING AND STRIPING STA 29+00 TO 58+50
7-4	PERMANENT SIGNING AND STRIPING STA 58+50 TO 88+00
7-5	PERMANENT SIGNING AND STRIPING STA 88+00 TO 117+50
7-6	PERMANENT SIGNING AND STRIPING STA 117+50 TO 147+00
7-7	PERMANENT SIGNING AND STRIPING STA 147+00 TO 176+50
7-8	PERMANENT SIGNING AND STRIPING STA 176+50 TO 206+00
7-9	PERMANENT SIGNING AND STRIPING STA 206+00 TO 235+50
7-10	PERMANENT SIGNING AND STRIPING STA 235+50 TO 265+00
7-11	PERMANENT SIGNING AND STRIPING STA 265+00 TO 294+50
7-12	PERMANENT SIGNING AND STRIPING STA 294+50 TO 324+00
7-13	PERMANENT SIGNING AND STRIPING STA 324+00 TO 353+50
7-14	PERMANENT SIGNING AND STRIPING STA 353+50 TO 383+00
7-15	PERMANENT SIGNING AND STRIPING STA 383+00 TO 412+50
7-16	PERMANENT SIGNING AND STRIPING STA 412+50 TO 416+65
	SHEET SUBTOTAL- 16
	SECTION 8
	SHEET SUBTOTAL-NOT USED
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	SHEET SUBTOTAL-NOT USED
	SECTION 10
	SHEET SUBTOTAL-NOT USED
	SECTION 11
	SHEET SUBTOTAL-NOT USED
	SHEET TOTAL- 74

PETTIGREW & ASSOCIATES PA
ENGINEERING | SURVEYING | TESTING
DEFINING QUALITY SINCE 1965
100 E. Navajo Drive Suite 100 Hobbs New Mexico 88240
T 575 393 9827 F 575 393 1543
Pettigrew.us

JEREMY BAKER NEW MEXICO 16207 LICENSED PROFESSIONAL ENGINEER

10/14/2020

PROJECT ENGINEER: JEREMY BAKER, PE
PROJECT DESIGNER: LAXMI P. PANERU, EI
DRAWN BY: LPP

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	REVISED QUANTITY

SUMMARY OF QUANTITIES AND INDEX OF SHEETS

MARATHON ROAD
CR 27A

LEA COUNTY, NM

PROJECT NUMBER: 2020.1033

SHEET: 1-3

SURFACING SCHEDULE																			
STA:	TO	STA :	DESCRIPTION	LENGTH (FT)	203000-UNCLASSIFIED EXCAVATION (C.Y.)	203100-BORROW (C.Y.)	207000-SUBGRADE		303210-6" FLEXIBLE BASE		407000-TACK COAT		409000-AGGREGATE PRIMER		423270-HMA SP-IV 2"		499000-3/8" CHIPSEAL	
							AVG WIDTH (FT)	AREA (S.Y.)	AVG WIDTH (FT)	AREA (S.Y.)	AVG WIDTH (FT)	AREA (S.Y.)	AVG WIDTH (FT)	AREA (S.Y.)	AVG WIDTH (FT)	AREA (S.Y.)	AVG WIDTH (FT)	AREA (S.Y.)
00+97.23		70+47.29	ROADWAY SECTION 1	6950.06	752.91	797.37	22.88	17668.60	16.48	12726.33	20.00	15444.58	13.06	10085.31	32.54	25128.33	32.00	24711.32
70+47.29		71+96.63	TRANSITION FROM ROADWAY SECTION 1 TO ROADWAY SECTION 2	149.34	23.21	10.81	22.64	375.59	16.35	271.22	20.00	331.87	13.05	216.46	32.54	539.95	32.00	530.99
71+96.63		73+57.48	ROADWAY SECTION 2	160.85	37.89	27.38	22.39	400.16	16.21	289.71	20.00	357.44	13.03	232.88	32.54	581.56	32.00	571.91
73+57.48		74+45.67	TRANSITION FROM ROADWAY SECTION 2 TO ROADWAY SECTION 1	88.19	7.29	12.20	22.64	221.80	16.35	160.16	20.00	195.98	13.05	127.83	32.54	318.86	32.00	313.56
74+45.67		75+33.86	TRANSITION FROM ROADWAY SECTION 1 TO ROADWAY SECTION 3	88.19	3.15	35.78	22.64	221.80	16.35	160.16	20.00	195.98	13.05	127.83	32.54	318.86	32.00	313.56
75+33.86		78+79.92	ROADWAY SECTION 3	346.06	6.23	275.51	22.39	860.92	16.21	623.29	20.00	769.02	13.03	501.02	32.54	1251.20	32.00	1230.44
78+79.92		80+24.45	TRANSITION FROM ROADWAY SECTION 3 TO ROADWAY SECTION 1	144.53	0.72	96.04	22.64	363.49	16.35	262.48	20.00	321.18	13.05	209.49	32.54	522.56	32.00	513.88
80+24.45		147+24.34	ROADWAY SECTION 1	6699.89	252.02	2958.42	22.88	17032.61	16.48	12268.24	20.00	14888.64	13.06	9722.28	32.54	24223.82	32.00	23821.83
147+24.34		148+84.84	TRANSITION FROM ROADWAY SECTION 1 TO ROADWAY SECTION 2	160.50	2.25	96.75	22.64	403.66	16.35	291.49	20.00	356.67	13.05	232.64	32.54	580.30	32.00	570.67
148+84.84		165+60.28	ROADWAY SECTION 2	1675.44	10.72	1528.02	22.39	4168.12	16.21	3017.65	20.00	3723.20	13.03	2425.66	32.54	6057.65	32.00	5957.12
165+60.28		167+33.06	TRANSITION FROM ROADWAY SECTION 2 TO ROADWAY SECTION 1	172.78	1.70	105.30	22.64	434.54	16.35	313.79	20.00	383.96	13.05	250.44	32.54	624.70	32.00	614.33
167+33.06		169+05.84	TRANSITION FROM ROADWAY SECTION 1 TO ROADWAY SECTION 3	172.78	2.31	94.15	22.64	434.54	16.35	313.79	20.00	383.96	13.05	250.44	32.54	624.70	32.00	614.33
169+05.84		185+81.38	ROADWAY SECTION 3	1675.54	8.49	1138.84	22.39	4168.37	16.21	3017.83	20.00	3723.42	13.03	2425.81	32.54	6058.01	32.00	5957.48
185+81.38		187+41.88	TRANSITION FROM ROADWAY SECTION 3 TO ROADWAY SECTION 1	160.50	14.97	43.87	22.64	403.66	16.35	291.49	20.00	356.67	13.05	232.64	32.54	580.30	32.00	570.67
187+41.88		317+28.99	ROADWAY SECTION 1	12987.11	2071.35	1563.70	22.88	33016.12	16.48	23780.84	20.00	28860.24	13.06	18845.74	32.54	46955.62	32.00	46176.39
317+28.99		318+89.49	TRANSITION FROM ROADWAY SECTION 1 TO ROADWAY SECTION 2	160.50	7.63	28.41	22.64	403.66	16.35	291.49	20.00	356.67	13.05	232.64	32.54	580.30	32.00	570.67
318+89.49		326+23.62	ROADWAY SECTION 2	734.13	44.00	172.54	22.39	1826.35	16.21	1322.25	20.00	1631.40	13.03	1062.86	32.54	2654.29	32.00	2610.24
326+23.62		327+84.12	TRANSITION FROM ROADWAY SECTION 2 TO ROADWAY SECTION 1	160.50	78.02	12.38	22.64	403.66	16.35	291.49	20.00	356.67	13.05	232.64	32.54	580.30	32.00	570.67
327+84.12		329+44.62	TRANSITION FROM ROADWAY SECTION 1 TO ROADWAY SECTION 3	160.50	193.25	12.71	22.64	403.66	16.35	291.49	20.00	356.67	13.05	232.64	32.54	580.30	32.00	570.67
329+44.62		336+98.28	ROADWAY SECTION 3	753.66	149.70	205.38	22.39	1874.94	16.21	1357.43	20.00	1674.80	13.03	1091.13	32.54	2724.90	32.00	2679.68
336+98.28		338+58.78	TRANSITION FROM ROADWAY SECTION 3 TO ROADWAY SECTION 1	160.50	19.28	18.05	22.64	403.66	16.35	291.49	20.00	356.67	13.05	232.64	32.54	580.30	32.00	570.67
338+58.78		414+58.69	ROADWAY SECTION 1	7599.91	597.70	1728.25	22.88	19320.66	16.48	13916.28	20.00	16888.69	13.06	11028.31	32.54	27477.90	32.00	27021.90
414+58.69		415+08.22	TRANSITION FROM ROADWAY SECTION 1 TO ROADWAY SECTION 4	49.53	11.67	1.00	22.44	123.49	16.24	89.37	20.00	110.07	13.03	71.71	32.52	178.97	32.00	176.11
415+16.19		415+65.73	TRANSITION FROM ROADWAY SECTION 4 TO ROADWAY SECTION 1	49.54	15.88	0.00	22.44	123.52	16.24	89.39	20.00	110.09	13.03	71.72	32.52	179.00	32.00	176.14
415+65.73		415+79.19	ROADWAY SECTION 1	13.46	3.31	0.00	22.88	34.22	16.48	24.65	20.00	29.91	13.06	19.53	32.54	48.67	32.00	47.86
TOTAL					4315.65	10962.87		105091.8		75753.8		92164.45		60162.29		149951.35		147463.09
PROJECT USE					4618	11731		105092		75754		92165		60163		149952		147464

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704000-RETROREFLECTORIZED PAINTED MARKING 4" (SOLID WHITE)						
STATION	OFFSET	TO	STATION	OFFSET	L.F.	REMARKS
00+97.23	12 RT		02+90.00	12 RT	193	4" SOLID WHITE
04+10.00	12 RT		34+63.00	12 RT	3053	4" SOLID WHITE
35+94.00	12 RT		68+53.00	12 RT	3259	4" SOLID WHITE
69+93.00	12 RT		84+14.00	12 RT	1421	4" SOLID WHITE
84+70.00	12 RT		91+86.00	12 RT	716	4" SOLID WHITE
92+56.00	12 RT		94+41.00	12 RT	185	4" SOLID WHITE
95+08.00	12 RT		120+10.00	12 RT	2502	4" SOLID WHITE
121+05.00	12 RT		122+48.00	12 RT	143	4" SOLID WHITE
124+27.00	12 RT		158+50.00	12 RT	3423	4" SOLID WHITE
159+50.00	12 RT		184+37.00	12 RT	2487	4" SOLID WHITE
185+43.00	12 RT		186+55.00	12 RT	112	4" SOLID WHITE
187+42.00	12 RT		188+00.00	12 RT	58	4" SOLID WHITE
188+91.00	12 RT		207+73.00	12 RT	1882	4" SOLID WHITE
209+38.00	12 RT		221+33.00	12 RT	1195	4" SOLID WHITE
223+20.00	12 RT		234+14.00	12 RT	1094	4" SOLID WHITE
235+58.00	12 RT		241+50.00	12 RT	592	4" SOLID WHITE
242+26.00	12 RT		247+38.00	12 RT	512	4" SOLID WHITE
248+35.00	12 RT		259+42.00	12 RT	1107	4" SOLID WHITE
260+44.00	12 RT		269+38.00	12 RT	894	4" SOLID WHITE
270+84.00	12 RT		314+32.00	12 RT	4348	4" SOLID WHITE
315+93.00	12 RT		331+53.00	12 RT	1560	4" SOLID WHITE
332+33.00	12 RT		348+79.00	12 RT	1646	4" SOLID WHITE
350+38.00	12 RT		376+14.00	12 RT	2576	4" SOLID WHITE
377+14.00	12 RT		381+80.00	12 RT	466	4" SOLID WHITE
382+80.00	12 RT		415+08.00	12 RT	3228	4" SOLID WHITE
415+16.00	12 RT		415+85.00	12 RT	69	4" SOLID WHITE
00+97.23	0		00+97.23	12 LT	72	24" SOLID WHITE
00+97.23	12 LT		12+53.00	12 LT	1156	4" SOLID WHITE
13+30.00	12 LT		15+37.00	12 LT	207	4" SOLID WHITE
16+26.00	12 LT		28+00.00	12 LT	1174	4" SOLID WHITE
29+47.00	12 LT		54+43.00	12 LT	2496	4" SOLID WHITE
55+65.00	12 LT		63+66.00	12 LT	801	4" SOLID WHITE
65+14.00	12 LT		72+75.00	12 LT	761	4" SOLID WHITE
74+80.00	12 LT		123+62.00	12 LT	4882	4" SOLID WHITE
124+45.00	12 LT		125+18.00	12 LT	73	4" SOLID WHITE
126+17.00	12 LT		180+50.00	12 LT	5433	4" SOLID WHITE
181+81.00	12 LT		234+17.00	12 LT	5236	4" SOLID WHITE
235+60.00	12 LT		247+10.00	12 LT	1150	4" SOLID WHITE
248+34.00	12 LT		314+31.00	12 LT	6597	4" SOLID WHITE
316+17.00	12 LT		331+36.00	12 LT	1519	4" SOLID WHITE
332+22.00	12 LT		341+54.00	12 LT	932	4" SOLID WHITE
342+78.00	12 LT		355+10.00	12 LT	1232	4" SOLID WHITE
356+30.00	12 LT		376+31.00	12 LT	2001	4" SOLID WHITE
377+23.00	12 LT		410+32.00	12 LT	3309	4" SOLID WHITE
410+92.00	12 LT		413+26.00	12 LT	234	4" SOLID WHITE
413+86.00	12 LT		415+08.00	12 LT	122	4" SOLID WHITE
415+16.00	12 LT		415+73.00	12 LT	57	4" SOLID WHITE
TOTAL (1 APPLICATION)					78165.00	
TOTAL (2 APPLICATIONS)					156330.00	
PROJECT USE					156340.00	

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603220-CHECK DAM TYPE I						
STATION	OFFSET	TO	STATION	OFFSET		L.F.
00+97.23	16 LT		00+97.23	55	LT	39
00+97.25	16 RT		00+97.25	51	RT	35
02+96.00	16 RT		02+96.00	52	RT	36
12+53.00	16 LT		12+53.00	51	LT	35
28+16.00	16 LT		28+16.00	56	LT	40
34+84.00	16 RT		34+84.00	41	RT	25
54+43.00	16 LT		54+43.00	50	LT	34
63+71.00	16 LT		63+71.00	36	LT	20
68+72.00	16 RT		68+72.00	40	RT	24
72+90.00	16 LT		72+90.00	26	LT	10
84+14.00	16 RT		84+14.00	46	RT	30
91+87.00	16 RT		91+87.00	42	RT	26
120+23.00	16 RT		120+23.00	46	RT	30
123+68.00	16 LT		123+68.00	40	LT	24
158+50.00	16 RT		158+50.00	52	RT	36
180+51.00	16 LT		180+51.00	34	LT	18
184+38.00	16 RT		184+38.00	50	RT	34
209+21.00	16 RT		209+21.00	39	RT	23
223+07.00	16 RT		223+07.00	46	RT	30
235+42.00	16 RT		235+42.00	42	RT	26
235+42.00	16 LT		235+42.00	40	LT	24
248+26.00	16 LT		248+26.00	50	LT	34
248+26.00	16 RT		248+26.00	43	RT	27
260+33.00	16 RT		260+33.00	51	RT	35
270+82.00	16 RT		270+82.00	63	RT	47
315+82.00	16 RT		315+82.00	39	RT	23
316+03.00	16 LT		316+03.00	39	LT	23
332+16.00	16 RT		332+16.00	34	LT	18
332+26.00	16 RT		332+26.00	50	RT	34
342+55.00	16 LT		342+55.00	32	LT	16
350+23.00	16 RT		350+23.00	44	RT	28
356+06.00	16 RT		356+06.00	35	RT	19
377+15.00	16 LT		377+15.00	32	LT	16
382+75.00	16 RT		382+75.00	38	RT	22
TOTAL						941
PROJECT USE						945.00

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632000-CLASS A SEEDING					
STATION	OFFSET	TO	STATION	OFFSET	ACRE
00+97.23	LT		12+62.00	LT	0.25
13+15.00	LT		15+46.00	LT	0.08
16+00.00	LT		28+20.00	LT	0.28
29+15.00	LT		54+50.00	LT	0.52
55+40.00	LT		63+77.00	LT	0.17
64+89.00	LT		72+96.00	LT	0.17
74+58.00	LT		123+75.00	LT	1.03
124+36.00	LT		125+31.00	LT	0.02
126+02.00	LT		180+56.00	LT	1.24
181+65.00	LT		234+41.00	LT	1.07
235+40.00	LT		247+36.00	LT	0.27
248+18.00	LT		314+57.00	LT	1.65
315+90.00	LT		331+53.00	LT	0.33
332+11.00	LT		341+80.00	LT	0.24
342+46.00	LT		355+20.00	LT	0.27
356+00.00	LT		376+43.00	LT	0.41
377+10.00	LT		410+03.00	LT	0.72
410+93.00	LT		413+24.00	LT	0.04
414+54.00	LT		415+68.00	LT	0.03
00+97.23	RT		03+02.00	RT	0.04
03+98.00	RT		34+98.00	RT	0.76
35+70.00	RT		68+82.00	RT	0.75
69+74.00	RT		84+20.00	RT	0.34
84+67.00	RT		91+95.00	RT	0.16
92+48.00	RT		94+47.00	RT	0.04
95+00.00	RT		120+32.00	RT	0.52
121+00.00	RT		122+58.00	RT	0.03
124+12.00	RT		158+60.00	RT	0.71
159+46.00	RT		184+45.00	RT	0.53
185+38.00	RT		186+66.00	RT	0.03
187+29.00	RT		188+14.00	RT	0.02
188+78.00	RT		208+15.00	RT	0.41
209+10.00	RT		221+58.00	RT	0.26
222+98.00	RT		234+48.00	RT	0.23
235+36.00	RT		241+62.00	RT	0.15
242+08.00	RT		247+60.00	RT	0.14
248+15.00	RT		259+52.00	RT	0.32
260+23.00	RT		269+60.00	RT	0.22
270+71.00	RT		314+50.00	RT	1.15
315+70.00	RT		331+68.00	RT	0.35
332+20.00	RT		349+07.00	RT	0.37
350+14.00	RT		376+23.00	RT	0.54
377+17.00	RT		381+76.00	RT	0.1
382+60.00	RT		415+90.00	RT	0.7
TOTAL					17.66
PROJECT USE					17.70

NOTE
INSTALL CLASS A SEEDING FROM PROPOSED EOR TO CUT/FILL GRADING LIMITS ON BOTH SIDES OF ROAD

1

450060-CONCRETE PAVEMENT-6"									
STATION	OFFSET	TO	STATION	OFFSET	LENGTH	WIDTH	DEPTH	S.Y.	REMARKS
84+47.77	16 RT		84+47.77	31 RT	15	VARIES	0.5	57.41	RECONSTRUCT EXISTING DRIVEWAY
92+21.55	16 RT		92+21.55	31 RT	15	VARIES	0.5	139.89	RECONSTRUCT EXISTING DRIVEWAY
94+72.33	16 RT		94+72.33	32 RT	16	VARIES	0.5	141.56	RECONSTRUCT EXISTING DRIVEWAY
159+06.20	16 RT		159+06.20	28 RT	12	VARIES	0.5	197.11	RECONSTRUCT EXISTING DRIVEWAY
TOTAL								535.97	
PROJECT USE								536	

1

540060-REINFORCING BARS GRADE 60									
STATION	OFFSET	TO	STATION	OFFSET	SPACING	SIZE	DEPTH	LB	REMARKS
84+47.77	16 RT		84+47.77	31 RT	12"	#4	0.5	690.445	RECONSTRUCT EXISTING DRIVEWAY
92+21.55	16 RT		92+21.55	31 RT	12"	#4	0.5	1682.35	RECONSTRUCT EXISTING DRIVEWAY
94+72.33	16 RT		94+72.33	32 RT	12"	#4	0.5	1702.39	RECONSTRUCT EXISTING DRIVEWAY
159+06.20	16 RT		159+06.20	28 RT	12"	#4	0.5	2370.52	RECONSTRUCT EXISTING DRIVEWAY
TOTAL								6445.71	
PROJECT USE								6446	

1

704000-RETROREFLECTORIZED PAINTED MARKING 4" (SOLID YELLOW)						
STATION	OFFSET	TO	STATION	OFFSET	L.F.	REMARKS
00+97.23	1 LT		05+47.23	1 LT	450	4" SOLID YELLOW
00+97.23	1 RT		05+47.23	1 RT	450	4" SOLID YELLOW
62+50.00	1 RT		78+99.00	1 RT	1649	4" SOLID YELLOW
69+50.00	1 LT		88+00.00	1 LT	1850	4" SOLID YELLOW
137+50.00	1 RT		186+17.00	1 RT	4867	4" SOLID YELLOW
148+49.00	1 LT		197+17.00	1 LT	4868	4" SOLID YELLOW
307+50.00	1 RT		337+34.00	1 RT	2984	4" SOLID YELLOW
318+50.00	1 LT		348+34.00	1 LT	2984	4" SOLID YELLOW
411+74.00	1 LT		415+08.00	1 LT	334	4" SOLID YELLOW
411+74.00	1 RT		415+08.00	1 RT	334	4" SOLID YELLOW
415+16.00	1 LT		415+79.00	1 LT	63	4" SOLID YELLOW
415+16.00	1 RT		415+79.00	1 RT	63	4" SOLID YELLOW
TOTAL (1 APPLICATION)					20896.00	
TOTAL (2 APPLICATIONS)					41792.00	
PROJECT USE					41800.00	

1

570950-REINSTALLING CULVERT PIPE					
STATION	OFFSET	TO	STATION	OFFSET	L.F.
34+63.16	26.96 RT		36+02.75	26.1 RT	140
91+84.29	29 RT		92+52.12	28.21 RT	68
94+41.18	28.84 RT		95+09.00	30.27 RT	68
158+56.60	31.6 RT		159+53.70	31.6 RT	96
TOTAL					372
PROJECT USE					372

1

704000-RETROREFLECTORIZED PAINTED MARKING 4" (BROKEN YELLOW)						
STATION	OFFSET	TO	STATION	OFFSET	L.F.	REMARKS
05+48.00	0		62+50.00	0	1426	4" BROKEN YELLOW
62+50.00	1 LT		69+50.00	1 LT	175	4" BROKEN YELLOW
78+99.00	1 RT		88+00.00	1 RT	225	4" BROKEN YELLOW
88+00.00	0		137+50.00	0	1238	4" BROKEN YELLOW
137+50.00	1 LT		148+49.00	1 LT	275	4" BROKEN YELLOW
186+17.00	1 RT		197+17.00	1 RT	275	4" BROKEN YELLOW
197+17.00	0		307+50.00	0	2758	4" BROKEN YELLOW
307+50.00	1 LT		318+50.00	1 LT	275	4" BROKEN YELLOW
337+34.00	1 RT		348+34.00	1 RT	275	4" BROKEN YELLOW
348+34.00	0		411+74.00	0	1585	4" BROKEN YELLOW
TOTAL (1 APPLICATION)					8507.00	
TOTAL (2 APPLICATIONS)					17014.00	
PROJECT USE					17020.00	

1

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JEREMY BAKER NEW MEXICO 16207 LICENSED PROFESSIONAL ENGINEER

10/14/2020

PROJECT ENGINEER: JEREMY BAKER, PE
PROJECT DESIGNER: LAXMI P. PANERU, EI
DRAWN BY: LPP

REVISIONS		
No.	DATE	DESCRIPTION
1	10/14/2020	REVISED QUANTITY

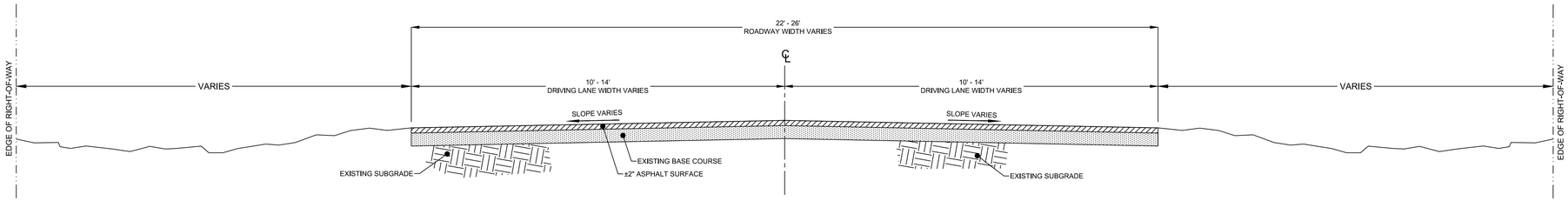
SCHEDULE OF QUANTITIES

MARATHON ROAD
CR 27A

LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

SHEET:
1-4



1 EXISTING ROAD SECTION

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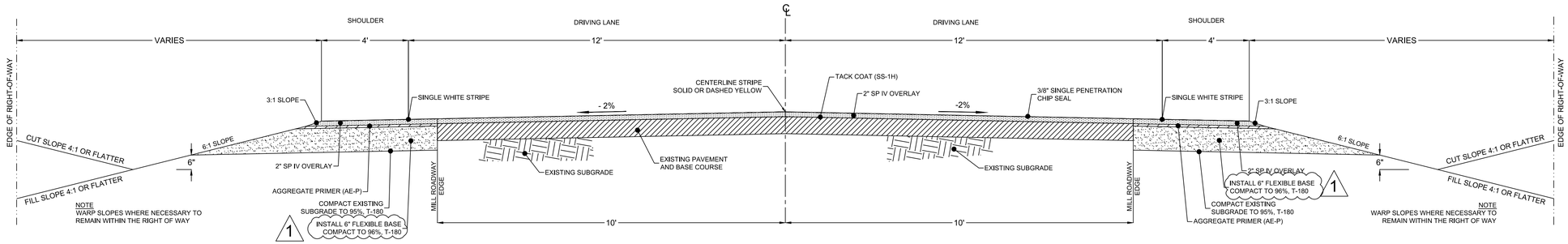
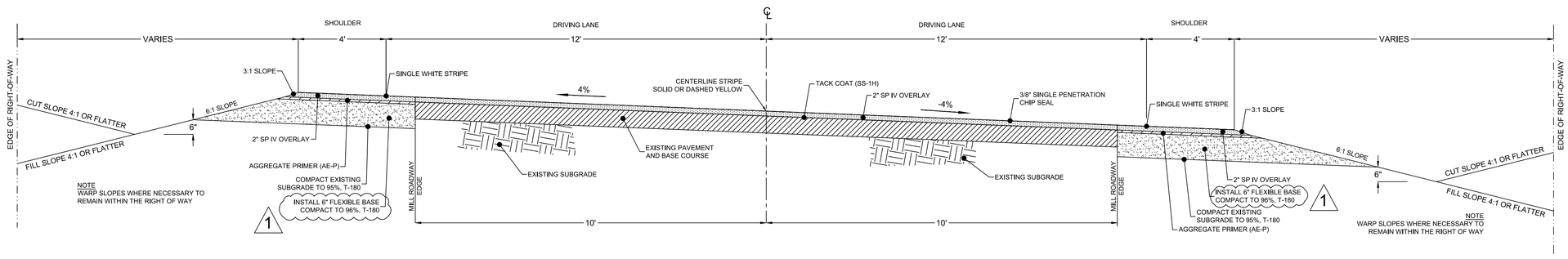


2 PROPOSED ROADWAY SECTION 1

SCALE: NTS



3 PROPOSED ROADWAY SECTION 2

SCALE: NTS

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JEREMY BAKER
NEW MEXICO
16207
LICENSED PROFESSIONAL ENGINEER

10/14/2020

PROJECT ENGINEER:	JEREMY BAKER, PE
PROJECT DESIGNER:	LAXMI P. PANERU, EI
DRAWN BY:	LPP

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	REVISED BASE THICKNESS

ROADWAY SECTIONS

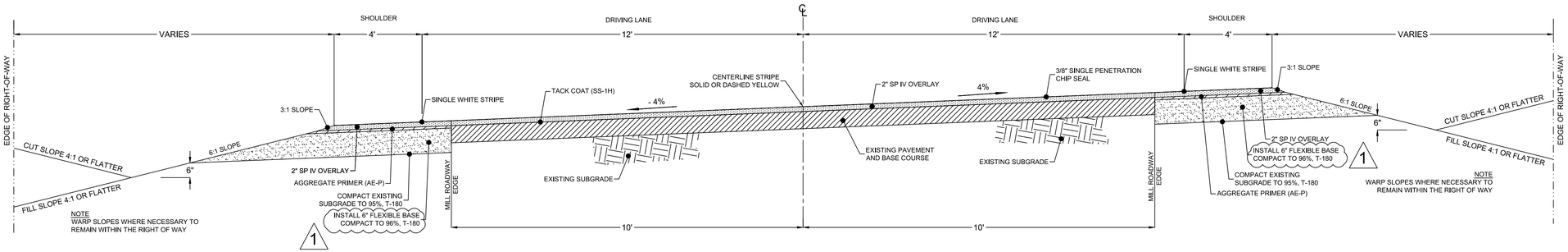
MARATHON ROAD
CR 27A

LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

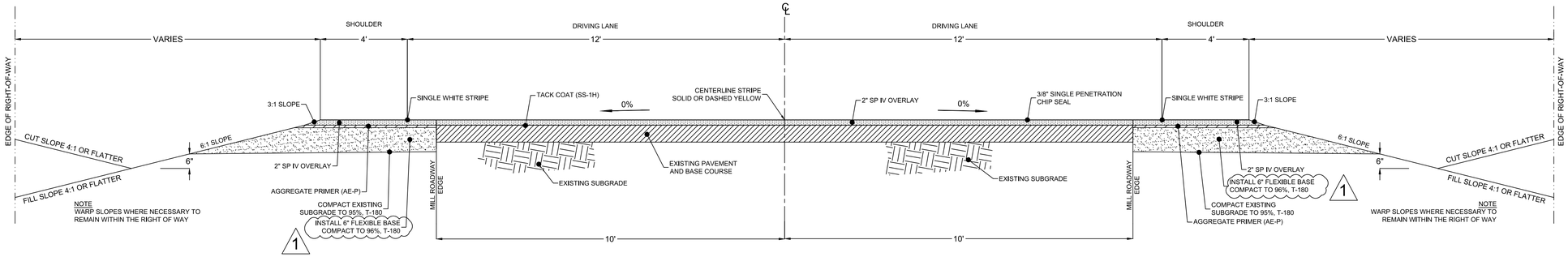
SHEET:
2-1

Z:\2020.1033\Engineering\ACAD\SHEETS\2-1 TO 2-2 ROAD SECTION.dwg 10/14/2020 1:57 PM



4 PROPOSED ROADWAY SECTION 3

SCALE: NTS



5 PROPOSED ROADWAY SECTION 4

SCALE: NTS

STATION	TO	STATION	ROADWAY SECTION
97.23		70+47.29	ROADWAY SECTION 1
70+47.29		71+96.63	TRANSITION FROM ROADWAY SECTION 1 TO ROADWAY SECTION 2
71+96.63		73+57.48	ROADWAY SECTION 2
73+57.48		74+45.67	TRANSITION FROM ROADWAY SECTION 2 TO ROADWAY SECTION 1
74+45.67		75+33.86	TRANSITION FROM ROADWAY SECTION 1 TO ROADWAY SECTION 3
75+33.86		78+79.92	ROADWAY SECTION 3
78+79.92		80+24.45	TRANSITION FROM ROADWAY SECTION 3 TO ROADWAY SECTION 1
80+24.45		147+24.34	ROADWAY SECTION 1
147+24.34		148+84.84	TRANSITION FROM ROADWAY SECTION 1 TO ROADWAY SECTION 2
148+84.84		165+60.28	ROADWAY SECTION 2
165+60.28		167+33.06	TRANSITION FROM ROADWAY SECTION 2 TO ROADWAY SECTION 1
167+33.06		169+05.84	TRANSITION FROM ROADWAY SECTION 1 TO ROADWAY SECTION 3
169+05.84		185+81.38	ROADWAY SECTION 3
185+81.38		187+41.88	TRANSITION FROM ROADWAY SECTION 3 TO ROADWAY SECTION 1
187+41.88		317+28.99	ROADWAY SECTION 1
317+28.99		318+89.49	TRANSITION FROM ROADWAY SECTION 1 TO ROADWAY SECTION 2
318+89.49		326+23.62	ROADWAY SECTION 2
326+23.62		327+84.12	TRANSITION FROM ROADWAY SECTION 2 TO ROADWAY SECTION 1
327+84.12		329+44.62	TRANSITION FROM ROADWAY SECTION 1 TO ROADWAY SECTION 3
329+44.62		336+98.28	ROADWAY SECTION 3
336+98.28		338+58.78	TRANSITION FROM ROADWAY SECTION 3 TO ROADWAY SECTION 1
338+58.78		414+58.69	ROADWAY SECTION 1
414+58.69		415+08.22	TRANSITION FROM ROADWAY SECTION 1 TO ROADWAY SECTION 4
415+16.19		415+65.73	TRANSITION FROM ROADWAY SECTION 4 TO ROADWAY SECTION 1
415+65.73		415+79.19	ROADWAY SECTION 1

6 ROADWAY SECTION SCHEDULE

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JEREMY BAKER NEW MEXICO 16207 LICENSED PROFESSIONAL ENGINEER

10/14/2020

PROJECT ENGINEER:	JEREMY BAKER, PE
PROJECT DESIGNER:	LAXMI P. PANERU, EI
DRAWN BY:	LPP

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	REVISED BASE THICKNESS

ROADWAY SECTIONS

MARATHON ROAD
CR 27A

LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

SHEET:
2-2

SWPPP INFORMATION

SITE DESCRIPTION AND NOI INPUTS

NATURE OF ACTIVITY	ROADWAY CONSTRUCTION
GENERAL LOCATION AND SITE MAP	REFER TO VICINITY MAP SHEET 1-1 AND TEMPORARY EROSION AND SEDIMENT CONTROL PLAN (TESCP) SHEETS 2-21 TO 2-35
DISTURBED AND UNDISTURBED AREAS	REFER TO TESCP SHEETS 2-21 TO 2-35
STRUCTURAL AND NON STRUCTURAL CONTROLS	REFER TO TESCP AND REVEGETATION/EROSION CONTROL PLAN SHEETS 2-21 TO 2-35
LOCATIONS WHERE STABILIZATION WILL OCCUR	REFER TO TESCP AND REVEGETATION/EROSION CONTROL PLAN SHEETS 2-21 TO 2-35
TOTAL SITE AREA	±56 ACRES, AREA WITHIN THE RIGHT OF WAY
RECEIVING WATER	LAGUNA GATUNA
TOTAL DISTURBED AREA	±30 ACRES
LATITUDE	32.522689 AT BOP
LONGITUDE	-103.522155 AT BOP
IS DISCHARGE CONSISTENT WITH APPROVED TMDL	N/A

DRAINAGE PARAMETERS

DRAINAGE PATTERNS	REFER TO TESCP
APPROXIMATE SLOPES AFTER MAJOR GRADING	REFER TO PLAN AND PROFILES SHEETS SHEETS 3-1 TO 3-31
RAINFALL 2-YEAR, 24 HR, INCH	2.43
RAINFALL 2-YEAR, 1 HR, INCH	1.35
INTENSITY 2-YEAR, IN/HR FOR Tc=7 HR	0.33
HYDROLOGIC SOIL GROUP	A
CURVE NUMBER UNDISTURBED AREA	63
CURVE NUMBER DISTURBED AREA	90
RUNOFF COEFFICIENT, PRIOR TO CONSTRUCTION	0.50
RUNOFF COEFFICIENT, DURING CONSTRUCTION	0.50
RUNOFF COEFFICIENT, AFTER CONSTRUCTION	0.90

RUNOFF & VOLUME CALCULATION

THE FOLLOWING PROCEDURES SHALL BE USED TO CALCULATE THE RUNOFF DISCHARGE AND VOLUME TO DESIGN THE EROSION CONTROL MEASURES

DISCHARGE Q = CIA (ENGLISH)
WHERE,
Q = DISCHARGE
C = RUNOFF COEFFICIENT
I = RAINFALL INTENSITY, IN/HR
A = AREA OF THE SITE, ACRES

VOLUME V = QTc
WHERE,
V = VOLUME, FT^3
Tc = (1/60) (.0078) ($L^{0.77}$)($S^{-0.385}$), MINUTES
ASSUME Tc = 10 MIN, FOR BASINS WITHIN THE PROJECT LIMITS
L = LENGTH OF WATERSHED, FT
S = SLOPE, FT/FT

GENERAL NOTES

1. NEW MEXICO DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION 2014 EDITION SHALL BE USED AS A MINIMUM REQUIREMENT TO DEVELOP OR MODIFY THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP).
2. THE NPDES PERMIT NUMBER FOR THE PROJECT OR A COPY OF THE NOTICE OF INTENT (NOI), IF A PERMIT NUMBER HAS NOT YET BEEN ASSIGNED, SHALL BE POSTED AT THE PROJECT SITE OR THE FIELD OFFICE AT ALL TIMES DURING CONSTRUCTION.
3. THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND ALL MAINTENANCE AND INSPECTION REPORTS SHALL BE SIGNED BY A QUALIFIED INSPECTOR ASSIGNED BY CONTRACTOR. THE SWPPP AND THE INSPECTION REPORTS SHALL BE AVAILABLE TO EPA REPRESENTATIVE AT ALL TIMES DURING CONSTRUCTION.
4. ALL DRAINAGE INFORMATION NEEDED TO COMPLETE THE NOTICE OF INTENT (NOI) ARE PROVIDED IN THIS PLAN.
5. BEST MANAGEMENT PRACTICES (BMPS) SHOWN ON TESCP ARE DETERMINED USING THE EQUATIONS SHOWN ON THIS SHEET AND OTHER HYDROLOGICAL MODELS. BMP'S CONTROL SEDIMENT SO THAT NO ADDITIONAL SEDIMENT RESULTING FORM CONSTRUCTION ACTIVITIES DISCHARGE TO WATERWAYS.

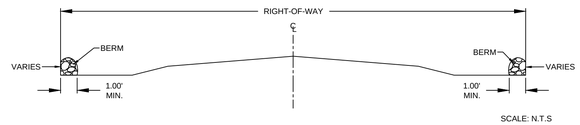
REVEGETATION / EROSION CONTROL NOTES

1. NEW MEXICO DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION 2019 EDITION SECTION 632 - REVEGETATION SHALL APPLY TO THIS PROJECT.
2. THE CONTRACTOR SHALL USE SEEDING CLASS "A" OR CLASS "C" MATERIAL AND OPERATIONS USING WEED FREE SEED IN ACCORDANCE WITH THE SEED MIX PROVIDED BELOW.
3. REVEGETATION REQUIREMENTS OUTSIDE THE RIGHT-OF-WAY SHALL NOT APPLY UNLESS CONTRACTOR IS GRANTED PERMITS FOR TEMPORARY USE PRE-DESIGNATED STORAGE AND TURNAROUND AREAS, MATERIAL PITS OR ANY OTHER NON-DESIGNATED DISTURBED AREAS THROUGH BLM, SLO OR PRIVATE LAND WHERE LEA COUNTY IS SHOWN AS THE "APPLICANT" ON THE PERMIT.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT SEEDED AREAS UNTIL FINAL ACCEPTANCE.
5. EQUIPMENT SHALL NOT BE DRIVEN OVER SEEDED AREAS.
6. CERTIFICATION OF ALL SEEDING MATERIALS SHALL BE SUBMITTED TO THE ENGINEER AND APPROVED PRIOR TO ORDERING AND APPLYING THE SEED.
7. SEE TEMPORARY EROSION & SEDIMENT CONTROL PLANS (TESCP) ON SHEETS 2-21 TO 2-35.
8. SEED MIX FROM STA: 00+97.23 TO STA: 415+78.82 (CERTIFIED SEED OF NAMED VARIETIES ARE REQUIRED IF AVAILABLE)

COMMON NAME	BOTANICAL NAME	LBS. PURE LIVE SEED PER ACRE
ANNUAL QUICK-COVER GRASSES		
Oats	Avena sativa	0.50
Sterile triticale	Triticum aestivum X Secale cereale'Quickguard'	0.50
COOL-SEASON GRASSES		
Bottlebrush squirreltail	Elymu elymoides	1.75
New Mexico feathergrass	Hesperostipa neomexicana	1.00
Western Wheatgrass	Agropyron smithii	1.70
WARM-SEASON GRASSES		
Alkali Sacaton	Sporobolus airoides	0.20
Black Grama	Bouteloua gracilis var. Alma	0.20
Little Bluestem	Schizachyrium scoparium	0.50
Needle grama	Bouteloua aristidoides	0.30
Sand Dropseed	Sporobolus cryptandrus	0.08
Sideoats Grama	Bouteloua curtipendula var. Vaughn	0.75
WILDFLOWERS		
Blanket flower	Gaillardia pulchella	0.30
Desert marigold	Baileya multiradiata	0.10
Desert zinnia	Zinnia acerosa	0.20
Hairy golden aster	Heterotheca villosa	0.20
Lewis fax	Linum lewisii	0.20
Prairie aster	Machaeranthera tanacetifolia	0.20
Wild four o'clock	Mirabilis multiflora	0.30
White prairie clover	Dalea candida	0.30
Scarlet globemallow	Sphaeralcea coccinea	0.30
WOODY SHRUBS		
Four-wing saltbush	Atriplex canescens	0.40
Sand sage	Artemisia filifolia	0.05
Winterfat	Krascheninninkovia lanata	0.20
ACRE TOTAL		10.58

NOTES FOR SHEETS 2-21 TO 2-35

1. CLEARED AND GRUBBED MATERIAL MAY BE USED TO CONSTRUCT BERM AS SHOWN IN DETAIL 1 ON THIS SHEET.
2. EROSION PROTECTION BERM SHALL BE LOCATED AT THE EDGE OF THE RIGHT-OF-WAY ON BOTH SIDES, UNLESS AT OR NEAR DISCHARGE POINTS AND EXISTING DRAINAGE SWALES WHERE OTHER BMP'S MAY BE IMPLEMENTED.
3. USE TYPE I CHECK DAM PER STANDARD DRAWING 603-01-2/7 ON SHEET 2-10.



SCALE: N.T.S

1 EROSION PROTECTION BERM
SCALE: NTS

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10/14/2020

PROJECT ENGINEER: JEREMY BAKER, PE
PROJECT DESIGNER: LAXMI P. PANERU, EI
DRAWN BY: LPP

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	EDITED DISTURBED AREA

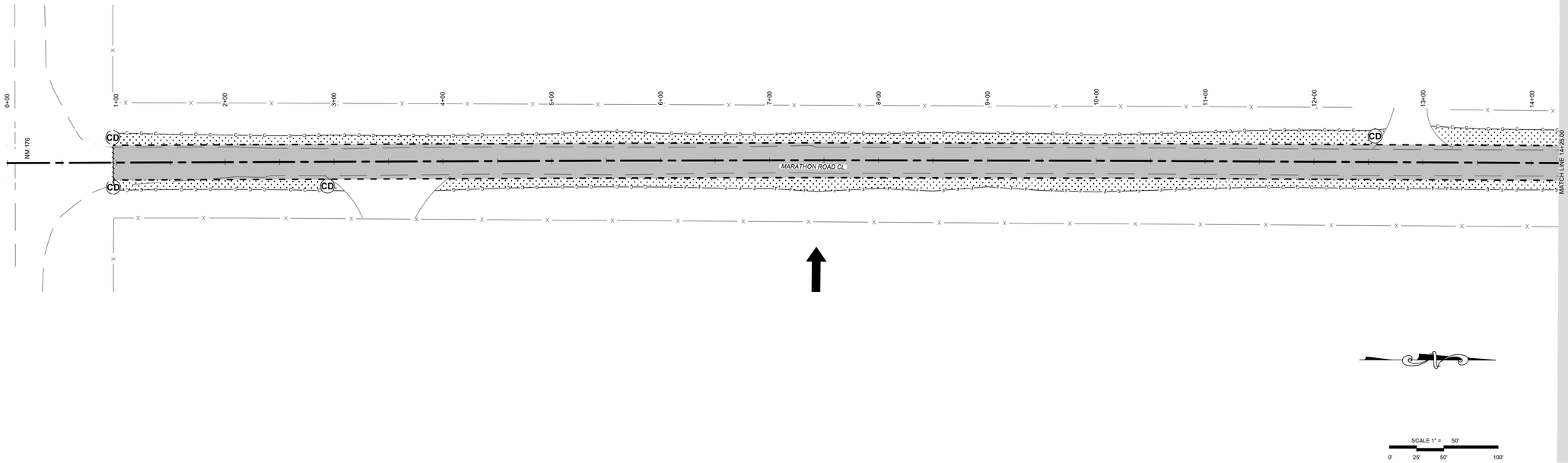
SWPPP INFORMATION AND REVEGETATION/EROSION CONTROL PLAN

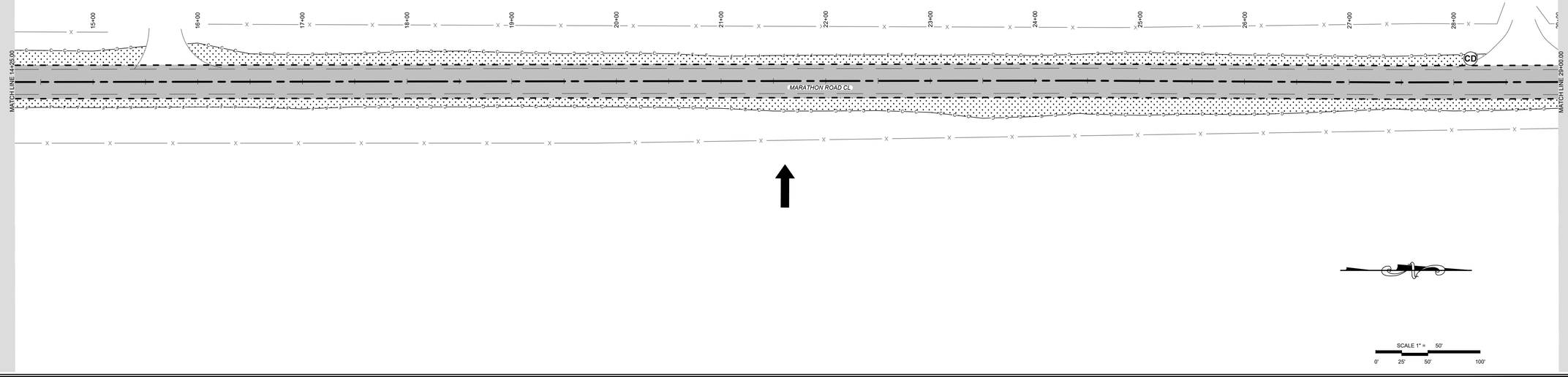
MARATHON ROAD
CR 27A

LEA COUNTY, NM

PROJECT NUMBER: 2020.1033

SHEET: 2-20





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10/14/2020

PROJECT ENGINEER:	JEREMY BAKER, PE
PROJECT DESIGNER:	LAXMI P. PANERU, EI
DRAWN BY:	LPP

LEGEND

X	EXISTING FENCE
C	GRADING LIMITS CUT
F	GRADING LIMITS FILL
	PROPOSED EOR
	EXISTING EOR
	CENTERLINE ALIGNMENT
	SAW CUT
	CLASS A SEEDING
	ASPHALT
	CONCRETE
	STORM FLOW DIRECTION
CD	CHECK DAM
EOR	EDGE OF ROAD
EG	EXISTING GRADE
FG	FINISH GRADE

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/FILL LIMITS

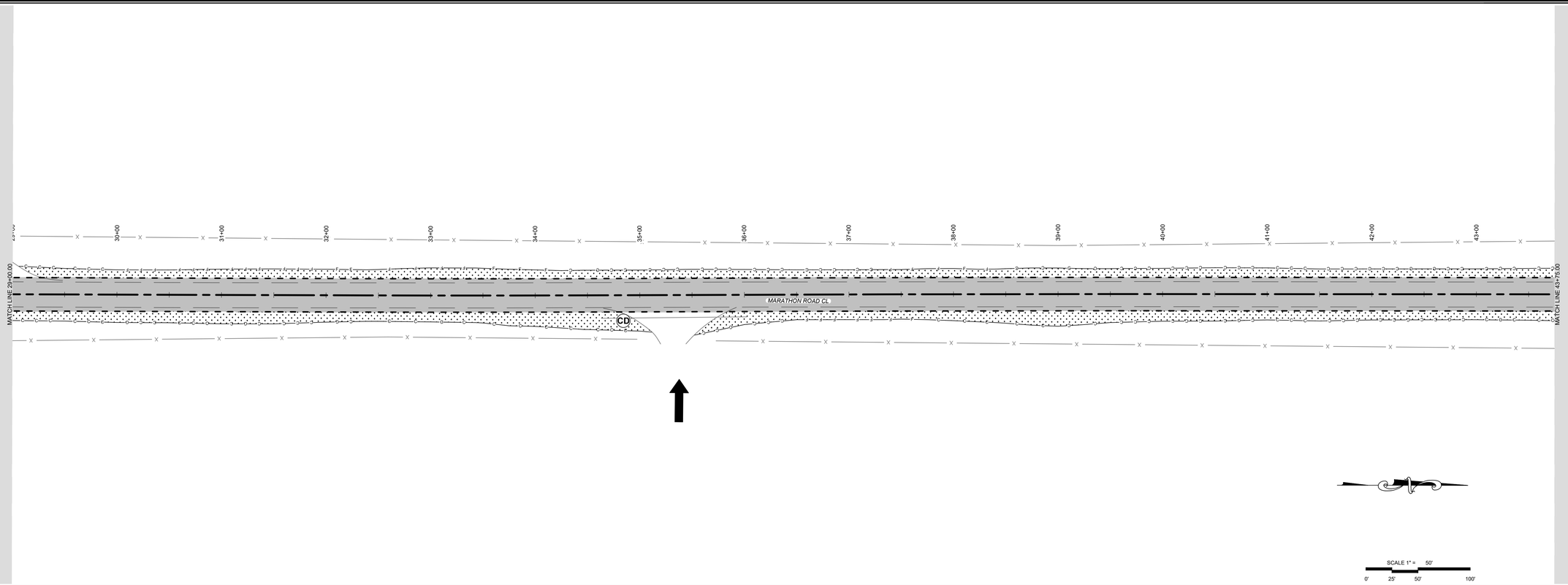
TEMPORARY EROSION AND SEDIMENT CONTROL PLAN
STA: 00+00
TO
STA: 29+00

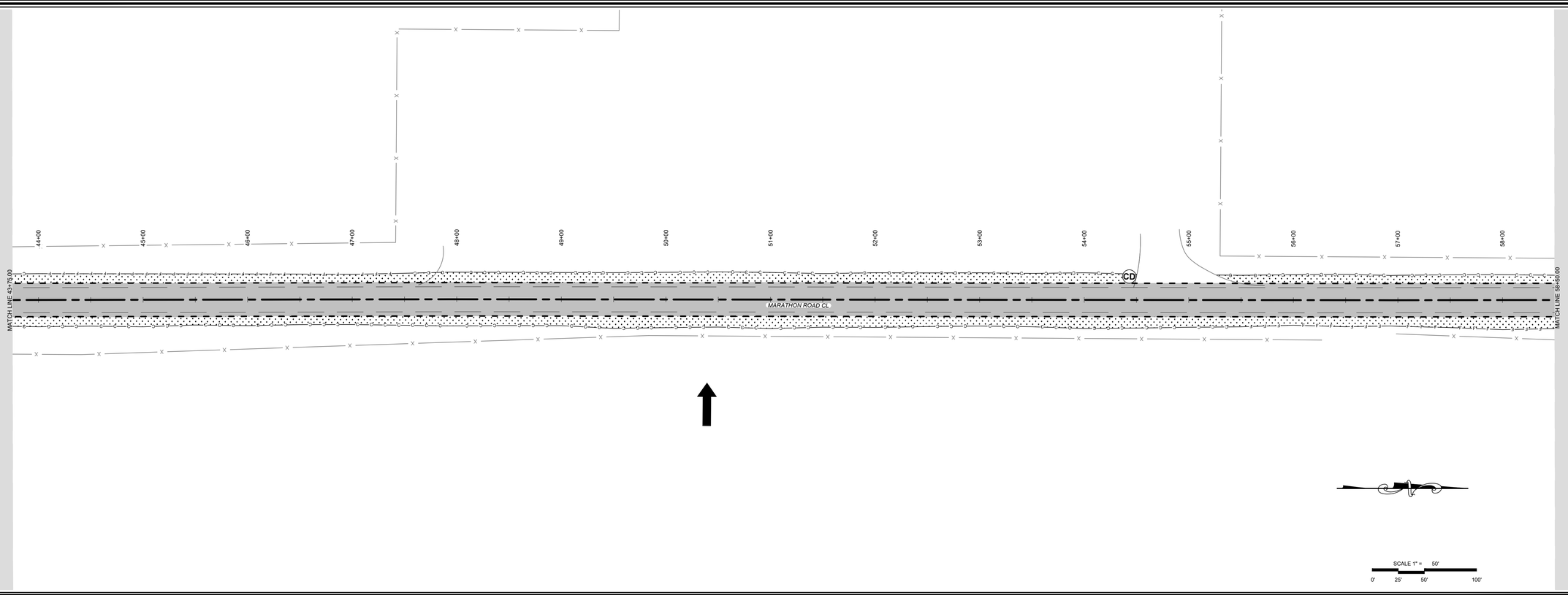
MARATHON ROAD
CR 27A

LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

SHEET:
2-21





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DRAWN BY:	LPP

LEGEND

X	EXISTING FENCE
C	GRADING LIMITS CUT
F	GRADING LIMITS FILL
	PROPOSED EOR
	EXISTING EOR
	CENTERLINE ALIGNMENT
	SAW CUT
	CLASS A SEEDING
	ASPHALT
	CONCRETE
	STORM FLOW DIRECTION
CD	CHECK DAM
EOR	EDGE OF ROAD
EG	EXISTING GRADE
FG	FINISH GRADE

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS

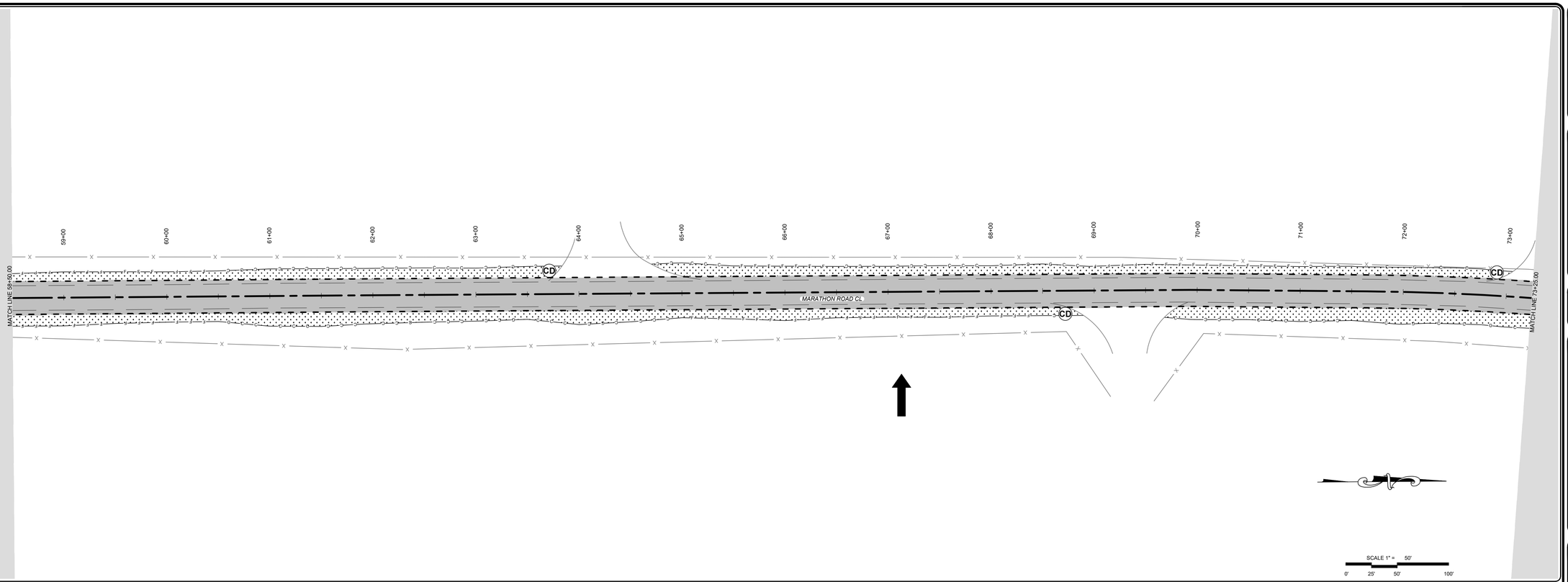
TEMPORARY EROSION AND SEDIMENT CONTROL PLAN
STA: 29+00
TO
STA: 58+50

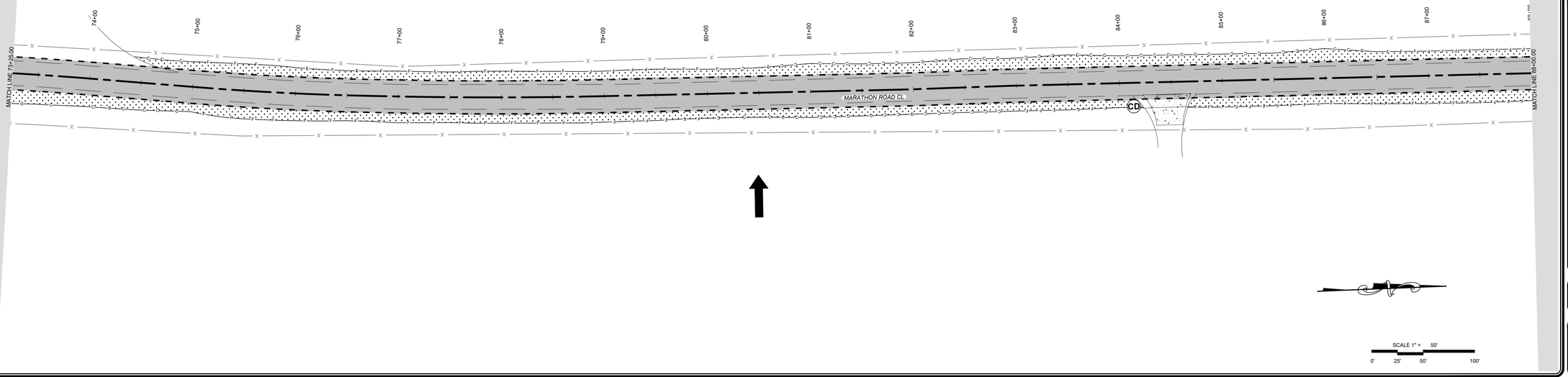
MARATHON ROAD
CR 27A

LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

SHEET:
2-22





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JEREMY BAKER NEW MEXICO 16207 LICENSED PROFESSIONAL ENGINEER

10/14/2020

PROJECT ENGINEER:	JEREMY BAKER, PE
PROJECT DESIGNER:	LAXMI P. PANERU, EI
DRAWN BY:	LPP

LEGEND

- EXISTING FENCE
- GRADING LIMITS CUT
- GRADING LIMITS FILL
- PROPOSED EOR
- EXISTING EOR
- CENTERLINE ALIGNMENT
- SAW CUT
- CLASS A SEEDING
- ASPHALT
- CONCRETE
- STORM FLOW DIRECTION
- CD — CHECK DAM
- EOR — EDGE OF ROAD
- EG — EXISTING GRADE
- FG — FINISH GRADE

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS

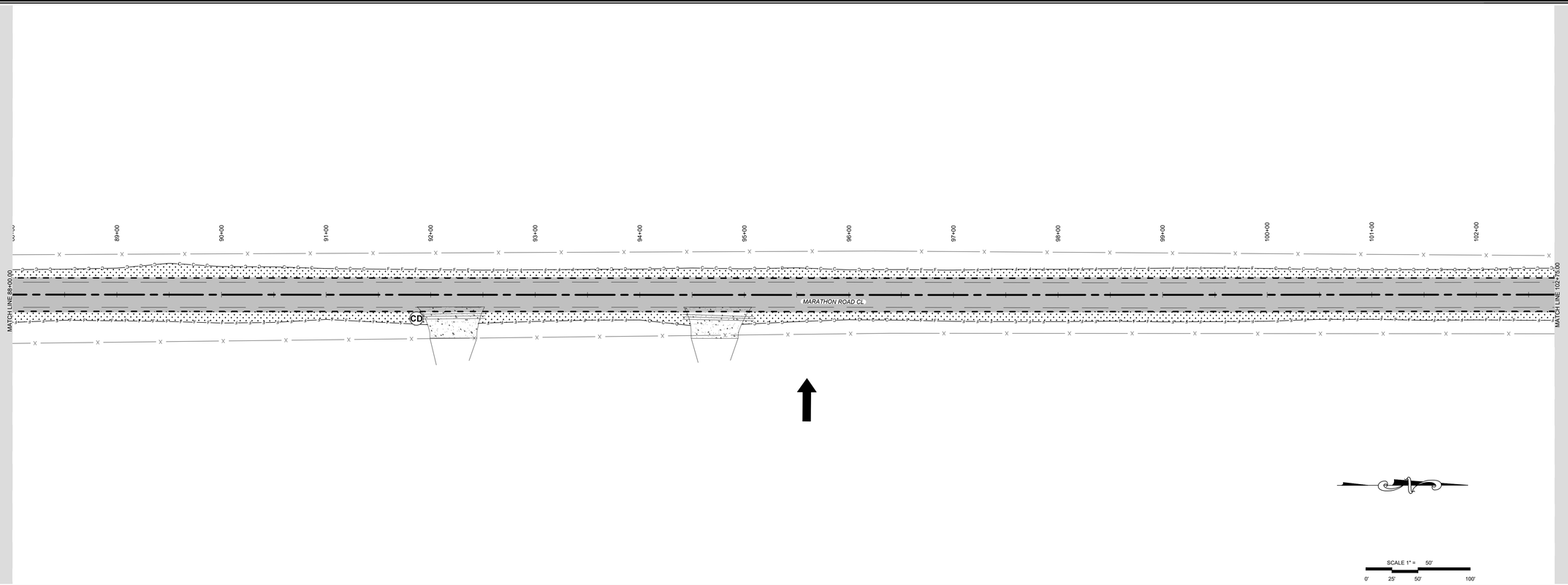
TEMPORARY EROSION AND SEDIMENT CONTROL PLAN
STA: 58+50
TO
STA: 88+00

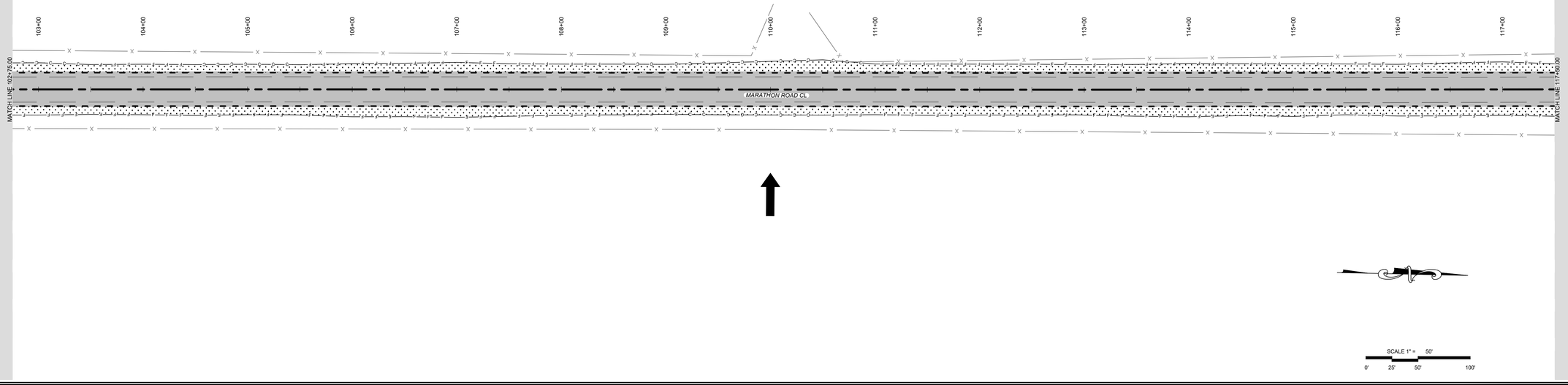
MARATHON ROAD
CR 27A

LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

SHEET:
2-23





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JEREMY BAKER NEW MEXICO 16207 LICENSED PROFESSIONAL ENGINEER

10/14/2020

PROJECT ENGINEER:	JEREMY BAKER, PE
PROJECT DESIGNER:	LAXMI P. PANERU, EI
DRAWN BY:	LPP

LEGEND

X	EXISTING FENCE
C	GRADING LIMITS CUT
F	GRADING LIMITS FILL
	PROPOSED EOR
	EXISTING EOR
	CENTERLINE ALIGNMENT
	SAW CUT
	CLASS A SEEDING
	ASPHALT
	CONCRETE
	STORM FLOW DIRECTION
CD	CHECK DAM
EOR	EDGE OF ROAD
EG	EXISTING GRADE
FG	FINISH GRADE

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS

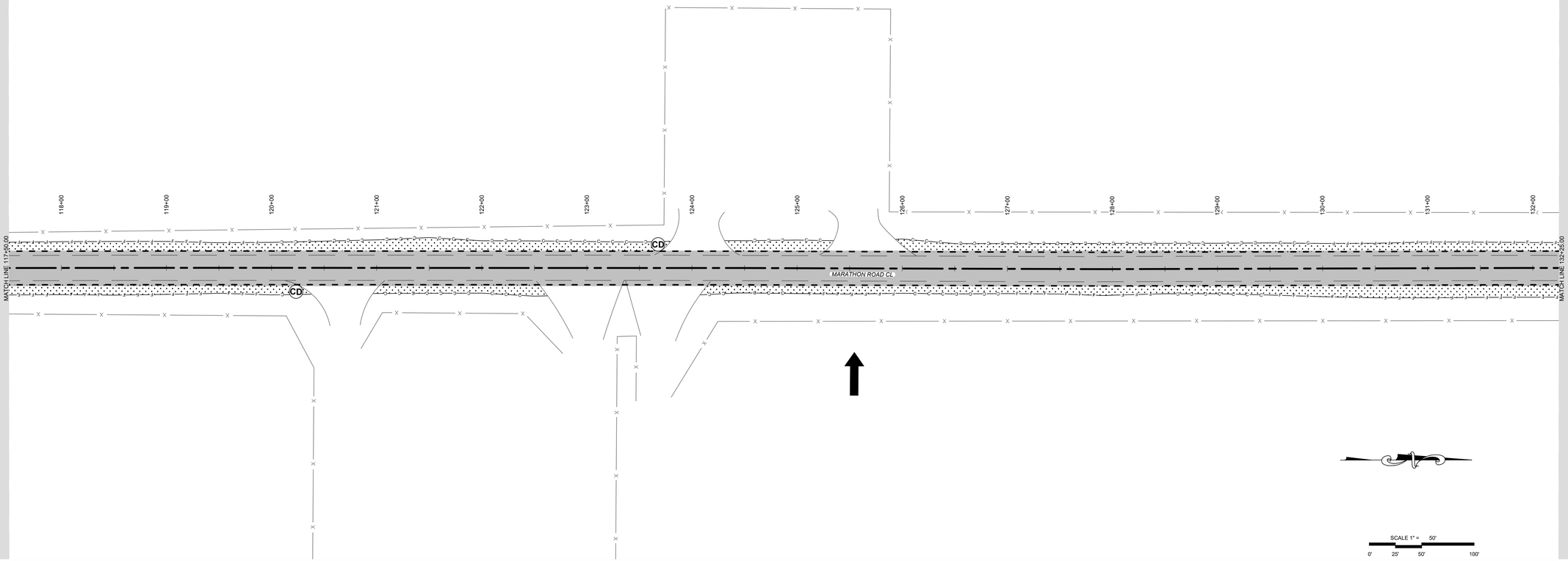
TEMPORARY EROSION AND SEDIMENT CONTROL PLAN
STA: 88+00
TO
STA: 117+50

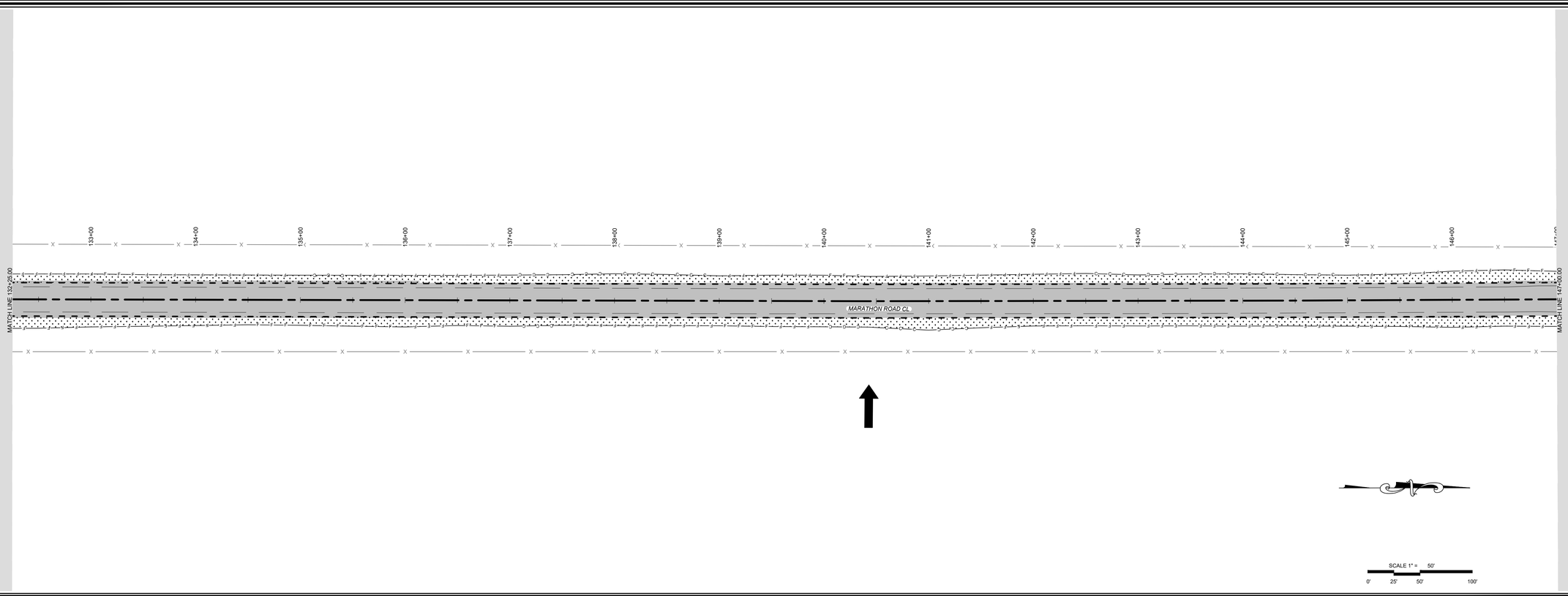
MARATHON ROAD
CR 27A

LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

SHEET:
2-24





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JEREMY BAKER NEW MEXICO 16207 LICENSED PROFESSIONAL ENGINEER

10/14/2020

PROJECT ENGINEER:	JEREMY BAKER, PE
PROJECT DESIGNER:	LAXMI P. PANERU, EI
DRAWN BY:	LPP

LEGEND

X	EXISTING FENCE
C	GRADING LIMITS CUT
F	GRADING LIMITS FILL
	PROPOSED EOR
	EXISTING EOR
	CENTERLINE ALIGNMENT
	SAW CUT
	CLASS A SEEDING
	ASPHALT
	CONCRETE
	STORM FLOW DIRECTION
CD	CHECK DAM
EOR	EDGE OF ROAD
EG	EXISTING GRADE
FG	FINISH GRADE

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS

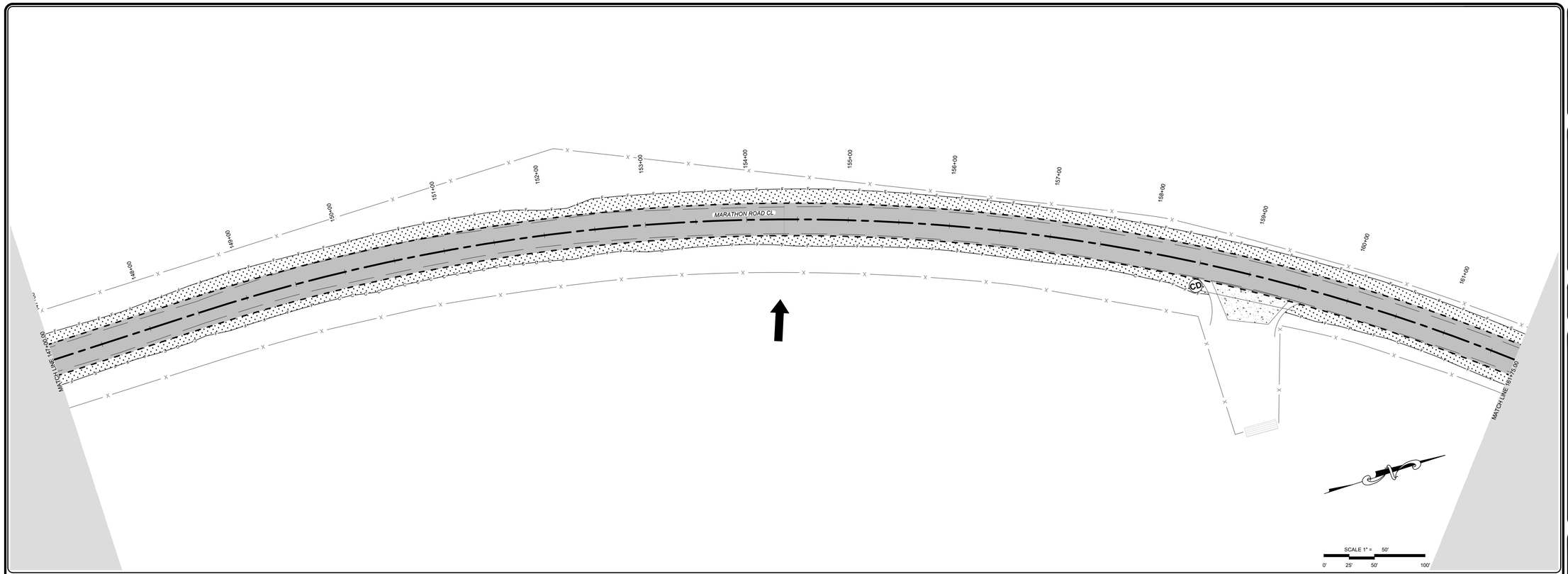
TEMPORARY EROSION AND SEDIMENT CONTROL PLAN
STA: 117+50
TO
STA: 147+00

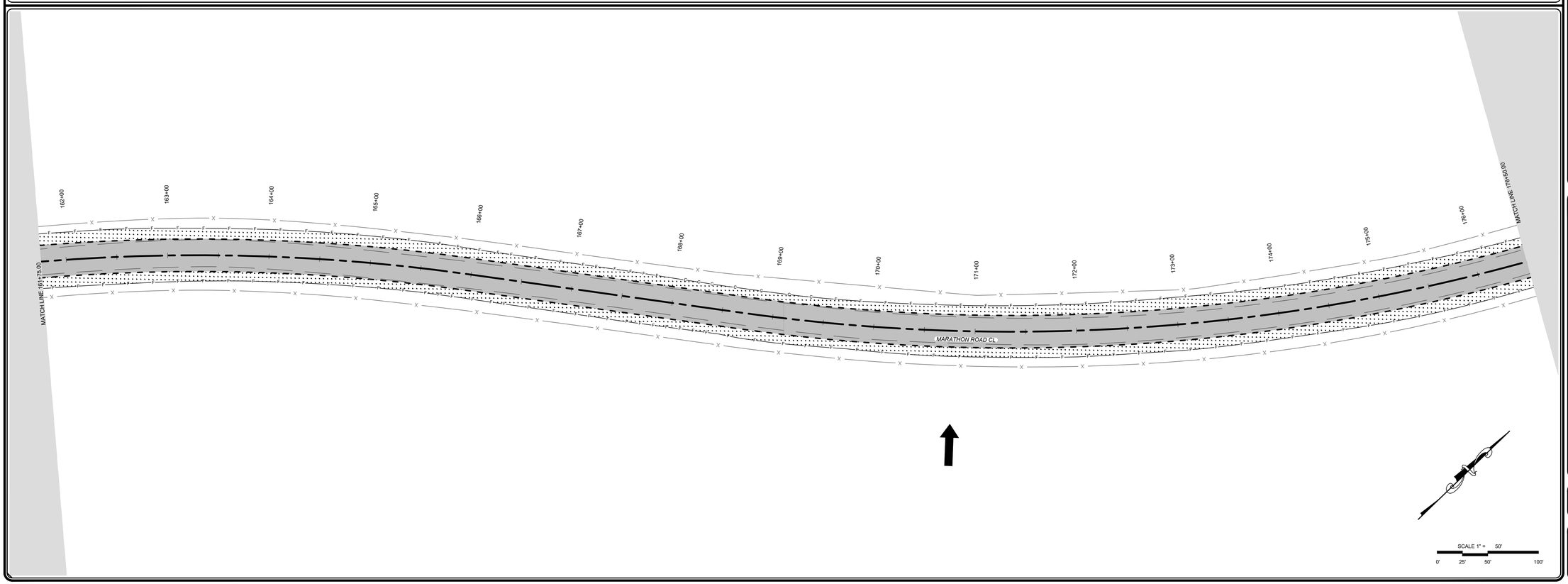
MARATHON ROAD
CR 27A

LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

SHEET:
2-25





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JEREMY BAKER NEW MEXICO 16207 LICENSED PROFESSIONAL ENGINEER

10/14/2020

PROJECT ENGINEER:	JEREMY BAKER, PE
PROJECT DESIGNER:	LAXMI P. PANERU, EI
DRAWN BY:	LPP

LEGEND

- EXISTING FENCE
- GRADING LIMITS CUT
- GRADING LIMITS FILL
- PROPOSED EOR
- EXISTING EOR
- CENTERLINE ALIGNMENT
- SAW CUT
- CLASS A SEEDING
- ASPHALT
- CONCRETE
- STORM FLOW DIRECTION
- CHECK DAM
- EDGE OF ROAD
- EXISTING GRADE
- FINISH GRADE

EOR
EG
FG

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS

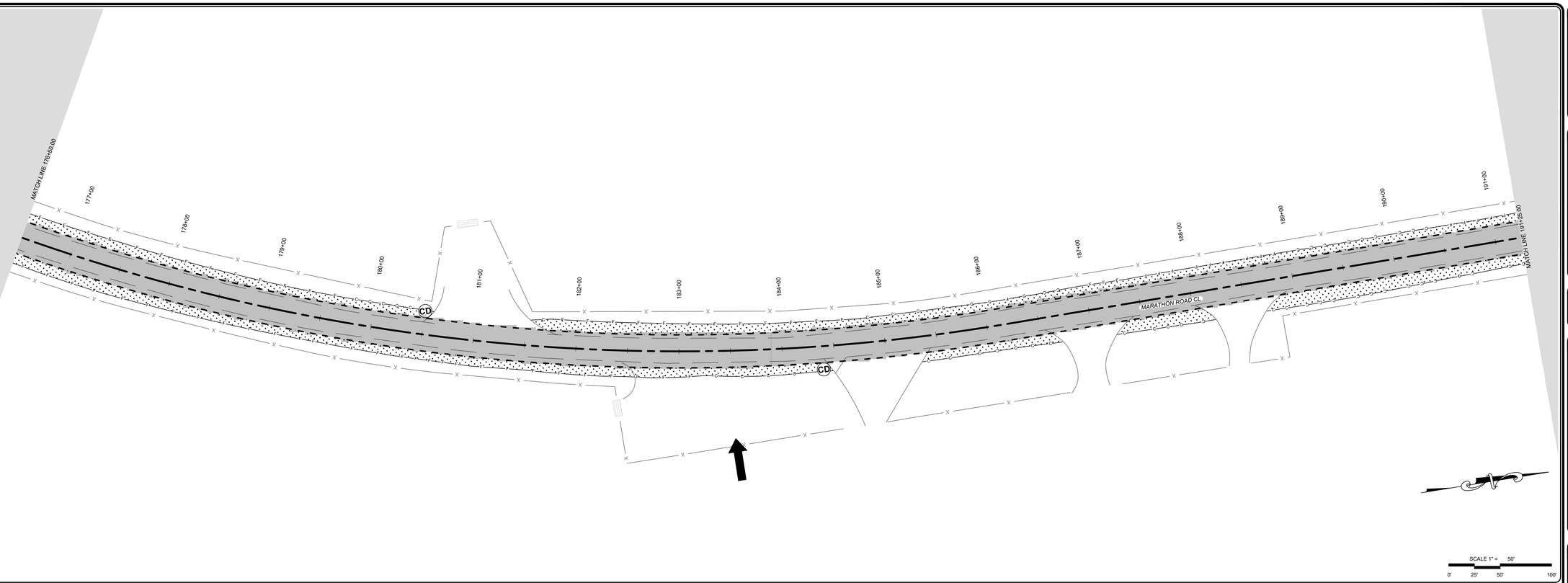
TEMPORARY EROSION AND SEDIMENT CONTROL PLAN
STA: 147+00
TO
STA: 176+50

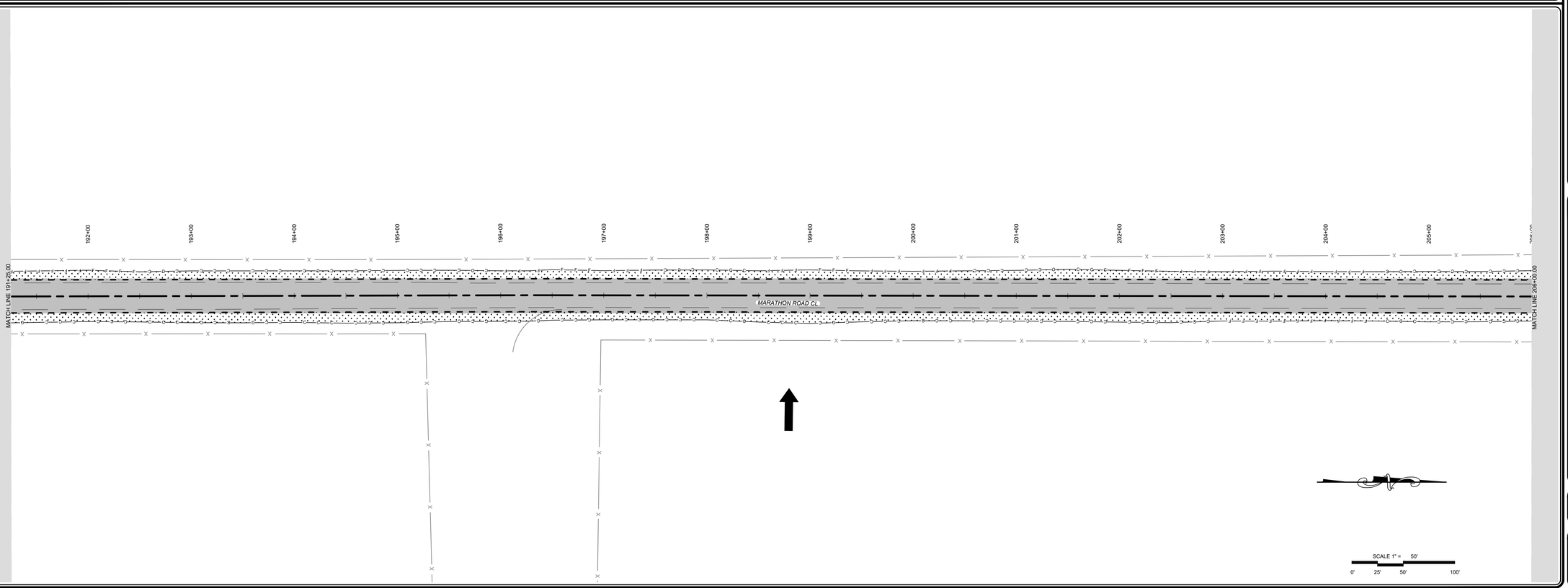
MARATHON ROAD
CR 27A

LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

SHEET:
2-26





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JEREMY BAKER NEW MEXICO 16207 LICENSED PROFESSIONAL ENGINEER

10/14/2020

PROJECT ENGINEER:	JEREMY BAKER, PE
PROJECT DESIGNER:	LAXMI P. PANERU, EI
DRAWN BY:	LPP

LEGEND

X	EXISTING FENCE
C	GRADING LIMITS CUT
F	GRADING LIMITS FILL
	PROPOSED EOR
	EXISTING EOR
	CENTERLINE ALIGNMENT
	SAW CUT
	CLASS A SEEDING
	ASPHALT
	CONCRETE
	STORM FLOW DIRECTION
CD	CHECK DAM
EOR	EDGE OF ROAD
EG	EXISTING GRADE
FG	FINISH GRADE

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS

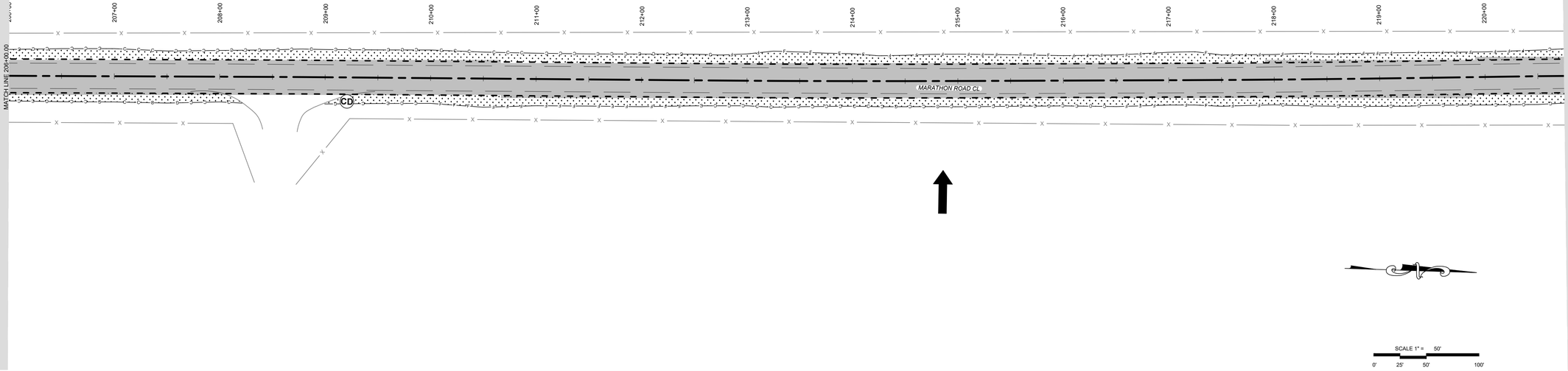
TEMPORARY EROSION AND SEDIMENT CONTROL PLAN
STA: 176+50
TO
STA: 206+00

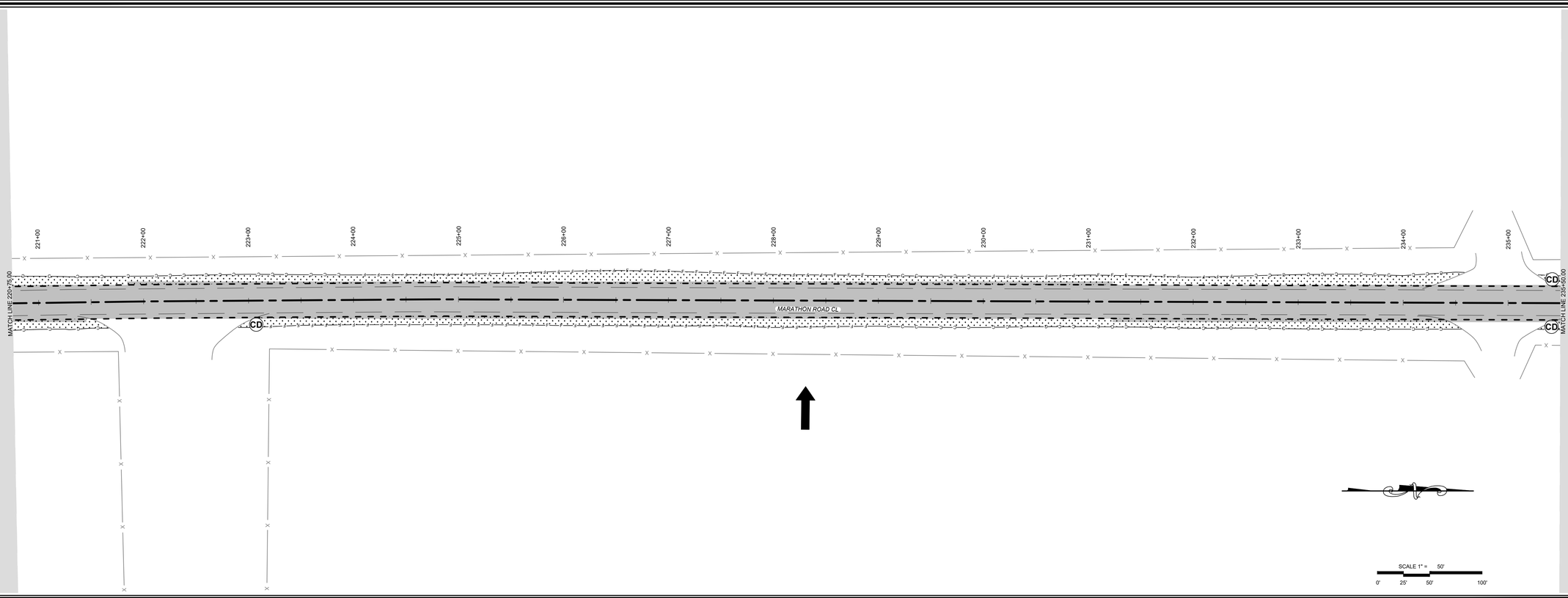
MARATHON ROAD
CR 27A

LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

SHEET:
2-27





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JEREMY BAKER NEW MEXICO 16207 LICENSED PROFESSIONAL ENGINEER

10/14/2020

PROJECT ENGINEER:	JEREMY BAKER, PE
PROJECT DESIGNER:	LAXMI P. PANERU, EI
DRAWN BY:	LPP

LEGEND

- EXISTING FENCE
- GRADING LIMITS CUT
- GRADING LIMITS FILL
- PROPOSED EOR
- EXISTING EOR
- CENTERLINE ALIGNMENT
- SAW CUT
- CLASS A SEEDING
- ASPHALT
- CONCRETE
- STORM FLOW DIRECTION
- CD CHECK DAM
- EOR EDGE OF ROAD
- EG EXISTING GRADE
- FG FINISH GRADE

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS

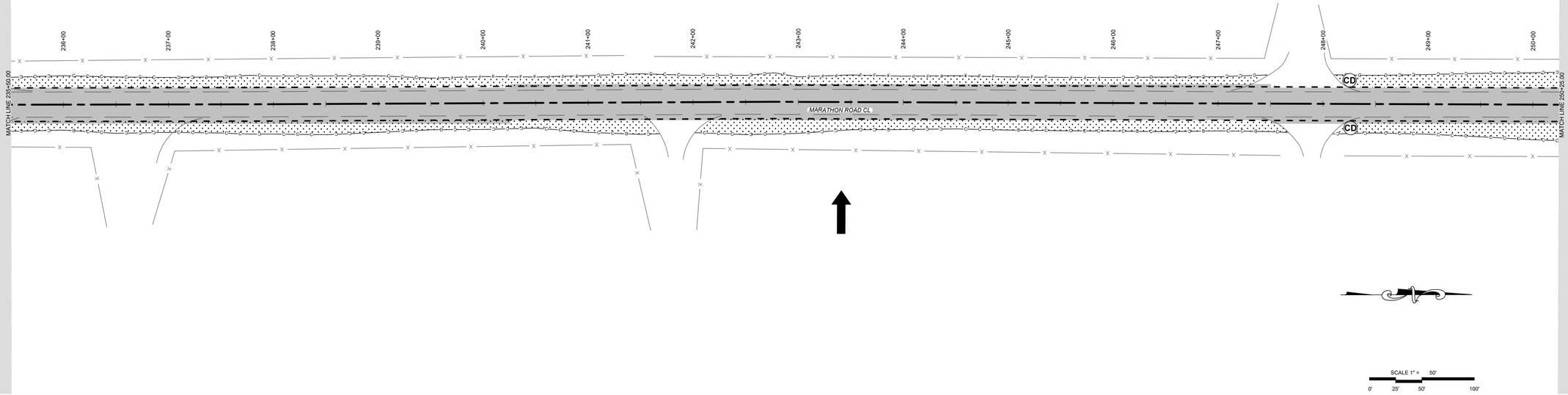
TEMPORARY EROSION AND SEDIMENT CONTROL PLAN
STA: 206+00
TO
STA: 235+50

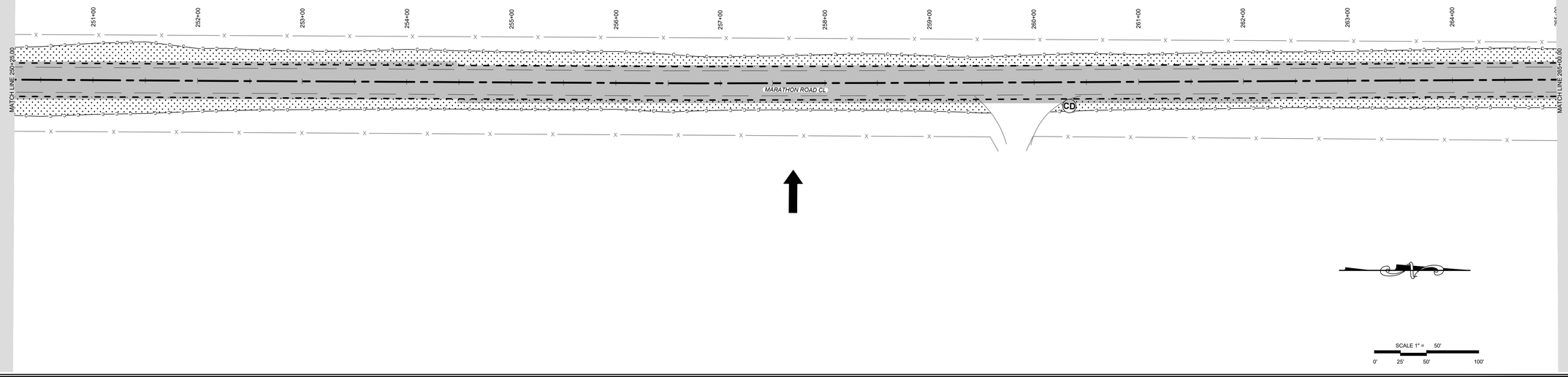
MARATHON ROAD
CR 27A

LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

SHEET:
2-28





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JEREMY BAKER NEW MEXICO 16207 LICENSED PROFESSIONAL ENGINEER

10/14/2020

PROJECT ENGINEER:	JEREMY BAKER, PE
PROJECT DESIGNER:	LAXMI P. PANERU, EI
DRAWN BY:	LPP

LEGEND

X	EXISTING FENCE
C	GRADING LIMITS CUT
F	GRADING LIMITS FILL
	PROPOSED EOR
	EXISTING EOR
	CENTERLINE ALIGNMENT
	SAW CUT
	CLASS A SEEDING
	ASPHALT
	CONCRETE
	STORM FLOW DIRECTION
CD	CHECK DAM
EOR	EDGE OF ROAD
EG	EXISTING GRADE
FG	FINISH GRADE

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS

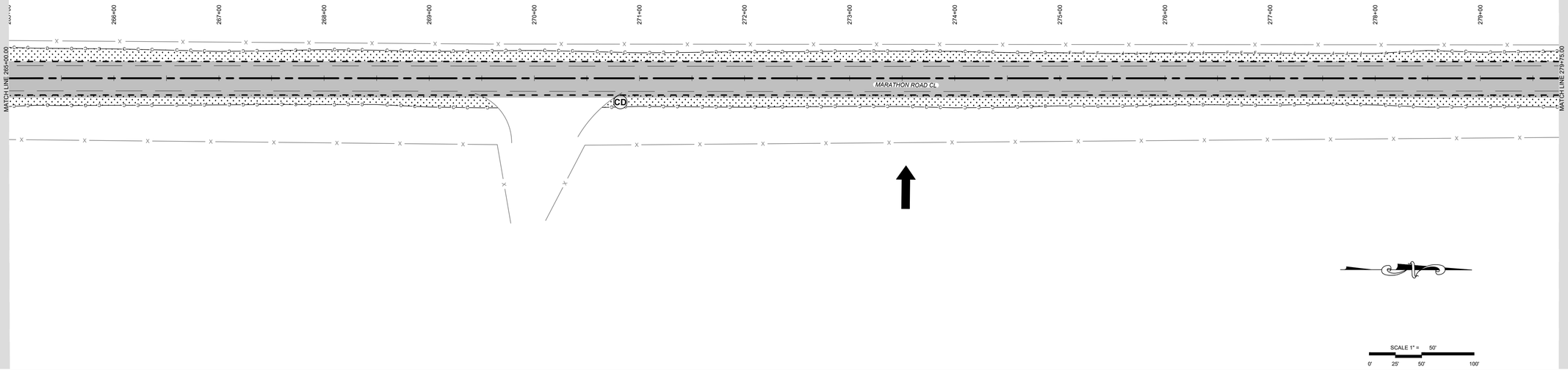
TEMPORARY EROSION AND SEDIMENT CONTROL PLAN
STA: 235+50
TO
STA: 265+00

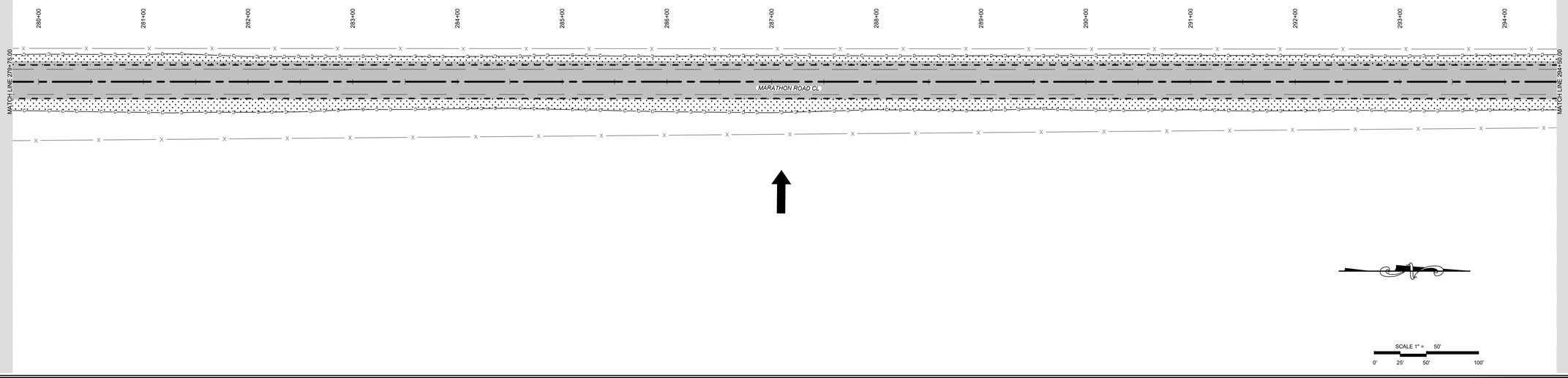
MARATHON ROAD
CR 27A

LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

SHEET:
2-29





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JEREMY BAKER NEW MEXICO 16207 LICENSED PROFESSIONAL ENGINEER

10/14/2020

PROJECT ENGINEER:	JEREMY BAKER, PE
PROJECT DESIGNER:	LAXMI P. PANERU, EI
DRAWN BY:	LPP

LEGEND

X	EXISTING FENCE
C	GRADING LIMITS CUT
F	GRADING LIMITS FILL
	PROPOSED EOR
	EXISTING EOR
	CENTERLINE ALIGNMENT
	SAW CUT
	CLASS A SEEDING
	ASPHALT
	CONCRETE
	STORM FLOW DIRECTION
CD	CHECK DAM
EOR	EDGE OF ROAD
EG	EXISTING GRADE
FG	FINISH GRADE

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS

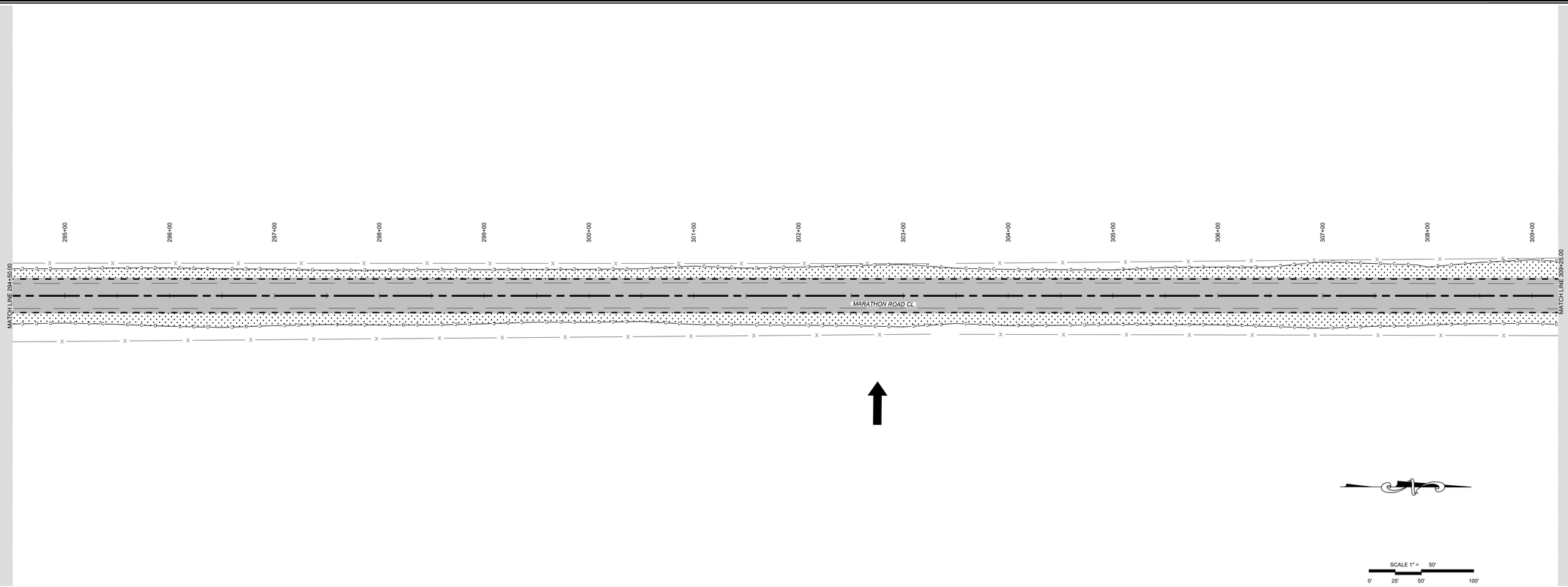
TEMPORARY EROSION AND SEDIMENT CONTROL PLAN
STA: 265+00
TO
STA: 294+50

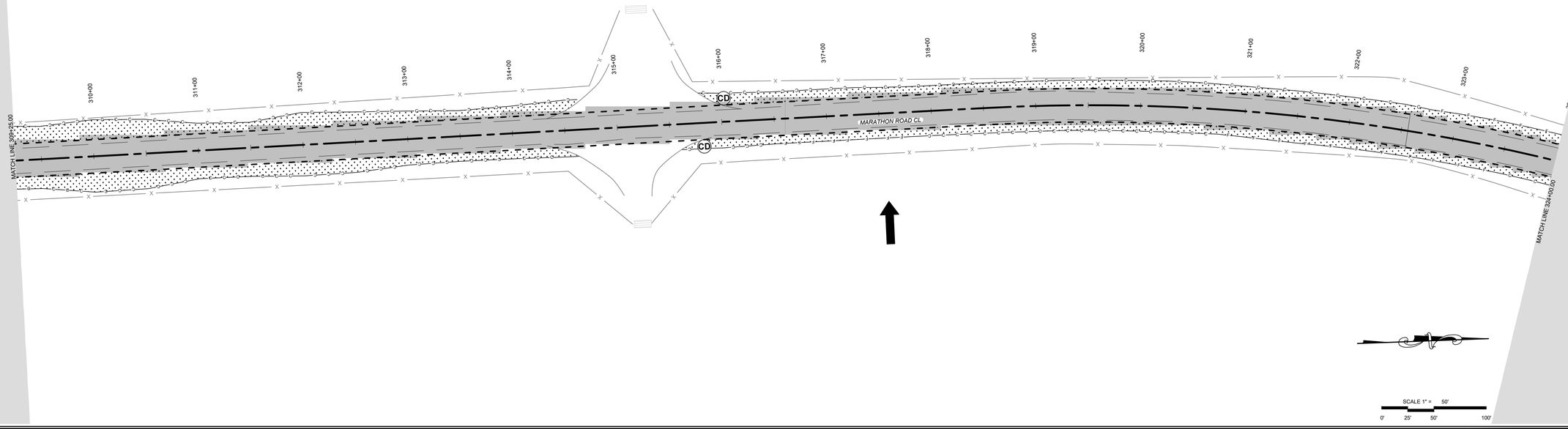
MARATHON ROAD
CR 27A

LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

SHEET:
2-30





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JEREMY BAKER NEW MEXICO 16207 LICENSED PROFESSIONAL ENGINEER

10/14/2020

PROJECT ENGINEER:	JEREMY BAKER, PE
PROJECT DESIGNER:	LAXMI P. PANERU, EI
DRAWN BY:	LPP

LEGEND

X	EXISTING FENCE
C	GRADING LIMITS CUT
F	GRADING LIMITS FILL
	PROPOSED EOR
	EXISTING EOR
	CENTERLINE ALIGNMENT
	SAW CUT
	CLASS A SEEDING
	ASPHALT
	CONCRETE
	STORM FLOW DIRECTION
CD	CHECK DAM
EOR	EDGE OF ROAD
EG	EXISTING GRADE
FG	FINISH GRADE

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS

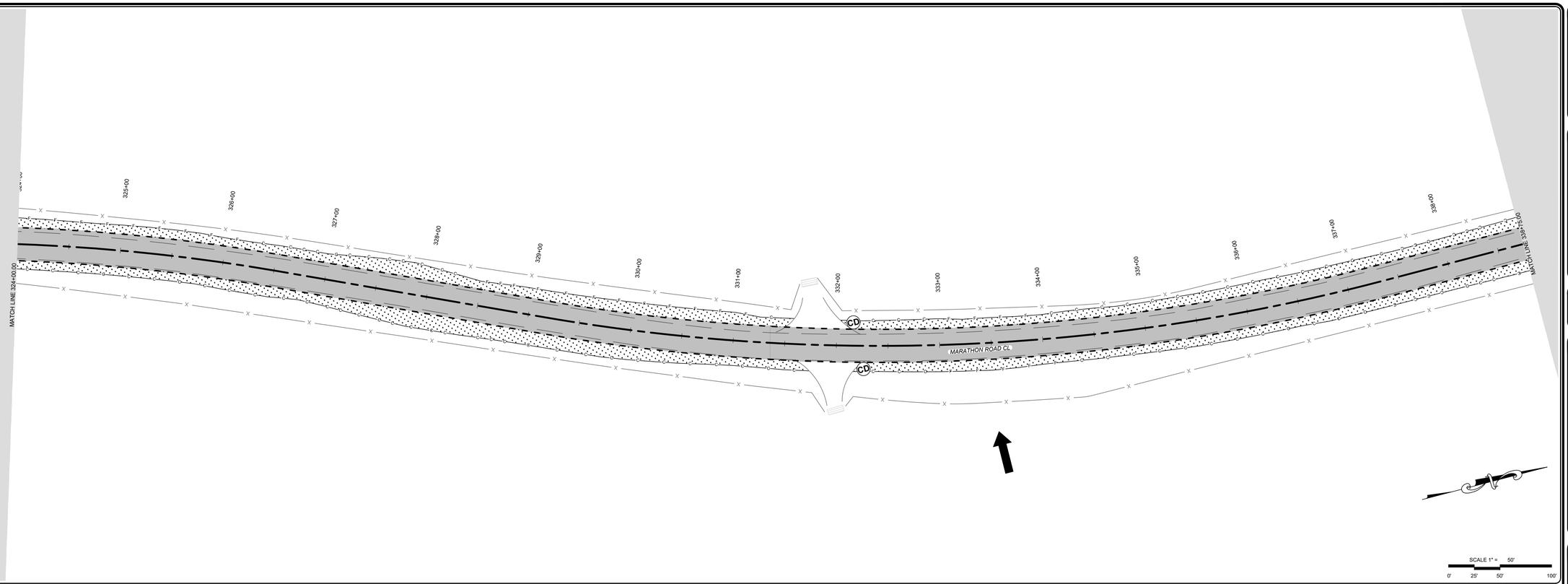
TEMPORARY EROSION AND SEDIMENT CONTROL PLAN
STA: 294+50
TO
STA: 324+00

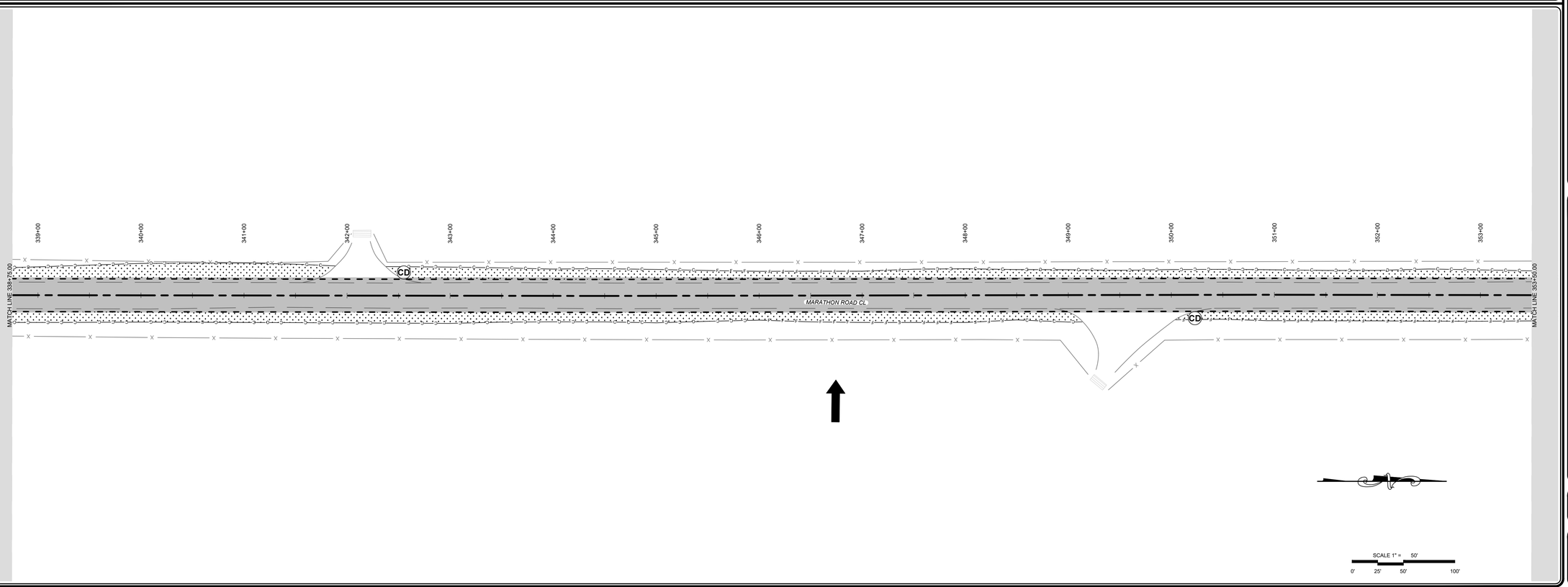
MARATHON ROAD
CR 27A

LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

SHEET:
2-31





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JEREMY BAKER
NEW MEXICO
16207
LICENSED PROFESSIONAL ENGINEER
10/14/2020

PROJECT ENGINEER:	JEREMY BAKER, PE
PROJECT DESIGNER:	LAXMI P. PANERU, EI
DRAWN BY:	LPP

LEGEND

X	EXISTING FENCE
C	GRADING LIMITS CUT
F	GRADING LIMITS FILL
	PROPOSED EOR
	EXISTING EOR
	CENTERLINE ALIGNMENT
	SAW CUT
	CLASS A SEEDING
	ASPHALT
	CONCRETE
	STORM FLOW DIRECTION
CD	CHECK DAM
EOR	EDGE OF ROAD
EG	EXISTING GRADE
FG	FINISH GRADE

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS

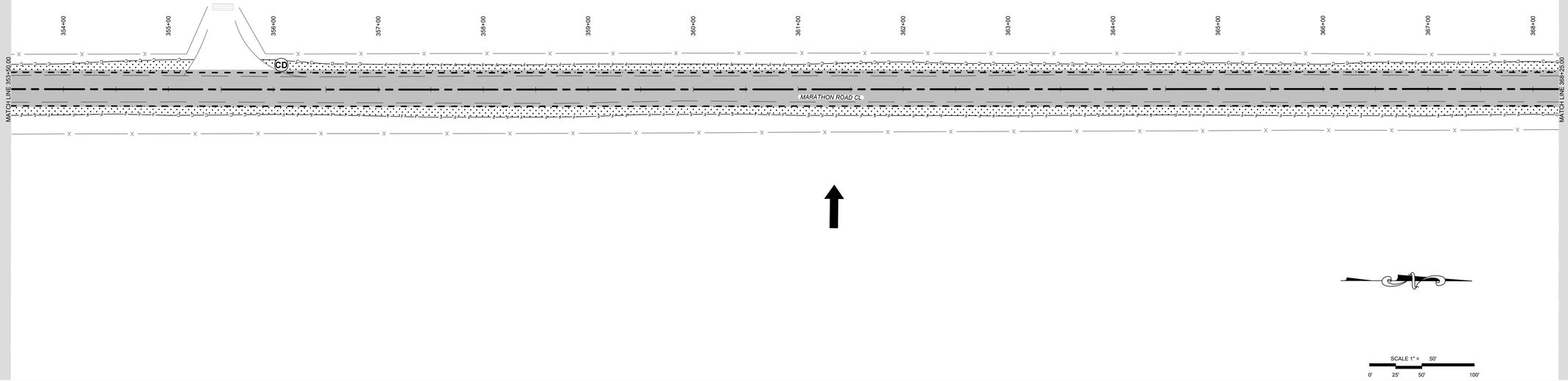
TEMPORARY EROSION AND SEDIMENT CONTROL PLAN
STA: 324+00
TO
STA: 353+50

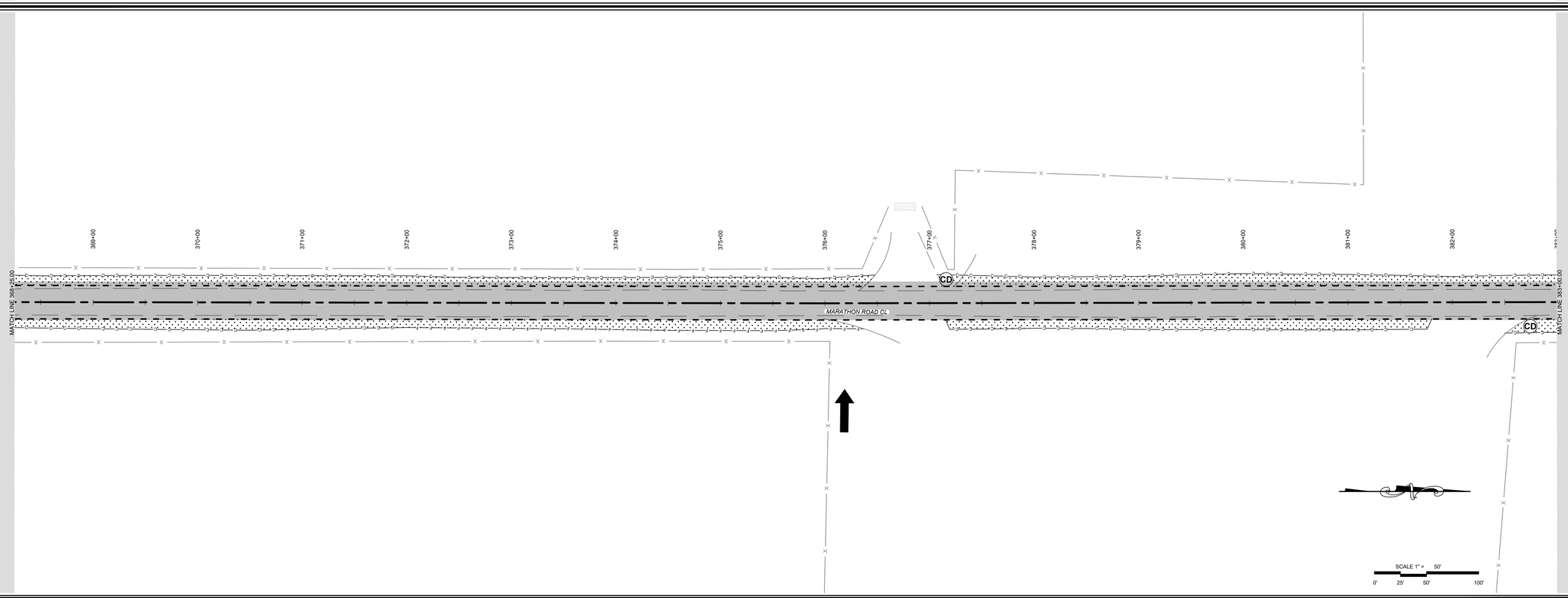
MARATHON ROAD
CR 27A

LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

SHEET:
2-32





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JEREMY BAKER
NEW MEXICO
16207
LICENSED PROFESSIONAL ENGINEER

10/14/2020

PROJECT ENGINEER:	JEREMY BAKER, PE
PROJECT DESIGNER:	LAXMI P. PANERU, EI
DRAWN BY:	LPP

LEGEND

- EXISTING FENCE
- GRADING LIMITS CUT
- GRADING LIMITS FILL
- PROPOSED EOR
- EXISTING EOR
- CENTERLINE ALIGNMENT
- SAW CUT
- CLASS A SEEDING
- ASPHALT
- CONCRETE
- STORM FLOW DIRECTION
- CD — CHECK DAM
- EOR — EDGE OF ROAD
- EG — EXISTING GRADE
- FG — FINISH GRADE

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS

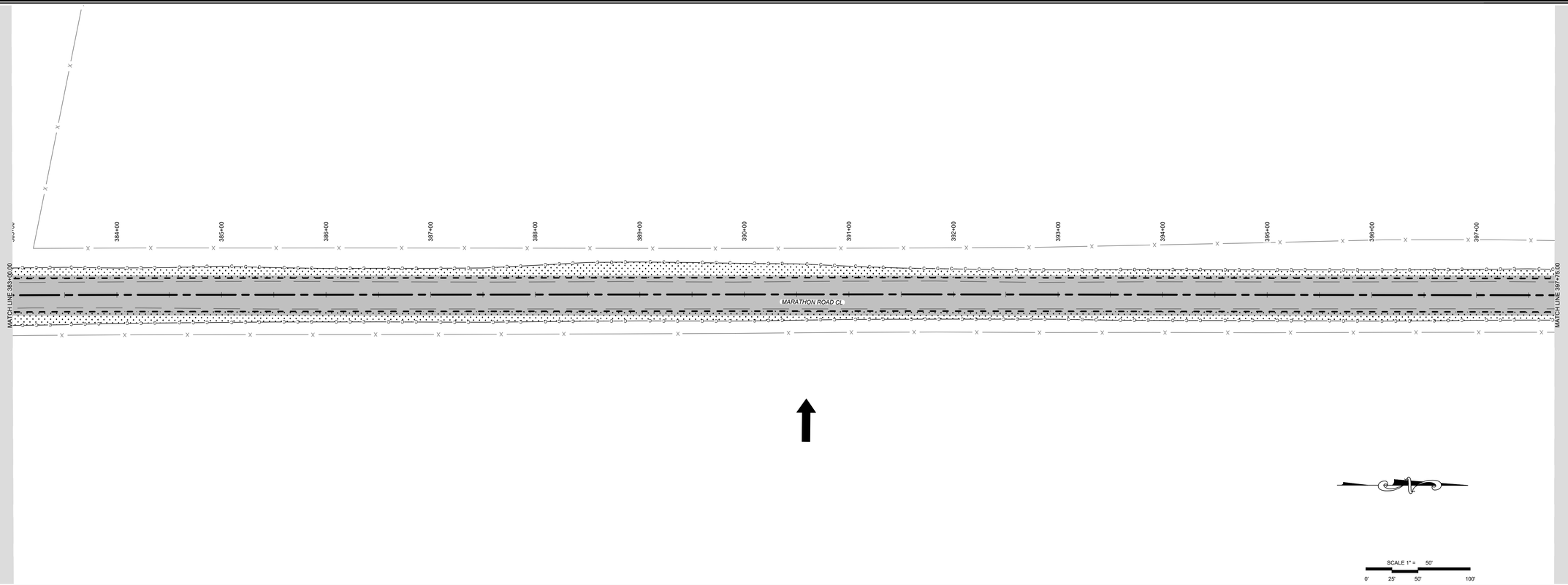
TEMPORARY EROSION AND SEDIMENT CONTROL PLAN
STA: 353+50
TO
STA: 383+00

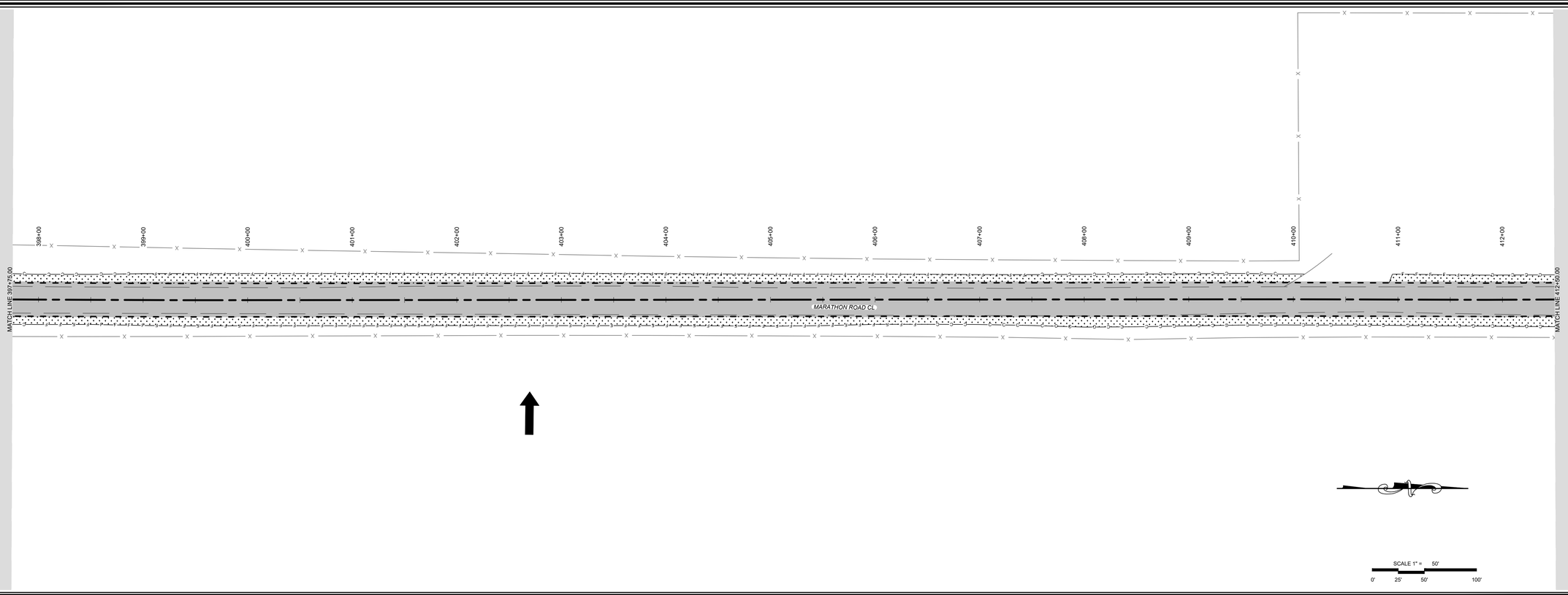
MARATHON ROAD
CR 27A

LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

SHEET:
2-33





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JEREMY BAKER
NEW MEXICO
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LICENSED PROFESSIONAL ENGINEER

10/14/2020

PROJECT ENGINEER:	JEREMY BAKER, PE
PROJECT DESIGNER:	LAXMI P. PANERU, EI
DRAWN BY:	LPP

LEGEND

- EXISTING FENCE
- GRADING LIMITS CUT
- GRADING LIMITS FILL
- PROPOSED EOR
- EXISTING EOR
- CENTERLINE ALIGNMENT
- SAW CUT
- CLASS A SEEDING
- ASPHALT
- CONCRETE
- STORM FLOW DIRECTION
- CHECK DAM
- EOR — EDGE OF ROAD
- EG — EXISTING GRADE
- FG — FINISH GRADE

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS

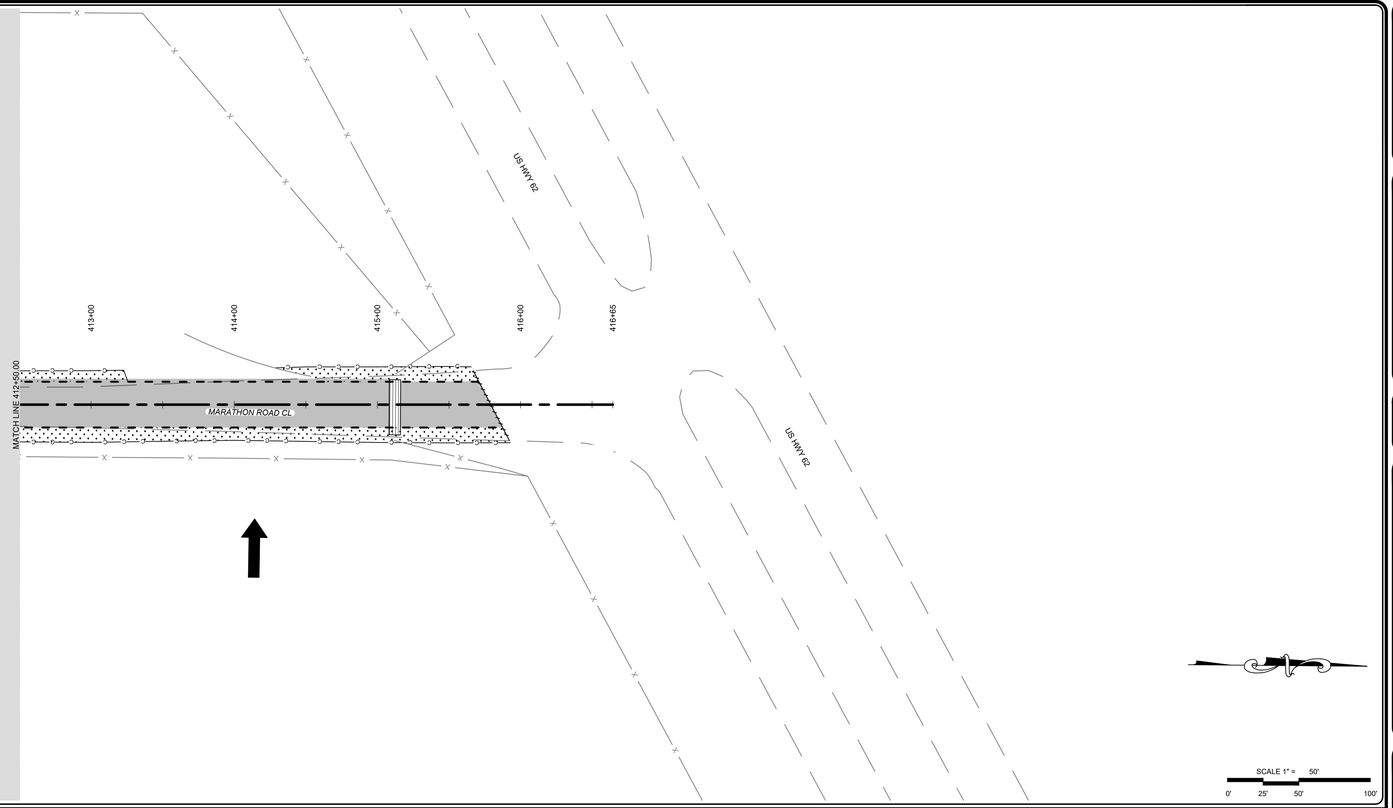
TEMPORARY EROSION AND SEDIMENT CONTROL PLAN
STA: 383+00
TO
STA: 412+50

MARATHON ROAD
CR 27A

LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

SHEET:
2-34



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JEREMY BAKER NEW MEXICO 16207 LICENSED PROFESSIONAL ENGINEER
10/14/2020

PROJECT ENGINEER:	JEREMY BAKER, PE
PROJECT DESIGNER:	LAXMI P. PANERU, EI
DRAWN BY:	LPP

LEGEND

X	EXISTING FENCE
C	GRADING LIMITS CUT
F	GRADING LIMITS FILL
	PROPOSED EOR
	EXISTING EOR
	CENTERLINE ALIGNMENT
	SAW CUT
	CLASS A SEEDING
	ASPHALT
	CONCRETE
	STORM FLOW DIRECTION
	CHECK DAM
EOR	EDGE OF ROAD
EG	EXISTING GRADE
FG	FINISH GRADE

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS

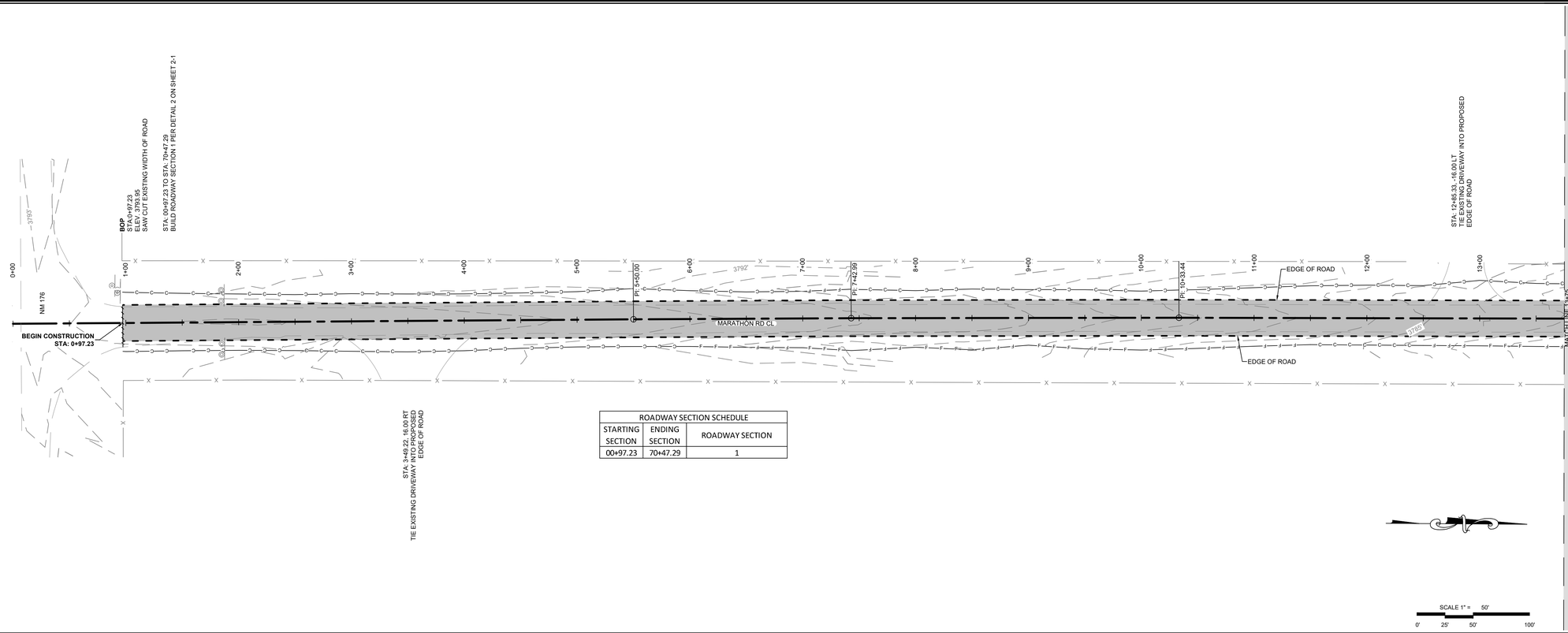
TEMPORARY EROSION AND SEDIMENT CONTROL PLAN
STA: 412+50
TO
STA: 416+65

MARATHON ROAD
CR 27A

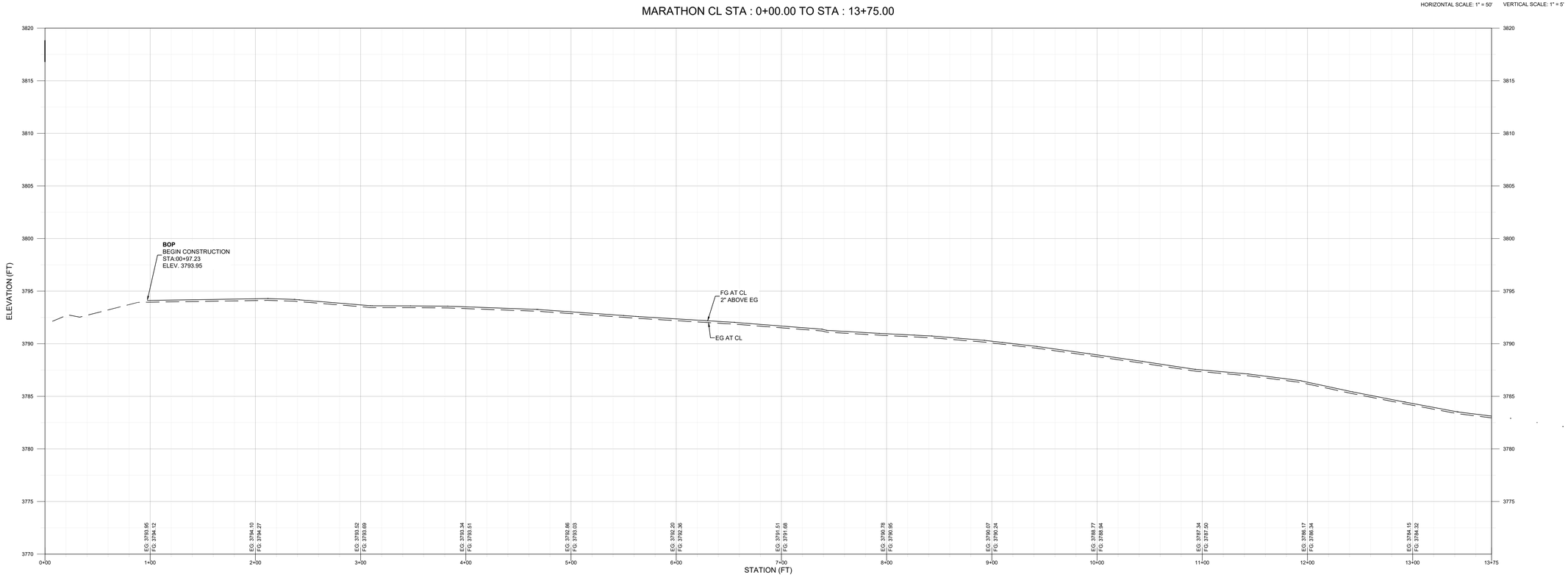
LEA COUNTY, NM

PROJECT NUMBER: 2020.1033

SHEET: 2-35



ROADWAY SECTION SCHEDULE		
STARTING SECTION	ENDING SECTION	ROADWAY SECTION
00+97.23	70+47.29	1



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JEREMY BAKER NEW MEXICO 16207 LICENSED PROFESSIONAL ENGINEER

10/14/2020

PROJECT ENGINEER:	JEREMY BAKER, PE
PROJECT DESIGNER:	LAXMI P. PANERU, EI
DRAWN BY:	LPP

LEGEND

- EXIST. GRADE 1' CONTOUR
- EXIST. GRADE 5' CONTOUR
- C — GRADING LIMITS CUT
- F — GRADING LIMITS FILL
- PROPOSED EOR
- EXISTING EOR
- X — EXISTING FENCE
- CENTERLINE ALIGNMENT
- SAW CUT
- RELOCATED CULVERT
- ASPHALT
- CONCRETE
- EOR — EDGE OF ROAD
- EG — EXISTING GRADE
- FG — FINISH GRADE

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS

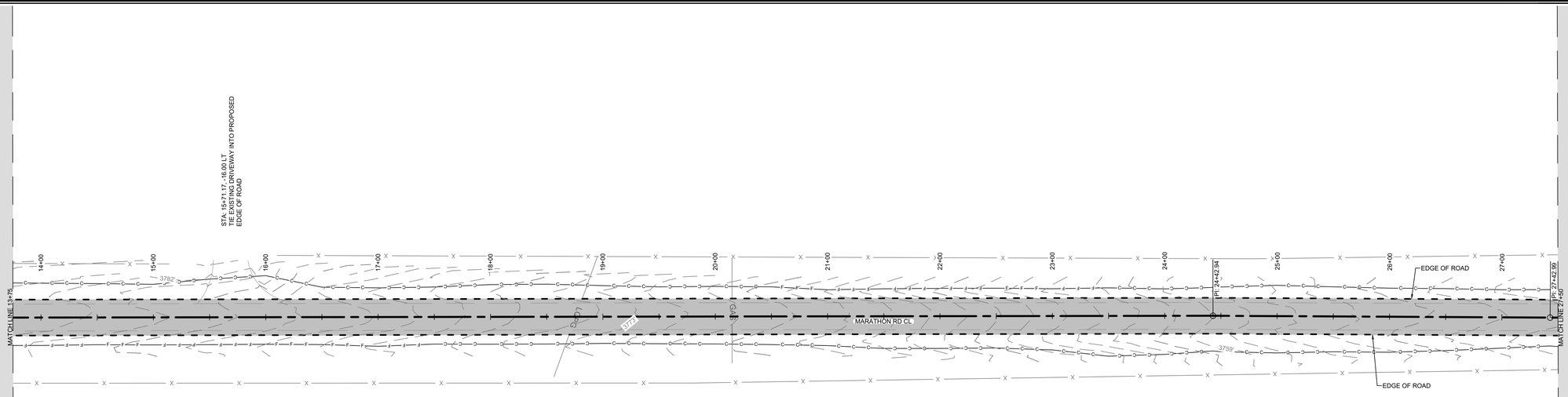
PLAN AND PROFILE
STA: 00+00
TO
STA: 13+75

MARATHON ROAD
CR 27A

LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

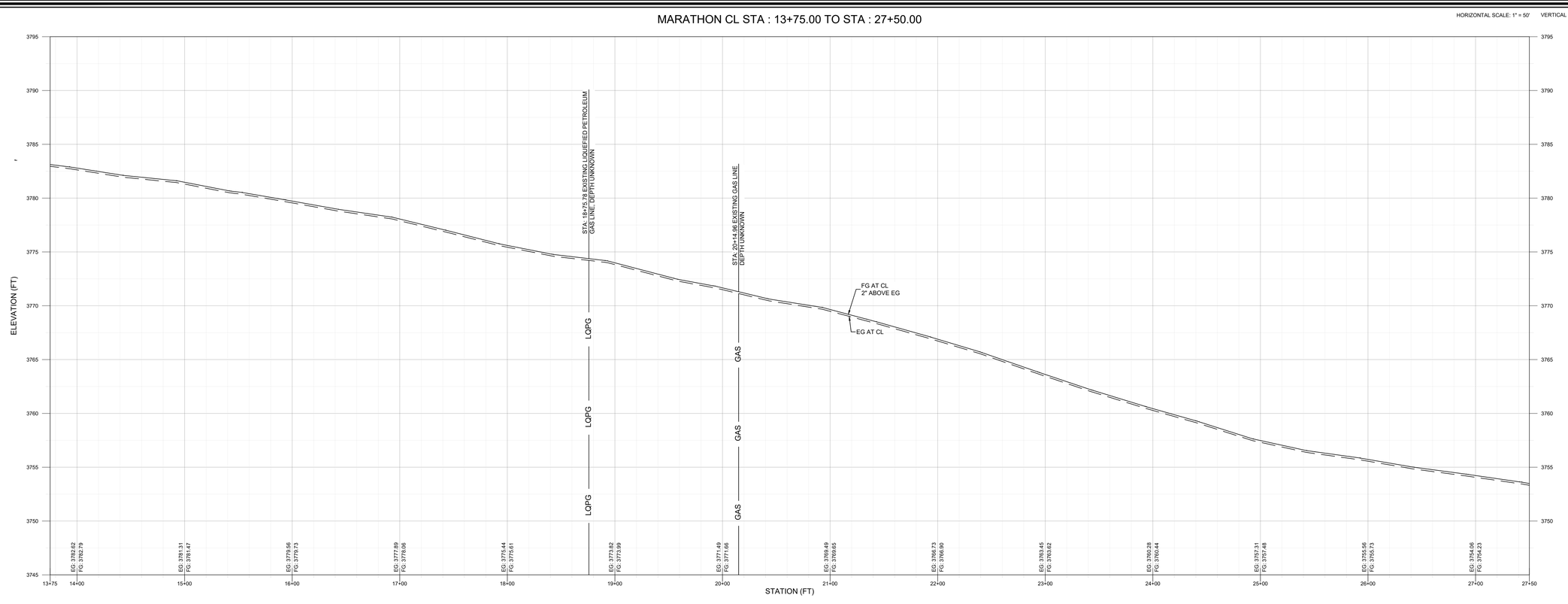
SHEET:
3 - 1



ROADWAY SECTION SCHEDULE		
STARTING SECTION	ENDING SECTION	ROADWAY SECTION
00+97.23	70+47.29	1

SCALE 1" = 50'

0' 25' 50' 100'



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LICENSED PROFESSIONAL ENGINEER

10/14/2020

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PROJECT DESIGNER:	LAXMI P. PANERU, EI
DRAWN BY:	LPP

LEGEND

- EXIST. GRADE 1' CONTOUR
- EXIST. GRADE 5' CONTOUR
- C — GRADING LIMITS CUT
- F — GRADING LIMITS FILL
- PROPOSED EOR
- EXISTING EOR
- X — EXISTING FENCE
- CENTERLINE ALIGNMENT
- SAW CUT
- RELOCATED CULVERT
- ASPHALT
- CONCRETE
- EOR — EDGE OF ROAD
- EG — EXISTING GRADE
- FG — FINISH GRADE

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS

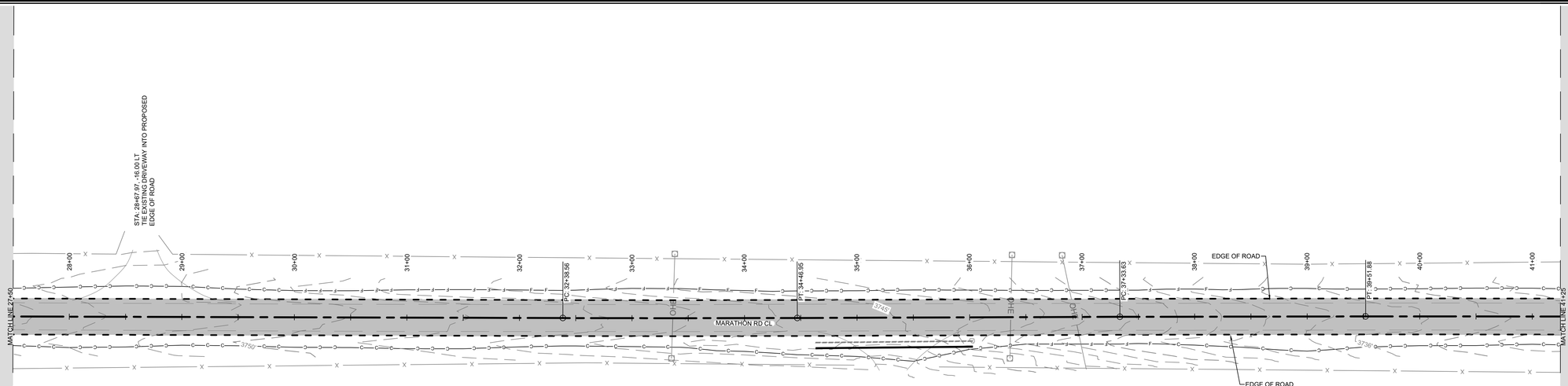
PLAN AND PROFILE
STA: 13+75
TO
STA: 27+50

MARATHON ROAD
CR 27A

LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

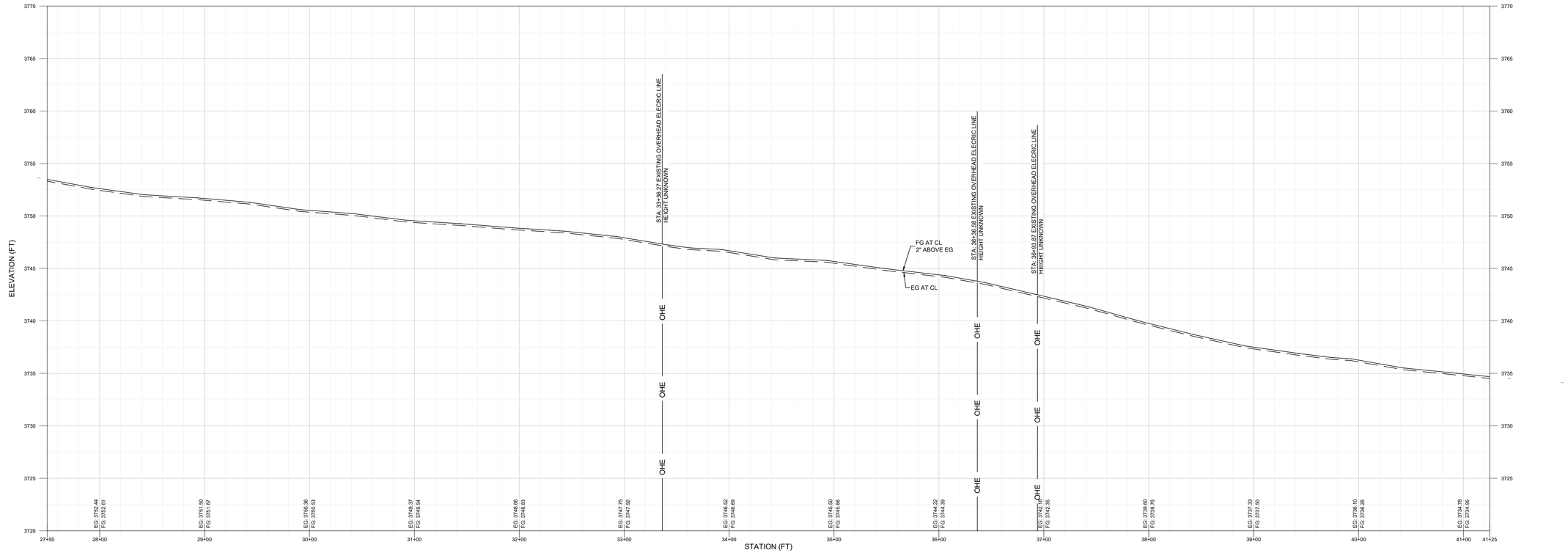
SHEET:
3 - 2



ROADWAY SECTION SCHEDULE		
STARTING SECTION	ENDING SECTION	ROADWAY SECTION
00+97.23	70+47.29	1

MARATHON CL STA : 27+50.00 TO STA : 41+25.00

HORIZONTAL SCALE: 1" = 50' VERTICAL SCALE: 1" = 5'



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LEGEND

- EXIST. GRADE 1' CONTOUR
- EXIST. GRADE 5' CONTOUR
- C — GRADING LIMITS CUT
- F — GRADING LIMITS FILL
- PROPOSED EOR
- EXISTING EOR
- X — EXISTING FENCE
- CENTERLINE ALIGNMENT
- SAW CUT
- EXISTING CULVERT
- RELOCATED CULVERT
- ASPHALT
- CONCRETE
- EOR — EDGE OF ROAD
- EG — EXISTING GRADE
- FG — FINISH GRADE

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS

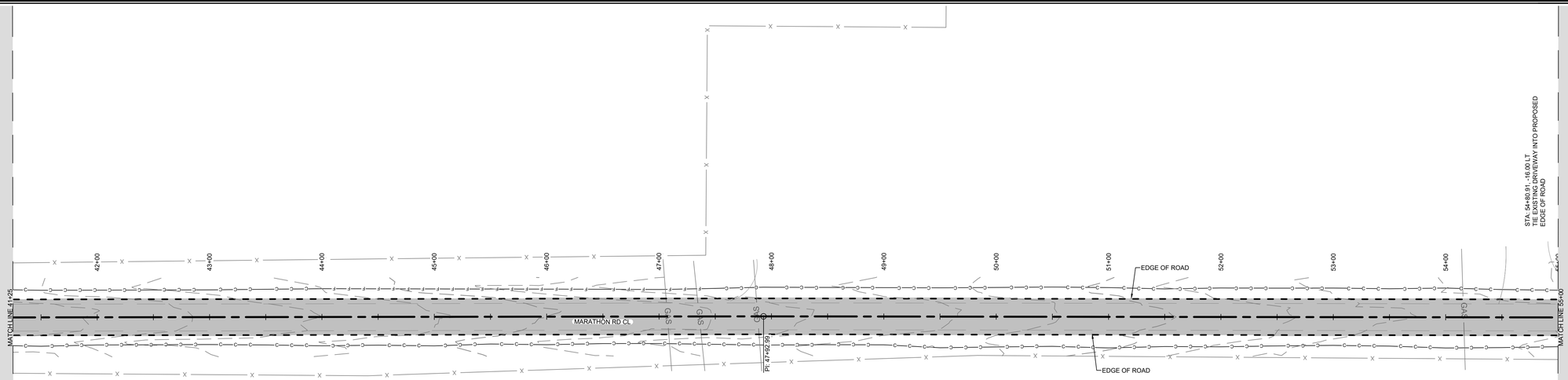
PLAN AND PROFILE
STA: 27+50
TO
STA: 41+25

MARATHON ROAD
CR 27A

LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

SHEET:
3 - 3



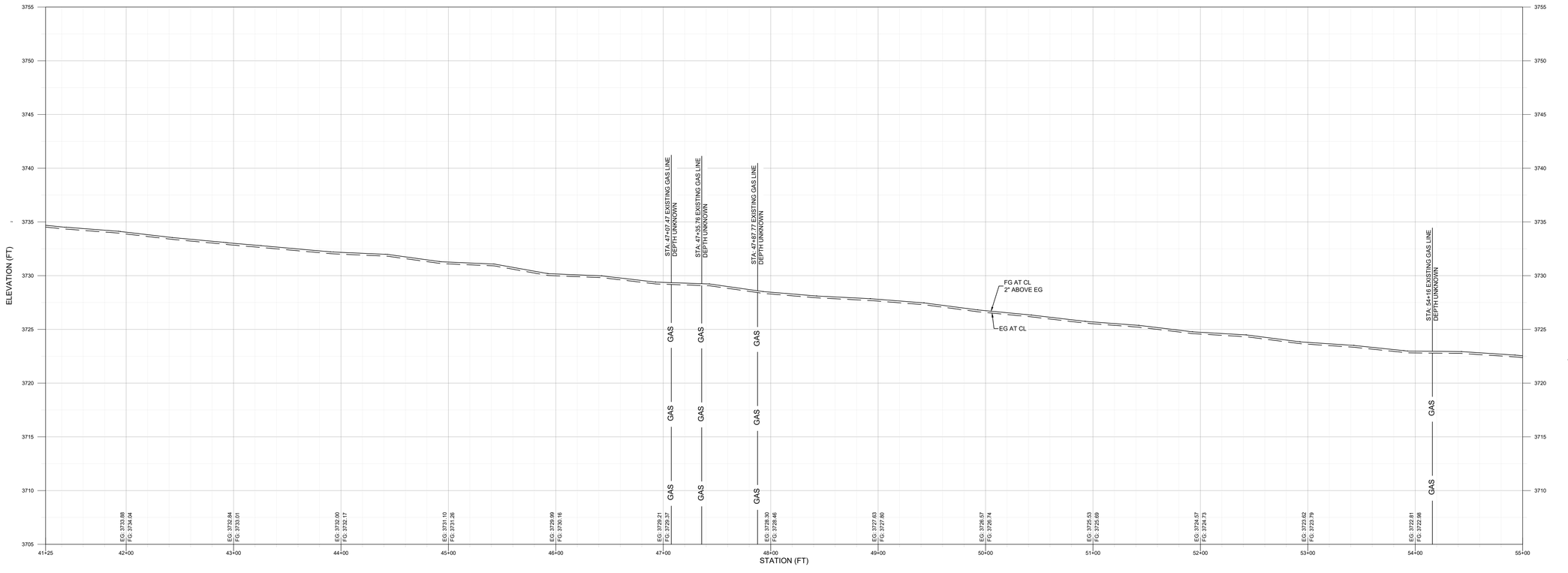
ROADWAY SECTION SCHEDULE		
STARTING SECTION	ENDING SECTION	ROADWAY SECTION
00+97.23	70+47.29	1

SCALE 1" = 50'

0' 25' 50' 100'

MARATHON CL STA : 41+25.00 TO STA : 55+00.00

HORIZONTAL SCALE: 1" = 50' VERTICAL SCALE: 1" = 5'



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DRAWN BY:	LPP

LEGEND

- EXIST. GRADE 1' CONTOUR
- EXIST. GRADE 5' CONTOUR
- C — GRADING LIMITS CUT
- F — GRADING LIMITS FILL
- PROPOSED EOR
- EXISTING EOR
- X — EXISTING FENCE
- CENTERLINE ALIGNMENT
- SAW CUT
- RELOCATED CULVERT
- ASPHALT
- CONCRETE
- EOR — EDGE OF ROAD
- EG — EXISTING GRADE
- FG — FINISH GRADE

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS

PLAN AND PROFILE
STA: 41+25
TO
STA: 55+00

MARATHON ROAD
CR 27A

LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

SHEET:
3 - 4

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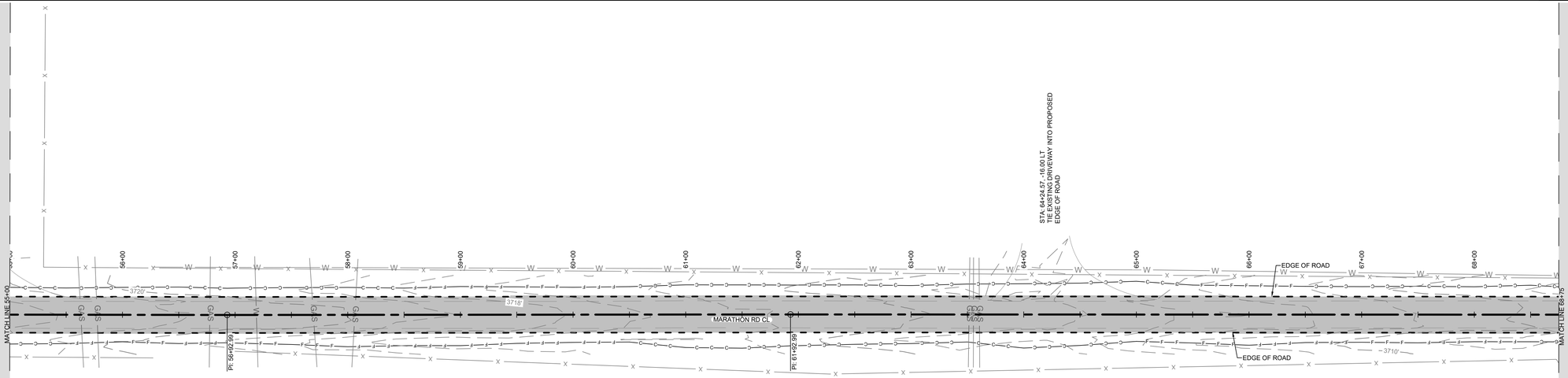
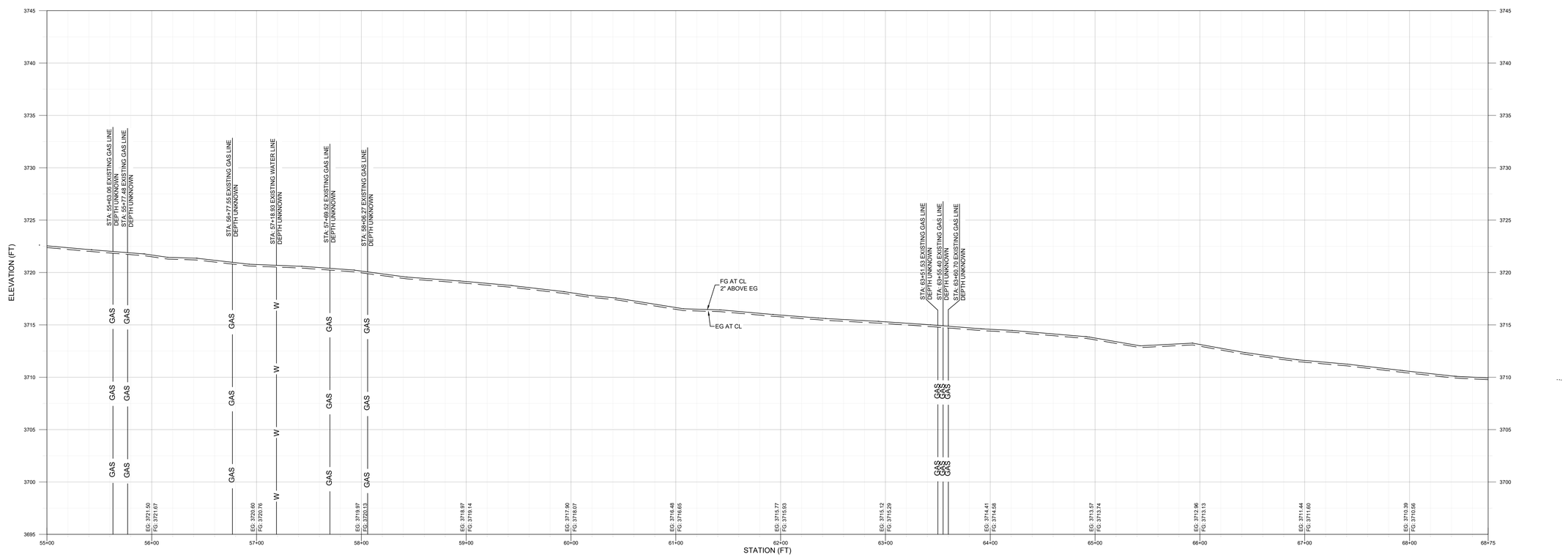


ROADWAY SECTION SCHEDULE		
STARTING SECTION	ENDING SECTION	ROADWAY SECTION
00+97.23	70+47.29	1

SCALE 1" = 50'

0' 25' 50' 100'



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LEGEND

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- EXIST. GRADE 5' CONTOUR
- C — GRADING LIMITS CUT
- F — GRADING LIMITS FILL
- PROPOSED EOR
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- CENTERLINE ALIGNMENT
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- RELOCATED CULVERT
- ASPHALT
- CONCRETE
- EOR — EDGE OF ROAD
- EG — EXISTING GRADE
- FG — FINISH GRADE

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS

PLAN AND PROFILE
STA: 55+00
TO
STA: 68+75

MARATHON ROAD
CR 27A

LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

SHEET:
3 - 5

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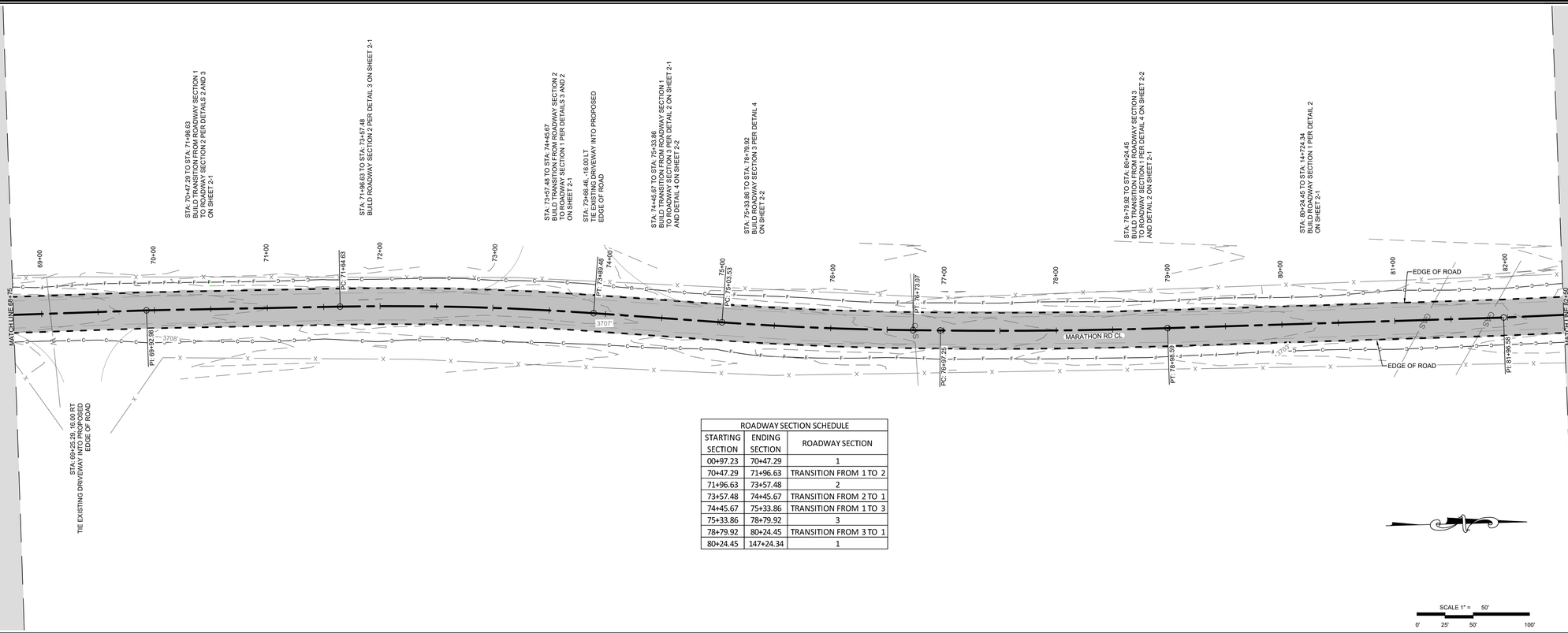
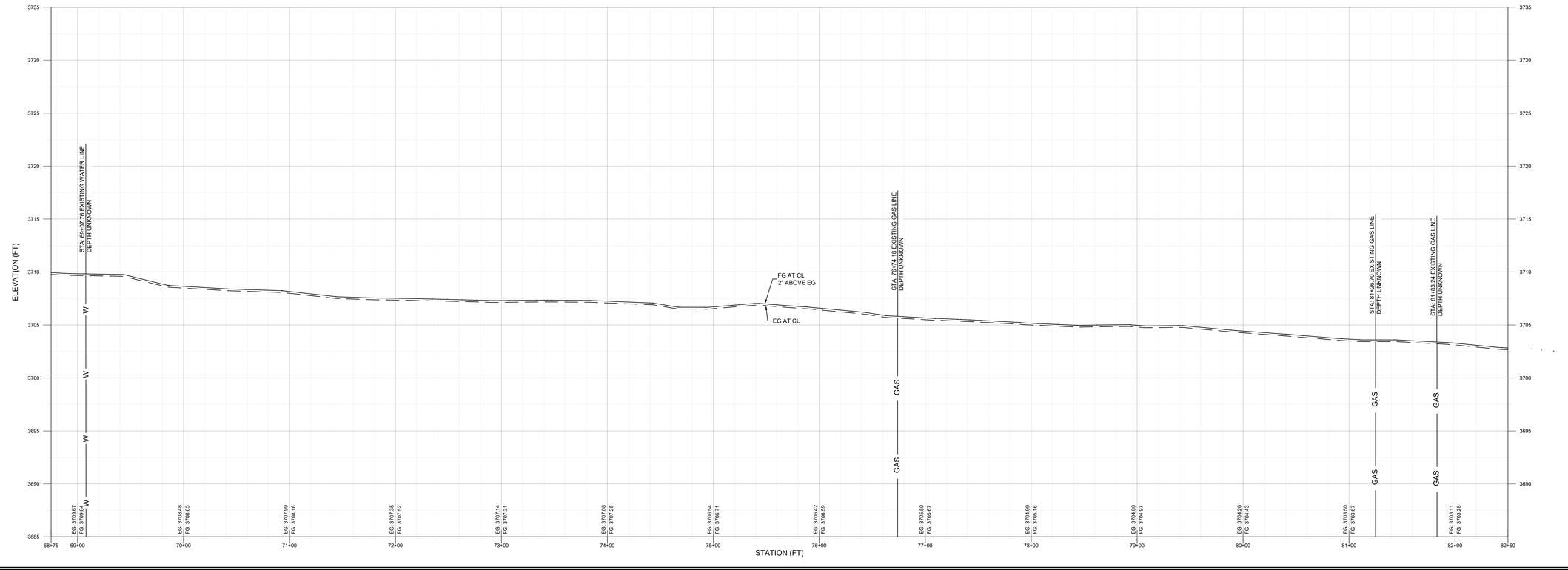


ROADWAY SECTION SCHEDULE		
STARTING SECTION	ENDING SECTION	ROADWAY SECTION
00+97.23	70+47.29	1
70+47.29	71+96.63	TRANSITION FROM 1 TO 2
71+96.63	73+57.48	2
73+57.48	74+45.67	TRANSITION FROM 2 TO 1
74+45.67	75+33.86	TRANSITION FROM 1 TO 3
75+33.86	78+79.92	3
78+79.92	80+24.45	TRANSITION FROM 3 TO 1
80+24.45	147+24.34	1



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JEREMY BAKER
NEW MEXICO
16207
REGISTERED PROFESSIONAL ENGINEER
10/14/2020

PROJECT ENGINEER:	JEREMY BAKER, PE
PROJECT DESIGNER:	LAXMI P. PANERU, EI
DRAWN BY:	LPP

LEGEND

- EXIST. GRADE 1' CONTOUR
- EXIST. GRADE 5' CONTOUR
- C — GRADING LIMITS CUT
- F — GRADING LIMITS FILL
- PROPOSED EOR
- EXISTING EOR
- X — EXISTING FENCE
- CENTERLINE ALIGNMENT
- SAW CUT
- RELOCATED CULVERT
- ASPHALT
- CONCRETE
- EOR — EDGE OF ROAD
- EG — EXISTING GRADE
- FG — FINISH GRADE

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS

PLAN AND PROFILE
STA: 68+75
TO
STA: 82+50

MARATHON ROAD
CR 27A

LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

SHEET:
3 - 6

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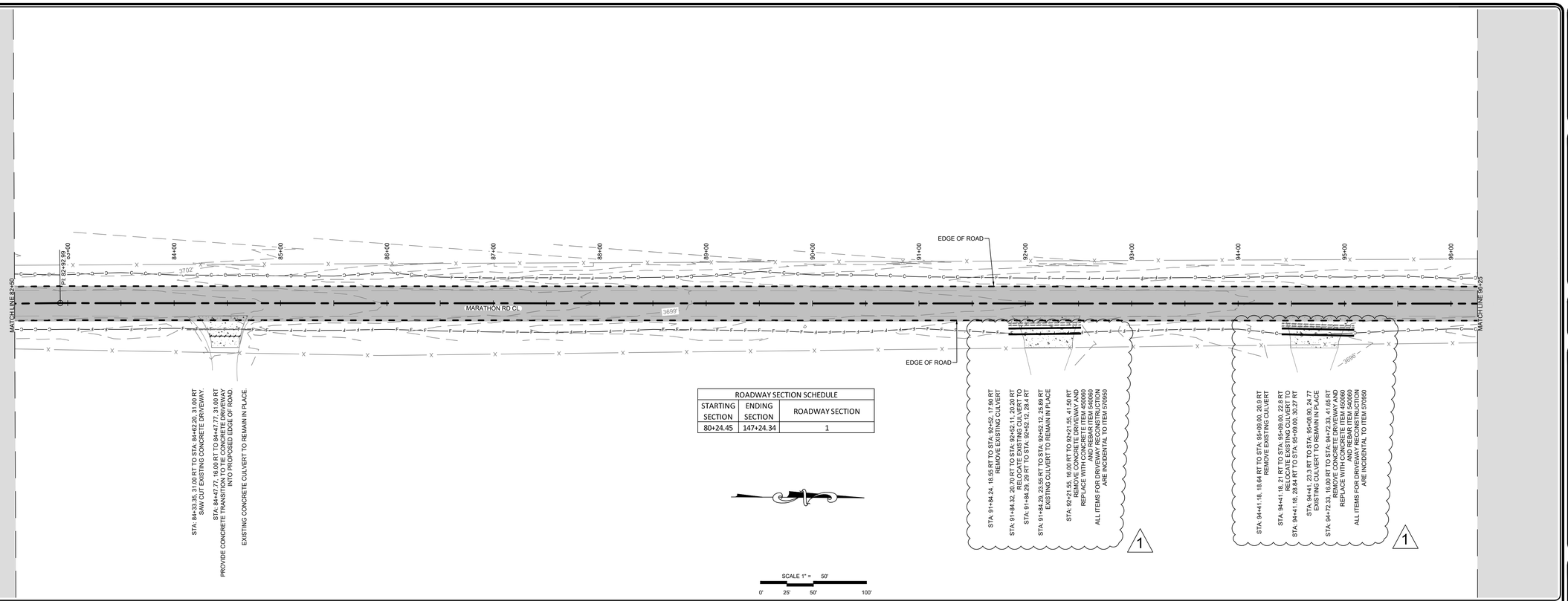
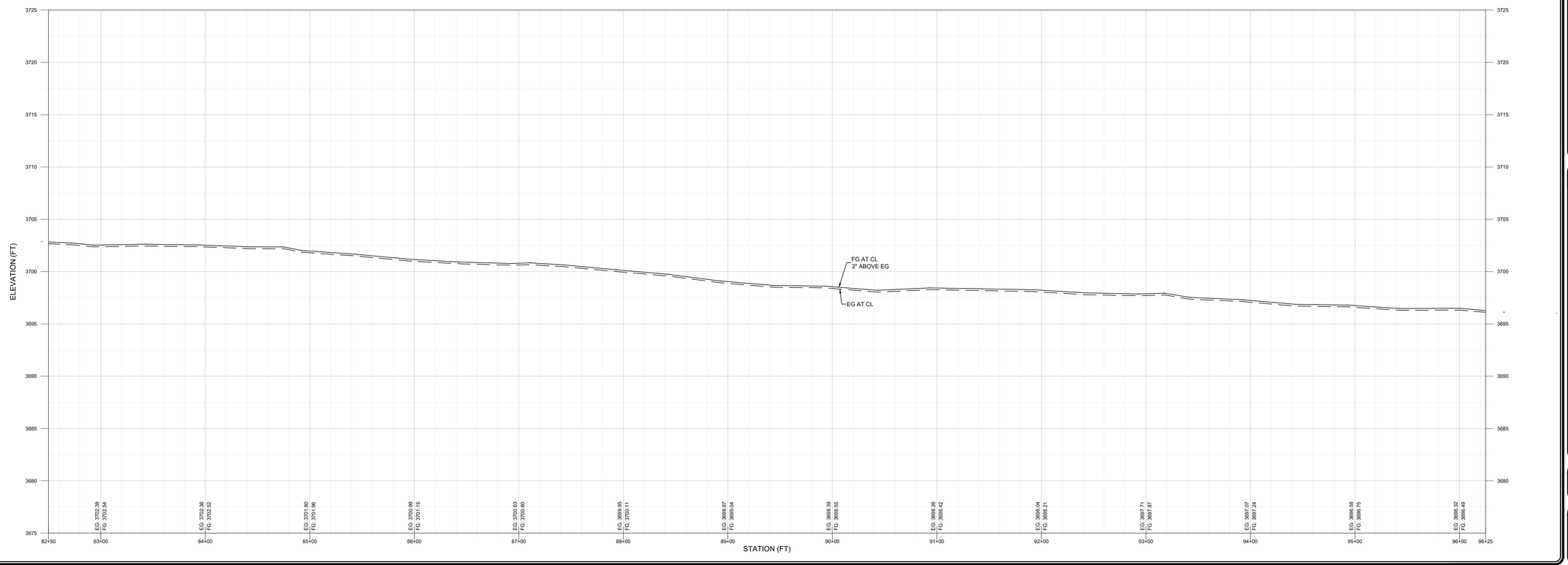


ROADWAY SECTION SCHEDULE		
STARTING SECTION	ENDING SECTION	ROADWAY SECTION
80+24.45	147+24.34	1

SCALE 1" = 50'

0' 25' 50' 100'



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JEREMY BAKER NEW MEXICO 16207 REGISTERED PROFESSIONAL ENGINEER

10/14/2020

PROJECT ENGINEER:	JEREMY BAKER, PE
PROJECT DESIGNER:	LAXMI P. PANERU, EI
DRAWN BY:	LPP

LEGEND

- EXIST. GRADE 1' CONTOUR
- EXIST. GRADE 5' CONTOUR
- C — GRADING LIMITS CUT
- F — GRADING LIMITS FILL
- PROPOSED EOR
- EXISTING EOR
- EXISTING FENCE
- CENTERLINE ALIGNMENT
- SAW CUT
- EXISTING CULVERT
- RELOCATED CULVERT
- ASPHALT
- CONCRETE
- EOR — EDGE OF ROAD
- EG — EXISTING GRADE
- FG — FINISH GRADE

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS REVISED CULVERT LAYOUT

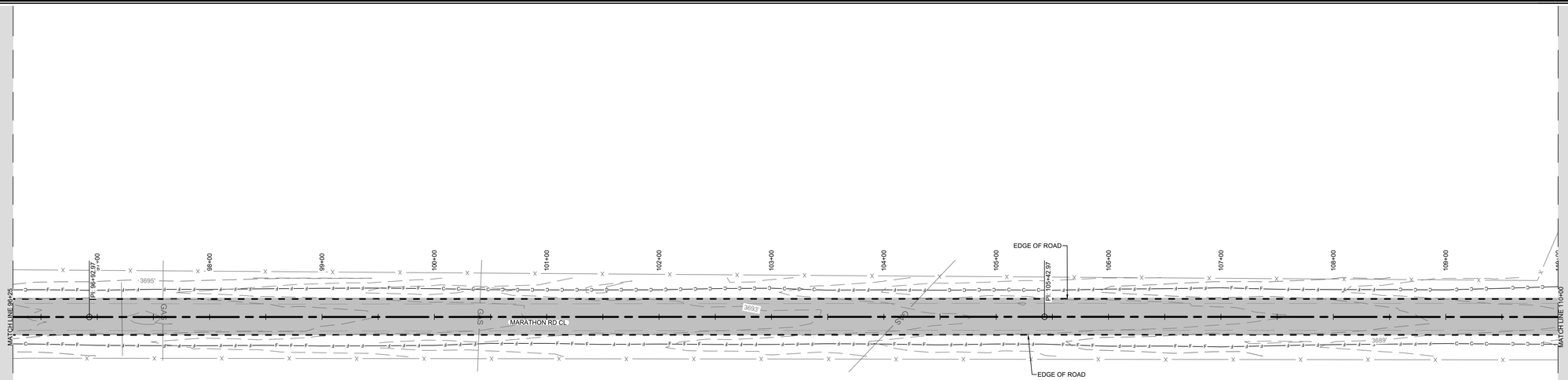
PLAN AND PROFILE
STA: 82+50
TO
STA: 96+25

MARATHON ROAD
CR 27A

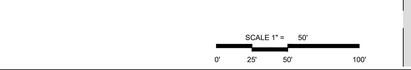
LEA COUNTY, NM

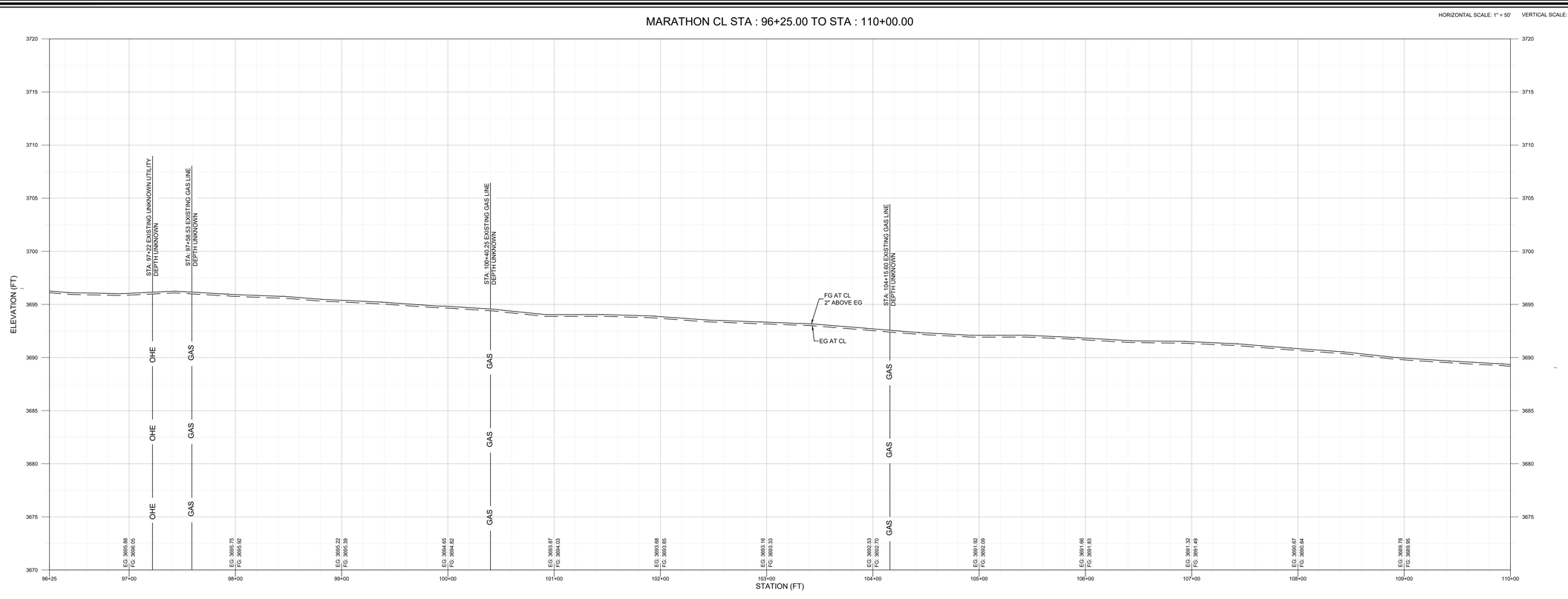
PROJECT NUMBER:
2020.1033

SHEET:
3 - 7



ROADWAY SECTION SCHEDULE		
STARTING SECTION	ENDING SECTION	ROADWAY SECTION
80+24.45	147+24.34	1





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10/14/2020

PROJECT ENGINEER:	JEREMY BAKER, PE
PROJECT DESIGNER:	LAXMI P. PANERU, EI
DRAWN BY:	LPP

LEGEND

	EXIST. GRADE 1' CONTOUR
	EXIST. GRADE 5' CONTOUR
C	GRADING LIMITS CUT
F	GRADING LIMITS FILL
	PROPOSED EOR
	EXISTING EOR
X	EXISTING FENCE
	CENTERLINE ALIGNMENT
	SAW CUT
	RELOCATED CULVERT
	ASPHALT
	CONCRETE
EOR	EDGE OF ROAD
EG	EXISTING GRADE
FG	FINISH GRADE

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS

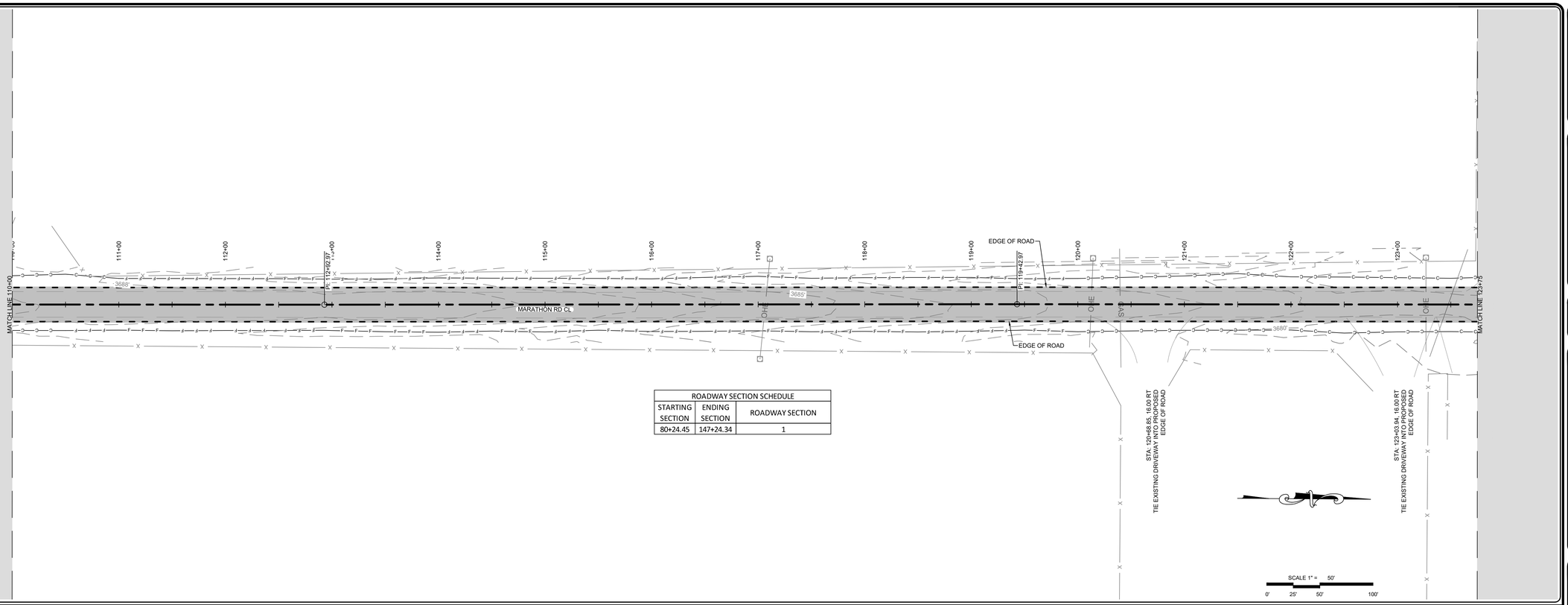
PLAN AND PROFILE
STA: 96+25
TO
STA: 110+00

MARATHON ROAD
CR 27A

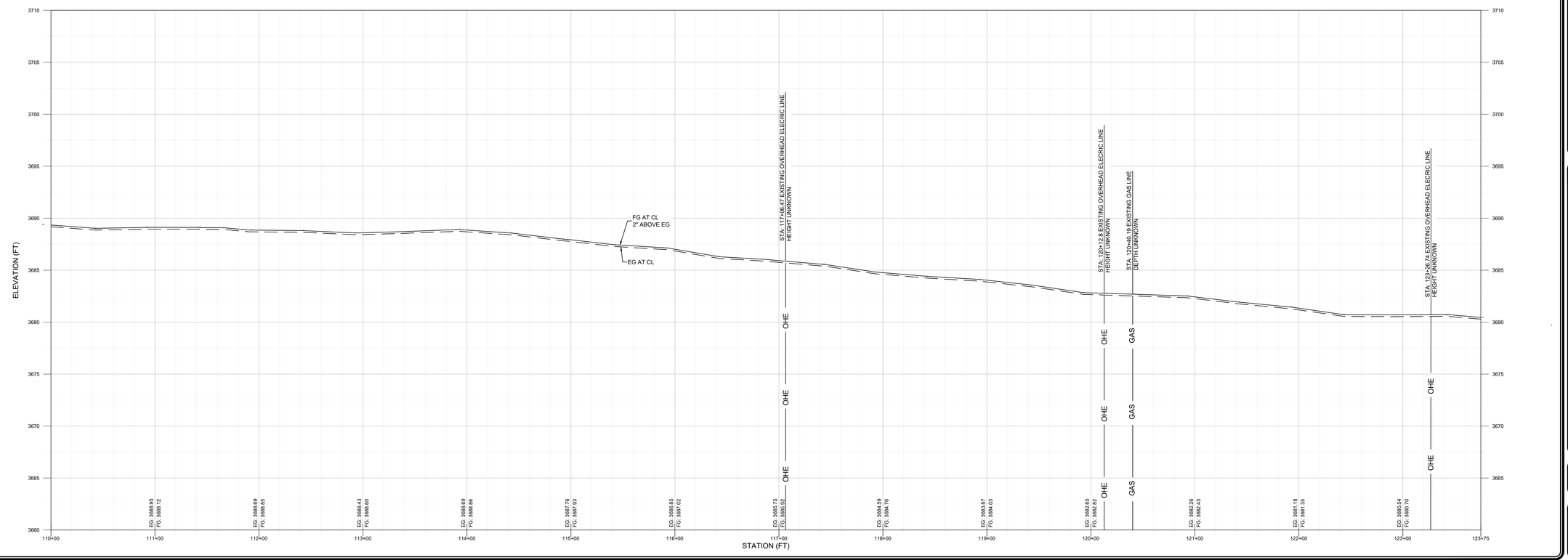
LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

SHEET:
3 - 8



ROADWAY SECTION SCHEDULE		
STARTING SECTION	ENDING SECTION	ROADWAY SECTION
80+24.45	147+24.34	1



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JEREMY BAKER NEW MEXICO 16207 LICENSED PROFESSIONAL ENGINEER

10/14/2020

PROJECT ENGINEER:	JEREMY BAKER, PE
PROJECT DESIGNER:	LAXMI P. PANERU, EI
DRAWN BY:	LPP

LEGEND

- EXIST. GRADE 1' CONTOUR
- EXIST. GRADE 5' CONTOUR
- C — GRADING LIMITS CUT
- F — GRADING LIMITS FILL
- PROPOSED EOR
- EXISTING EOR
- EXISTING FENCE
- CENTERLINE ALIGNMENT
- SAW CUT
- RELOCATED CULVERT
- ASPHALT
- CONCRETE
- EOR — EDGE OF ROAD
- EG — EXISTING GRADE
- FG — FINISH GRADE

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS

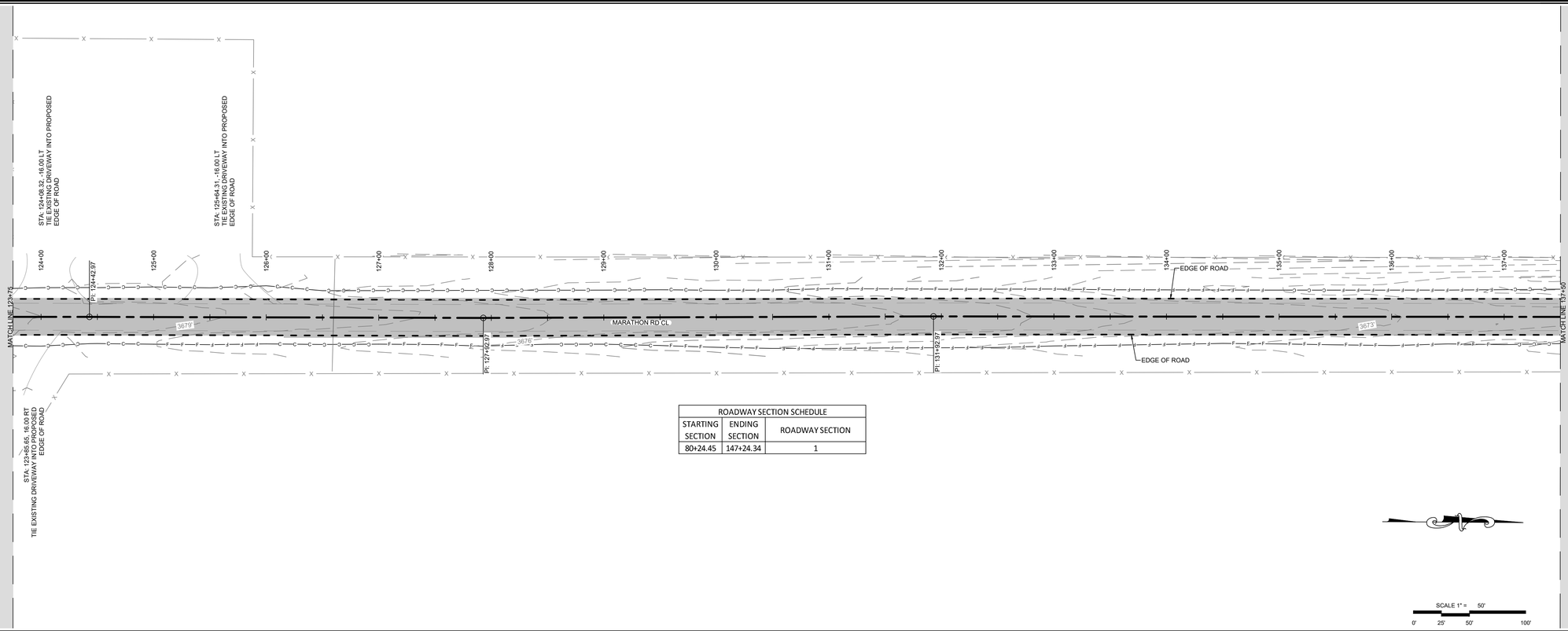
PLAN AND PROFILE
STA: 110+00
TO
STA: 123+75

MARATHON ROAD
CR 27A

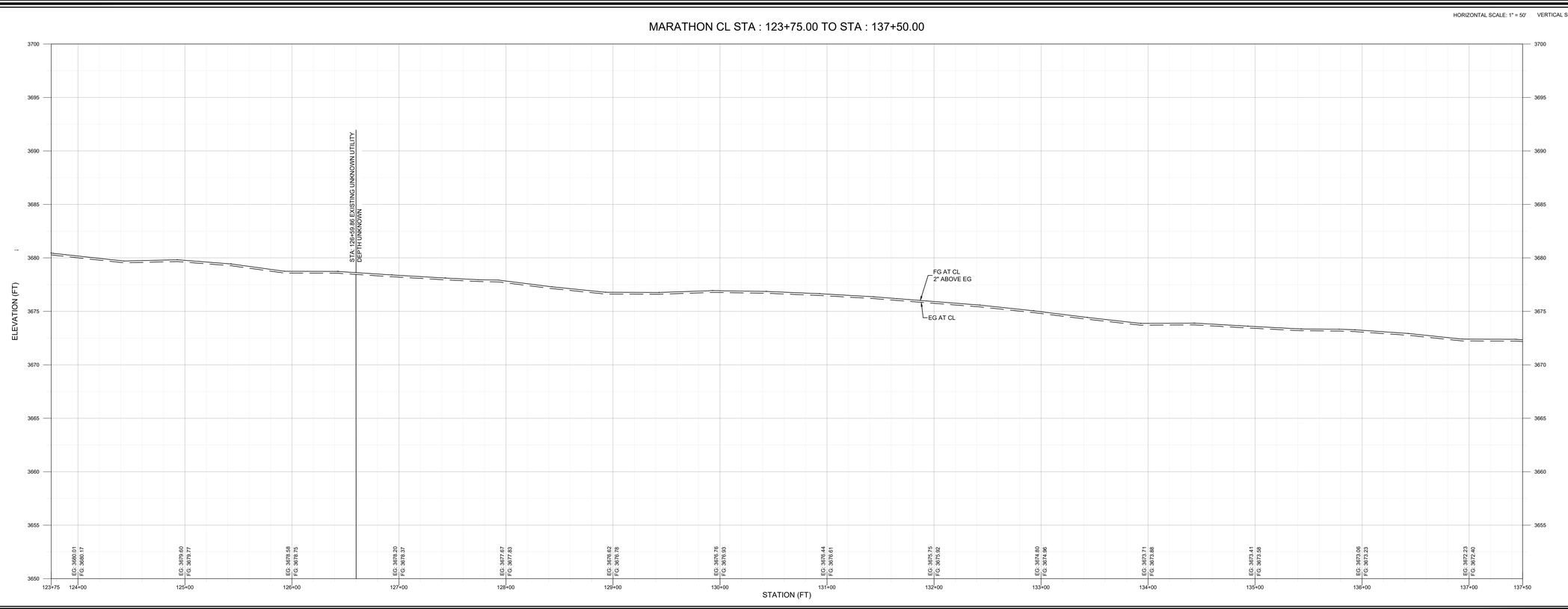
LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

SHEET:
3 - 9



ROADWAY SECTION SCHEDULE		
STARTING SECTION	ENDING SECTION	ROADWAY SECTION
80+24.45	147+24.34	1



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JEREMY BAKER NEW MEXICO 16207 REGISTERED PROFESSIONAL ENGINEER

10/14/2020

PROJECT ENGINEER:	JEREMY BAKER, PE
PROJECT DESIGNER:	LAXMI P. PANERU, EI
DRAWN BY:	LPP

LEGEND

- EXIST. GRADE 1' CONTOUR
- EXIST. GRADE 5' CONTOUR
- C — GRADING LIMITS CUT
- F — GRADING LIMITS FILL
- PROPOSED EOR
- EXISTING EOR
- X — EXISTING FENCE
- CENTERLINE ALIGNMENT
- SAW CUT
- RELOCATED CULVERT
- ASPHALT
- CONCRETE
- EOR — EDGE OF ROAD
- EG — EXISTING GRADE
- FG — FINISH GRADE

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS

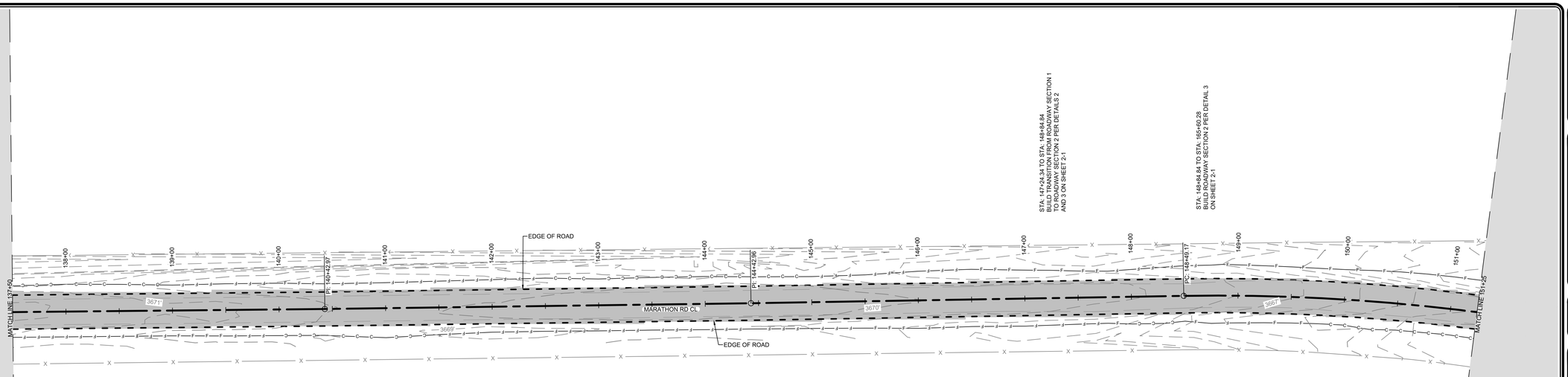
PLAN AND PROFILE
STA: 123+75
TO
STA: 137+50

MARATHON ROAD
CR 27A

LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

SHEET:
3 - 10



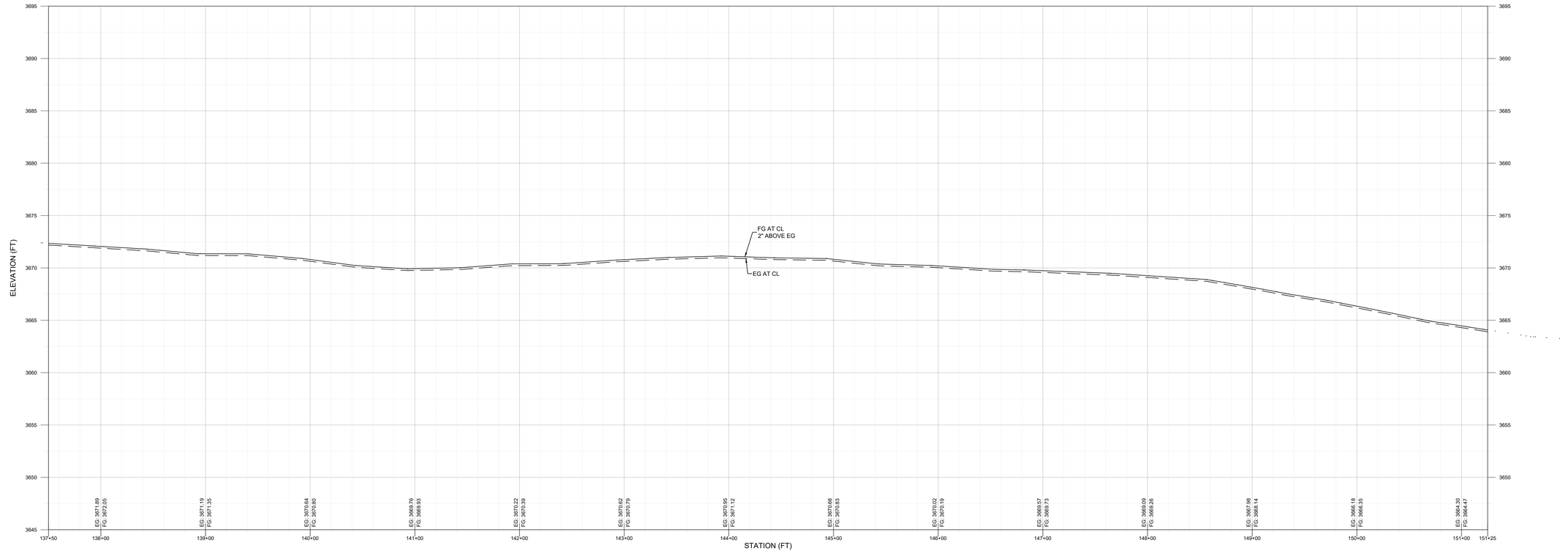
ROADWAY SECTION SCHEDULE		
STARTING SECTION	ENDING SECTION	ROADWAY SECTION
147+24.34	148+84.84	TRANSITION FROM 1 TO 2
148+84.84	165+60.28	2

SCALE 1" = 50'

0' 25' 50' 100'

MARATHON CL STA : 137+50.00 TO STA : 151+25.00

HORIZONTAL SCALE: 1" = 50' VERTICAL SCALE: 1" = 5'



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100 E. Navajo Drive Suite 100 Hobbs New Mexico 88240
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Pettigrew.us

JEREMY BAKER NEW MEXICO 16207 LICENSED PROFESSIONAL ENGINEER

10/14/2020

PROJECT ENGINEER:	JEREMY BAKER, PE
PROJECT DESIGNER:	LAXMI P. PANERU, EI
DRAWN BY:	LPP

LEGEND

- EXIST. GRADE 1' CONTOUR
- EXIST. GRADE 5' CONTOUR
- C — GRADING LIMITS CUT
- F — GRADING LIMITS FILL
- PROPOSED EOR
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- RELOCATED CULVERT
- ASPHALT
- CONCRETE
- EOR — EDGE OF ROAD
- EG — EXISTING GRADE
- FG — FINISH GRADE

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS

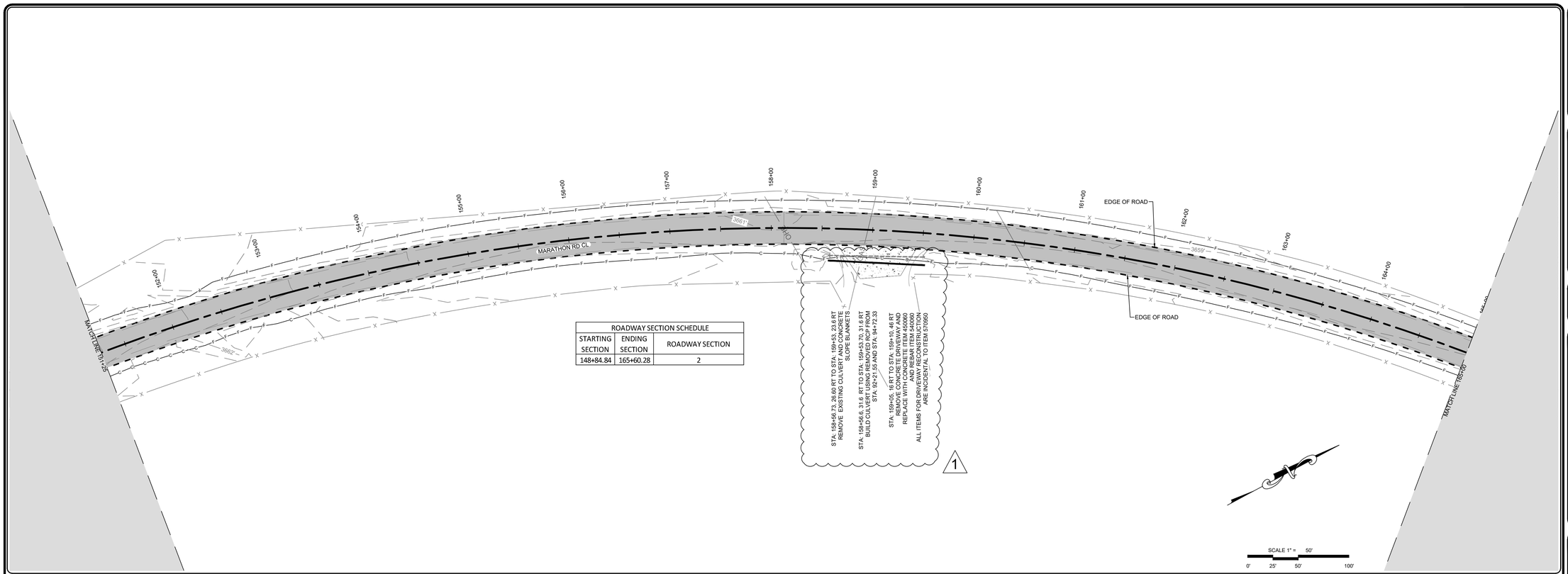
PLAN AND PROFILE
STA: 137+50
TO
STA: 151+25

MARATHON ROAD
CR 27A

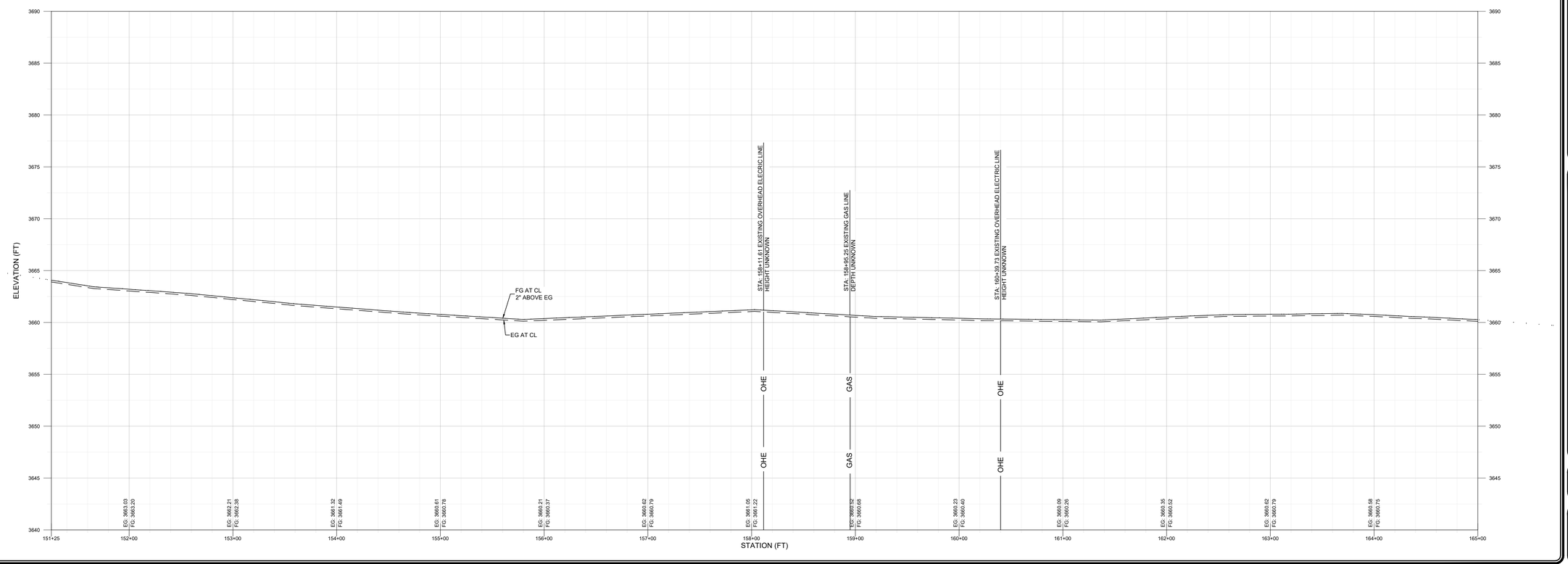
LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

SHEET:
3 - 11



ROADWAY SECTION SCHEDULE		
STARTING SECTION	ENDING SECTION	ROADWAY SECTION
148+84.84	165+60.28	2



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LEGEND

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- RELOCATED CULVERT
- ASPHALT
- CONCRETE
- EOR — EDGE OF ROAD
- EG — EXISTING GRADE
- FG — FINISH GRADE

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS REVISED CULVERT LAYOUT

PLAN AND PROFILE
STA: 151+25
TO
STA: 165+00

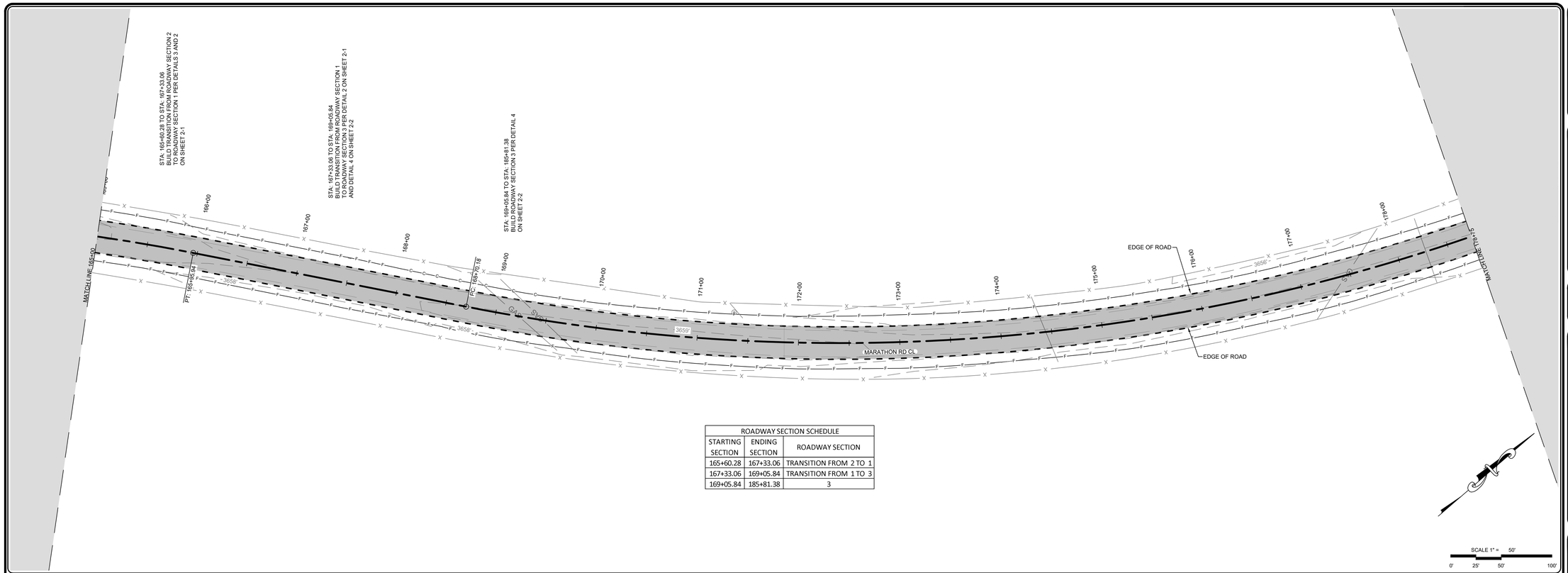
MARATHON ROAD
CR 27A

LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

SHEET:
3 - 12

Z:\2020.1033\Engineering\ACAD\PNP\3-1 TO 3-15.dwg 10/19/2020 7:35 PM

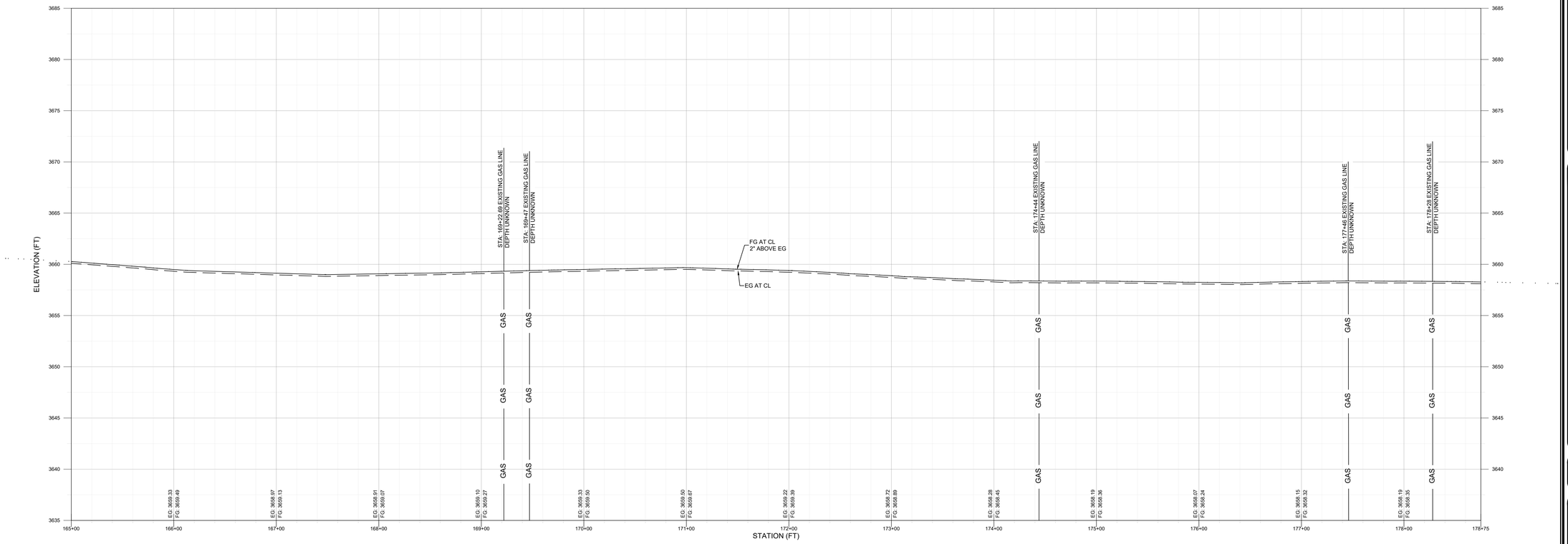


ROADWAY SECTION SCHEDULE		
STARTING SECTION	ENDING SECTION	ROADWAY SECTION
165+60.28	167+33.06	TRANSITION FROM 2 TO 1
167+33.06	169+05.84	TRANSITION FROM 1 TO 3
169+05.84	185+81.38	3

SCALE 1" = 50'
0' 25' 50' 100'

MARATHON CL STA : 165+00.00 TO STA : 178+75.00

HORIZONTAL SCALE: 1" = 50' VERTICAL SCALE: 1" = 5'



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10/14/2020

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PROJECT DESIGNER:	LAXMI P. PANERU, EI
DRAWN BY:	LPP

LEGEND

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REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS

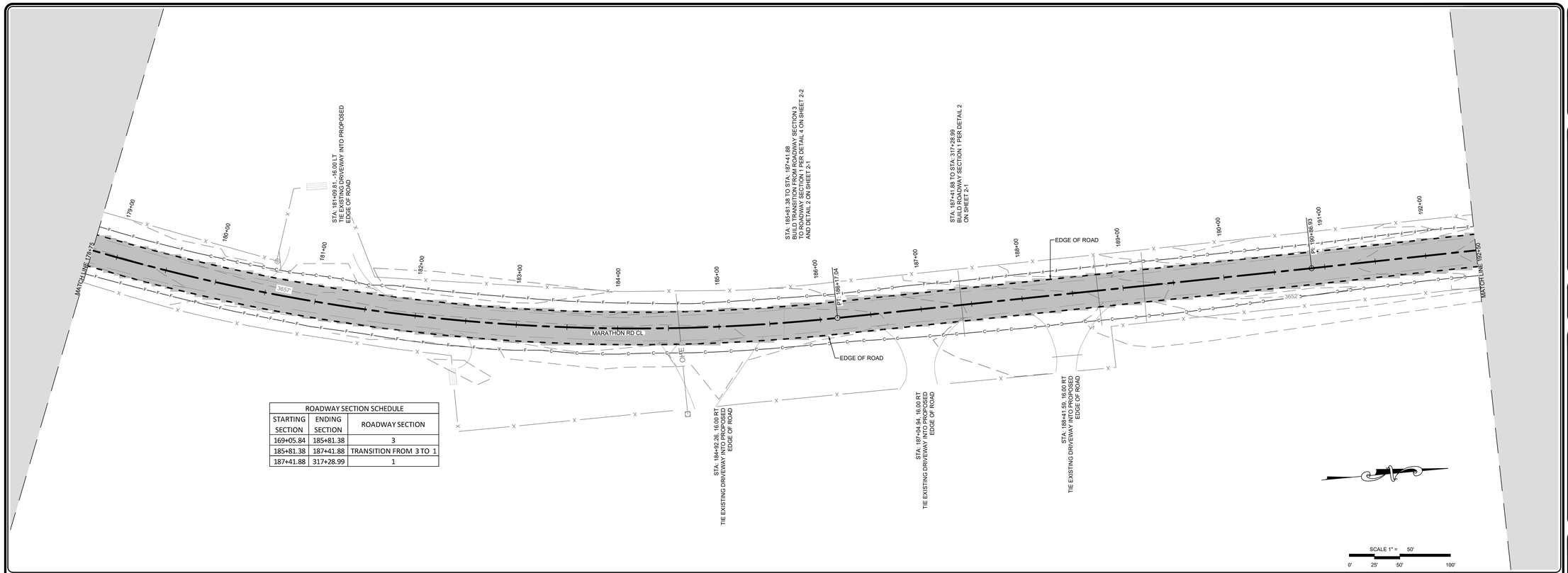
PLAN AND PROFILE
STA: 165+00
TO
STA: 178+75

MARATHON ROAD
CR 27A

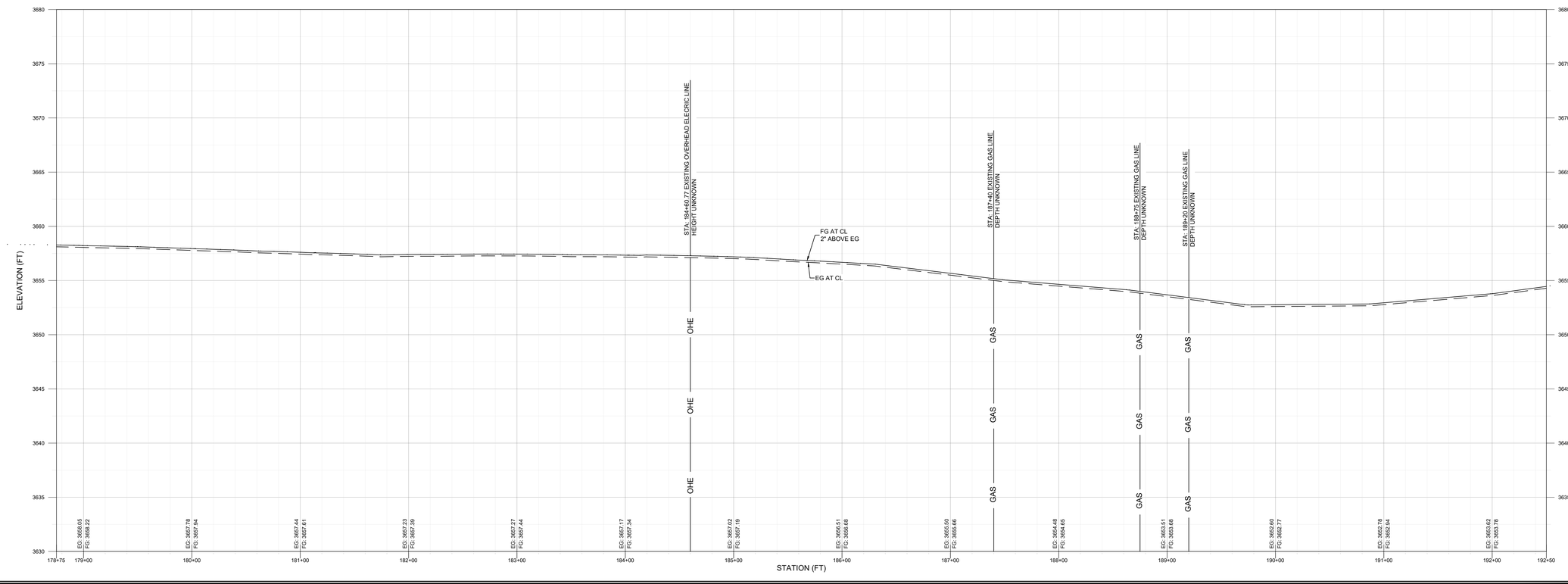
LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

SHEET:
3 - 13



ROADWAY SECTION SCHEDULE		
STARTING SECTION	ENDING SECTION	ROADWAY SECTION
169+05.84	185+81.38	3
185+81.38	187+41.88	TRANSITION FROM 3 TO 1
187+41.88	317+28.99	1



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10/14/2020

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LEGEND

- EXIST. GRADE 1' CONTOUR
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- EOR — EDGE OF ROAD
- EG — EXISTING GRADE
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REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS

PLAN AND PROFILE
STA: 178+75
TO
STA: 192+50

MARATHON ROAD
CR 27A

LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

SHEET:
3 - 14

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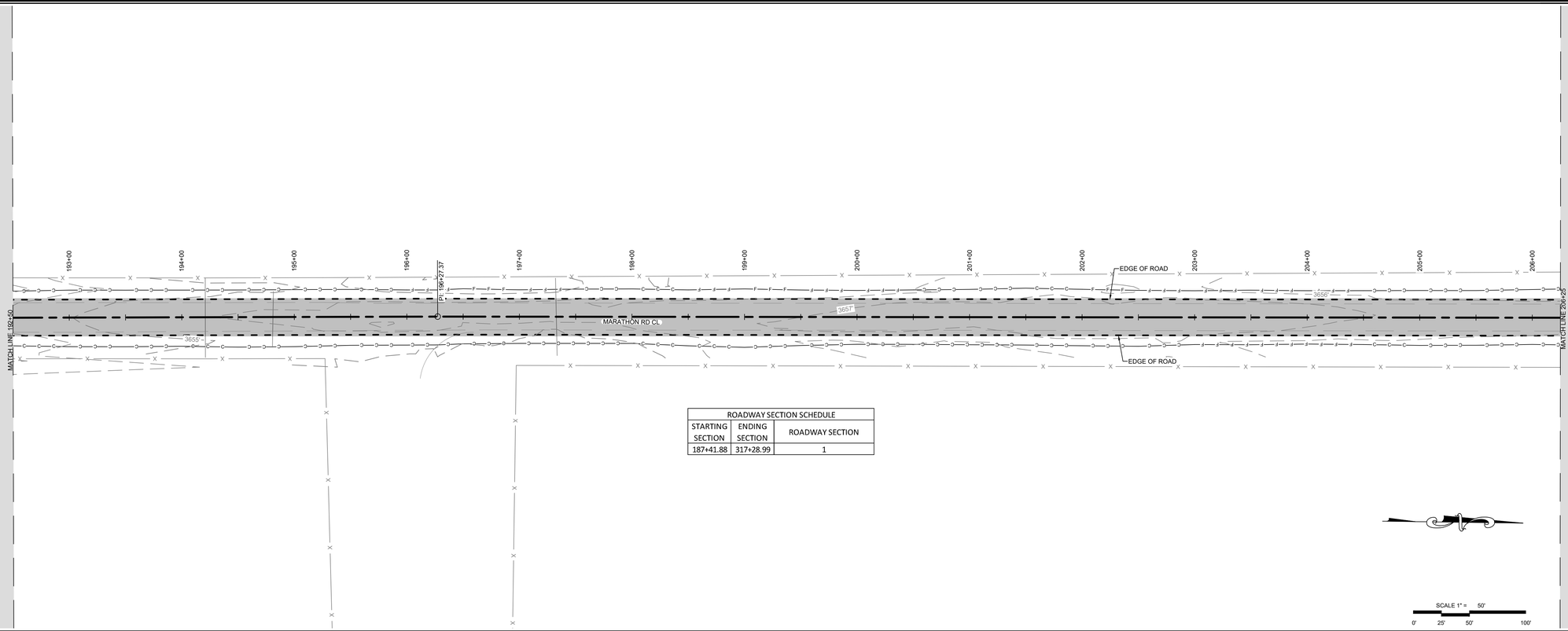
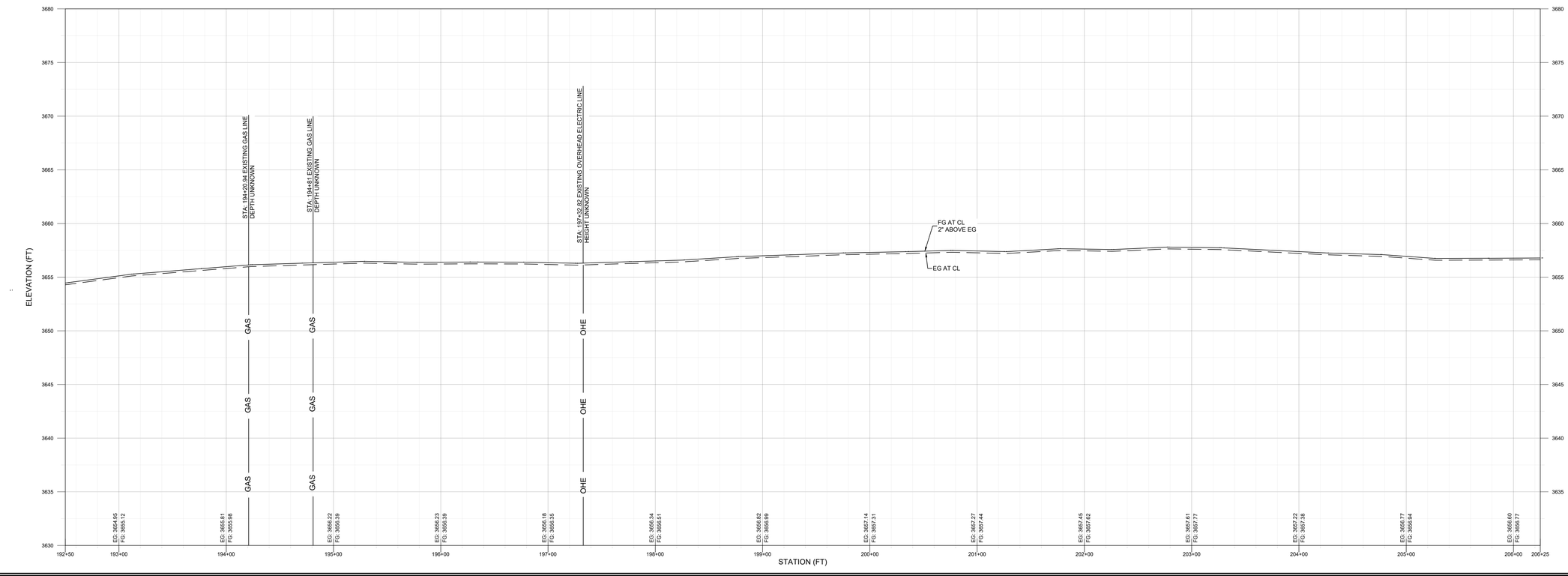


ROADWAY SECTION SCHEDULE		
STARTING SECTION	ENDING SECTION	ROADWAY SECTION
187+41.88	317+28.99	1

HORIZONTAL SCALE: 1" = 50' VERTICAL SCALE: 1" = 10'



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JEREMY BAKER NEW MEXICO 16207 LICENSED PROFESSIONAL ENGINEER

10/14/2020

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PROJECT DESIGNER:	LAXMI P. PANERU, EI
DRAWN BY:	LPP

LEGEND

- EXIST. GRADE 1' CONTOUR
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- EOR — EDGE OF ROAD
- EG — EXISTING GRADE
- FG — FINISH GRADE

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS

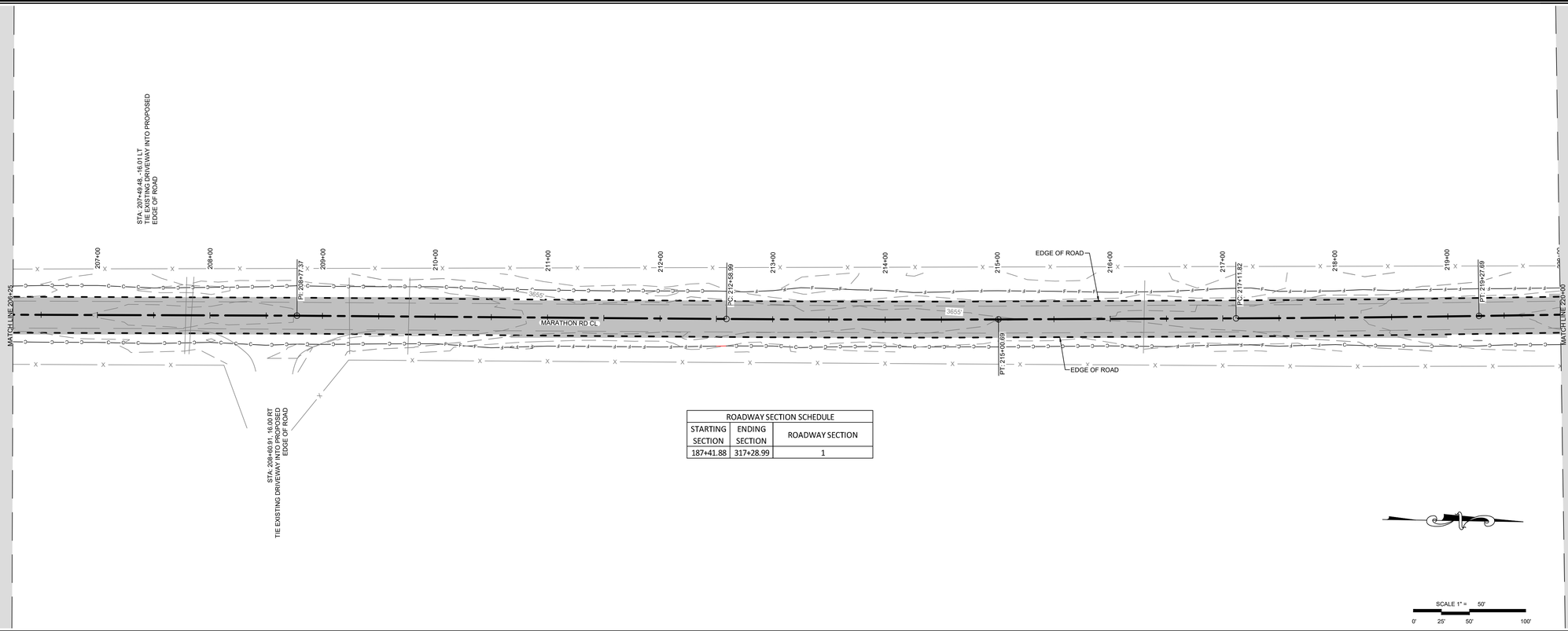
PLAN AND PROFILE
STA: 192+50
TO
STA: 206+25

MARATHON ROAD
CR 27A

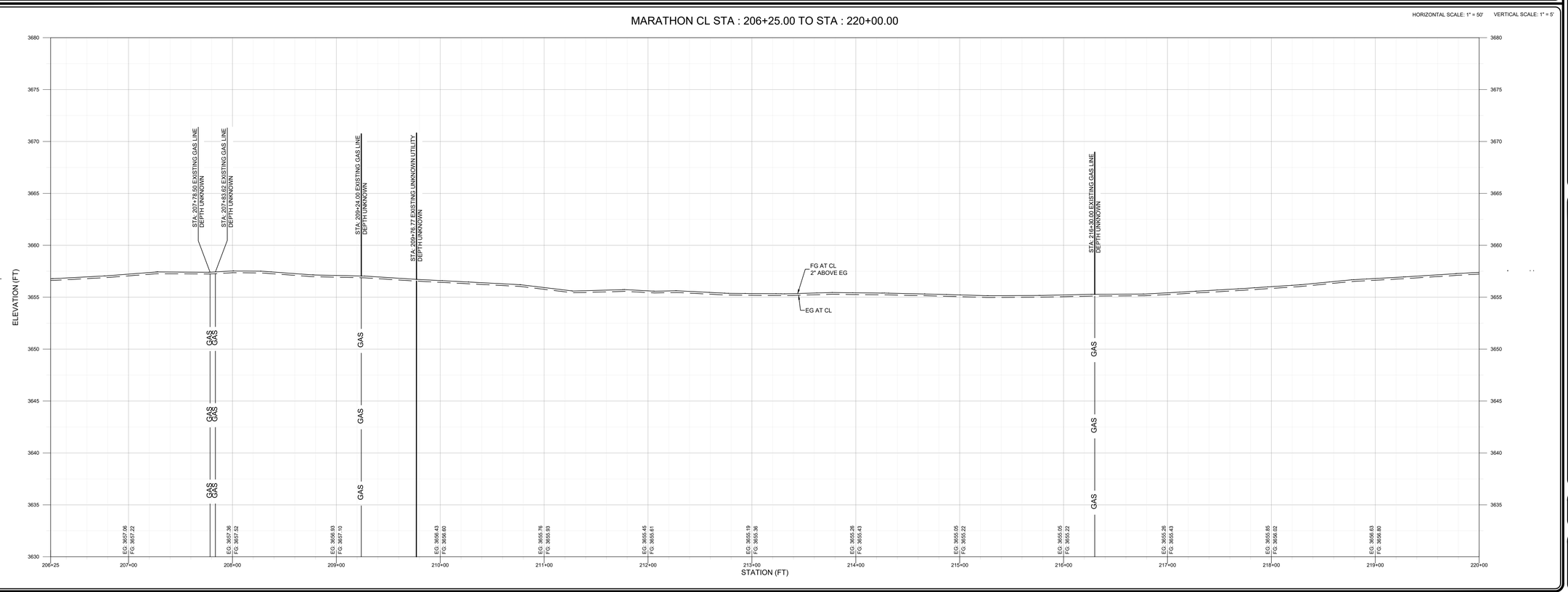
LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

SHEET:
3 - 15



ROADWAY SECTION SCHEDULE		
STARTING SECTION	ENDING SECTION	ROADWAY SECTION
187+41.88	317+28.99	1



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10/14/2020

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LEGEND

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- FG — FINISH GRADE

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS

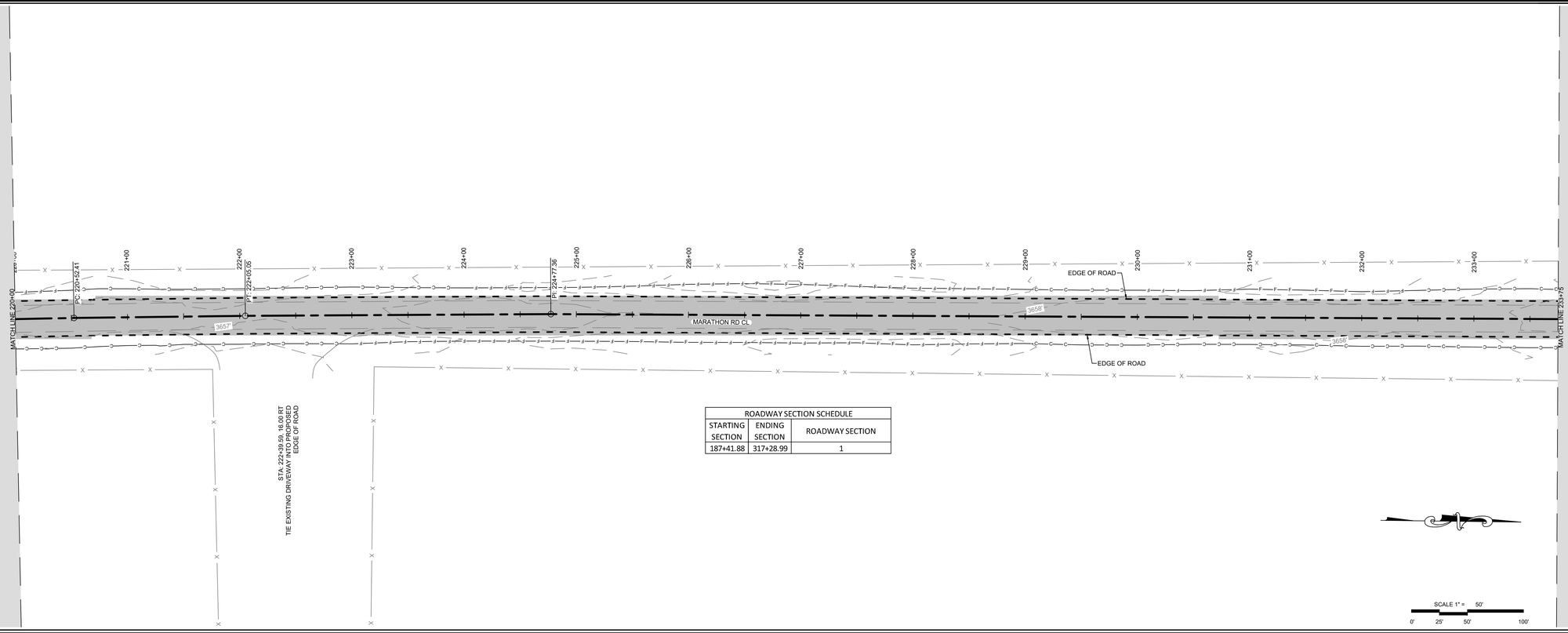
PLAN AND PROFILE
STA: 206+25
TO
STA: 220+00

MARATHON ROAD
CR 27A

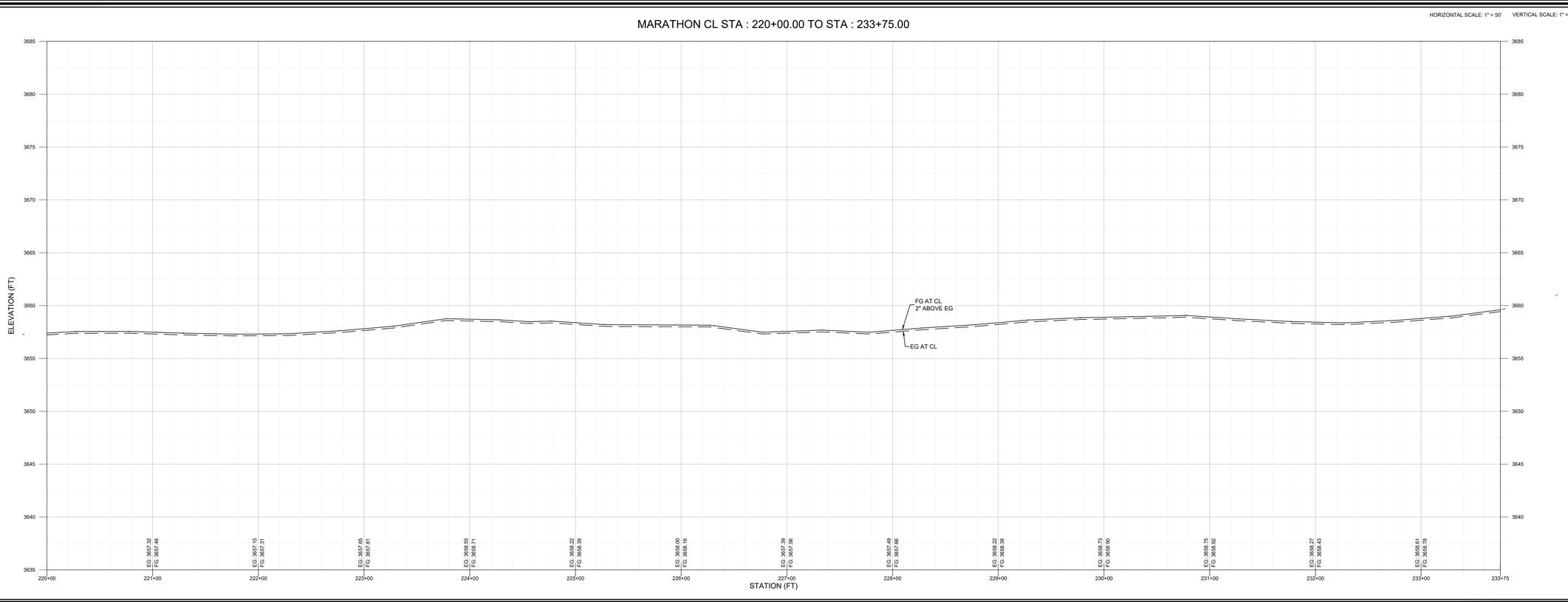
LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

SHEET:
3 - 16



ROADWAY SECTION SCHEDULE		
STARTING SECTION	ENDING SECTION	ROADWAY SECTION
187+41.88	317+28.99	1



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JEREMY BAKER NEW MEXICO 16207 LICENSED PROFESSIONAL ENGINEER

10/14/2020

PROJECT ENGINEER:	JEREMY BAKER, PE
PROJECT DESIGNER:	LAXMI P. PANERU, EI
DRAWN BY:	LPP

LEGEND

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- EOR — EDGE OF ROAD
- EG — EXISTING GRADE
- FG — FINISH GRADE

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS

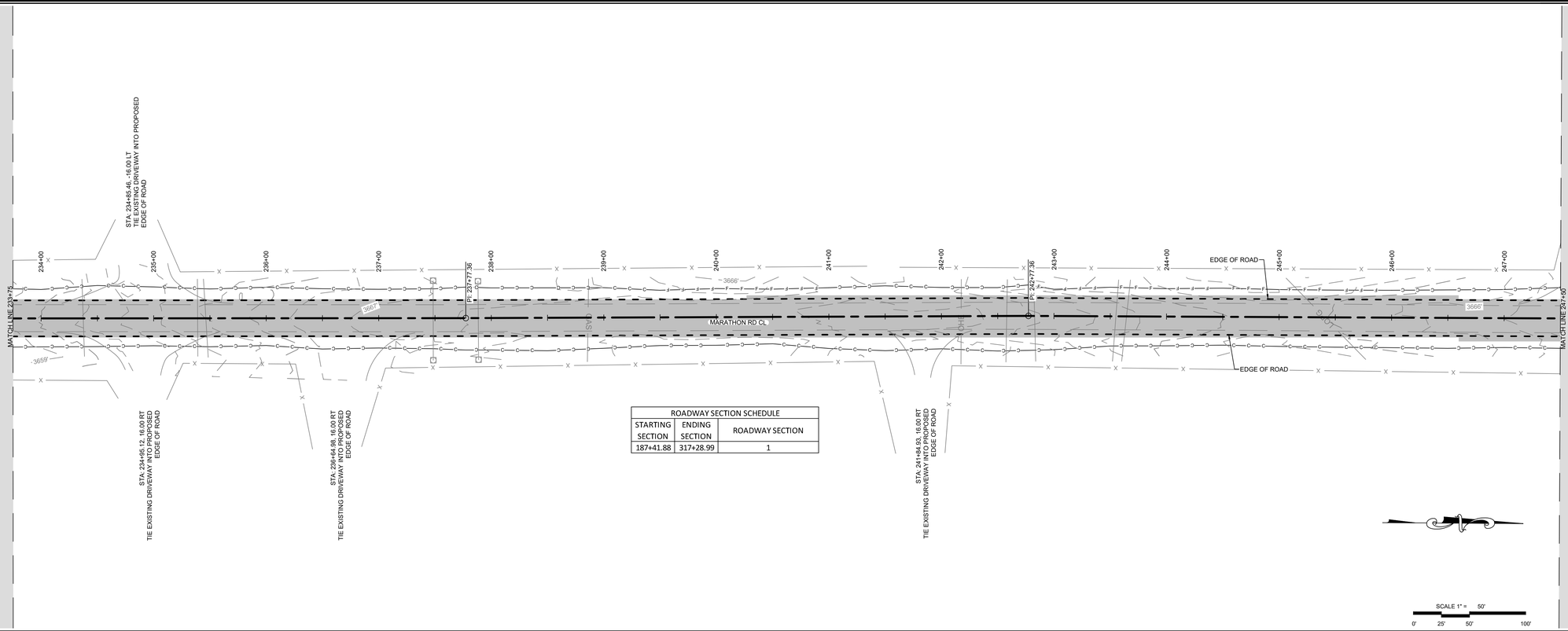
PLAN AND PROFILE
STA: 220+00
TO
STA: 233+75

MARATHON ROAD
CR 27A

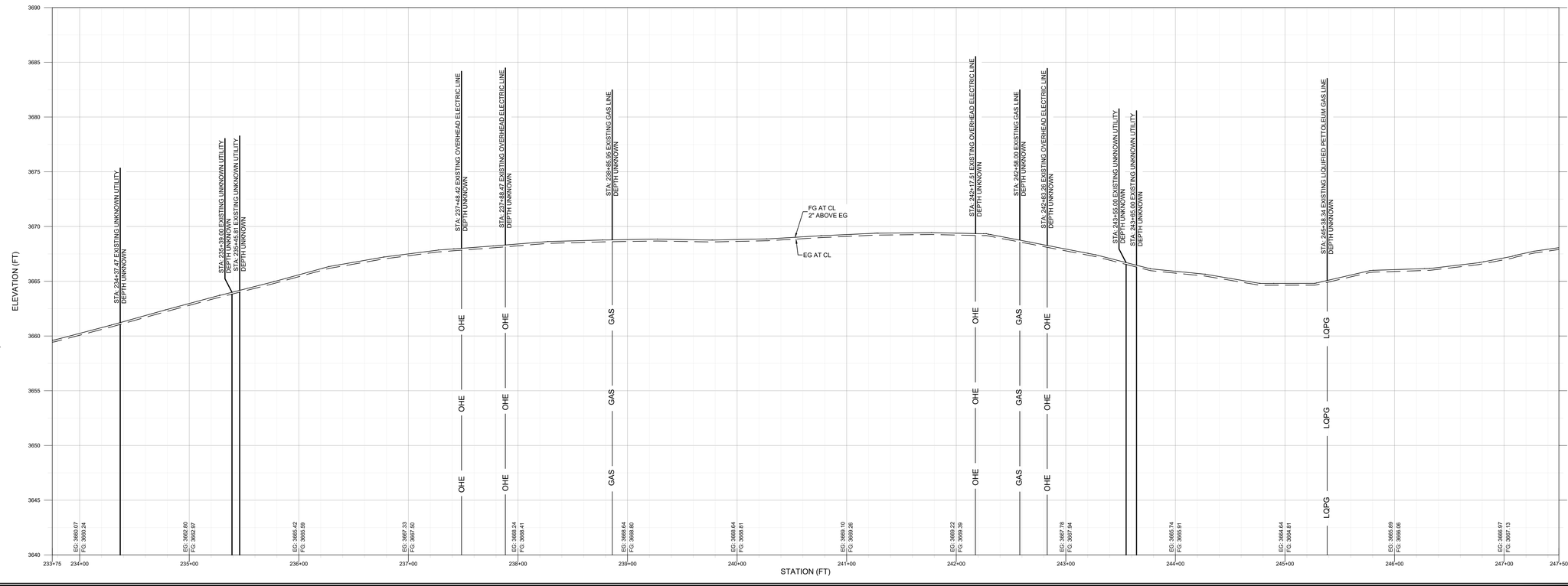
LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

SHEET:
3 - 17



ROADWAY SECTION SCHEDULE		
STARTING SECTION	ENDING SECTION	ROADWAY SECTION
187+41.88	317+28.99	1



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10/14/2020

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- CONCRETE
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- EG — EXISTING GRADE
- FG — FINISH GRADE

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS

PLAN AND PROFILE
STA: 233+75
TO
STA: 247+50

MARATHON ROAD
CR 27A

LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

SHEET:
3 - 18

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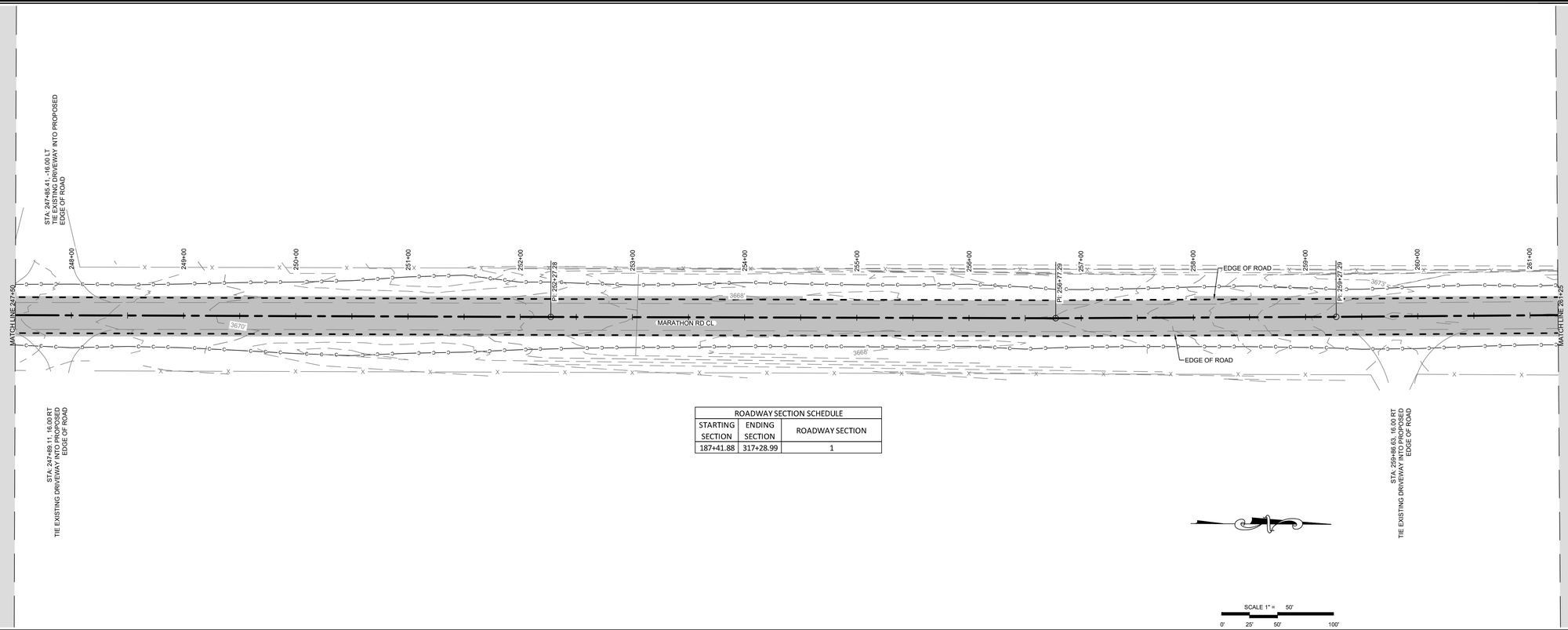
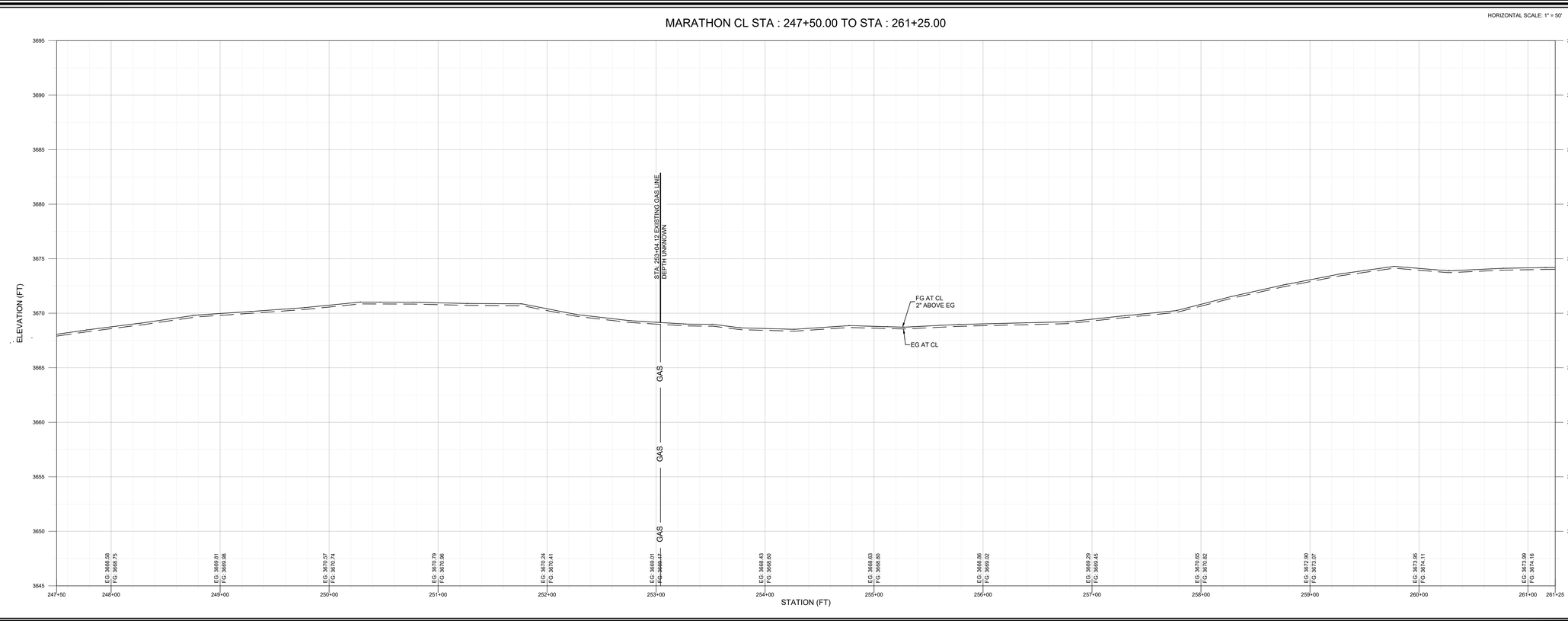


ROADWAY SECTION SCHEDULE		
STARTING SECTION	ENDING SECTION	ROADWAY SECTION
187+41.88	317+28.99	1



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- EOR — EDGE OF ROAD
- EG — EXISTING GRADE
- FG — FINISH GRADE

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS

PLAN AND PROFILE
STA: 247+50
TO
STA: 261+25

MARATHON ROAD
CR 27A

LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

SHEET:
3 - 19

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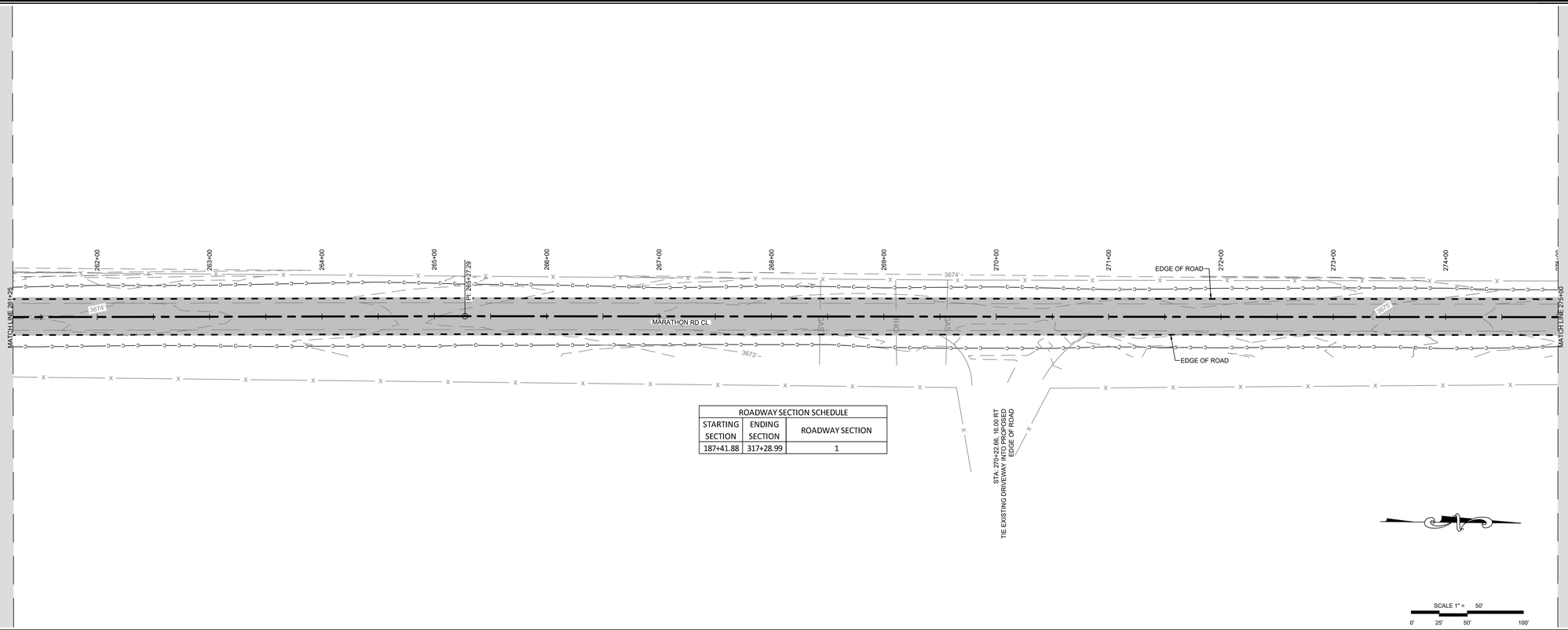
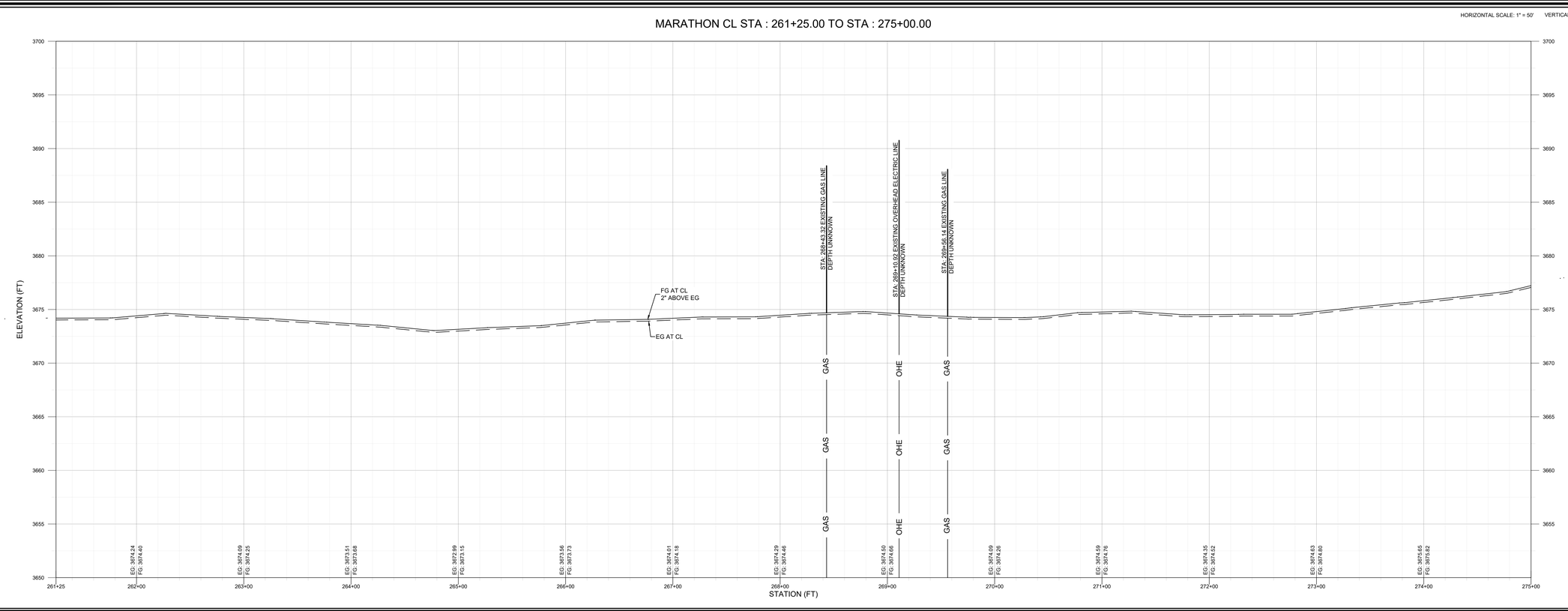


ROADWAY SECTION SCHEDULE		
STARTING SECTION	ENDING SECTION	ROADWAY SECTION
187+41.88	317+28.99	1



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10/14/2020

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DRAWN BY:	LPP

LEGEND

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- EXIST. GRADE 5' CONTOUR
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- EXISTING EOR
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- EOR — EDGE OF ROAD
- EG — EXISTING GRADE
- FG — FINISH GRADE

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS

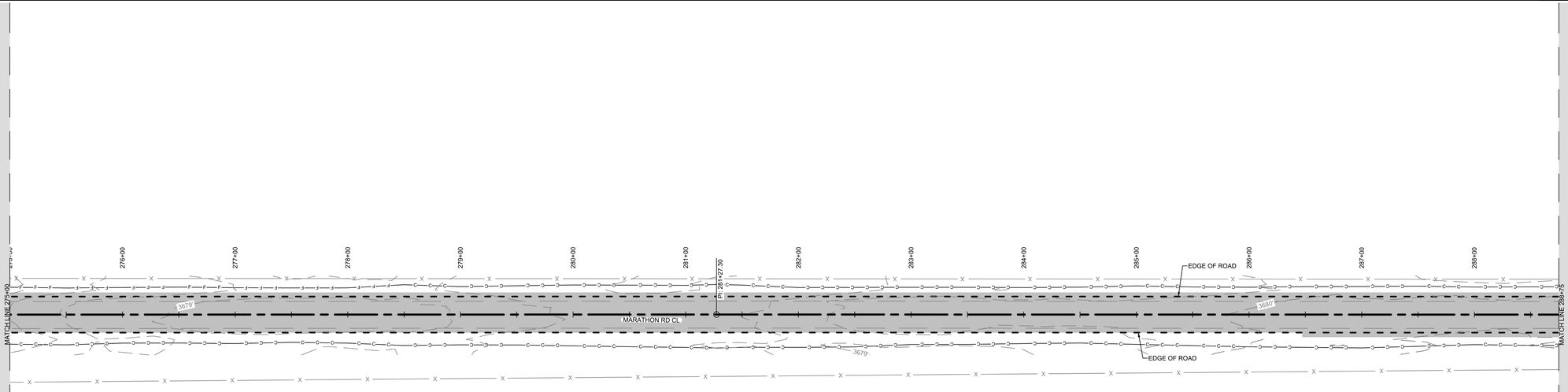
PLAN AND PROFILE
STA: 261+25
TO
STA: 275+00

MARATHON ROAD
CR 27A

LEA COUNTY, NM

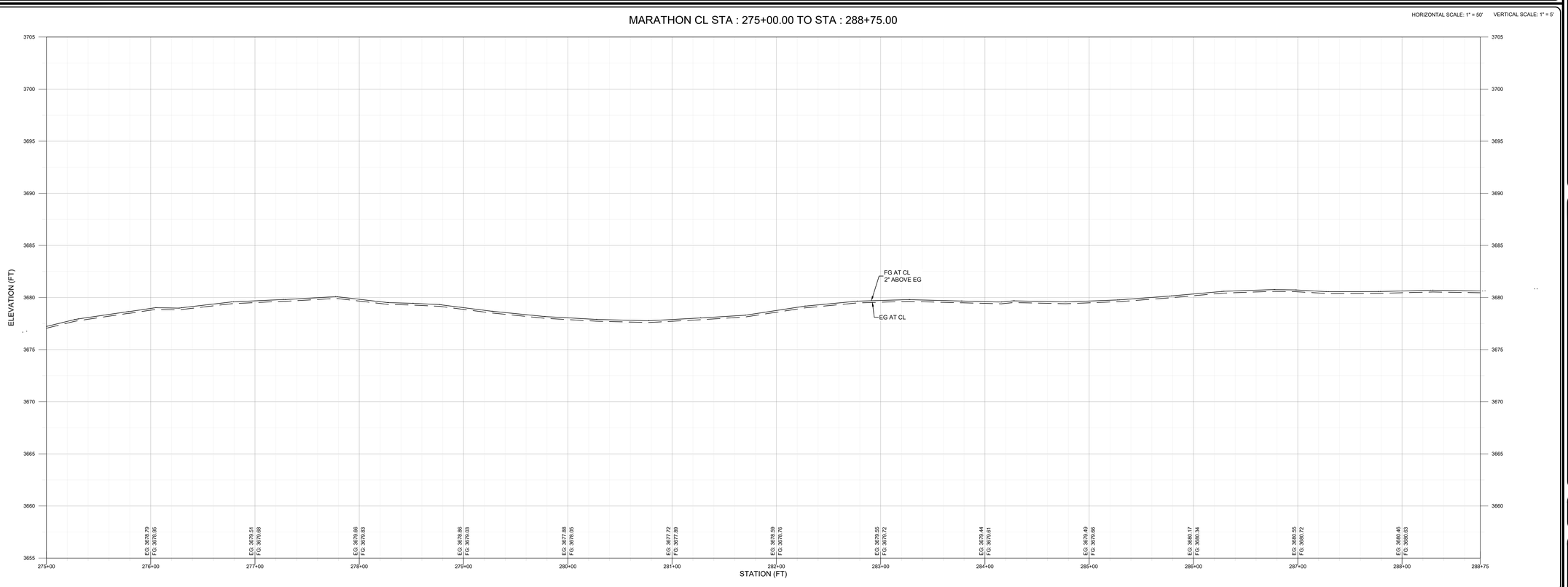
PROJECT NUMBER:
2020.1033

SHEET:
3 - 20



ROADWAY SECTION SCHEDULE		
STARTING SECTION	ENDING SECTION	ROADWAY SECTION
187+41.88	317+28.99	1

SCALE 1" = 50'
0' 25' 50' 100'



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JEREMY BAKER NEW MEXICO 16207 LICENSED PROFESSIONAL ENGINEER

10/14/2020

PROJECT ENGINEER:	JEREMY BAKER, PE
PROJECT DESIGNER:	LAXMI P. PANERU, EI
DRAWN BY:	LPP

LEGEND

- EXIST. GRADE 1' CONTOUR
- EXIST. GRADE 5' CONTOUR
- C — GRADING LIMITS CUT
- F — GRADING LIMITS FILL
- PROPOSED EOR
- EXISTING EOR
- X — EXISTING FENCE
- CENTERLINE ALIGNMENT
- SAW CUT
- RELOCATED CULVERT
- ASPHALT
- CONCRETE
- EOR — EDGE OF ROAD
- EG — EXISTING GRADE
- FG — FINISH GRADE

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS

PLAN AND PROFILE
STA: 275+00
TO
STA: 288+75

MARATHON ROAD
CR 27A

LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

SHEET:
3 - 21

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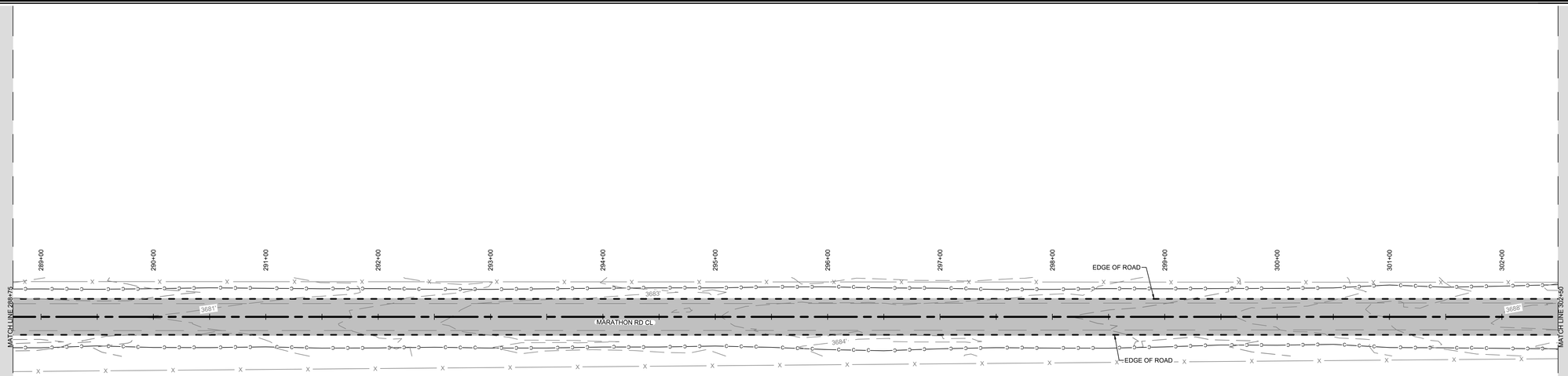
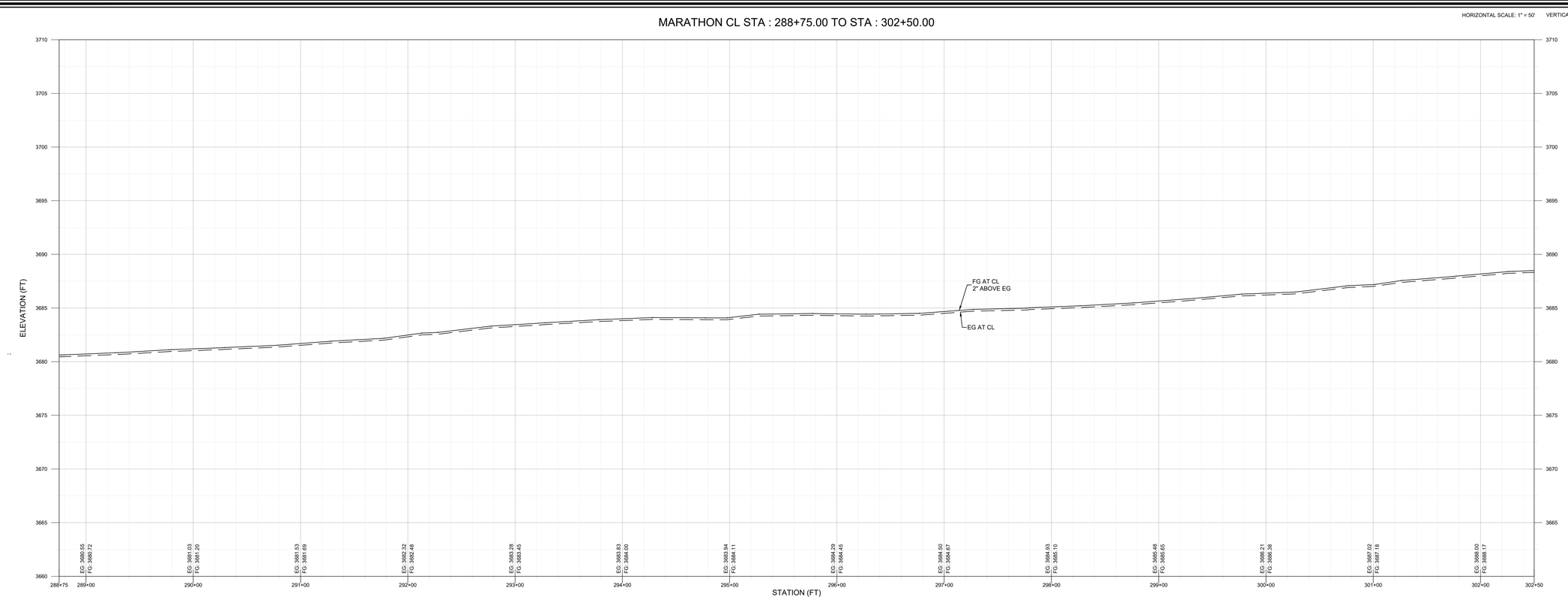


ROADWAY SECTION SCHEDULE		
STARTING SECTION	ENDING SECTION	ROADWAY SECTION
187+41.88	317+28.99	1

SCALE 1" = 50'

0' 25' 50' 100'



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JEREMY BAKER NEW MEXICO 16207 LICENSED PROFESSIONAL ENGINEER

10/14/2020

PROJECT ENGINEER:	JEREMY BAKER, PE
PROJECT DESIGNER:	LAXMI P. PANERU, EI
DRAWN BY:	LPP

LEGEND

- EXIST. GRADE 1' CONTOUR
- EXIST. GRADE 5' CONTOUR
- C — GRADING LIMITS CUT
- F — GRADING LIMITS FILL
- PROPOSED EOR
- EXISTING EOR
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- CENTERLINE ALIGNMENT
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- RELOCATED CULVERT
- ASPHALT
- CONCRETE
- EOR — EDGE OF ROAD
- EG — EXISTING GRADE
- FG — FINISH GRADE

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS

PLAN AND PROFILE
STA: 288+75
TO
STA: 302+50

MARATHON ROAD
CR 27A

LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

SHEET:
3 - 22

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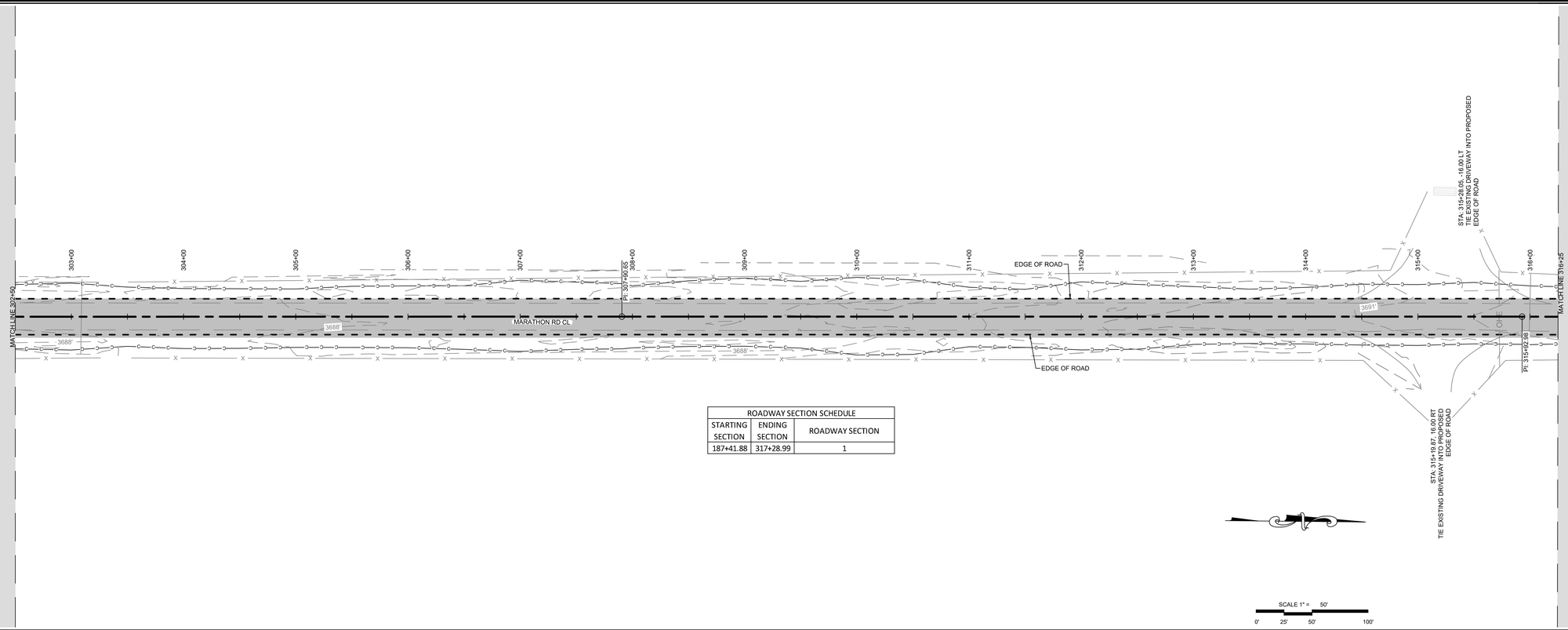
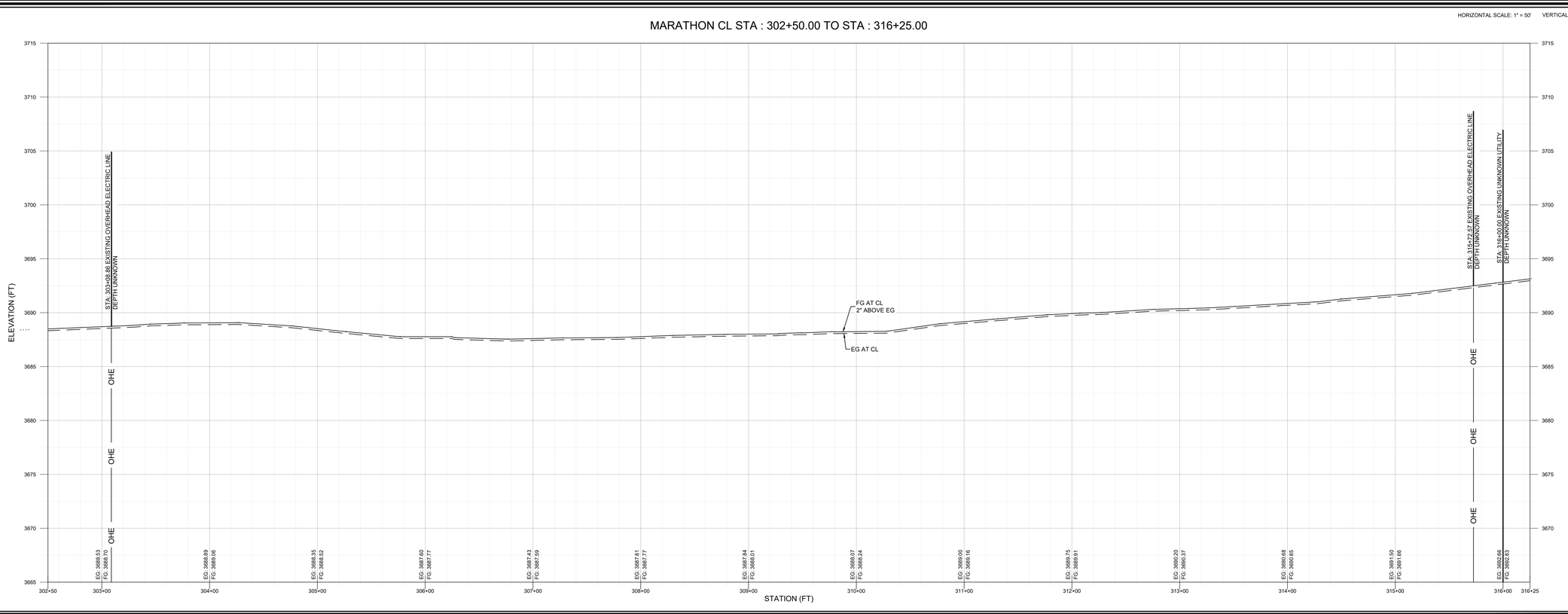


ROADWAY SECTION SCHEDULE		
STARTING SECTION	ENDING SECTION	ROADWAY SECTION
187+41.88	317+28.99	1



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JEREMY BAKER
NEW MEXICO
16207
LICENSED PROFESSIONAL ENGINEER

10/14/2020

PROJECT ENGINEER:	JEREMY BAKER, PE
PROJECT DESIGNER:	LAXMI P. PANERU, EI
DRAWN BY:	LPP

LEGEND

- EXIST. GRADE 1' CONTOUR
- EXIST. GRADE 5' CONTOUR
- C — GRADING LIMITS CUT
- F — GRADING LIMITS FILL
- PROPOSED EOR
- EXISTING EOR
- X — EXISTING FENCE
- CENTERLINE ALIGNMENT
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- RELOCATED CULVERT
- ASPHALT
- CONCRETE
- EOR — EDGE OF ROAD
- EG — EXISTING GRADE
- FG — FINISH GRADE

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS

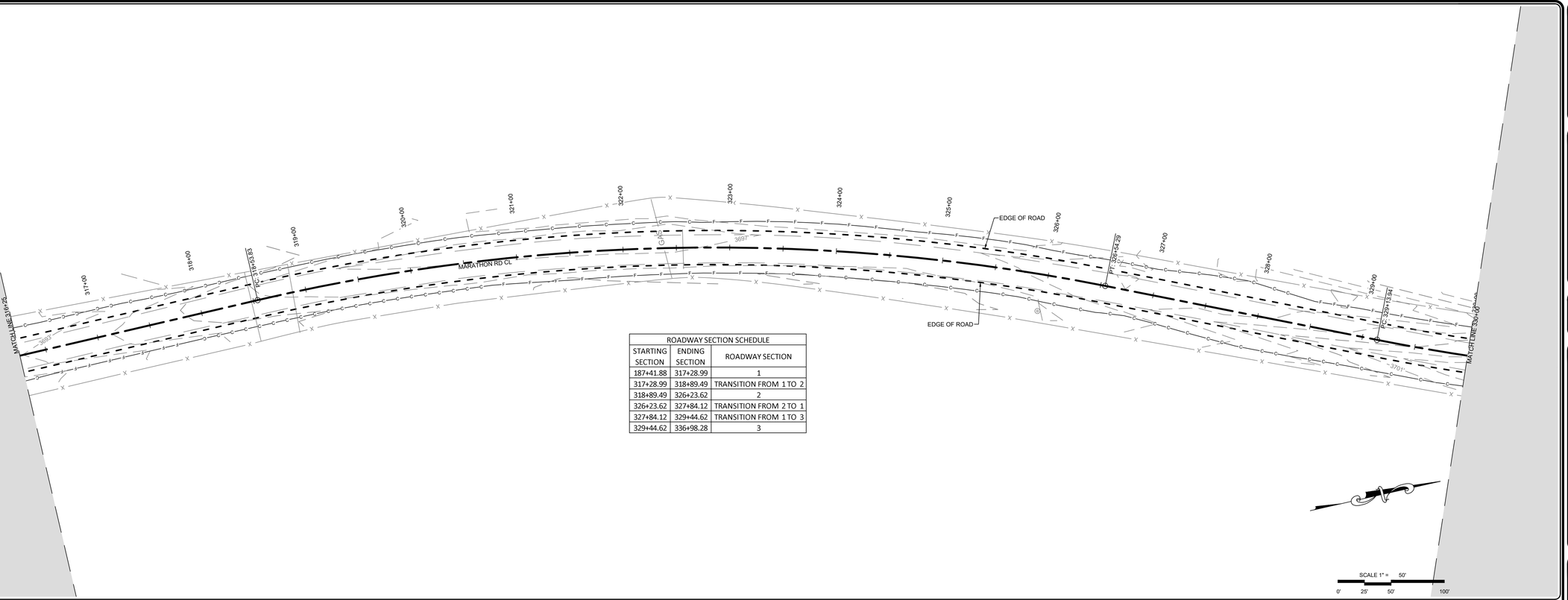
PLAN AND PROFILE
STA: 302+50
TO
STA: 316+25

MARATHON ROAD
CR 27A

LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

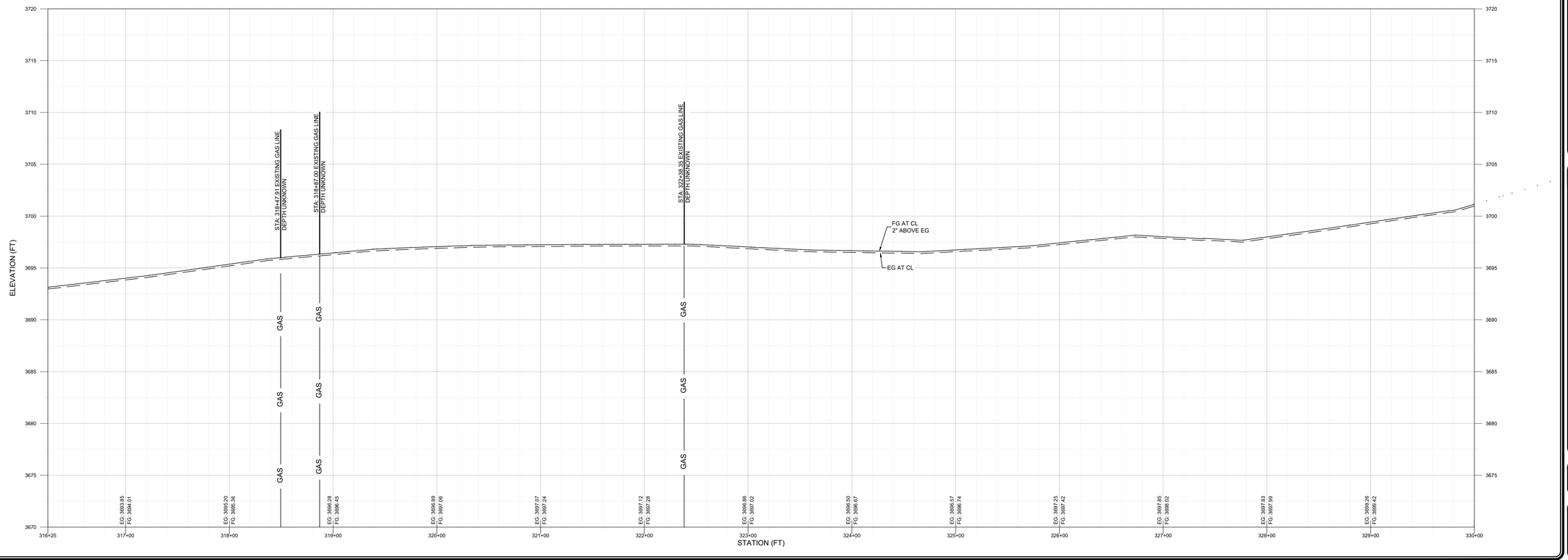
SHEET:
3 - 23



ROADWAY SECTION SCHEDULE		
STARTING SECTION	ENDING SECTION	ROADWAY SECTION
187+41.88	317+28.99	1
317+28.99	318+89.49	TRANSITION FROM 1 TO 2
318+89.49	326+23.62	2
326+23.62	327+84.12	TRANSITION FROM 2 TO 1
327+84.12	329+44.62	TRANSITION FROM 1 TO 3
329+44.62	336+98.28	3

MARATHON CL STA : 316+25.00 TO STA : 330+00.00

HORIZONTAL SCALE: 1" = 50' VERTICAL SCALE: 1" = 5'



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JEREMY BAKER NEW MEXICO 16207 LICENSED PROFESSIONAL ENGINEER

10/14/2020

PROJECT ENGINEER:	JEREMY BAKER, PE
PROJECT DESIGNER:	LAXMI P. PANERU, EI
DRAWN BY:	LPP

LEGEND

- EXIST. GRADE 1' CONTOUR
- EXIST. GRADE 5' CONTOUR
- C — GRADING LIMITS CUT
- F — GRADING LIMITS FILL
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- RELOCATED CULVERT
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- CONCRETE
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- FG — FINISH GRADE

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS

PLAN AND PROFILE
STA: 316+25
TO
STA: 330+00

MARATHON ROAD
CR 27A

LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

SHEET:
3 - 24

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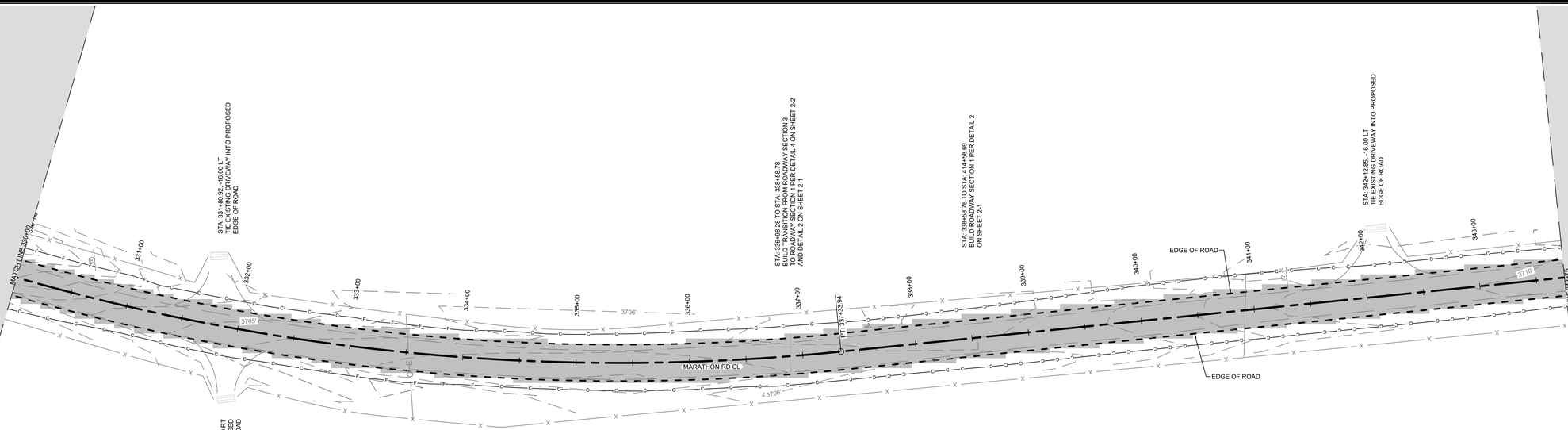


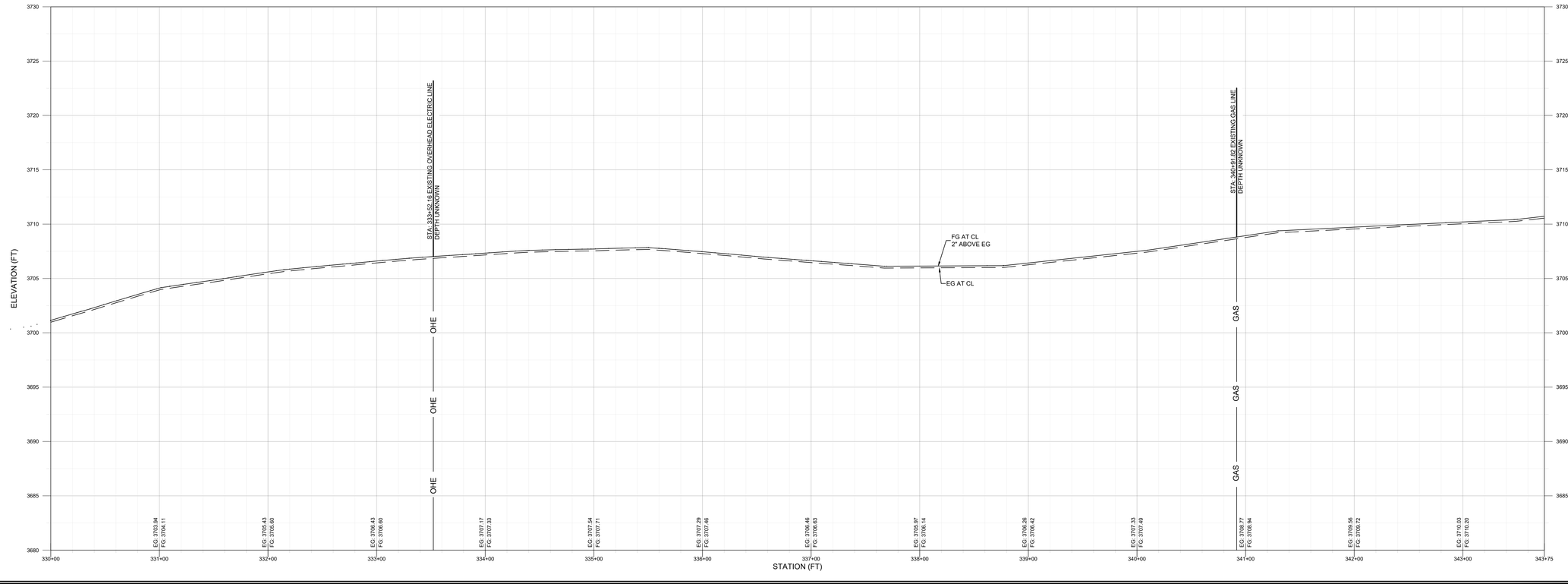
ROADWAY SECTION SCHEDULE		
STARTING SECTION	ENDING SECTION	ROADWAY SECTION
329+44.62	336+98.28	3
336+98.28	338+58.78	TRANSITION FROM 3 TO 1
338+58.78	414+58.69	1

SCALE 1" = 50'

0' 25' 50' 100'

MARATHON CL STA : 330+00.00 TO STA : 343+75.00

HORIZONTAL SCALE: 1" = 50' VERTICAL SCALE: 1" = 5'



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JEREMY BAKER NEW MEXICO 16207 REGISTERED PROFESSIONAL ENGINEER

10/14/2020

PROJECT ENGINEER:	JEREMY BAKER, PE
PROJECT DESIGNER:	LAXMI P. PANERU, EI
DRAWN BY:	LPP

LEGEND

- EXIST. GRADE 1' CONTOUR
- EXIST. GRADE 5' CONTOUR
- C — GRADING LIMITS CUT
- F — GRADING LIMITS FILL
- PROPOSED EOR
- EXISTING EOR
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- CENTERLINE ALIGNMENT
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- RELOCATED CULVERT
- ASPHALT
- CONCRETE
- EDGE OF ROAD
- EXISTING GRADE
- FINISH GRADE

EOR
EG
FG

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS

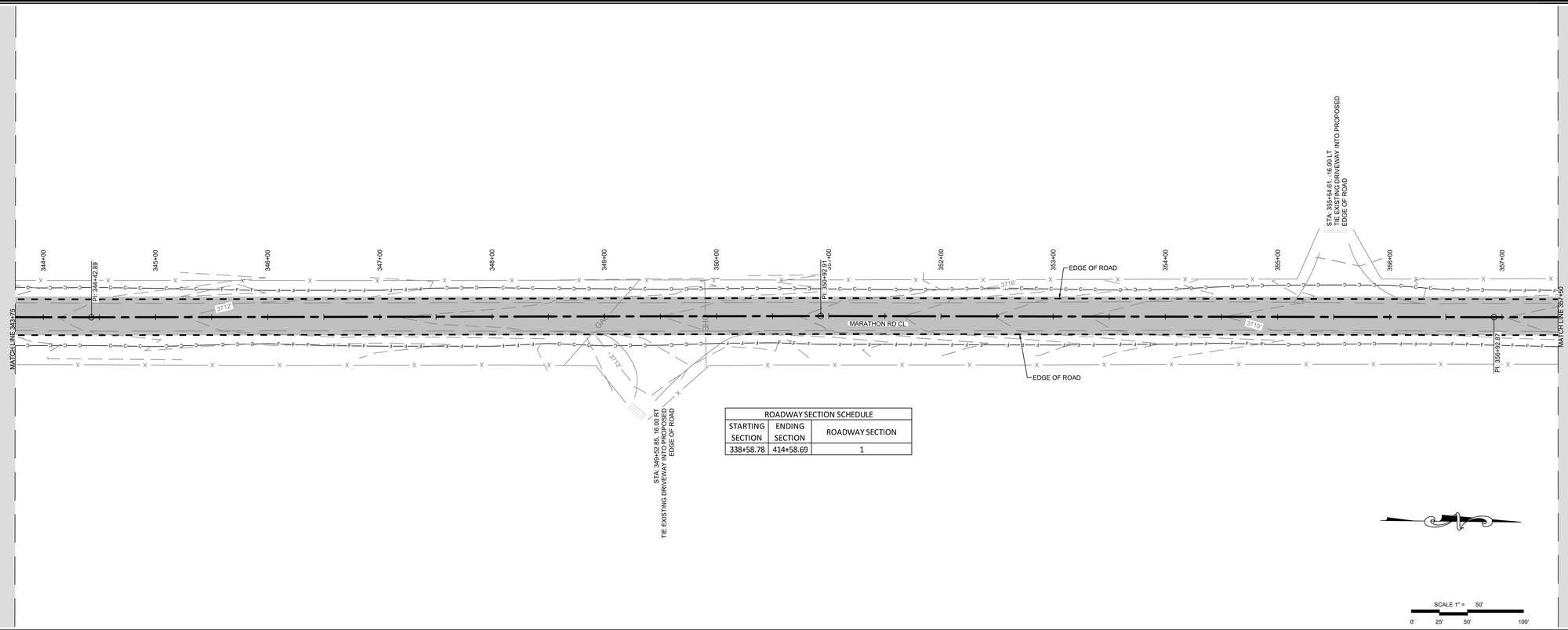
PLAN AND PROFILE
STA: 330+00
TO
STA: 343+75

MARATHON ROAD
CR 27A

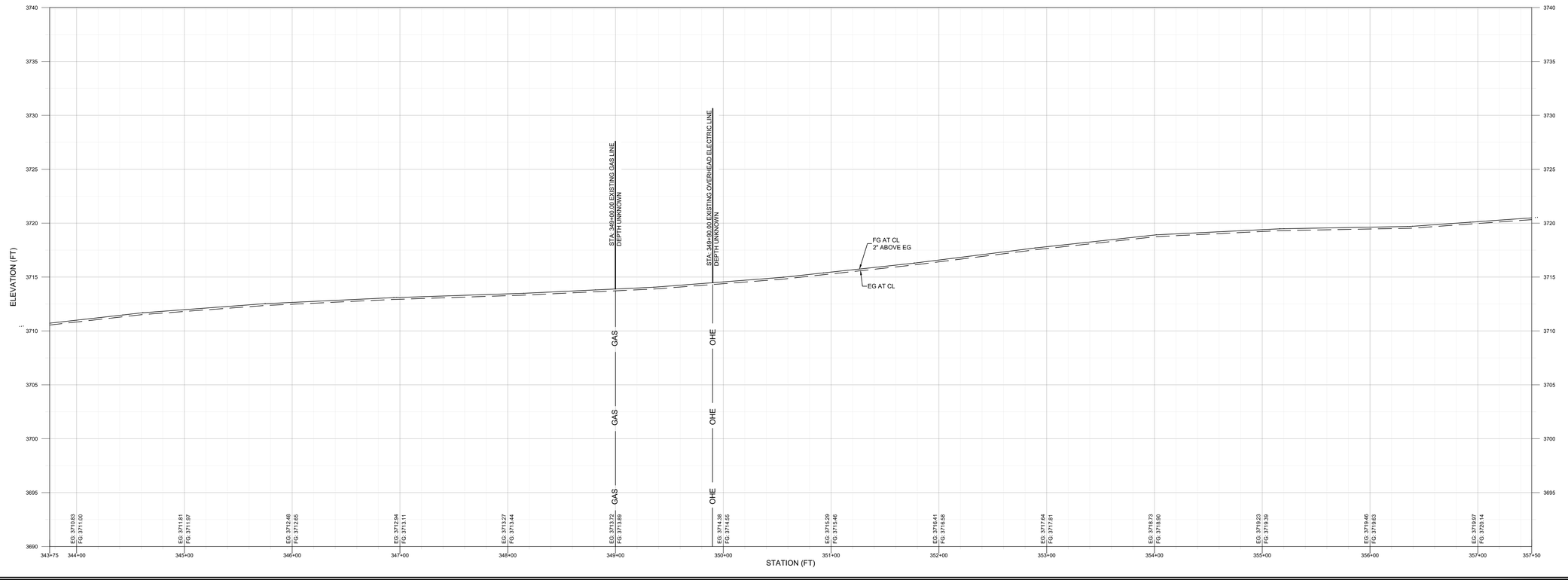
LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

SHEET:
3 - 25



ROADWAY SECTION SCHEDULE		
STARTING SECTION	ENDING SECTION	ROADWAY SECTION
338+58.78	414+58.69	1



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JEREMY BAKER NEW MEXICO 16207 LICENSED PROFESSIONAL ENGINEER

10/14/2020

PROJECT ENGINEER:	JEREMY BAKER, PE
PROJECT DESIGNER:	LAXMI P. PANERU, EI
DRAWN BY:	LPP

LEGEND

- EXIST. GRADE 1' CONTOUR
- EXIST. GRADE 5' CONTOUR
- C — GRADING LIMITS CUT
- F — GRADING LIMITS FILL
- PROPOSED EOR
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- ASPHALT
- CONCRETE
- EOR — EDGE OF ROAD
- EG — EXISTING GRADE
- FG — FINISH GRADE

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS

PLAN AND PROFILE
STA: 343+75
TO
STA: 357+50

MARATHON ROAD
CR 27A

LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

SHEET:
3 - 26

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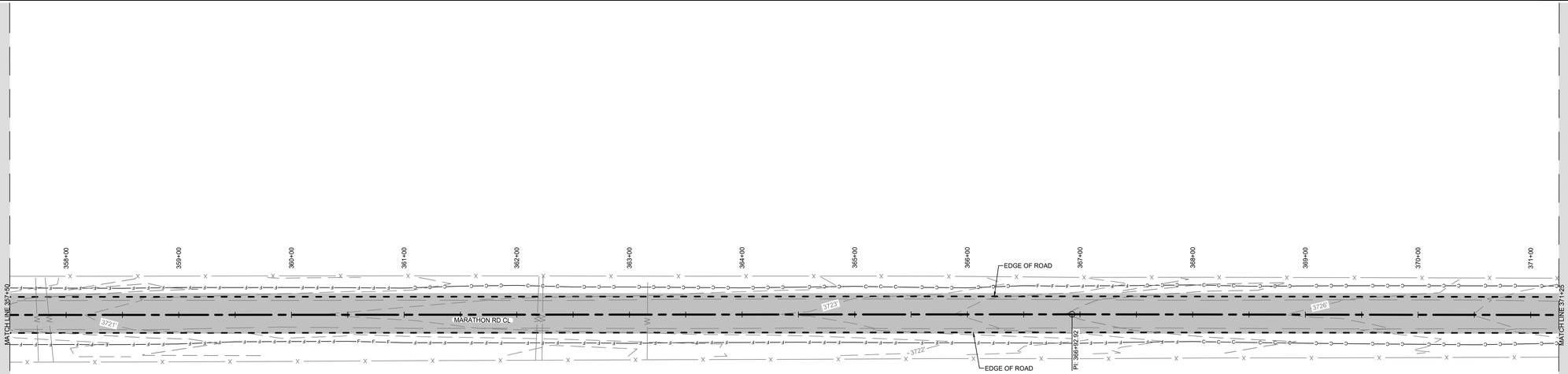
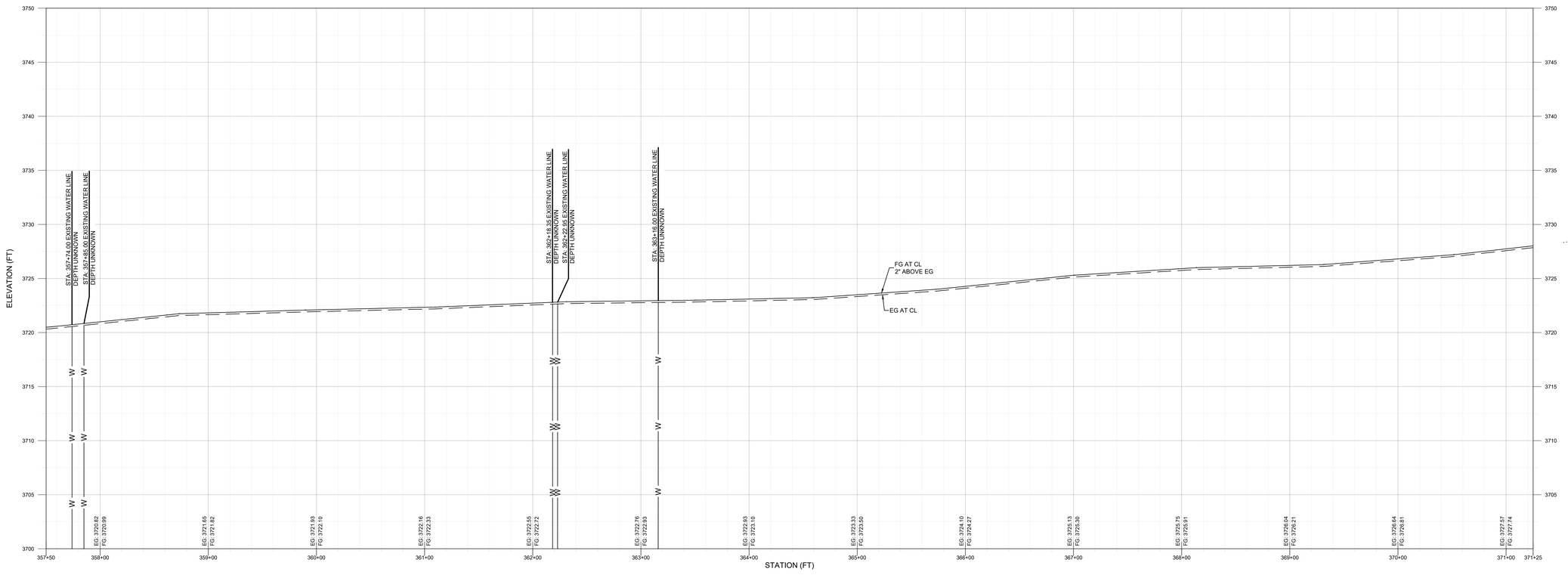


ROADWAY SECTION SCHEDULE		
STARTING SECTION	ENDING SECTION	ROADWAY SECTION
338+58.78	414+58.69	1



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JEREMY BAKER
NEW MEXICO
16207
LICENSED PROFESSIONAL ENGINEER

10/14/2020

PROJECT ENGINEER:	JEREMY BAKER, PE
PROJECT DESIGNER:	LAXMI P. PANERU, EI
DRAWN BY:	LPP

LEGEND

- EXIST. GRADE 1' CONTOUR
- EXIST. GRADE 5' CONTOUR
- C — GRADING LIMITS CUT
- F — GRADING LIMITS FILL
- PROPOSED EOR
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- RELOCATED CULVERT
- ASPHALT
- CONCRETE
- EOR — EDGE OF ROAD
- EG — EXISTING GRADE
- FG — FINISH GRADE

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS

PLAN AND PROFILE
STA: 357+50
TO
STA: 371+25

MARATHON ROAD
CR 27A

LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

SHEET:
3 - 27

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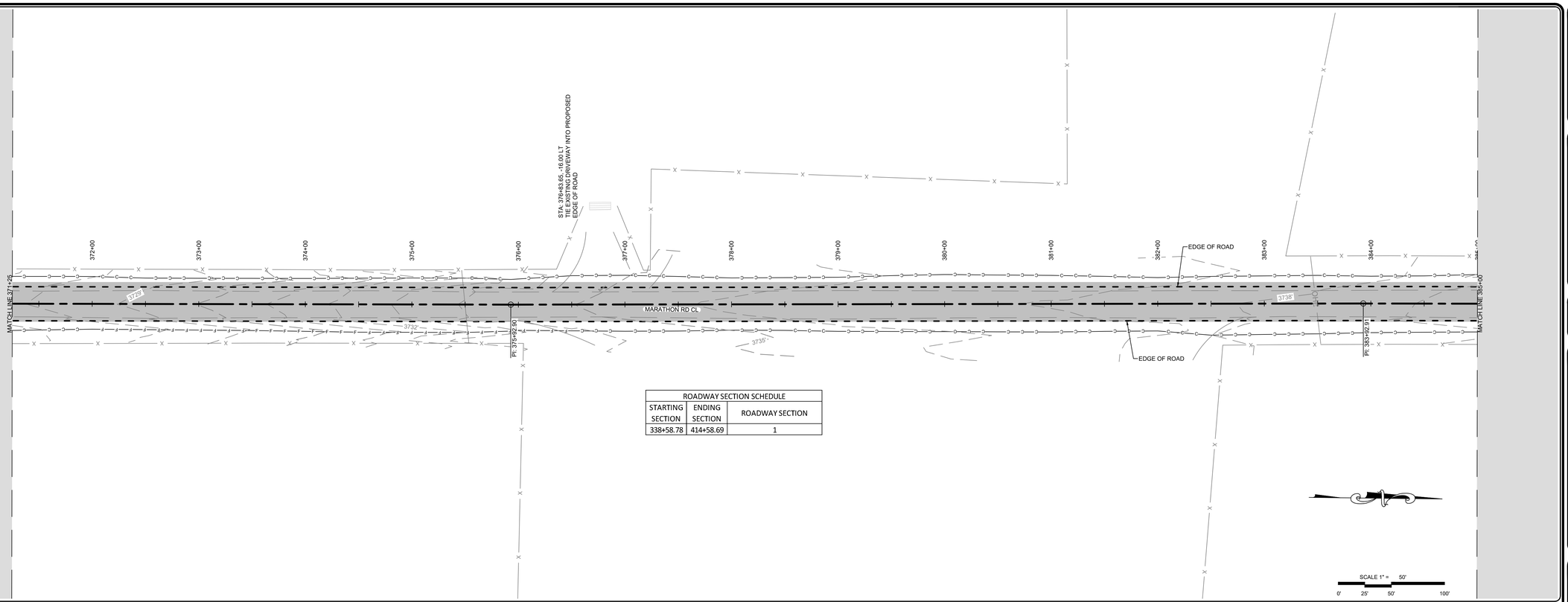
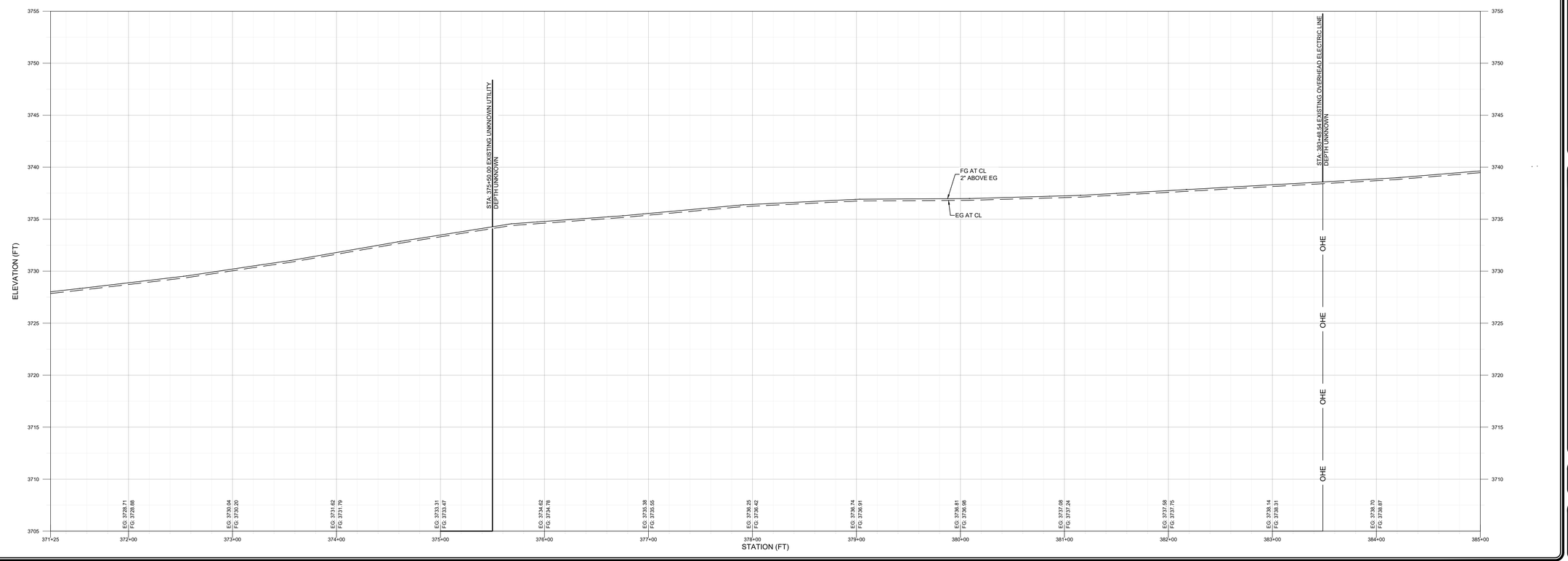


ROADWAY SECTION SCHEDULE		
STARTING SECTION	ENDING SECTION	ROADWAY SECTION
338+58.78	414+58.69	1



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JEREMY BAKER NEW MEXICO 16207 LICENSED PROFESSIONAL ENGINEER

10/14/2020

PROJECT ENGINEER:	JEREMY BAKER, PE
PROJECT DESIGNER:	LAXMI P. PANERU, EI
DRAWN BY:	LPP

LEGEND

- EXIST. GRADE 1' CONTOUR
- EXIST. GRADE 5' CONTOUR
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- F — GRADING LIMITS FILL
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- CONCRETE
- EOR — EDGE OF ROAD
- EG — EXISTING GRADE
- FG — FINISH GRADE

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS

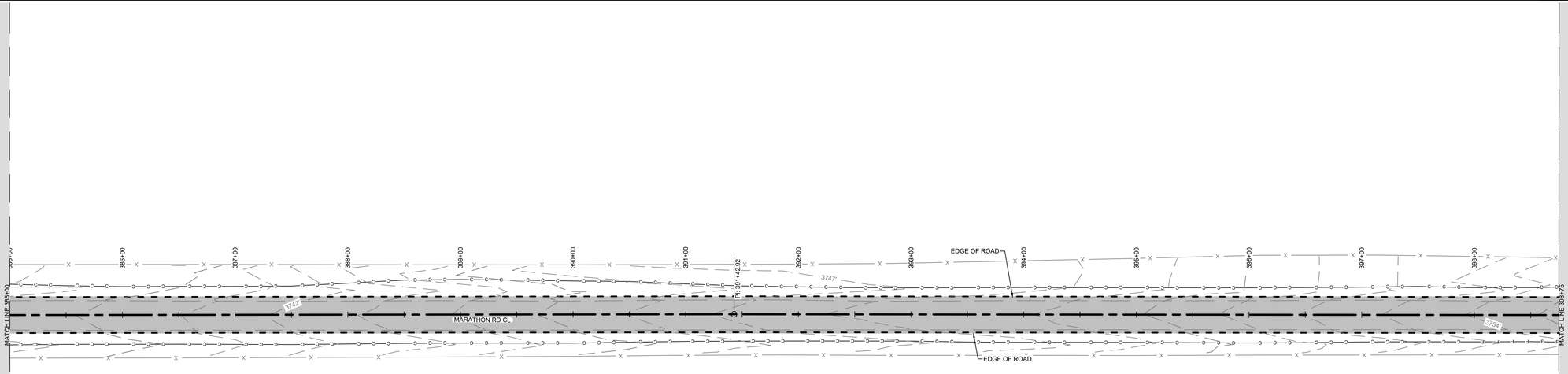
PLAN AND PROFILE
STA: 371+25
TO
STA: 385+00

MARATHON ROAD
CR 27A

LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

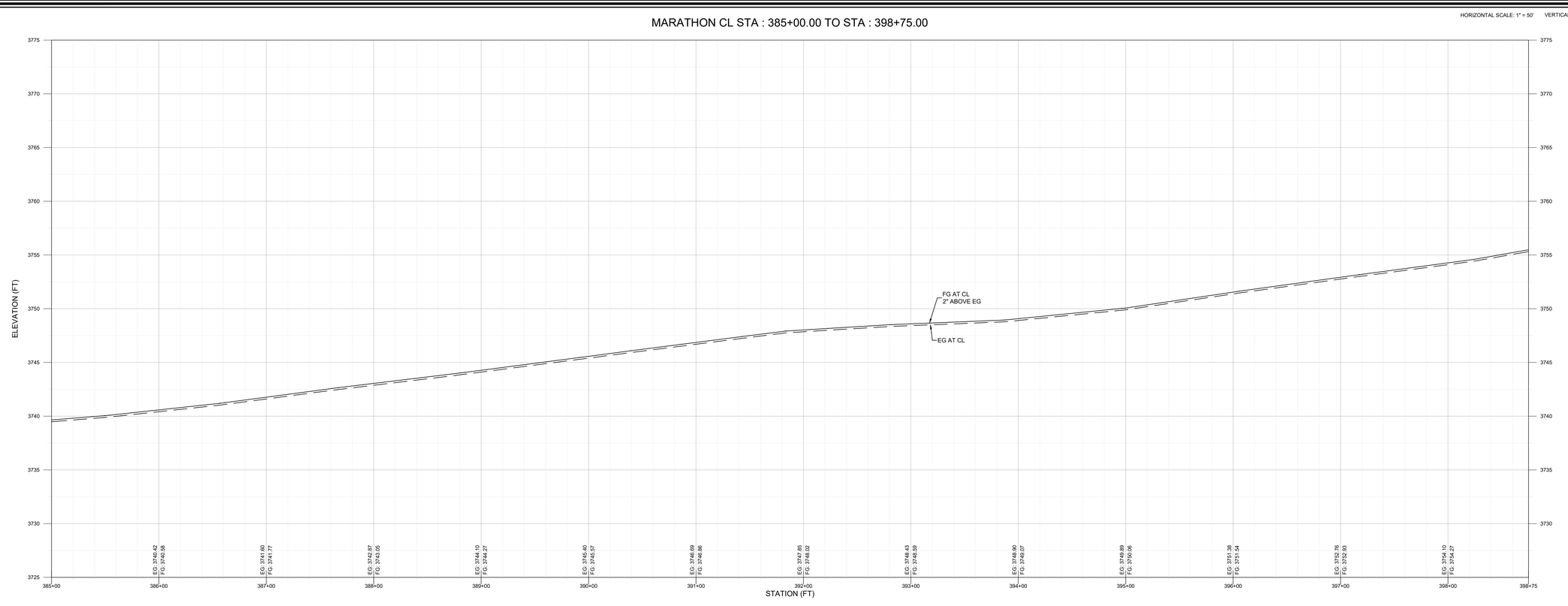
SHEET:
3 - 28



ROADWAY SECTION SCHEDULE		
STARTING SECTION	ENDING SECTION	ROADWAY SECTION
338+58.78	414+58.69	1

SCALE 1" = 50'

0' 25' 50' 100'



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JEREMY BAKER NEW MEXICO 16207 LICENSED PROFESSIONAL ENGINEER

10/14/2020

PROJECT ENGINEER:	JEREMY BAKER, PE
PROJECT DESIGNER:	LAXMI P. PANERU, EI
DRAWN BY:	LPP

LEGEND

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- EXIST. GRADE 5' CONTOUR
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- F — GRADING LIMITS FILL
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- RELOCATED CULVERT
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- EOR — EDGE OF ROAD
- EG — EXISTING GRADE
- FG — FINISH GRADE

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS

PLAN AND PROFILE
STA: 385+00
TO
STA: 398+75

MARATHON ROAD
CR 27A

LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

SHEET:
3 - 29

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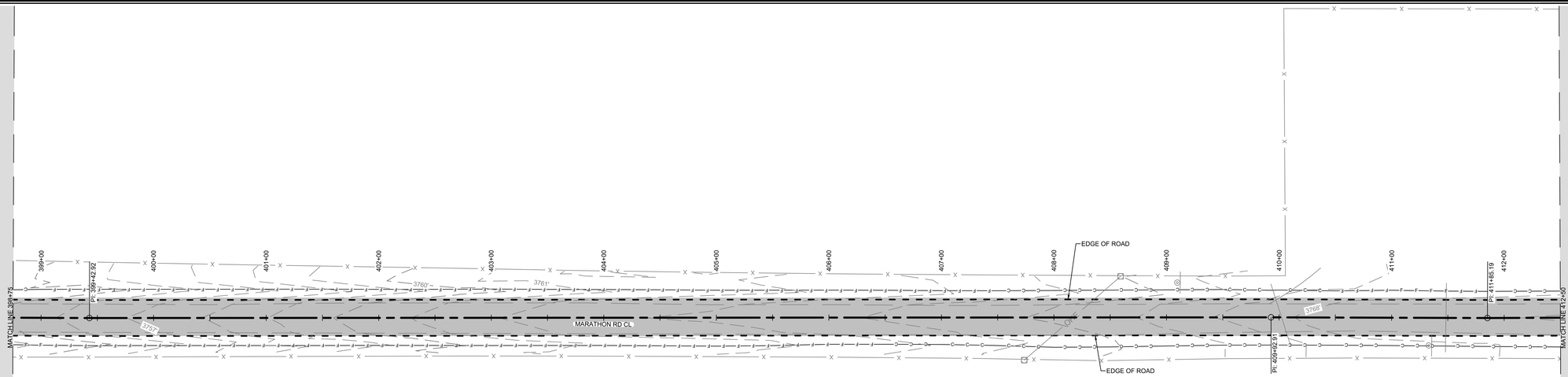
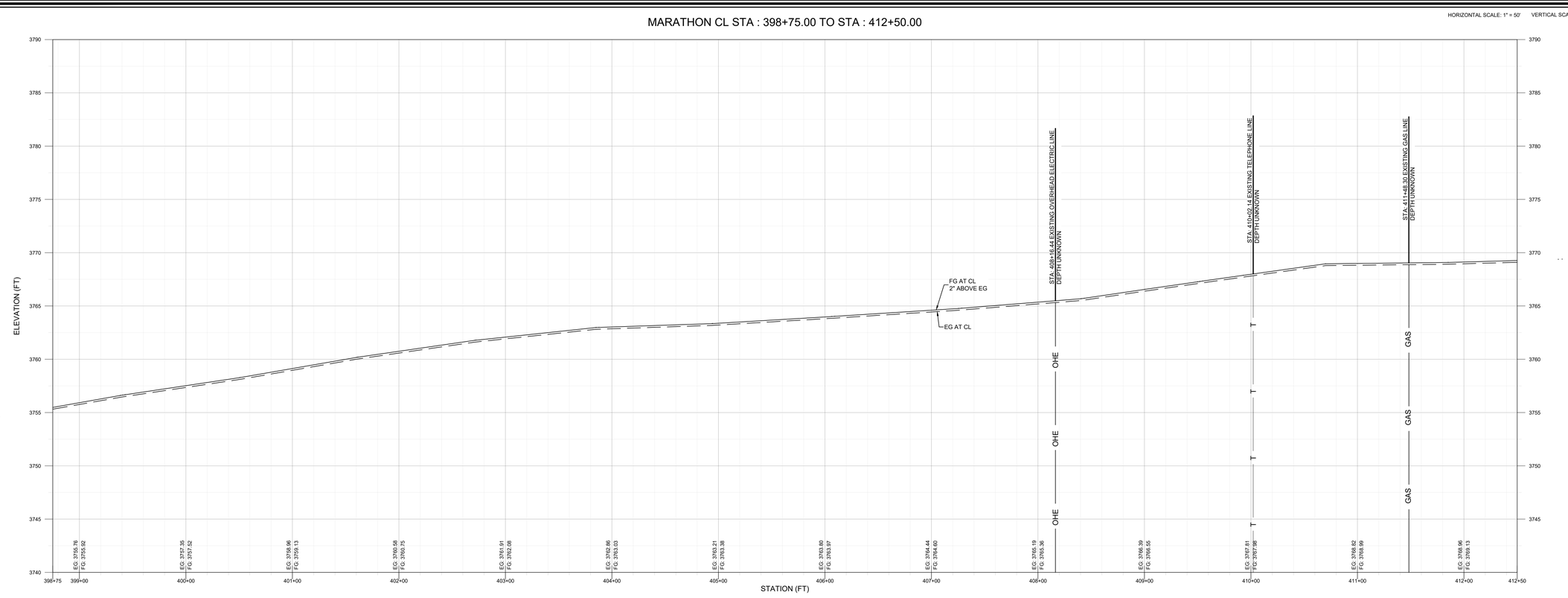


ROADWAY SECTION SCHEDULE		
STARTING SECTION	ENDING SECTION	ROADWAY SECTION
338+58.78	414+58.69	1



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10/14/2020

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PROJECT DESIGNER:	LAXMI P. PANERU, EI
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LEGEND

- EXIST. GRADE 1' CONTOUR
- EXIST. GRADE 5' CONTOUR
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- F — GRADING LIMITS FILL
- PROPOSED EOR
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- RELOCATED CULVERT
- ASPHALT
- CONCRETE
- EOR — EDGE OF ROAD
- EG — EXISTING GRADE
- FG — FINISH GRADE

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS

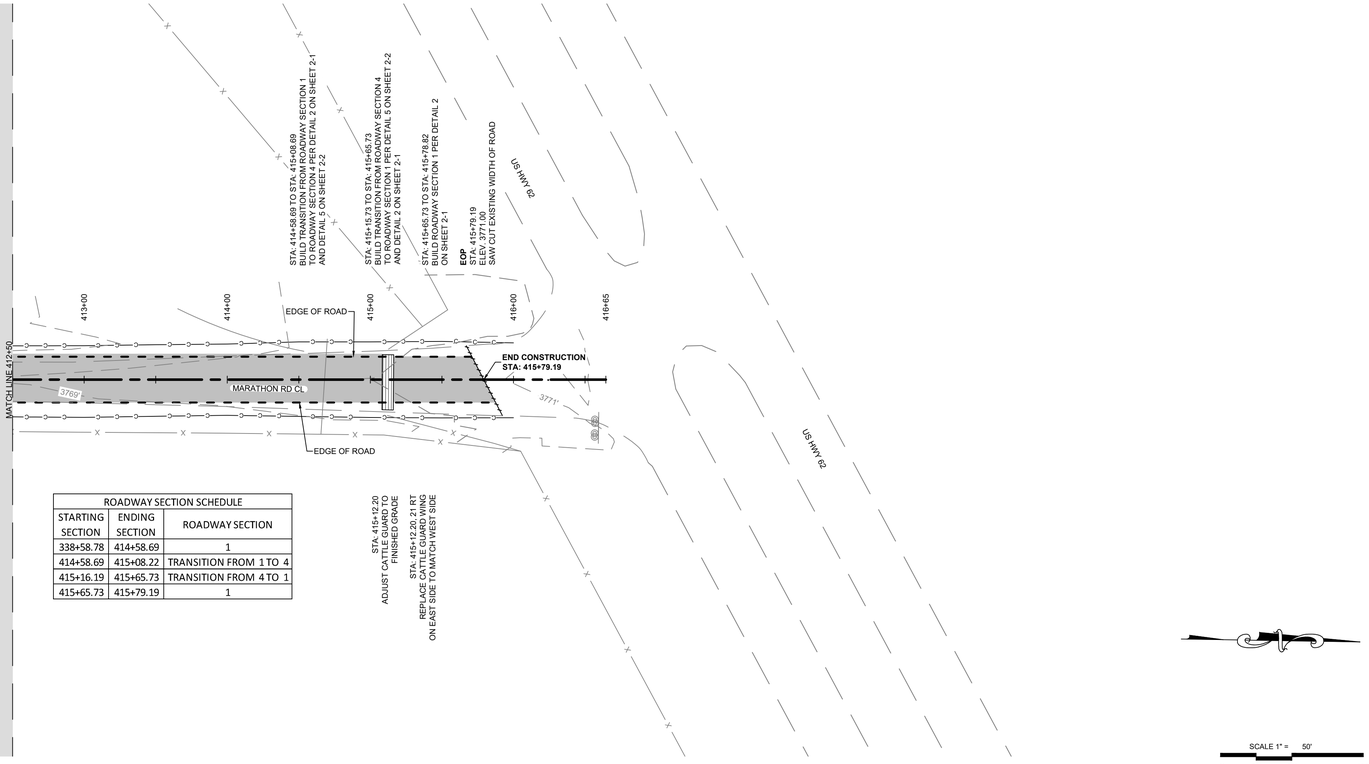
PLAN AND PROFILE
STA: 398+75
TO
STA: 412+50

MARATHON ROAD
CR 27A

LEA COUNTY, NM

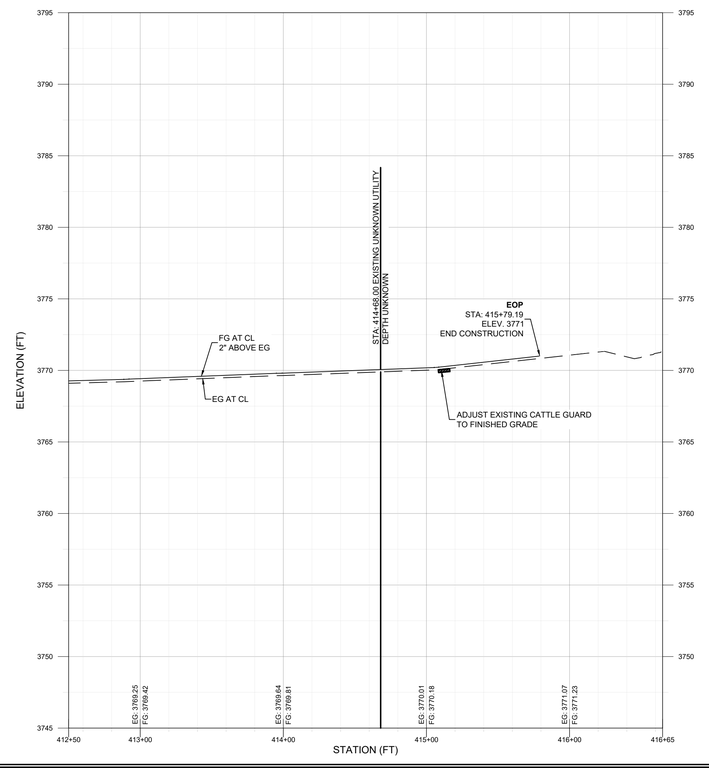
PROJECT NUMBER:
2020.1033

SHEET:
3 - 30



ROADWAY SECTION SCHEDULE		
STARTING SECTION	ENDING SECTION	ROADWAY SECTION
338+58.78	414+58.69	1
414+58.69	415+08.22	TRANSITION FROM 1 TO 4
415+16.19	415+65.73	TRANSITION FROM 4 TO 1
415+65.73	415+79.19	1

HORIZONTAL SCALE: 1" = 50' VERTICAL SCALE: 1" = 5'



PETTIGREW & ASSOCIATES PA
ENGINEERING | SURVEYING | TESTING
DEFINING QUALITY SINCE 1965
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T 575 393 9827 F 575 393 1543
Pettigrew.us

JEREMY BAKER NEW MEXICO 16207 LICENSED PROFESSIONAL ENGINEER

10/14/2020

PROJECT ENGINEER:	JEREMY BAKER, PE
PROJECT DESIGNER:	LAXMI P. PANERU, EI
DRAWN BY:	LPP

LEGEND

- EXIST. GRADE 1' CONTOUR
- EXIST. GRADE 5' CONTOUR
- C — GRADING LIMITS CUT
- F — GRADING LIMITS FILL
- PROPOSED EOR
- EXISTING EOR
- X — EXISTING FENCE
- CENTERLINE ALIGNMENT
- SAW CUT
- RELOCATED CULVERT
- ASPHALT
- CONCRETE
- EOR / EG / FG — EDGE OF ROAD / EXISTING GRADE / FINISH GRADE

REVISIONS

No.	DATE	DESCRIPTION
1	10/14/2020	UPDATED CUT/ FILL LIMITS

PLAN AND PROFILE
STA: 412+50
TO
STA: 416+65

MARATHON ROAD
CR 27A

LEA COUNTY, NM

PROJECT NUMBER:
2020.1033

SHEET:
3 - 31