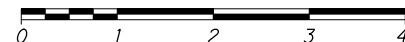




SCALE IN MILES



PORTION TO BE IMPROVED.....	_____
INTERSTATE HIGHWAY.....	_____
FEDERAL ROUTES.....	_____
STATE ROUTES.....	_____
COUNTY & TOWNSHIP ROADS.....	_____
OTHER ROADS.....	_____

CURRENT ADT (2017)	35,820
DESIGN YEAR ADT (2020)	48,230
DESIGN HOURLY VOLUME (2020)	3,580
DIRECTIONAL DISTRIBUTION	58%
TRUCKS (24 HOUR B&C)	6%
DESIGN SPEED	40 MPH
LEGAL SPEED	35 MPH
DESIGN FUNCTIONAL CLASSIFICATION	URBAN PRINCIPAL ARTERIAL
NHS PROJECT	NO

NONE

<h1 style="text-align: center;">UNDERGROUND UTILITIES</h1> <p style="text-align: center;">CONTACT BOTH SERVICES TWO WORKING DAYS BEFORE YOU DIG.</p>	
 <p>OHIO Utilities Protection SERVICE</p> <p>(Non-members must be called directly)</p>	<p><i>Call Before You Dig</i></p> <p>1-800-362-2764</p>
<p style="text-align: center;">OIL & GAS PRODUCERS UNDERGROUND PROTECTION SERVICE</p> <p style="text-align: center;">1-800-925-0988</p>	



ENGINEERS SEAL:



SIGNED: Alan Mel
DATE: 07/29/2019

ENGINEERS SEAL:

SIGNED: _____
DATE: _____

CITY OF CLEVELAND
CUYAHOGA COUNTY

SEE SHEET 2 - 4

BU-14
ROADWAY AND PAVEMENT:
BEGIN PROJECT TO KINGSBURY RUN

PLAN PREPARED BY:

Michael Baker

INTERNATIONAL

1111 SUPERIOR AVENUE EAST, SUITE 2300
CLEVELAND, OHIO 44114

ODOT STANDARD CONSTRUCTION DRAWINGS						CITY OF CLEVELAND STANDARD CONSTRUCTION DRAWINGS				ODOT SUPPLEMENTAL SPECIFICATIONS		SPECIAL PROVISIONS	
BP-1.1	07/28/00	MGS-1.1	07/19/13	CB-1.1	01/15/16	CONC-1	07/08/08	A-503	07/08/08	800	07/15/16		
BP-2.1	07/17/15	MGS-2.1	07/19/13	CB-2.1	01/15/16	ASPH-1	07/08/08	A-605	07/08/08	840	04/15/16		
BP-2.2	07/18/08	MGS-4.2	07/19/13	CB-2.2	01/15/16	BP-1	04/14/08	A-695	07/08/08	875	01/17/14		
BP-3.1	07/18/14					PR-1	08/03/09	CB-1	07/08/08	878	07/15/16		
BP-4.1	07/19/13	RM-1.1	07/18/14	TC-64.10	01/17/15	CR-1	12/08/09	MB-1C	10/15/14				
BP-5.1	07/19/13	RM-4.3	07/18/14			CD-1	12/03/09						
BP-7.1	07/18/14	RM-5.2	01/17/14	MH-1.1	01/15/16	146-ME	07/08/08						
BP-9.1	07/19/13	RM-6.1	07/18/14	MH-3.1	01/18/13	MH-1	07/08/08						
						CB-1	07/08/08						
F-1.1	07/19/13			DM-1.2	01/18/13								
F-3.1	07/19/13			DM-4.3	01/15/16					1027	12/31/12		
F-3.4	07/19/13												

THIS PROJECT CONSISTS OF THE CONSTRUCTION OF 2.09 MILES OF A NEW TWO- TO THREE-LANE BOULEVARD FROM E. 55TH ST. TO E. 93RD ST. WORK INCLUDES PAVEMENT, RAILROAD, STRUCTURES, DRAINAGE, WATERWORK, LIGHTING, POWER DISTRIBUTION, TRAFFIC CONTROL, LANDSCAPING, AND ADJUSTMENT OF EXISTING UTILITIES.

PROJECT EARTH DISTURBED AREA: 87.2 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: 0 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA: 87.2 ACRES
(AREA SERVICED BY COMBINED SEWER)

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

1	2020-01-03	DC027
0	2019-07-29	RFC
NO.	DATE	DESCRIPTION
ISSUE RECORD		

FEDERAL PROJECT NO.

E140 (249)

PID NO.

96833

CONSTRUCTION PROJECT NO.

17-3000

RAILROAD INVOLVEMENT

GCPTA
OK SOUTHERN

CIIY-IB490/SB010-

209 / 19 28

$$\frac{1}{303}$$

ISSUE NO.	RECORD DATE	PAGE NO.	SHEET TITLE
1	2020-01-03	1	TITLE SHEET
7	2024-09-10	2	INDEX OF SHEETS (1 OF 3)
1	2024-09-10	3	INDEX OF SHEETS (2 OF 3)
3	2024-09-10	4	INDEX OF SHEETS (3 OF 3)
1	2024-09-10	5	SCHEMATIC PLAN - O.C. BLVD.: BEGIN PROJECT TO STA. 128+00.00
1	2024-09-10	6	SCHEMATIC PLAN - O.C. BLVD.: STA. 128+00.00 TO STA. 155+00.00
1	2024-09-10	7	SCHEMATIC PLAN - O.C. BLVD.: STA. 155+00.00 TO STA. 177+00.00
1	2024-09-10	8	SCHEMATIC PLAN - O.C. BLVD.: STA. 177+00.00 TO STA. 202+00.00
1	2024-09-10	9	SCHEMATIC PLAN - O.C. BLVD.: STA. 202+00.00 TO END PROJECT
1	2024-09-10	10	DESIGN DESIGNATIONS AND MONUMENTATION
0	2019-07-29	11	CENTERLINE REFERENCE TIES
0	2019-07-29	12	EXISTING TYPICAL SECTIONS
0	2019-07-29	13	EXISTING TYPICAL SECTIONS
0	2019-07-29	14	EXISTING TYPICAL SECTIONS
2	2024-09-10	15	PROPOSED TYPICAL SECTIONS
0	2019-07-29	16	PROPOSED TYPICAL SECTIONS
0	2019-07-29	17	PROPOSED TYPICAL SECTIONS
0	2019-07-29	18	PROPOSED TYPICAL SECTIONS
1	2020-06-19	19	PROPOSED TYPICAL SECTIONS
2	2020-06-19	20	PROPOSED TYPICAL SECTIONS
2	2024-09-10	21	PROPOSED TYPICAL SECTIONS
1	2024-09-10	22	PROPOSED SUBGRADE TREATMENT
0	2019-07-29	23	GENERAL NOTES
2	2024-09-10	24	GENERAL NOTES
0	2019-07-29	25	GENERAL NOTES
1	2020-02-17	26	GENERAL NOTES
0	2019-07-29	27	PLAN - OPPORTUNITY CORRIDOR BLVD.: BEGIN TO STA. 109+00.00
0	2019-07-29	28	PROFILE - OPPORTUNITY CORRIDOR BLVD.: BEGIN TO STA. 109+00.00
1	2024-09-10	29	PLAN - OPPORTUNITY CORRIDOR BLVD.: STA. 109+00.00 TO STA. 114+00.00
1	2024-09-10	30	PROFILE - OPPORTUNITY CORRIDOR BLVD.: STA. 109+00.00 TO STA. 114+00.00
0	2019-07-29	31	PLAN - OPPORTUNITY CORRIDOR BLVD.: STA. 114+00.00 TO STA. 119+00.00
0	2019-07-29	32	PROFILE - OPPORTUNITY CORRIDOR BLVD.: STA. 114+00.00 TO STA. 119+00.00
1	2024-09-10	33	PLAN - OPPORTUNITY CORRIDOR BLVD.: STA. 119+00.00 TO STA. 124+00.00
1	2024-09-10	34	PROFILE - OPPORTUNITY CORRIDOR BLVD.: STA. 119+00.00 TO STA. 124+00.00
3	2024-09-10	35	PLAN - OPPORTUNITY CORRIDOR BLVD.: STA. 124+00.00 TO STA. 129+00.00
1	2024-09-10	36	PROFILE - OPPORTUNITY CORRIDOR BLVD.: STA. 124+00.00 TO STA. 129+00.00
1	2024-09-10	37	PLAN - OPPORTUNITY CORRIDOR BLVD.: STA. 129+00.00 TO STA. 134+00.00
1	2024-09-10	38	PROFILE - OPPORTUNITY CORRIDOR BLVD.: STA. 129+00.00 TO STA. 134+00.00
1	2024-09-10	39	PLAN - OPPORTUNITY CORRIDOR BLVD.: STA. 134+00.00 TO STA. 139+00.00
1	2024-09-10	40	PROFILE - OPPORTUNITY CORRIDOR BLVD.: STA. 134+00.00 TO STA. 139+00.00
2	2024-09-10	41	PLAN - OPPORTUNITY CORRIDOR BLVD.: STA. 139+00.00 TO STA. 144+00.00
1	2024-09-10	42	PROFILE - OPPORTUNITY CORRIDOR BLVD.: STA. 139+00.00 TO STA. 144+00.00
0	2019-07-29	43	PLAN - RAMP E-N: BEGIN TO STA. 206+50.00
0	2019-07-29	44	PROFILE - RAMP E-N: BEGIN TO STA. 206+50.00
0	2019-07-29	45	PLAN - RAMP E-N: STA. 206+50.00 TO END
0	2019-07-29	46	PROFILE - RAMP E-N: STA. 206+50.00 TO END
0	2019-07-29	47	PLAN - RAMP S-E: BEGIN TO STA. 305+00.00
0	2019-07-29	48	PROFILE - RAMP S-E: BEGIN TO STA. 305+00.00
0	2019-07-29	49	PLAN - RAMP S-E: STA. 305+00.00 TO STA. 310+00.00
0	2019-07-29	50	PROFILE - RAMP S-E: STA. 305+00.00 TO STA. 310+00.00
0	2019-07-29	51	PLAN - RAMP S-E: STA. 310+00.00 TO END
0	2019-07-29	52	PROFILE - RAMP S-E: STA. 310+00.00 TO END
1	2024-09-10	53	PLAN - QUADRANT RD.: BEGIN TO STA. 103+50.00
1	2024-09-10	54	PROFILE - QUADRANT RD.: BEGIN TO STA. 103+50.00
1	2024-09-10	55	PLAN - QUADRANT RD.: STA. 103+50.00 TO END

ISSUE NO.	RECORD DATE	PAGE NO.	SHEET TITLE
1	2024-09-10	56	PROFILE - QUADRANT RD.: STA. 103+50.00 TO END
1	2024-09-10	57	PLAN - E. 55TH ST.: BEGIN TO STA. 12+00.00
0	2019-07-29	58	PROFILE - E. 55TH ST.: BEGIN TO STA. 12+00.00
3	2024-09-10	59	PLAN - E. 55TH ST.: STA. 12+00.00 TO STA. 17+00.00
1	2024-09-10	60	PROFILE - E. 55TH ST.: STA. 12+00.00 TO STA. 17+00.00
0	2019-07-29	61	PLAN - E. 55TH ST.: STA. 17+00.00 TO END
0	2019-07-29	62	PROFILE - E. 55TH ST.: STA. 17+00.00 TO END
2	2024-09-10	63	PLAN - E. 59TH ST.
1	2024-09-10	64	PROFILE - E. 59TH ST.
1	2024-09-10	65	PROFILE - SHARED-USE PATH: BEGIN TO STA. 31+00.00
0	2019-07-29	66	PROFILE - SHARED-USE PATH: STA. 31+00.00 TO END
0	2019-07-29	67	PROFILE - E. 59TH ST. PATH
1	2024-09-10	68	DEMOLITION PLAN KEY MAP
0	2019-07-29	69	DEMOLITION PLAN - I.R. 490
0	2019-07-29	70	DEMOLITION PLAN - I.R. 490
0	2019-07-29	71	DEMOLITION PLAN - I.R. 490
1	2024-09-10	72	DEMOLITION PLAN - E. 55TH ST. / FRANCIS AVE.
1	2024-09-10	73	DEMOLITION PLAN - E. 55TH ST. / BOWER AVE.
1	2024-09-10	74	DEMOLITION PLAN - E. 57TH ST. / E. 59TH ST. / FRANCIS AVE.
0	2019-07-29	75	DEMOLITION PLAN - E. 57TH ST. / E. 59TH ST. / BOWER AVE.
1	2024-09-10	76	DEMOLITION PLAN - E. 61ST ST. / BOWER AVE. / BUTLER AVE.
1	2024-09-10	77	DEMOLITION PLAN - E. 64TH ST. / BUTLER AVE.
0	2019-07-29	78	DEMOLITION PLAN - MAURICE AVE. & BELFORD AVE.
0	2019-07-29	79	DEMOLITION PLAN - MAURICE AVE. & BELFORD AVE.
0	2019-07-29	80	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 108+00.00 TO STA. 108+50.00
0	2019-07-29	81	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 108+75.00 TO STA. 109+25.00
0	2019-07-29	82	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 109+50.00 TO STA. 110+00.00
0	2019-07-29	83	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 110+25.00 TO STA. 110+75.00
0	2019-07-29	84	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 111+00.00 TO STA. 111+50.00
1	2024-09-10	85	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 111+75.00 TO STA. 112+25.00
0	2019-07-29	86	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 112+50.00 TO STA. 113+00.00
0	2019-07-29	87	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 113+25.00 TO STA. 113+75.00
0	2019-07-29	88	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 114+00.00 TO STA. 114+50.00
0	2019-07-29	89	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 114+65.02 TO STA. 115+25.00
0	2019-07-29	90	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 115+50.00 TO STA. 116+00.00
0	2019-07-29	91	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 116+25.00 TO STA. 116+50.00
0	2019-07-29	92	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 116+75.00 TO STA. 117+25.00
0	2019-07-29	93	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 117+50.00 TO STA. 117+75.00
0	2019-07-29	94	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 118+00.00 TO STA. 118+25.00
0	2019-07-29	95	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 118+50.00 TO STA. 118+75.00
0	2019-07-29	96	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 119+00.00 TO STA. 119+25.00
0	2019-07-29	97	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 119+50.00 TO STA. 119+75.00
0	2019-07-29	98	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 120+00.00 TO STA. 120+25.00
1	2024-09-10	99	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 120+50.00 TO STA. 120+75.00
0	2019-07-29	100	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 121+00.00 TO STA. 121+25.00
0	2019-07-29	101	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 121+50.00 TO STA. 121+75.00
0	2019-07-29	102	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 122+00.00 TO STA. 122+25.00
0	2019-07-29	103	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 122+50.00 TO STA. 122+75.00
1	2024-09-10	104	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 123+00.00 TO STA. 123+25.00
1	2024-09-10	105	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 123+50.00 TO STA. 123+75.00
1	2024-09-10	106	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 124+00.00 TO STA. 124+25.00
0	2019-07-29	107	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 124+50.00 TO STA. 124+75.00
1	2024-09-10	108	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 125+00.00 TO STA. 125+25.00
1	2024-09-10	109	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 125+50.00 TO STA. 125+75.00
1	2024-09-10	110	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 126+00.00 TO STA. 126+25.00

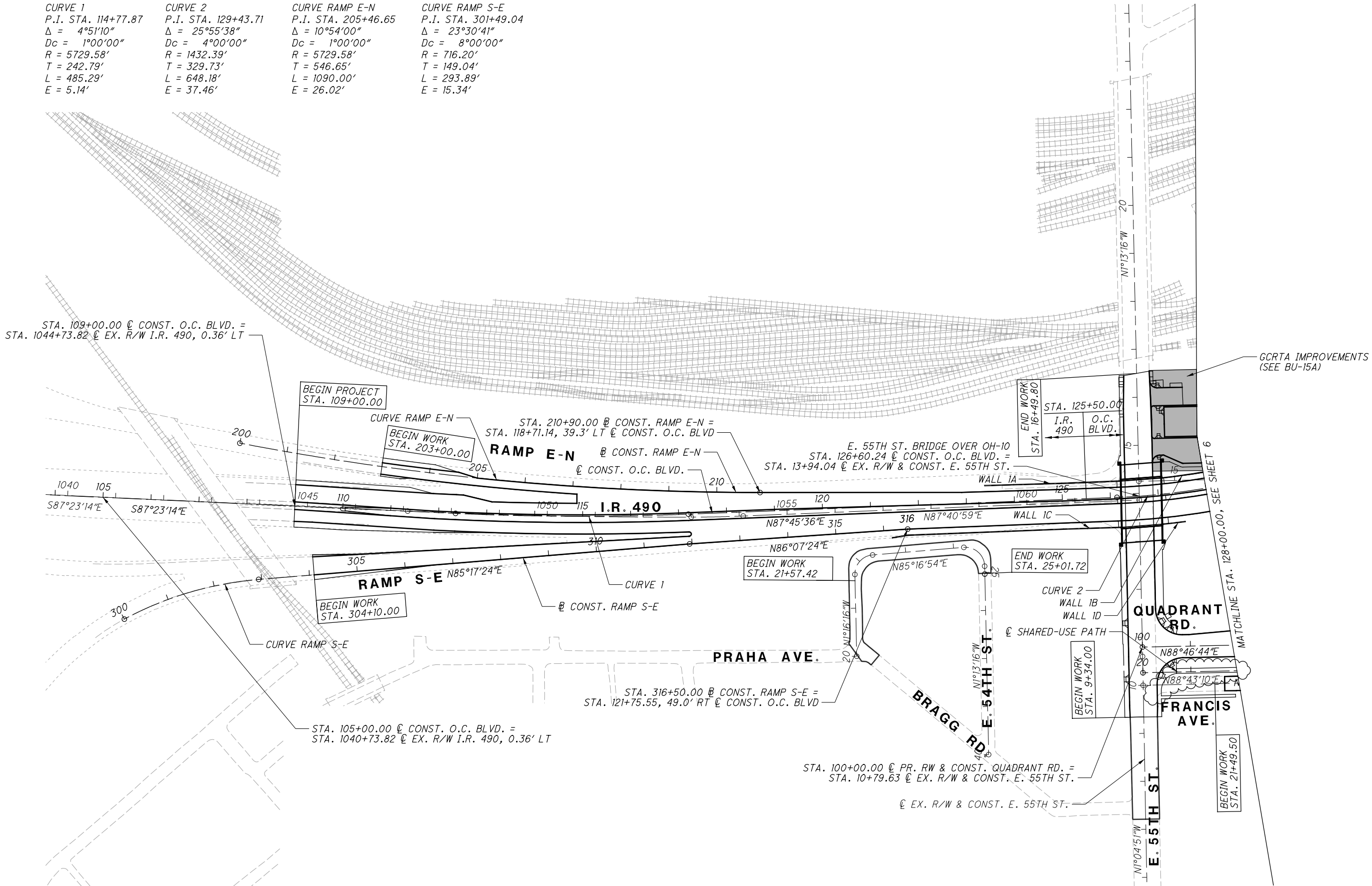
4	2020-02-17	DC033			
3	2020-01-08	DC028			
2	2020-01-03	DC027	7	2024-09-10	RECORD DRAWINGS
1	2019-12-04	DC024	6	2020-06-19	DC043
0	2019-07-29	RFC	5	2020-05-20	DC039
NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION
ISSUE RECORD			ISSUE RECORD		

ISSUE NO.	RECORD DATE	PAGE NO.	SHEET TITLE
1	2024-09-10	111	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 126+50.00 TO STA. 126+75.00
1	2024-09-10	112	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 127+00.00 TO STA. 127+25.00
1	2024-09-10	113	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 127+50.00 TO STA. 127+75.00
1	2024-09-10	114	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 128+00.00 TO STA. 128+25.00
0	2019-07-29	115	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 128+50.00 TO STA. 128+75.00
0	2019-07-29	116	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 129+00.00 TO STA. 129+25.00
1	2024-09-10	117	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 129+50.00 TO STA. 129+75.00
0	2019-07-29	118	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 130+00.00 TO STA. 130+25.00
1	2024-09-10	119	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 130+50.00 TO STA. 130+75.00
0	2019-07-29	120	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 131+00.00 TO STA. 131+25.00
0	2019-07-29	121	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 131+50.00 TO STA. 131+75.00
1	2024-09-10	122	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 132+00.00
0	2019-07-29	123	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 132+25.00 TO STA. 132+50.00
0	2019-07-29	124	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 132+75.00
0	2019-07-29	125	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 133+00.00
0	2019-07-29	126	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 133+25.00
0	2019-07-29	127	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 133+50.00 TO STA. 133+75.00
0	2019-07-29	128	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 134+00.00 TO STA. 134+25.00
0	2019-07-29	129	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 134+50.00 TO STA. 134+75.00
0	2019-07-29	130	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 135+00.00 TO STA. 135+25.00
0	2019-07-29	131	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 135+50.00 TO STA. 135+75.00
0	2019-07-29	132	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 136+00.00 TO STA. 136+25.00
0	2019-07-29	133	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 136+50.00 TO STA. 136+75.00
0	2019-07-29	134	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 137+00.00 TO STA. 137+25.00
0	2019-07-29	135	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 137+50.00 TO STA. 137+75.00
0	2019-07-29	136	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 138+00.00 TO STA. 138+25.00
1	2024-09-10	137	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 138+50.00 TO STA. 138+75.00
0	2019-07-29	138	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 139+00.00 TO STA. 139+25.00
1	2024-09-10	139	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 139+50.00 TO STA. 139+75.00
1	2024-09-10	140	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 140+00.00 TO STA. 140+25.00
1	2024-09-10	141	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 140+50.00 TO STA. 140+75.00
1	2024-09-10	142	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 141+00.00
1	2024-09-10	143	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 141+25.00
1	2024-09-10	144	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 141+50.00
1	2024-09-10	145	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 141+75.00
0	2019-07-29	146	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 142+00.00
1	2024-09-10	147	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 142+25.00
0	2019-07-29	148	CROSS SECTIONS - RAMP S-E: STA. 303+75.00
0	2019-07-29	149	CROSS SECTIONS - RAMP S-E: STA. 304+10.00 TO STA. 304+25.00
0	2019-07-29	150	CROSS SECTIONS - RAMP S-E: STA. 304+50.00 TO STA. 304+75.00
0	2019-07-29	151	CROSS SECTIONS - RAMP S-E: STA. 305+00.00 TO STA. 305+25.00
0	2019-07-29	152	CROSS SECTIONS - RAMP S-E: STA. 305+50.00 TO STA. 305+75.00
0	2019-07-29	153	CROSS SECTIONS - RAMP S-E: STA. 306+00.00 TO STA. 306+25.00
0	2019-07-29	154	CROSS SECTIONS - RAMP S-E: STA. 306+50.00 TO STA. 306+75.00
0	2019-07-29	155	CROSS SECTIONS - RAMP S-E: STA. 307+00.00 TO STA. 307+25.00
0	2019-07-29	156	CROSS SECTIONS - RAMP S-E: STA. 307+50.00 TO STA. 307+75.00
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0	2019-07-29	160	CROSS SECTIONS - RAMP S-E: STA. 309+50.00 TO STA. 309+75.00
0	2019-07-29	161	CROSS SECTIONS - RAMP S-E: STA. 310+00.00 TO STA. 310+25.00
0	2019-07-29	162	CROSS SECTIONS - RAMP S-E: STA. 310+50.00 TO STA. 310+75.00
0	2019-07-29	163	CROSS SECTIONS - RAMP S-E: STA. 311+00.00 TO STA. 311+25.00
0	2019-07-29	164	CROSS SECTIONS - RAMP S-E: STA. 311+50.00 TO STA. 311+75.00
0	2019-07-29	165	CROSS SECTIONS - RAMP S-E: STA. 311+94.81

ISSUE NO.	RECORD DATE	PAGE NO.	SHEET TITLE
0	2019-07-29	166	CROSS SECTIONS - RAMP E-N: STA. 202+50.00 TO STA. 202+75.00
0	2019-07-29	167	CROSS SECTIONS - RAMP E-N: STA. 203+00.00 TO STA. 203+25.00
0	2019-07-29	168	CROSS SECTIONS - RAMP E-N: STA. 203+50.00 TO STA. 203+75.00
0	2019-07-29	169	CROSS SECTIONS - RAMP E-N: STA. 204+00.00 TO STA. 204+25.00
1	2024-09-10	170	CROSS SECTIONS - RAMP E-N: STA. 204+50.00 TO STA. 204+75.00
0	2019-07-29	171	CROSS SECTIONS - RAMP E-N: STA. 205+00.00 TO STA. 205+25.00
0	2019-07-29	172	CROSS SECTIONS - RAMP E-N: STA. 205+50.00 TO STA. 205+75.00
0	2019-07-29	173	CROSS SECTIONS - RAMP E-N: STA. 206+00.00 TO STA. 206+25.00
0	2019-07-29	174	CROSS SECTIONS - RAMP E-N: STA. 206+50.00 TO STA. 206+75.00
0	2019-07-29	175	CROSS SECTIONS - RAMP E-N: STA. 207+00.00 TO STA. 207+09.29
1	2024-09-10	176	CROSS SECTIONS - QUADRANT RD.: STA. 100+00.00 TO STA. 100+50.00
1	2024-09-10	177	CROSS SECTIONS - QUADRANT RD.: STA. 100+75.00 TO STA. 101+25.00
1	2024-09-10	178	CROSS SECTIONS - QUADRANT RD.: STA. 101+50.00 TO STA. 102+00.00
1	2024-09-10	179	CROSS SECTIONS - QUADRANT RD.: STA. 102+25.00 TO STA. 102+50.00
1	2024-09-10	180	CROSS SECTIONS - QUADRANT RD.: STA. 102+75.00 TO STA. 103+25.00
1	2024-09-10	181	CROSS SECTIONS - QUADRANT RD.: STA. 103+50.00 TO STA. 103+75.00
1	2024-09-10	182	CROSS SECTIONS - QUADRANT RD.: STA. 104+00.00 TO STA. 104+25.00
0	2019-07-29	183	CROSS SECTIONS - QUADRANT RD.: STA. 104+50.00 TO STA. 104+75.00
1	2024-09-10	184	CROSS SECTIONS - QUADRANT RD.: STA. 105+00.00 TO STA. 105+25.00
0	2019-07-29	185	CROSS SECTIONS - QUADRANT RD.: STA. 105+50.00 TO STA. 105+75.00
1	2024-09-10	186	CROSS SECTIONS - QUADRANT RD.: STA. 106+00.00 TO STA. 106+25.00
1	2024-09-10	187	CROSS SECTIONS - QUADRANT RD.: STA. 106+50.00 TO STA. 106+75.00
1	2024-09-10	188	CROSS SECTIONS - QUADRANT RD.: STA. 107+00.00 TO STA. 107+25.00
1	2024-09-10	189	CROSS SECTIONS - QUADRANT RD.: STA. 107+50.00 TO STA. 107+75.00
0	2019-07-29	190	CROSS SECTIONS - QUADRANT RD.: STA. 108+00.00
0	2019-07-29	191	CROSS SECTIONS - E. 55TH ST.: STA. 9+00.00 TO STA. 9+25.00
1	2024-09-10	192	CROSS SECTIONS - E. 55TH ST.: STA. 9+34.00 TO STA. 9+50.00
1	2024-09-10	193	CROSS SECTIONS - E. 55TH ST.: STA. 9+75.00 TO STA. 10+00.00
1	2024-09-10	194	CROSS SECTIONS - E. 55TH ST.: STA. 10+25.00 TO STA. 10+50.00
1	2024-09-10	195	CROSS SECTIONS - E. 55TH ST.: STA. 10+75.00 TO STA. 11+00.00
1	2024-09-10	196	CROSS SECTIONS - E. 55TH ST.: STA. 11+25.00 TO STA. 11+50.00
1	2024-09-10	197	CROSS SECTIONS - E. 55TH ST.: STA. 11+75.00
1	2024-09-10	198	CROSS SECTIONS - E. 55TH ST.: STA. 12+00.00 TO STA. 12+25.00
1	2024-09-10	199	CROSS SECTIONS - E. 55TH ST.: STA. 12+50.00 TO STA. 12+75.00
1	2024-09-10	200	CROSS SECTIONS - E. 55TH ST.: STA. 13+00.00 TO STA. 14+50.00
1	2024-09-10	201	CROSS SECTIONS - E. 55TH ST.: STA. 14+75.00 TO STA. 15+00.00
1	2024-09-10	202	CROSS SECTIONS - E. 55TH ST.: STA. 15+25.00 TO STA. 15+50.00
1	2024-09-10	203	CROSS SECTIONS - E. 55TH ST.: STA. 15+75.00 TO STA. 16+00.00
1	2024-09-10	204	CROSS SECTIONS - E. 55TH ST.: STA. 16+25.00 TO STA. 16+50.00
1	2024-09-10	205	CROSS SECTIONS - E. 59TH ST.: STA. 10+30.23 TO STA. 10+50.00
0	2019-07-29	206	CROSS SECTIONS - E. 59TH ST.: STA. 10+75.00 TO STA. 11+00.00
1	2024-09-10	207	CROSS SECTIONS - E. 59TH ST.: STA. 11+25.00 TO STA. 11+50.00
0	2019-07-29	208	CROSS SECTIONS - E. 59TH ST.: STA. 11+75.00 TO STA. 12+00.00
0	2019-07-29	209	CROSS SECTIONS - E. 59TH ST.: STA. 12+25.00 TO STA. 12+50.00
0	2019-07-29	210	CROSS SECTIONS - E. 59TH ST.: STA. 12+75.00 TO STA. 13+00.00
0	2019-07-29	211	CROSS SECTIONS - E. 59TH ST.: STA. 13+25.00 TO STA. 13+50.00
1	2024-09-10	212	CROSS SECTIONS - E. 59TH ST.: STA. 13+75.00 TO STA. 14+00.00
1	2024-09-10	213	CROSS SECTIONS - E. 59TH ST.: STA. 14+25.00 TO STA. 14+50.00
0	2019-07-29	214	CROSS SECTIONS - E. 59TH ST.: STA. 14+75.00 TO STA. 15+00.00
1	2024-09-10	215	CROSS SECTIONS - SHARED-USE PATH: STA. 20+75.00 TO STA. 21+00.00
1	2024-09-10	216	CROSS SECTIONS - SHARED-USE PATH: STA. 21+25.00 TO STA. 21+50.00
1	2024-09-10	217	CROSS SECTIONS - SHARED-USE PATH: STA. 21+75.00 TO STA. 22+00.00
1	2024-09-10	218	CROSS SECTIONS - SHARED-USE PATH: STA. 22+25.00 TO STA. 22+50.00
1	2024-09-10	219	CROSS SECTIONS - SHARED-USE PATH: STA. 22+75.00 TO STA. 23+00.00
1	2024-09-10	220	CROSS SECTIONS - SHARED-USE PATH: STA. 23+25.00 TO STA. 23+50.00

1	2024-09-10	RECORD DRAWINGS
0	2019-07-29	RFC
NO.	DATE	DESCRIPTION
ISSUE RECORD		

CURVE 1	CURVE 2	CURVE RAMP E-N	CURVE RAMP S-E
P.I. STA. 114+77.87	P.I. STA. 129+43.71	P.I. STA. 205+46.65	P.I. STA. 301+49.04
$\Delta = 4^{\circ}51'10''$	$\Delta = 25^{\circ}55'38''$	$\Delta = 10^{\circ}54'00''$	$\Delta = 23^{\circ}30'41''$
$Dc = 1^{\circ}00'00''$	$Dc = 4^{\circ}00'00''$	$Dc = 1^{\circ}00'00''$	$Dc = 8^{\circ}00'00''$
$R = 5729.58'$	$R = 1432.39'$	$R = 5729.58'$	$R = 716.20'$
$T = 242.79'$	$T = 329.73'$	$T = 546.65'$	$T = 149.04'$
$L = 485.29'$	$L = 648.18'$	$L = 1090.00'$	$L = 293.89'$
$E = 5.14'$	$E = 37.46'$	$E = 26.02'$	$E = 15.34'$



CALCULATED
JTH

CHECKED
SM

0 100 200

HORIZONTAL
SCALE IN FEET

↑

N

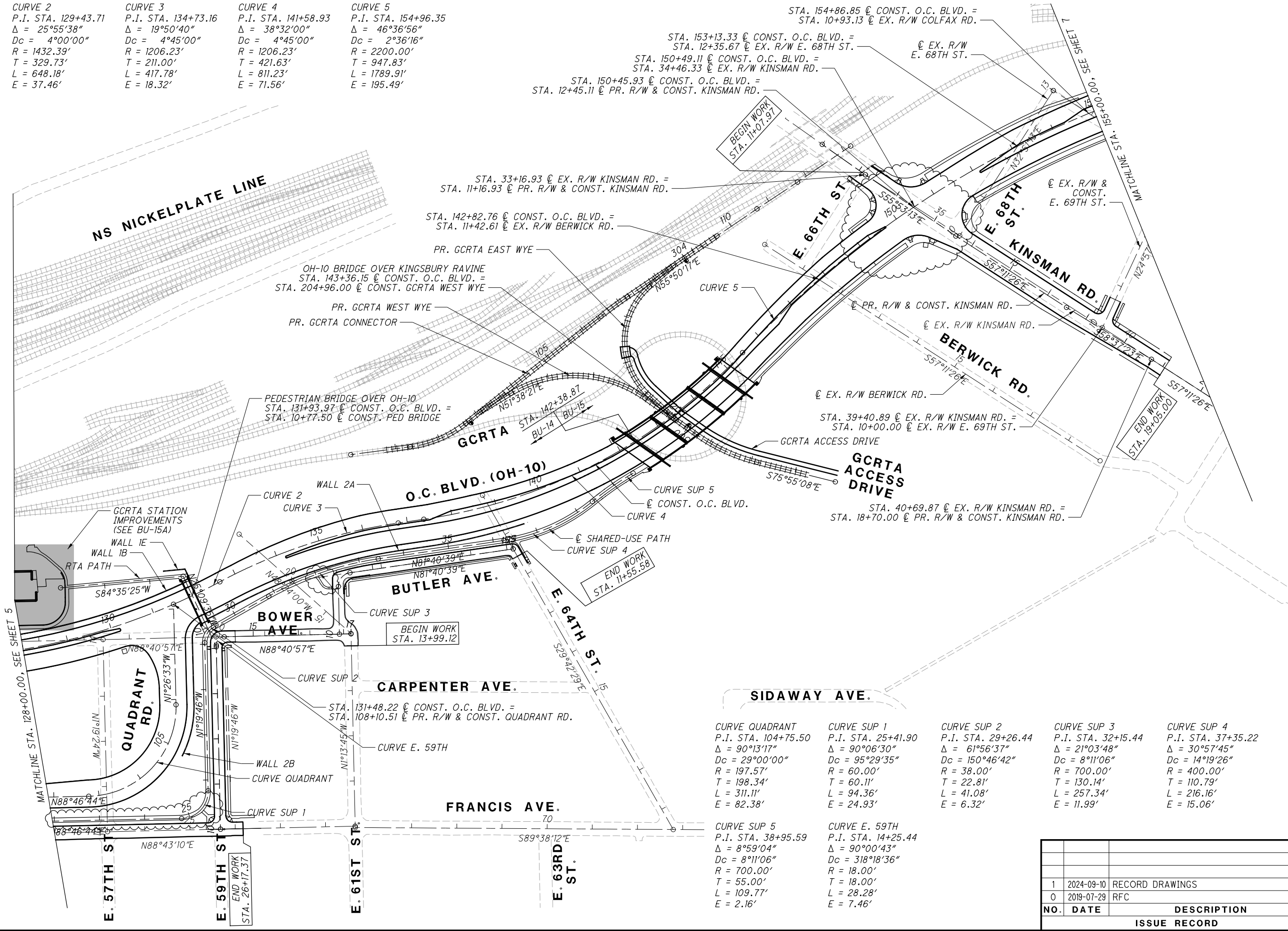
SCHEMATIC PLAN - O.C. BLVD.
BEGIN PROJECT TO STA. 128+00.00

CUY-IR490/ SR010-
2.09 / 19.28

RECORD PLANS

NO.	DATE	DESCRIPTION
1	2024-09-10	RECORD DRAWINGS
0	2019-07-29	RFC
ISSUE RECORD		

CURVE 2 P.I. STA. 129+43.71 $\Delta = 25^{\circ}55'38''$ $Dc = 4^{\circ}00'00''$ $R = 1432.39'$ $T = 329.73'$ $L = 648.18'$ $E = 37.46'$	CURVE 3 P.I. STA. 134+73.16 $\Delta = 19^{\circ}50'40''$ $Dc = 4^{\circ}45'00''$ $R = 1206.23'$ $T = 211.00'$ $L = 417.78'$ $E = 18.32'$	CURVE 4 P.I. STA. 141+58.93 $\Delta = 38^{\circ}32'00''$ $Dc = 4^{\circ}45'00''$ $R = 1206.23'$ $T = 421.63'$ $L = 811.23'$ $E = 71.56'$	CURVE 5 P.I. STA. 154+96.35 $\Delta = 46^{\circ}36'56''$ $Dc = 2^{\circ}36'16''$ $R = 2200.00'$ $T = 947.83'$ $L = 1789.91'$ $E = 195.49'$
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CURVE QUADRANT P.I. STA. 104+75.50 $\Delta = 90^{\circ}13'17''$ $Dc = 29^{\circ}00'00''$ $R = 197.57'$ $T = 198.34'$ $L = 311.11'$ $E = 82.38'$

CURVE SUP 1 P.I. STA. 25+41.90 $\Delta = 90^{\circ}06'30''$ $Dc = 95^{\circ}29'35''$ $R = 60.00'$ $T = 60.11'$ $L = 94.36'$ $E = 24.93'$

CURVE SUP 2 P.I. STA. 29+26.44 $\Delta = 61^{\circ}56'37''$ $Dc = 150^{\circ}46'42''$ $R = 38.00'$ $T = 22.81'$ $L = 41.08'$ $E = 6.32'$

CURVE SUP 3 P.I. STA. 32+15.44 $\Delta = 21^{\circ}03'48''$ $Dc = 8^{\circ}11'06''$ $R = 700.00'$ $T = 130.14'$ $L = 257.34'$ $E = 11.99'$

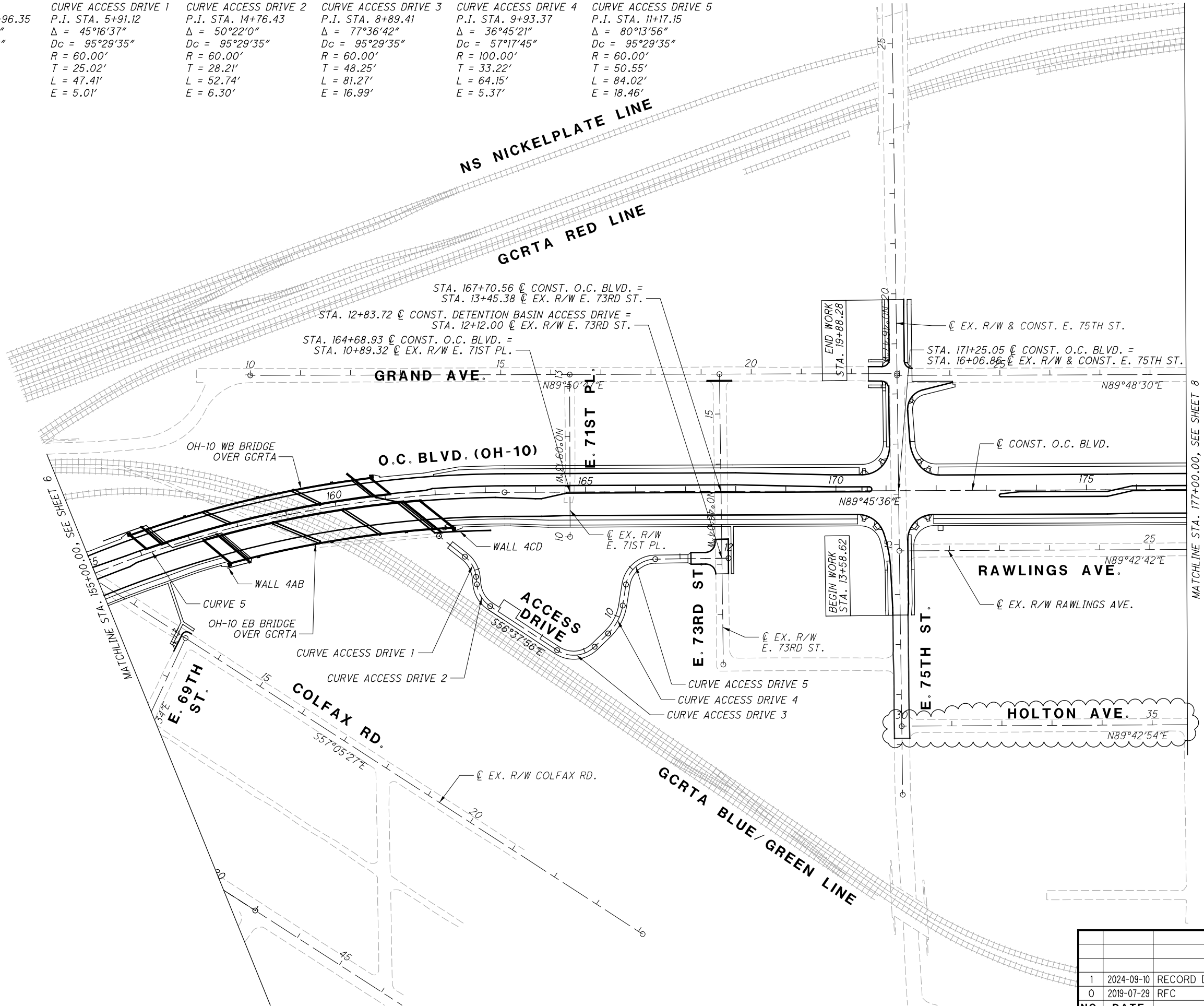
CURVE SUP 4 P.I. STA. 37+35.22 $\Delta = 30^{\circ}57'45''$ $Dc = 14^{\circ}19'26''$ $R = 400.00'$ $T = 110.79'$ $L = 216.16'$ $E = 15.06'$

CURVE SUP 5 P.I. STA. 38+95.59 $\Delta = 8^{\circ}59'04''$ $Dc = 8^{\circ}11'06''$ $R = 700.00'$ $T = 55.00'$ $L = 109.77'$ $E = 2.16'$

CURVE E. 59TH P.I. STA. 14+25.44 $\Delta = 90^{\circ}00'43''$ $Dc = 318^{\circ}18'36''$ $R = 18.00'$ $T = 18.00'$ $L = 28.28'$ $E = 7.46'$

NO.	DATE	DESCRIPTION
1	2024-09-10	RECORD DRAWINGS
0	2019-07-29	RFC
ISSUE RECORD		

CURVE 5	CURVE ACCESS DRIVE 1	CURVE ACCESS DRIVE 2	CURVE ACCESS DRIVE 3	CURVE ACCESS DRIVE 4	CURVE ACCESS DRIVE 5
P.I. STA. 154+96.35	P.I. STA. 5+91.12	P.I. STA. 14+76.43	P.I. STA. 8+89.41	P.I. STA. 9+93.37	P.I. STA. 11+17.15
$\Delta = 46^{\circ}36'56''$	$\Delta = 45^{\circ}16'37''$	$\Delta = 50^{\circ}22'0''$	$\Delta = 77^{\circ}36'42''$	$\Delta = 36^{\circ}45'21''$	$\Delta = 80^{\circ}13'56''$
$Dc = 2^{\circ}36'16''$	$Dc = 95^{\circ}29'35''$	$Dc = 95^{\circ}29'35''$	$Dc = 95^{\circ}29'35''$	$Dc = 57^{\circ}17'45''$	$Dc = 95^{\circ}29'35''$
$R = 2200.00'$	$R = 60.00'$	$R = 60.00'$	$R = 60.00'$	$R = 100.00'$	$R = 60.00'$
$T = 947.83'$	$T = 25.02'$	$T = 28.21'$	$T = 48.25'$	$T = 33.22'$	$T = 50.55'$
$L = 1789.91'$	$L = 47.41'$	$L = 52.74'$	$L = 81.27'$	$L = 64.15'$	$L = 84.02'$
$E = 195.49'$	$E = 5.01'$	$E = 6.30'$	$E = 16.99'$	$E = 5.37'$	$E = 18.46'$



NO.	DATE	DESCRIPTION
1	2024-09-10	RECORD DRAWINGS
0	2019-07-29	RFC
ISSUE RECORD		

SCHEMATIC PLAN - O.C. BLVD.
STA. 155+00.00 TO STA. 177+00.00

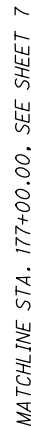
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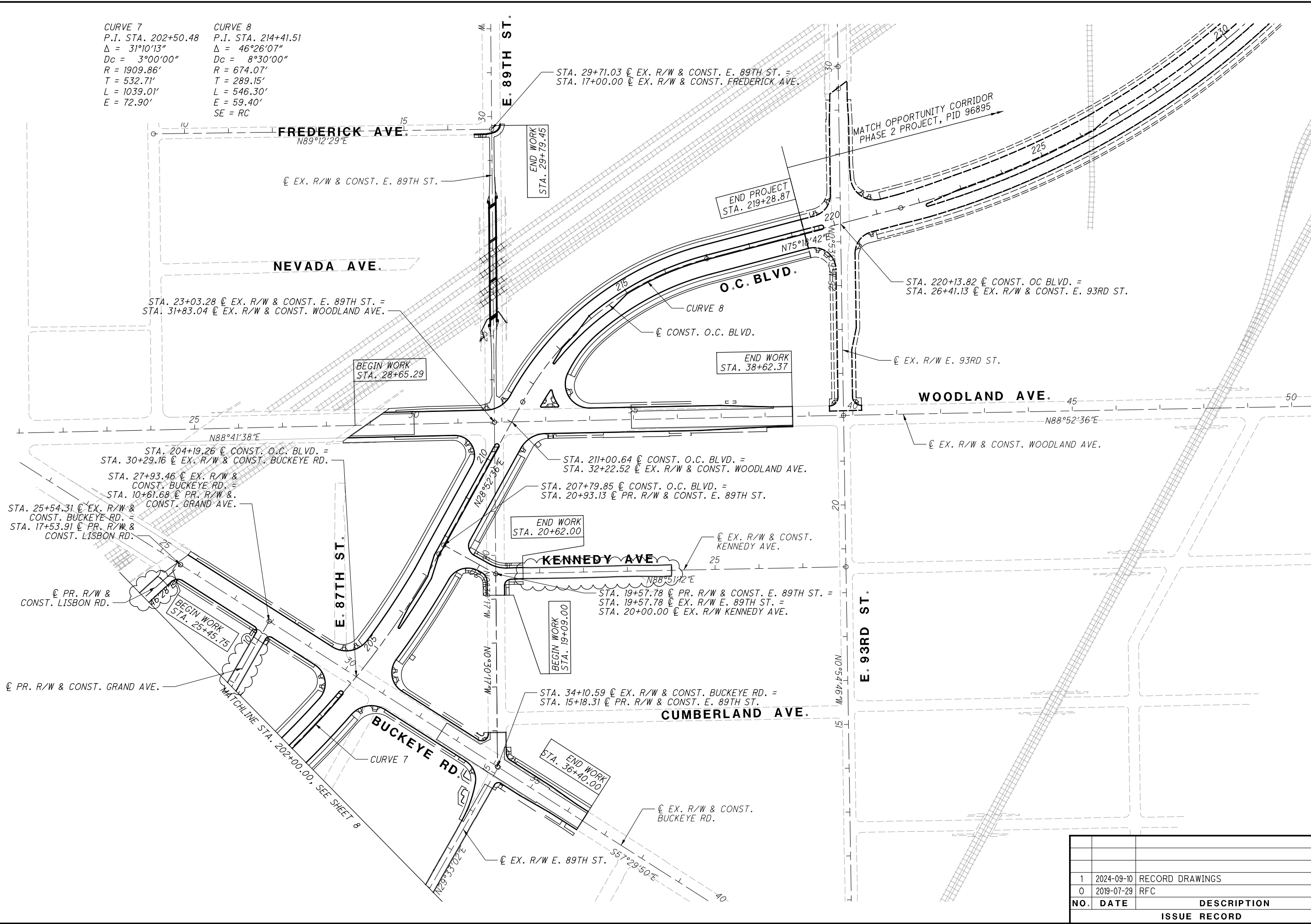
CALCULATED
JTH
CHECKED
SM

0 50 100 200
HORIZONTAL
SCALE IN FEET

RECORD PLANS

CURVE GRAND
P.I. STA. 6+00.45
 $\Delta = 90^{\circ}00'00''$
 $D_c = 229^{\circ}10'59''$
 $R = 25.00'$
 $T = 25.00'$
 $L = 39.27'$
 $E = 10.36'$


$$\frac{8}{303}$$

CURVE 7
P.I. STA. 202+50.48
 $\Delta = 31^{\circ}10'13''$
 $Dc = 3^{\circ}00'00''$
 $R = 1909.86'$
 $T = 532.71'$
 $L = 1039.01'$
 $E = 72.90'$

CURVE 8
P.I. STA. 214+41.51
 $\Delta = 46^{\circ}26'07''$
 $Dc = 8^{\circ}30'00''$
 $R = 674.07'$
 $T = 289.15'$
 $L = 546.30'$
 $E = 59.40'$
 $SE = RC$

SCHEMATIC PLAN - O.C. BLVD.
STA. 202+00.00 TO END PROJECT

CUY-IR490/ SR010-
2.09 / 19.28

9
303

RECORD PLANS

RECORD PLANS

RECORD PLANS

0 50 100 200
HORIZONTAL
SCALE IN FEET

CALCULATED JTH
CHECKED SM

1 2024-09-10 RECORD DRAWINGS
0 2019-07-29 RFC
NO. DATE DESCRIPTION
ISSUE RECORD

DESIGN DESIGNATION	I.R. 490	E 55TH ST.	QUADRANT RD.	KINSMAN RD.	E 75TH ST.	E 79TH ST.	BUCKEYE RD.	WOODLAND AVE.	E 93RD ST.
CURRENT ADT (2017)	35,820	13,140	-	16,380	-	-	10,940	7,190	-
DESIGN YEAR ADT (2020)	48,230	13,500	9,690	11,100	1,610	11,230	16,540	7,580	15,360
DESIGN HOURLY VOLUME (2020)	3,580	-	-	-	-	-	-	-	-
DIRECTIONAL DISTRIBUTION	58%	77%	63%	65%	70%	61%	63%	60%	65%
TRUCKS (24 HOUR B&C)	6%	3%	-	3%	-	-	2%	-	-
DESIGN SPEED	45 MPH	35 MPH	25 MPH	35 MPH	25 MPH	25 MPH	35 MPH	35 MPH	25 MPH
LEGAL SPEED	45 MPH	35 MPH	25 MPH	35 MPH	25 MPH	25 MPH	35 MPH	35 MPH	25 MPH
DESIGN FUNCTIONAL CLASSIFICATION	URBAN ARTERIAL	URBAN ARTERIAL	LOCAL STREET	URBAN ARTERIAL	LOCAL STREET	URBAN ARTERIAL	URBAN ARTERIAL	URBAN COLLECTOR	LOCAL STREET
NHS PROJECT	NO	NO	NO	NO	NO	NO	NO	NO	NO

EXISTING MONUMENTS

PT#	EASTING (GRID)	NORTHING (GRID)	ORTHO HT. (LEVELED)	DESCRIPTION	EASTING (PROJECT)	NORTHING (PROJECT)	ELEVATION US FT (LEVELED)	POSITIONING METHOD
MN1	670091.553	201610.963	201.818	IPIPES-FENO MONBOX	2198593.8070	661492.6165	662.13	GNSS- OPUS (AVG.)
MN2	670347.367	201643.706	195.725	IPIPES-FENO MONBOX	2199433.1417	661600.0474	642.14	GNSS- OPUS (AVG.)
MN3	671729.564	202159.447	203.619	IPIPES-FENO MONBOX	2203968.1784	663292.2117	668.04	GNSS- OPUS (AVG.)
MN4	672100.342	202173.191	206.909	IPIPES-FENO MONBOX	2205184.7140	663337.3062	678.83	GNSS- OPUS (AVG.)
MN5	672457.828	202644.572	208.467	IPIPES-FENO MONBOX	2206357.6380	664883.9237	683.95	GNSS- OPUS (AVG.)
MN6	672759.612	202649.843	209.614	IPIPES-FENO MONBOX	2207347.8019	664901.2181	687.71	GNSS- OPUS (AVG.)
MN7	673358.766	203205.275	210.47	IPIPES-FENO MONBOX	2209313.6471	666723.6099	690.52	GNSS- OPUS (AVG.)
MN8	673659.459	203217.442	215.098	IPIPES-FENO MONBOX	2210300.2313	666763.5302	705.70	GNSS- OPUS (AVG.)
MN9	673504.570	204571.426	205.805	IPIPES-FENO MONBOX	2209792.0351	671205.9991	675.21	GNSS- OPUS (AVG.)

THE COMBINED SCALE FACTOR OF 0.99993855 WAS DETERMINED FROM OPUS SOLUTION ON MONUMENT MN6
3.2810349529 PROJECT ADJUSTMENT FACTOR METRIC GRID TO USFT PROJECT

PROPOSED MONUMENTS

PT#	DESCRIPTION	INTERSECTION		NORTHING	EASTING	STATION
PM01	OC/QUADRANT	O.C. BLVD.	QUADRANT RD.	661826.3650	2201612.1910	131+48.21
PM02	OC/KINSMAN	O.C. BLVD.	KINSMAN RD.	662704.7520	2203249.8710	150+45.95
PM03	OC/E 75	O.C. BLVD.	E. 75TH ST.	663082.0580	2205254.3100	171+25.05
PM04	OC/E 79	O.C. BLVD.	E. 79TH ST.	663111.5030	2206195.2960	180+67.75
PM05	OC/BUCKEYE	O.C. BLVD.	BUCKEYE RD.	664317.1190	2208186.6440	204+19.23
PM06	OC/WOODLAND	O.C. BLVD.	WOODLAND AVE.	664897.9200	2208540.8970	211+00.64
PM07	E 55/QUADRANT	E. 55TH ST.	QUADRANT RD.	661395.7560	2201147.3800	10+79.59
PM08	OC/RAWLINGS	O.C. BLVD.	RAWLINGS AVE.	663176.6240	2206424.6910	183+06.48
PM09	PC	O.C. BLVD.	RAWLINGS AVE.	663109.3430	2206450.0230	31+34.63
PM10	PT	O.C. BLVD.	RAWLINGS AVE.	662969.2660	2206653.5660	33+97.64
PM11	OC/LISBON	O.C. BLVD.	LISBON RD.	663778.4780	2207507.0360	195+45.79
PM12	PC	O.C. BLVD.	LISBON RD.	663905.0680	2207434.0530	9+59.27
PM13	PT	O.C. BLVD.	LISBON RD.	664077.7810	2207433.7130	11+40.01
PM14	OC/EVARTS	O.C. BLVD.	EVARTS RD.	663936.6520	2207771.6790	198+54.18
PM15	OC/KENNEDY	O.C. BLVD.	KENNEDY AVE.	664616.9990	2208385.9980	207+79.85
PM16	PT	O.C. BLVD.	CURVE 1	661672.6960	2200201.5520	117+20.35
PM17	PC	O.C. BLVD.	CURVE 2	661707.5510	2201094.5160	126+13.99
PM18	PRC	O.C. BLVD.	CURVE 2	661876.1000	2201714.6540	132+62.14
PM19	PT	O.C. BLVD.	CURVE 3	662006.2590	2202109.4740	136+79.95
PM20	PC	O.C. BLVD.	CURVE 3	662014.5310	2202166.2010	137+37.27

PT#	DESCRIPTION	INTERSECTION		NORTHING	EASTING	STATION
PM21	PRC	O.C. BLVD.	CURVE 4	662383.2200	2202871.7510	145+48.54
PM22	PT	O.C. BLVD.	CURVE 5	663078.7610	2204467.7260	163+38.45
PM23	PC	O.C. BLVD.	CURVE 6	663084.8790	2205926.1850	177+96.93
PM24	PT	O.C. BLVD.	CURVE 6	663276.1860	2206635.3760	185+39.77
PM25	PC	O.C. BLVD.	CURVE 7	663864.3440	2207656.0120	197+17.74
PM26	PT	O.C. BLVD.	CURVE 7	664596.7810	2208374.9030	207+56.78
PM27	PC	O.C. BLVD.	CURVE 8	664943.2220	2208565.8700	211+52.37
PM28	PT	O.C. BLVD.	CURVE 8	665269.7530	2208985.1790	216+98.62
PM29	PC	O.C. BLVD.	QUADRANT RD.	661401.7340	2201424.4460	102+77.13
PM30	PT	O.C. BLVD.	QUADRANT RD.	661604.2100	2201617.7580	105+88.28

1	2024-09-10	RECORD DRAWINGS
0	2019-07-29	RFC
NO.	DATE	DESCRIPTION
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CURVE	CONTROL POINT	NORTHING	EASTING	STATION	BEARING
OPPORTUNITY CORRIDOR BLVD.					
	POB	661730.5305	2198482.6349	100+00.00	
	PC	661674.2259	2199716.4348	112+35.08	S87°23'14"E
1	PI	661663.1576	2199958.9722	114+77.87	
	PT	661672.6472	2200201.5765	117+20.37	N87°45'36"E
	PC	661707.5743	2201094.5007	126+13.98	N87°45'36"E
2	PI	661720.4621	2201423.9834	129+43.71	
	PRC	661876.1116	2201714.6691	132+62.16	N61°49'58"E
3	PI	661975.7149	2201900.6848	134+73.16	
	PT	662006.2567	2202109.4666	136+79.94	N81°40'39"E
	PC	662014.5599	2202166.2265	137+37.30	N81°40'39"E
4	PI	662075.5900	2202583.4100	141+58.93	
	PRC	662383.2203	2202871.7352	145+48.53	N43°08'39"E
5	PI	663074.7862	2203519.8944	154+96.35	
	PT	663078.7577	2204467.7119	163+38.44	N89°45'36"E
	PC	663084.8688	2205926.1788	177+96.92	N89°45'36"E
6	PI	663086.4608	2206306.1406	181+76.88	
	PT	663276.1738	2206635.3556	185+39.74	N60°02'49"E
	PC	663864.3490	2207656.0348	197+17.76	N60°02'49"E
7	PI	664130.3269	2208117.5941	202+50.48	
	PT	664596.8010	2208374.8523	207+56.78	N28°52'36"E
	PC	664943.1963	2208565.8877	211+52.36	N28°52'36"E
8	PI	665196.3948	2208705.5255	214+41.51	
	PT	665269.7120	2208985.2268	216+98.65	N75°18'42"E
	PC	665385.6091	2209427.3681	221+55.73	N75°18'42"E
I.R. 490					
	POB	661753.0583	2197996.8015	1030+87.46	
	PC	661679.1294	2199616.8255	1047+09.17	S87°23'14"E
IR 490 1	PI	661665.6742	2199911.9895	1050+04.64	S87°23'24"E
	PCC	661666.4330	2200207.4591	1053+00.00	N89°51'10"E
IR 490 2	PI	661666.5693	2200261.5986	1053+54.14	N89°51'20"E
	PT	661668.7512	2200315.6943	1054+08.26	N87°41'25"E
	POE	661702.1376	2201140.8545	1062+34.10	N87°40'59"E
RAMP E-N					
	PC	661820.5916	2199267.2014	200+00.00	S79°07'50"E
RAMP E-N	PI	661717.5083	2199804.0437	205+46.65	
	PT	661717.7992	2200350.6933	210+90.00	N89°58'10"E
RAMP S-E					
	PC	661454.0078	2199026.4325	300+00.00	N61°46'43"E
RAMP S-E	PI	661524.4877	2199157.7593	301+49.04	
	PT	661536.7261	2199306.3005	302+93.89	N85°17'24"E
	PI	661610.7016	2200204.1786	311+94.81	
	PI	661641.4756	2200658.3228	316+50.00	N86°07'24"E
	POE	661646.8800	2200796.4300	317+88.21	N87°45'36"E
QUADRANT RD.					
	POB	661395.8000	2201147.3800	100+00.00	
	PC	661401.7000	2201424.4800	102+77.16	N88°46'44"E
QUADRANT	PI	661405.9300	2201622.7800	104+75.50	
	PT	661604.2000	2201617.7800	105+88.27	N1°26'33"W
	POE	661826.3800	2201612.1900	108+10.51	
	OC/ QUADRANT	661826.3800	2201612.1900	131+48.51	
		661395.8000	2201147.3800	10+79.64	

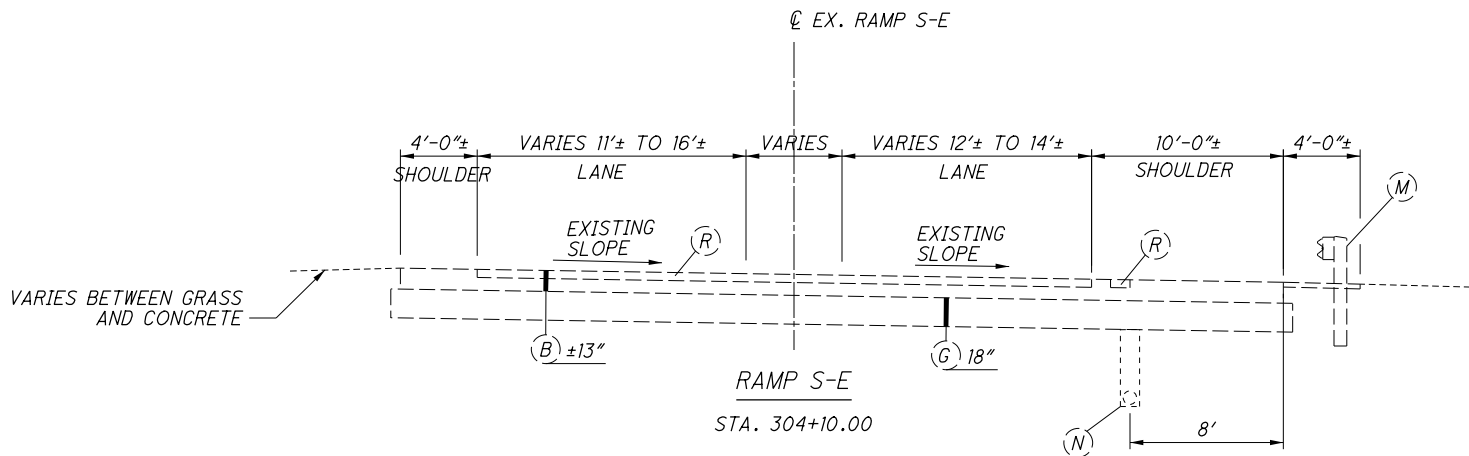
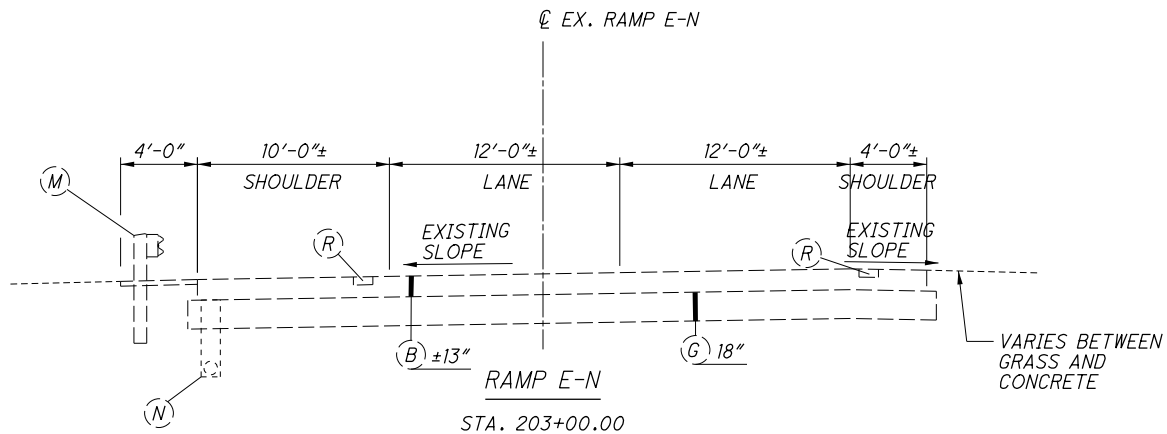
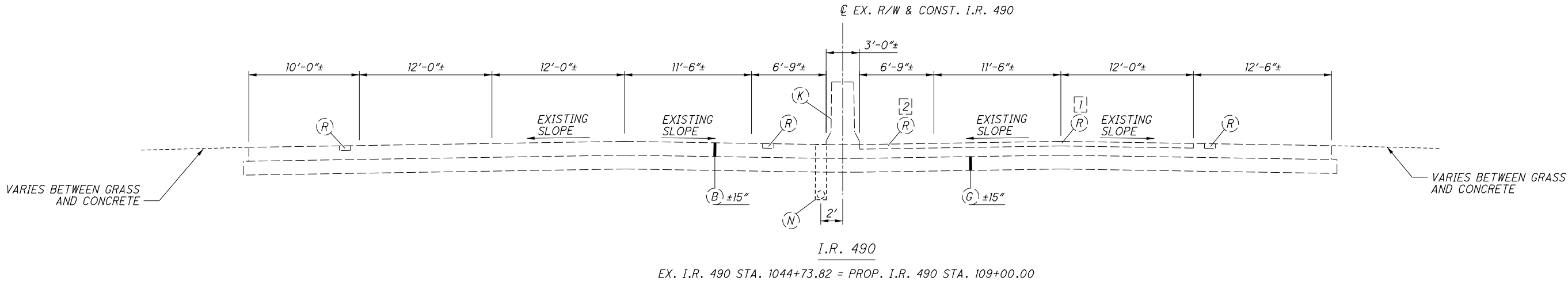
CURVE	CONTROL POINT	NORTHING	EASTING	STATION	BEARING
E. 55TH ST.					
	POB	660716.2855	2201160.2523	4+00.00	
	PI	661376.1629	2201147.8022	10+59.99	N1°04'51"W
	POE	663146.4081	2201110.0719	28+30.64	N1°13'16"W
E. 59TH ST. (PROPOSED)					
	POB	661328.8601	2201716.3035	10+00.00	
	PC	661736.1901	2201706.8507	14+07.44	N1°19'46"W
E 59TH	PI	661754.1890	2201706.4330	14+25.44	
	PT	661754.6030	2201724.4320	14+35.72	N88°40'57"E
	POE	661761.0597	2202005.1556	17+16.52	
E. 61ST ST. (PROPOSED)					
	POB	661760.4676	2201979.4124	10+00.00	
	PC	661865.8306	2201977.1518	11+05.39	N1°13'45"W
E 61ST	PI	661892.3226	2201976.5834	11+31.89	
	PT	661896.1581	2202002.8026	11+48.80	N81°40'39E
	POE	661949.0035	2202364.0506	15+13.89	
SHARED-USE PATH					
	POB	661342.3084	2201148.4410	20+00.00	
	PC	661352.5757	2201630.1167	24+81.79	N88°46'44"E
SUP 1	PI	661353.8568	2201690.2165	25+41.90	
	PT	661413.9541	2201688.8219	25+76.15	N1°19'46"W
	PC	661741.3481	2201681.2241	29+03.63	N1°19'46"W
SUP 2	PI	661764.1492	2201680.6950	29+26.44	
	PT	661775.3405	2201700.5677	29+44.71	N60°36'51"E
	PC	661844.3249	2201823.0661	30+85.30	N60°36'51"E
SUP 3	PI	661908.1819	2201936.4595	32+15.44	
	PT	661927.0187	2202065.2266	33+42.64	N81°40'39"E
	PC	661967.8076	2202344.0567	36+24.43	N81°40'39"E
SUP 4	PI	661983.8438	2202453.6793	37+35.22	
	PRC	662053.9934	2202539.4308	38+40.59	N50°42'53"E
SUP 5	PI	662088.8158	2202581.9979	38+95.59	
	POE	662116.5633	2202629.4808	39+50.36	N59°41'58"E
E. 59TH PED PATH					
	POB	661732.2605	2201706.9419	9+52.54	
	PI	661888.5759	2201633.5198	11+25.24	N25°09'35"W
	POE	661862.8938	2201362.3239	13+97.65	S84°35'25"W
BELFORD AVE.					
	POB	660446.2000	2201165.3500	30+00.00	
	POE	660465.4500	2202033.7300	38+68.60	N88°43'48"E
BOWER AVE.					
	POB	661741.1616	2201140.0228	14+25.64	
	POE	661761.0597	2202005.1556	22+91.00	N88°40'57"E
BRAGG RD.					
	POB	661376.7575	2200552.2818	20+00.00	
	PC	661546.9885	2200548.5046	21+70.27	N1°16'16"W
BRAGG 1	PI	661584.6422	2200547.6691	22+07.94	
	PT	661587.7403	2200585.2045	22+30.70	N85°16'54"E
	PC	661603.4425	2200775.4508	24+21.59	N85°16'54"E
BRAGG 2	PI	661606.9399	2200817.8260	24+64.11	
	PT	661564.4304	2200818.7320	24+86.86	S1°13'16"E
	POE	661547.8906	2200819.0845	25+03.41	S1°13'16"E

CURVE	CONTROL POINT	NORTHING	EASTING	STATION	BEARING
BUTLER AVE.					
	POB	661877.4372	2201874.8275	20+00.00	
	POE	661949.0035	2202364.0506	24+94.43	N81°40'39"E
E. 54TH ST.					
	POB	661172.0565	2200827.0949	40+00.00	
	POE	661547.8906	2200819.0845	43+75.92	N1°13'16"W
E. 59TH ST. (EXISTING)					
	POB	661328.86013	2201716.30351	10+00.00	
	POE	661754.18902	2201706.43302	14+25.44	N1°19'46"W
E. 61ST ST. (EXISTING)					
	POB	661335.5204	2202014.2855	10+00.00	
	PI	661761.7395	2202005.1410	14+26.32	N1°13'45"W
	POE	661981.5588	2201757.5526	17+57.41	N48°24'00"W
E. 64TH ST.					
	POB	662067.7405	2202296.3019	10+00.00	
	POE	661328.0560	2202718.3493	18+51.62	S29°42'29"E
FRANCIS AVE.					
	POB	661316.1787	2201148.9340	20+00.00	
	PI	661335.5204	2202014.2855	28+65.57	N88°43'10"E
MAURICE AVE.					
	POB	660670.9328	2201161.1080	40+00.00	
	POE	660690.4787	2202028.1248	48+67.24	N88°42'31"E

0	2019-07-29	RFC
NO.	DATE	DESCRIPTION
ISSUE RECORD		

- LEGEND**
- (A) EXISTING ASPHALT CONCRETE
 - (B) EXISTING CONCRETE PAVEMENT
 - (C) EXISTING GRANITE PAVING STONE
 - (D) EXISTING BRICK
 - (E) EXISTING BRICK PAVING STONE
 - (F) EXISTING SANDSTONE PAVING STONE
 - (G) EXISTING AGGREGATE BASE
 - (H) EXISTING CONCRETE BASE
 - (I) EXISTING 4" CONCRETE WALK
 - (J) EXISTING CONCRETE CURB
 - (K) EXISTING CONCRETE BARRIER
 - (L) EXISTING CONCRETE MEDIAN
 - (M) EXISTING GUARDRAIL
 - (N) EXISTING 6" UNDERDRAIN
 - (O) EXISTING PLAIN CONCRETE BASE
 - (P) EXISTING PREFABRICATED EDGE UNDERDRAIN
 - (Q) EXISTING STONE UNDERDRAINS
 - (R) RUMBLE STRIP
 - (S) EXISTING REINFORCED CONCRETE APPROACH SLAB
 - (T) EXISTING LONGITUDINAL JOINT
 - (U) DUCT BANK
 - (V) EXISTING NON-REINFORCED CONCRETE PAVEMENT
 - (W) EXISTING 4" UNDERDRAIN
 - (Y) EXISTING 12" GRANULAR MATERIAL TYPE B WITH GEOGRID

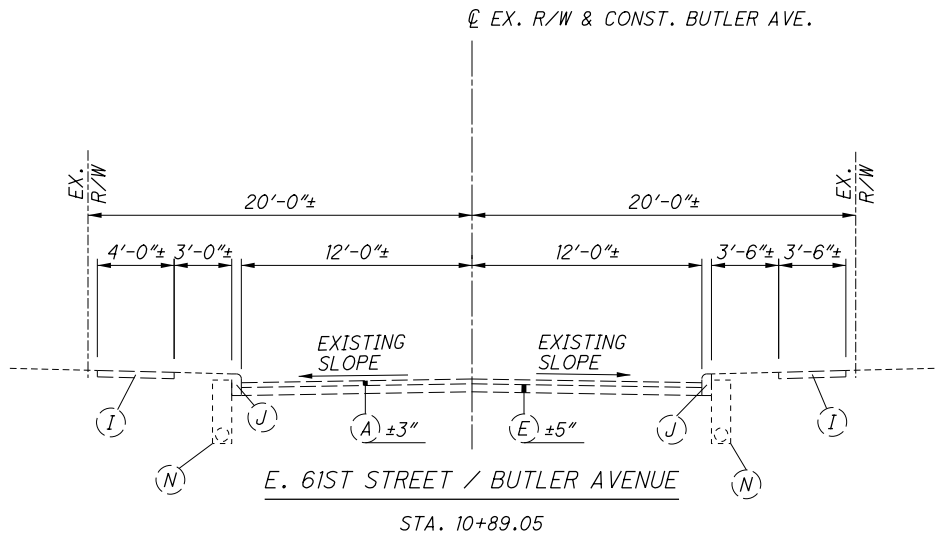
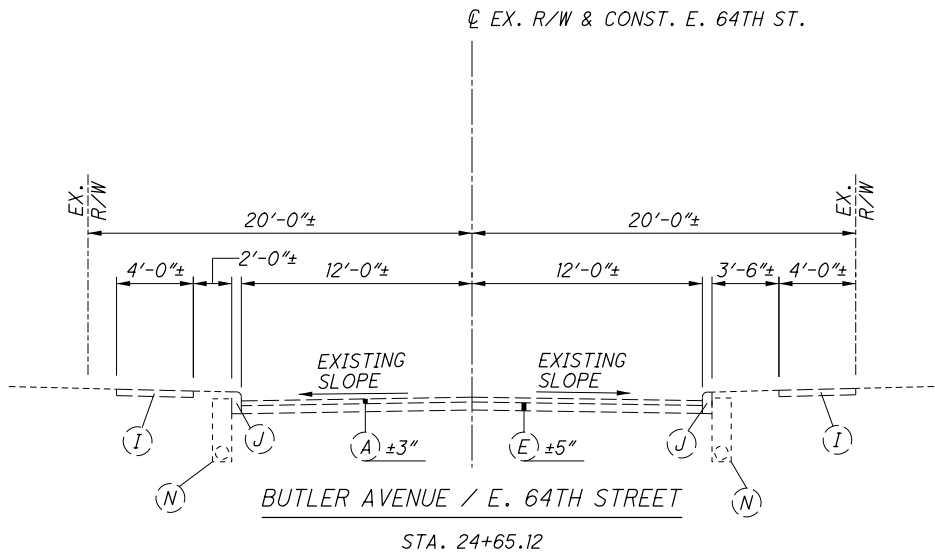
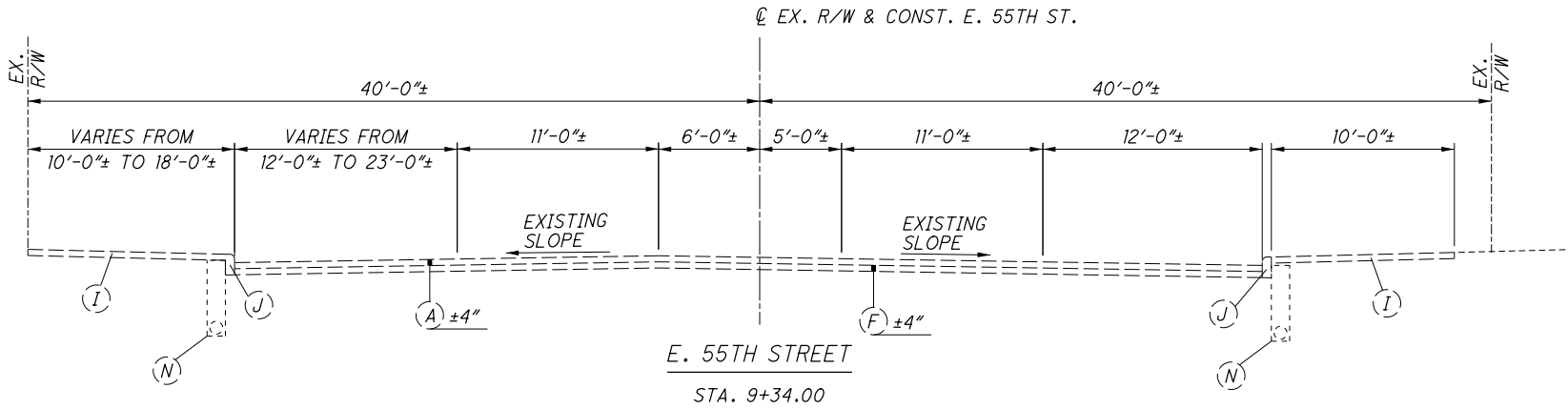
FOR PROPOSED LEGEND, SEE SHEET 15



- [1] RUMBLE STRIP PATCH 10'-0"± LONG SPACED EVERY 100'±
- [2] RUMBLE STRIP PATCH 4'-0"± SPACED EVERY 100'±. NOT CONSECUTIVE WITH RUMBLE STRIP PATCH ON LANES

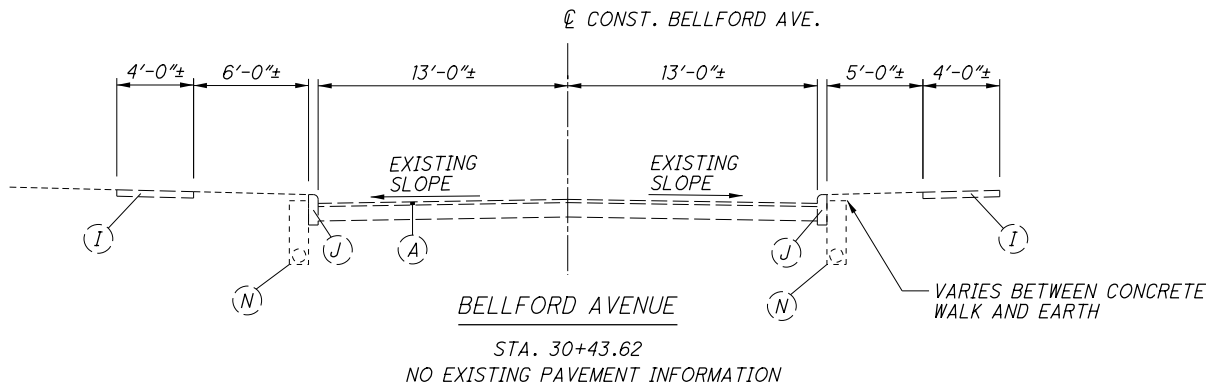
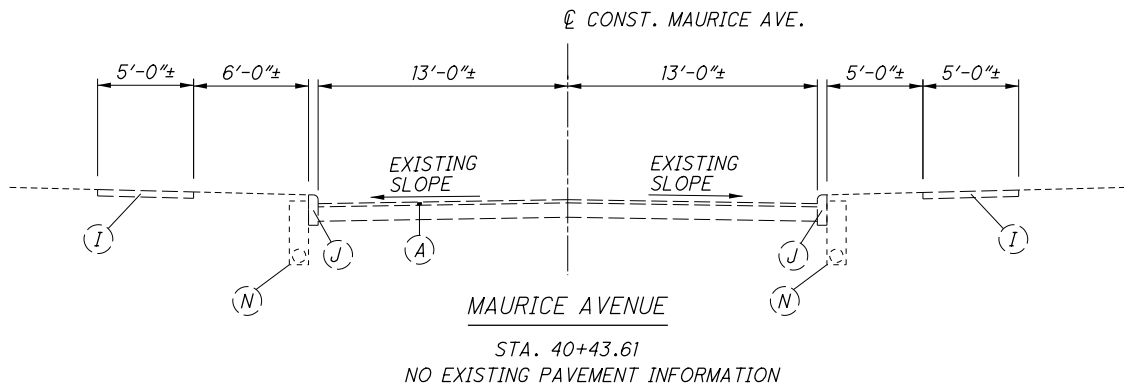
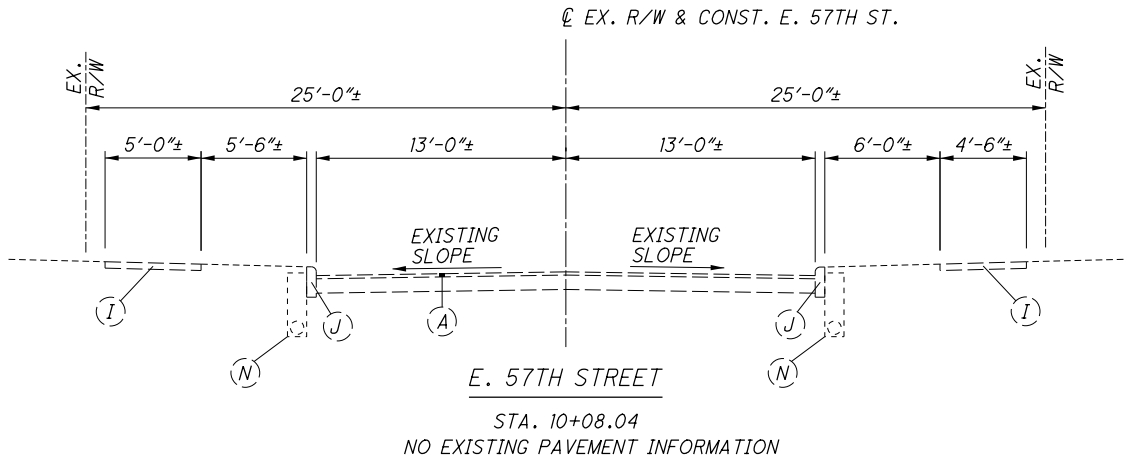
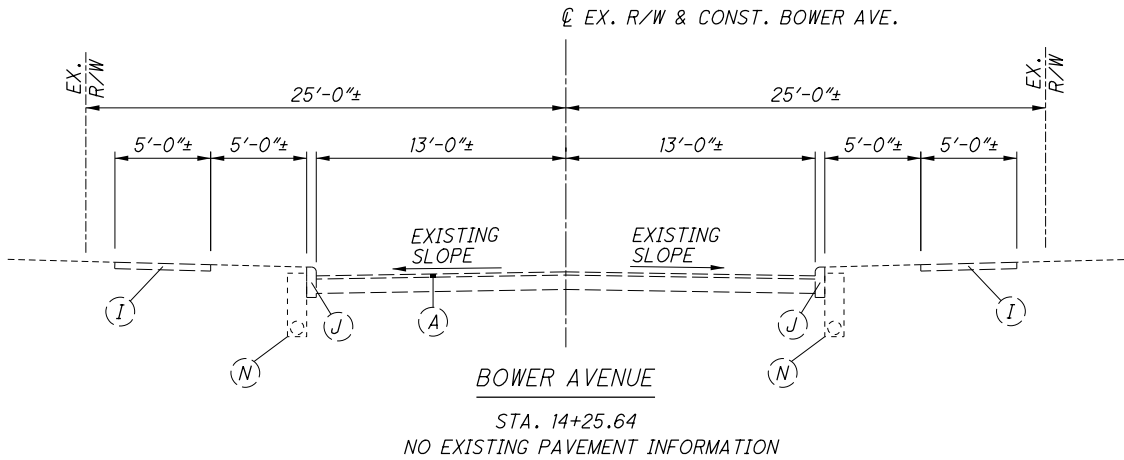
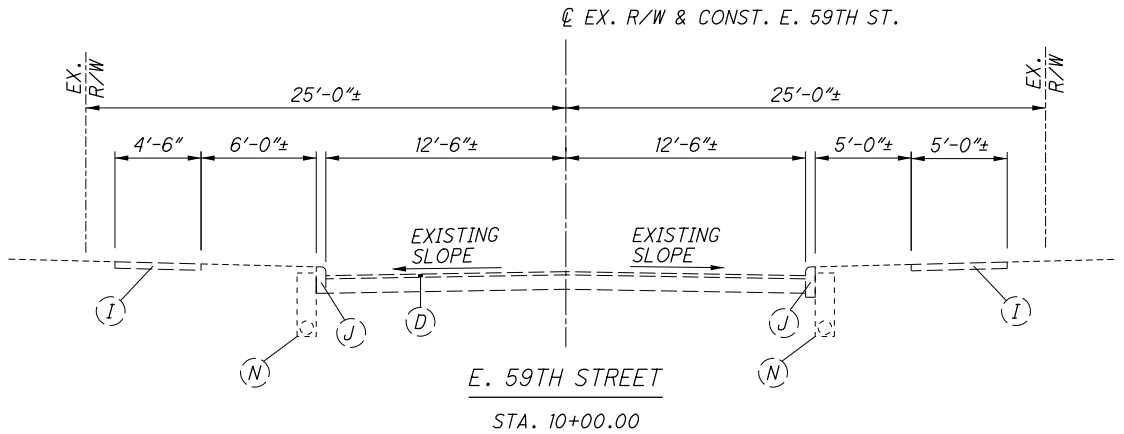
0	2019-07-29	RFC
NO.	DATE	DESCRIPTION
ISSUE RECORD		

FOR EXISTING LEGEND, SEE SHEET 12
FOR PROPOSED LEGEND, SEE SHEET 15



0	2019-07-29	RFC
NO.	DATE	DESCRIPTION
ISSUE RECORD		

FOR EXISTING LEGEND, SEE SHEET 12
FOR PROPOSED LEGEND, SEE SHEET 15



0	2019-07-29	RFC
NO.	DATE	DESCRIPTION
ISSUE RECORD		

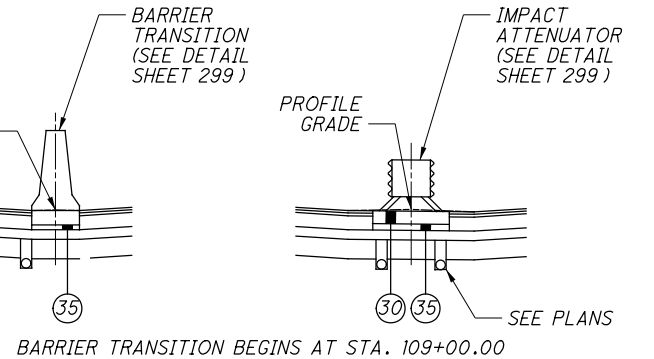
FOR EXISTING LEGEND, SEE SHEET 12
FOR PLAN VIEW, SEE SHEETS 27 TO 63
FOR SUBGRADE TREATMENT INFORMATION, SEE SHEET 22

- (L) LONGITUDINAL JOINT

#DEPTH OF EXCAVATION AND THICKNESS OF REPLACEMENT MATERIAL MAY VARY AS DIRECTED BY THE ENGINEER BASED ON SUBGRADE CONDITIONS.

WHERE THE TYPICAL SECTIONS INDICATE "VARIES", SEE PLAN SHEETS.

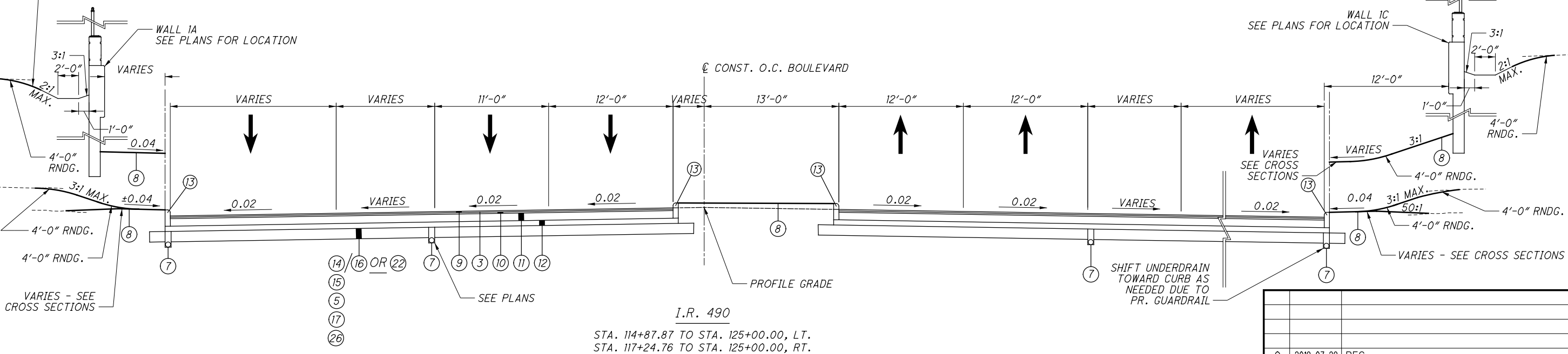
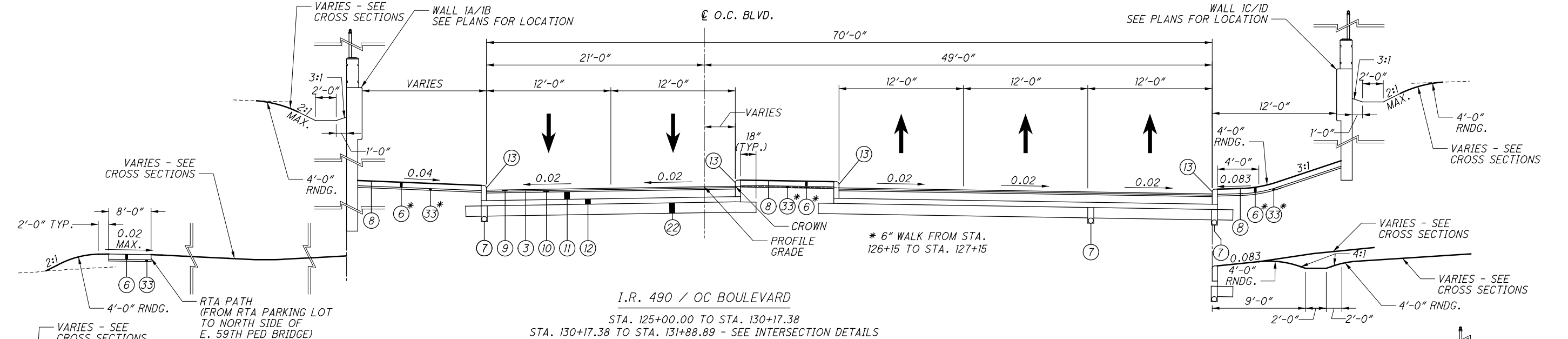
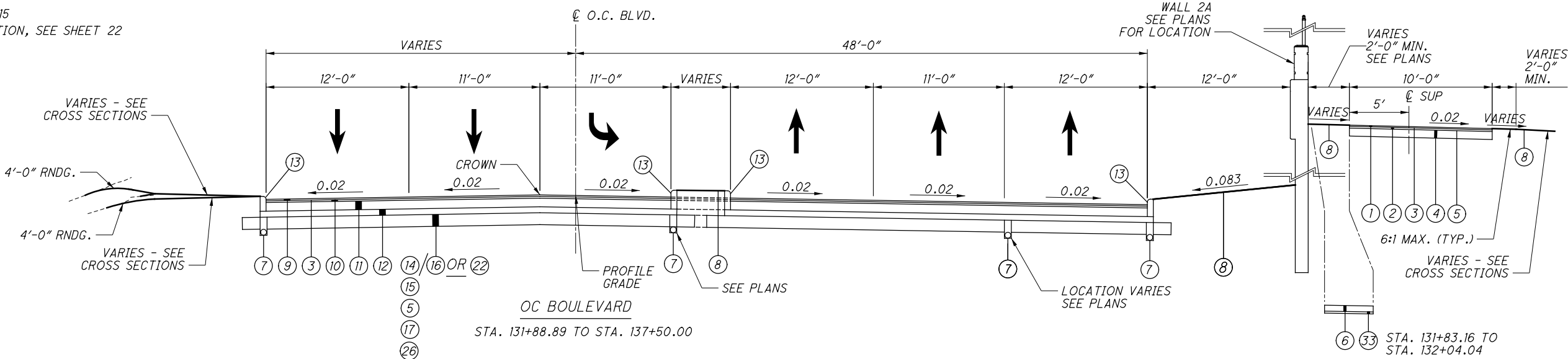
BU-15 BEGINS AT STATION 142+38.87
BRIDGE LIMITS EXTEND FROM 142+38.87 TO STA. 144+78.03



0	2019-07-29	RFC
NO.	DATE	DESCRIPTION
ISSUE RECORD		

FOR EXISTING LEGEND, SEE SHEET 12
FOR PROPOSED LEGEND, SEE SHEET 15
FOR SUBGRADE TREATMENT INFORMATION, SEE SHEET 22

BU-14 - ROADWAY & PAVEMENT BEGIN PROJECT TO KINGSBURY RUN
...\\Sheets\\BU-14\\96833_GY101.dgn 8/26/2019 1:43:05 PM joseph.hogan



ISSUE RECORD		
NO.	DATE	DESCRIPTION
0	2019-07-29	RFC

PROPOSED TYPICAL SECTIONS

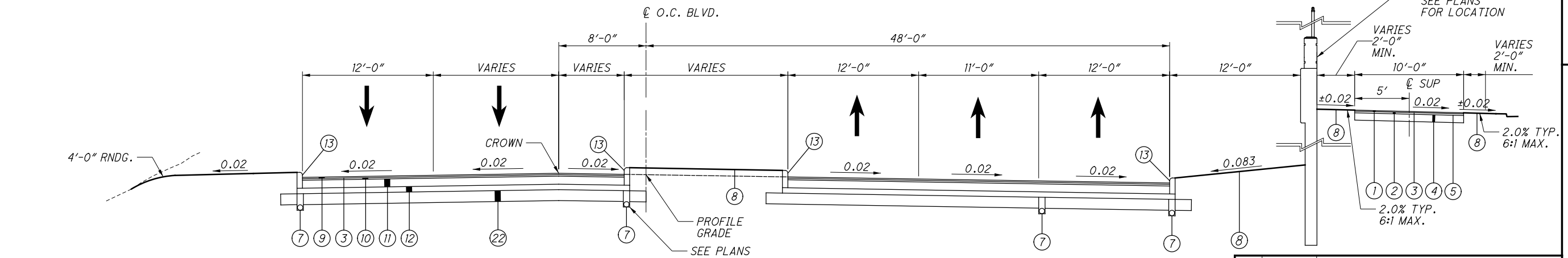
CUY-IR490/ SR010-
2.09 / 19.28

RECORD PLANS

RECORD PLANS

RECORD PLANS

BU-14 - ROADWAY & PAVEMENT BEGIN PROJECT TO KINGSBURY RUN
 \Sheets\BU-14\96833_GY101.dgn 8/26/2019 1:43:15 PM joseph.hogan

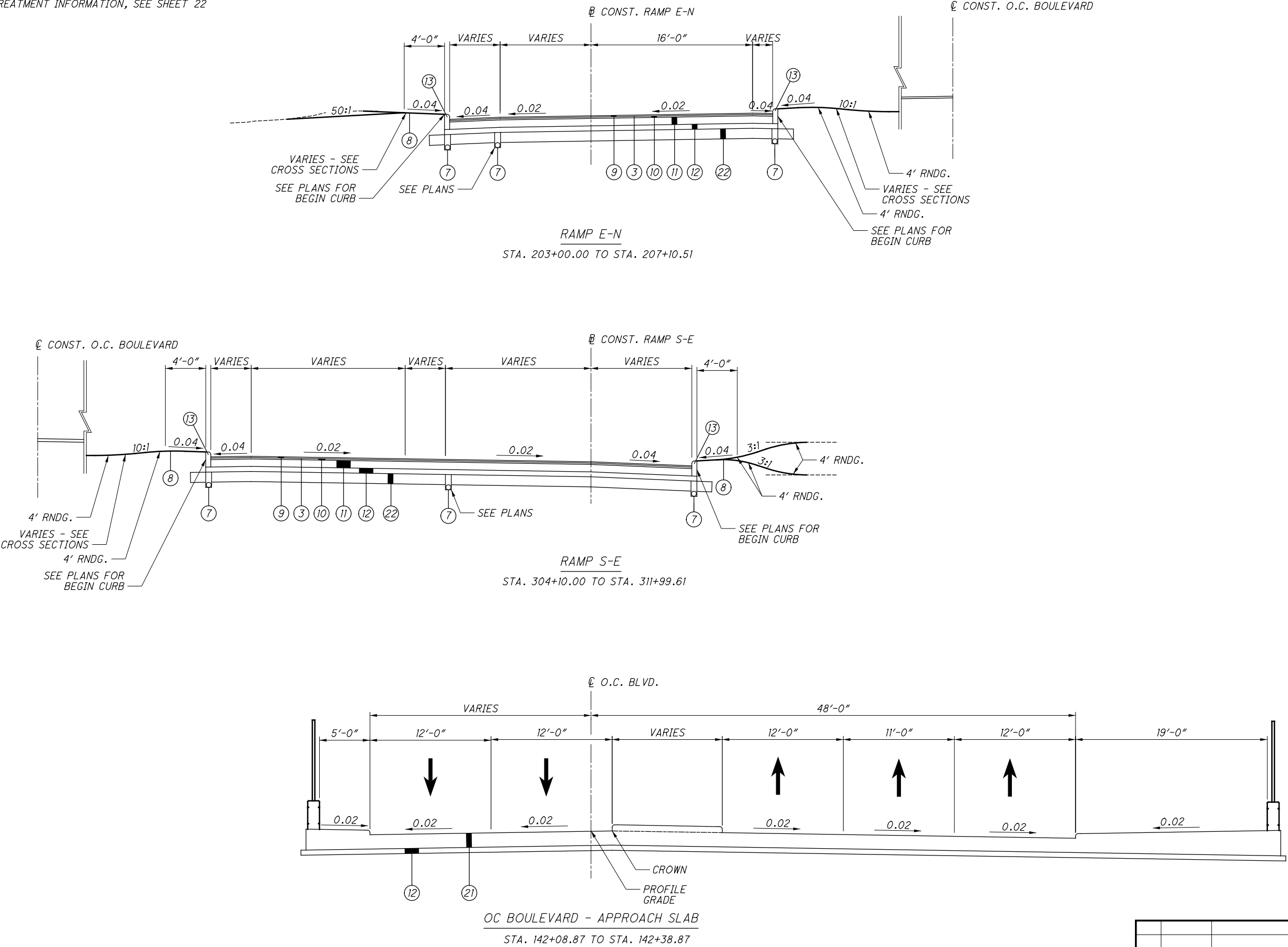


* SHARED USE PATH ROTATION TRANSITION

STA. 36+00.00 - 2.0% SLOPING DOWN TO THE RIGHT
STA. 36+20.00 - 0.0%
STA. 36+40.00 - 2.0% SLOPING DOWN TO THE LEFT

0	2019-07-29	RFC
NO.	DATE	DESCRIPTION
ISSUE RECORD		

FOR EXISTING LEGEND, SEE SHEET 12
FOR PROPOSED LEGEND, SEE SHEET 15
FOR SUBGRADE TREATMENT INFORMATION, SEE SHEET 22

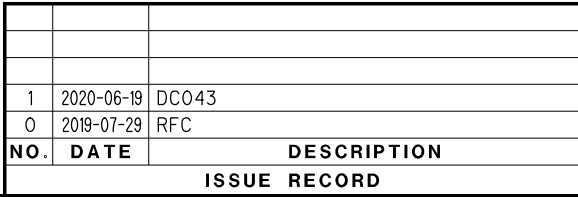


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NO.	DATE	DESCRIPTION
ISSUE RECORD		

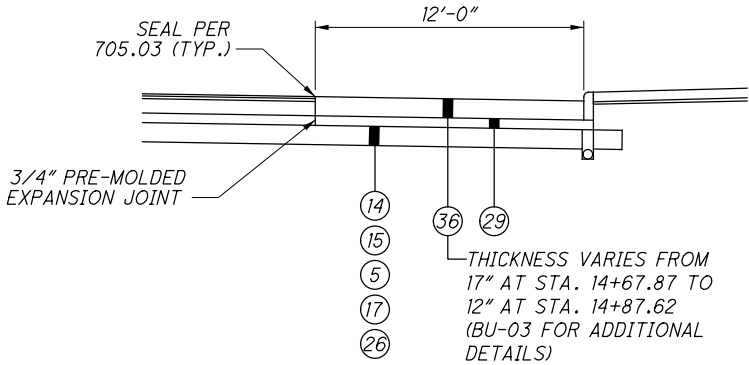
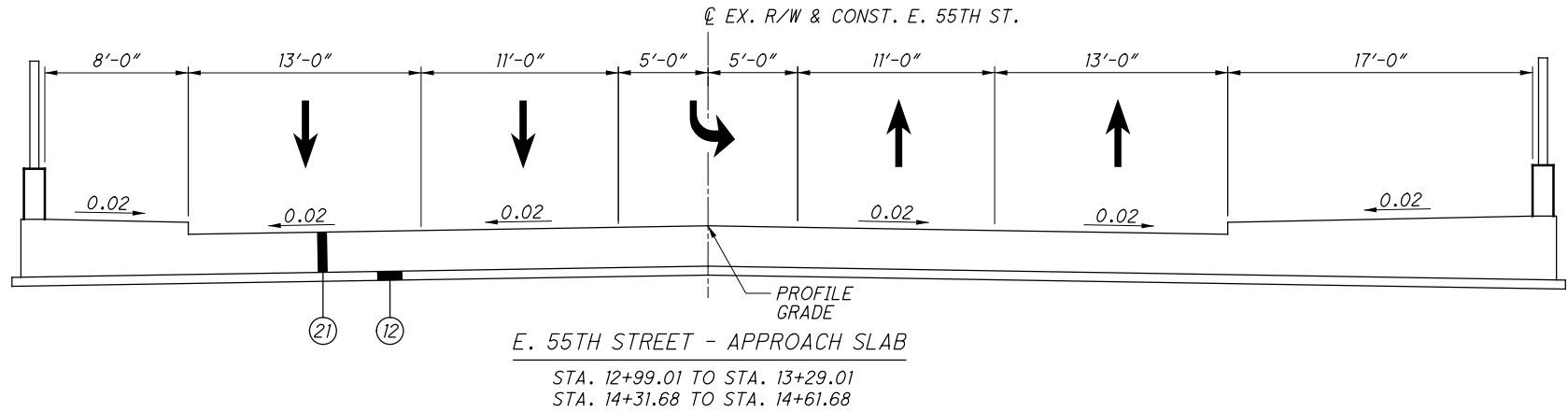
PROPOSED TYPICAL SECTIONS

CUY-IR490/ SR010-
2.09 / 19.28

BU-14 - ROADWAY & PAVEMENT BEGIN PROJECT TO KINGSBURY RUN
 \Sheets\BU-14\96833_GY101.dgn 6/18/2020 12:08:39 PM Gregory.Hertler



FOR EXISTING LEGEND, SEE SHEET 12
FOR PROPOSED LEGEND, SEE SHEET 15
FOR SUBGRADE TREATMENT INFORMATION, SEE SHEET 22

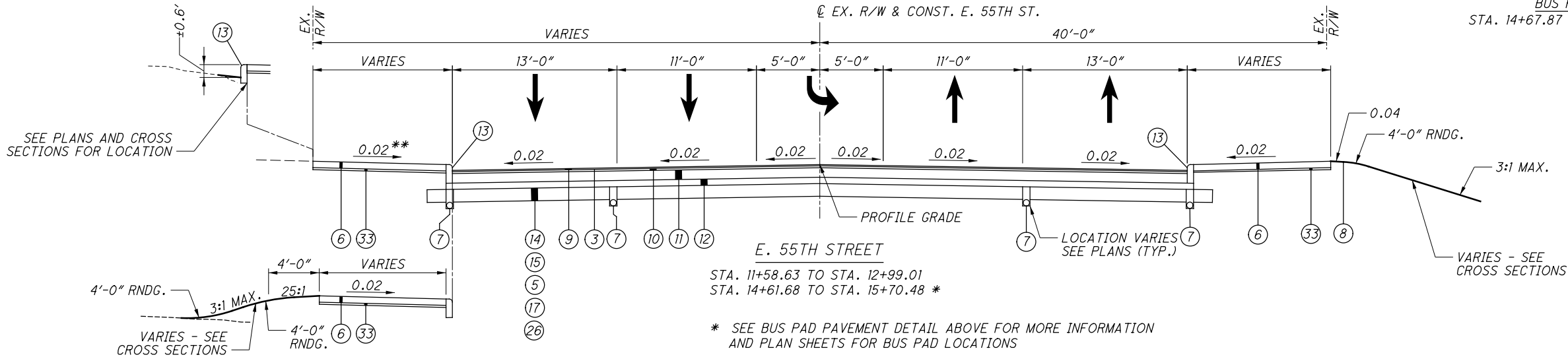


BUS LANE/PAD DETAIL (TRANSVERSE VIEW)

BUS PAD PAVEMENT DETAIL
STA. 14+67.87 TO STA. 15+76.00 (E. 55TH ST.)

** SIDEWALK ROTATION TRANSITION

STA. 11+92.17 - 0.5% SLOPING DOWN TO THE RIGHT
STA. 12+07.17 - 2.0% SLOPING DOWN TO THE RIGHT

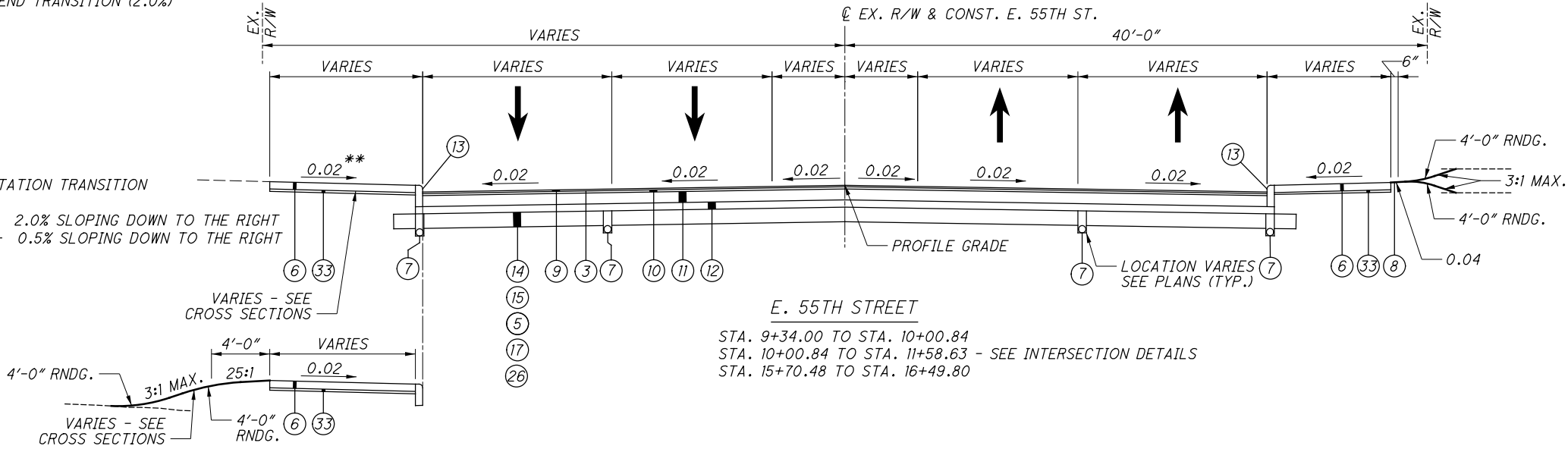


** - SIDEWALK CROSS SLOPE

STA. 10+10.00 - BEGIN TRANSITION (2.0%)
STA. 10+25.00 - END TRANSITION (0.5%)
STA. 10+25.00 TO STA. 11+92.17 (0.5%)
STA. 11+92.17 - BEGIN TRANSITION (0.5%)
STA. 12+07.17 - END TRANSITION (2.0%)

** SIDEWALK ROTATION TRANSITION

STA. 10+10.00 - 2.0% SLOPING DOWN TO THE RIGHT
STA. 10+25.00 - 0.5% SLOPING DOWN TO THE RIGHT



NO.	DATE	DESCRIPTION
2	2020-06-19	DC043
1	2020-05-20	DC039
0	2019-07-29	RFC
ISSUE RECORD		

PROPOSED TYPICAL SECTIONS

CUY-IR490/ SR010-
2.09 / 19.28

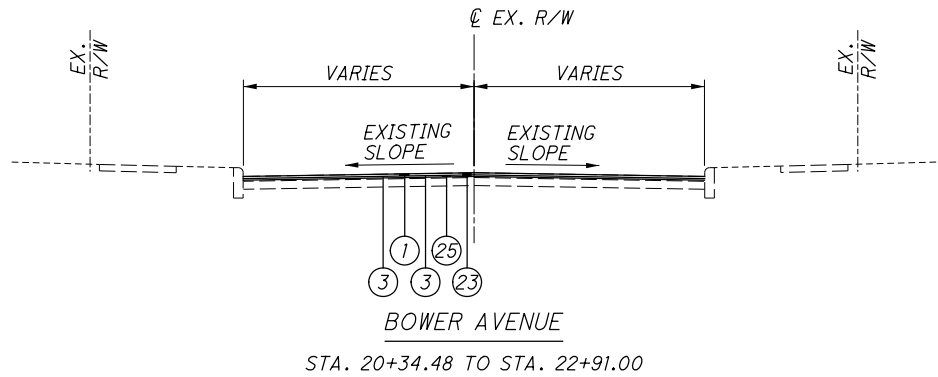
20
303

RECORD PLANS

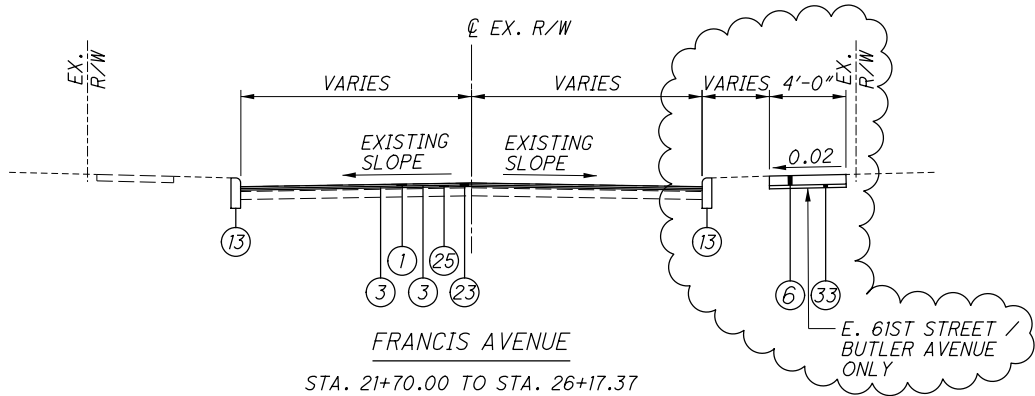
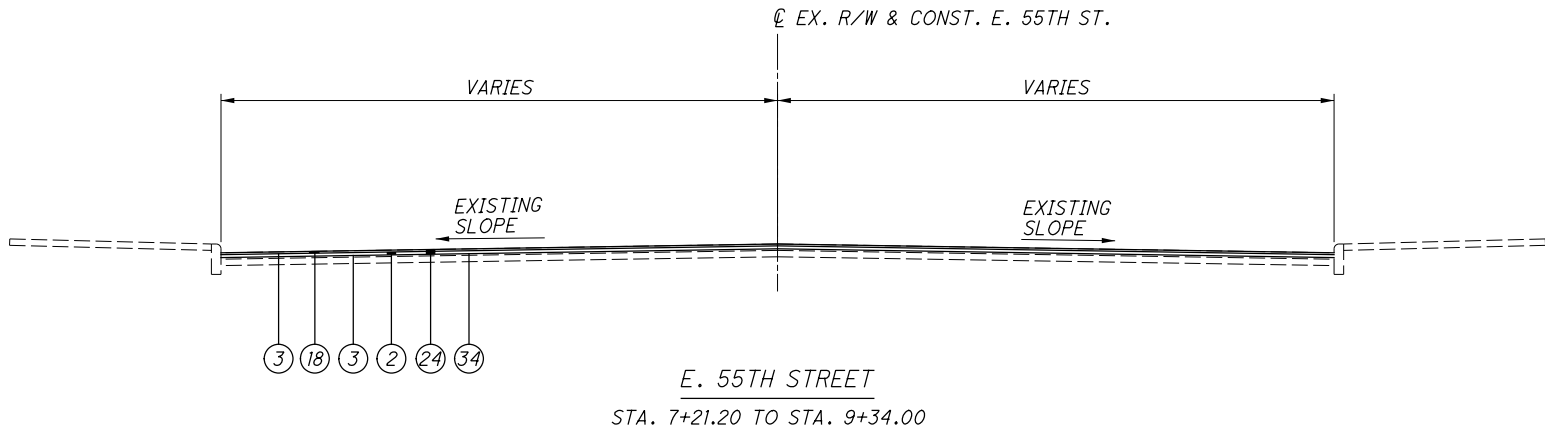
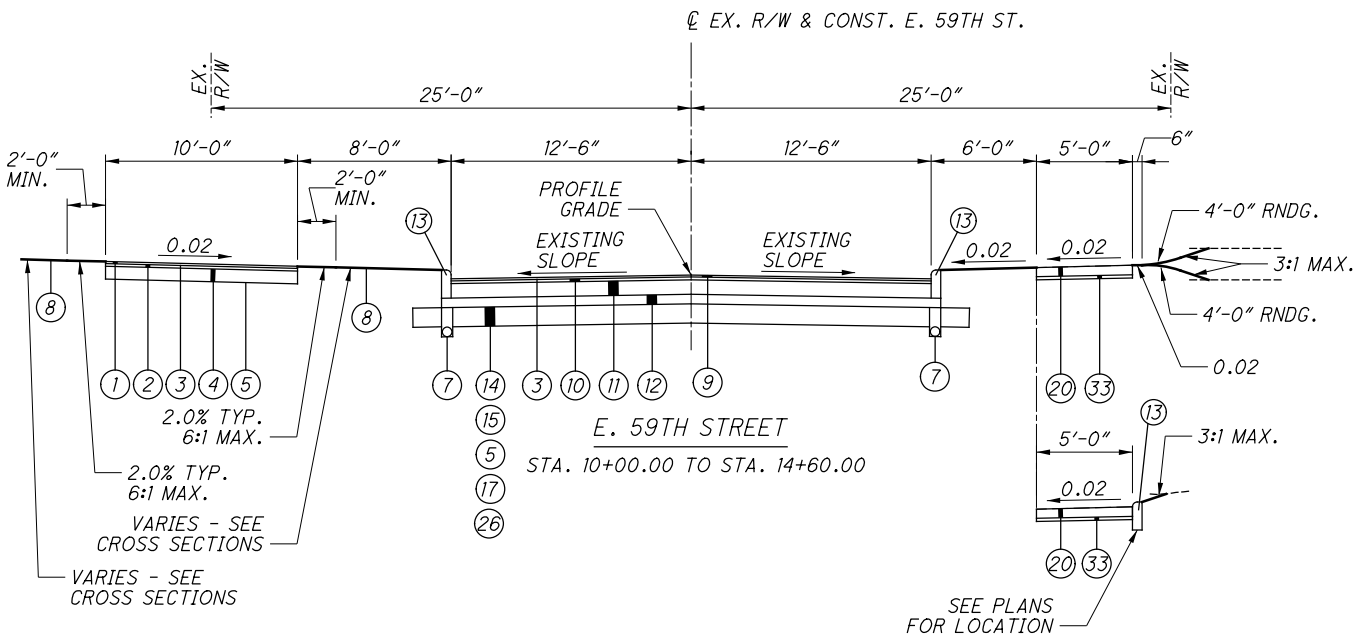
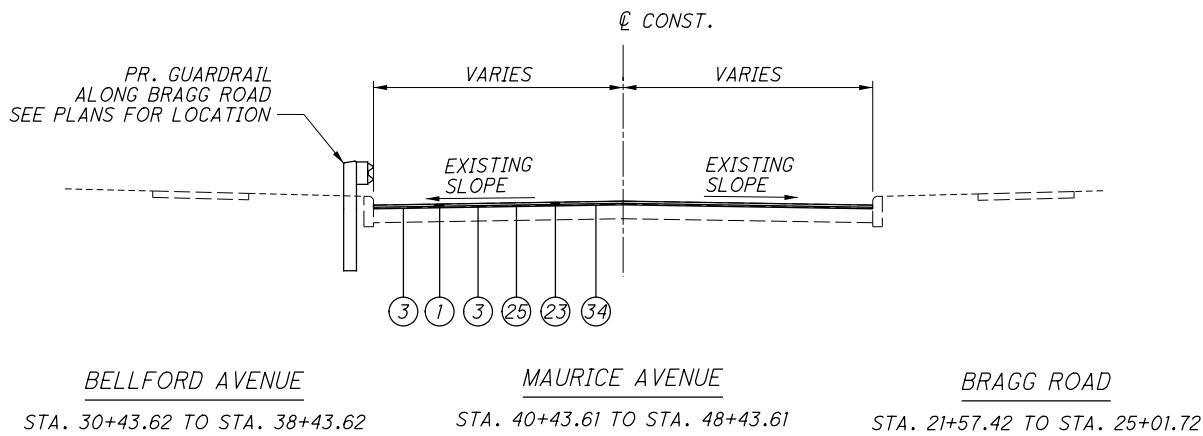
RECORD PLANS

RECORD PLANS

FOR EXISTING LEGEND, SEE SHEET 12
FOR PROPOSED LEGEND, SEE SHEET 15
FOR SUBGRADE TREATMENT INFORMATION, SEE SHEET 22

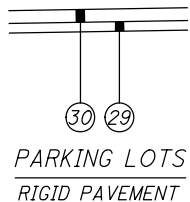
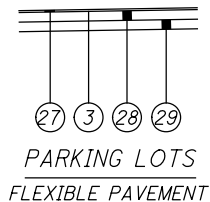
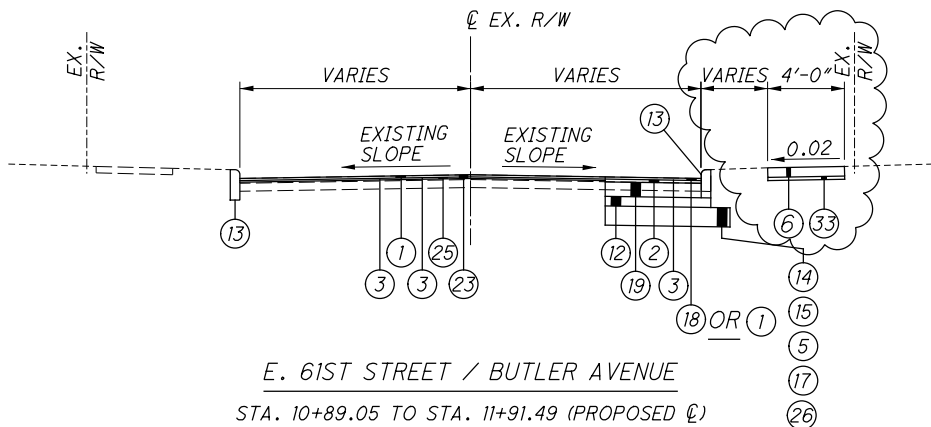


E. 61ST STREET / BUTLER AVENUE
STA. 13+99.12 TO STA. 14+25.64 (EXISTING \varnothing)
STA. 10+00.00 TO STA. 11+91.49 (PROPOSED \varnothing)



E. 61ST STREET / BUTLER AVENUE
STA. 11+91.49 TO STA. 15+13.89 (PROPOSED \varnothing)

E. 64TH STREET
STA. 11+23.64 TO STA. 11+55.58



NO.	DATE	DESCRIPTION
2	2024-09-10	RECORD DRAWINGS
1	2020-06-19	DC043
0	2019-07-29	RFC
ISSUE RECORD		

PROPOSED TYPICAL SECTIONS

CUY-IR490/ SR010-
2.09 / 19.28

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RECORD PLANS

RECORD PLANS

RECORD PLANS

BU-14 - ROADWAY & PAVEMENT. BEGIN PROJECT TO KINGSBURY RUN

9/26/2024 4:41:33 PM Rohit.Bk

	SUBGRADE TREATMENT					
	FROM	TO	A	B	C	BRIDGE / INTERSECTING STREET**
O.C. BLVD.	109+00.00	124+00.00			12"	
	124+00.00	136+42.20		36"		
	136+42.00	142+39.00			12"	
	142+39.00	145+08.03				CUY-10-1949
	145+08.03	149+50.00			12"	
	149+50.00	151+50.00	12"			KINSMAN RD.
	151+50.00 LT	156+15.00 LT			12"	
	151+50.00 RT	157+27.00 RT	12"			
	156+15.00 LT	160+80.00 LT				CUY-10-1976L
	157+27.00 RT	161+60.00 RT				CUY-10-1976L
	160+80.00 LT	162+47.00 LT	12"			
	161+60.00 RT	162+75.00 RT	12"			
	162+47.00 LT	170+83.00 LT			12"	
	162+75.00 RT	170+80.00 RT			12"	
	170+80.00	171+90.00	12"			E. 75TH ST.
	171+90.00	180+00.00			14"	
	180+00.00	181+50.00	12"			E. 79TH ST.
	181+50.00	188+50.00			14"	
	188+50.00 LT	189+00.00 LT	12"			
	188+50.00 RT	190+50.00 RT	12"			
	189+00.00 LT	189+60.00 LT		36"		
	189+25.00	193+40.00		24"		
	189+60.00 LT	193+75.00 LT	12"			
	190+50.00 RT	191+02.00 RT		36"		
	191+02.00 RT	192+80.00 RT	12"			
	193+75.00 LT	196+11.00 LT			14"	
	192+80.00 RT	196+11.00 RT			14"	
	196+11.00	196+61.00	12"			
	196+61.00	203+50.00			14"	
	203+50.00	205+00.00	12"			BUCKEYE RD.
	205+00.00	210+00.00			12"	
	210+00.00	212+15.00	12"			WOODLAND AVE.
	212+15.00	218+00.00			12"	
	218+00.00	219+28.87		18"	12"	
E. 55TH ST.	9+34.00	10+00.00	12"			
	10+00.00	11+60.00	12"			QUADRANT RD.
	11+60.00	13+00.00	12"			
	13+00.00	14+60.00				CUY-490-0243
QUADRANT RD	14+60.00	16+49.80	12"			
	100+79.00	101+00.00			12"	
	101+00.00	101+85.00		36"	12"	
	101+85.00	104+12.00			12"	
KINSMAN RD.	104+12.00	107+50.00		36"		
	107+50.00	108+10.51		36"		O.C. BLVD.
	11+30.00	13+90.00	12"			O.C. BLVD.
	13+90.00	19+05.00	12"			

	SUBGRADE TREATMENT					
	FROM	TO	A	B	C	BRIDGE / INTERSECTING STREET**
E. 75TH ST.	13+58.62	15+10.00	12"			
	15+10.00	17+00.00	12"			O.C. BLVD.
	17+00.00	18+69.90	12"			
E. 79TH ST.	15+29.73	18+20.00	12"			
	18+20.00	19+80.00	12"			O.C. BLVD.
	19+80.00	21+71.18	12"			
BUCKEYE RD.	25+45.75	29+35.00	12"			
	29+35.00	31+35.00	12"			O.C. BLVD.
	31+35.00	33+00.00	12"			
	33+00.00	36+00.00	12"			
	36+00.00	36+40.00	12"			
WOODLAND AVE.	28+48.30	30+90.00	12"			
	30+90.00	34+00.00	12"			O.C. BLVD.
	34+00.00	38+62.37	12"			
E. 59TH ST.	10+00.00	14+20.00	12"			
RAWLINGS AVE.	31+69.56	33+97.64			14"	
LISBON RD.	8+95.16	9+30.16			14"	
	9+30.16	9+93.16	12"			
	9+93.16	10+94.16			14"	
GRAND AVE.	10+94.16	11+60.00	12"			
	3+11.14	6+24.26			14"	
	21+25.00	23+35.39			14"	
	E. 89TH ST.	19+09.00	19+57.78	12"		
	KENNEDY AVE.	20+00.00	20+62.00	12"		

NOTES

SUBGRADE STABILIZATION SHALL EXTEND 18" BEYOND THE BACK OF PROPOSED CURB OR EDGE OF PAVEMENT REGARDLESS IF CEMENT STABILIZATION OR EXCAVATION AND REPLACEMENT.

OC BOULEVARD PAVEMENT BUILD-UP SHALL EXTEND TO THE BACK OF CURB RETURN ON INTERSECTING ROADWAYS.

ITEM 206 - CEMENT STABILIZED SUBGRADE

CHEMICAL STABILIZATION USING CEMENT CAN BE USED EXCEPT AT CROSS STREETS WHERE EXISTING UTILITY CONFLICTS EXIST.

APPLICATION RATE TO BE DETERMINED DURING CONSTRUCTION BASED ON THE RESULTS OF SUPPLEMENT 1120 TESTING.

ITEM 204 - EXCAVATION OF SUBGRADE, AS PER PLAN

EXCAVATE AND REPLACE UNSUITABLE SUBGRADE BEFORE PROOF ROLLING THE SUBGRADE. REPLACE WITH 204 EMBANKMENT. WHERE THE PROJECT BORINGS ENCOUNTERED UNSUITABLE SUBGRADE, THE EXCAVATION LIMITS ARE SHOWN IN THE CROSS SECTIONS AND LABELED IN THE TABLE AT LEFT.

BASED ON THE SUBSURFACE CONDITIONS, IT IS ANTICIPATED THAT UNSUITABLE SUBGRADE MAY ALSO BE ENCOUNTERED WITHIN THE FOLLOWING AREAS:

- BUCKEYE RD. EAST OF OH-10 (SHALE)
- O.C. BLVD. STA. 123+00 TO STA. 140+50 (A-4B SILT)
- O.C. BLVD. STA. 216+00 TO STA. 219+29 (SHALE)
- QUADRANT RD. (A-4B SILT)

* DEPTH OF EXCAVATION AND THICKNESS OF REPLACEMENT MATERIAL MAY VARY AS DIRECTED BY THE ENGINEER BASED ON SUBGRADE CONDITIONS.

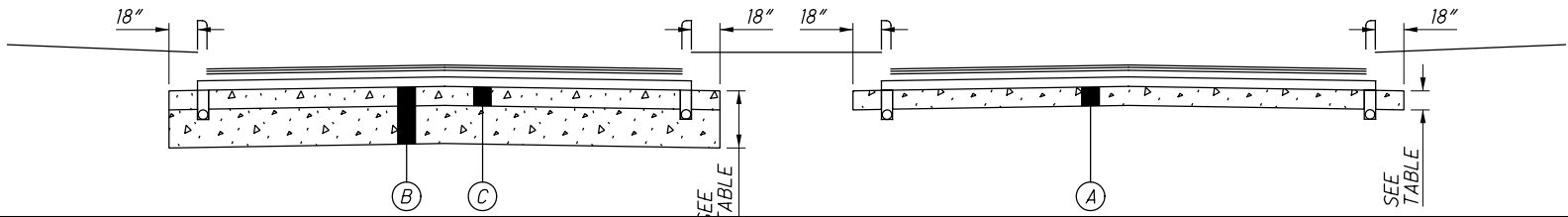
** SEE TYPICAL SECTIONS FOR PRECISE STATIONING OF INTERSECTIONS AND APPROACH SLABS

LEGEND

- (A) ITEM 204 - EXCAVATION OF SUBGRADE (12")*
ITEM 204 - 12" GRANULAR MATERIAL, TYPE B, AS PER PLAN*
- ITEM 204 - SUBGRADE COMPACTION
- ITEM 861 - GEOGRID FOR SUBGRADE STABILIZATION (AS DIRECTED BY THE ENGINEER)
- ITEM 204 - GEOTEXTILE FABRIC

- (B) ITEM 204 - EXCAVATION OF SUBGRADE, AS PER PLAN
ITEM 204 - EMBANKMENT

- (C) ITEM 206 - CEMENT STABILIZED SUBGRADE



NO.	DATE	DESCRIPTION
1	2024-09-10	RECORD DRAWINGS
0	2019-07-29	RFC
ISSUE RECORD		

ROUNDING

THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLIES TO ALL CROSS-SECTIONS EVEN THOUGH OTHERWISE SHOWN.

UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

ELECTRIC
CLEVELAND PUBLIC POWER (CPP)
ATTN: CHRIS HIRZEL
1300 LAKESIDE AVENUE
CLEVELAND, OH 44114
216-664-3922 (CHRIS)
CHIRZEL@CPP.ORG

CLEVELAND ELECTRIC ILLUMINATING
COMPANY (CEI)
ATTN: DEAN CHATFIELD
6896 MILLER ROAD
BRECKSVILLE, OH 44141
440-546-8740
DMCHATFIELD@FIRSTENERGYCORP.COM

NATURAL GAS
DOMINION EAST OHIO GAS
COMPANY (DEOG)
ATTN: AARON CONANT
320 SPRINGSIDE DRIVE, SUITE 320
AKRON, OH 44333
330-664-2451
k.aaron.conant@dominionenergy.com

WATER
CITY OF CLEVELAND,
DIVISION OF WATER (CWDP)
ATTN: FRED ROBERTS
1201 LAKESIDE AVENUE
CLEVELAND, OH 44114
216-664-2444 x5590
FRED.ROBERTS@CLEVELANDWATER.COM

CATV
CHARTER COMMUNICATION
ATTN: PAT SANTOIERMO
8179 EAST DOW CIRCLE
STRONGSVILLE, OH 44136
216-575-8016 CELL 216-854-0717
Pat.Santoiemmo@charter.com

SEWER
NORTHEAST OHIO REGIONAL
SEWER DISTRICT (NEORS)
ATTN: ROBERT STOERKEL
4747 EAST 49TH STREET
CUYAHOGA HEIGHTS, OHIO 44125
216-881-6600
stoerkelr@neorsd.org

CITY OF CLEVELAND,
DIVISION OF WATER
POLLUTION CONTROL (CDWPC)
ATTN: ELIE RAMY, ALAN SCHIELY
12302 KIRBY AVE.
CLEVELAND, OH 44108
216-644-3783/ 216-664-2756
ERAMY@CLEVELANDWPC.COM
ASCHIELY@CLEVELANDWPC.COM

SIGNALS
CITY OF CLEVELAND,
DIVISION OF TRAFFIC ENGINEERING
ATTN: RICH TUTIE
4150 EAST 49TH STREET
CLEVELAND, OHIO 44106
216-420-8270
Rtutie@city.cleveland.oh.us

UTILITIES (CONT'D)

ODOT DISTRICT-12
(PUBLIC UTILITY)
ATTN: TONY TOTH
5500 TRANSPORTATION BLVD.
GARFIELD HEIGHTS, OH 44125
216-584-2220
Anthony.Toth@dot.ohio.gov

LIGHTING
CLEVELAND PUBLIC POWER (CPP)
ATTN: BRIAN SHEPARD
1300 LAKESIDE AVENUE
CLEVELAND, OH 44114
216-664-3922 EXT. 173 (BEAU)
bshepherd@cpp.org

TELEPHONE
XO COMMUNICATIONS
ATTN: DALE FERGUSON
3 SUMMIT DRIVE, SUITE 750
INDEPENDENCE, OH 44131
216-619-3492
DALE.FERGUSON@XO.COM

AT&T
ATTN: ERIC JOHNSTON
13630 LORAIN AVE
CLEVELAND, OH 44111
216-476-6141
EJ1265@ATT.COM

AT&T CORP.
ATTN: GREG BELEW
5980-G WILCOX PLACE
DUBLIN, OHIO 43016
614-760-8320
gbelew@hlgengineering.com

VERIZON
ATTN: AL GUEST
120 RAVINE STREET
AKRON, OH 44303
O. 330-253-8267/ M. 330-329-5495
ALLAN.GUEST@VERIZON.COM

CENTURYLINK (LEVEL 3)
ATTN: TOM TROMBLEY OR
DOUG HOLLOWAY
4000 CHESTER AVE
CLEVELAND, OH 44103
734-777-1910
216-906-6284
TOM.TROMBLEY@CENTURYLINK.COM
DOUG.HOLLOWAY@CENTURYLINK.COM

ZAYO
ATTN: JOHN BRUCE
CORTLAND, OHIO 44410
JOHN.BRUCE@ZAYO.COM

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

WORK HOURS AND CONSTRUCTION NOISE

THE CONTRACTOR SHALL RESTRICT HIS WORKING HOURS TO THOSE PERMITTED BY LOCAL ORDINANCES OR ANY OTHER APPLICABLE ORDINANCES, LAWS OR REGULATIONS EXCEPT AS HE MAY OBTAIN WRITTEN VARIANCES FROM SUCH ORDINANCES, LAWS OR REGULATIONS FROM THE APPROPRIATE GOVERNING AUTHORITIES.

THE NOISE LEVEL RESULTING FROM THE CONSTRUCTION SHALL BE WITHIN THE LIMITS SPECIFIED IN OSHA REGULATIONS AND ALL LOCAL ORDINANCES. POWER-OPERATED CONSTRUCTION-TYPE DEVICES SHALL NOT BE OPERATED BETWEEN THE HOURS OF 7 P.M. AND 7 A.M. IN ADDITIONAL DO NOT OPERATE AT ANY TIME ANY DEVICE IN SUCH A MANNER THAT THE NOISE EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

OPERATIONAL OFFSETS ON URBAN STREETS

A MINIMUM OPERATIONAL OFFSET OF 1.5 FEET SHOULD BE PROVIDED FROM FACE OF CURB (3 FEET AT INTERSECTIONS).

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEET 10 OF THE PLANS FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION. USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

PROJECT CONTROL

POSITIONING METHOD: STATIC GPS OPUS SOLUTIONS
MONUMENT TYPE: VARIOUS

VERTICAL POSITIONING
ORTHOMETRIC HEIGHT DATUM: NAVD88
GEOID: GEOID09

HORIZONTAL POSITIONING
REFERENCE FRAME: NAD83(CORP96)
ELLIPSOID: GRS80
MAP PROJECTION: LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM: OHIO STA PLANE, NORTH ZONE
COMBINED SCALE FACTOR: 0.99993855
ORIGIN OF COORDINATE SYSTEM
EASTING (X): 0,0 NORTHING (Y): 0,0 ELEVATION (Z): 0,0

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH C&MS 623.

ITEM 623 - MONUMENT ASSEMBLY

CONSTRUCT MONUMENT ASSEMBLIES IN ACCORDANCE WITH THE DETAILS SHOWN ON THE STANDARD CONSTRUCTION DRAWINGS AND AT THE LOCATIONS SHOWN ON SHEET 10.

CITY OF CLEVELAND STANDARD DRAWINGS

THE APPLICABLE STANDARD DRAWINGS AND DETAILS OF THE CITY OF CLEVELAND HAVE BEEN NOTED ON THE TITLE SHEET AND ARE CONSIDERED A PART OF THE PLAN SET. THESE DRAWINGS AND DETAILS REPRESENT THE MOST CURRENT VERSIONS APPROVED BY THE CITY OF CLEVELAND AND HAVE BEEN INCLUDED TO DEPICT THE INTENT OF THE PARTICULAR CONSTRUCTION FEATURES, HOWEVER THEY HAVE NOT BEEN UPDATED FOR CONFORMANCE WITH THE 2016 ODOT CMS. WHEN REFERENCES TO NON-CURRENT CMS ITEMS ARE ENCOUNTERED WITHIN THE DETAILS (I.E. "ITEM 604" OR "CLASS C CONCRETE") THE CURRENT SECTION OF THE CMS (I.E. "ITEM 611 OR "CLASS QC-1 CONCRETE") SHALL APPLY. INTERPRETATIONS REGARDING THE APPLICABLE SECTIONS OF THE 2016 CMS SHALL BE AT THE DIRECTION OF THE ENGINEER.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

AIRWAY/HIGHWAY CLEARANCE FOR AIRPORTS AND HELIPORTS

THIS PROJECT HAS BEEN IDENTIFIED AS BEING WITHIN THE INFLUENCE AREA OF A PUBLIC USE AIRPORT OR HELIPORT. NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT AT MAXIMUM OPERATING HEIGHT SHALL EXCEED A HEIGHT OF 100 FT. IF ANY TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT WILL EXCEED THIS HEIGHT, FURTHER COORDINATION WITH THE FEDERAL AVIATION ADMINISTRATION (FAA), AND ODOT OFFICE OF AVIATION WILL BE NECESSARY PRIOR TO ERECTING SUCH TEMPORARY STRUCTURES OR OPERATING SUCH EQUIPMENT ON THE PROJECT. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT FAA FORM 7460-1 TO THE FAA. NOTIFY THE ODOT OFFICE OF AVIATION WHEN RESUBMITTING AN FAA FORM 7460-1.

NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT SHALL EXCEED THE PERMISSIBLE HEIGHT, UNTIL A COPY OF THE FAA APPROVAL AND THE ODOT OFFICE OF AVIATION PERMIT HAS BEEN FURNISHED TO THE PROJECT ENGINEER.

FAA APPROVAL MAY TAKE UP TO 45 DAYS. ALL SUBMISSIONS SHALL BE DIRECTED TO THESE OFFICES:

EXPRESS PROCESSING CENTER
THE FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGIONAL OFFICE
AIR TRAFFIC AIRSPACE BRANCH ASW-520
2601 MEACHAN BLVD.
FORT WORTH, TX 76137-4298

OHIO DEPARTMENT OF TRANSPORTATION
OFFICE OF AVIATION
2829 WEST DUBLIN-GRANVILLE ROAD
COLUMBUS, OHIO 43235
614-387-2346

SPECIFICATION REFERENCE

UNLESS OTHERWISE NOTED, REFERENCE TO SPECIFICATION ITEMS SHALL BE CONSTRUED TO BE OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS JANUARY 1, 2016 EDITION INCLUDING UPDATES RELEASED ON OR BEFORE OCTOBER 20, 2016.

BUILDABLE UNIT REFERENCE

THE PROJECT IS BROKEN INTO BUILDABLE UNITS, PORTIONS OF THE PROJECT DEFINED BY GEOGRAPHIC AREAS OR TYPES OF WORK TO BE PERFORMED. THE FOLLOWING IS A LIST OF BUILDABLE UNITS ASSOCIATED WITH THIS PLAN SET:

BU-01	MAINTENANCE OF TRAFFIC
BU-03	E 55TH ST - BRIDGE
BU-04	E 55TH ST - WALLS 1A-1D
BU-05	E 55TH ST - STORM, REGULATOR, SANITARY
BU-06	E 55TH ST - PRIVATE UTILITY RELOCATION
BU-07	E 55TH ST - PUBLIC UTILITY RELOCATION
BU-08	WALL 2A/2B
BU-09	SANITARY SEWER
BU-10	WATER LINE
BU-12	TRAFFIC CONTROL - SIGNALS AND DUCT BANK
BU-13	STORM SEWER
BU-15	ROADWAY & PAVEMENT - KINGSBURY RUN TO END PROJECT
BU-15A	ROADWAY & PAVEMENT - GCRTA PARKING LOT
BU-17	BRIDGE - KINGSBURY RUN
BU-17A	GCRTA WYE TRACK, OUTFALL #2
BU-26	TRAFFIC CONTROL - SIGNING & STRIPING
BU-27	STREET LEVEL LIGHTING
BU-28	HIGHWAY LIGHTING
BU-29	LANDSCAPING, FINISH GRADING & SEEDING

0	2018-07-29	RFC
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CONCRETE DESIGN MIX (CLEVELAND 650)

ALL CAST-IN-PLACE CONCRETE FOR THE PROJECT NOT ASSOCIATED WITH STRUCTURES SHALL BE PROVIDED IN ACCORDANCE WITH THE C&MS, EXCEPT THE MINIMUM CEMENT CONTENT OF THE MIX SHALL BE 650 LBS. PER CUBIC YARD.

ITEM 441 - ASPHALT CONCRETE SURFACE COURSE

ASPHALT CONCRETE SHALL COMPLY WITH C&MS 441 UNLESS OTHERWISE SPECIFIED IN THE CONTRACT. RECYCLED MATERIAL SHALL BE LIMITED TO WEARING COURSE MAXIMUM OF 10%, UNLESS OTHERWISE SPECIFIED IN THE CONTRACT.

441, TYPE 1, (448), PG64-22 - THE USE OF GRAVEL IS NOT PERMITTED FOR THIS ITEM. RAP USED IN THIS MIX SHALL BE LIMITED TO A MAXIMUM OF 10%.

441, TYPE 1, (448), PG70-22M - THE COARSE VIRGIN AGGREGATE FOR THIS ITEM SHALL CONSIST OF A BLEND OF 60% MINIMUM AIR COOLED BLAST FURNACE SLAG (ACBFS) OR TRAP ROCK FROM ONTARIO WITH LIMESTONE COMPRISING THE REMAINING PERCENTAGE.

ITEM 442 - ASPHALT CONCRETE SURFACE COURSE

442, 12.5MM, TYPE A (448), PG70-22M THE COARSE VIRGIN AGGREGATE FOR THIS ITEM SHALL BE LIMITED TO A BLEND OF AIR-COOLED BLAST FURNACE (ACBFS) OR TRAP ROCK FROM ONTARIO AND LIMESTONE. THE CONTRACTOR SHALL USE A MINIMUM 60% OF ACBFS OR TRAP ROCK FROM ONTARIO, WITH LIMESTONE COMPRISING THE REMAINING PERCENTAGE. AT LEAST 50% OF FINE VIRGIN AGGREGATE FOR THIS ITEM SHALL BE LIMITED TO ACBFS OR TRAP ROCK FROM ONTARIO.

TABLE 442.02-2 APPLIES EXCEPT NO. 4 SIEVE REQUIREMENTS ARE 52 TO 62 TOTAL PERCENT PASSING.

WHEN ACBFS IS USED FOR A FRACTION OF THE COARSE AGGREGATE, ALL REQUIREMENTS OF C&MS 442 APPLY, EXCEPT PROVIDE A TOTAL ASPHALT BINDER CONTENT GREATER THAN OR EQUAL TO 6.2 PERCENT. IF ACBFS MAKES UP 100% OF THE COARSE AGGREGATE, THE BINDER REQUIREMENTS OF C&MS 442 APPLY.

CONTRACTION JOINTS IN CONCRETE PAVEMENT OR BASE WIDENING

WHERE NEW CONCRETE IS PLACED ADJACENT TO EXISTING CONCRETE, PROVIDE CONTRACTION JOINTS IN THE NEW CONCRETE TO FORM CONTINUOUS JOINTS WITH THOSE IN THE EXISTING CONCRETE.

MULTIPLE JOINTS WITH EQUAL INTERVALS SHALL BE PLACED WHEN JOINT SPACING IN EXISTING CONCRETE EXCEEDS THE MAXIMUM JOINT SPACING.

ITEM 451 - REINFORCED CONCRETE PAVEMENT

PAVEMENT JOINTING SHALL FOLLOW THE CITY OF CLEVELAND'S STANDARDS, INCLUDING STANDARD CONSTRUCTION DRAWING CONC-1 AND THE USE OF EPOXY COATED MESH.

ITEM 204 - GRANULAR MATERIAL, AS PER PLAN

ALL GRANULAR MATERIAL SHALL BE CRUSHED CARBONATE STONE, CRUSHED AIR-COOLED BLAST FURNACE SLAG (ACBFS) OR CRUSHED GRAVEL. FURNISH ACBFS ACCORDING TO SUPPLEMENT 1027.

ITEM 304 - AGGREGATE BASE, AS PER PLAN

ALL AGGREGATE BASE SHALL BE CRUSHED CARBONATE STONE, CRUSHED AIR-COOLED BLAST FURNACE SLAG (ACBFS) OR CRUSHED GRAVEL. FURNISH ACBFS ACCORDING TO SUPPLEMENT 1027.

ITEM 305, 451, 452, 608 AND 609 - CONSTRUCTION OF CONCRETE BASE PAVEMENT, DRIVEWAYS, SIDEWALKS AND CURB, AS PER PLAN.

CONSTRUCT CAST-IN-PLACE CONCRETE ITEMS IN ACCORDANCE WITH THE ODOT CMS, EXCEPT AS MODIFIED BY GENERAL NOTES "CONCRETE DESIGN MIX (CLEVELAND 650)" AND OTHER GENERAL NOTES WITHIN THE PLAN SET.

ITEM 608 - CONCRETE SIDEWALK, AS PER PLAN

ALL SIDEWALKS SHALL CONFORM TO THE FOLLOWING: PER 608.03(C), IT IS REQUIRED THAT 1/2 INCH THICK EXPANSION JOINT MATERIAL (C&MS 703.05) IS INSTALLED BETWEEN THE WALK AND THE BACK OF CURB AND INCH THICK FOR ANY OTHER FIXED OBJECT. IN ADDITION TO THE LOCATIONS SPECIFIED UNDER C&MS 608.03(C), TRANSVERSE EXPANSION JOINTS SHALL BE CONSTRUCTED AT INTERVALS OF NOT MORE THAN 25 TO 30 FEET UNLESS OTHERWISE DIRECTED. THE EXPANSION JOINT FILLER C&MS 705.03 SHALL BE PLACED AT THE TRANSVERSE EXPANSION JOINTS FOR THE FULL DEPTH/WIDTH OF THE CONCRETE WALK AND SHALL BE TRULY NORMAL TO GRADE. THE TOP 1/2 INCH OF THE EXPANSION JOINT PLACED BETWEEN THE WALK AND BACK OF CURB SHALL BE SEALED WITH C&MS 705.04 JOINT SEALER.

FINAL SURFACE FINISH OF WALKS SHALL BE IN ACCORDANCE WITH APPLICABLE MUNICIPAL STANDARDS/ORDINANCES. IN ADDITION, A 2 INCH COMPACTED SCREENINGS BED THAT MEETS THE REQUIREMENTS OF C&MS 703.10 (LIMITED TO CRUSHED STONE) SHALL BE FURNISHED AND PLACED BENEATH ALL SIDEWALK AREAS.

ITEM 608 - CURB RAMPS, AS PER PLAN

ALL CURB RAMPS PROVIDED BY THE CONTRACTOR SHALL MEET ALL ADA REQUIREMENTS AND THE FOLLOWING: TRUNCATED DOME TILES TINTED RED AS MANUFACTURED BY ENGINEERED PLASTICS, INC., TRUNCATED DOME TACTILE SYSTEMS AS MANUFACTURED BY ADA SOLUTIONS INC., OR APPROVED EQUAL SHALL BE INSTALLED AT ALL CURB RAMPS.

CURB RAMPS SHALL CONFORM TO THE CITY OF CLEVELAND CURB RAMPS STANDARD DRAWINGS.

THICKNESS OF THE CURB RAMP WALK AND CONCRETE BASE BENEATH THE TRUNCATED DOMES SHALL BE A MINIMUM OF 8 INCHES. IN ADDITION, (A 2 INCH COMPACTED SCREENINGS BED THAT MEETS THE REQUIREMENTS OF C&MS 703.10 (LIMITED TO CRUSHED STONE) SHALL BE FURNISHED AND PLACED BENEATH ALL CURB RAMP AREAS).

ASPHALT CONCRETE SURFACE COURSE SEALING REQUIREMENTS

THE CONTRACTOR SHALL SEAL ALL GUTTERS AND LOCATIONS MENTIONED BELOW PER THE GOVERNING REGULATIONS WITH A CERTIFIED PG BINDER PER C&MS 702.01. THE SEALANT SHALL BE APPLIED AT A UNIFORM RATE AND UNIFORM WIDTH OF 3 INCHES, WITHOUT EXCESS MATERIAL LEFT ON THE SURFACE. THE SEALANT SHALL BE APPLIED AT A TEMPERATURE BETWEEN 300 AND 350 DEGREES FAHRENHEIT IMMEDIATELY UPON COMPLETION OF THE SURFACE COURSE.

IN ADDITION TO GUTTER SEALING THE CONTRACTOR SHALL SEAL ALL CASTINGS WITHIN PAVEMENT INCLUDING MONUMENTS, MANHOLES, VALVES, CATCH BASINS AND CURB INLETS. THE CONTRACTOR SHALL ALSO SEAL ALL BUTT AND FEATHER JOINTS, AND THE PERIMETER OF ALL PAVEMENT REPAIRS OR OTHER PAVEMENT INLAYS WHEN PAVEMENT REPAIRS /INLAYS ARE NOT OVERLAID WITH AN ASPHALT CONCRETE SURFACE COURSE.

PLANED SURFACES

THE CONTRACTOR SHALL SCHEDULE THEIR OPERATIONS SUCH THAT THE PROPOSED ASPHALT INTERMEDIATE COURSE IS PLACED WITHIN SEVEN (7) CALENDAR DAYS OF PAVEMENT PLANING ON INTERSTATE, ARTERIAL AND COLLECTOR ROADS AND WITHIN FOURTEEN (14) CALENDAR DAYS ON LOCAL ROADS.

BENCHING OF FOUNDATION SLOPES

ALTHOUGH CROSS-SECTIONS INDICATE SPECIFIC DIMENSIONS FOR PROPOSED BENCHING OF THE EMBANKMENT FOUNDATIONS IN CERTAIN AREAS, NO WAIVER OF THE SPECIFICATIONS IS INTENDED. BENCH ALL OTHER SLOPED EMBANKMENT AREAS AS SET FORTH IN 203.05.

SUBGRADE STABILIZATION

THE CONTRACTOR SHALL PREPARE SUITABLE SUBGRADE IN CONFORMANCE WITH C&MS 204.

SUBGRADE SHALL BE STABILIZED PER THE PROPOSED TREATMENT DETAILED ON SHEET 22.

BENEATH ALL PROPOSED FULL DEPTH PAVEMENT THE CONTRACTOR SHALL COMPLETE THE FOLLOWING SUBGRADE STABILIZATION METHOD PER C&MS 204, AND PER THE DEPARTMENT'S GEOTECHNICAL BULLETIN GB-1:

PERFORM ITEM 204 - EXCAVATION OF SUBGRADE AND REPLACEMENT WITH ITEM 204 - GRANULAR MATERIAL, TYPE B (UNDERCUT) IN LOCATIONS AND AT DEPTHS PER THE PROPOSED SUBGRADE TREATMENT TABLE AND AS SHOWN IN THE CROSS SECTIONS.

IN AREAS WHERE BEDROCK IS ENCOUNTERED OR WILL BE WITHIN 2 FEET OF THE BOTTOM OF PAVEMENT, THE BEDROCK SHALL BE REMOVED TO THE 2-FOOT LIMIT AND THE CAVITY BACKFILLED WITH GRANULAR MATERIAL TYPE B PER C&MS 204.

UNDERCUT AREAS OF UNSTABLE NON-BEDROCK SUBGRADE PER THE PROPOSED SUBGRADE TREATMENT TABLE.

GEOGRID WILL BE USED AS SHOWN IN THE PLANS AND AT THE DIRECTION OF THE DEPARTMENT AND SHALL BE PLACED FROM BACK OF CURB TO BACK OF CURB.

THE CONTRACTOR SHALL LOCATE AND VERIFY THE DEPTH OF ALL EXISTING UNDERGROUND UTILITIES AND SEWERS PRESENT IN AREAS OF SUBGRADE STABILIZATION TO ENSURE NO IMPACTS OR DAMAGE DURING CONSTRUCTION. STABILIZATION DEPTHS MAY BE ADJUSTED OR NON-PERFORMED WITH APPROVAL OF THE DEPARTMENT TO ACCOMMODATE UTILITIES. SPECIFIC ATTENTION IS DIRECTED TO ALL EXISTING WATERLINES. AN 18-INCH DEPTH OF UNDISTURBED EARTH SHALL BE KEPT ABOVE ALL WATER LINES DURING SUBGRADE CONSTRUCTION. STATIC ROLLERS SHALL BE USED FOR SUBGRADE AND SUBBASE COMPACTION IN AREAS OF EXISTING WATER LINES. VIBRATORY EQUIPMENT OVER WATER LINES IS STRICTLY PROHIBITED.

UNSTABLE SUBGRADE WILL BE STABILIZED USING CEMENT STABILIZATION PER THE SUBGRADE TREATMENT TABLE. IN AREAS WHERE CEMENT STABILIZATION IS PERFORMED, THE CONTRACTOR ASSUMES ALL SITE RISKS AND RESULTING PERFORMANCE ASSOCIATED WITH STABILIZATION TO ENSURE STABLE AND SUITABLE SUBGRADE.

CITY OF CLEVELAND ANTI-IDLING POLICY

AS PART OF PROJECT SUSTAINABILITY EFFORTS, THE CONTRACTOR SHALL FOLLOW THE CITY OF CLEVELAND MAYOR'S OFFICE OF SUSTAINABILITY ANTI-IDLING POLICY. NO GASOLINE-POWERED VEHICLES OR PIECES OF EQUIPMENT ON ANY PROJECT SITE SHALL BE IDLED IN NON-EMERGENCY SITUATIONS. THE OPERATOR OF THE GASOLINE-POWERED VEHICLE/EQUIPMENT IS TO TURN OFF THE UNIT AND THE KEYS ARE TO BE REMOVED FROM THE IGNITION DURING PERIODS OF INACTIVITY LONGER THAN 30 SECONDS.

THE FOLLOWING SITUATIONS WILL ALLOW IDLING AS NEEDED:

- VEHICLES AT JOB SITES REQUIRING THE USE OF EMERGENCY LIGHTS AND/OR OTHER ACCESSORIES TO ACCOMPLISH THEIR ASSIGNMENT; AND
- INCLEMENT WEATHER SITUATIONS AND THE SUPERVISOR AUTHORIZES THE USE OF THE VEHICLE/EQUIPMENT HEATER-DEFROSTER FOR THE WORK CREW'S COMFORT ACCORDING TO THE FOLLOWING GUIDELINES IF THE OUTSIDE TEMPERATURE IS:
 - ABOVE 32 DEGREES FAHRENHEIT: 5 MINUTE MAXIMUM
 - BETWEEN -10 AND 32 DEGREES FAHRENHEIT: 15 MINUTE MAXIMUM
 - BELOW -10 DEGREES FAHRENHEIT: AS NECESSARY

ITEM 204 - SUBGRADE COMPACTION AND PROOF ROLLING

WHERE CHEMICAL STABILIZATION IS NOT SHOWN ON THE PLANS, CONSTRUCT THE SUBGRADE AS FOLLOWS AND IN THE FOLLOWING SEQUENCE:

- SHAPE THE SUBGRADE TO WITHIN 0.2 FEET OF THE PLAN SUBGRADE ELEVATION.
- EXCAVATE AND REPLACE UNSUITABLE SUBGRADE BEFORE PROOF ROLLING. THE EXCAVATION LIMITS ARE SHOWN ON THE CROSS SECTIONS AND SHOWN AND LABELED IN THE PROPOSED SUBGRADE TREATMENT TABLE AS UNSUITABLE SUBGRADE. UNSUITABLE SUBGRADE INCLUDES UNSUITABLE SOIL (A-4B, A-2-5, A-5, A-7-5, AND SOIL WITH A LIQUID LIMIT GREATER THAN 65) AND ANY COAL, SHALE, OR ROCK WHICH NEEDS TO BE REMOVED ACCORDING TO 204.05.
- IF THERE IS UNSUITABLE SUBGRADE IN A SHALLOW FILL LOCATION, EXCAVATE AND REPLACE THE UNSUITABLE SUBGRADE BEFORE CONSTRUCTING THE SHALLOW FILL AND SHAPING THE SUBGRADE.
- APPROXIMATE LIMITS FOR EXCAVATION OF UNSTABLE SUBGRADE ARE SHOWN ON THE CROSS SECTIONS AND SHOWN AND LABELED ON THE PROPOSED SUBGRADE TREATMENT TABLE AS UNSTABLE SUBGRADE. THE ENGINEER WILL IDENTIFY THE ACTUAL LIMITS OF EXCAVATION FOR UNSTABLE SUBGRADE BASED ON THE PROOF ROLLING RESULTS AND VISUAL OBSERVATIONS.
- PROOF ROLL THE SUBGRADE ACCORDING TO 204.06.
- EXCAVATE UNSTABLE SUBGRADE AS DIRECTED BY THE ENGINEER AND STABILIZE BY REPLACING WITH THE SPECIFIED MATERIALS ACCORDING TO 204.07. EXCAVATIONS WILL EXTEND 18 INCHES BEYOND THE EDGE OF THE SURFACE OF THE PAVEMENT, PAVED SHOULDERS, OR PAVED MEDIANS.
- FINE GRADE THE SUBGRADE TO THE SPECIFIED GRADE.

2	2024-09-10	RECORD DRAWINGS
1	2020-01-03	DCO27
0	2019-07-29	RFC
NO.	DATE	DESCRIPTION
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ITEM SPECIAL - ABANDONED UTILITY

FOR ABANDONED UTILITIES 10" IN DIAMETER OR LARGER, ITEM 613 FILL MATERIAL SHALL BE PUMPED INTO PLACE, OR PLACED BY OTHER MEANS APPROVED BY THE ENGINEER, SO THAT, AFTER SETTLEMENT, AT LEAST 90 PERCENT OF THE CROSS SECTIONAL AREA OF THE UTILITY, FOR ITS ENTIRE LENGTH, SHALL BE FILLED.

UNDERGROUND UTILITIES

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

CONCURRENT UTILITY RELOCATION

PUBLIC AND PRIVATE UTILITY RELOCATIONS WILL BE OCCURRING CONCURRENT WITH THE PROJECT. UTILITY NOTES ARE INCLUDED IN UTILITY-SPECIFIC PLAN PACKAGES BU-09, BU-10, AND BU-11. THE CONTRACTOR IS MADE AWARE THAT THE ABILITY OF SOME UTILITIES TO RELOCATE IS DEPENDANT UPON THE CONTRACTORS PERFORMANCE OF SOME WORK.

THE CONTRACTOR SHALL CONFIRM THE RELOCATION CONSTRUCTION TIMEFRAMES REQUIRED BY UTILITY OWNER AND INCORPORATE THESE TIMEFRAMES INTO THE PROJECT CPM SCHEDULE. CONTRACTOR SHALL ENSURE ALL UTILITIES REMAIN OPERATIONAL DURING ALL PHASES OF PROJECT CONSTRUCTION EXCEPT AS SPECIFICALLY ALLOWED AND APPROVED BY THE UTILITY OWNER. NECESSARY INTERRUPTIONS OF SERVICE, INCLUDING PROPOSALS FOR SHUTDOWNS AND TEMPORARY DIVERSIONS OF AFFECTED UTILITIES, SHALL BE APPROVED BY THE UTILITY OWNER AND ODOT.

DOMINION EAST OHIO - PIPELINE PROTECTION

IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE LATERAL AND SUBJACENT SUPPORT OF DOMINION'S PIPELINE(S), IN COMPLIANCE TO 29 CFR, PART 1926, SUBPART P, (SAFE EXCAVATION & SHORING). ONE-FOOT MINIMUM VERTICAL AND HORIZONTAL CLEARANCE MUST BE MAINTAINED BETWEEN DOMINION EAST OHIO'S (DEO) EXISTING PIPELINE(S) AND ALL OTHER IMPROVEMENTS. EXTREME CARE SHOULD BE TAKEN NOT TO HARM ANY DEO FACILITY (PIPELINES, ETC.) OR APPURTENANCE (PIPE COATING, TRACER WIRE, CATHODIC PROTECTION TEST STATION WIRES & DEVICES, VALVE BOXES, ETC.). DEO FACILITIES MUST BE PROTECTED WITH A TARP DURING BRIDGE CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE AND LIABLE FOR ENSURING THAT ALL DEO EXISTING FACILITIES, ABOVE AND BELOW GROUND, REMAIN UNDAMAGED, ACCESSIBLE AND IN WORKING ORDER. THE CROSSING OF DEO'S PIPELINE WITH ANOTHER STEEL FACILITY MAY CREATE A POTENTIAL CORROSION ISSUE FOR THE PROPOSED FACILITY AND THE EXISTING DEO FACILITY. PLEASE CONTACT DOMINION'S CORROSION DEPARTMENT: DAVE CUTLIP (330-266-2121), RICK McDONALD (330-266-2122), OR AL HUMRICHouser (330-478-3757).

DEO = THE EAST OHIO GAS COMPANY.
DBA DOMINION EAST OHIO, 1-800-362-7557

UTILITY COORDINATION - WATERWORK

CONTRACTOR SHALL NOTIFY CITY OF CLEVELAND: DIVISION OF WATER (CWD) 14 DAYS IN ADVANCE OF WORKING NEAR LIVE CWD MAINS 20" AND LARGER IN DIAMETER.

UTILITY COORDINATION - ELECTRICAL

CONTRACTOR SHALL NOTIFY AND COORDINATE WITH CLEVELAND ILLUMINATING COMPANY (CEI) ONE (1) WEEK IN ADVANCE OF CONSTRUCTION OF SURFACE COURSE TO ADJUST STRUCTURES TO GRADE. SEE ROADWAY PLANS FOR STRUCTURES AND LOCATIONS.

UTILITY COORDINATION - TELECOMMUNICATIONS

CONTRACTOR SHALL NOTIFY AND COORDINATE WITH AT&T TWENTY-ONE (21) DAYS IN ADVANCE OF CONSTRUCTION FOR ADJUSTMENT OF CASTINGS. CONTRACTOR SHALL USE CAUTION WHEN EXCAVATING, SHALL PROTECT EXPOSED UTILITIES IN PLACE, AND SHALL NOT TRAVERSE EXPOSED DUCTS.

ITEM 690 - SPECIAL, MISC.: UTILITY TEST HOLE (LESS THAN FOUR FEET DEEP)

PRIOR TO INSTALLING ANY OF THE SIGNAL ITEMS, LIGHTING ITEMS, UNDERDRAIN ITEMS, PLANTING ITEMS, AND DRAINAGE ITEMS, AND OTHER RELATED CONSTRUCTION ACTIVITIES, THE CONTRACTOR IS RESPONSIBLE TO DETERMINE THE TYPE AND LOCATION OF ALL UNDERGROUND UTILITIES.

IF THERE IS AN UNDERGROUND CONFLICT INVOLVING A DRAINAGE ITEM, NOTIFY THE DEPARTMENT IMMEDIATELY.

BACKFILL AND COMPACT THE HOLE AND RESTORE THE SURFACE AS DESCRIBED UNDER RESTORATION OF DISTURBED AREAS WHEN DIRECTED BY THE ENGINEER.

THE DEPTH OF THE TEST HOLE WILL BE MEASURED FROM THE ELEVATION OF THE EXISTING GROUND AT THE TIME OF THE TESTING TO THE TOP OF THE UTILITY. IF EMBANKMENT HAS BEEN PLACED, THE MEASUREMENT WILL BE FROM THE ELEVATION OF THE GROUND PRIOR TO THE PLACEMENT OF THE EMBANKMENT. THE CONTRACTOR IS RESPONSIBLE FOR UTILITY DAMAGE BY TEST HOLE ACTIVITIES AS DETERMINED BY THE ENGINEER.

INFORM THE ENGINEER OF THE LOCATIONS OF THE TEST HOLES PRIOR TO BEGINNING THIS WORK.

THE UTILITY TEST HOLES (LESS THAN 4 FEET DEEP) INCLUDES THE COST OF LABOR, MATERIALS, EQUIPMENT, TOLLS, AND OTHER INCIDENTALS INCLUDING BACKFILL, COMPACTING AND SURFACE RESTORATION.

THREATENED AND ENDANGERED SPECIES

THIS PROJECT IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT AND NORTHERN LONG-EARED BAT. NO TREES SHALL BE REMOVED UNDER THIS PROJECT FROM APRIL 1 THROUGH SEPTEMBER 30. ALL NECESSARY TREE REMOVAL SHALL OCCUR FROM OCTOBER 1 THROUGH MARCH 31. THIS REQUIREMENT IS NECESSARY TO AVOID AND MINIMIZE IMPACTS TO THESE SPECIES AS REQUIRED BY THE ENDANGERED SPECIES ACT. FOR THE PURPOSES OF THIS PROJECT, A TREE IS DEFINED AS A LIVE, DYING OR DEAD WOODY PLANT, WITH A TRUNK THREE (3) INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE AND WITH A MINIMUM HEIGHT OF 13 FEET.

REMOVAL OF EXISTING ROADWAY AND APPURTENANCES

THE CONTRACTOR SHALL REMOVE ALL EXISTING OBJECTS AND OBSTRUCTIONS WITHIN THE WORK LIMITS NECESSARY TO CONSTRUCT THE PROJECT PER C&MS 202 AND AS SHOWN IN THE PLANS. REMOVALS INCLUDE EXISTING PAVEMENT AND SIDEWALK, CURB AND GUTTER, UNUSED PAVEMENT AND UNUSED SIDEWALK, STEPS, DRAINAGE FACILITIES, SOIL, ROAD BARRIERS, WALLS, RAILINGS, FENCING, AND SIGNS.

THE CONTRACTOR SHALL REMOVE UNUSED PAVEMENT AND SIDEWALK ON EXISTING FACILITIES, AND PAVEMENT FOR DETOUR ROUTES THAT ARE NOT PART OF THE FINAL PAVEMENT OR SIDEWALK CONFIGURATION OF THE PROJECT. THE CONTRACTOR SHALL REMOVE ALL EXISTING OBJECTS AND OBSTRUCTIONS DOWN TO A MINIMUM OF 2 FEET BELOW THE EXISTING SURROUNDING GROUND ELEVATION OR TO THE ELEVATION NECESSARY TO CONSTRUCT THE WORK, WHICHEVER IS GREATER.

THE CONTRACTOR SHALL REMOVE ALL EMBANKMENT MATERIAL ASSOCIATED WITH UNUSED PAVEMENTS TO MATCH THE SURROUNDING AREAS. IN REMOVAL AREAS ABUTTING EXISTING FACILITIES TO REMAIN REMOVALS SHALL BE COMPLETED IN A MANNER THAT CREATES A NEAT EDGE PER C&MS 202 AND DOES NOT DAMAGE OR COMPROMISE THE PORTIONS OF ITEMS TO REMAIN.

NEGLIGENCE ON THE PART OF THE CONTRACTOR AS DETERMINED BY THE DEPARTMENT THAT RESULTS IN DAMAGE TO EXISTING ITEMS TO REMAIN SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE DEPARTMENT AT THE COST OF THE CONTRACTOR. SEE SITE SPECIFIC REQUIREMENTS ON SHEET 26 FOR ADDITIONAL REMOVAL REQUIREMENTS OF THE CONTRACTOR.

IN ADDITION, THE CONTRACTOR SHALL, THROUGHOUT THE DURATION OF THE PROJECT, PERFORM ROADSIDE CLEAN UP IN ACCORDANCE WITH C&MS 656.01 AND 656.05 AND PERFORM ROUTINE MOWING IN ACCORDANCE WITH C&MS 659.19 WITHIN PERMANENT AND TEMPOARY RIGHT OF WAYS TO MAINTAIN THE PROJECT IN A PRESENTABLE CONDITION.

THE FOLLOWING EXCEPTIONS APPLY TO THE PREVIOUS REQUIREMENTS:

1. IN THE CASE OF EXISTING ROADWAYS AND APPURTENANCES THAT WILL NO LONGER BE UTILIZED AFTER COMPLETION OF THIS PROJECT, AFFECTED ROADWAY PAVEMENTS AND APPURTENACES SHALL BE REMOVED LEAVING NO VISIBLE EVIDENCE OF THEIR PREVIOUS EXISTENCE BEYOND EXISTING TIE-IN POINTS.
2. IN AREAS OF ROADWAY REMOVAL, THIS SHALL INCLUDE PAVEMENT AND BASE COURSE REMOVAL; FILL AS NECESSARY, AT LEAST 4 INCHES OF TOPSOIL, AND SEEDING.

THE CONTRACTOR SHALL GRADE AREAS TO DRAIN AND NOT CREATE NEW PONDING AREAS AND RESTORE THE SITE TO A CONTINUOUS, CONSISTENT FACILITY. SEE GRADING PLANS ON SHEETS 293 TO 294 FOR SPECIFIC SITE GRADING REQUIREMENTS.

DRAINAGE/SANITARY

SEE BUILDABLE UNITS BU05, BU09, BUI7A, BUI3, BU21, BU24 FOR DRAINAGE AND SANITARY GENERAL NOTES.

ITEM 659 - SEEDING AND MULCHING, AS PER PLAN

THE CONTRACTOR SHALL SEED ALL DISTURBED AREAS THAT ARE NOT PAVED OR OTHERWISE COVERED IN NON-ERODIBLE SURFACE, IN ACCORDANCE WITH C&MS ITEM 659, AND AS SPECIFIED BELOW, EXCEPT FOR AREAS IDENTIFIED FOR SPECIFIC AESTHETIC TREATMENTS BELOW. FOR SLOPES 3:1 OR STEEPER (H:V), THE CONTRACTOR SHALL PROVIDE SLOPE EROSION PROTECTION IN ACCORDANCE WITH C&MS 670.

THE CONTRACTOR SHALL PLACE A MINIMUM OF 4 INCHES OF TOPSOIL PRIOR TO SEEDING OPERATIONS. CLASS I SEED SHALL BE USED EXCEPT IN LOCATIONS WHERE SIDE SLOPES ARE 3:1 OR STEEPER, WHERE CLASS 3B SHALL BE USED. SOIL ANALYSIS TESTING, WATER, LIME, COMMERCIAL FERTILIZER, REPAIR SEEDING AND MULCHING, INTER-SEEDING, AND MOWING SHALL BE PROVIDED TO PROMOTE THE GROWTH AND CARE OF PERMANENT SEEDED AREAS.

THE CONTRACTOR SHALL INSTALL SIDEWALK FROM THE BACK OF CURB TO THE FACE OF ABUTMENT/RETAINING WALL ON THE OUTSIDES OF THE ROAD AND FROM BACK OF CURB TO BACK OF CURB IN MEDIAN AREAS WHERE OH-10 PASSES UNDER THE PROPOSED STRUCTURE AT E.55TH STREET. NO SEEDED AREA SHALL BE PLACED UNDER THE BRIDGE.

REMOVAL OF TEMPORARY EROSION CONTROL ITEMS

ALL TEMPORARY EROSION CONTROL ITEMS SHALL BE REMOVED BEFORE THE PROJECT IS ACCEPTED. REMOVED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED IN ACCORDANCE WITH THE C&MS.

0	2019-07-29	RFC
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ITEM 606 – IMPACT ATTENUATOR, TYPE 2 (BIDIRECTIONAL)
THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING A QUADGUARD II TYPE 2 IMPACT ATTENUATOR, MODEL NO. QG9024 (REFER TO THE POSTED SHOP DRAWINGS FOR THE MOST CURRENT APPROVED PRODUCT MODEL ON THE APPROVED IMPACT ATTENUATOR LIST ON THE ODOT WEBSITE). THE CONTRACTOR SHALL SUPPLY AN APPROPRIATE TRANSITION TO ANCHOR THE IMPACT ATTENUATOR TO THE CONCRETE BARRER WALL AS SPECIFIED IN THE PLANS. THE FACE OF THE IMPACT HEAD SHALL BE COVERED WITH TYPE G REFLECTIVE SHEETING PER CMS 730.19.

ITEM 606 – IMPACT ATTENUATOR, TYPE 2, 50 MPH, 24 INCHES, (BI-DIRECTIONAL) SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT, AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL IMPACT ATTENUATOR SYSTEM, INCLUDING ALL RELATED TRANSITIONS, HARDWARE, AND GRADING, NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

THE IMPACT ATTENUATOR SHALL BE INSTALLED ON A CONCRETE FOUNDATION MEASURING 48 INCHES WIDE AND 8 INCHES DEEP AS SPECIFIED IN THE PLANS. INSTALLATION SHALL BE AT THE LOCATION SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER’S SPECIFICATIONS.

ITEM 607 – FENCE, TYPE CL, AS PER PLAN, A
INSTALL FENCE IN ACCORDANCE WITH CMS 607 AND ODOT STANDARD CONSTRUCTION DRAWING F-1.1 WTH THE FOLLOWING EXCEPTIONS: FENCE HEIGHT SHALL BE 6 FEET. FENCE SHALL INCLUDE TOP RAIL AND BARBED WIRE.

ITEM 607 – FENCE, TYPE CL, AS PER PLAN, D
INSTALL FENCE IN ACCORDANCE WITH CMS 607 AND ODOT STANDARD CONSTRUCTION DRAWING F-1.1 WTH THE FOLLOWING EXCEPTIONS: FENCE HEIGHT SHALL BE 6 FEET. FENCE SHALL INCLUDE TOP RAIL.

SITE SPECIFIC REQUIREMENTS
SITE CLEARING SHALL BE PERFORMED PER C&MS 201 AND AS SPECIFIED BY PARCEL IN THE SITE-SPECIFIC WORK TO BE PERFORMED BY THE CONTRACTOR. REFER TO SHEETS 300- 303 (FROM SECTION 3 RIGHT-OF-WAY TRACING PLANS) FOR PARCEL NUMBERS AND ADDRESSES. SITE CLEARING ON ALL PARCELS WITHIN PERMANENT AND TEMPORARY EASEMENT LIMITS SHALL BE DEFINED AS FOLLOWS:

TOTAL SITE CLEARING
TOTAL SITE CLEARING SHALL REQUIRE REMOVAL FROM THE PARCEL ALL SITE IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO BUILDING AND FOUNDATION REMNANTS; WALLS AND FENCING; DRIVES, WALKS, AND OTHER PAVEMENTS; AND UTILITIES.

THE CONTRACTOR SHALL ALSO REMOVE ALL TREES, SHRUBS, PLANTS, BRUSH, UNDERGROWTH, STUMPS, AND OTHER VEGETATION AS PART OF CLEARING AND GRUBBING. THE REMOVAL AND PROPER DISPOSAL OF DEBRIS, RUBBISH, AND OHTER ABANDONED PROPERTY FOUND WITHIN BUILDINGS OR ON THE PARCEL WITHIN PERMANENT EASEMENT LIMITS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

THE CONTRATOR SHALL RESTORE THE PARCELS TO A BARE GRASS LOT IN MOWABLE CONDITION WITH TOPOSOIL AND SEEDING TO FACILITATE ODOT MAINTENANCE.

TOTAL SITE CLEARING AS DESCRIBED ABOVE APPLIES TO THE FOLLOWING PARCELS:

2002-WL	2021	2031	2041	2064
2008	2022	2032	2042	2065
2009	2023	2033	2043	2068
2010	2024	2034	2045	2069
2011	2025	2035	2046	2073
2013	2026	2036	2047	2076
2014	2027	2037	2049	2081
2015	2028	2038	2060	2082
2016	2029	2039	2062	
2020	2030	2040	2063	

IN ADDITION TO THE REQUIREMENTS STATED ABOVE, TOTAL SITE CLEARING AT THE FOLLOWING PROPERTIES, LISTED BY PARCEL NUMBER, PROPERTY OWNER, AND ADDRESS, INCLUDES REMOVAL AND PROPER DISPOSAL OF SUPERFICIAL WASTE:
2007, ODOT, 2925 E. 55TH STREET
2012, ODOT, 2916 E. 55TH STREET
2044, STATE OF OHIO, 5801 BOWER AVENUE
2048, ODOT, 5901 BOWER AVENUE
2050, CLEVELAND LRP, BOWER AVENUE
2072, ODOT, 6201 BUTLER AVENUE

TOTAL SITE CLEARING AT THE FOLLOWING PROPERTIES, LISTED BY PARCEL NUMBER, PROPERTY OWNER, AND ADDRESS, INCLUDES BUILDING DEMOLITION:
2007, ODOT, 2925 E. 55TH STREET

SITE SPECIFIC REQUIREMENTS (CONT'D)
PARTIAL SITE CLEARING
WHERE PARTIAL SITE CLEARING IS INDICATED, TOTAL SITE CLEARING REQUIREMENTS SHALL APPLY WITH THE FOLLOWING EXCEPTIONS:
1. OUTSIDE THE LIMITS OF PROPOSED WORK, THE CONTRACTOR SHALL REMOVE ALL DEAD OR DYING TREES AND LIMBS, ALL SHRUBS, PLANTS, BRUSH, UNDERGROWTH, AND STUMPS.

2. OUTSIDE THE LIMITS OF PROPOSED WORK, THE CONTRACTOR SHALL SALVAGE LIVING TREES 6-INCH AND LARGER.

3. WITHIN TEMPORARY EASEMENTS, THE CONTRACTOR SHALL AVOID IMPACT TO ANY ITEMS INDICATED NOT TO BE DISTURBED IN THE FOLLOWING SITE-SPECIFIC DESCRIPTION OF WORK TO BE PERFORMED.

PARTIAL SITE CLEARING AS DESCRIBED ABOVE APPLIES TO THE FOLLOWING PARCELS:
2083, STATE OF OHIO, 2871 E. 64TH STREET
2084, STATE OF OHIO, 2875 E. 64TH STREET

PARTIAL SITE CLEARING AT THE FOLLOWING PROPERTIES, LISTED BY PARCEL NUMBER, PROPERTY OWNER, AND ADDRESS, INCLUDES REMOVAL AND PROPER DISPOSAL OF SUPERFICIAL WASTE:
2084, STATE OF OHIO, 2875 E. 64TH STREET

SITE-SPECIFIC DESCRIPTION OF WORK TO BE PERFORMED
PARCEL 2001, GCRTA SUBSTATION, 2880-2890 E. 55TH ST.
TEMPORARY 6 FOOT CHAIN LINK FENCING SHALL BE PROVIDED ALONG THE TEMPORARY EASEMENT LINE. REMOVE EXISTING RETAINING WALL. RESTORE RIGID PAVEMENT DRIVEWAY AND FLEXIBLE PAVEMENT PARKING LOT. RESTORE SITE WITH SEEDING AND MULCHING AND RE-SECURE SITE WITH NEW PERMANENT 6 FOOT CHAIN LINK FENCING AT PROPERTY LINE. DBT SHALL NOT DISTURB GCRTA SUBSTATION BUILDING, EQUIPMENT, FENCING, PARKING LOT, OR OTHER APPURTENANCES WEST OF THE WEST PROPERTY LINE OF PARCEL 2001.

PARCEL 2002-T1, CSM HORVATH REALTY, LLC, 2934 E. 55TH ST.
TEMPORARY 6 FOOT CHAIN LINK FENCING PLUS BARBED WIRE SHALL BE PROVIDED TO SECURE THE SITE. THE CONTRACTOR SHALL COORDINATE THE TEMPORARY FENCE LOCATION WITH THE PROPERTY OWNER. TEMPORARY FLEXIBLE PAVEMENT SHALL BE PROVIDED DURING CONSTRUCTION AS SPECIFIED IN THE PLANS.

RESTRICTIONS TO THE FIVE PARKING STALLS ON THE EAST SIDE OF THE SITE ALONG E. 55TH ST. SHALL BE LIMITED TO A MAXIMUM OF 60 DAYS DURING WHICH TIME A MINIMUM OF 12 PARKING STALLS SHALL BE MAINTAINED ON THE SITE. RECONFIGURE PARKING LOT WITH PERMANENT FLEXIBLE PARKING LOT PAVEMENT AS SPECIFIED IN THE PLANS.

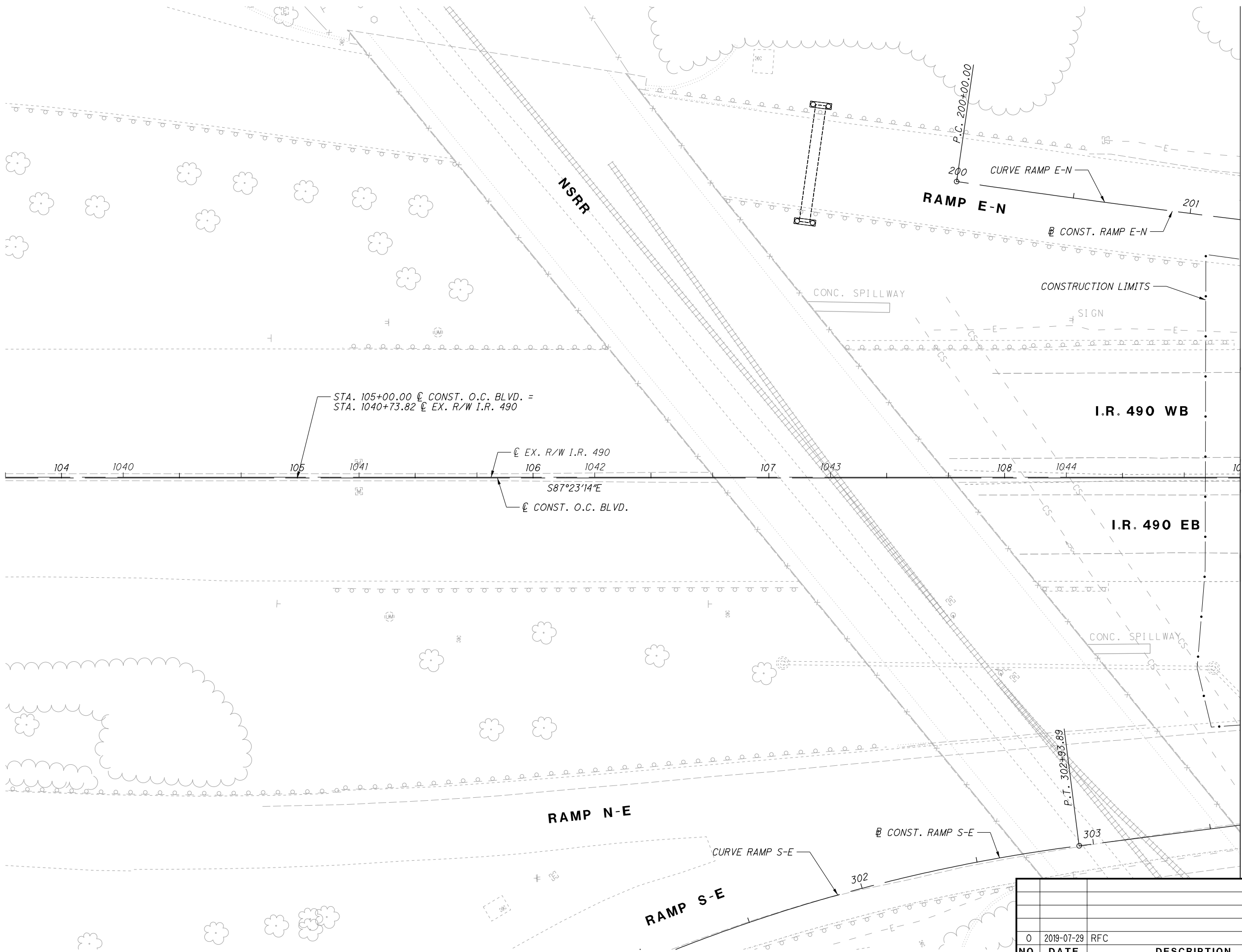
PARCEL 2005, GCRTA TRANSIT STATION, E. 55TH ST.
STORAGE OF MATERIALS, EQUIPMENT, OR OTHER ITEMS NON-ESSENTIAL TO THE WORK BEING PERFORMED AT PARCEL 2005 ARE PROHIBITED WITHIN THE EASEMENT. ESSENTIAL MATERIALS AND EQUIPMENT STORED WITHIN THE EASEMENT SHALL BE LOCATED IN SUCH A MANNER THAT THEY DO NOT IMPACT GCRTA OPERATIONS AND STATION ACCESS.

PARKING SHALL BE PROVIDED TO MAINTAIN PARKING THROUGHOUT CONSTRUCTION.

1	2020-02-17	DC033
0	2019-07-29	RFC
NO.	DATE	DESCRIPTION
ISSUE RECORD		

CURVE RAMP E-N
P.I. STA. 205+46.65
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 $Dc = 1^{\circ}00'00''$
 $R = 5729.58'$
 $T = 546.65'$
 $L = 1090.00'$
 $E = 26.02'$

CURVE RAMP S-E
P.I. STA. 301+49.04
 $\Delta = 23^{\circ}30'41''$
 $Dc = 8^{\circ}00'00''$
 $R = 716.20'$
 $T = 149.04'$
 $L = 293.89'$
 $E = 15.34'$



CALCULATED
JTH

CHECKED
SM

0 20 40

HORIZONTAL
SCALE IN FEET

PLAN - OPPORTUNITY CORRIDOR BLVD.
BEGIN PROJECT TO STA. 109+00.00

CUY-IR490/ SR010-
2.09 / 19.28

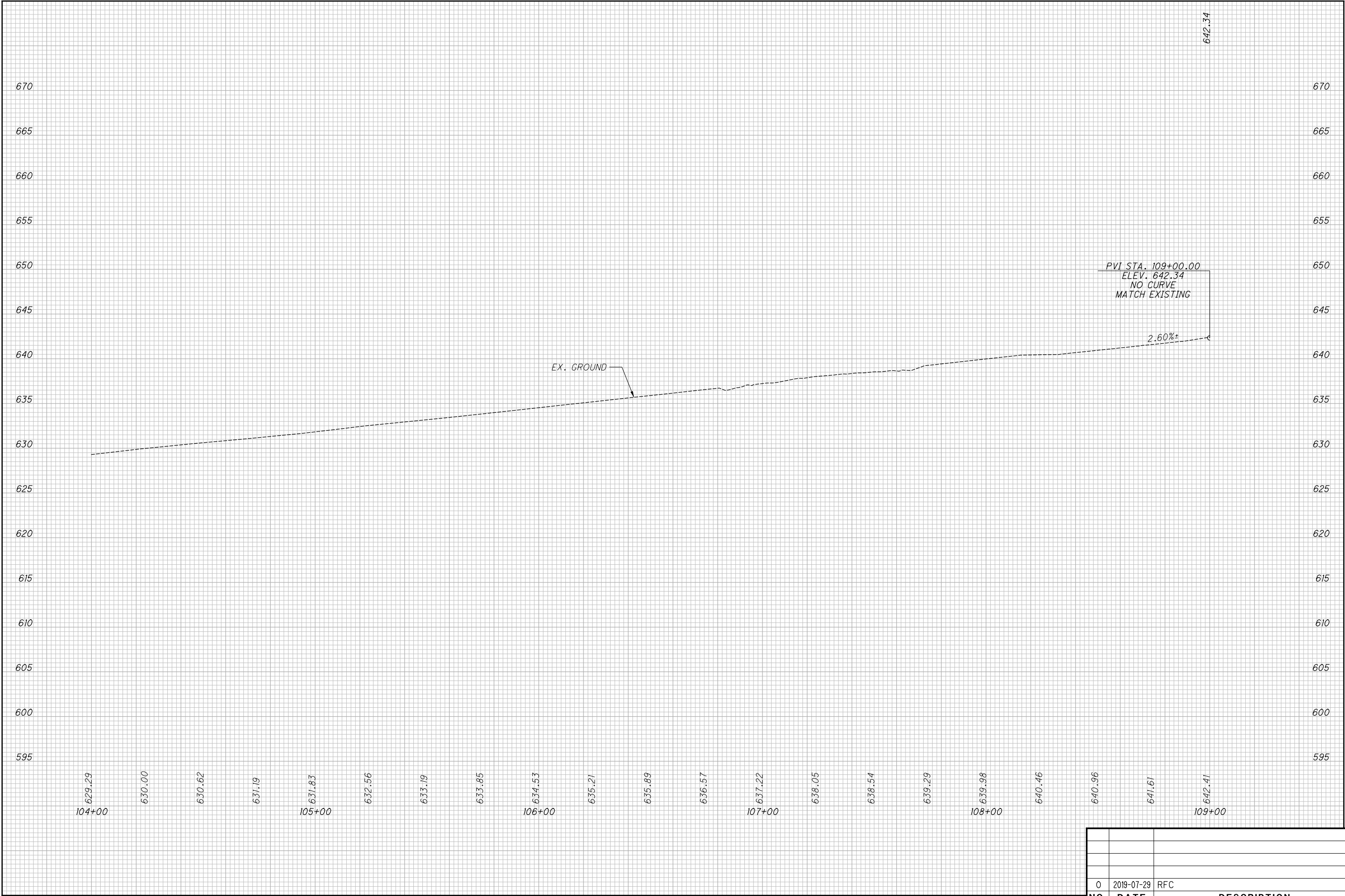
27
303

RECORD PLANS

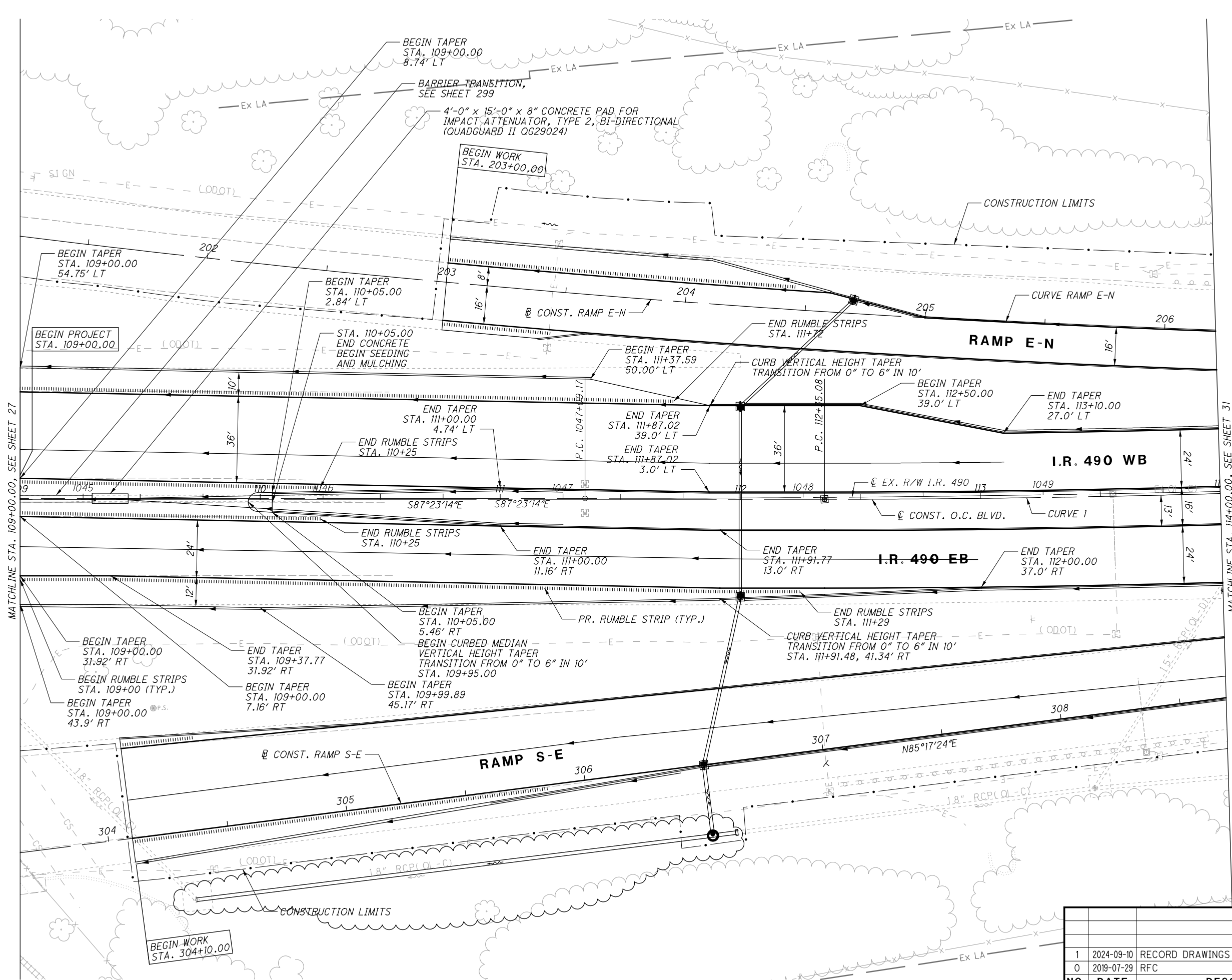
RECORD PLANS

RECORD PLANS

NO.	DATE	DESCRIPTION
0	2019-07-29	RFC
ISSUE RECORD		

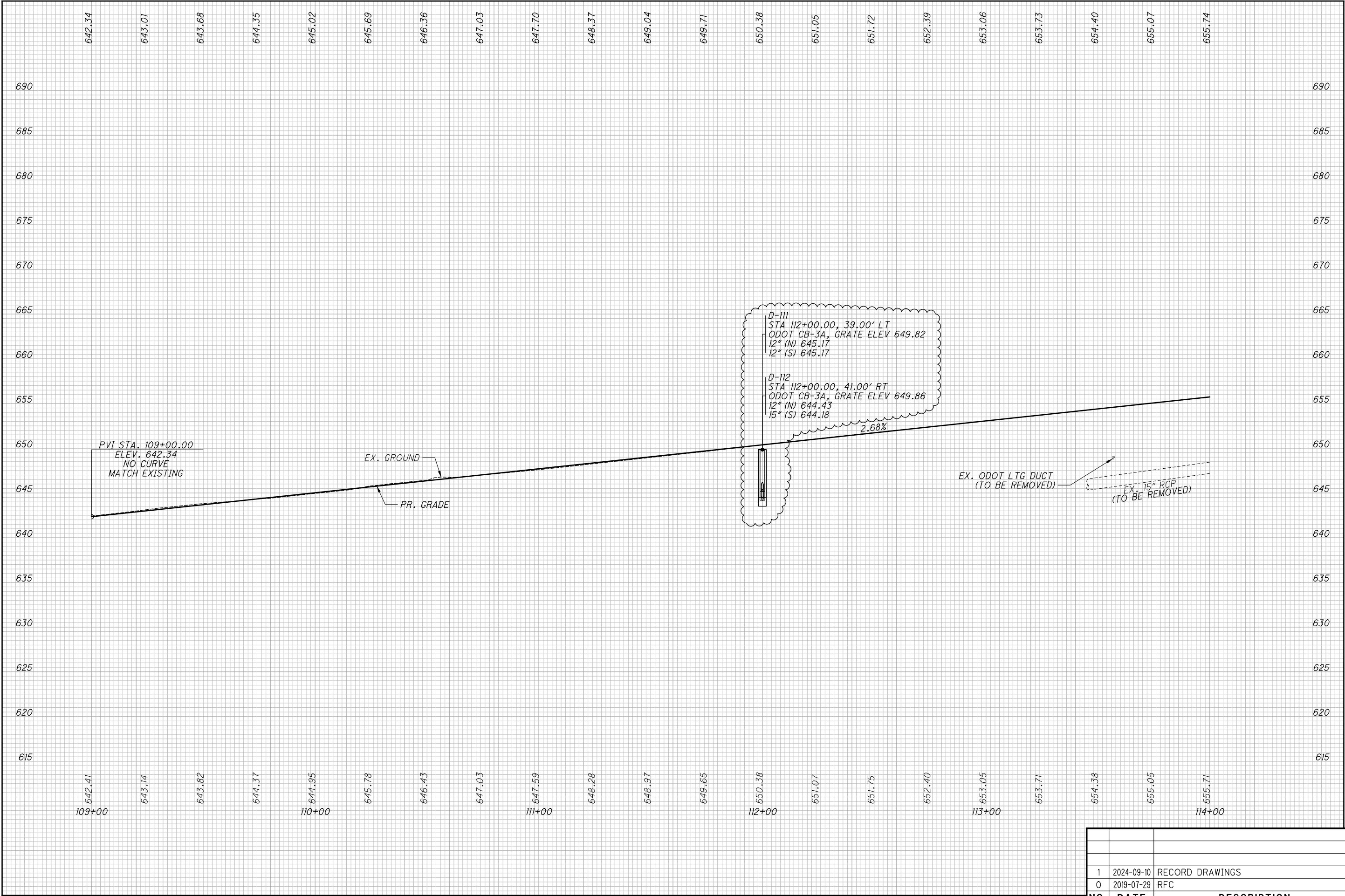


0	2019-07-29	RFC
NO.	DATE	DESCRIPTION
ISSUE RECORD		



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P.I. STA. 114+77.87
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 $T = 242.79'$
 $L = 485.29'$
 $E = 5.14'$

CURVE RAMP E-N
P.I. STA. 205+46.65
 $\Delta = 10^{\circ}54'00''$
 $Dc = 1^{\circ}00'00''$
 $R = 5729.58'$
 $T = 546.65'$
 $L = 1090.00'$
 $E = 26.02'$



ISSUE RECORD		
NO.	DATE	DESCRIPTION
1	2024-09-10	RECORD DRAWINGS
0	2019-07-29	RFC

CUY-IR490/ SR010-2.09 / 19.28

30
303

PROFILE - OPPORTUNITY CORRIDOR BLVD.

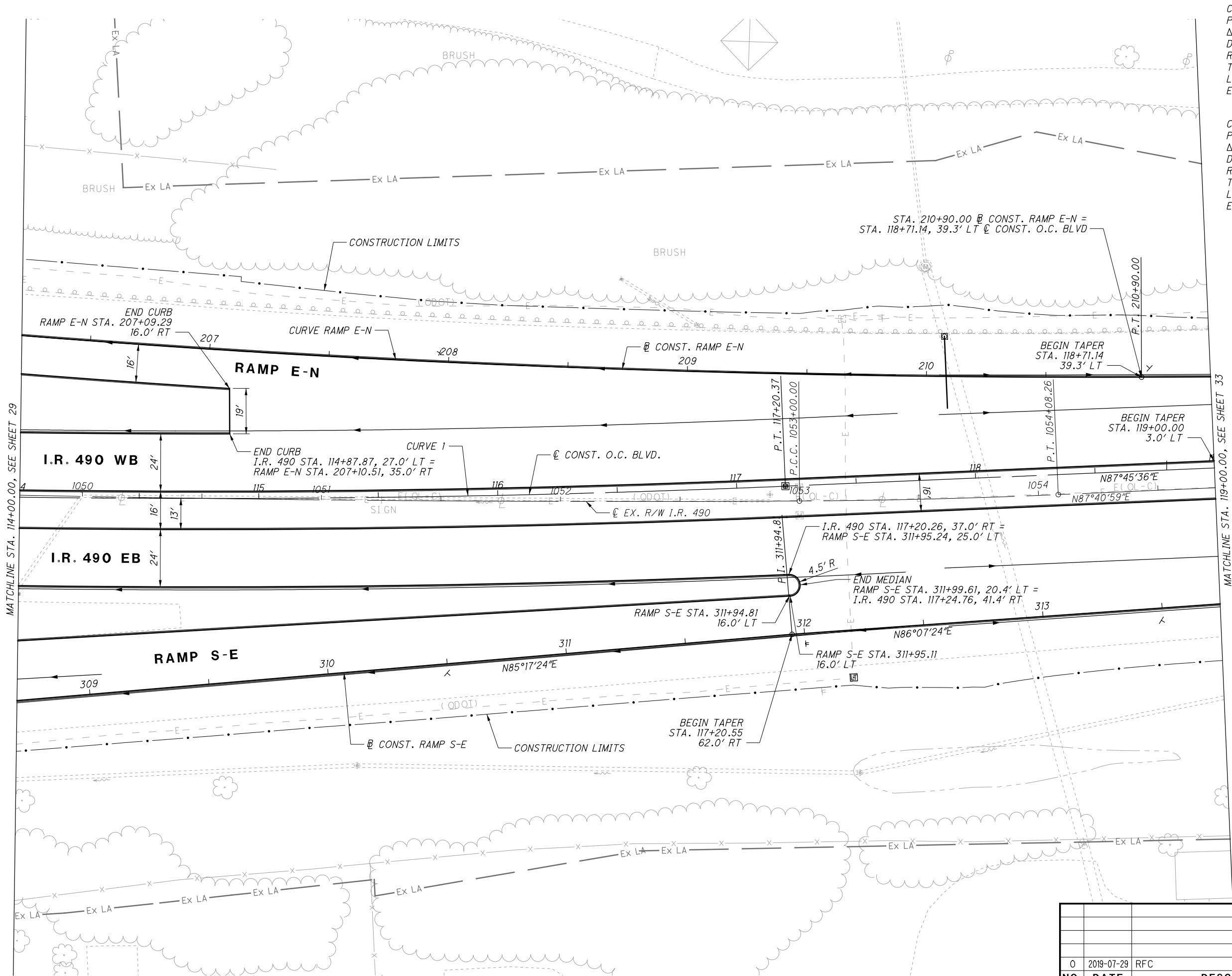
STA. 109+00.00 TO STA. 114+00.00

CALCULATED
JTH

CHECKED
SM

RECORD PLANS

RECORD PLANS



CURVE 1
P.I. STA. 114+77.87
Δ = 4°51'10"
Dc = 1°00'00"
R = 5729.58'
T = 242.79'
L = 485.29'
E = 5.14'

CURVE RAMP E-N
P.I. STA. 205+46.65
Δ = 10°54'00"
Dc = 1°00'00"
R = 5729.58'
T = 546.65'
L = 1090.00'
E = 26.02'

PLAN - OPPORTUNITY CORRIDOR BLVD.
STA. 114+00.00 TO STA. 119+00.00

CALCULATED JTH
CHECKED SM

RECORD PLANS

CUY-IR490/ SR010-
2.09 / 19.28

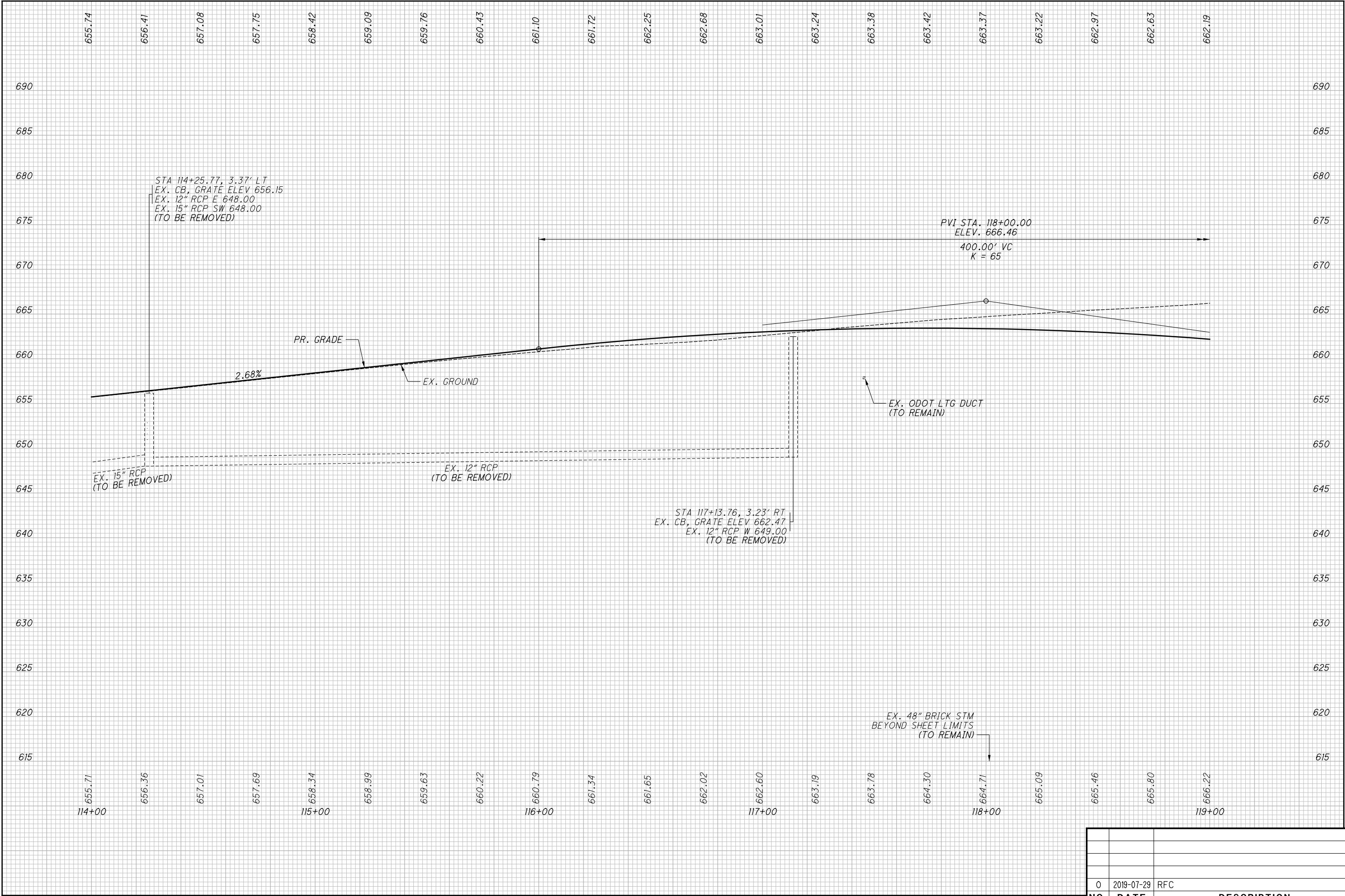
RECORD PLANS

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303

NO. DATE DESCRIPTION

ISSUE RECORD

0	2019-07-29	RFC
NO.	DATE	DESCRIPTION
ISSUE RECORD		



0	2019-07-29	RFC
NO.	DATE	DESCRIPTION
ISSUE RECORD		

CUY-IR490/ SR010-2.09 / 19.28

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303

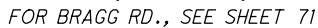
PROFILE - OPPORTUNITY CORRIDOR BLVD.
STA. 114+00.00 TO STA. 119+00.00

RECORD PLANS

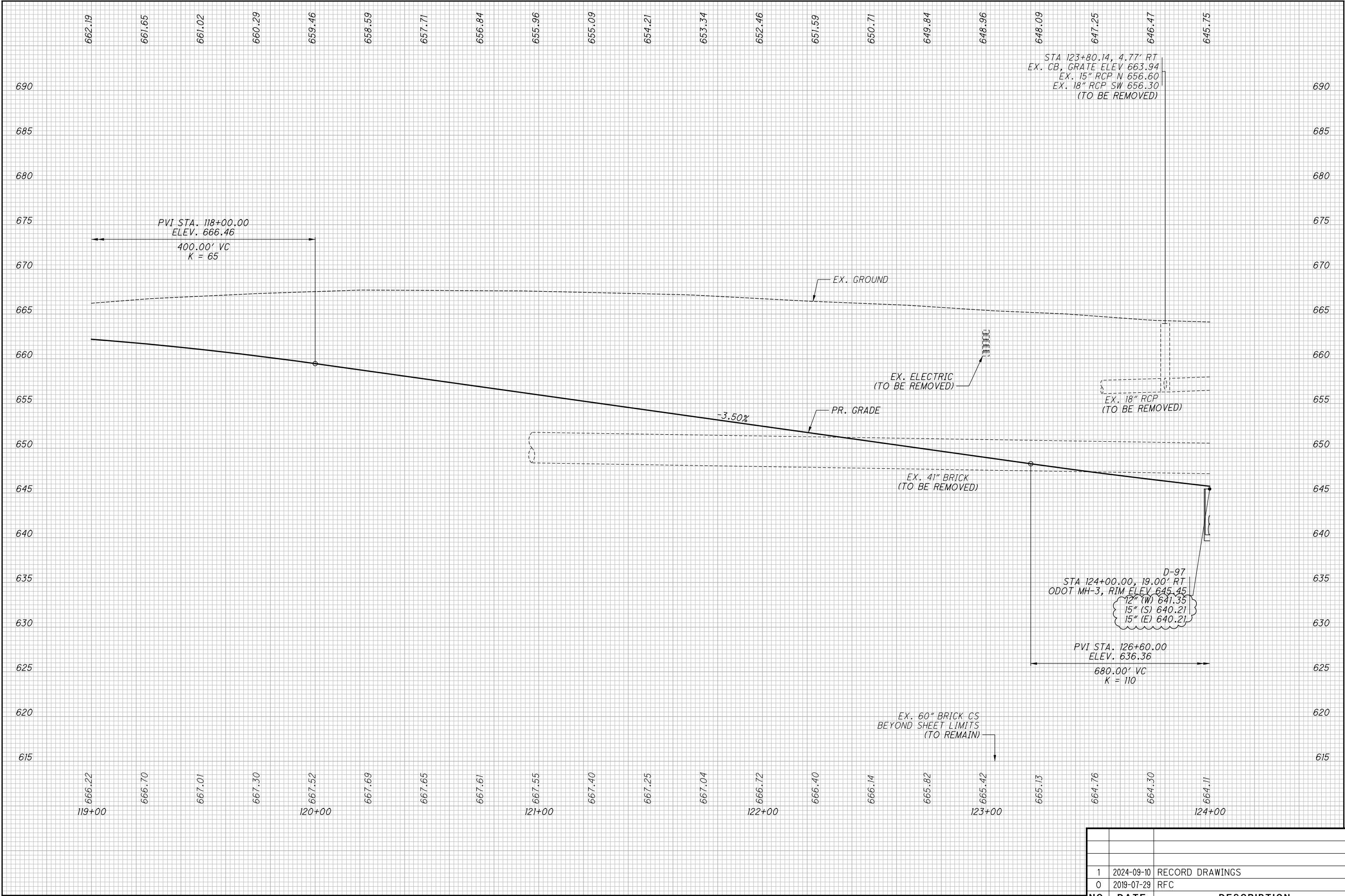
CALCULATED
JTH

CHECKED
SM

RECORD PLANS



1	2024-09-10	RECORD DRAWINGS
0	2019-07-29	RFC
NO	DATE	DESCRIPTION



ISSUE RECORD		
NO.	DATE	DESCRIPTION
1	2024-09-10	RECORD DRAWINGS
0	2019-07-29	RFC

CUY-IR490/ SR010-2.09 / 19.28

34
303

PROFILE - OPPORTUNITY CORRIDOR BLVD.

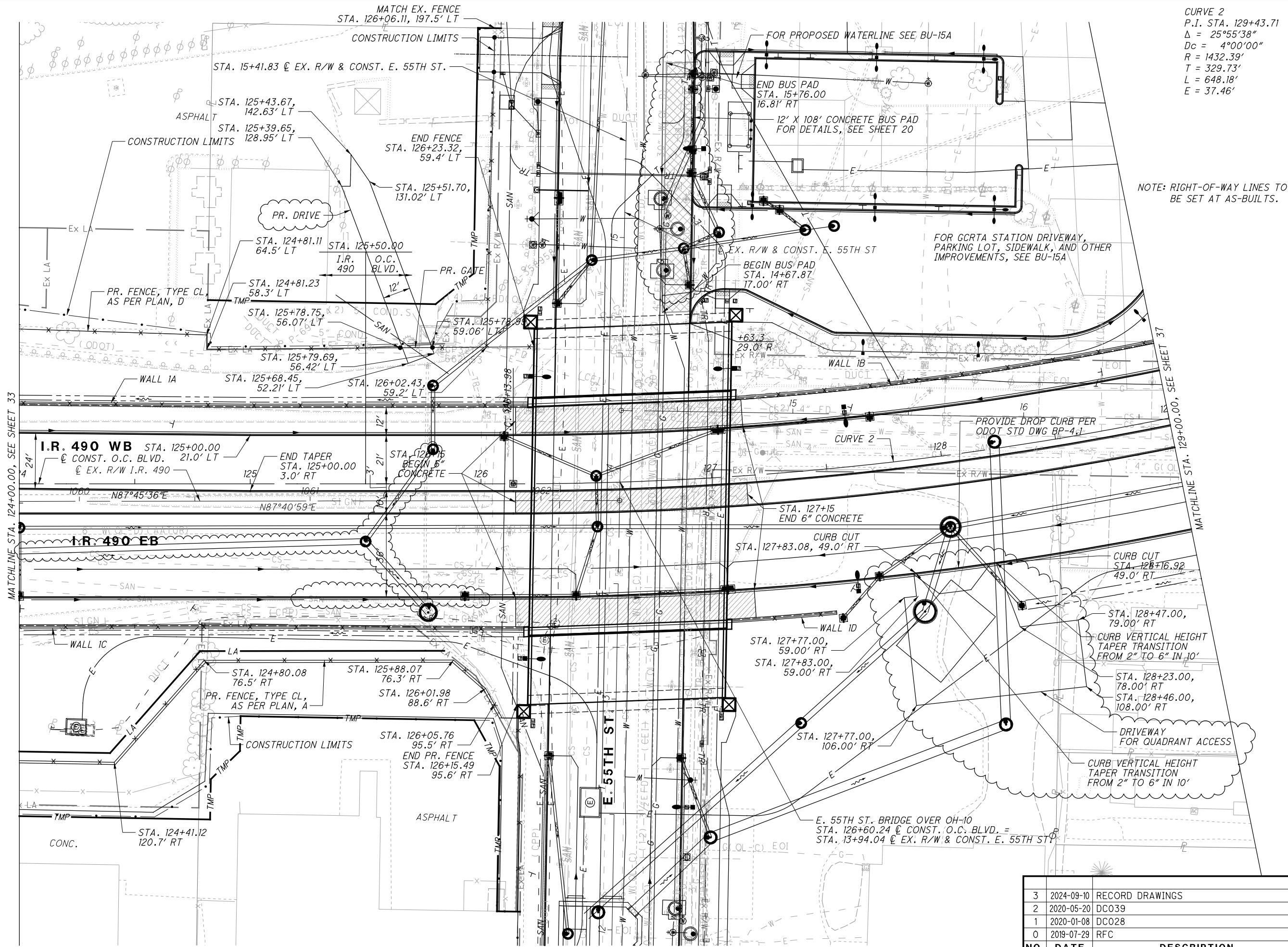
STA. 119+00.00 TO STA. 124+00.00

RECORD PLANS

RECORD PLANS

CALCULATED
JTH

CHECKED
SM



CURVE 2
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 $R = 1432.39'$
 $T = 329.73'$
 $L = 648.18'$
 $E = 37.46'$

NOTE: RIGHT-OF-WAY LINES TO BE SET AT AS-BUILTS.

PLAN - OPPORTUNITY CORRIDOR BLVD.
STA. 124+00.00 TO STA. 129+00.00

CUY-IR490/ SR010-
2.09 / 19.28

35
303

RECORD PLANS

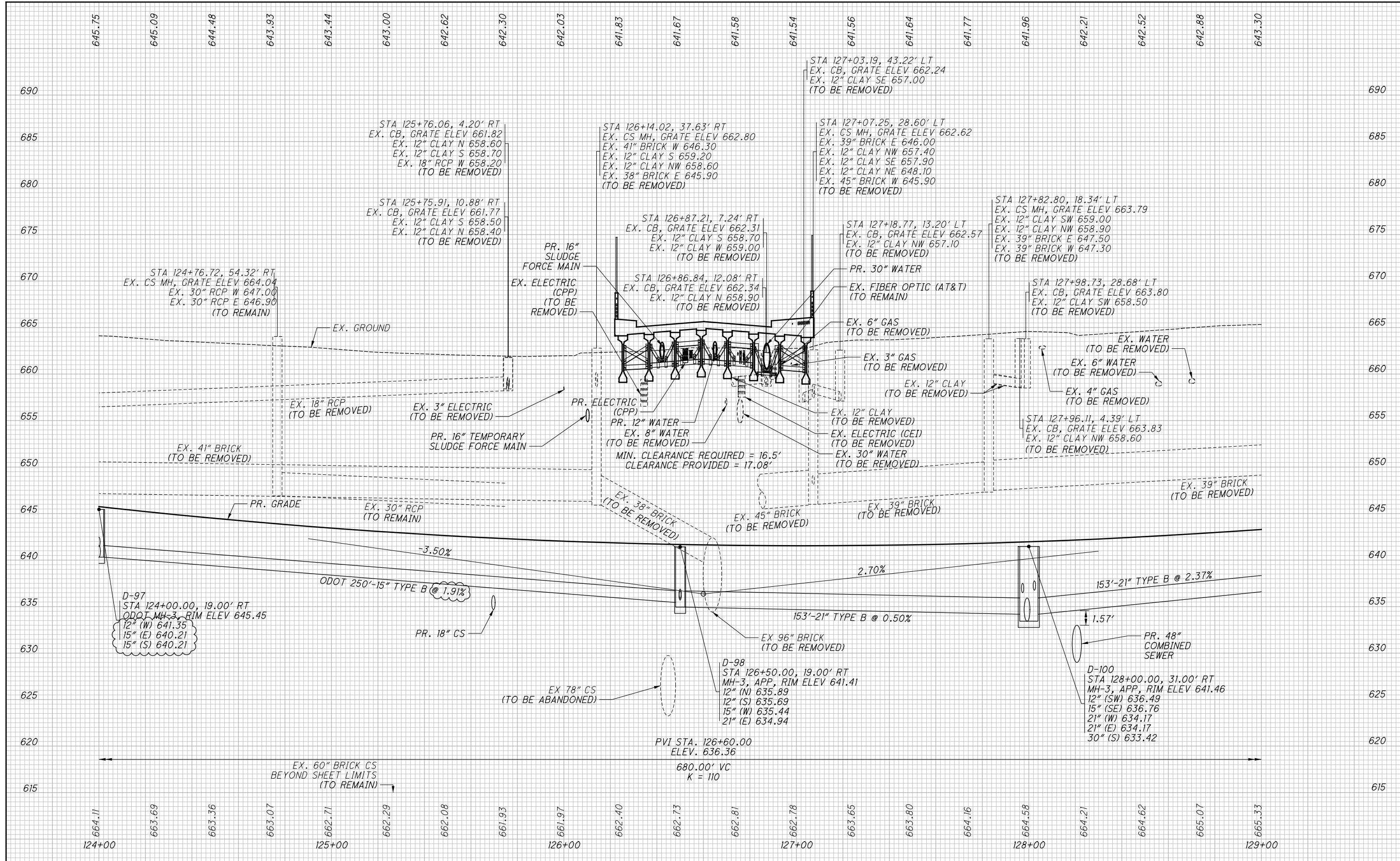
RECORD PLANS

RECORD PLANS

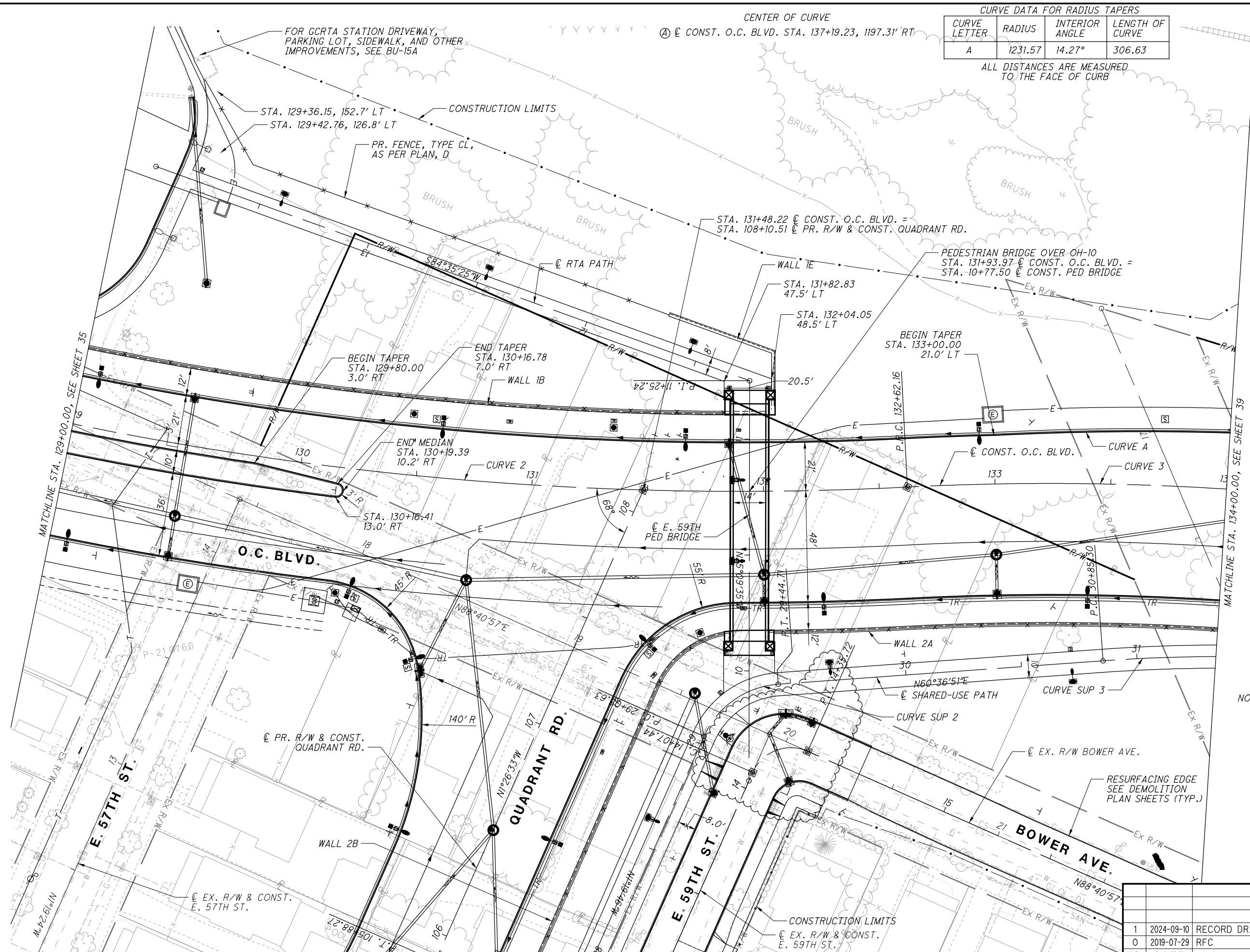
NO.	DATE	DESCRIPTION
3	2024-09-10	RECORD DRAWINGS
2	2020-05-20	DC039
1	2020-01-08	DC028
0	2019-07-29	RFC

CALCULATED
JTH

CHECKED
SM



NO.	DATE	DESCRIPTION
1	2024-09-10	RECORD DRAWINGS
0	2019-07-29	RFC



CURVE DATA FOR RADIUS TAPERS			
CURVE LETTER	RADIUS	INTERIOR ANGLE	LENGTH OF CURVE
A	1231.57	14.27°	306.63

ALL DISTANCES ARE MEASURED
TO THE FACE OF CURB

CURVE 2
P.I. STA. 129+43.71
 $\Delta = 25^{\circ}55'38''$
 $D_c = 4^{\circ}00'00''$
 $R = 1432.39'$
 $T = 329.73'$
 $L = 648.18'$
 $E = 37.46'$

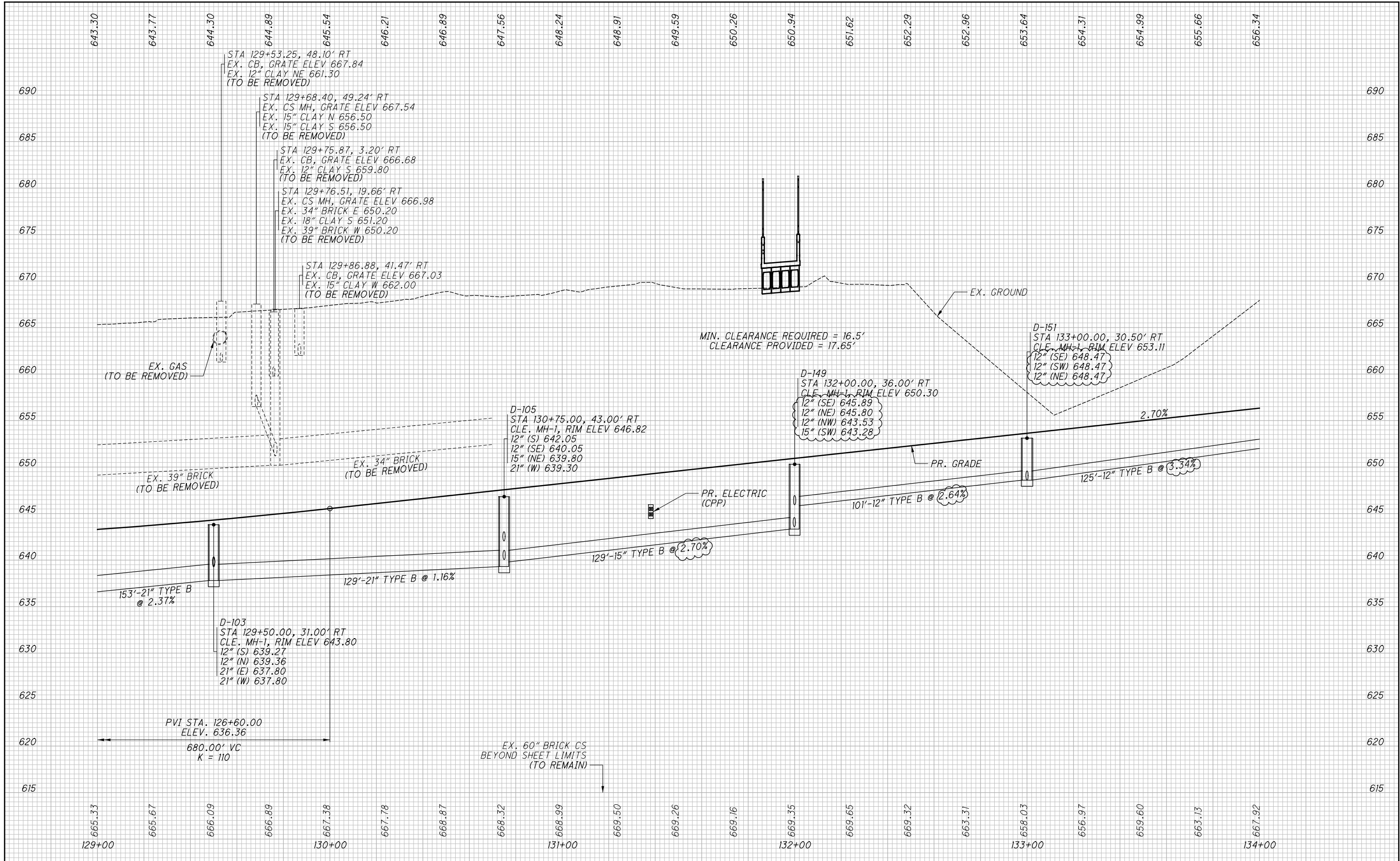
CURVE 3
P.I. STA. 134+73.16
 $\Delta = 19^{\circ}50'40''$
 $D_c = 4^{\circ}45'00''$
 $R = 1206.23'$
 $T = 211.00'$
 $L = 417.78'$
 $E = 18.32'$

CURVE SUP 2
P.I. STA. 29+26.31
 $\Delta = 61^{\circ}39'20''$
 $D_c = 150^{\circ}46'42''$
 $R = 38.00'$
 $T = 22.68'$
 $L = 40.89'$
 $E = 6.25'$

CURVE SUP 3
P.I. STA. 31+63.80
 $\Delta = 13^\circ 45' 55''$
 $D_c = 8^\circ 11' 06''$
 $R = 700.00'$
 $T = 84.49'$
 $L = 168.18'$
 $E = 5.08'$

NOTE: RIGHT-OF-WAY LINES TO
BE SET AT AS-BUILTS.

1	2024-09-10	RECORD DRAWINGS
0	2019-07-29	RFC
NO.	DATE	DESCRIPTION
ISSUE RECORD		

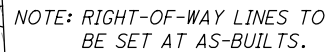


NO.	DATE	DESCRIPTION
1	2024-09-10	RECORD DRAWINGS
0	2019-07-29	RFC
ISSUE RECORD		

CUY-IR490/ SR010-
2.09 / 19.28
PROFILE - OPPORTUNITY CORRIDOR BLVD.
STA. 129+00.00 TO STA. 134+00.00

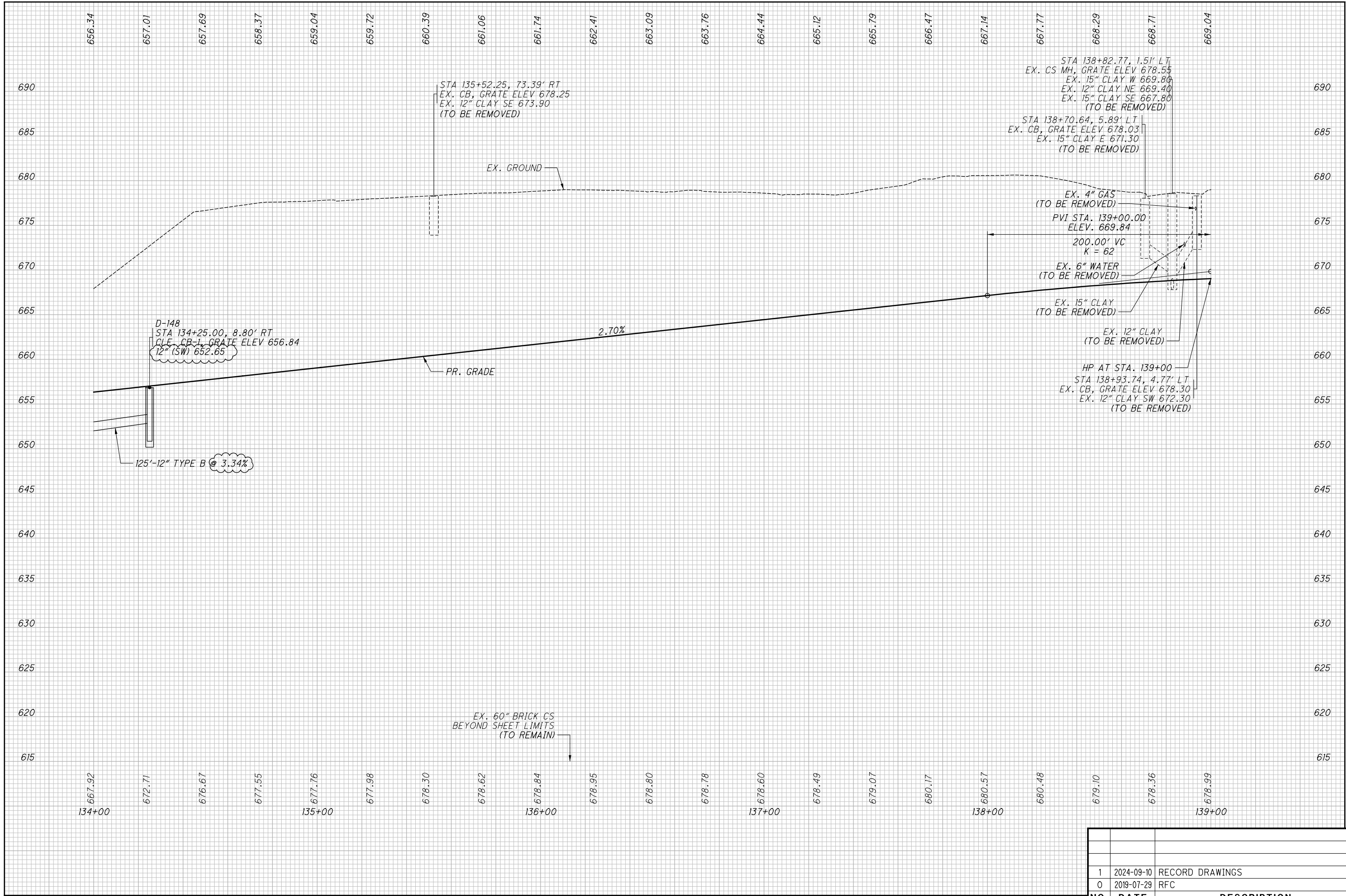
CALCULATED
JTH
CHECKED
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RECORD PLANS
RECORD PLANS



1	2024-09-10	RECORD DRAWINGS
0	2019-07-29	RFC
NO.	DATE	DESCRIPTION
ISSUE RECORD		

CURVE SUP 4
P.I. STA. 37+35.22
 $\Delta = 30^\circ 57' 45''$
 $Dc = 14^\circ 19' 26''$
 $R = 400.00'$
 $T = 110.79'$
 $L = 216.16'$
 $E = 15.06'$



NO.	DATE	DESCRIPTION
1	2024-09-10	RECORD DRAWINGS
0	2019-07-29	RFC
ISSUE RECORD		

PROFILE - OPPORTUNITY CORRIDOR BLVD.

STA. 134+00.00 TO STA. 139+00.00

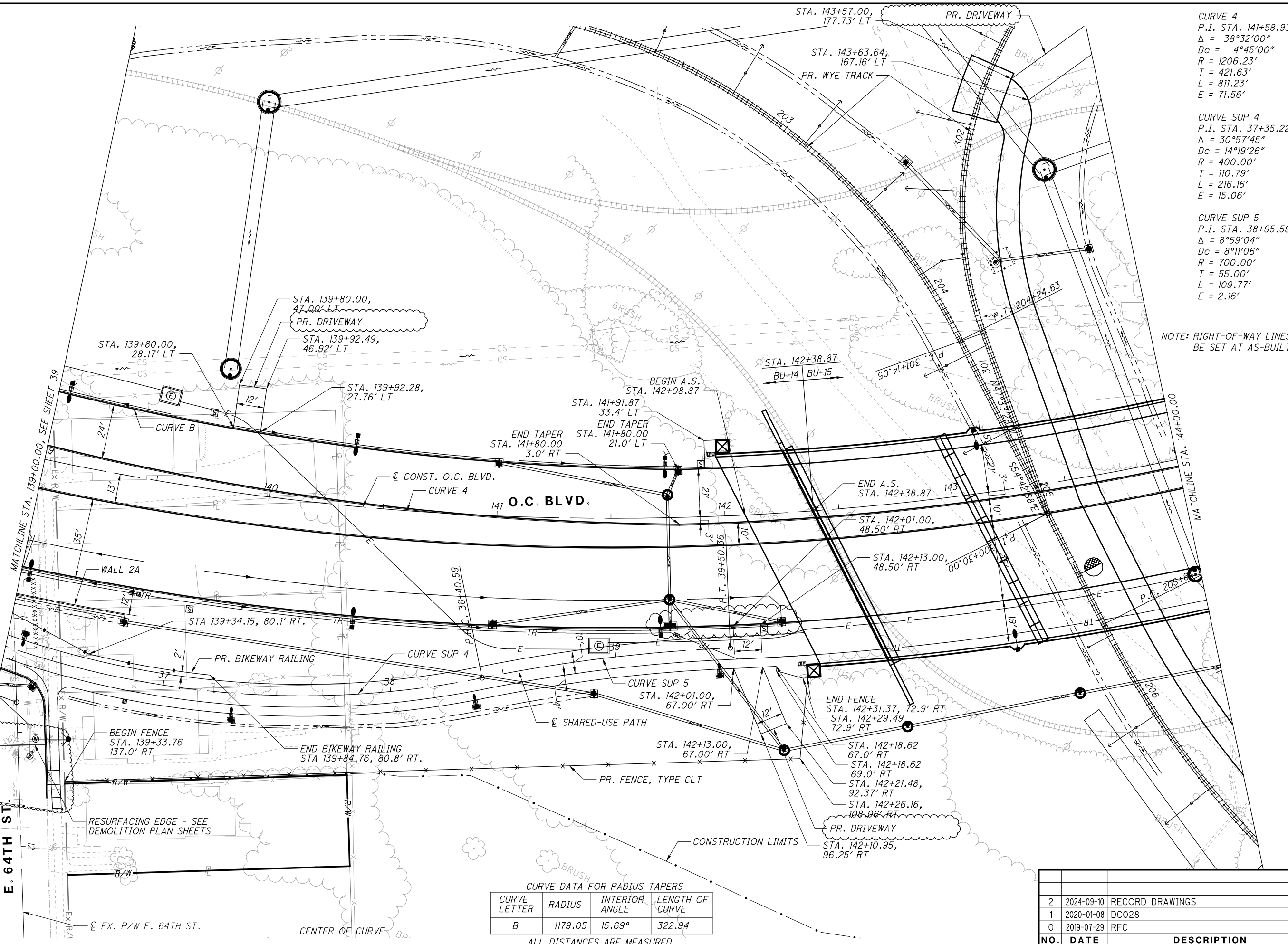
CALCULATED	JTH
CHECKED	SM

CUY-IR490/ SR010-2.09 / 19.28

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RECORD PLANS

RECORD PLANS



CURVE LETTER	RADIUS	INTERIOR ANGLE	LENGTH OF CURVE
B	1179.05	15.69°	322.94

ALL DISTANCES ARE MEASURED
TO THE FACE OF CURB

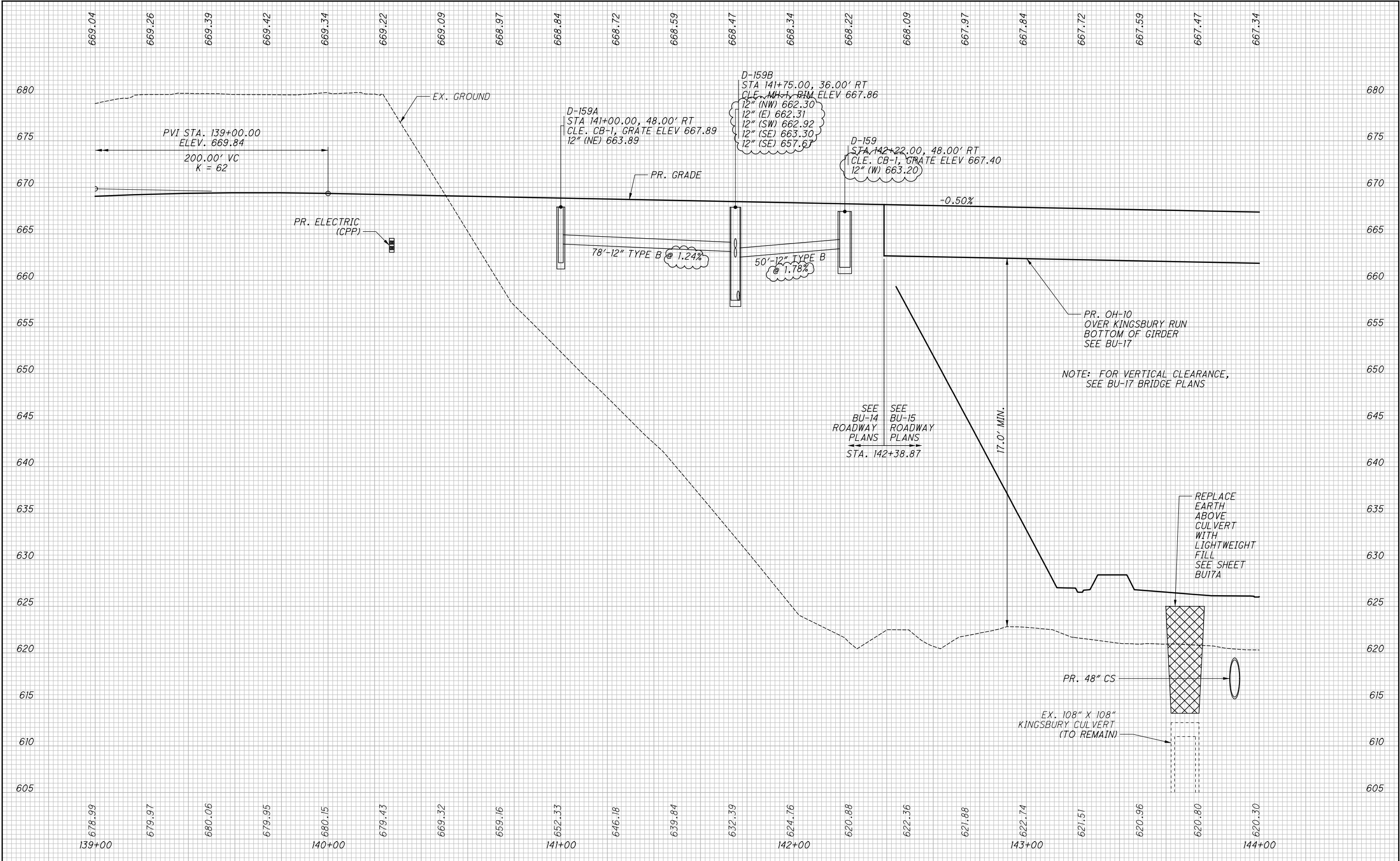
2	2024-09-10	RECORD DRAWINGS
1	2020-01-08	DC028
0	2019-07-29	RFC
NO.	DATE	DESCRIPTION
ISSUE RECORD		

NOTE: RIGHT-OF-WAY LINES TO
BE SET AT AS-BUILTS.

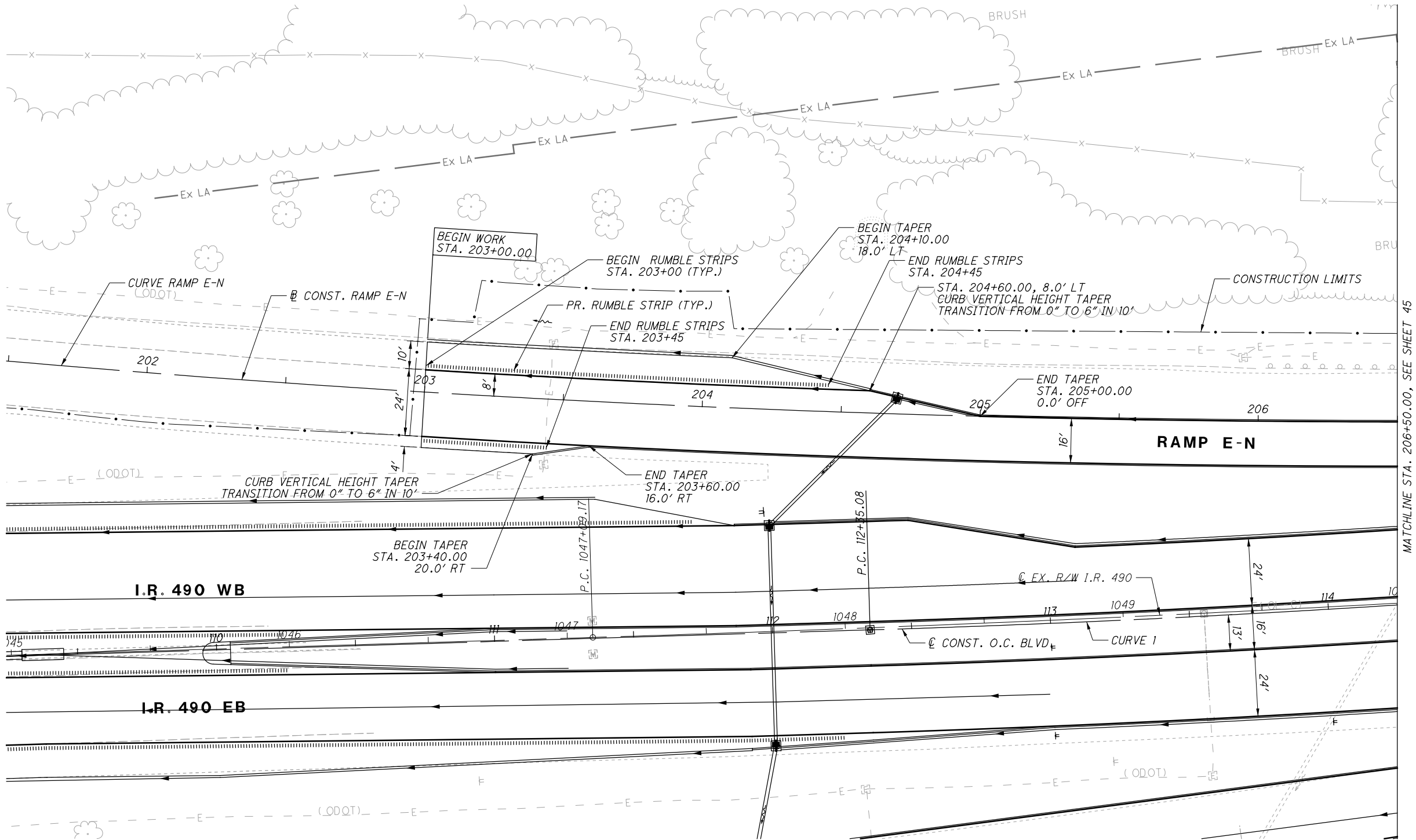
CURVE 4
P.I. STA. 141+58.93
 $\Delta = 38^{\circ}32'00''$
 $D_c = 4^{\circ}45'00''$
 $R = 1206.23'$
 $T = 421.63'$
 $L = 811.23'$
 $E = 71.56'$

CURVE SUP 4
P.I. STA. 37+35.22
 $\Delta = 30^{\circ}57'45''$
 $D_c = 14^{\circ}19'26''$
 $R = 400.00'$
 $T = 110.79'$
 $L = 216.16'$
 $E = 15.06'$

CURVE SUP 5
P.I. STA. 38+95.59
 $\Delta = 8^{\circ}59'04''$
 $D_c = 8^{\circ}11'06''$
 $R = 700.00'$
 $T = 55.00'$
 $L = 109.77'$
 $E = 2.16'$



NO.	DATE	DESCRIPTION
1	2024-09-10	RECORD DRAWINGS
0	2019-07-29	RFC



CURVE RAMP E-N
P.I. STA. 205+46.65
Δ = 10°54'00"
Dc = 1°00'00"
R = 5729.58'
T = 546.65'
L = 1090.00'
E = 26.02'

CURVE 1
P.I. STA. 114+77.87
Δ = 4°51'10"
Dc = 1°00'00"
R = 5729.58'
T = 242.79'
L = 485.29'
E = 5.14'

CALCULATED
JTH

CHECKED
SM

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HORIZONTAL
SCALE IN FEET

PLAN - RAMP E-N
BEGIN TO STA. 206+50.00

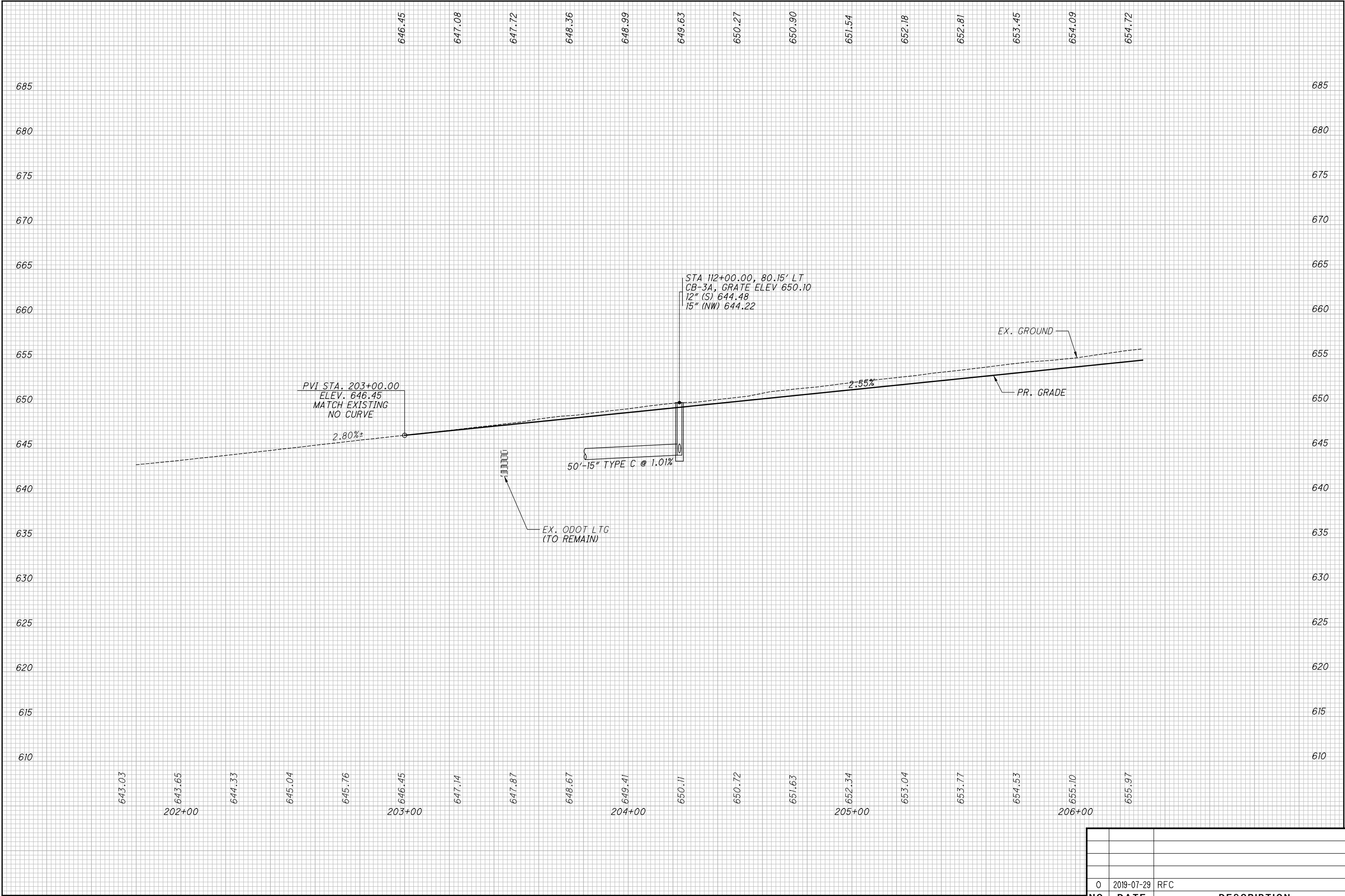
CUY-IR490/ SR010-
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NO.	DATE	DESCRIPTION
0	2019-07-29	RFC
ISSUE RECORD		

RECORD PLANS

RECORD PLANS



0	2019-07-29	RFC
NO.	DATE	DESCRIPTION
ISSUE RECORD		

CUY-IR490/ SR010-2.09 / 19.28

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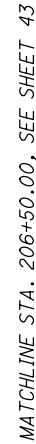
PROFILE - RAMP E-N
BEGIN TO STA. 206+50.00

RECORD PLANS

CALCULATED
JTH

CHECKED
SM

RECORD PLANS



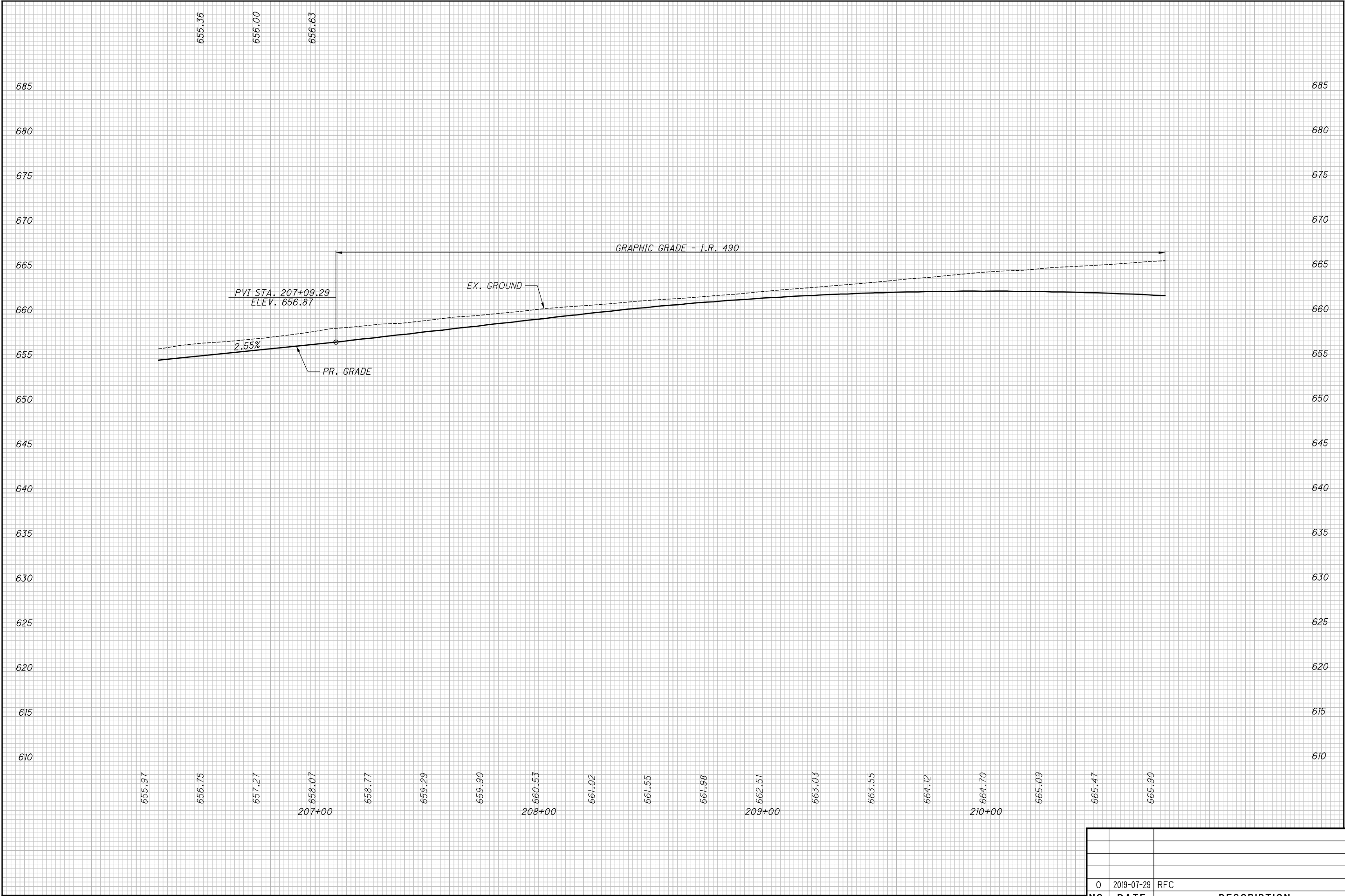
CURVE 1
P.I. STA. 114+77.87
 $\Delta = 4^{\circ}51'10''$
 $D_c = 1^{\circ}00'00''$
 $R = 5729.58'$
 $T = 242.79'$
 $L = 485.29'$
 $E = 5.14'$



PLAN - RAMP E-N
STA. 206+50.00 TO END
RECORD PLANS



0	2019-07-29	RFC
NO.	DATE	DESCRIPTION
ISSUE RECORD		



CALCULATED
JTH

CHECKED
SM

PROFILE - RAMP E-N
STA. 206+50.00 TO END

CUY-IR490/ SR010-
2.09 / 19.28

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RECORD PLANS

RECORD PLANS

CURVE RAMP S-E
P.I. STA. 301+49.04
 $\Delta = 23^{\circ}30'41''$
 $Dc = 8^{\circ}00'00''$
 $R = 716.20'$
 $T = 149.04'$
 $L = 293.89'$
 $E = 15.34'$

CALCULATED
JTH

CHECKED
SM

0 20 40

HORIZONTAL
SCALE IN FEET

RECORD PLANS

PLAN - RAMP S-E

BEGIN TO STA. 305+00.00

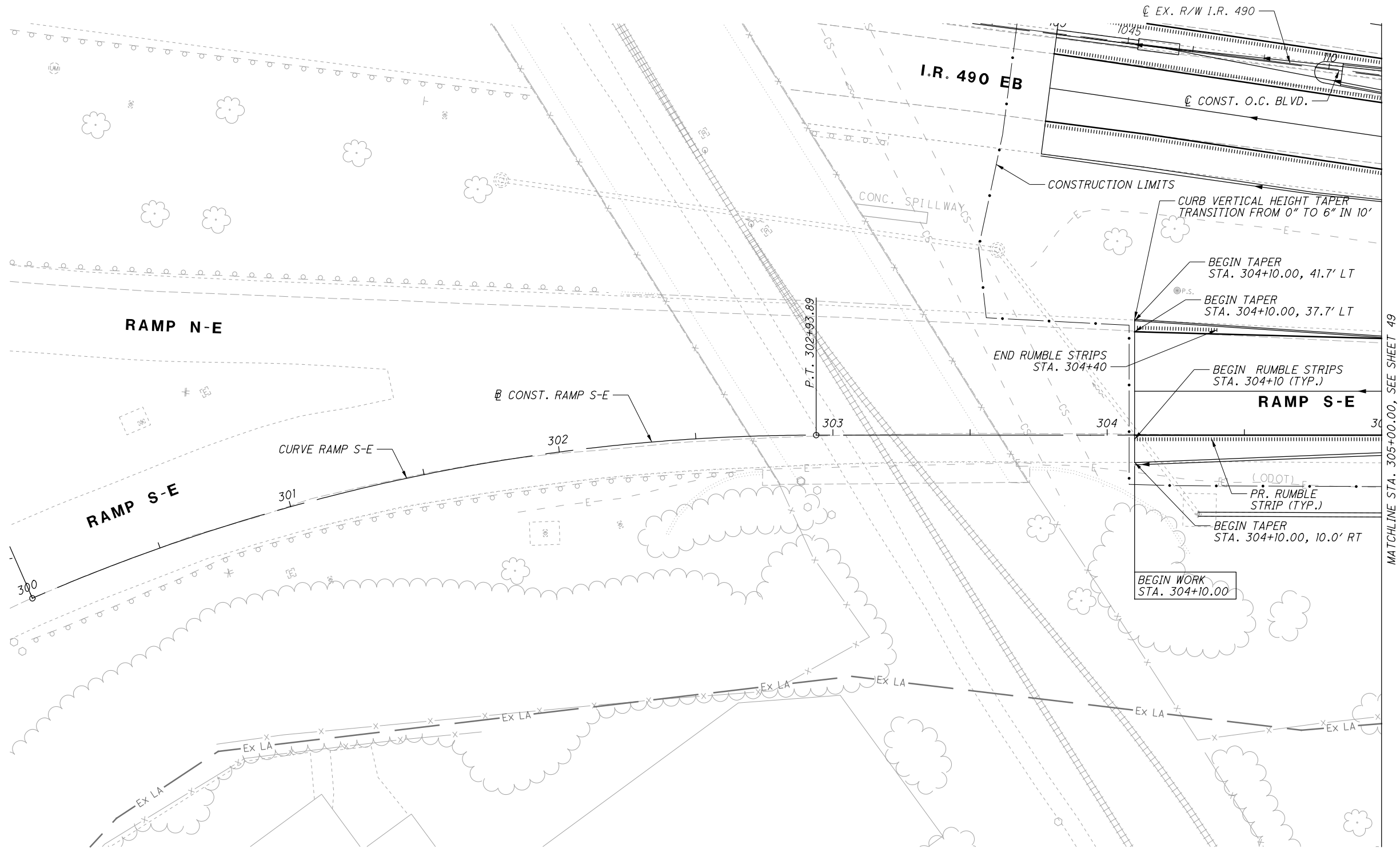
RECORD PLANS

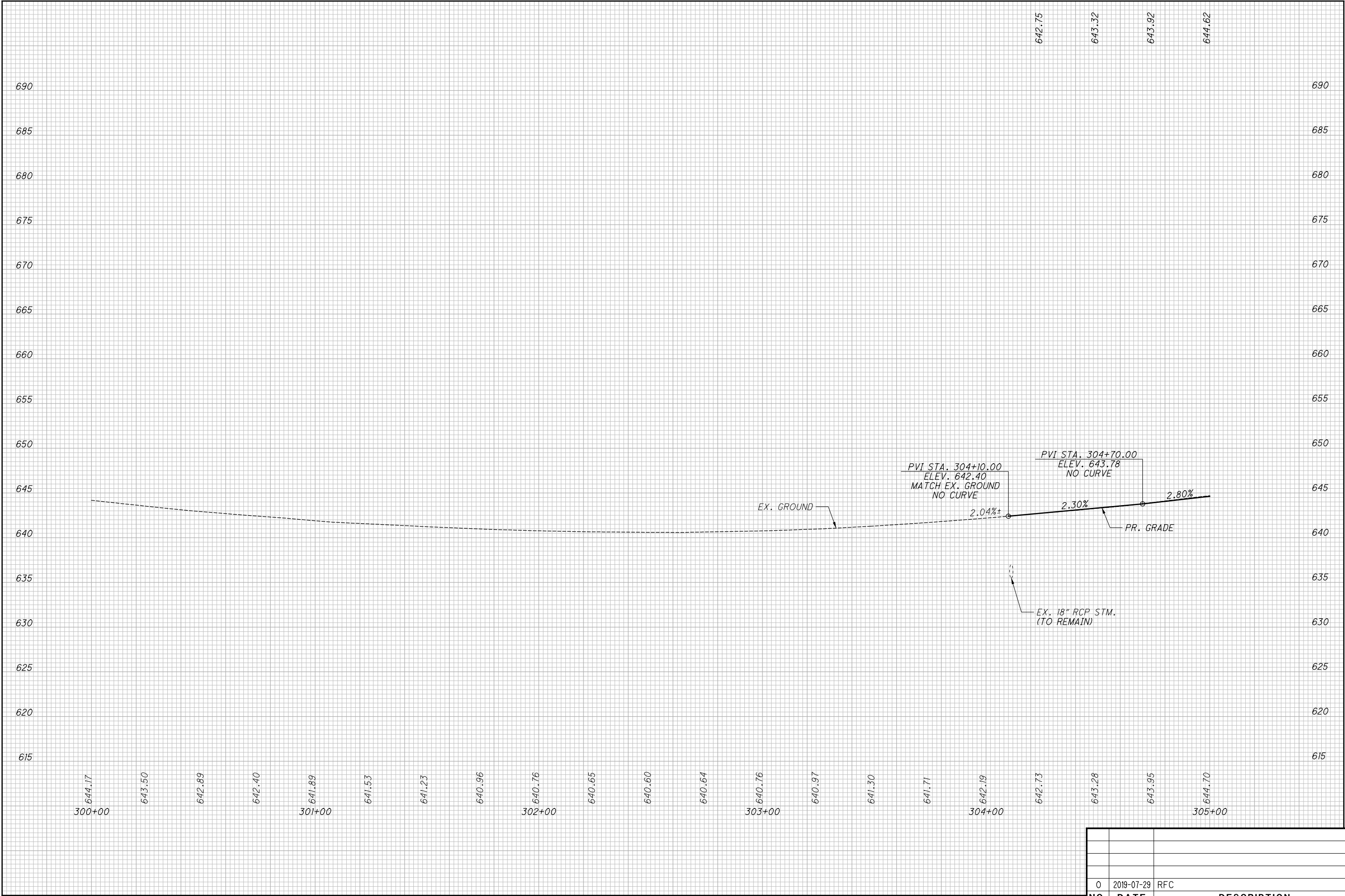
CUY-IR490/ SR010-

2.09 / 19.28

RECORD PLANS

NO.	DATE	DESCRIPTION
0	2019-07-29	RFC
ISSUE RECORD		





0	2019-07-29	RFC
NO.	DATE	DESCRIPTION
ISSUE RECORD		

CUY-IR490/ SR010-2.09 / 19.28

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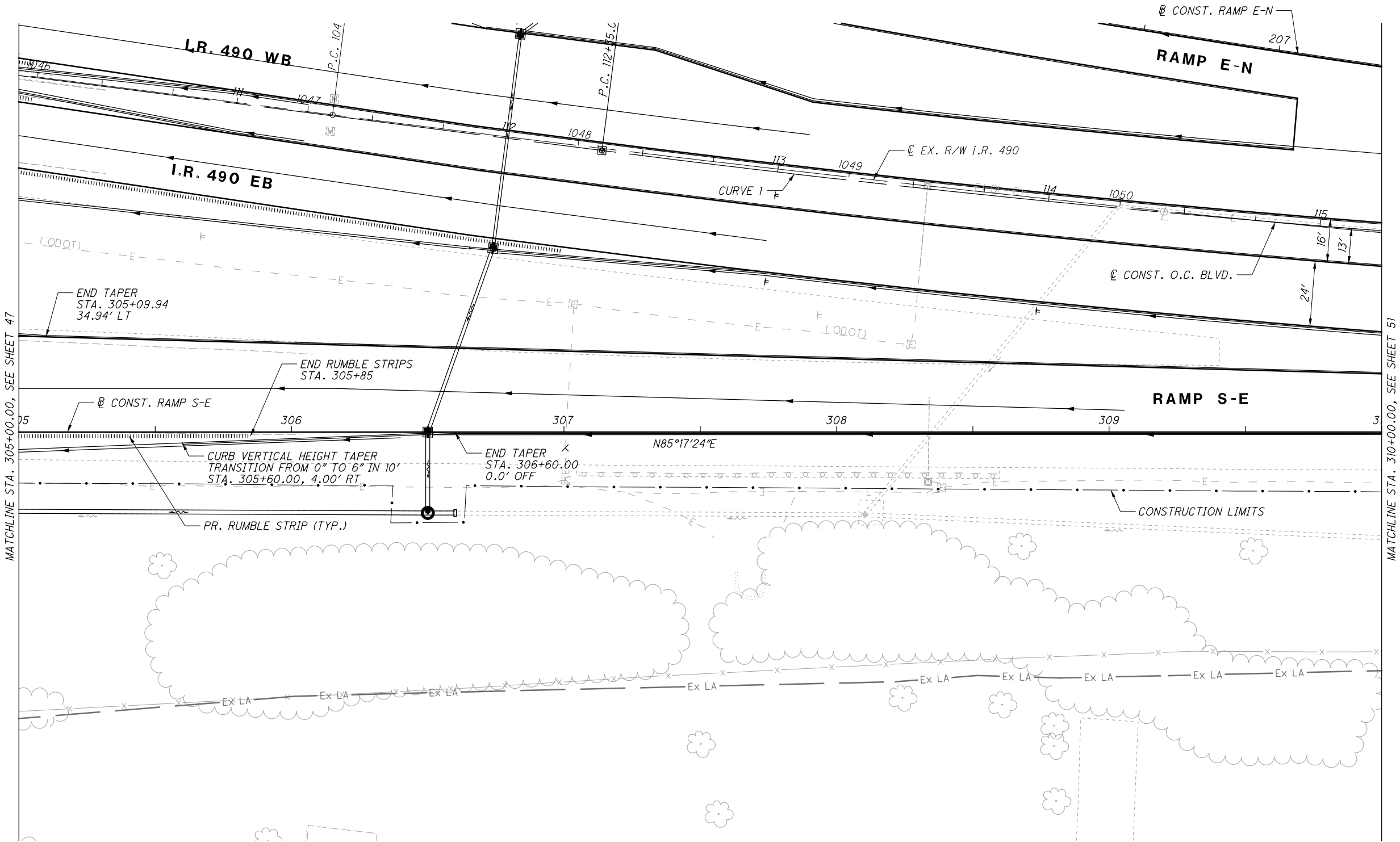
PROFILE - RAMP S-E
BEGIN TO STA. 305+00.00

RECORD PLANS

CALCULATED
JTH

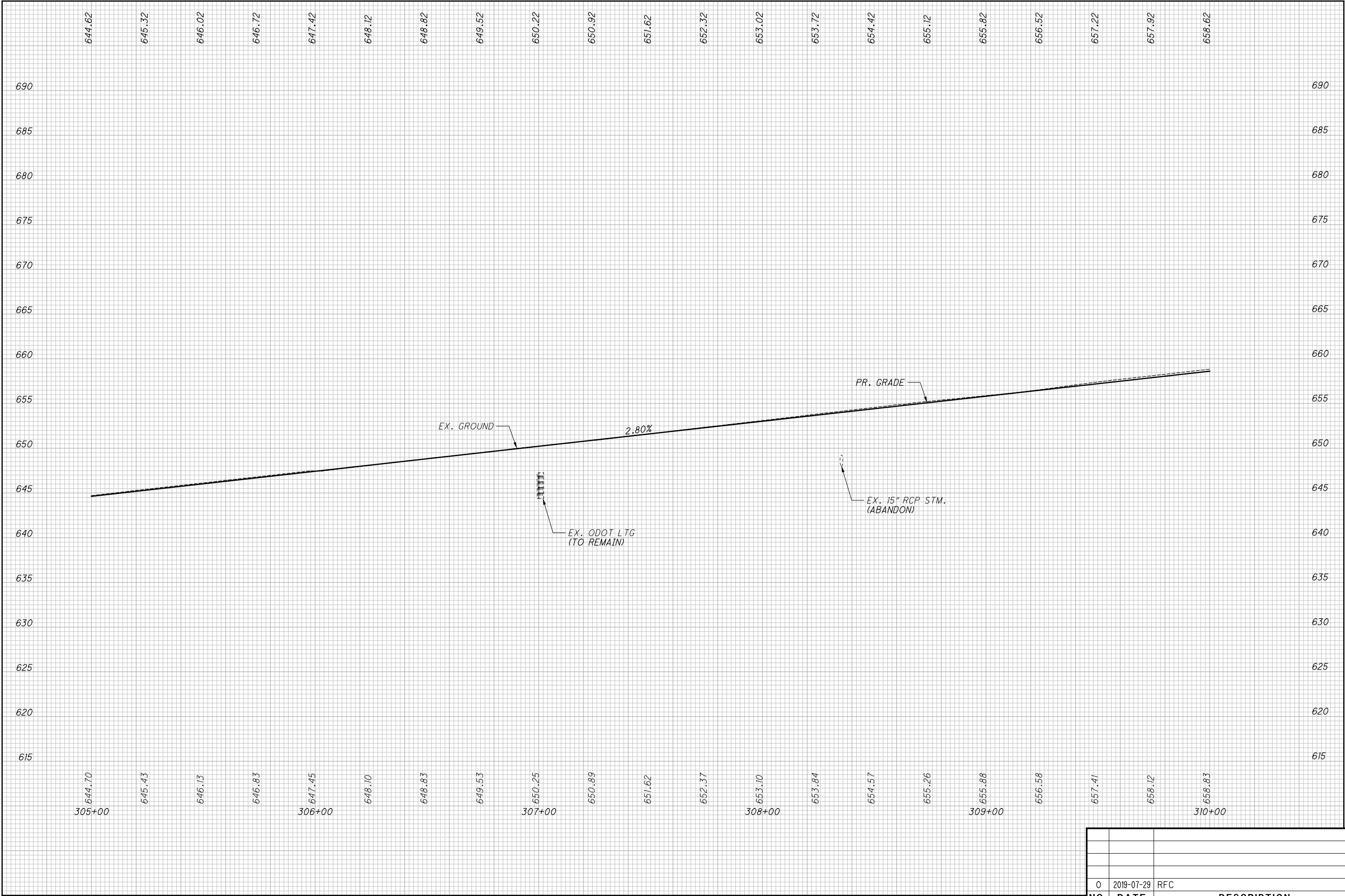
CHECKED
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RECORD PLANS



CURVE 1
P.I. STA. 114+77.87
 $\Delta = 4^{\circ}51'10''$
 $Dc = 1^{\circ}00'00''$
 $R = 5729.58'$
 $T = 242.79'$
 $L = 485.29'$
 $E = 5.14'$

0	2019-07-29	RFC
NO.	DATE	DESCRIPTION
ISSUE RECORD		



0	2019-07-29	RFC
NO.	DATE	DESCRIPTION
ISSUE RECORD		

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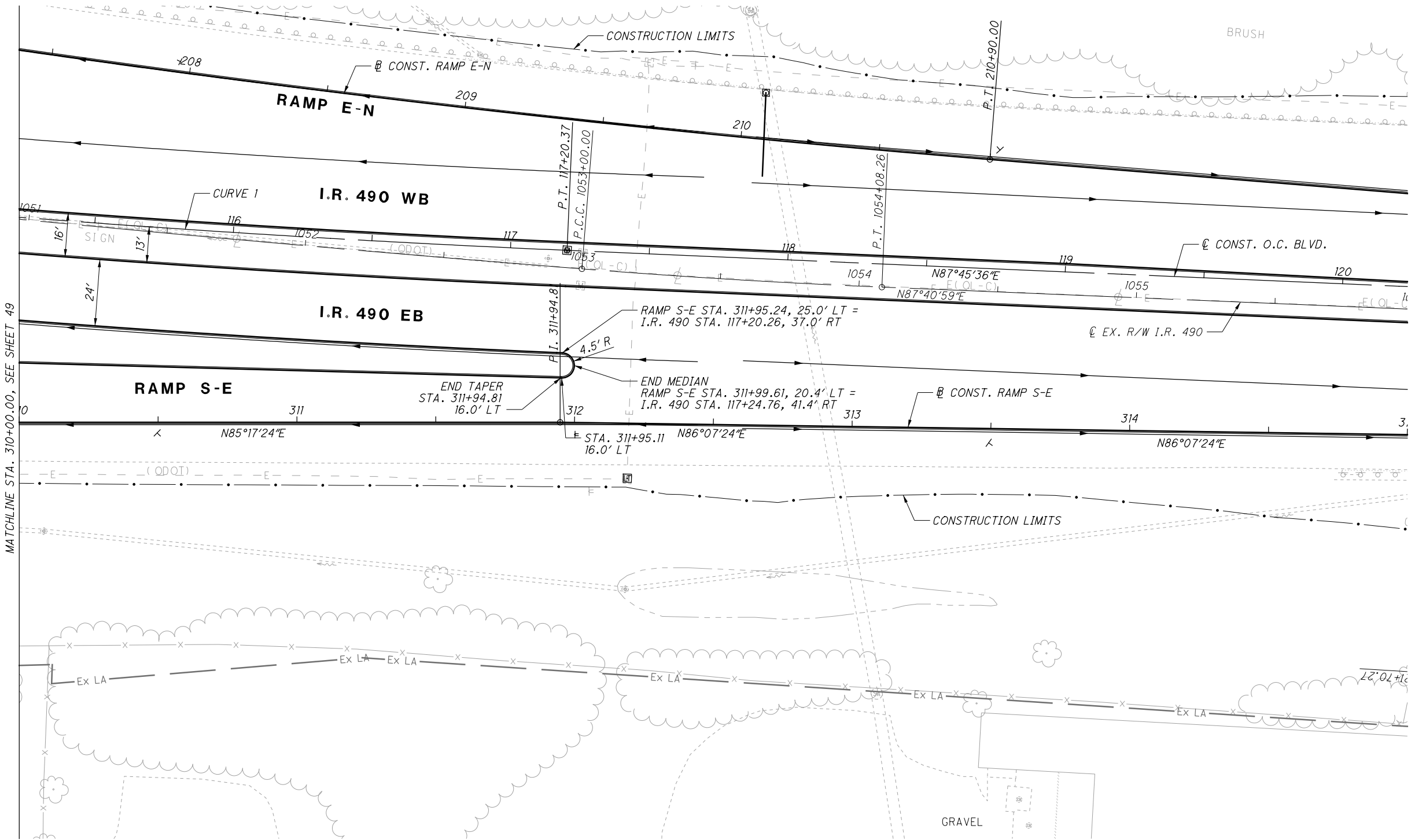
PROFILE - RAMP S-E

STA. 305+00.00 TO STA. 310+00.00

CALCULATED
JTH

CHECKED
SM

RECORD PLANS



CURVE 1
P.I. STA. 114+77.87
 $\Delta = 4^{\circ}51'10"$
 $Dc = 1^{\circ}00'00"$
 $R = 5729.58'$
 $T = 242.79'$
 $L = 485.29'$
 $E = 5.14'$

CALCULATED
JTH

CHECKED
SM

0 20 40
HORIZONTAL
SCALE IN FEET

PLAN - RAMP S-E
STA. 310+00.00 TO END

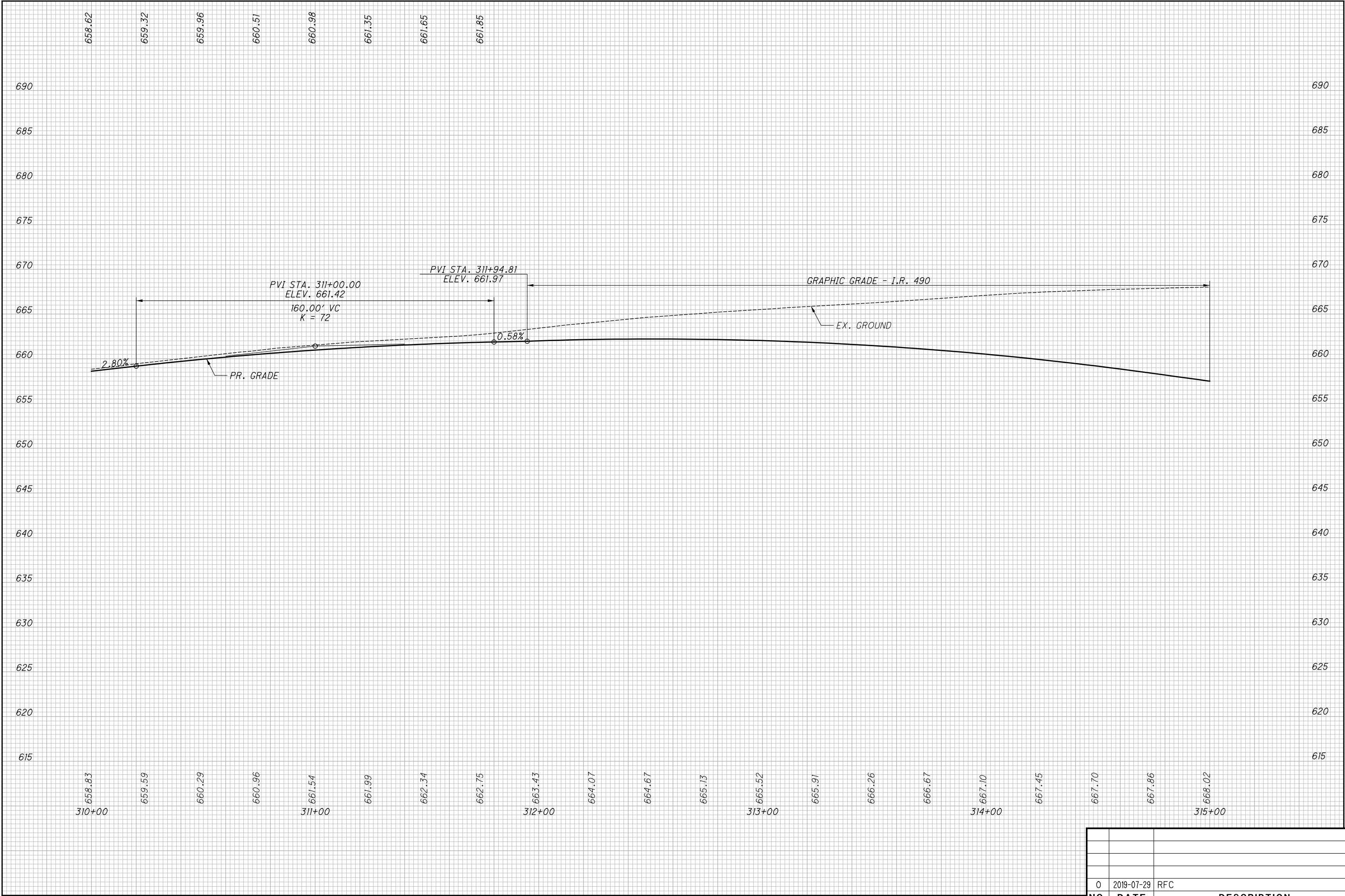
CUY-IR490/ SR010-
2.09 / 19.28

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303

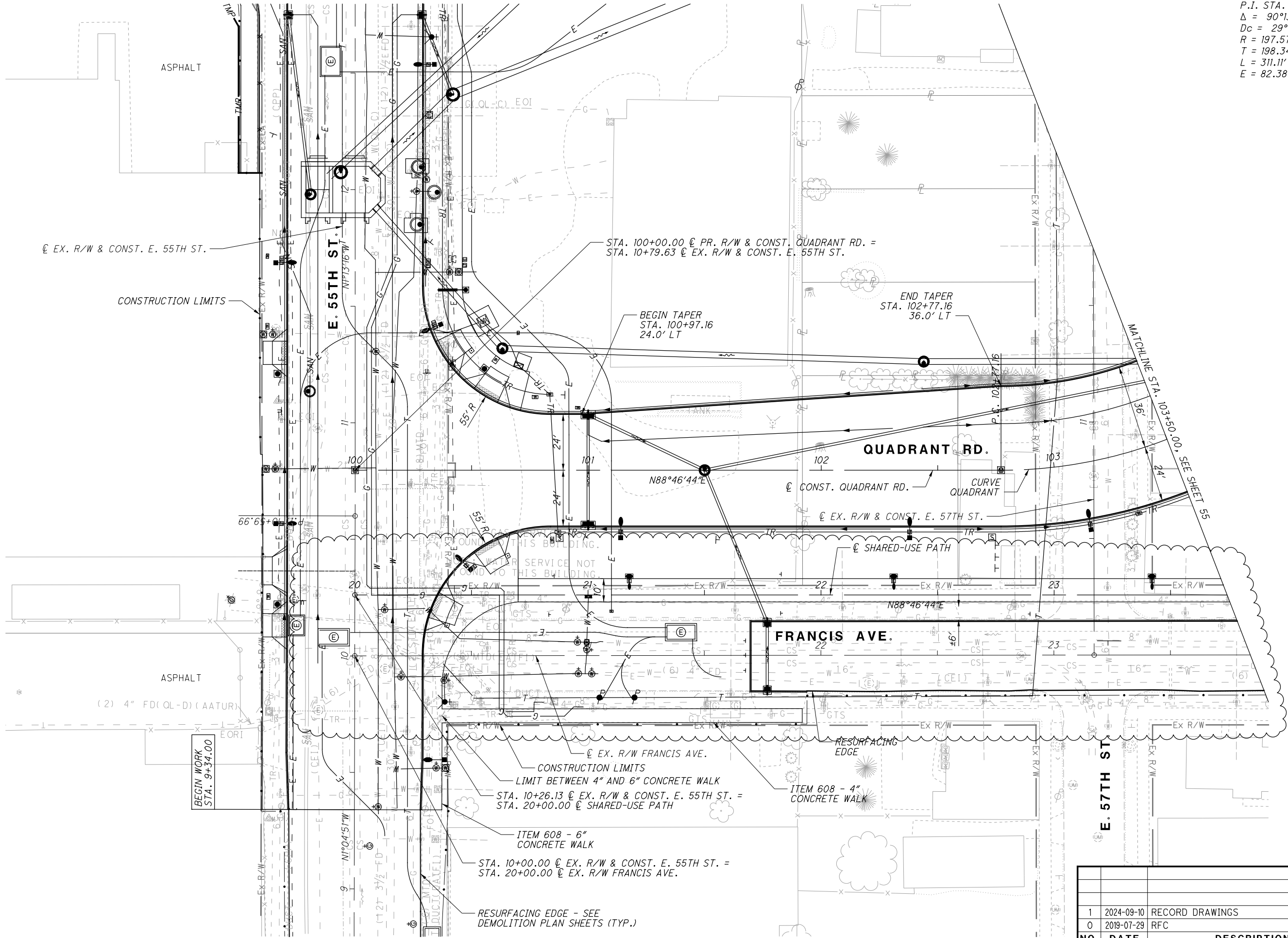
NO.	DATE	DESCRIPTION
0	2019-07-29	RFC
ISSUE RECORD		

RECORD PLANS

RECORD PLANS



0	2019-07-29	RFC
NO.	DATE	DESCRIPTION
ISSUE RECORD		



CURVE QUADRANT
P.I. STA. 104+75.50
 $\Delta = 90^{\circ}13'17''$
 $Dc = 29^{\circ}00'00''$
 $R = 197.57'$
 $T = 198.34'$
 $L = 311.11'$
 $E = 82.38'$

CALCULATED
JTH
CHECKED
SM

0 20 40
HORIZONTAL
SCALE IN FEET

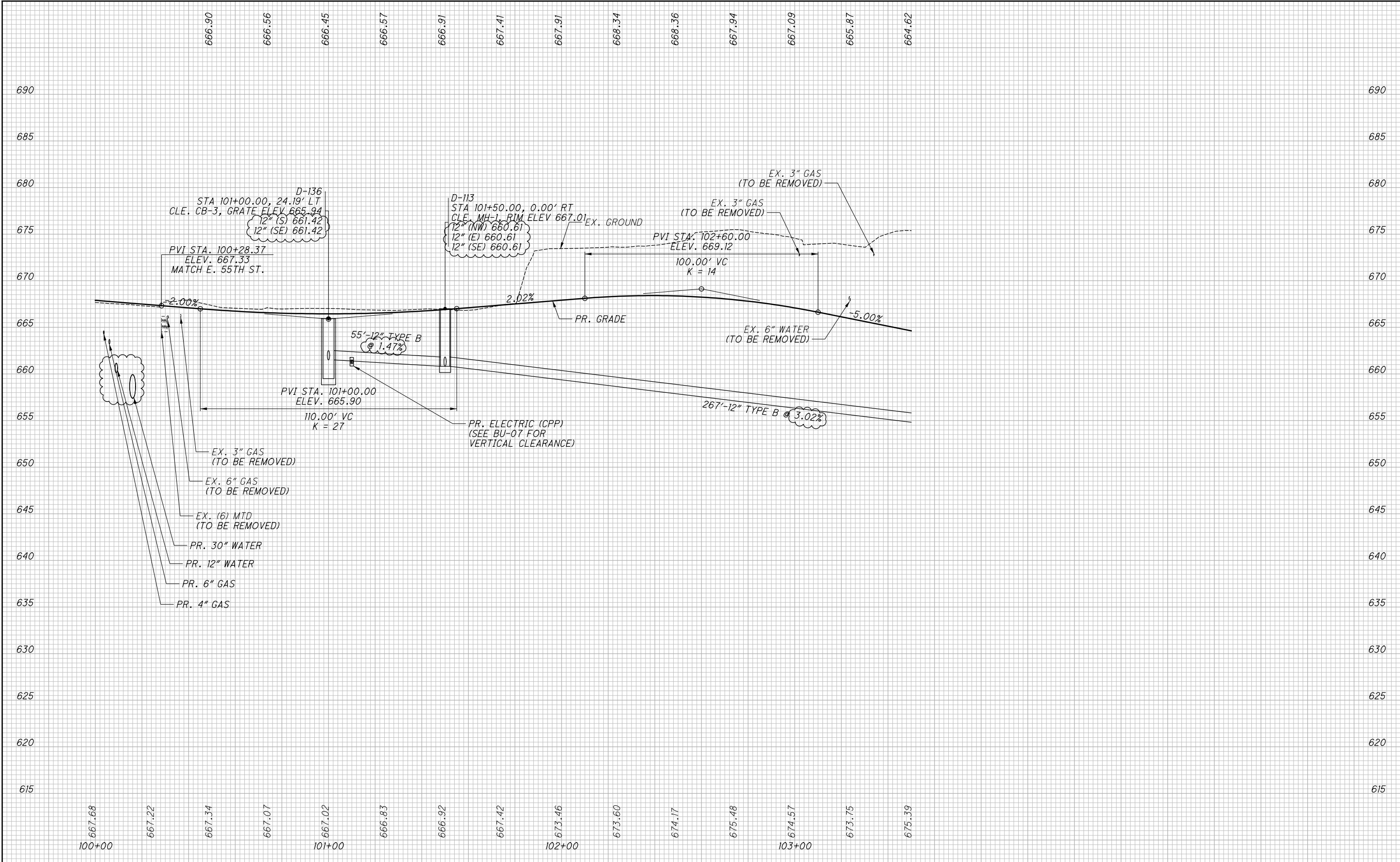
RECORD PLANS

PLAN - QUADRANT RD.
BEGIN TO STA. 103+50.00

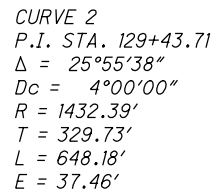
CUY-IR490/ SR010-
2.09 / 19.28

RECORD PLANS

NO.	DATE	DESCRIPTION
1	2024-09-10	RECORD DRAWINGS
0	2019-07-29	RFC
ISSUE RECORD		

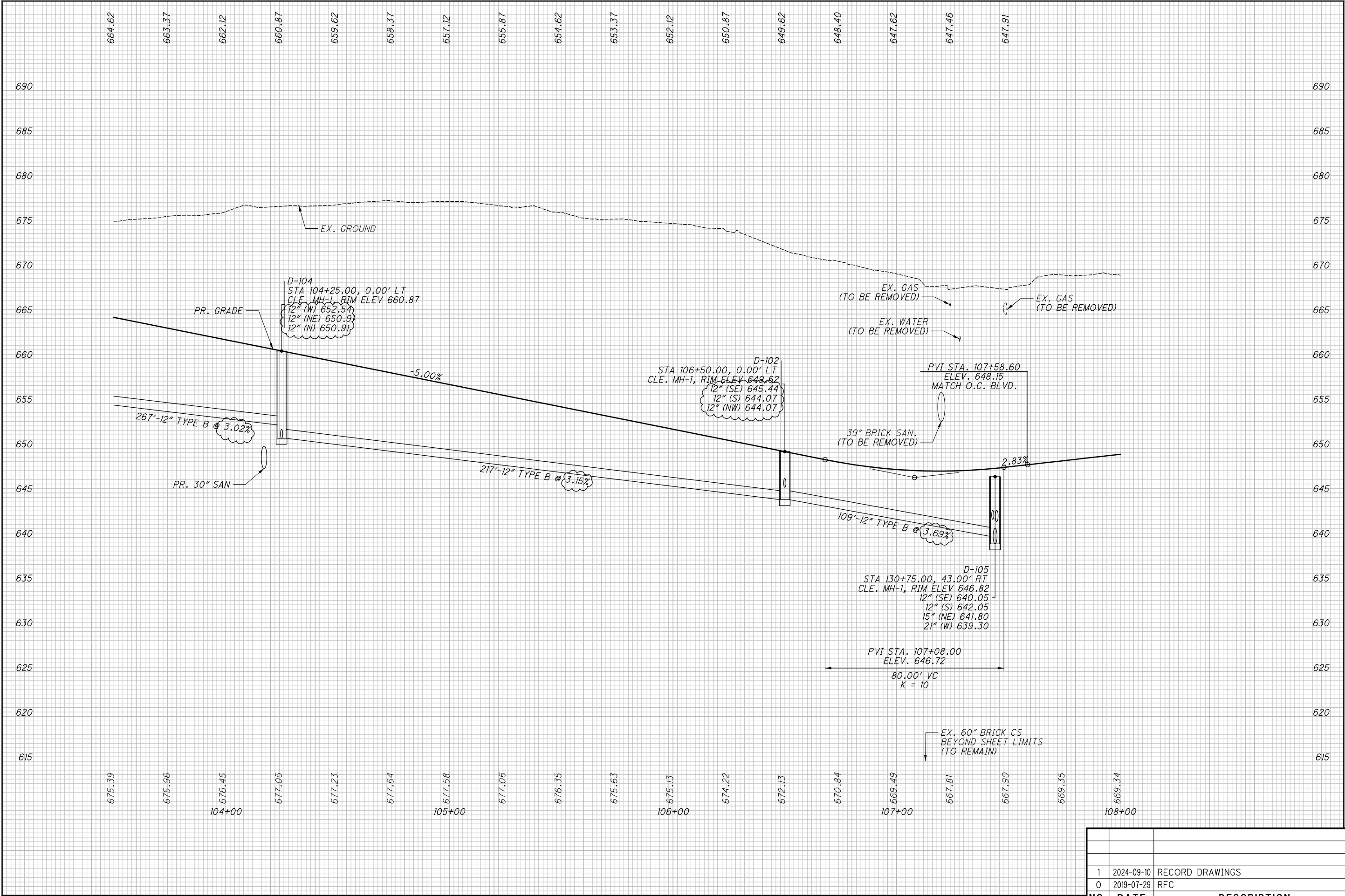


NO.	DATE	DESCRIPTION
1	2024-09-10	RECORD DRAWINGS
0	2019-07-29	RFC
ISSUE RECORD		

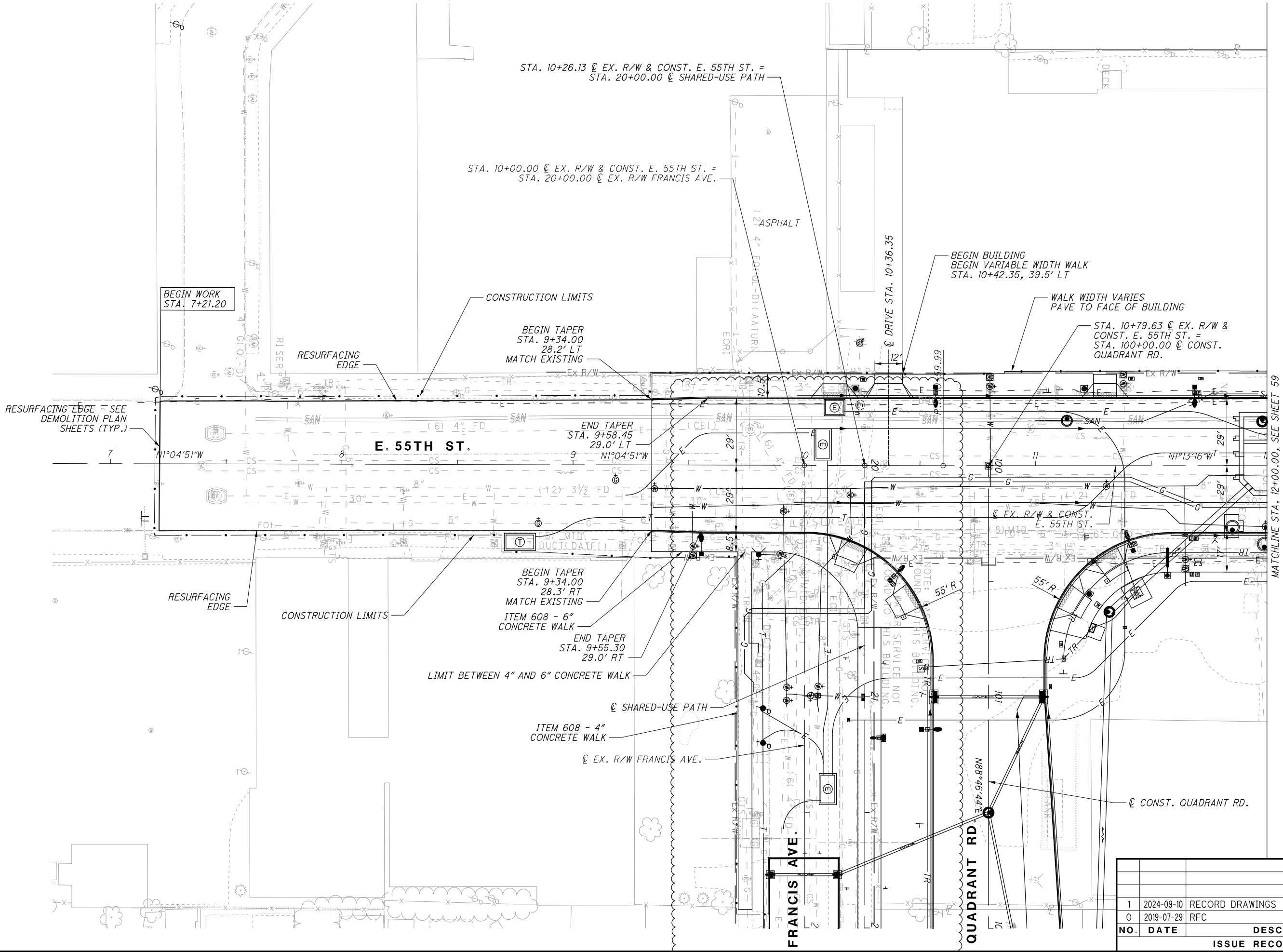


1	2024-09-10	RECORD DRAWINGS
0	2019-07-29	RFC
NO.	DATE	DESCRIPTION
ISSUE RECORD		

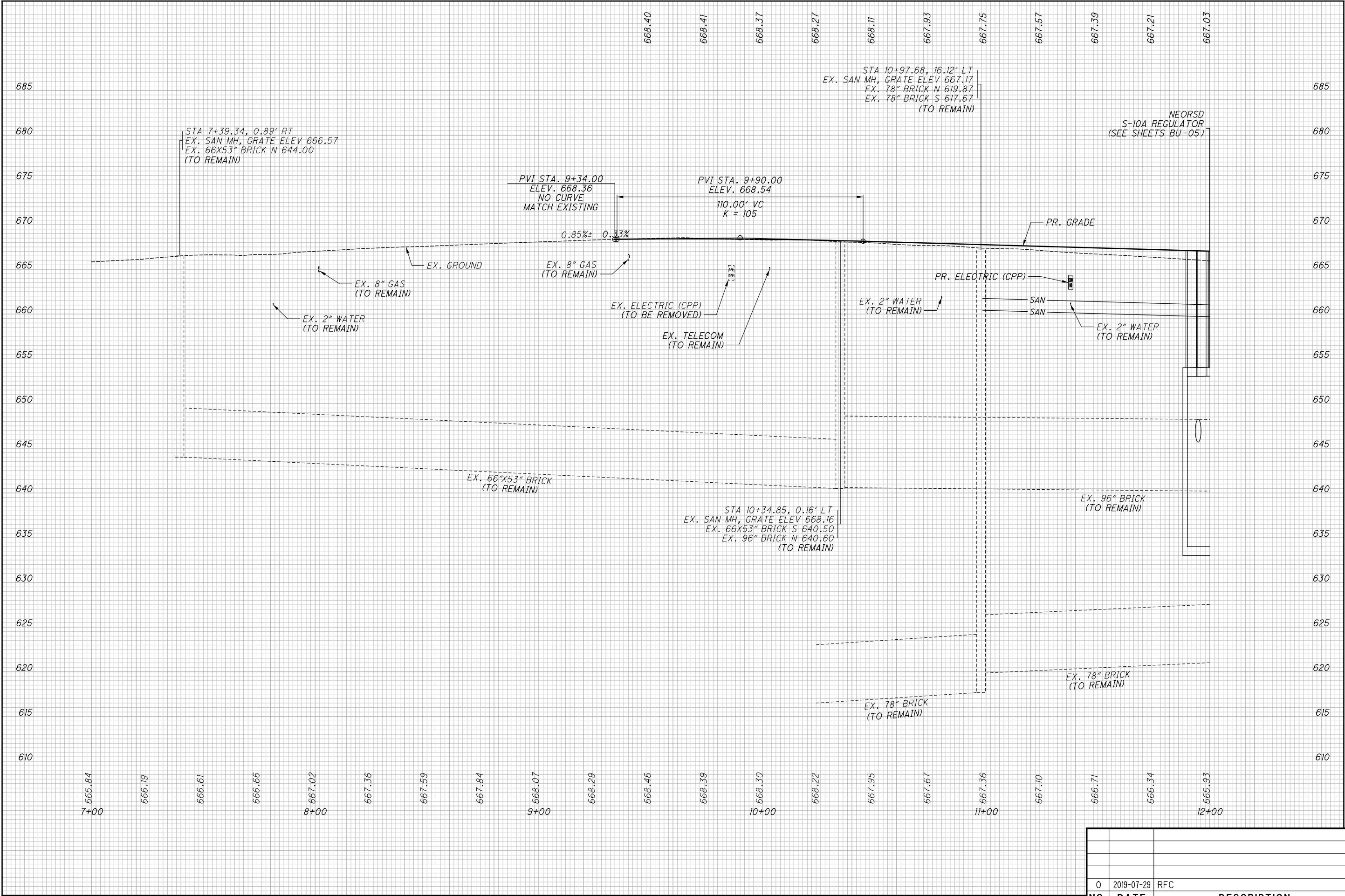




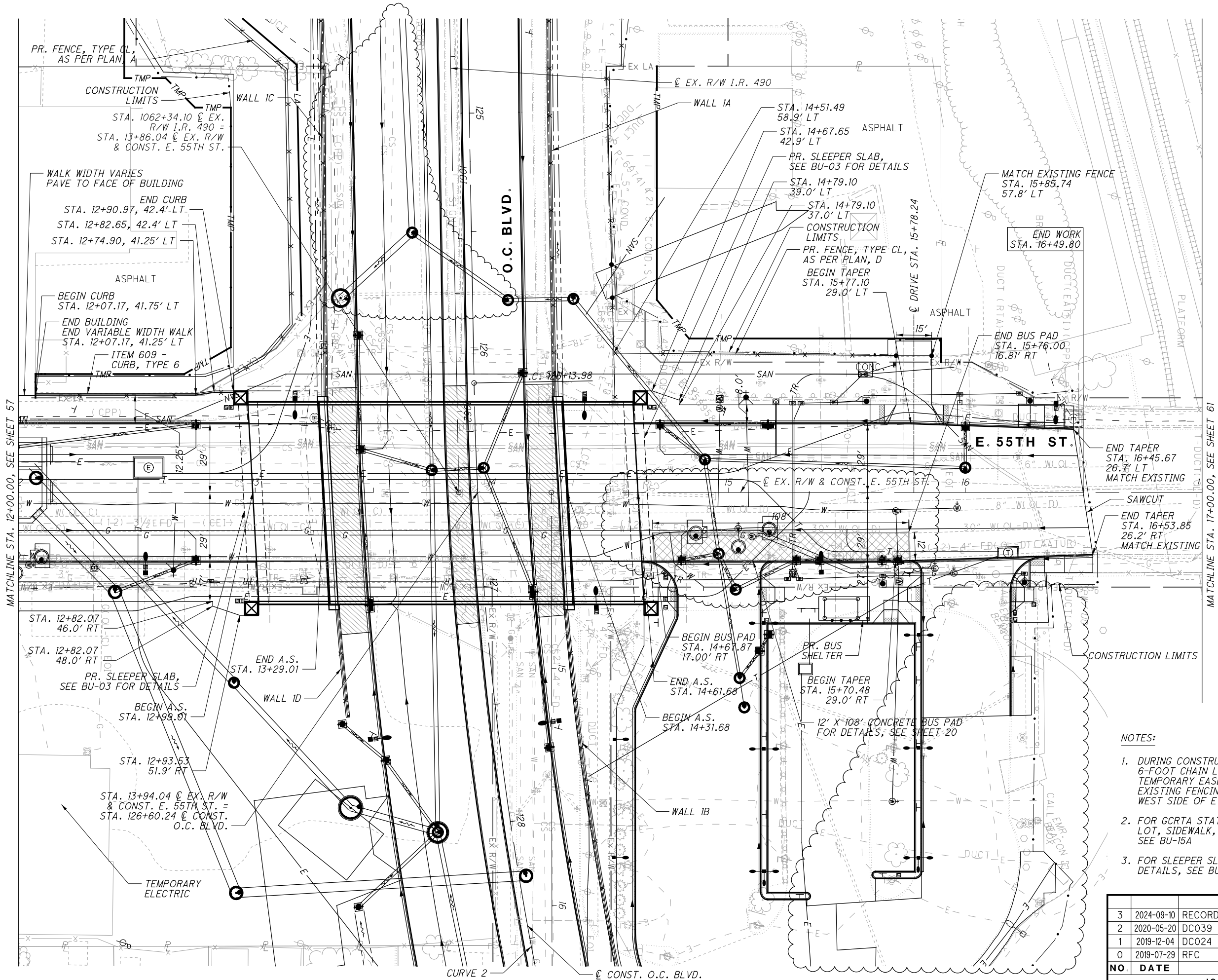
NO.	DATE	DESCRIPTION
1	2024-09-10	RECORD DRAWINGS
0	2019-07-29	RFC
ISSUE RECORD		



ISSUE RECORD		
NO.	DATE	DESCRIPTION
1	2024-09-10	RECORD DRAWINGS
0	2019-07-29	RFC



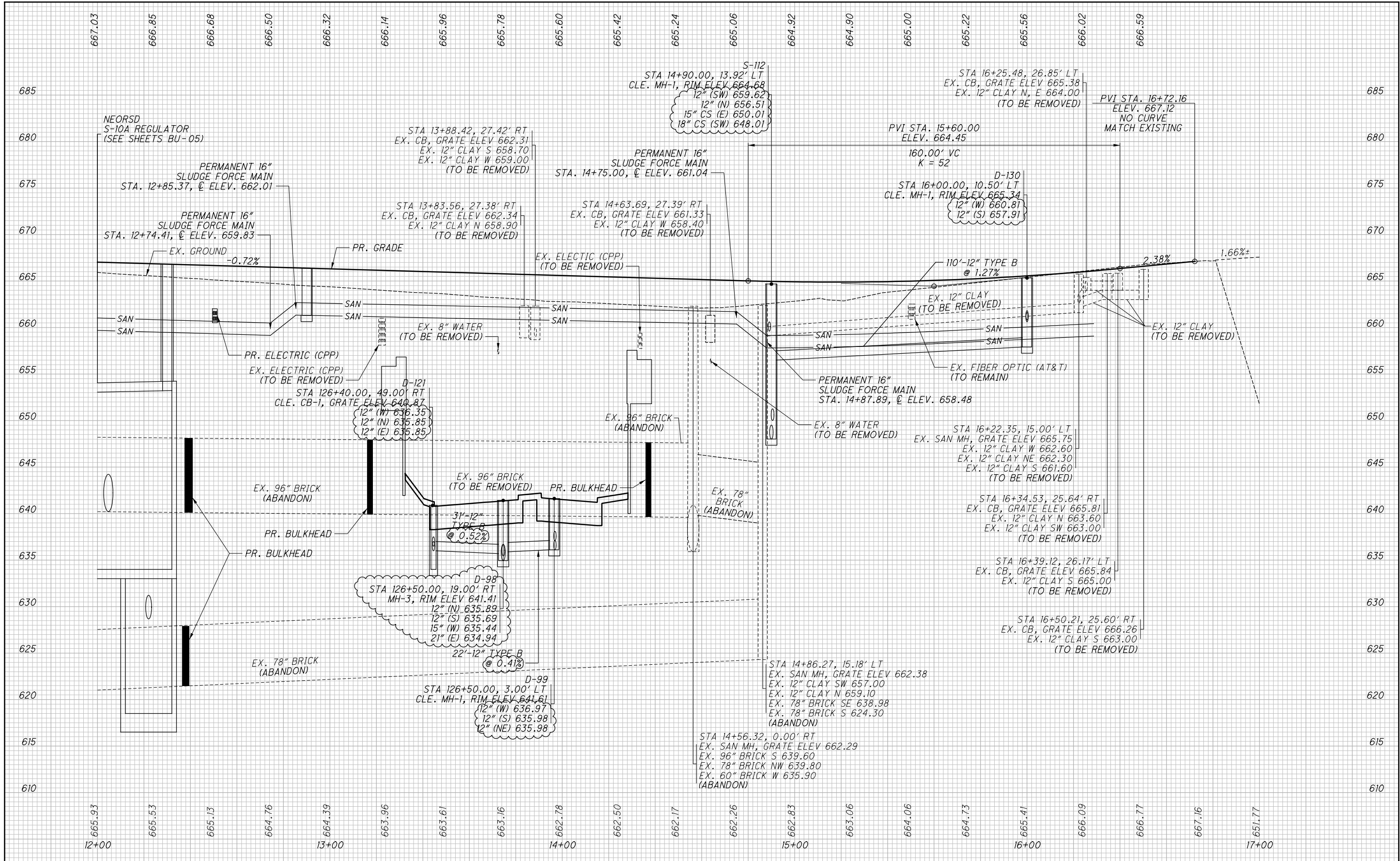
ISSUE RECORD		
NO.	DATE	DESCRIPTION
0	2019-07-29	RFC



CURVE 2
P.I. STA. 129+43.71
 $\Delta = 25^\circ 55' 38''$
 $Dc = 4^\circ 00' 00''$
 $R = 1432.39'$
 $T = 329.73'$
 $L = 648.18'$
 $E = 37.46'$

- NOTES:
1. DURING CONSTRUCTION, PROVIDE TEMPORARY 6-FOOT CHAIN LINK FENCE ALONG TEMPORARY EASEMENT THAT MATCHES EXISTING FENCING TO SECURE GCRTA SITE ON WEST SIDE OF E. 55TH STREET.
 2. FOR GCRTA STATION DRIVEWAY, PARKING LOT, SIDEWALK, AND OTHER IMPROVEMENTS, SEE BU-15A
 3. FOR SLEEPER SLAB AND OTHER MISC. DETAILS, SEE BU-03 AND BU-04.

NO.	DATE	DESCRIPTION
3	2024-09-10	RECORD DRAWINGS
2	2020-05-20	DC039
1	2019-12-04	DC024
0	2019-07-29	RFC
		ISSUE RECORD



NO.	DATE	DESCRIPTION
1	2024-09-10	RECORD DRAWINGS
0	2019-07-29	RFC



0	2019-07-29	RFC
NO.	DATE	DESCRIPTION
ISSUE RECORD		

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PLAN - E. 55TH ST.
STA. 17+00.00 TO END

CALCULATED
JTH
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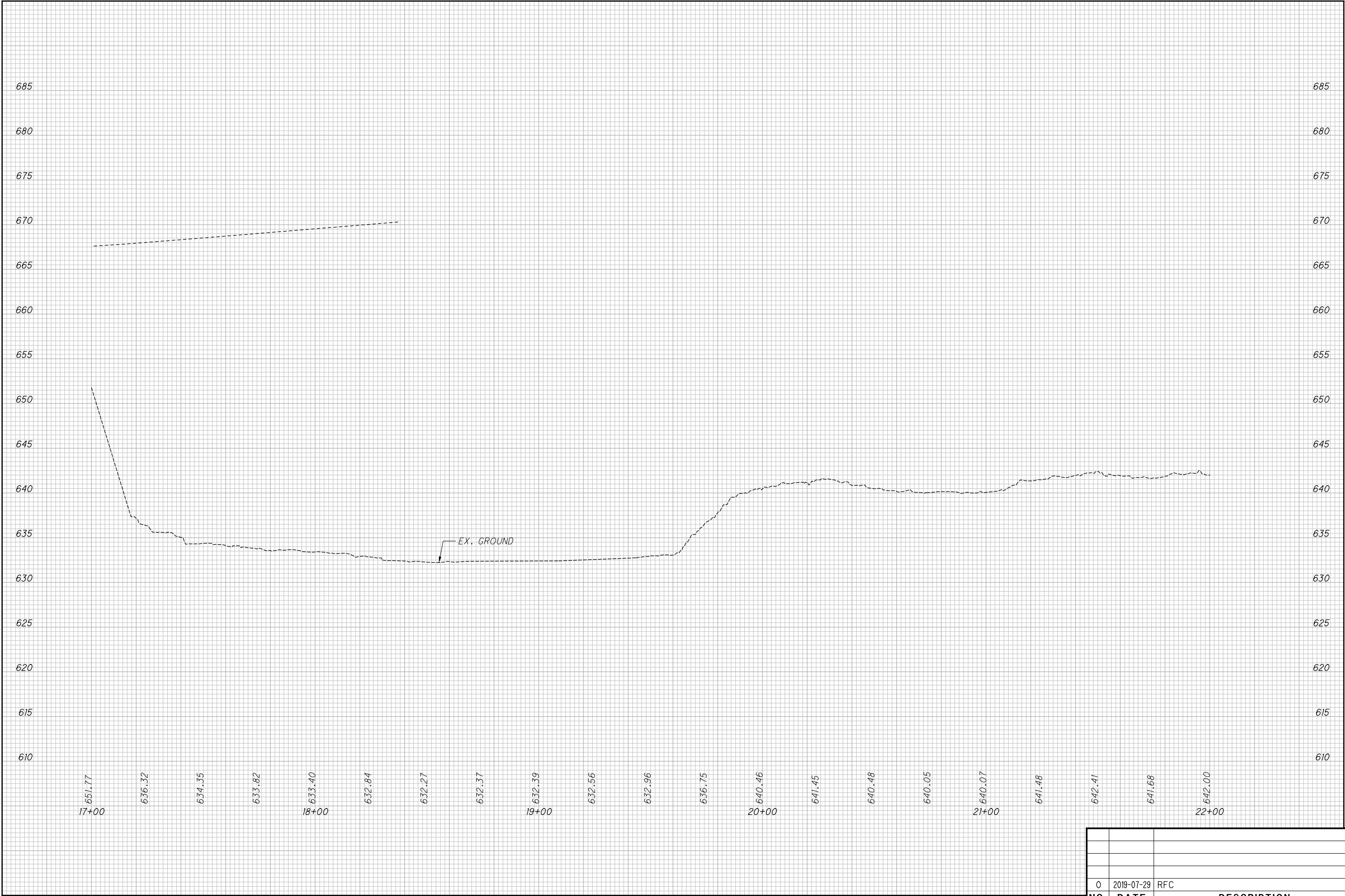
02040
HORIZONTAL
SCALE IN FEET

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RECORD PLANS

RECORD PLANS

RECORD PLANS



0	2019-07-29	RFC
NO.	DATE	DESCRIPTION
ISSUE RECORD		

CALCULATED
JTH

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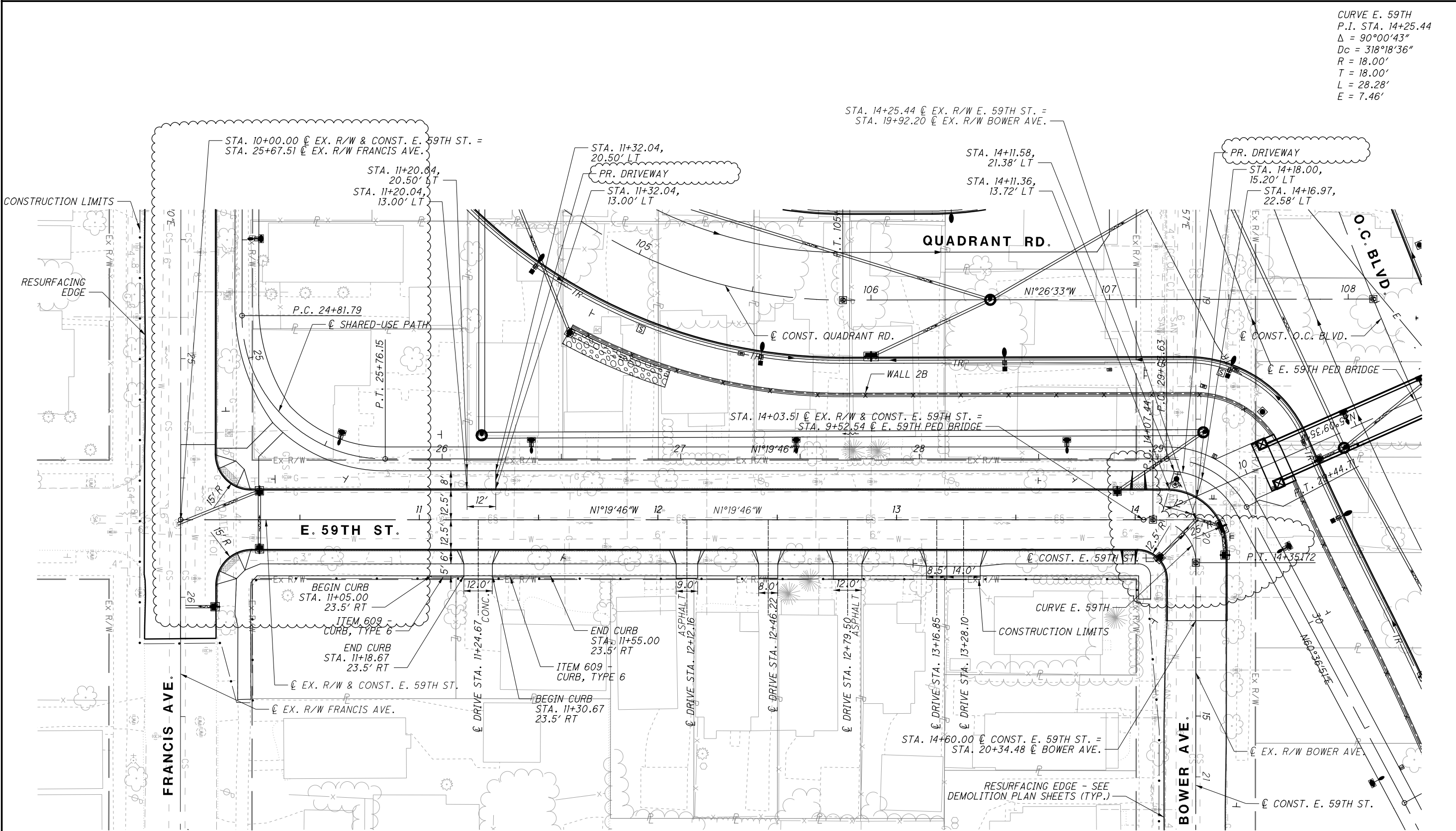
PROFILE - E. 55TH ST.
STA. 17+00.00 TO END

CUY-IR490/ SR010-
2.09 / 19.28

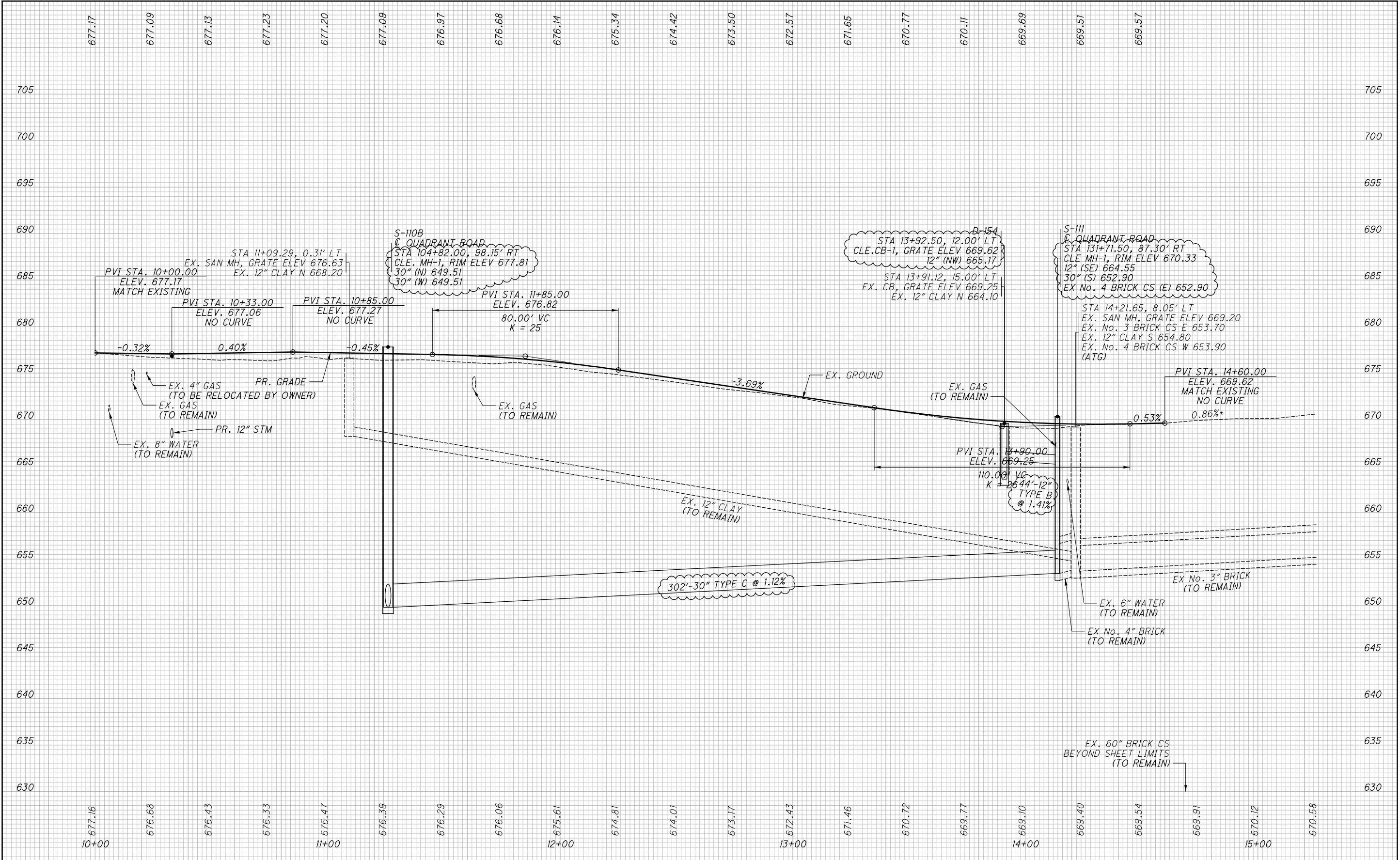
62
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RECORD PLANS

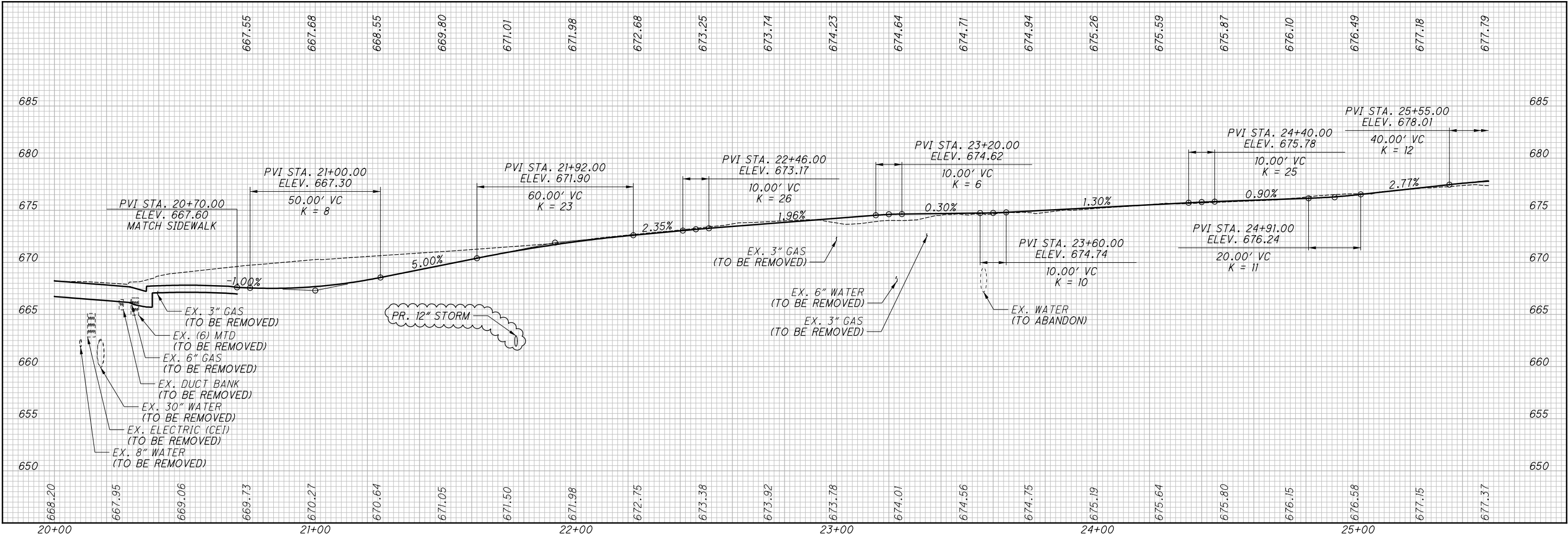
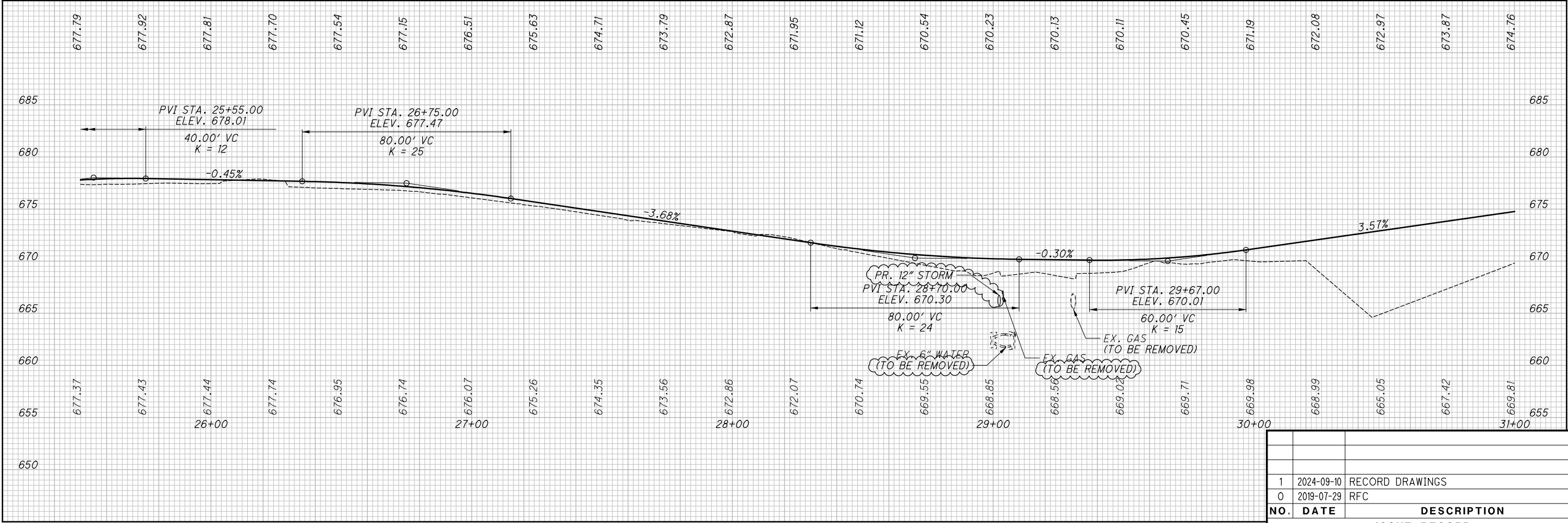
RECORD PLANS



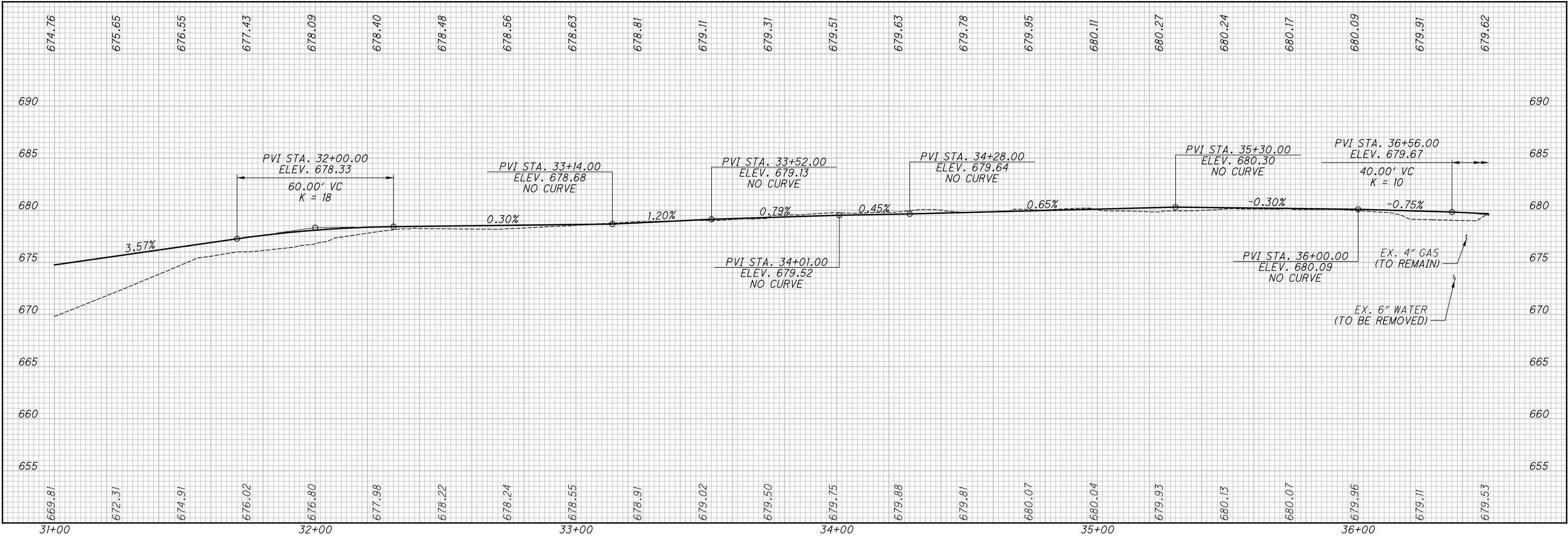
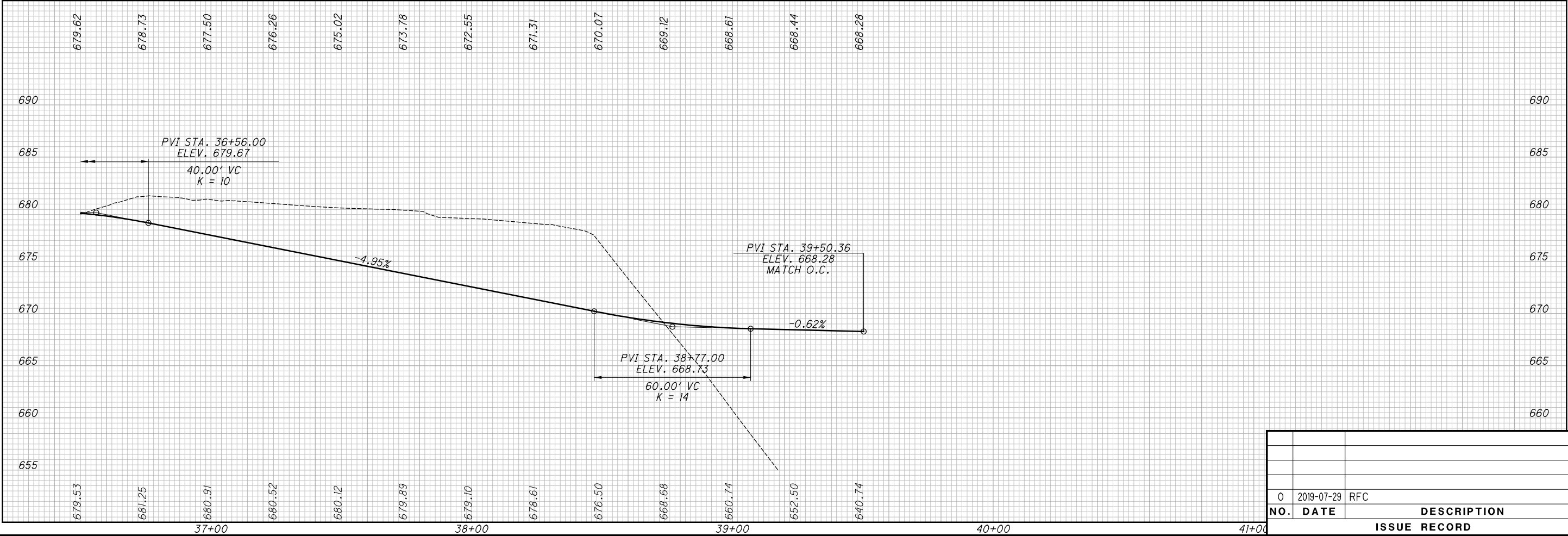
NO.	DATE	DESCRIPTION
2	2024-09-10	RECORD DRAWINGS
1	2020-01-08	DC028
0	2019-07-29	RFC
ISSUE RECORD		



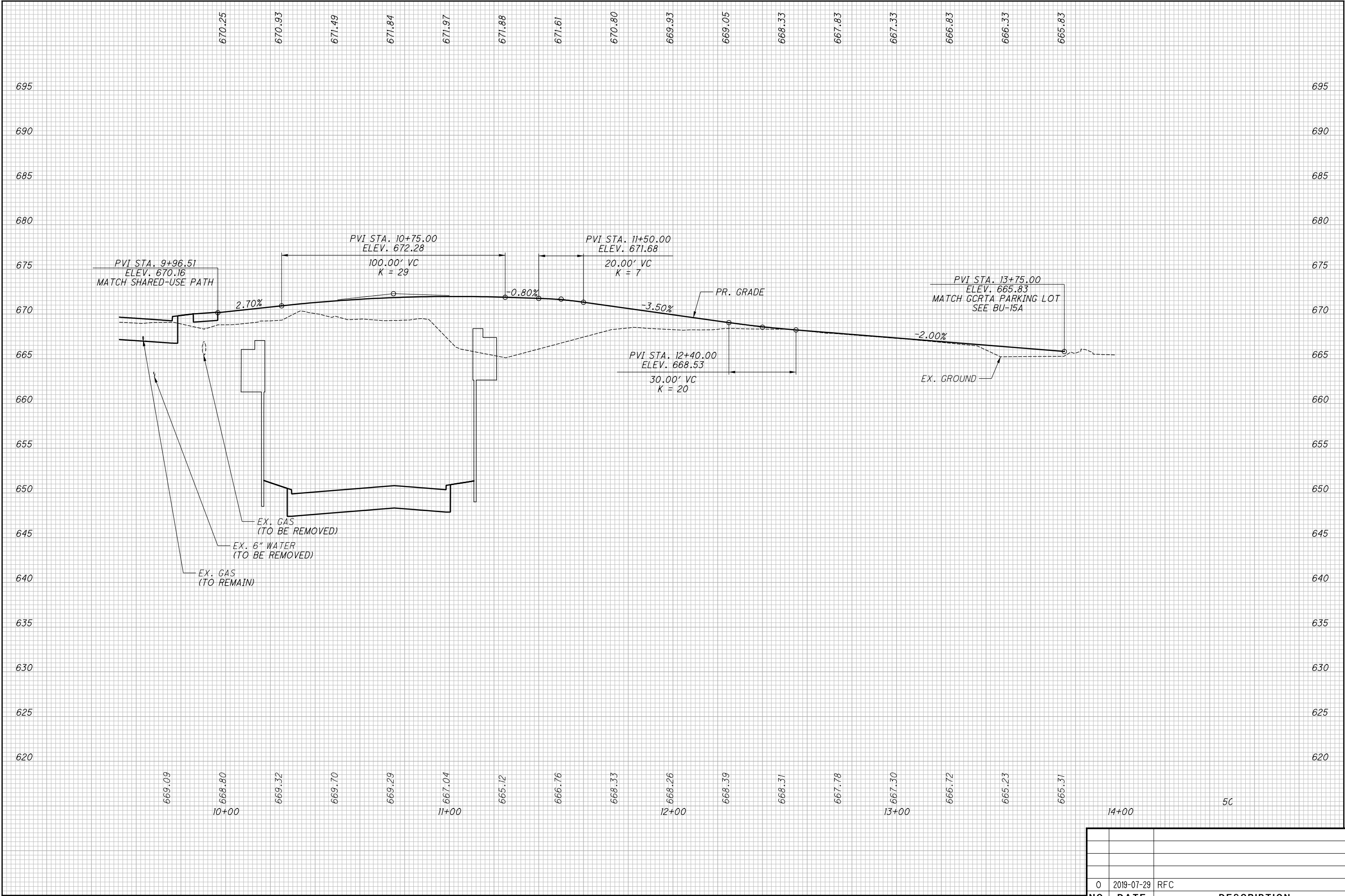
NO.	DATE	DESCRIPTION
1	2024-09-10	RECORD DRAWINGS
0	2019-07-29	RFC



NO.	DATE	DESCRIPTION
1	2024-09-10	RECORD DRAWINGS
0	2019-07-29	RFC
		ISSUE RECORD



ISSUE RECORD		
NO.	DATE	DESCRIPTION
0	2019-07-29	RFC



0	2019-07-29	RFC
NO.	DATE	DESCRIPTION
		ISSUE RECORD

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PROFILE
E. 59TH ST. PATH

RECORD PLANS

CALCULATED
JTH

CHECKED
SM

RECORD PLANS

PAVEMENT
REMOVED

WALK
REMOVED

PAVEMENT
RESURFACING

xxxxxxx

CONDUIT REMOVED

|||||||

CONDUIT ABANDONED

○

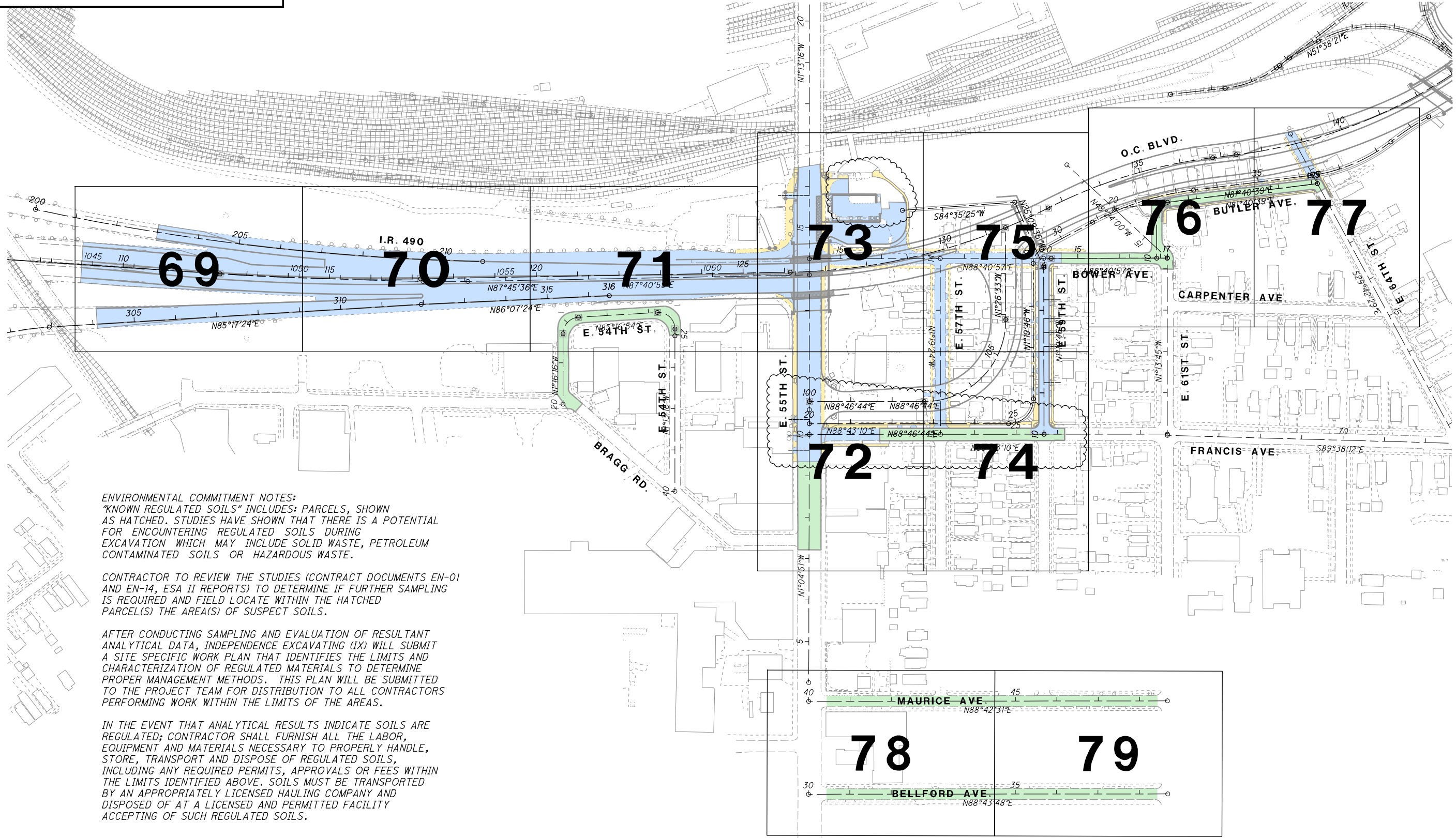
ADJUST TO GRADE

△

RECONSTRUCT TO GRADE

×

ITEM TO BE REMOVED




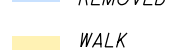
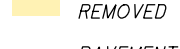
ENVIRONMENTAL COMMITMENT NOTES:
"KNOWN REGULATED SOILS" INCLUDES: PARCELS, SHOWN AS HATCHED. STUDIES HAVE SHOWN THAT THERE IS A POTENTIAL FOR ENCOUNTERING REGULATED SOILS DURING EXCAVATION WHICH MAY INCLUDE SOLID WASTE, PETROLEUM CONTAMINATED SOILS OR HAZARDOUS WASTE.

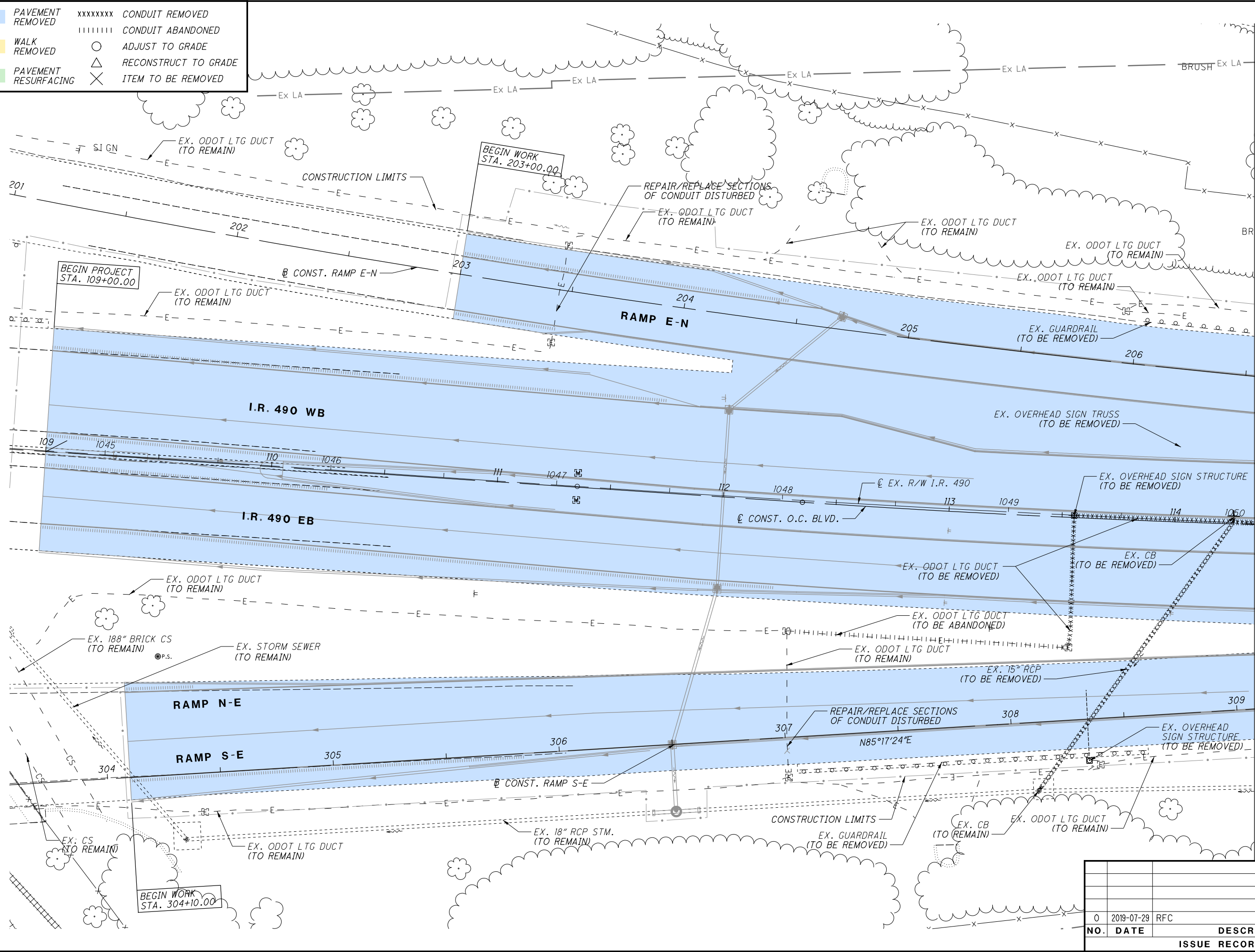
CONTRACTOR TO REVIEW THE STUDIES (CONTRACT DOCUMENTS EN-01 AND EN-14, ESA II REPORTS) TO DETERMINE IF FURTHER SAMPLING IS REQUIRED AND FIELD LOCATE WITHIN THE HATCHED PARCEL(S) THE AREA(S) OF SUSPECT SOILS.

AFTER CONDUCTING SAMPLING AND EVALUATION OF RESULTANT ANALYTICAL DATA, INDEPENDENCE EXCAVATING (IX) WILL SUBMIT A SITE SPECIFIC WORK PLAN THAT IDENTIFIES THE LIMITS AND CHARACTERIZATION OF REGULATED MATERIALS TO DETERMINE PROPER MANAGEMENT METHODS. THIS PLAN WILL BE SUBMITTED TO THE PROJECT TEAM FOR DISTRIBUTION TO ALL CONTRACTORS PERFORMING WORK WITHIN THE LIMITS OF THE AREAS.

IN THE EVENT THAT ANALYTICAL RESULTS INDICATE SOILS ARE REGULATED; CONTRACTOR SHALL FURNISH ALL THE LABOR, EQUIPMENT AND MATERIALS NECESSARY TO PROPERLY HANDLE, STORE, TRANSPORT AND DISPOSE OF REGULATED SOILS, INCLUDING ANY REQUIRED PERMITS, APPROVALS OR FEES WITHIN THE LIMITS IDENTIFIED ABOVE. SOILS MUST BE TRANSPORTED BY AN APPROPRIATELY LICENSED HAULING COMPANY AND DISPOSED OF AT A LICENSED AND PERMITTED FACILITY ACCEPTING OF SUCH REGULATED SOILS.

NO.	DATE	DESCRIPTION
1	2024-09-10	RECORD DRAWINGS
0	2019-07-29	RFC
ISSUE RECORD		

	PAVEMENT REMOVED	xxxxxxx	CONDUIT REMOVED
	WALK REMOVED		CONDUIT ABANDONED
	PAVEMENT RESURFACING	○	ADJUST TO GRADE
		△	RECONSTRUCT TO GRADE
		×	ITEM TO BE REMOVED



0 20 40
HORIZONTAL
SCALE IN FEET

CALCULATED JTH
CHECKED DUJ

DEMOLITION PLAN
I.R. 490

RECORD PLANS

CUY-IR490/ SR010-
2.09/ 19.28

RECORD PLANS

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NO.	DATE	DESCRIPTION
0	2019-07-29	RFC
ISSUE RECORD		

PAVEMENT
REMOVED

WALK
REMOVED

PAVEMENT
RESURFACING

xxxxxxx

CONDUIT REMOVED

|||||||

CONDUIT ABANDONED

○

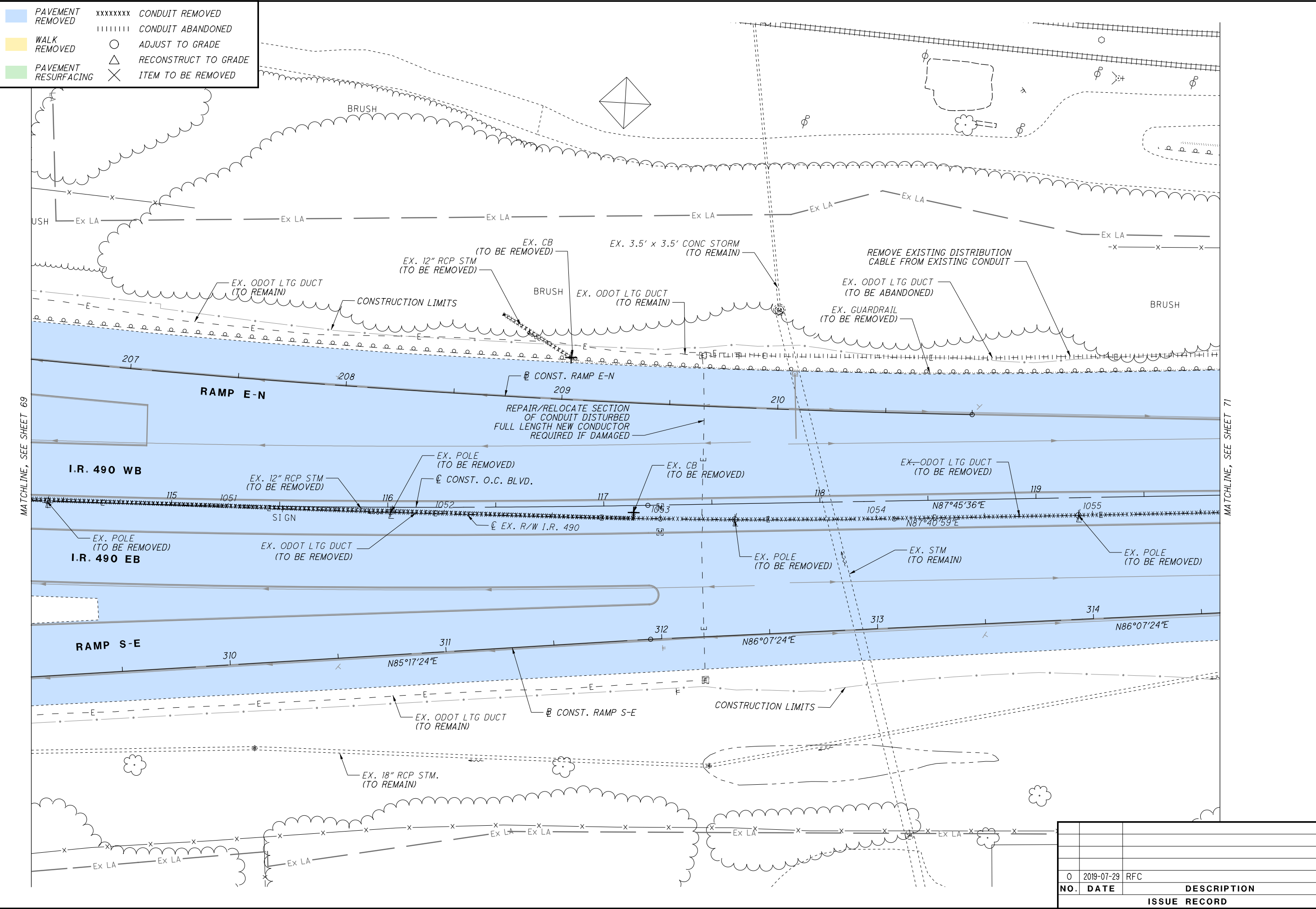
ADJUST TO GRADE

△

RECONSTRUCT TO GRADE

×

ITEM TO BE REMOVED



ISSUE RECORD		
NO.	DATE	DESCRIPTION
0	2019-07-29	RFC

CUY-IR490/ SR010-
2.09 / 19.28

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DEMOLITION PLAN
I.R. 490

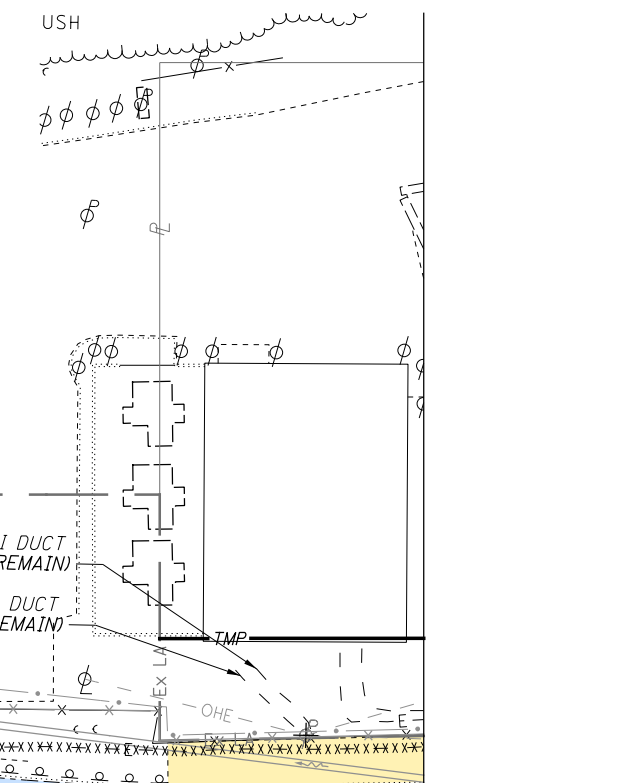
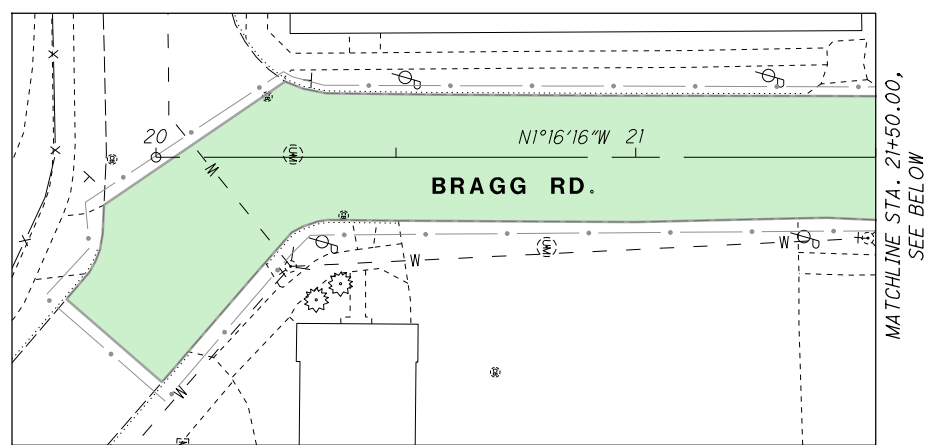
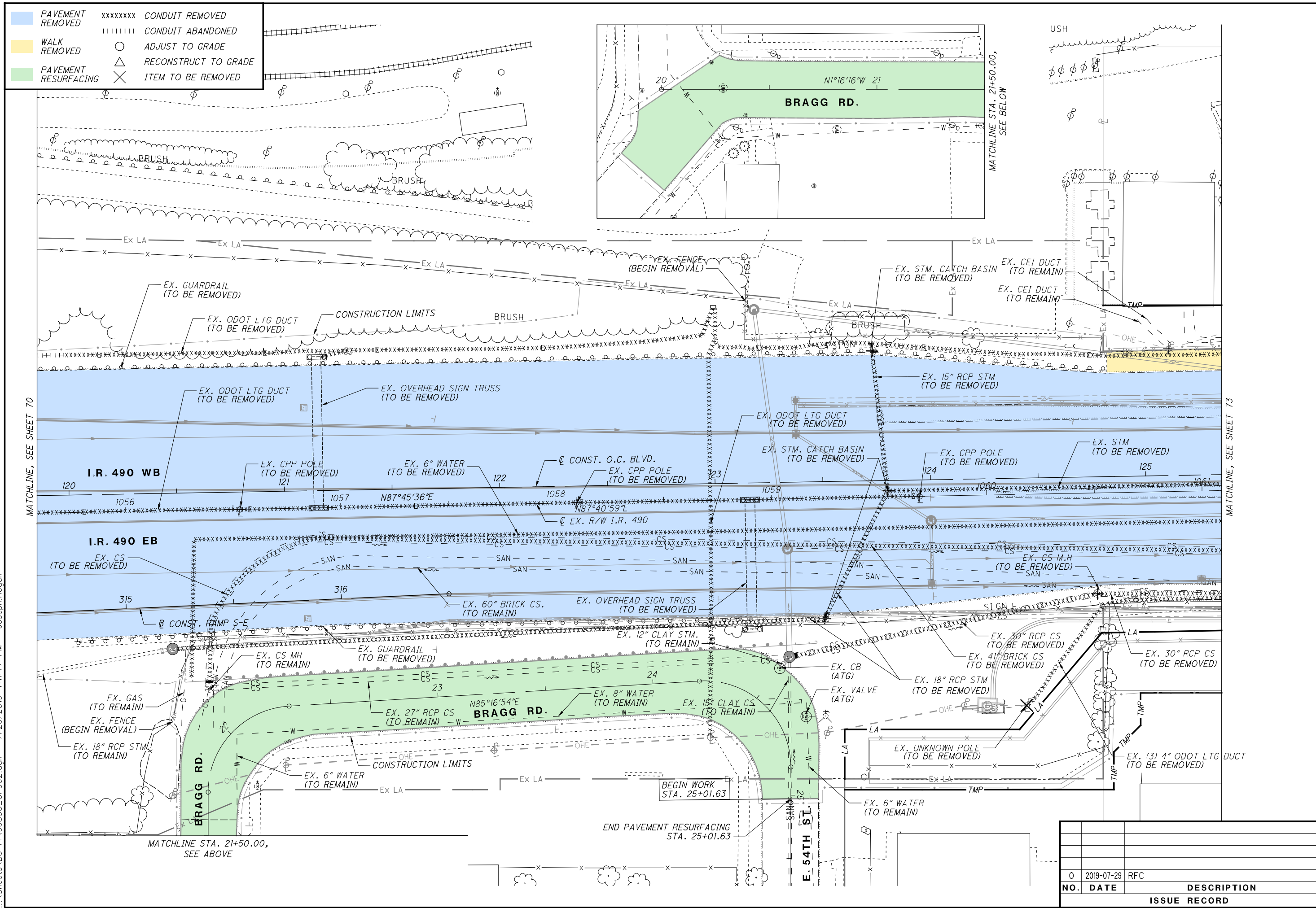
RECORD PLANS

CALCULATED
JTH

CHECKED
DUJ

0 20 40
HORIZONTAL
SCALE IN FEET



RECORD PLANS



MATCHLINE, SEE SHEET 70

MATCHLINE SEE SHEET 73

BU-14 - ROADWAY & PAVEMENT. BEGIN PROJECT TO KINGSBURY RUN
\\Sheets\\BU-14\\968333_GP902.dgn 7/26/2019 4:11:47 PM Joseph.Hogan

CALCULATED			
JTH	CHECKED		
DJJ		RECORD PLANS	

DEMOLITION PLAN
I.R. 490
RECORD PLANS


CUY-IR490 / SR010-
2.09 / 19.28
RECORD PLANS

0	2019-07-29	RFC
NO.	DATE	DESCRIPTION
ISSUE RECORD		

PAVEMENT
REMOVED

WALK
REMOVED

PAVEMENT
RESURFACING

xxxxxxx

CONDUIT REMOVED

|||||||

CONDUIT ABANDONED

○

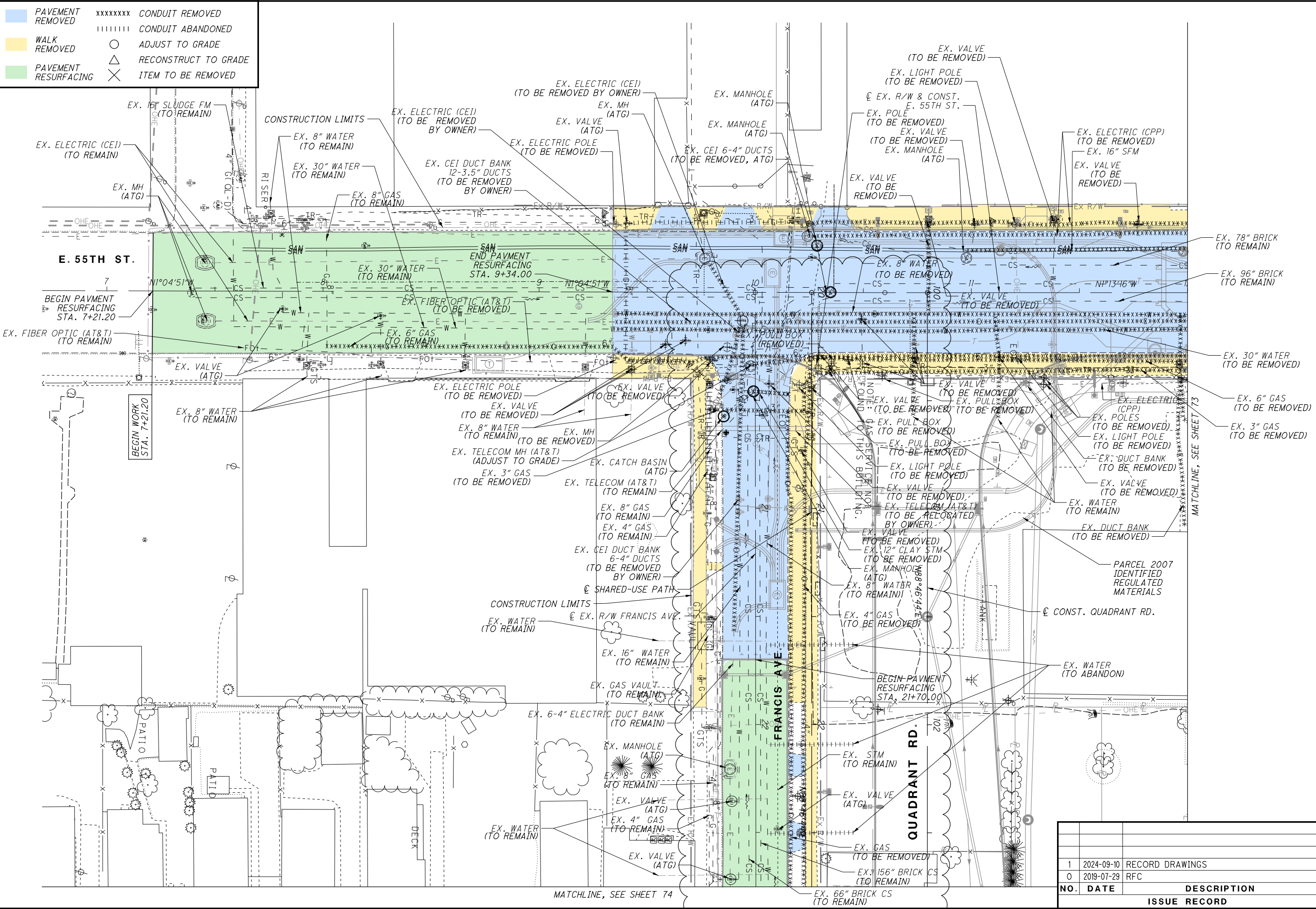
ADJUST TO GRADE

△

RECONSTRUCT TO GRADE

×

ITEM TO BE REMOVED



ISSUE RECORD		
NO.	DATE	DESCRIPTION
1	2024-09-10	RECORD DRAWINGS
0	2019-07-29	RFC

CUY-IR490/ SR010-
2.09/ 19.28

72
303

DEMOLITION PLAN
E. 55TH ST. / FRANCIS AVE.

RECORD PLANS

CALCULATED
JTH

CHECKED
DUJ

0
10
20
40

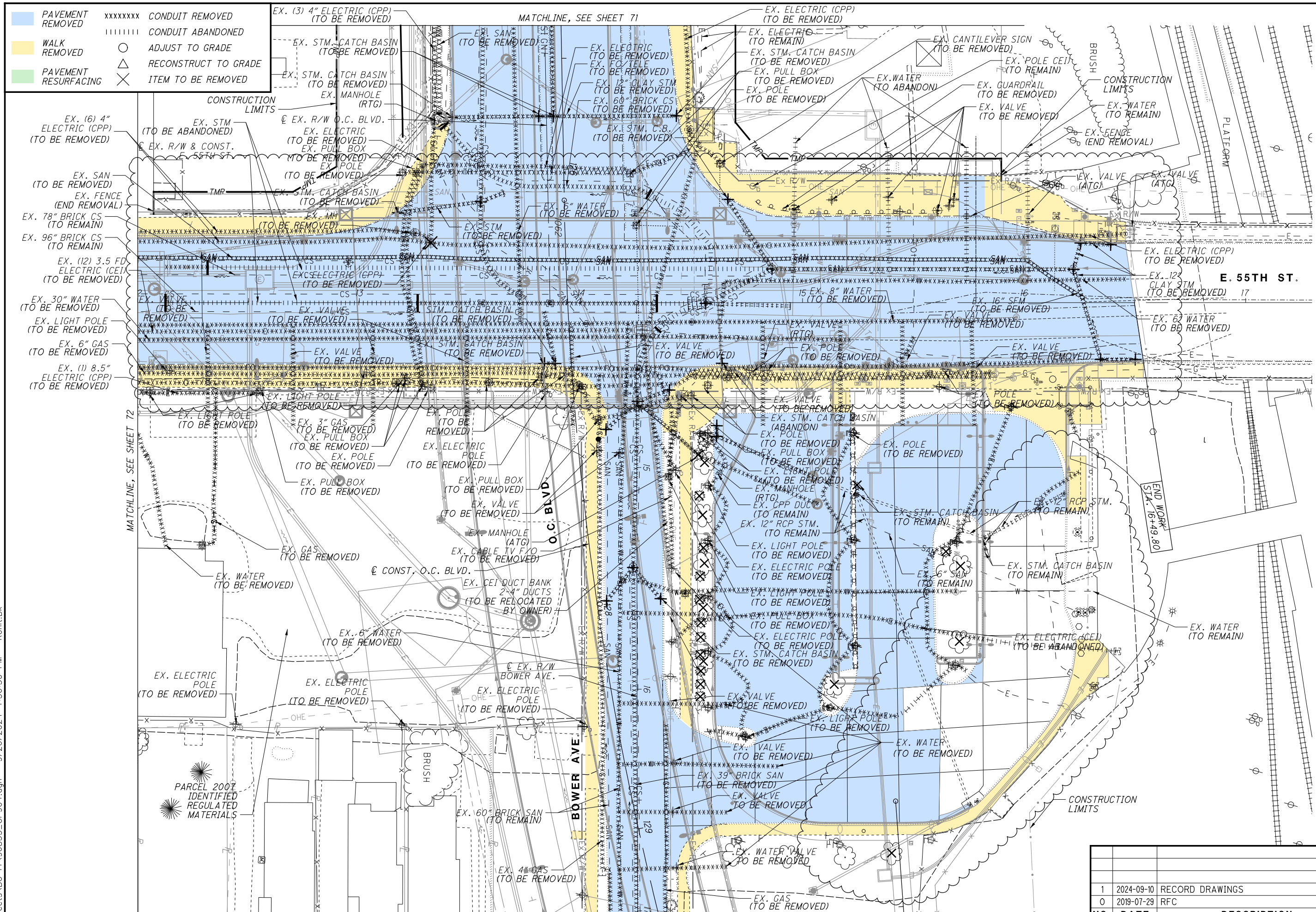
HORIZONTAL
SCALE IN FEET

↑

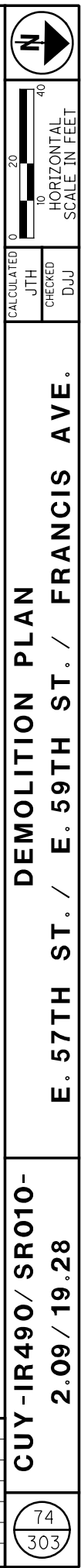
N

RECORD PLANS

BU-14 - ROADWAY & PAVEMENT. BEGIN PROJECT TO KING
...\\Sheets\\BU-14\\96833_GP904.dgn 9/26/2024 4:50:30 PM Rohit.Bk



1	2024-09-10	RECORD DRAWINGS
0	2019-07-29	RFC
NO.	DATE	DESCRIPTION
ISSUE RECORD		



74	303
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PAVEMENT
REMOVED

WALK
REMOVED

PAVEMENT
RESURFACING

xxxxxxx

CONDUIT REMOVED

|||||||

CONDUIT ABANDONED

○

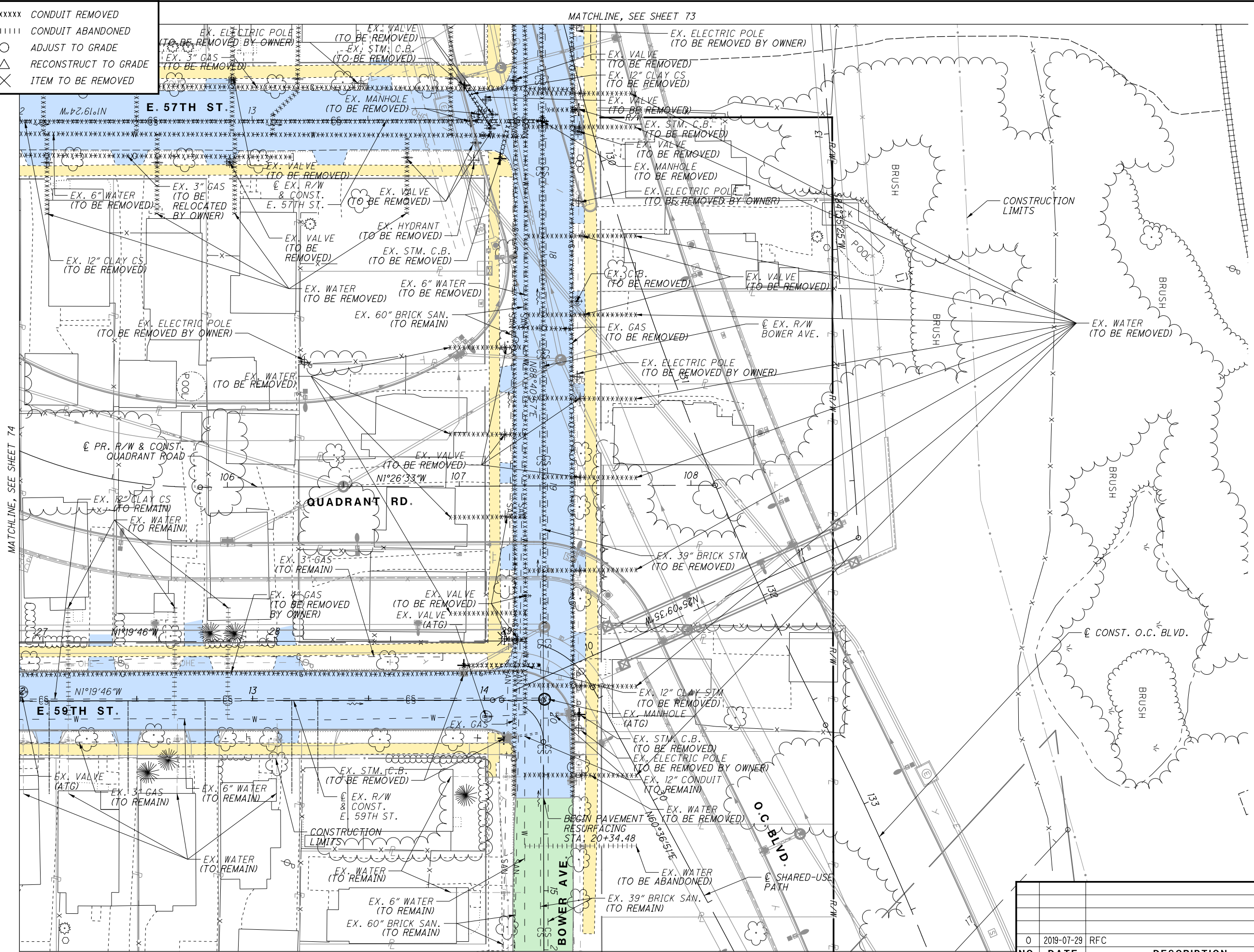
ADJUST TO GRADE

△

RECONSTRUCT TO GRADE

×

ITEM TO BE REMOVED



ISSUE RECORD		
NO.	DATE	DESCRIPTION
0	2019-07-29	RFC

75
303

CUY-IR490/ SR010-
2.09/ 19.28

DEMOLITION PLAN
E. 57TH ST. / E. 59TH ST. / BOWER AVE.

RECORD PLANS

CALCULATED
JTH

CHECKED
DUJ

RECORD PLANS

0 20 40
HORIZONTAL
SCALE IN FEET

N

PAVEMENT
REMOVED

WALK
REMOVED

PAVEMENT
RESURFACING

xxxxxxx

CONDUIT REMOVED

|||||||

CONDUIT ABANDONED

○

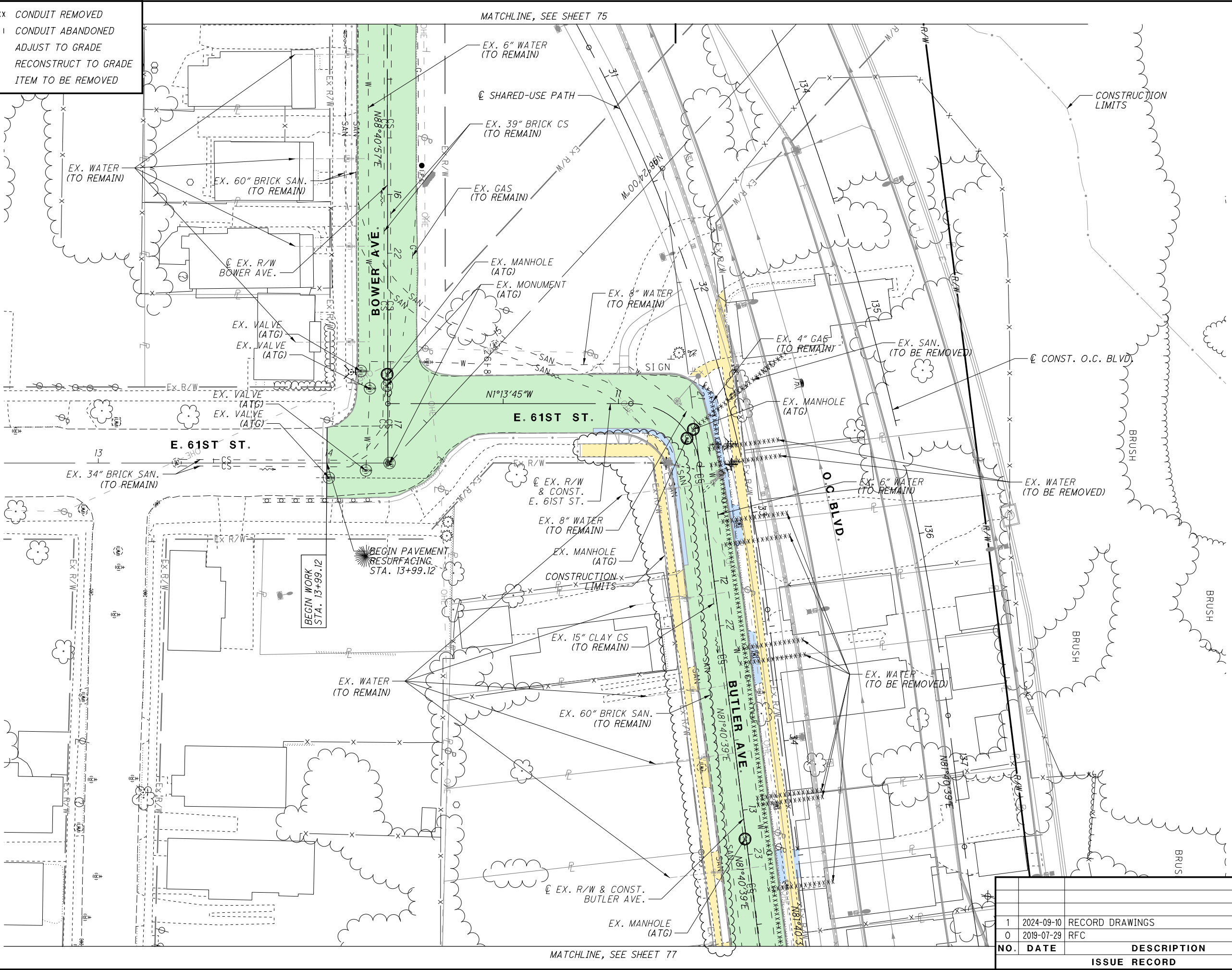
ADJUST TO GRADE

△

RECONSTRUCT TO GRADE

×

ITEM TO BE REMOVED



ISSUE RECORD		
NO.	DATE	DESCRIPTION
1	2024-09-10	RECORD DRAWINGS
0	2019-07-29	RFC

CUY-IR490/ SR010-2.09/ 19.28

76
303

DEMOLITION PLAN

E. 61ST ST. / BOWER AVE. / BUTLER AVE.

RECORD PLANS

CALCULATED JTH

CHECKED DUJ

RECORD PLANS

PAVEMENT
REMOVED

WALK
REMOVED

PAVEMENT
RESURFACING

xxxxxxx

CONDUIT REMOVED

|||||||

CONDUIT ABANDONED

○

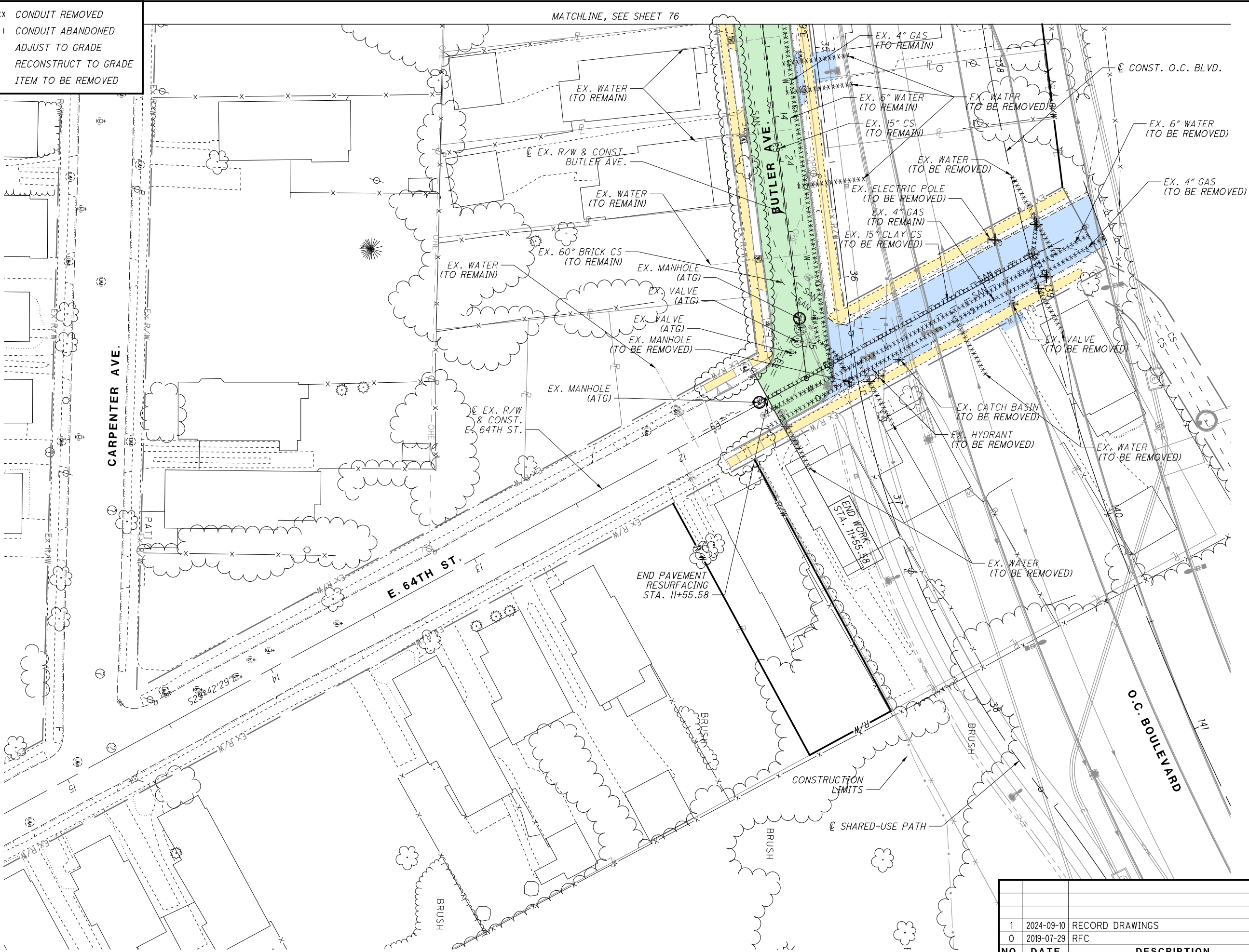
ADJUST TO GRADE

△

RECONSTRUCT TO GRADE

×

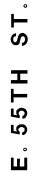
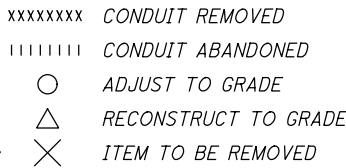
ITEM TO BE REMOVED



NO.	DATE	DESCRIPTION
1	2024-09-10	RECORD DRAWINGS
0	2019-07-29	RFC
ISSUE RECORD		



CALCULATED
JTH
CHECKED
DUJ



MATCHLINE, SEE SHEET 79

0	2019-07-29	RFC
NO.	DATE	DESCRIPTION
ISSUE RECORD		



PAVEMENT
REMOVED

WALK
REMOVED

PAVEMENT
RESURFACING

xxxxxxx

CONDUIT REMOVED

|||||||

CONDUIT ABANDONED

○

ADJUST TO GRADE

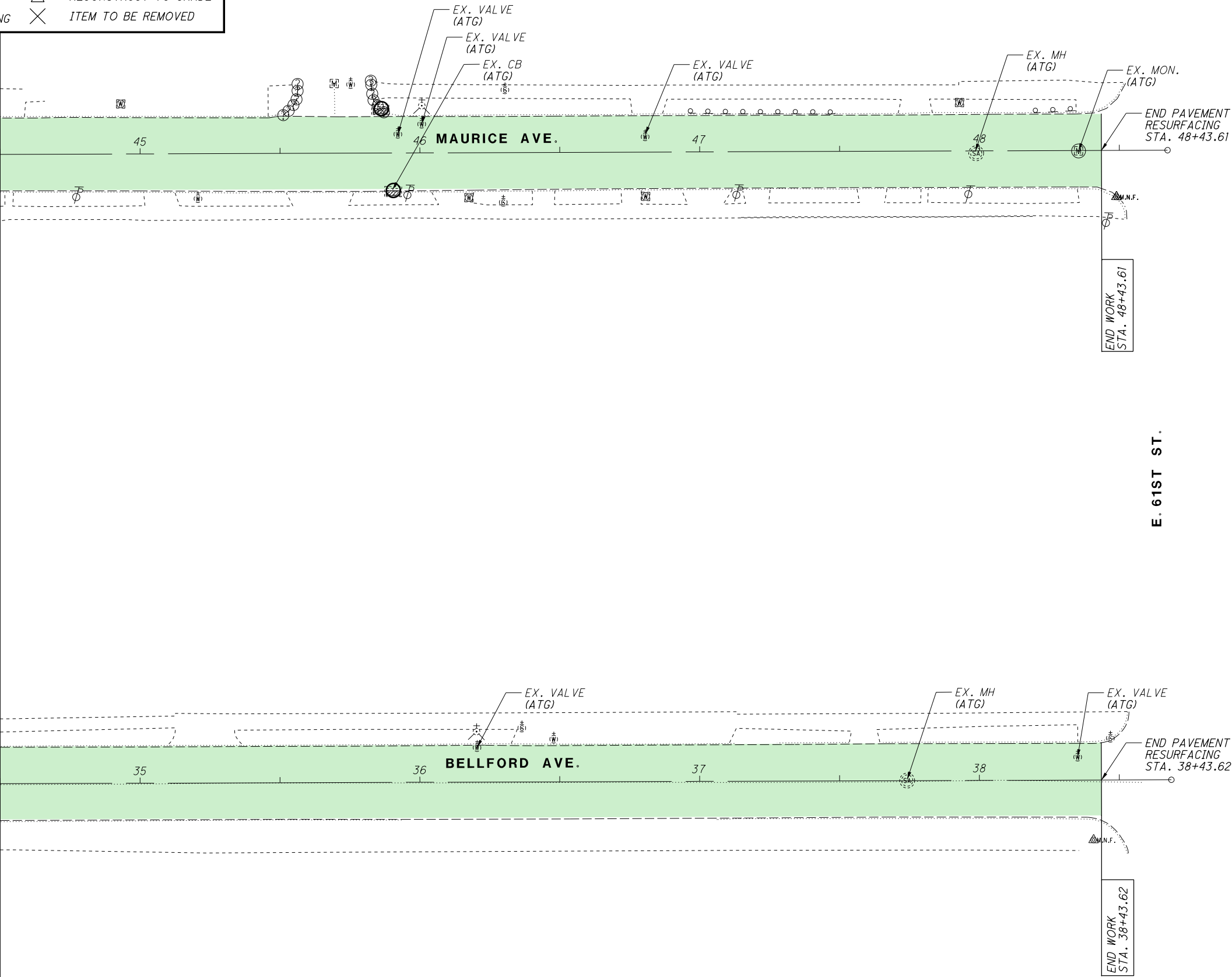
△

RECONSTRUCT TO GRADE

×

ITEM TO BE REMOVED

MATCHLINE, SEE SHEET 78



CONTRACTOR TO FIELD LOCATE SIDEWALK, CURB RAMP AND CURB FOR REMOVAL AND REPLACEMENT PER C&MS 202, AND AS DIRECTED BY THE ENGINEER.
NO MORE THAN 5000 SQ. FT. OF SIDEWALK, 1,000 FT OF CURB AND FOUR (4) CURB RAMPS IS ANTICIPATED.

0	2019-07-29	RFC
NO.	DATE	DESCRIPTION
ISSUE RECORD		

CUY-IR490/ SR010-
2.09 / 19.28

79
303

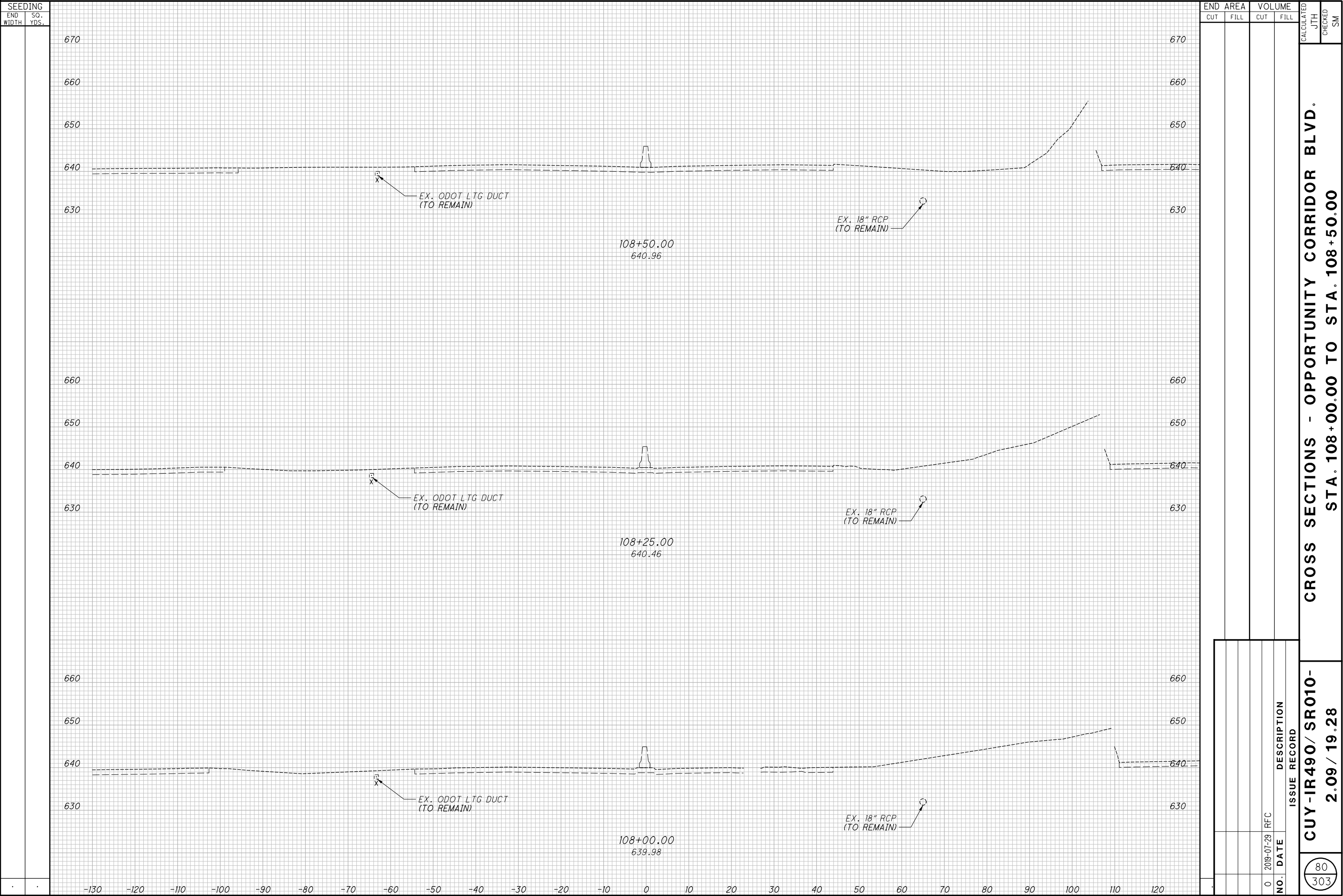
DEMOLITION PLAN
MAURICE AVE. & BELFORD AVE.

RECORD PLANS

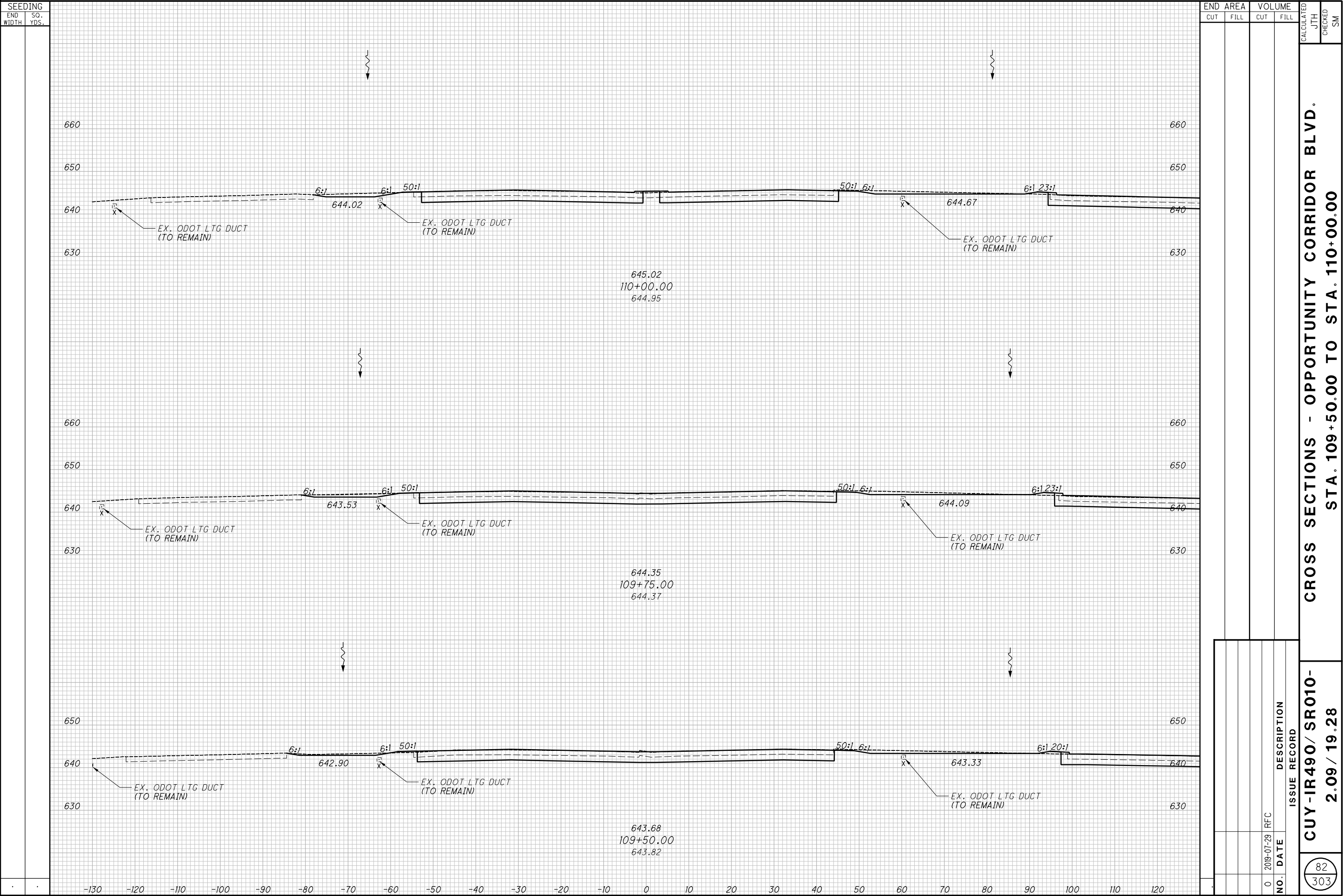
CALCULATED JTH
CHECKED DUJ

0 20 40
HORIZONTAL SCALE IN FEET

RECORD PLANS

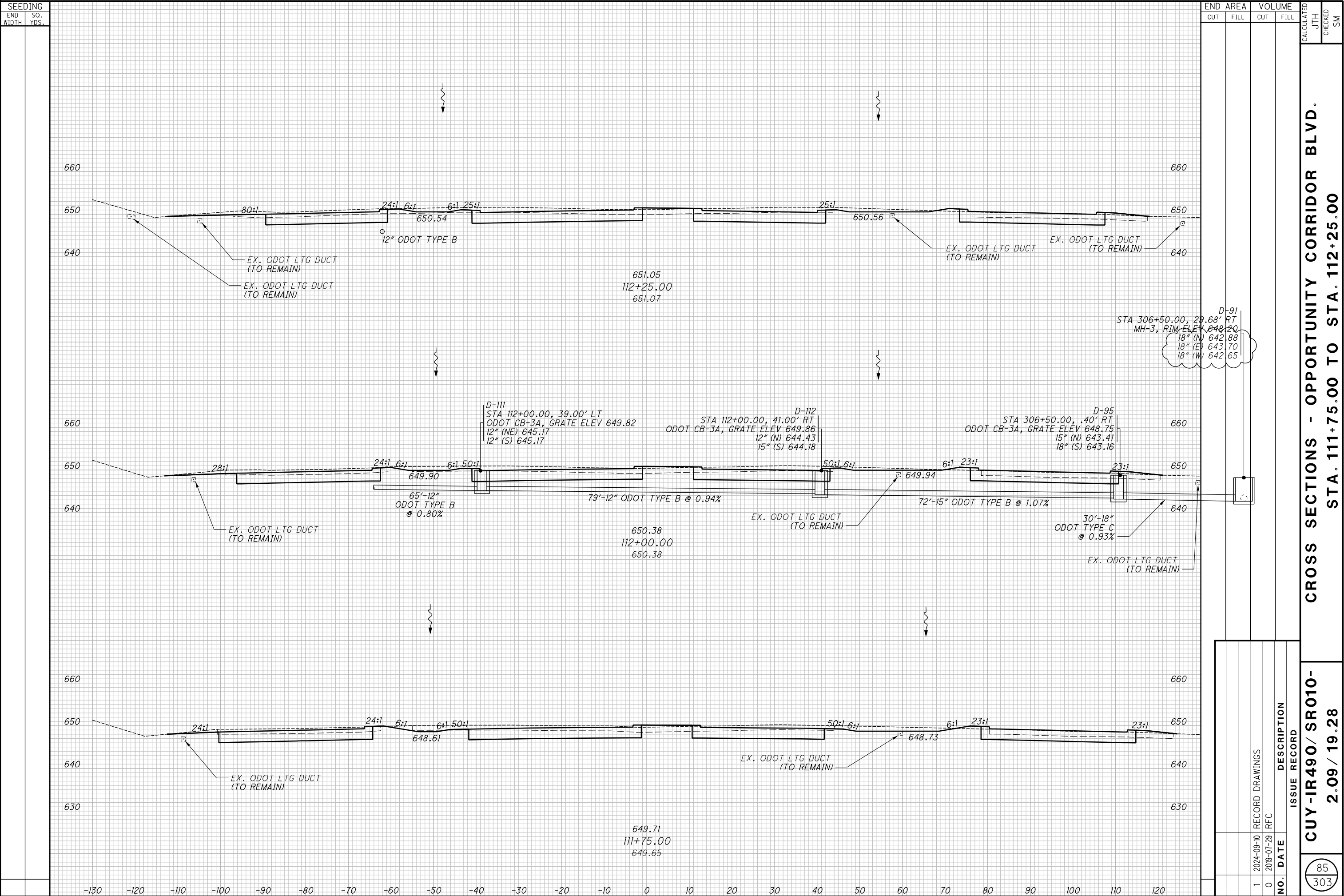


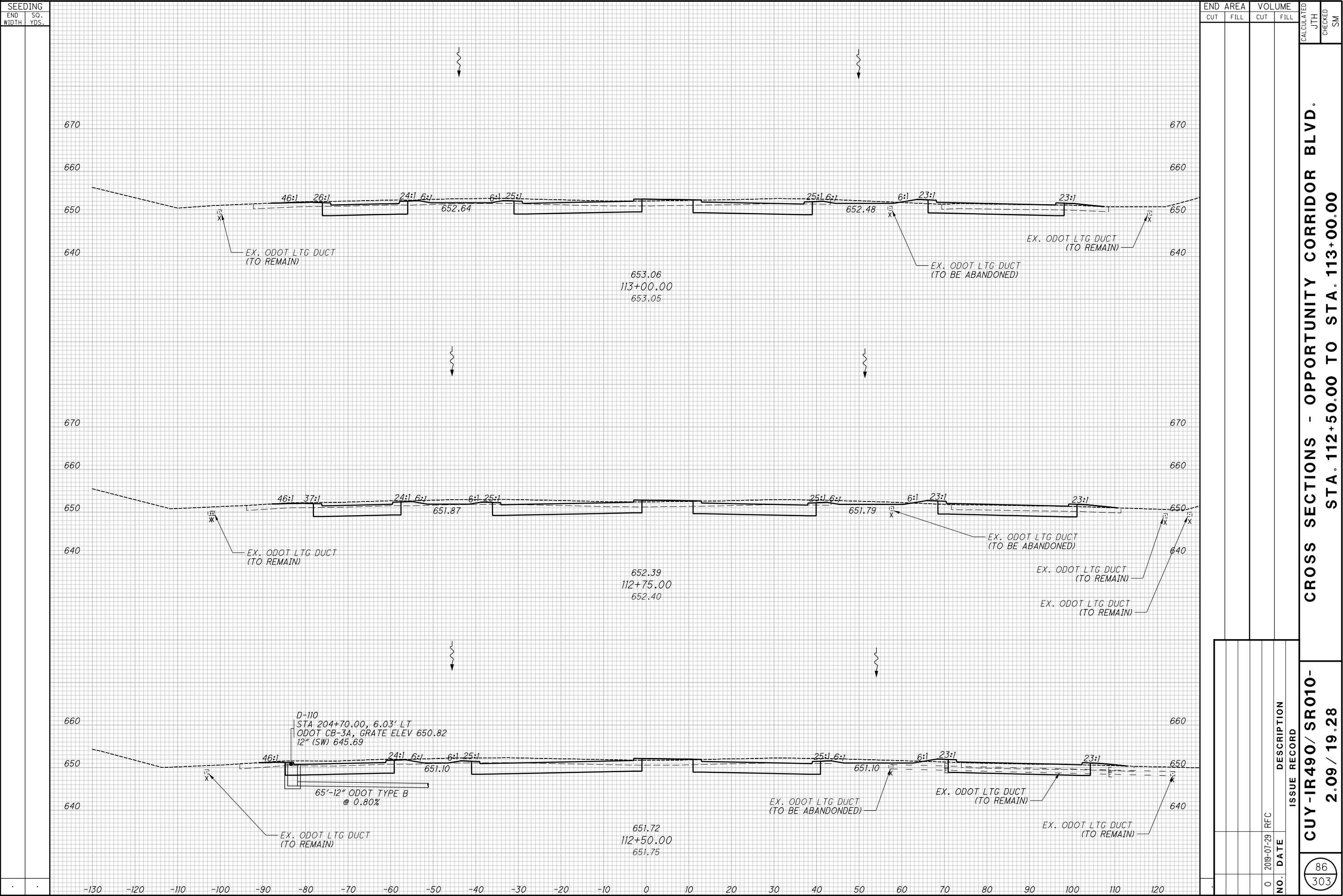
RECORD PLANS



RECORD PLANS

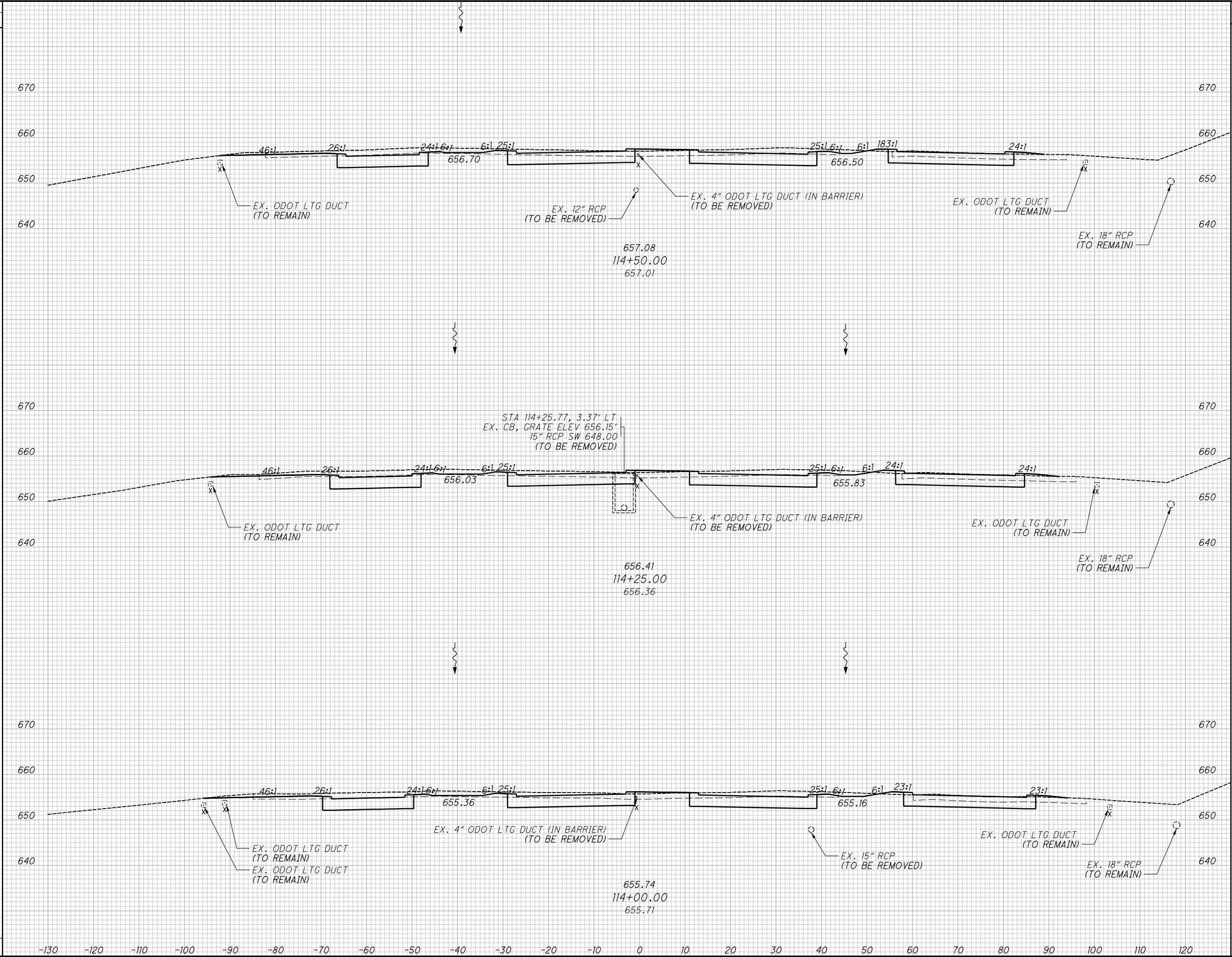
**CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
STA. 111+00.00 TO STA. 111+50.00**





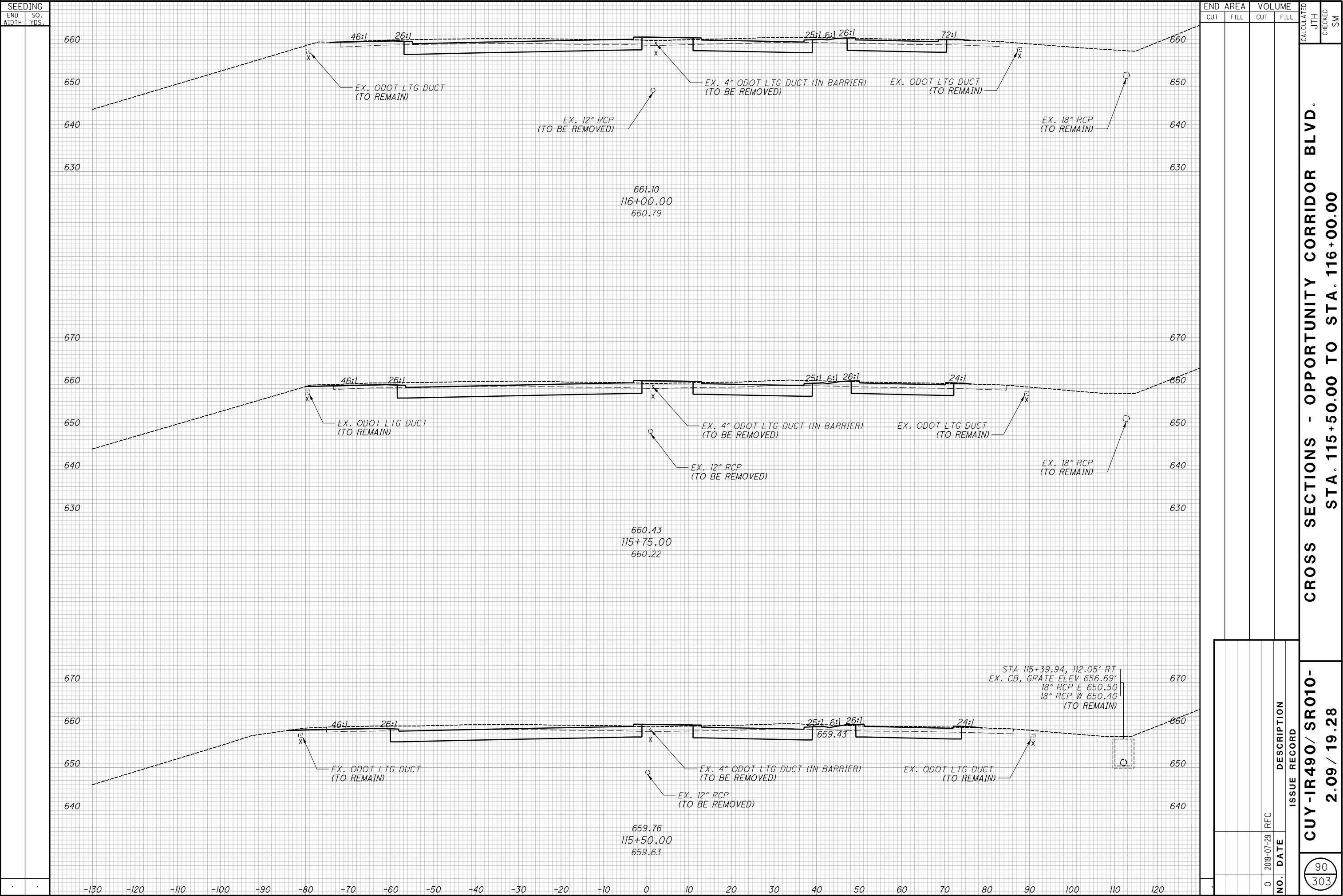
$$\frac{87}{303}$$

SEEDING	
END WIDTH	SO. YDS.



END AREA		VOLUME		CALCULATED JTH	CHECKED SM
CUT	FILL	CUT	FILL		
CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.					
STA. 114+00.00 TO STA. 114+50.00					
RECORD PLANS					
CUY-IR490/ SR010-		2.09 / 19.28		88	
NO. DATE		DESCRIPTION		ISSUE RECORD	
0	2019-07-29	RFC			

RECORD PLANS

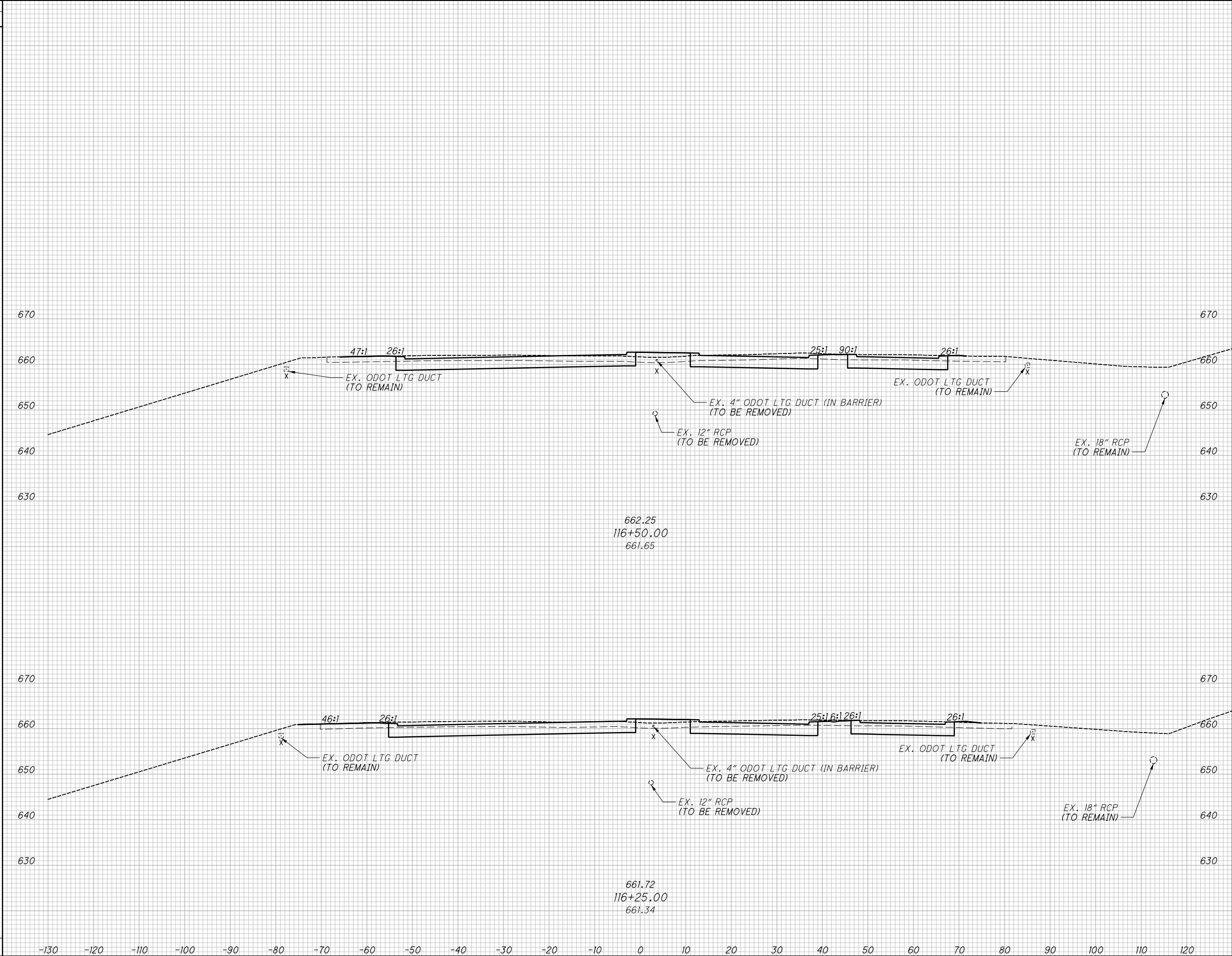


CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
STA. 115+50.00 TO STA. 116+00.00

CUY-IR490/ SR010-
2.09 / 19.28

SEEDING	
END WIDTH	SO. YDS.

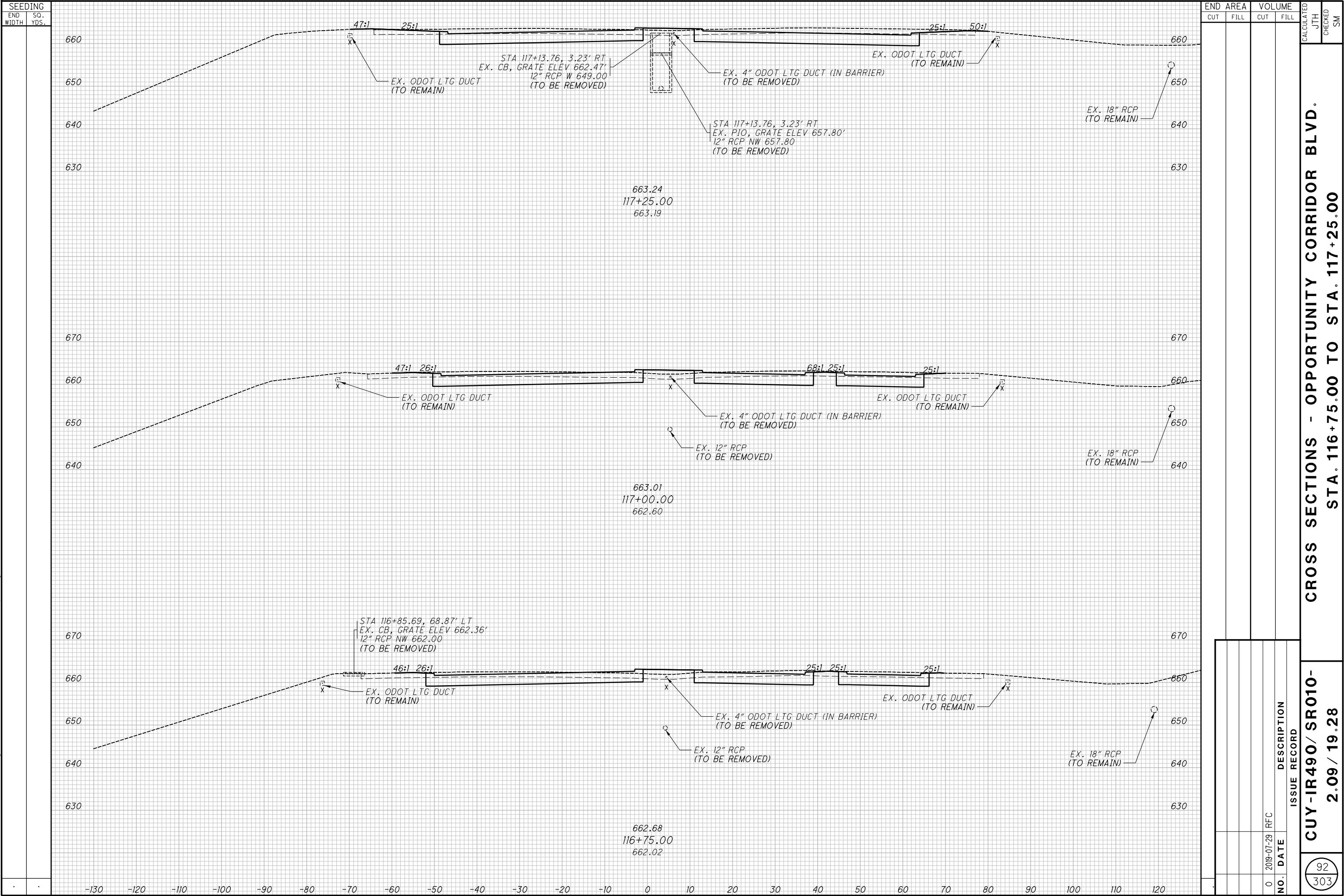
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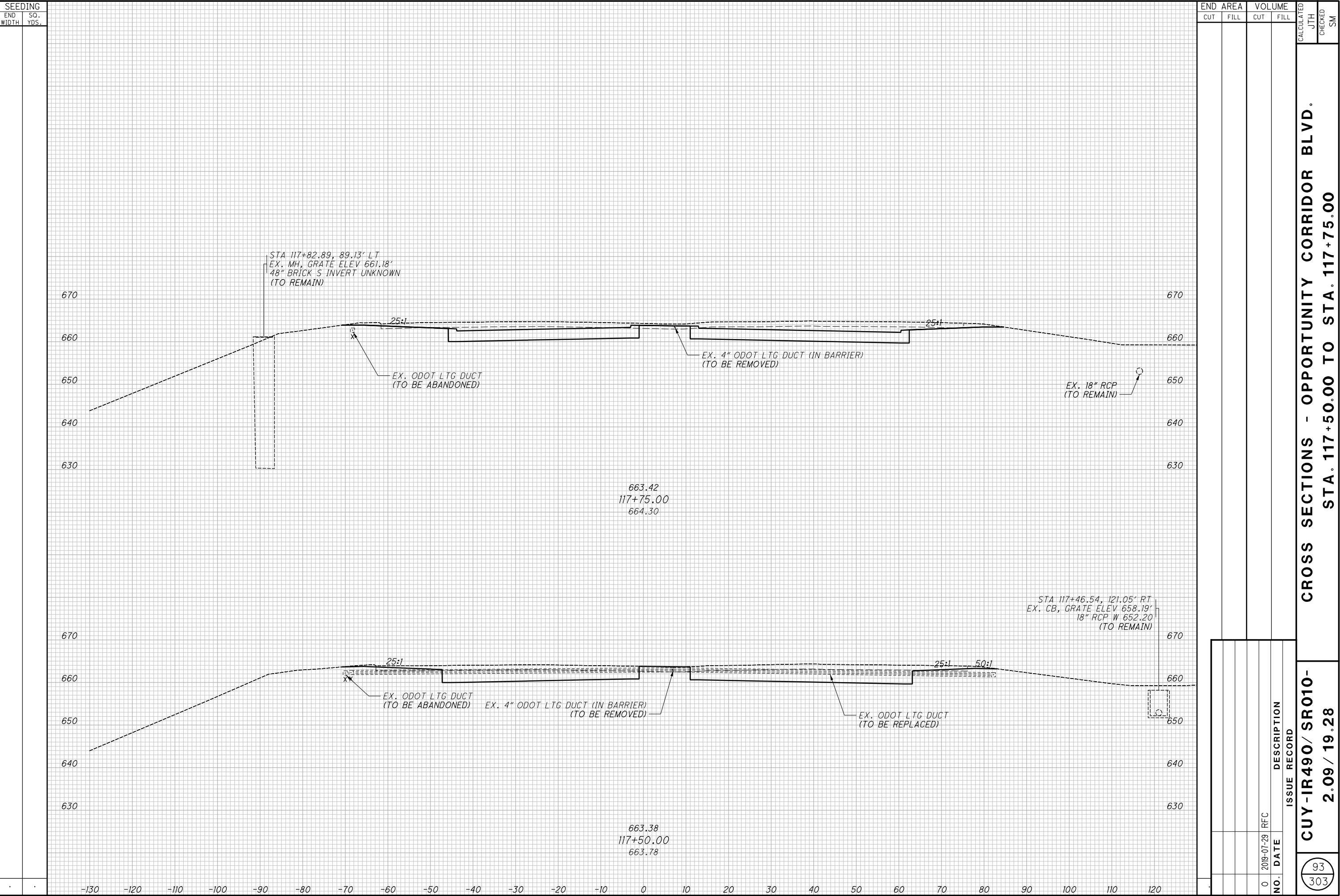


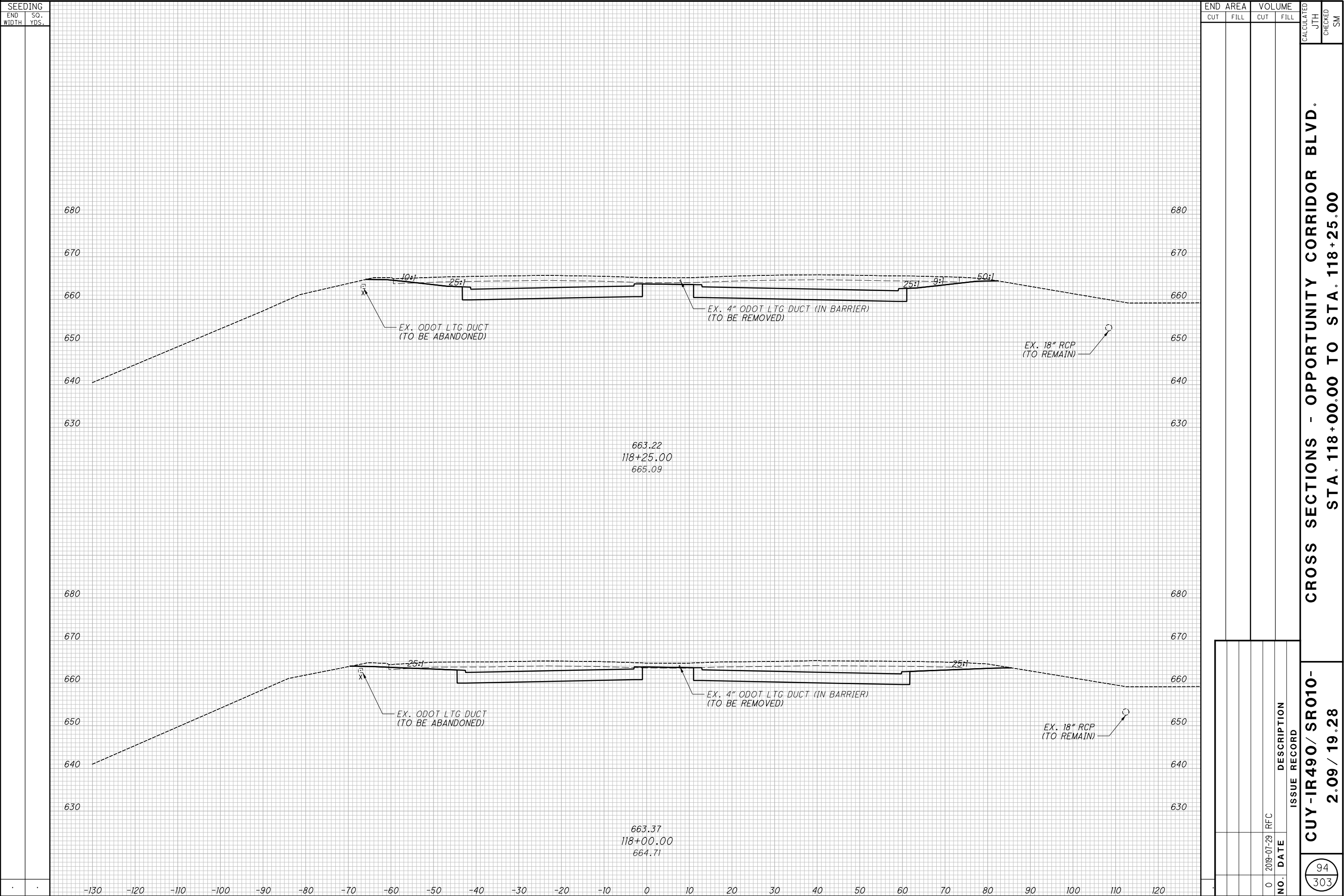
END AREA		VOLUME	
CUT	FILL	CUT	FILL

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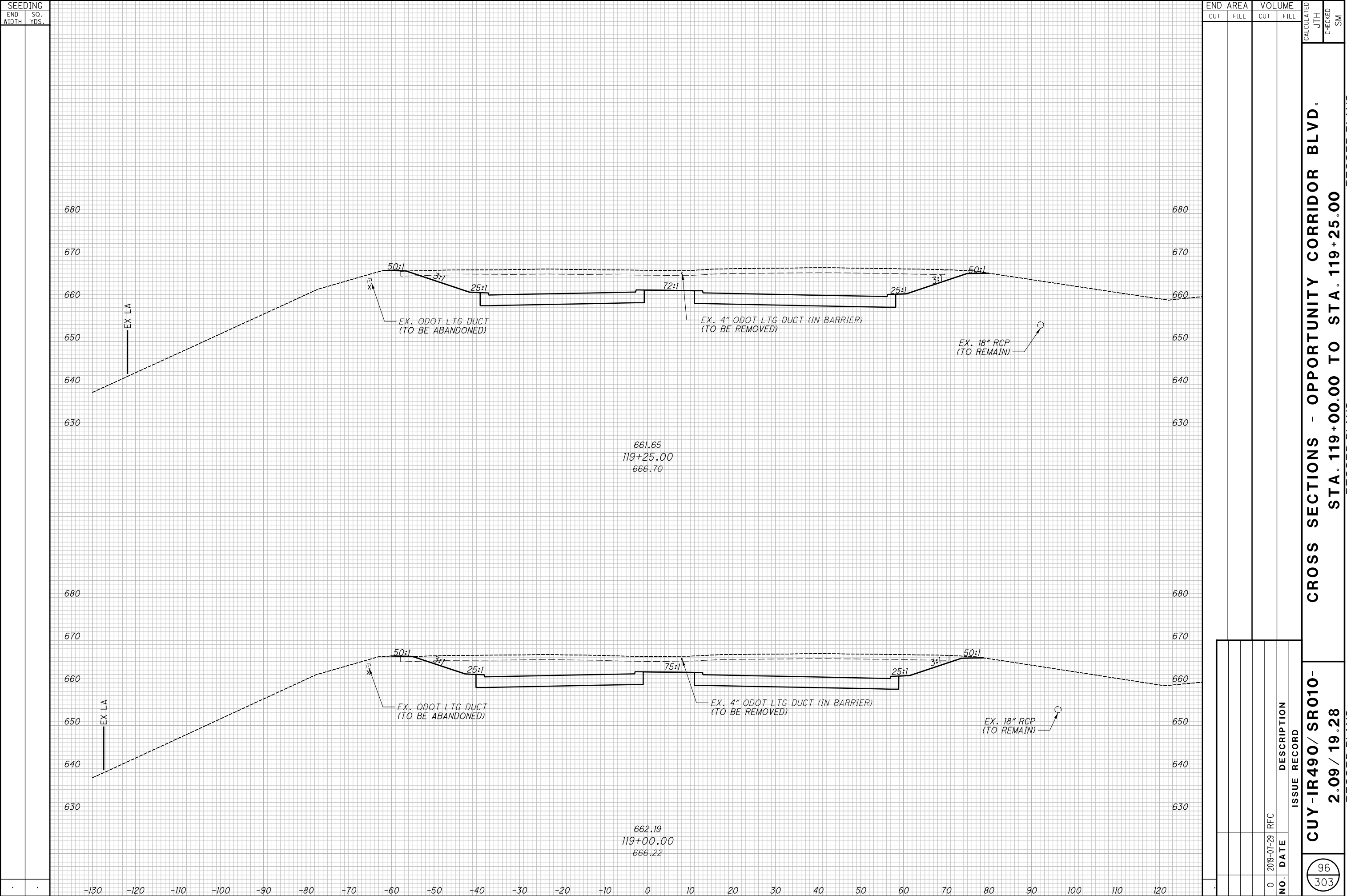
ISSUE RECORD		CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.	
NO.	DATE	DESCRIPTION	STA. 116+25.00 TO STA. 116+50.00
0	2019-07-29	RFC	





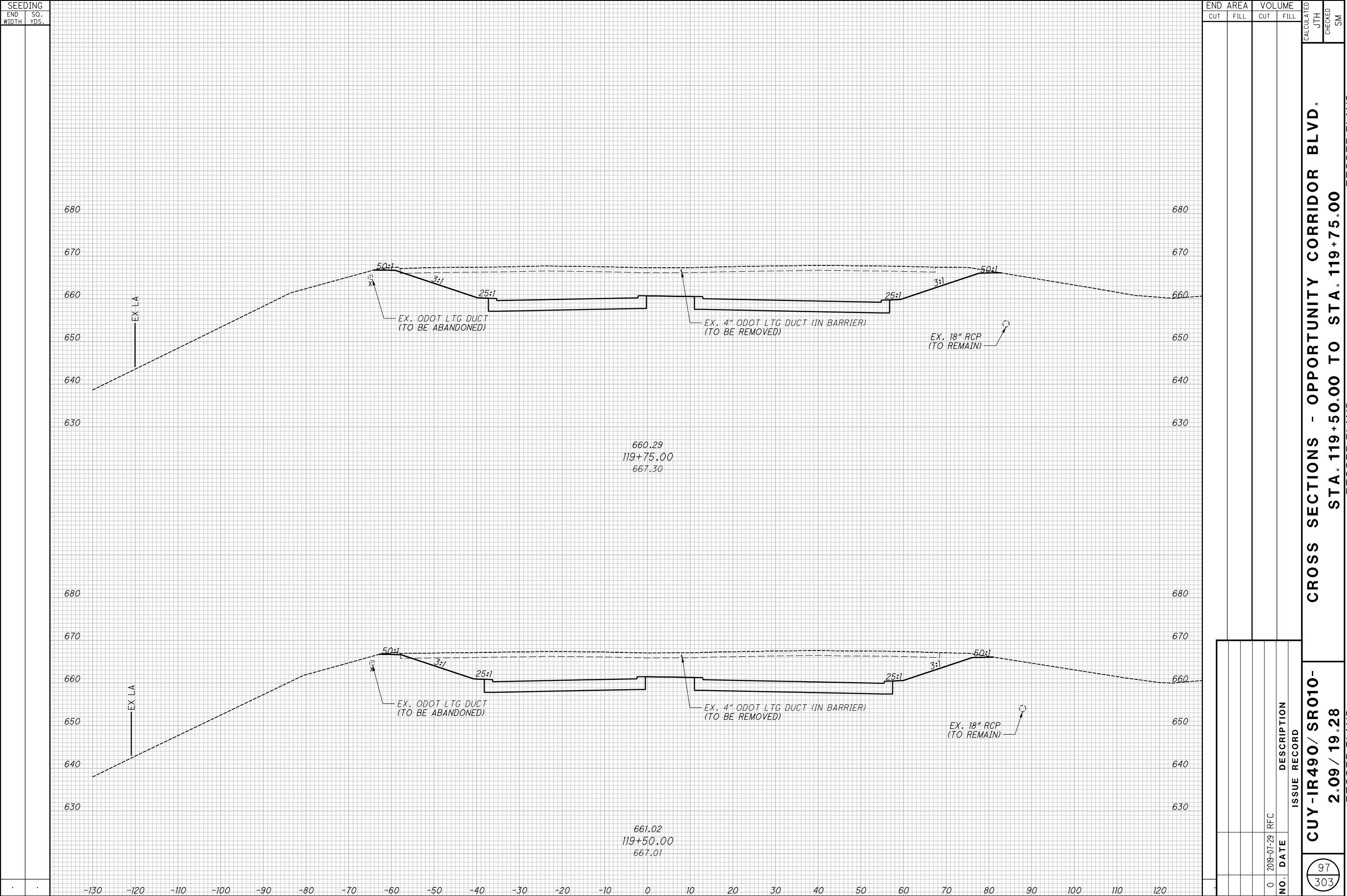


95
303



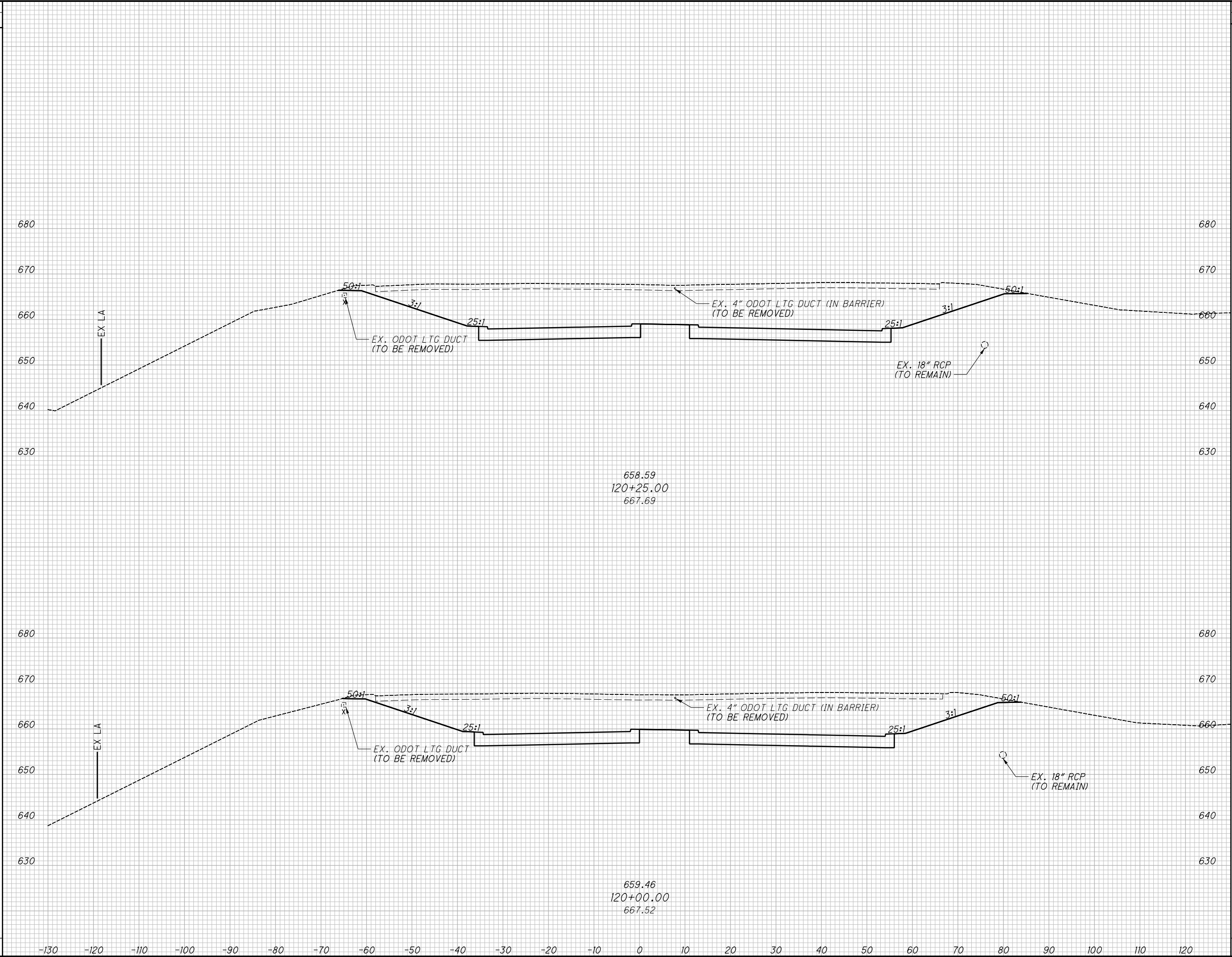
CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
STA. 119+00.00 TO STA. 119+25.00

CUY-IR490/ SR010-
2.09 / 19.28



SEEDING	
END WIDTH	SO. YDS.

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END AREA		VOLUME	
CUT	FILL	CUT	FILL

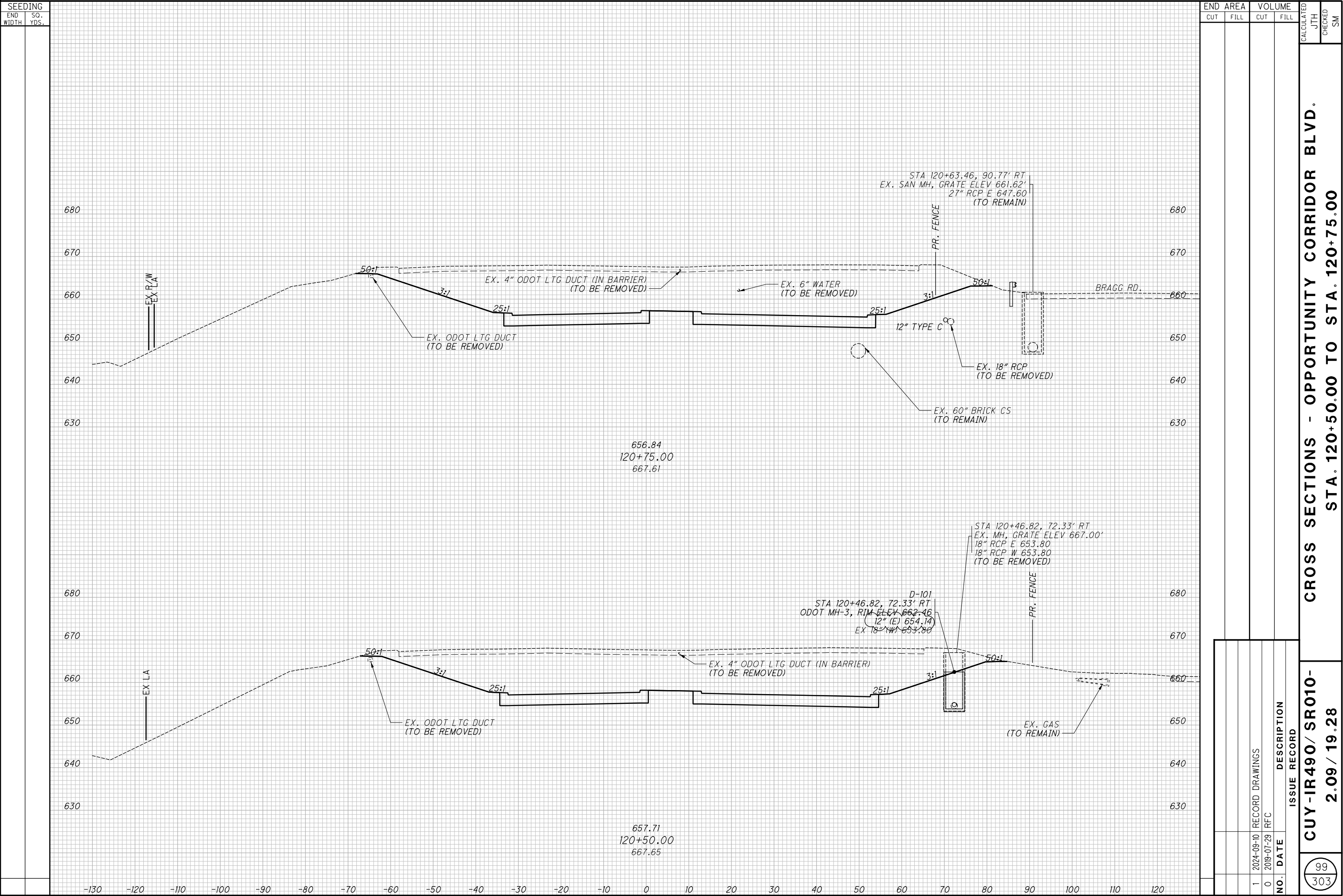
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CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
STA. 120+00.00 TO STA. 120+25.00

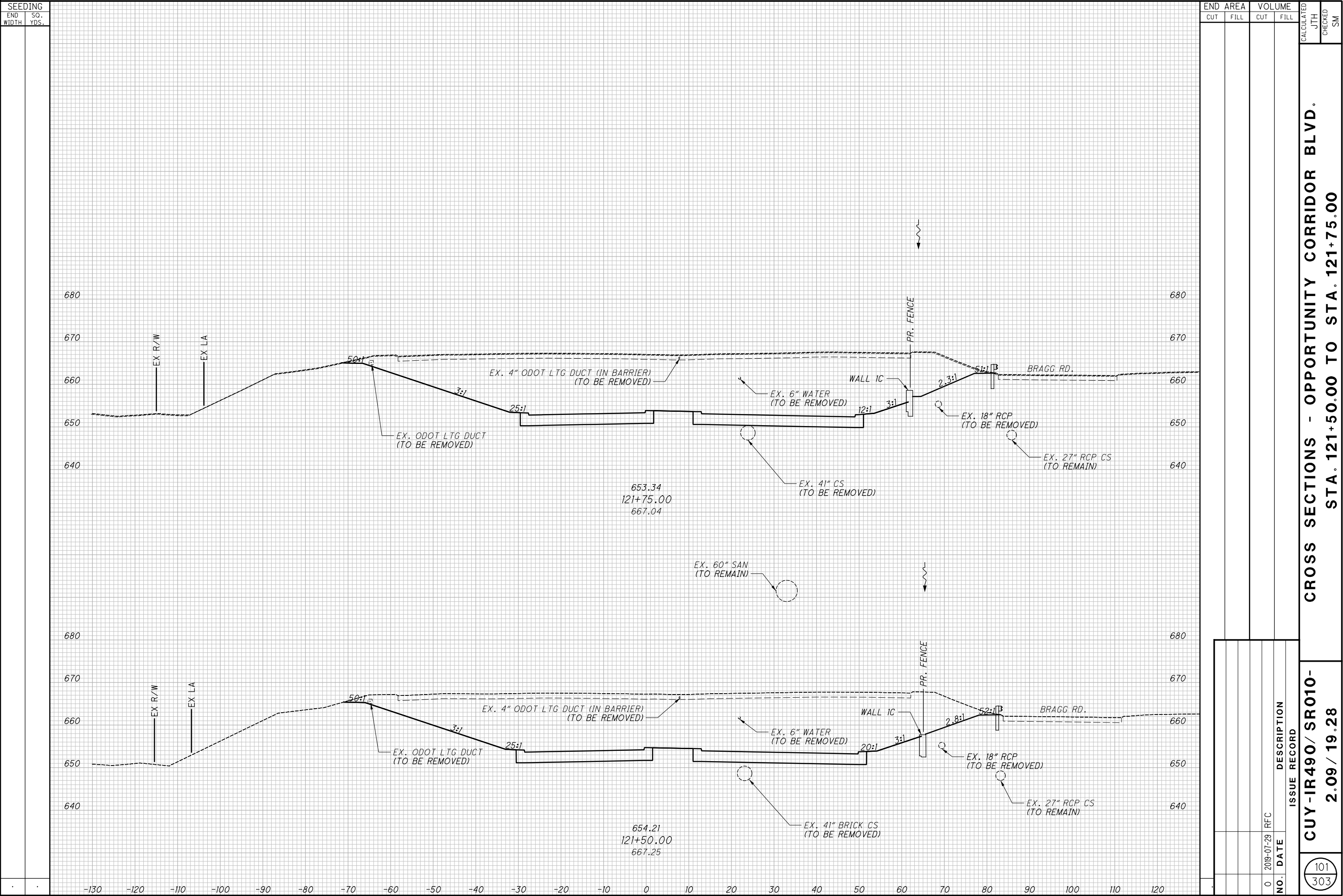
CUY-IR490/ SR010-
2.09 / 19.28

98
303

RECORD PLANS

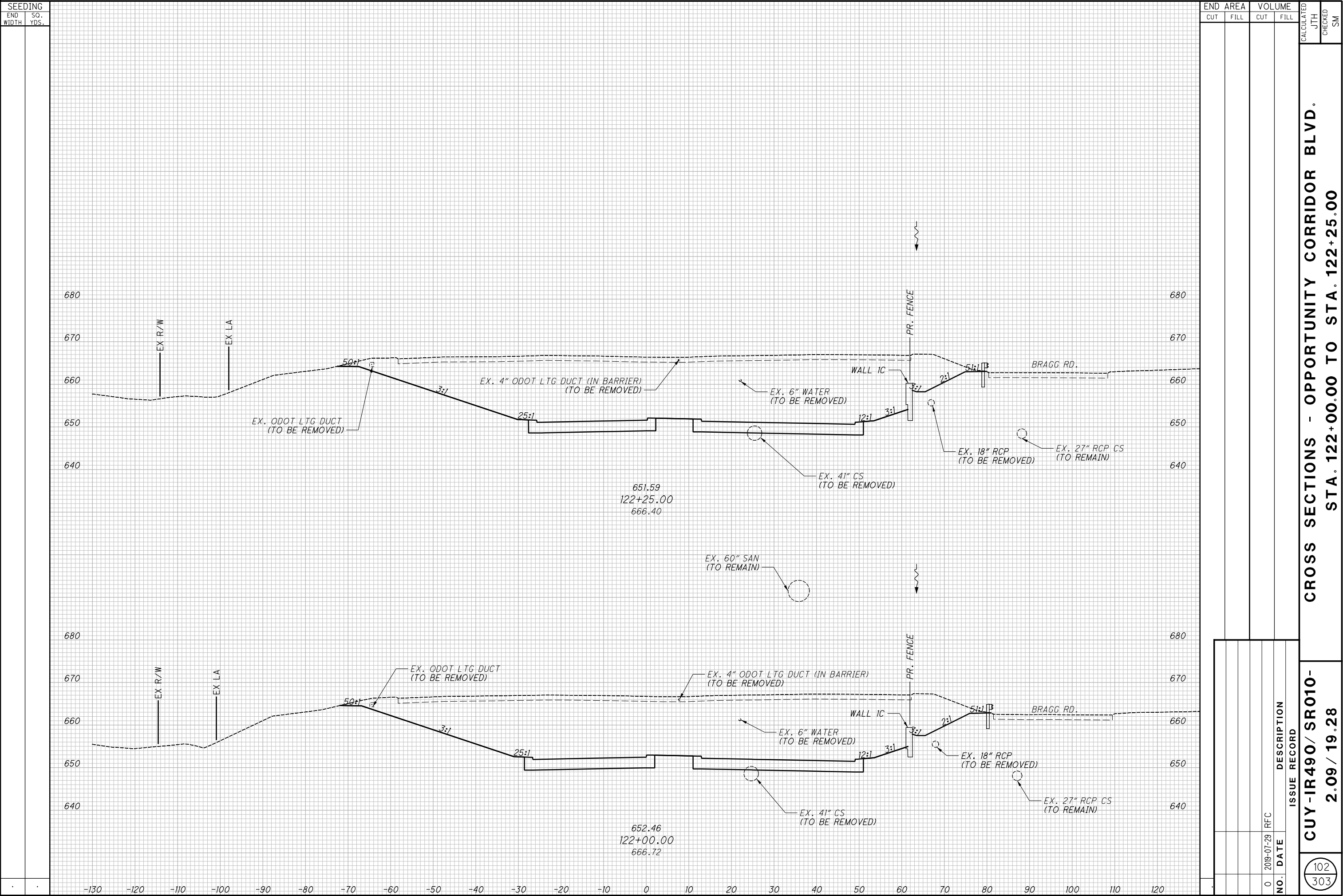


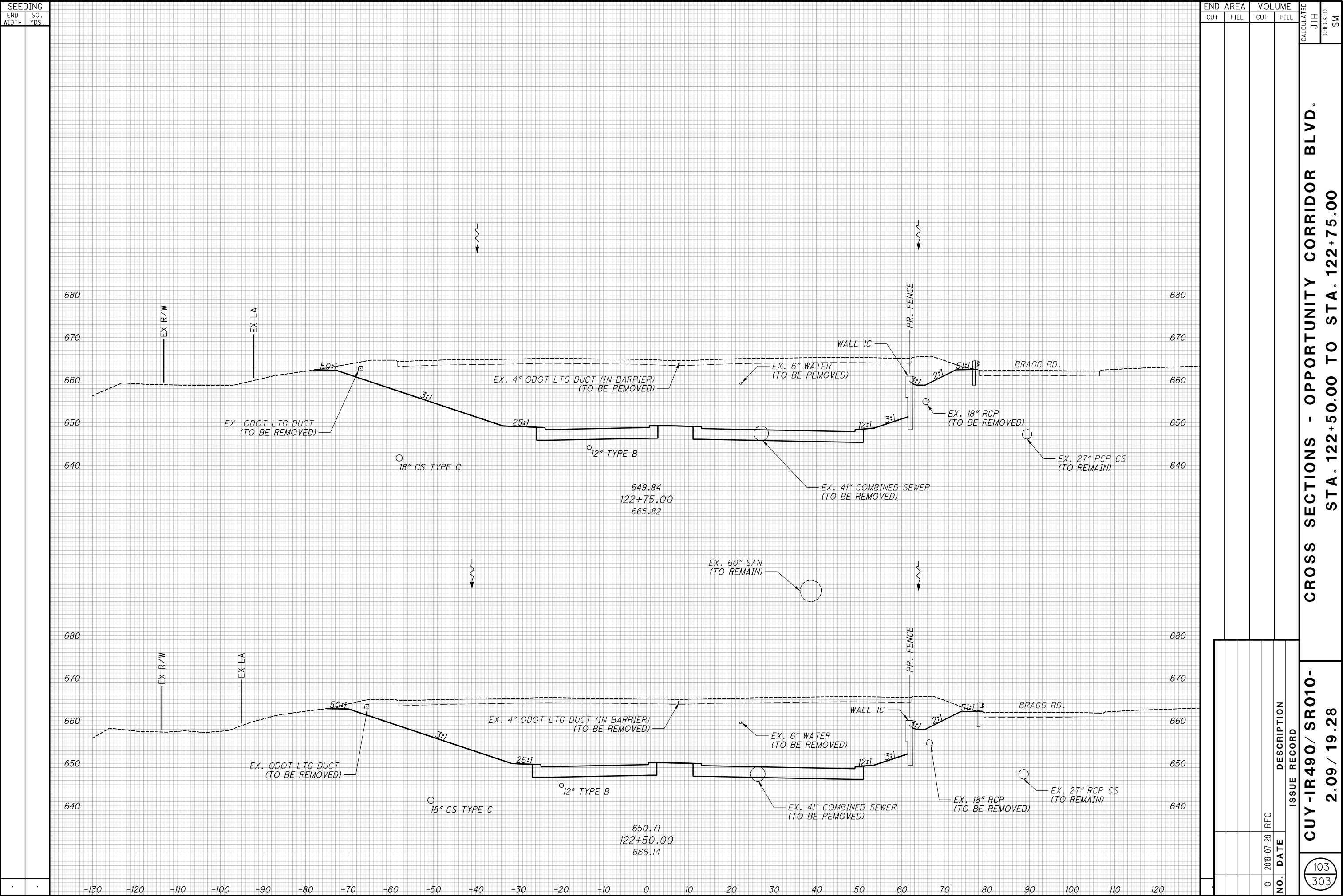
$$\frac{100}{303}$$



CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
STA. 121+50.00 TO STA. 121+75.00

CUY-IR490/ SR010-
2.09 / 19.28



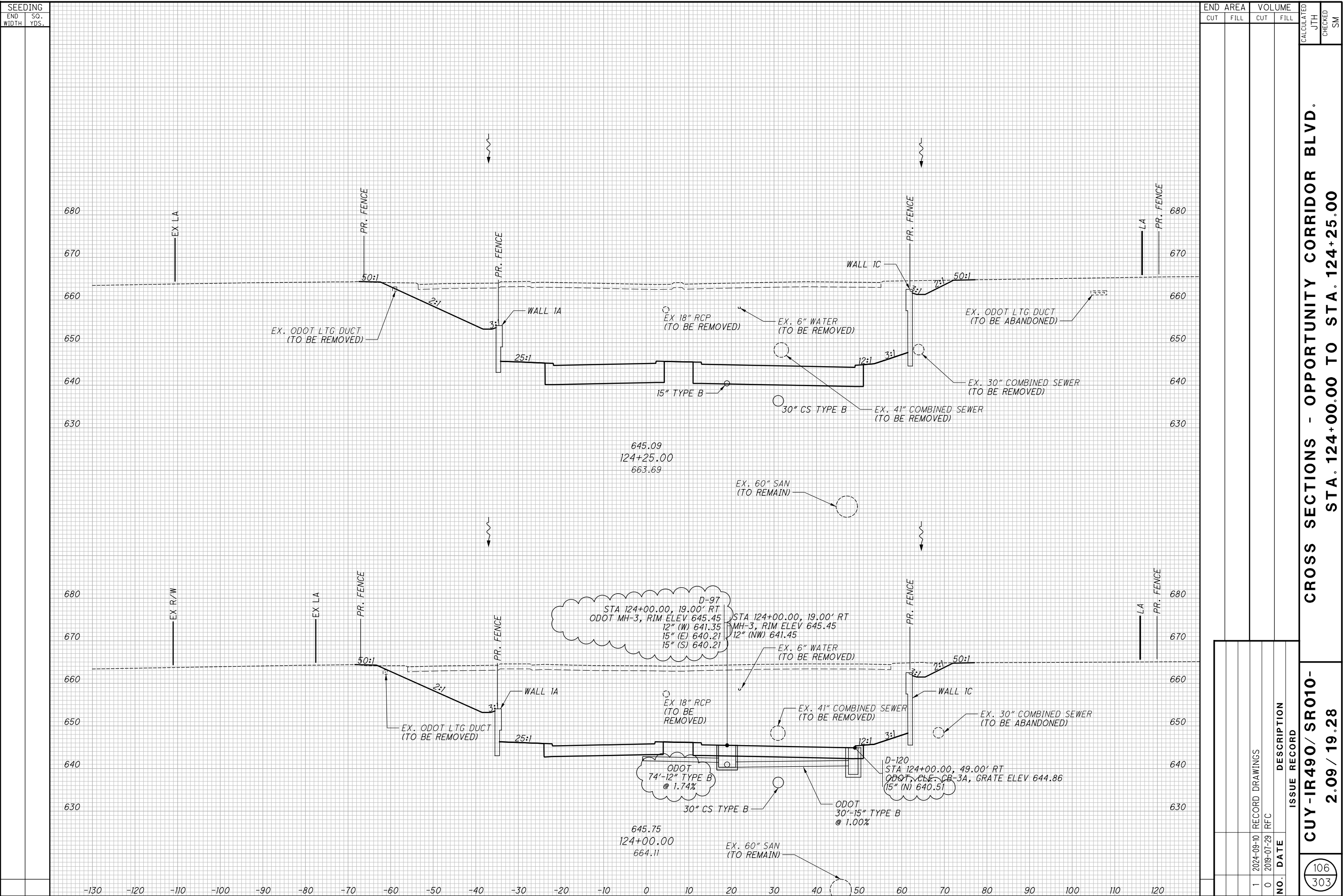


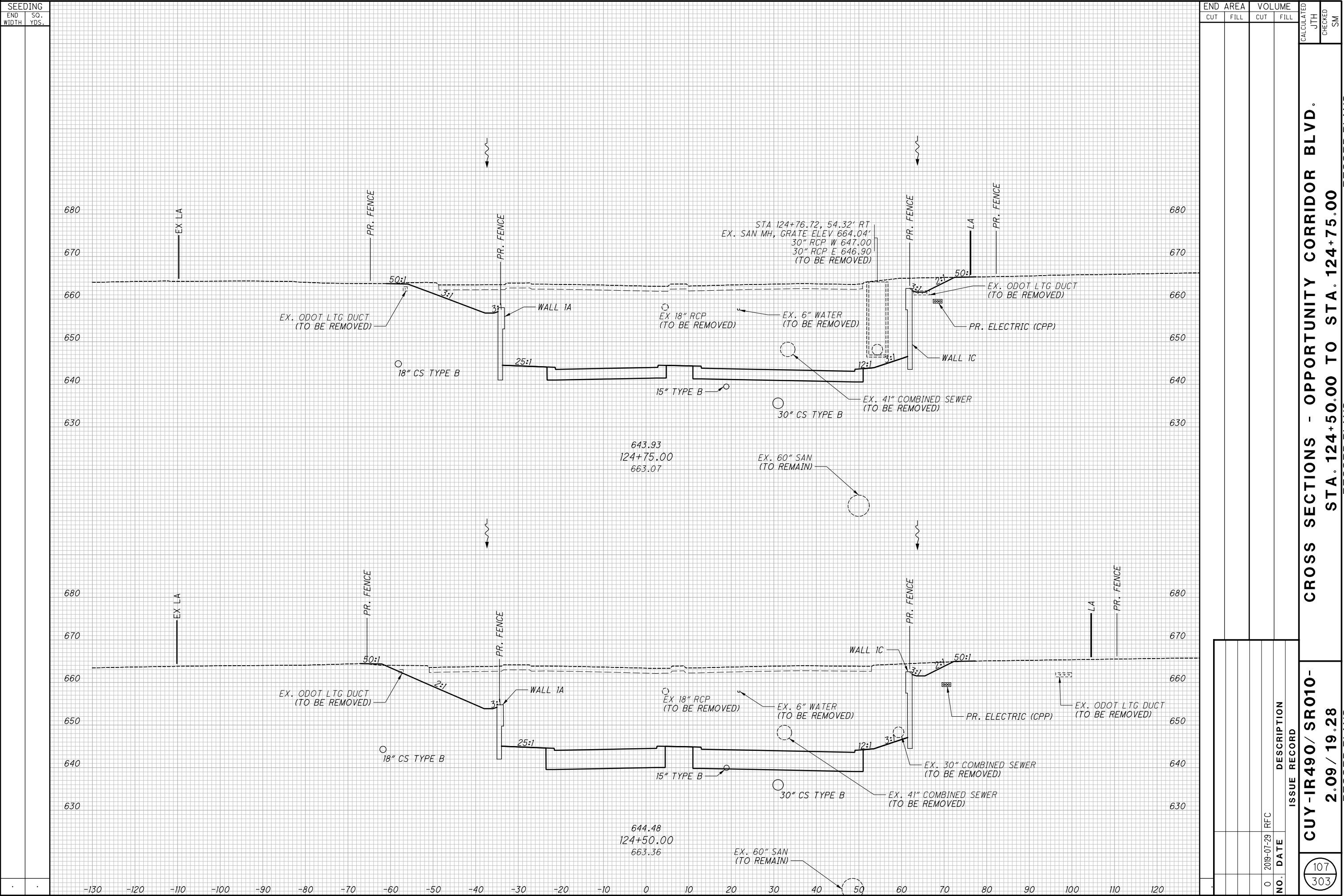
CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
STA. 122+50.00 TO STA. 122+75.00

CUY-IR490/ SR010-
2.09 / 19.28

$$\frac{104}{303}$$

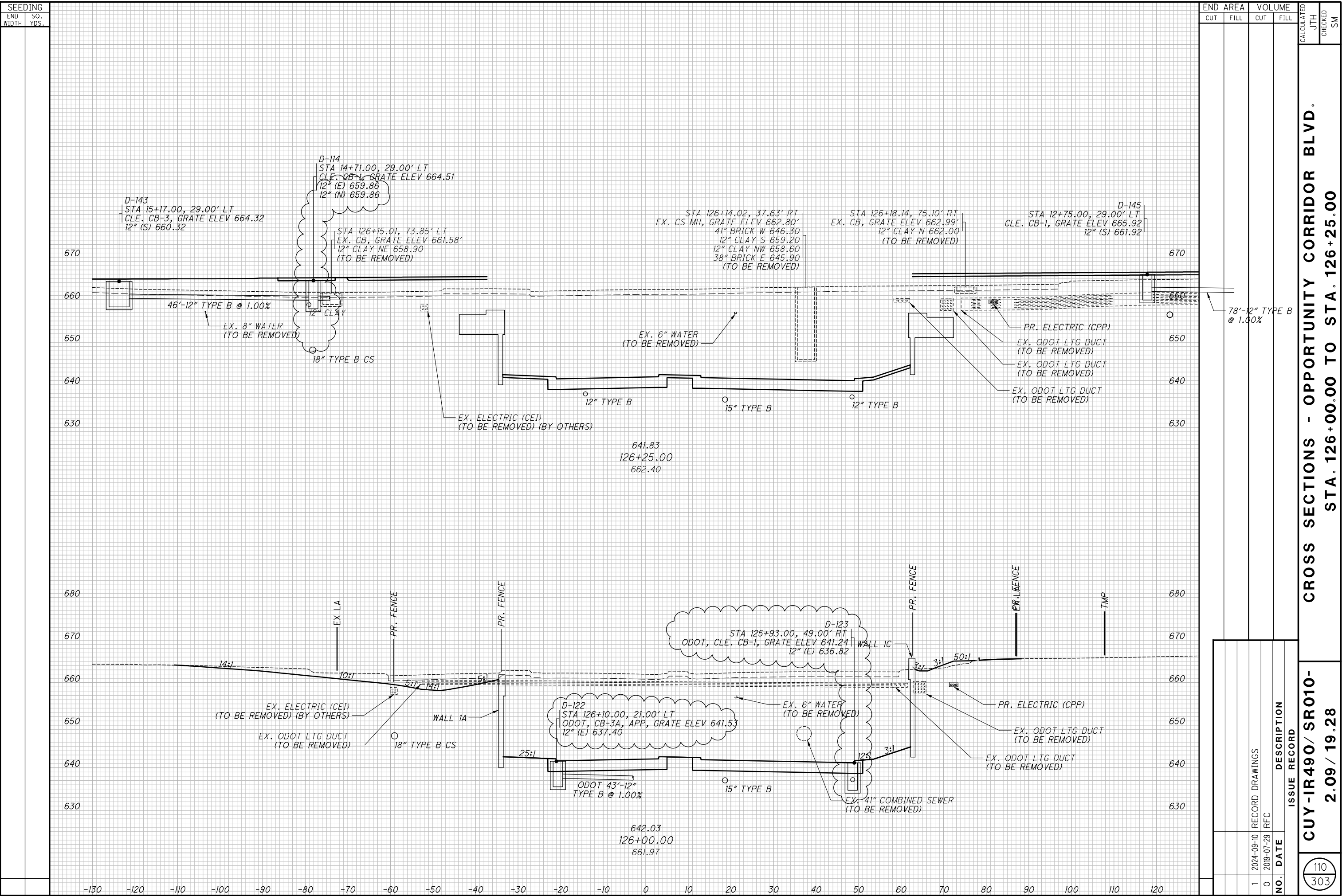
$$\frac{105}{303}$$

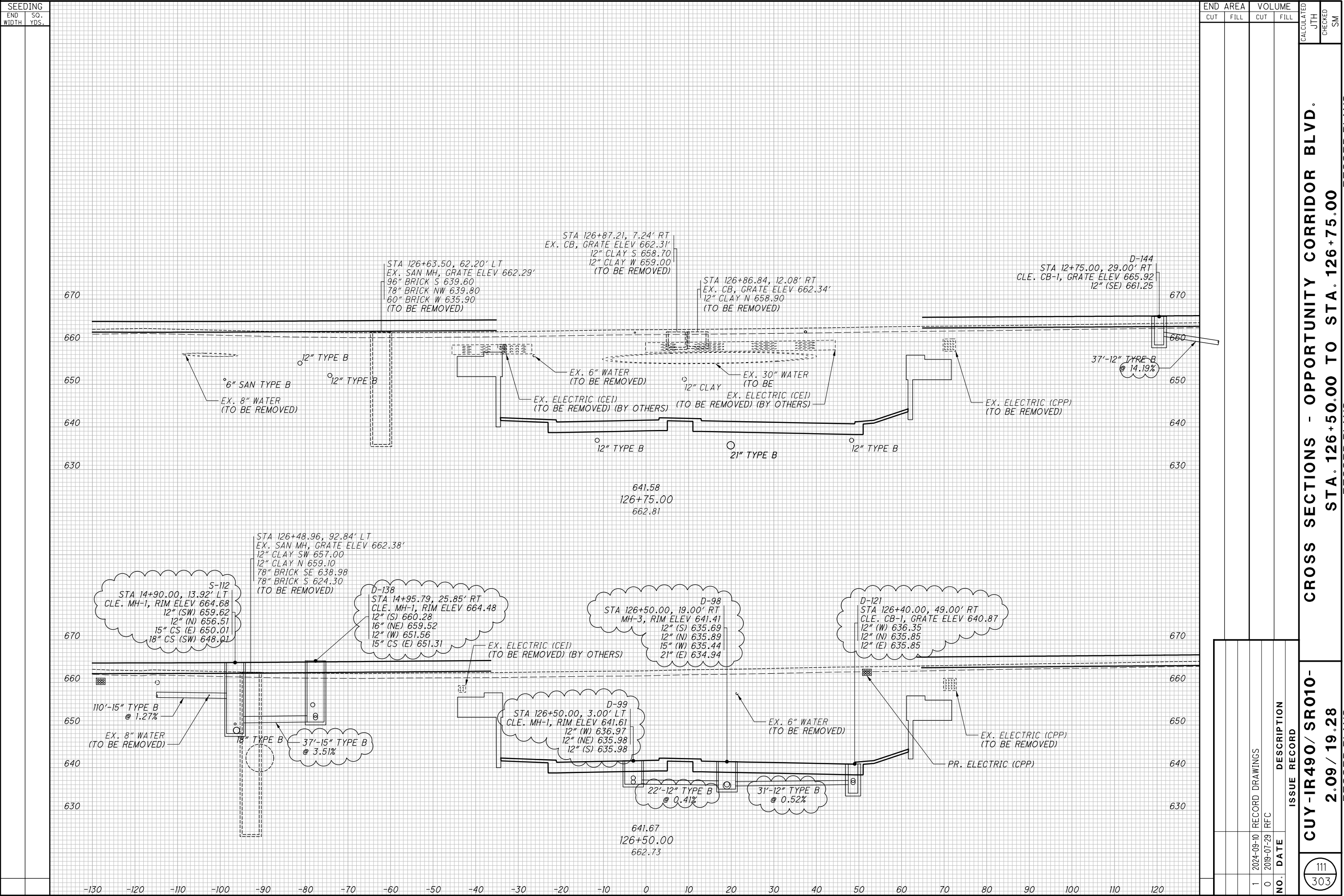




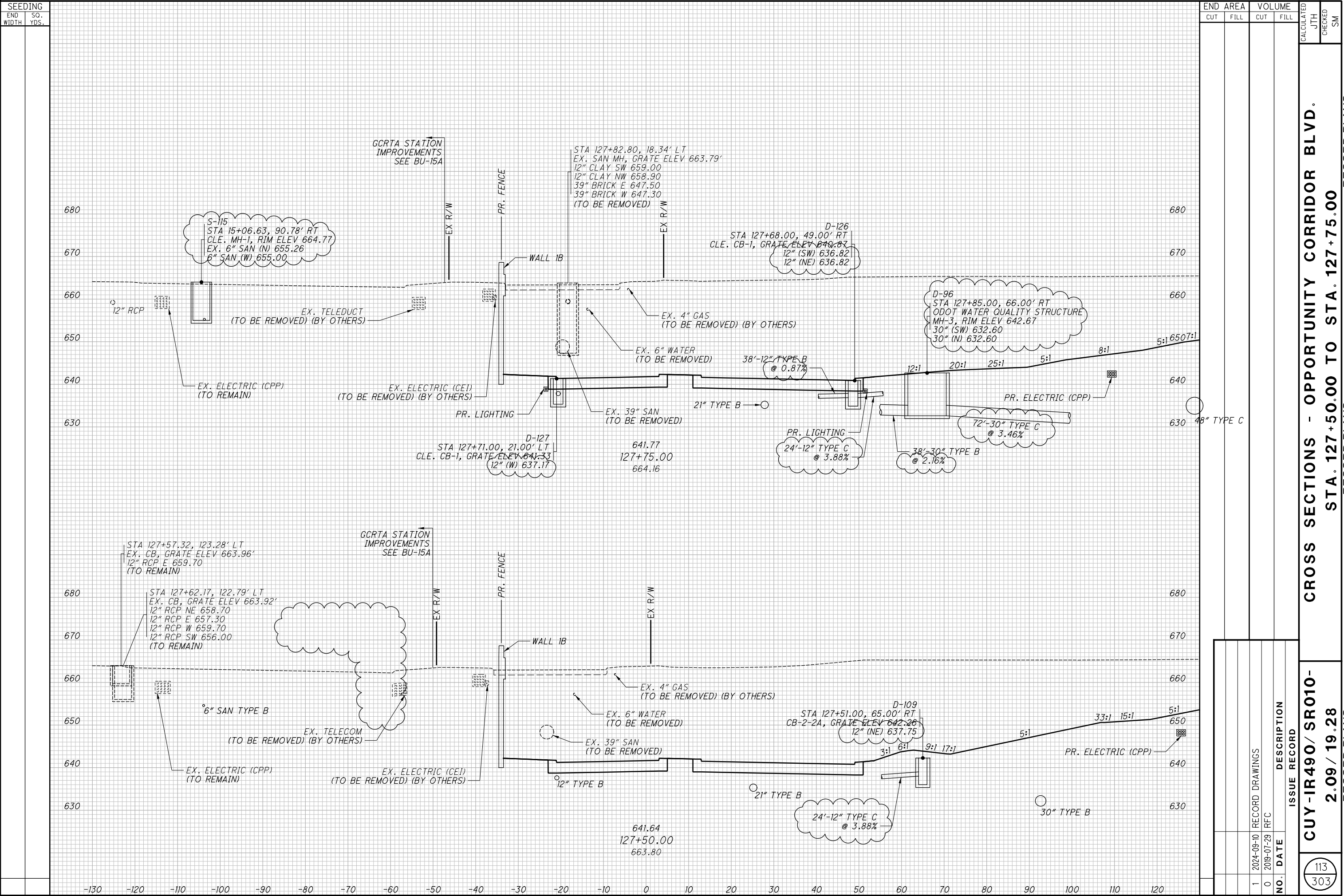
$$\frac{108}{303}$$

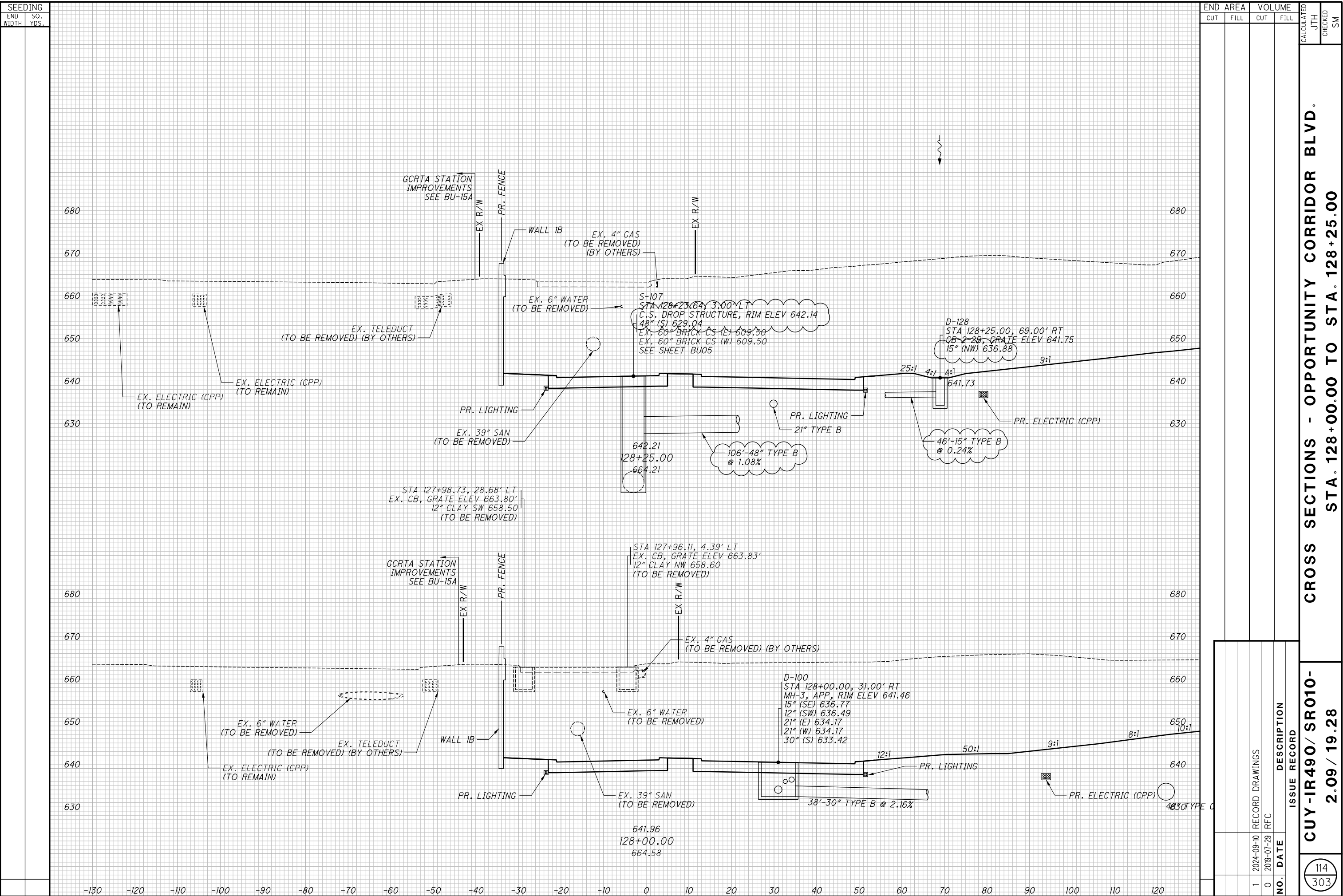
109
303

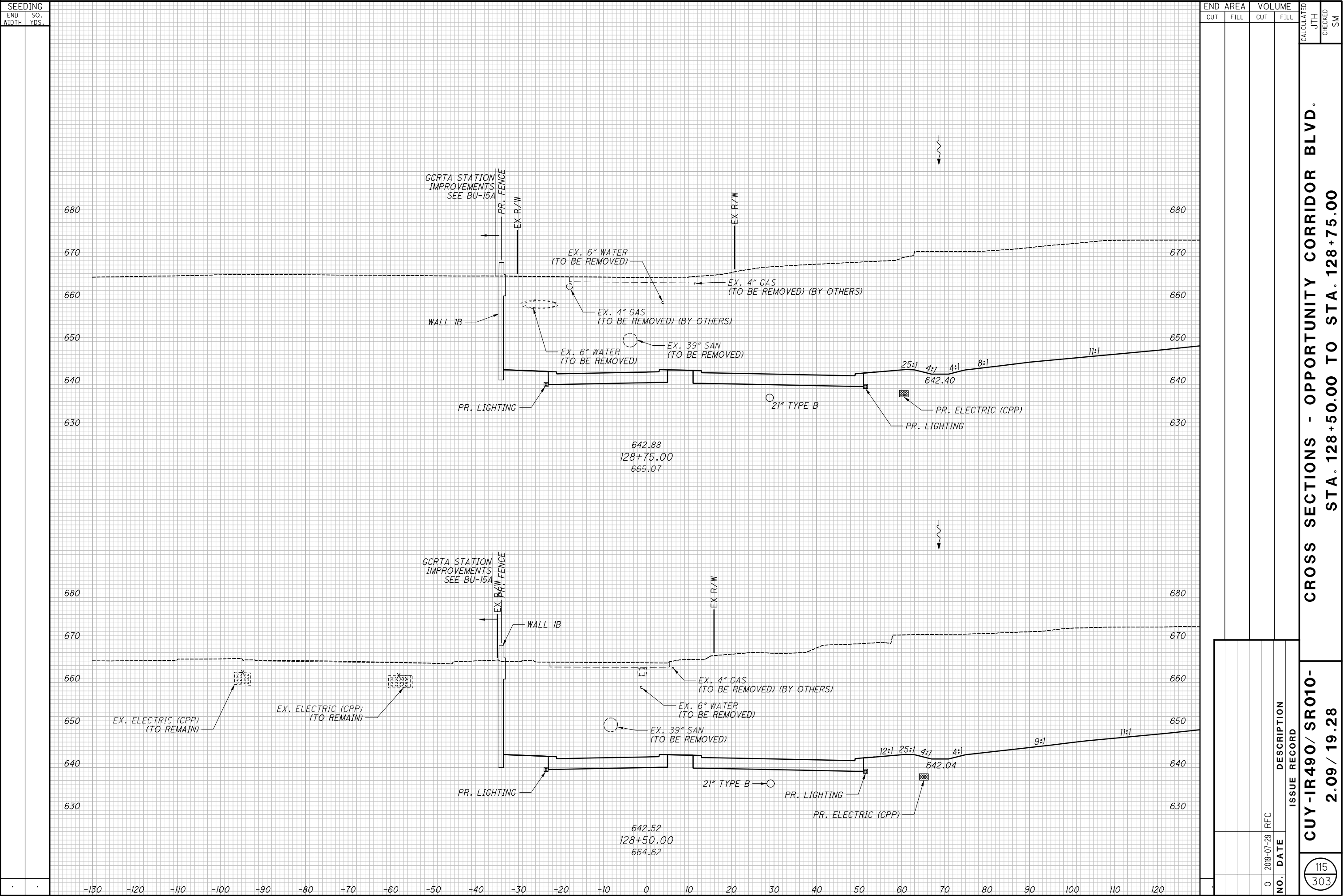


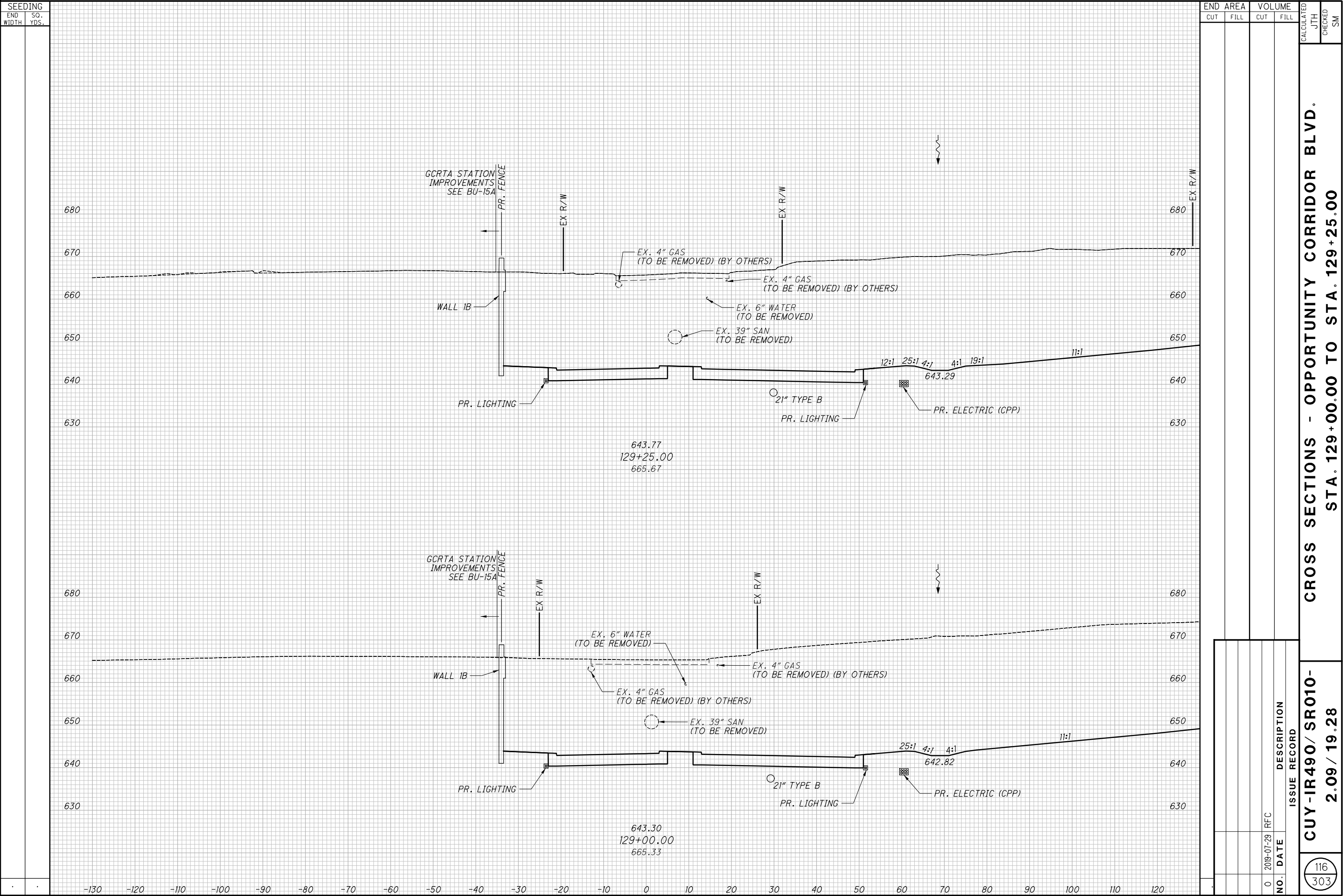


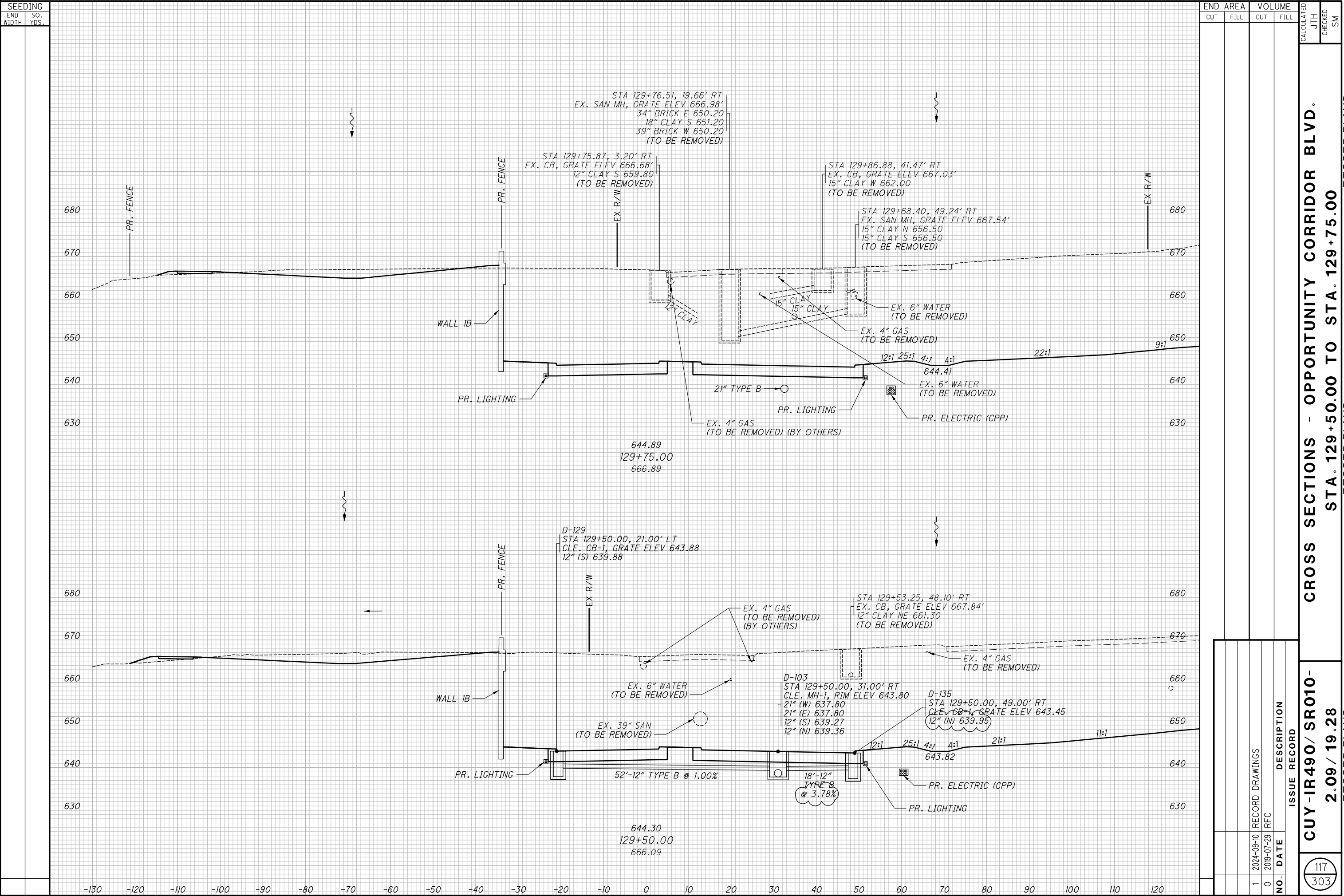
112
303



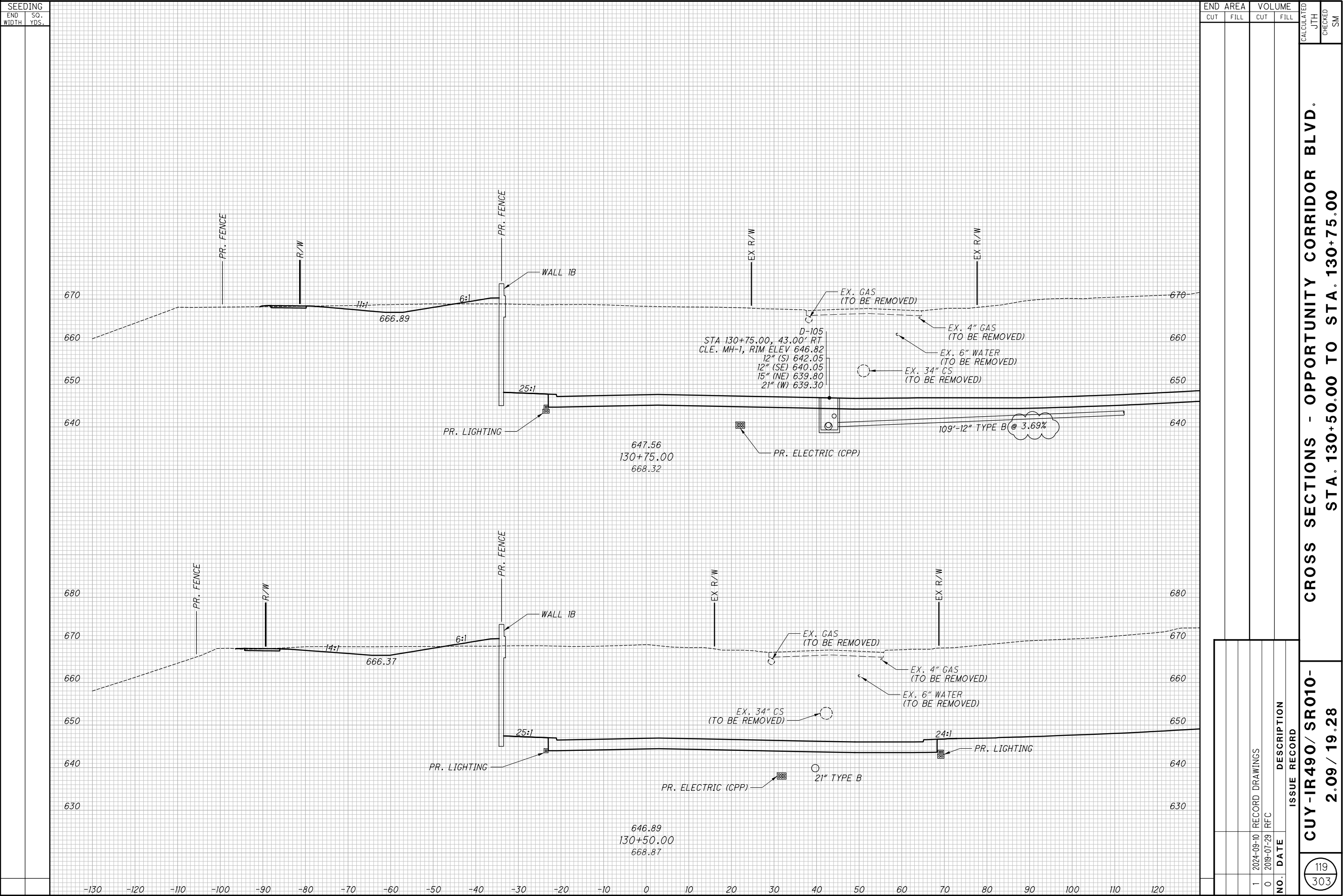


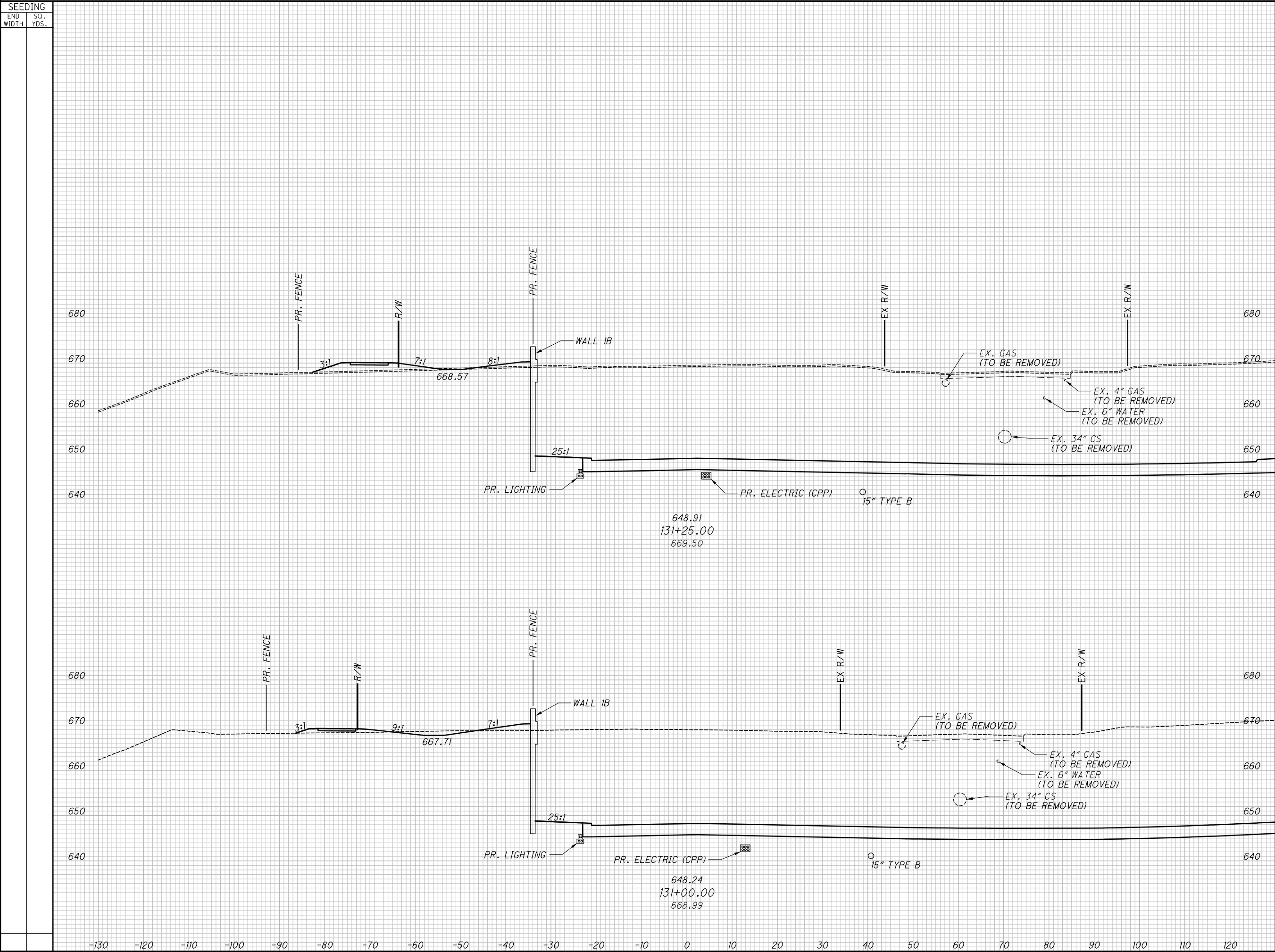






118
303

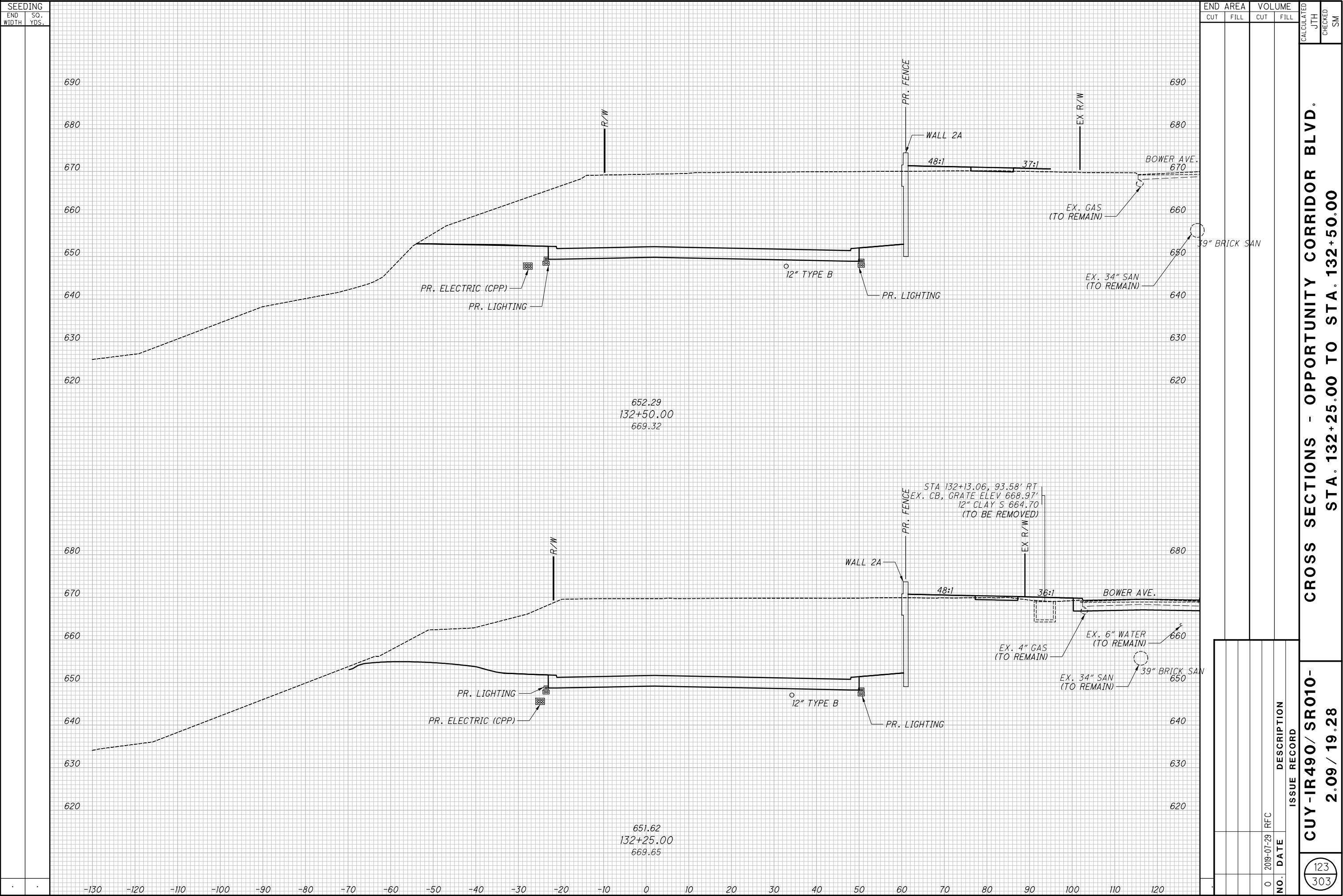


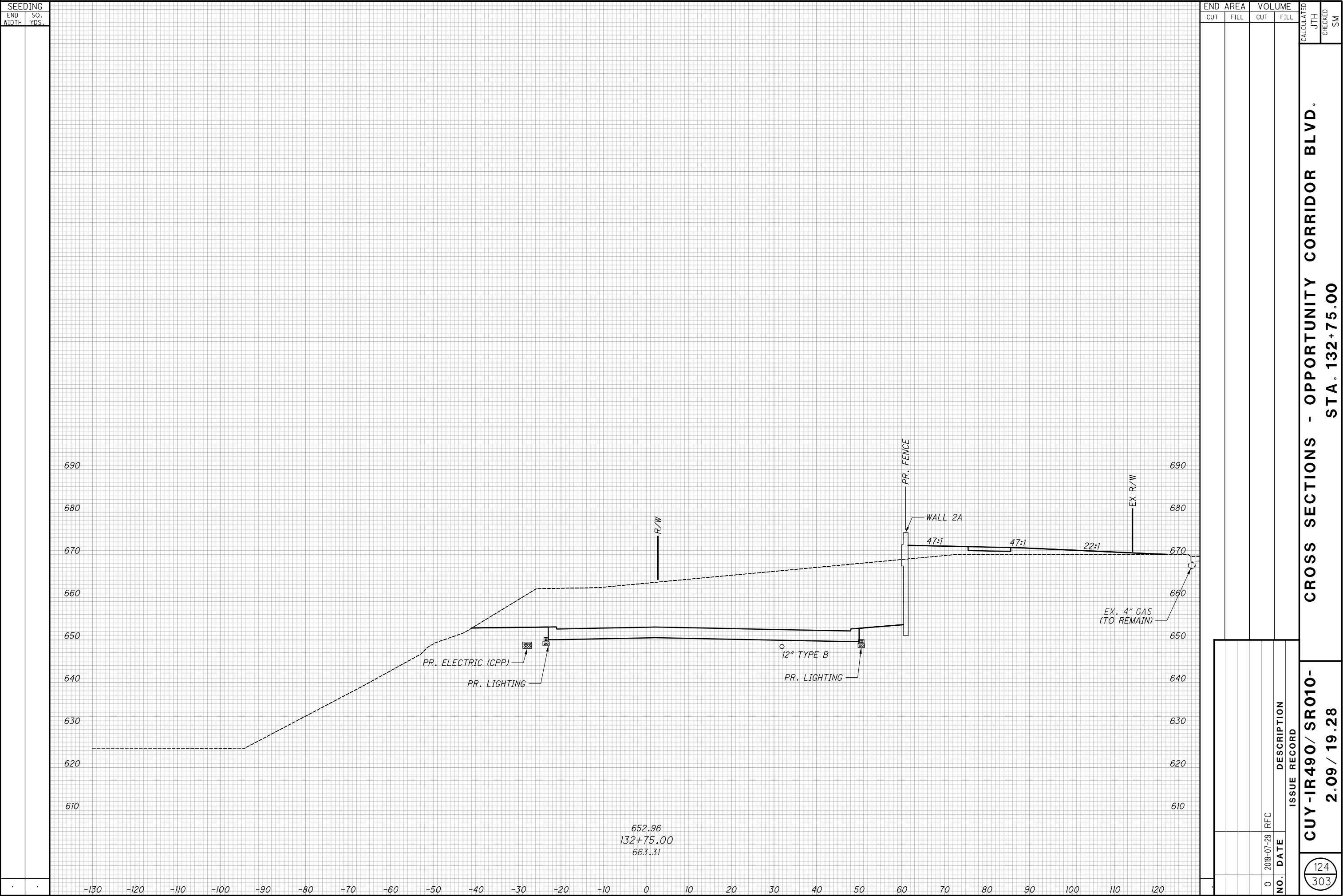


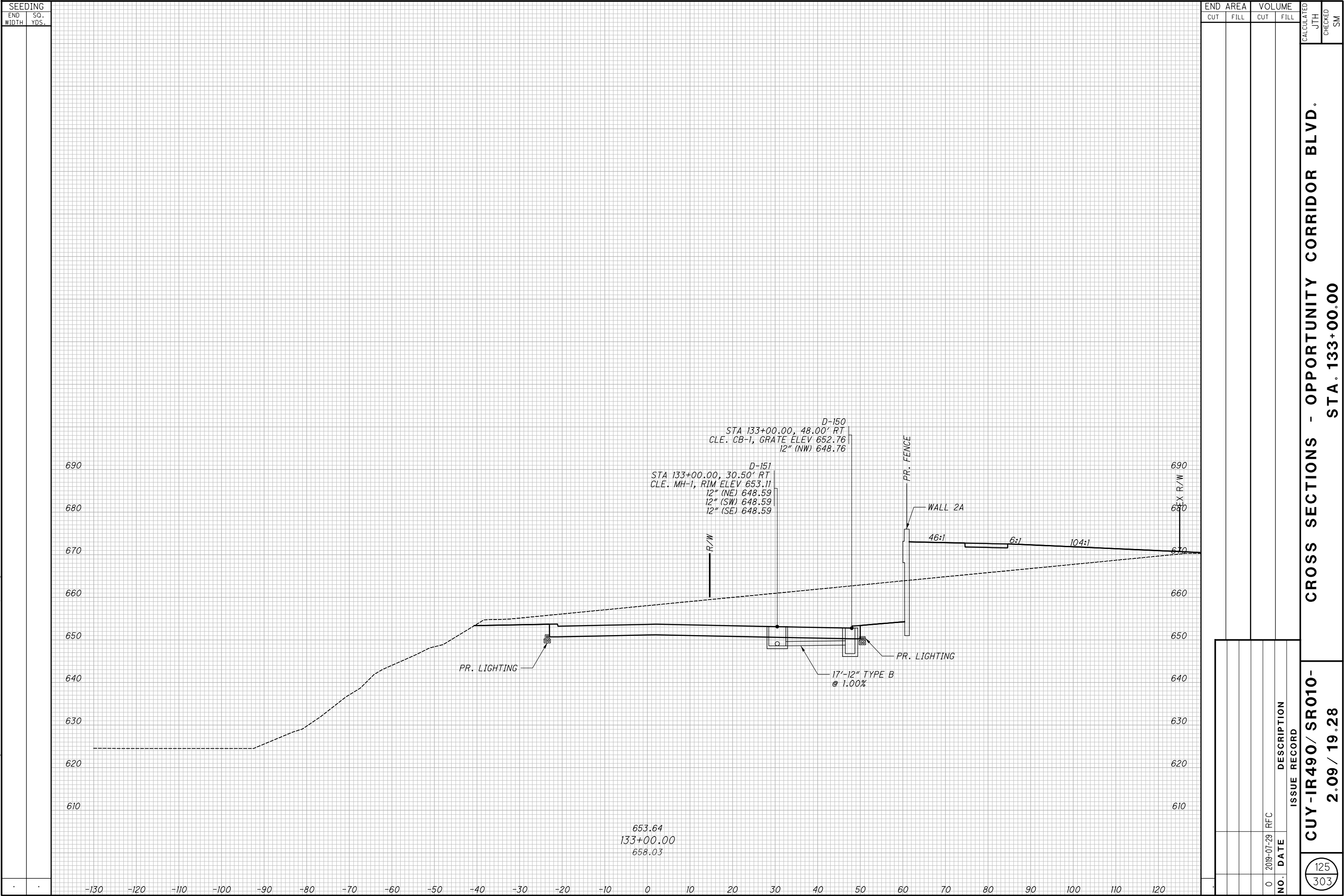
SEEDING		END AREA		VOLUME		CALCULATED JTH	CHECKED SM
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL		
CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.							
STA. 131+00.00 TO STA. 131+25.00							
RECORD PLANS							
CUY-IR490/ SR010-		2.09 / 19.28					
NO. DATE		ISSUE RECORD					
0	2019-07-29	RFC					
		DESCRIPTION					

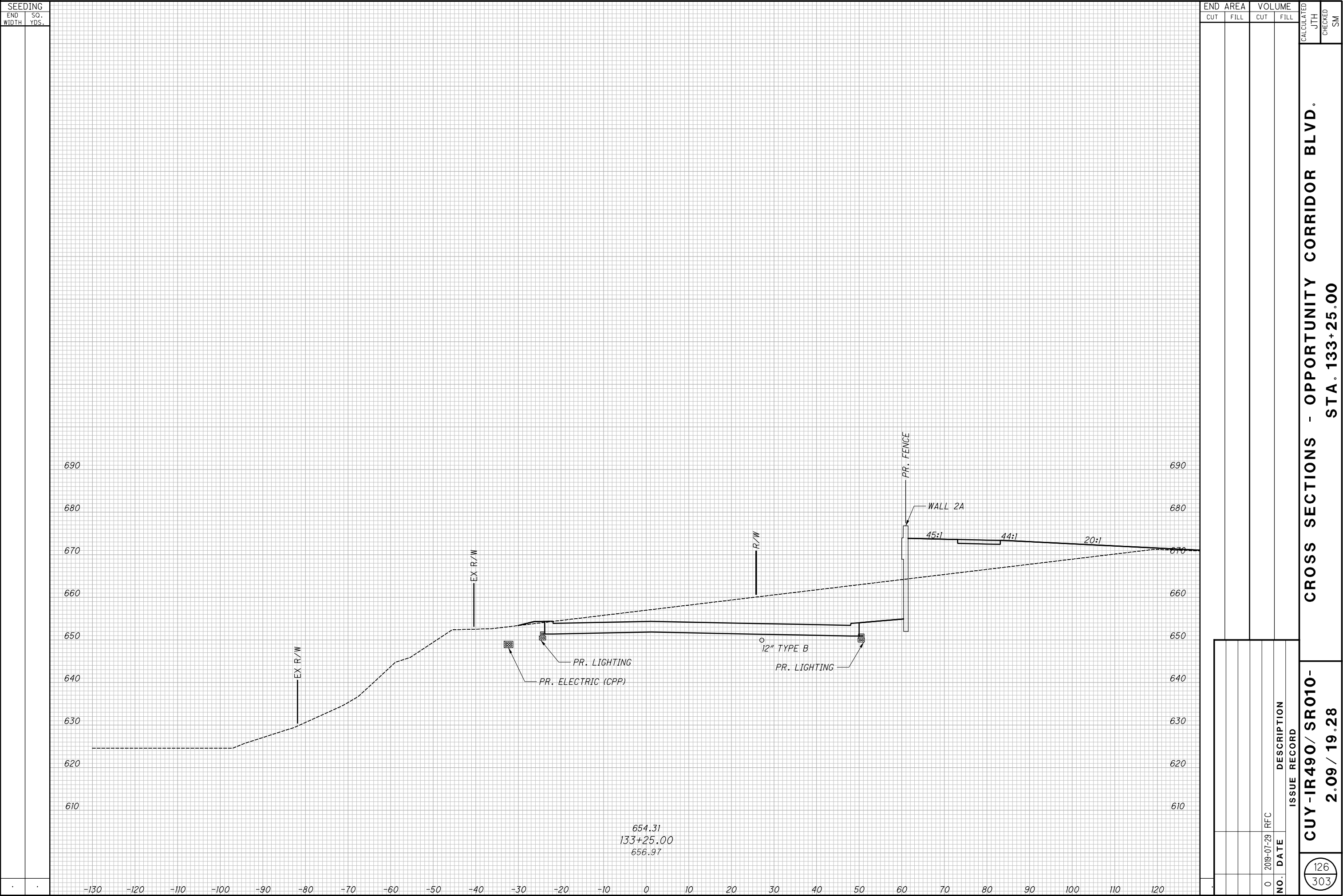
121
303

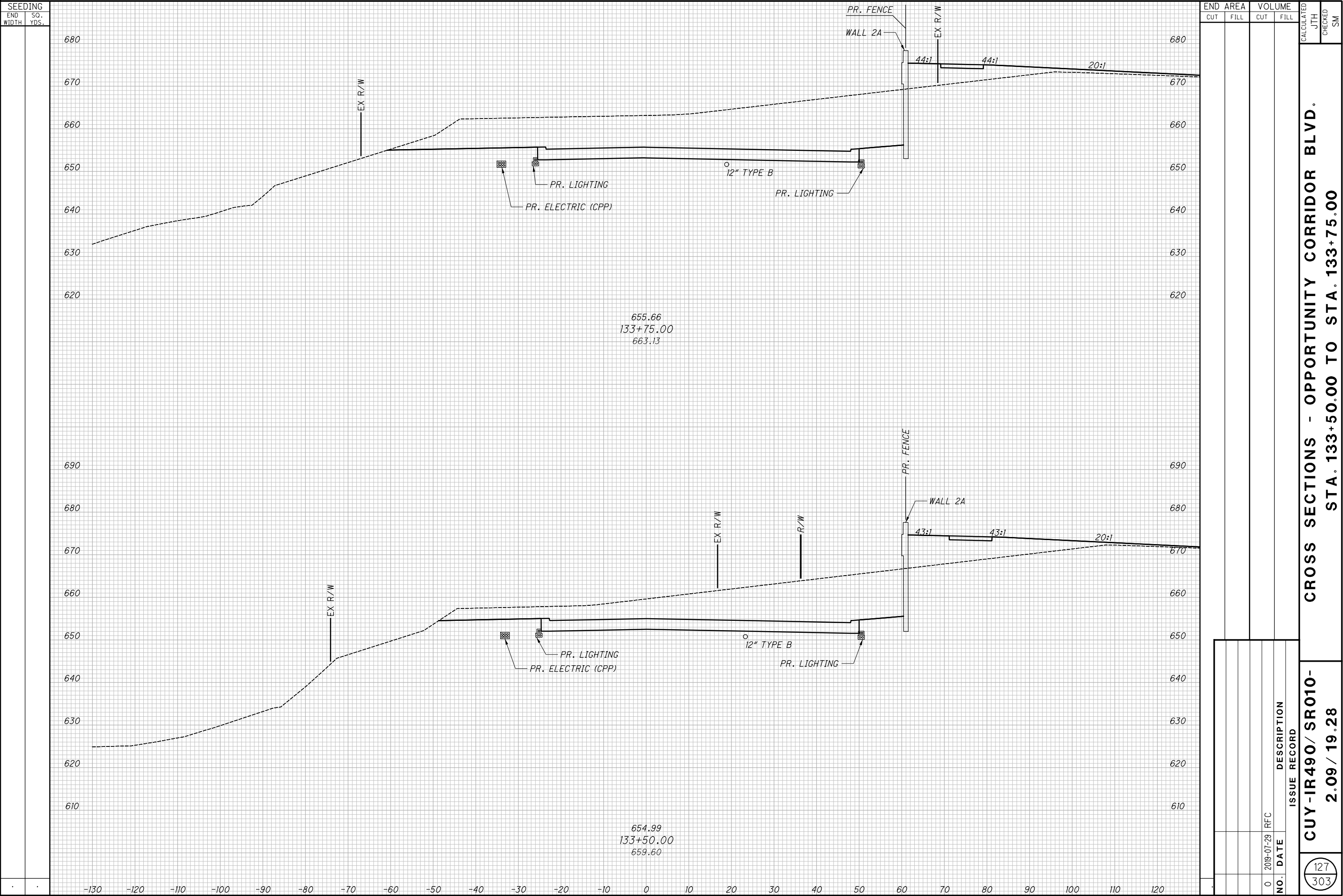
$$\frac{122}{303}$$

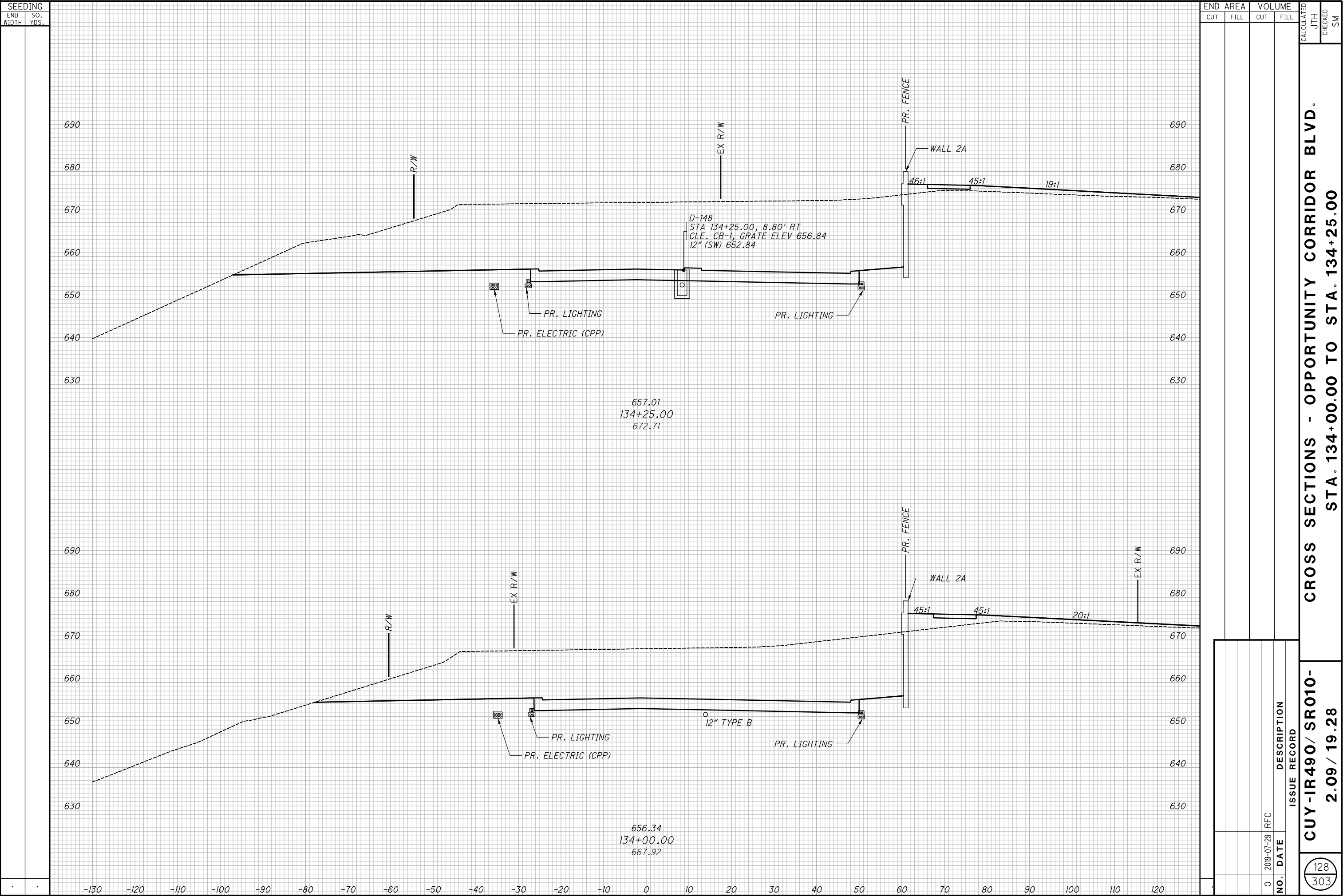


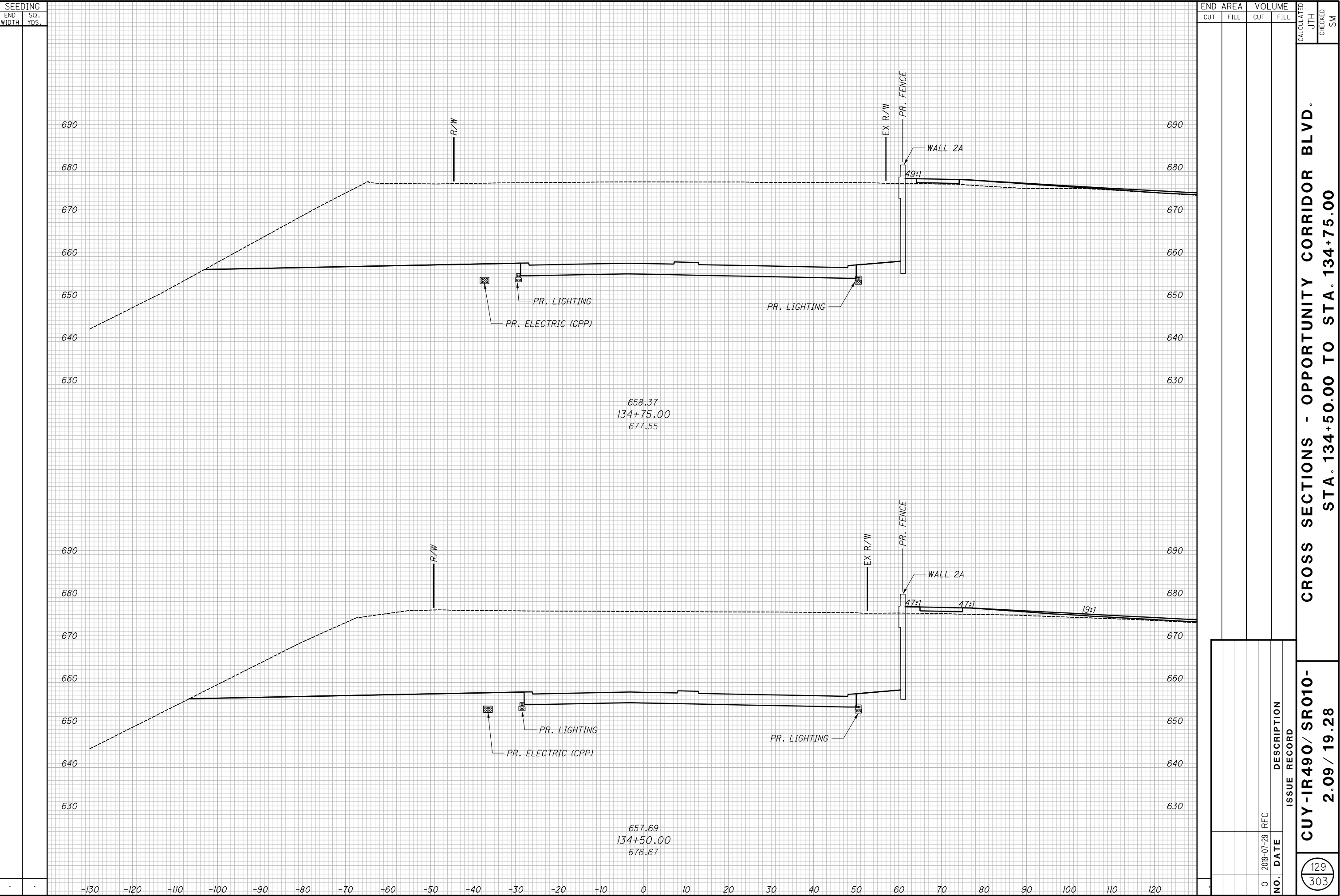








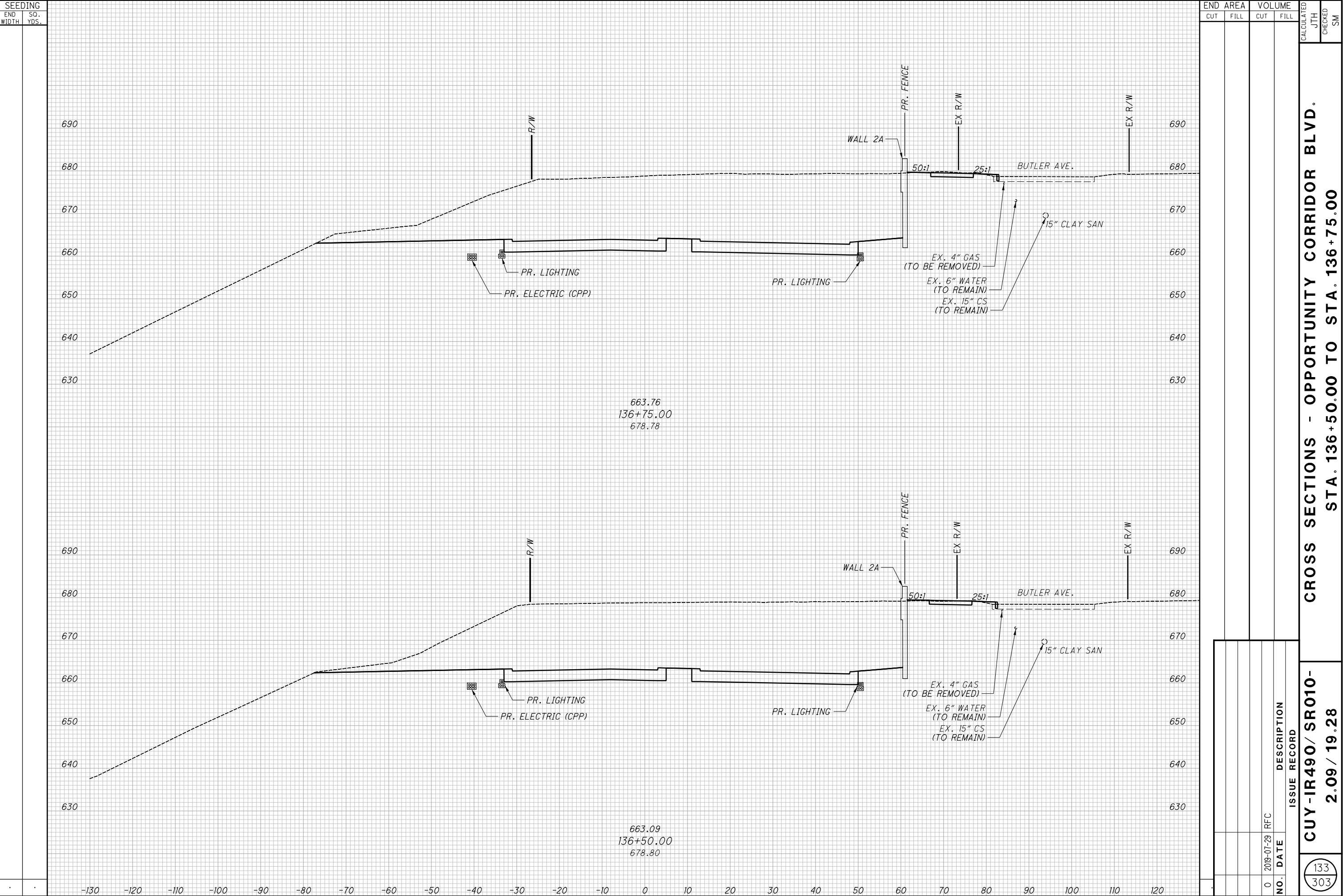




130
303

131
303

$$\frac{132}{303}$$



CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
STA. 136+50.00 TO STA. 136+75.00

CUY-IR490/ SR010-
2.09 / 19.28

133
303

RECORD PLANS

RECORD PLANS

RECORD PLANS

134
303

$$\frac{135}{303}$$

[illegible]

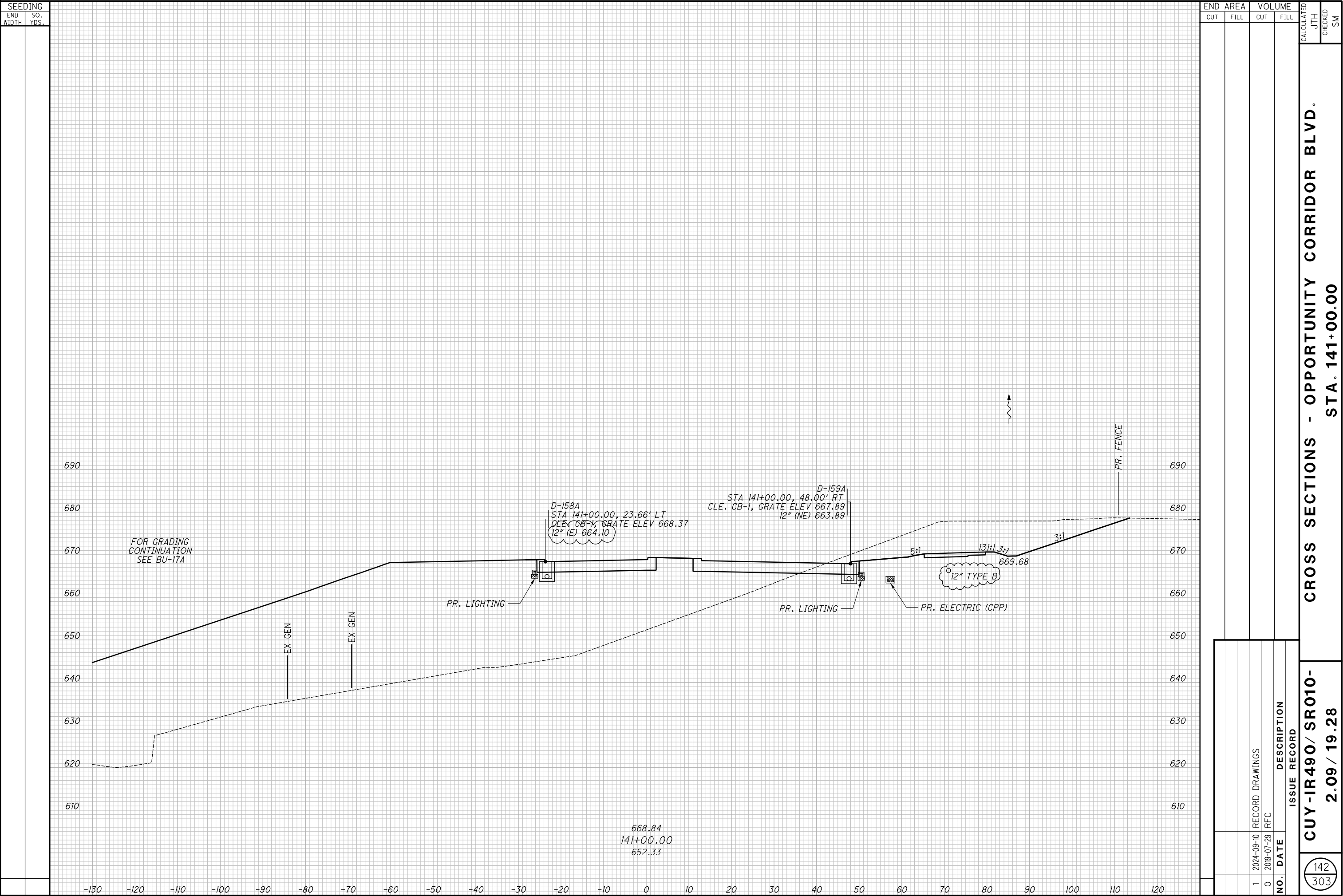
$$\frac{137}{303}$$

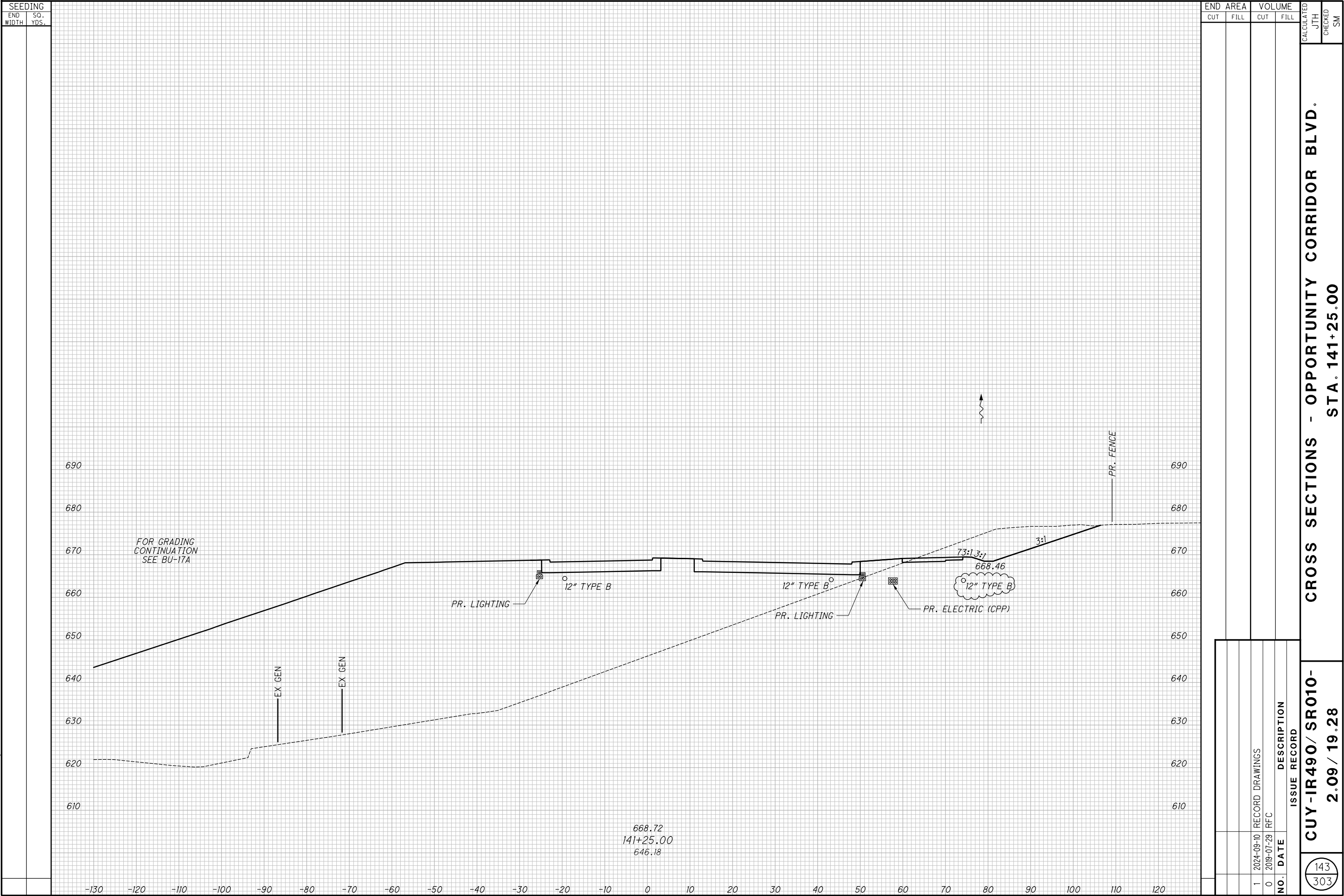
$$\frac{138}{303}$$

139
303

140
303

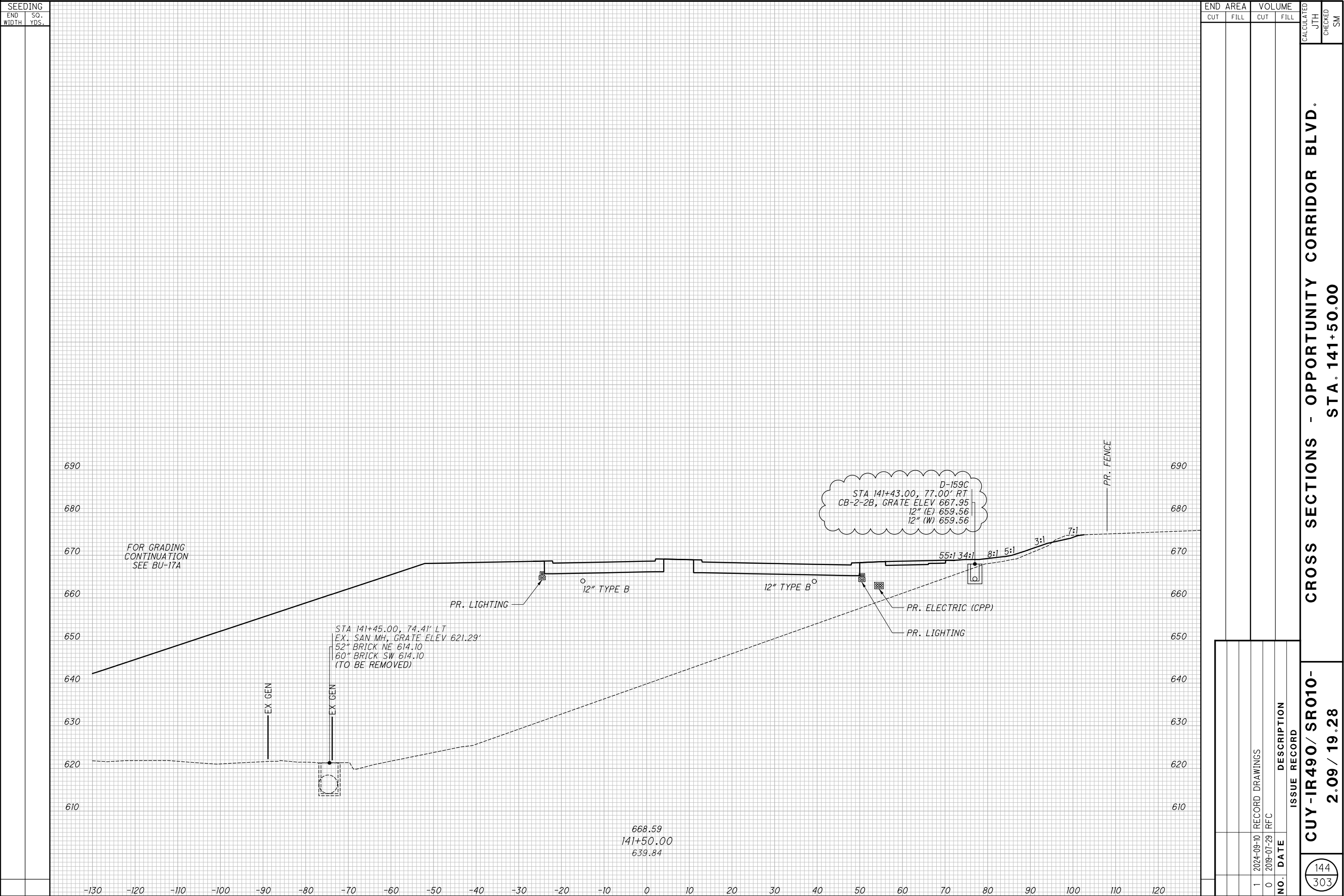
141
303



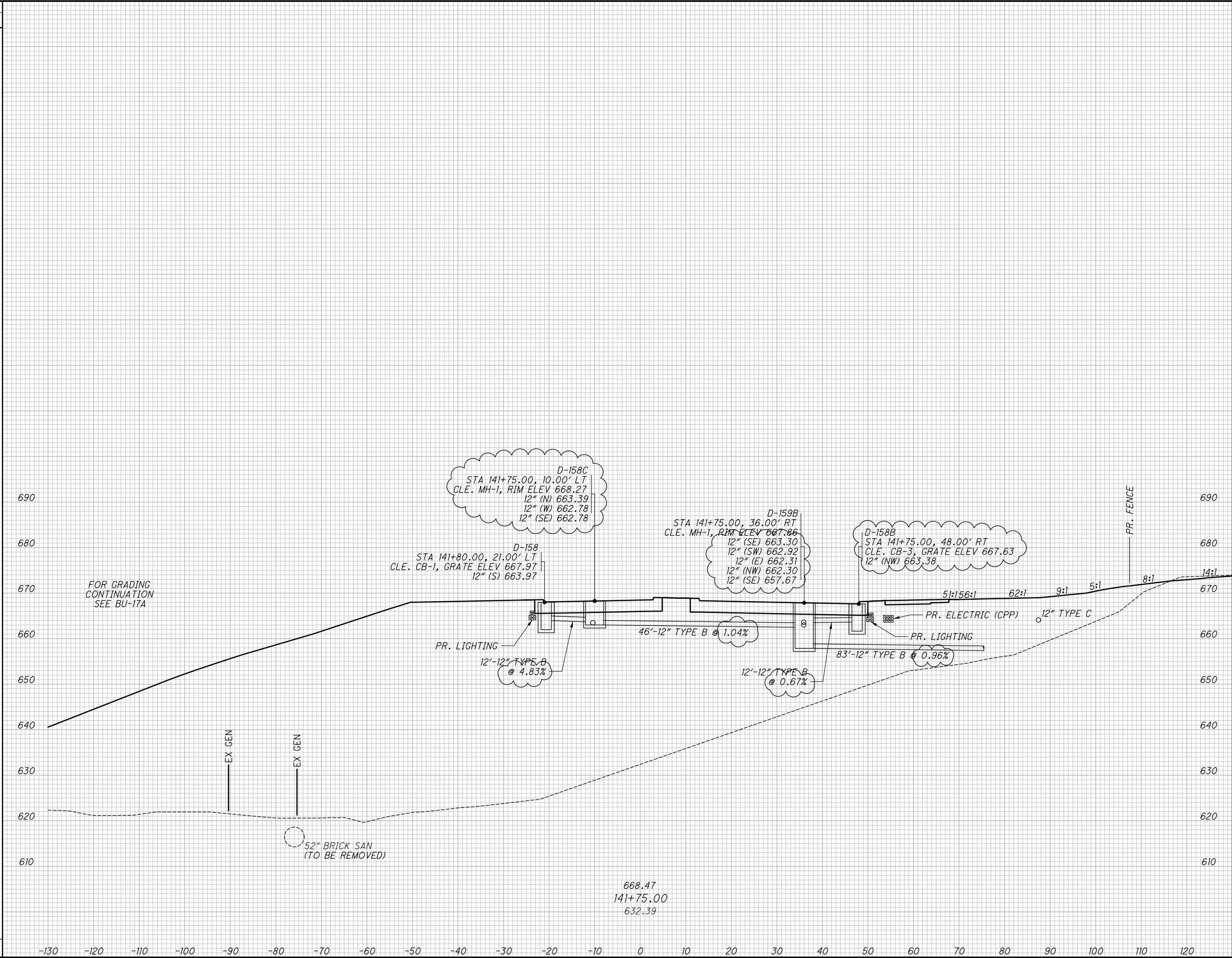


CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
STA. 141+25.00

CUY-IR490/ SR010-
2.09 / 19.28

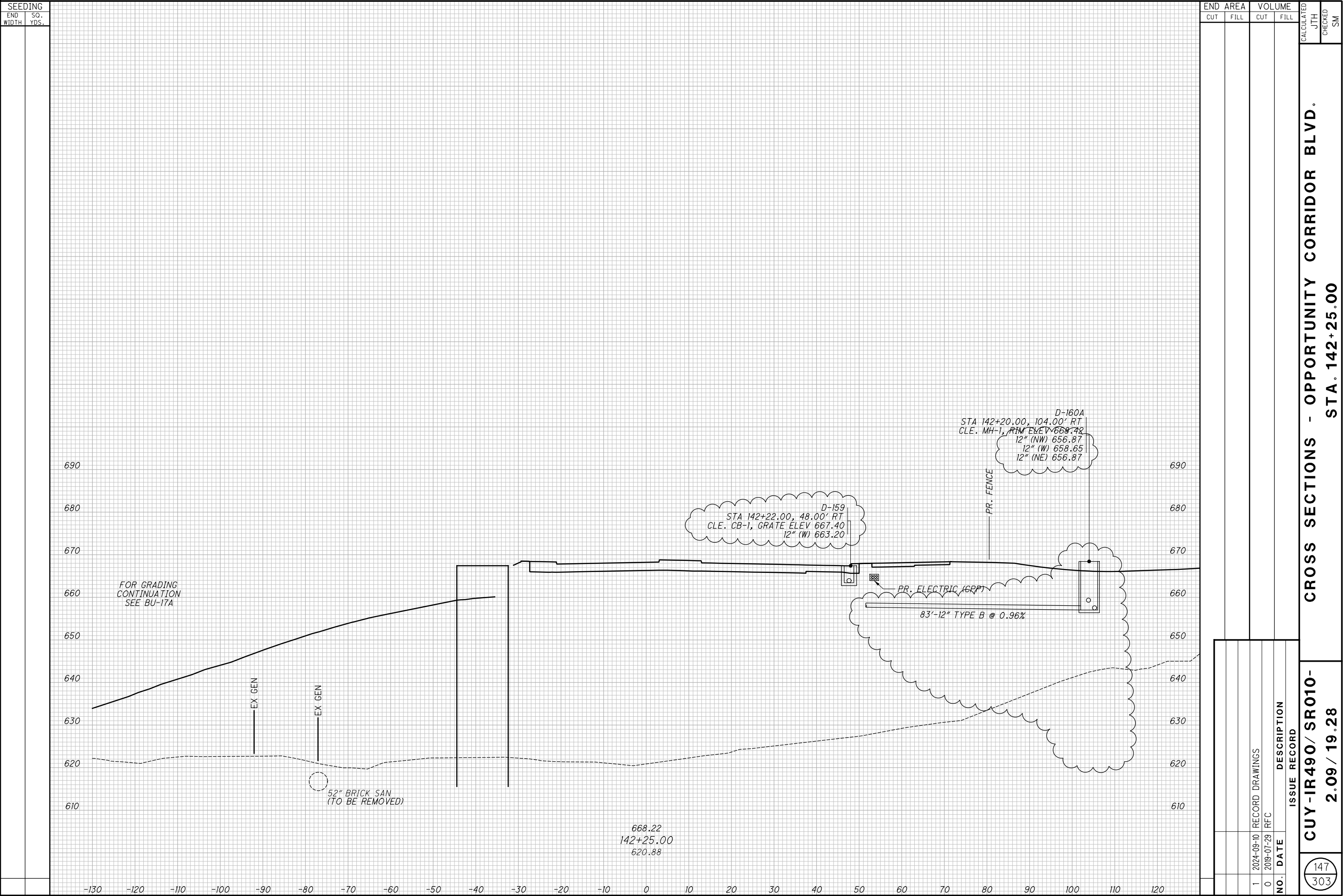


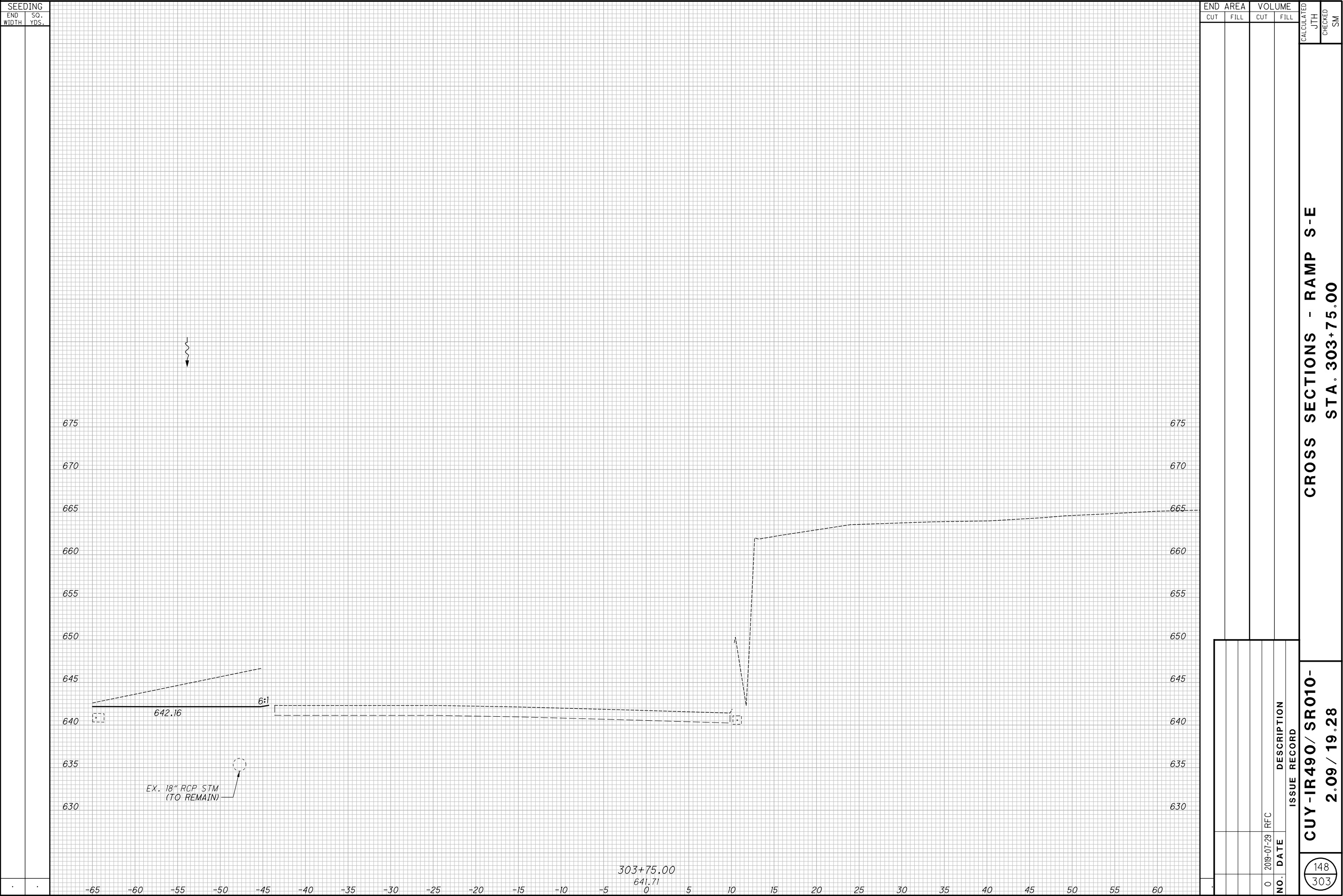
SEEDING	
END WIDTH	SO. YDS.

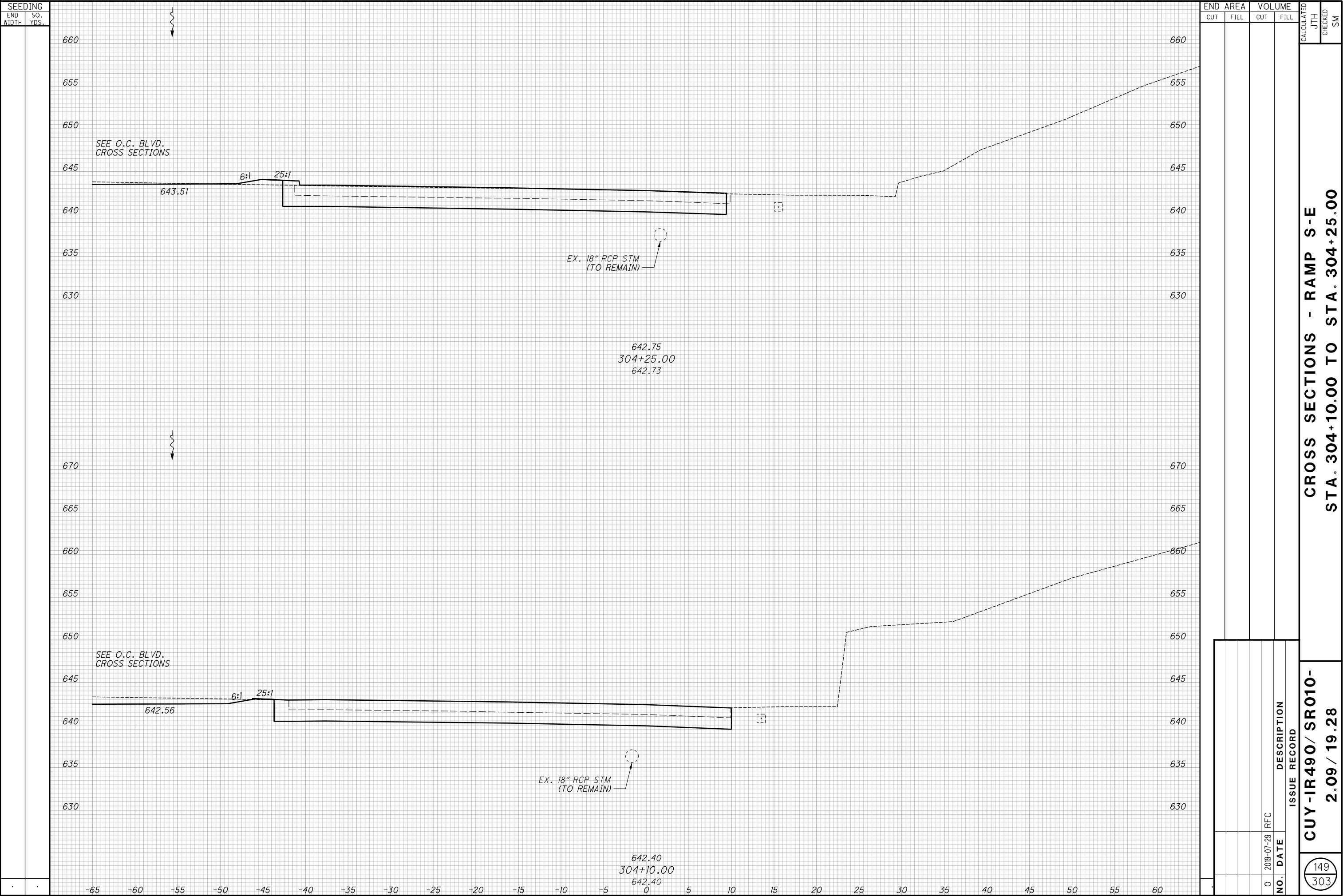


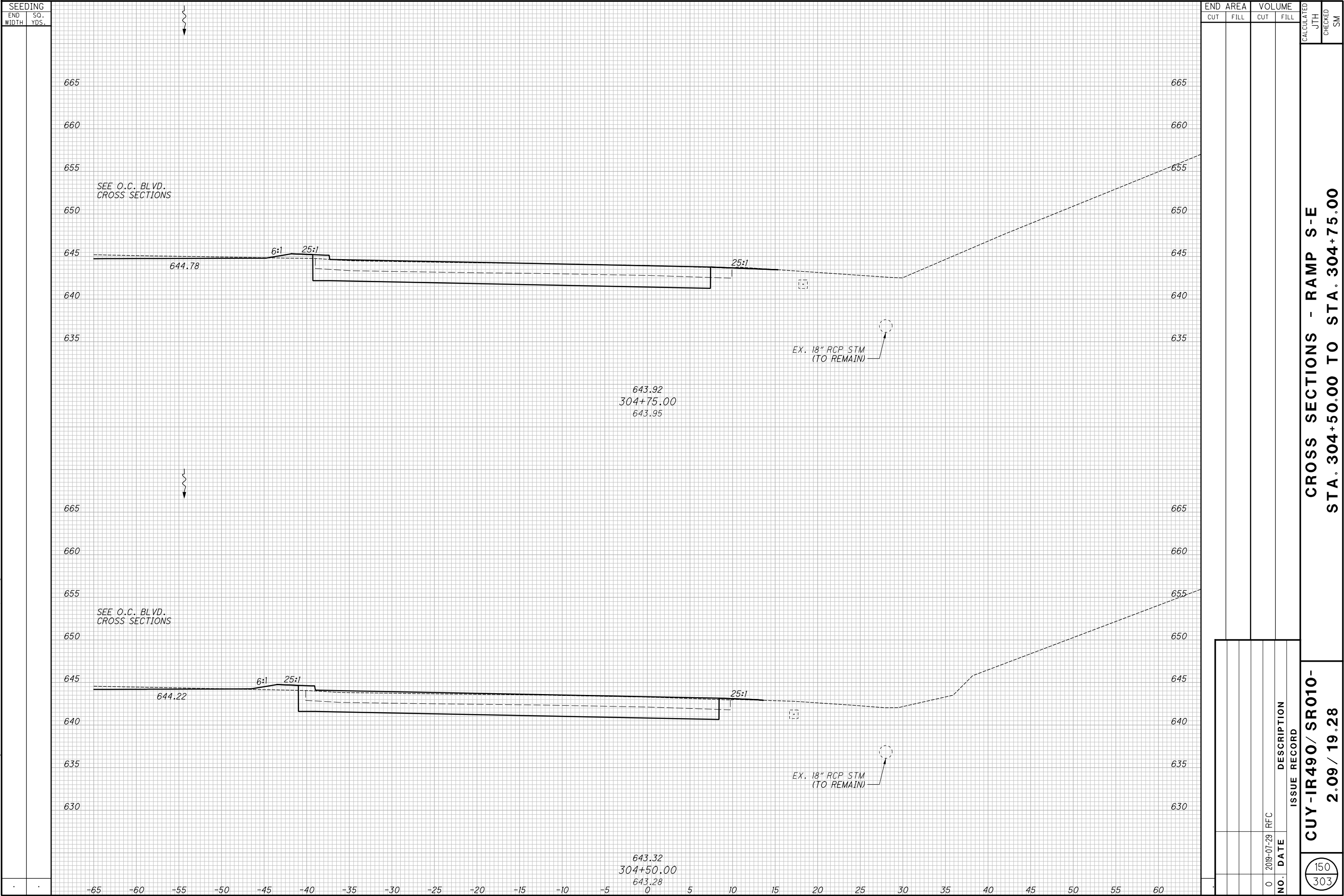
END AREA		VOLUME		CALCULATED JTH	CHECKED SM
CUT	FILL	CUT	FILL		
1		2024-09-10	RECORD DRAWINGS		
0		2019-07-29	RFC		
NO.		DATE		DESCRIPTION	
				ISSUE RECORD	
				CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.	
				STA. 141+75.00	
				2.09 / 19.28	
				RECORD PLANS	
				RECORD PLANS	

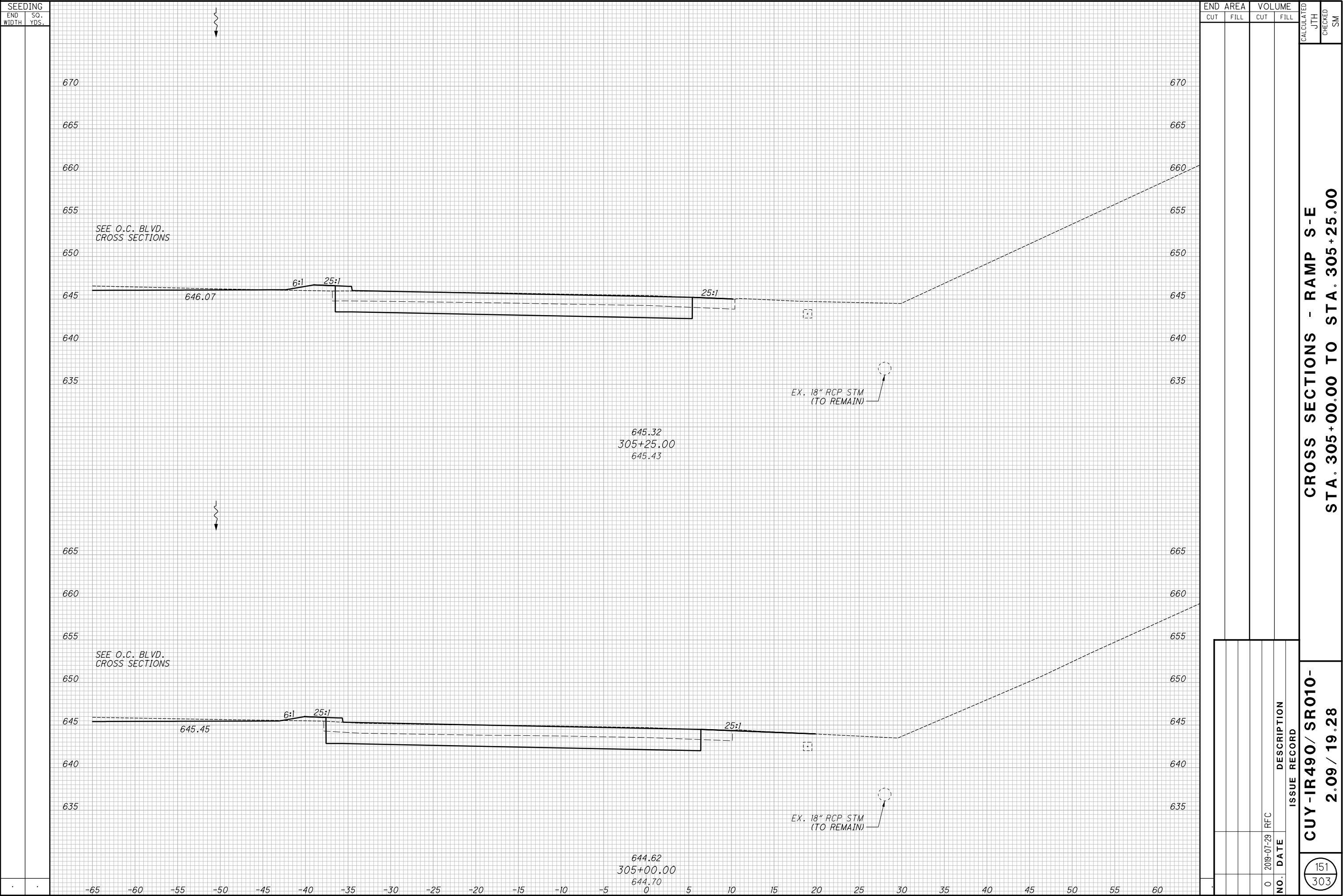
[illegible]

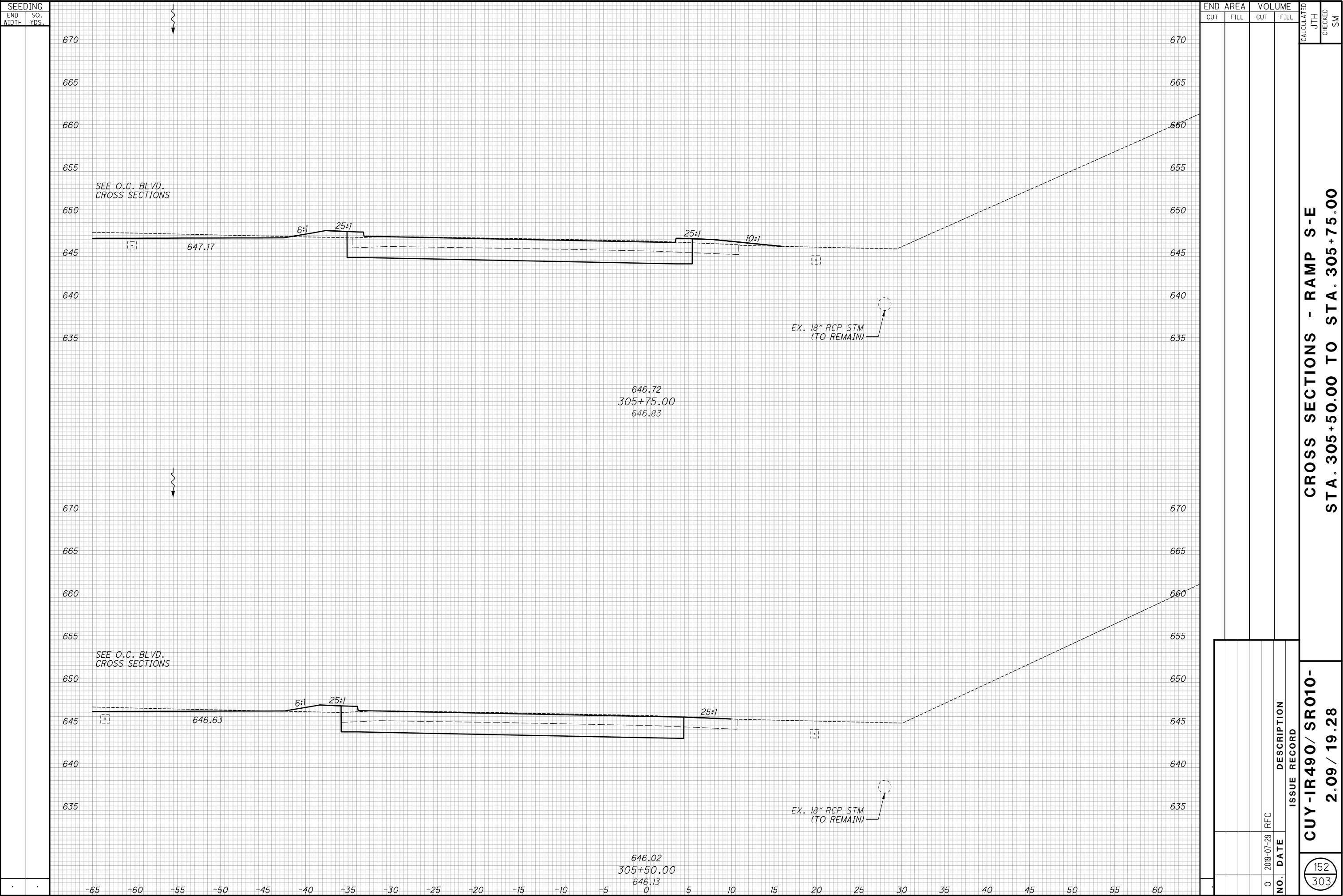


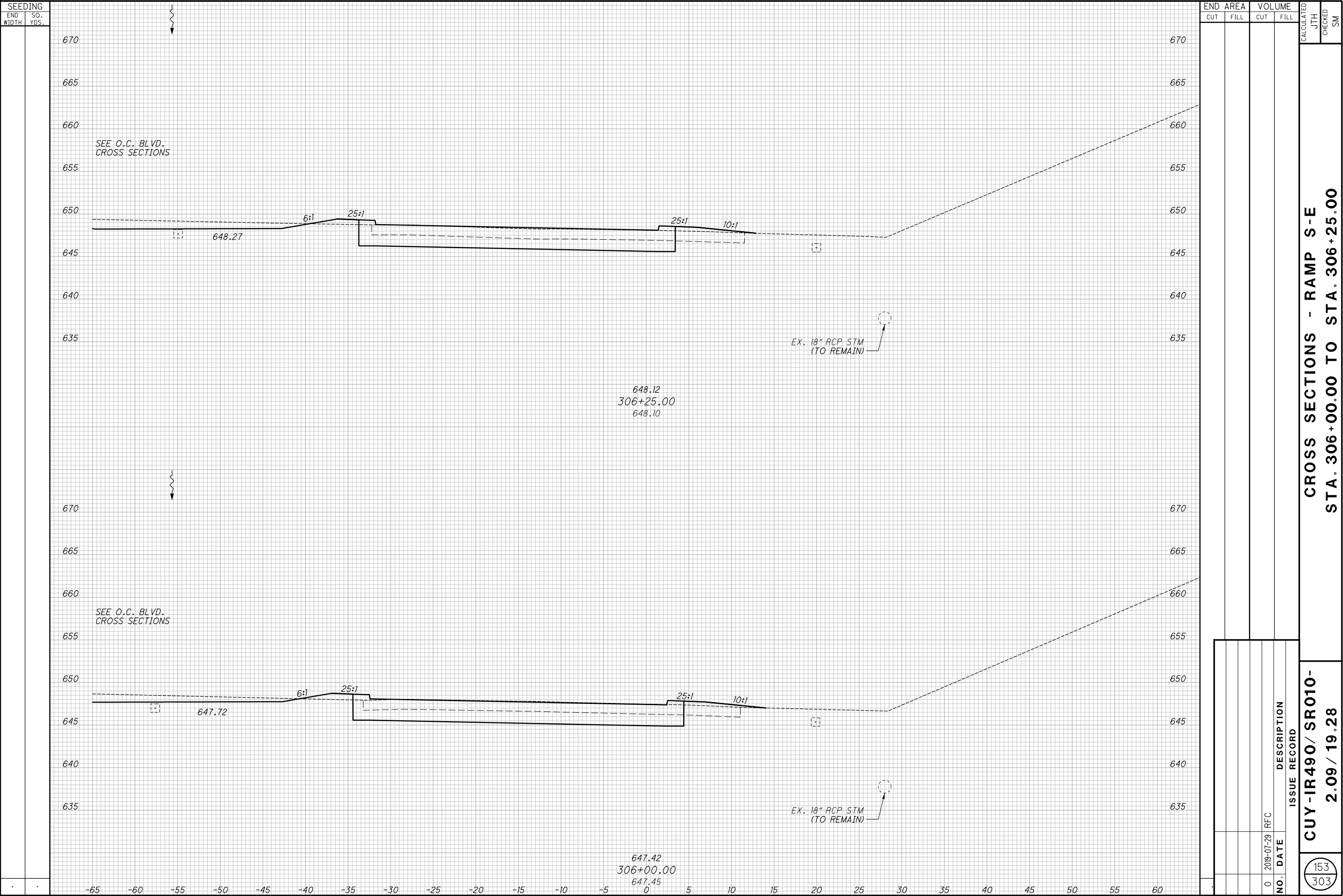


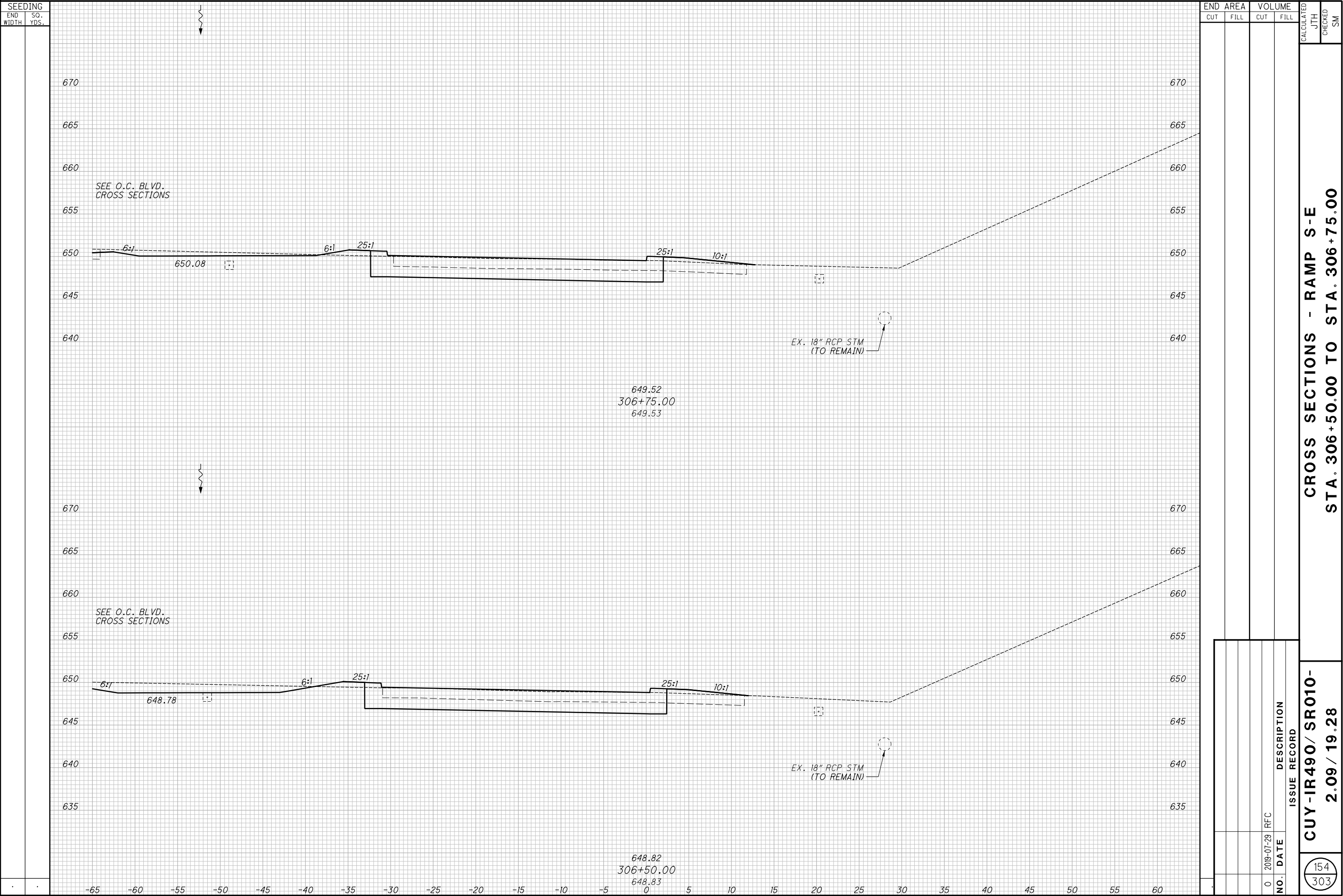


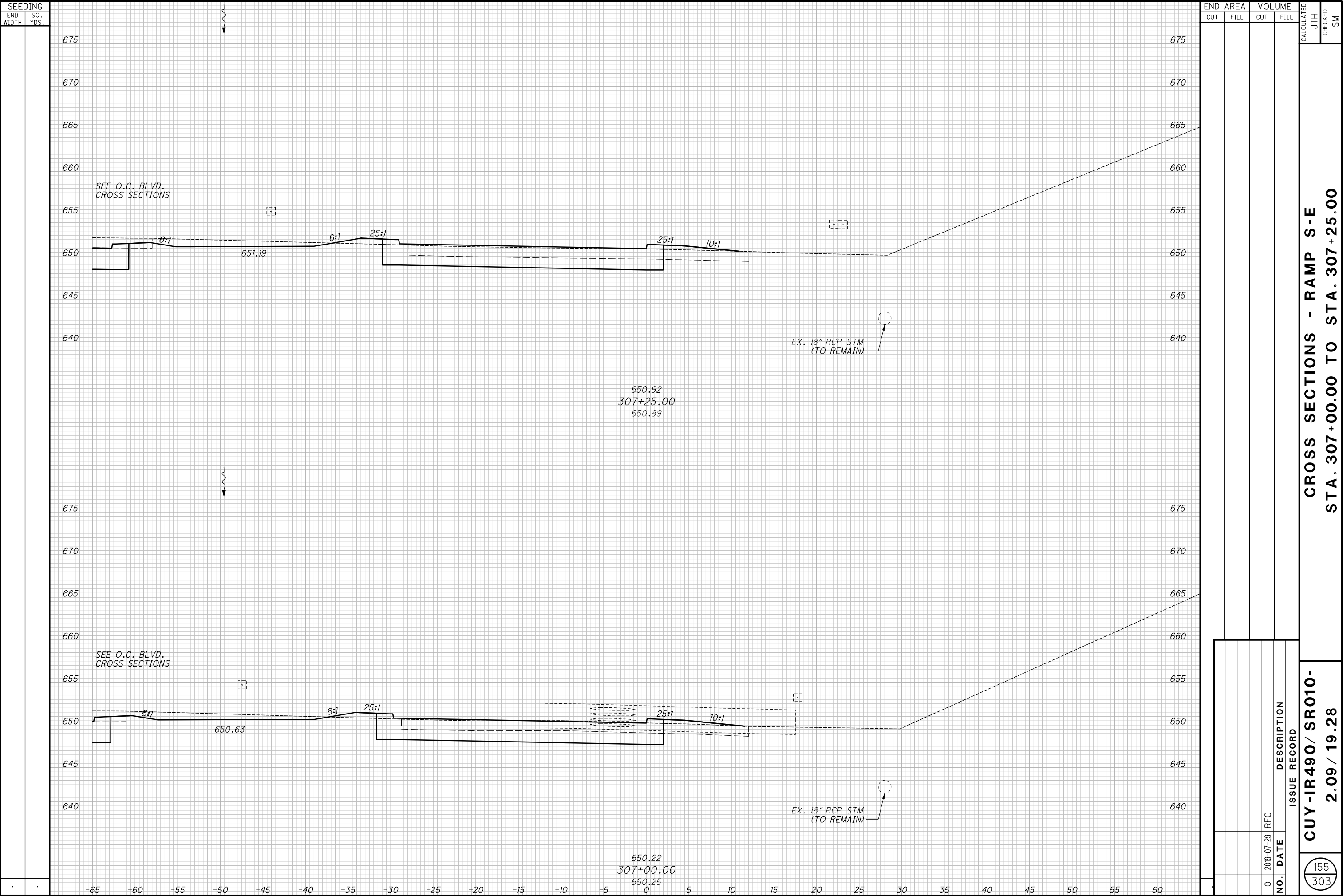


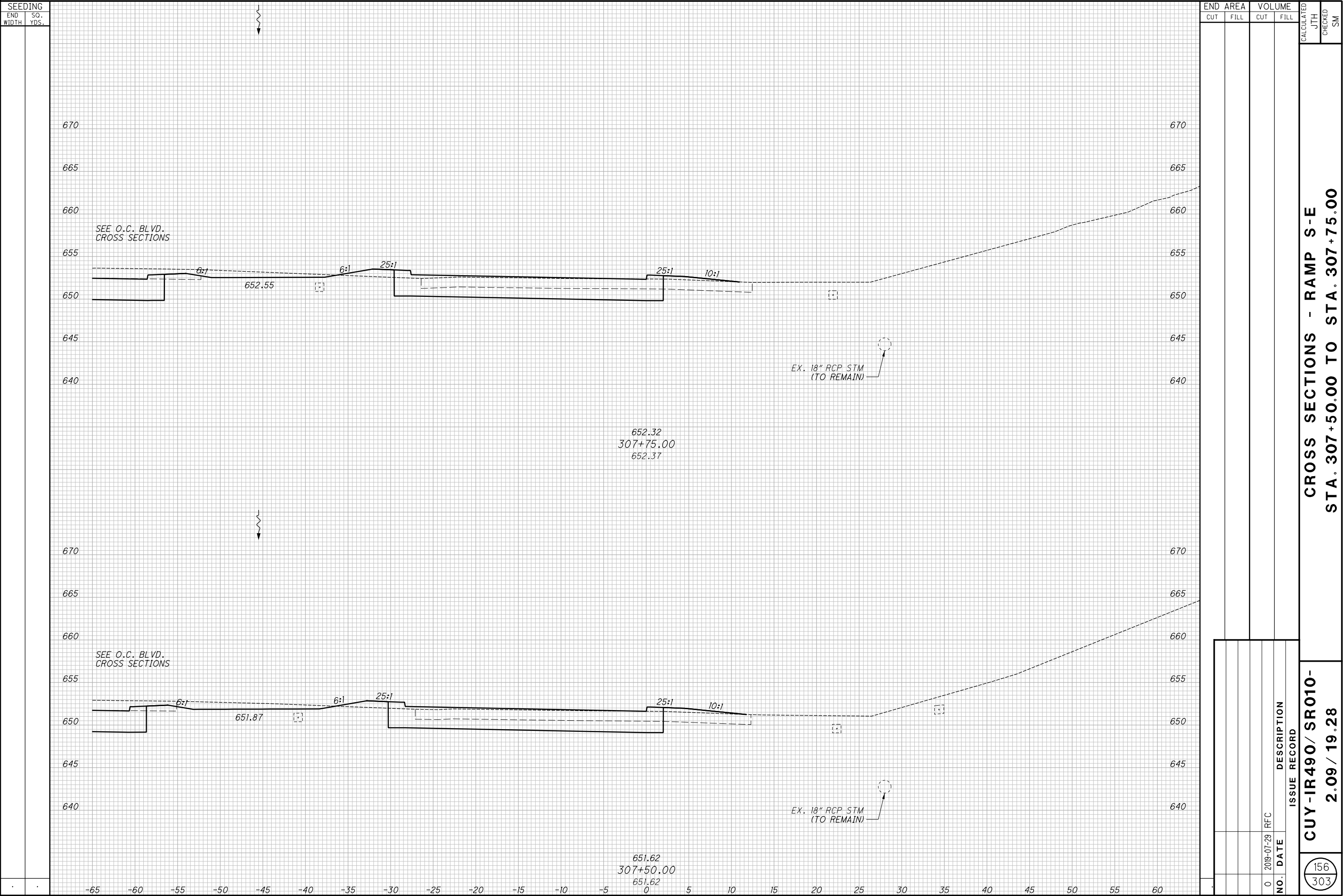


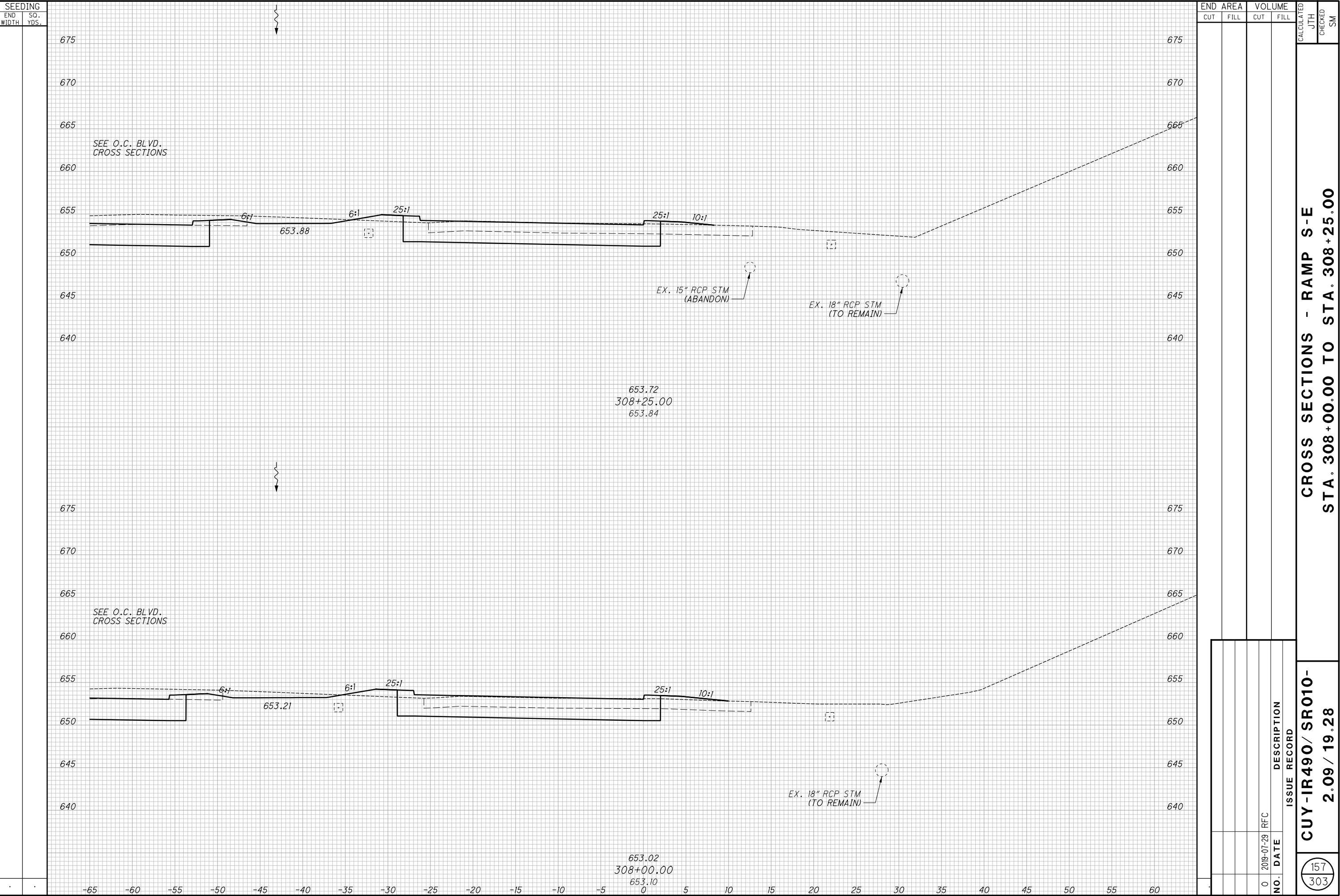




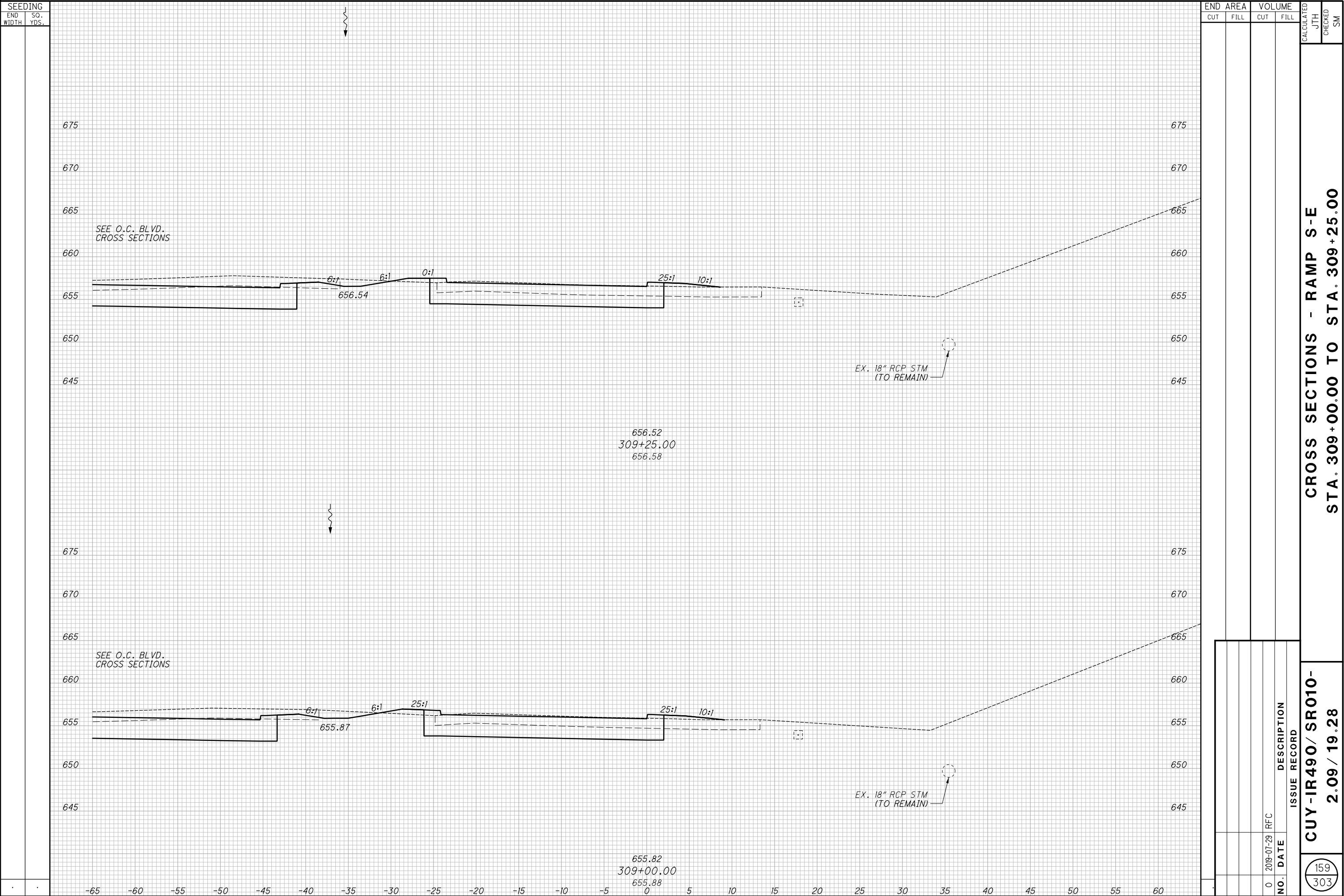






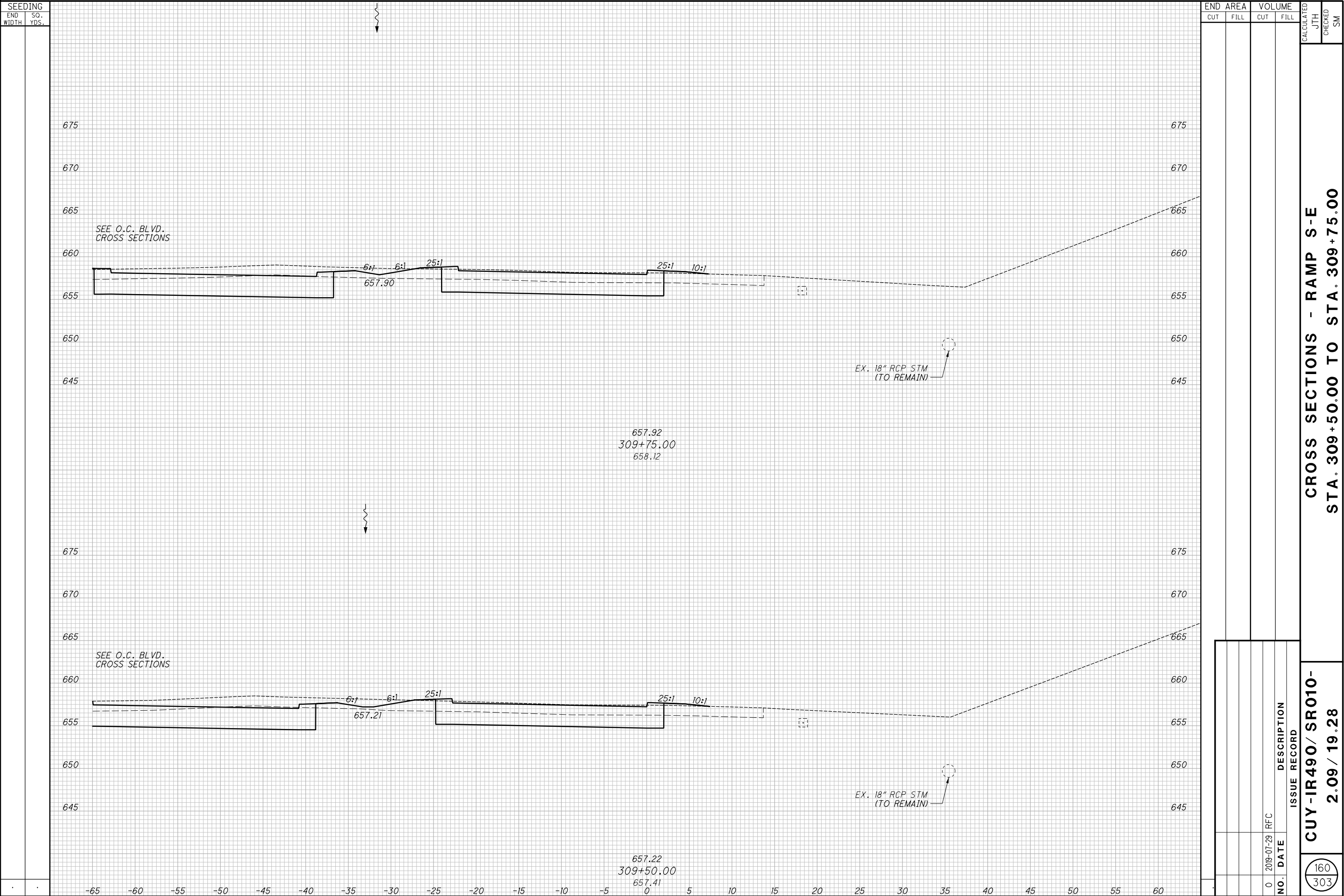


CROSS SECTIONS - RAMP S-E
STA. 308+50.00 TO STA. 308+75.00



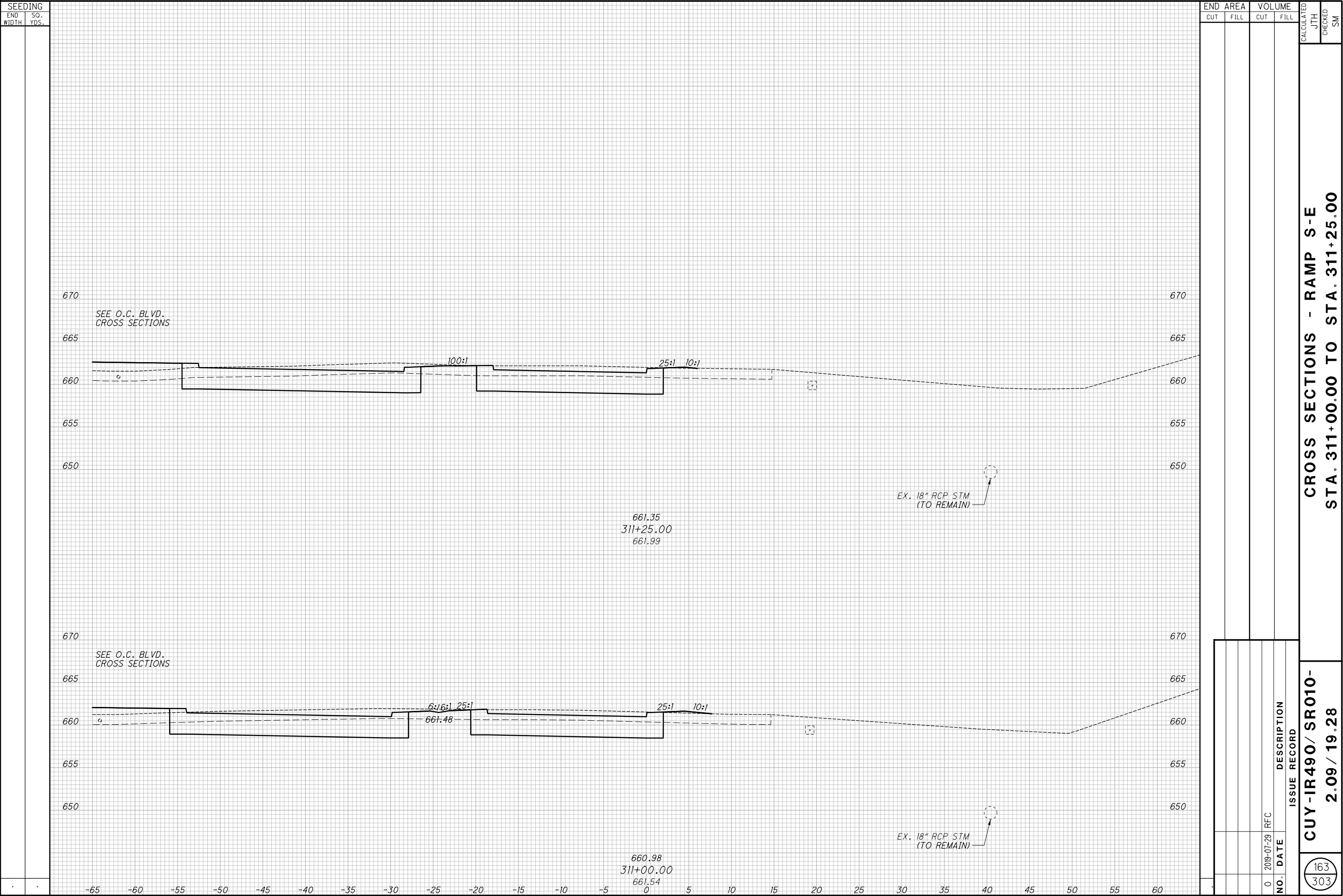
CROSS SECTIONS - RAMP S-E
STA. 309+00.00 TO STA. 309+25.00

CUY-IR490/ SR010-
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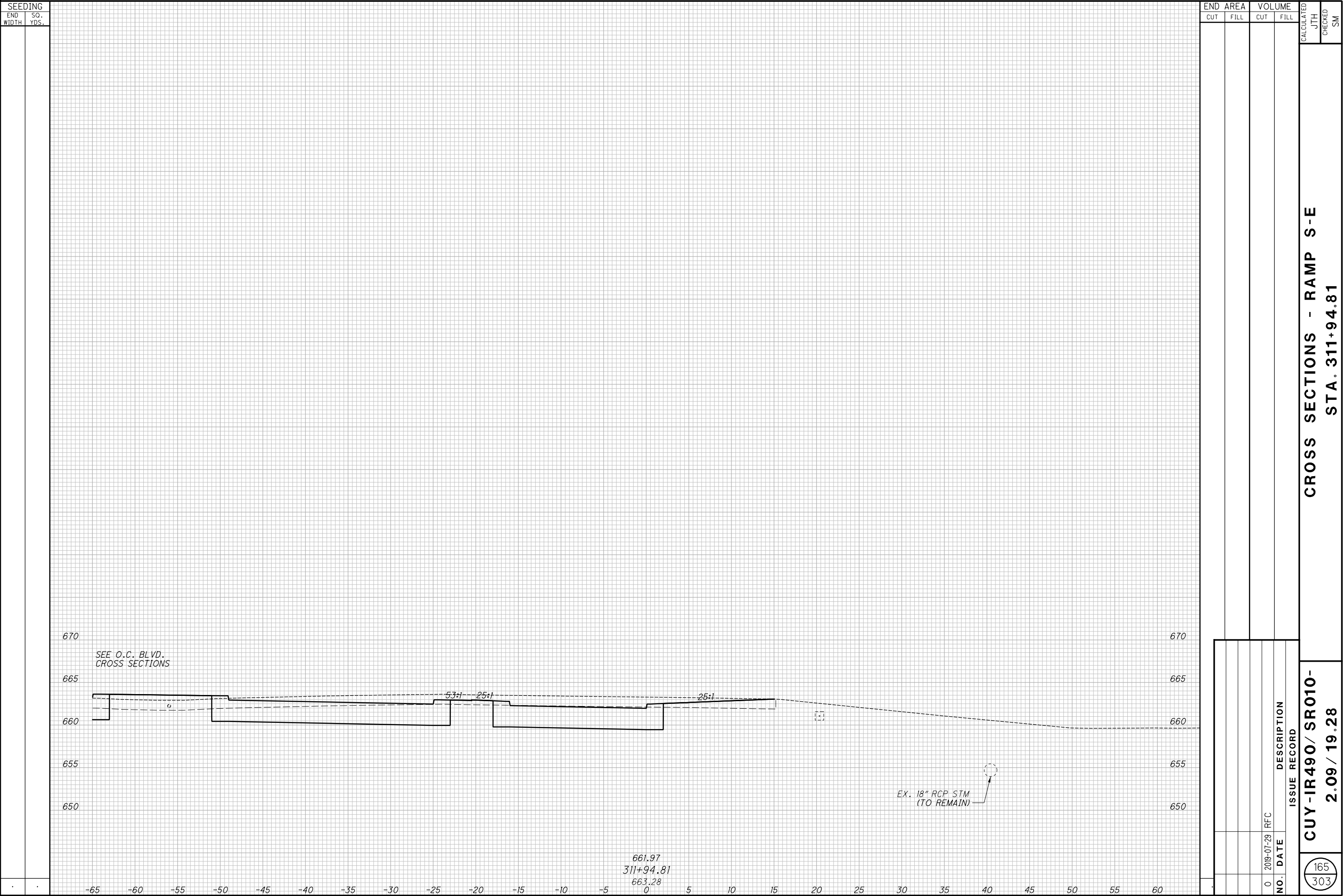


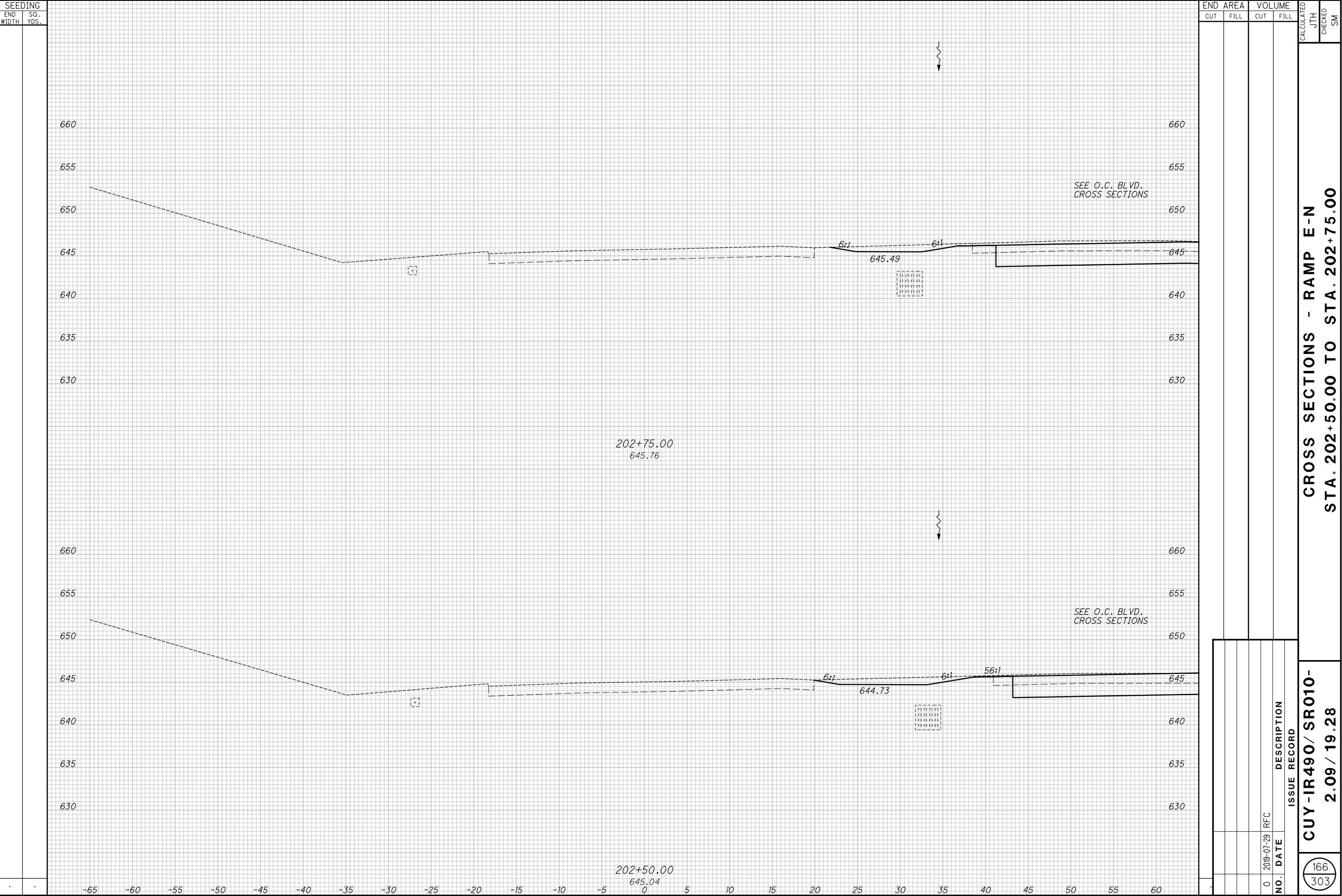
CROSS SECTIONS - RAMP S-E
STA. 310+00.00 TO STA. 310+25.00

CROSS SECTIONS - RAMP S-E
STA. 310+50.00 TO STA. 310+75.00



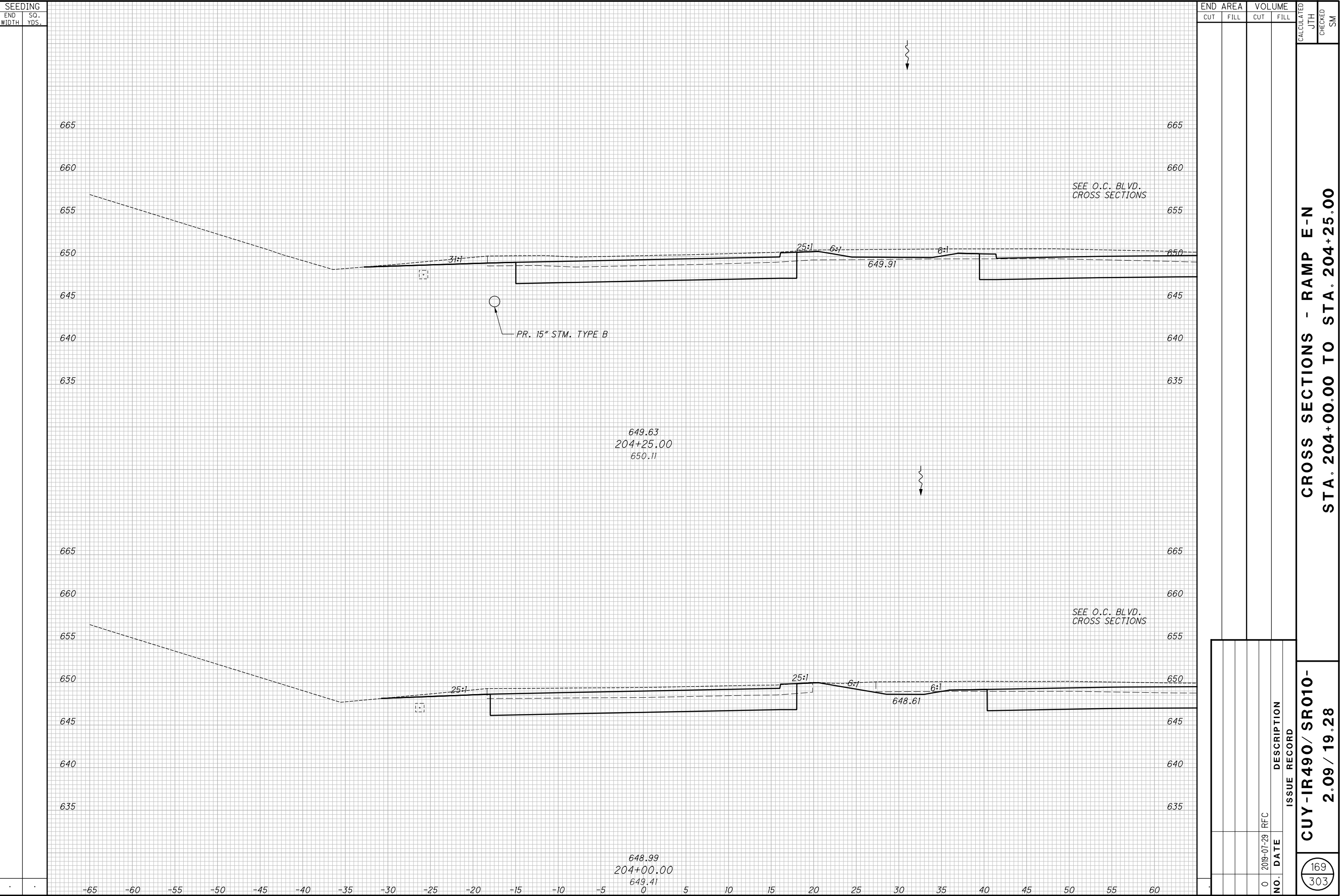
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STA. 311+50.00 TO STA. 311+75.00

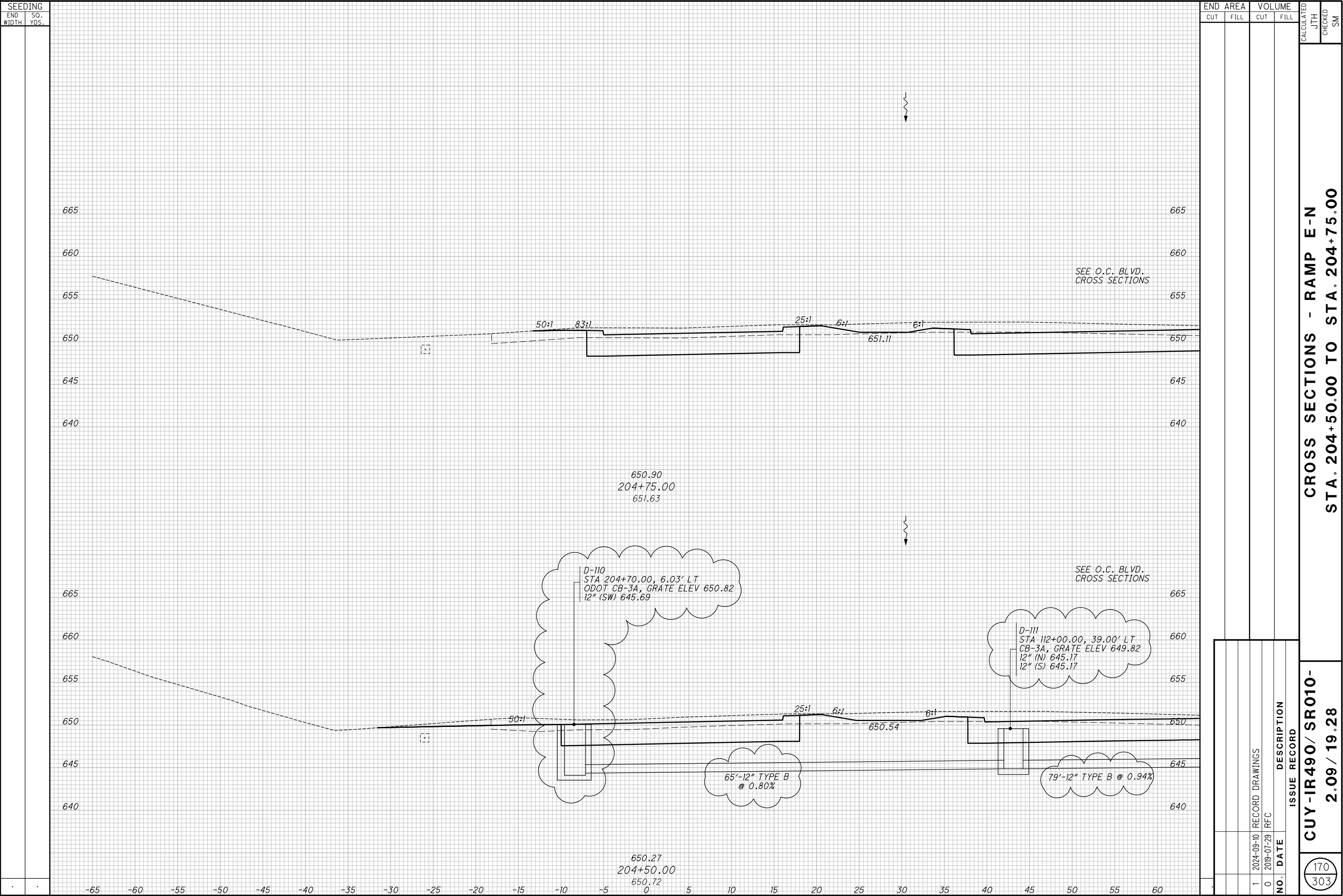




CROSS SECTIONS - RAMP E-N
STA. 203+00.00 TO STA. 203+25.00

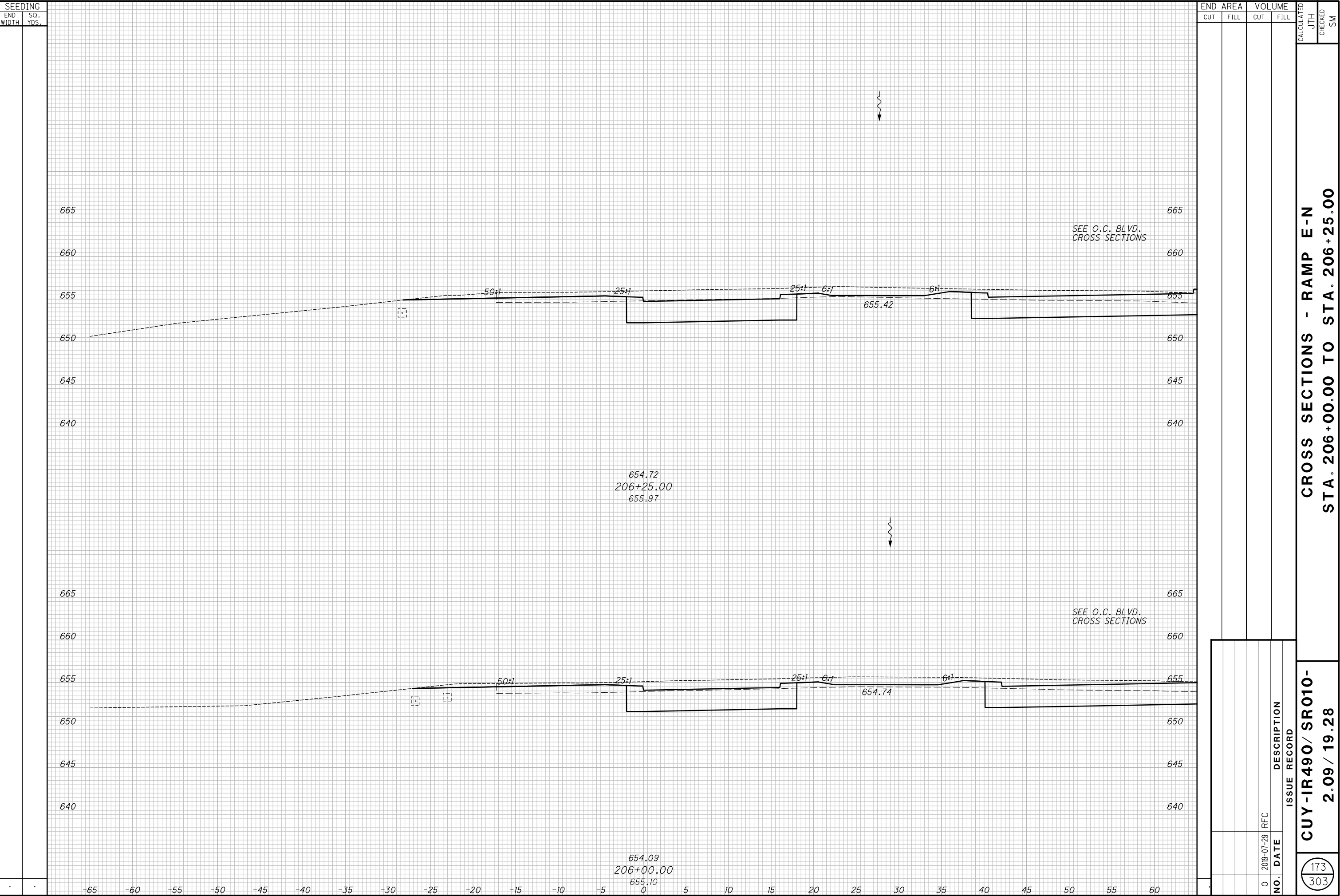
CROSS SECTIONS - RAMP E-N
STA. 203+50.00 TO STA. 203+75.00





CROSS SECTIONS - RAMP E-N
STA. 205+00.00 TO STA. 205+25.00

CROSS SECTIONS - RAMP E-N
STA. 205+50.00 TO STA. 205+75.00



CROSS SECTIONS - RAMP E-N
STA. 206+50.00 TO STA. 206+75.00

CROSS SECTIONS - RAMP E-N
STA. 207+00.00 TO STA. 207+09.29

[illegible]

[illegible]

**CROSS SECTIONS - QUADRANT RD.
STA. 101+50.00 TO STA. 102+00.00**

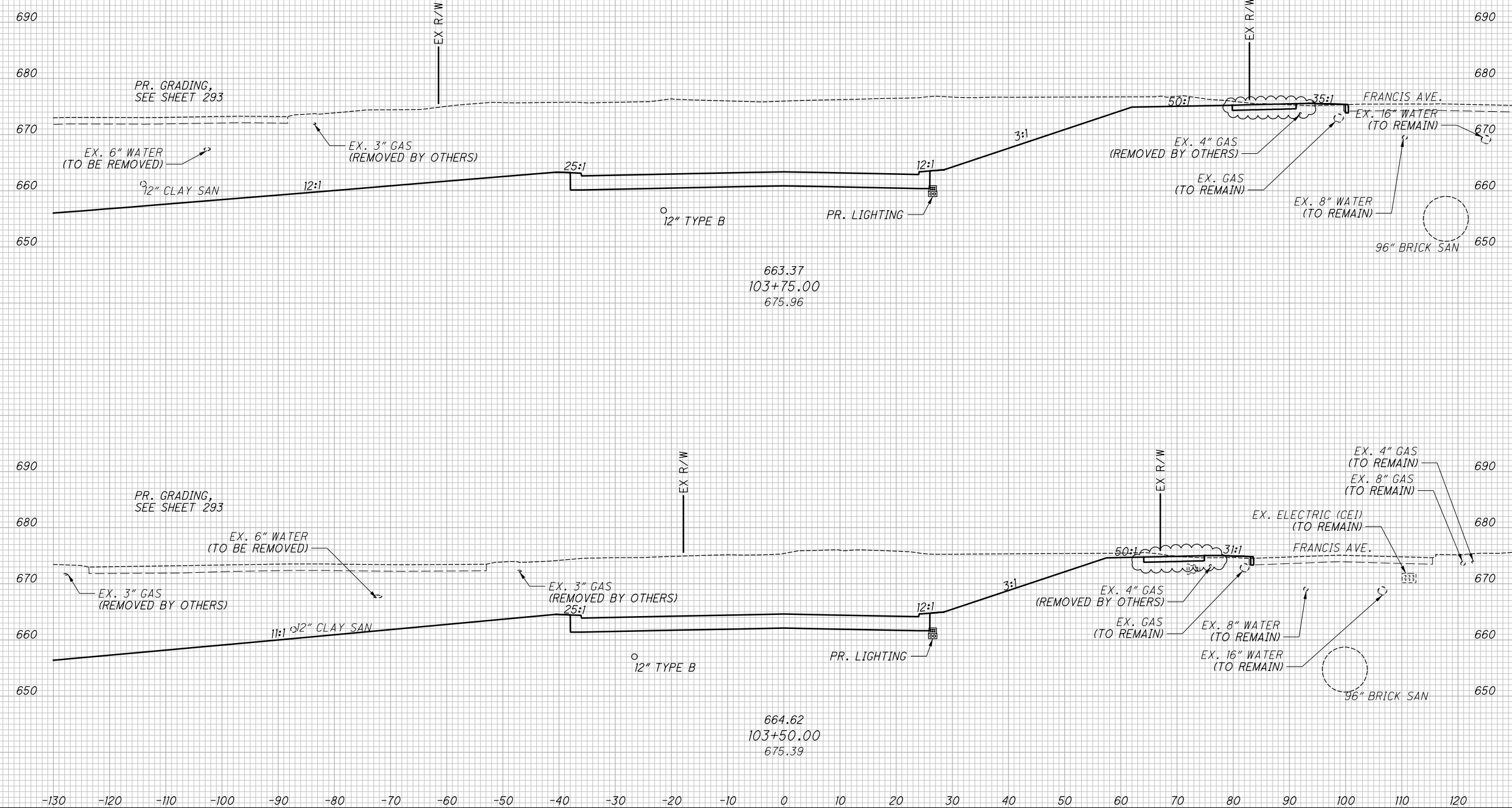
**CROSS SECTIONS - QUADRANT RD.
STA. 102+25.00 TO STA. 102+50.00**

**CROSS SECTIONS - QUADRANT RD.
STA. 102+75.00 TO STA. 103+25.00**

SEEDING	
END WIDTH	SO. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED JTH	CHECKED SM
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CROSS SECTIONS - QUADRANT RD.
STA. 103+50.00 TO STA. 103+75.00

RECORD PLANS

RECORD PLANS

CUY-IR490/ SR010-
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RECORD PLANS

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303

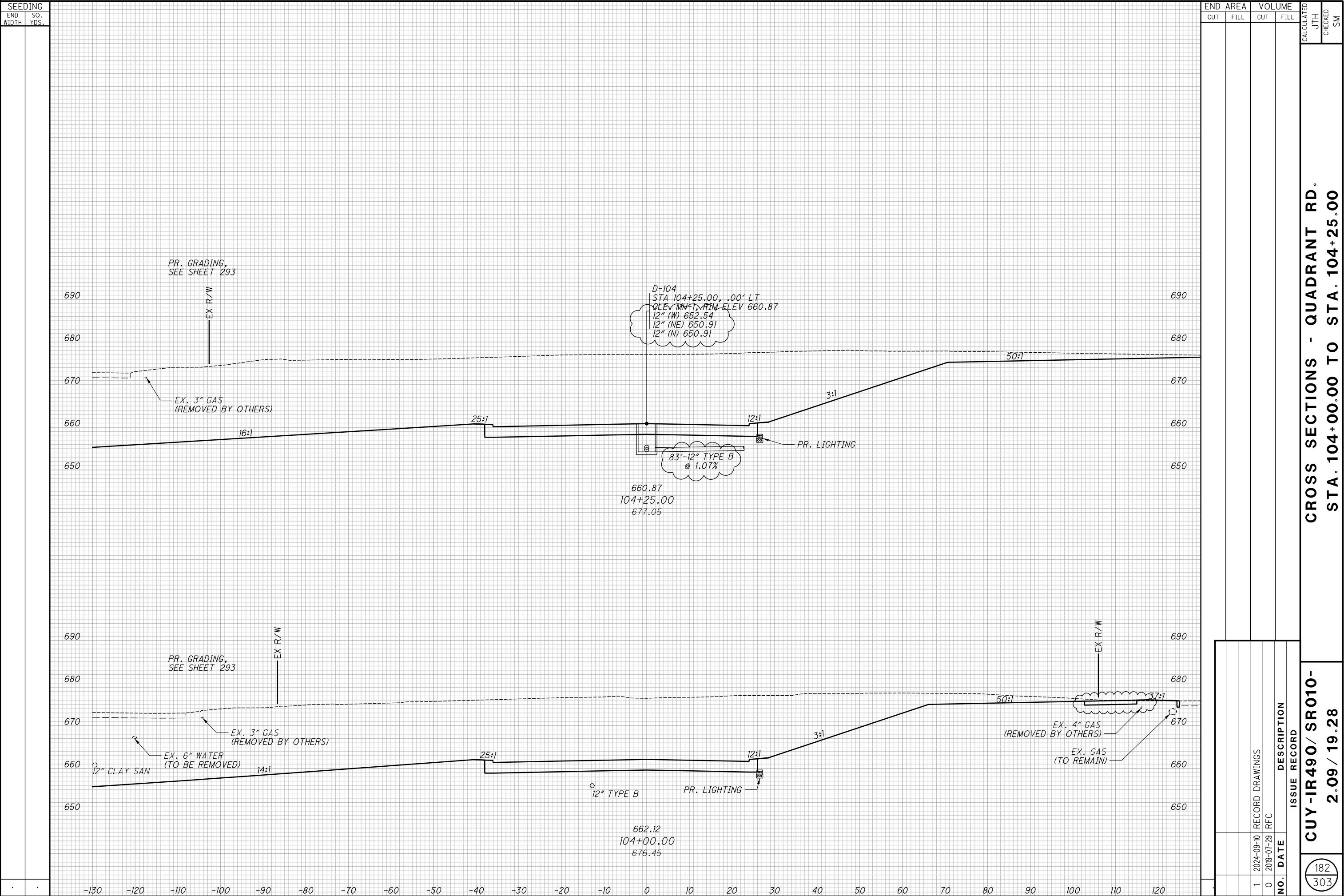
1 2024-09-10 RECORD DRAWINGS

0 2019-07-29 RFC

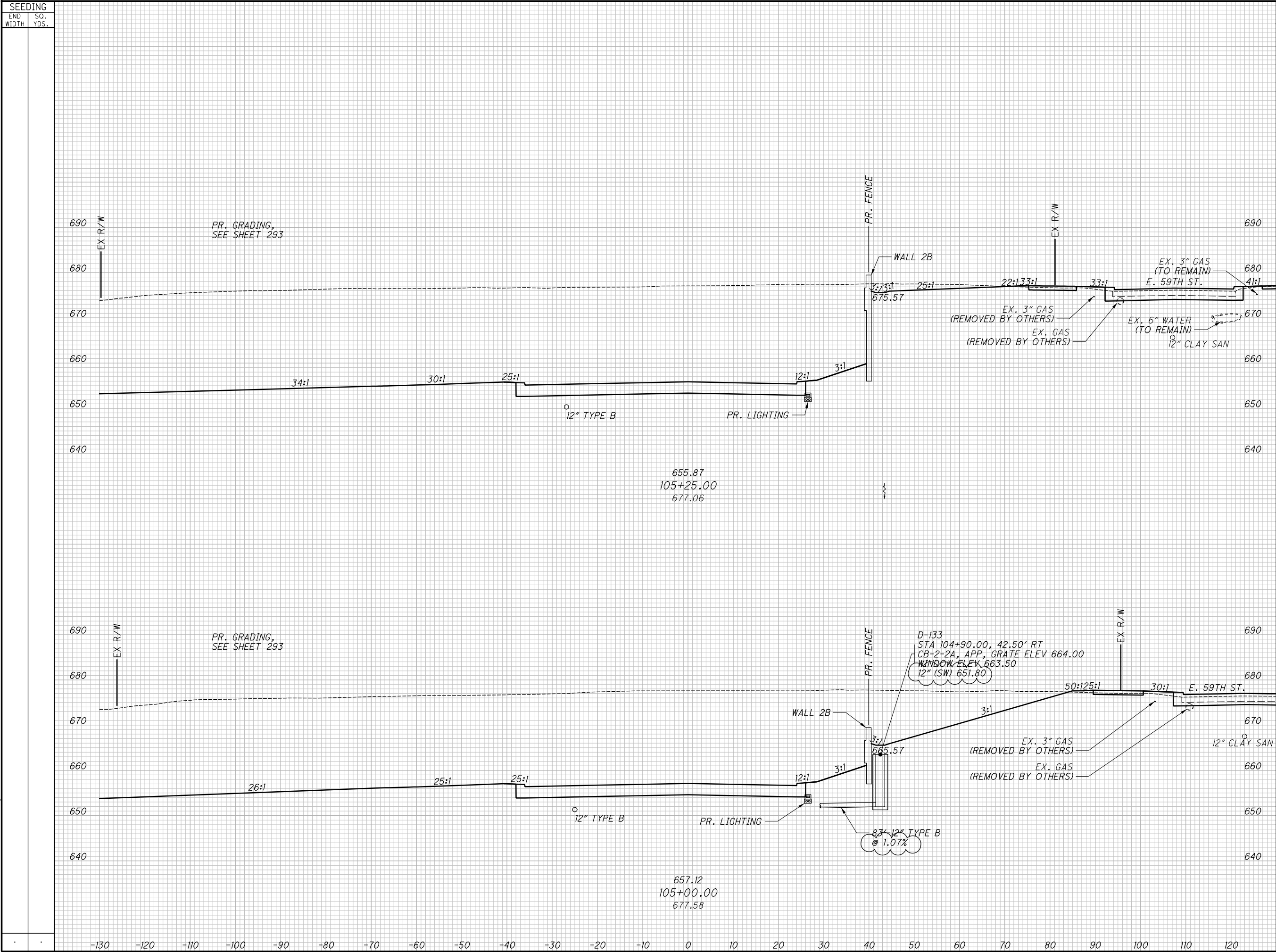
NO. DATE

DESCRIPTION

ISSUE RECORD




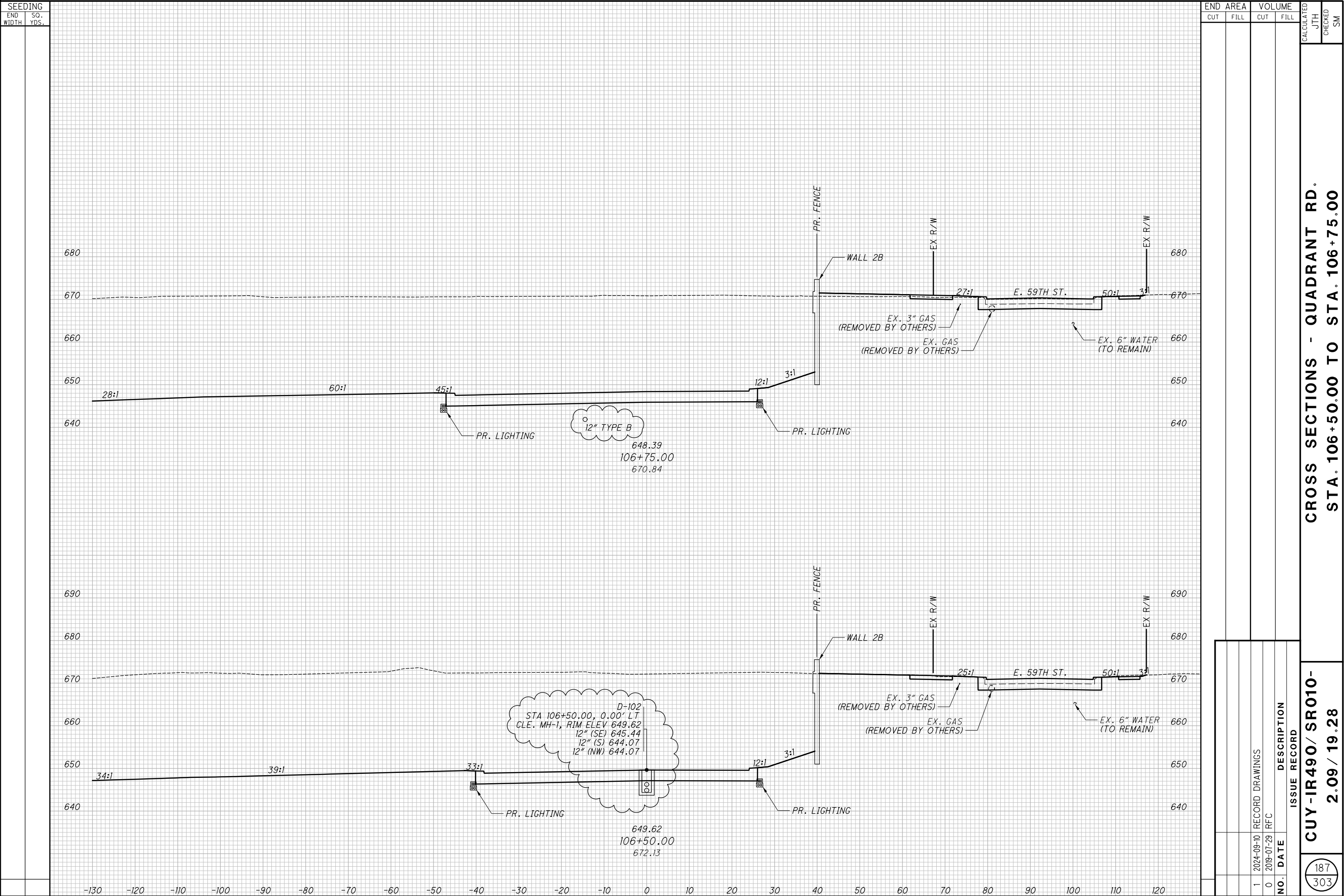
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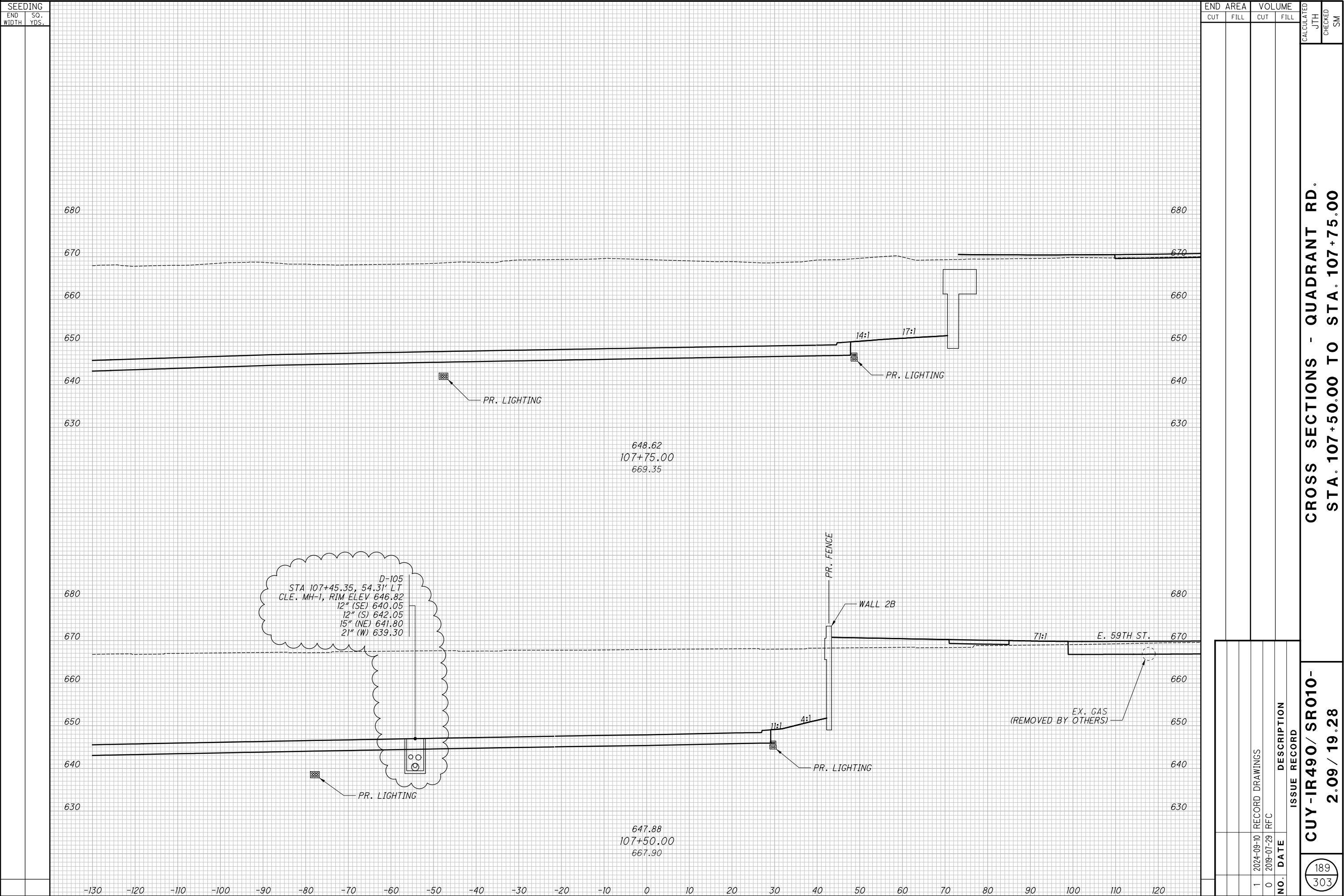
END		AREA		VOLUME		CALCULATED JTH	CHECKED SM
CUT		FILL		CUT	FILL		
						CROSS SECTIONS - QUADRANT RD. STA. 105+00.00 TO STA. 105+25.00	
1	2024-09-10	RECORD DRAWINGS				CUY-IR490// SR010- 2.09 / 19.28	
0	2019-07-29	RFC					
NO. DATE		DESCRIPTION					
		ISSUE RECORD					
						184 303	

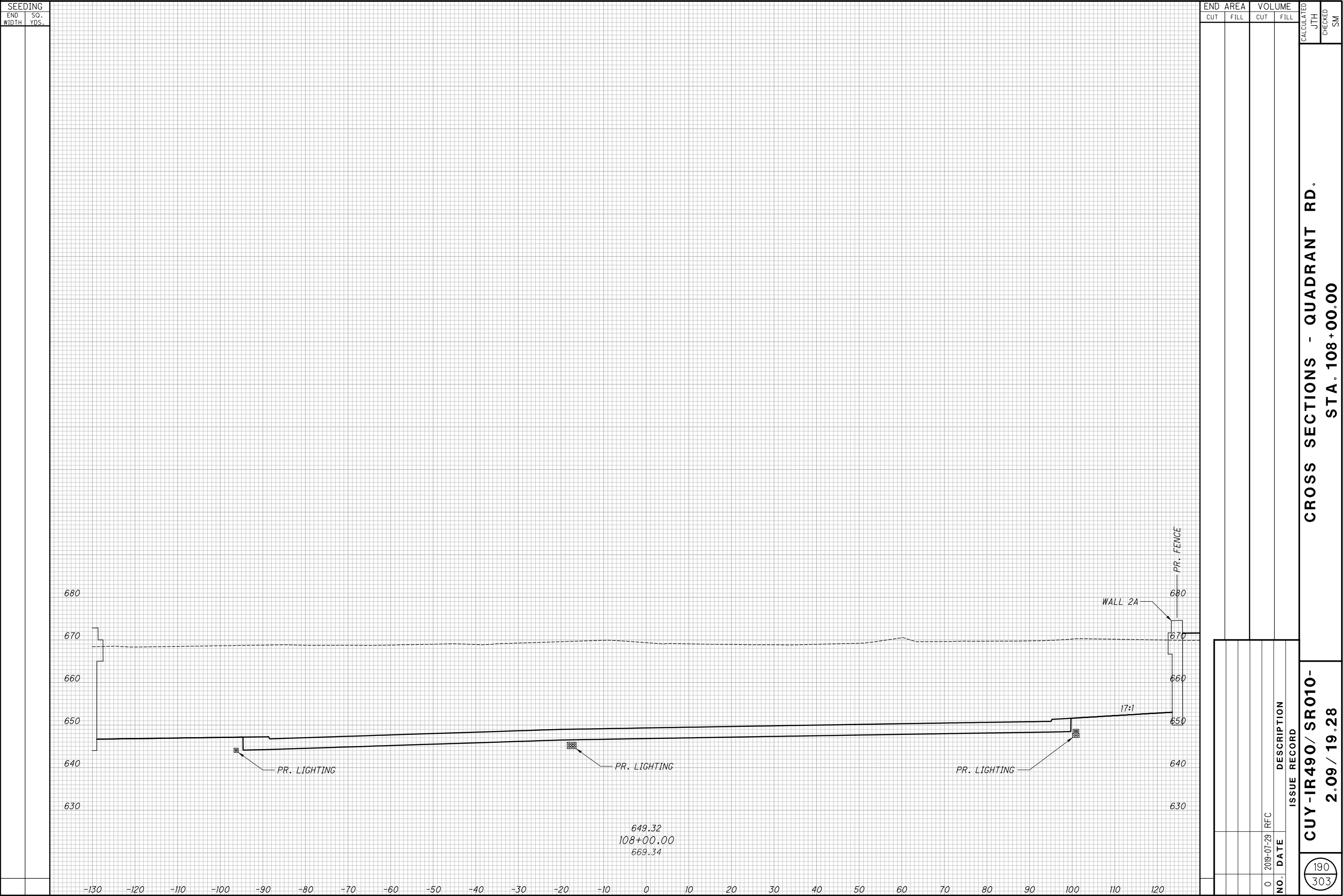
**CROSS SECTIONS - QUADRANT RD.
STA. 105+50.00 TO STA. 105+75.00**

	CUY-IR490/ SR010- 2.09 / 19.28	CROSS SECTIONS - QUADRANT RD. STA. 106+00.00 TO STA. 106+25.00	CALCULATED
			CHECKED
			SM

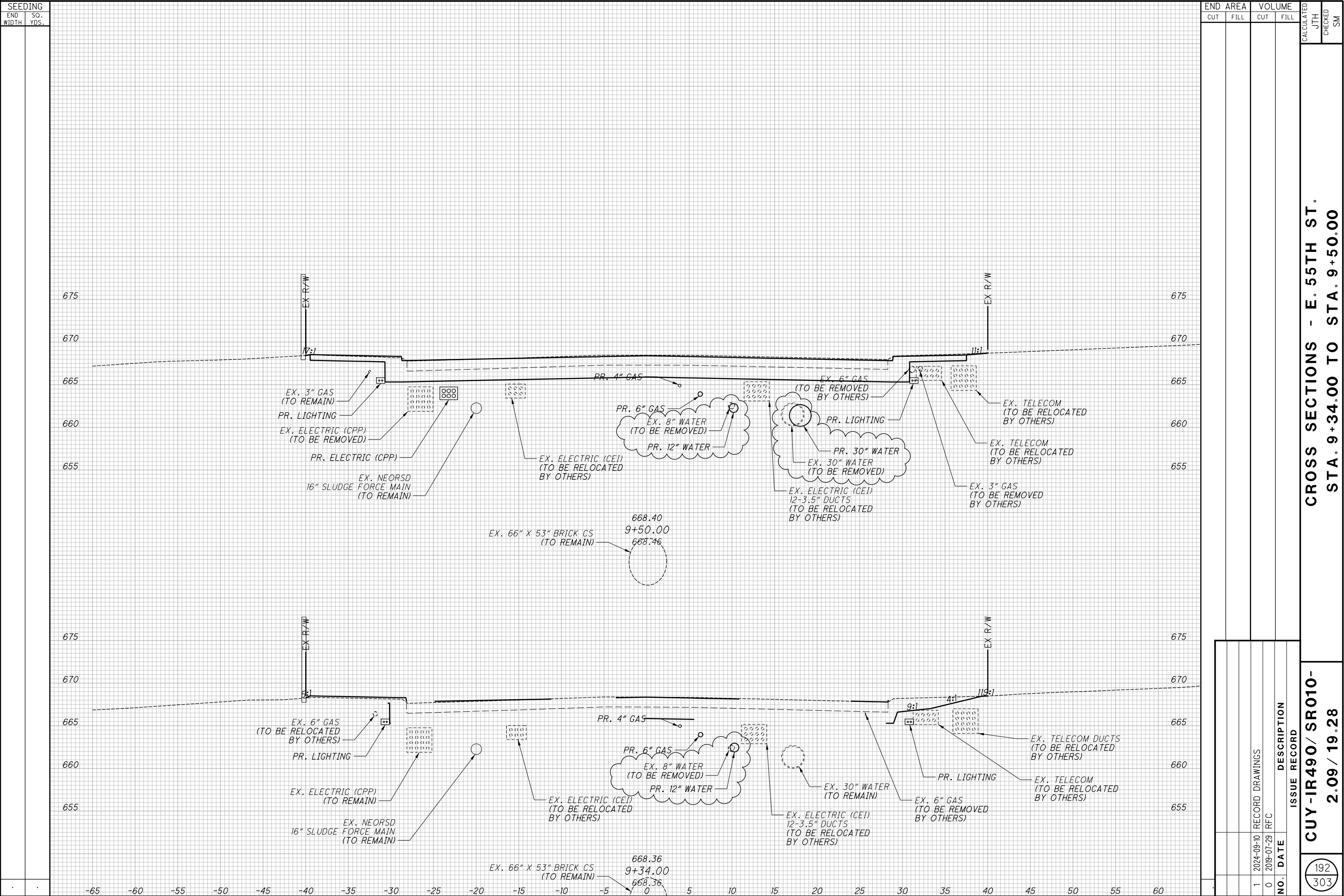


**CROSS SECTIONS - QUADRANT RD.
STA. 107+00.00 TO STA. 107+25.00**



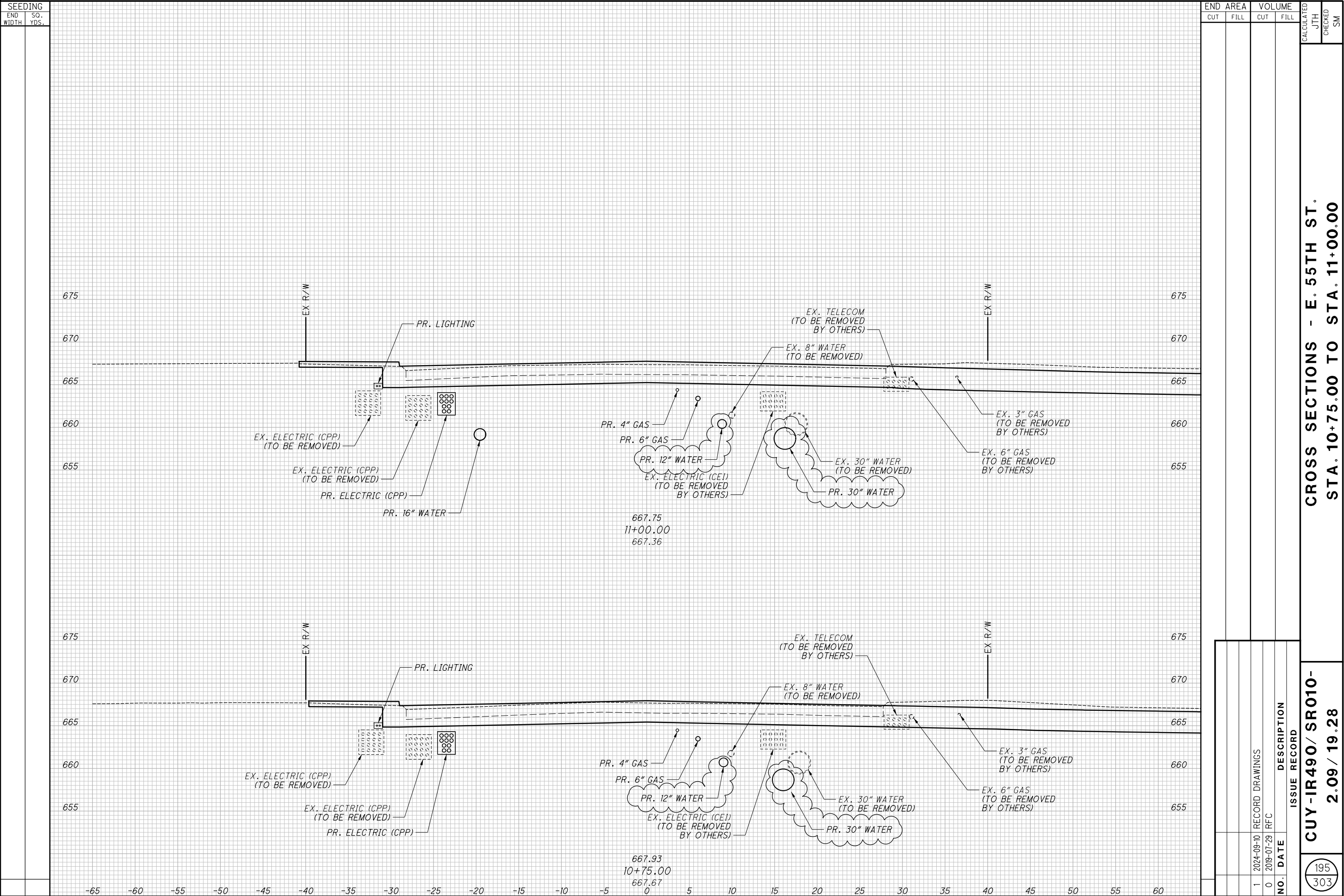


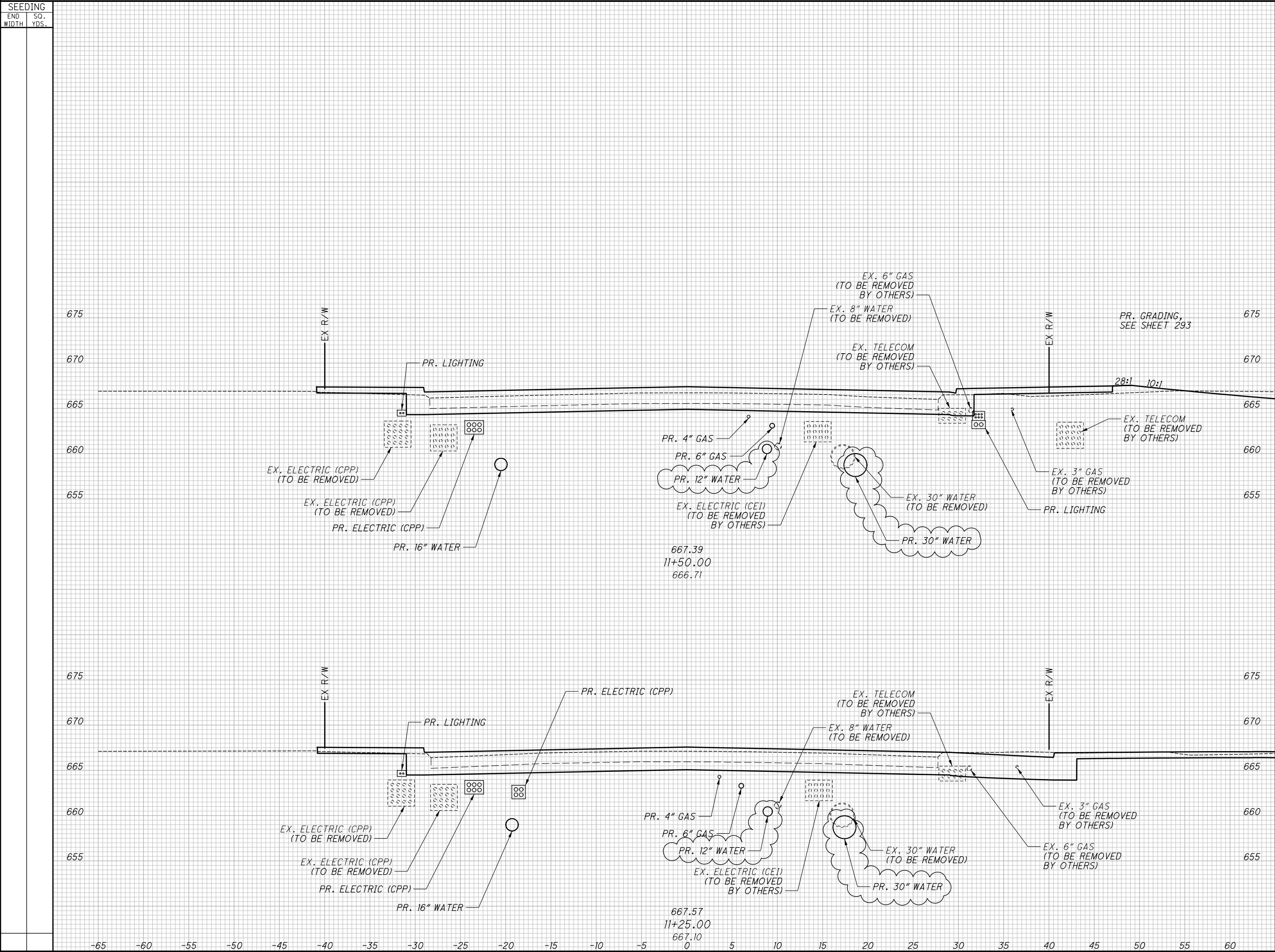
**CROSS SECTIONS - E. 55TH ST.
STA. 9+00.00 TO STA. 9+25.00**



**CROSS SECTIONS - E. 55TH ST.
STA. 9+75.00 TO STA. 10+00.00**

SEEDING		END AREA		VOLUME		CALCULATED		CHECKED	
END	SO.	CUT	FILL	CUT	FILL	JTH	SM		
WIDTH	YDS.								
CROSS SECTIONS - E. 55TH ST.									
STA. 10+25.00 TO STA. 10+50.00									
2.09 / 19.28									
194									
303									





CROSS SECTIONS - E. 55TH ST.
STA. 11+25.00 TO STA. 11+50.00

RECORD PLANS

RECORD PLANS

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RECORD PLANS

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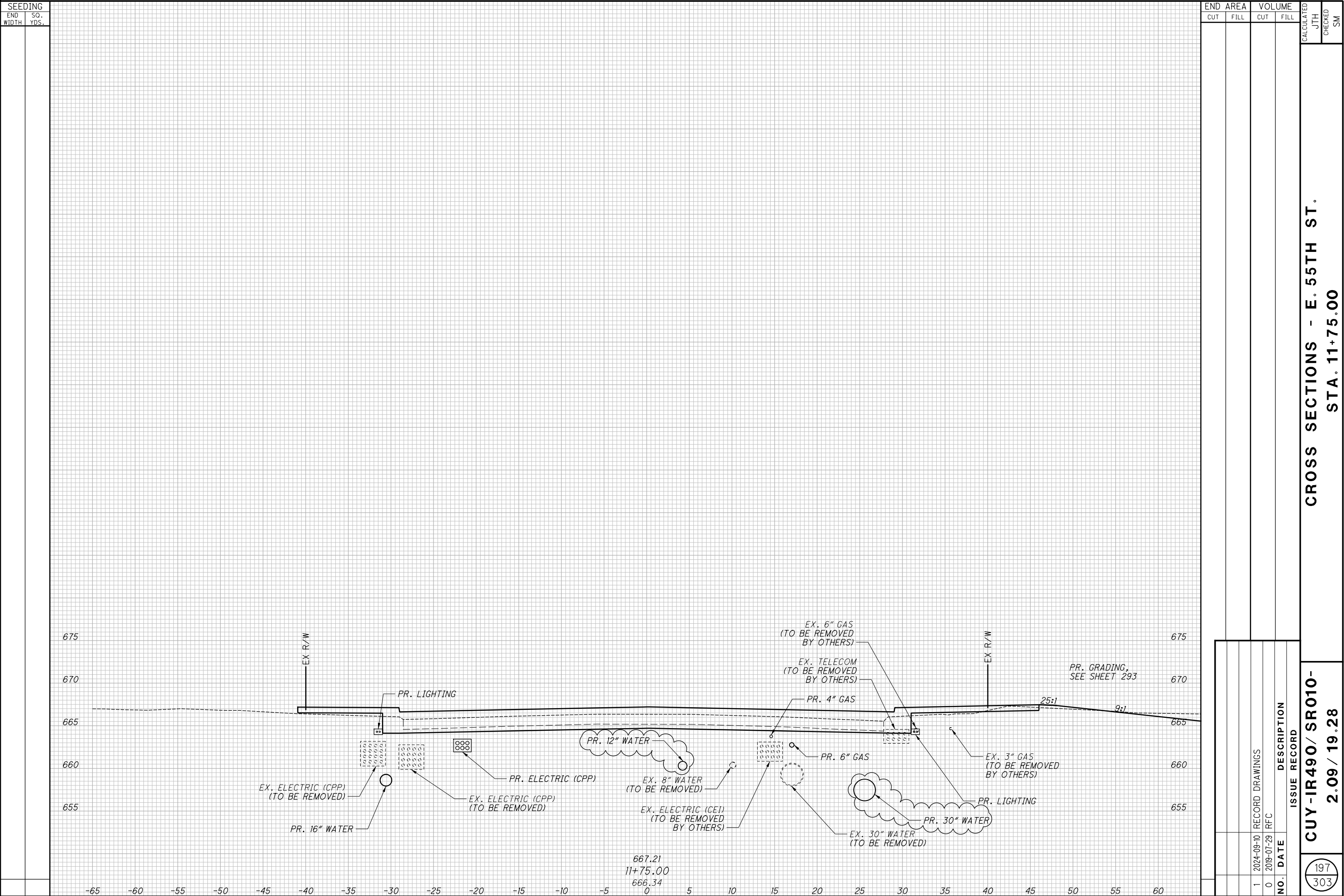
1 2024-09-10 RECORD DRAWINGS

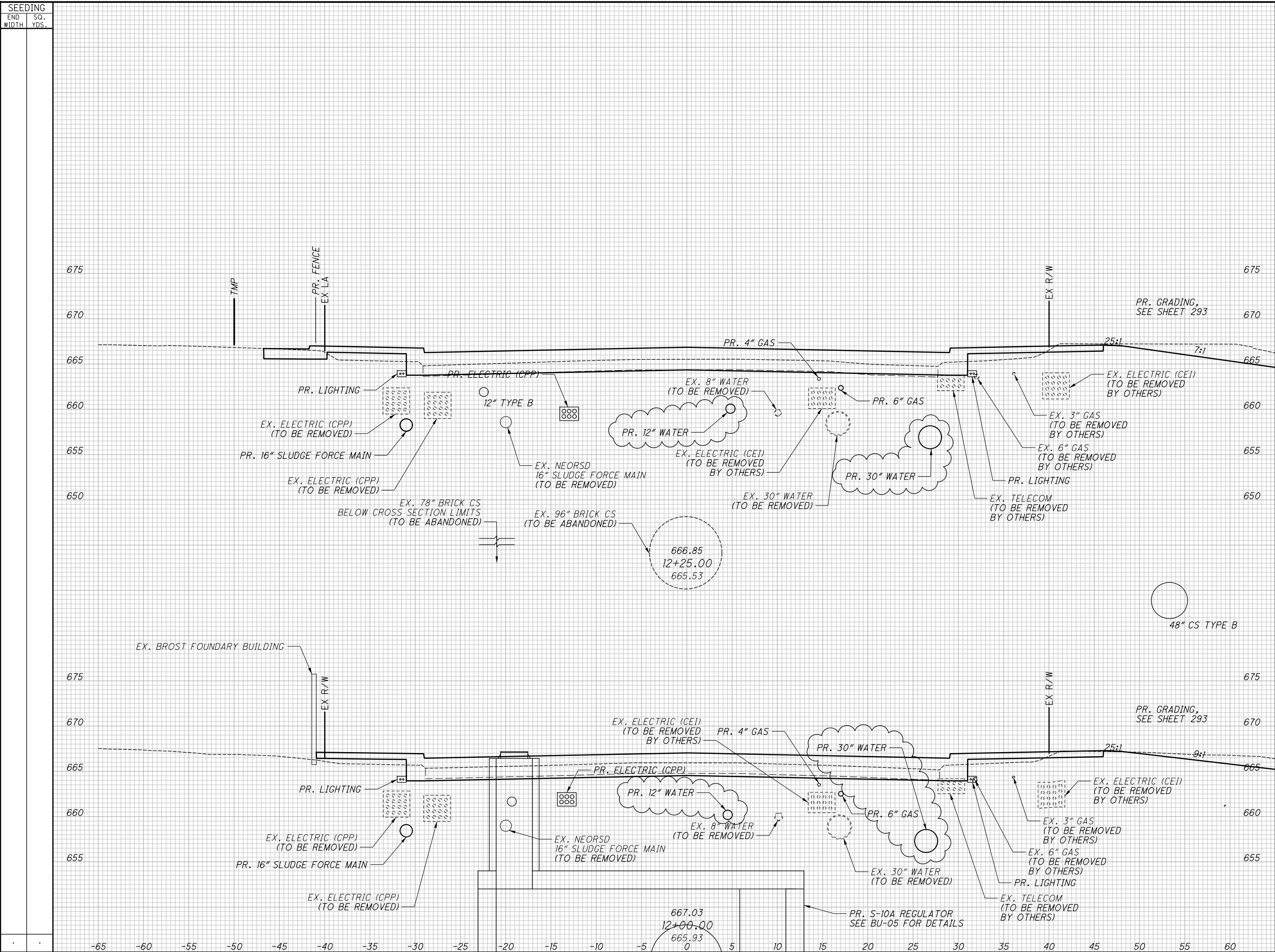
0 2019-07-29 RFC

NO. DATE

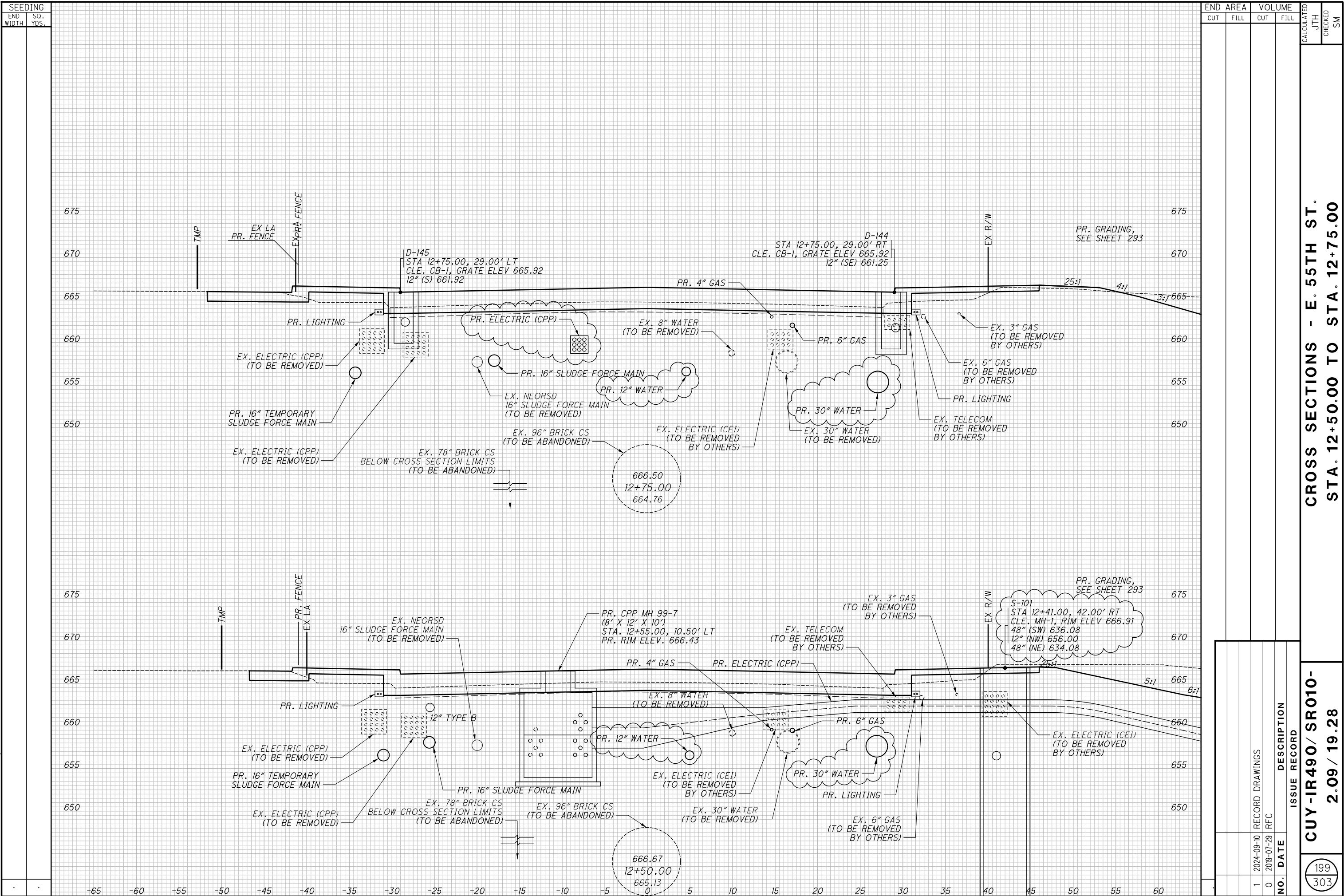
DESCRIPTION

ISSUE RECORD



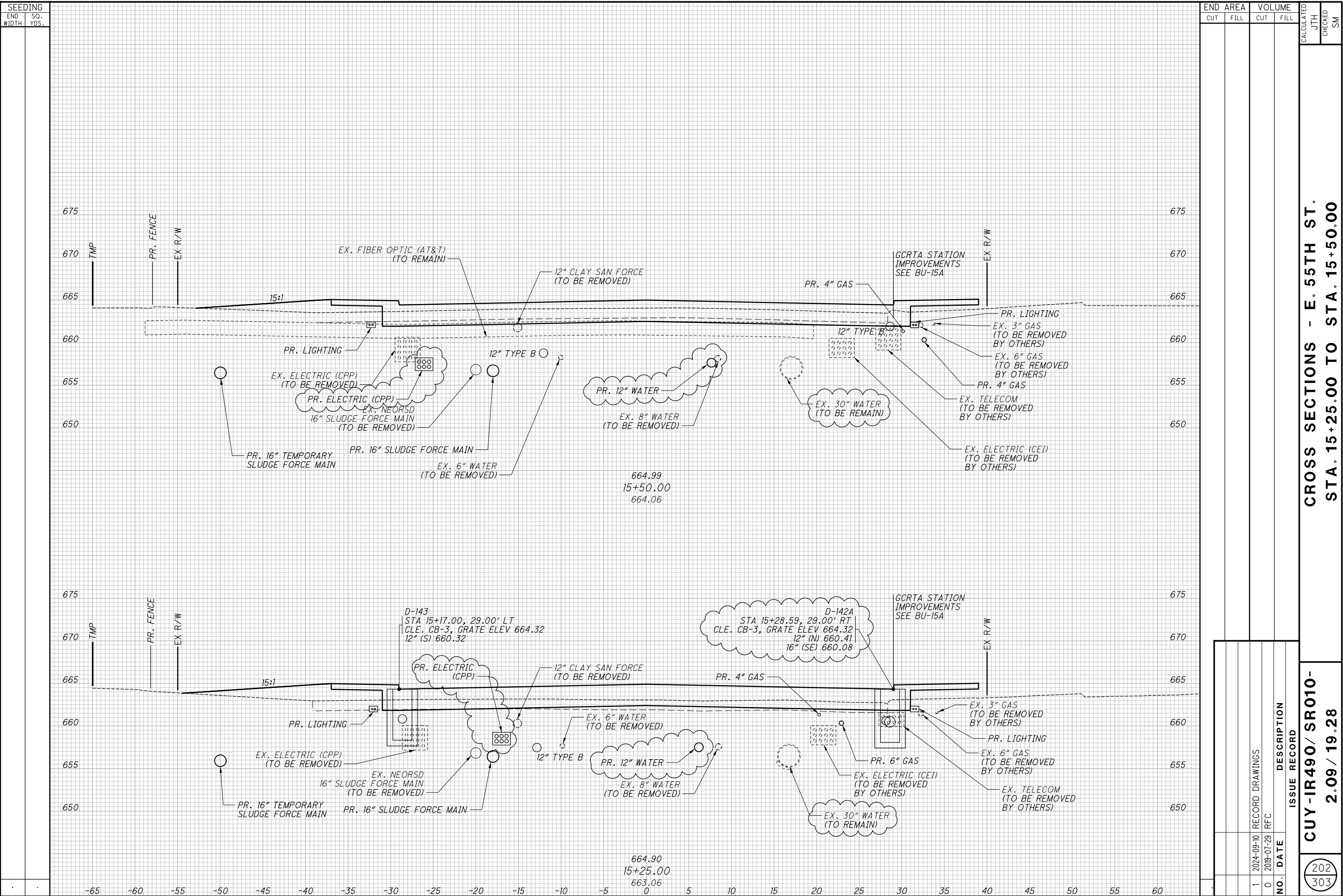


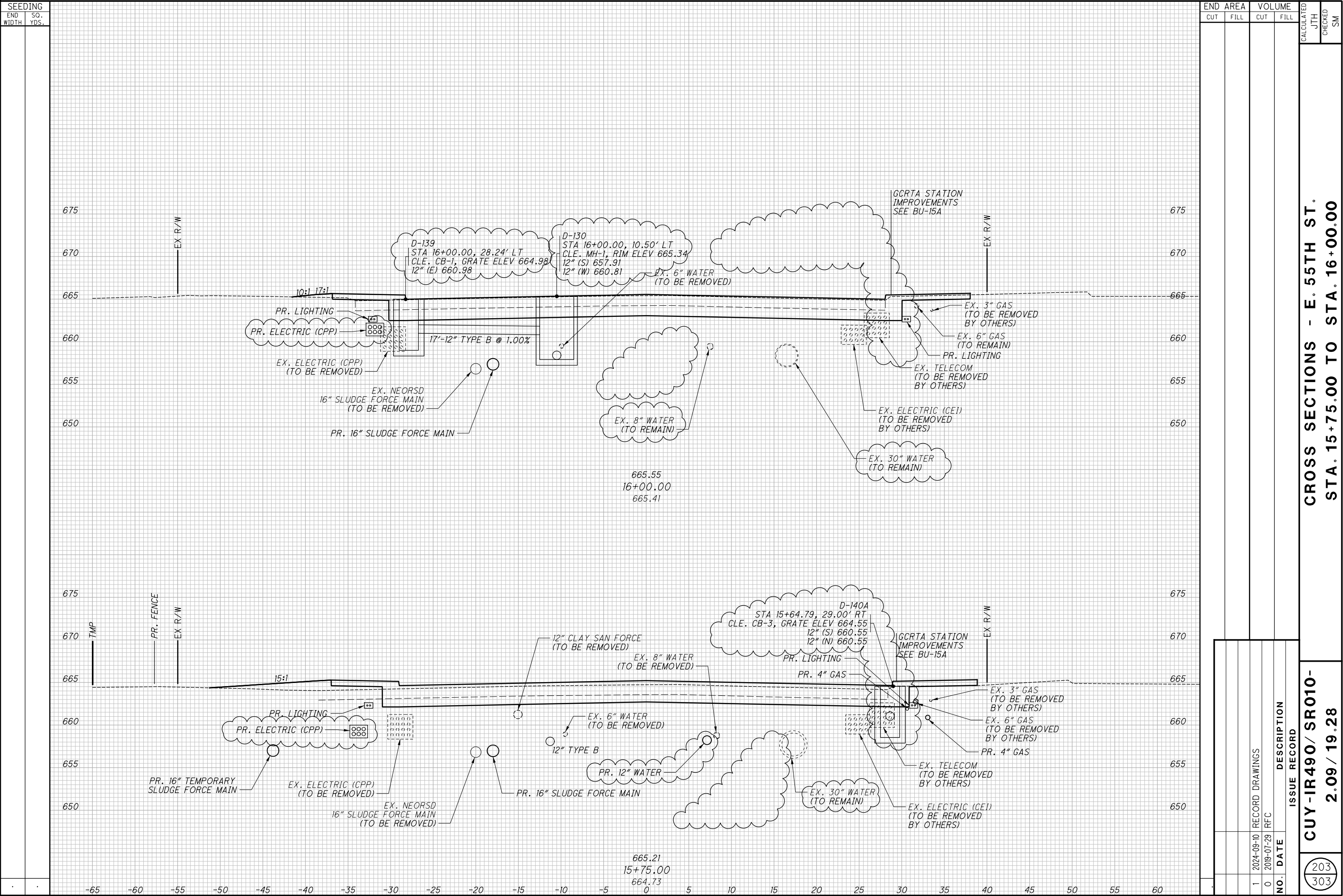
SEEDING		END AREA		VOLUME		CALCULATED JTH	CHECKED SM
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL		
CROSS SECTIONS - E. 55TH ST. STA. 12+00.00 TO STA. 12+25.00							
RECORD PLANS							
1		2024-09-10		RECORD DRAWINGS		CUY-IR490/ SR010-	
0		2019-07-29		RFC		2.09 / 19.28	
NO. DATE		ISSUE RECORD		DESCRIPTION		RECORD PLANS	
						198	
						303	



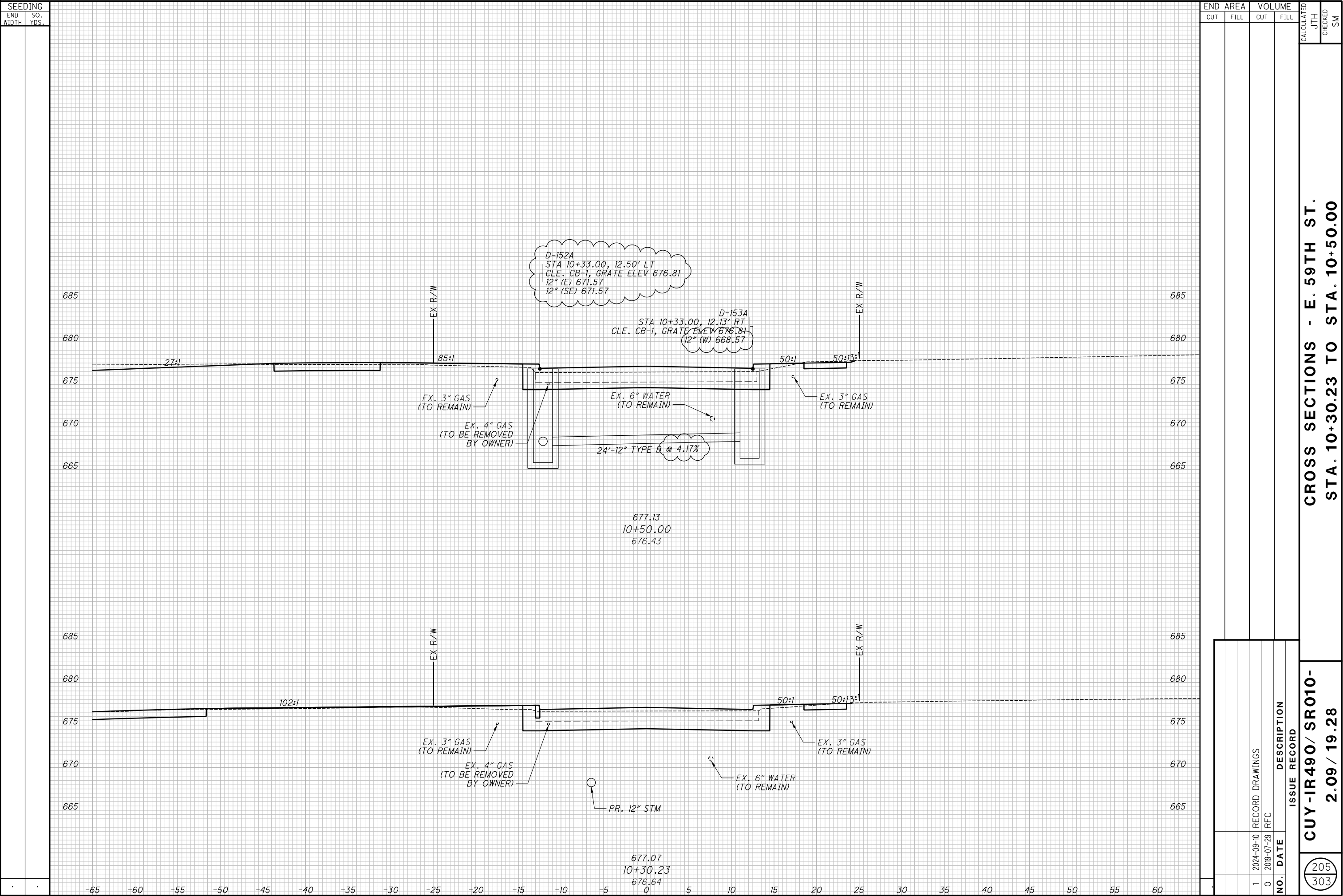
**CROSS SECTIONS - E. 55TH ST.
STA. 13+00.00 TO STA. 14+50.00**

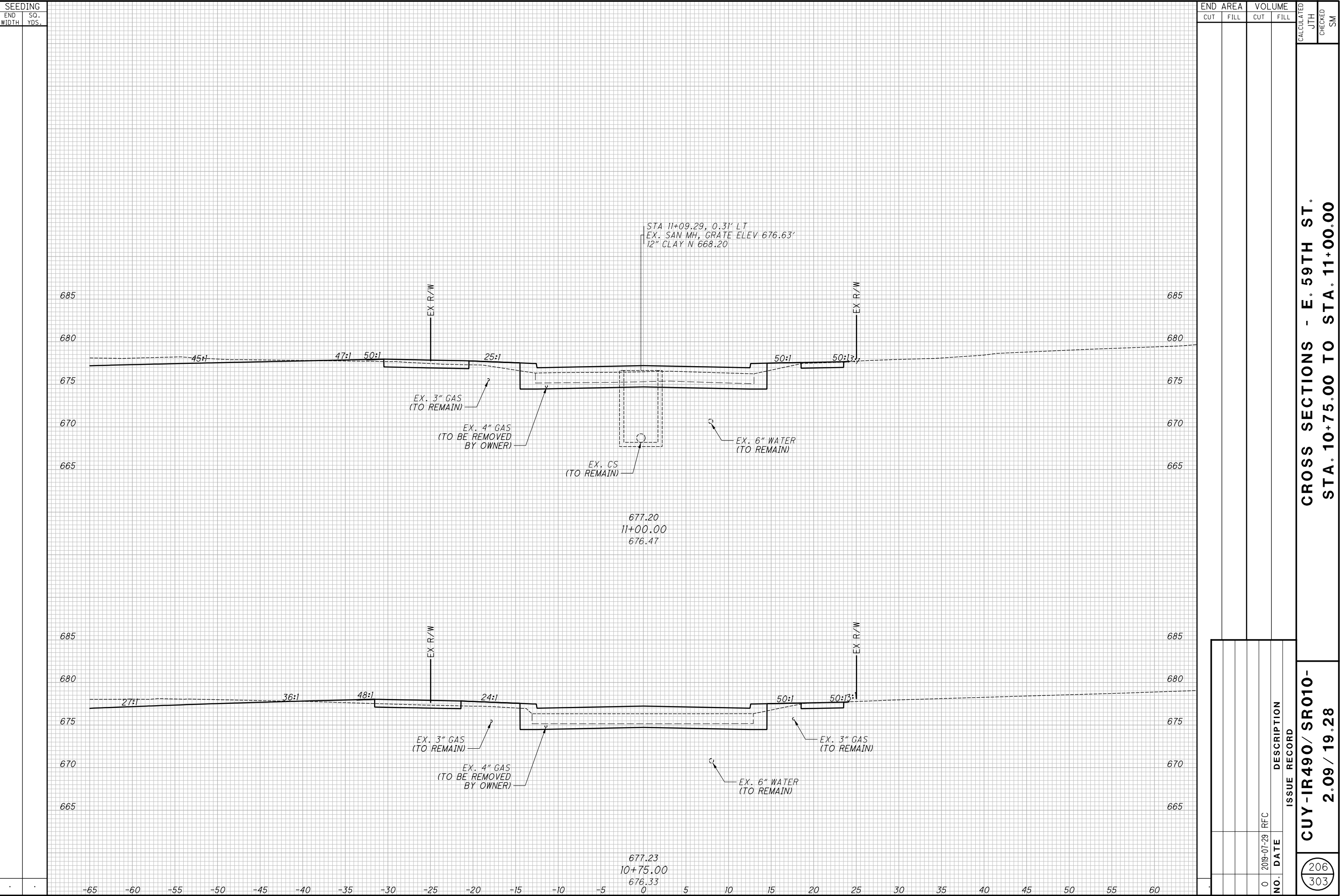
[illegible]





CROSS SECTIONS - E. 55TH ST.
STA. 16+25.00 TO STA. 16+50.00





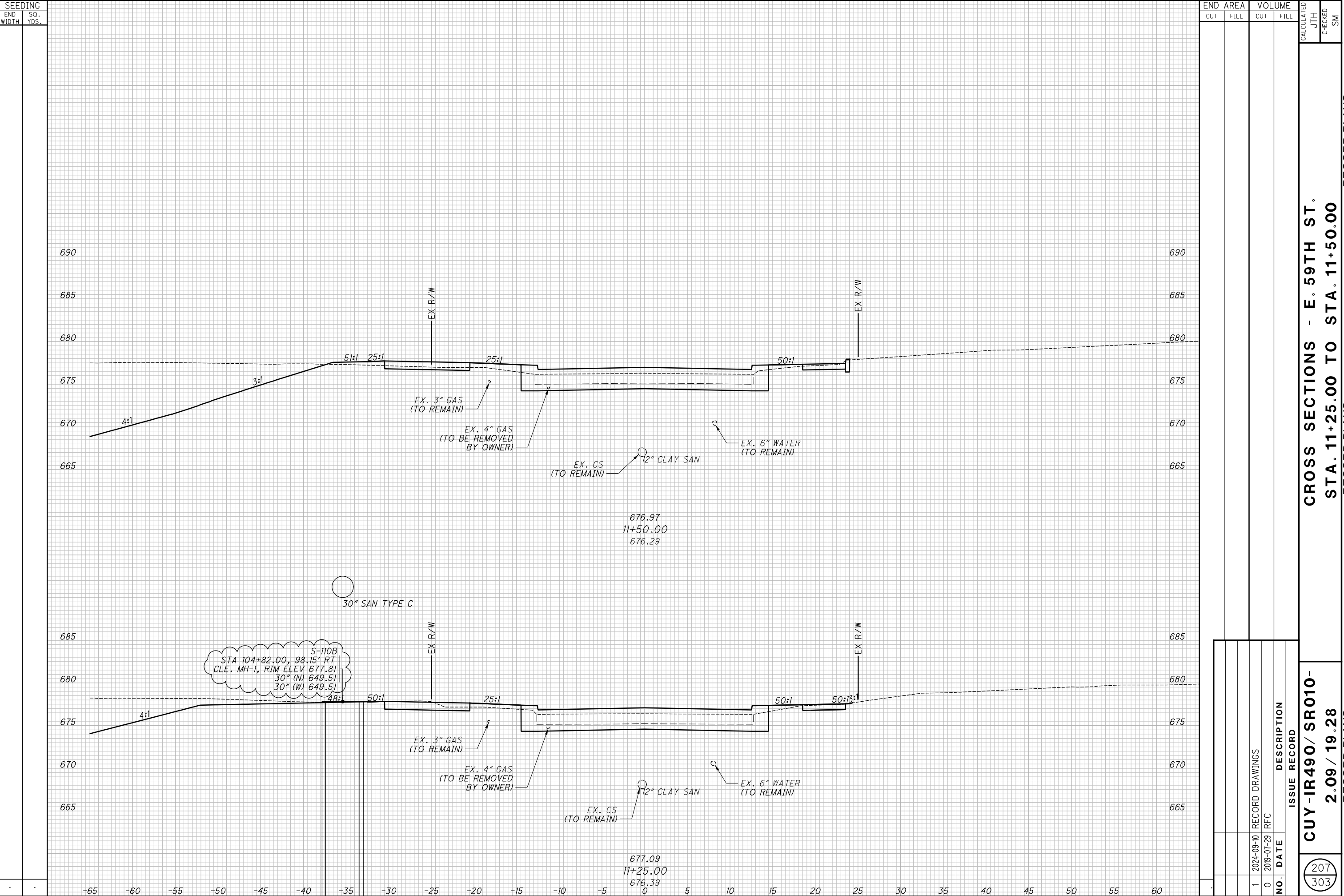
CROSS SECTIONS - E. 59TH ST.
STA. 10+75.00 TO STA. 11+00.00

CUY-IR490/ SR010-
2.09 / 19.28

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RECORD PLANS

RECORD PLANS



CROSS SECTIONS - E. 59TH ST.
STA. 11+25.00 TO STA. 11+50.00

CUY-IR490/ SR010-
2.09 / 19.28

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303

RECORD PLANS

RECORD PLANS

**CROSS SECTIONS - E. 59TH ST.
STA. 11+75.00 TO STA. 12+00.00**

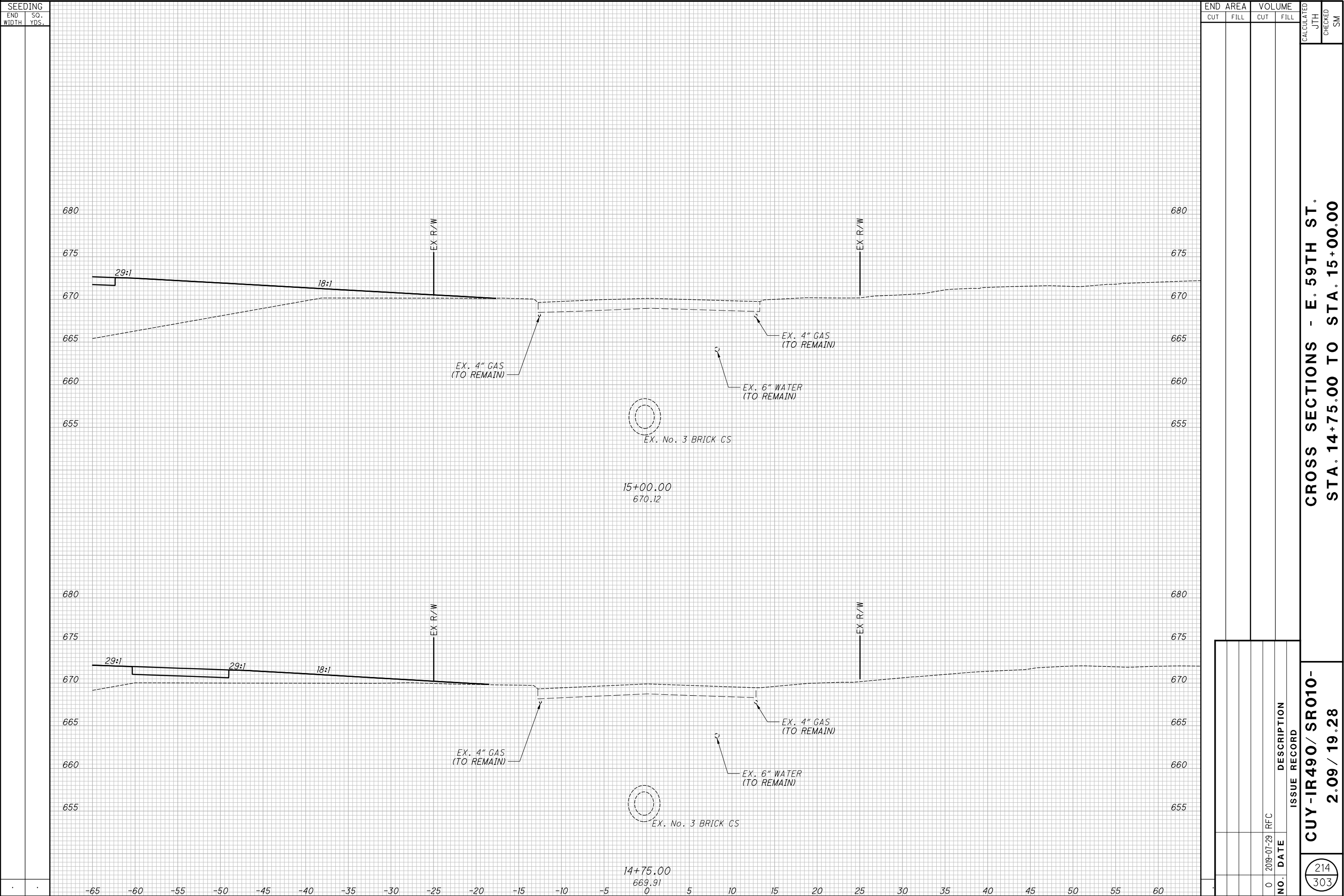
**CROSS SECTIONS - E. 59TH ST.
STA. 12+25.00 TO STA. 12+50.00**

**CROSS SECTIONS - E. 59TH ST.
STA. 12+75.00 TO STA. 13+00.00**

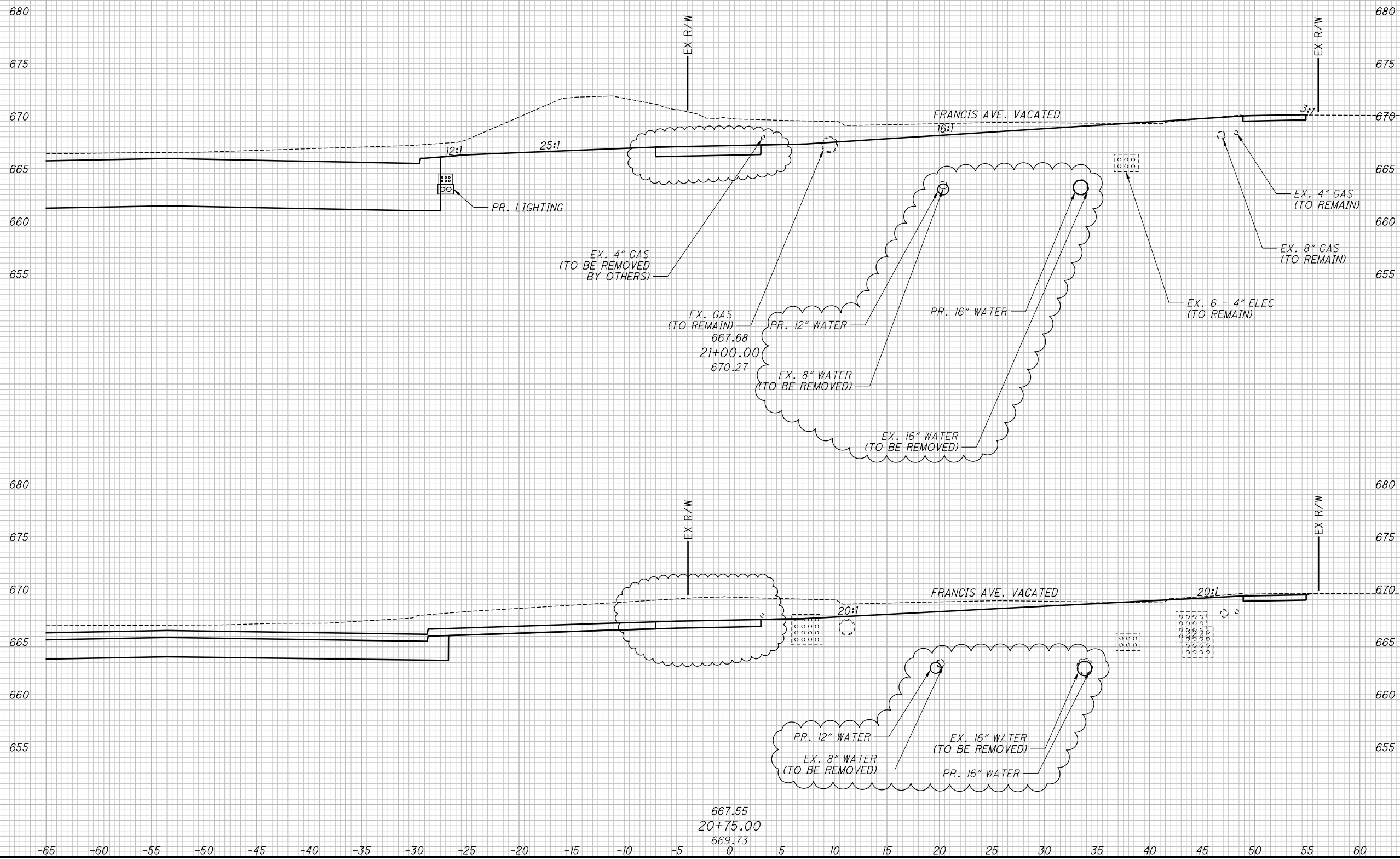
**CROSS SECTIONS - E. 59TH ST.
STA. 13+25.00 TO STA. 13+50.00**

[illegible]

[illegible]



SEEDING	
END WIDTH	SQ. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL

ULATED	CKED
TH	SM

CROSS SECTIONS - SHARED-USE PATH
STA. 20+75.00 TO STA. 21+00.00

<div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; margin-right: 10px;"> <div style="display: flex; justify-content: space-between;"> 215 303 </div> </div> <div style="text-align: center;"> <p>CUY-IR490 / SR010-</p> <p>2.09 / 19.28</p> </div> </div>	TOOL MEAS

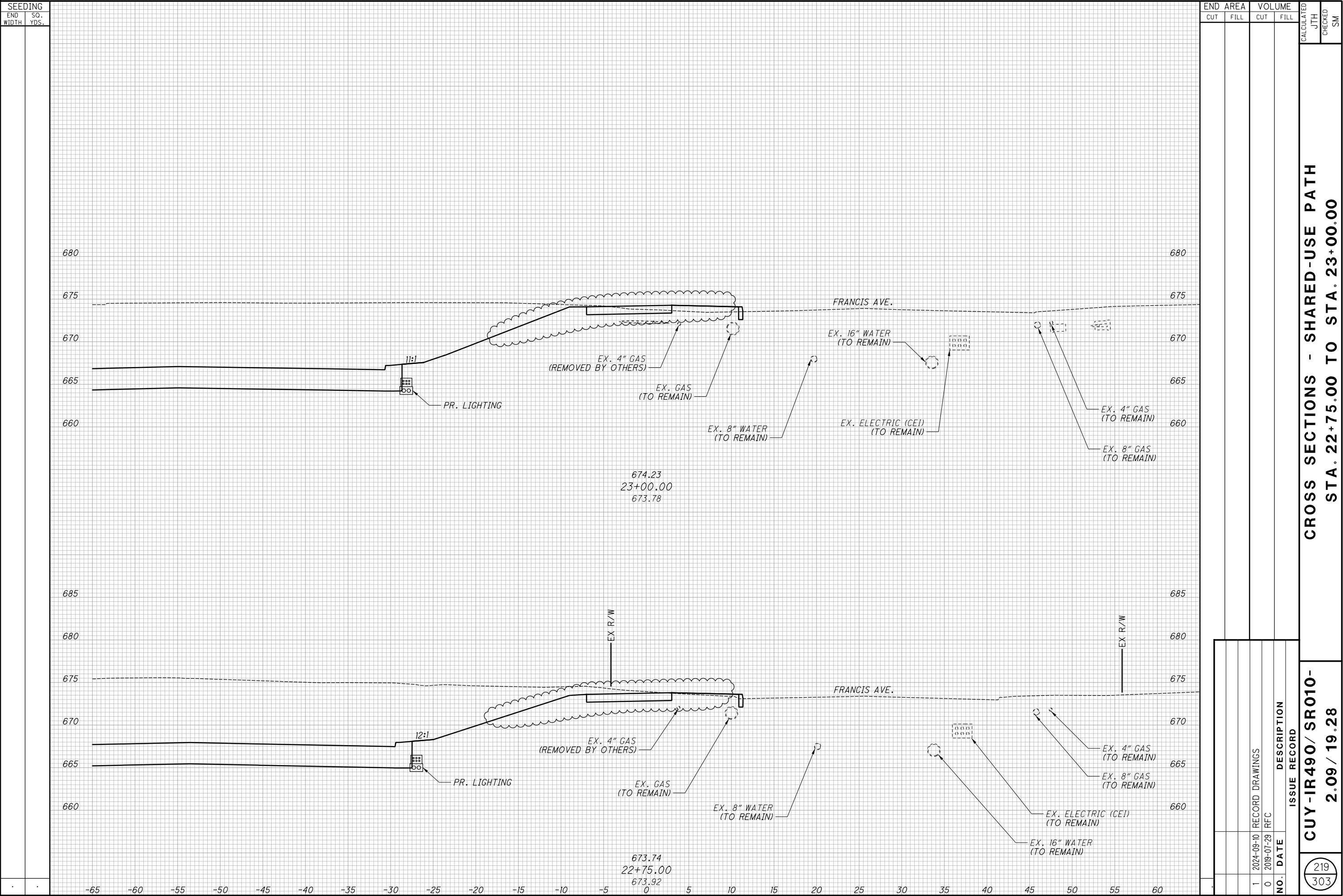
RECORD PLANS

RECORD PLANS

-IR490/ SR010- 2.09 / 19.28	CROSS SECTIONS - SHARED-USE PATH STA. 21+25.00 TO STA. 21+50.00	RECORD PLANS
RECORD PLANS		RECORD PLANS

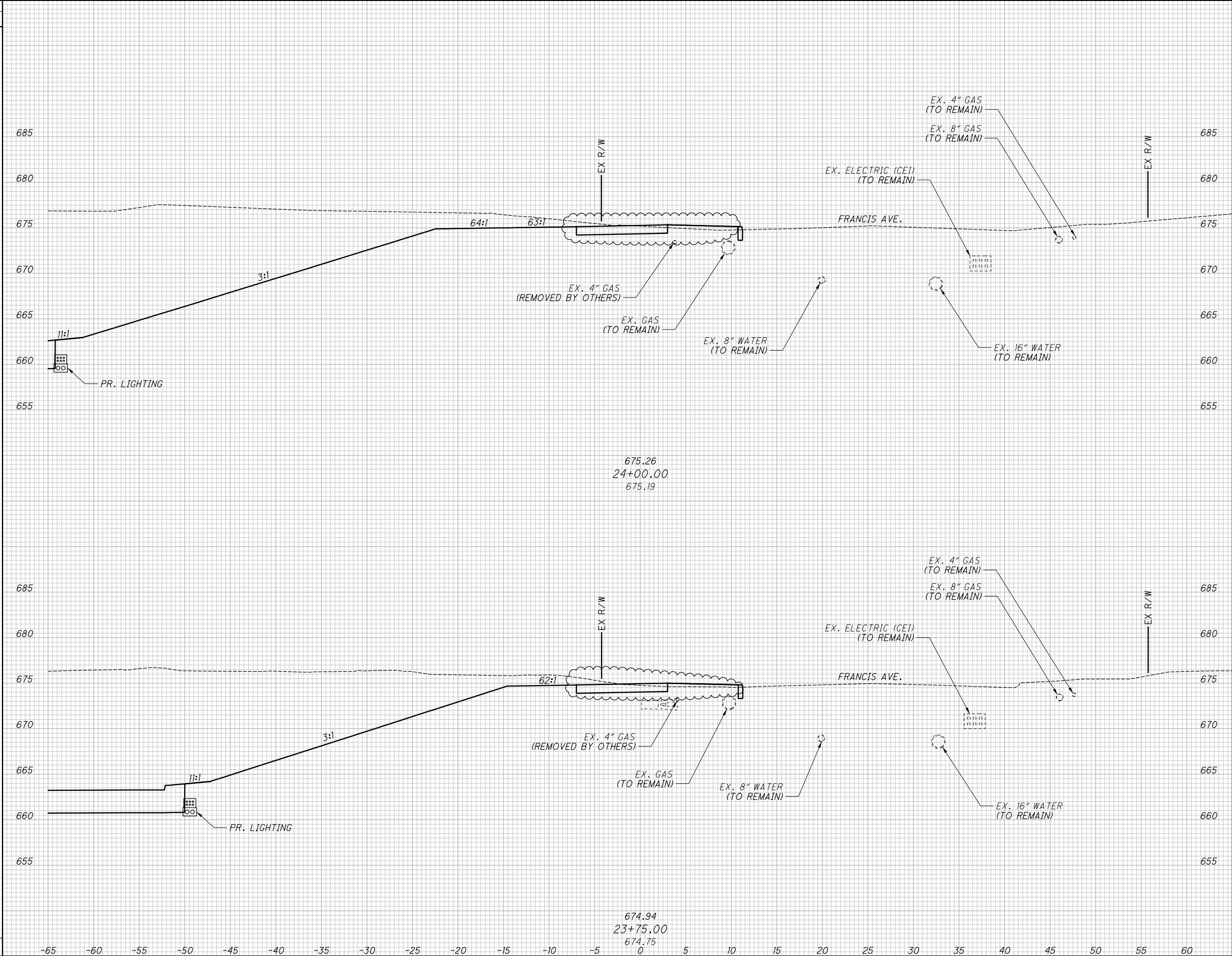
SEEDING		END AREA		VOLUME		CROSS SECTIONS - SHARED-USE PATH	
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	CALCULATED JTH	CHECKED SM
		CROSS SECTIONS - SHARED-USE PATH STA. 21+75.00 TO STA. 22+00.00 CUY-IR490 / SR010- 2.09 / 19.28					
		ISSUE RECORD NO. DATE DESCRIPTION 1 2024-09-10 RECORD DRAWINGS 0 2009-07-29 RFC					
		<div style="text-align: right;"> 217 303 </div>					

[illegible]

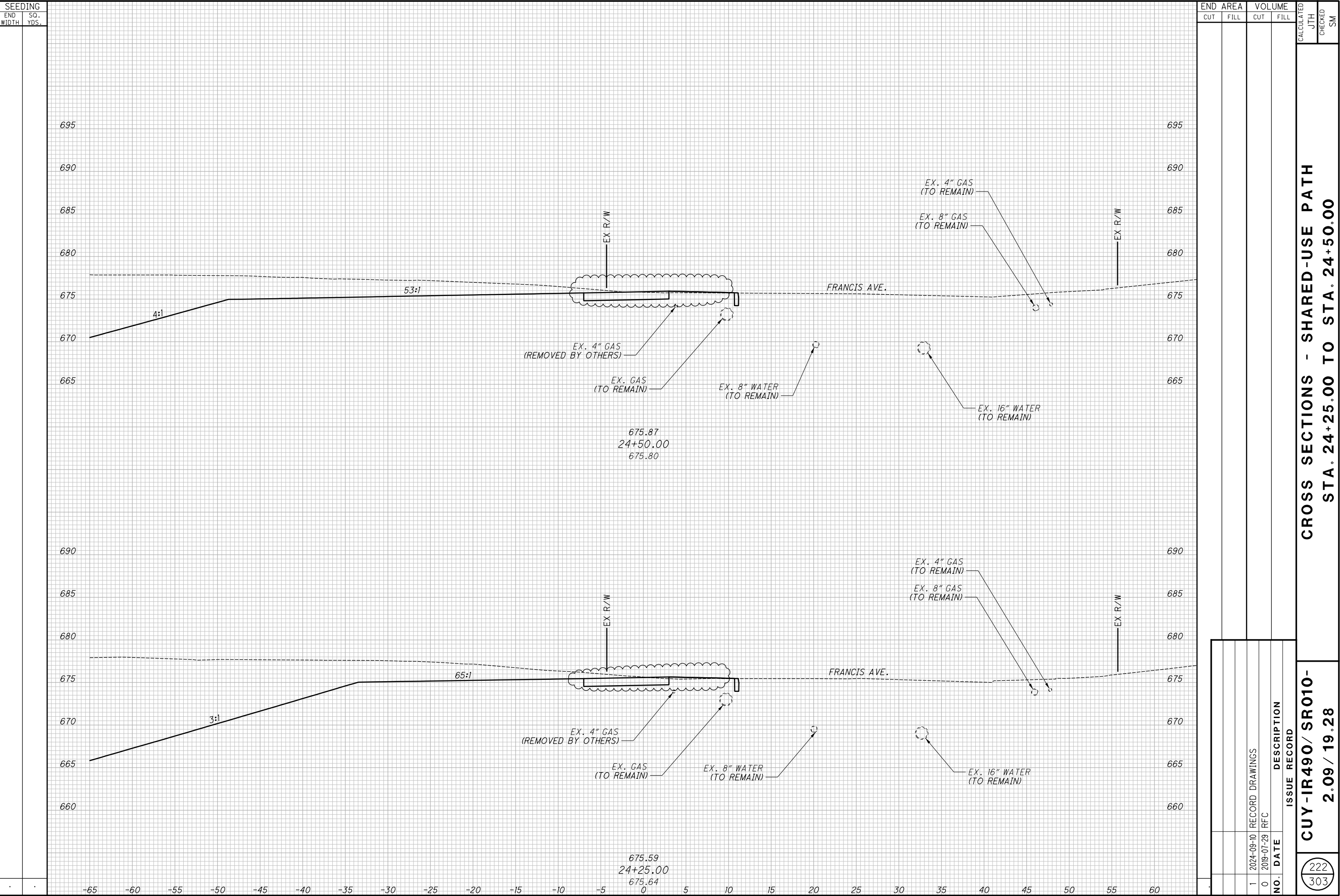


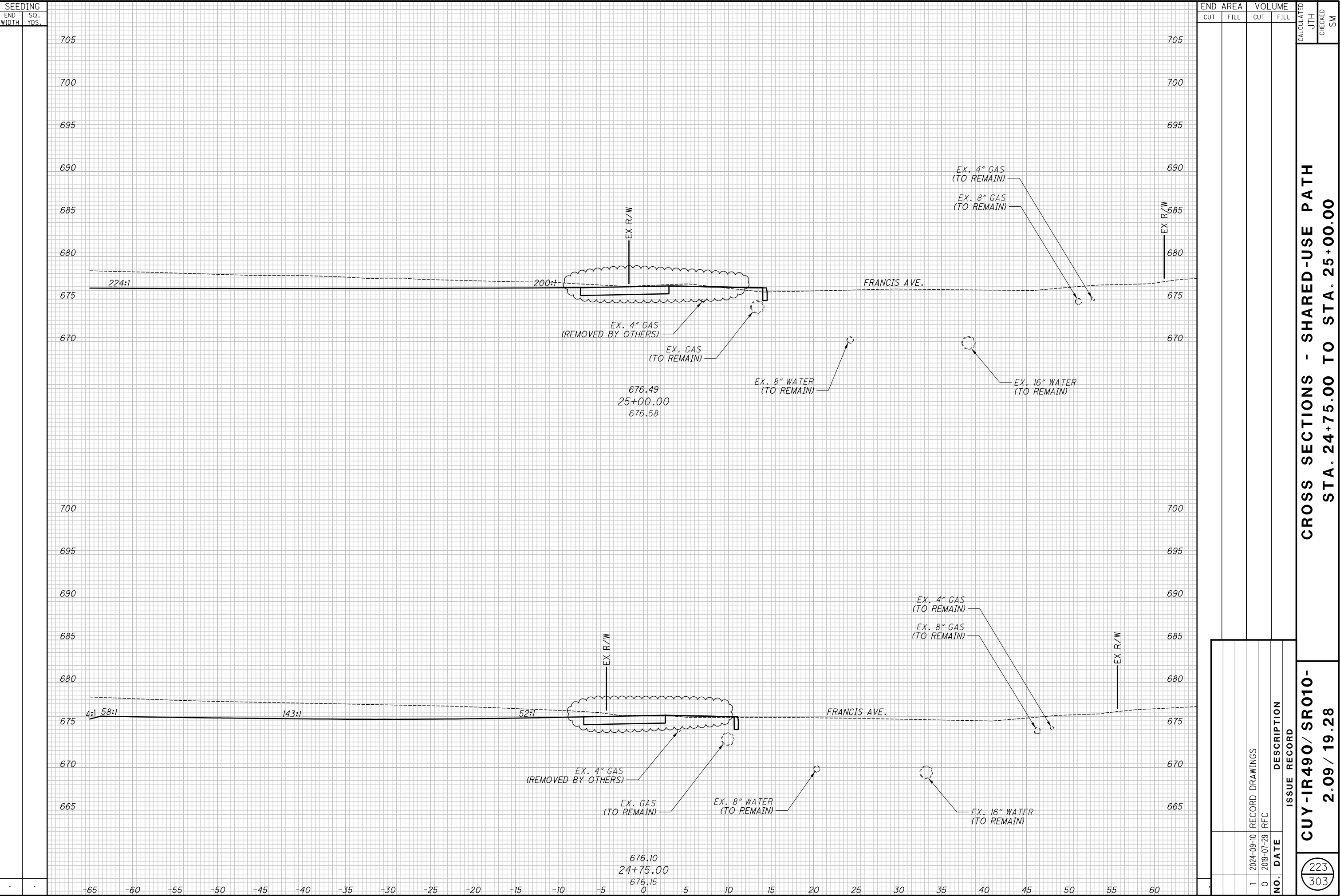
220
303

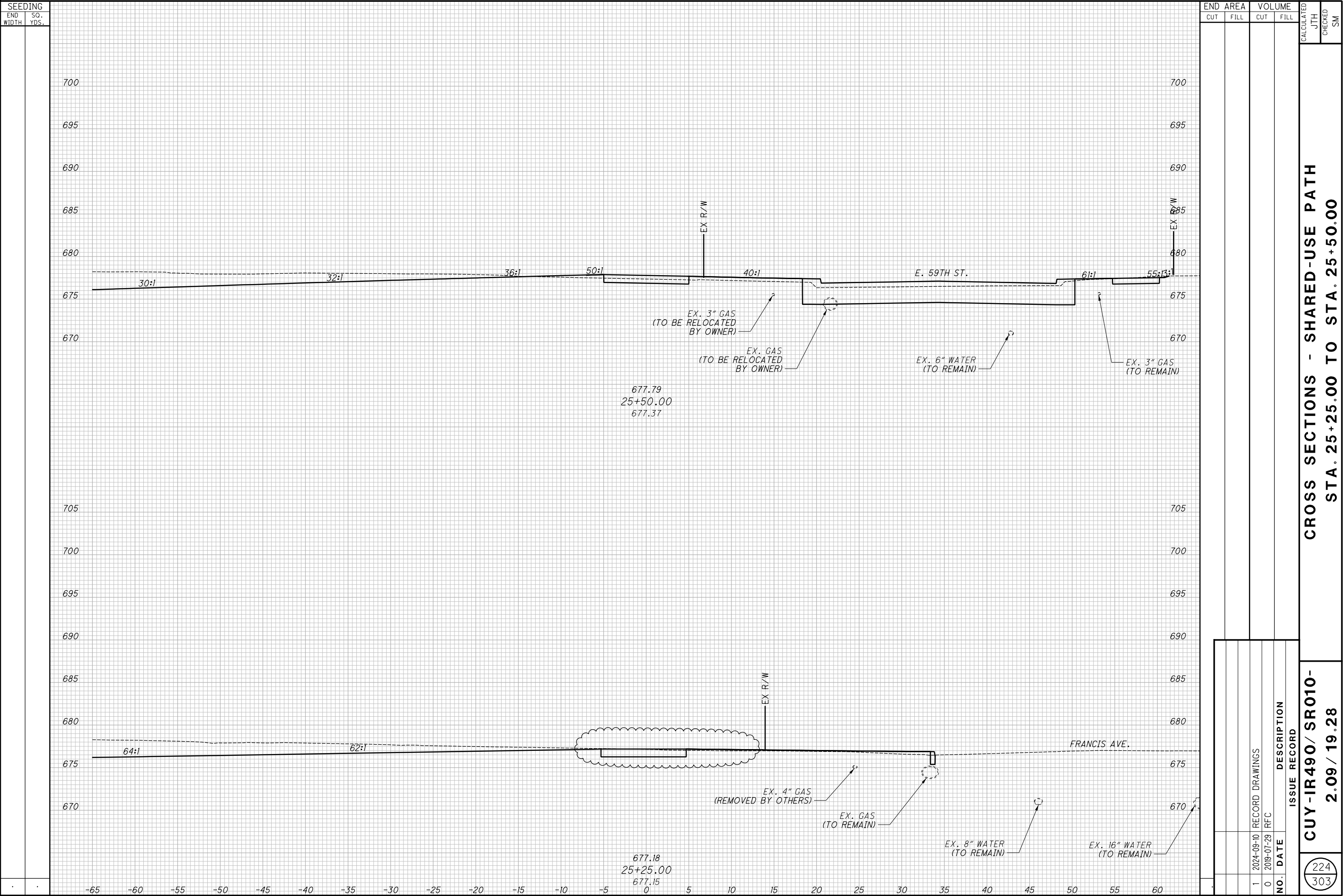
SEEDING	
END WIDTH	SO. YDS.

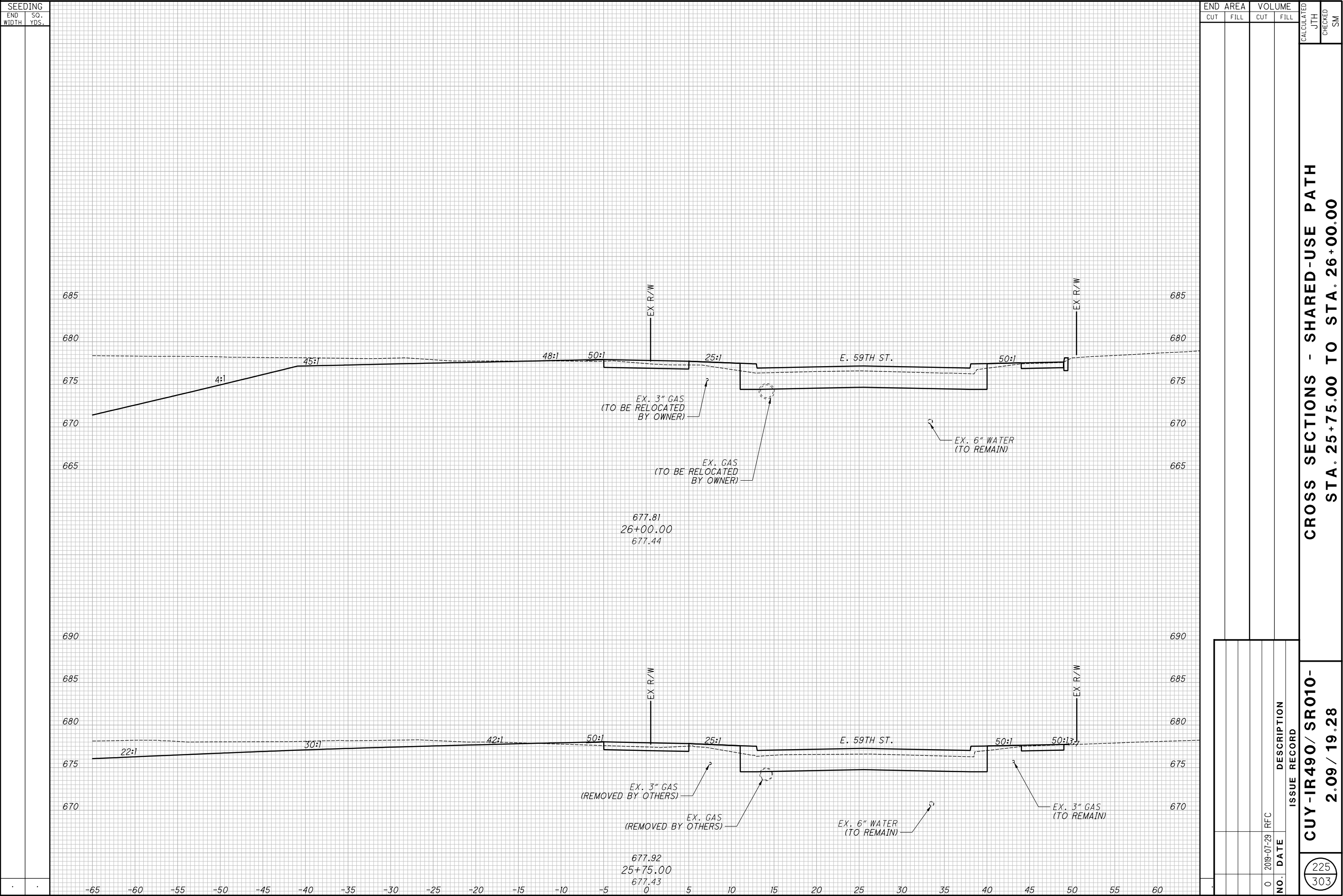


END AREA		VOLUME		CALCULATED JTH	CHECKED SM
CUT	FILL	CUT	FILL		
CROSS SECTIONS - SHARED-USE PATH					
STA. 23+75.00 TO STA. 24+00.00					
RECORD PLANS					
1		2024-09-10		RECORD DRAWINGS	
0		2019-07-29		RFC	
NO.		DATE		DESCRIPTION	
				ISSUE RECORD	
				CUY-IR490/ SR010-	
				2.09 / 19.28	
				RECORD PLANS	
				221	
				303	



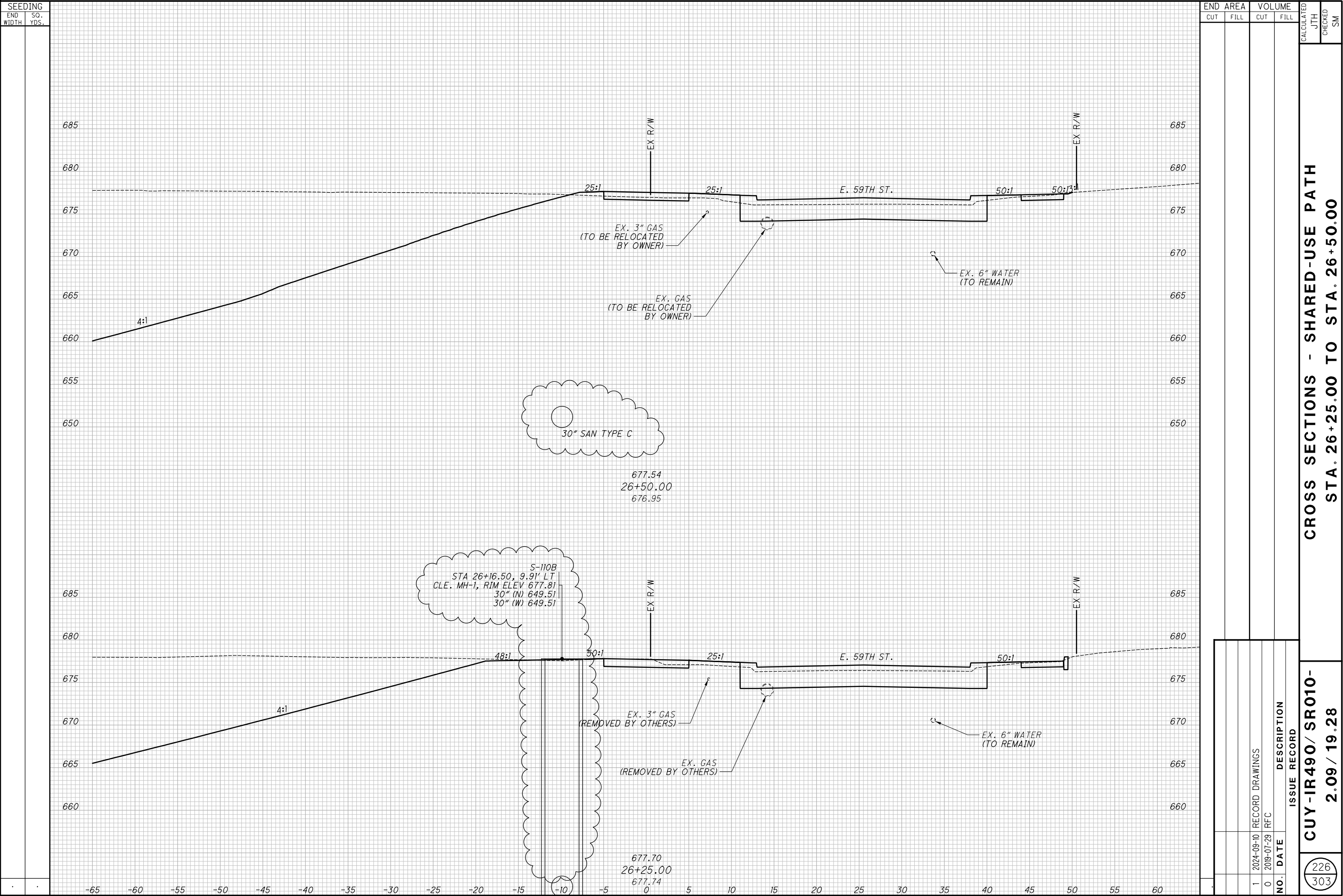






CROSS SECTIONS - SHARED-USE PATH
STA. 25+75.00 TO STA. 26+00.00

CUY-IR490/ SR010-
2.09 / 19.28



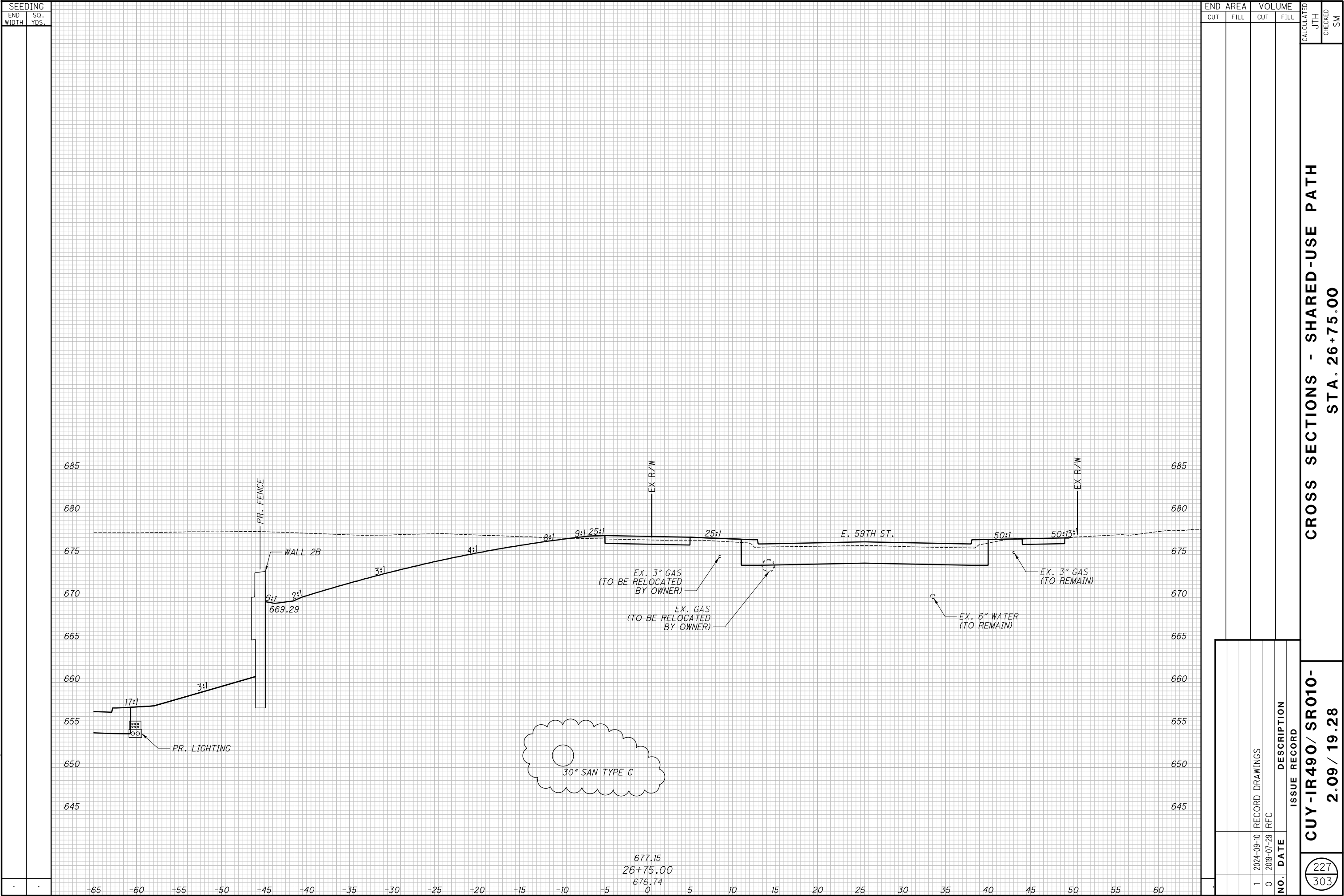
CROSS SECTIONS - SHARED-USE PATH
STA. 26+25.00 TO STA. 26+50.00

CUY-IR490/ SR010-
2.09 / 19.28

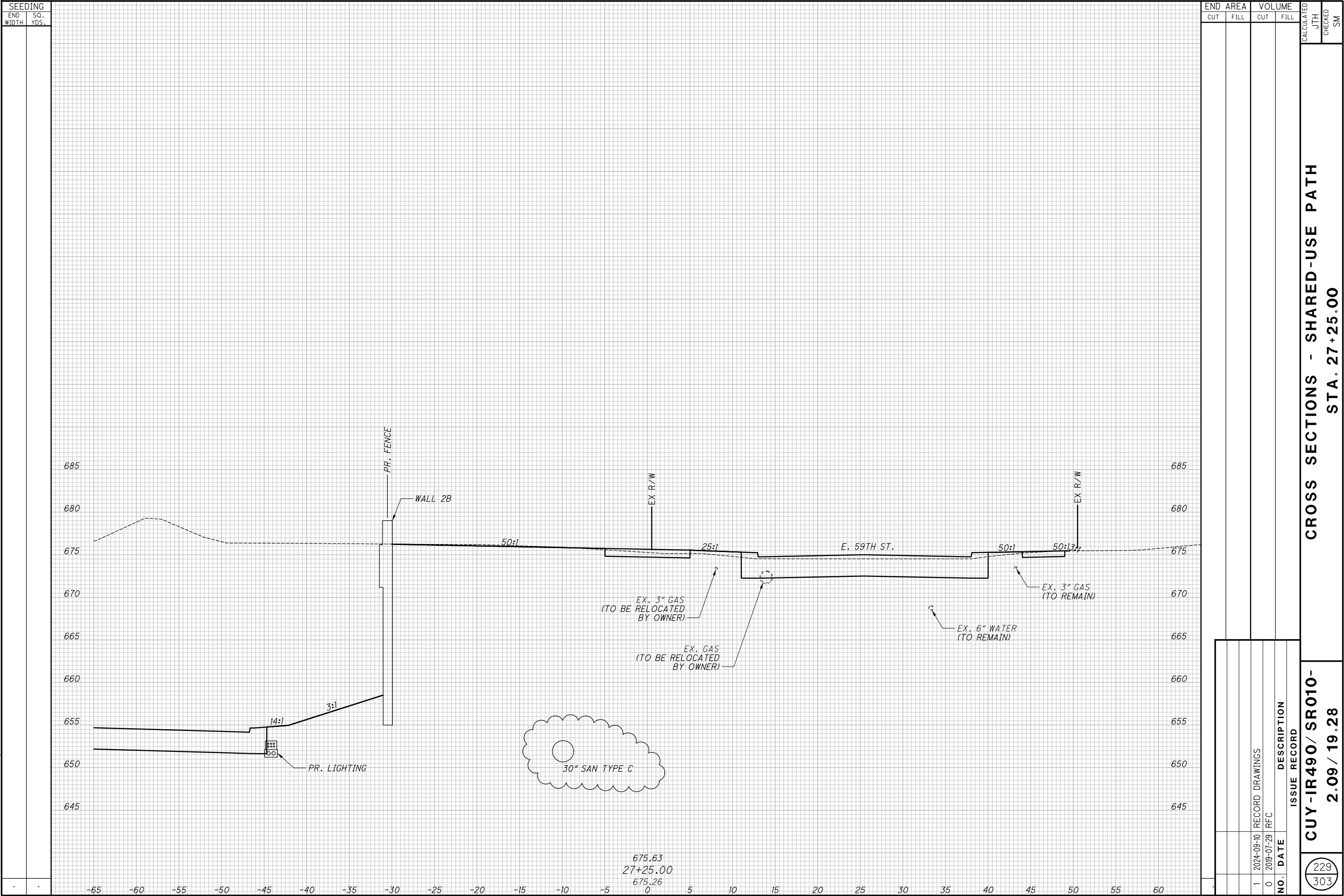
226
303

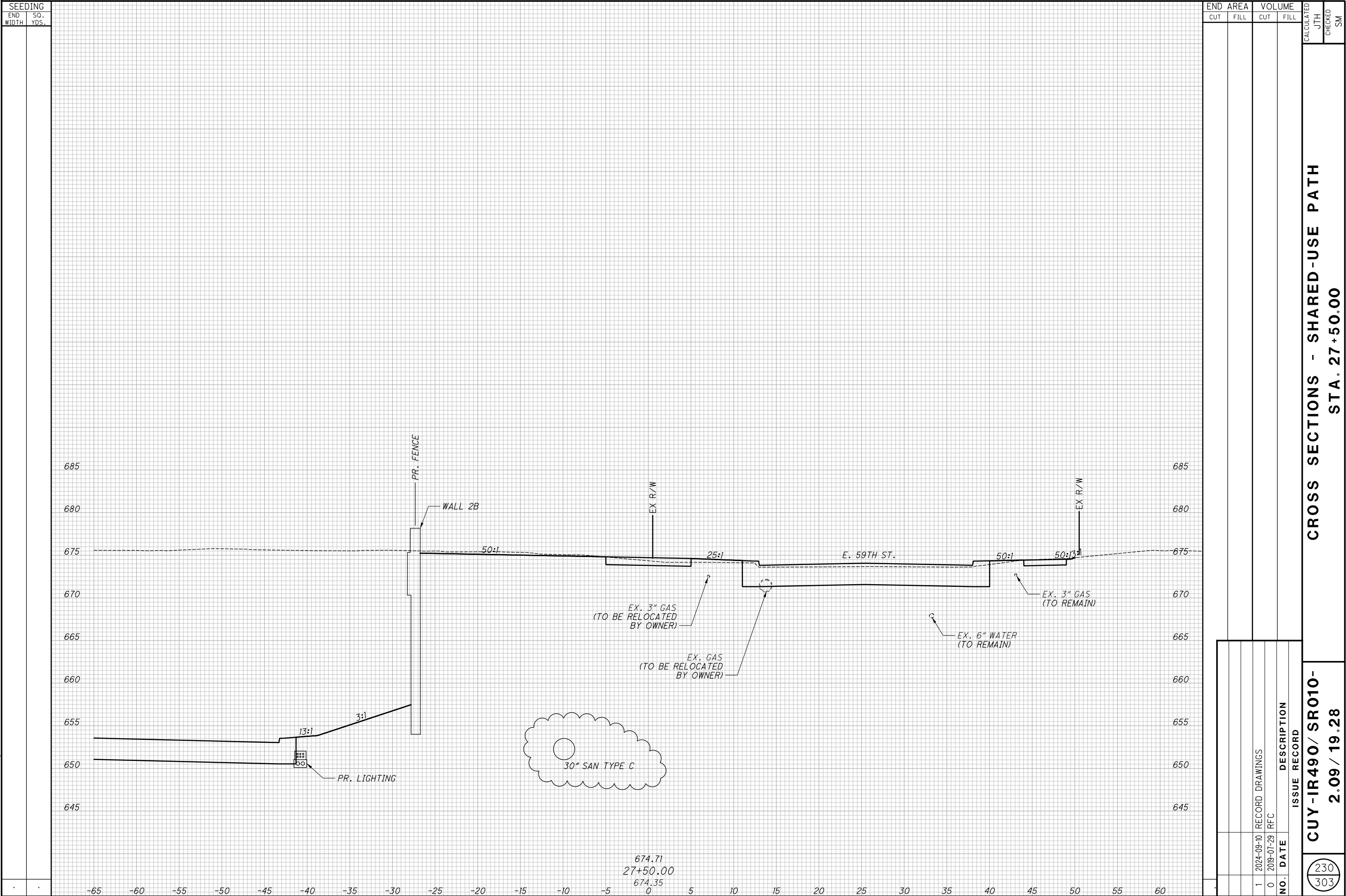
RECORD PLANS

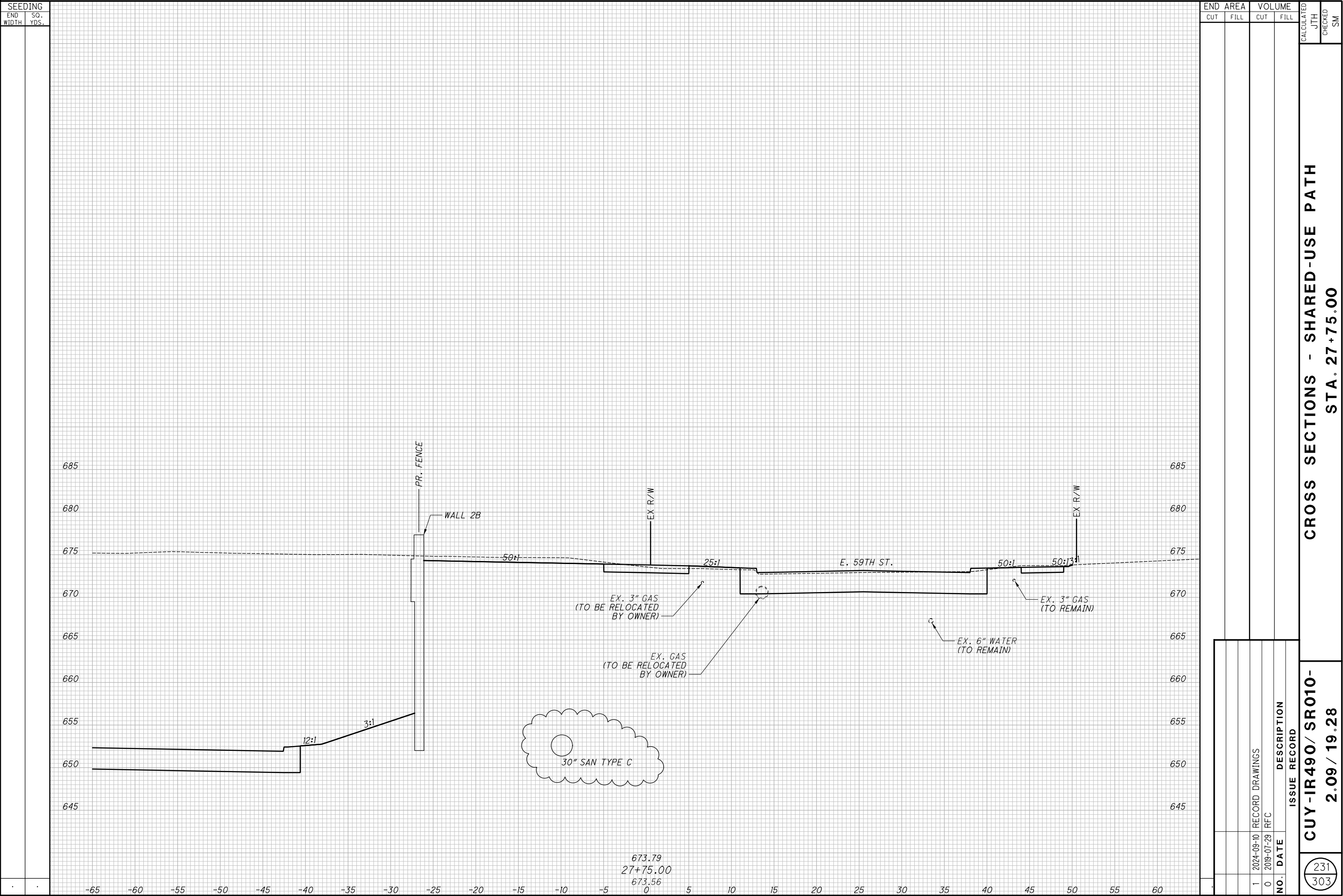
RECORD PLANS

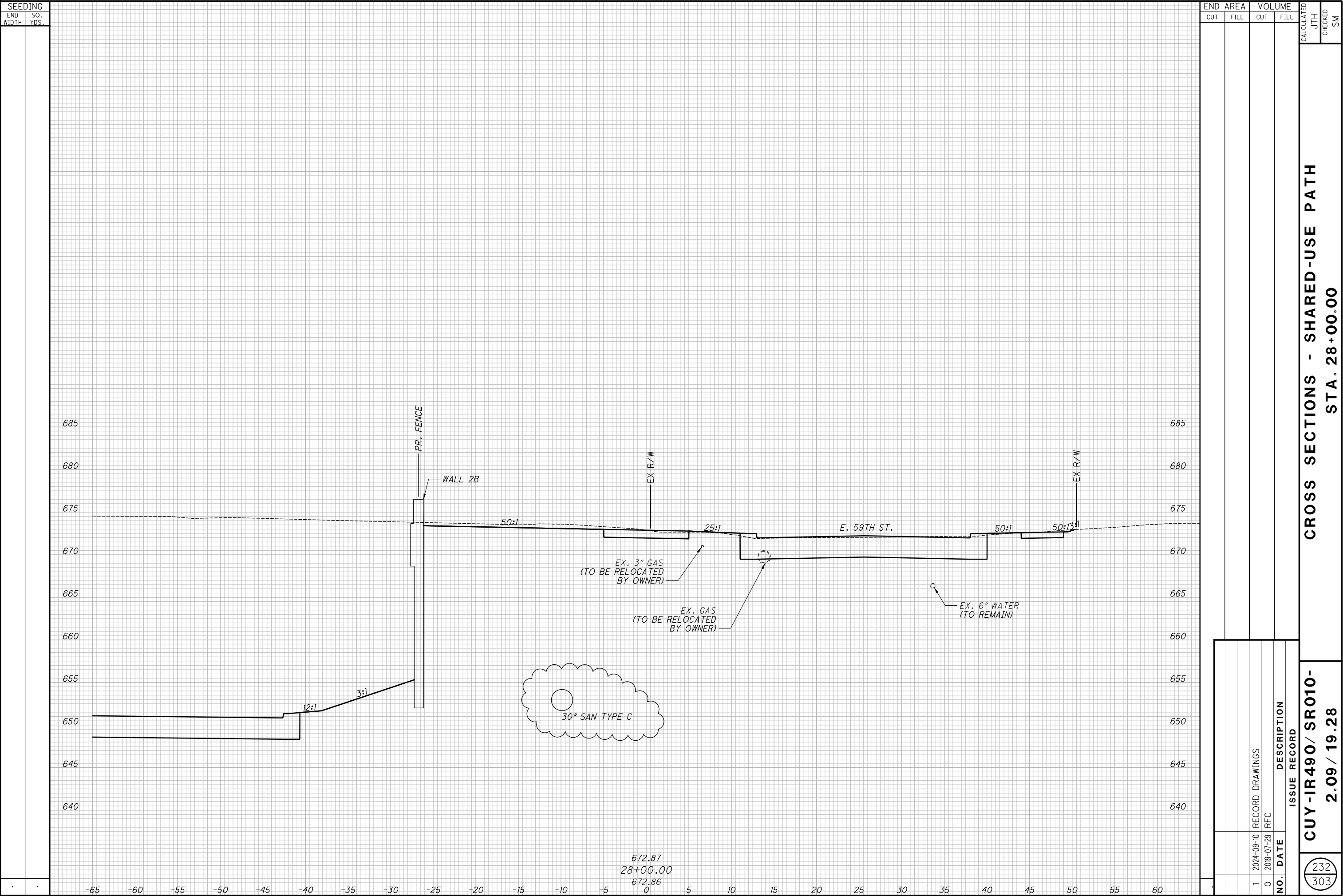


-IR490/ SR010- 2.09 / 19.28	CROSS SECTIONS - SHARED-USE PATH STA. 27+00.00	RECORD PLANS
RECORD PLANS		RECORD PLANS

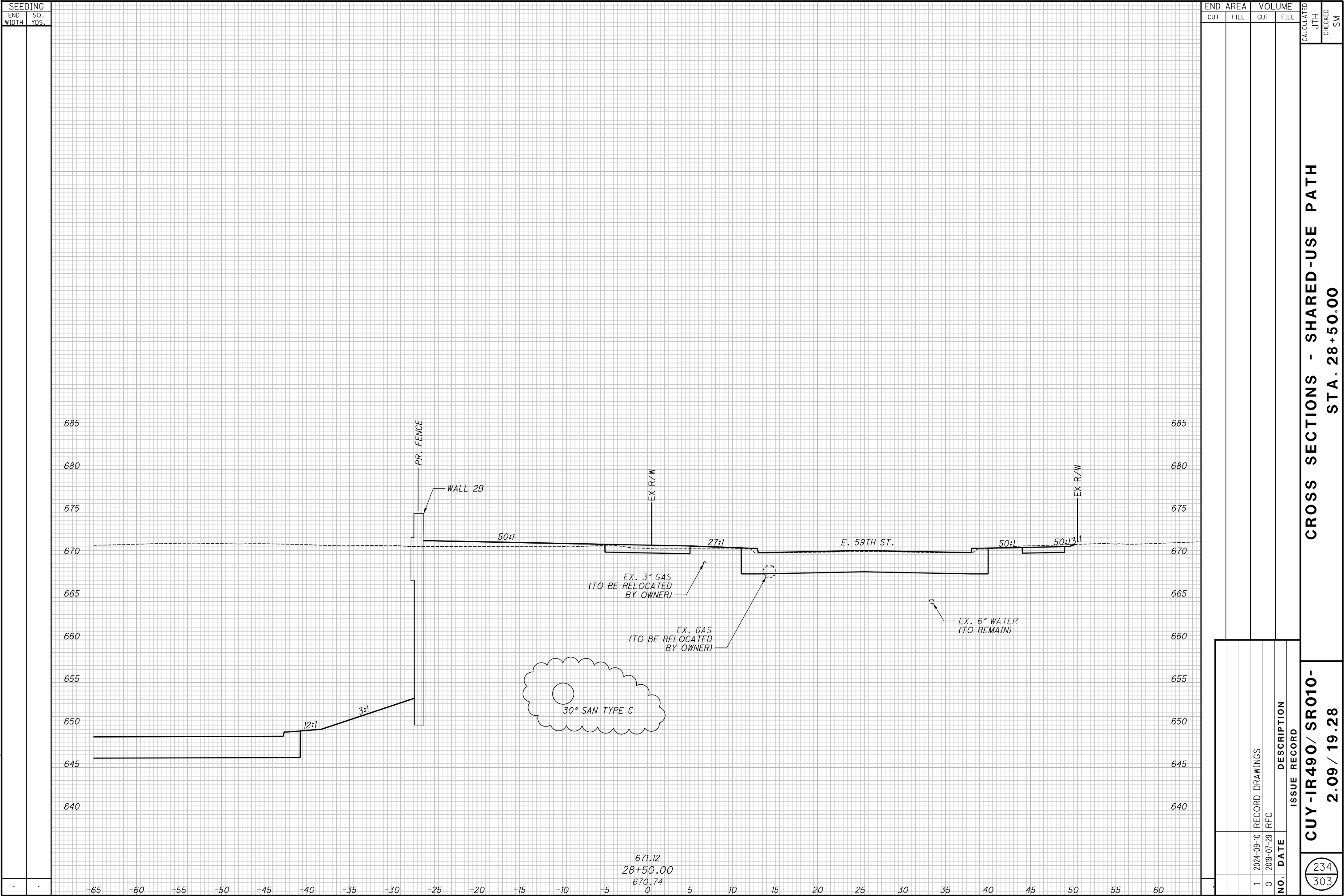


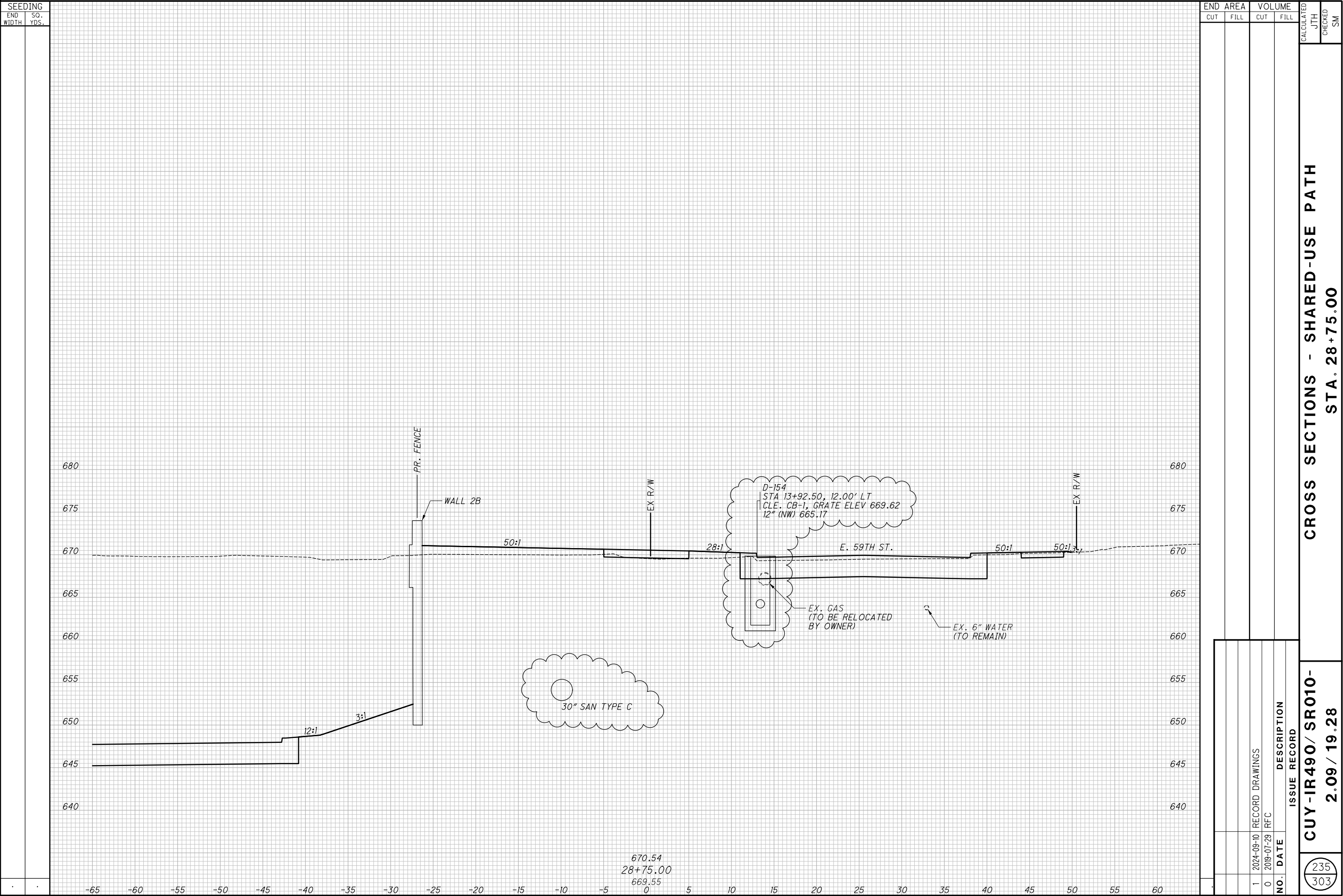


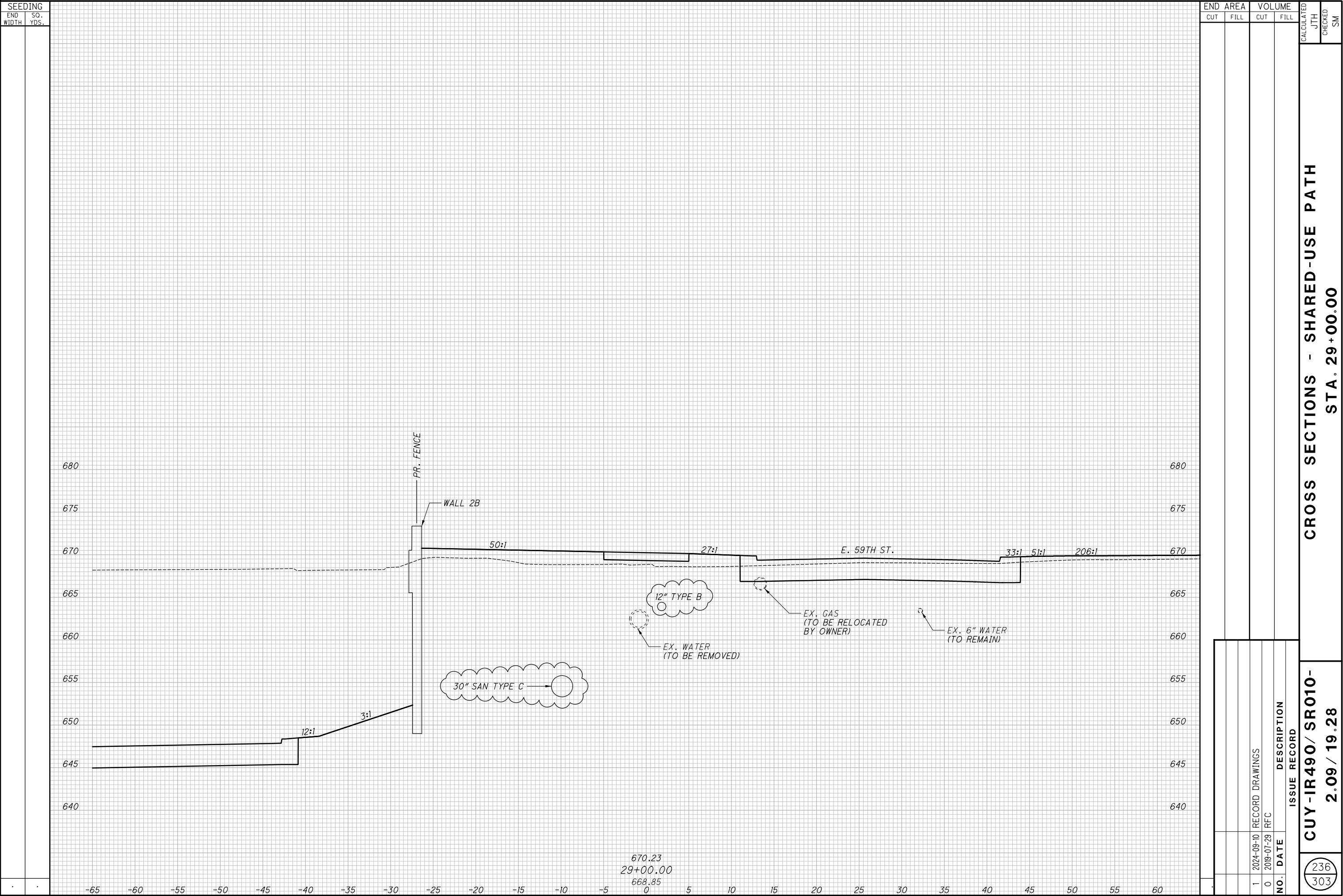




$$\frac{233}{303}$$







CROSS SECTIONS - SHARED-USE PATH

STA. 29+00.00

RECORD PLANS

RECORD PLANS

CUY-IR490/ SR010-

2.09 / 19.28

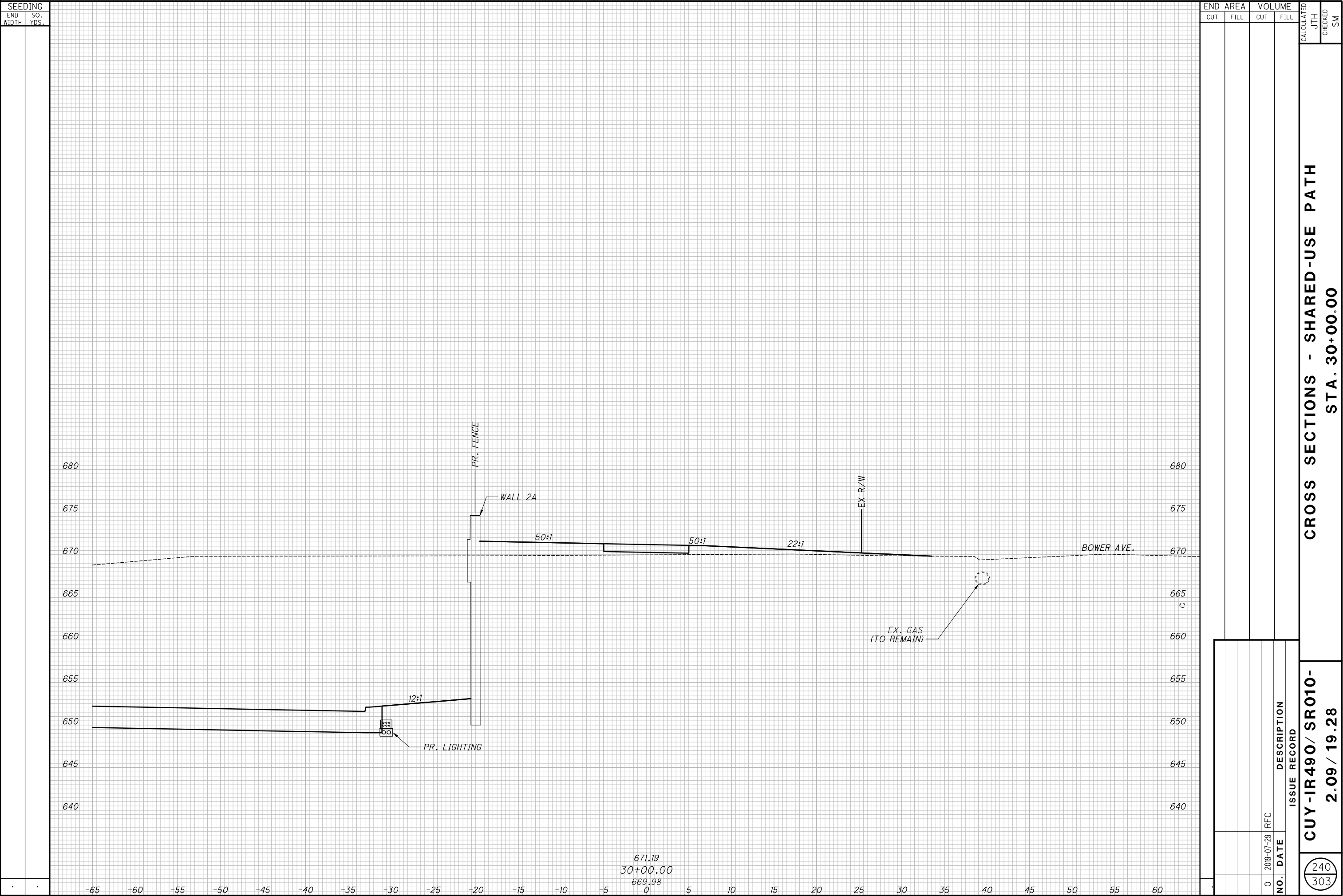
RECORD PLANS

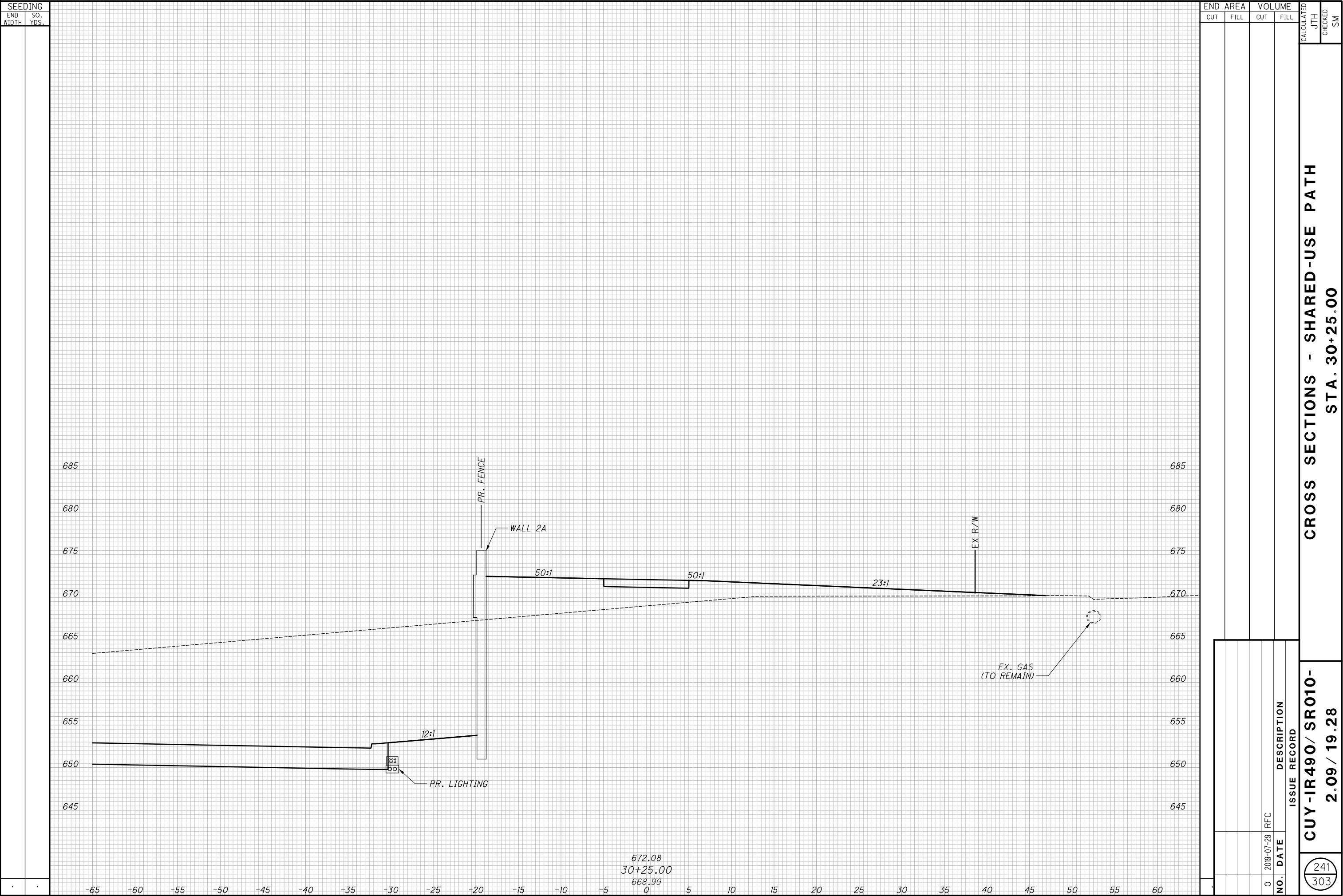
236
303

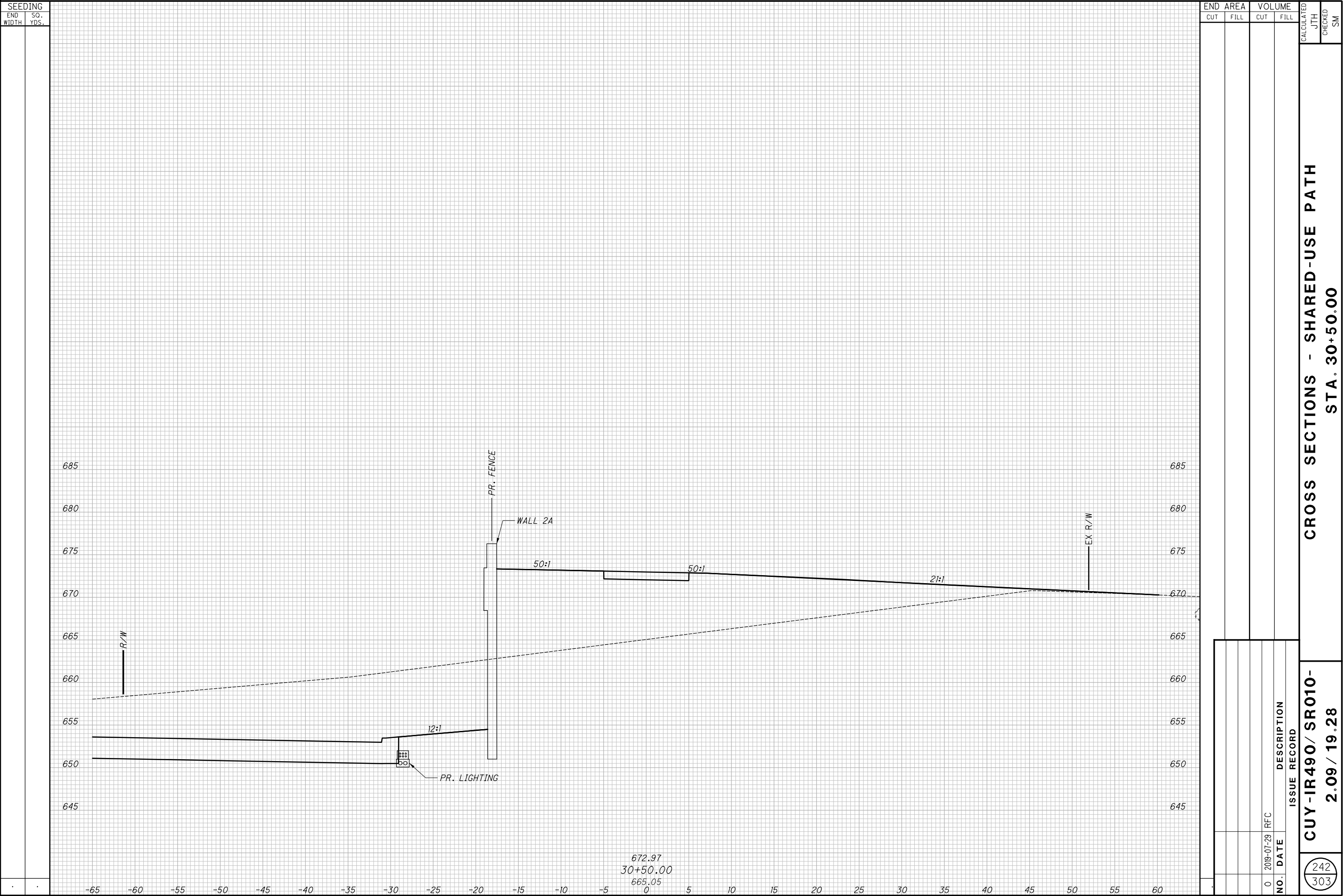
-IR490/ SR010- 2.09 / 19.28	CROSS SECTIONS - SHARED-USE PATH STA. 29+25.00	RECORD PLANS
RECORD PLANS		RECORD PLANS

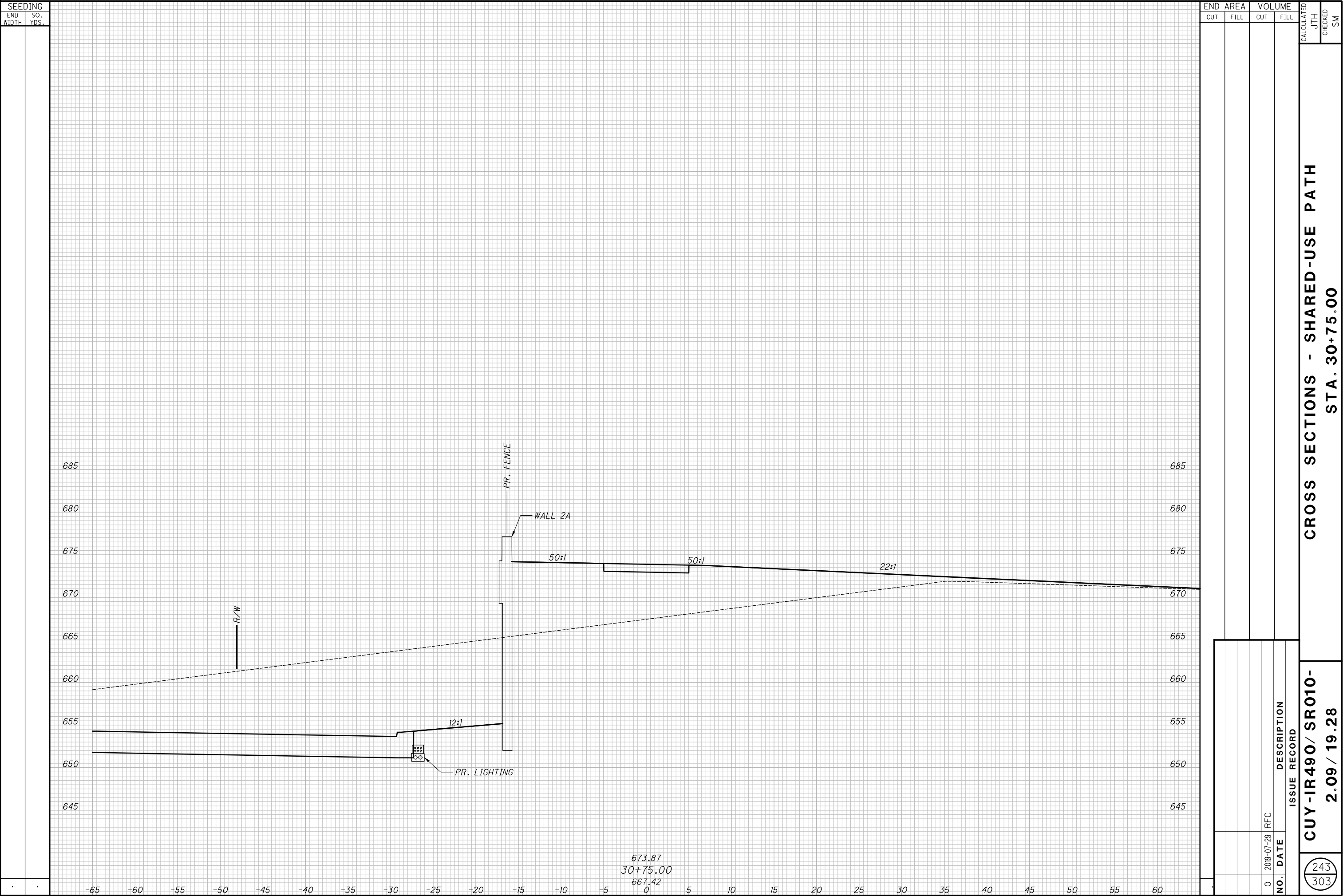
[illegible]

CROSS SECTIONS - SHARED-USE PATH
STA. 29+75.00

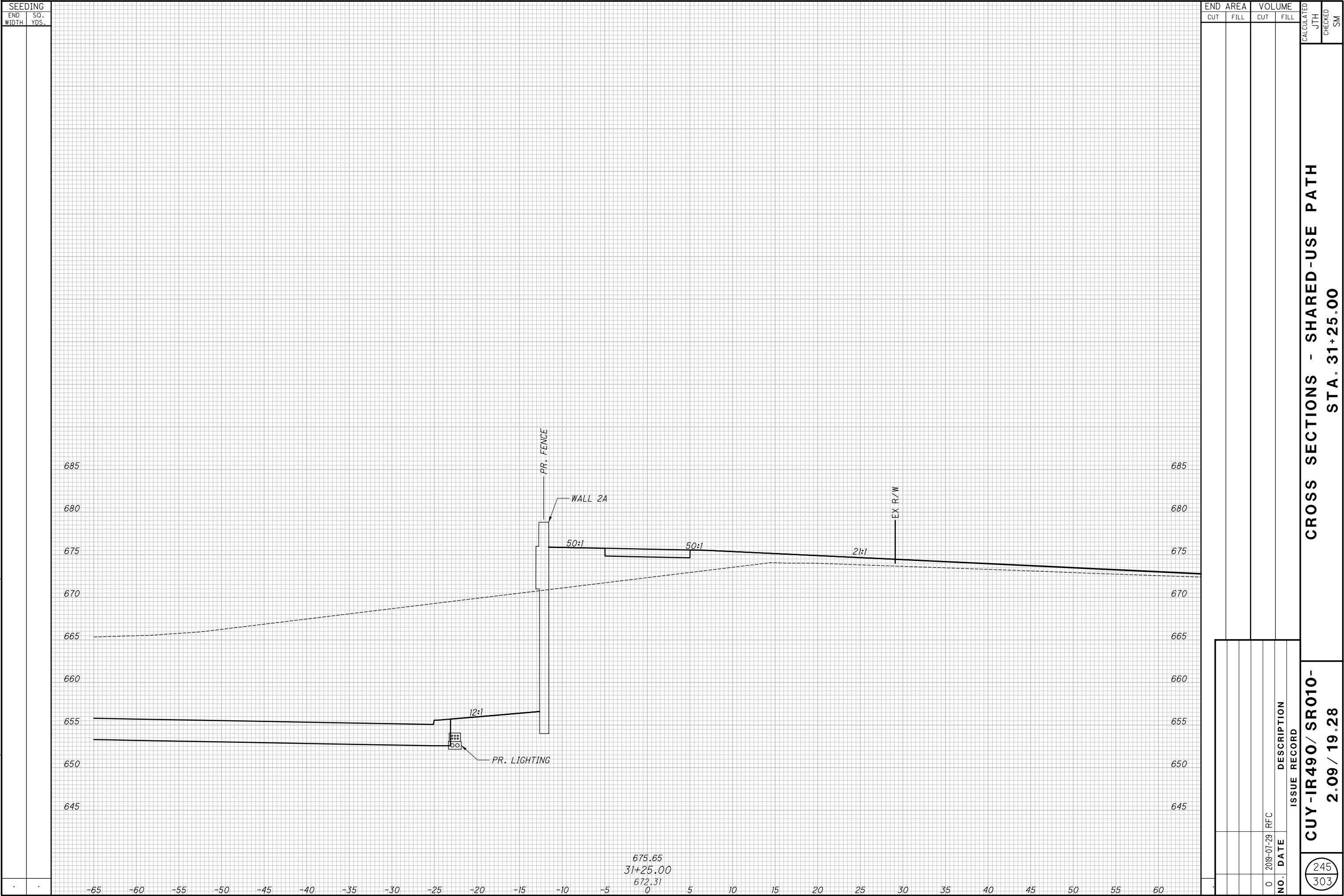






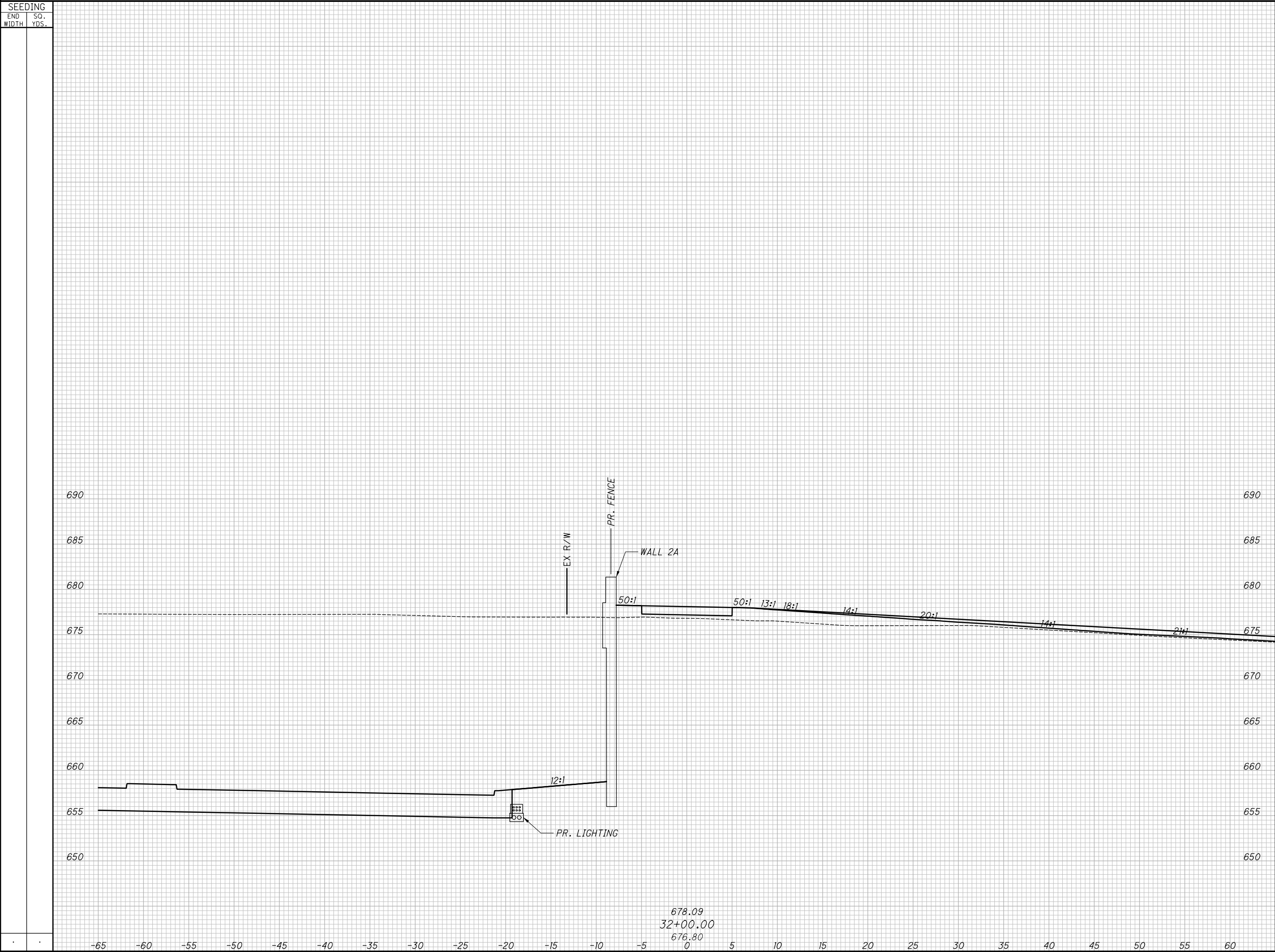


CROSS SECTIONS - SHARED-USE PATH
STA. 31+00.00



CROSS SECTIONS - SHARED-USE PATH
STA. 31+50.00

CROSS SECTIONS - SHARED-USE PATH
STA. 31+75.00



CROSS SECTIONS - SHARED-USE PATH

STA. 32+00.00

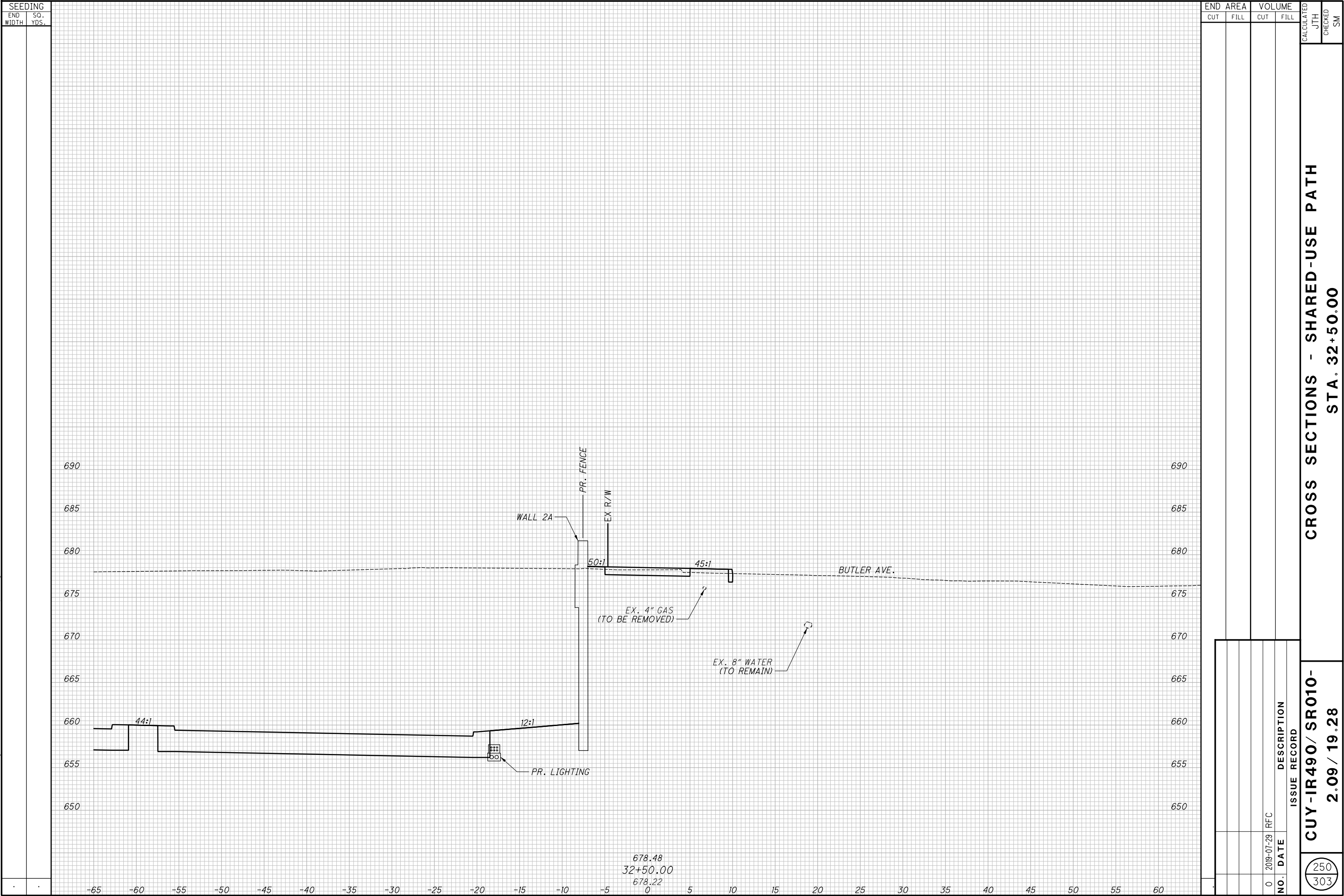
CUY-IR490/ SR010-

2.09 / 19.28

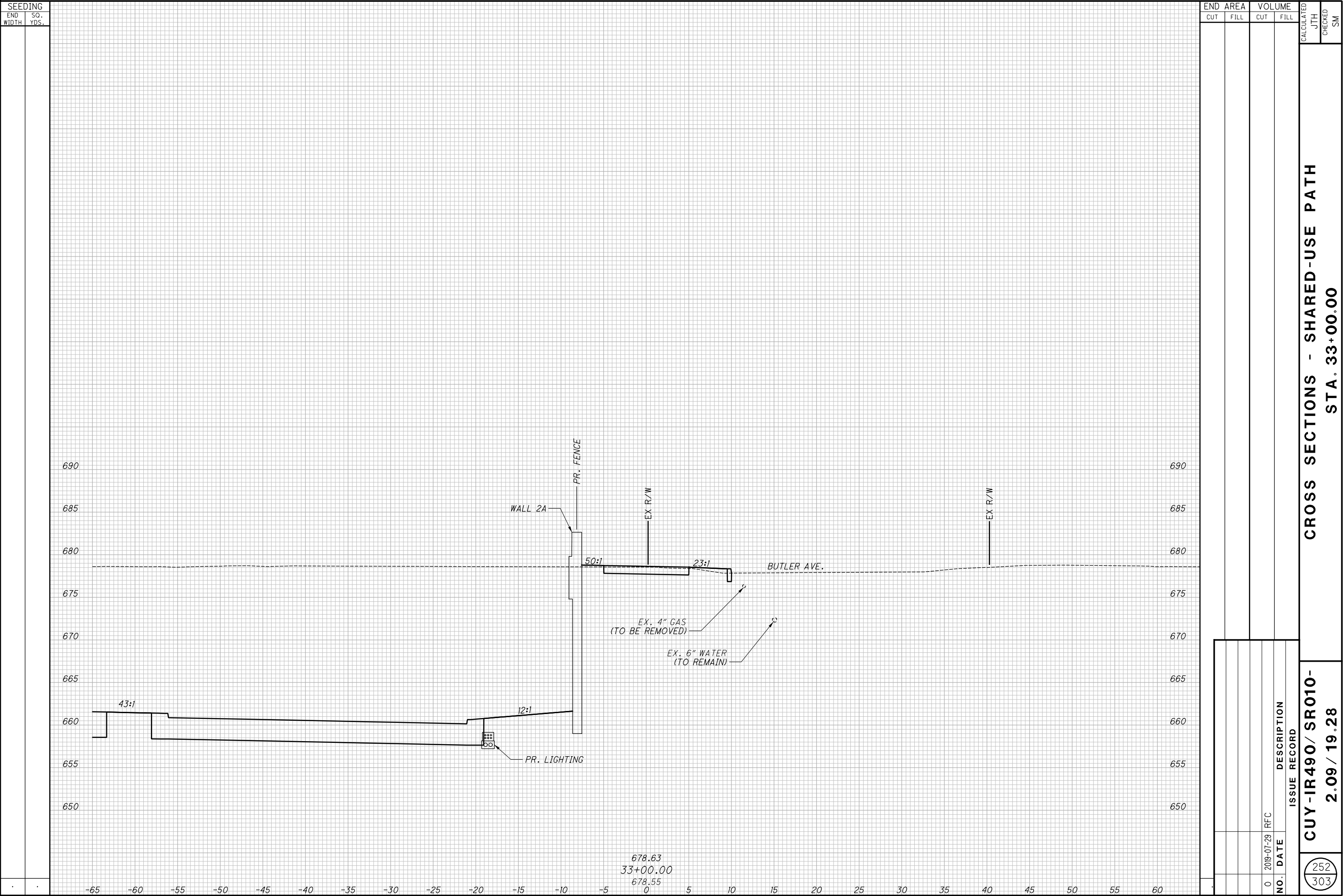
RECORD PLANS

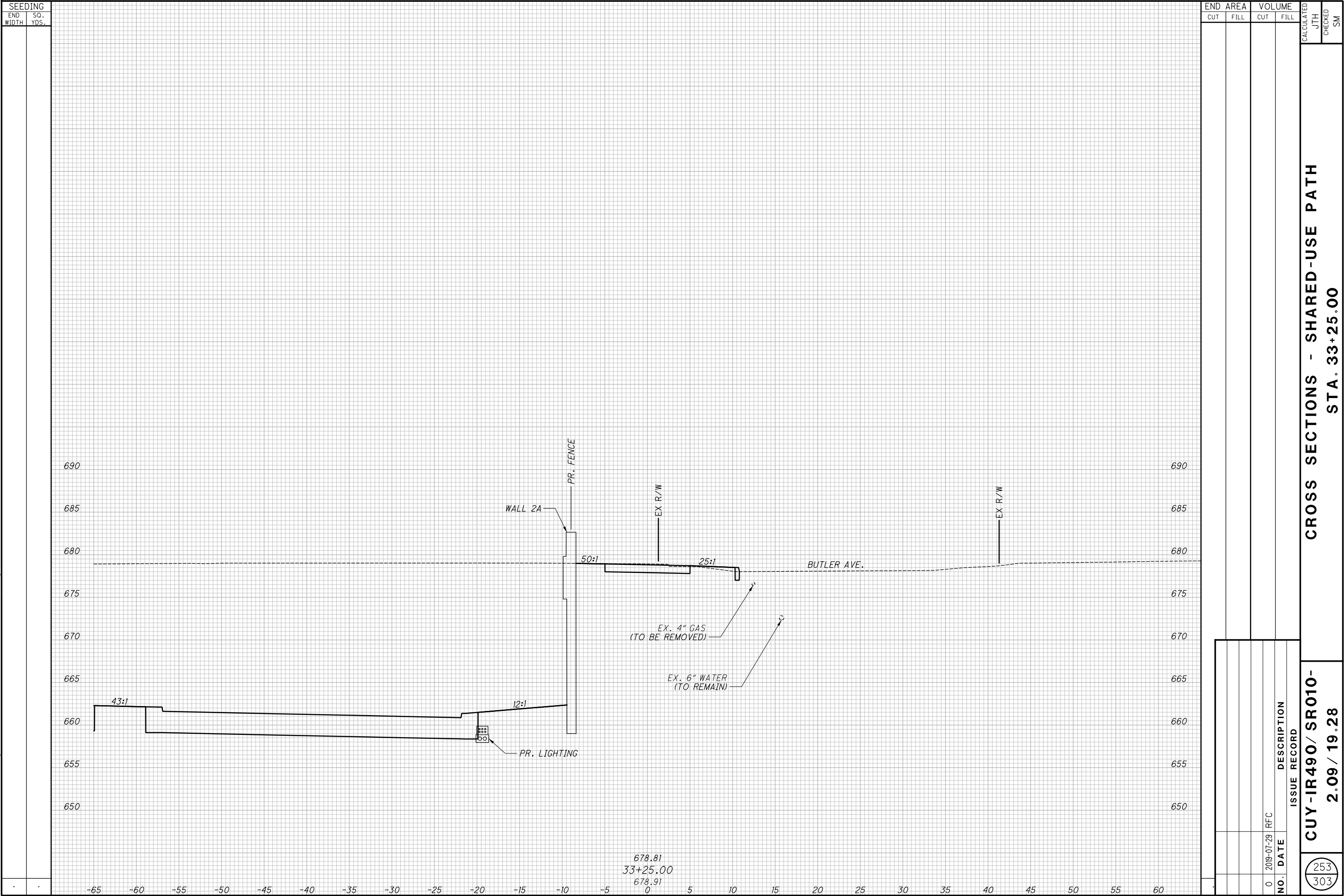
RECORD PLANS

-IR490/ SR010- 2.09 / 19.28	CROSS SECTIONS - SHARED-USE PATH STA. 32+25.00	RECORD PLANS
RECORD PLANS		RECORD PLANS

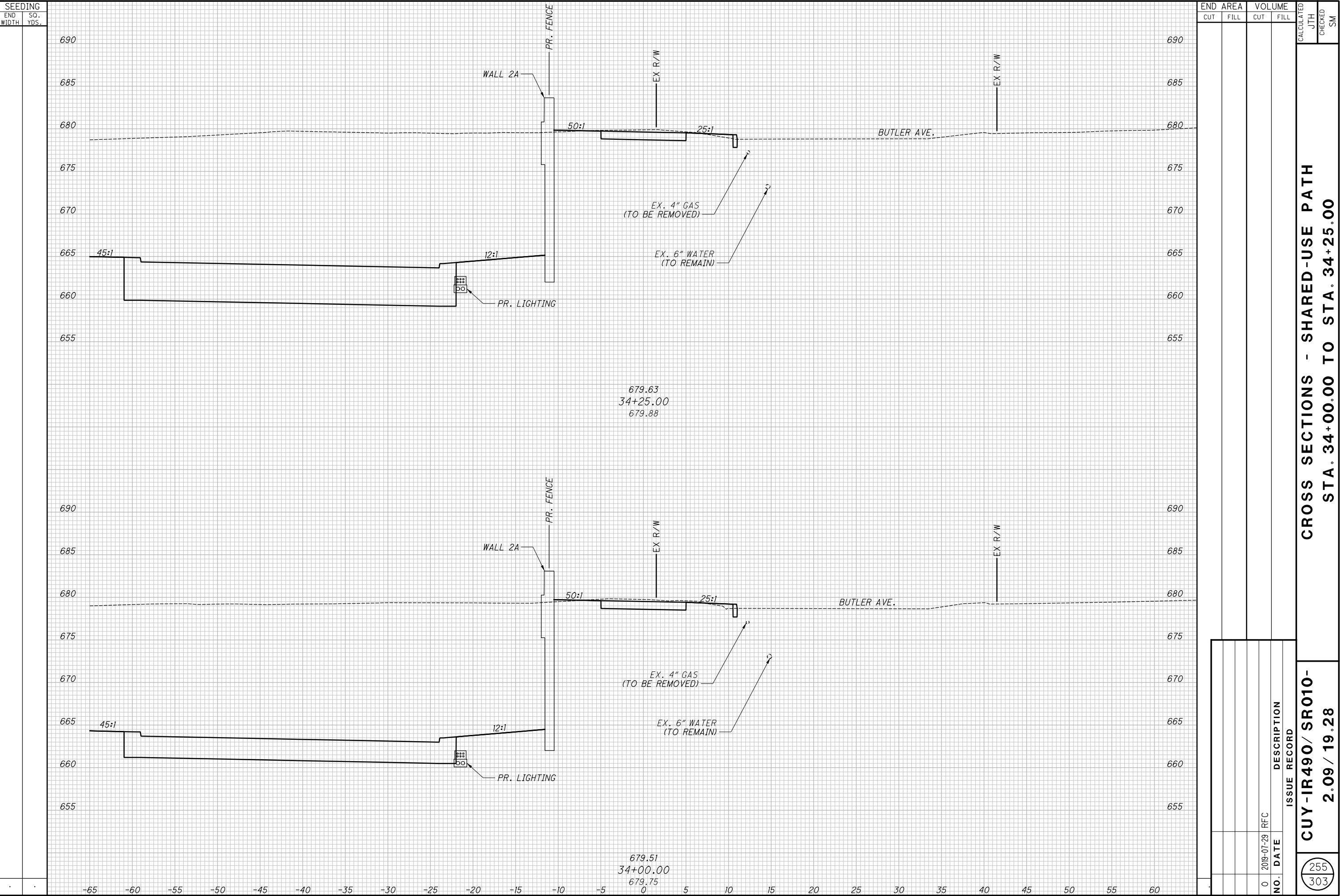


CROSS SECTIONS - SHARED-USE PATH
STA. 32+75.00



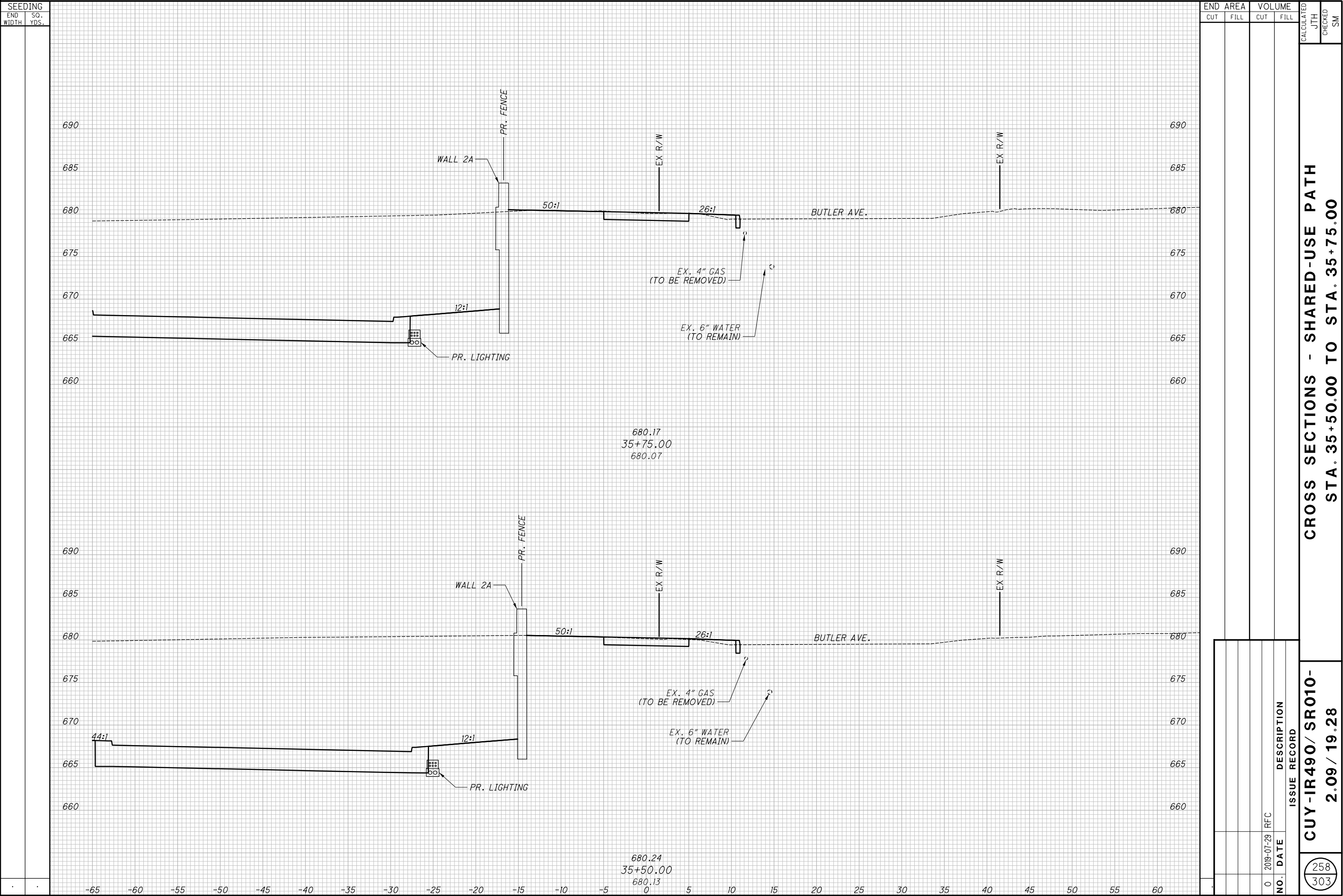


CROSS SECTIONS - SHARED-USE PATH
STA. 33+50.00 TO STA. 33+75.00



[illegible]

257
303



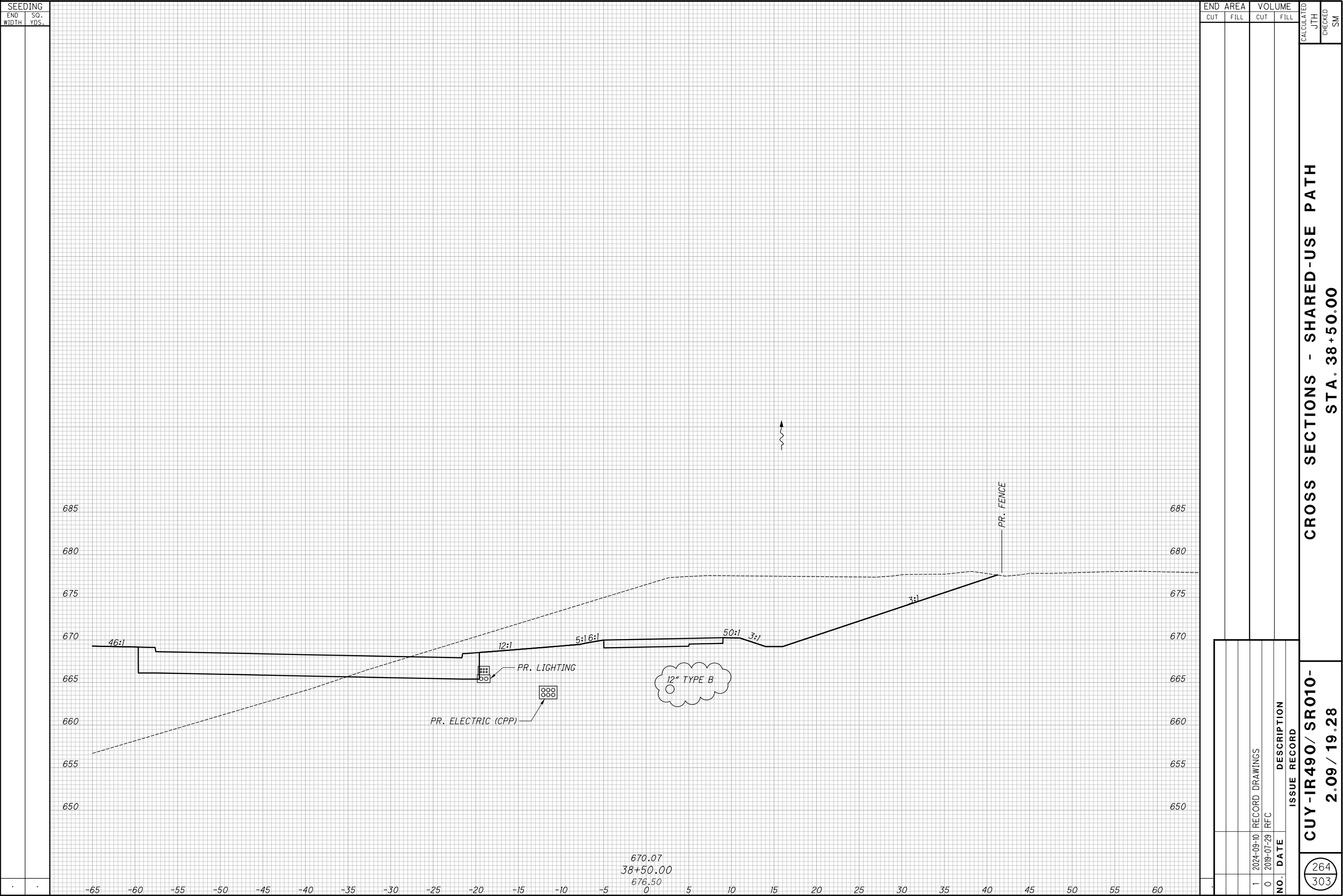
259
303

260
303

261
303

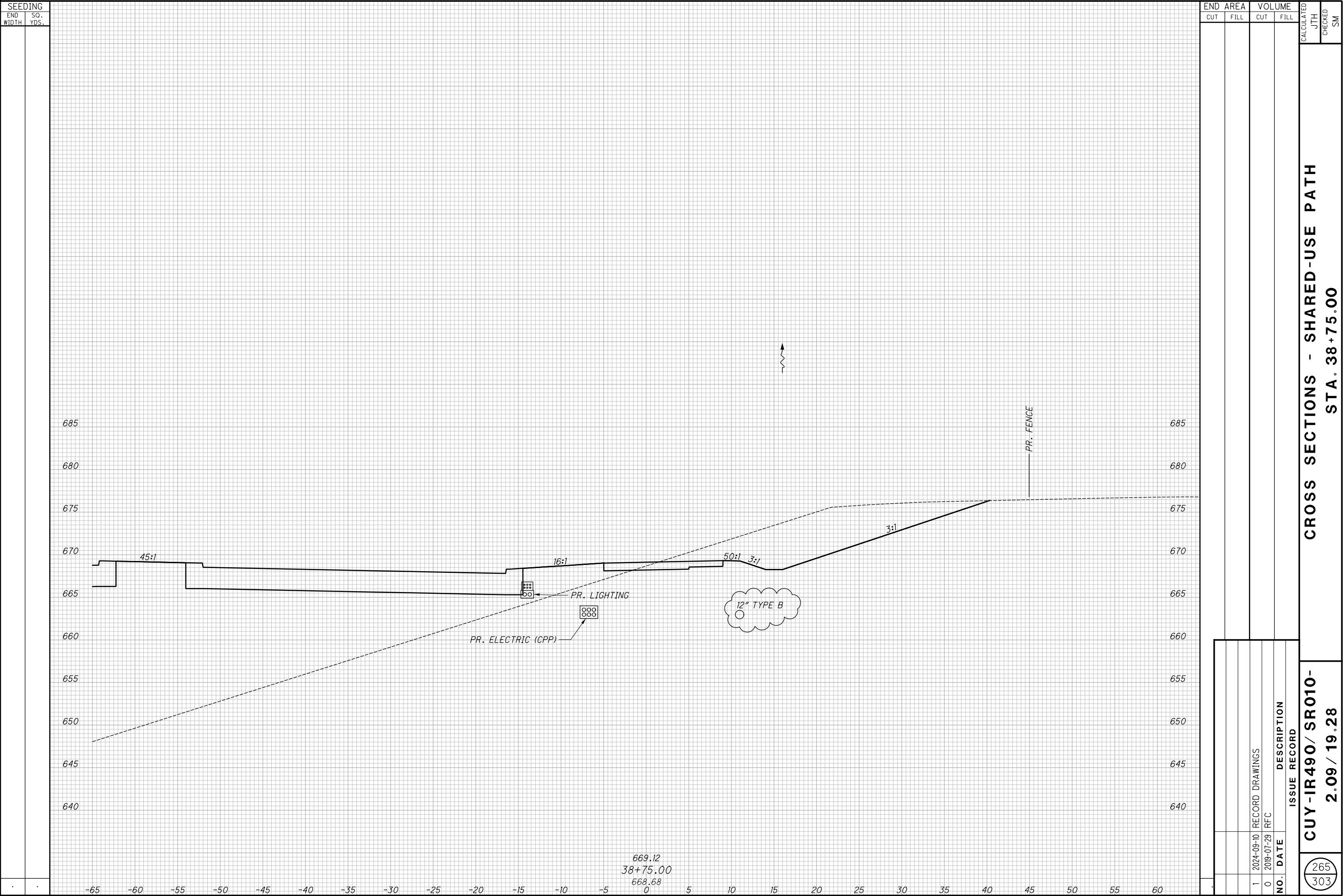
$$\frac{262}{303}$$

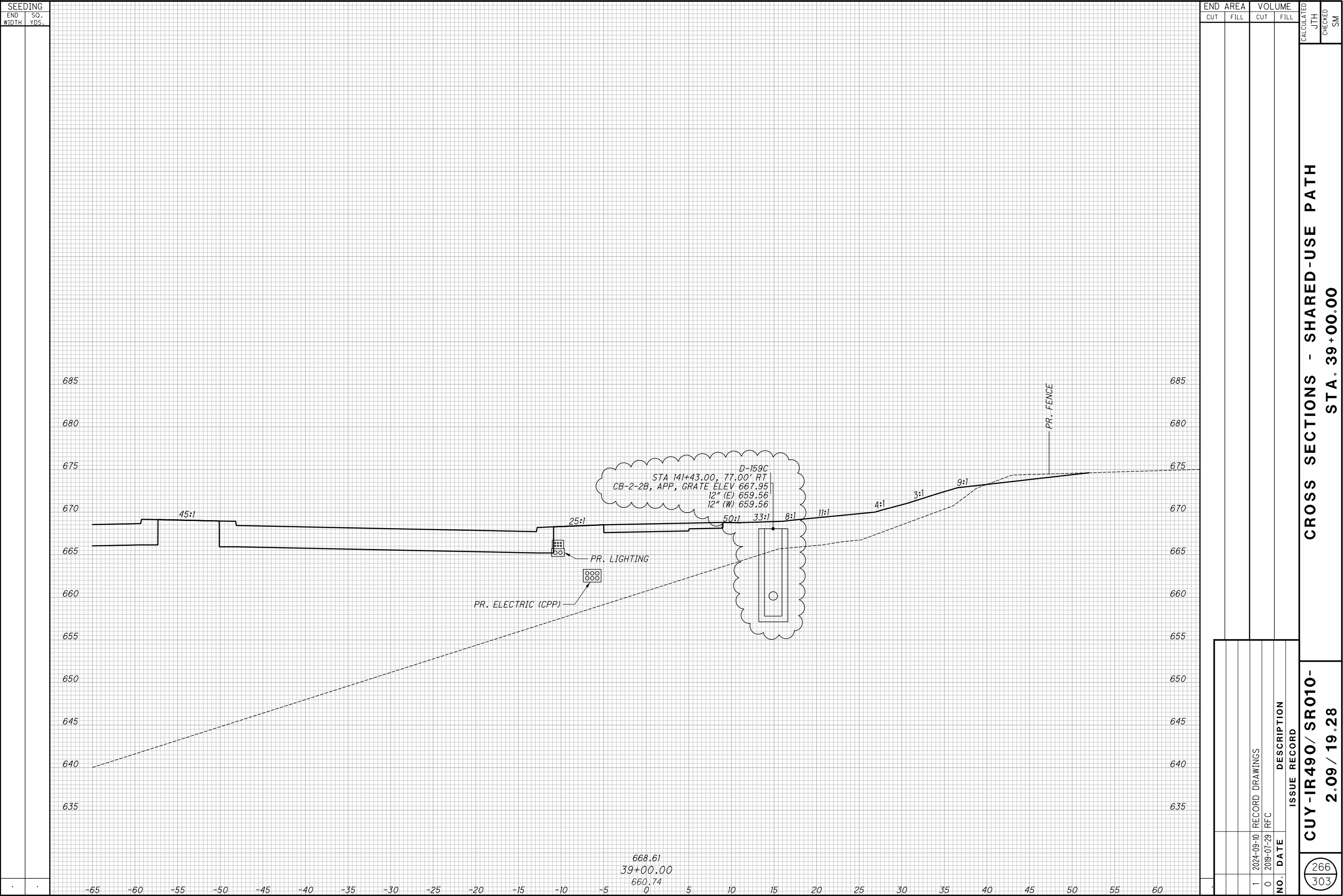
$$\frac{263}{303}$$



CROSS SECTIONS - SHARED-USE PATH
STA. 38 + 50.00

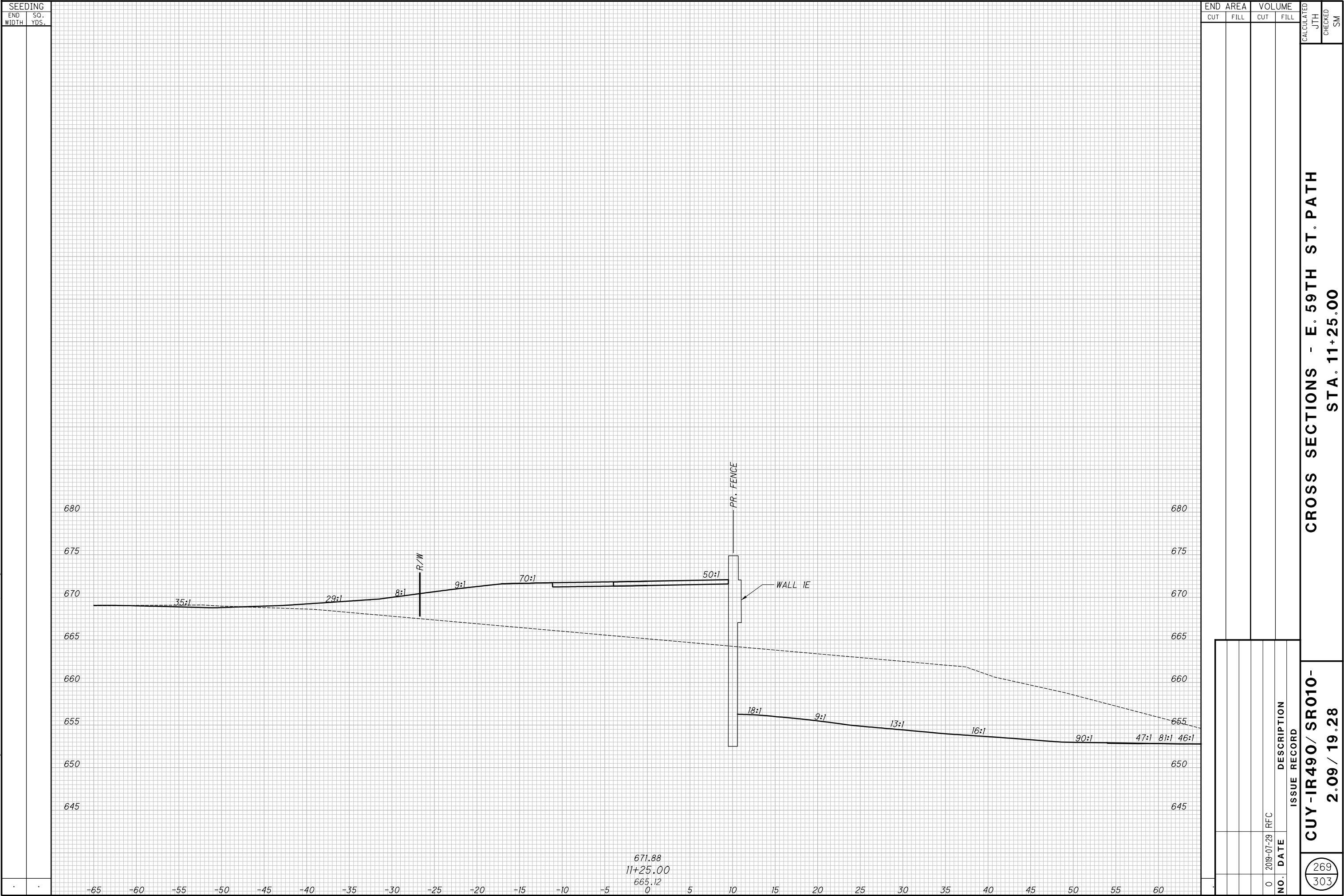
CUY-IR490/ SR010-
2.09 / 19.28

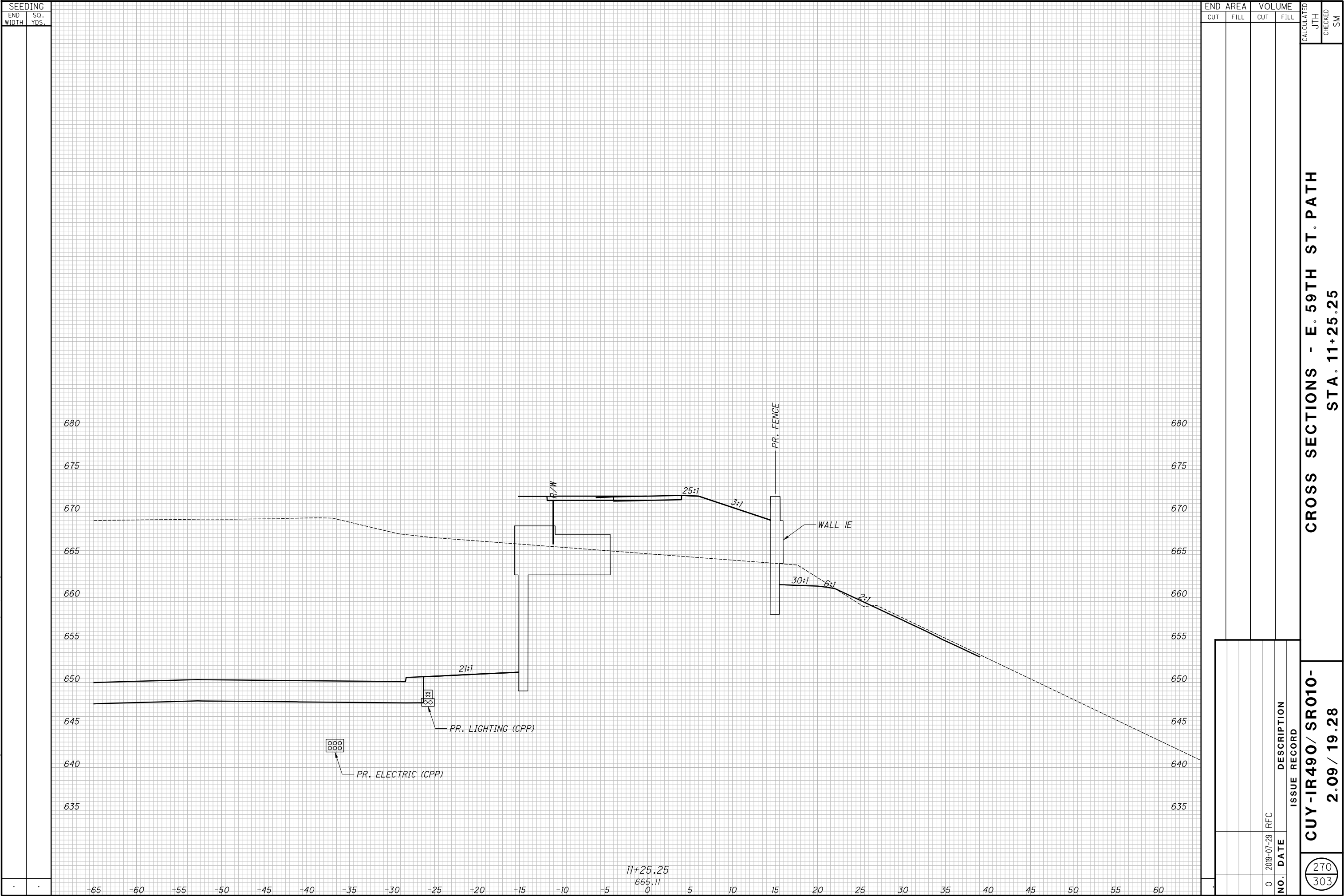




CROSS SECTIONS - SHARED-USE PATH
STA. 39+25.00

CROSS SECTIONS - SHARED-USE PATH
STA. 39+50.00





CROSS SECTIONS - E. 59TH ST. PATH
STA. 11+25.25

CUY-IR490/ SR010-
2.09 / 19.28

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303

RECORD PLANS

RECORD PLANS

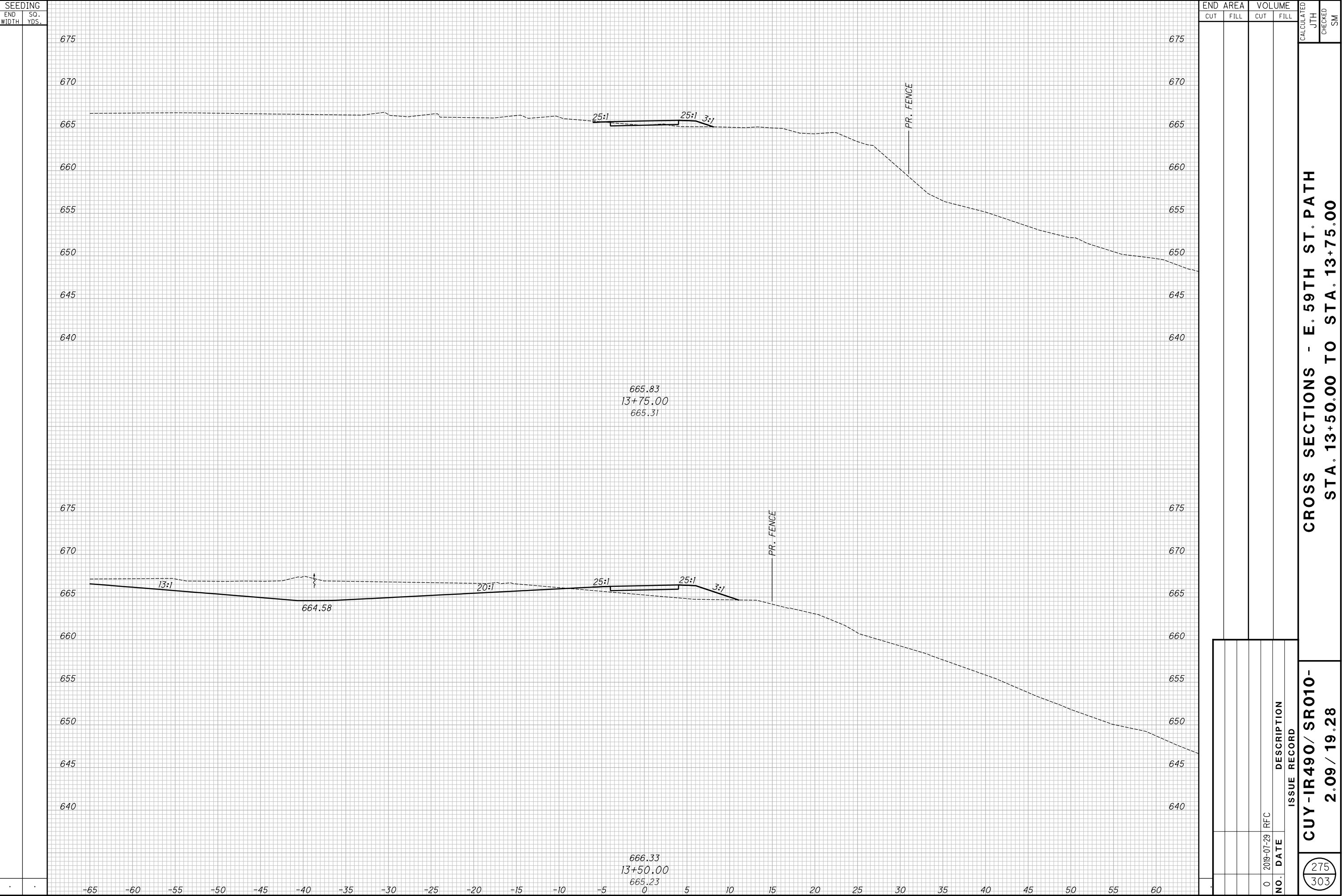
RECORD PLANS

[illegible]

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303

**CROSS SECTIONS - E. 59TH ST. PATH
STA. 12+50.00 TO STA. 12+75.00**

**CROSS SECTIONS - E. 59TH ST. PATH
STA. 13+00.00 TO STA. 13+25.00**



STATION	PROFILE GRADE	OFFSET LEFT EDGE	EDGE ELEVATION LEFT EDGE	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	OFFSET LEFT EDGE	EDGE ELEVATION LEFT EDGE	OFFSET RIGHT EDGE	EDGE ELEVATION RIGHT EDGE	TRANSITION RATE	ELEVATION CORRECTION LEFT SIDE	ELEVATION CORRECTION RIGHT SIDE	CROSS SLOPE	WIDTH	OFFSET RIGHT EDGE	EDGE ELEVATION RIGHT EDGE	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	OFFSET RIGHT EDGE	EDGE ELEVATION RIGHT EDGE	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH
CENTERLINE		EB LEFT SHOULDER						EB LEFT LANE						EB RIGHT LANE						EB RIGHT SHOULDER								
109+00.00	642.34	1.16	642.27	313:1	-0.07	4.66%	6.01	7.16	642.55	19.17	642.76	1664:1	0.21	0.42	1.75%	12.00	31.92	642.99	2004:1	0.65	1.80%	12.76	43.92	642.82	714:1	0.48	-1.42%	12.00
109+05.00	642.47	1.16	642.41		-0.07	4.41%	6.11	7.26	642.68	19.27	642.90		0.20	0.42	1.81%	12.00	31.92	643.12		0.65	1.81%	12.66	43.92	642.95		0.48	-1.45%	12.00
109+10.00	642.61	1.16	642.55		-0.06	4.14%	6.21	7.36	642.81	19.37	643.03		0.20	0.42	1.83%	12.00	31.92	643.26		0.65	1.83%	12.56	43.92	643.08		0.47	-1.51%	12.00
109+15.00	642.74	1.16	642.69		-0.05	3.88%	6.31	7.46	642.94	19.47	643.16		0.20	0.42	1.85%	12.00	31.92	643.39		0.65	1.85%	12.46	43.92	643.20		0.46	-1.57%	12.00
109+20.00	642.88	1.16	642.84		-0.04	3.61%	6.41	7.56	643.07	19.57	643.29		0.19	0.42	1.87%	12.00	31.92	643.52		0.65	1.87%	12.36	43.92	643.33		0.45	-1.63%	12.00
109+25.00	643.01	1.16	642.98		-0.03	3.34%	6.51	7.66	643.20	19.67	643.43		0.19	0.42	1.90%	12.00	31.92	643.66		0.65	1.90%	12.26	43.92	643.45		0.44	-1.70%	12.00
109+30.00	643.14	1.16	643.12		-0.02	3.07%	6.61	7.76	643.33	19.77	643.56		0.18	0.41	1.92%	12.00	31.92	643.79		0.65	1.92%	12.16	43.92	643.58		0.44	-1.76%	12.00
109+35.00	643.28	1.26	643.27		-0.01	2.80%	6.61	7.86	643.46	19.87	643.69		0.18	0.41	1.94%	12.00	31.92	643.92		0.64	1.94%	12.06	43.92	643.70		0.43	-1.82%	12.00
109+40.00	643.41	1.56	643.42		0.01	2.54%	6.41	7.96	643.59	19.97	643.82		0.17	0.41	1.96%	12.00	31.97	644.06		0.64	1.96%	12.00	43.97	643.83		0.42	-1.88%	12.00
109+45.00	643.55	1.86	643.57		0.03	2.27%	6.21	8.06	643.71	20.07	643.95		0.17	0.41	1.98%	12.00	32.07	644.19		0.64	1.98%	12.00	44.07	643.96		0.41	-1.94%	12.00
109+50.00	643.68	2.16	643.72	0.04	2.00%	6.01	8.16	643.84	20.17	644.08	0.16	0.40	2.00%	12.00	32.17	644.32	0.64	2.00%	12.00	44.17	644.08	0.40	-2.00%	12.00				
109+55.00	643.81	2.46	643.86	0.05	2.00%	5.81	8.26	643.98	20.27	644.22	0.17	0.41	2.00%	12.00	32.27	644.46	0.65	2.00%	12.00	44.27	644.22	0.41	-2.00%	12.00				
109+60.00	643.95	2.76	644.00	0.06	2.00%	5.61	8.36	644.12	20.37	644.36	0.17	0.41	2.00%	12.00	32.37	644.60	0.65	2.00%	12.00	44.37	644.36	0.41	-2.00%	12.00				
109+65.00	644.08	3.06	644.14	0.06	2.00%	5.41	8.46	644.25	20.47	644.49	0.17	0.41	2.00%	12.00	32.47	644.73	0.65	2.00%	12.00	44.47	644.49	0.41	-2.00%	12.00				
109+70.00	644.22	3.36	644.28	0.07	2.00%	5.21	8.56	644.39	20.57	644.63	0.17	0.41	2.00%	12.00	32.57	644.87	0.65	2.00%	12.00	44.57	644.63	0.41	-2.00%	12.00				
109+75.00	644.35	3.66	644.42	0.07	2.00%	5.01	8.66	644.52	20.67	644.76	0.17	0.41	2.00%	12.00	32.67	645.00	0.65	2.00%	12.00	44.67	644.76	0.41	-2.00%	12.00				
109+80.00	644.48	3.96	644.56	0.08	2.00%	4.81	8.76	644.66	20.77	644.90	0.18	0.42	2.00%	12.00	32.77	645.14	0.66	2.00%	12.00	44.77	644.90	0.42	-2.00%	12.00				
109+85.00	644.62	4.26	644.70	0.09	2.00%	4.61	8.86	644.80	20.87	645.04	0.18	0.42	2.00%	12.00	32.87	645.28	0.66	2.00%	12.00	44.87	645.04	0.42	-2.00%	12.00				
109+90.00	644.75	4.56	644.84	0.09	2.00%	4.41	8.96	644.93	20.97	645.17	0.18	0.42	2.00%	12.00	32.97	645.41	0.66	2.00%	12.00	44.97	645.17	0.42	-2.00%	12.00				
109+95.00	644.89	4.86	644.98	0.10	2.00%	4.21	9.06	645.07	21.07	645.31	0.18	0.42	2.00%	12.00	33.07	645.55	0.66	2.00%	12.00	45.07	645.31	0.42	-2.00%	12.00				
110+00.00	645.02	5.16	645.12	190:1	0.10	2.00%	4.00	9.16	645.20	21.17	645.44	190:1	0.18	0.42	2.00%	12.00	33.17	645.68	190:1	0.66	2.00%	12.00	45.17	645.44	190:1	0.42	-2.00%	12.00
110+05.00	645.15	5.46	645.26		0.10	1.92%	3.80	9.26	645.33	21.27	645.56		0.18	0.41	1.92%	12.00	33.27	645.79		0.64	1.92%	12.00	45.07	645.56		0.40	-2.00%	11.80
110+10.00	645.29	5.76	645.39		0.11	1.84%	3.60	9.36	645.46	21.37	645.68		0.17	0.39	1.84%	12.00	33.37	645.90		0.61	1.84%	12.00	44.97	645.67		0.38	-2.00%	11.60
110+15.00	645.42	6.06	645.53		0.11	1.76%	3.40	9.46	645.59	21.47	645.80		0.17	0.38	1.76%	12.00	33.47	646.01		0.59	1.76%	12.00	44.87	645.78		0.36	-2.00%	11.40
110+20.00	645.56	6.36	645.66		0.11	1.68%	3.20	9.56	645.72	21.57	645.92		0.16	0.36	1.68%	12.00	33.57	646.12		0.56	1.68%	12.00	44.77	645.90		0.34	-2.00%	11.20
110+25.00	645.69	6.66	645.80		0.11	1.60%	3.00	9.66	645.84	21.67	646.04		0.15	0.35	1.60%	12.00	33.67	646.23		0.54	1.60%	12.00	44.67	646.01		0.32	-2.00%	11.00
110+30.00	645.82	6.96	645.93		0.11	1.52%	2.80	9.76	645.97	21.77	646.15		0.15	0.33	1.52%	12.00	33.77	646.34		0.51	1.52%	12.00	44.57	646.12		0.30	-2.00%	10.80
110+35.00	645.96	7.26	646.06		0.10	1.44%	2.60	9.86	646.10	21.87	646.27		0.14	0.31	1.44%	12.00	33.87	646.45		0.49	1.44%	12.00	44.47	646.23		0.28	-2.00%	10.60
110+40.00	646.09	7.56	646.19		0.10	1.36%	2.40	9.96	646.23	21.97	646.39		0.14	0.30	1.36%	12.00	33.97	646.55		0.46	1.36%	12.00	44.37	646.35		0.25	-2.00%	10.40
110+45.00	646.23	7.86	646.33		0.10	1.28%	2.20	10.06	646.35	22.07	646.51		0.13	0.28	1.28%	12.00	34.07	646.66		0.44	1.28%	12.00	44.27	646.46		0.23	-2.00%	10.20
110+50.00	646.36	8.16	646.46	0.10	1.20%	2.00	10.16	646.48	22.17	646.63	0.12	0.27	1.20%	12.00	34.17	646.77	0.41	1.20%	12.00	44.17	646.57	0.21	-2.00%	10.00				
110+55.00	646.49	8.46	646.59	190:1	0.09	1.12%	1.80	10.26	646.61	22.27	646.74	190:1	0.11	0.25	1.12%	12.00	34.27	646.88	190:1	0.38	1.12%	12.00	44.07	646.68	190:1	0.19	-2.00%	9.80
110+60.00	646.63	8.76	646.72		0.09	1.04%	1.60	10.36	646.74	22.37	646.86		0.11	0.23	1.04%	12.00	34.37	646.99		0.36	1.04%	12.00	43.97	646.79		0.17	-2.00%	9.60
110+65.00	646.76	9.06	646.85		0.09	0.96%	1.40	10.46	646.86	22.47	646.98		0.10	0.22	0.96%	12.00	34.47	647.09		0.33	0.96%	12.00	43.87	646.90		0.14	-2.00%	9.40
110+70.00	646.90	9.36	646.98		0.08	0.88%	1.20	10.56	646.99	22.57	647.09		0.09	0.20	0.88%	12.00	34.57	647.20		0.30	0.88%	12.00	43.77	647.02		0.12	-2.00%	9.20
110+75.00	647.03	9.66	647.11		0.08	0.80%	1.00	10.66	647.12	22.67	647.21		0.09	0.18	0.80%	12.00	34.67	647.31		0.28	0.80%	12.00	43.67	647.13		0.10		

STATION	PROFILE GRADE	OFFSET LEFT EDGE	EDGE ELEVATION LEFT EDGE	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	OFFSET LEFT EDGE	EDGE ELEVATION LEFT EDGE	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	OFFSET LEFT EDGE	EDGE ELEVATION LEFT EDGE	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	OFFSET LEFT EDGE	EDGE ELEVATION LEFT EDGE	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	OFFSET RIGHT EDGE	EDGE ELEVATION RIGHT EDGE	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH					
CENTERLINE		WB LEFT SHOULDER							WB LEFT LANE							WB MIDDLE LANE							WB RIGHT LANE							WB RIGHT SHOULDER						
109+00.00	642.34	-54.75	642.34	200:1	0.00	4.50%	10.00	-44.75	642.79	500:1	0.45	1.17%	12.00	-32.75	642.93	626:1	0.59	-1.33%	12.00	-20.74	642.77	-8.74	642.52	5024:1	0.43	0.18	-2.08%	12.00	-1.66	642.26	422:1	-0.08	-3.67%	7.08		
109+05.00	642.47	-54.65	642.49		0.02	4.22%	10.00	-44.65	642.92		0.44	1.25%	12.00	-32.65	643.07		0.59	-1.40%	12.00	-20.64	642.90	-8.64	642.65		0.43	0.18	-2.06%	12.00	-1.66	642.41		-0.07	-3.53%	6.98		
109+10.00	642.61	-54.55	642.65		0.04	3.98%	10.00	-44.55	643.05		0.44	1.34%	12.00	-32.55	643.21		0.60	-1.46%	12.00	-20.54	643.03	-8.54	642.78		0.42	0.18	-2.06%	12.00	-1.66	642.55		-0.06	-3.36%	6.88		
109+15.00	642.74	-54.45	642.80		0.06	3.73%	10.00	-44.45	643.17		0.43	1.42%	12.00	-32.45	643.34		0.60	-1.53%	12.00	-20.44	643.16	-8.44	642.91		0.42	0.17	-2.05%	12.00	-1.66	642.70		-0.04	-3.19%	6.78		
109+20.00	642.88	-54.35	642.95		0.08	3.48%	10.00	-44.35	643.30		0.43	1.50%	12.00	-32.35	643.48		0.61	-1.60%	12.00	-20.34	643.29	-8.34	643.05		0.42	0.17	-2.04%	12.00	-1.66	642.84		-0.03	-3.02%	6.68		
109+25.00	643.01	-54.25	643.11		0.10	3.24%	10.00	-44.25	643.43		0.42	1.59%	12.00	-32.25	643.62		0.61	-1.66%	12.00	-20.24	643.42	-8.24	643.18		0.41	0.17	-2.03%	12.00	-1.66	642.99		-0.02	-2.85%	6.58		
109+30.00	643.14	-54.15	643.26		0.12	2.99%	10.00	-44.15	643.56		0.42	1.67%	12.00	-32.15	643.76		0.62	-1.73%	12.00	-20.14	643.55	-8.14	643.31		0.41	0.17	-2.03%	12.00	-1.66	643.14		-0.01	-2.68%	6.48		
109+35.00	643.28	-54.05	643.41		0.14	2.74%	10.00	-44.05	643.69		0.41	1.75%	12.00	-32.05	643.90		0.62	-1.80%	12.00	-20.04	643.68	-8.04	643.44		0.41	0.16	-2.02%	12.00	-1.66	643.28		0.00	-2.51%	6.38		
109+40.00	643.41	-53.95	643.57		0.16	2.49%	10.00	-43.95	643.82		0.41	1.83%	12.00	-31.95	644.04		0.63	-1.86%	12.00	-19.94	643.81	-7.94	643.57		0.40	0.16	-2.01%	12.00	-1.66	643.43		0.01	-2.34%	6.28		
109+45.00	643.55	-53.85	643.72		0.18	2.25%	10.00	-43.85	643.95		0.40	1.92%	12.00	-31.85	644.18		0.63	-1.93%	12.00	-19.84	643.94	-7.84	643.70		0.40	0.16	-2.01%	12.00	-1.66	643.57		0.02	-2.17%	6.18		
109+50.00	643.68	-53.75	643.87		0.19	2.00%	10.00	-43.75	644.07		0.39	2.00%	12.00	-31.75	644.31		0.63	-2.00%	12.00	-19.74	644.07	-7.74	643.83		0.39	0.15	-2.00%	12.00	-1.74	643.71		0.03	-2.00%	6.00		
109+55.00	643.81	-53.65	644.01	0.19	2.00%	10.00	-43.65	644.21	0.39	2.00%	12.00	-31.65	644.45	0.63	-2.00%	12.00	-19.64	644.21	-7.64	643.97	0.39	0.15	-2.00%	12.00	-1.84	643.85	0.04	-2.00%	5.80							
109+60.00	643.95	-53.55	644.14	0.19	2.00%	10.00	-43.55	644.34	0.39	2.00%	12.00	-31.55	644.58	0.63	-2.00%	12.00	-19.54	644.34	-7.54	644.10	0.39	0.15	-2.00%	12.00	-1.94	643.99	0.04	-2.00%	5.60							
109+65.00	644.08	-53.45	644.27	0.19	2.00%	10.00	-43.45	644.47	0.39	2.00%	12.00	-31.45	644.71	0.63	-2.00%	12.00	-19.44	644.47	-7.44	644.23	0.39	0.15	-2.00%	12.00	-2.04	644.12	0.04	-2.00%	5.40							
109+70.00	644.22	-53.35	644.40	0.19	2.00%	10.00	-43.35	644.60	0.39	2.00%	12.00	-31.35	644.84	0.63	-2.00%	12.00	-19.34	644.60	-7.34	644.36	0.39	0.15	-2.00%	12.00	-2.14	644.26	0.04	-2.00%	5.20							
109+75.00	644.35	-53.25	644.53	0.18	2.00%	10.00	-43.25	644.73	0.38	2.00%	12.00	-31.25	644.97	0.62	-2.00%	12.00	-19.24	644.73	-7.24	644.49	0.38	0.14	-2.00%	12.00	-2.24	644.39	0.04	-2.00%	5.00							
109+80.00	644.48	-53.15	644.67	0.18	2.00%	10.00	-43.15	644.87	0.38	2.00%	12.00	-31.15	645.11	0.62	-2.00%	12.00	-19.14	644.87	-7.14	644.63	0.38	0.14	-2.00%	12.00	-2.34	644.53	0.05	-2.00%	4.80							
109+85.00	644.62	-53.05	644.80	0.18	2.00%	10.00	-43.05	645.00	0.38	2.00%	12.00	-31.05	645.24	0.62	-2.00%	12.00	-19.04	645.00	-7.04	644.76	0.38	0.14	-2.00%	12.00	-2.44	644.67	0.05	-2.00%	4.60							
109+90.00	644.75	-52.95	644.93	0.18	2.00%	10.00	-42.95	645.13	0.38	2.00%	12.00	-30.95	645.37	0.62	-2.00%	12.00	-18.94	645.13	-6.94	644.89	0.38	0.14	-2.00%	12.00	-2.54	644.80	0.05	-2.00%	4.40							
109+95.00	644.89	-52.85	645.06	0.18	2.00%	10.00	-42.85	645.26	0.38	2.00%	12.00	-30.85	645.50	0.62	-2.00%	12.00	-18.84	645.26	-6.84	645.02	0.38	0.14	-2.00%	12.00	-2.64	644.94	0.05	-2.00%	4.20							
110+00.00	645.02	-52.75	645.19	0.17	2.00%	10.00	-42.75	645.39	0.37	2.00%	12.00	-30.75	645.63	0.61	-2.00%	12.00	-18.74	645.39	-6.74	645.15	0.37	0.13	-2.00%	12.00	-2.74	645.07	0.05	-2.00%	4.00							
110+05.00	645.15	-52.65	645.30	0.15	2.00%	10.00	-42.65	645.50	0.35	2.00%	12.00	-30.65	645.74	0.59	-1.92%	12.00	-18.64	645.51	-6.64	645.28	0.36	0.13	-1.92%	12.00	-2.84	645.21	0.05	-1.92%	3.80							
110+10.00	645.29	-52.55	645.41	0.12	2.00%	10.00	-42.55	645.61	0.32	2.00%	12.00	-30.55	645.85	0.56	-1.84%	12.00	-18.54	645.63	-6.54	645.41	0.34	0.12	-1.84%	12.00	-2.94	645.34	0.05	-1.84%	3.60							
110+15.00	645.42	-52.45	645.52	0.10	2.00%	10.00	-42.45	645.72	0.30	2.00%	12.00	-30.45	645.96	0.54	-1.76%	12.00	-18.44	645.75	-6.44	645.54	0.32	0.11	-1.76%	12.00	-3.04	645.48	0.05	-1.76%	3.40							
110+20.00	645.56	-52.35	645.63	0.07	2.00%	10.00	-42.35	645.83	0.27	2.00%	12.00	-30.35	646.07	0.51	-1.68%	12.00	-18.34	645.86	-6.34	645.66	0.31	0.11	-1.68%	12.00	-3.14	645.61	0.05	-1.68%	3.20							
110+25.00	645.69	-52.25	645.73	0.04	2.00%	10.00	-42.25	645.93	0.24	2.00%	12.00	-30.25	646.17	0.48	-1.60%	12.00	-18.24	645.98	-6.24	645.79	0.29	0.10	-1.60%	12.00	-3.24	645.74	0.05	-1.60%	3.00							
110+30.00	645.82	-52.15	645.84	0.02	2.00%	10.00	-42.15	646.04	0.22	2.00%	12.00	-30.15	646.28	0.46	-1.52%	12.00	-18.14	646.10	-6.14	645.92	0.28	0.09	-1.52%	12.00	-3.34	645.87	0.05	-1.52%	2.80							
110+35.00	645.96	-52.05	645.95	-0.01	2.00%	10.00	-42.05	646.15	0.19	2.00%	12.00	-30.05	646.39	0.43	-1.44%	12.00	-18.04	646.22	-6.04	646.04	0.26															



660.53
RAMP E-N

I.R. 490 WB

I.R. 490 EB

RAMP S-E

311 \rightarrow CONST. RAMP S-E

CONSTRUCTION
LIMIT

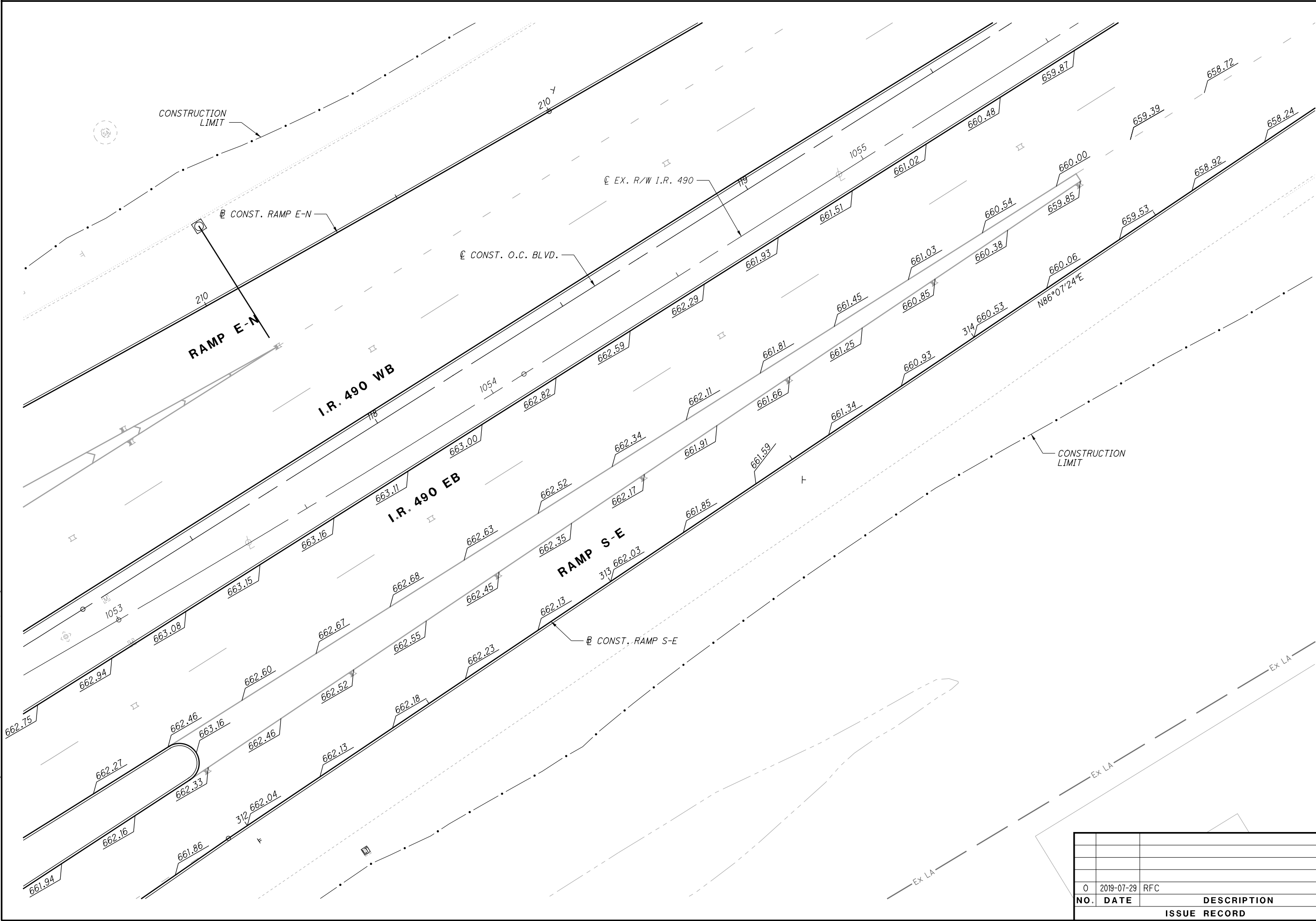
0	2019-07-29	RFC
NO.	DATE	DESCRIPTION
ISSUE RECORD		



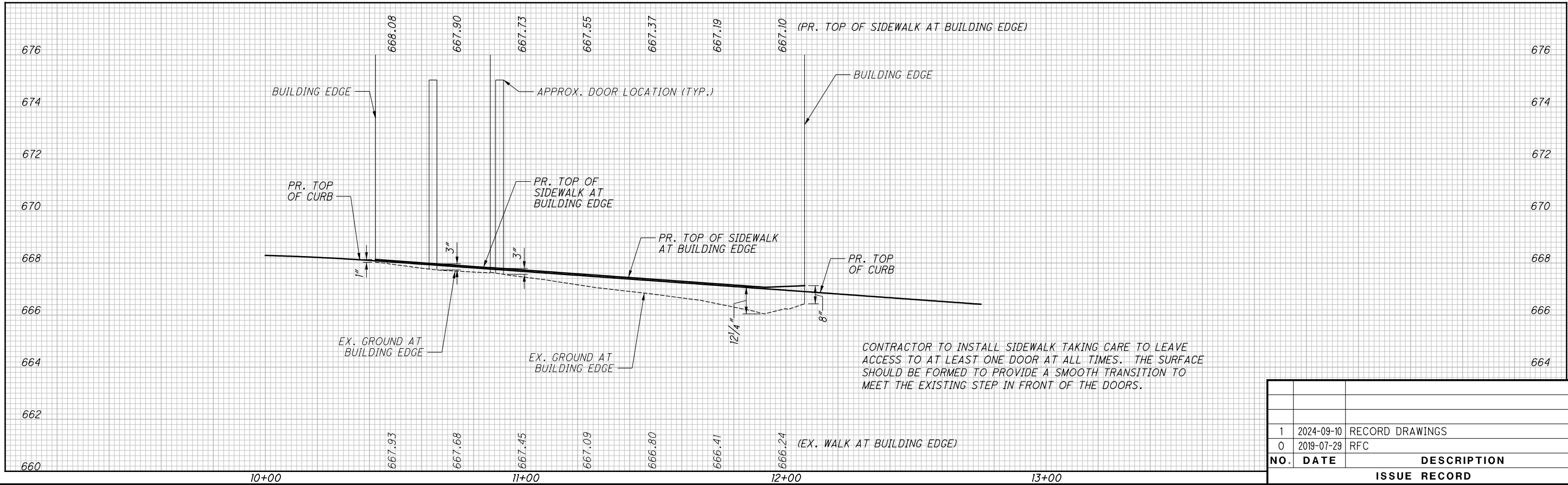
RAMP TERMINAL DETAIL

**CUY-IR490 / SR010-
2.09 / 19.28**

278
303



0	2019-07-29	RFC
NO.	DATE	DESCRIPTION
ISSUE RECORD		



NO.	DATE	DESCRIPTION
1	2024-09-10	RECORD DRAWINGS
0	2019-07-29	RFC

ISSUE RECORD	
--------------	--

BROST FOUNDRY ELEVATION DETAIL

CUY-IR490/ SR010-
2.09 / 19.28



CURVE LETTER	RADIUS	INTERIOR ANGLE	LENGTH OF CURVE
A	45.00	74.44°	58.46
B	140.00	32.50°	79.41
C	55.00	66.21°	63.55

D-102
PR. CLE. M.H. No. 1
STA. 106+50.00 0.00' RT
PR. RIM ELEV = 649.62

1	2024-09-10	RECORD DRAWINGS
0	2019-07-29	RFC
NO.	DATE	DESCRIPTION
ISSUE RECORD		

$$\frac{281}{303}$$

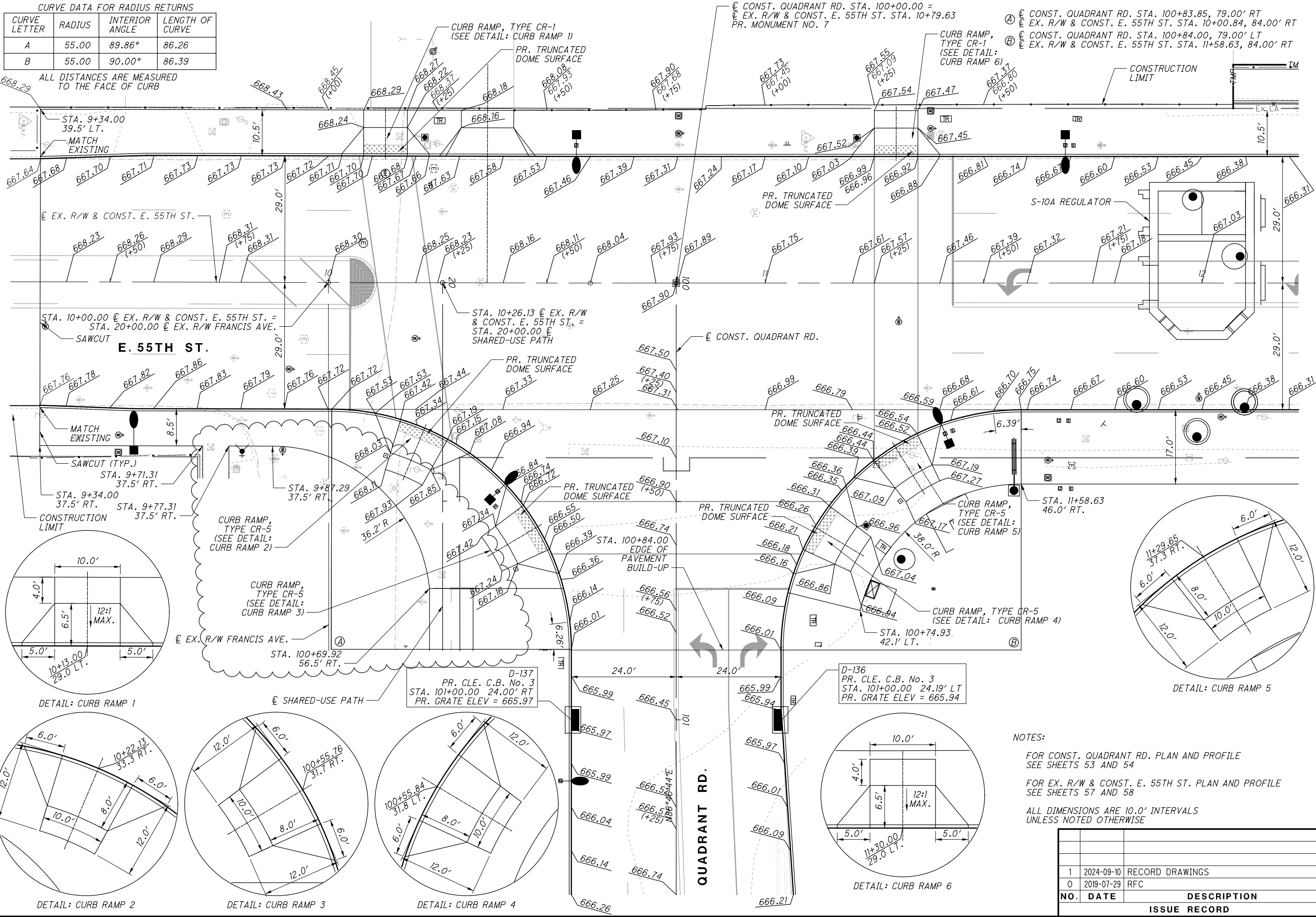
RECORD PLANS

RECORD PLANS



CURVE DATA FOR RADIUS RETURNS			
CURVE LETTER	RADIUS	INTERIOR ANGLE	LENGTH OF CURVE
A	55.00	89.86°	86.26
B	55.00	90.00°	86.39

ALL DISTANCES ARE MEASURED TO THE FACE OF CURB



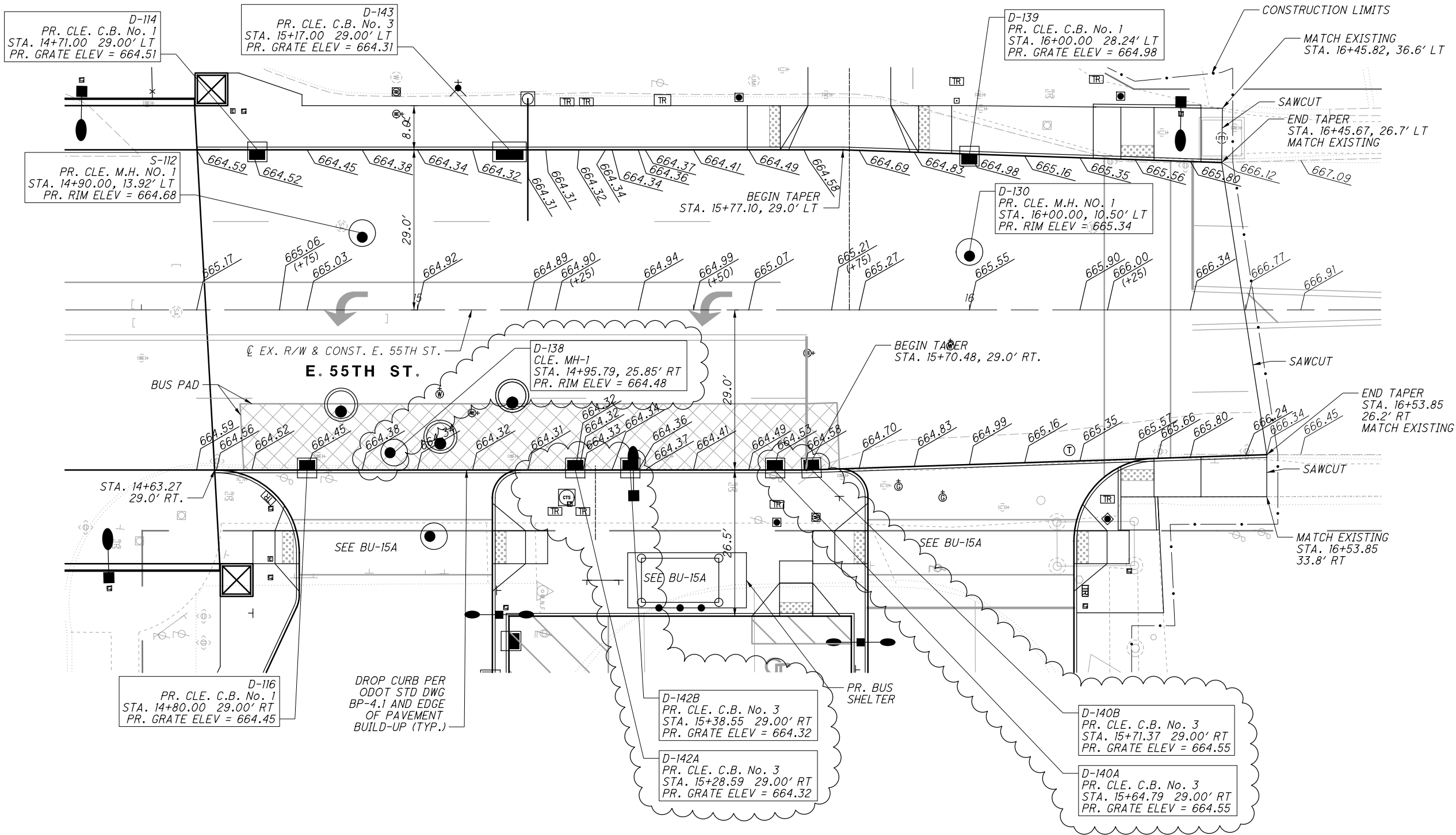
NOTES:

FOR CONST. QUADRANT RD. PLAN AND PROFILE
SEE SHEETS 53 AND 54

FOR EX. R/W & CONST. E. 55TH ST. PLAN AND PROFILE
SEE SHEETS 57 AND 58

ALL DIMENSIONS ARE 10.0' INTERVALS
UNLESS NOTED OTHERWISE

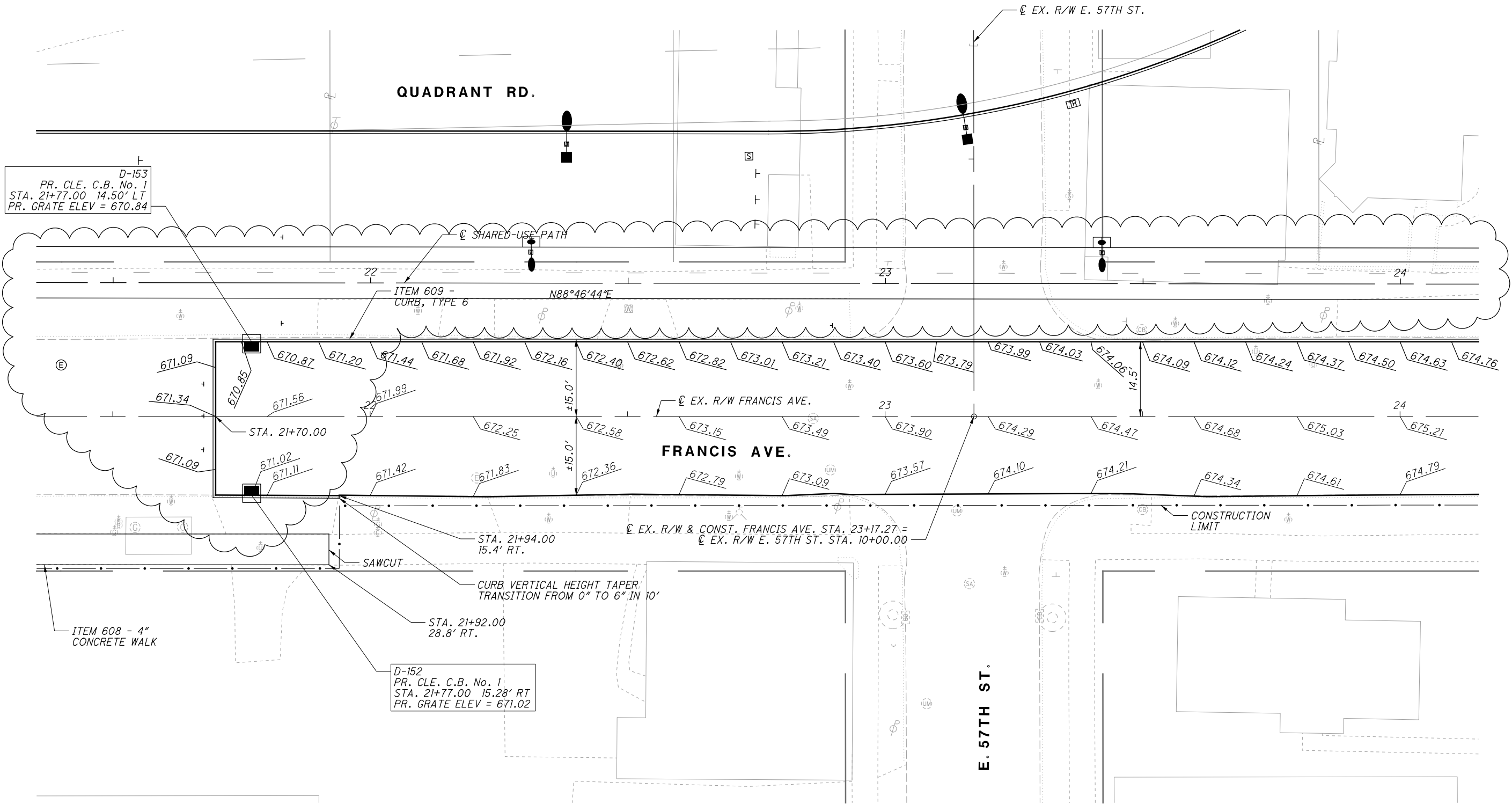
NO.	DATE	DESCRIPTION
1	2024-09-10	RECORD DRAWINGS
0	2019-07-29	RFC
ISSUE RECORD		



NOTES:

- FOR EX. R/W & CONST. E. 55TH ST. PLAN AND PROFILE
SEE SHEETS 57 AND 58
- ALL DIMENSIONS ARE 10.0' INTERVALS
UNLESS NOTED OTHERWISE
- SEE BU-15A FOR CURB RAMP DETAILS AND CURB RETURN
INFORMATION

NO.	DATE	DESCRIPTION
2	2024-09-10	RECORD DRAWINGS
1	2020-05-20	DC039
0	2019-07-29	RFC
ISSUE RECORD		

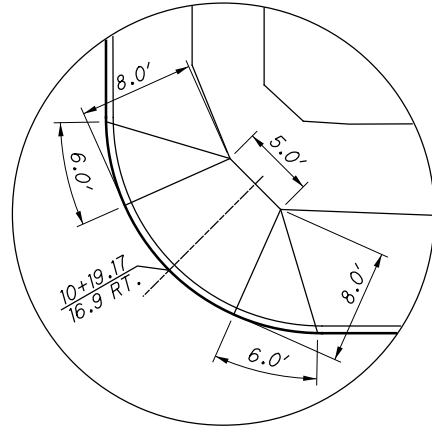
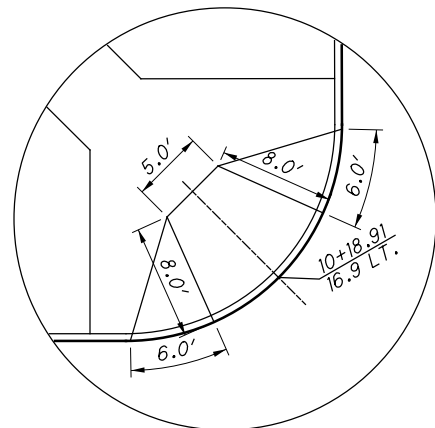
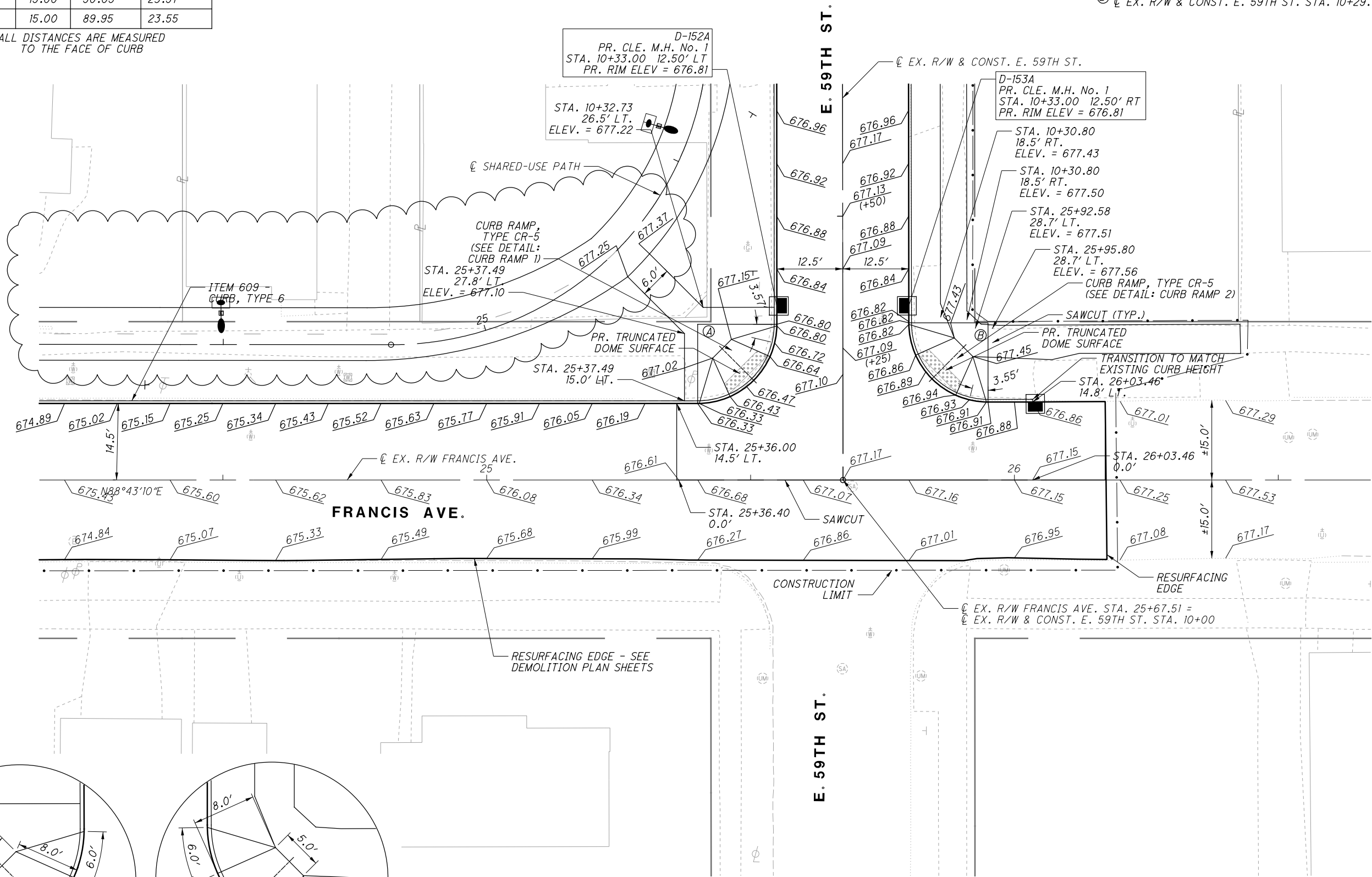


NOTES:
ALL DIMENSIONS ARE 10.0' INTERVALS
UNLESS NOTED OTHERWISE

NO.	DATE	DESCRIPTION
1	2024-09-10	RECORD DRAWINGS
0	2019-07-29	RFC
ISSUE RECORD		

CURVE DATA FOR RADIUS RETURNS			
CURVE LETTER	RADIUS	INTERIOR ANGLE	LENGTH OF CURVE
A	15.00	90.05°	23.57
B	15.00	89.95	23.55

ALL DISTANCES ARE MEASURED TO THE FACE OF CURB



- ① EX. R/W FRANCIS AVE. STA. 25+39.99, 29.50' LT
EX. R/W & CONST. E. 59TH ST. STA. 10+29.52, 27.50' LT
② EX. R/W FRANCIS AVE. STA. 25+94.99, 29.79' LT
EX. R/W & CONST. E. 59TH ST. STA. 10+29.77, 27.50' RT

NOTES:

FOR EX. R/W & CONST. E. 59TH ST. PLAN AND PROFILE SEE SHEETS 63 AND 64

ALL DIMENSIONS ARE 10.0' INTERVALS UNLESS NOTED OTHERWISE

NO.	DATE	DESCRIPTION
1	2024-09-10	RECORD DRAWINGS
0	2019-07-29	RFC
ISSUE RECORD		

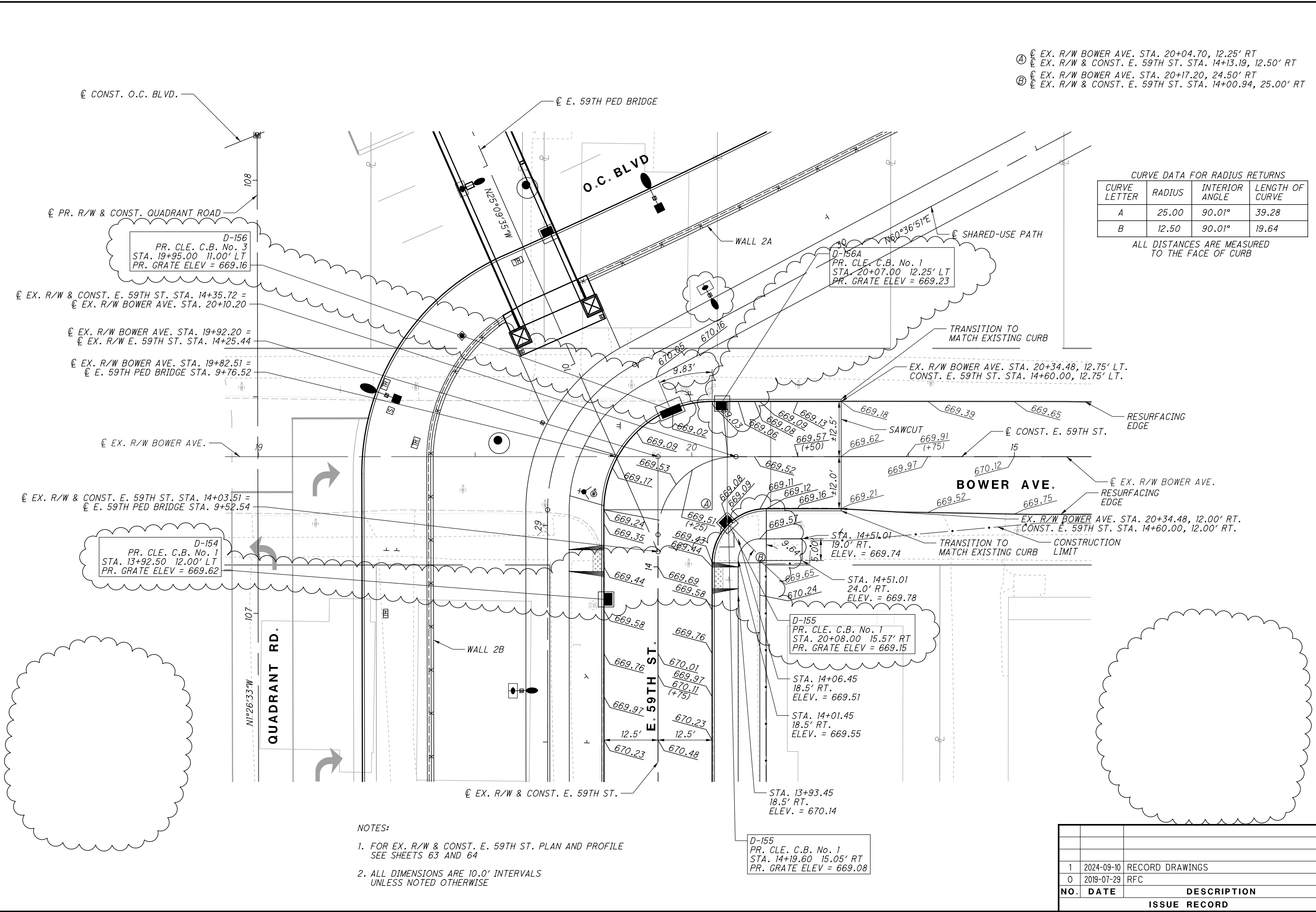
CUY-IR490/ SR010-
2.09/ 19.28

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303

INTERSECTION DETAIL
FRANCIS AVE. & E. 59TH ST.

RECORD PLANS
RECORD PLANS





CURVE DATA FOR RADIUS RETURNS			
CURVE LETTER	RADIUS	INTERIOR ANGLE	LENGTH OF CURVE
A	25.00	90.01°	39.28
B	12.50	90.01°	19.64

ALL DISTANCES ARE MEASURED TO THE FACE OF CURB

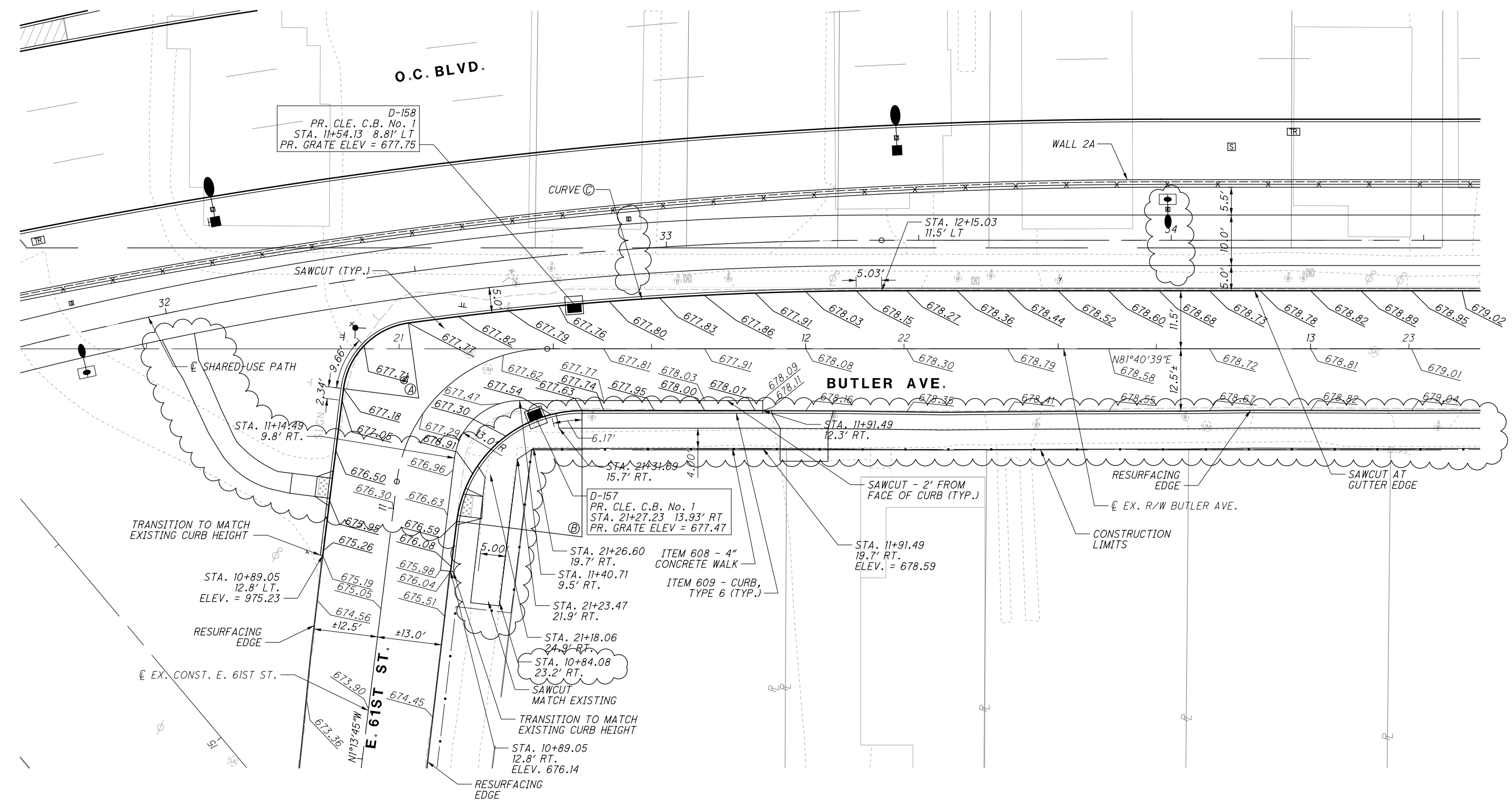
NO.	DATE	DESCRIPTION
1	2024-09-10	RECORD DRAWINGS
0	2019-07-29	RFC
ISSUE RECORD		

CURVE E. 61ST 1
P.I. STA. 11+31.89
 $\Delta = 89^{\circ}54'24''$
 $Dc = 190^{\circ}59'09''$
 $R = 30.00'$
 $T = 26.50'$
 $L = 43.41'$
 $E = 10.03'$

CURVE DATA FOR RADIUS RETURNS			
CURVE LETTER	RADIUS	INTERIOR ANGLE	LENGTH OF CURVE
A	15.00	75.10°	19.66
B	25.00	82.91°	36.17
C	690.00	7.81°	94.00

ALL DISTANCES ARE MEASURED TO THE FACE OF CURB

- Ⓐ $\text{CL CONST. E. 61ST ST. STA. 11+21.84, 2.52' LT}$
 $\text{EX. R/W BUTLER AVE. STA. 21+03.89, 9.75' RT}$
- Ⓑ $\text{CL CONST. E. 61ST ST. STA. 11+55.70, 37.25' RT}$
 $\text{EX. R/W BUTLER AVE. STA. 21+36.24, 37.25' RT}$
- Ⓒ $\text{CL CONST. E. 61ST ST. STA. 12+15.03, 678.50' RT}$
 $\text{EX. R/W BUTLER AVE. STA. 21+95.57, 678.50' RT}$



NOTES:

1. ALL DIMENSIONS ARE 10.0' INTERVALS UNLESS NOTED OTHERWISE

NO.	DATE	DESCRIPTION
1	2024-09-10	RECORD DRAWINGS
0	2019-07-29	RFC
ISSUE RECORD		

CUY-IR490/ SR010-2.09/ 19.28

INTERSECTION DETAIL
BUTLER AVE. & E. 61ST ST.

RECORD PLANS

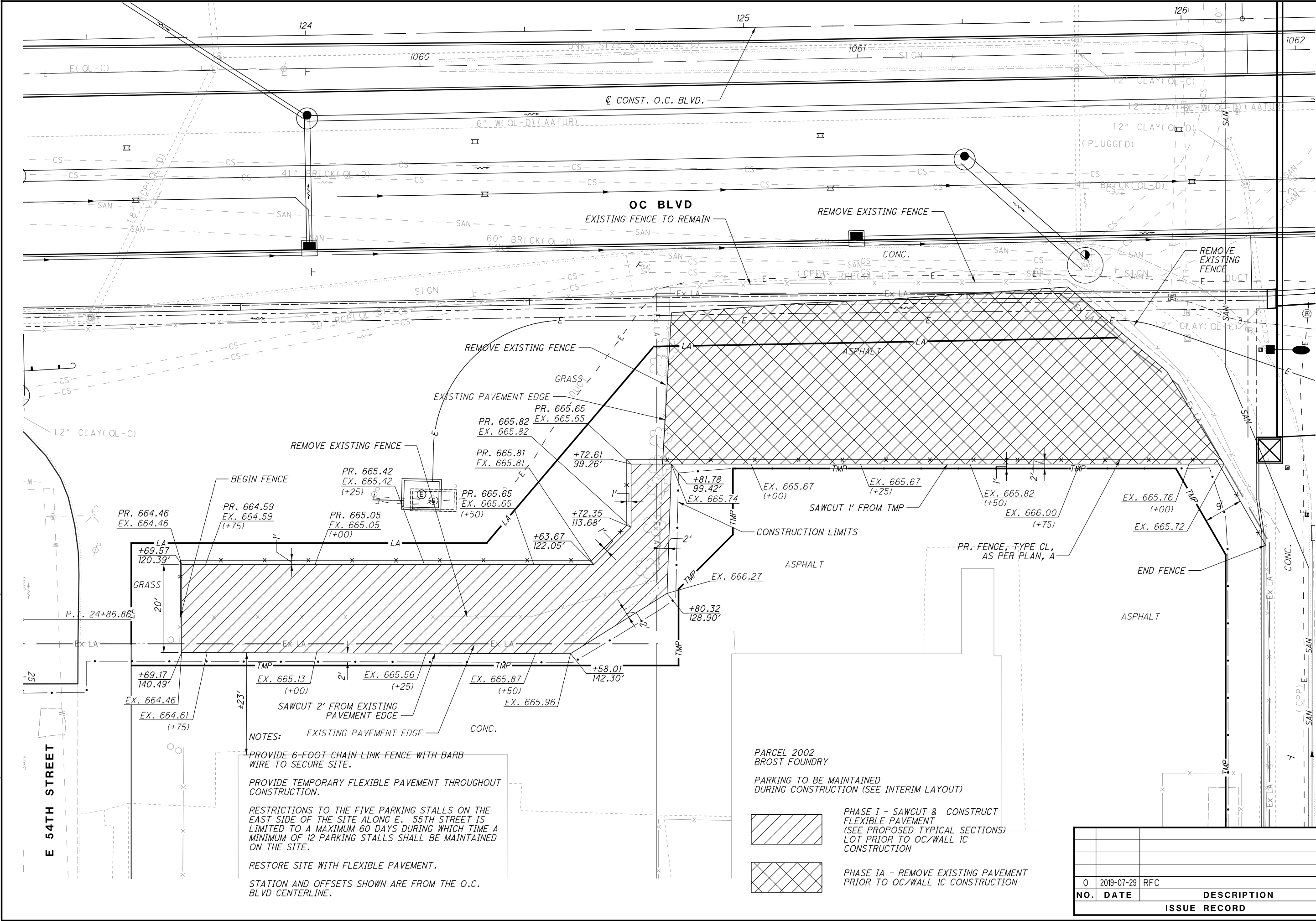
RECORD PLANS

287
303

0 10 20
HORIZONTAL
SCALE IN FEET

CALCULATED
CC
CHECKED
LJS

RECORD PLANS



NOTES:

PROVIDE 6-FOOT CHAIN-LINK FENCE WITH BARB WIRE TO SECURE SITE.

PROVIDE TEMPORARY FLEXIBLE PAVEMENT THROUGHOUT CONSTRUCTION.

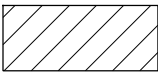
RESTRICTIONS TO THE FIVE PARKING STALLS ON THE EAST SIDE OF THE SITE ALONG E. 55TH STREET IS LIMITED TO A MAXIMUM 60 DAYS DURING WHICH TIME A MINIMUM OF 12 PARKING STALLS SHALL BE MAINTAINED ON THE SITE.

RESTORE SITE WITH FLEXIBLE PAVEMENT.

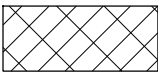
STATION AND OFFSETS SHOWN ARE FROM THE O.C. BLVD CENTERLINE.

PARCEL 2002
BROST FOUNDRY

PARKING TO BE MAINTAINED
DURING CONSTRUCTION (SEE INTERIM LAYOUT)

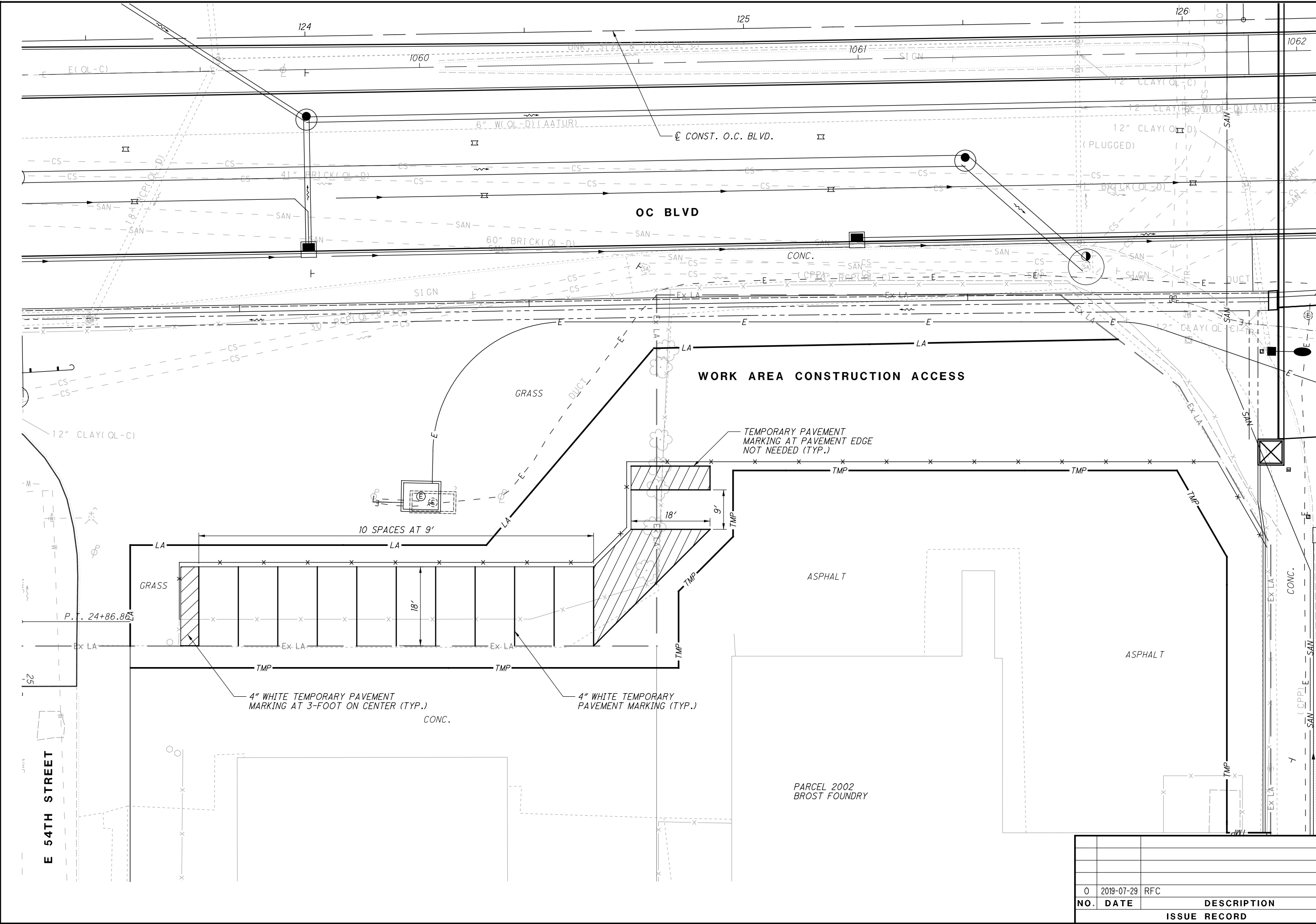


PHASE I - SAWCUT & CONSTRUCT FLEXIBLE PAVEMENT (SEE PROPOSED TYPICAL SECTIONS) LOT PRIOR TO OC/WALL IC CONSTRUCTION

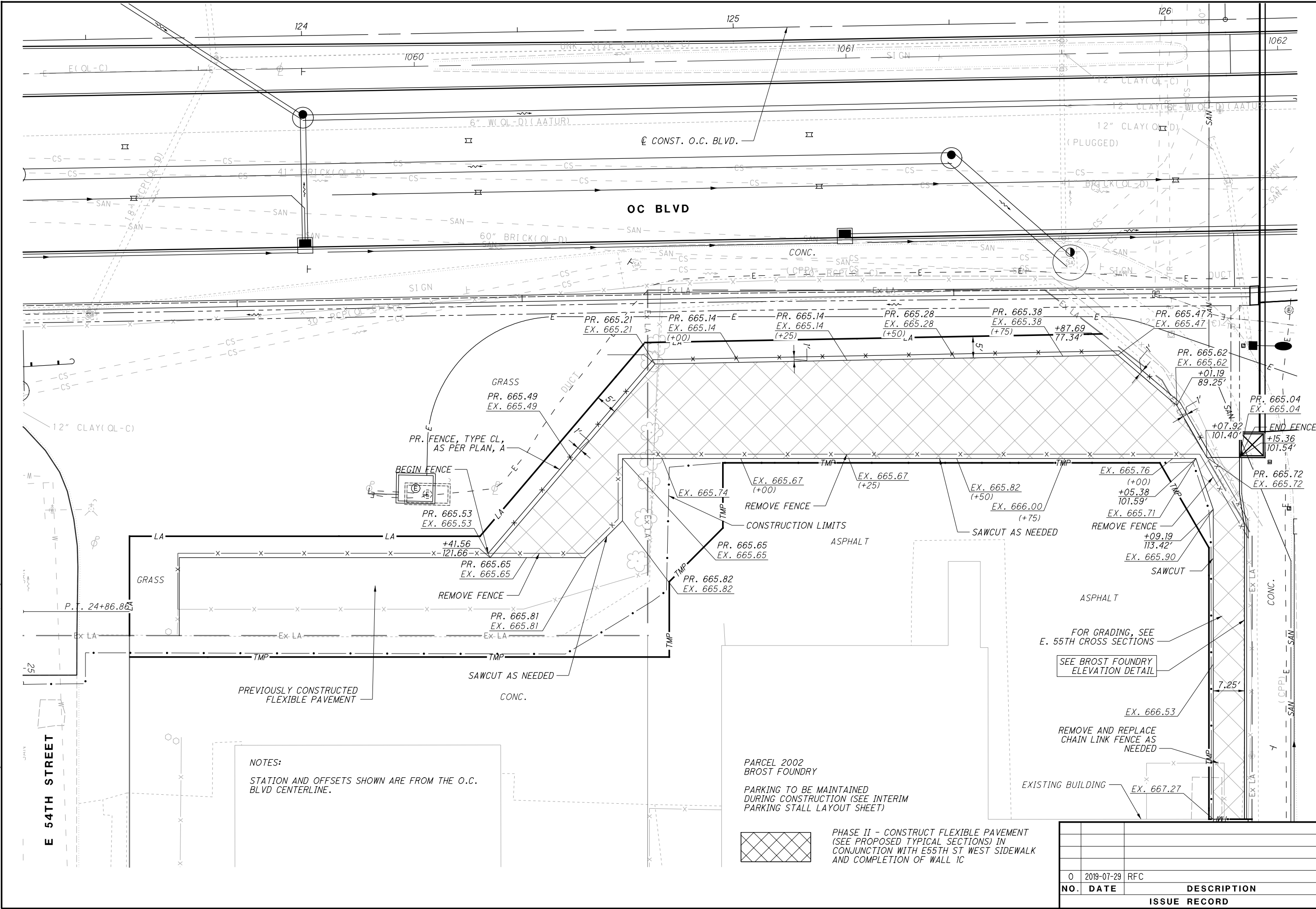


PHASE 1A - REMOVE EXISTING PAVEMENT PRIOR TO OC/WALL IC CONSTRUCTION

NO.	DATE	DESCRIPTION
0	2019-07-29	RFC
ISSUE RECORD		



NO.	DATE	DESCRIPTION
0	2019-07-29	RFC
ISSUE RECORD		



NOTES:
STATION AND OFFSETS SHOWN ARE FROM THE O.C.
BLVD CENTERLINE.

PARCEL 2002
BROST FOUNDRY

PARKING TO BE MAINTAINED
DURING CONSTRUCTION (SEE INTERIM
PARKING STALL LAYOUT SHEET)



PHASE II - CONSTRUCT FLEXIBLE PAVEMENT
(SEE PROPOSED TYPICAL SECTIONS) IN
CONJUNCTION WITH E55TH ST WEST SIDEWALK
AND COMPLETION OF WALL 1C

NO.		DATE	DESCRIPTION
0		2019-07-29	RFC
ISSUE RECORD			

SEQUENCE OF CONSTRUCTION
BROST FOUNDRY - TEMPORARY LOT

CUY-IR490/ SR010-
2.09 / 19.28

291
303

CALCULATED
JRL

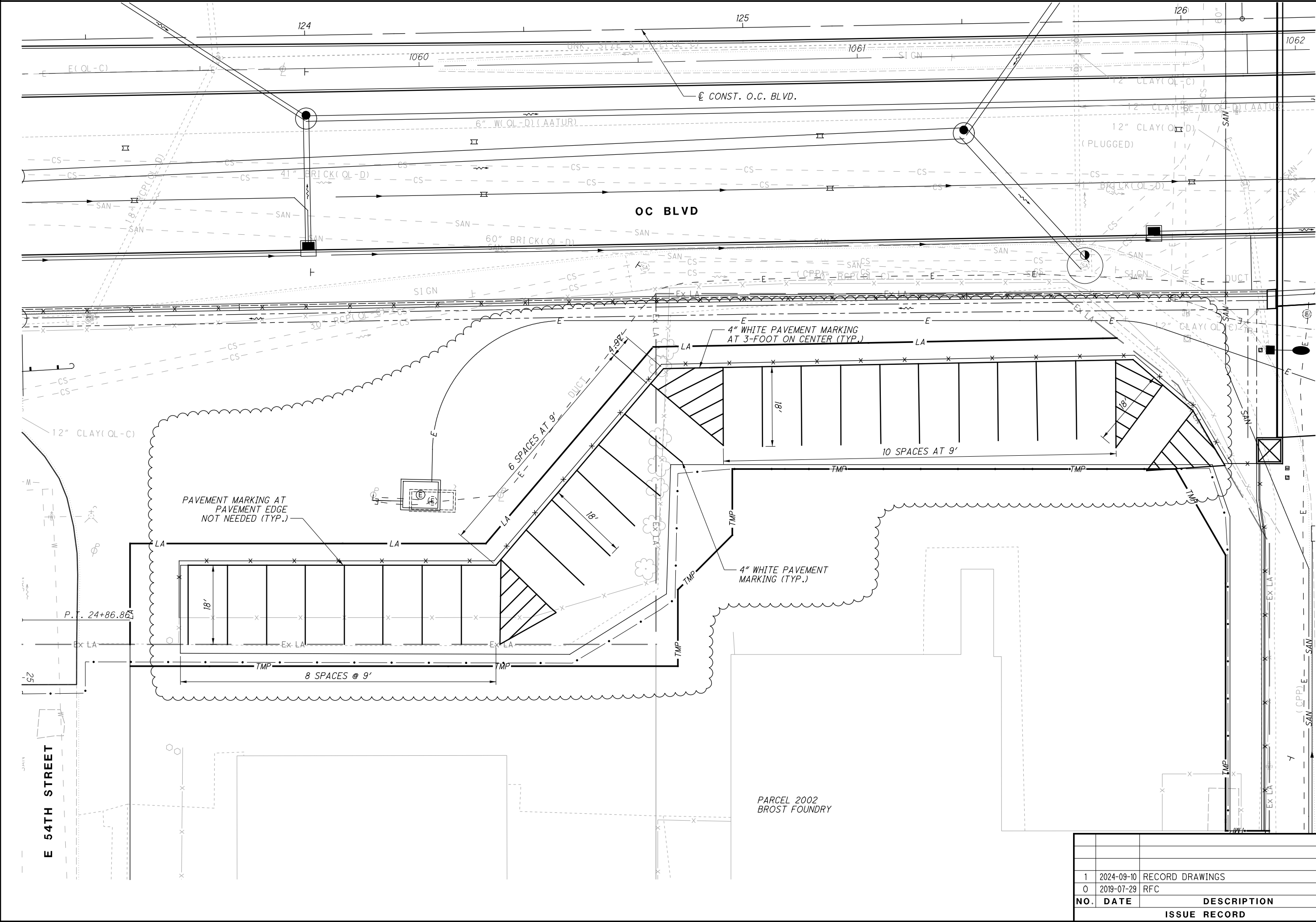
CHECKED
JTH

RECORD PLANS

RECORD PLANS

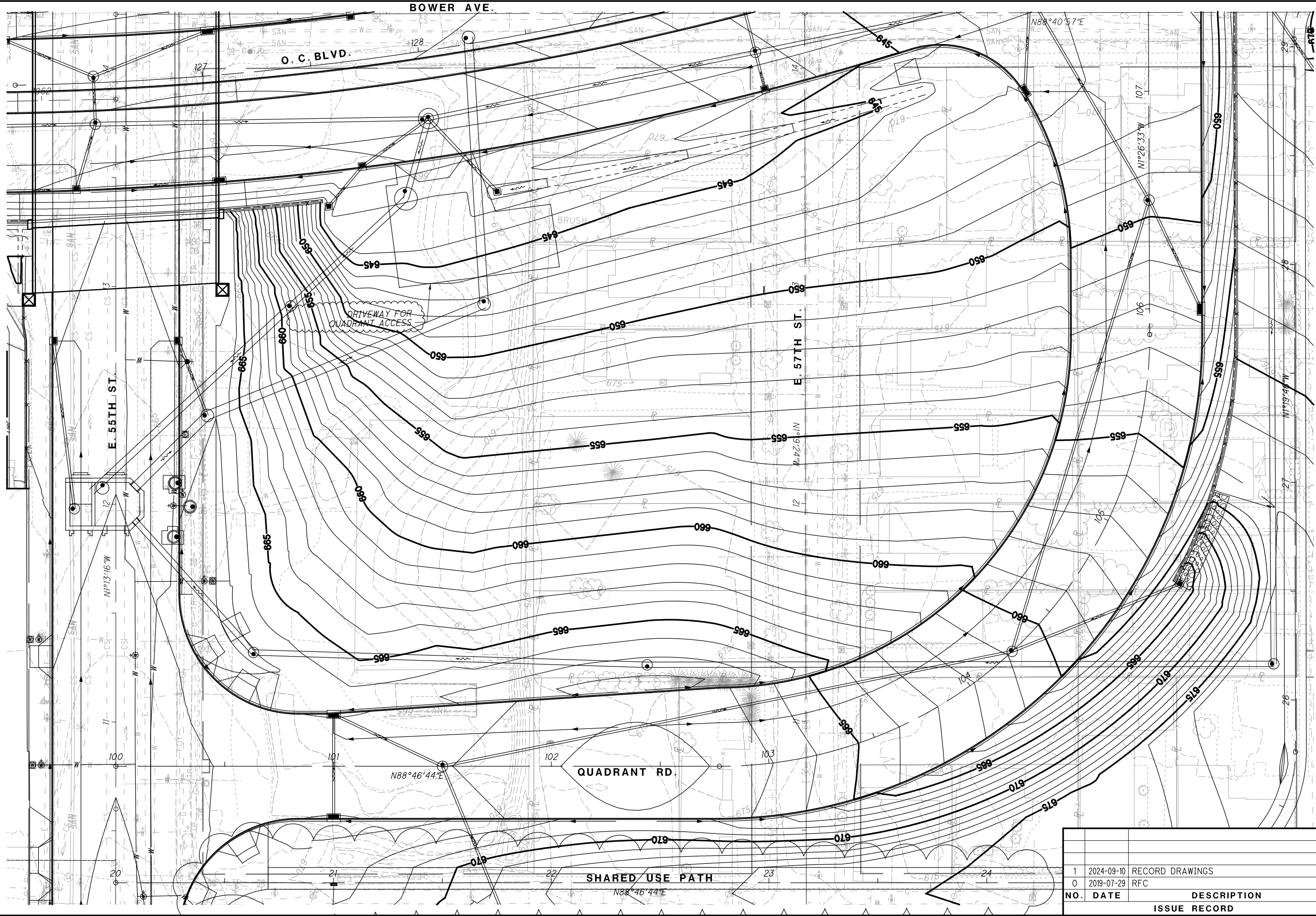
0 10 20
HORIZONTAL
SCALE IN FEET

↑



NO.	DATE	DESCRIPTION
1	2024-09-10	RECORD DRAWINGS
0	2019-07-29	RFC
ISSUE RECORD		





NO.	DATE	DESCRIPTION
1	2024-09-10	RECORD DRAWINGS
0	2019-07-29	RFC

CUY-IR490/ SR010-2.09/ 19.28

RECORD PLANS

GRADING PLAN
QUADRANT INFIELD

RECORD PLANS

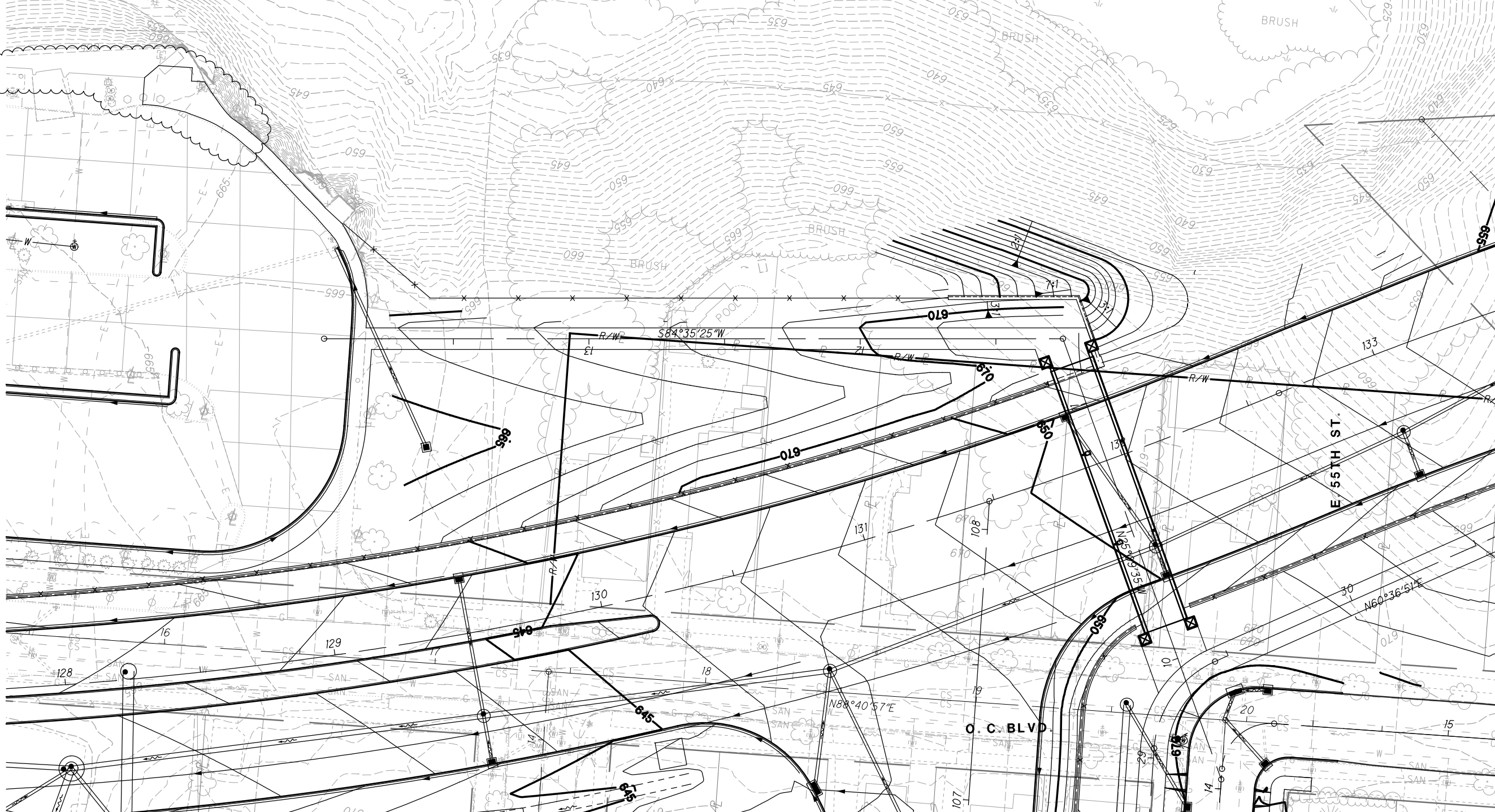
CALCULATED
CC

CHECKED
JTH

0 20 40

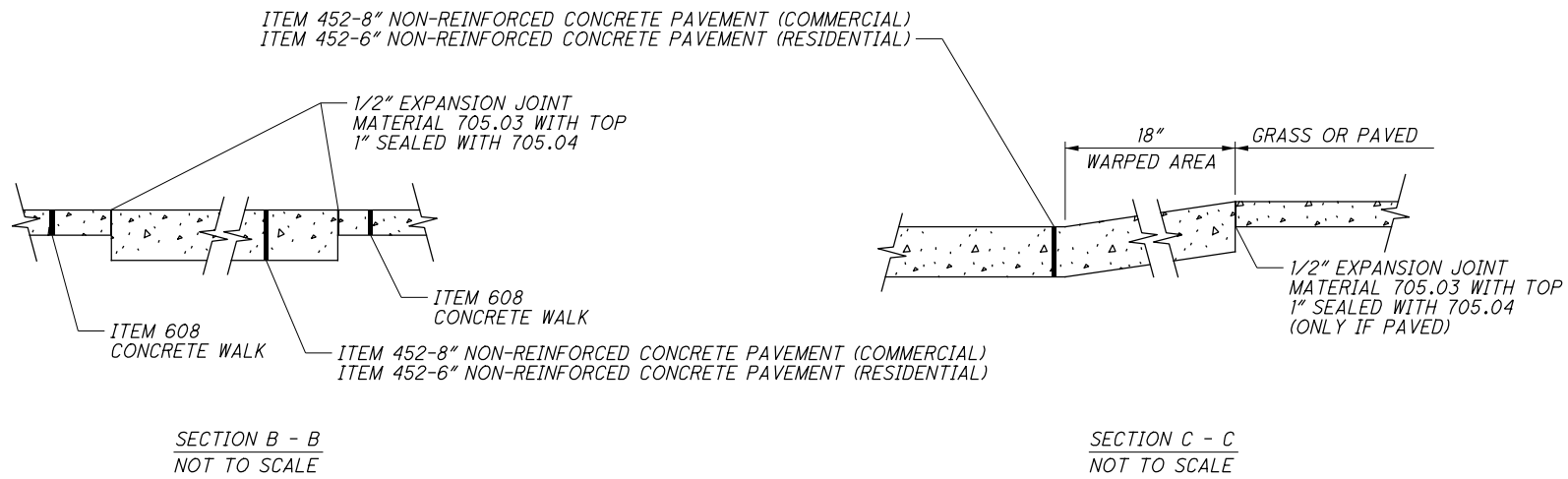
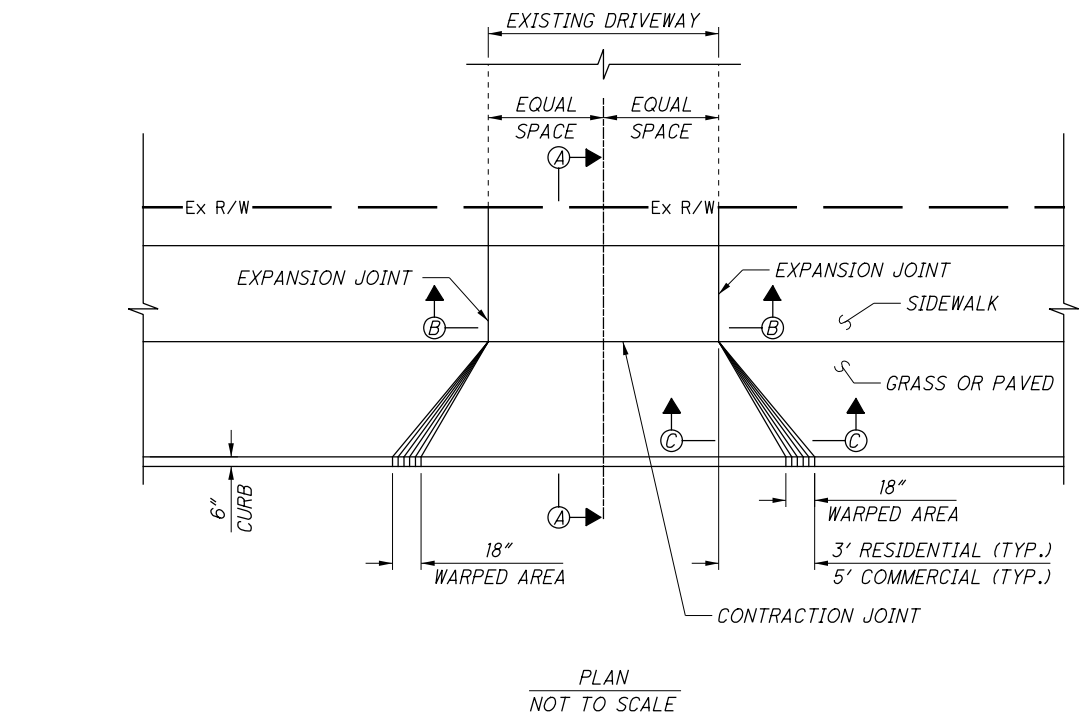
HORIZONTAL
SCALE IN FEET

293
303



1	2024-09-10	RECORD DRAWINGS
0	2019-07-29	RFC
NO.	DATE	DESCRIPTION
ISSUE RECORD		





COMMERCIAL DRIVES

- ① ITEM 441 - 1-1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG 64-22
- ITEM 407 - NON-TRACKING TACK COAT
- ITEM 441 - 1-3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448), PG64-22
- ITEM 304 - 8" AGGREGATE BASE

- ② ITEM 452 - 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC1

RESIDENTIAL DRIVES

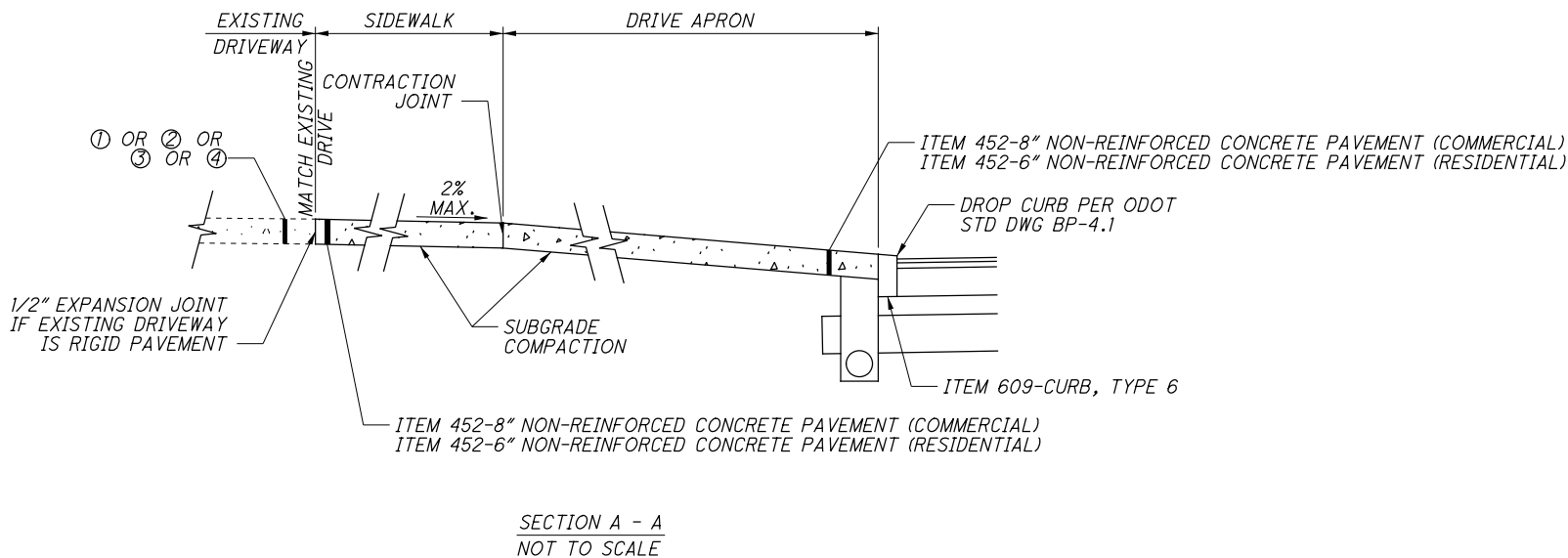
- ③ ITEM 441 - 1-1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG 64-22 (DRIVEWAYS)
- ITEM 407 - NON-TRACKING TACK COAT
- ITEM 301 - 3-1/2" ASPHALT CONCRETE BASE, PG64-22

- ④ ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC1

NOTES:

DRIVEWAY PAVEMENT TYPE SHALL MATCH THAT OF EXISTING ABUTTING DRIVEWAY

ALL DRIVE APRONS, INCLUDING SIDEWALK CROSSINGS, SHALL BE CONCRETE



0	2019-07-29	RFC
NO.	DATE	DESCRIPTION
ISSUE RECORD		

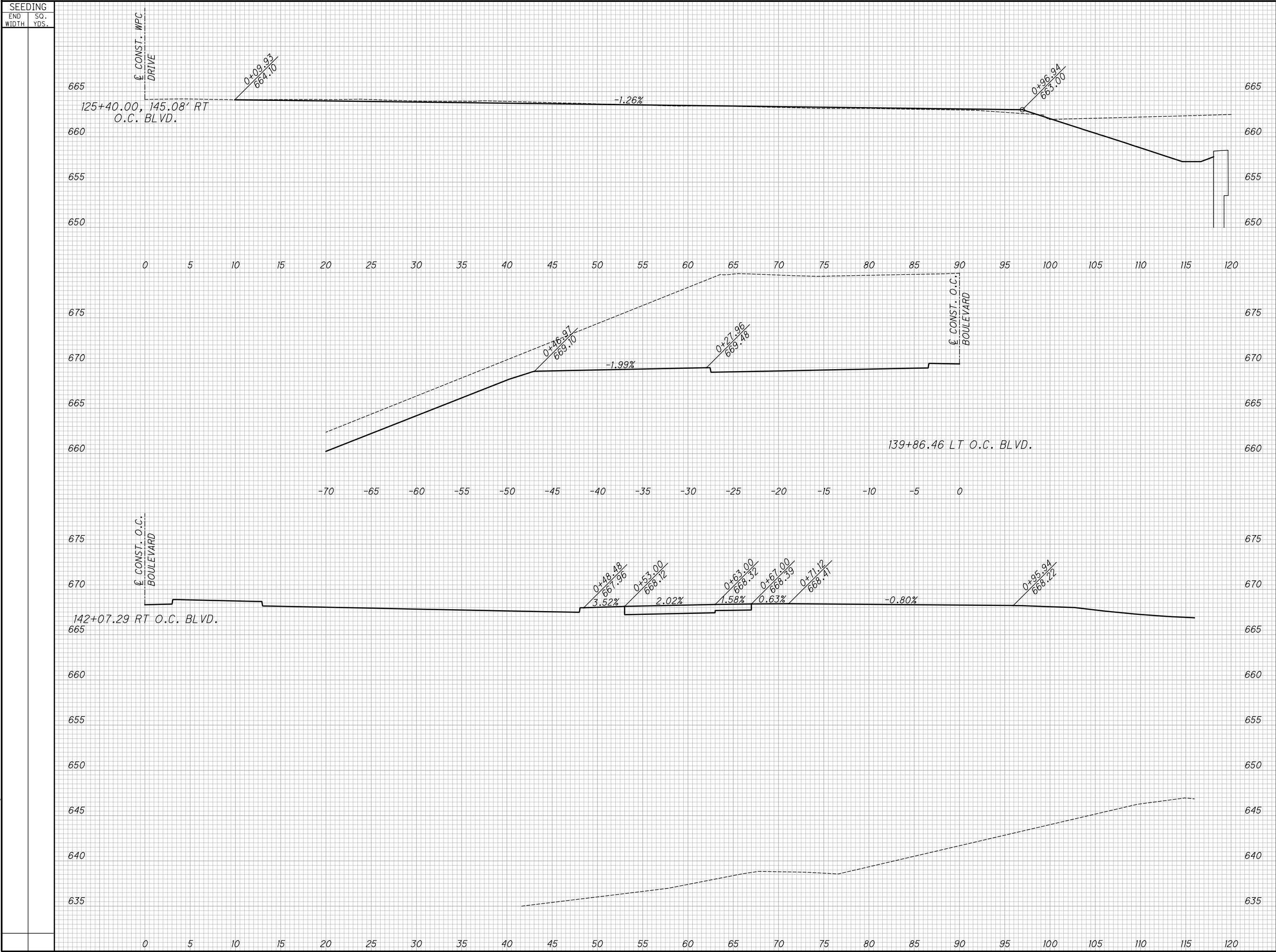
DRIVEWAY PROFILES
E. 55TH ST.

The drawing shows four cross-sections of a road profile, each with a stationing label and a vertical curve label. The sections are as follows:

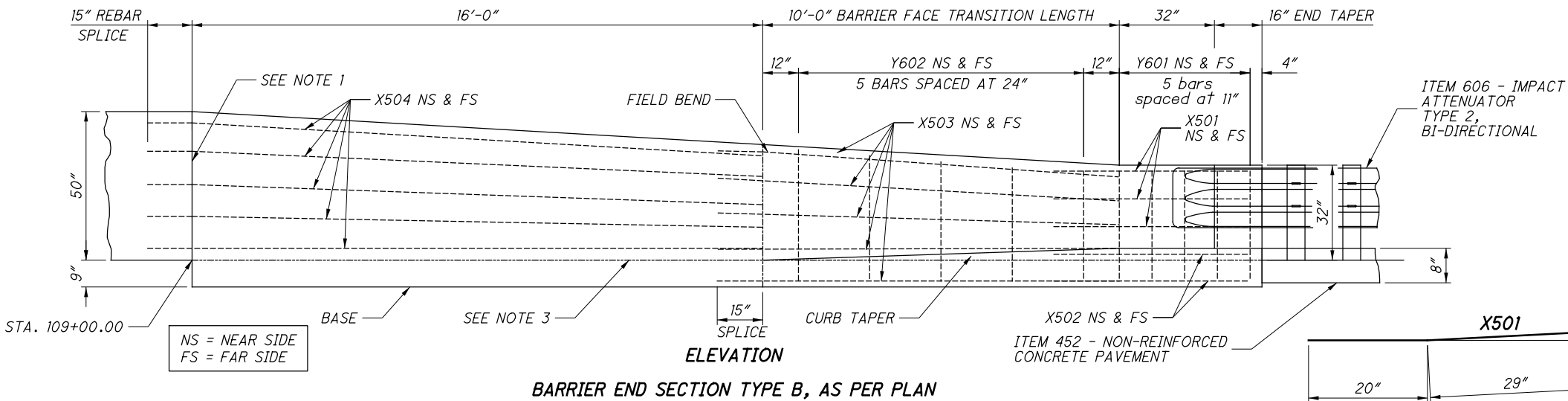
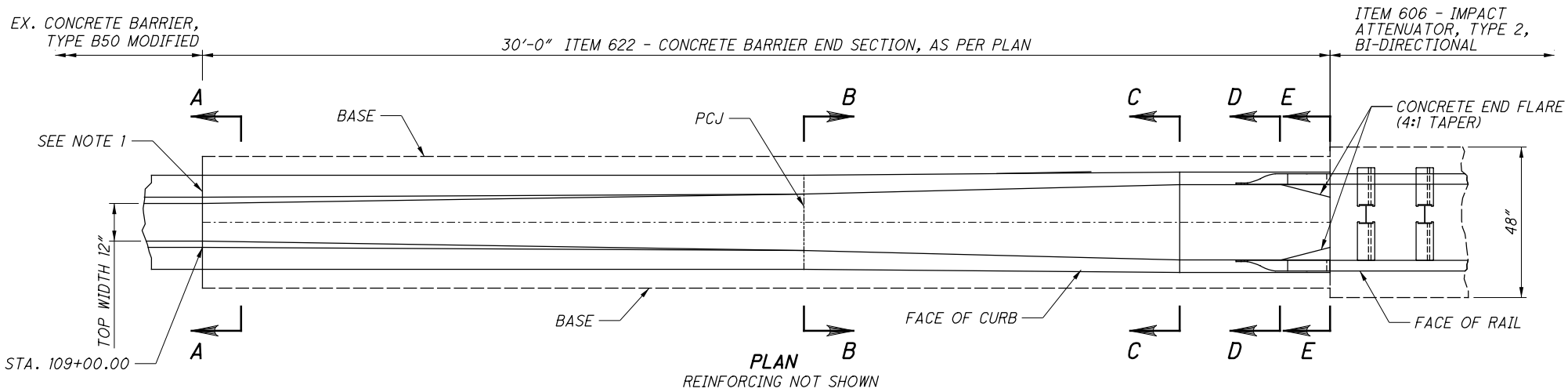
- Section 1 (Top):** Station 13+28.10 RT, Vertical Curve 13+28.10 RT. The profile shows a proposed grade (PR. GRADE) and existing ground (EX. GROUND). The PR. GRADE has a 9.86% slope, followed by a 2.00% slope, and then a 2.00%+ slope. The EX. GROUND has a 2.00%+ slope. The vertical curve is labeled 13+28.10 RT.
- Section 2:** Station 13+16.85 RT, Vertical Curve 13+16.85 RT. The profile shows a proposed grade (PR. GRADE) and existing ground (EX. GROUND). The PR. GRADE has a 10.62% slope, followed by a 2.00% slope, and then a 3.88% slope. The EX. GROUND has a 3.88% slope. The vertical curve is labeled 13+16.85 RT.
- Section 3:** Station 12+79.50 RT, Vertical Curve 12+79.50 RT. The profile shows a proposed grade (PR. GRADE) and existing ground (EX. GROUND). The PR. GRADE has a 10.21% slope, followed by a 2.00% slope, and then a 7.00% slope. The EX. GROUND has a 7.00%+ slope. The vertical curve is labeled 12+79.50 RT.
- Section 4:** Station 12+46.22 RT, Vertical Curve 12+46.22 RT. The profile shows a proposed grade (PR. GRADE) and existing ground (EX. GROUND). The PR. GRADE has a 7.73% slope, followed by a 2.00% slope, and then a 4.97%+ slope. The EX. GROUND has a 4.97%+ slope. The vertical curve is labeled 12+46.22 RT.

The drawing is on a grid with stationing from -65 to 60 and elevations from 665 to 685. The vertical curve labels are 13+28.10 RT, 13+16.85 RT, 12+79.50 RT, and 12+46.22 RT. The stationing labels are 13+28.10 RT, 13+16.85 RT, 12+79.50 RT, and 12+46.22 RT. The vertical curve labels are 13+28.10 RT, 13+16.85 RT, 12+79.50 RT, and 12+46.22 RT.

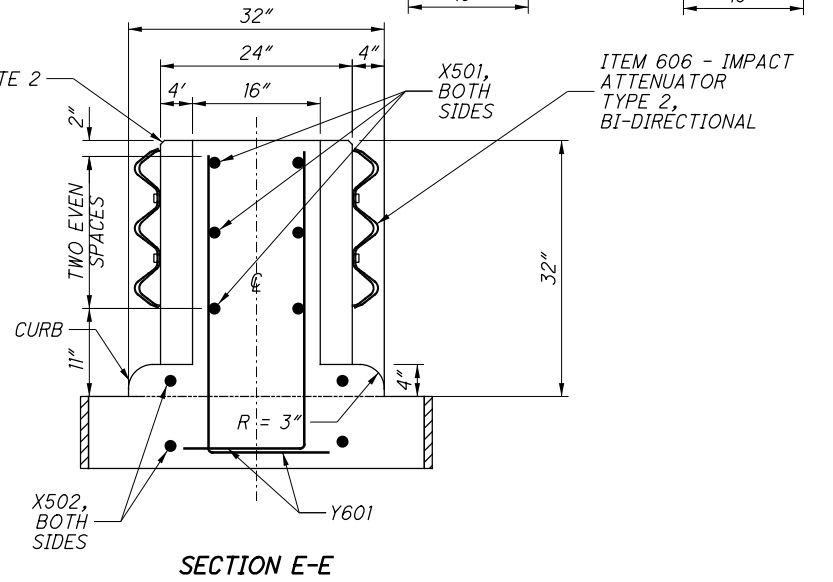
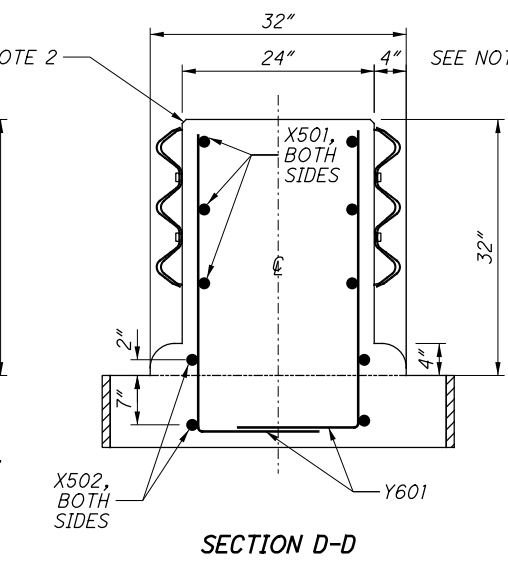
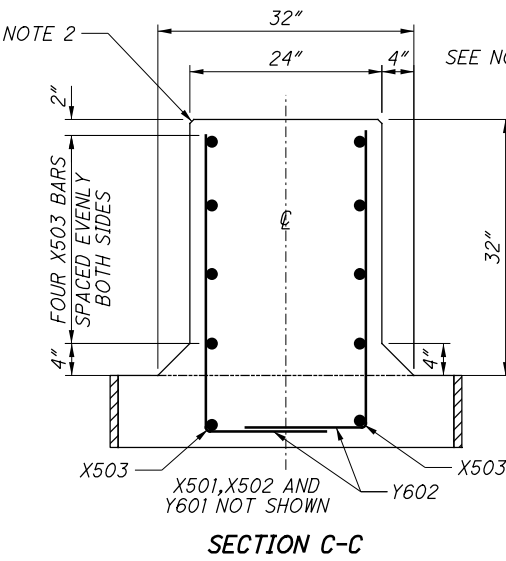
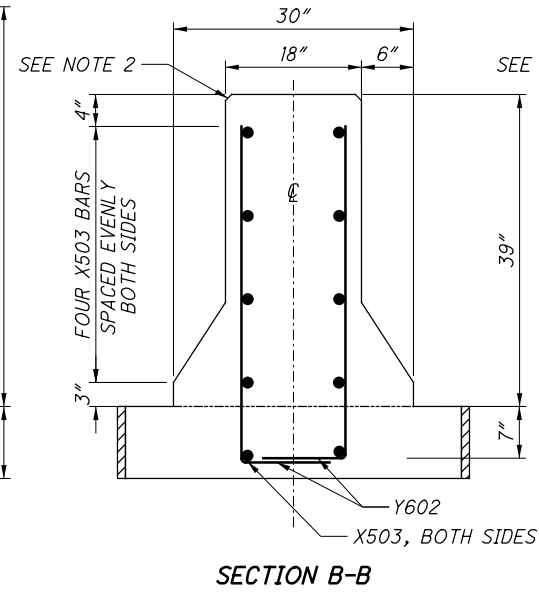
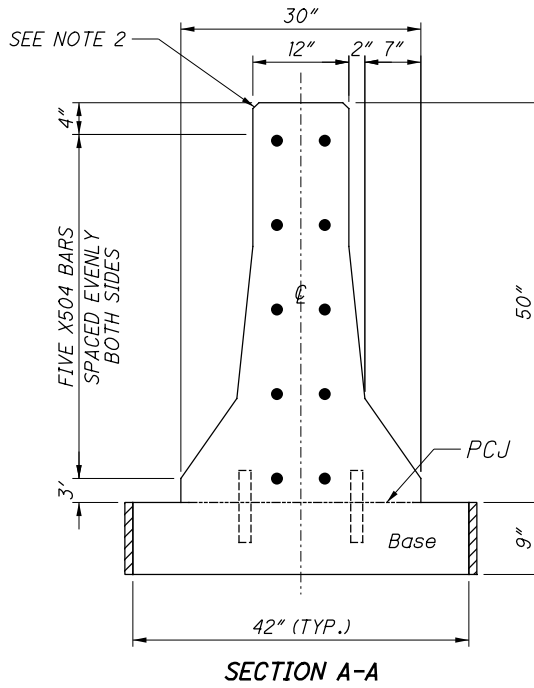
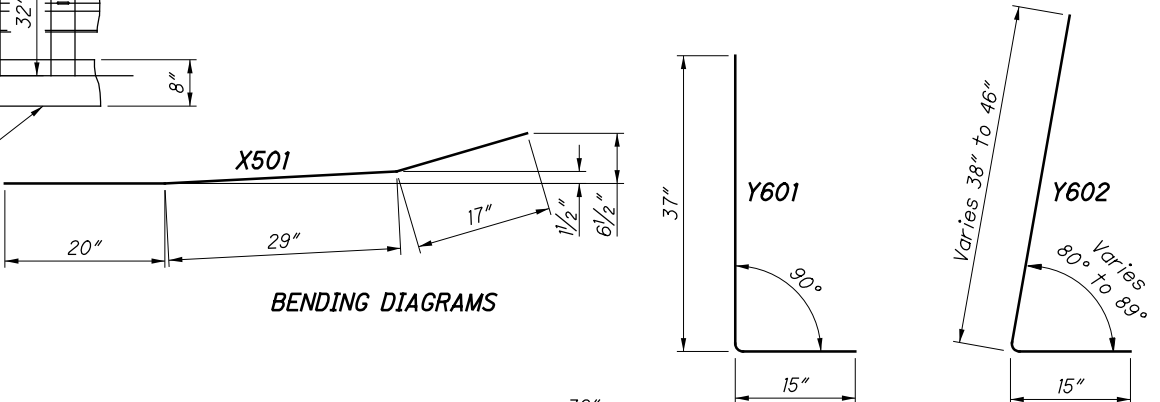
[illegible]



END		AREA		VOLUME		CALCULATED	CHECKED	SM
CUT	FILL	CUT	FILL	CUT	FILL			



TYPE B STEEL LIST				
MARK	BAR	SHAPE	NO.	LENGTH
X501	#5	BENT	6	5'-6"
X502	#5	STRAIGHT	4	5'-6"
X503	#5	STRAIGHT	10	11'-1"
X504	#5	STRAIGHT	10	17'-2"
Y601	#6	BENT	10	4'-2"
Y602	#6	BENT	2 SERIES OF 5	VARIES 4'-3" TO 5'-3"



- NOTES**
- CONTRACTION JOINT. SEE NOTED ON SCD RM-4.3. PROVIDE REBAR COVER OF 3-1/2".
 - PROVIDE 3/4" CHAMFER AT TOP EDGES OF BARRIER WALL.
 - PERMISSIBLE CONSTRUCTION JOINT (PCJ). IN THE UNREINFORCED BASE SECTION, BARRIER MAY BE PLACED ON TOP OF THE CONCRETE BASE IF DOWELED AS SHOWN ON SCD RM-4.3.
 - PROVIDE IMPACT ATTENUATOR, TYPE 2, BI-DIRECTIONAL. SEE GENERAL NOTES FOR IMPACT ATTENUATOR DETAIL.
 - BARRIER FACE TRANSITIONS: TO PREVENT VEHICLE SNAGGING, SMOOTH TRANSITIONS FROM VERTICAL FACES TO THE EXISTING WALL SLOPE FACES ARE MADE OVER A 10' DISTANCE.

NO.	DATE	DESCRIPTION
0	2018-07-29	RFC
ISSUE RECORD		

NOTE:
PROPOSED R/W ON GCRTA AND CITY OF SHAKER HEIGHTS
PARCELS IS APPROXIMATED FOR INFORMATIONAL PURPOSES
ONLY. FUTURE R/W TO BE DETERMINED AT A LATER DATE.

STRUCTURE KEY

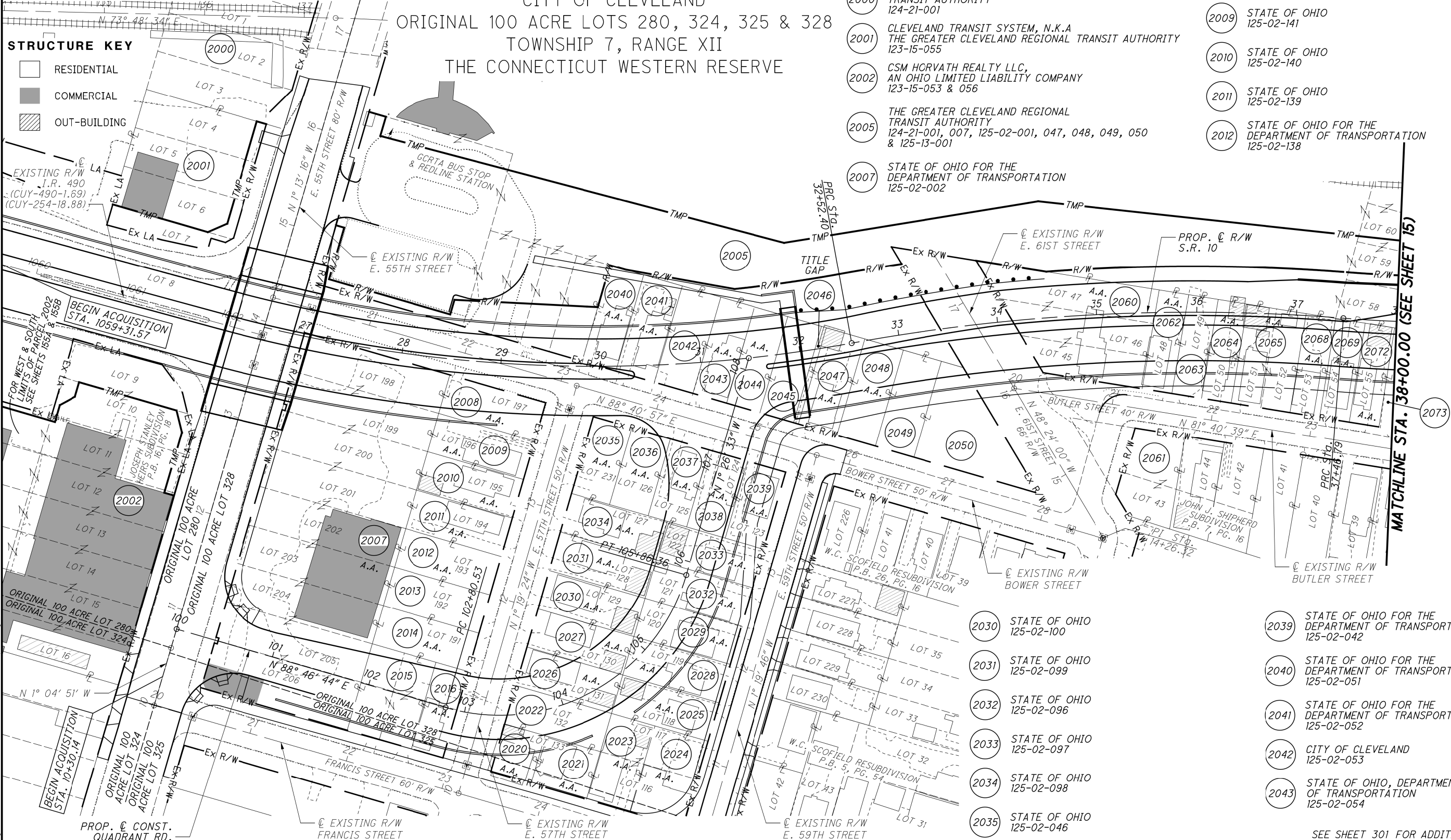
- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

CUYAHOGA COUNTY
CITY OF CLEVELAND
ORIGINAL 100 ACRE LOTS 280, 324, 325 & 328
TOWNSHIP 7, RANGE XII
THE CONNECTICUT WESTERN RESERVE

OWNERSHIP NAME AND NUMBER

- 2000 THE GREATER CLEVELAND REGIONAL TRANSIT AUTHORITY 124-21-001
- 2001 CLEVELAND TRANSIT SYSTEM, N.K.A THE GREATER CLEVELAND REGIONAL TRANSIT AUTHORITY 123-15-055
- 2002 CSM HORVATH REALTY LLC, AN OHIO LIMITED LIABILITY COMPANY 123-15-053 & 056
- 2005 THE GREATER CLEVELAND REGIONAL TRANSIT AUTHORITY 124-21-001, 007, 125-02-001, 047, 048, 049, 050 & 125-13-001
- 2007 STATE OF OHIO FOR THE DEPARTMENT OF TRANSPORTATION 125-02-002

- 2008 STATE OF OHIO FOR THE DEPARTMENT OF TRANSPORTATION 125-02-142
- 2009 STATE OF OHIO 125-02-141
- 2010 STATE OF OHIO 125-02-140
- 2011 STATE OF OHIO 125-02-139
- 2012 STATE OF OHIO FOR THE DEPARTMENT OF TRANSPORTATION 125-02-138



- 2013 CITY OF CLEVELAND LAND REUTILIZATION PROGRAM 125-02-137
- 2014 CITY OF CLEVELAND, LAND REUTILIZATION PROGRAM 125-02-136
- 2015 CITY OF CLEVELAND LAND REUTILIZATION PROGRAM 125-02-143 & 125-02-144
- 2016 STATE OF OHIO 125-02-145
- 2020 STATE OF OHIO 125-02-104
- 2021 STATE OF OHIO 125-02-156

- 2022 CITY OF CLEVELAND, LAND REUTILIZATION PROGRAM 125-02-103
- 2023 STATE OF OHIO 125-02-146
- 2024 STATE OF OHIO 125-02-147
- 2025 STATE OF OHIO 125-02-093

- 2026 STATE OF OHIO 125-02-102
- 2027 STATE OF OHIO 125-02-101
- 2028 STATE OF OHIO 125-02-094
- 2029 STATE OF OHIO 125-02-095

- 2030 STATE OF OHIO 125-02-100
- 2031 STATE OF OHIO 125-02-099
- 2032 STATE OF OHIO 125-02-096
- 2033 STATE OF OHIO 125-02-097
- 2034 STATE OF OHIO 125-02-098
- 2035 STATE OF OHIO 125-02-046
- 2036 STATE OF OHIO 125-02-045
- 2037 STATE OF OHIO 125-02-044
- 2038 STATE OF OHIO 125-02-043

- 2039 STATE OF OHIO FOR THE DEPARTMENT OF TRANSPORTATION 125-02-042
- 2040 STATE OF OHIO FOR THE DEPARTMENT OF TRANSPORTATION 125-02-051
- 2041 STATE OF OHIO FOR THE DEPARTMENT OF TRANSPORTATION 125-02-052
- 2042 CITY OF CLEVELAND 125-02-053
- 2043 STATE OF OHIO, DEPARTMENT OF TRANSPORTATION 125-02-054

SEE SHEET 301 FOR ADDITIONAL OWNERSHIP NAMES AND NUMBERS.

A.A. - ADVANCED ACQUISITION

NO.	DATE	DESCRIPTION
0	2019-07-29	RFC
ISSUE RECORD		

ADDITIONAL OWNERSHIP NAME AND NUMBER FOR SHEET 300

- 2044

STATE OF OHIO
125-02-055
- 2045

CITY OF CLEVELAND, OHIO, "LAND
REUTILIZATION PROGRAM"
125-02-056
- 2046

CHARLES W. SCOFIELD (1/3 INT.), ASSUMED DECEASED
FRANK R. SCOFIELD (1/3 INT.), DECEASED
GEORGE B. SCOFIELD (1/3 INT.), DECEASED
125-02-157
- 2047

STATE OF OHIO
125-02-057
- 2048

THOMAS E. NOWAK (2/7 INT.)
SUSAN M. DUDEK (2/7 INT.)
DONNA M. NOWAK (2/7 INT.)
MARGARET E. NOWAK (1/7 INT.)
125-02-058
- 2049

CITY OF CLEVELAND
LAND REUTILIZATION PROGRAM
125-02-059
- 2050

CITY OF CLEVELAND, OHIO
"LAND REUTILIZATION PROGRAM"
125-02-060
- 2060

STATE OF OHIO
125-01-001
- 2061

CLEVELAND LAND REUTILIZATION
PROGRAM
125-01-054
- 2062

STATE OF OHIO
125-01-053
- 2063

CITY OF CLEVELAND,
LAND REUTILIZATION PROGRAM
125-01-052
- 2064

STATE OF OHIO
125-01-051
- 2065

STATE OF OHIO
125-01-049 & 050
- 2068

STATE OF OHIO
125-01-048
- 2069

STATE OF OHIO
125-01-047
- 2072

STATE OF OHIO FOR THE
DEPARTMENT OF TRANSPORTATION
125-01-046
- 2073

CITY OF CLEVELAND
LAND REUTILIZATION PROGRAM
125-01-045

0	2019-07-29	RFC
NO.	DATE	DESCRIPTION
ISSUE RECORD		

CUY-IR490/ SR010-
2.09 / 19.28

301
303

PROPERTY MAP

CALCULATED

CHECKED

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25

50

100

HORIZONTAL
SCALE IN FEET

RECORD PLANS

RECORD PLANS

0	2019-07-29	RFC
NO.	DATE	DESCRIPTION
ISSUE RECORD		

BU-14 - ROADWAY & PAVEMENT. BEGIN PROJECT TO KINGSBURY RUN
...\\Sheets\\BU-14\\96833_RM004.dgn 7/26/2019 4:31:53 PM Joseph.Hogan

ADDITIONAL OWNERSHIP NAME AND NUMBER FOR SHEET 302

- 2005

THE GREATER CLEVELAND REGIONAL
TRANSIT AUTHORITY
124-21-001, 007, 125-02-001, 047, 048, 049, 050
& 125-13-001
- 2073

CITY OF CLEVELAND
LAND REUTILIZATION PROGRAM
125-01-045
- 2076

ABRAHAM COOK
125-01-044
- 2081

STATE OF OHIO
125-01-041
- 2082

STATE OF OHIO
125-01-040
- 2083

STATE OF OHIO
125-01-039
- 2084

STATE OF OHIO
125-01-038
- 2087

THE CITY OF SHAKER HEIGHTS,
AN OHIO MUNICIPAL CORPORATION
124-21-007
- 2089

STATE OF OHIO FOR THE
DEPARTMENT OF TRANSPORTATION
125-17-001
- 2090

CITY OF CLEVELAND
LAND REUTILIZATION PROGRAM
125-17-002
- 2096

STATE OF OHIO
125-17-003
- 2097

DR. WM MEYER (1/2 INT.), DECEASED
JOHN THOMAN (1/2 INT.), DECEASED
125-17-004
- 2098

CITY OF CLEVELAND, OHIO,
"LAND REUTILIZATION PROGRAM"
125-17-005, 006 & 007
- 2099

THE CITY OF CLEVELAND,
LAND REUTILIZATION PROGRAM
125-17-008, 009 & 010
- 2100

CITY OF CLEVELAND, OHIO,
"LAND REUTILIZATION PROGRAM"
125-17-011
- 2101

CLEVELAND LAND REUTILIZATION
PROGRAM
125-17-012
- 2102

CITY OF CLEVELAND
LAND REUTILIZATION PROGRAM
125-17-013
- 2103

THE CITY OF CLEVELAND, A
MUNICIPAL CORPORATION
125-17-014 & 015
- 2104

CITY OF CLEVELAND, OHIO,
"LAND REUTILIZATION PROGRAM"
125-17-033 & 034
- 2105

CITY OF CLEVELAND, OHIO,
"LAND REUTILIZATION PROGRAM"
125-17-035
- 2106

CITY OF CLEVELAND, OHIO,
"LAND REUTILIZATION PROGRAM" (1/2 INT.)
NUNZIATA ORITI (1/2 INT.), DECEASED
125-17-036
- 2107

CITY OF CLEVELAND, OHIO,
"LAND REUTILIZATION PROGRAM"
125-17-041, 042 & 043

- 2108

STATE OF OHIO FOR THE
DEPARTMENT OF TRANSPORTATION
125-17-037
- 2109

STATE OF OHIO FOR THE
DEPARTMENT OF TRANSPORTATION
125-17-038
- 2110

CITY OF CLEVELAND
LAND REUTILIZATION PROGRAM
125-17-039
- 2121

STATE OF OHIO
125-17-040
- 2122

CITY OF CLEVELAND, OHIO LAND BANK
125-17-044
- 2123

CITY OF CLEVELAND LB 95
125-17-045
- 2124

CITY OF CLEVELAND
LAND REUTILIZATION PROGRAM
125-17-046 & 047
- 2125

THE ZONE, LLC, AN OHIO
LIMITED LIABILITY COMPANY
125-17-048, 050 & 051
- 2128

CITY OF CLEVELAND, OHIO,
"LAND REUTILIZATION PROGRAM"
125-17-068
- 2129

CITY OF CLEVELAND
LAND REUTILIZATION PROGRAM
125-17-052
- 2152

THE GREATER CLEVELAND REGIONAL
TRANSIT AUTHORITY
124-22-006

0	2019-07-29	RFC
NO.	DATE	DESCRIPTION
ISSUE RECORD		

CALCULATED

CHECKED

0

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100

25

HORIZONTAL

SCALE IN FEET

PROPERTY MAP

CUY-IR490/ SR010-
2.09 / 19.28

303
303

RECORD PLANS

RECORD PLANS