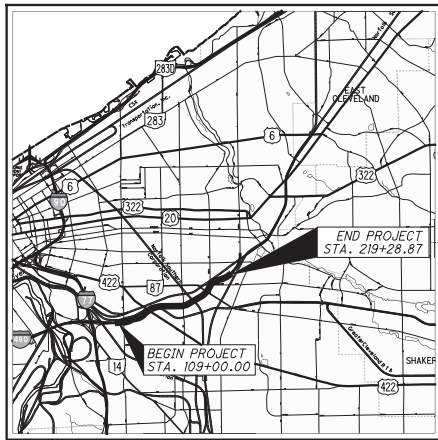


BU-14 - ROADWAY & PAVEMENT - BEGIN PROJECT TO KINGSBURY RUN
 ...BU-14_968333_G104.dgn 1/27/2020 3:23:53 PM Gregory.Hertler



LOCATION MAP

LATITUDE: 41°29'08" LONGITUDE: 81°37'22"

SCALE IN MILES



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

DESIGN DESIGNATION

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

DESIGN EXCEPTIONS

NONE

UNDERGROUND UTILITIES
 CONTACT BOTH SERVICES TWO WORKING DAYS BEFORE YOU DIG.

OHIO Utilities Protection SERVICE
 Call Before You Dig
 1-800-362-2764
 (Non-members must be called directly)

OIL & GAS PRODUCERS UNDERGROUND PROTECTION SERVICE
 1-800-925-0988

The Kokosing Design-Build Team
 Kokosing | Michael Baker | Richland Engineering | Brownstone Realty

STATE OF OHIO
 DEPARTMENT OF TRANSPORTATION
CUY-IR490/ SR010-2.09 / 19.28
 CITY OF CLEVELAND
 CUYAHOGA COUNTY

INDEX OF SHEETS:

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

ENGINEERS SEAL:

 SIGNED: *Sean McRoy*
 DATE: 07/29/2019
 ENGINEERS SEAL:
 SIGNED:
 DATE:

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	07/18/13	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	07/18/13	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											

NO.	DATE	DESCRIPTION	ISSUE RECORD
1	2020-01-03	DCO27 David & Reinhardt	
0	2019-07-29	RFC	

AMENDED FOR CONSTRUCTION
 RELEASED FOR CONSTRUCTION

FEDERAL PROJECT NO. E140 (249)
 PID NO. 96833
 CONSTRUCTION PROJECT NO. 17-3000
 RAILROAD INVOLVEMENT NORFOLK SOUTHERN GCRTA
 CUY-IR490/ SR010-2.09 / 19.28
 303

ISSUE NO.	RECORD DATE	PAGE NO.	SHEET TITLE
1	2020-01-03	1	TITLE SHEET
6	2020-06-19	2	INDEX OF SHEETS (1 OF 3)
0	2019-07-29	3	INDEX OF SHEETS (2 OF 3)
2	2020-05-20	4	INDEX OF SHEETS (3 OF 3)
0	2019-07-29	5	SCHEMATIC PLAN - O.C. BLVD.: BEGIN PROJECT TO STA. 128+00.00
0	2019-07-29	6	SCHEMATIC PLAN - O.C. BLVD.: STA. 128+00.00 TO STA. 155+00.00
0	2019-07-29	7	SCHEMATIC PLAN - O.C. BLVD.: STA. 155+00.00 TO STA. 177+00.00
0	2019-07-29	8	SCHEMATIC PLAN - O.C. BLVD.: STA. 177+00.00 TO STA. 202+00.00
0	2019-07-29	9	SCHEMATIC PLAN - O.C. BLVD.: STA. 202+00.00 TO END PROJECT
0	2019-07-29	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
0	2019-07-29	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
1	2020-06-19	21	PROPOSED TYPICAL SECTIONS
0	2019-07-29	22	PROPOSED SUBGRADE TREATMENT
0	2019-07-29	23	GENERAL NOTES
1	2020-01-03	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
0	2019-07-29	29	PLAN - OPPORTUNITY CORRIDOR BLVD.: STA. 109+00.00 TO STA. 114+00.00
0	2019-07-29	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
0	2019-07-29	33	PLAN - OPPORTUNITY CORRIDOR BLVD.: STA. 119+00.00 TO STA. 124+00.00
0	2019-07-29	34	PROFILE - OPPORTUNITY CORRIDOR BLVD.: STA. 119+00.00 TO STA. 124+00.00
2	2020-05-20	35	PLAN - OPPORTUNITY CORRIDOR BLVD.: STA. 124+00.00 TO STA. 129+00.00
0	2019-07-29	36	PROFILE - OPPORTUNITY CORRIDOR BLVD.: STA. 124+00.00 TO STA. 129+00.00
0	2019-07-29	37	PLAN - OPPORTUNITY CORRIDOR BLVD.: STA. 129+00.00 TO STA. 134+00.00
0	2019-07-29	38	PROFILE - OPPORTUNITY CORRIDOR BLVD.: STA. 129+00.00 TO STA. 134+00.00
0	2019-07-29	39	PLAN - OPPORTUNITY CORRIDOR BLVD.: STA. 134+00.00 TO STA. 139+00.00
0	2019-07-29	40	PROFILE - OPPORTUNITY CORRIDOR BLVD.: STA. 134+00.00 TO STA. 139+00.00
1	2020-01-08	41	PLAN - OPPORTUNITY CORRIDOR BLVD.: STA. 139+00.00 TO STA. 144+00.00
0	2019-07-29	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
0	2019-07-29	53	PLAN - QUADRANT RD.: BEGIN TO STA. 103+50.00
0	2019-07-29	54	PROFILE - QUADRANT RD.: BEGIN TO STA. 103+50.00
0	2019-07-29	55	PLAN - QUADRANT RD.: STA. 103+50.00 TO END

ISSUE NO.	RECORD DATE	PAGE NO.	SHEET TITLE
0	2019-07-29	56	PROFILE - QUADRANT RD.: STA. 103+50.00 TO END
0	2019-07-29	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
2	2020-05-20	59	PLAN - E. 55TH ST.: STA. 12+00.00 TO STA. 17+00.00
0	2019-07-29	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
1	2020-01-08	63	PLAN - E. 59TH ST.
0	2019-07-29	64	PROFILE - E. 59TH ST.
0	2019-07-29	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
0	2019-07-29	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
0	2019-07-29	72	DEMOLITION PLAN - E. 55TH ST. / FRANCIS AVE.
0	2019-07-29	73	DEMOLITION PLAN - E. 55TH ST. / BOWER AVE.
0	2019-07-29	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.
0	2019-07-29	76	DEMOLITION PLAN - E. 61ST ST. / BOWER AVE. / BUTLER AVE.
0	2019-07-29	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
0	2019-07-29	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
0	2019-07-29	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
0	2019-07-29	104	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 123+00.00 TO STA. 123+25.00
0	2019-07-29	105	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 123+50.00 TO STA. 123+75.00
0	2019-07-29	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
0	2019-07-29	108	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 125+00.00 TO STA. 125+25.00
0	2019-07-29	109	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 125+50.00 TO STA. 125+75.00
0	2019-07-29	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			
1	2019-12-04	DC024			
0	2019-07-29	RFC			
NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION
		ISSUE RECORD			ISSUE RECORD
			6	2020-06-19	DC043 David R. Pouchart
			5	2020-05-20	DC039

RELEASED FOR CONSTRUCTION

ISSUE NO.	RECORD DATE	PAGE NO.	SHEET TITLE
0	2019-07-29	111	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 126+50.00 TO STA. 126+75.00
0	2019-07-29	112	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 127+00.00 TO STA. 127+25.00
0	2019-07-29	113	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 127+50.00 TO STA. 127+75.00
0	2019-07-29	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
0	2019-07-29	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
0	2019-07-29	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
0	2019-07-29	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
0	2019-07-29	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
0	2019-07-29	139	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 139+50.00 TO STA. 139+75.00
0	2019-07-29	140	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 140+00.00 TO STA. 140+25.00
0	2019-07-29	141	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 140+50.00 TO STA. 140+75.00
0	2019-07-29	142	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 141+00.00
0	2019-07-29	143	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 141+25.00
0	2019-07-29	144	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 141+50.00
0	2019-07-29	145	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 141+75.00
0	2019-07-29	146	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.: STA. 142+00.00
0	2019-07-29	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
0	2019-07-29	157	CROSS SECTIONS - RAMP S-E: STA. 308+00.00 TO STA. 308+25.00
0	2019-07-29	158	CROSS SECTIONS - RAMP S-E: STA. 308+50.00 TO STA. 308+75.00
0	2019-07-29	159	CROSS SECTIONS - RAMP S-E: STA. 309+00.00 TO STA. 309+25.00
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
0	2019-07-29	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
0	2019-07-29	176	CROSS SECTIONS - QUADRANT RD.: STA. 100+00.00 TO STA. 100+50.00
0	2019-07-29	177	CROSS SECTIONS - QUADRANT RD.: STA. 100+75.00 TO STA. 101+25.00
0	2019-07-29	178	CROSS SECTIONS - QUADRANT RD.: STA. 101+50.00 TO STA. 102+00.00
0	2019-07-29	179	CROSS SECTIONS - QUADRANT RD.: STA. 102+25.00 TO STA. 102+50.00
0	2019-07-29	180	CROSS SECTIONS - QUADRANT RD.: STA. 102+75.00 TO STA. 103+25.00
0	2019-07-29	181	CROSS SECTIONS - QUADRANT RD.: STA. 103+50.00 TO STA. 103+75.00
0	2019-07-29	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
0	2019-07-29	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
0	2019-07-29	186	CROSS SECTIONS - QUADRANT RD.: STA. 106+00.00 TO STA. 106+25.00
0	2019-07-29	187	CROSS SECTIONS - QUADRANT RD.: STA. 106+50.00 TO STA. 106+75.00
0	2019-07-29	188	CROSS SECTIONS - QUADRANT RD.: STA. 107+00.00 TO STA. 107+25.00
0	2019-07-29	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
0	2019-07-29	192	CROSS SECTIONS - E. 55TH ST.: STA. 9+34.00 TO STA. 9+50.00
0	2019-07-29	193	CROSS SECTIONS - E. 55TH ST.: STA. 9+75.00 TO STA. 10+00.00
0	2019-07-29	194	CROSS SECTIONS - E. 55TH ST.: STA. 10+25.00 TO STA. 10+50.00
0	2019-07-29	195	CROSS SECTIONS - E. 55TH ST.: STA. 10+75.00 TO STA. 11+00.00
0	2019-07-29	196	CROSS SECTIONS - E. 55TH ST.: STA. 11+25.00 TO STA. 11+50.00
0	2019-07-29	197	CROSS SECTIONS - E. 55TH ST.: STA. 11+75.00
0	2019-07-29	198	CROSS SECTIONS - E. 55TH ST.: STA. 12+00.00 TO STA. 12+25.00
0	2019-07-29	199	CROSS SECTIONS - E. 55TH ST.: STA. 12+50.00 TO STA. 12+75.00
0	2019-07-29	200	CROSS SECTIONS - E. 55TH ST.: STA. 13+00.00 TO STA. 14+50.00
0	2019-07-29	201	CROSS SECTIONS - E. 55TH ST.: STA. 14+75.00 TO STA. 15+00.00
0	2019-07-29	202	CROSS SECTIONS - E. 55TH ST.: STA. 15+25.00 TO STA. 15+50.00
0	2019-07-29	203	CROSS SECTIONS - E. 55TH ST.: STA. 15+75.00 TO STA. 16+00.00
0	2019-07-29	204	CROSS SECTIONS - E. 55TH ST.: STA. 16+25.00 TO STA. 16+50.00
0	2019-07-29	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
0	2019-07-29	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
0	2019-07-29	212	CROSS SECTIONS - E. 59TH ST.: STA. 13+75.00 TO STA. 14+00.00
0	2019-07-29	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
0	2019-07-29	215	CROSS SECTIONS - SHARED-USE PATH: STA. 20+75.00 TO STA. 21+00.00
0	2019-07-29	216	CROSS SECTIONS - SHARED-USE PATH: STA. 21+25.00 TO STA. 21+50.00
0	2019-07-29	217	CROSS SECTIONS - SHARED-USE PATH: STA. 21+75.00 TO STA. 22+00.00
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0	2019-07-29	219	CROSS SECTIONS - SHARED-USE PATH: STA. 22+75.00 TO STA. 23+00.00
0	2019-07-29	220	CROSS SECTIONS - SHARED-USE PATH: STA. 23+25.00 TO STA. 23+50.00

0	2019-07-29	RFC	David X. Reinhardt
NO.	DATE	ISSUE	DESCRIPTION

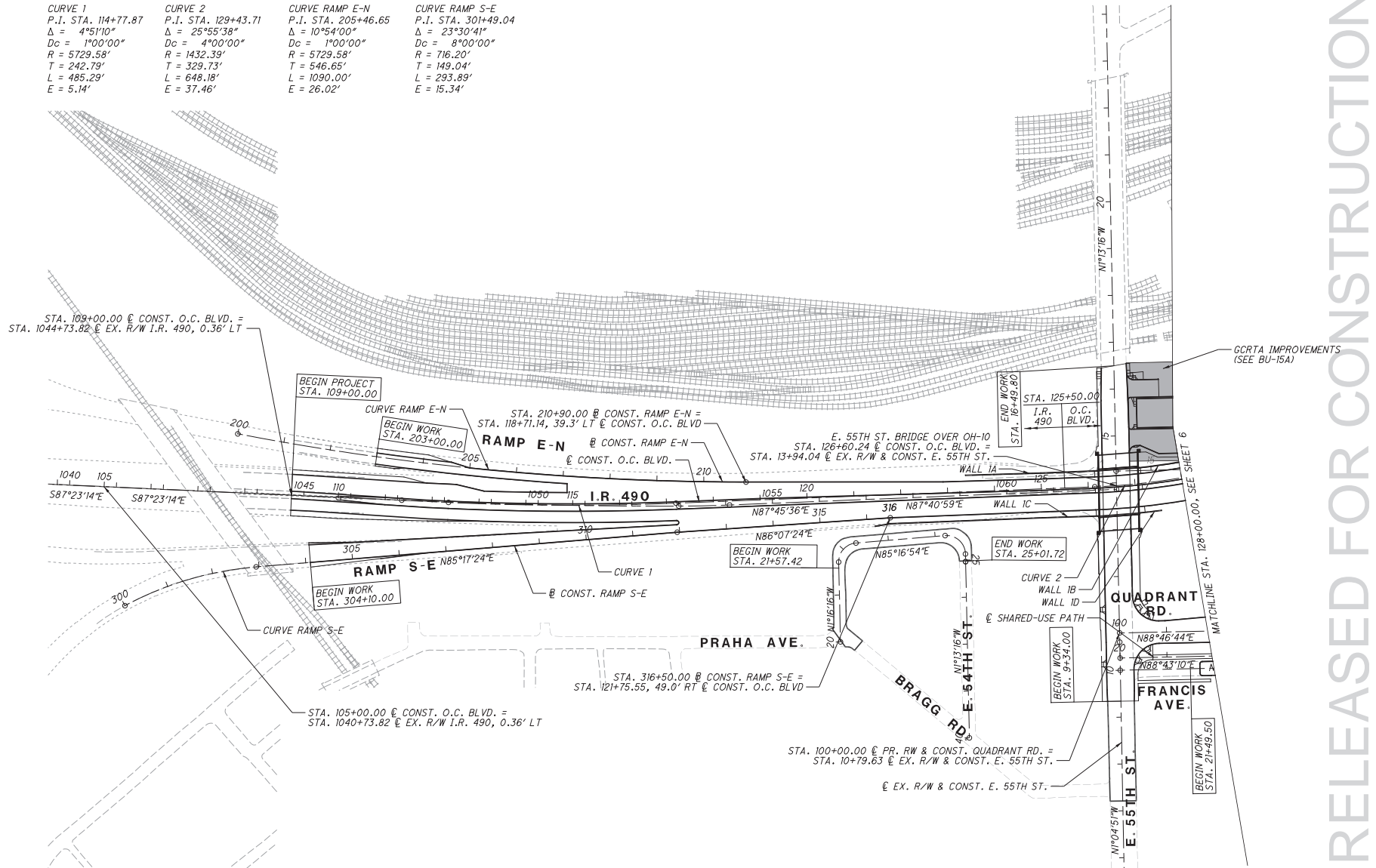
ISSUE NO.	RECORD DATE	PAGE NO.	SHEET TITLE
0	2019-07-29	221	CROSS SECTIONS - SHARED-USE PATH: STA. 23+75.00 TO STA. 24+00.00
0	2019-07-29	222	CROSS SECTIONS - SHARED-USE PATH: STA. 24+25.00 TO STA. 24+50.00
0	2019-07-29	223	CROSS SECTIONS - SHARED-USE PATH: STA. 24+75.00 TO STA. 25+00.00
0	2019-07-29	224	CROSS SECTIONS - SHARED-USE PATH: STA. 25+25.00 TO STA. 25+50.00
0	2019-07-29	225	CROSS SECTIONS - SHARED-USE PATH: STA. 25+75.00 TO STA. 26+00.00
0	2019-07-29	226	CROSS SECTIONS - SHARED-USE PATH: STA. 26+25.00 TO STA. 26+50.00
0	2019-07-29	227	CROSS SECTIONS - SHARED-USE PATH: STA. 26+75.00
0	2019-07-29	228	CROSS SECTIONS - SHARED-USE PATH: STA. 27+00.00
0	2019-07-29	229	CROSS SECTIONS - SHARED-USE PATH: STA. 27+25.00
0	2019-07-29	230	CROSS SECTIONS - SHARED-USE PATH: STA. 27+50.00
0	2019-07-29	231	CROSS SECTIONS - SHARED-USE PATH: STA. 27+75.00
0	2019-07-29	232	CROSS SECTIONS - SHARED-USE PATH: STA. 28+00.00
0	2019-07-29	233	CROSS SECTIONS - SHARED-USE PATH: STA. 28+25.00
0	2019-07-29	234	CROSS SECTIONS - SHARED-USE PATH: STA. 28+50.00
0	2019-07-29	235	CROSS SECTIONS - SHARED-USE PATH: STA. 28+75.00
0	2019-07-29	236	CROSS SECTIONS - SHARED-USE PATH: STA. 29+00.00
0	2019-07-29	237	CROSS SECTIONS - SHARED-USE PATH: STA. 29+25.00
0	2019-07-29	238	CROSS SECTIONS - SHARED-USE PATH: STA. 29+50.00
0	2019-07-29	239	CROSS SECTIONS - SHARED-USE PATH: STA. 29+75.00
0	2019-07-29	240	CROSS SECTIONS - SHARED-USE PATH: STA. 30+00.00
0	2019-07-29	241	CROSS SECTIONS - SHARED-USE PATH: STA. 30+25.00
0	2019-07-29	242	CROSS SECTIONS - SHARED-USE PATH: STA. 30+50.00
0	2019-07-29	243	CROSS SECTIONS - SHARED-USE PATH: STA. 30+75.00
0	2019-07-29	244	CROSS SECTIONS - SHARED-USE PATH: STA. 31+00.00
0	2019-07-29	245	CROSS SECTIONS - SHARED-USE PATH: STA. 31+25.00
0	2019-07-29	246	CROSS SECTIONS - SHARED-USE PATH: STA. 31+50.00
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0	2019-07-29	248	CROSS SECTIONS - SHARED-USE PATH: STA. 32+00.00
0	2019-07-29	249	CROSS SECTIONS - SHARED-USE PATH: STA. 32+25.00
0	2019-07-29	250	CROSS SECTIONS - SHARED-USE PATH: STA. 32+50.00
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0	2019-07-29	254	CROSS SECTIONS - SHARED-USE PATH: STA. 33+50.00 TO STA. 33+75.00
0	2019-07-29	255	CROSS SECTIONS - SHARED-USE PATH: STA. 34+00.00 TO STA. 34+25.00
0	2019-07-29	256	CROSS SECTIONS - SHARED-USE PATH: STA. 34+50.00 TO STA. 34+75.00
0	2019-07-29	257	CROSS SECTIONS - SHARED-USE PATH: STA. 35+00.00 TO STA. 35+25.00
0	2019-07-29	258	CROSS SECTIONS - SHARED-USE PATH: STA. 35+50.00 TO STA. 35+75.00
0	2019-07-29	259	CROSS SECTIONS - SHARED-USE PATH: STA. 36+00.00 TO STA. 36+25.00
0	2019-07-29	260	CROSS SECTIONS - SHARED-USE PATH: STA. 36+50.00 TO STA. 36+75.00
0	2019-07-29	261	CROSS SECTIONS - SHARED-USE PATH: STA. 37+00.00 TO STA. 37+25.00
0	2019-07-29	262	CROSS SECTIONS - SHARED-USE PATH: STA. 37+50.00 TO STA. 37+75.00
0	2019-07-29	263	CROSS SECTIONS - SHARED-USE PATH: STA. 38+00.00 TO STA. 38+25.00
0	2019-07-29	264	CROSS SECTIONS - SHARED-USE PATH: STA. 38+50.00
0	2019-07-29	265	CROSS SECTIONS - SHARED-USE PATH: STA. 38+75.00
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0	2019-07-29	267	CROSS SECTIONS - SHARED-USE PATH: STA. 39+25.00
0	2019-07-29	268	CROSS SECTIONS - SHARED-USE PATH: STA. 39+50.00
0	2019-07-29	269	CROSS SECTIONS - E. 59TH ST. PATH: STA. 11+25.00
0	2019-07-29	270	CROSS SECTIONS - E. 59TH ST. PATH: STA. 11+25.25
0	2019-07-29	271	CROSS SECTIONS - E. 59TH ST. PATH: STA. 11+50.00 TO STA. 11+75.00
0	2019-07-29	272	CROSS SECTIONS - E. 59TH ST. PATH: STA. 12+00.00 TO STA. 12+25.00
0	2019-07-29	273	CROSS SECTIONS - E. 59TH ST. PATH: STA. 12+50.00 TO STA. 12+75.00
0	2019-07-29	274	CROSS SECTIONS - E. 59TH ST. PATH: STA. 13+00.00 TO STA. 13+25.00
0	2019-07-29	275	CROSS SECTIONS - E. 59TH ST. PATH: STA. 13+50.00 TO STA. 13+75.00

ISSUE NO.	RECORD DATE	PAGE NO.	SHEET TITLE
0	2019-07-29	276	SUPERELEVATION TABLE - I.R. 490 EB
0	2019-07-29	277	SUPERELEVATION TABLE - I.R. 490 WB
0	2019-07-29	278	RAMP TERMINAL DETAIL - RAMP E-N
0	2019-07-29	279	RAMP TERMINAL DETAIL - RAMP S-E
0	2019-07-29	280	BROST FOUNDRY ELEVATION DETAIL
0	2019-07-29	281	INTERSECTION DETAIL - O.C. BLVD. & QUADRANT RD.
0	2019-07-29	282	INTERSECTION DETAIL - E. 55TH ST. & QUADRANT RD.
1	2020-05-20	283	INTERSECTION DETAIL - E. 55TH ST. & GCRTA LOT
0	2019-07-29	284	INTERSECTION DETAIL - FRANCIS AVE. & E. 57TH ST.
0	2019-07-29	285	INTERSECTION DETAIL - FRANCIS AVE. & E. 59TH ST.
0	2019-07-29	286	INTERSECTION DETAIL - BOWER AVE. & E. 59TH ST.
0	2019-07-29	287	INTERSECTION DETAIL - BUTLER AVE. & E. 61ST. ST.
0	2019-07-29	288	INTERSECTION DETAIL - BUTLER AVE. & E. 64TH ST.
0	2019-07-29	289	PARKING LOT DETAIL - CONSTRUCTION SEQUENCE
0	2019-07-29	290	PARKING LOT DETAIL - BROST FOUNDRY: INTERIM
0	2019-07-29	291	PARKING LOT DETAIL - CONSTRUCTION SEQUENCE II
0	2019-07-29	292	PARKING LOT DETAIL - BROST FOUNDRY: FINAL
0	2019-07-29	293	GRADING PLAN - QUADRANT INFIELD
0	2019-07-29	294	GRADING PLAN - WALL 1A
0	2019-07-29	295	GRADING PLAN - WALL 1B / WALL 1E / E. 59TH ST. PATH
0	2019-07-29	296	DRIVE DETAILS
0	2019-07-29	297	DRIVE PROFILES - E. 55TH ST.
0	2019-07-29	298	DRIVE PROFILES - E. 59TH ST.
0	2020-01-08	298A	GEOBLOCK DRIVEWAY PROFILES - O.C. BLVD. & GCRTA PROPERTY
0	2019-07-29	299	ROADWAY DETAILS - BARRIER TRANSITION DETAILS
0	2019-07-29	300	PROPERTY MAP
0	2019-07-29	301	PROPERTY MAP
0	2019-07-29	302	PROPERTY MAP
0	2019-07-29	303	PROPERTY MAP

AMENDED FOR CONSTRUCTION

NO.	DATE	DESCRIPTION
2	2020-05-20	DCO39 David X. Roushant
1	2020-01-08	DCO28
0	2019-07-29	RFC
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
$\Delta = 4^{\circ}51'10''$	$\Delta = 25^{\circ}55'38''$	$\Delta = 10^{\circ}54'00''$	$\Delta = 23^{\circ}30'41''$
$Dc = 1^{\circ}00'00''$	$Dc = 4^{\circ}00'00''$	$Dc = 1^{\circ}00'00''$	$Dc = 8^{\circ}00'00''$
$R = 5729.58'$	$R = 1432.39'$	$R = 5729.58'$	$R = 716.20'$
$T = 242.79'$	$T = 329.73'$	$T = 546.65'$	$T = 149.04'$
$L = 485.29'$	$L = 648.18'$	$L = 1090.00'$	$L = 293.89'$
$E = 5.14'$	$E = 37.46'$	$E = 26.02'$	$E = 15.34'$



RELEASED FOR CONSTRUCTION

CALCULATED
 JTH
 CHECKED
 SM

0 100 200
 HORIZONTAL
 SCALE IN FEET

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

CUY-IR490/SR010-
 2.09 / 19.28

NO.	DATE	DESCRIPTION
0	2018-07-29	RFC <i>David X. Reinhart</i>
ISSUE RECORD		

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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
 $\Delta = 38^{\circ}32'00''$
 $Dc = 4^{\circ}45'00''$
 $R = 1206.23'$
 $T = 421.63'$
 $L = 811.23'$
 $E = 71.56'$

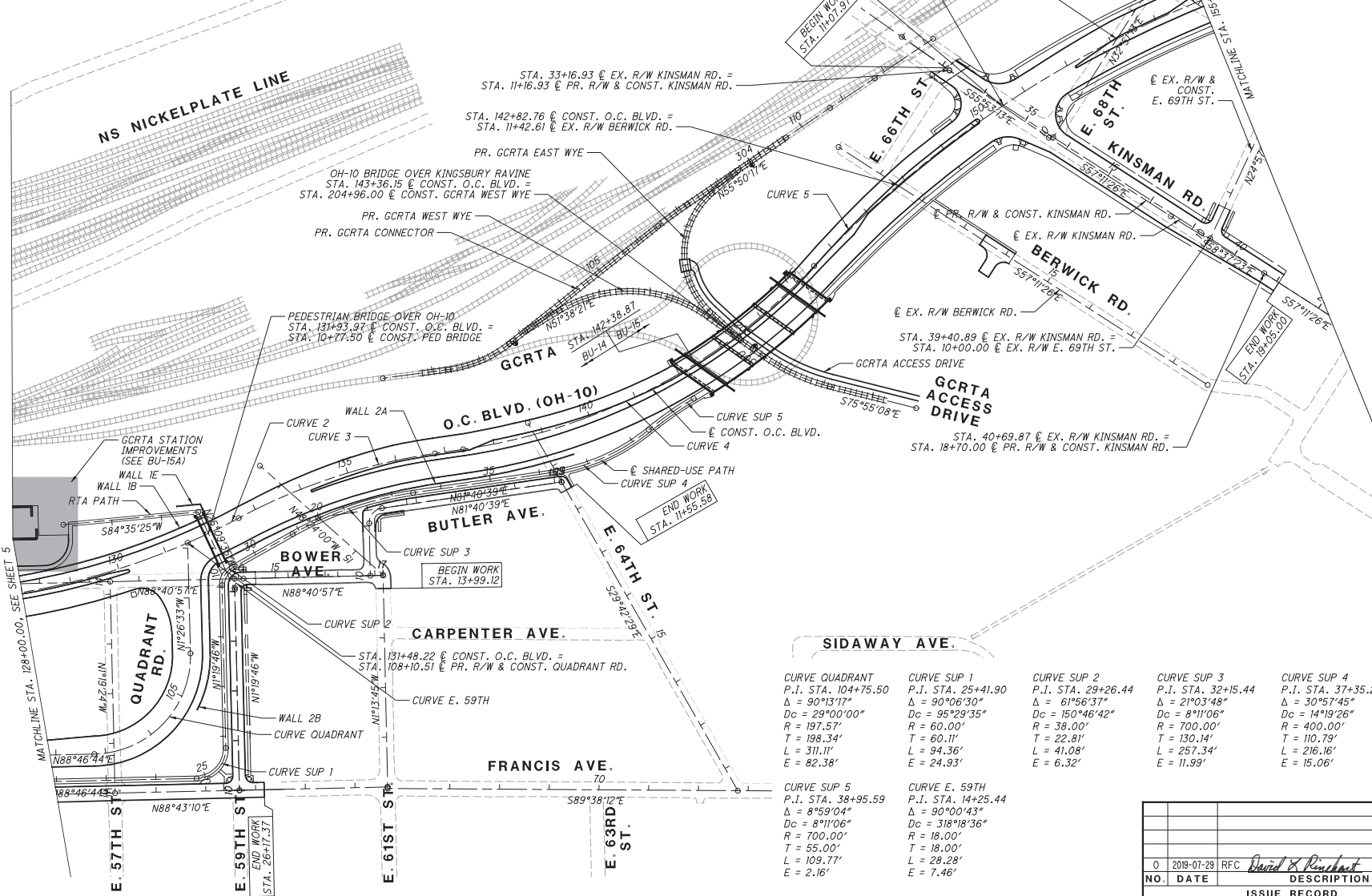
CURVE 5
 P.I. STA. 154+96.35
 $\Delta = 46^{\circ}36'56''$
 $Dc = 2^{\circ}36'16''$
 $R = 2200.00'$
 $T = 947.83'$
 $L = 1789.91'$
 $E = 195.49'$

STA. 154+86.85 @ CONST. O.C. BLVD. =
 STA. 10+93.13 @ EX. R/W COLFAX RD.

STA. 153+13.33 @ CONST. O.C. BLVD. =
 STA. 12+35.67 @ EX. R/W E. 68TH ST.

STA. 150+49.11 @ CONST. O.C. BLVD. =
 STA. 34+46.33 @ EX. R/W KINSMAN RD.

STA. 150+45.93 @ CONST. O.C. BLVD. =
 STA. 12+45.11 @ PR. R/W & CONST. KINSMAN RD.



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
 $\Delta = 90^{\circ}06'30''$
 $Dc = 95^{\circ}29'35''$
 $R = 60.00'$
 $T = 128.34'$
 $L = 94.36'$
 $E = 24.93'$

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	RFC	DESCRIPTION
0	2018-07-29	RFC	David X. Reinhardt
ISSUE RECORD			

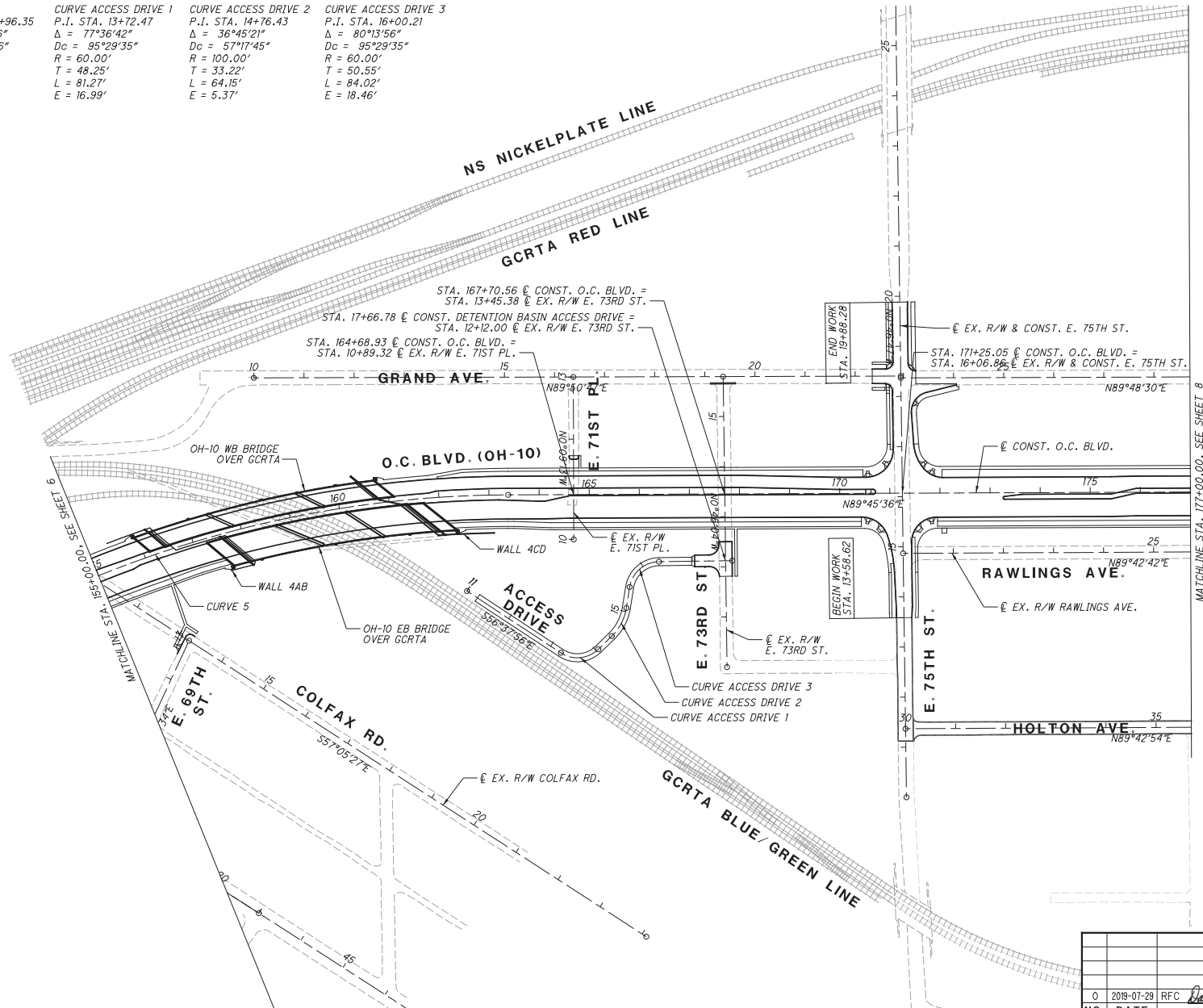
RELEASED FOR CONSTRUCTION



SCHEMATIC PLAN - O.C. BLVD.
 STA. 128+00.00 TO STA. 155+00.00

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 2.09 / 19.28

CURVE 5	CURVE ACCESS DRIVE 1	CURVE ACCESS DRIVE 2	CURVE ACCESS DRIVE 3
P.I. STA. 154+96.35	P.I. STA. 13+72.47	P.I. STA. 14+76.43	P.I. STA. 16+00.21
$\Delta = 46^{\circ}36'56''$	$\Delta = 77^{\circ}36'42''$	$\Delta = 36^{\circ}45'21''$	$\Delta = 80^{\circ}13'56''$
$Dc = 2^{\circ}36'16''$	$Dc = 95^{\circ}29'35''$	$Dc = 57^{\circ}17'45''$	$Dc = 95^{\circ}29'35''$
$R = 2200.00'$	$R = 60.00'$	$R = 100.00'$	$R = 60.00'$
$T = 947.83'$	$T = 48.25'$	$T = 33.22'$	$T = 50.55'$
$L = 1789.91'$	$L = 81.27'$	$L = 64.15'$	$L = 84.02'$
$E = 195.49'$	$E = 16.99'$	$E = 5.37'$	$E = 18.46'$



NO.	DATE	DESCRIPTION
0	2019-07-29	RFC David X. Reinhardt
1		
2		
3		
4		
5		
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7		

ISSUE RECORD

RELEASED FOR CONSTRUCTION



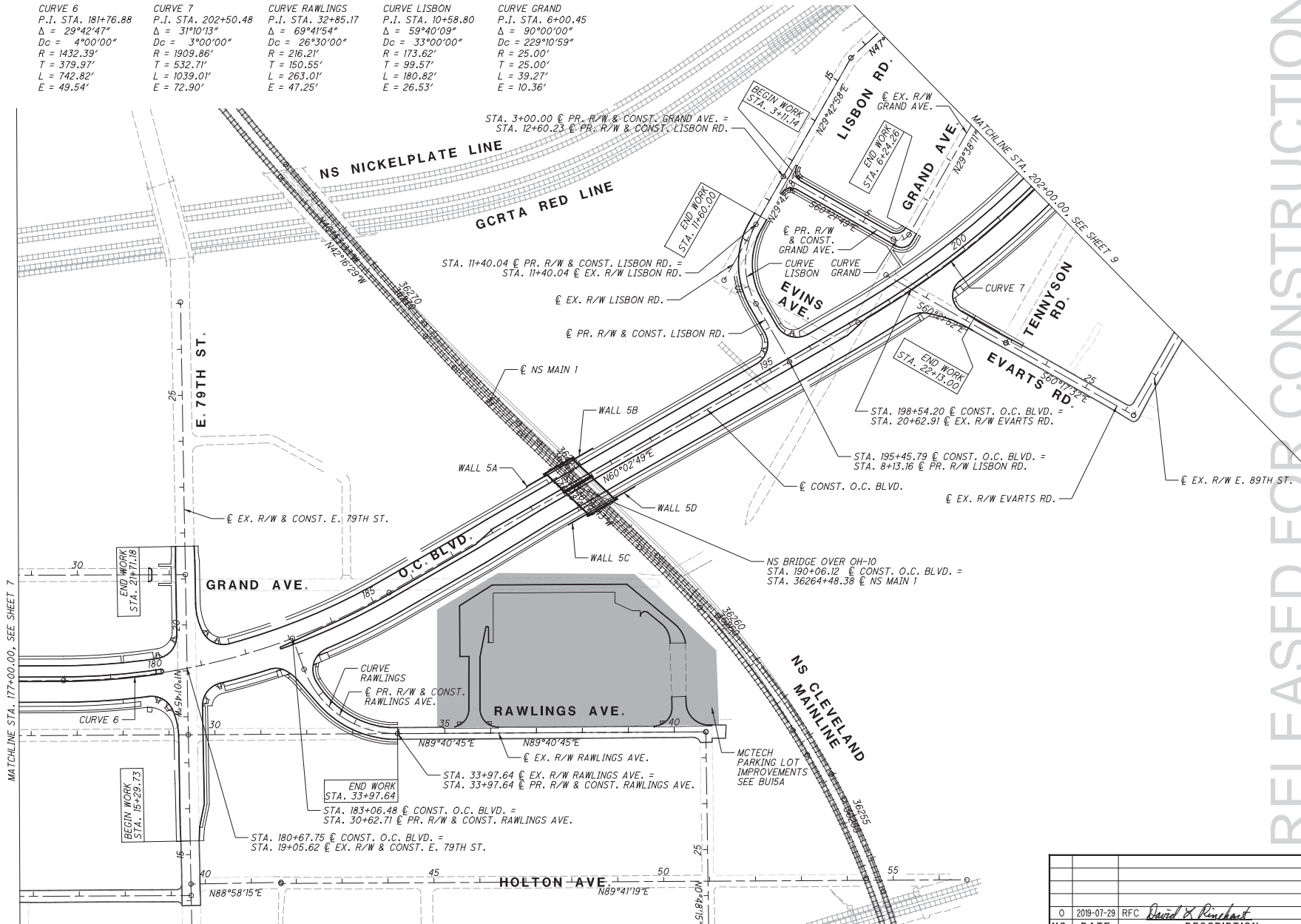
CALCULATED	JTH	CHECKED	SM
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SCHEMATIC PLAN - O.C. BLVD.
 STA. 155+00.00 TO STA. 177+00.00

CUY-IR490/SR010-
 2.09 / 19.28

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CURVE 6	CURVE 7	CURVE RAWLINGS	CURVE LISBON	CURVE GRAND
P.I. STA. 181+76.88	P.I. STA. 202+50.48	P.I. STA. 32+85.17	P.I. STA. 10+58.80	P.I. STA. 6+00.45
$\Delta = 29^{\circ}42'47''$	$\Delta = 31^{\circ}10'13''$	$\Delta = 69^{\circ}41'54''$	$\Delta = 59^{\circ}40'09''$	$\Delta = 90^{\circ}00'00''$
$Dc = 4^{\circ}00'00''$	$Dc = 3^{\circ}00'00''$	$Dc = 26^{\circ}30'00''$	$Dc = 33^{\circ}00'00''$	$Dc = 229^{\circ}10'59''$
$R = 1432.39'$	$R = 1909.86'$	$R = 216.21'$	$R = 173.62'$	$R = 25.00'$
$T = 379.97'$	$T = 532.71'$	$T = 150.55'$	$T = 99.57'$	$T = 25.00'$
$L = 742.82'$	$L = 1039.01'$	$L = 263.01'$	$L = 180.82'$	$L = 39.27'$
$E = 49.54'$	$E = 72.90'$	$E = 47.25'$	$E = 26.53'$	$E = 10.36'$



NO.	DATE	DESCRIPTION
0	2018-07-29	RFC <i>David X. Reinhart</i>
ISSUE RECORD		



CALCULATED	JTH	SM
0	0	0
HORIZONTAL SCALE: 1" = 100'		

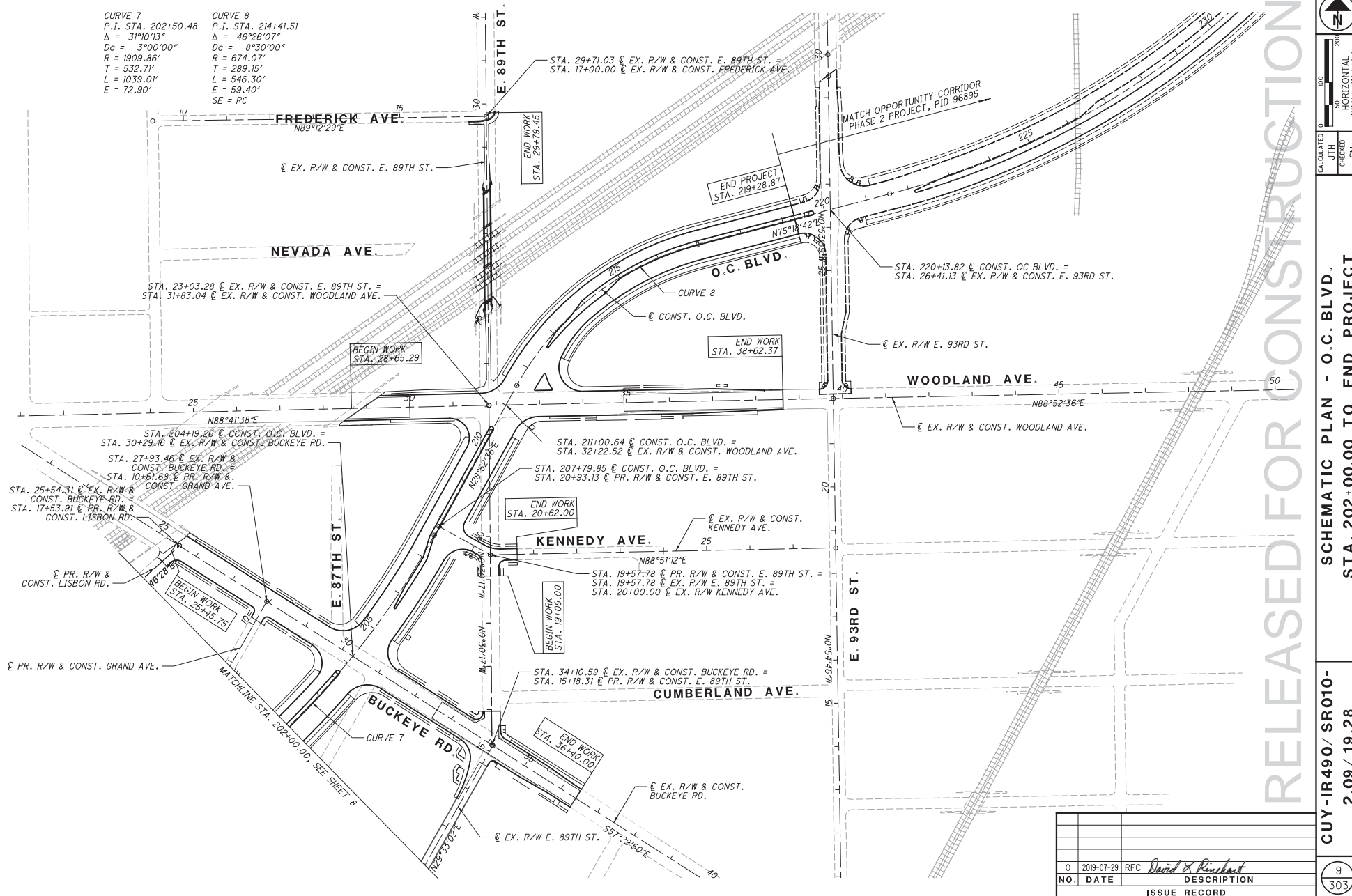
SCHEMATIC PLAN - O.C. BLVD.
 STA. 177+00.00 TO STA. 202+00.00

CUY-IR490/SR010-
 2.09 / 19.28

RELEASED FOR CONSTRUCTION

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

CURVE 8
 P.I. STA. 214+41.51
 $\Delta = 46^{\circ}26'07''$
 $D_c = 8^{\circ}30'00''$
 $R = 674.07'$
 $T = 289.15'$
 $L = 546.30'$
 $E = 69.40'$
 $SE = RC$



RELEASED FOR CONSTRUCTION



CALCULATED
 JTH
 CHECKED
 SM

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

CUY-IR490/SR010-
 2.09 / 19.28

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NO.	DATE	DESCRIPTION
0	2019-07-29	RFC <i>David X. Reinhart</i>
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%	6%	-	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.	661826.3800	2201612.1900	131+48.22
PM02	OC/KINSMAN	O.C. BLVD. KINSMAN RD.	662704.7700	2203249.8400	150+45.93
PM03	OC/E 75	O.C. BLVD. E. 75TH ST.	663082.0500	2205254.3200	171+25.05
PM04	OC/E 79	O.C. BLVD. E. 79TH ST.	663111.5593	2206195.4685	180+67.93
PM05	OC/BUCKEYE	O.C. BLVD. BUCKEYE RD.	664317.2055	2208186.7010	204+19.33
PM06	OC/WOODLAND	O.C. BLVD. WOODLAND AVE.	664897.9000	2208540.9100	211+00.64
PM07	E 55/QUADRANT	E. 55TH ST. QUADRANT RD.	661395.8000	2201147.3800	10+79.64
PM08	OC/RAWLINGS	O.C. BLVD. RAWLINGS AVE.	664317.2055	2208186.7010	204+19.33
PM09	PC	O.C. BLVD. RAWLINGS AVE.	663109.3348	2206450.0041	31+34.63
PM10	PT	O.C. BLVD. RAWLINGS AVE.	662969.2786	2206653.5708	33+97.64
PM11	OC/LISBON	O.C. BLVD. LISBON RD.	663778.4854	2207507.0330	195+45.79
PM12	PC	O.C. BLVD. LISBON RD.	663905.0447	2207434.1022	9+59.23
PM13	PT	O.C. BLVD. LISBON RD.	664077.7987	2207433.7448	11+40.04
PM14	OC/EVARTS	O.C. BLVD. EVARTS RD.	663936.6319	2207771.7135	198+54.20
PM15	OC/KENNEDY	O.C. BLVD. KENNEDY AVE.	664617.0512	2208385.9684	207+79.85
PM16	PT	O.C. BLVD. CURVE 1	661672.6472	2200201.5765	117+20.37
PM17	PC	O.C. BLVD. CURVE 2	661707.5743	2201094.5007	126+13.98
PM18	PRC	O.C. BLVD. CURVE 2	661876.1116	2201714.6691	132+62.16
PM19	PT	O.C. BLVD. CURVE 3	662006.2567	2202109.4666	136+79.94
PM20	PC	O.C. BLVD. CURVE 3	662014.5599	2202166.2265	137+37.30

PT#	DESCRIPTION	INTERSECTION	NORTHING	EASTING	STATION
PM21	PRC	O.C. BLVD. CURVE 4	662383.2203	2202871.7352	145+48.53
PM22	PT	O.C. BLVD. CURVE 5	663078.7577	2204467.7119	163+38.44
PM23	PC	O.C. BLVD. CURVE 6	663084.8688	2205926.1788	177+96.92
PM24	PT	O.C. BLVD. CURVE 6	663276.1738	2206635.3556	185+39.74
PM25	PC	O.C. BLVD. CURVE 7	663864.3490	2207656.0348	197+17.76
PM26	PT	O.C. BLVD. CURVE 7	664596.8010	2208374.8523	207+56.78
PM27	PC	O.C. BLVD. CURVE 8	664943.1963	2208565.8877	211+52.36
PM28	PT	O.C. BLVD. CURVE 8	665269.7120	2208985.2268	216+98.65
PM29	PC	O.C. BLVD. QUADRANT RD.	661401.7000	2201424.4800	102+77.16
PM30	PT	O.C. BLVD. QUADRANT RD.	661604.2000	2201617.7800	105+88.27

NO.	DATE	DESCRIPTION
0	2018-07-29	RFC <i>David X. Reinhardt</i>
ISSUE RECORD		

CALCULATED
SHR
CHECKED
DUJ

DESIGN DESIGNATIONS AND MONUMENTATION

CUY-IR490/SR10-
2.09 / 19.28

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303

RELEASED FOR CONSTRUCTION

Table with columns: CURVE, CONTROL POINT, NORTHING, EASTING, STATION, BEARING. Includes sections for OPPORTUNITY CORRIDOR BLVD., I.R. 490, RAMP E-N, RAMP S-E, QUADRANT RD., and QUADRANT.

Table with columns: CURVE, CONTROL POINT, NORTHING, EASTING, STATION, BEARING. Includes sections for E. 55TH ST., E. 59TH ST. (PROPOSED), E. 61ST ST. (PROPOSED), SHARED-USE PATH, E. 59TH PED PATH, BELFORD AVE., BOWER AVE., and BRAGG RD.

Table with columns: CURVE, CONTROL POINT, NORTHING, EASTING, STATION, BEARING. Includes sections for BUTLER AVE., E. 54TH ST., E. 59TH ST. (EXISTING), E. 61ST ST. (EXISTING), E. 64TH ST., FRANCIS AVE., and MAURICE AVE.

RELEASED FOR CONSTRUCTION

CALCULATED SHR CHECKED DUJ
CENTERLINE REFERENCE TIES
CUY-IR490/SR10-2.09 / 19.28
11/303

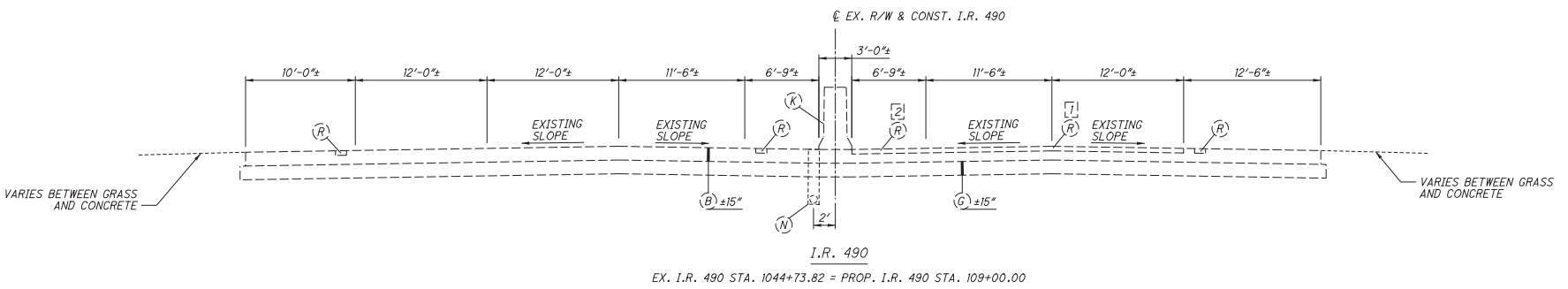
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RELEASED FOR CONSTRUCTION

EXISTING TYPICAL SECTIONS

CUY-IR490/SR010-
2.09 / 19.28

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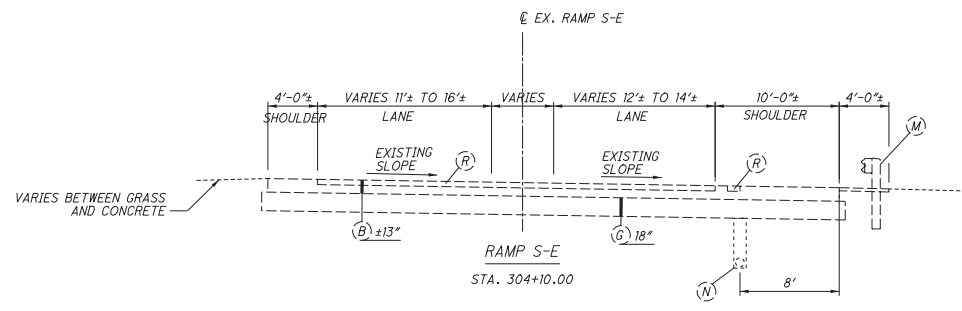
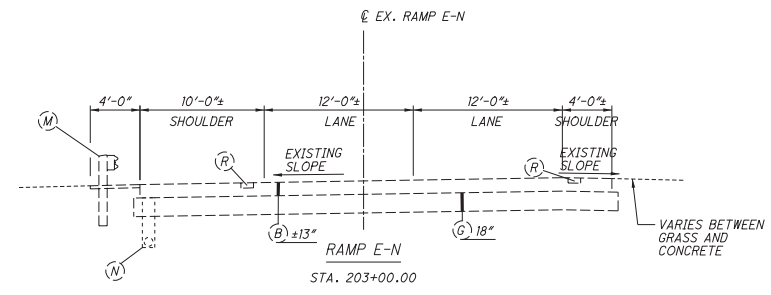
EX. I.R. 490 STA. 1044+73.82 = PROP. I.R. 490 STA. 109+00.00

LEGEND

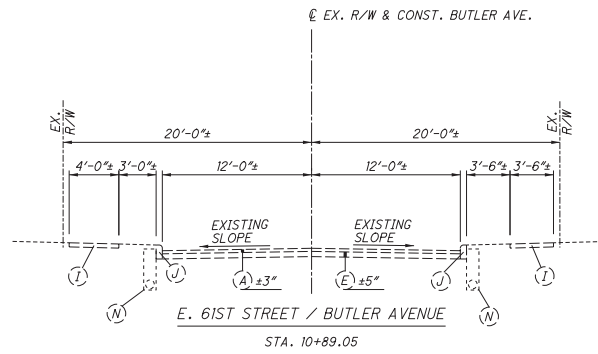
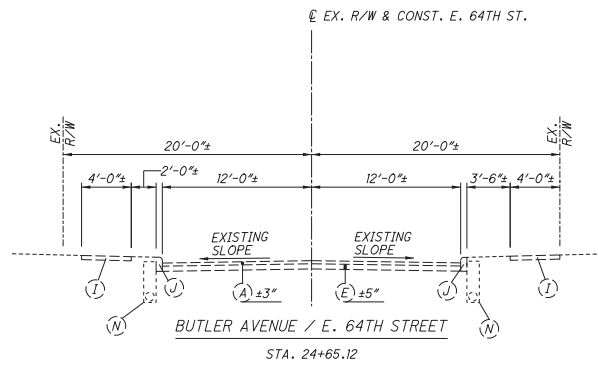
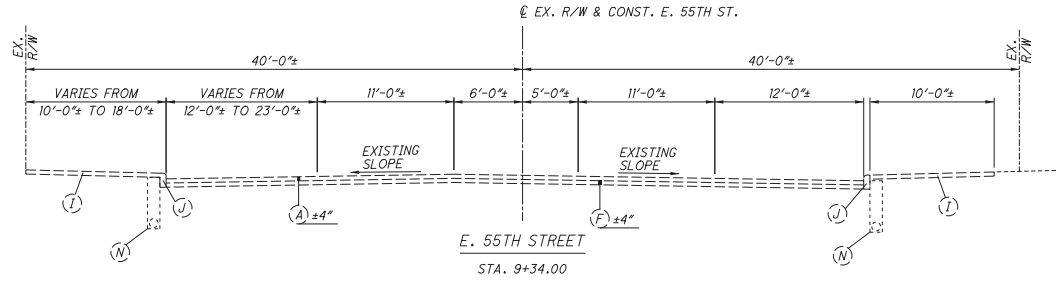
- (A) EXISTING ASPHALT CONCRETE
- (B) EXISTING CONCRETE PAVEMENT
- (C) EXISTING GRANITE PAVING STONE
- (D) EXISTING BRICK
- (E) EXISTING BRICK PAVING STONE
- (F) EXISTING SANDSTONE PAVING STONE
- (G) EXISTING AGGREGATE BASE
- (H) EXISTING CONCRETE BASE
- (I) EXISTING 4" CONCRETE WALK
- (J) EXISTING CONCRETE 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



NO.	DATE	DESCRIPTION
0	2018-07-29	RFC <i>David X. Reinhart</i>
ISSUE RECORD		



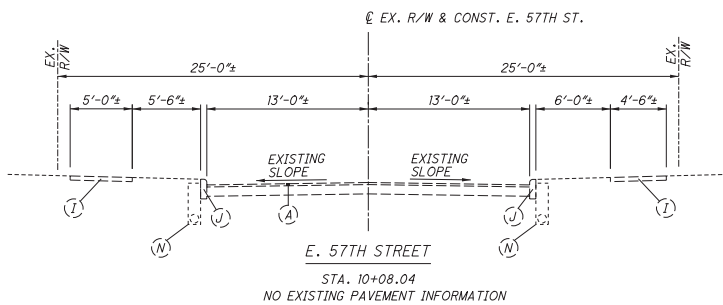
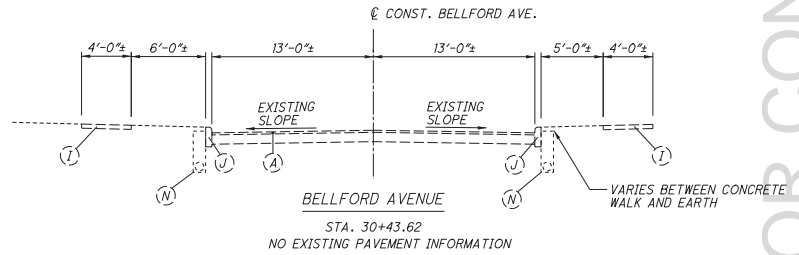
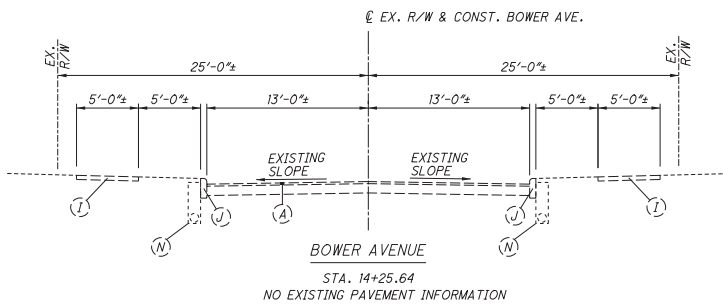
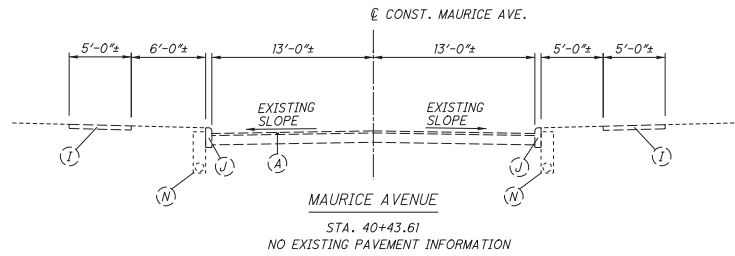
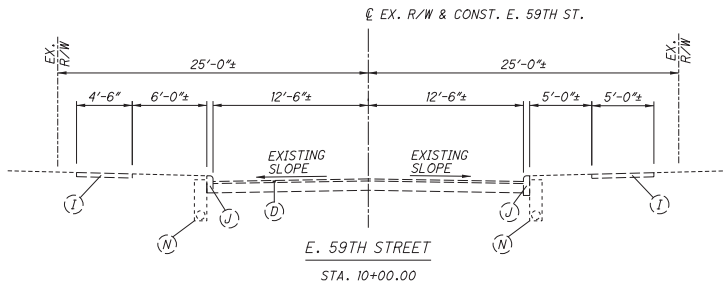
FOR EXISTING LEGEND, SEE SHEET 12
 FOR PROPOSED LEGEND, SEE SHEET 15

NO.	DATE	DESCRIPTION
0	2018-07-29	RFC <i>David X. Reinhardt</i>
ISSUE RECORD		

RELEASED FOR CONSTRUCTION

EXISTING TYPICAL SECTIONS

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2.09 / 19.28



RELEASED FOR CONSTRUCTION

EXISTING TYPICAL SECTIONS

CUY-IR490/SR010-
2.09 / 19.28

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

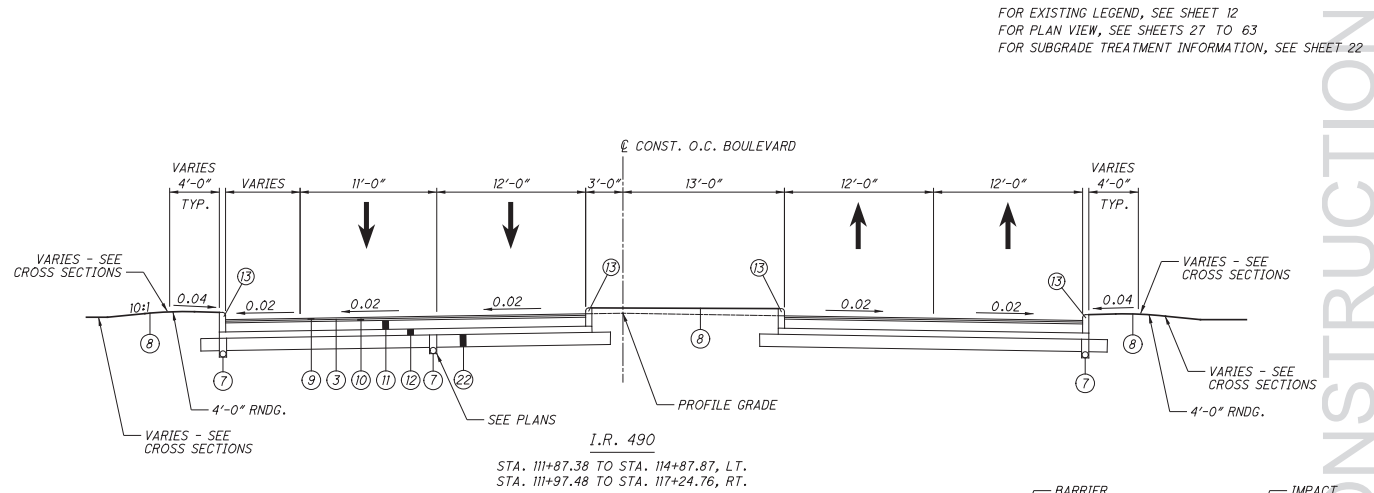
NO.	DATE	DESCRIPTION
0	2018-07-29	RFC <i>David X. Reinhardt</i>
ISSUE RECORD		

- LEGEND**
- ① ITEM 441 - 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448), PG 64-22
 - ② ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2 (448), PG 64-22
 - ③ ITEM 407 - NON-TRACKING TACK COAT
 - ④ ITEM 304 - 8" AGGREGATE BASE, AS PER PLAN
 - ⑤ ITEM 204 - SUBGRADE COMPACTION
 - ⑥ ITEM 608 - 6" CONCRETE WALK, AS PER PLAN
 - ⑦ ITEM 605 - 6" BASE PIPE UNDERDRAINS, WITH GEOTEXTILE FABRIC
 - ⑧ ITEM 659 - SEEDING AND MULCHING, AS PER PLAN
 - ⑨ ITEM 442 - 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (448), PG 70-22M
 - ⑩ ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (448)
 - ⑪ ITEM 302 - 8 3/4" ASPHALT CONCRETE BASE, PG64-22
 - ⑫ ITEM 304 - 6" AGGREGATE BASE, AS PER PLAN
 - ⑬ ITEM 609 - CURB, TYPE 6, AS PER PLAN
 - ⑭ ITEM 204 - EXCAVATION OF SUBGRADE (T = 12")*
 - ⑮ ITEM 204 - 12" GRANULAR MATERIAL, TYPE B, AS PER PLAN*
 - ⑯ ITEM 204 - EXCAVATION OF SUBGRADE, AS PER PLAN
 - ⑰ ITEM 861 - GEOGRID FOR SUBGRADE STABILIZATION (AS DIRECTED BY THE ENGINEER)
 - ⑱ ITEM 441 - 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG 70-22M
 - ⑲ ITEM 301 - 9" ASPHALT CONCRETE BASE, PG64-22
 - ⑳ ITEM 608 - 4" CONCRETE WALK, AS PER PLAN
 - ㉑ ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T = 17"), AS PER PLAN
 - ㉒ ITEM 206 - CEMENT STABILIZED SUBGRADE
 - ㉓ ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 2 1/4")
 - ㉔ ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3")
 - ㉕ ITEM 441 - 1" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1 (448), PG 64-22
 - ㉖ ITEM 204 - GEOTEXTILE FABRIC
 - ㉗ ITEM 448 - 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG 64-22
 - ㉘ ITEM 301 - 6" ASPHALT CONCRETE BASE
 - ㉙ ITEM 304 - 6" AGGREGATE BASE
 - ㉚ ITEM 452 - 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS OCI
 - ㉛ ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 1 1/4")
 - ㉜ ITEM 605 - ROCK CUT UNDERDRAINS WITH GEOTEXTILE FABRIC
 - ㉝ ITEM 703 - 2" CRUSHED STONE COMPACTED SCREENINGS BED
 - ㉞ ITEM 250 - PAVEMENT REPAIRS
 - ㉟ ITEM 304 - AGGREGATE BASE
 - ㊱ ITEM 451 - 12" REINFORCED CONCRETE PAVEMENT
 - Ⓛ LONGITUDINAL JOINT

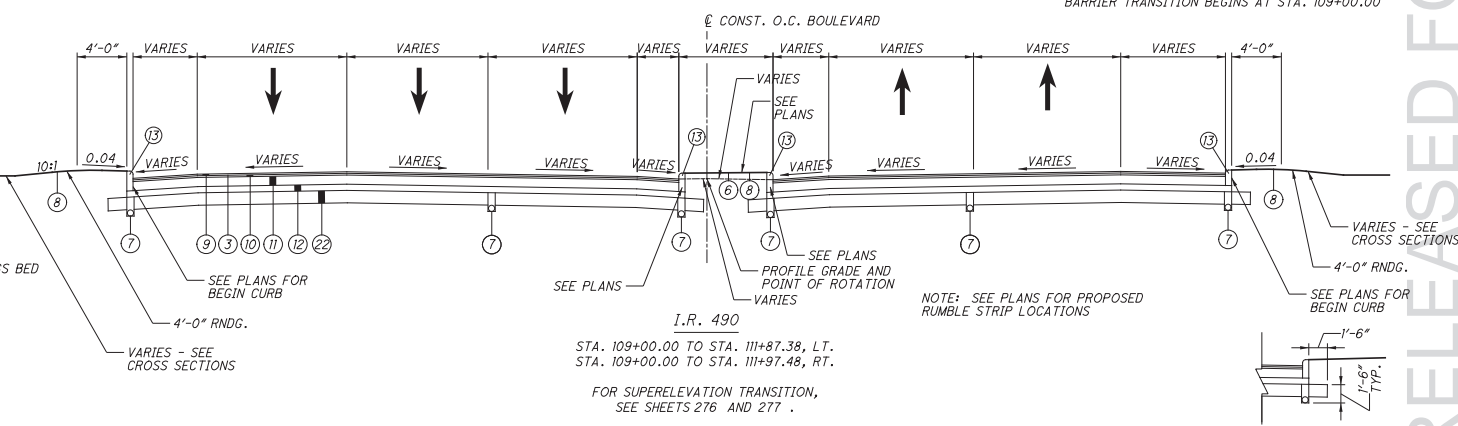
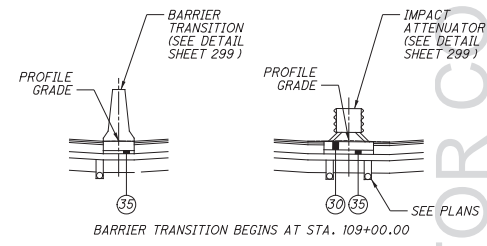
*DEPTH OF EXCAVATION AND THICKNESS OF REPLACEMENT MATERIAL MAY VARY AS DIRECTED BY THE ENGINEER BASED ON SUBGRADE CONDITIONS.

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

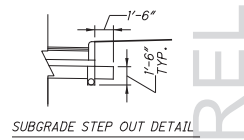
BU-15 BEGINS AT STATION 142+38.87
 BRIDGE LIMITS EXTEND FROM 142+38.87 TO STA. 144+78.03



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

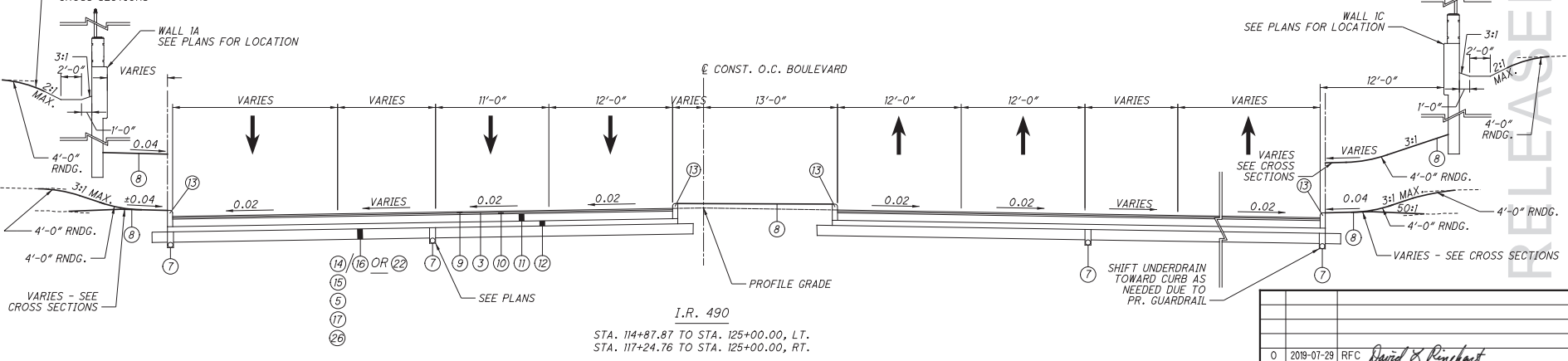
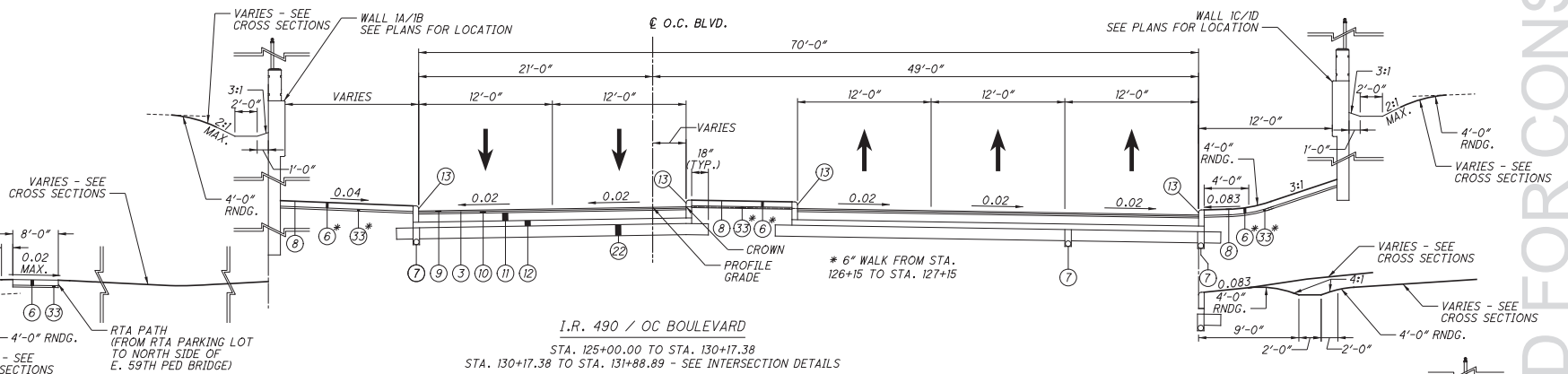
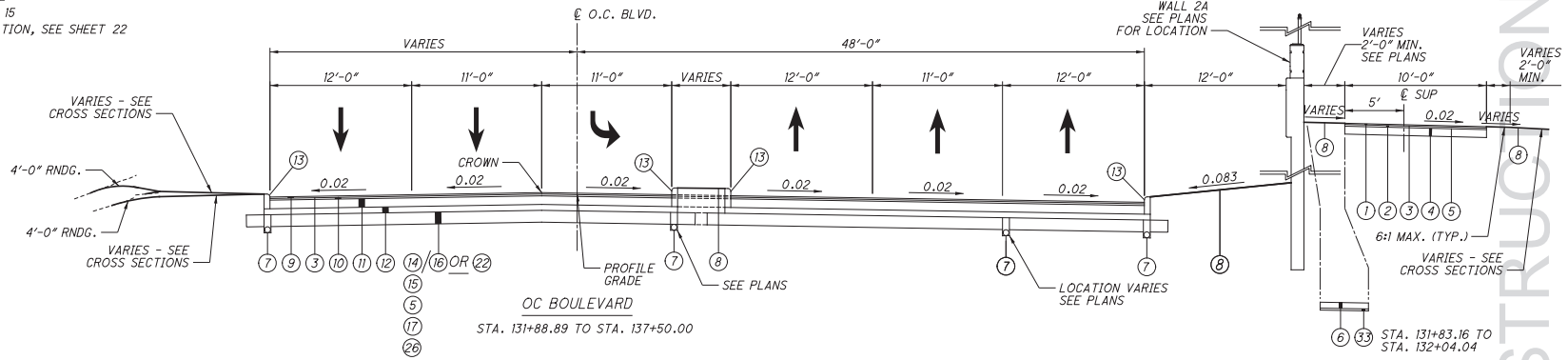


NOTE: SEE PLANS FOR PROPOSED RUMBLE STRIP LOCATIONS



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

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



NO.	DATE	DESCRIPTION
0	2018-07-29	RFC <i>David X. P...</i>
ISSUE RECORD		

BU-14 - ROADWAY & PAVEMENT, BEGIN PROJECT TO KINGSBURY RUN
 ...Sheets\BU-14_196833_C101.dgn 8/26/2019 14:30:05 PM joseph.hogan

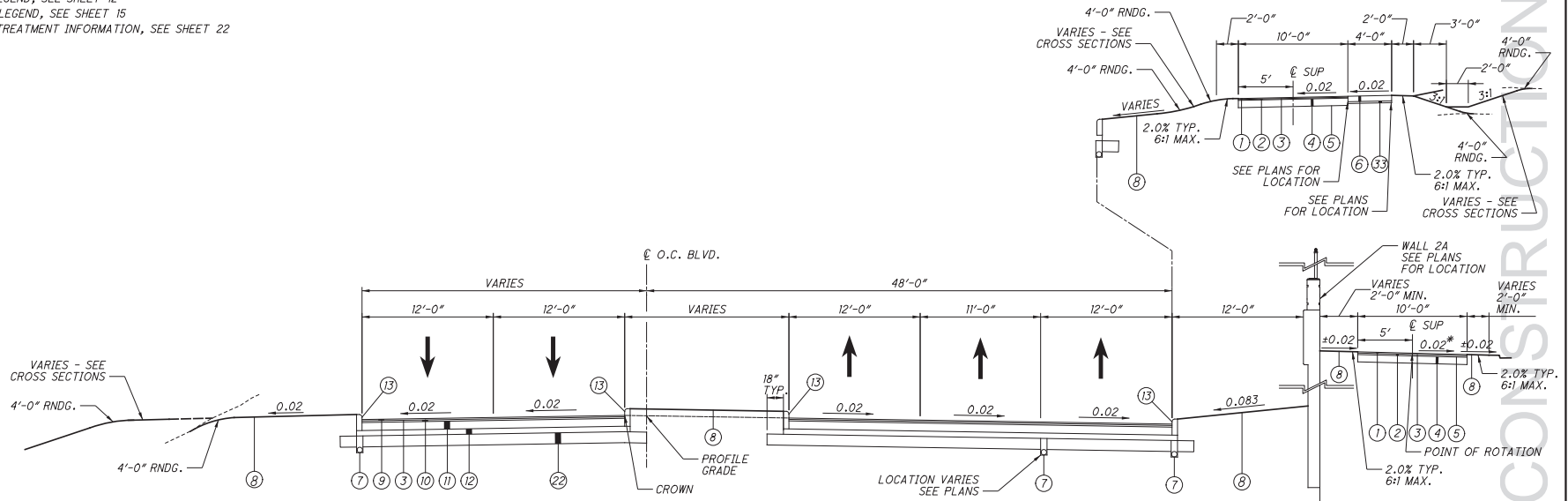
RELEASED FOR CONSTRUCTION

PROPOSED TYPICAL SECTIONS

CUY-IR490/SR1010-2.09 / 19.28

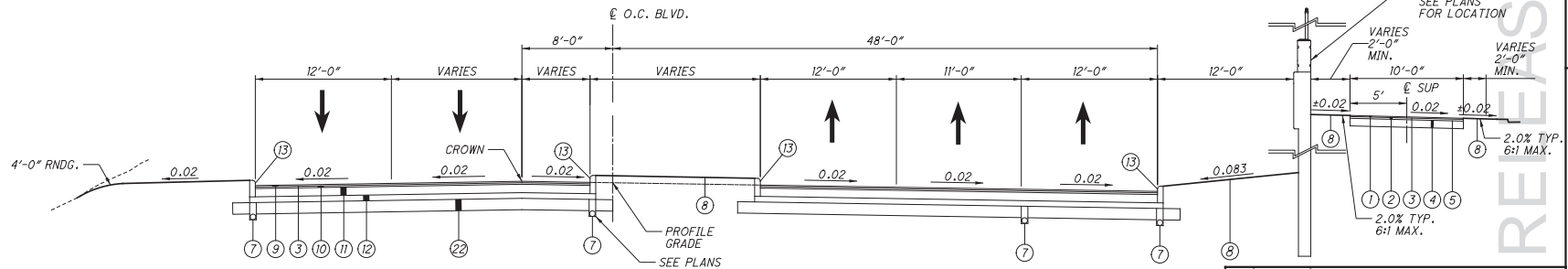
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FOR EXISTING LEGEND, SEE SHEET 12
 FOR PROPOSED LEGEND, SEE SHEET 15
 FOR SUBGRADE TREATMENT INFORMATION, SEE SHEET 22



OC BOULEVARD
 STA. 138+00.00 TO STA. 142+08.87

* 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



OC BOULEVARD
 STA. 137+50.00 TO STA. 138+00.00

NO.	DATE	DESCRIPTION
0	2018-07-29	RFC <i>David & Richard</i>
ISSUE RECORD		

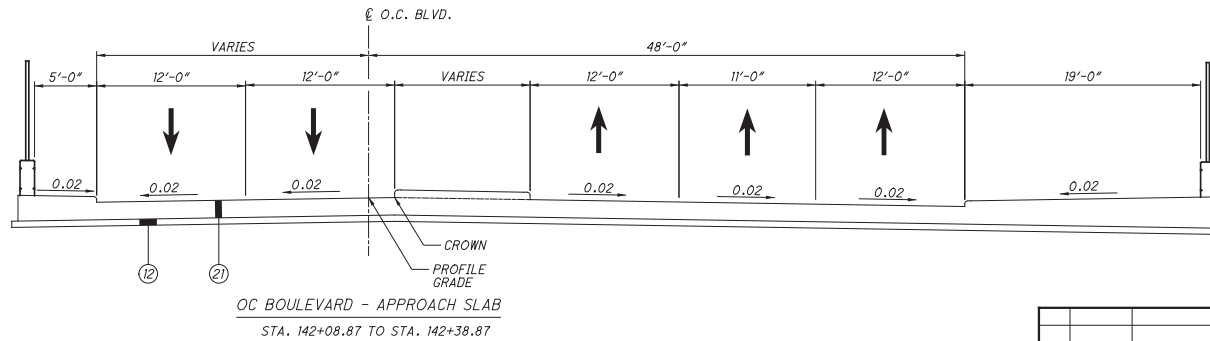
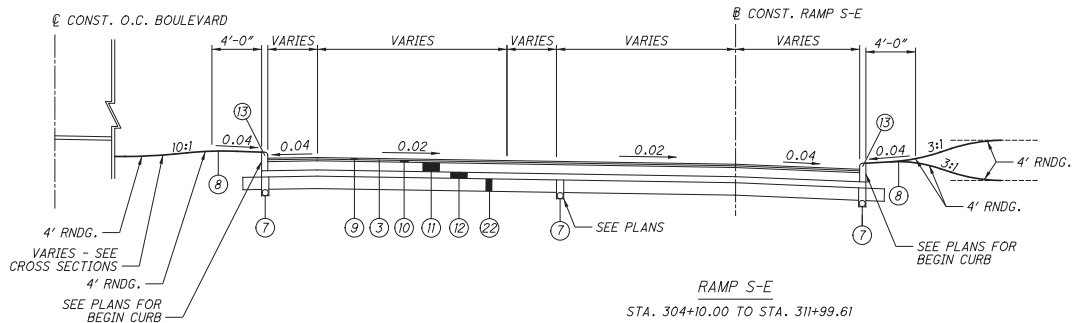
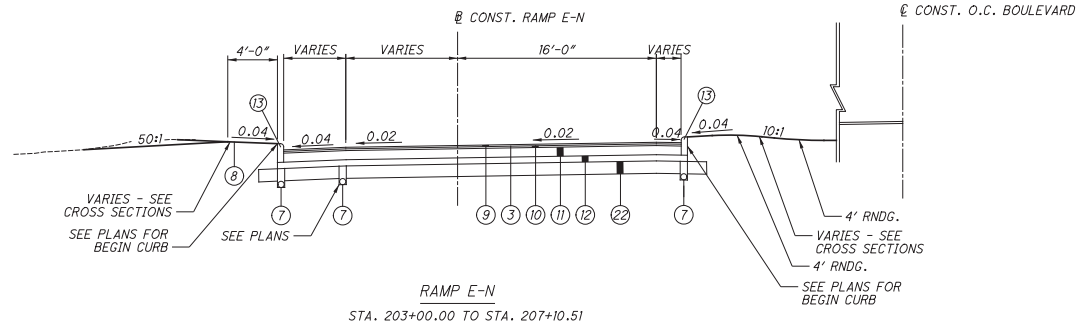
PROPOSED TYPICAL SECTIONS

CUY-IR490/SR1010-2.09 / 19.28

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BU-14 - ROADWAY & PAVEMENT - BEGIN PROJECT TO KINGSBURY RUN
 ...:\Sheets\BU-14_196833_C101.dgn 8/26/2019 1:43:15 PM joseph.hogan

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



RELEASED FOR CONSTRUCTION

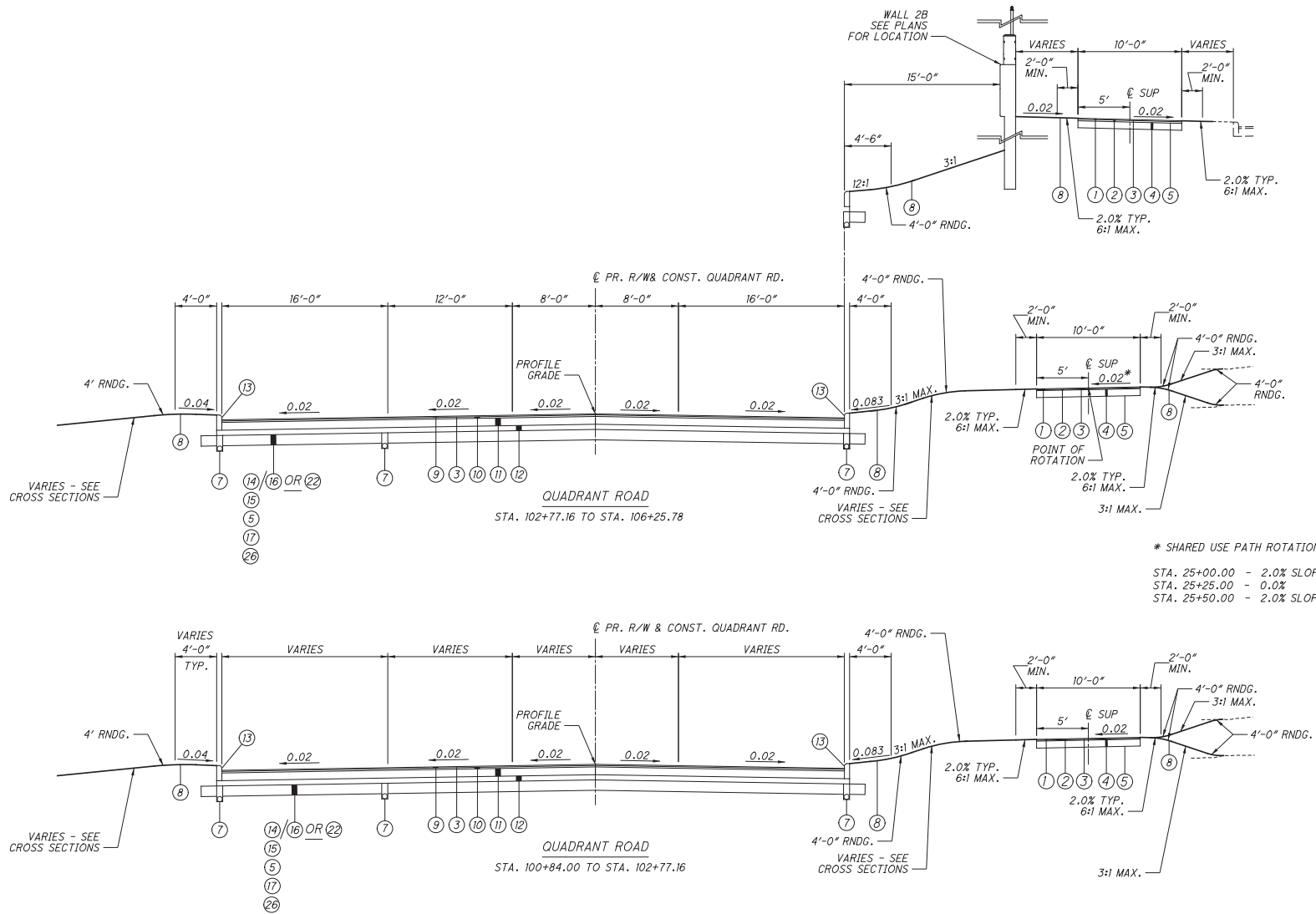
PROPOSED TYPICAL SECTIONS

CUY-IR490/SR010-
 2.09 / 19.28

NO.	DATE	DESCRIPTION
0	2018-07-29	RFC <i>David X. Reinhart</i>
ISSUE RECORD		

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



* SHARED USE PATH ROTATION TRANSITION
 STA. 25+00.00 - 2.0% SLOPING DOWN TO THE LEFT
 STA. 25+25.00 - 0.0%
 STA. 25+50.00 - 2.0% SLOPING DOWN TO THE RIGHT

RELEASED FOR CONSTRUCTION

PROPOSED TYPICAL SECTIONS

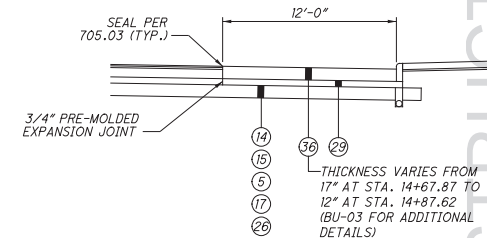
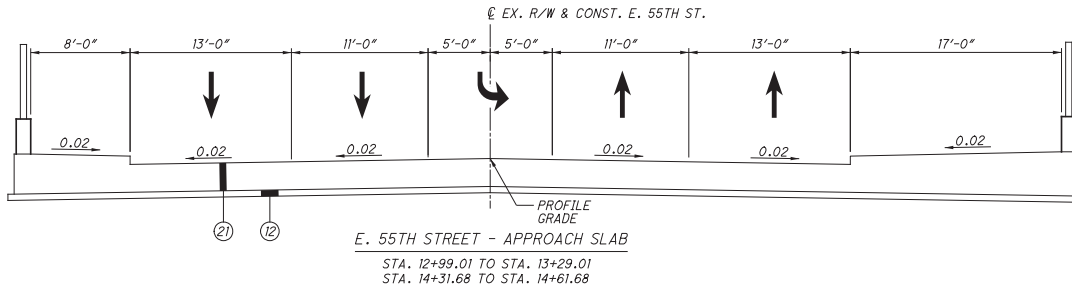
CUY-IR490/SR010-
2.09 / 19.28

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

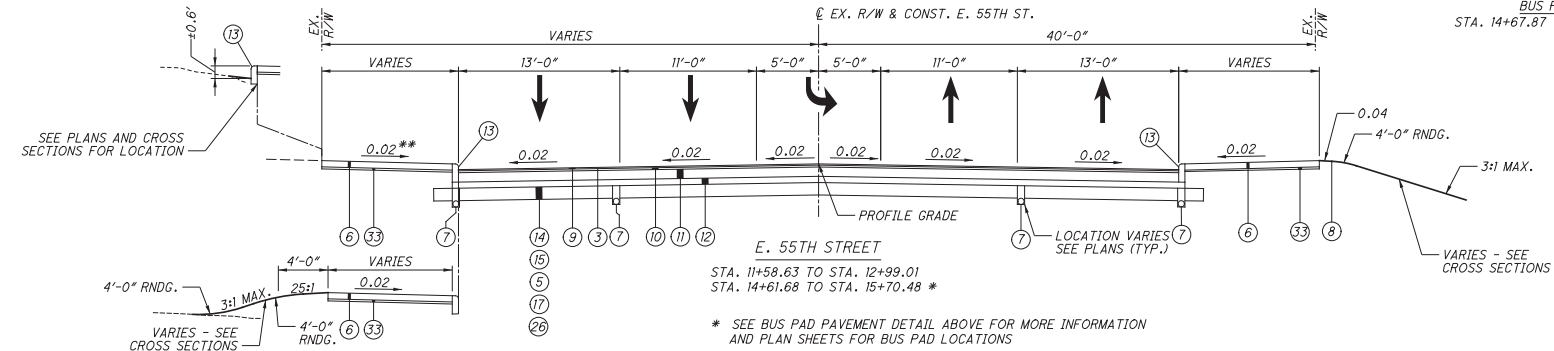
19
303

BU-14 - ROADWAY & PAVEMENT - BEGIN PROJECT TO KINGSBURY RUN
 ...Sheets\BU-14_196833_C101.dgn 6/18/2020 12:08:39 PM Gregory, Herlihy

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

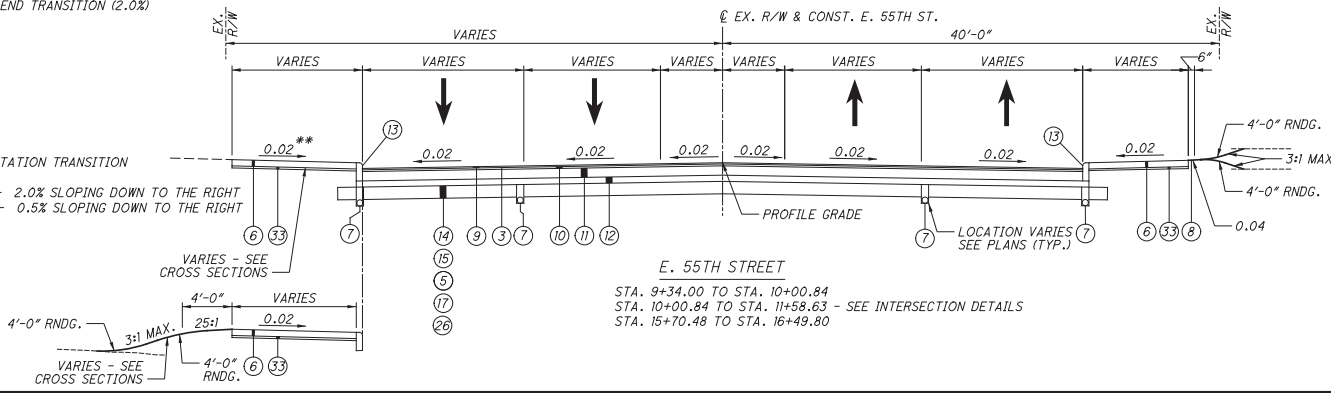


**** SIDEWALK ROTATION TRANSITION**
 STA. 11+92.17 - 0.5% SLOPING DOWN TO THE RIGHT
 STA. 12+07.17 - 2.0% SLOPING DOWN TO THE RIGHT



**** - 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



BUS LANE/PAD DETAIL (TRANSVERSE VIEW)
 STA. 14+67.87 TO STA. 15+76.00 (E. 55TH ST.)

AMENDED FOR CONSTRUCTION

PROPOSED TYPICAL SECTIONS

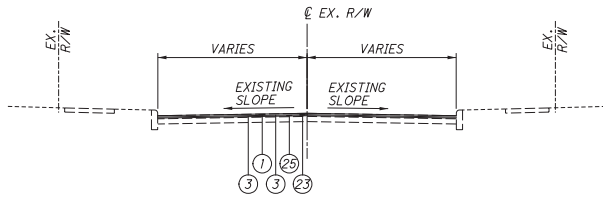
BU-14 - ROADWAY & PAVEMENT - BEGIN PROJECT TO KINGSBURY RUN
 ...Sheets\BU-14_196833_C101.dgn 6/18/2020 12:09:01 PM Gregory, Heather

NO.	DATE	DESCRIPTION
2	2020-06-19	DCO43 David X. Reinhardt
1	2020-05-20	DCO39
0	2019-07-29	RFC

CUY-IR490/SR010-
2.09 / 19.28

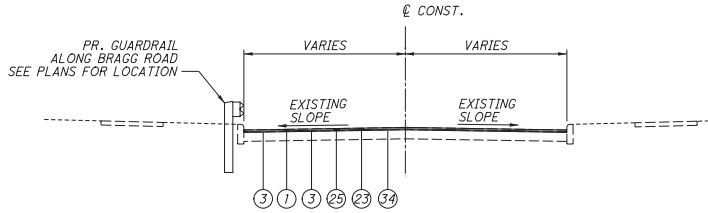
20
303

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



BOWER AVENUE
 STA. 20+34.48 TO STA. 22+91.00

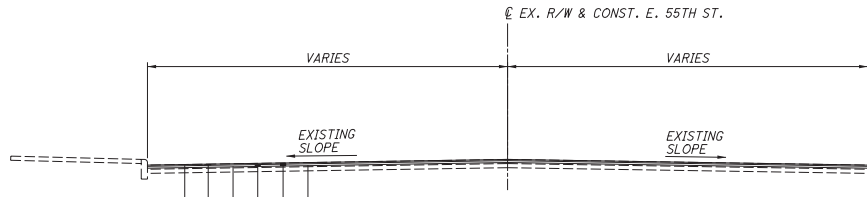
E. 61ST STREET / BUTLER AVENUE
 STA. 13+99.12 TO STA. 14+25.64 (EXISTING E)
 STA. 10+00.00 TO STA. 11+91.49 (PROPOSED E)



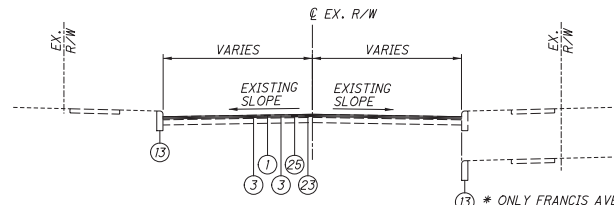
MAURICE AVENUE
 STA. 40+43.61 TO STA. 48+43.61

BELLFORD AVENUE
 STA. 30+43.62 TO STA. 38+43.62

BRAGG ROAD
 STA. 21+57.42 TO STA. 25+01.72



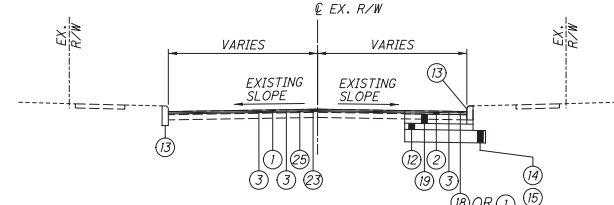
E. 55TH STREET
 STA. 7+21.20 TO STA. 9+34.00



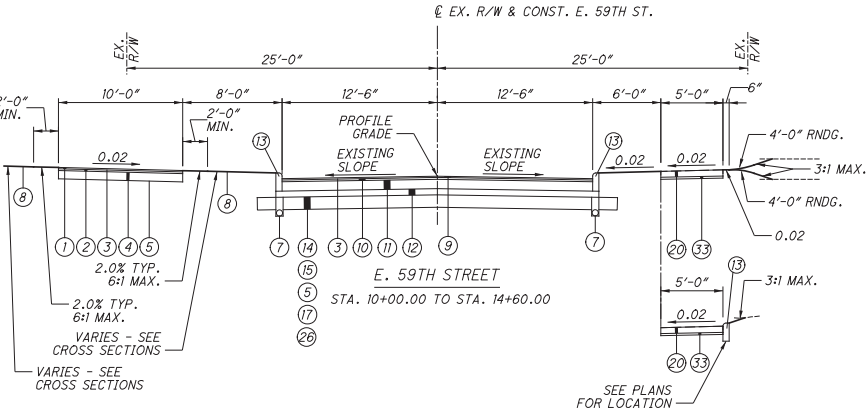
FRANCIS AVENUE
 STA. 21+70.00 TO STA. 26+17.37

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

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



E. 61ST STREET / BUTLER AVENUE
 STA. 10+89.05 TO STA. 11+91.49 (PROPOSED E)



E. 59TH STREET
 STA. 10+00.00 TO STA. 14+60.00



NO.	DATE	DESCRIPTION
1	2020-06-19	DCO43 David & Reinhardt
0	2019-01-29	RFC
ISSUE RECORD		

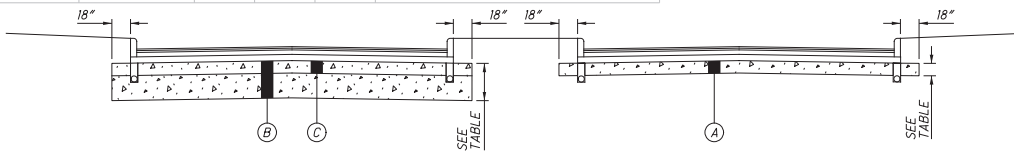
AMENDED
 RELEASED FOR CONSTRUCTION

BU-14 - ROADWAY & PAVEMENT - BEGIN PROJECT TO KINGSBURY RUN
 ...Sheets\BU-14_196833_C101.dgn 6/18/2020 12:09:30 PM Gregory.Hertler

PROPOSED TYPICAL SECTIONS

CUY-IR490 / SR010-
 2.09 / 19.28

	SUBGRADE TREATMENT					BRIDGE / INTERSECTING STREET**
	FROM	TO	(A)	(B)	(C)	
O.C. BLVD.	109+00.00	124+00.00			12"	
	124+00.00	124+50.00		36"	12"	
	124+50.00	137+00.00			12"	
	137+00.00	137+50.00		36"	12"	
	137+50.00	142+39.00			12"	
	142+39.00	144+78.00				CUY-10-1949
	144+78.00	149+50.00			12"	
	149+50.00	151+50.00	12"			KINSMAN RD.
	151+50.00	157+00.00			12"	
	157+00.00	161+50.00				CUY-10-1976L & CUY-10-1978R
	161+50.00	170+50.00			12"	
	170+50.00	172+00.00	12"			E. 75TH ST.
	172+00.00	180+00.00			14"	
	180+00.00	181+50.00	12"			E. 79TH ST.
	181+50.00	203+50.00			14"	
	203+50.00	205+00.00	12"			BUCKEYE RD.
	205+00.00	210+00.00			12"	
	210+00.00	211+50.00	12"			WOODLAND AVE.
	211+50.00	217+50.00			12"	
	217+50.00	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
	14+60.00	16+49.80	12"			
QUADRANT RD.	100+00.00	100+50.00	12"			E. 55TH ST.
	100+50.00	102+50.00		36"	12"	
	102+50.00	106+00.00			12"	
	106+00.00	107+50.00		36"	12"	
KINSMAN RD.	107+50.00	108+10.51			12"	O.C. BLVD.
	11+30.00	13+90.00	12"			O.C. BLVD.
	13+90.00	19+05.00			12"	
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		18"	12"	
	36+00.00	36+40.00	12"			
WOODLAND AVE.	28+65.29	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	11+60.00			14"	
GRAND AVE.	3+11.14	6+24.26			14"	
EVARTS RD.	21+83.07	23+35.39			14"	
E. 89TH ST.	19+09.00	19+95.49	12"			
KENNEDY AVE.	20+34.25	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
0	2018-07-29	RFC David X. Reinhardt
ISSUE RECORD		

RELEASED FOR CONSTRUCTION

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)
 CHRIZEL@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 (DEGC)
 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 SANTOIAMMO
 8179 EAST DOW CIRCLE
 STRONGSVILLE, OH 44136
 216-575-8016 CELL 216-854-0717
 Pat.Santoiammo@char-ter.com

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

**CITY OF CLEVELAND,
 DIVISION OF WATER
 POLLUTION CONTROL (CDWPC)**
 ATTN: ELIE RAMY, ALAN SCHIEL Y
 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 TUTTIE
 450 EAST 49TH STREET
 CLEVELAND, OHIO 44106
 216-420-8270
 Rtuttie@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
 EJ265@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 ATTENDING TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

OPERATIONAL OFFSETS ON URBAN STREETS

A MINIMUM OPERATIONAL OFFSET OF 1.5 FEET SHALL 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 NORTING (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 MEACHAM 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-ID
- 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-16 ROADWAY & PAVEMENT - GCRTA PARKING LOT BRIDGE - KINGSBURY RUN
- BU-17 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

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

CALCULATED
 JTH
 CHECKED
 SM

GENERAL NOTES

CUY-IR490/SR010-
 2.09 / 19.28

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 303

RELEASED FOR CONSTRUCTION

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 SLAG (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.

GEOBLOCK

WHERE NOTED IN THE PLANS, INSTALL AND INFILL GEOBLOCK BY PRESTO GEOSYSTEMS POROUS PAVEMENT UNITS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. CONTRACTOR SHALL SUBMIT MANUFACTURER'S SHOP DRAWINGS INCLUDING MANUFACTURER'S PRODUCT DATA, GENERAL LAYING PATTERN, AND ANCHORING PRIOR TO INSTALLATION OF GEOBLOCK.

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:
 1. VEHICLES AT JOB SITES REQUIRING THE USE OF EMERGENCY LIGHTS AND/OR OTHER ACCESSORIES TO ACCOMPLISH THEIR ASSIGNMENT; AND

2. 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:
 - A. ABOVE 32 DEGREES FAHRENHEIT: 5 MINUTE MAXIMUM
 - B. BETWEEN -10 AND 32 DEGREES FAHRENHEIT: 15 MINUTE MAXIMUM
 - C. 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:

1. SHAPE THE SUBGRADE TO WITHIN 0.2 FEET OF THE PLAN SUBGRADE ELEVATION.
2. 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.
3. 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.
4. 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.
5. PROOF ROLL THE SUBGRADE ACCORDING TO 204.06.
6. 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.
7. FINE GRADE THE SUBGRADE TO THE SPECIFIED GRADE.

AMENDMENT
 RELEASED FOR CONSTRUCTION

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NO.	DATE	DESCRIPTION	ISSUE RECORD
1	2020-01-03	DCO27 David R. Reinhardt	
0	2019-07-29	RFC	

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 PIPELINES, 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 PIPELINES 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 HUMRICHOUSSER (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 TEMPORARY 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 APPURTENANCES 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, BU1A, BU13, 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 1 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 SEEDING 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 SEEDING 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.

RELEASED FOR CONSTRUCTION

CALCULATED
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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. 069024 (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 BARRIER 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 WITH 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 WITH 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 OTHER ABANDONED PROPERTY FOUND WITHIN BUILDINGS OR ON THE PARCEL WITHIN PERMANENT EASEMENT LIMITS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

THE CONTRACTOR 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-TI, 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.

AMENDED
RELEASED FOR CONSTRUCTION

CALCULATED
JTH
CHECKED
SM

GENERAL NOTES

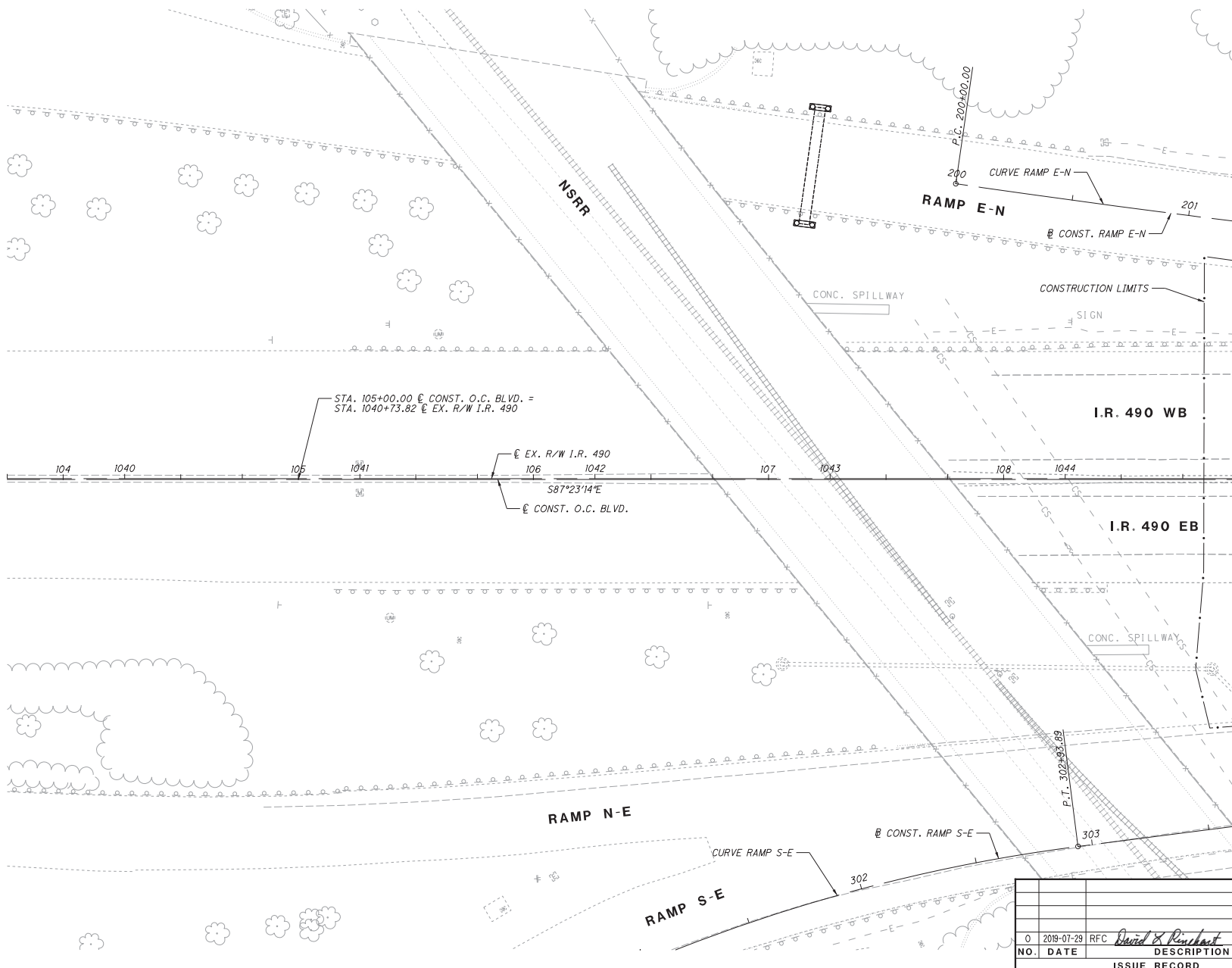
CUY-IR490/SR010-
2.09 / 19.28

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NO.	DATE	DESCRIPTION	ISSUE RECORD
1	2020-02-17	DCO33 David & Reinhardt	
0	2019-07-29	RFC	

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

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



RELEASED FOR CONSTRUCTION

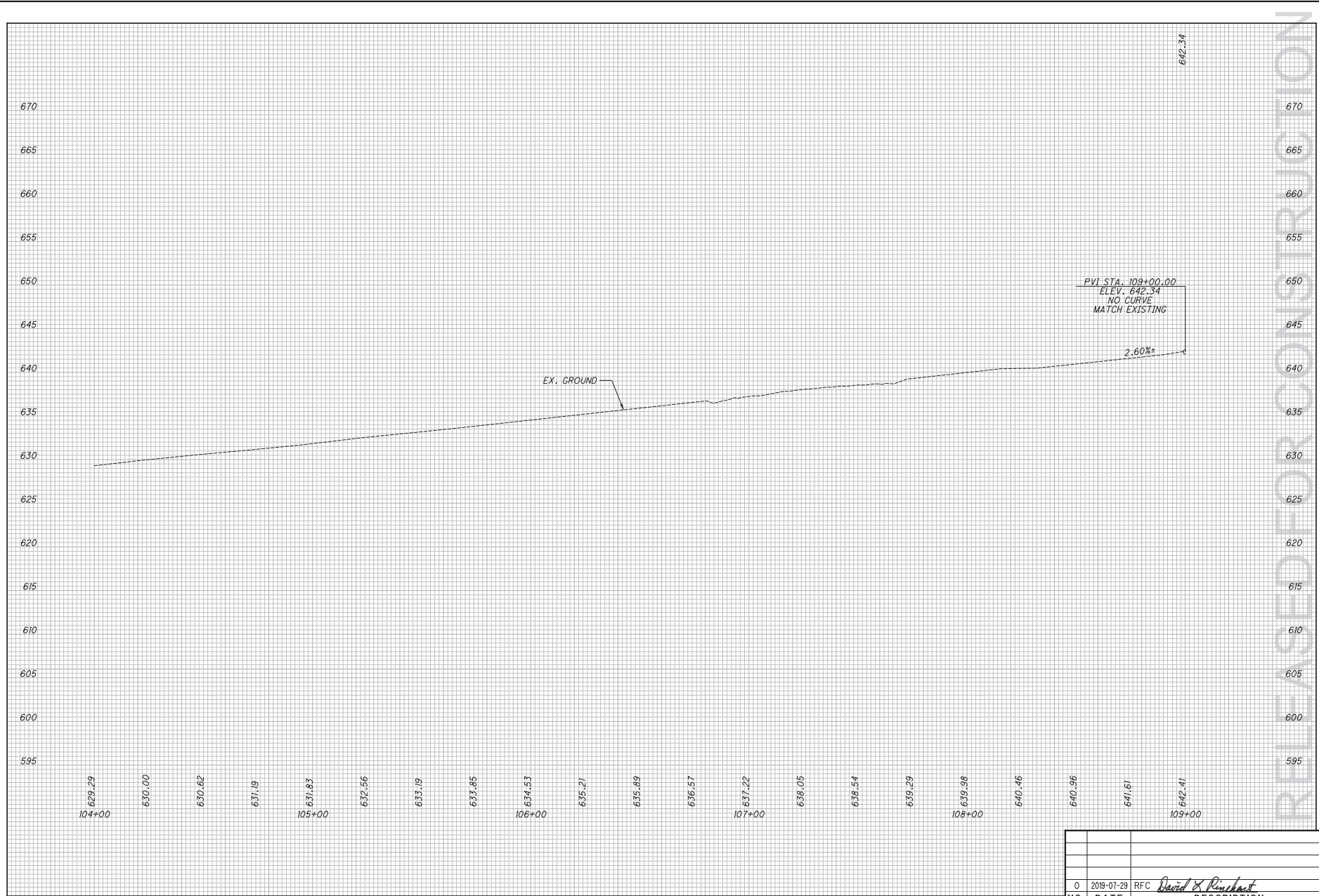


PLAN - OPPORTUNITY CORRIDOR BLVD.
 BEGIN PROJECT TO STA. 109+00.00

CUY-IR490/SR010-
 2.09 / 19.28

NO.	DATE	DESCRIPTION
0	2018-07-29	RFC <i>David X. Reinhart</i>
ISSUE RECORD		

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NO.	DATE	DESCRIPTION
0	2019-07-29	RFC <i>David X. Reinhart</i>
ISSUE RECORD		

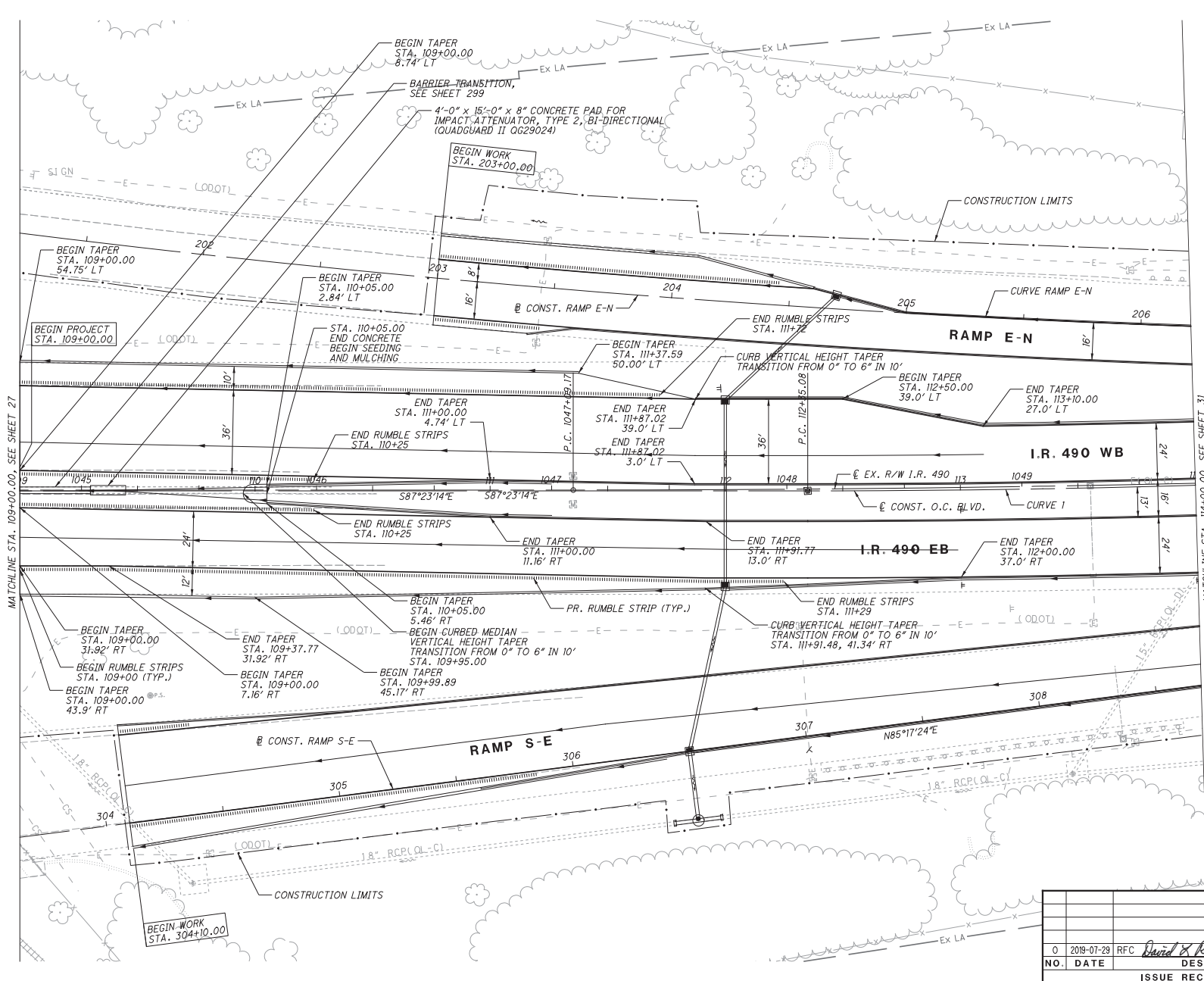
RELEASED FOR CONSTRUCTION

CALCULATED	JTH
CHECKED	SM

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

CUY-IR490/SR010-
 2.09 / 19.28

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

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

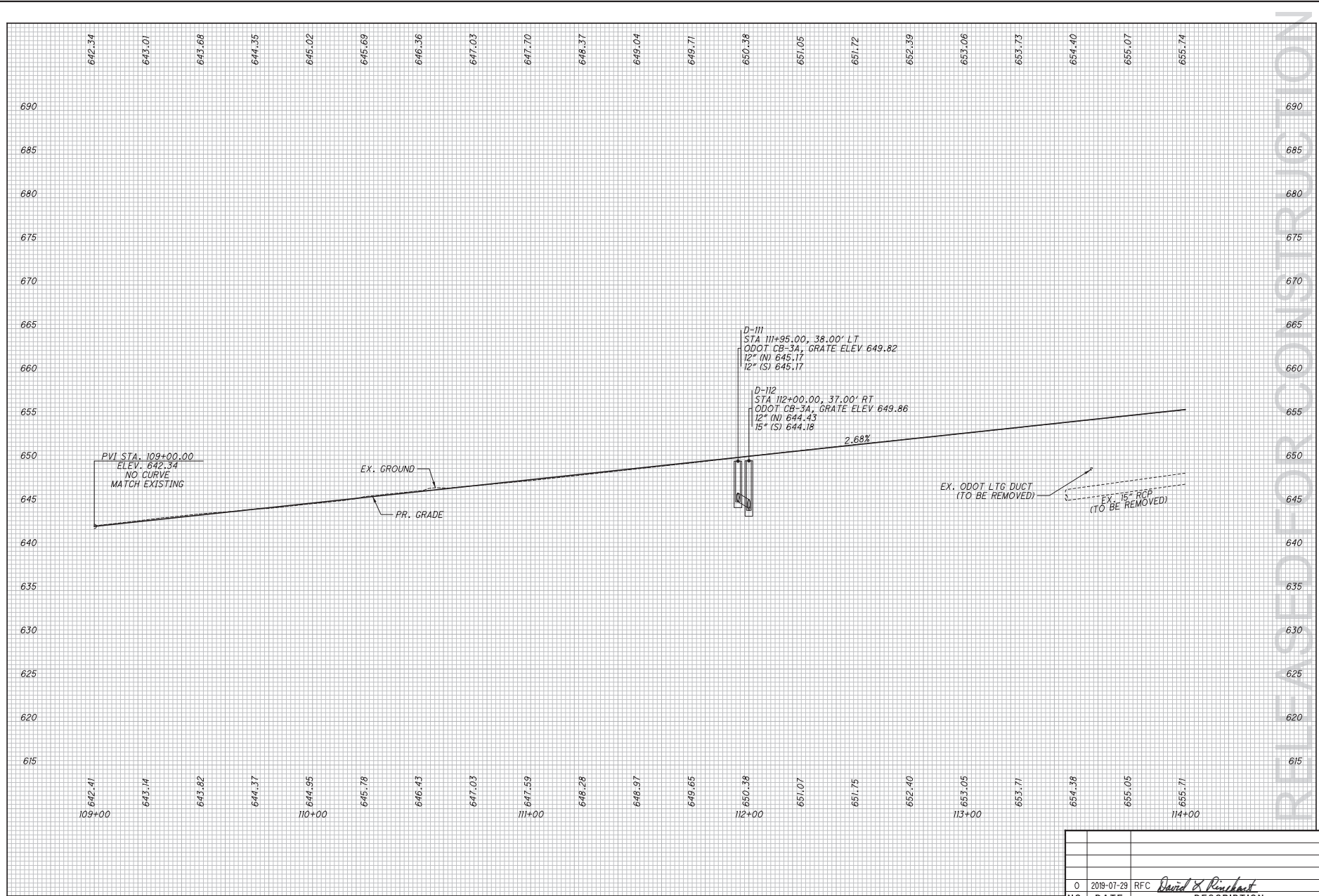


RELEASED FOR CONSTRUCTION
 PLAN - OPPORTUNITY CORRIDOR BLVD.
 STA. 109+00.00 TO STA. 114+00.00

CUY-IR490/SR010-
 2.09 / 19.28

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

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RELEASED FOR CONSTRUCTION

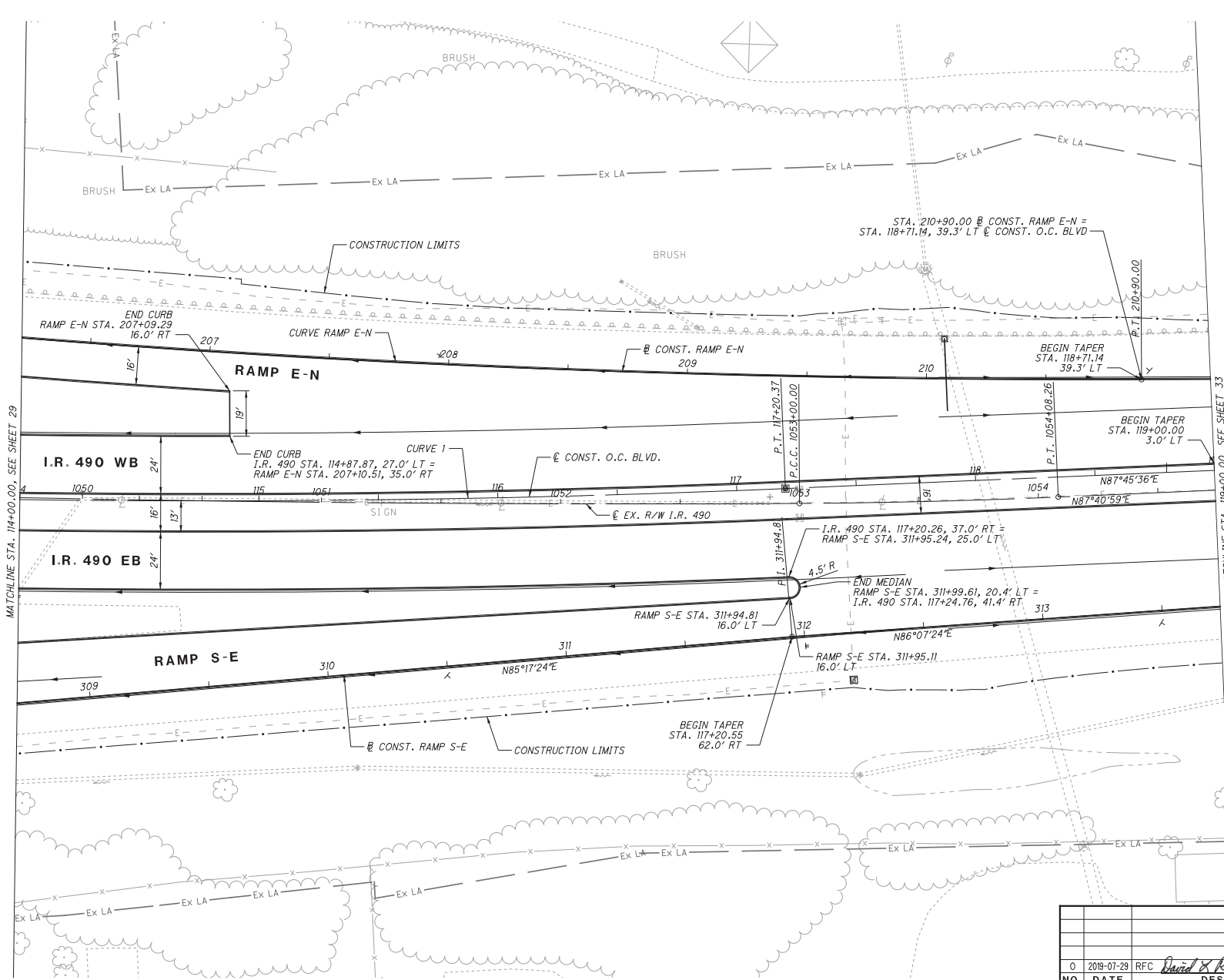
NO.	DATE	DESCRIPTION
0	2018-07-29	RFC <i>David X. Reinhart</i>
ISSUE RECORD		

CALCULATED	JTH
CHECKED	SM

PROFILE - OPPORTUNITY CORRIDOR BLVD.
STA. 109+00.00 TO STA. 114+00.00

CUY-IR490/SR010-
2.09 / 19.28

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303



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

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

0 20 40
 HORIZONTAL SCALE IN FEET

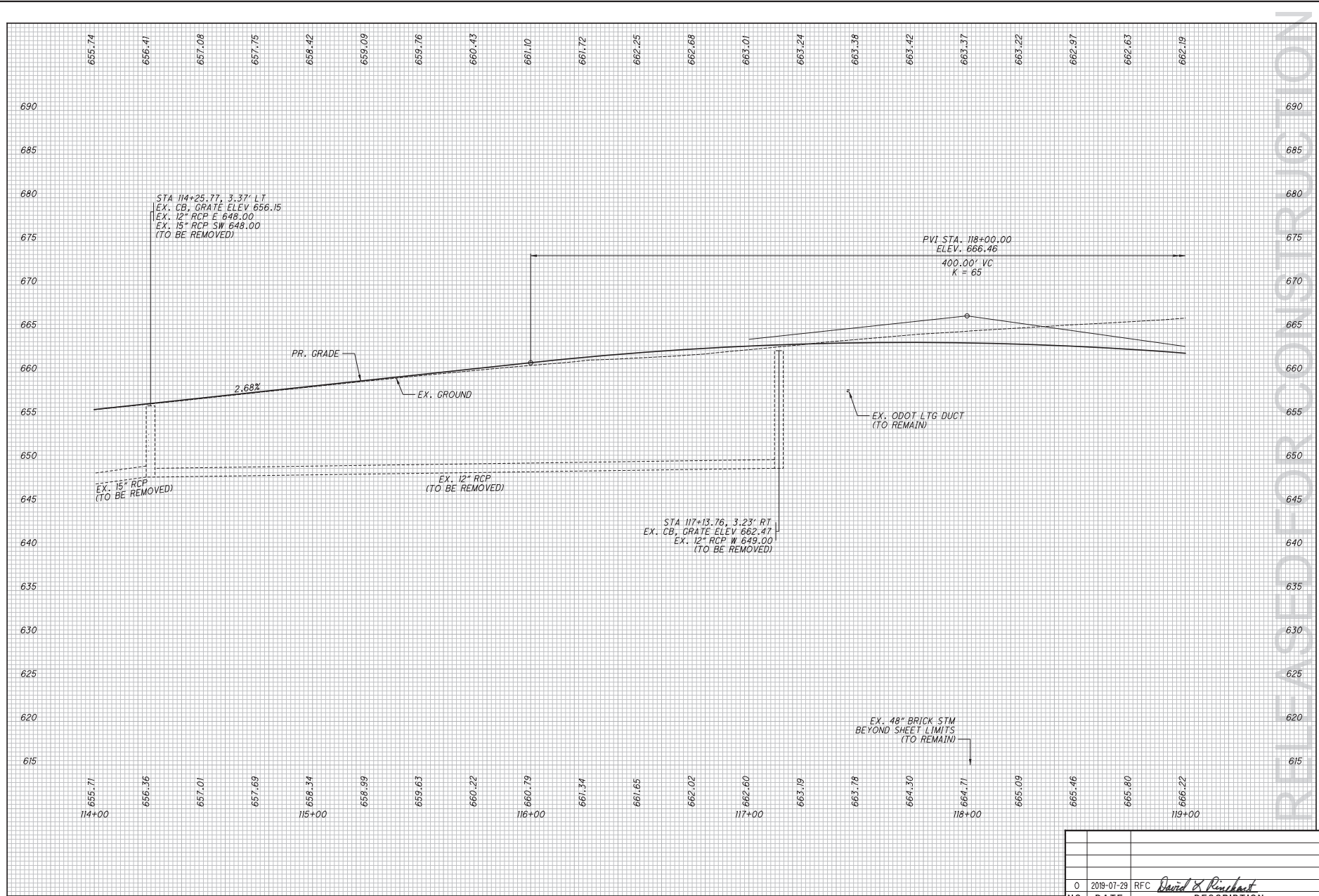
CALCULATED
 JTH
 CHECKED
 SM

RELEASED FOR CONSTRUCTION

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

CUY-IR490/SR010-
 2.09 / 19.28

NO.	DATE	DESCRIPTION
0	2019-07-29	RFC <i>David X. Reinhardt</i>
ISSUE RECORD		



RELEASED FOR CONSTRUCTION

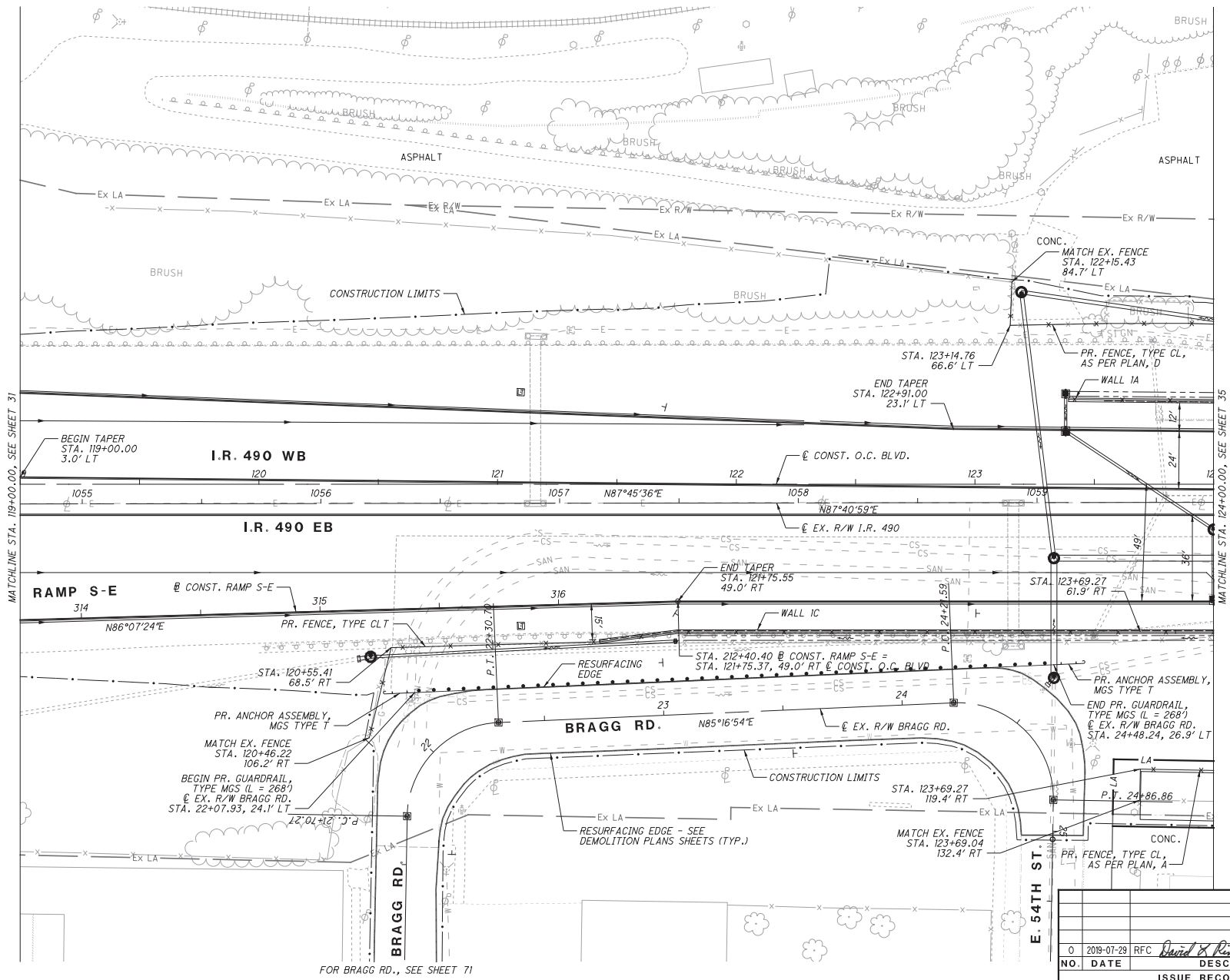
CALCULATED	JTH
CHECKED	SM

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

CUY-IR490/SR010-
 2.09 / 19.28

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NO.	DATE	DESCRIPTION
0	2018-07-29	RFC <i>David X. Reinhart</i>
ISSUE RECORD		



RELEASED FOR CONSTRUCTION



PLAN - OPPORTUNITY CORRIDOR BLVD.
 STA. 119+00.00 TO STA. 124+00.00

CUY-IR490/SR010-
 2.09 / 19.28

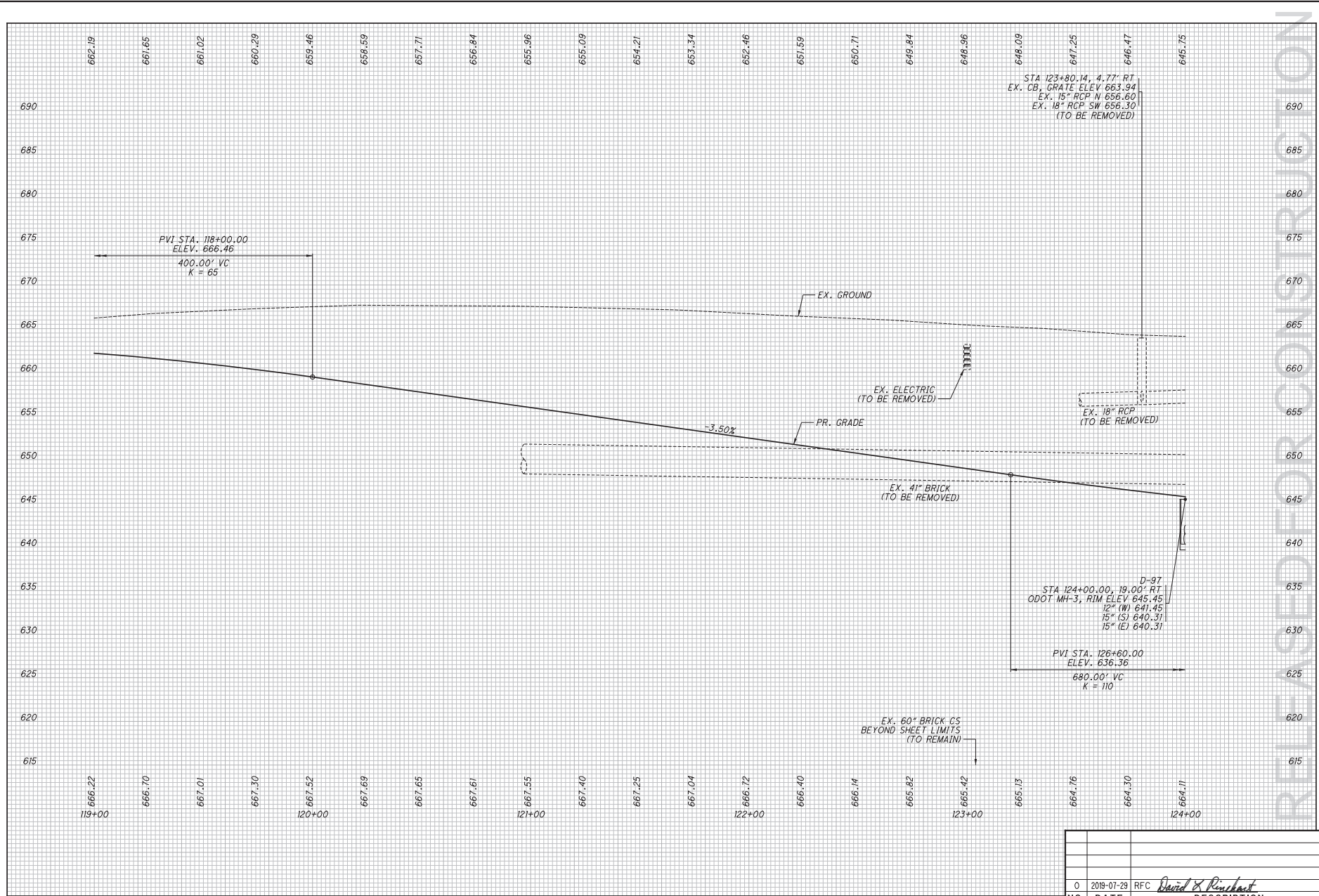
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 303

NO.	DATE	DESCRIPTION	ISSUE RECORD
0	2018-07-29	RFC <i>David & Reinhold</i>	

FOR BRAGG RD., SEE SHEET 71

MATCHLINE STA. 119+00.00 - SEE SHEET 31

MATCHLINE STA. 124+00.00 - SEE SHEET 35



STA 123+80.14, 4.77' RT
 EX. 08" GRATE ELEV 663.94
 EX. 15" RCP N 656.60
 EX. 18" RCP SW 656.30
 (TO BE REMOVED)

D-97
 STA 124+00.00, 19.00' RT
 ODOT MH-3, RIM ELEV 645.45
 12" (W) 641.45
 15" (S) 640.31
 15" (E) 640.31

PVI STA. 126+60.00
 ELEV. 636.36
 680.00' VC
 K = 110

NO.	DATE	DESCRIPTION
0	2018-07-29	RFC <i>David X. Reinhart</i>
ISSUE RECORD		

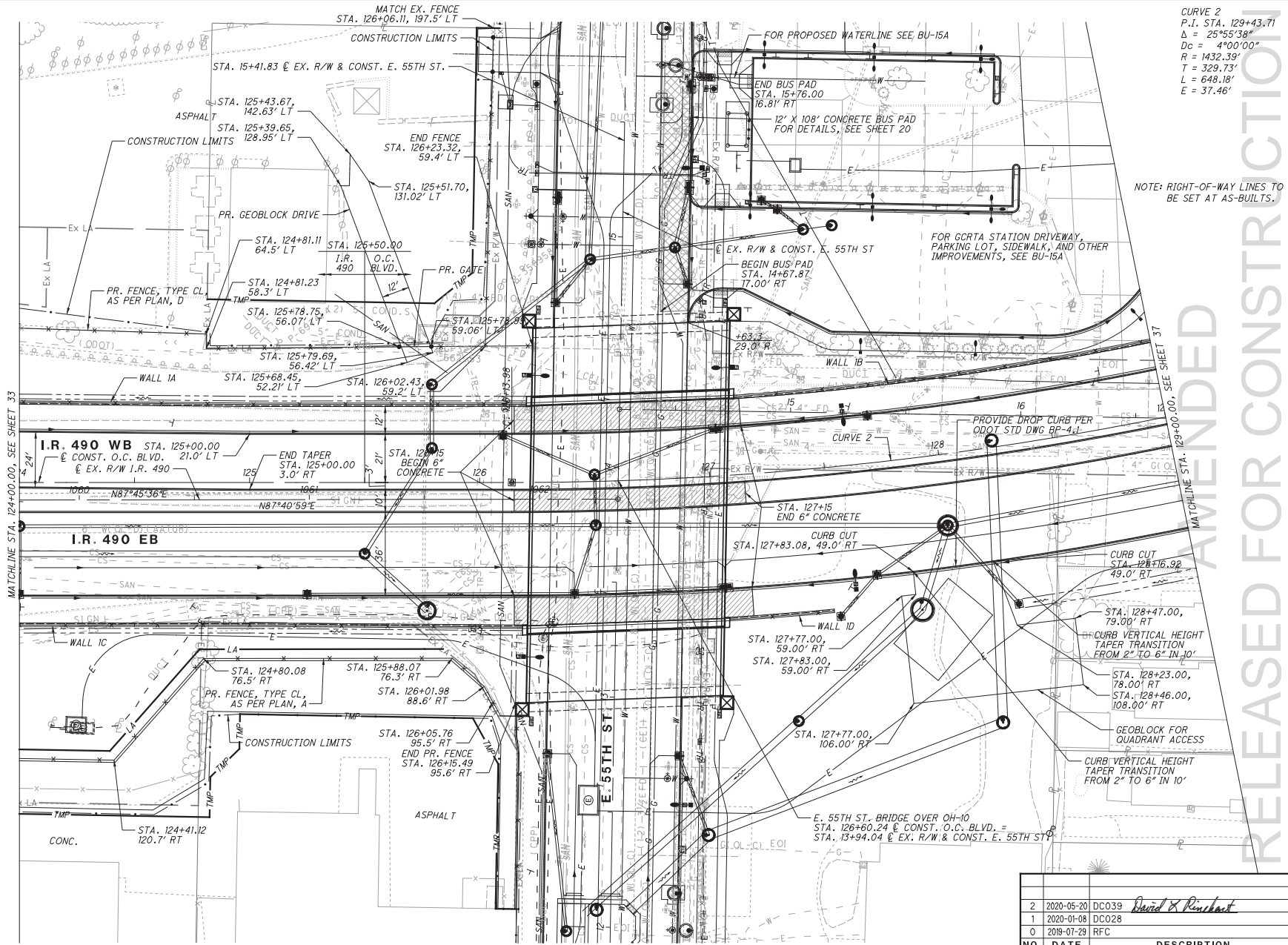
RELEASED FOR CONSTRUCTION

CALCULATED
 JTH
 CHECKED
 SM

PROFILE - OPPORTUNITY CORRIDOR BLVD.
 STA. 119+00.00 TO STA. 124+00.00

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 2.09 / 19.28

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

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

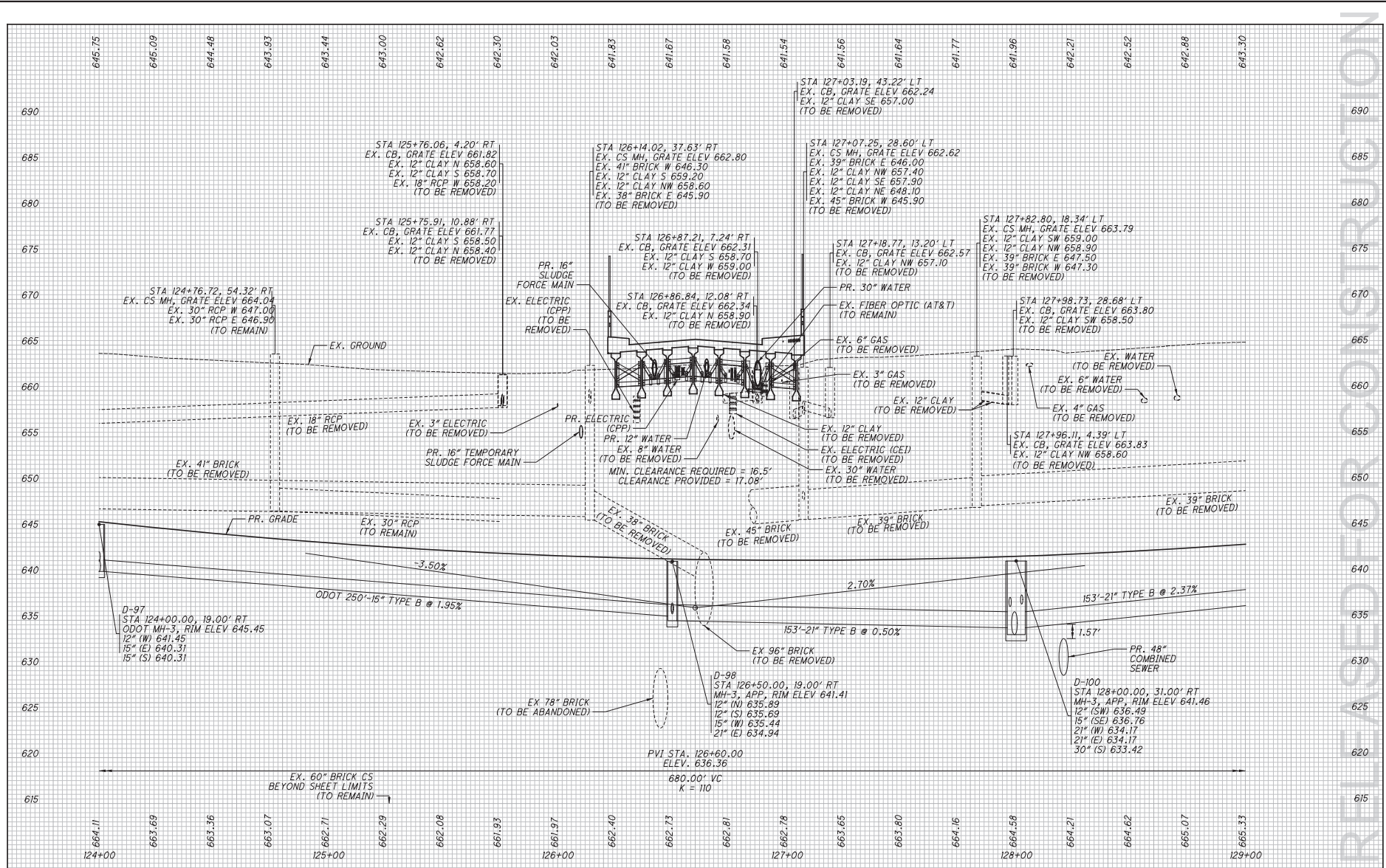


RELEASED FOR CONSTRUCTION
 PLAN - OPPORTUNITY CORRIDOR BLVD.
 STA. 124+00.00 TO STA. 129+00.00

CUY-IR490/SR010-
 2.09 / 19.28

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NO.	DATE	DESCRIPTION
2	2020-05-20	DCO39 David X. Reinhart
1	2020-01-08	DCO28
0	2019-07-29	RFC
		ISSUE RECORD



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

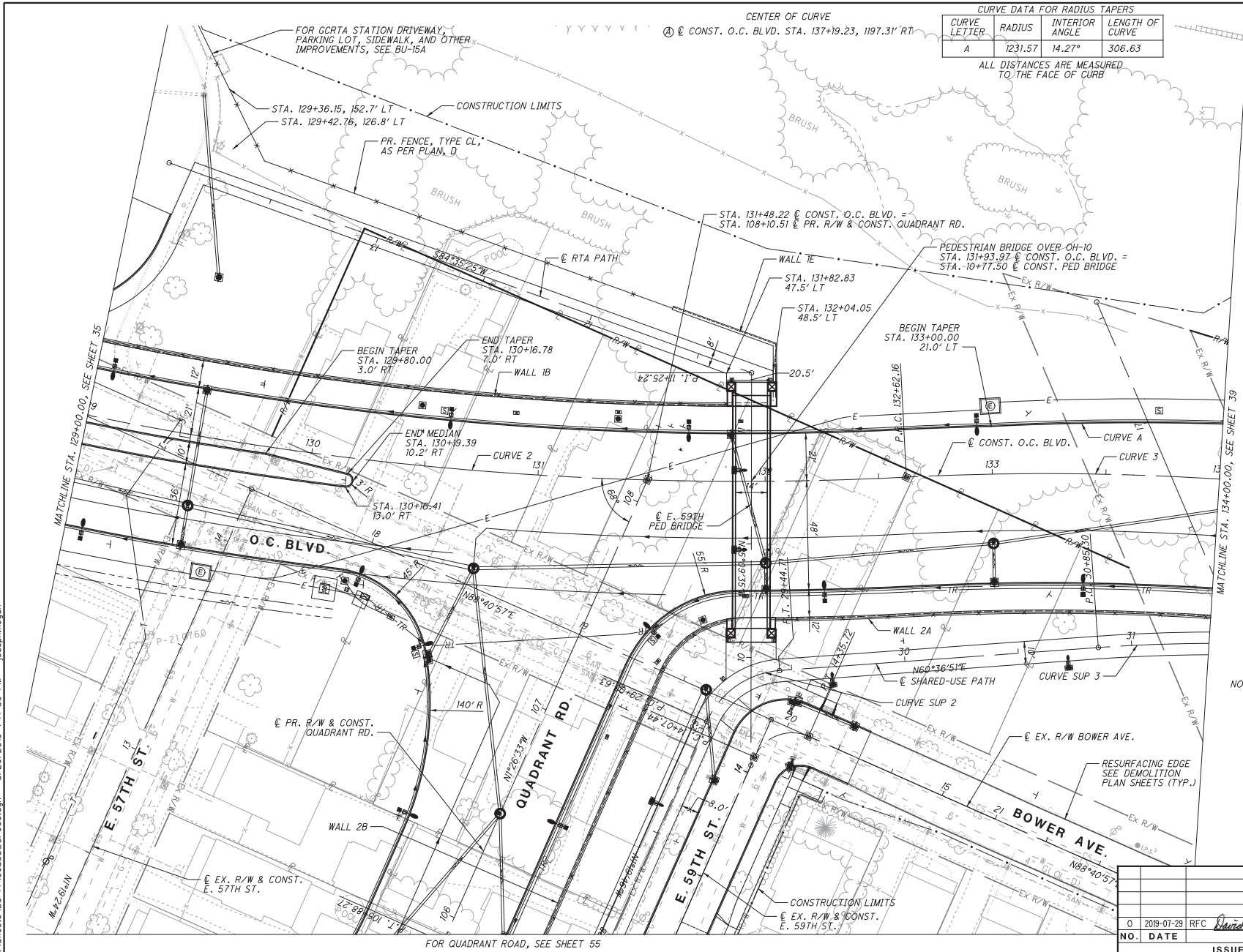
CALCULATED
 JTH
 CHECKED
 SM

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

CUY-IR490/SR010-
 2.09 / 19.28

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RELEASED FOR CONSTRUCTION



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.

FOR QUADRANT ROAD, SEE SHEET 55

NO.	DATE	DESCRIPTION
0	2019-07-29	RFC <i>David X. Reinhardt</i>
		ISSUE RECORD

RELEASED FOR CONSTRUCTION
 PLAN - OPPORTUNITY CORRIDOR BLVD.
 STA. 129+00.00 TO STA. 134+00.00
 CUY-IR490/SR010-
 2.09 / 19.28



SCALE IN FEET
 HORIZONTAL
 1" = 40'

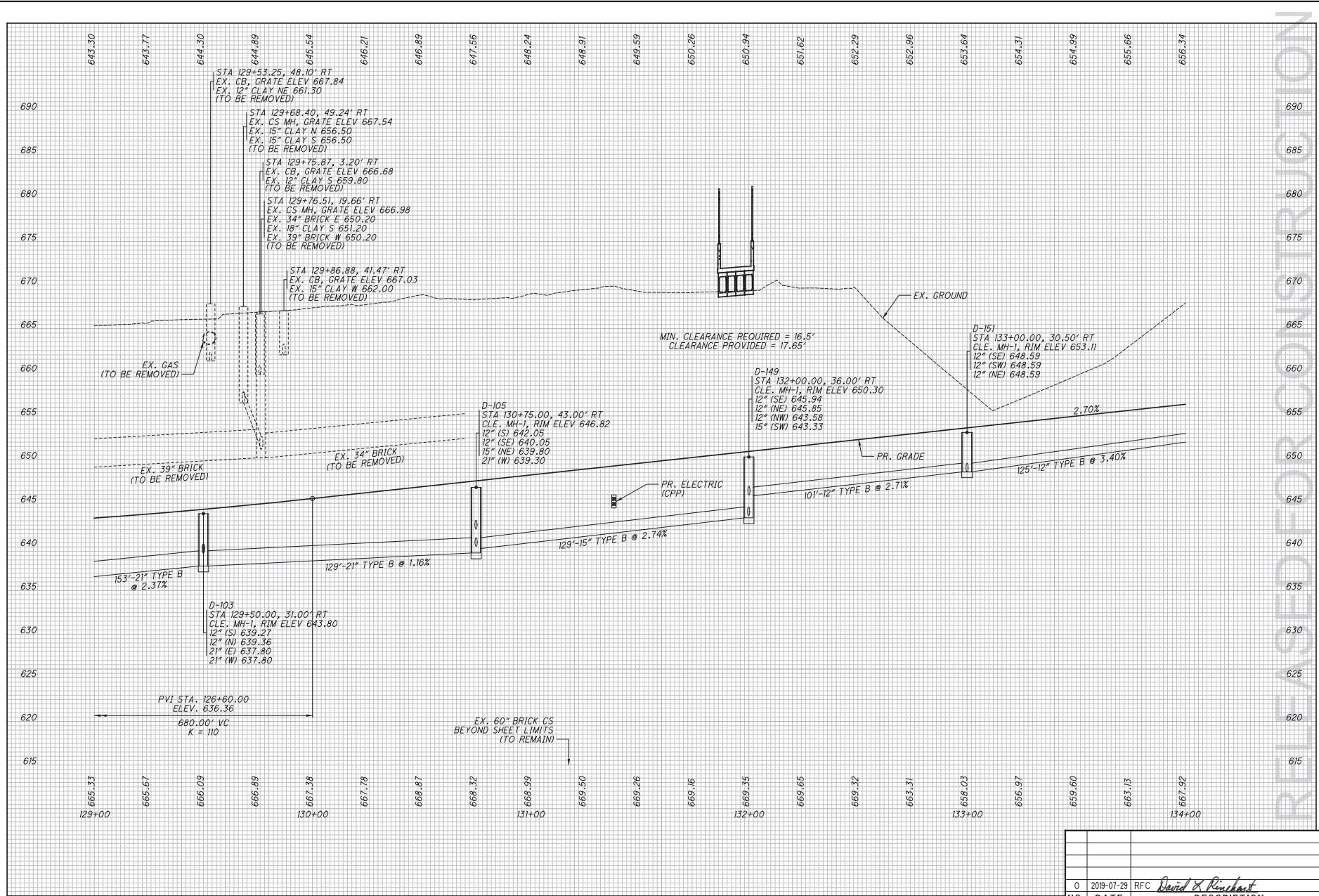
CHECKED
 SM

JTH

CALCULATED

37

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RELEASED FOR CONSTRUCTION

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

NO.	DATE	DESCRIPTION
0	2018-07-29	RFC <i>David X. Reinhardt</i>
ISSUE RECORD		

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CENTER OF CURVE
 (A) CONST. O.C. BLVD. STA. 137+19.23, 1197.31' RT
 (B) CONST. O.C. BLVD. STA. 145+71.79, 1187.93' LT

CURVE DATA FOR RADIUS TAPERS

CURVE LETTER	RADIUS	INTERIOR ANGLE	LENGTH OF CURVE
A	1231.57	14.27°	306.63
B	1179.05	15.69°	322.94

ALL DISTANCES ARE MEASURED TO THE FACE OF CURB

CONSTRUCTION LIMITS

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 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
 $\Delta = 30^{\circ}57'45''$
 $Dc = 14^{\circ}19'26''$
 $R = 400.00'$
 $T = 110.79'$
 $L = 216.16'$
 $E = 15.06'$



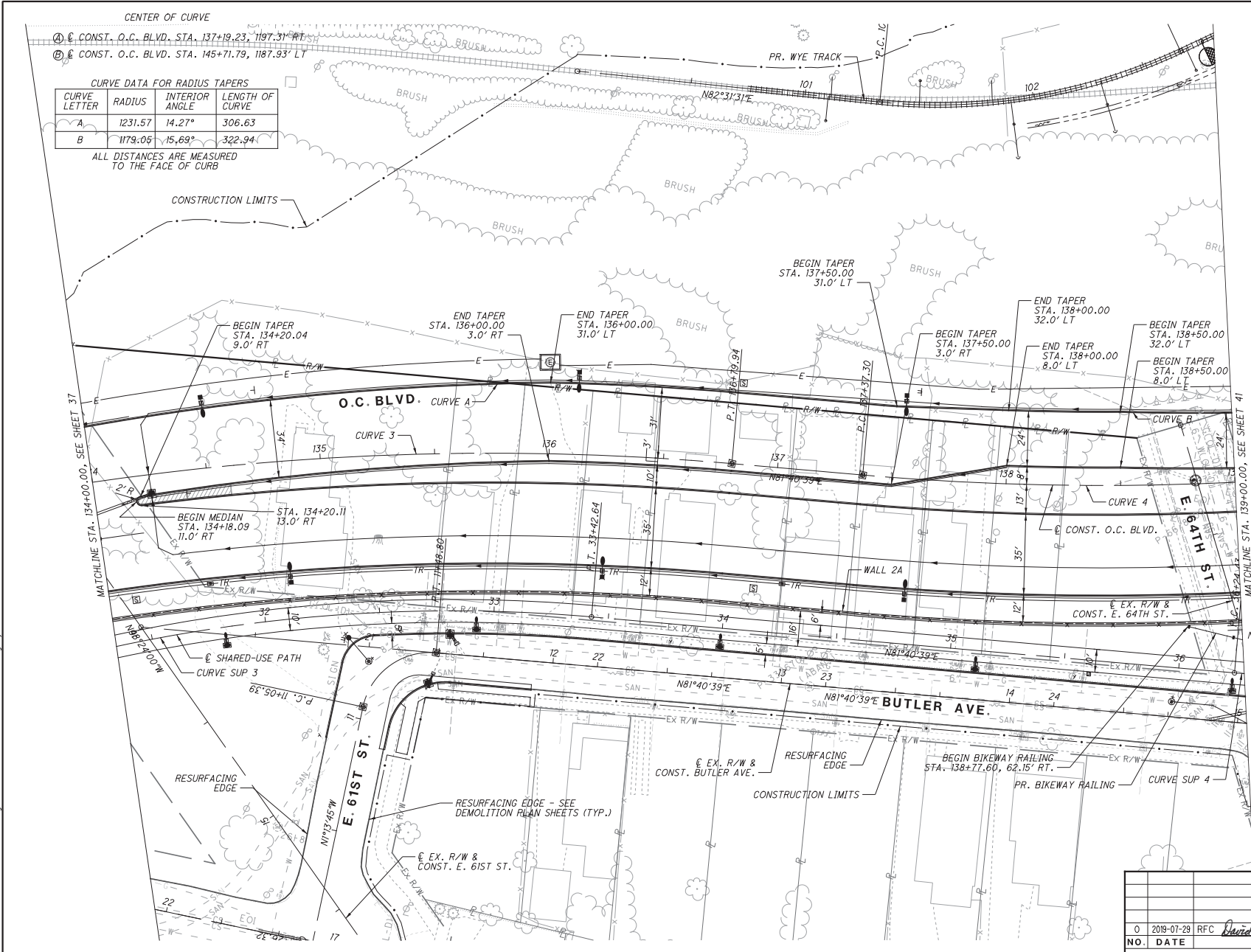
PLAN - OPPORTUNITY CORRIDOR BLVD.
 STA. 134+00.00 TO STA. 139+00.00

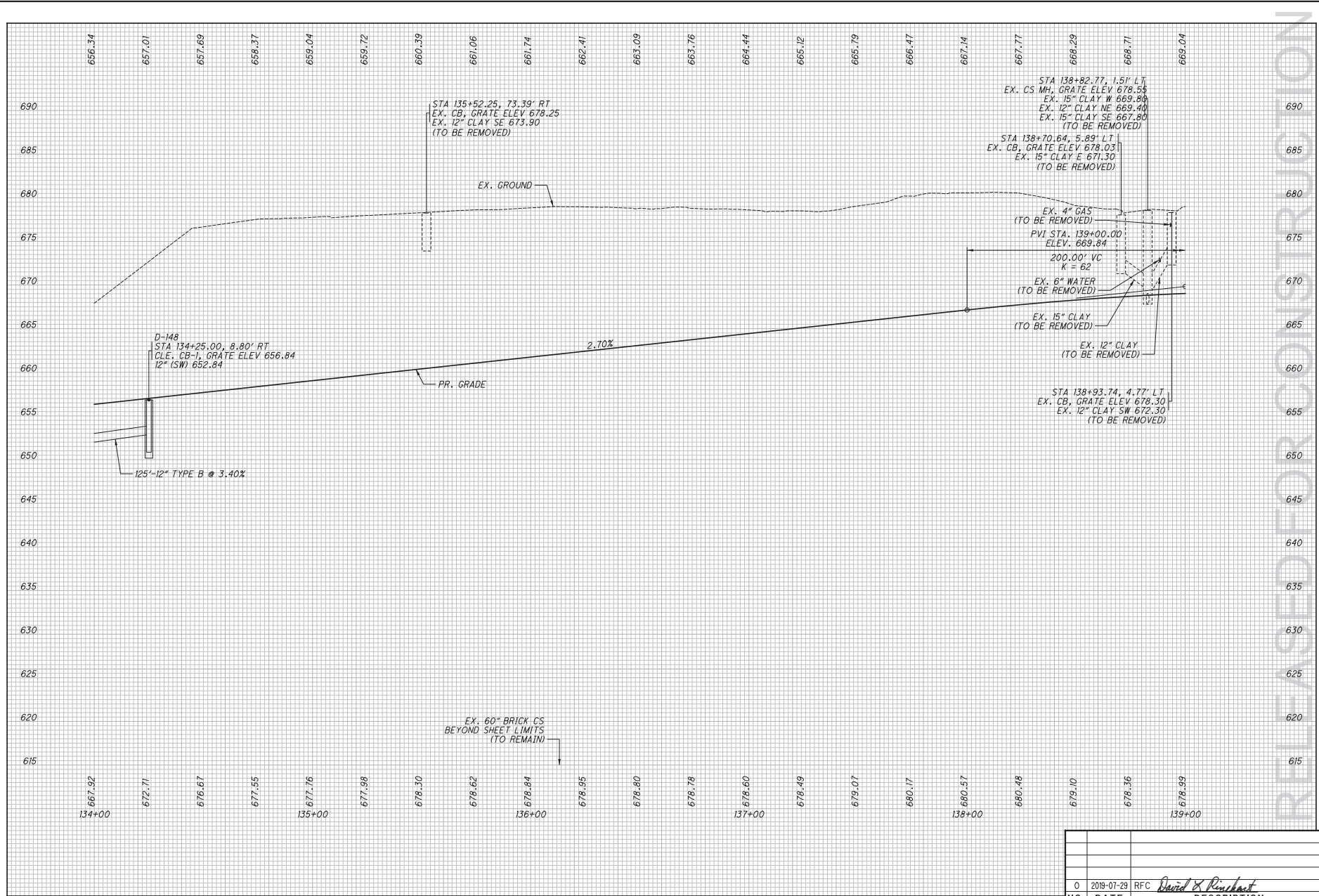
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NOTE: RIGHT-OF-WAY LINES TO BE SET AT AS-BUILTS.

NO.	DATE	DESCRIPTION
0	2019-07-29	RFC <i>David & Richard</i>
ISSUE RECORD		





NO.	DATE	DESCRIPTION
0	2018-07-29	RFC <i>David X. Reinhart</i>
ISSUE RECORD		

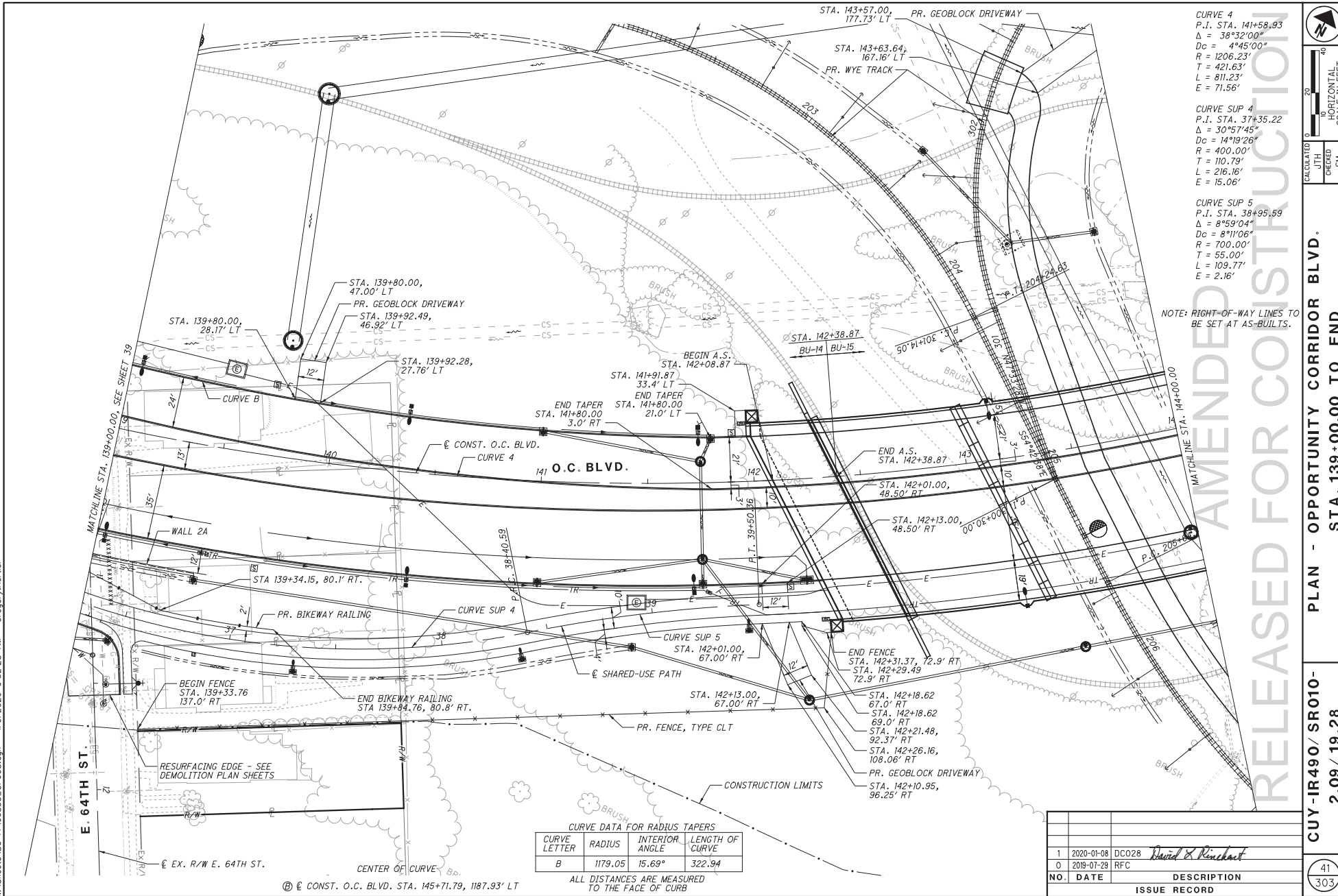
CALCULATED
JTH
CHECKED
SM

PROFILE - OPPORTUNITY CORRIDOR BLVD.
 STA. 134+00.00 TO STA. 139+00.00

CUY-IR490/SR010-
 2.09 / 19.28

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303

RELEASED FOR CONSTRUCTION



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 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
 $\Delta = 8^{\circ}59'04''$
 $Dc = 8^{\circ}11'06''$
 $R = 700.00'$
 $T = 55.00'$
 $L = 109.77'$
 $E = 2.16'$

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

CURVE DATA FOR RADIUS TAPERS

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

ALL DISTANCES ARE MEASURED TO THE FACE OF CURB



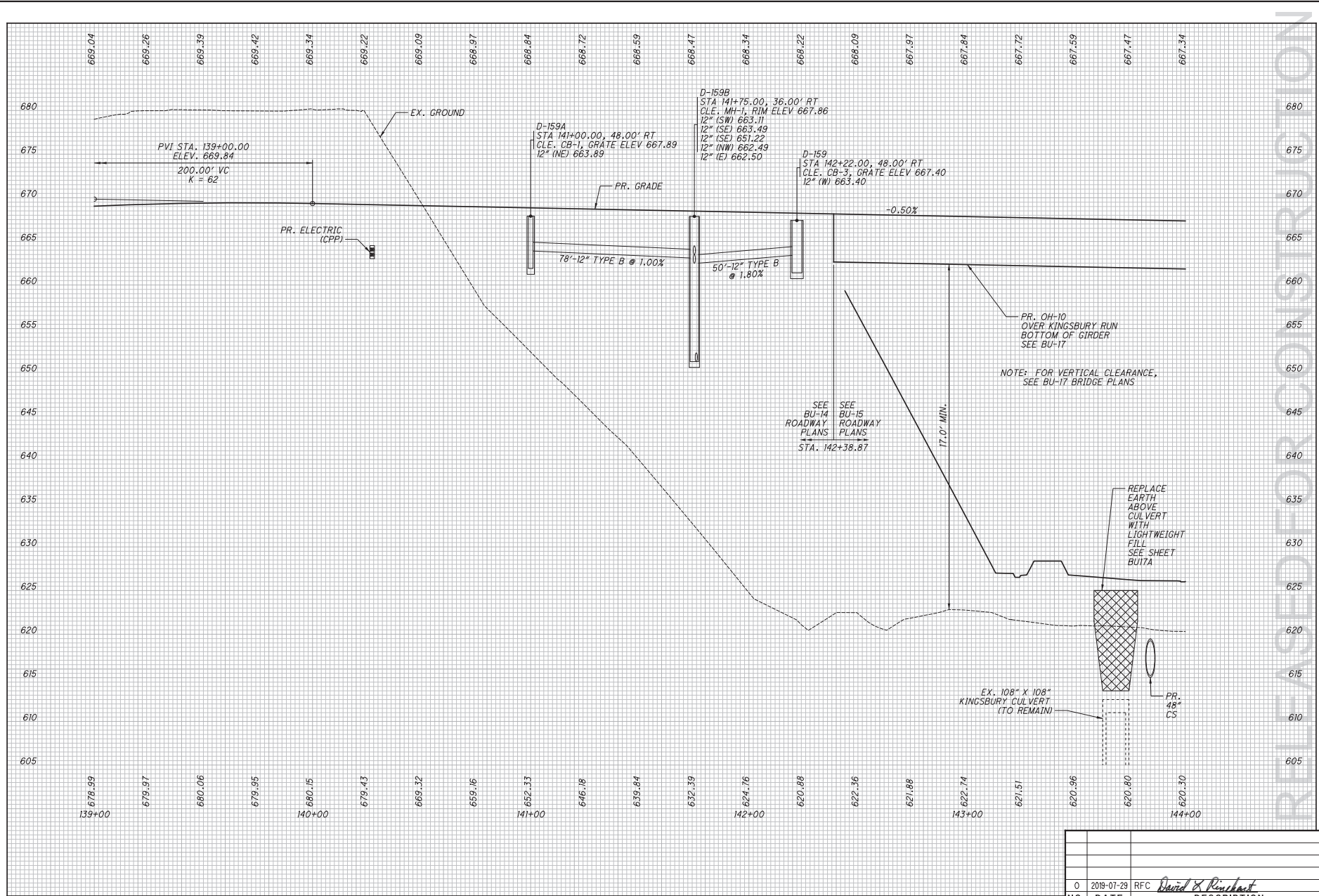
PLAN - OPPORTUNITY CORRIDOR BLVD.
 STA. 139+00.00 TO END

CUY-IR490/SR010-
 2.09 / 19.28

NO.	DATE	DESCRIPTION
1	2020-01-08	DCO28 David & Reinhardt
0	2019-07-29	RFC

ISSUE RECORD

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NO.	DATE	DESCRIPTION
0	2018-07-29	RFC <i>David X. Reinhart</i>
ISSUE RECORD		

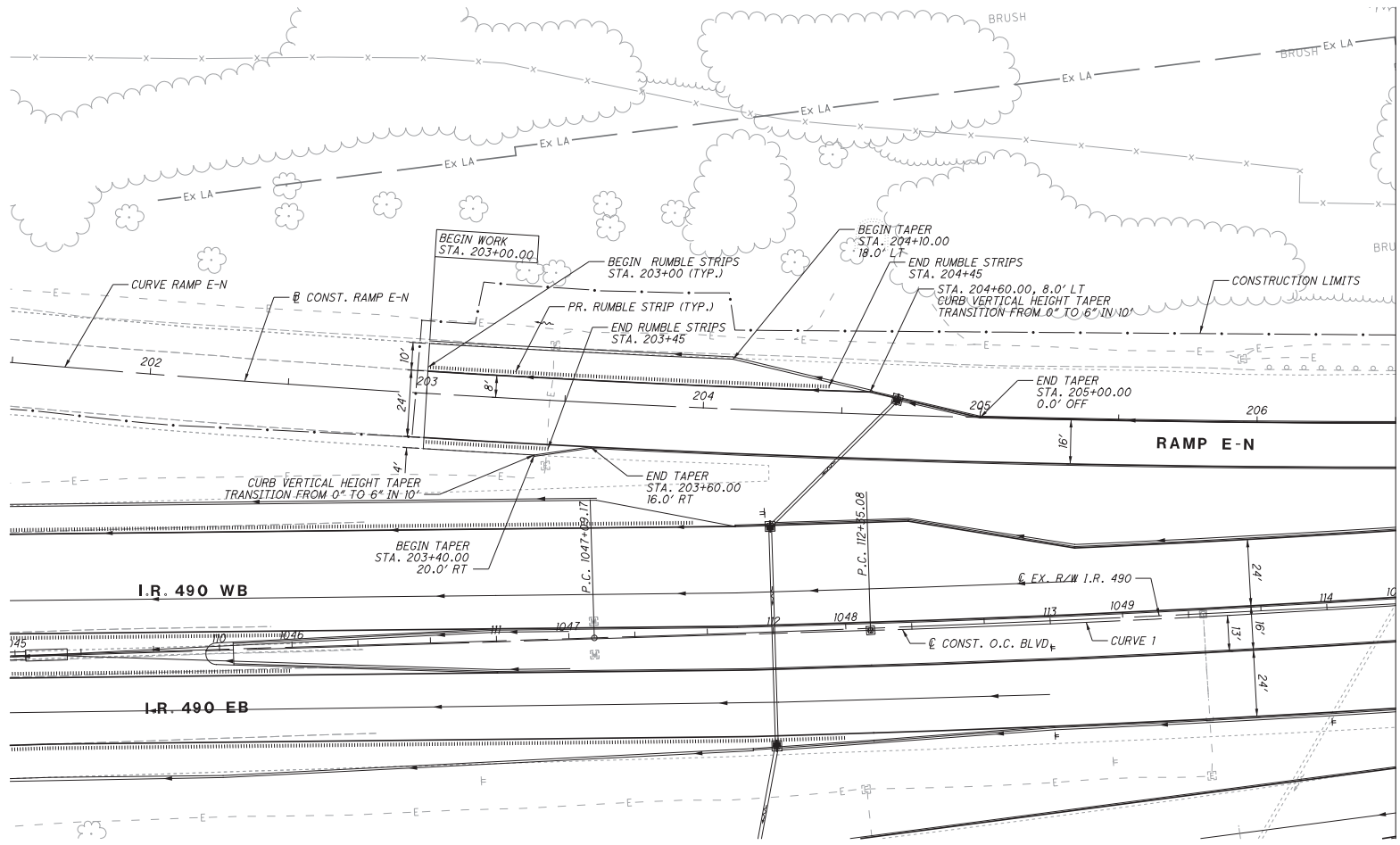
RELEASED FOR CONSTRUCTION

CALCULATED
JTH
CHECKED
SM

PROFILE - OPPORTUNITY CORRIDOR BLVD.
 STA. 139+00.00 TO END

CUY-IR490/SR010-
 2.09 / 19.28

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

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



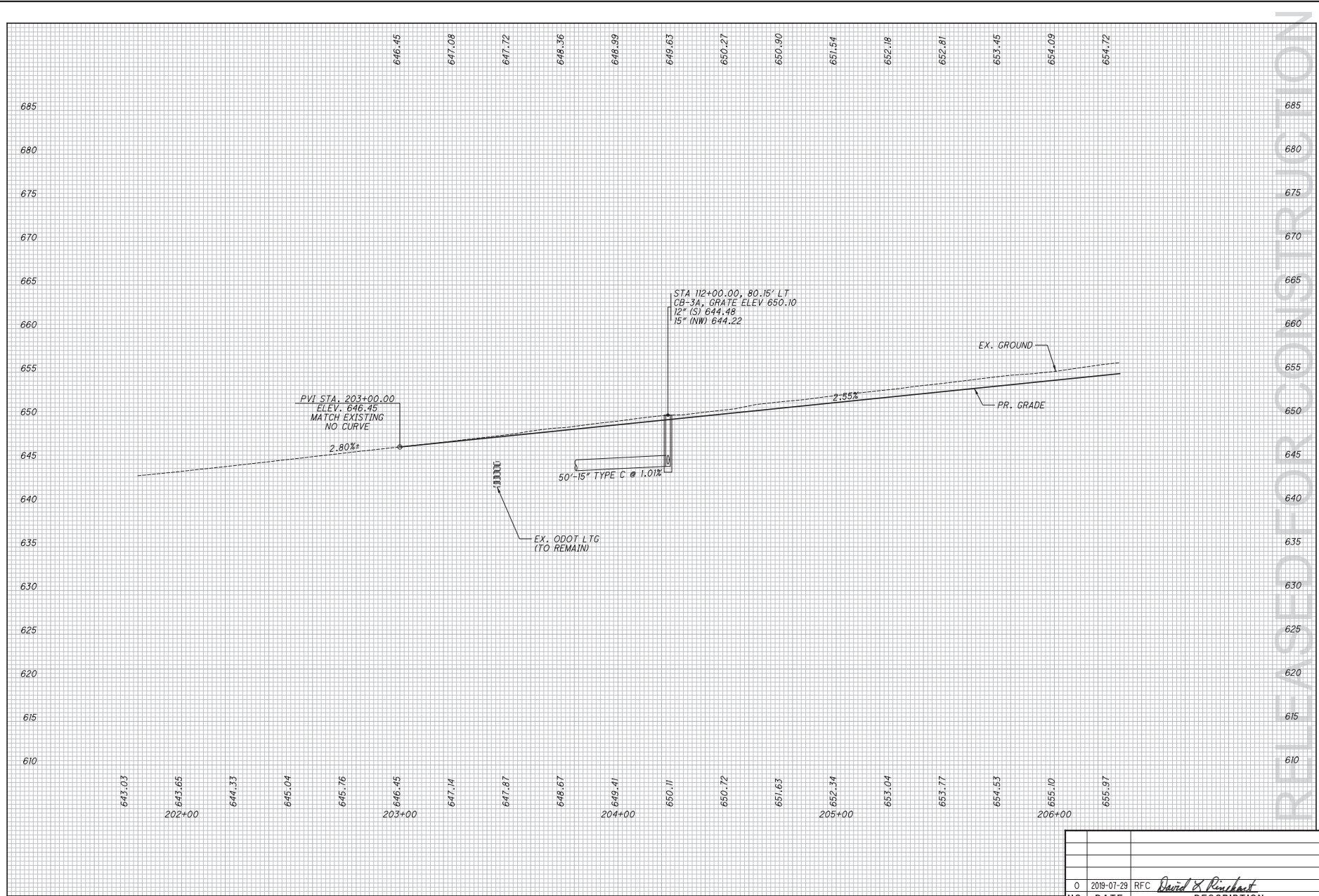
RELEASED FOR CONSTRUCTION

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

CUY-IR490/SR010-
 2.09 / 19.28

NO.	DATE	DESCRIPTION
0	2019-07-29	RFC <i>David X. Reinhardt</i>
ISSUE RECORD		

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RELEASED FOR CONSTRUCTION

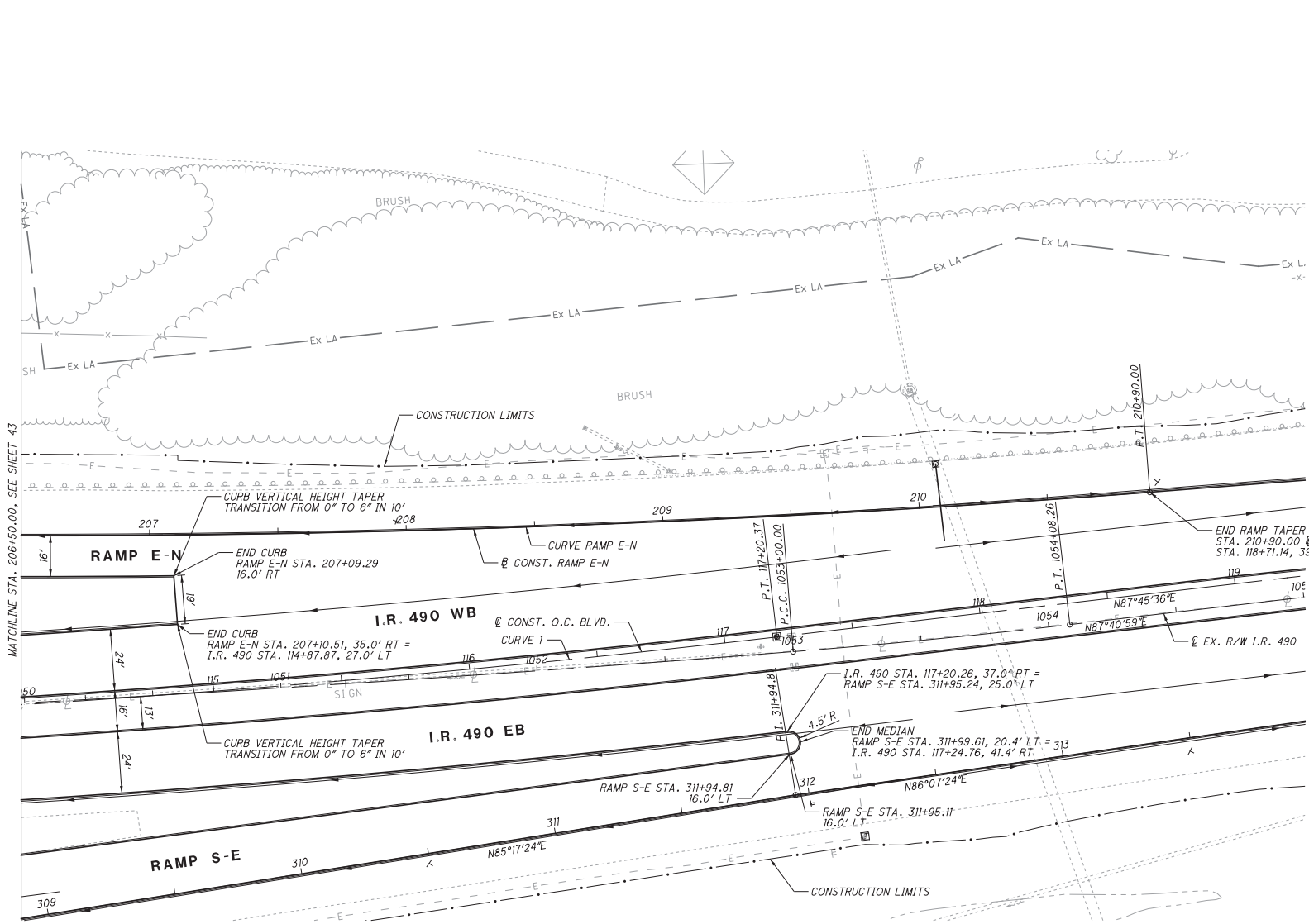
NO.	DATE	DESCRIPTION
0	2019-07-29	RFC <i>David X. Reinhart</i>
ISSUE RECORD		

CALCULATED	JTH
CHECKED	SM

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

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

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



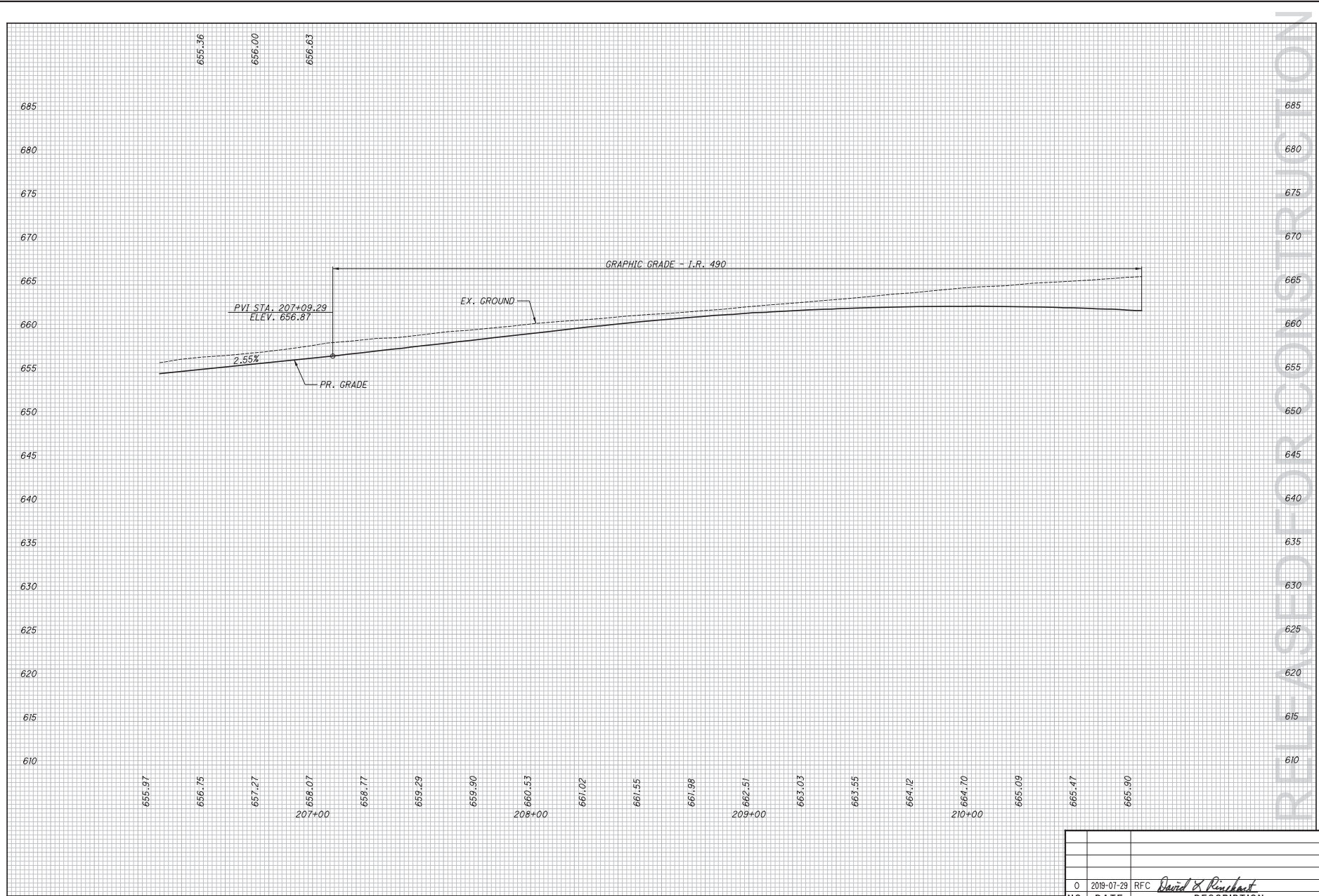
RELEASED FOR CONSTRUCTION

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

CUY-IR490/SR010-
 2.09 / 19.28

NO.	DATE	DESCRIPTION
0	2018-07-29	RFC <i>David X. Reinhardt</i>
ISSUE RECORD		

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NO.	DATE	DESCRIPTION
0	2018-07-29	RFC <i>David X. Reinhart</i>
ISSUE RECORD		

RELEASED FOR CONSTRUCTION

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



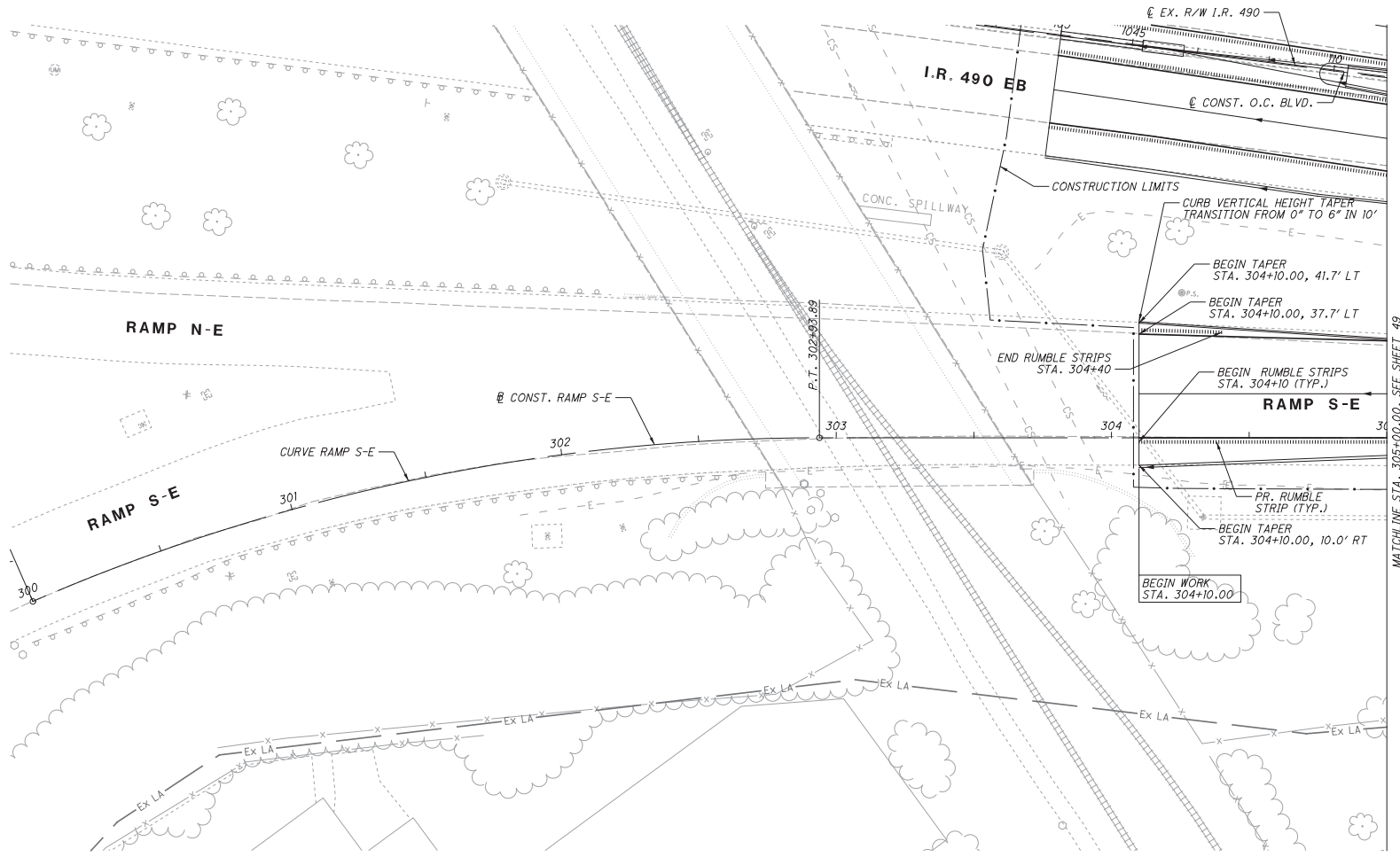
CALCULATED
 JTH
 CHECKED
 SM

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

CUY-IR490/SR010-
 2.09 / 19.28

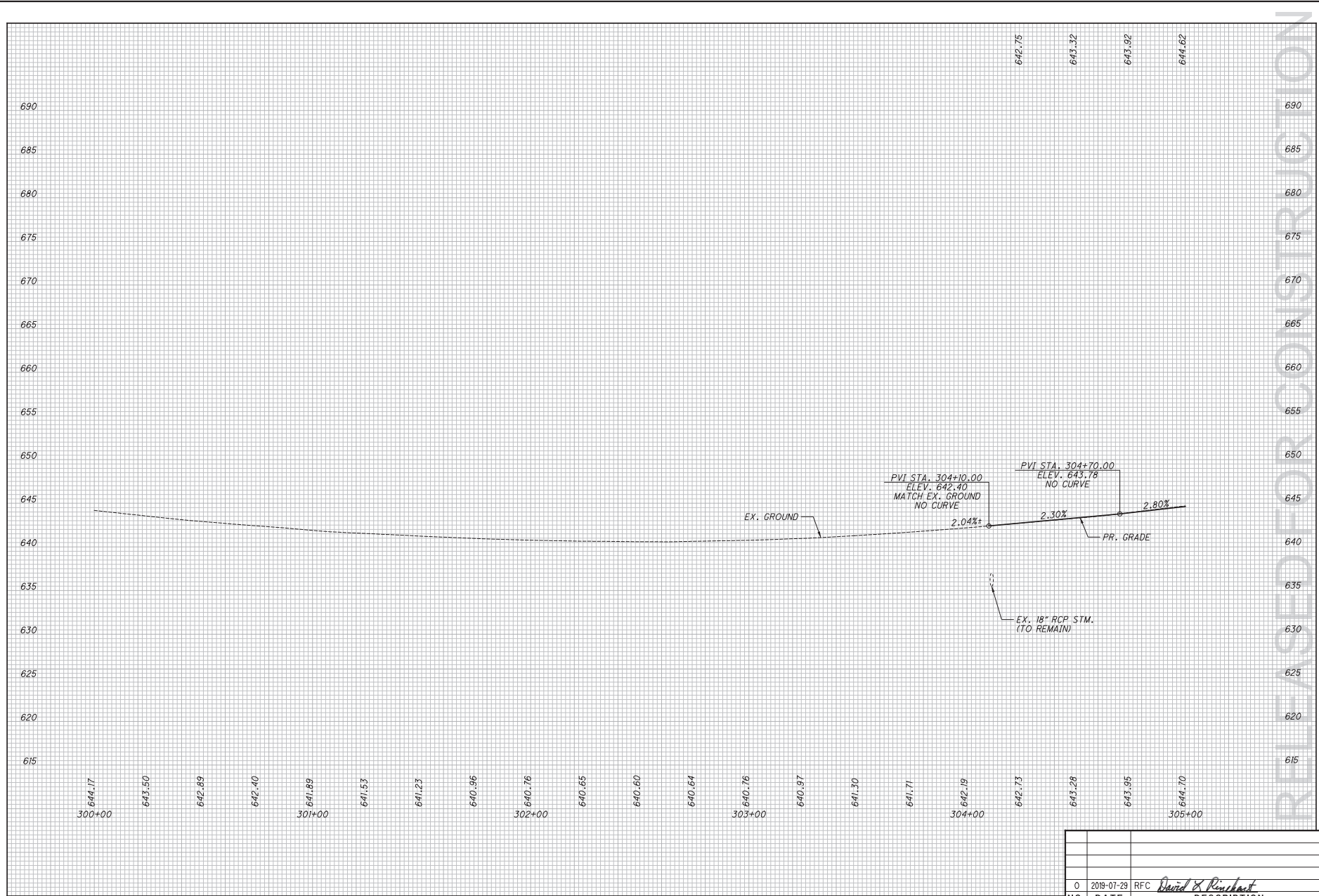
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RELEASED FOR CONSTRUCTION



MATCHLINE STA. 305+00.00, SEE SHEET 49

NO.	DATE	DESCRIPTION
0	2018-07-29	RFC <i>David X. Reinhardt</i>
ISSUE RECORD		



NO.	DATE	DESCRIPTION
0	2018-07-29	RFC <i>David X. Reinhart</i>
ISSUE RECORD		

RELEASED FOR CONSTRUCTION

CALCULATED
JTH
CHECKED
SM

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

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 2.09 / 19.28

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



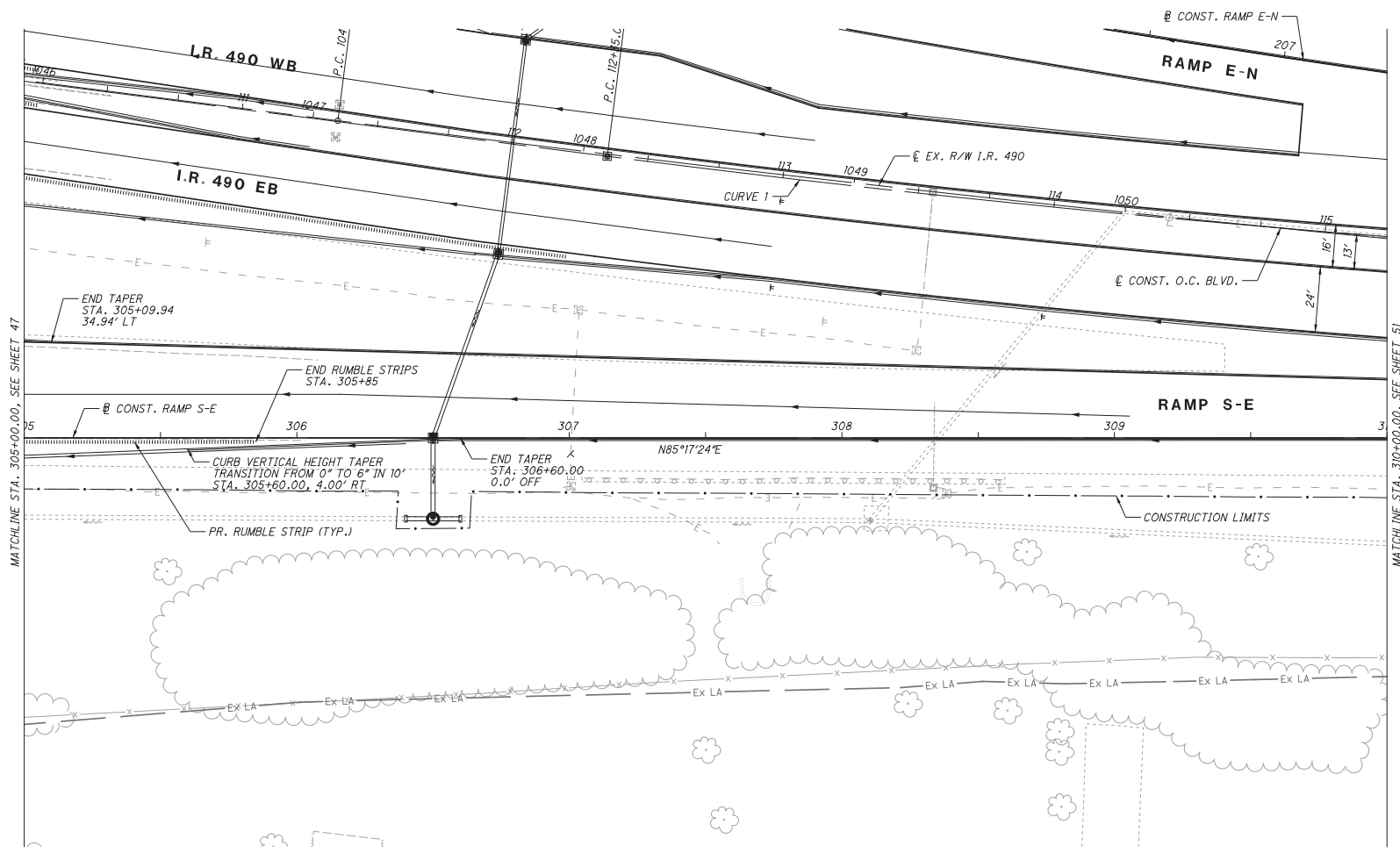
0 20 40
 HORIZONTAL SCALE IN FEET
 CALCULATED JTH CHECKED SM

PLAN - RAMP S-E
 STA. 305+00.00 TO STA. 310+00.00

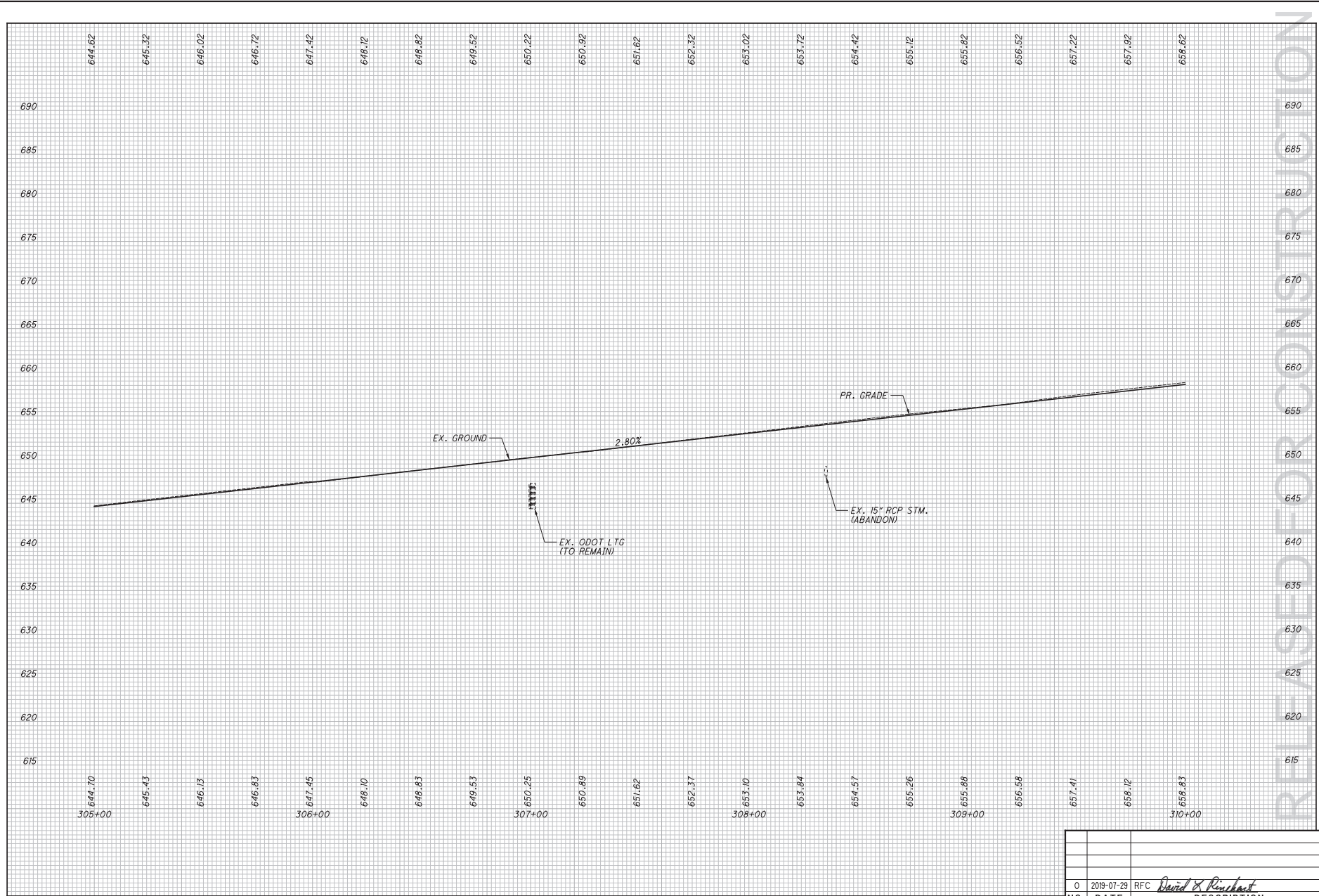
CUY-IR490/SR010-
 2.09 / 19.28

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RELEASED FOR CONSTRUCTION



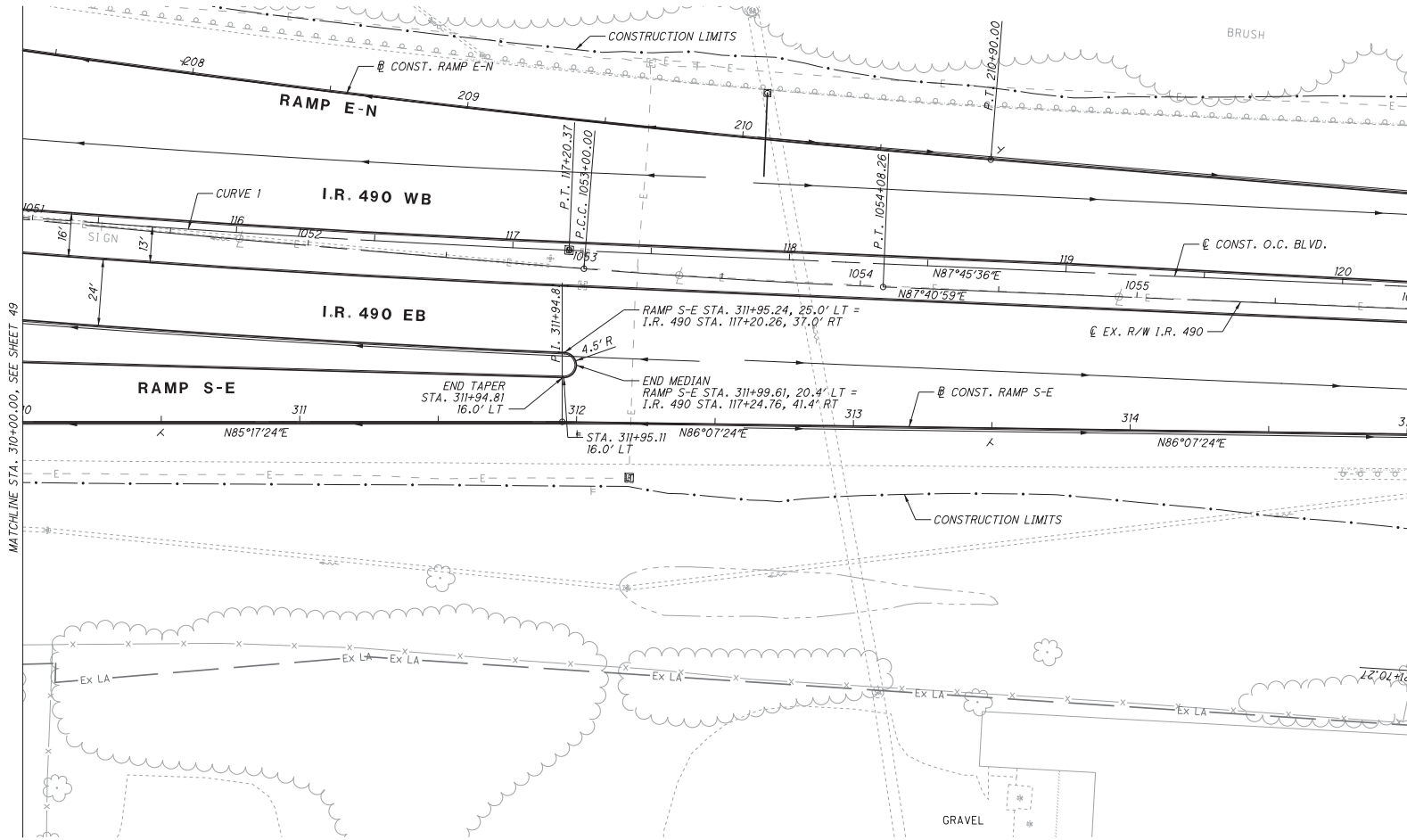
NO.	DATE	DESCRIPTION
0	2018-07-29	RFC <i>David X. Reinhardt</i>
ISSUE RECORD		



NO.	DATE	DESCRIPTION
0	2018-07-29	RFC <i>David X. Reinhart</i>
ISSUE RECORD		

RELEASED FOR CONSTRUCTION

CUY-IR490 / SR010- 2.09 / 19.28	PROFILE - RAMP S-E STA. 305+00.00 TO STA. 310+00.00
CALCULATED JTH	CHECKED SM



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



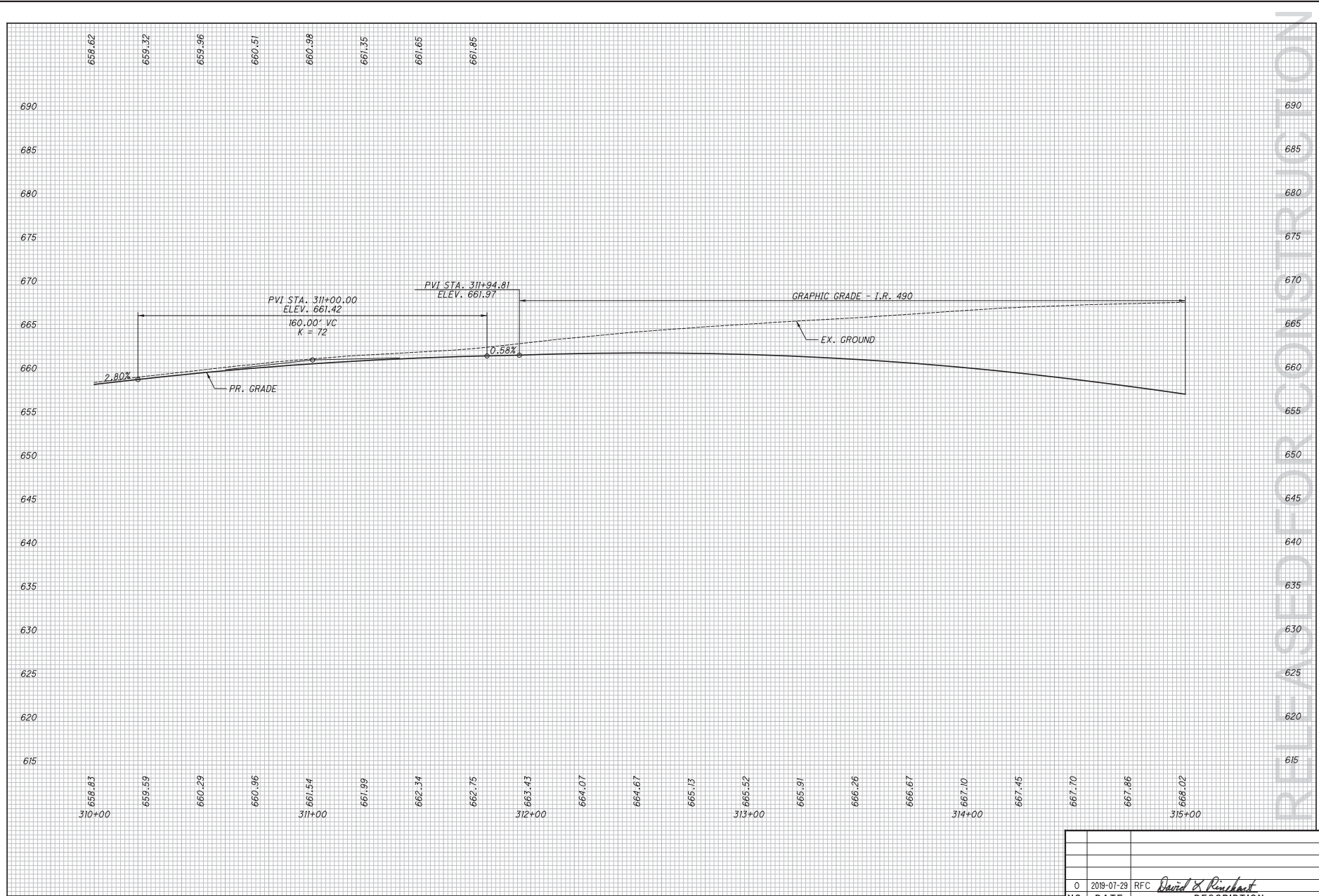
RELEASED FOR CONSTRUCTION

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

CUY-IR490/SR010-
 2.09 / 19.28

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

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NO.	DATE	DESCRIPTION
0	2018-07-29	RFC <i>David X. Reinhart</i>
ISSUE RECORD		

RELEASED FOR CONSTRUCTION

PROFILE - RAMP S-E STA. 310+00.00 TO END	CALCULATED JTH CHECKED SM
CUY-IR490 / SR010- 2.09 / 19.28	52 303

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

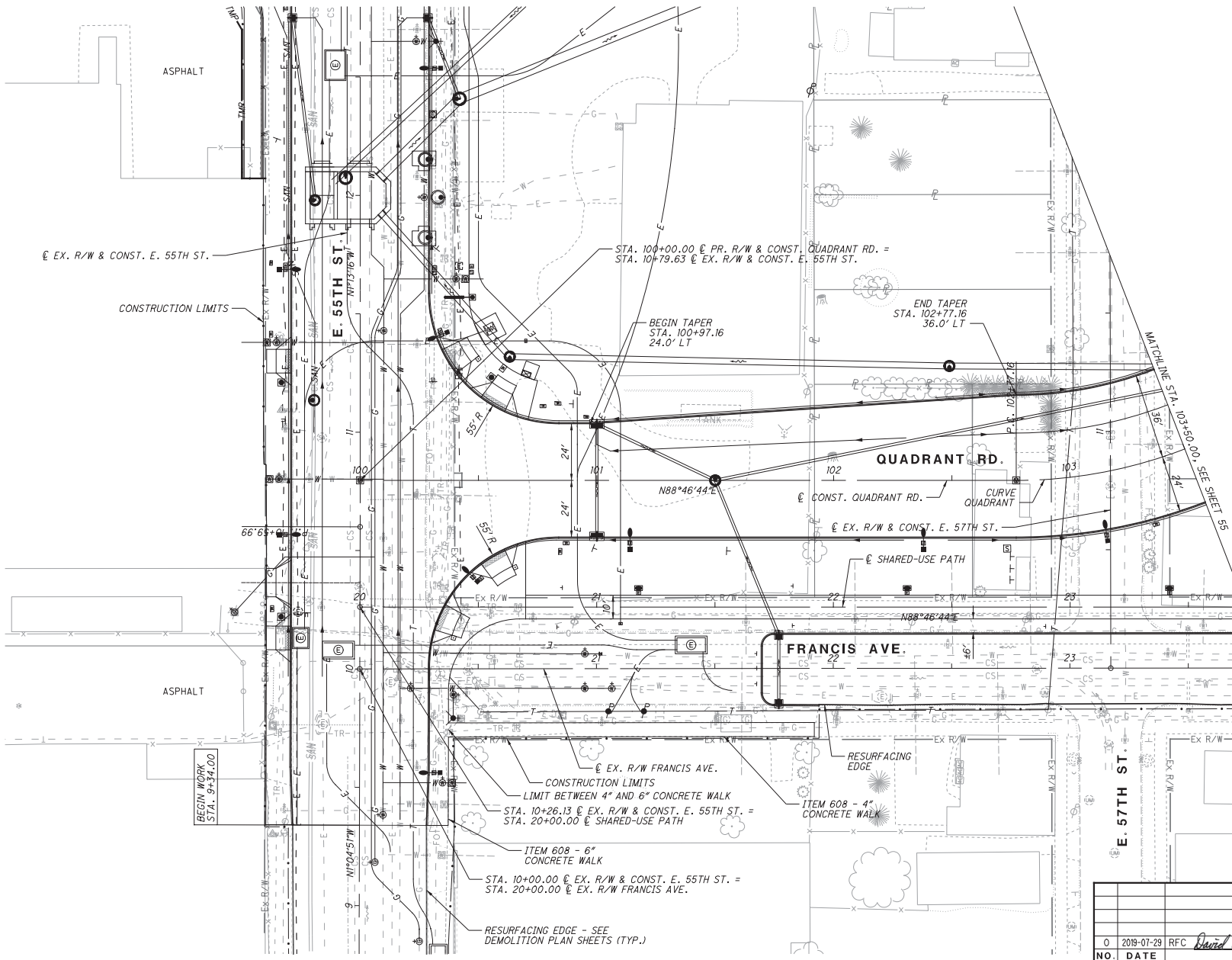


PLAN - QUADRANT RD.
 BEGIN TO STA. 103+50.00

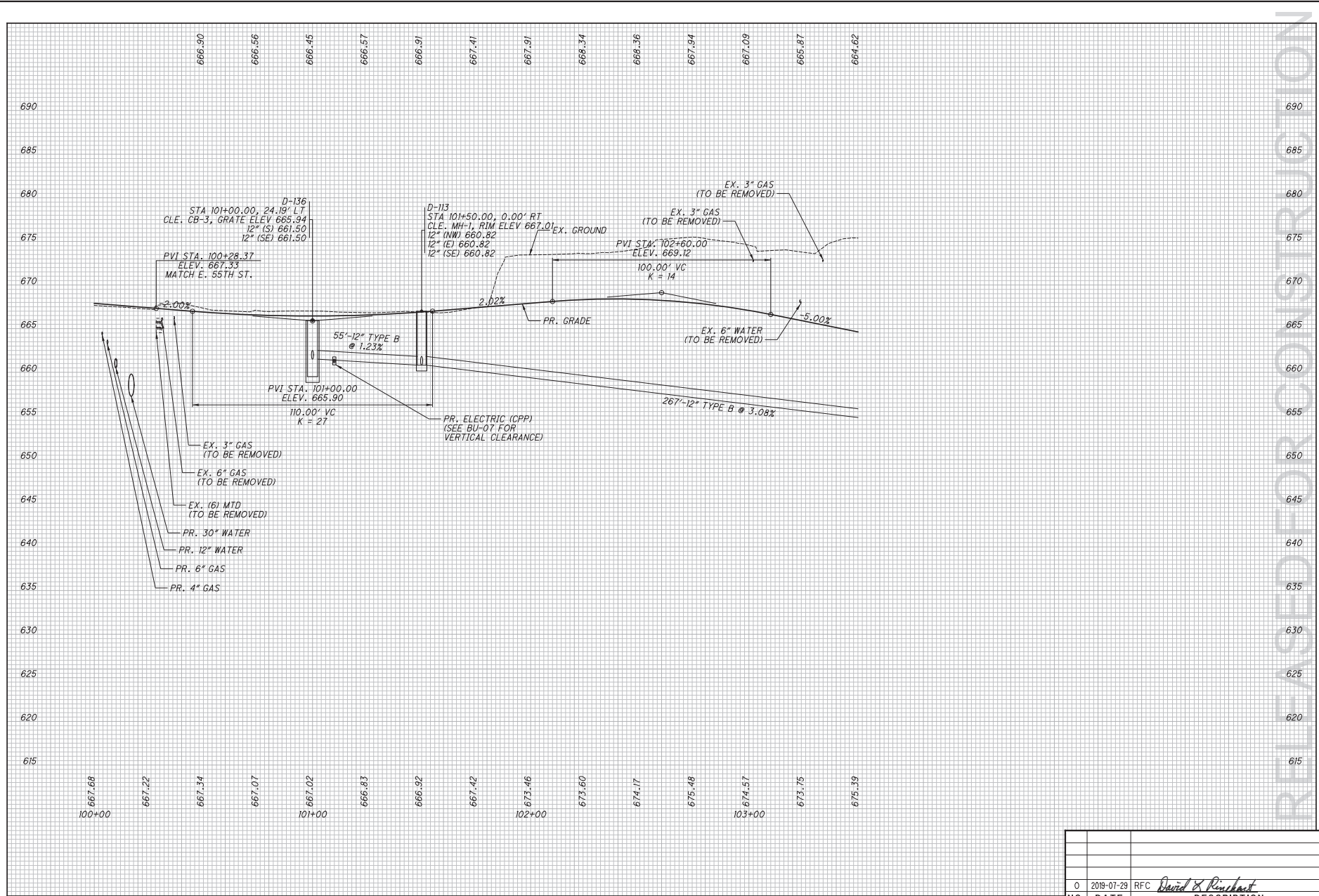
CUY-IR490/SR010-
 2.09 / 19.28

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 303

RELEASED FOR CONSTRUCTION



NO.	DATE	DESCRIPTION
0	2019-07-29	RFC <i>David X. Reinhardt</i>
ISSUE RECORD		



RELEASED FOR CONSTRUCTION

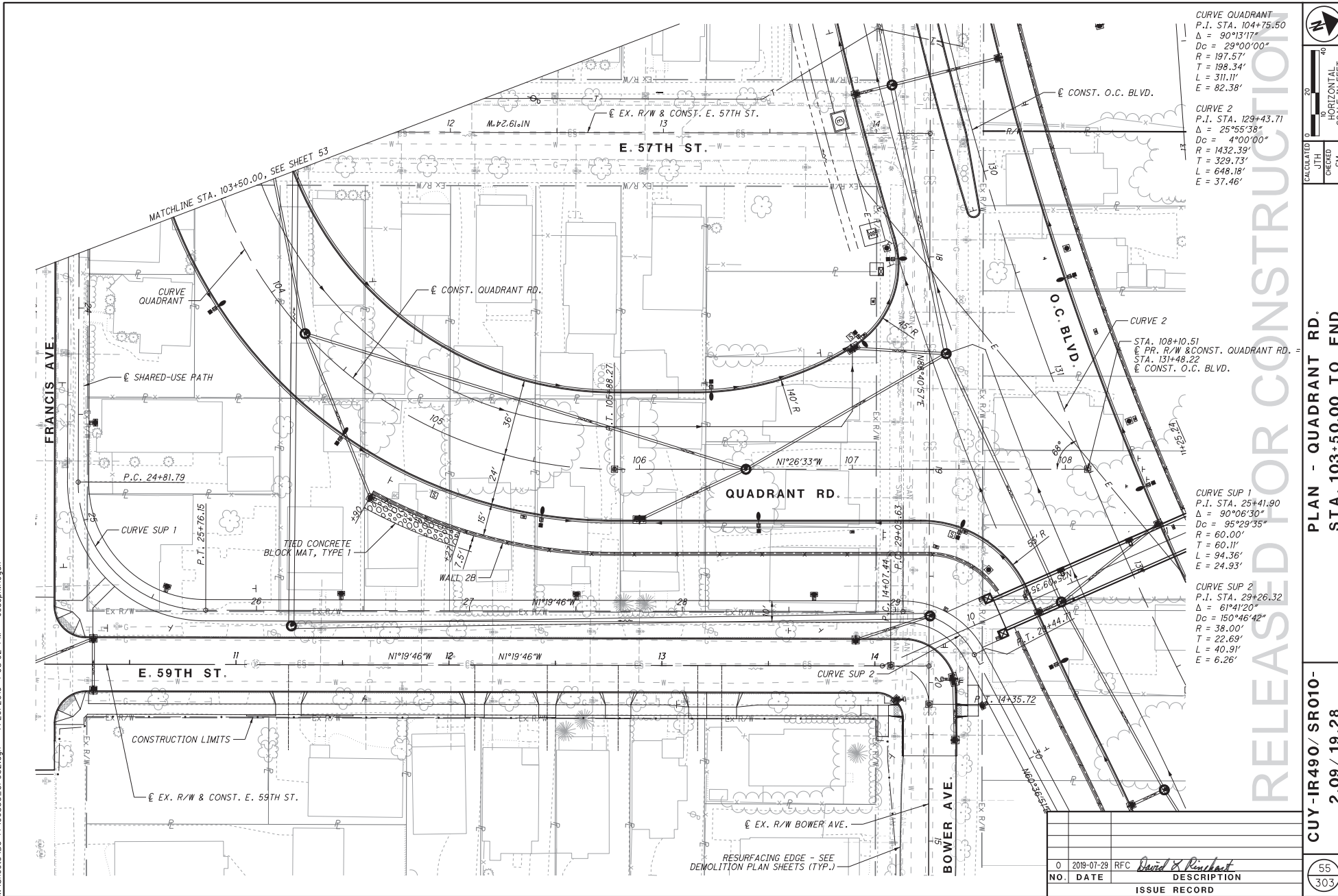
CALCULATED
 JTH
 CHECKED
 SM

PROFILE - QUADRANT ROAD
 BEGIN TO STA. 103+50.00

CUY-IR490 / SR010-
 2.09 / 19.28

NO.	DATE	DESCRIPTION
0	2019-07-29	RFC <i>David X. Reinhart</i>
ISSUE RECORD		

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

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

CURVE SUP 2
 P.I. STA. 29+26.32
 $\Delta = 61^{\circ}41'20''$
 $D_c = 150^{\circ}46'42''$
 $R = 38.00'$
 $T = 22.69'$
 $L = 40.91'$
 $E = 6.26'$



CALCULATED	JTH	CHECKED	SM
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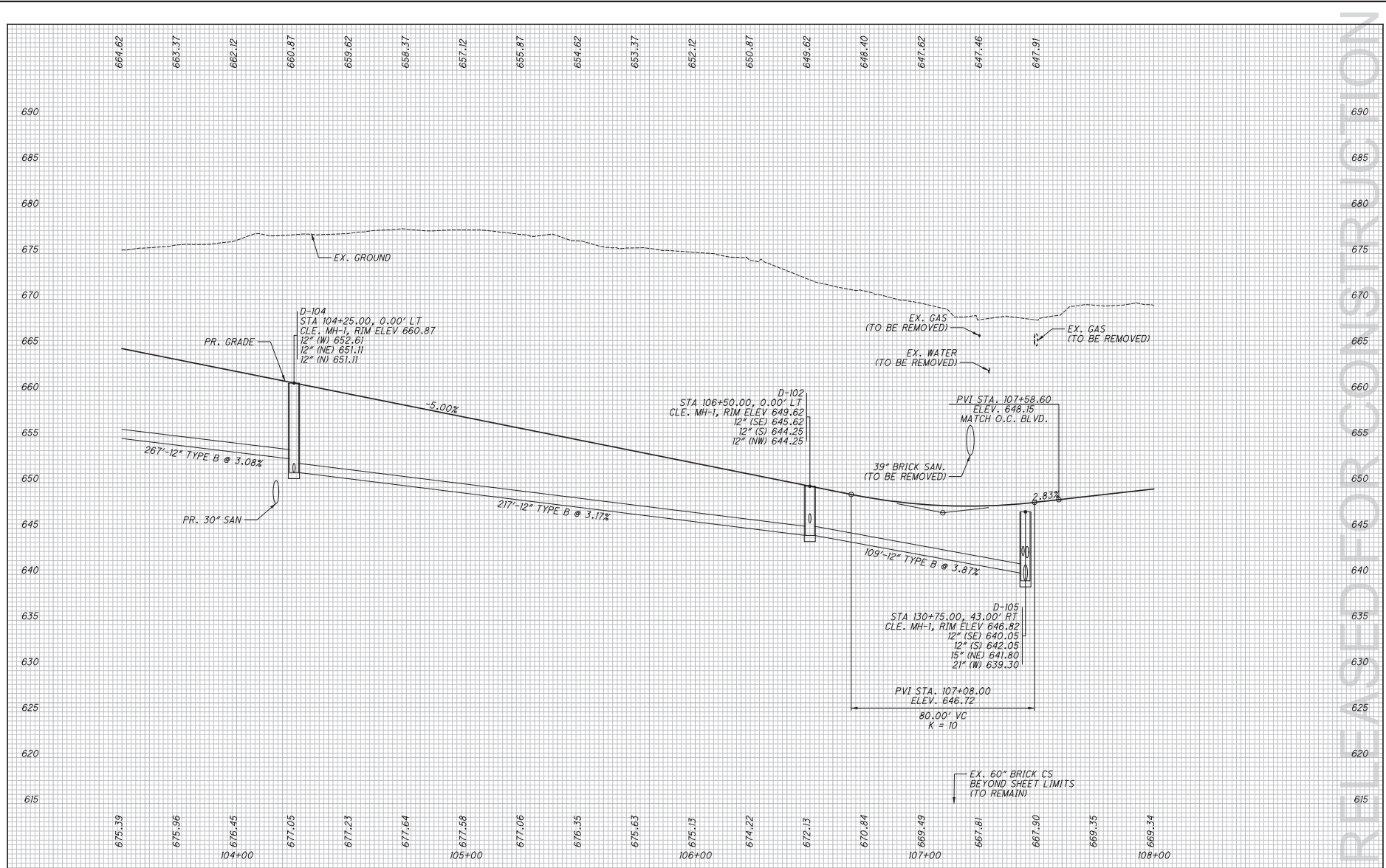
PLAN - QUADRANT RD.
 STA. 103+50.00 TO END

CUY-IR490/SR010-
 2.09 / 19.28

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 303

NO.	DATE	DESCRIPTION
0	2019-07-29	RFC <i>David X. Reinhardt</i>
ISSUE RECORD		

RESURFACING EDGE - SEE
 DEMOLITION PLAN SHEETS (TYP.)

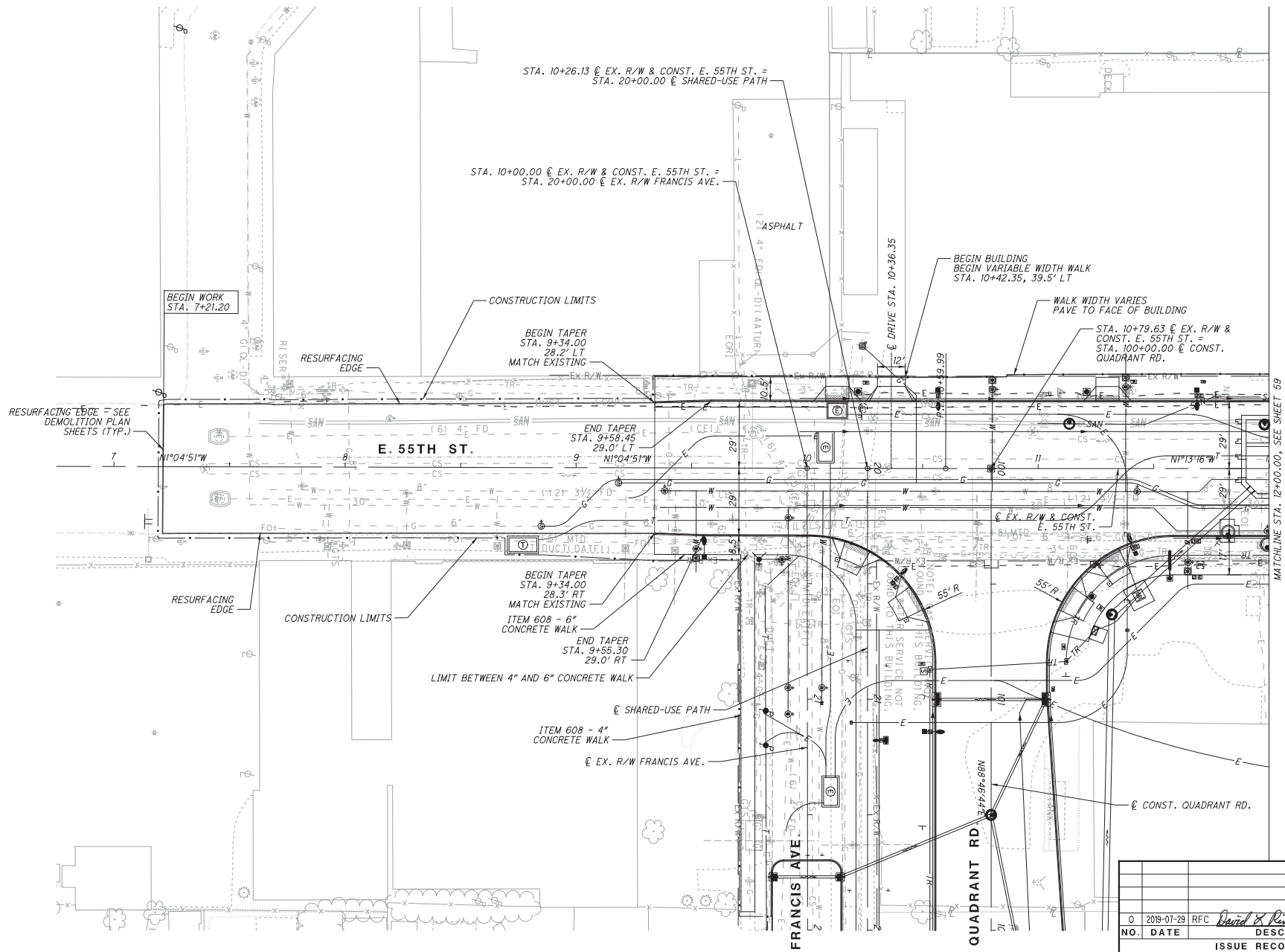


RELEASED FOR CONSTRUCTION

CALCULATED JTH
 CHECKED SM
PROFILE - QUADRANT ROAD
STA. 103+50.00 TO END

CUY-IR490 / SR010-
 2.09 / 19.28

NO.	DATE	DESCRIPTION
0	2018-07-29	RFV <i>David X. Reinhardt</i>
ISSUE RECORD		



MATCHLINE STA. 12+00.00, SEE SHEET 59

RELEASED FOR CONSTRUCTION

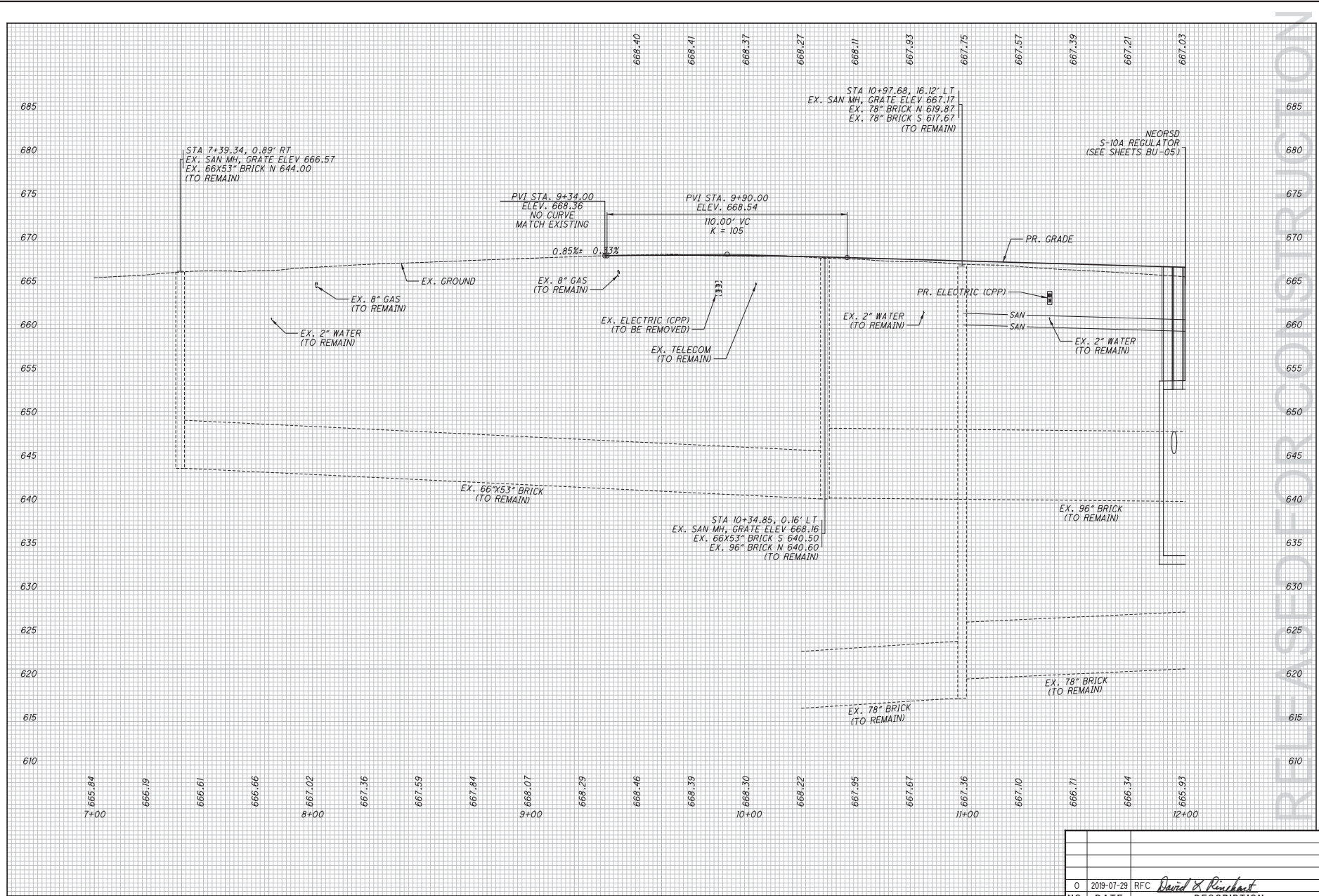


PLAN - E. 55TH ST.
 BEGIN TO STA. 12+00.00

CUY-IR490/SR010-
 2.09 / 19.28

57
 303

NO.	DATE	DESCRIPTION
0	2019-07-29	RFC <i>David & Richard</i>
ISSUE RECORD		



NO.	DATE	DESCRIPTION
0	2019-07-29	RFC <i>David X. Reinhardt</i>
ISSUE RECORD		

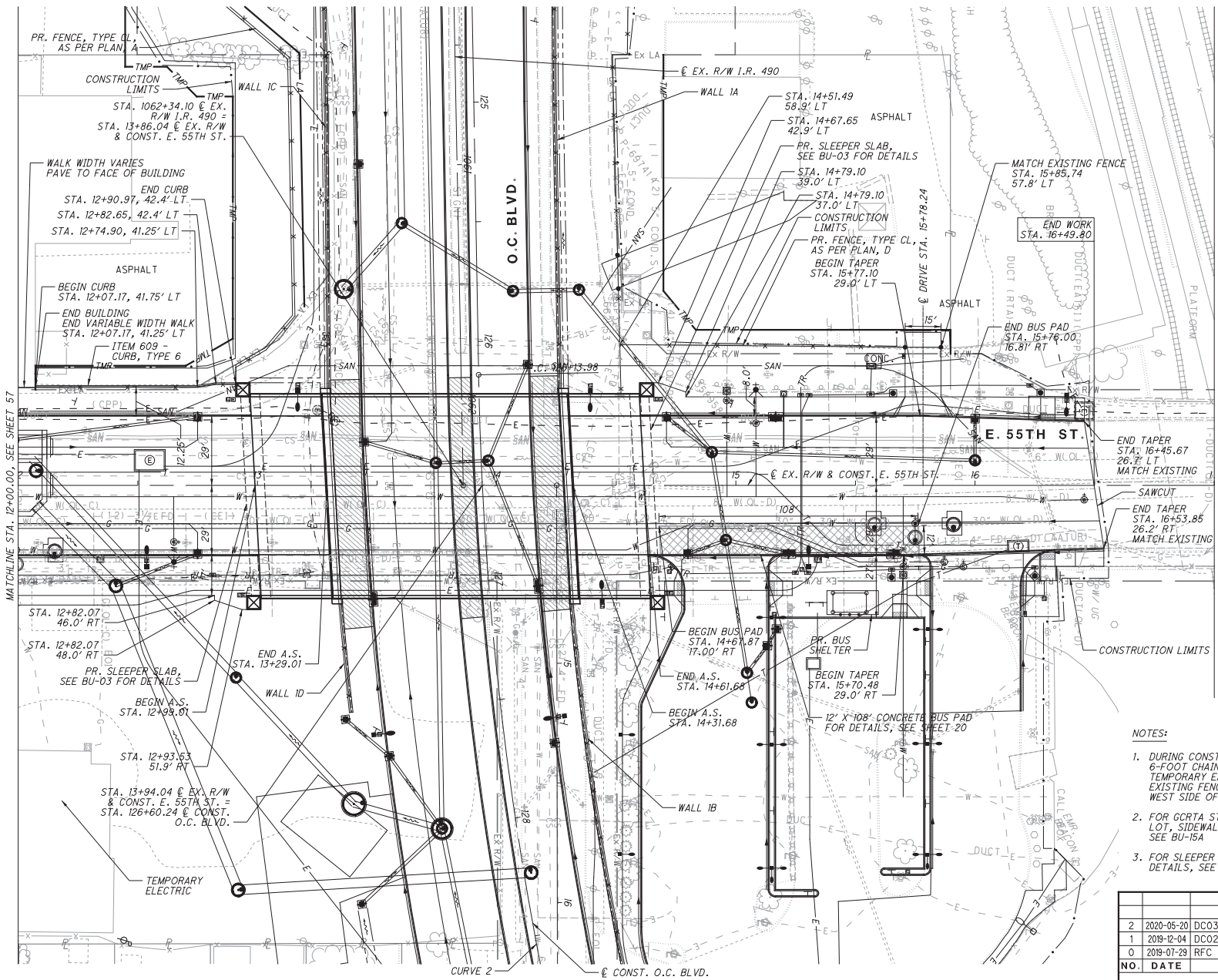
CALCULATED
 JTH
 CHECKED
 SM

PROFILE - E. 55TH ST.
 BEGIN TO STA. 12+00.00

CUY-IR490/SR010-
 2.09 / 19.28

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 303

RELEASED FOR CONSTRUCTION



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



CALCULATED
 JTH
 CHECKED
 SM

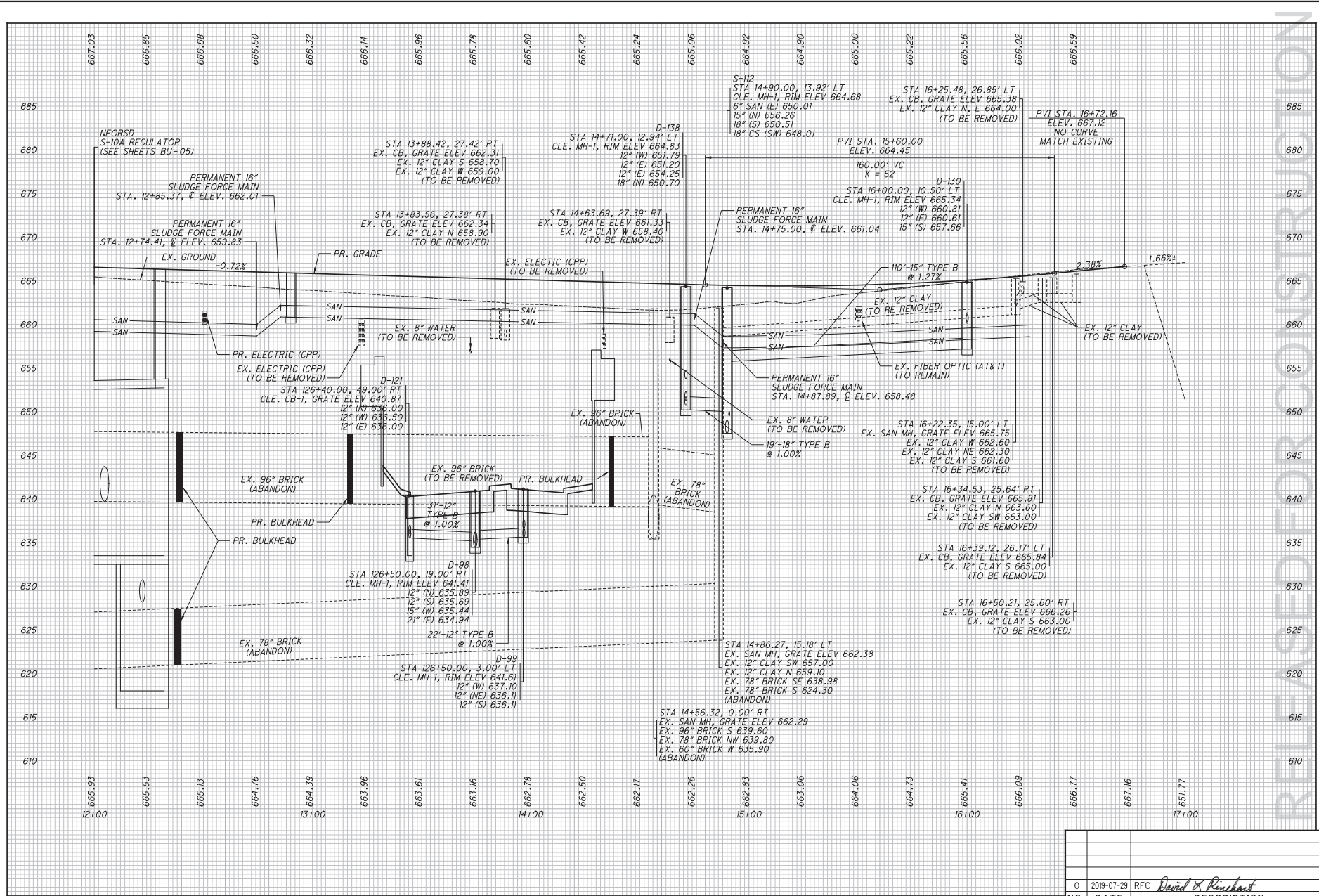
AMENDED
 SED FOR CONSTRUCTION
 PLAN - E. 55TH ST.
 STA. 12+00.00 TO STA. 17+00.00

- NOTES:
1. DURING CONSTRUCTION, PROVIDE TEMPORARY 6-FOOT CHAIN LINK FENCE ALONG TEMPORARY EASEMENT THAT MATCHES EXISTING FENCING TO SECURE GRCHA SITE ON WEST SIDE OF E. 55TH STREET.
 2. FOR GRCHA 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
2	2020-05-20	DCO39 David X. Reinhart
1	2019-12-04	DCO24
0	2019-07-29	RFC
		ISSUE RECORD

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 2.09 / 19.28

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 303



NO.	DATE	DESCRIPTION
0	2018-07-29	RFC <i>David X. Reinhardt</i>
		ISSUE RECORD

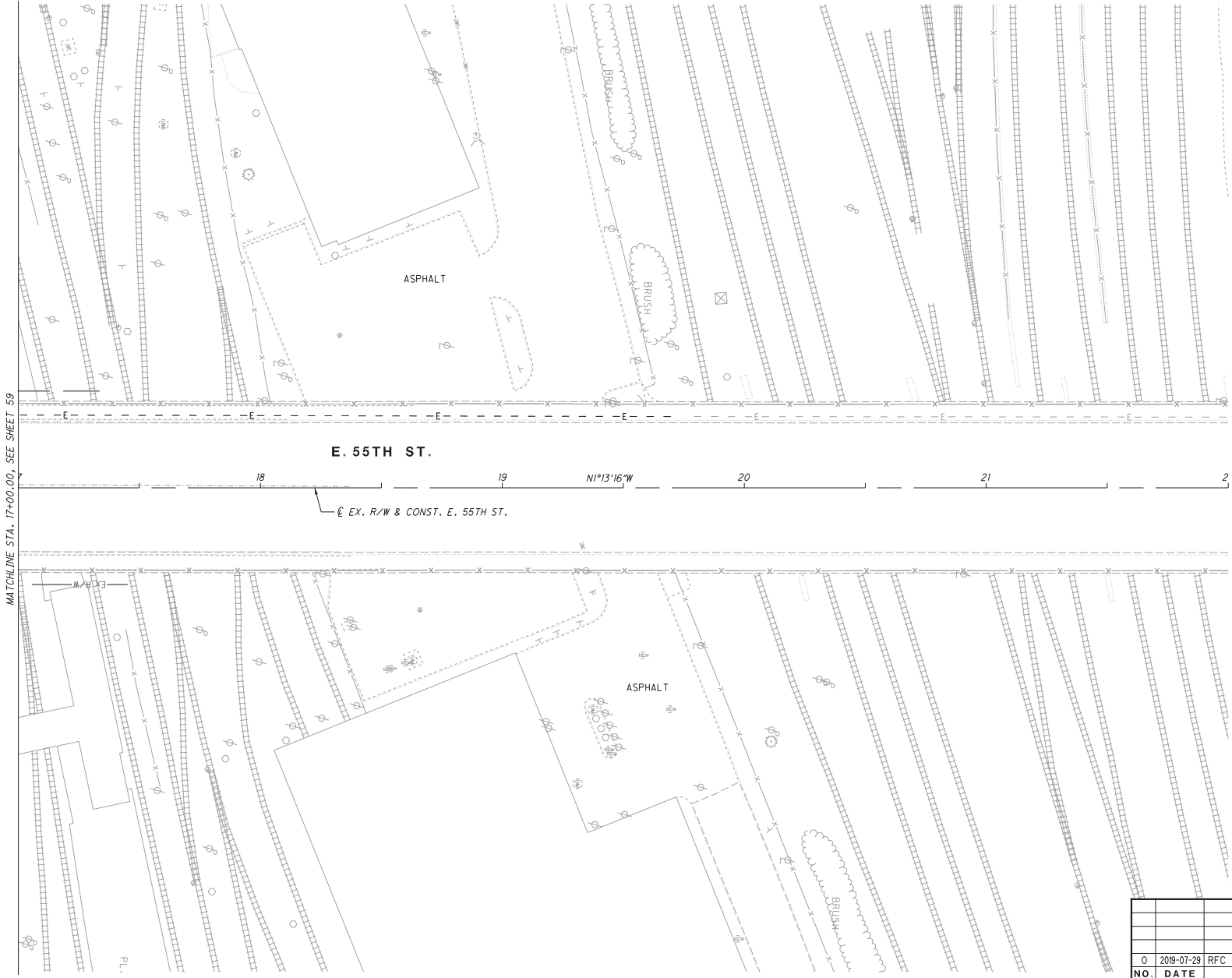
CALCULATED
 JTH
 CHECKED
 SM

PROFILE - E. 55TH ST.
 STA. 12+00.00 TO STA. 17+00.00

CUY-IR490/SR010-
 2.09 / 19.28

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RELEASED FOR CONSTRUCTION



NO.	DATE	DESCRIPTION
0	2018-07-29	RFC <i>David X. Reinhart</i>
ISSUE RECORD		



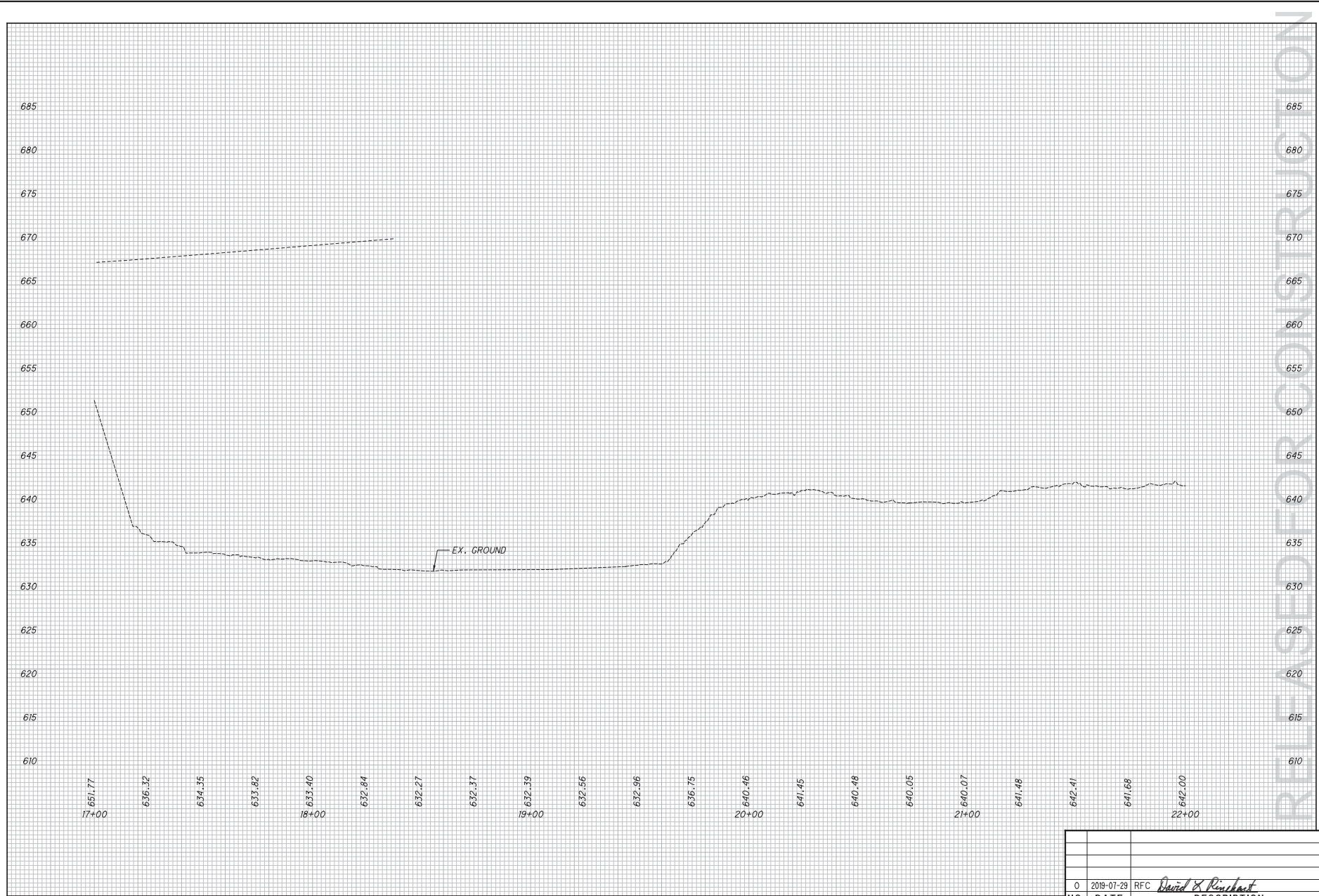
CALCULATED BY JTH
 CHECKED BY SM

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

CUY-IR490/SR010-
 2.09 / 19.28

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 303

RELEASED FOR CONSTRUCTION



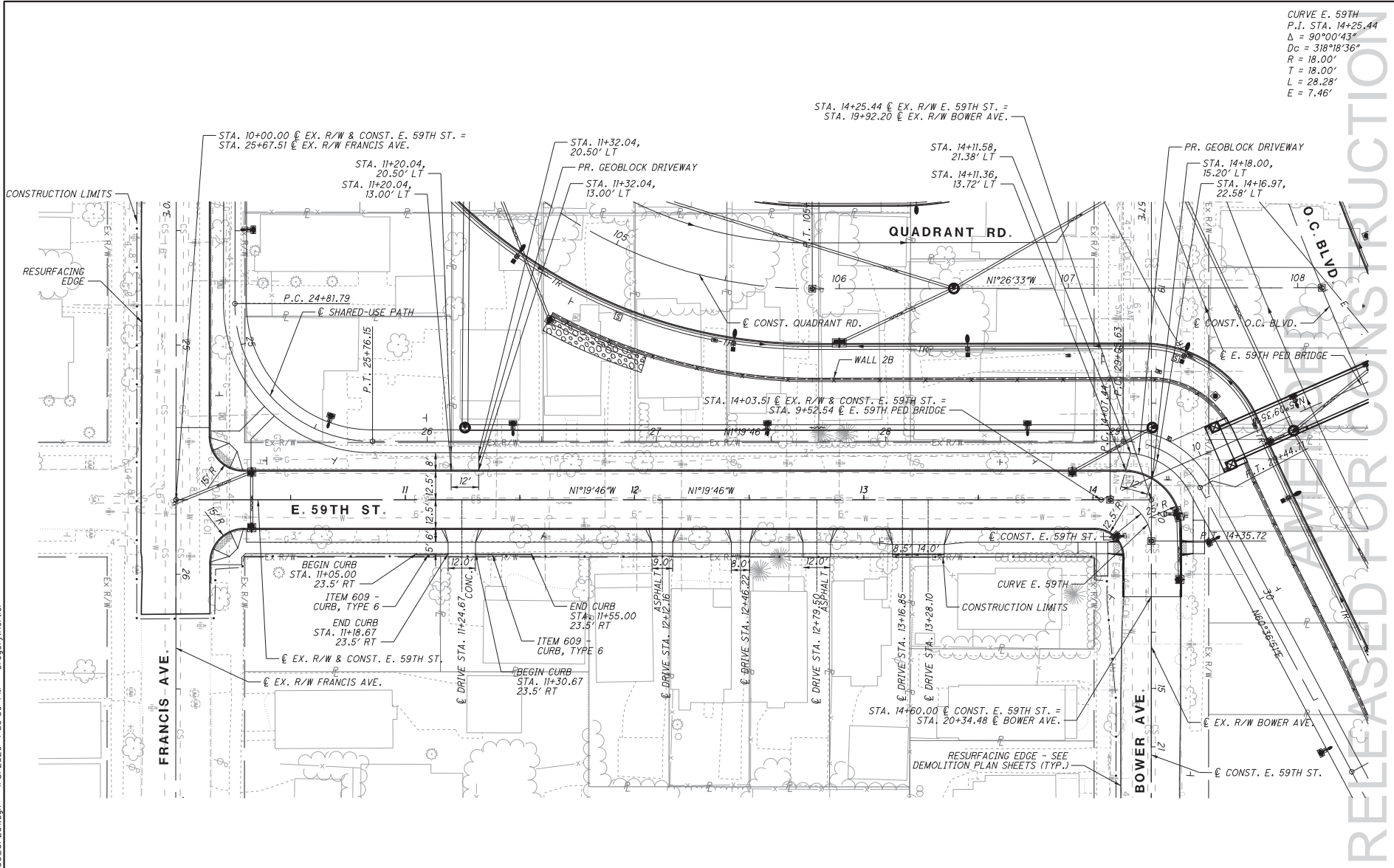
RELEASED FOR CONSTRUCTION

NO.	DATE	DESCRIPTION
0	2019-07-29	RFC <i>David X Reinhart</i>
ISSUE RECORD		

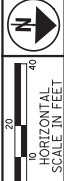
CALCULATED	JTH
CHECKED	SM

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

CUY-IR490 / SR010-
2.09 / 19.28



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

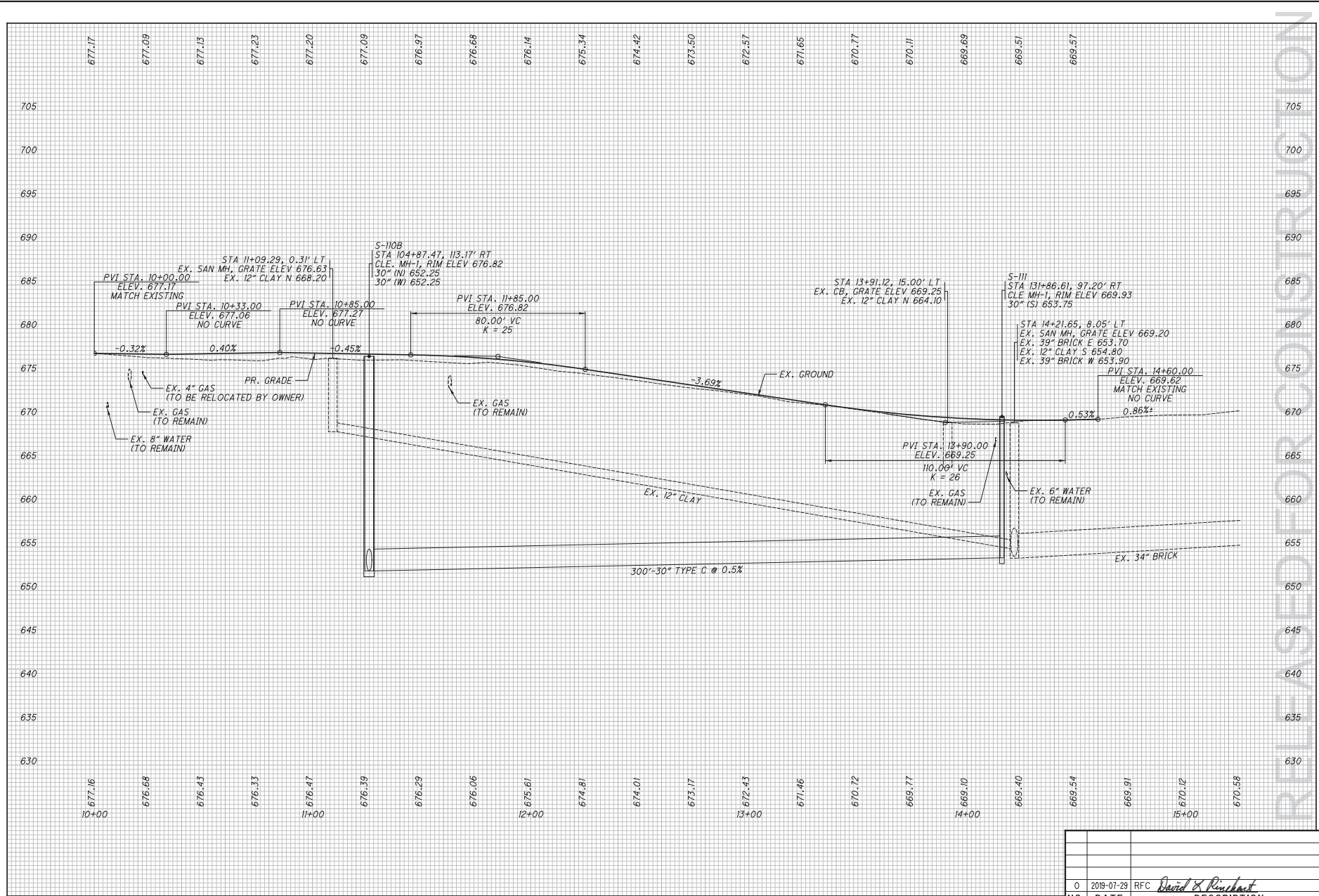


CALCULATED	JTH	SM
CHECKED		

PLAN
 E. 59TH ST.

CUY-IR490 / SR010-
 2.09 / 19.28

NO.	DATE	DESCRIPTION
1	2020-01-08	DCO28 David & Reinhardt
0	2019-07-29	RFC
ISSUE RECORD		



RELEASED FOR CONSTRUCTION

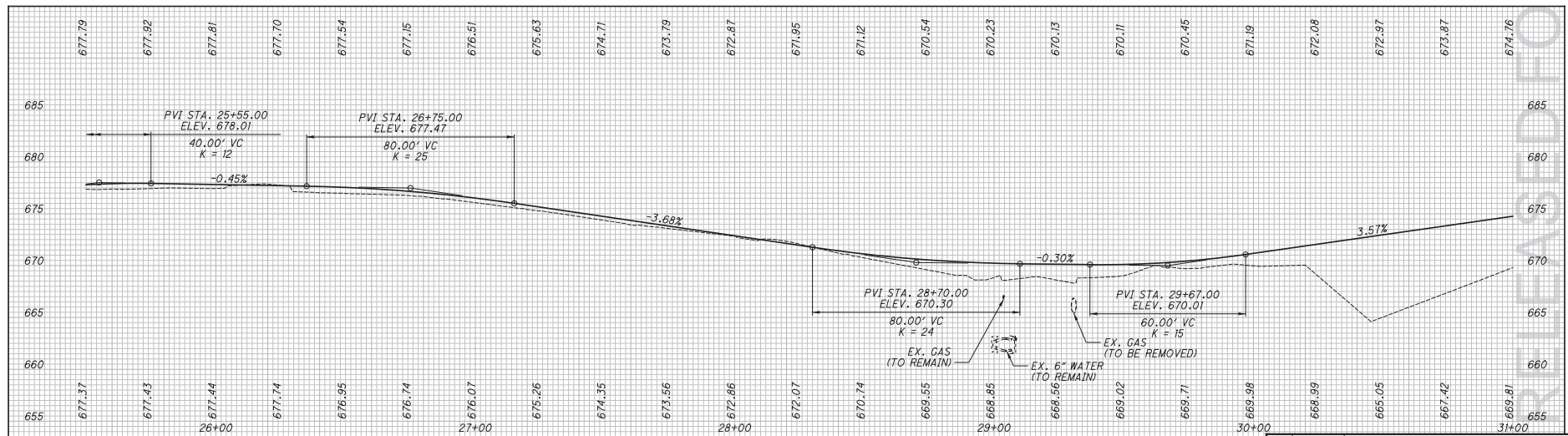
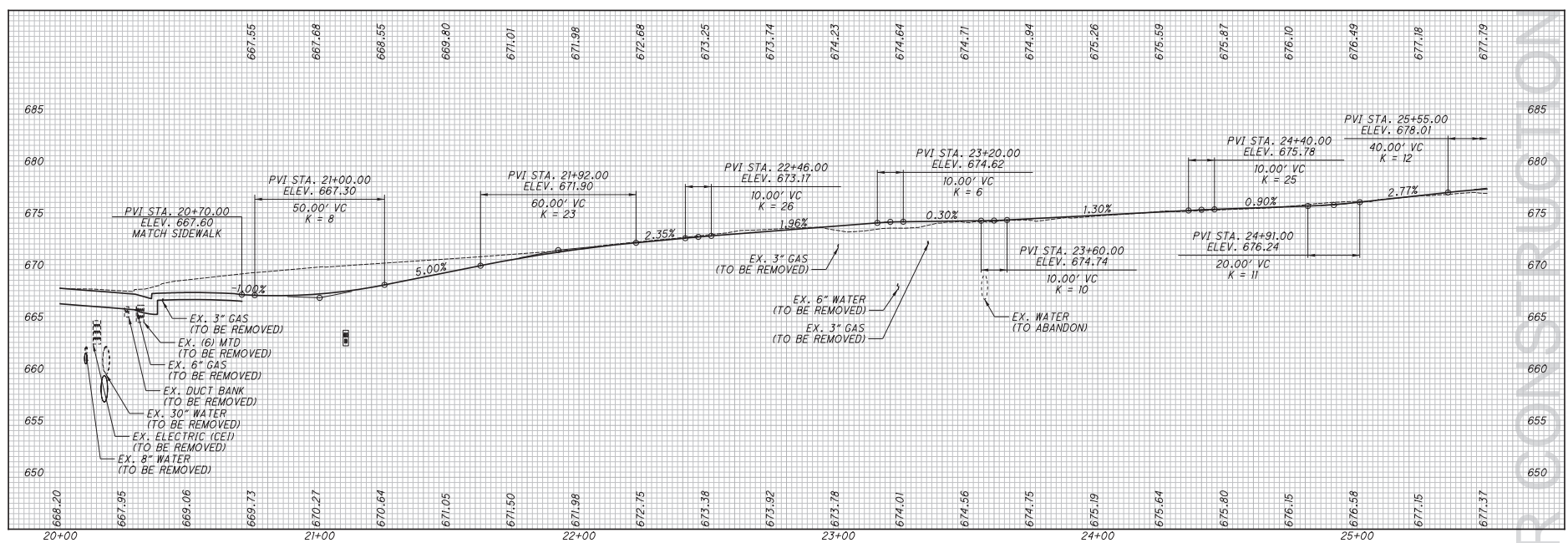
CALCULATED
 JTH
 CHECKED
 SM

PROFILE
 E. 59TH ST.

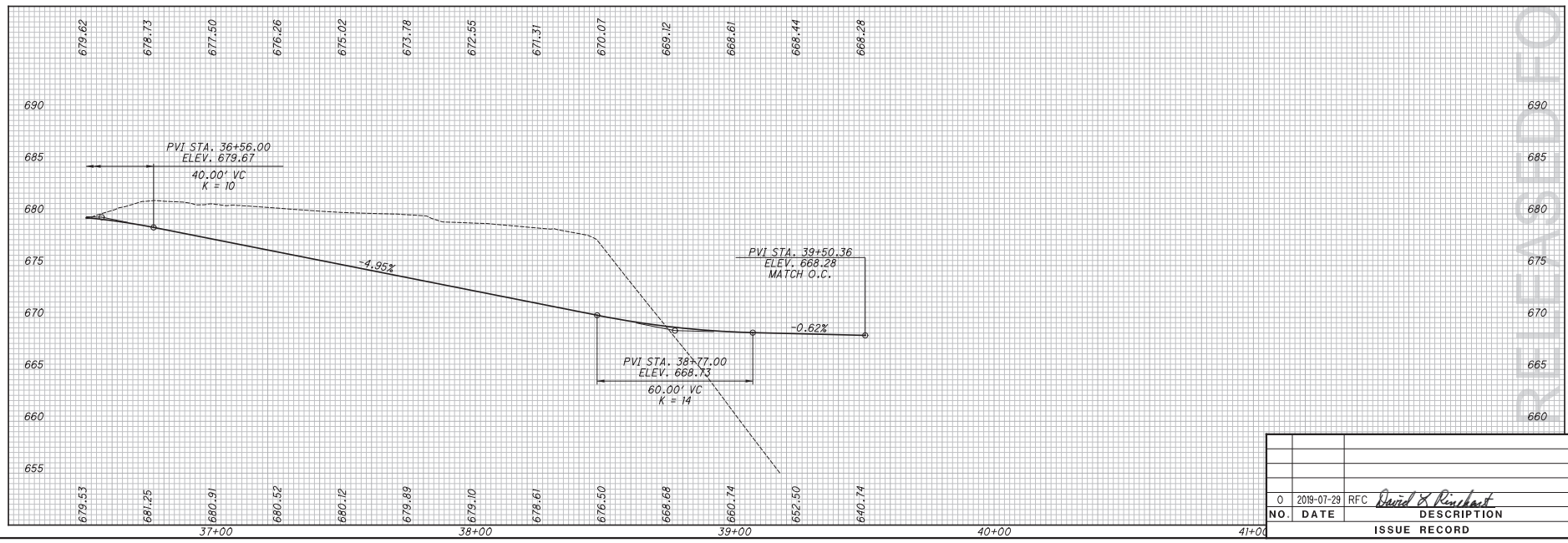
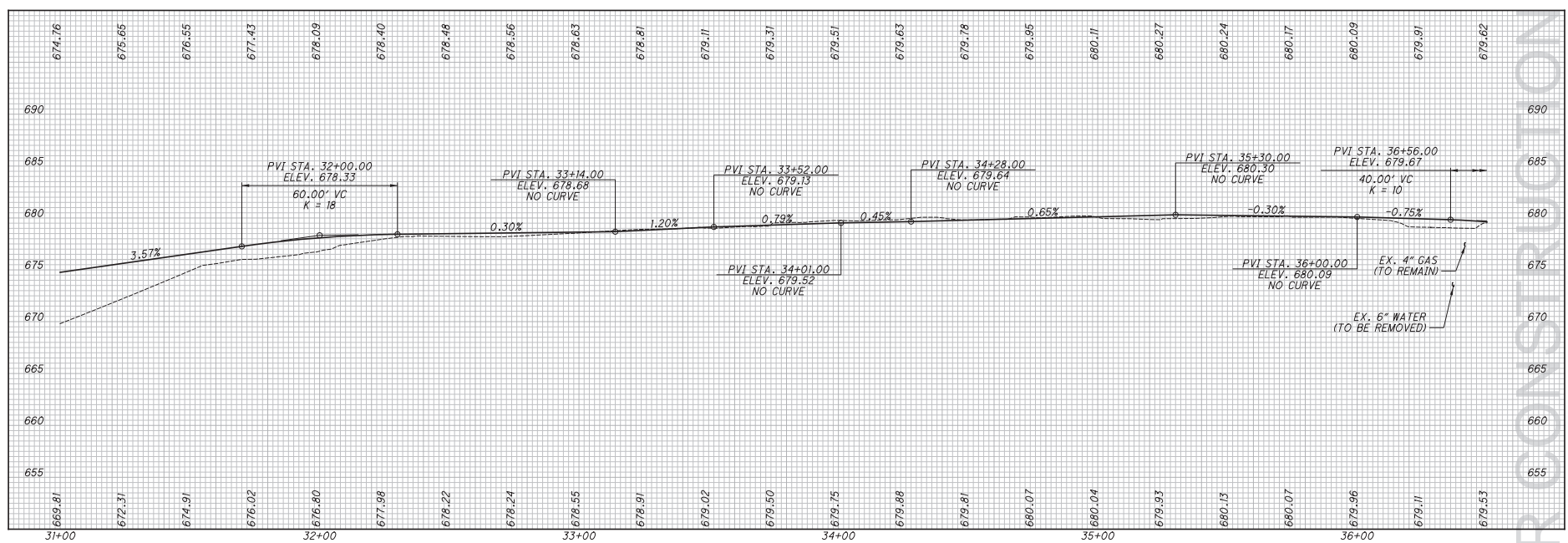
CUY-IR490/SR010-
 2.09 / 19.28

NO.	DATE	DESCRIPTION
0	2019-07-29	RFC <i>David X. Reinhart</i>
ISSUE RECORD		

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 303



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



NO.	DATE	DESCRIPTION
0	2019-07-29	RFC <i>David X. Reinhart</i>

ISSUE RECORD

RELEASED FOR CONSTRUCTION

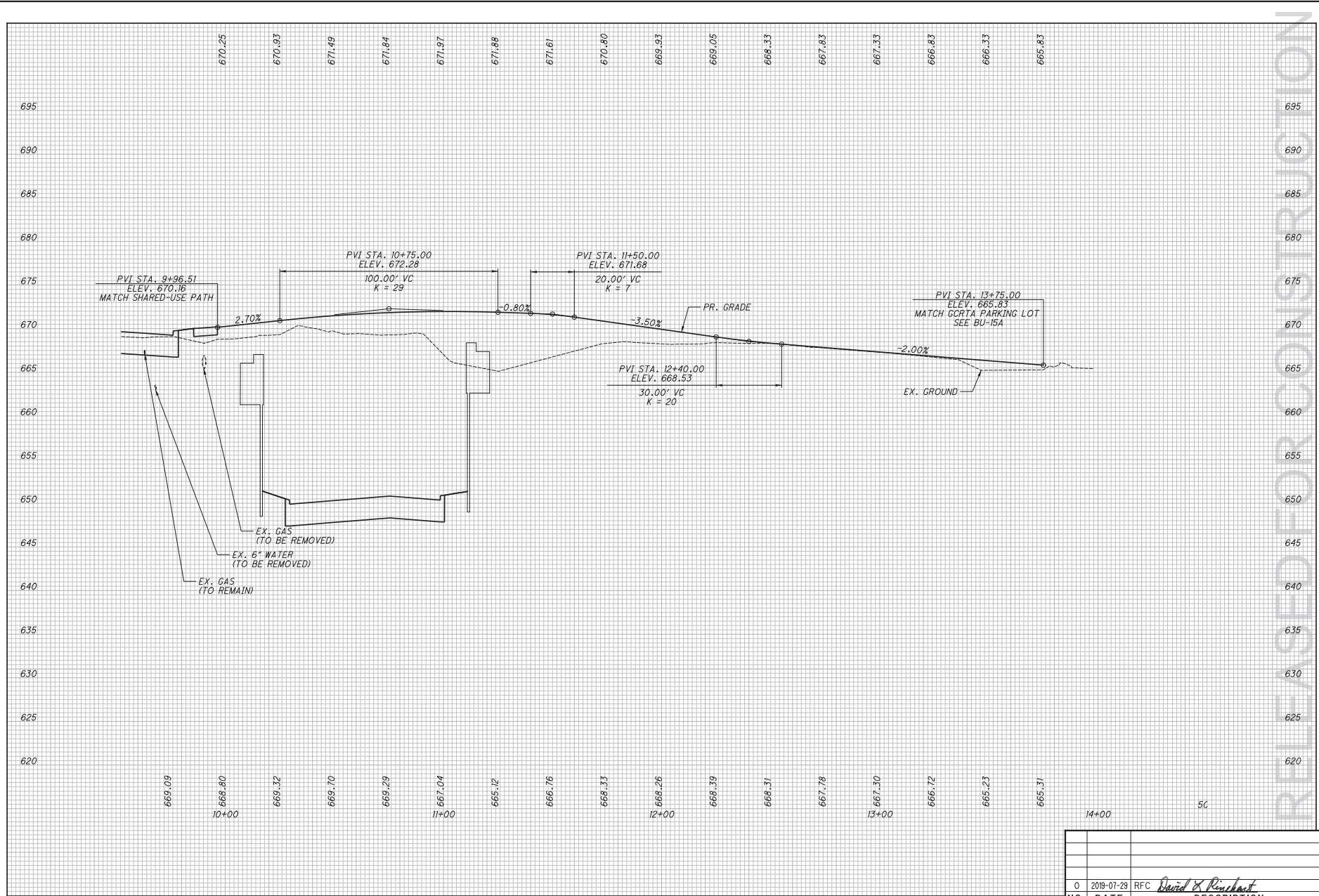
CALCULATED
JTH

CHECKED
SM

PROFILE - SHARED-USE PATH
 STA. 31+00.00 TO END

CUY-IR490 / SR010-
 2.09 / 19.28

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 303



RELEASED FOR CONSTRUCTION



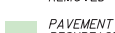
CALCULATED
JTH
CHECKED
SM

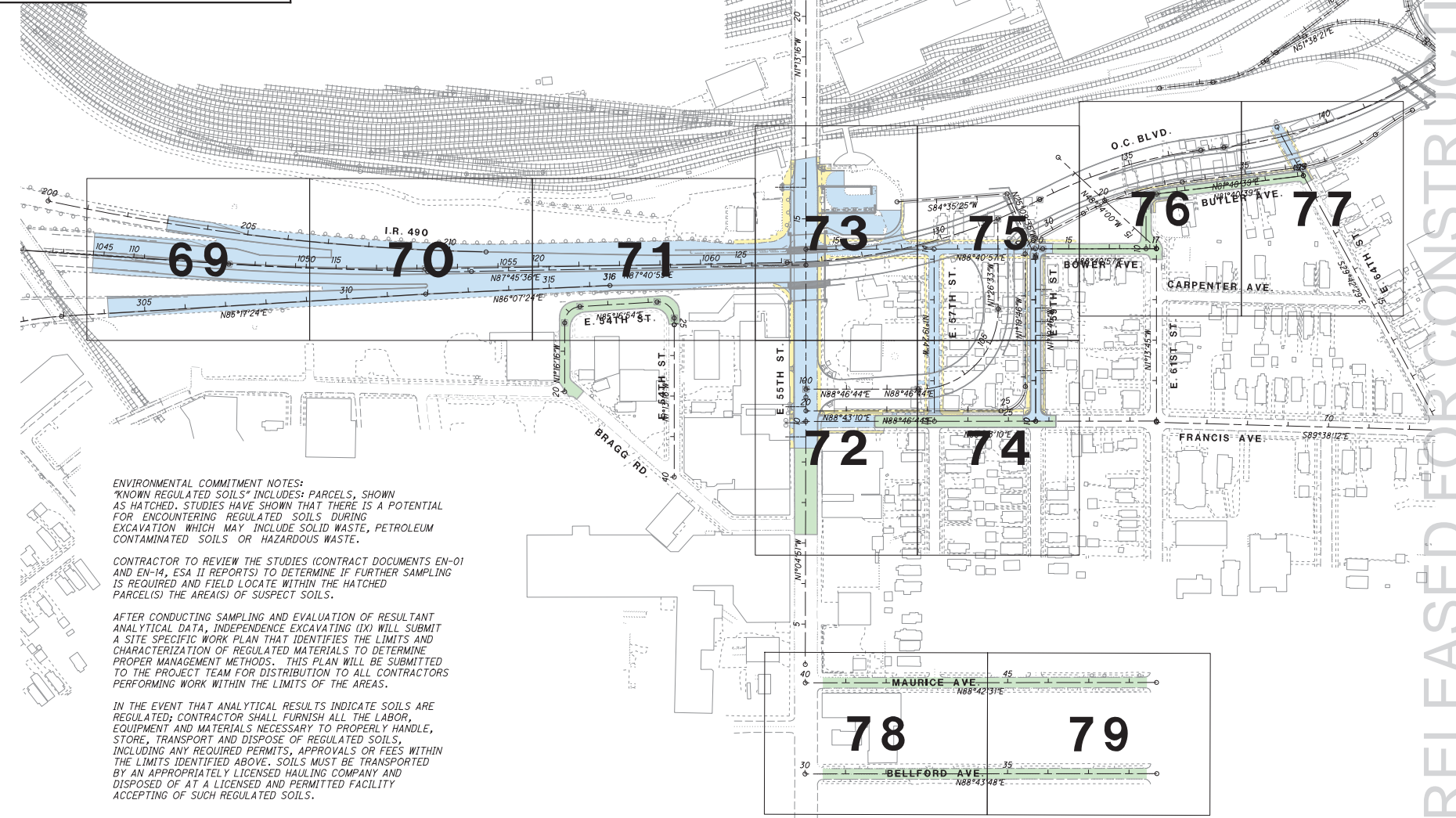
PROFILE
E. 59TH ST. PATH

CUY-IR490 / SR010-
2.09 / 19.28

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303

NO.	DATE	DESCRIPTION
0	2018-07-29	RFC <i>David X. Reinhart</i>
ISSUE RECORD		

	PAVEMENT REMOVED	xxxxxxx	CONDUIT REMOVED
	WALK REMOVED		CONDUIT ABANDONED
	PAVEMENT RESURFACING	○	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
0	2018-07-29	RFC <i>David S. Reinhart</i>
ISSUE RECORD		



CALCULATED JTH
 CHECKED DJJ

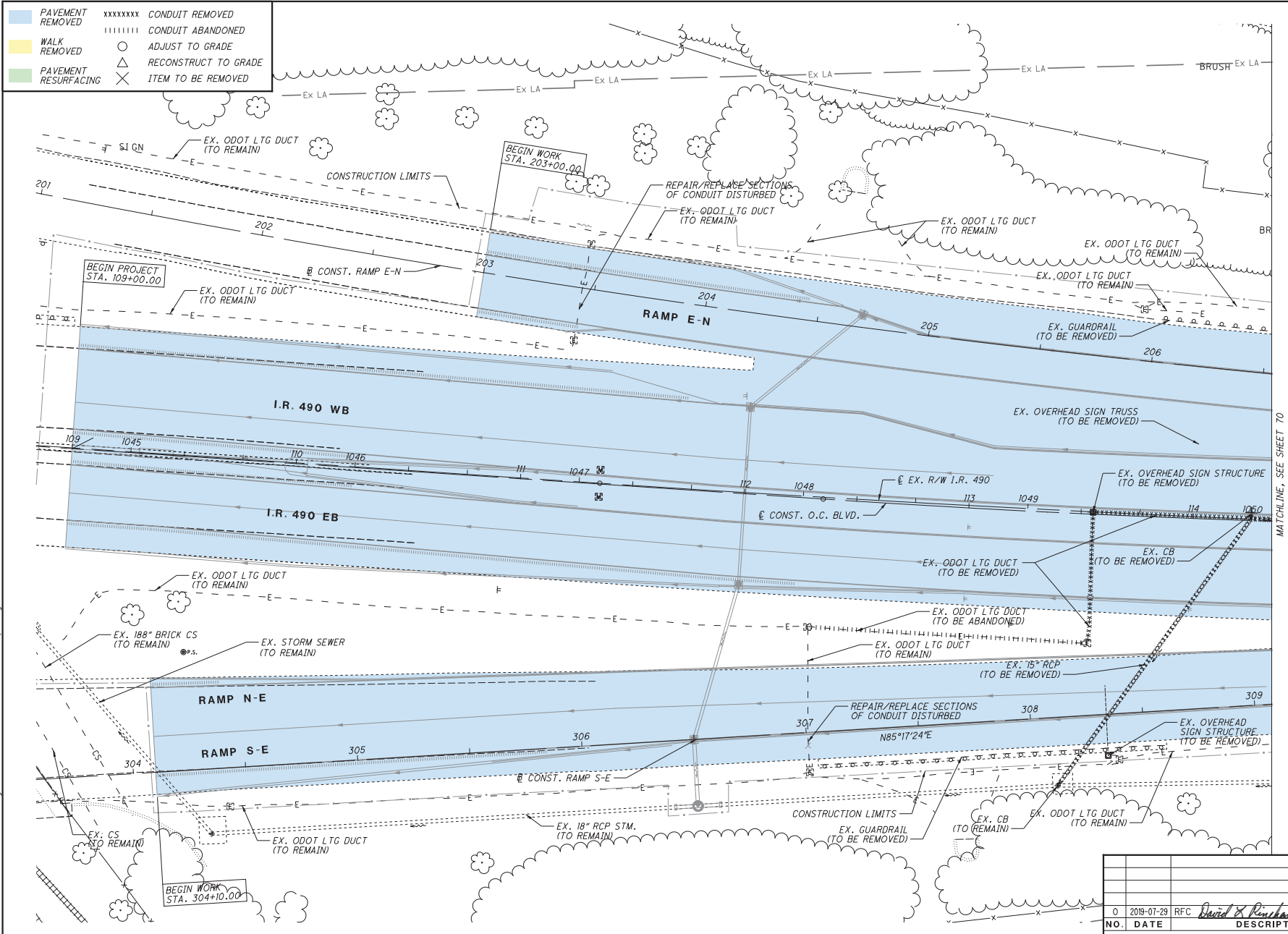
DEMOLITION PLAN
 KEY MAP

CUY-IR490/SR010-
 2.09 / 19.28

RELEASED FOR CONSTRUCTION

BU-14 - ROADWAY & PAVEMENT - BEGIN PROJECT TO KINGSBURY RUN
 ...S:\Sheets\BU-14\96833_GPR00.dgn 7/26/2019 4:11:08 PM Joseph Hogan

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



MATCHLINE, SEE SHEET 70

RELEASED FOR CONSTRUCTION

0	CALCULATED	JTH
10		CHECKED
20		DJJ
30		
40		
50		
60		
70		
80		
90		
100		

HORIZONTAL SCALE IN FEET

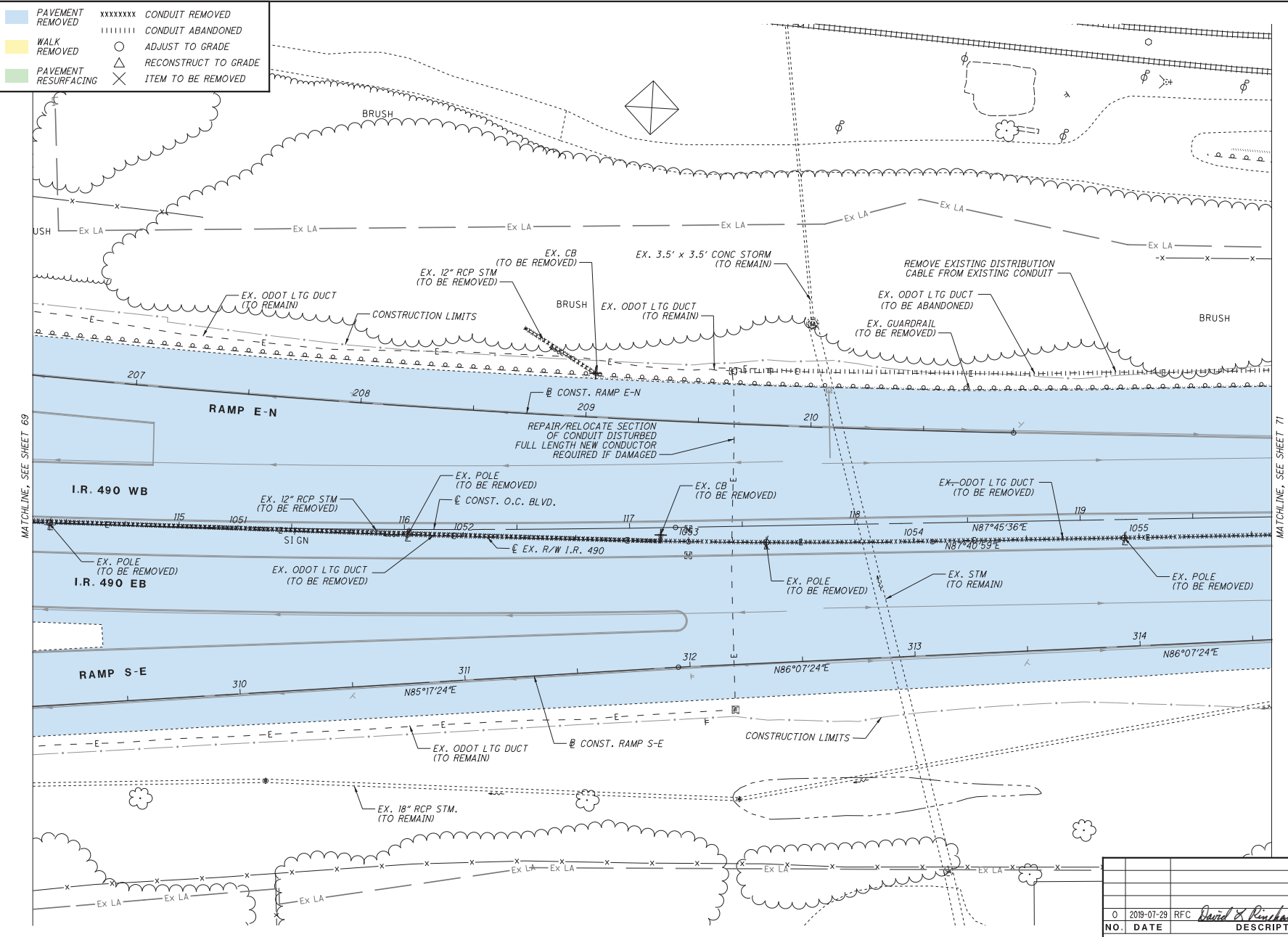
DEMOLITION PLAN
I.R. 490

CUY-IR490/SR010-
2.09 / 19.28

NO.	DATE	DESCRIPTION
0	2018-07-29	RFC <i>David X. Reinhardt</i>
		ISSUE RECORD

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



RELEASED FOR CONSTRUCTION



CALCULATED	JTH
CHECKED	DJJ

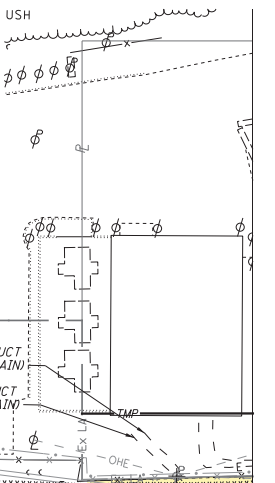
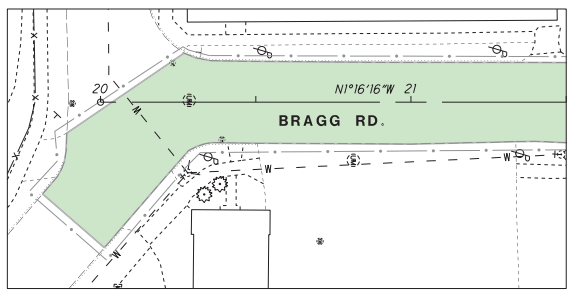
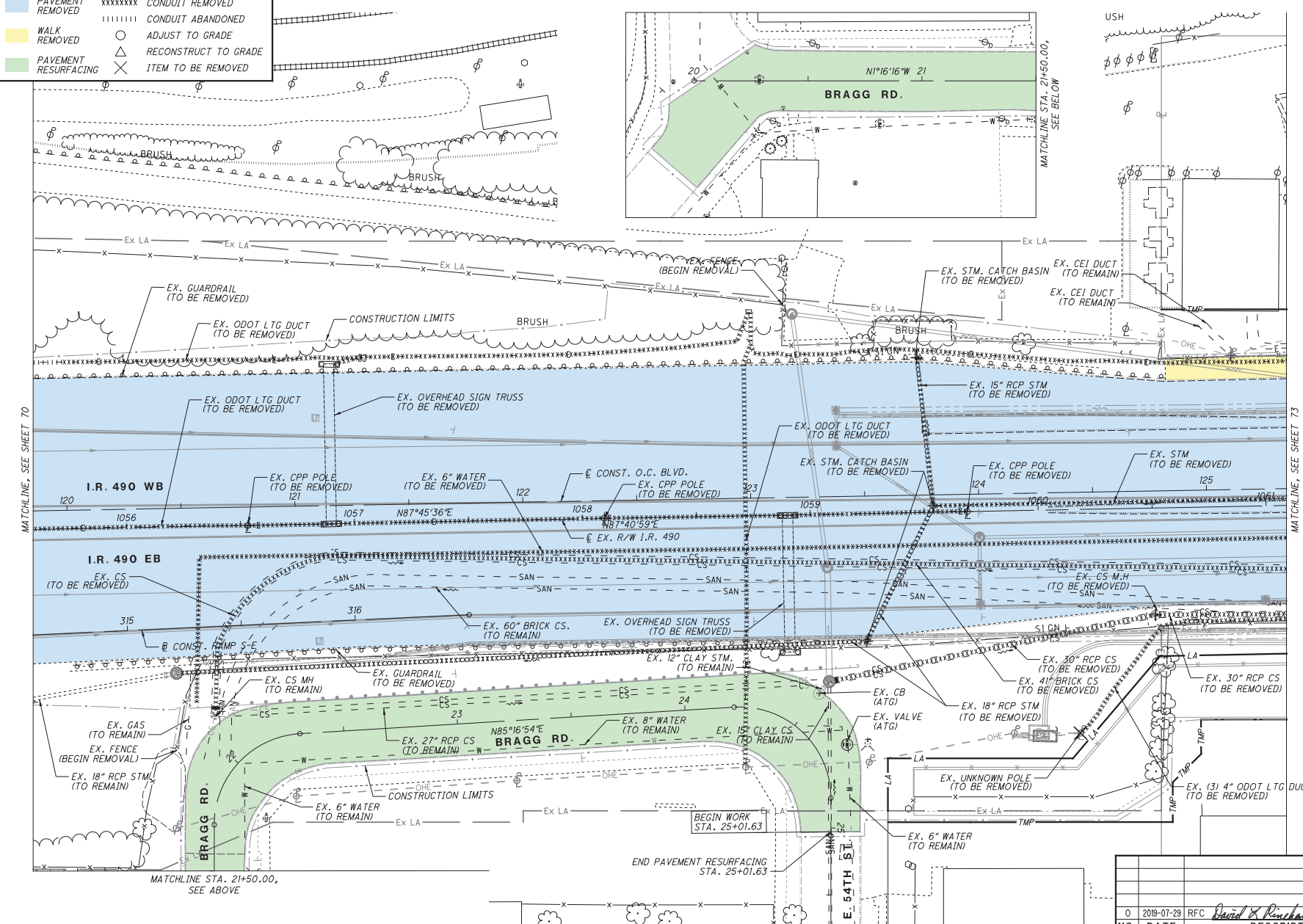
DEMOLITION PLAN
 I.R. 490

CUY-IR490/SR010-
 2.09 / 19.28

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NO.	DATE	DESCRIPTION
0	2019-07-29	RFC <i>David X. Reinhart</i>
ISSUE RECORD		

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



RELEASED FOR CONSTRUCTION

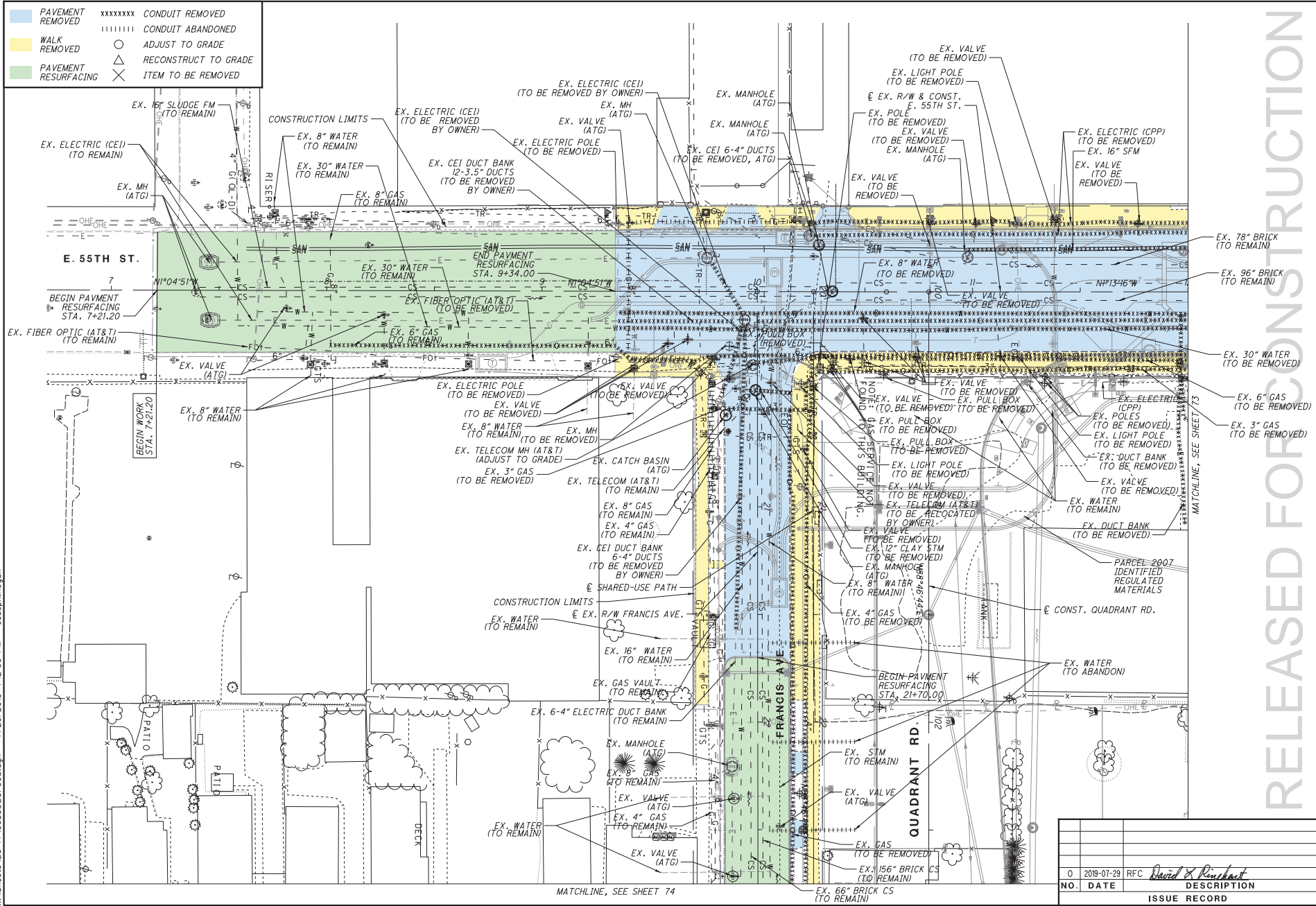


DEMOLITION PLAN
I.R. 490

CUY-IR490/SR010-
2.09 / 19.28

NO.	DATE	DESCRIPTION
0	2018-01-29	RFC <i>David X. Rindhart</i>
ISSUE RECORD		

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



CALCULATED	JTH
CHECKED	DJJ

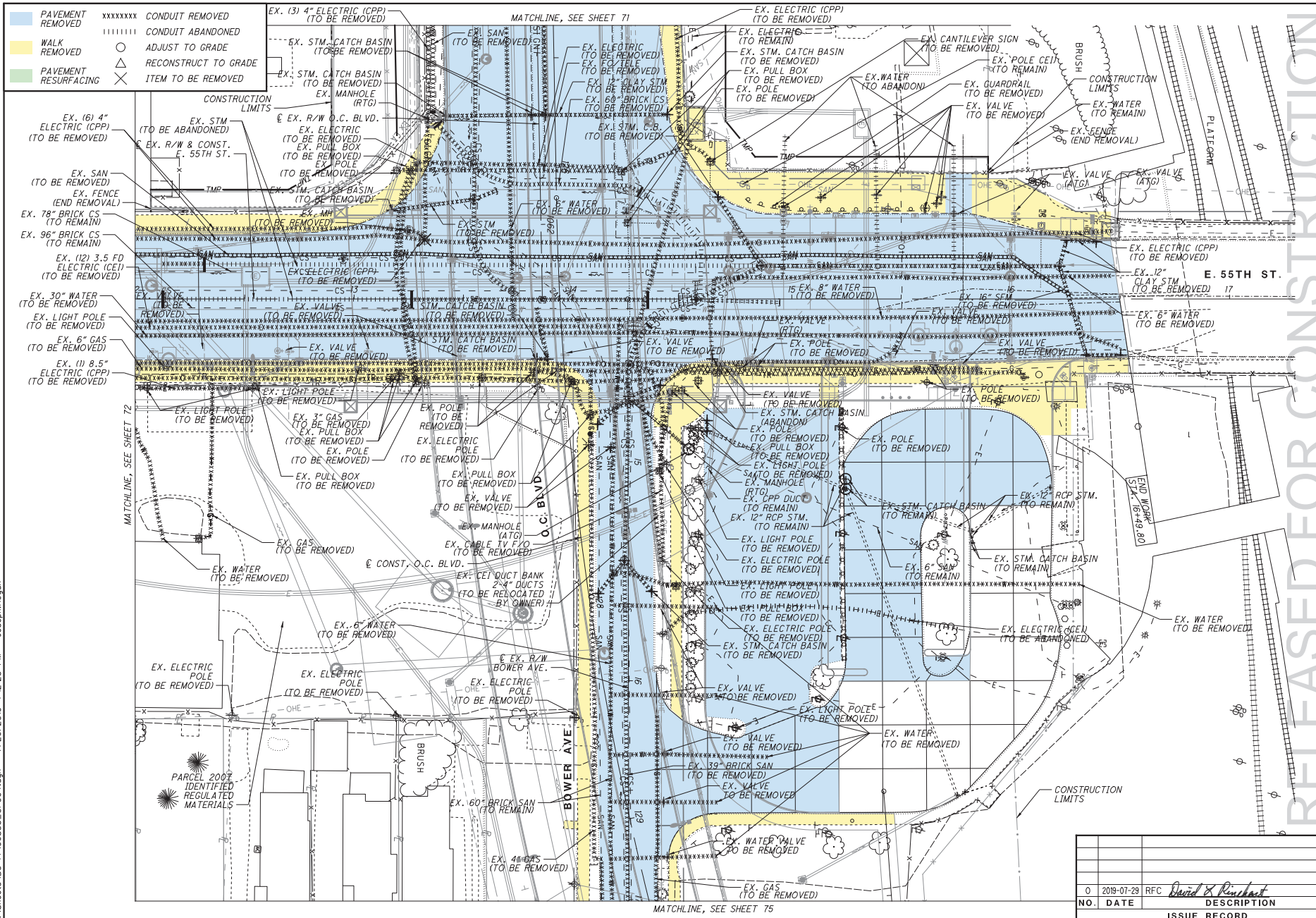
DEMOLITION PLAN
 E. 55TH ST. / FRANCIS AVE.

CUY-IR490/SR010-
 2.09 / 19.28

NO.	DATE	DESCRIPTION
0	2019-07-29	RFC <i>David S. Reinhardt</i>
		ISSUE RECORD

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RELEASED FOR CONSTRUCTION



RELEASED FOR CONSTRUCTION



CALCULATED
 JTH
 CHECKED
 DJJ

DEMOLITION PLAN FOR
 E. 55TH ST. / BOWER AVE.

CUY-IR490/SR010-
 2.09 / 19.28

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 303

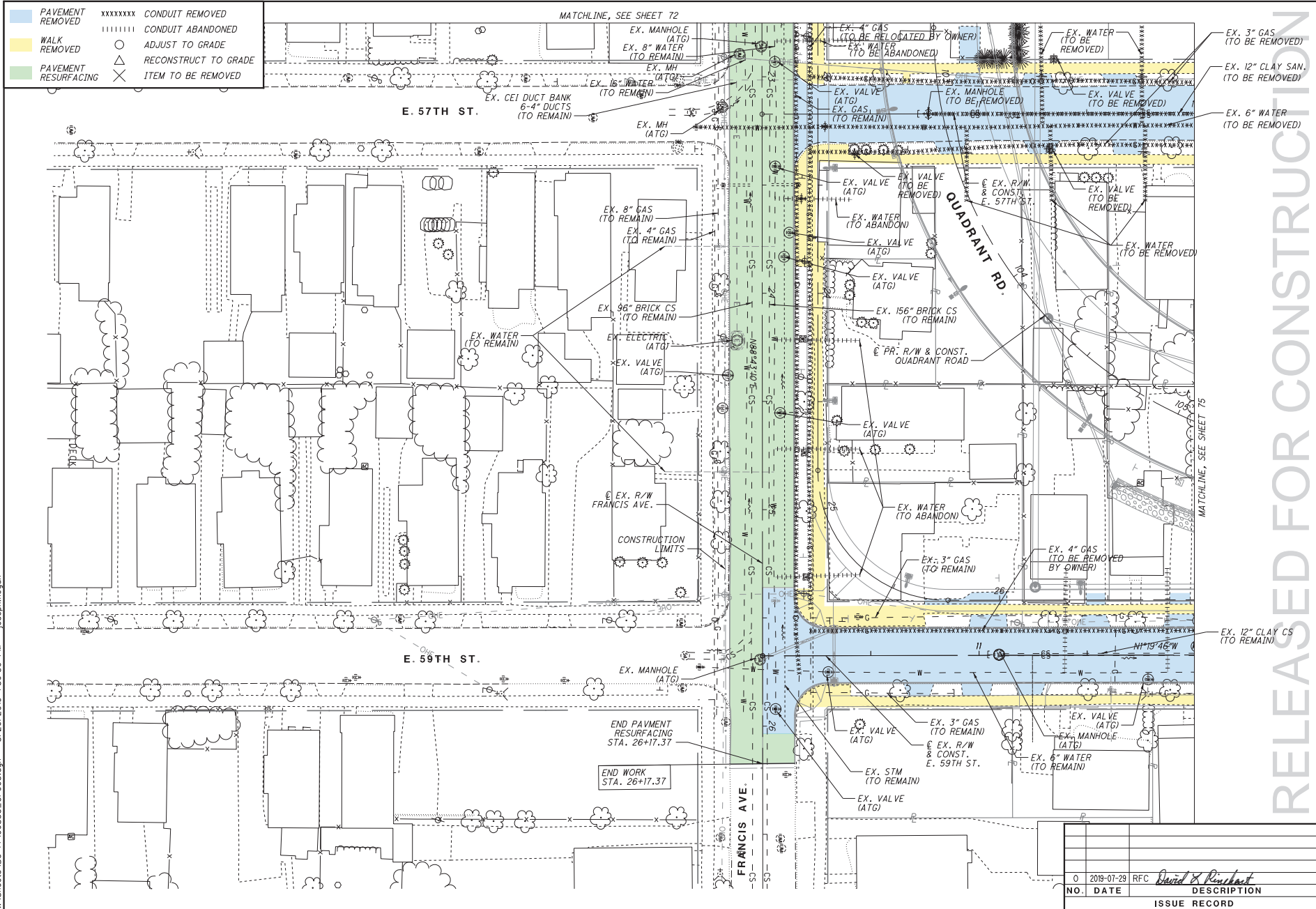
NO.	DATE	DESCRIPTION
0	2019-07-29	RFC <i>David S. Rinehart</i>
ISSUE RECORD		

MATCHLINE, SEE SHEET 75

MATCHLINE, SEE SHEET 71

MATCHLINE, SEE SHEET 72

PARCEL 2007
 IDENTIFIED
 REGULATED
 MATERIALS






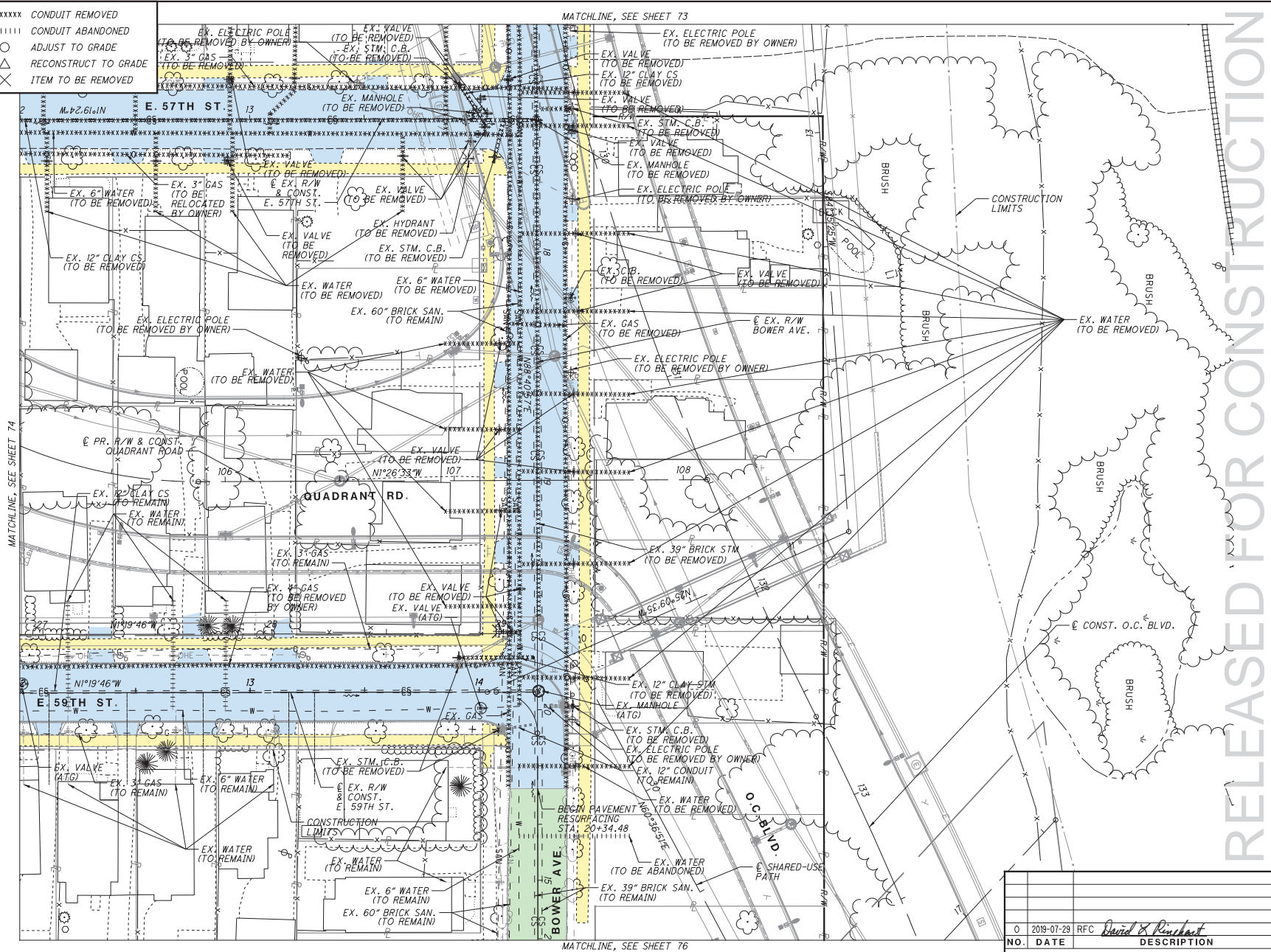
DEMOLITION PLAN
 E. 57TH ST. / E. 59TH ST. / FRANCIS AVE.

CUY-IR490/SR010-
 2.09 / 19.28

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

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



MATCHLINE, SEE SHEET 73

MATCHLINE, SEE SHEET 74

MATCHLINE, SEE SHEET 76

RELEASED FOR CONSTRUCTION

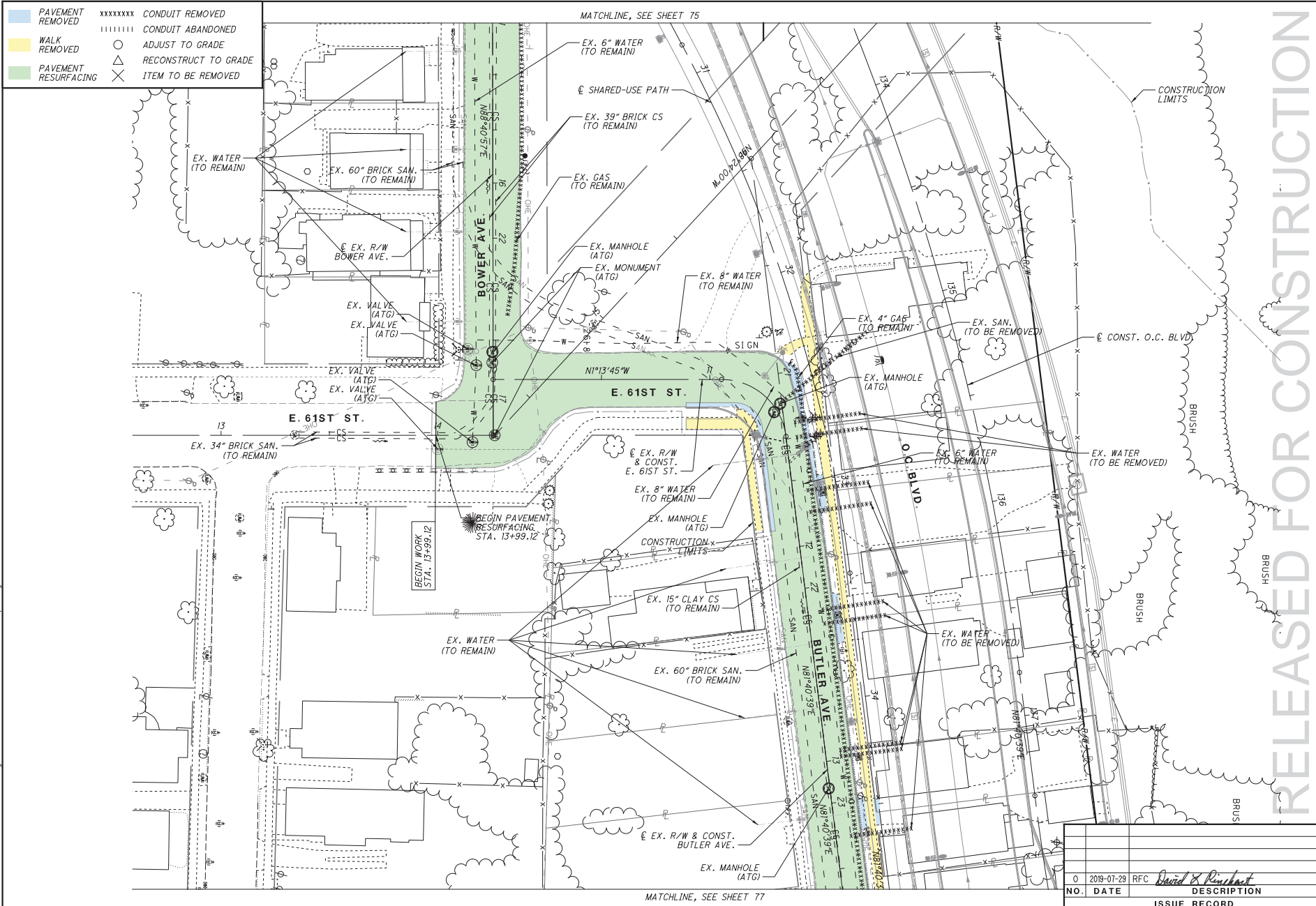


DEMOLITION PLAN
 E. 57TH ST. / E. 59TH ST. / BOWER AVE.

CUY-IR490/SR010-
 2.09 / 19.28

75
 303

NO.	DATE	DESCRIPTION
0	2019-07-29	RFC <i>David & Richard</i>
		ISSUE RECORD



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

RELEASED FOR CONSTRUCTION

CALCULATED JTH
 CHECKED DJJ
 SCALE IN FEET
 0 20 40

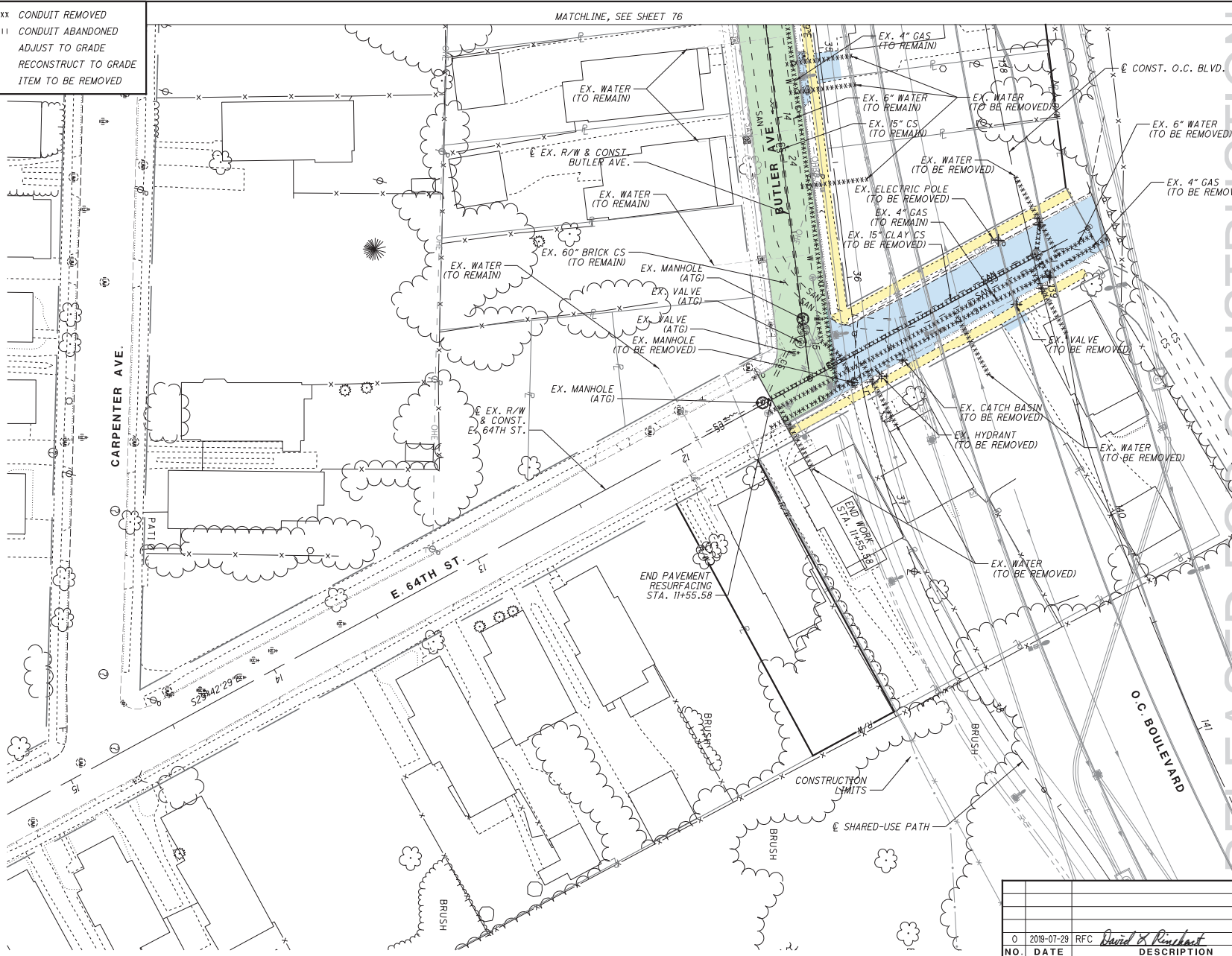
DEMOLITION PLAN
 E. 61ST ST. / BOWER AVE. / BUTLER AVE.

CUY-IR490/SR010-
 2.09 / 19.28

76
 303

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

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



MATCHLINE, SEE SHEET 76

RELEASED FOR CONSTRUCTION



CALCULATED	JTH
CHECKED	DJJ

DEMOLITION PLAN
 E. 64TH ST. / BUTLER AVE.

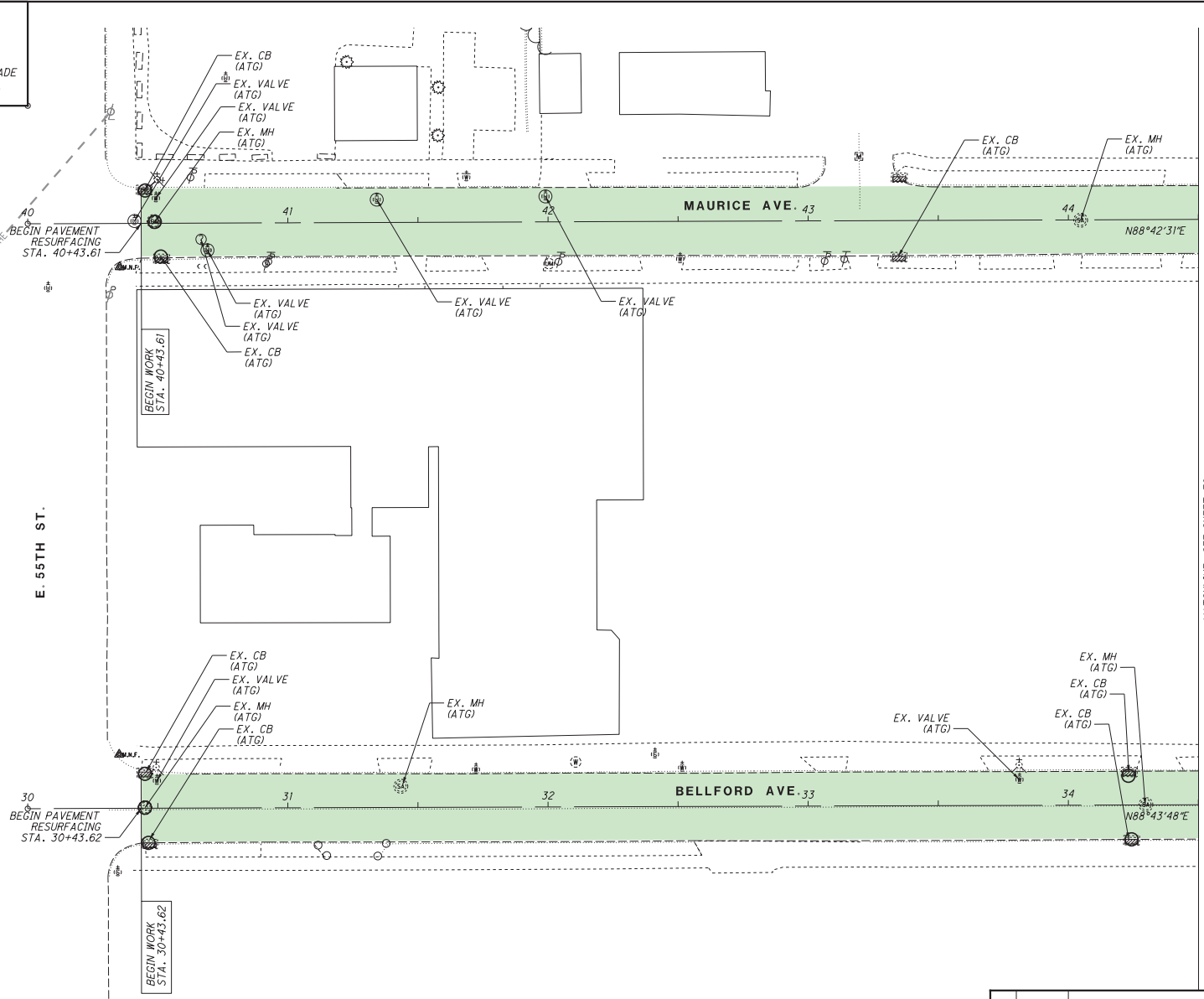
E. 64TH ST. / BUTLER AVE.

CUY-IR490/SR010-
 2.09 / 19.28

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 303

NO.	DATE	DESCRIPTION
0	2019-07-29	RFC <i>David S. Reinhardt</i>
ISSUE RECORD		

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



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 RAMP IS ANTICIPATED.

NO.	DATE	DESCRIPTION
0	2019-07-29	RFC <i>David X. Reinhardt</i>
ISSUE RECORD		

RELEASED FOR CONSTRUCTION

DEMOLITION PLAN
 MAURICE AVE. & BELFORD AVE.

CUY-IR490 / SR010-
 2.09 / 19.28

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 303

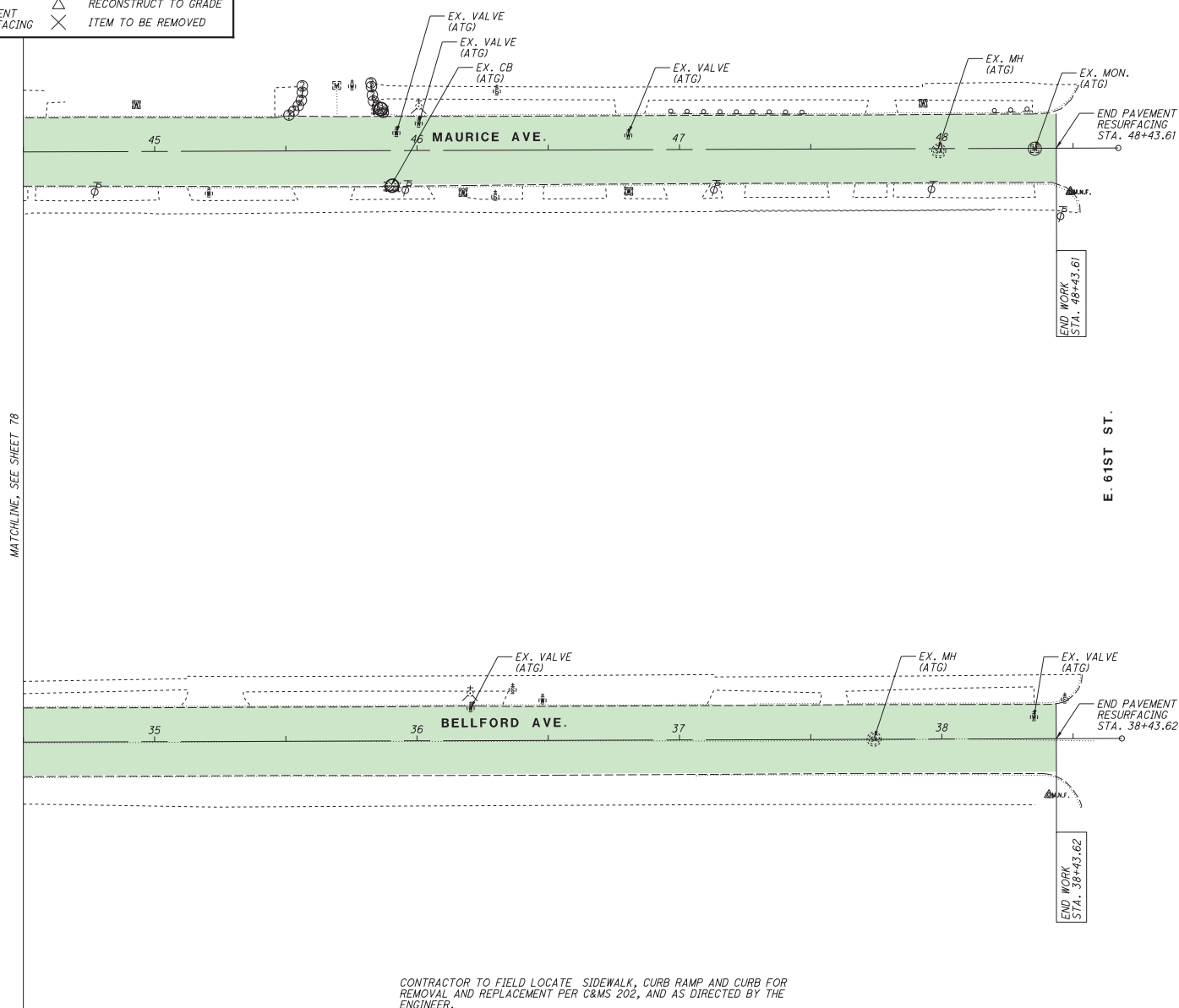
CALCULATED JTH
 CHECKED DJJ

0 20 40
 HORIZONTAL SCALE IN FEET

↑
 NORTH

MATCHLINE, SEE SHEET 79

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



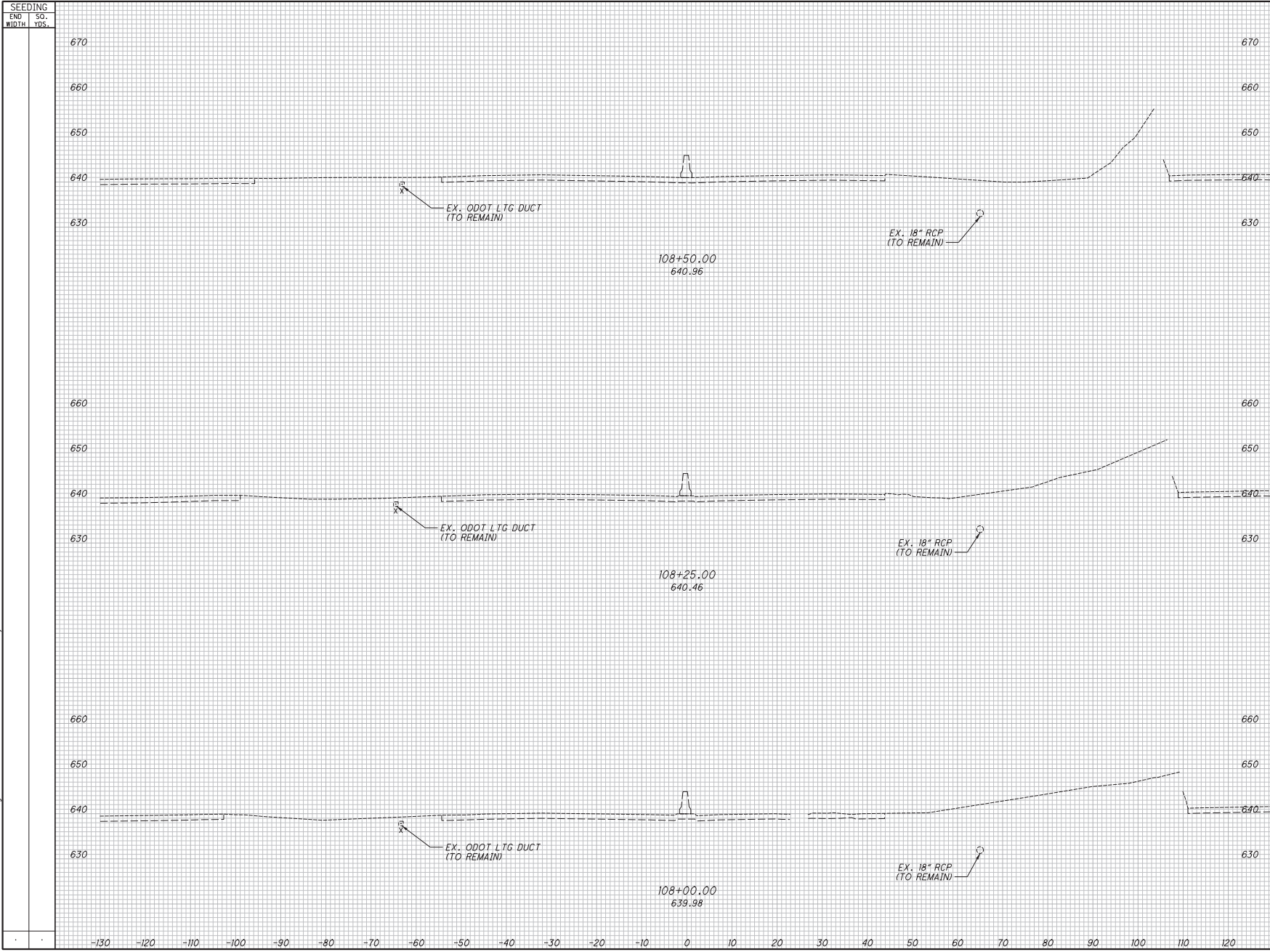
CONTRACTOR TO FIELD LOCATE SIDEWALK, CURB RAMP AND CURB FOR REMOVAL AND REPLACEMENT PER C&MS 202, AND AS DIRECTED BY THE ENGINEER.
 NO MORE THAN 5000 SQ. FT. OF SIDEWALK, 1,000 FT OF CURB AND FOUR (4) CURB RAMPS IS ANTICIPATED.

NO.	DATE	DESCRIPTION
0	2019-07-29	RFC <i>David X. Reinhardt</i>
ISSUE RECORD		

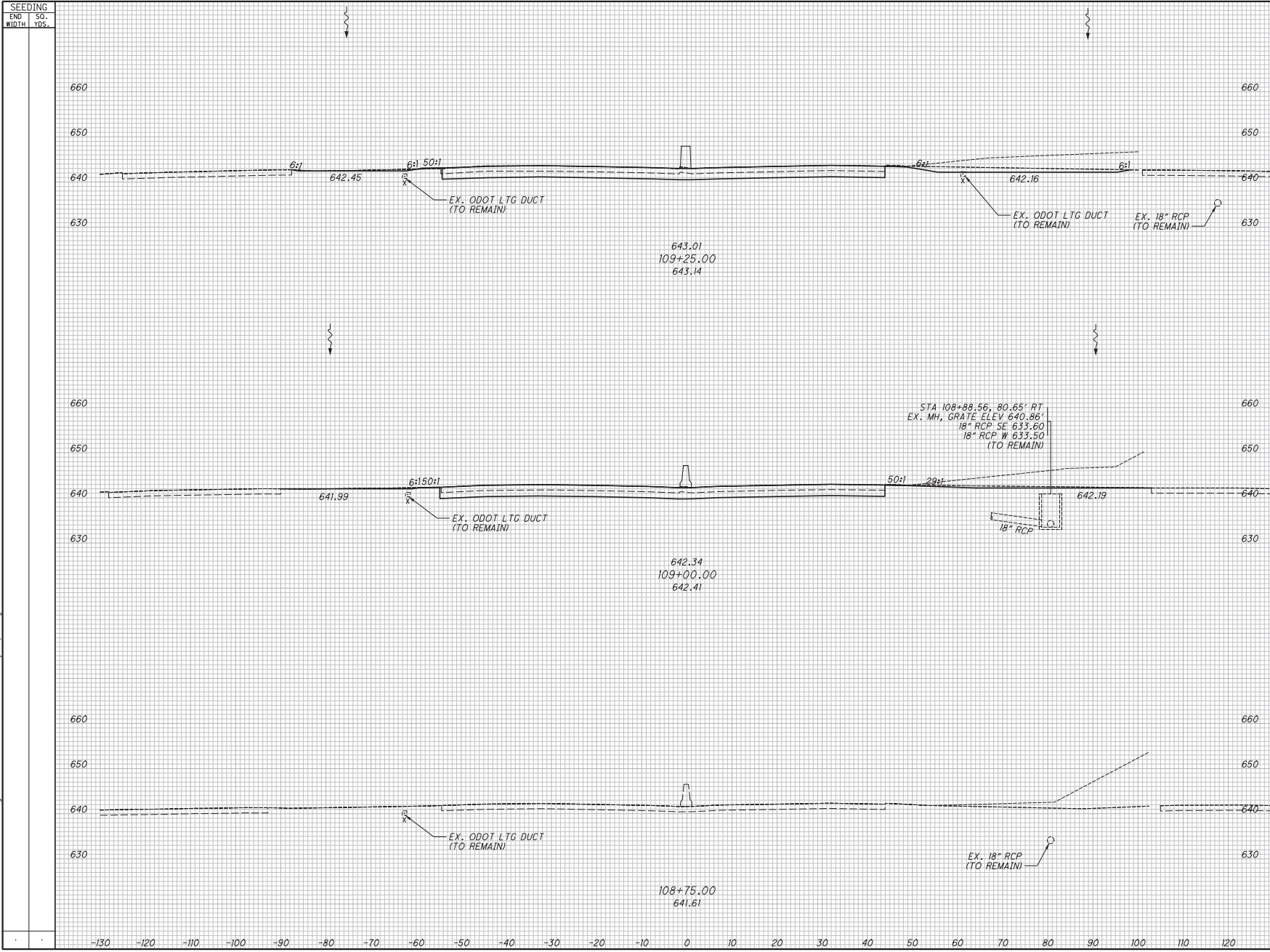
RELEASED FOR CONSTRUCTION

CUY-IR490 / SR010-
 2.09 / 19.28
 DEMOLITION PLAN
 MAURICE AVE. & BELFORD AVE.
 79
 303

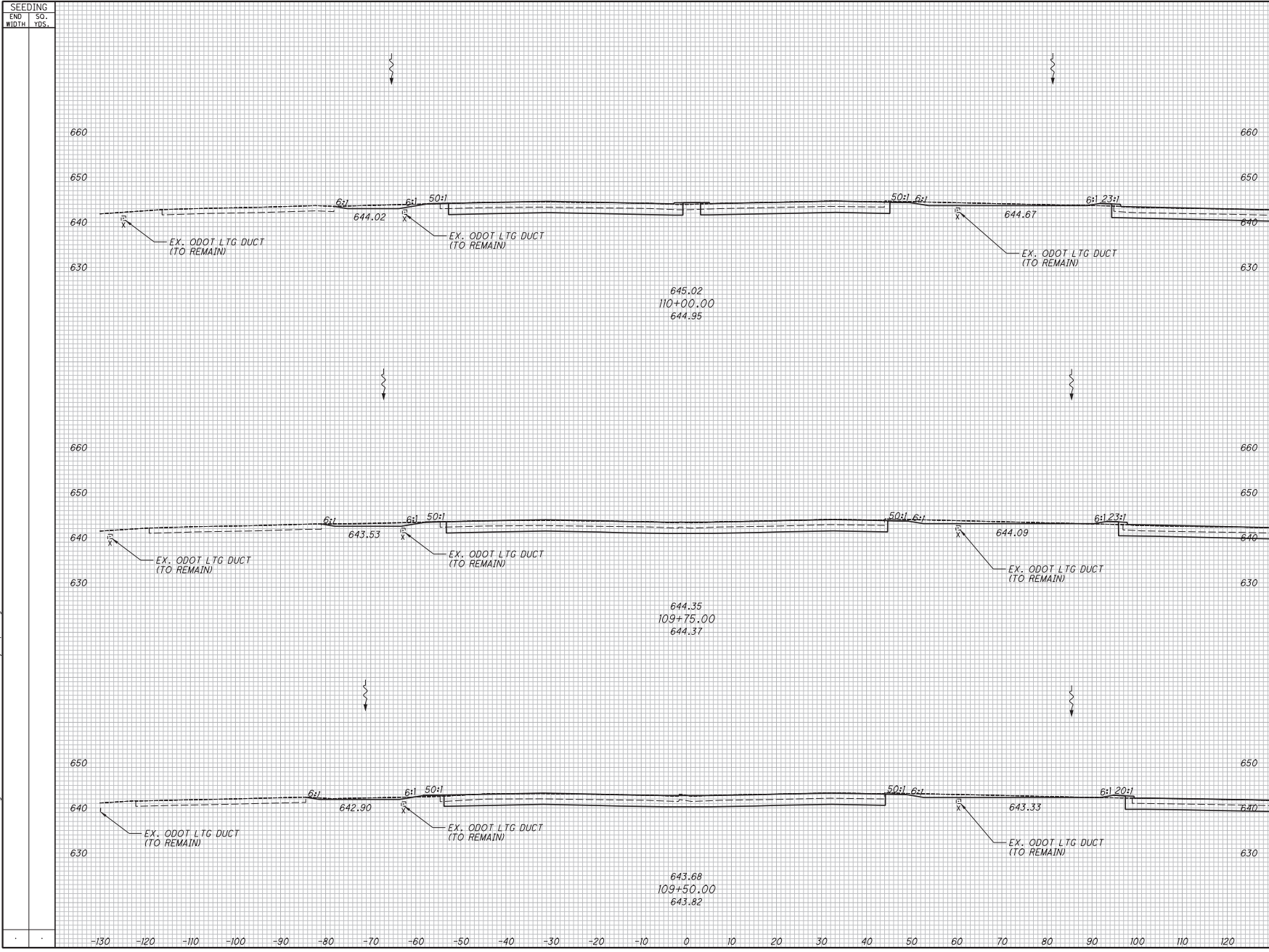




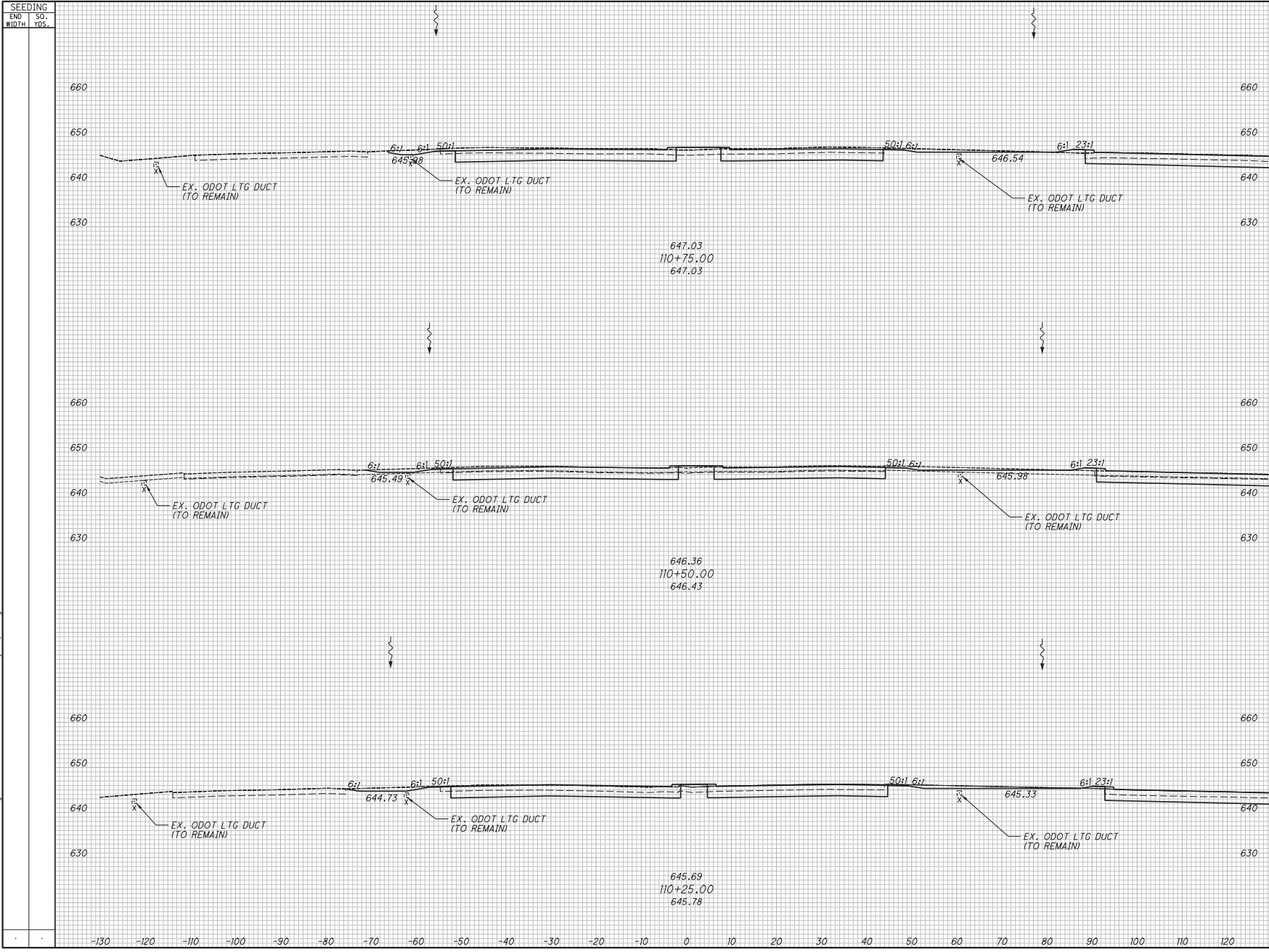
NO.	DATE	RFC	DESCRIPTION	VOLUME		CHECKED	SM
				CUT	FILL		
0	2019-07-29	RF	David R. Penhatch				
ISSUE RECORD							
<p style="text-align: center;">RELEASED</p> <p style="text-align: center;">FOR CONSTRUCTION</p>							
<p style="text-align: center;">CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.</p> <p style="text-align: center;">STA. 108+00.00 TO STA. 108+50.00</p>							
<p style="text-align: center;">CUY-IR490 / SR010-</p> <p style="text-align: center;">2.09 / 19.28</p>							
<p style="text-align: center;">80</p> <p style="text-align: center;">303</p>							



NO.	DATE	RFC	DESCRIPTION	VOLUME		CALCULATED		CHECKED	
				CUT	FILL	JTH	SM	CUT	FILL
0	2019-07-29	RF	David R. Penhock						
ISSUE RECORD									
<p style="text-align: center;">FOR CONSTRUCTION</p> <p style="text-align: center;">CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.</p> <p style="text-align: center;">STA. 108+75.00 TO STA. 109+25.00</p>									
<p style="text-align: center;">CUY-IR490 / SR010-</p> <p style="text-align: center;">2.09 / 19.28</p>									

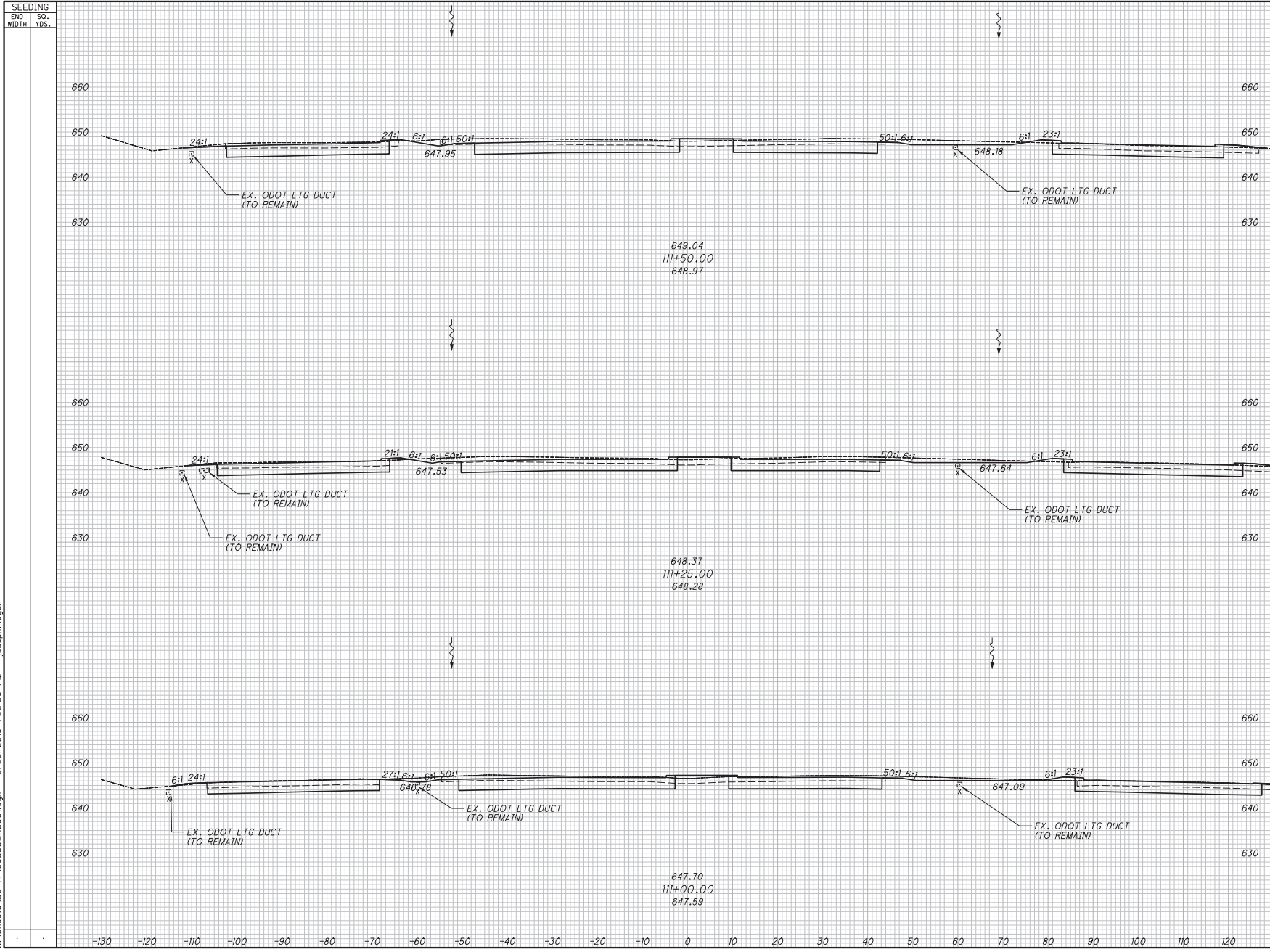


NO.	DATE	RFC	DESCRIPTION	VOLUME		CALCULATED		CHECKED	
				CUT	FILL	JTH	SM	JTH	SM
0	2019-07-29	RF	David R. Penick						
ISSUE RECORD									
CUY-IR490/SR010-2.09 / 19.28									
CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD. STA. 109+50.00 TO STA. 110+00.00									
RELEASED FOR CONSTRUCTION									

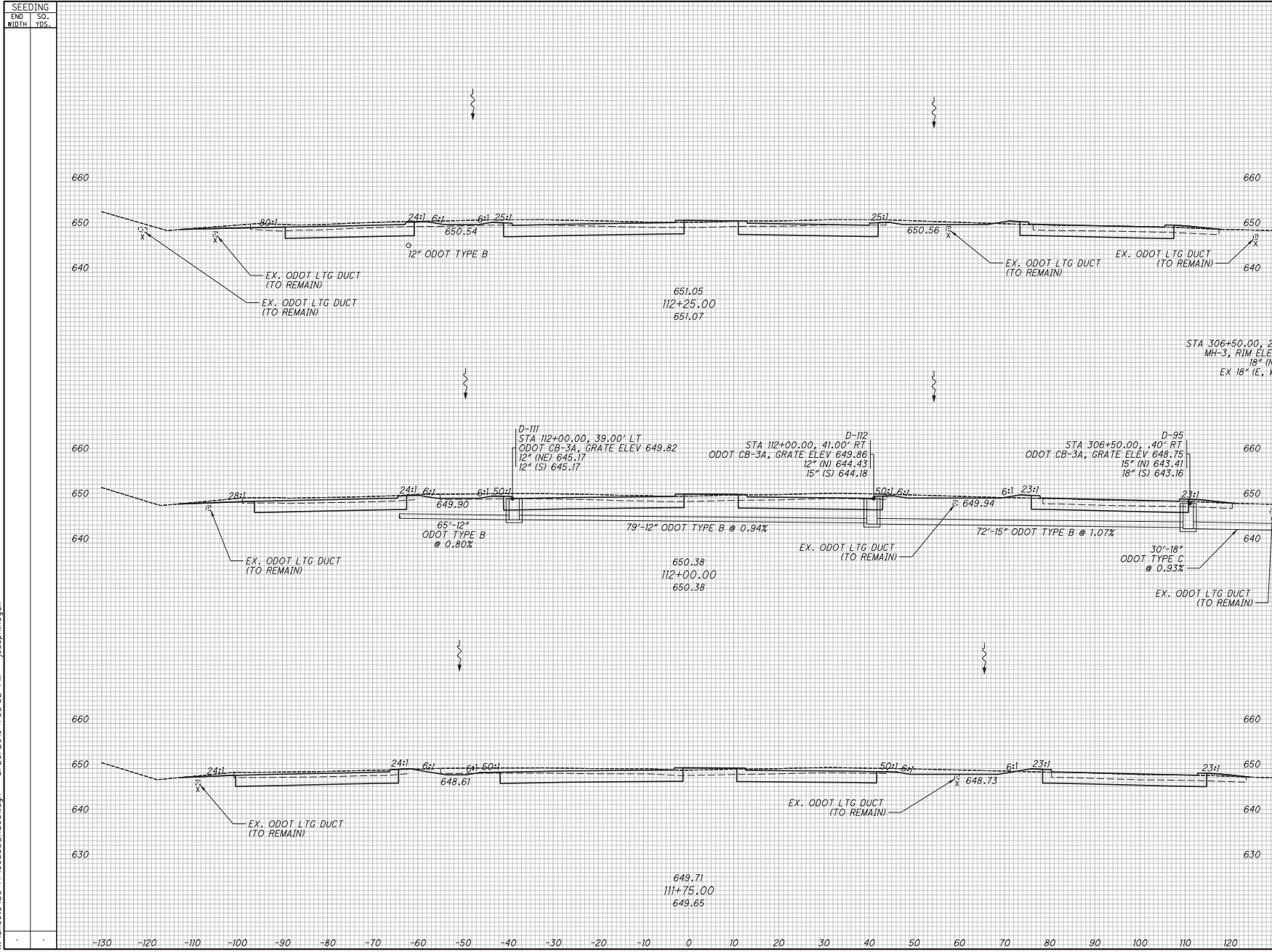


NO.	DATE	RFC	DESCRIPTION	VOLUME		CALCULATED		CHECKED	SM
				CUT	FILL	CUT	FILL		
0	2019-07-29	RF	David R. Penick						
ISSUE RECORD									
CUY-IR490/SR010-									
2.09 / 19.28									

RELEASED
 FOR CONSTRUCTION
 CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
 STA. 110+25.00 TO STA. 110+75.00



NO.	DATE	RFC	DESCRIPTION	VOLUME		CALCULATED		CHECKED	
				CUT	FILL	JTH	SM	CUT	FILL
0	2019-07-29	RF	David R. Penick						
ISSUE RECORD									
CUY-IR490 / SR010-									
2.09 / 19.28									
CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD. STA. 111+00.00 TO STA. 111+50.00									
RELEASED FOR CONSTRUCTION									

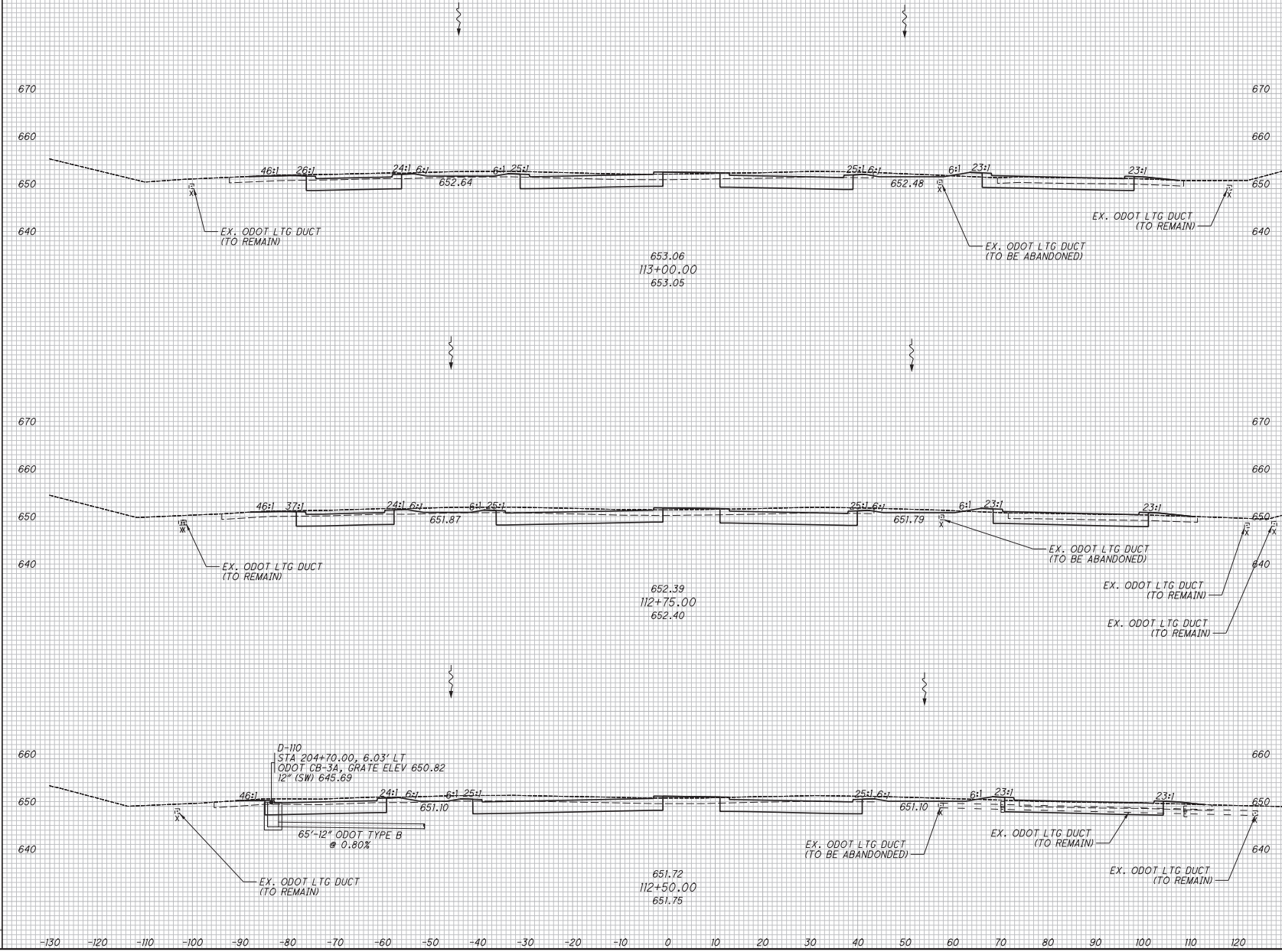


NO.	DATE	DESCRIPTION	VOLUME		CALCULATED		CHECKED	
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0	2019-07-29	RFI						
		David R. Penhatch						
ISSUE RECORD								
2.09 / 19.28								
85								
303								

RELEASED FOR CONSTRUCTION
 CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
 STA. 111+75.00 TO STA. 112+25.00

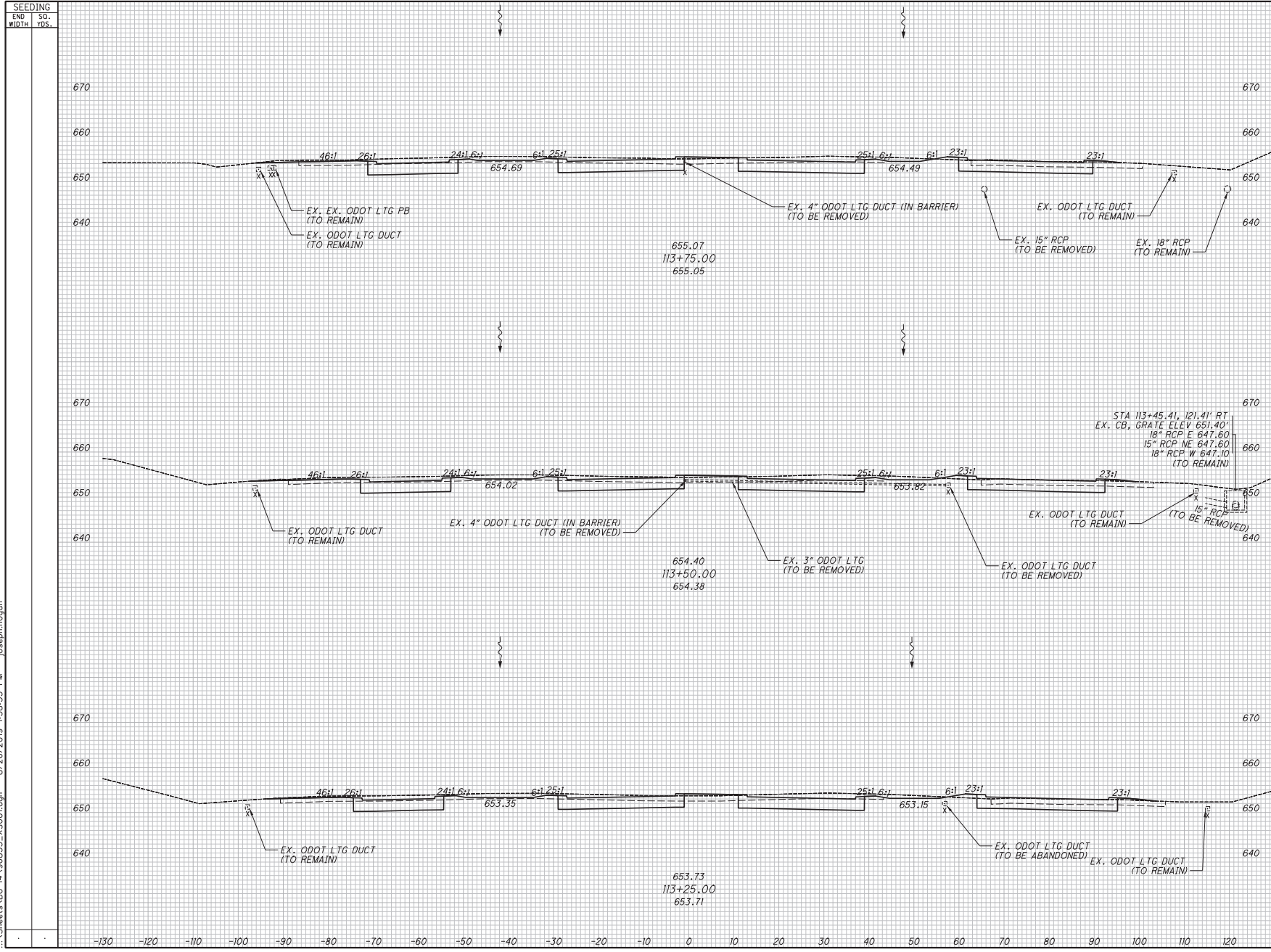
SEEDING	
END WIDTH	SO. YDS.

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



RELEASED
 FOR CONSTRUCTION
 CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
 STA. 112+50.00 TO STA. 113+00.00

NO.	DATE	ISSUE RECORD
0	2019-07-29	RFI David X Penhach
DESCRIPTION		
CUY-IR490/SR010- 2.09 / 19.28		
86 303		



NO.	DATE	RFC	DESCRIPTION	ISSUE RECORD		CALCULATED JTH	CHECKED SM
				DATE	DESCRIPTION		
0	2019-07-29	RF	David R. Penhatch				

END	AREA	VOLUME	
		CUT	FILL

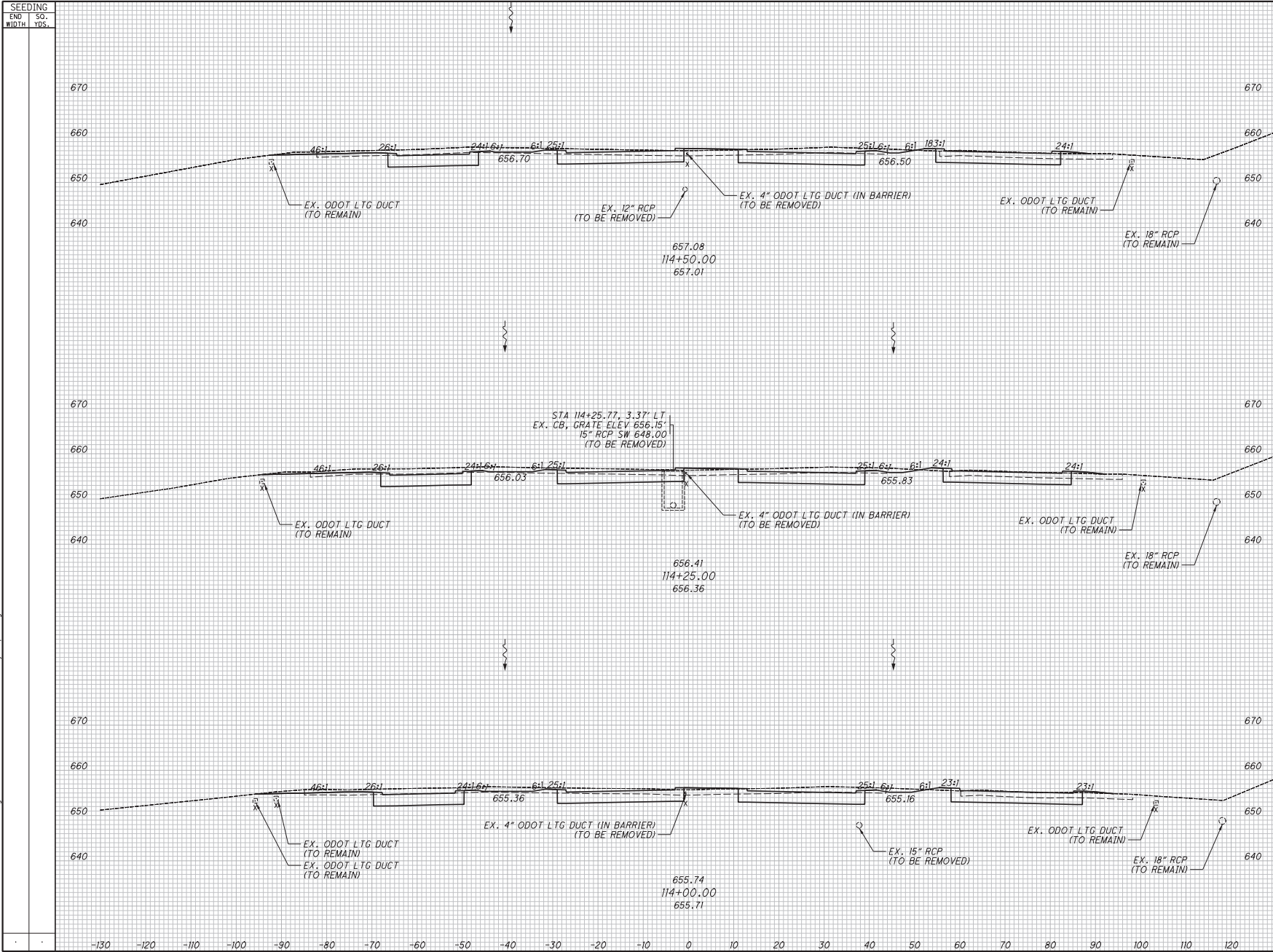
RELEASED

FOR CONSTRUCTION

**CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
STA. 113+25.00 TO STA. 113+75.00**

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

87
303



NO.	DATE	DESCRIPTION	END AREA		VOLUME		CALCULATED JTH	CHECKED	SM
			CUT	FILL	CUT	FILL			
0	2019-07-29	RFI							
		David R. Penhatch							
		ISSUE RECORD							
CUY-IR490/SR010- CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD. STA. 114+00.00 TO STA. 114+50.00									
2.09 / 19.28									
									88 303

RELEASED
 FOR CONSTRUCTION

SEEDING	
END WIDTH	SO. YDS.

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM

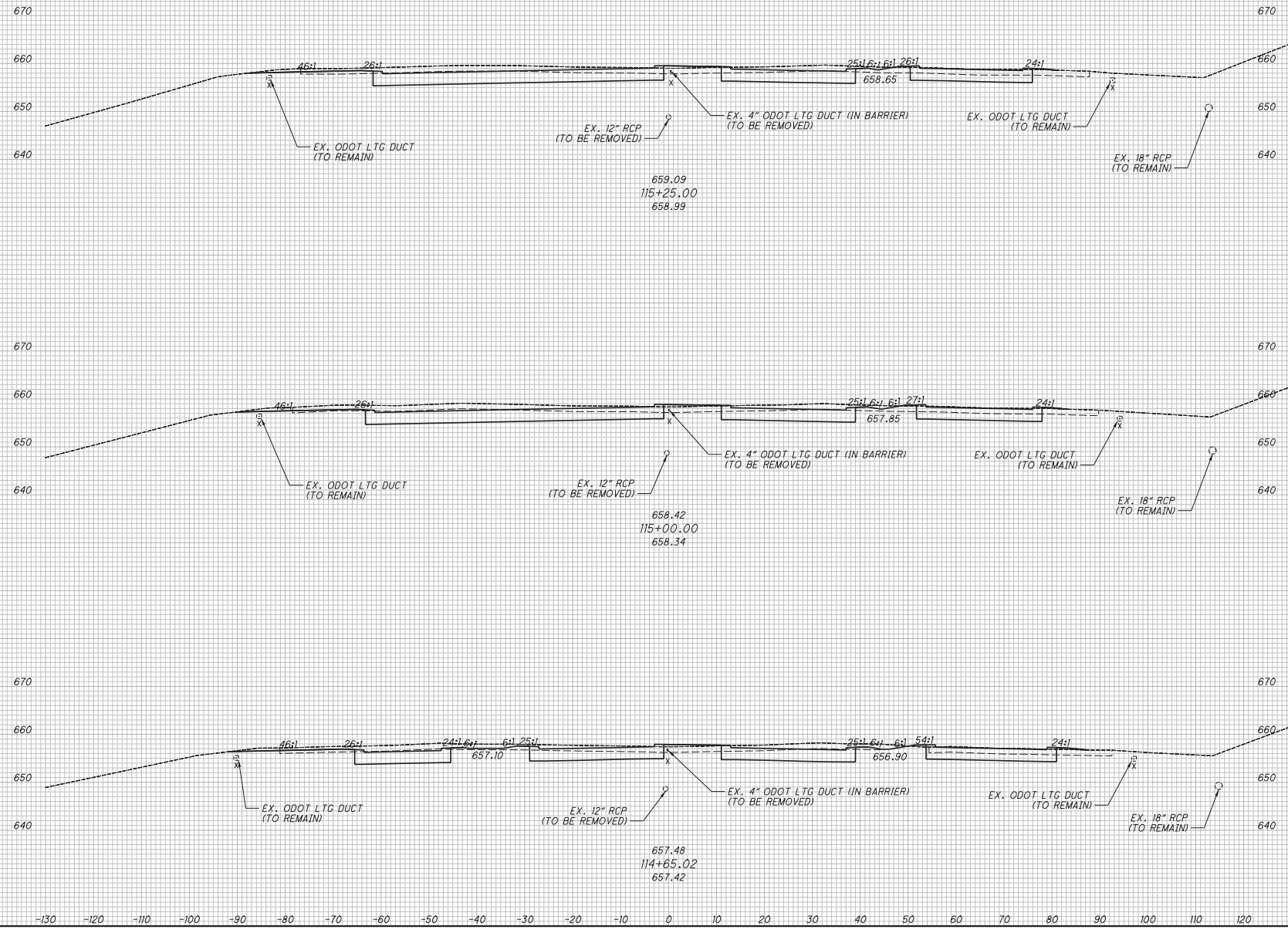
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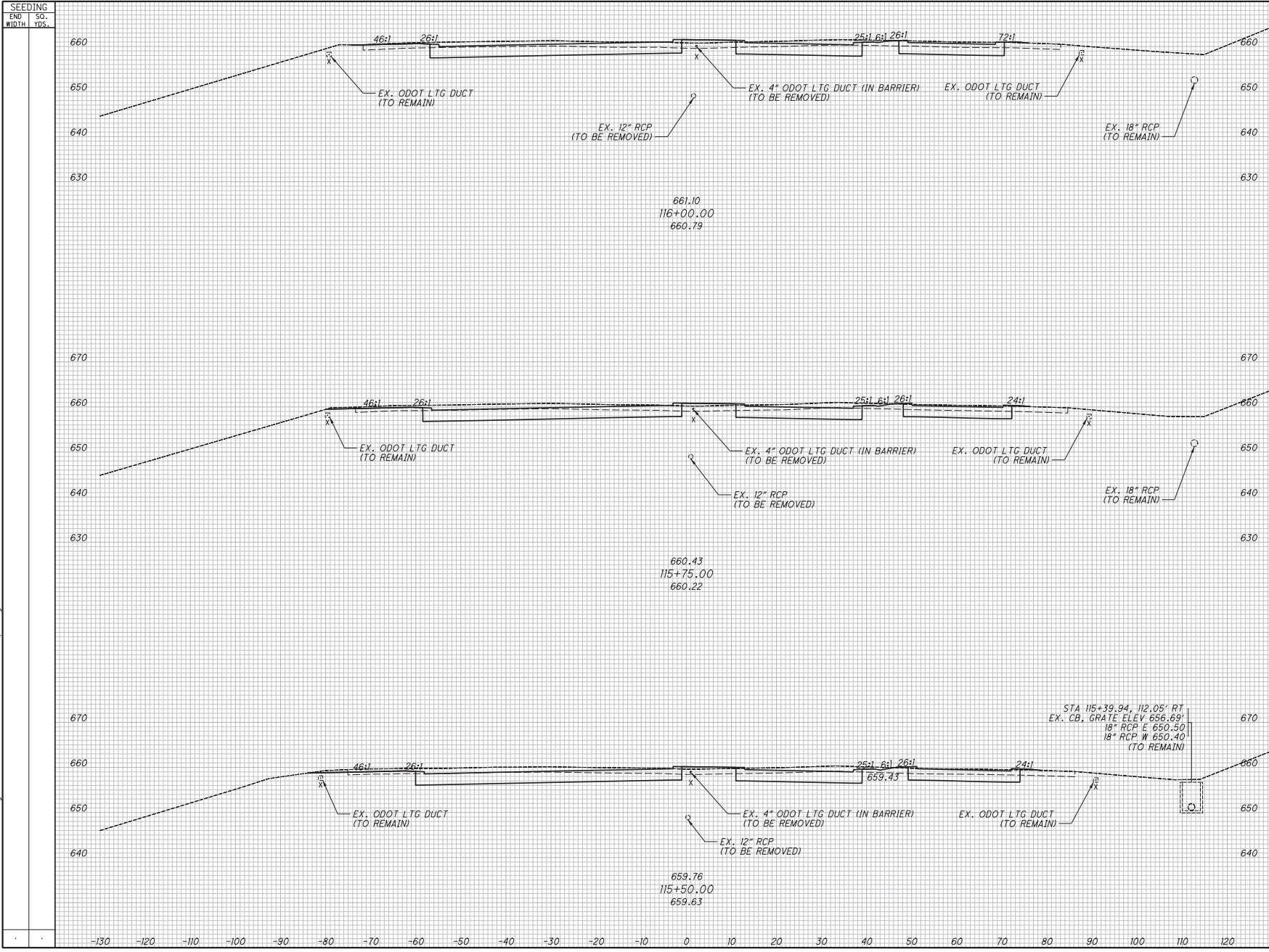
CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
STA. 114+65.02 TO STA. 115+25.00

CUY-IR490/SR010-
2.09 / 19.28

89
303

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





SEEDING		END SO. YDS.		END AREA		VOLUME		CALCULATED		CHECKED	
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	CUT	FILL	JTH	SM	SM	SM

NO.		DATE	ISSUE RECORD
0	2019-07-29	RFC	David R. Penhatch
DESCRIPTION			
CUY-IR490/SR010-			
CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.			
STA. 115+50.00 TO STA. 116+00.00			
2.09 / 19.28			

RELEASED
 FOR CONSTRUCTION

SEEDING	
END WIDTH	SO. YDS.

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM

RELEASED FOR CONSTRUCTION

CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
 STA. 116+25.00 TO STA. 116+50.00

CUY-IR490/SR010-
 2.09 / 19.28

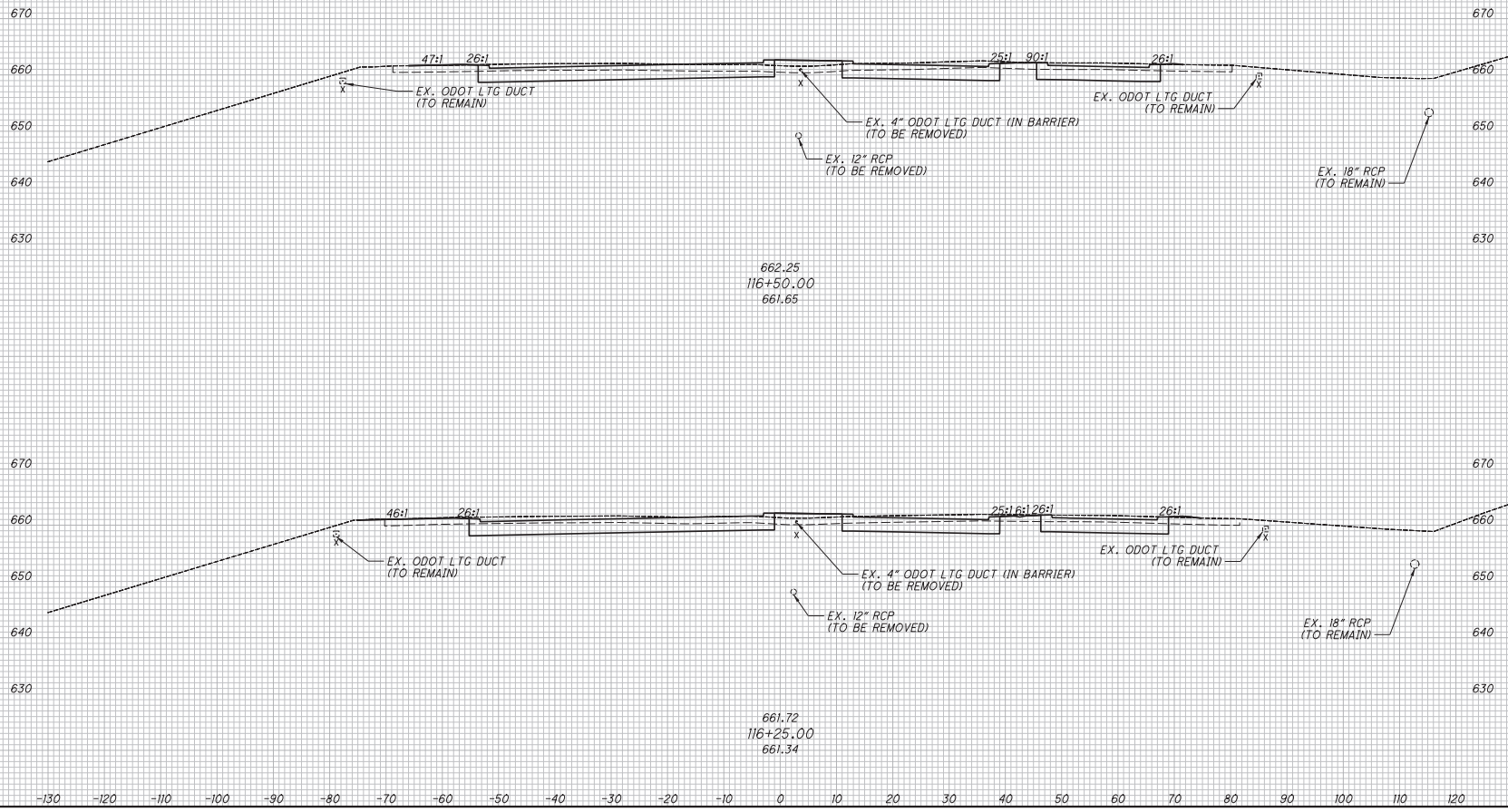
91
 303

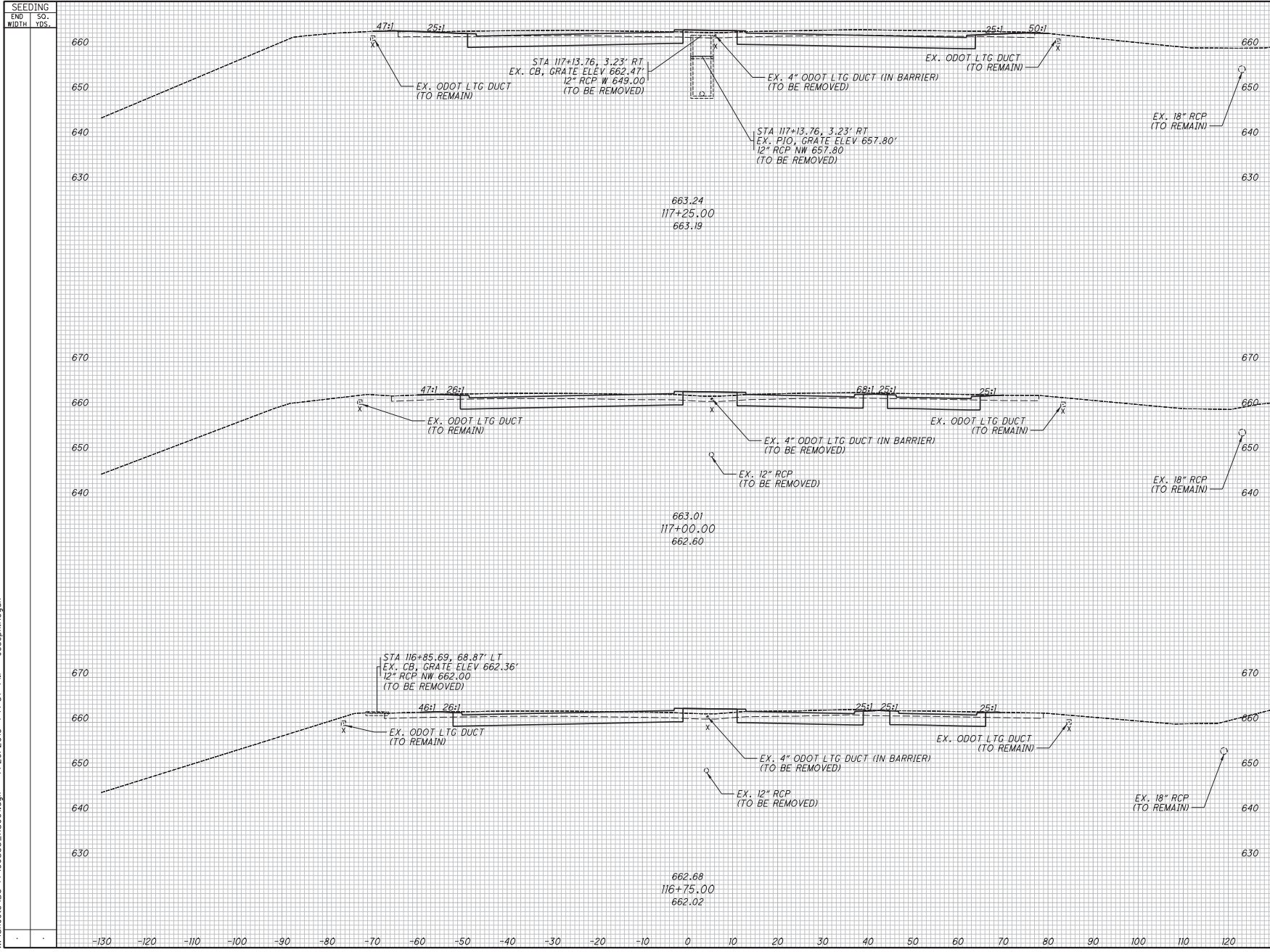
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NO. DATE DESCRIPTION

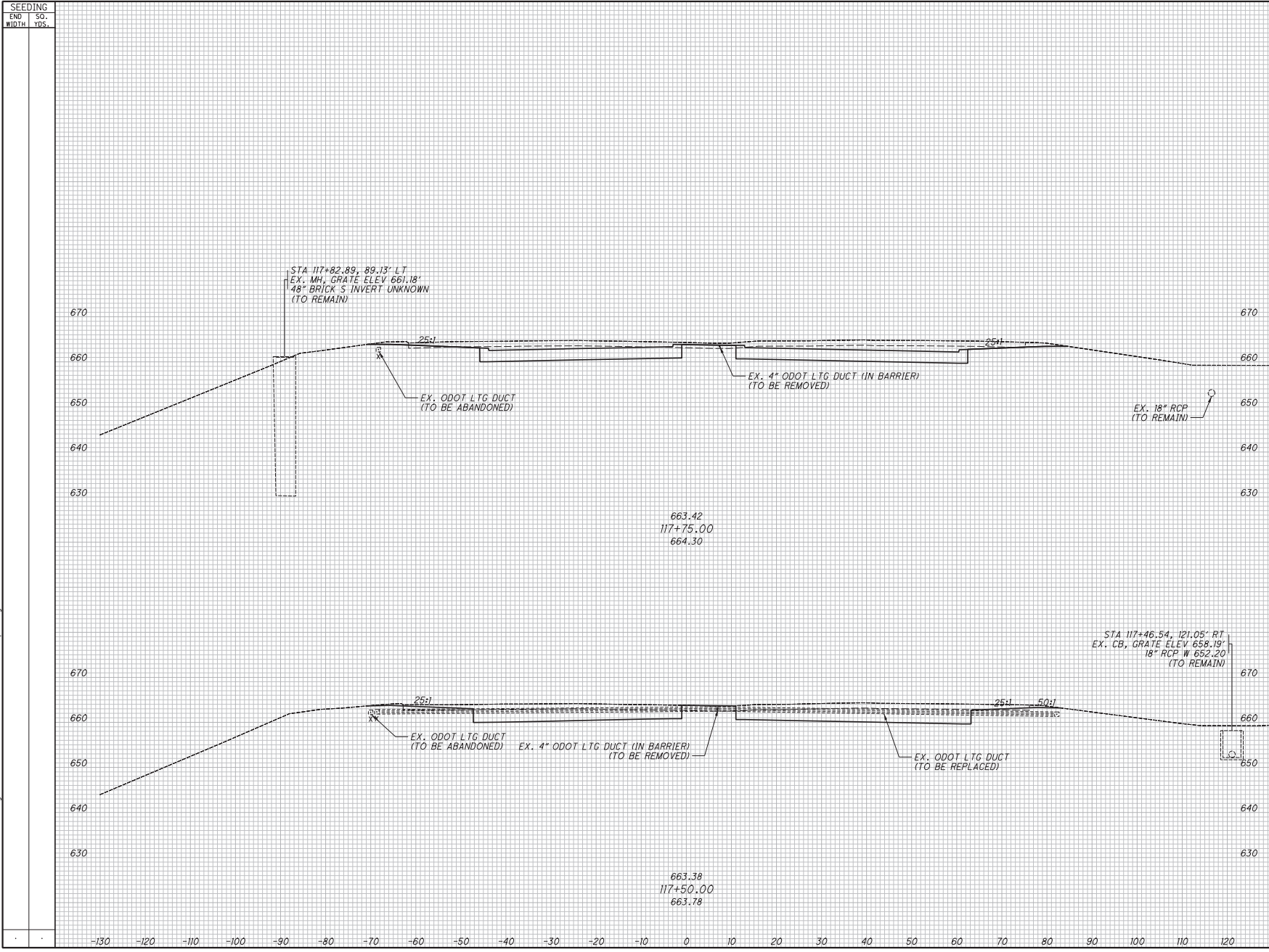
0 2019-07-29 RFC

David X. Pennington





NO.	DATE	RFC	DESCRIPTION	VOLUME		CALCULATED		CHECKED	
				CUT	FILL	JTH	SM	JTH	SM
0	2019-07-29	RF	David R. Penhatch						
ISSUE RECORD									
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<p style="text-align: center;">CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.</p> <p style="text-align: center;">STA. 116+75.00 TO STA. 117+25.00</p>									
<p style="text-align: center;">CUY-IR490/SR010-</p> <p style="text-align: center;">2.09 / 19.28</p>									
<p style="text-align: center;">92</p> <p style="text-align: center;">303</p>									

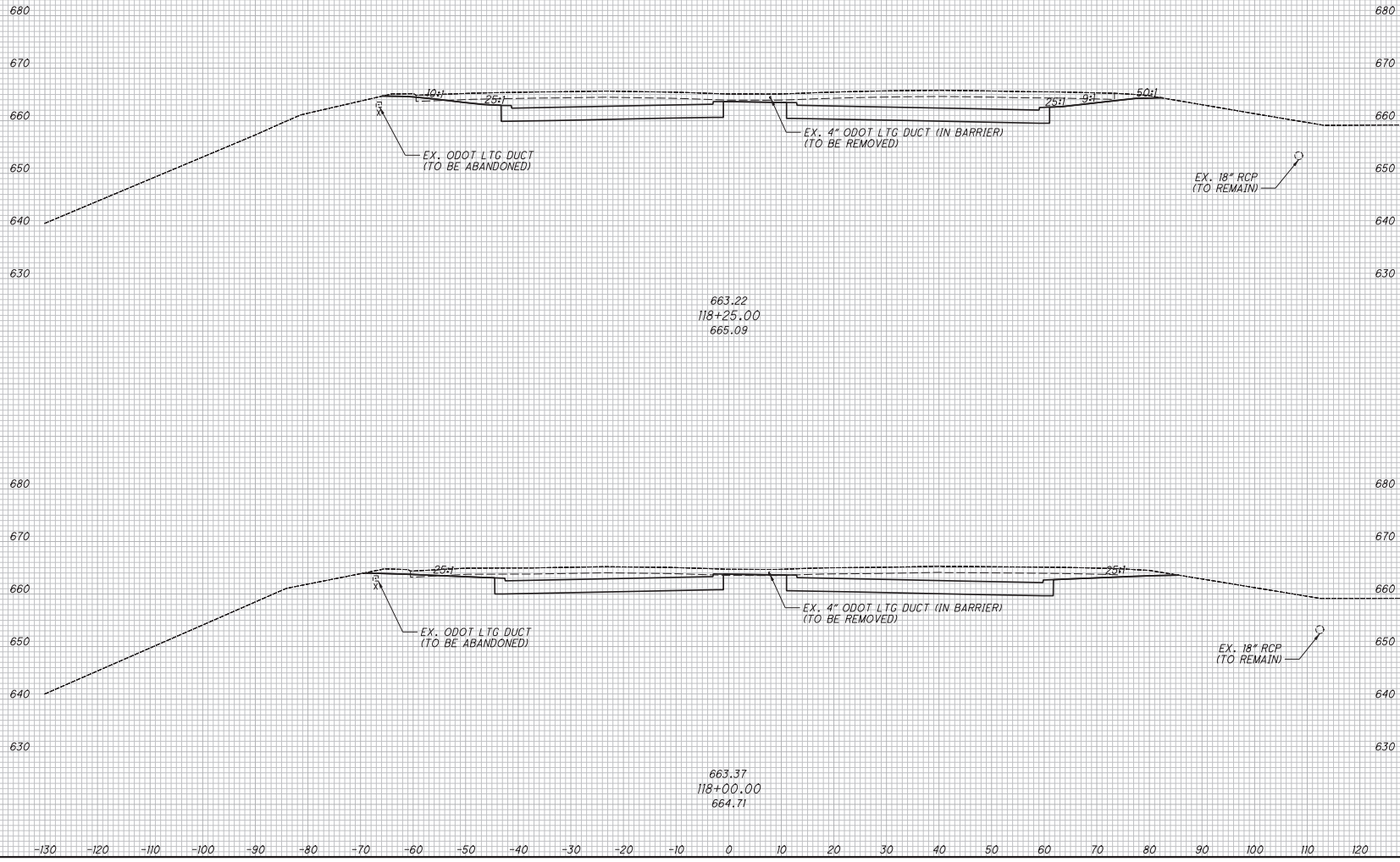


SEEDING		END AREA		VOLUME		CALCULATED		CHECKED	
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	JTH	SM	DATE	BY
								0	2019-07-29
								RFC <i>David R. Penick</i> DESCRIPTION ISSUE RECORD CUY-IR490/SR010- 2.09 / 19.28	
								CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD. STA. 117+50.00 TO STA. 117+75.00	

RELEASED
 FOR CONSTRUCTION
 CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
 STA. 117+50.00 TO STA. 117+75.00

SEEDING	
END WIDTH	SO. YDS.

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM



RELEASED
 FOR CONSTRUCTION
 CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
 STA. 118+00.00 TO STA. 118+25.00

NO. DATE
 0 2019-07-29
 DESCRIPTION
 David R. Penhatch
 ISSUE RECORD

CUY-IR490/SR010-
 2.09 / 19.28

94
 303

SEEDING	
END WIDTH	SO. YDS.

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM

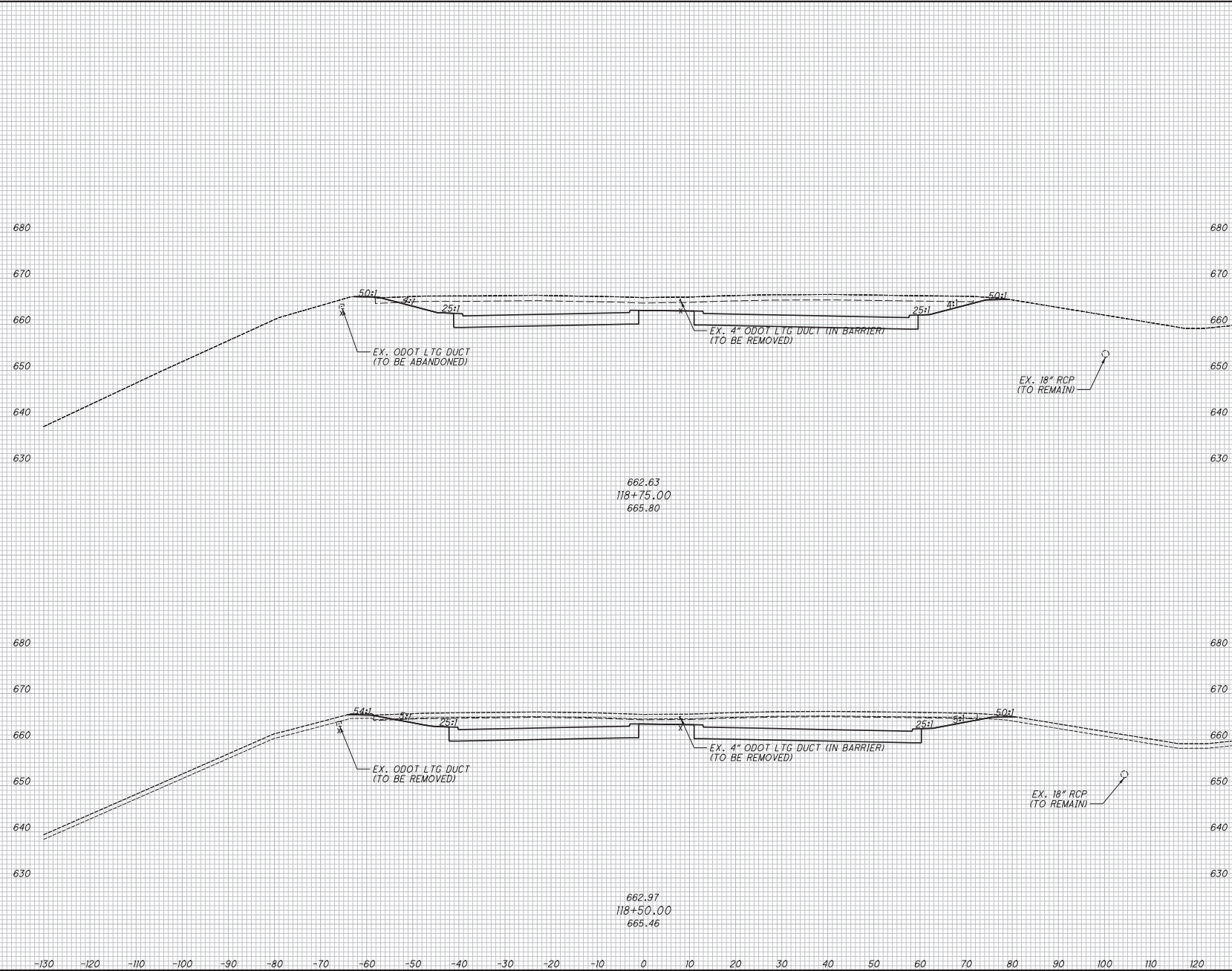
RELEASED FOR CONSTRUCTION

CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
 STA. 118+50.00 TO STA. 118+75.00

CUY-IR490/SR010-
 2.09 / 19.28

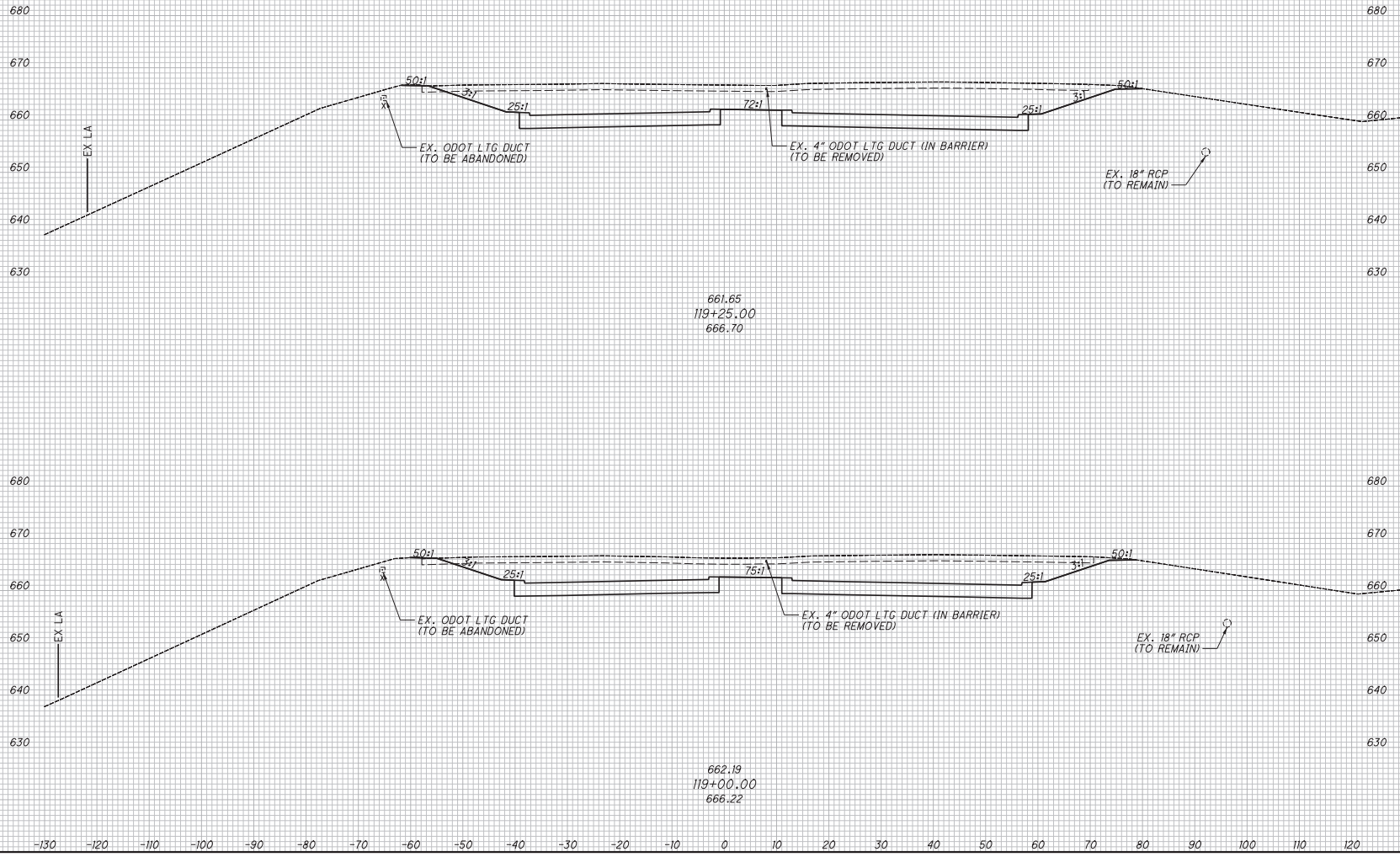
95
 303

NO. DATE
 0 2019-07-29
 DESCRIPTION
 David R. Penick
 ISSUE RECORD



SEEDING	
END WIDTH	SO. YDS.

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



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

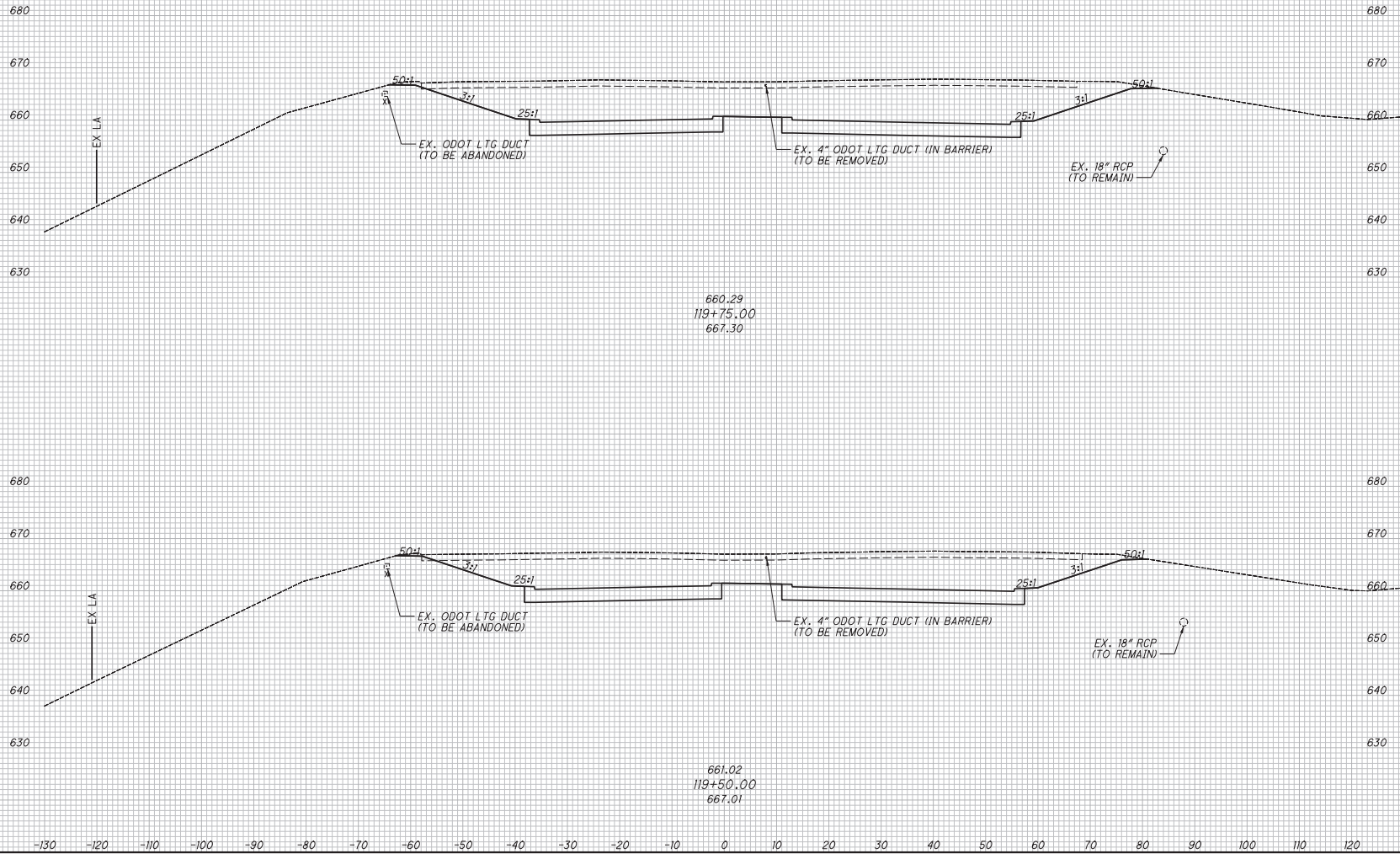
NO. DATE
 0 2019-07-29
 DESCRIPTION
 David R. Penick
 ISSUE RECORD

CUY-IR490 / SR010-
 2.09 / 19.28

96
 303

SEEDING	
END WIDTH	SO. YDS.

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



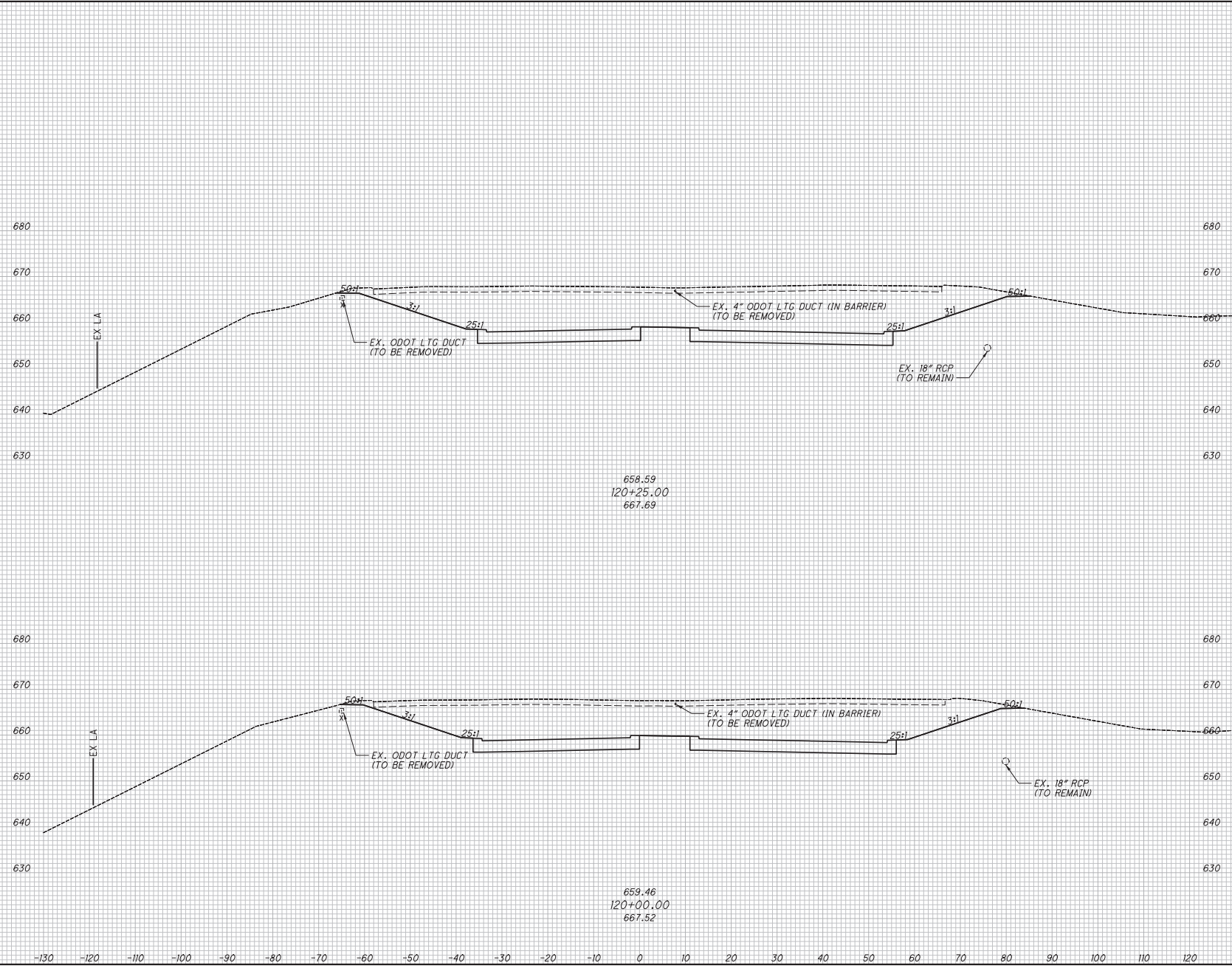
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 FOR CONSTRUCTION
 CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
 STA. 119+50.00 TO STA. 119+75.00

NO.	DATE	ISSUE RECORD
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DESCRIPTION		
CUY-IR490/SR010-		
2.09 / 19.28		

97
303

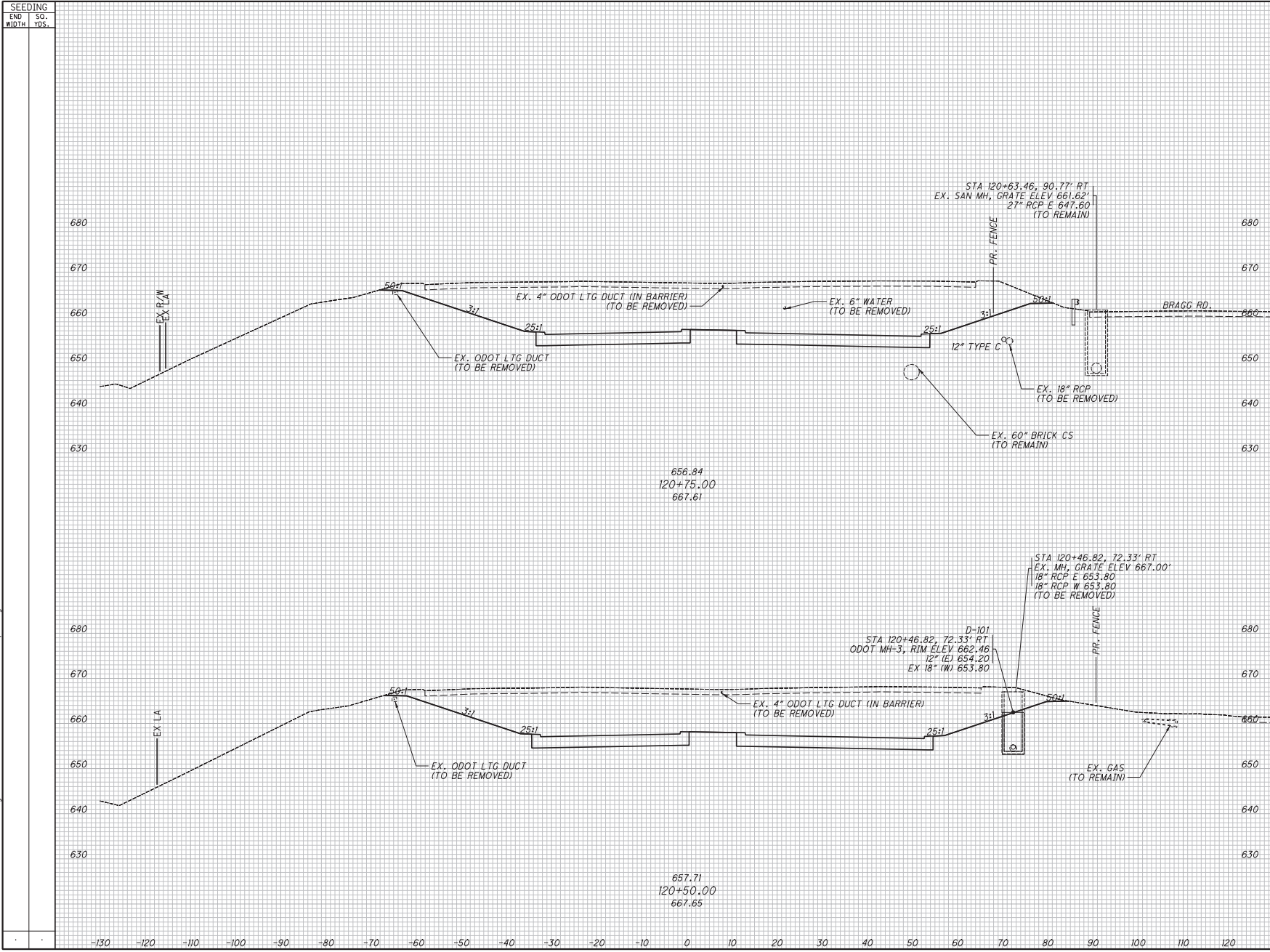
SEEDING	
END WIDTH	SO. YDS.

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM



0	2019-07-29	RF	David R. Penhax	DESCRIPTION	CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD. STA. 120+00.00 TO STA. 120+25.00
				ISSUE RECORD	
					2.09 / 19.28
					98 303

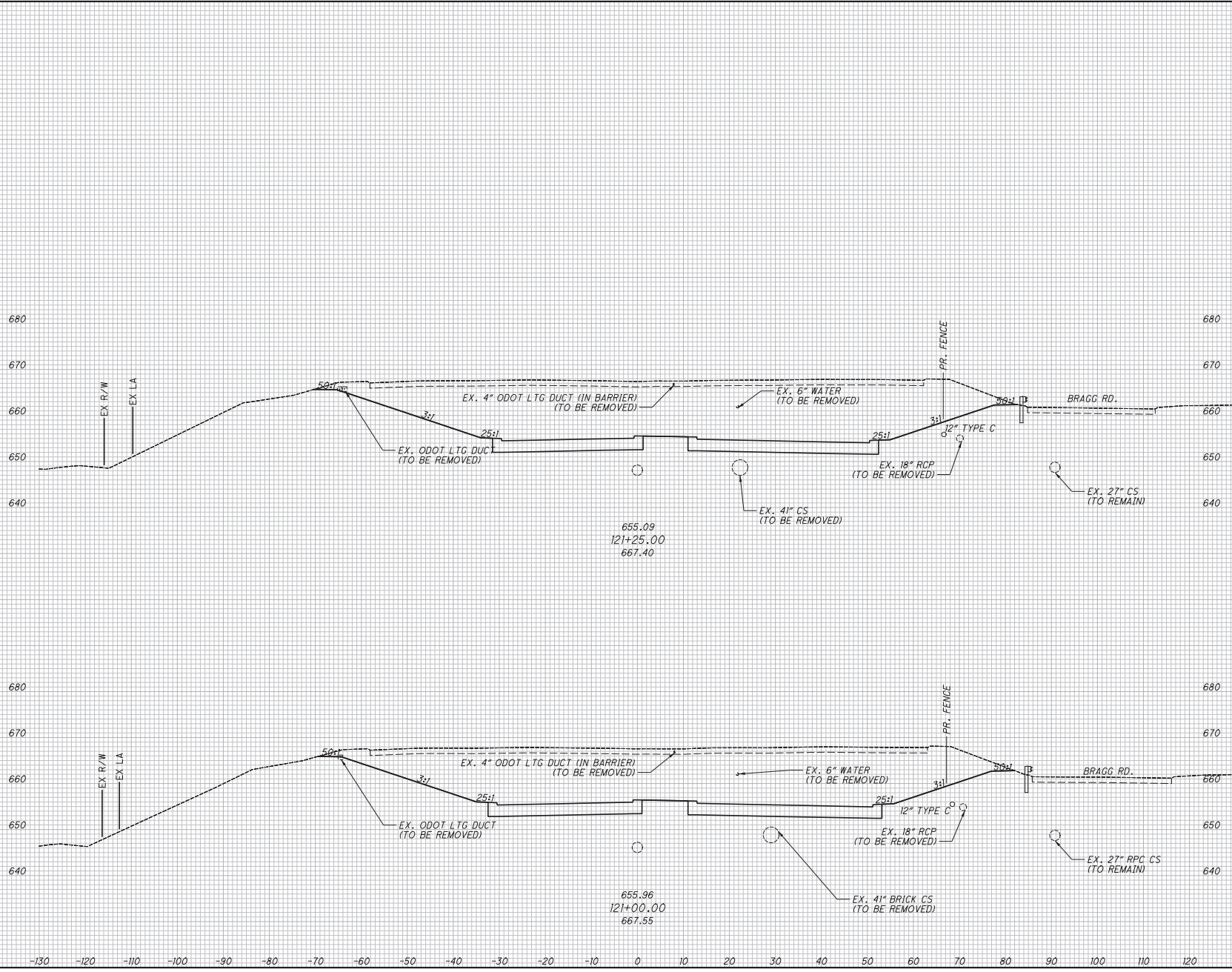
RELEASED
 FOR CONSTRUCTION



NO.	DATE	DESCRIPTION	END AREA		VOLUME		CALCULATED JTH	CHECKED SM
			CUT	FILL	CUT	FILL		
0	2009-07-29	RFC <i>David R. Penhatch</i>						
ISSUE RECORD								
FOR CONSTRUCTION CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD. STA. 120+50.00 TO STA. 120+75.00								
CUY-IR490/SR010- 2.09 / 19.28								
99 303								

RELEASED

SEEDING
END WIDTH
SO. YDS.



END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM
RELEASED					
FOR CONSTRUCTION					
CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD. STA. 121+00.00 TO STA. 121+25.00					
CUY-IR490/SR010- 2.09 / 19.28					
ISSUE RECORD					
NO.	DATE	RFI	DESCRIPTION		
0	2019-07-29	David R. Penhatch			
100 303					

SEEDING	
END WIDTH	SO. YDS.

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM

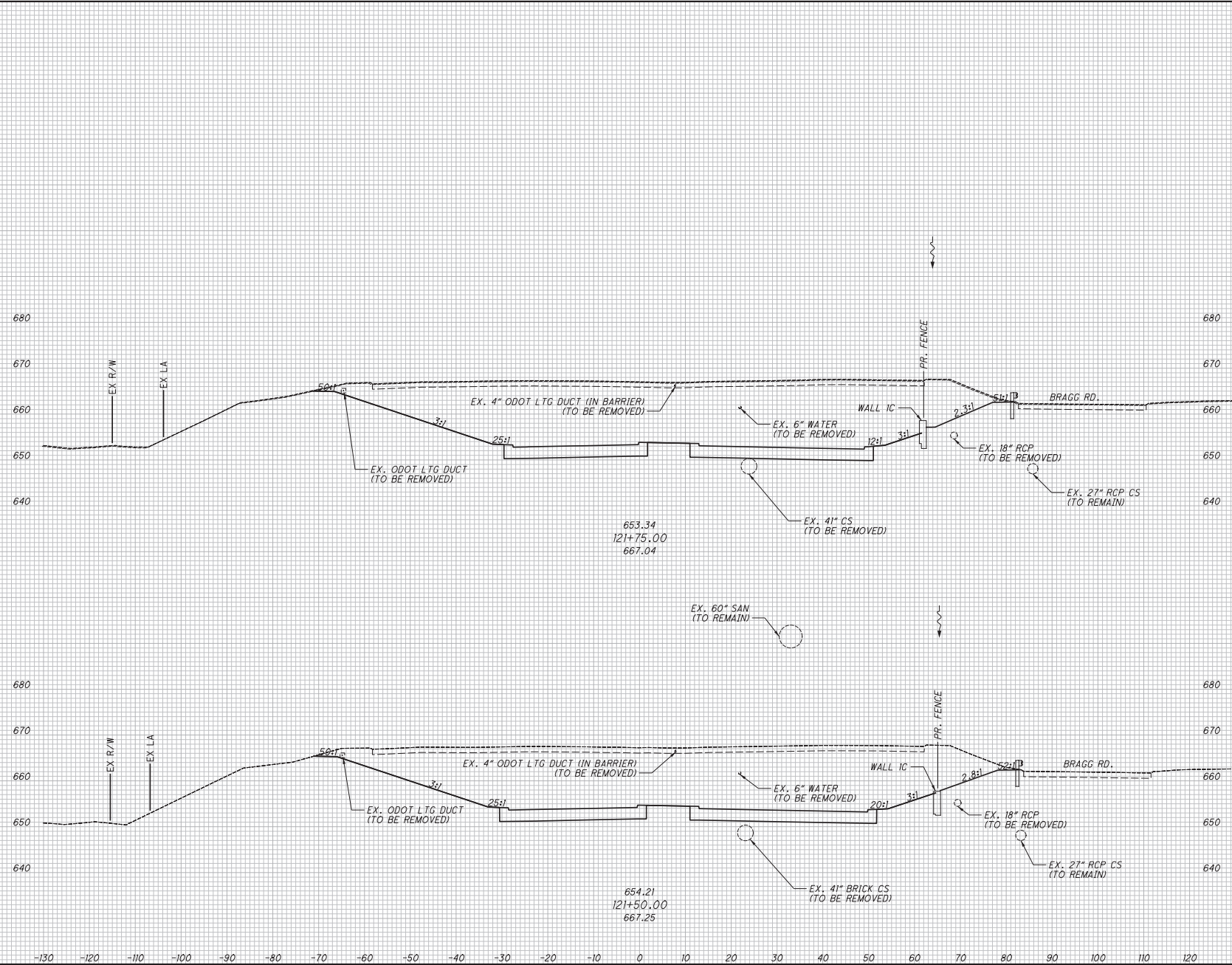
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CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
 STA. 121+50.00 TO STA. 121+75.00

CUY-IR490/SR010-
 2.09 / 19.28

101
 303

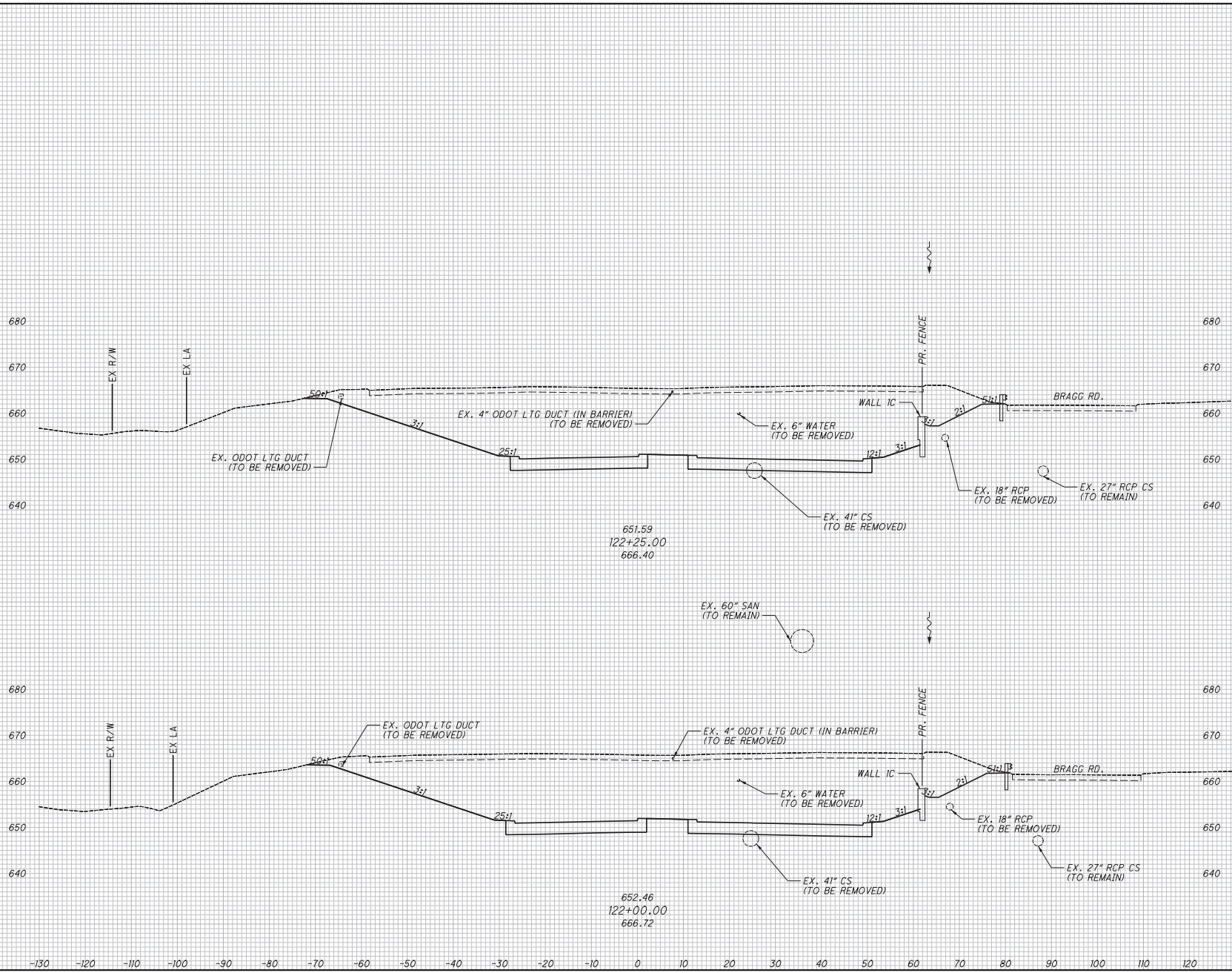
NO.	DATE	ISSUE RECORD
0	2019-07-29	RFI <i>David R. Penhatch</i>



653.34
 121+75.00
 667.04

654.21
 121+50.00
 667.25

SEEDING
END WIDTH
SO. YDS.



END AREA	VOLUME	CALCULATED	CHECKED	SM

RELEASED

FOR CONSTRUCTION

CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
 STA. 122+00.00 TO STA. 122+25.00

NO.	DATE	ISSUE RECORD
0	2019-07-29	RFC <i>David R. Penchak</i>
DESCRIPTION		
2.09 / 19.28		

SEEDING	SO.
END WIDTH	YDS.

END AREA		VOLUME		CALCULATED		CHECKED	
CUT	FILL	CUT	FILL	JTH	SM		

RELEASED FOR CONSTRUCTION

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

CUY-IR490/SR010-
 2.09 / 19.28

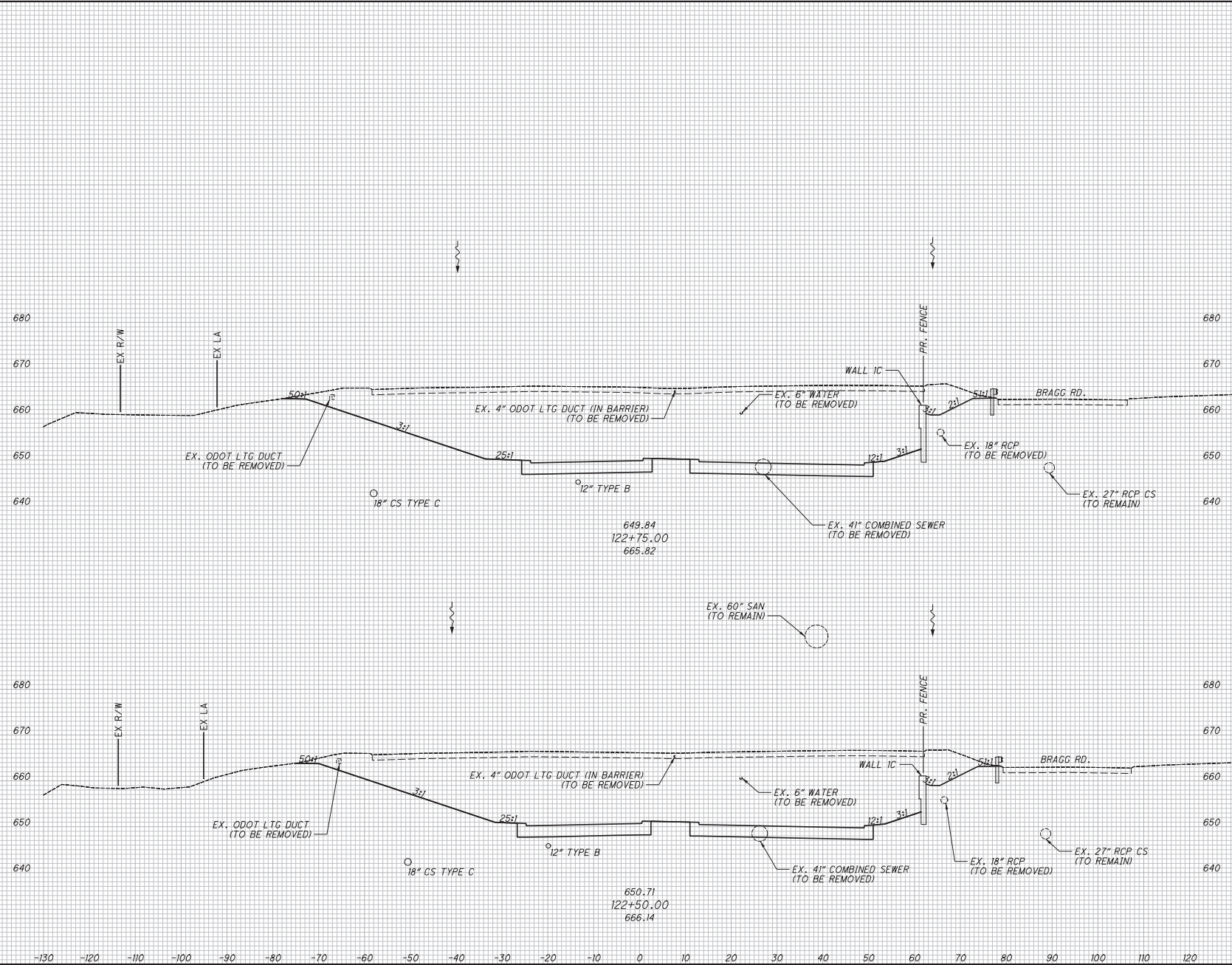
103
303

ISSUE RECORD

NO.	DATE	DESCRIPTION
0	2019-07-29	RFI

David R. Pennington

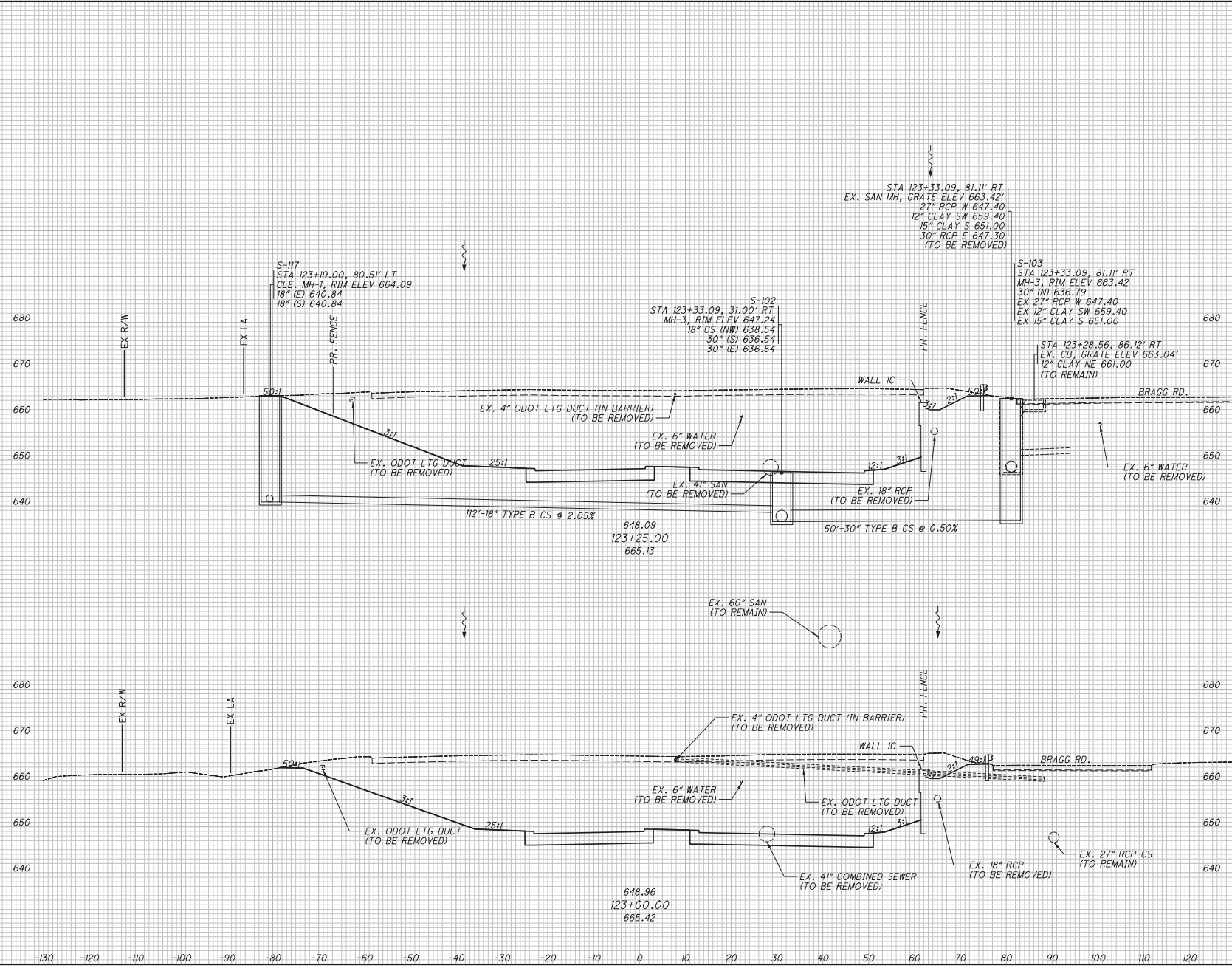
2019-07-29



EX. R/W
 EX. LA
 EX. ODOT LTG DUCT (TO BE REMOVED)
 EX. 4" ODOT LTG DUCT (IN BARRIER) (TO BE REMOVED)
 EX. 6" WATER (TO BE REMOVED)
 WALL 1C
 PR. FENCE
 BRAGG RD.
 EX. 18" RCP (TO BE REMOVED)
 EX. 27" RCP CS (TO REMAIN)
 EX. 41" COMBINED SEWER (TO BE REMOVED)
 EX. 60" SAN (TO REMAIN)
 18" CS TYPE C
 12" TYPE B
 649.84
 122+75.00
 665.82
 650.71
 122+50.00
 666.14

SEEDING	SO.
END WIDTH	YDS.

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM



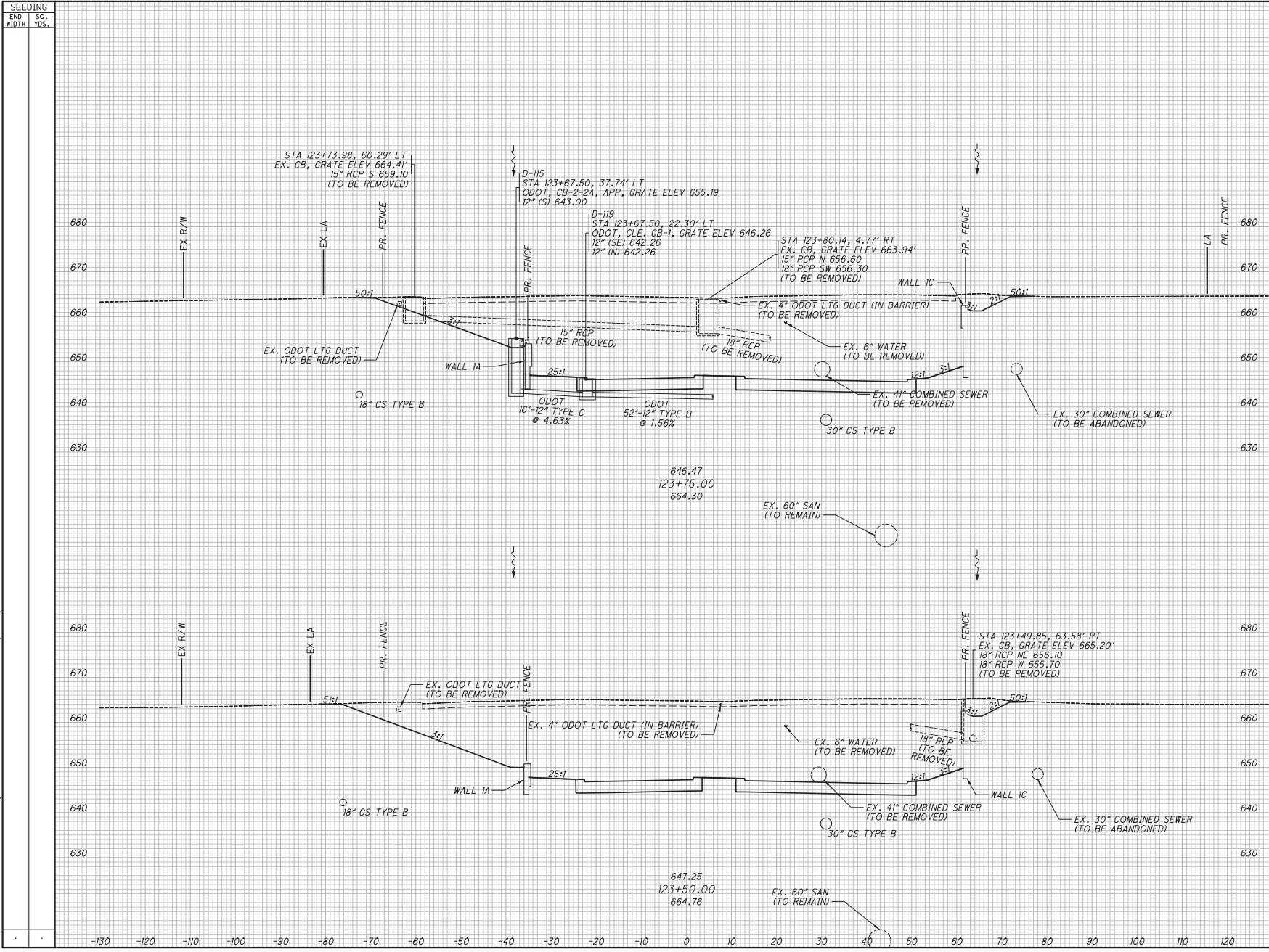
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FOR CONSTRUCTION

CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
 STA. 123+00.00 TO STA. 123+25.00

NO.	DATE	RFC	DESCRIPTION	ISSUE RECORD
0	2019-07-29	Derek Johnson	Begin Project to Kingsbury Run	

104
303

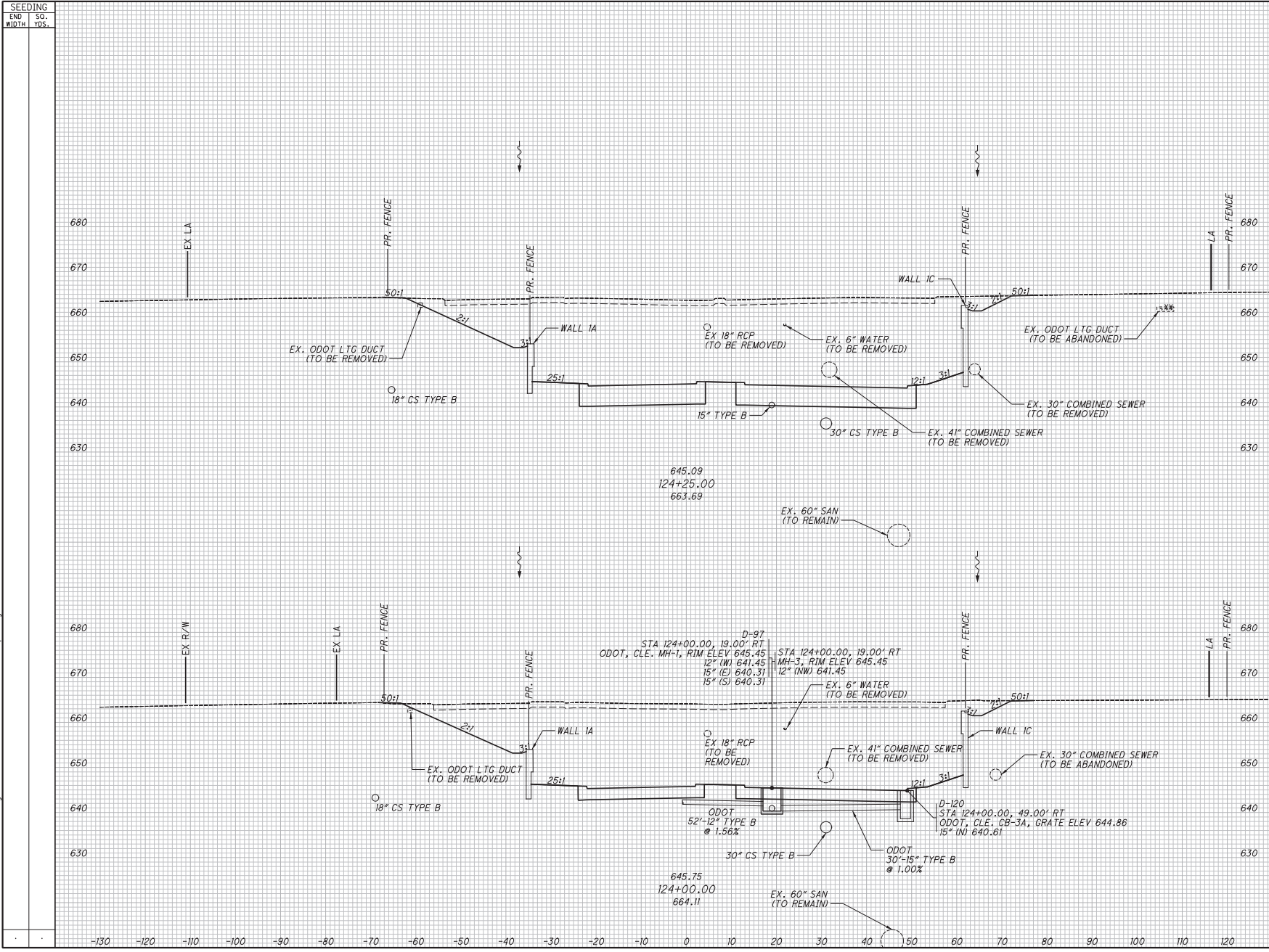


SEEDING		END SO. YDS.		END AREA		VOLUME		CALCULATED		CHECKED	
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	JTH	SM	JTH	SM	JTH	SM

NO. DATE		DESCRIPTION	
0	2019-07-29	RF	David R. Penhatch
ISSUE RECORD		2.09 / 19.28	

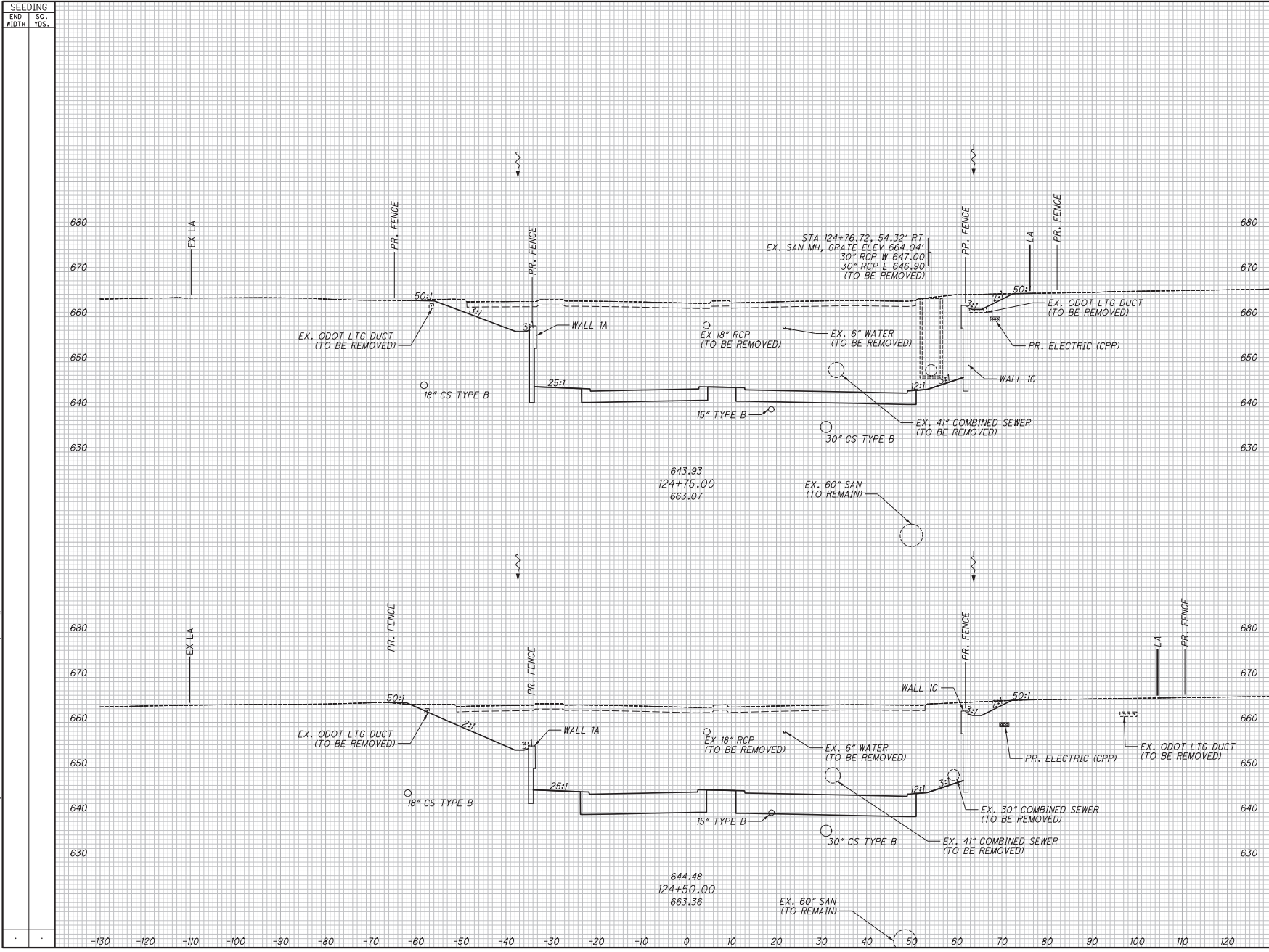
105	
303	

RELEASED
 FOR CONSTRUCTION
 CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
 STA. 123+50.00 TO STA. 123+75.00



SEEDING		END AREA		VOLUME		CALCULATED		CHECKED	
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	JTH	SM	JTH	SM

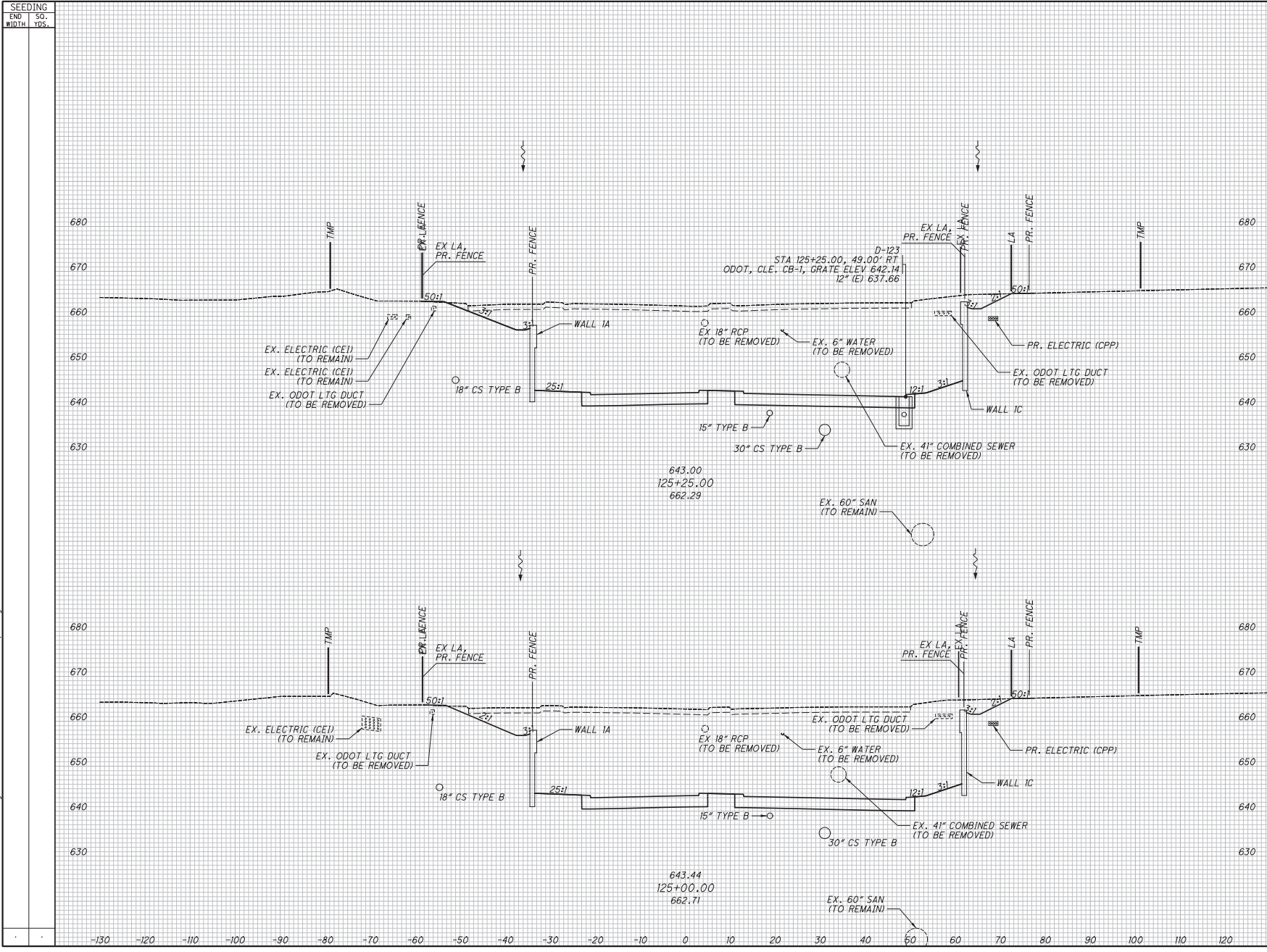
NO. DATE		0 2019-07-29	RF	David R. Penhatch
DESCRIPTION		ISSUE RECORD		
PROJECT		FOR CONSTRUCTION		
SECTION		CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.		
STATION		STA. 124+00.00 TO STA. 124+25.00		
DATE		2.09 / 19.28		
SCALE		106 / 303		



SEEDING		END AREA		VOLUME		CALCULATED		CHECKED	
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	JTH	SM	JTH	SM

NO. DATE		DESCRIPTION	
0	2019-07-29	RFI	David R. Penhatch
ISSUE RECORD			
2.09 / 19.28		107 / 303	

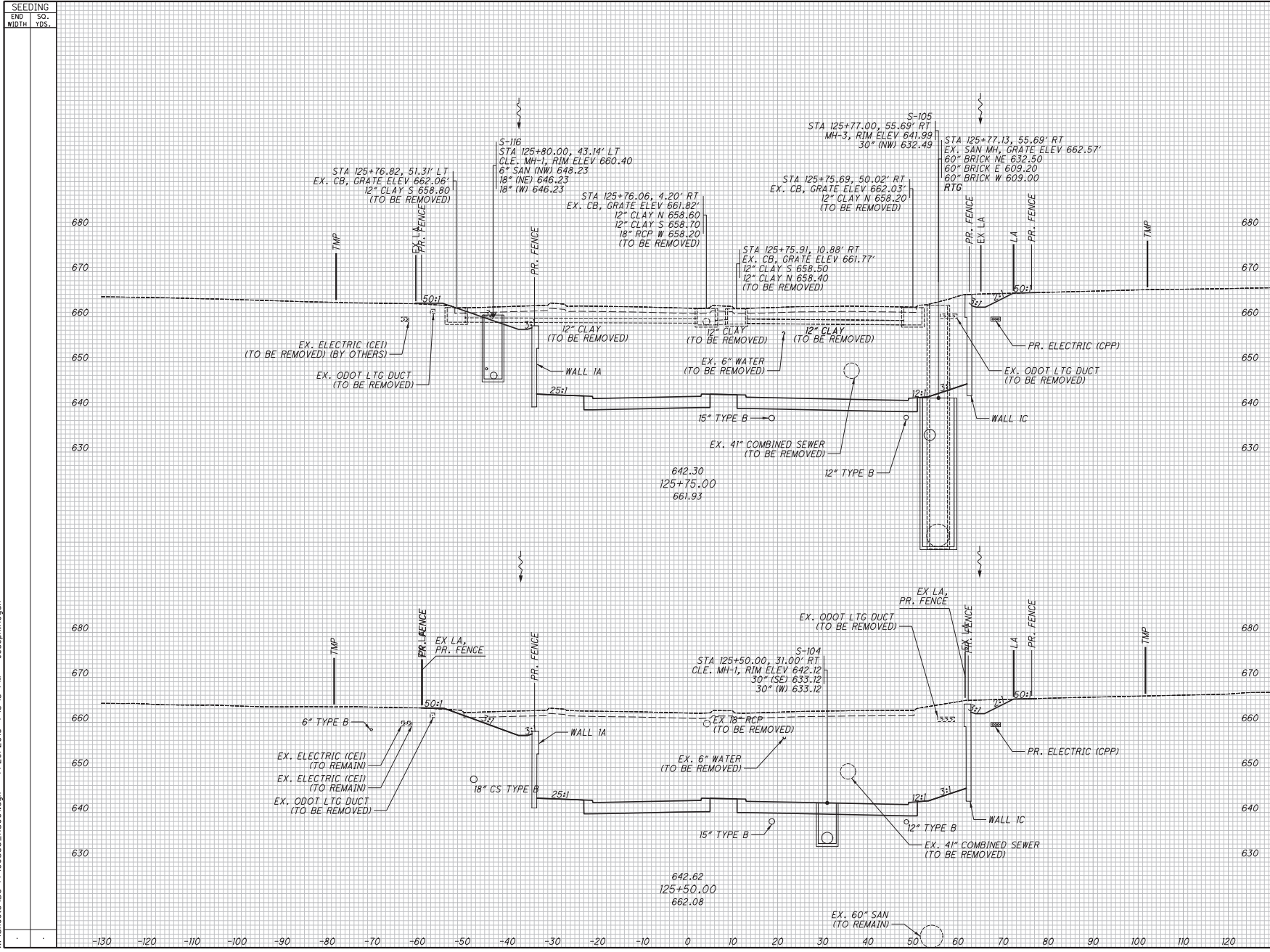
RELEASED
 FOR CONSTRUCTION
 CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
 STA. 124+50.00 TO STA. 124+75.00



NO.	DATE	RFC	DESCRIPTION	VOLUME		CALCULATED		CHECKED	
				CUT	FILL	CUT	FILL	JTH	SM
0	2019-07-29	RF	David R. Penhatch						
ISSUE RECORD									
CUY-IR490/SR010- CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD. STA. 125+00.00 TO STA. 125+25.00									
2.09 / 19.28									
				108		303			

RELEASED

FOR CONSTRUCTION



SEEDING		END AREA		VOLUME		CALCULATED		CHECKED	
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	JTH	SM	JTH	SM

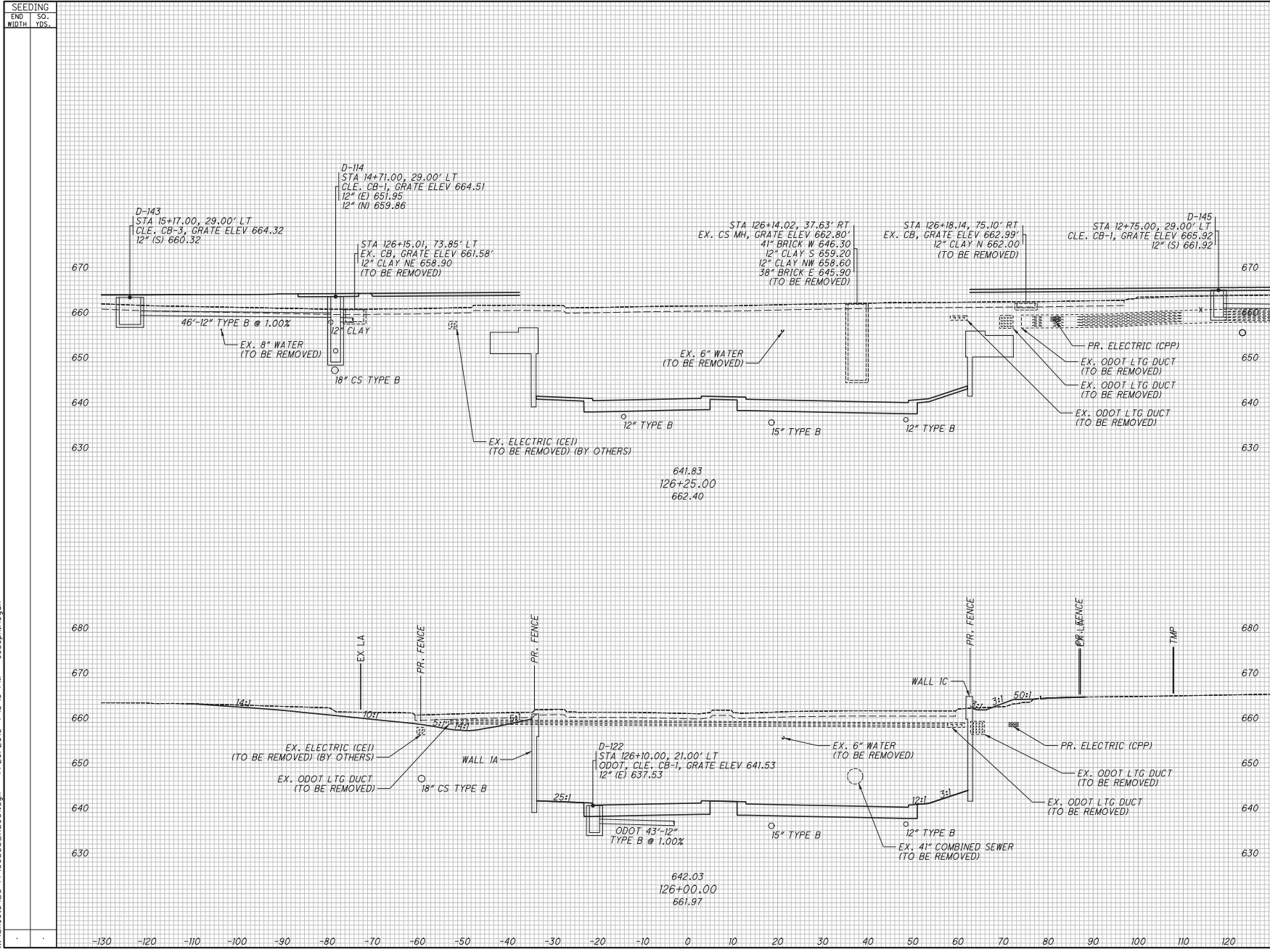
NO. DATE		0 2019-07-29	RF	David R. Penhatch
DESCRIPTION		ISSUE RECORD		
NO.		109	303	

RELEASED

FOR CONSTRUCTION

**CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
 STA. 125+50.00 TO STA. 125+75.00**

2.09 / 19.28

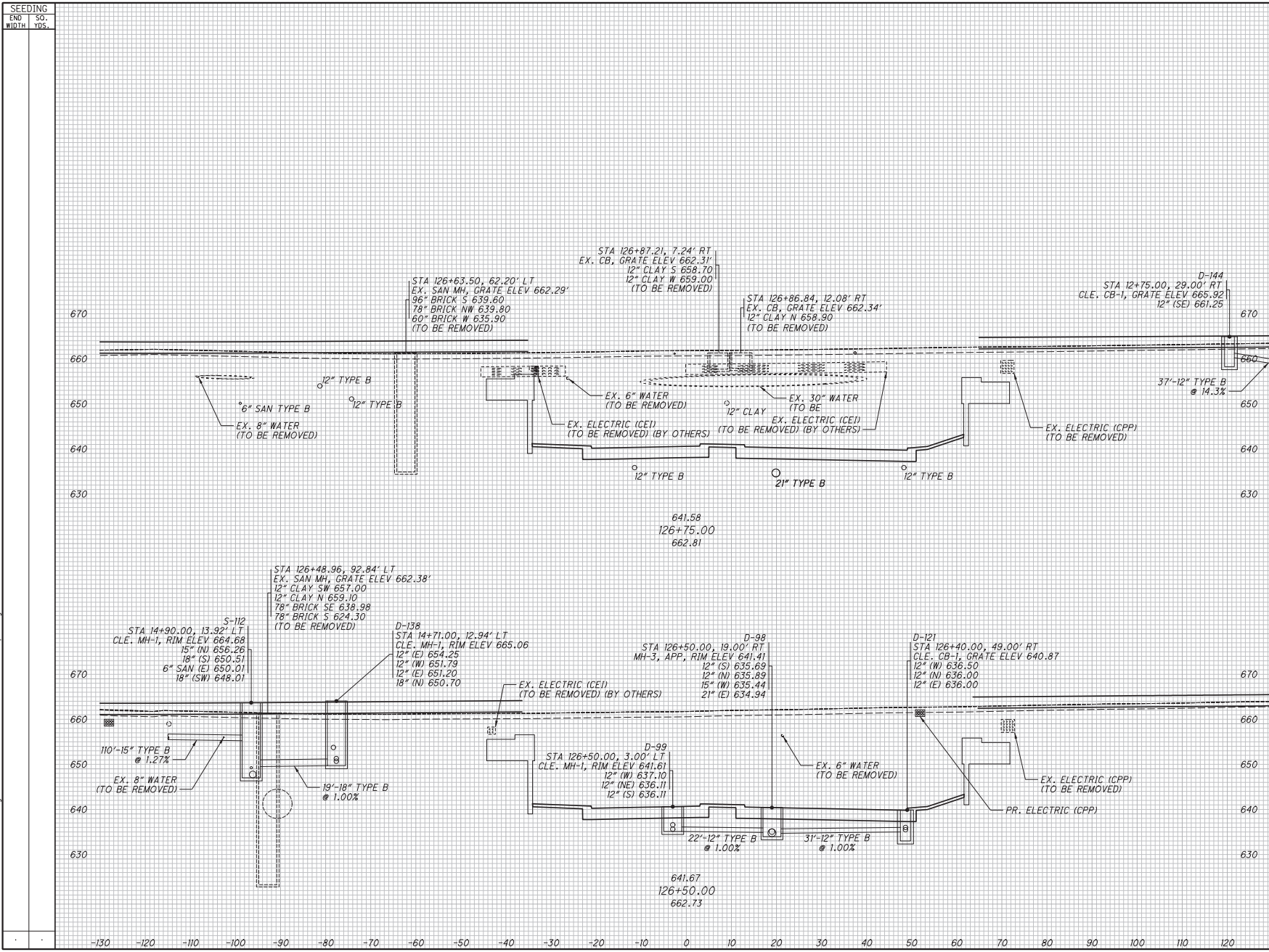


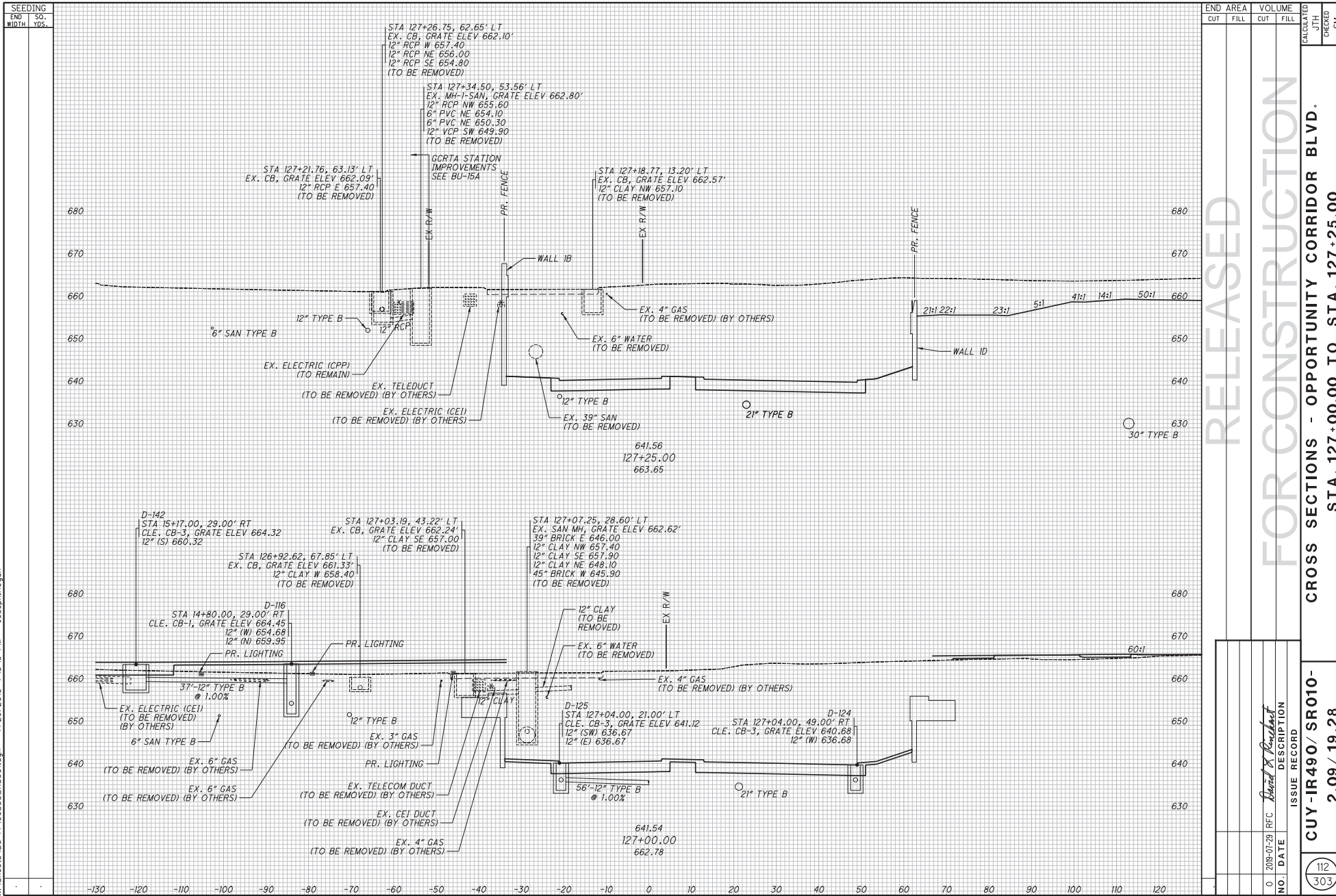
NO.	DATE	RFC	DESCRIPTION	VOLUME		END AREA	
				CUT	FILL	CUT	FILL
0	2009-07-29	RF	David R. Penchuck				
ISSUE RECORD				110	303		

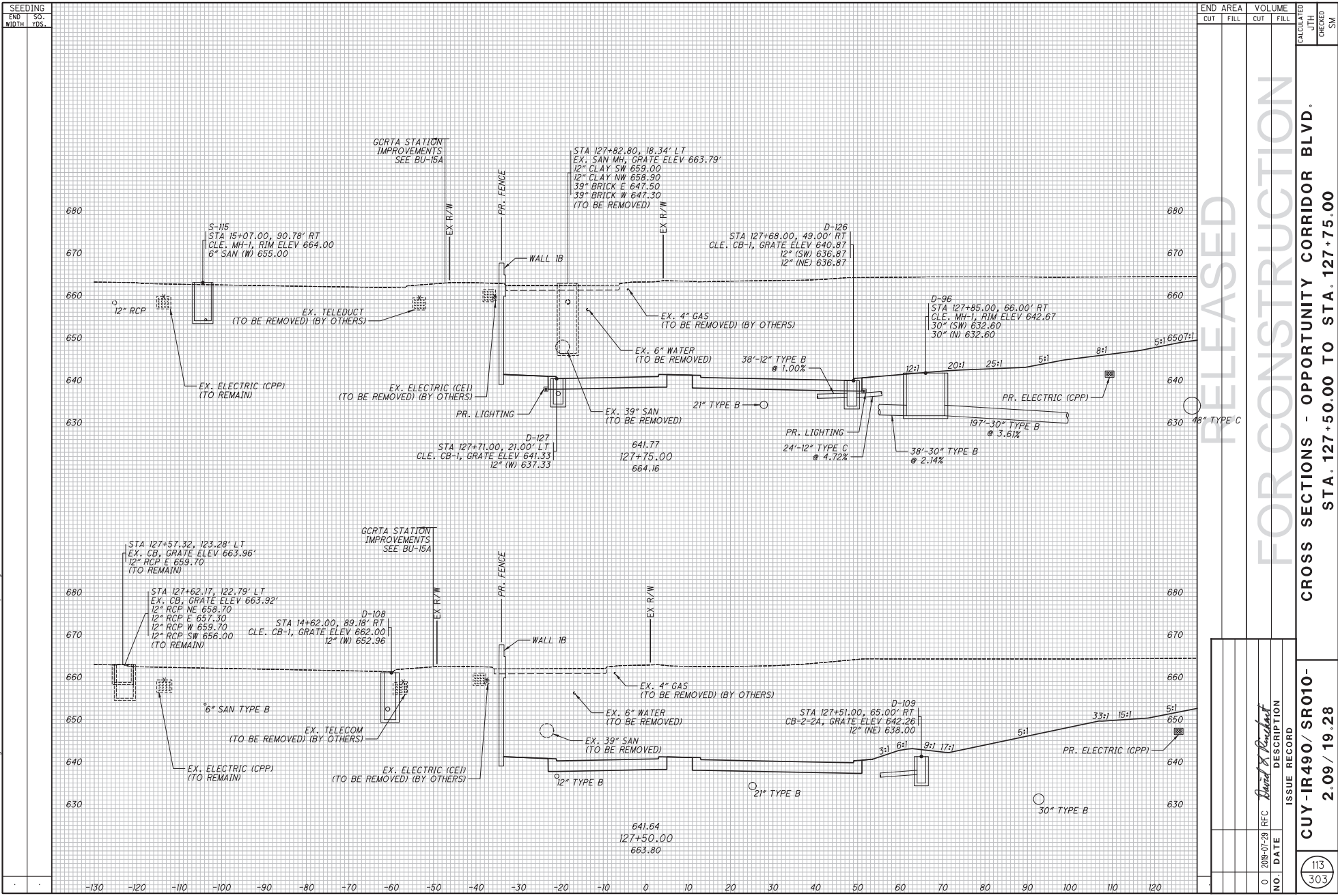
RELEASED FOR CONSTRUCTION

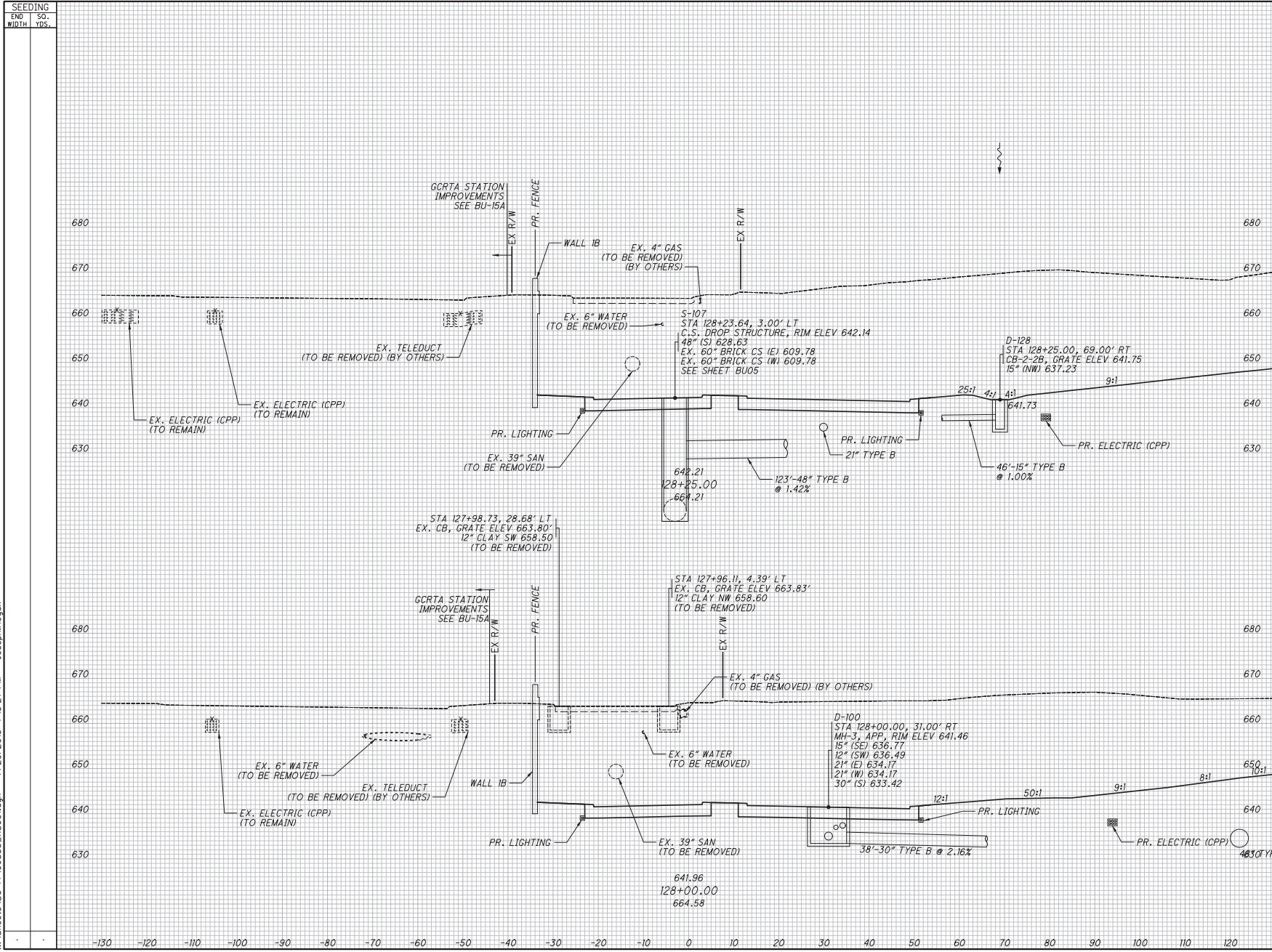
**CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
 STA. 126+00.00 TO STA. 126+25.00**

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





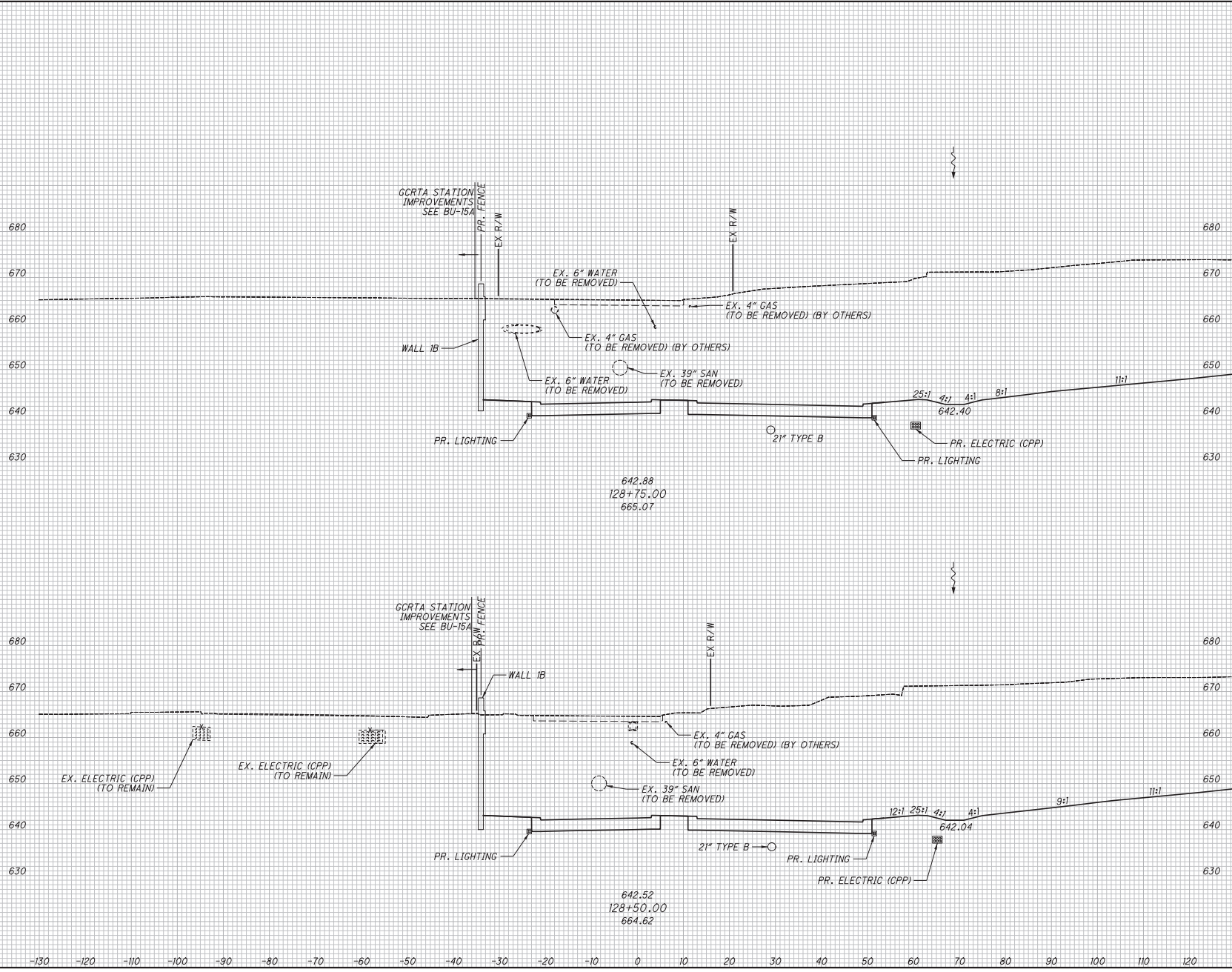




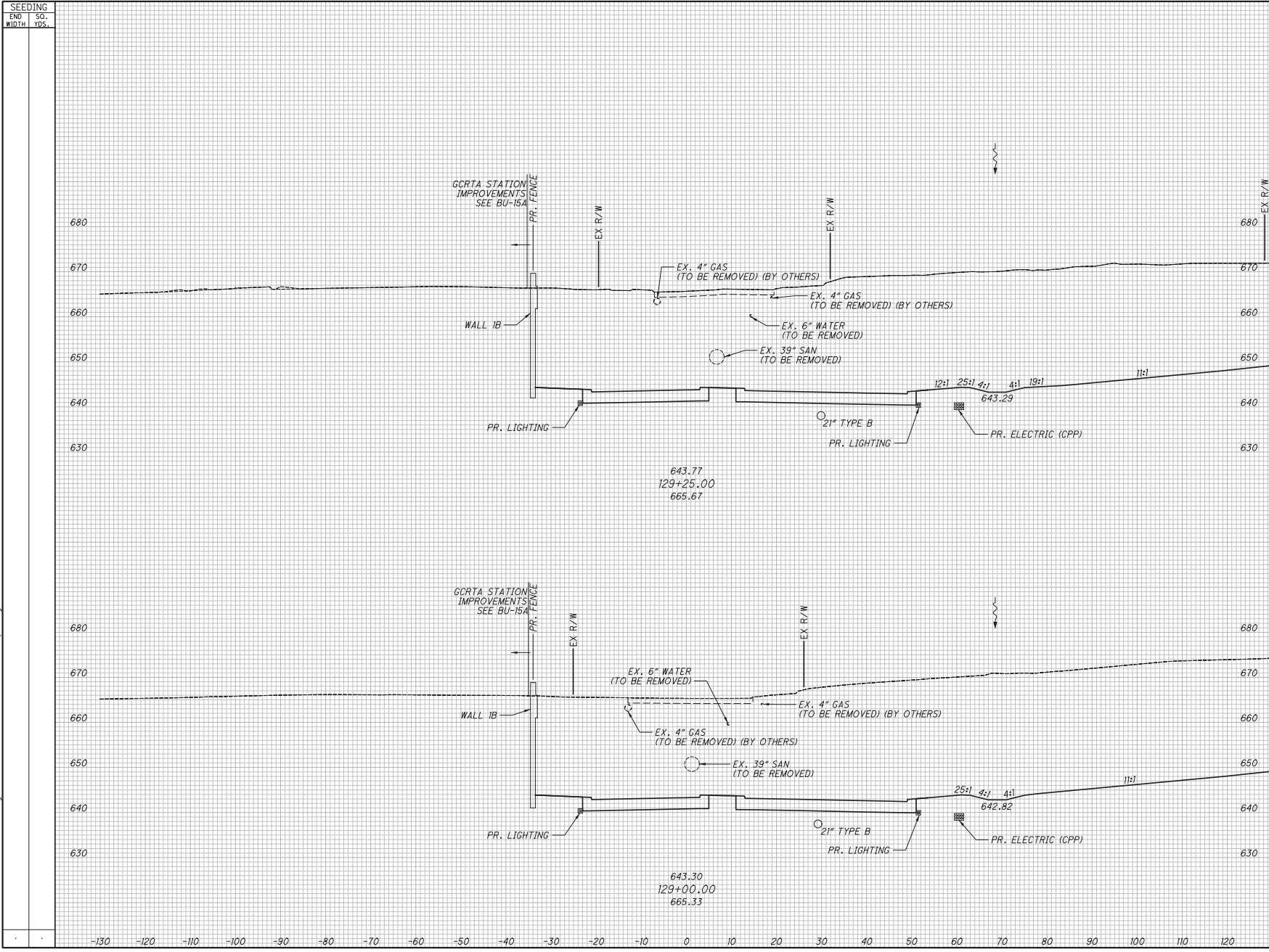
SEEDING		END AREA		VOLUME		CALCULATED		CHECKED	
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	JTH	SM	JTH	SM

NO. DATE		ISSUE RECORD
0	2019-07-29	RFI
DESCRIPTION		FOR CONSTRUCTION
DRAWN BY		David R. Penick
PROJECT		CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
SECTION		STA. 128+00.00 TO STA. 128+25.00
DATE		2.09 / 19.28
SCALE		114
SHEET NO.		303

SEEDING
END WIDTH
SO. YDS.



END AREA		VOLUME		CALCULATED		CHECKED	
CUT	FILL	CUT	FILL	JTH	SM		
<p style="font-size: 2em; opacity: 0.5;">RELEASED</p> <p style="font-size: 3em; font-weight: bold;">FOR CONSTRUCTION</p> <p style="font-weight: bold;">CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD. STA. 128+50.00 TO STA. 128+75.00</p>							
NO. DATE		DESCRIPTION		ISSUE RECORD		<p style="font-weight: bold;">CUY-IR490 / SR010- 2.09 / 19.28</p>	
0	2019-07-29	RF	David R. Penhatch				
115		303					



SEEDING		END AREA		VOLUME		CALCULATED		CHECKED	
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	JTH	SM	JTH	SM

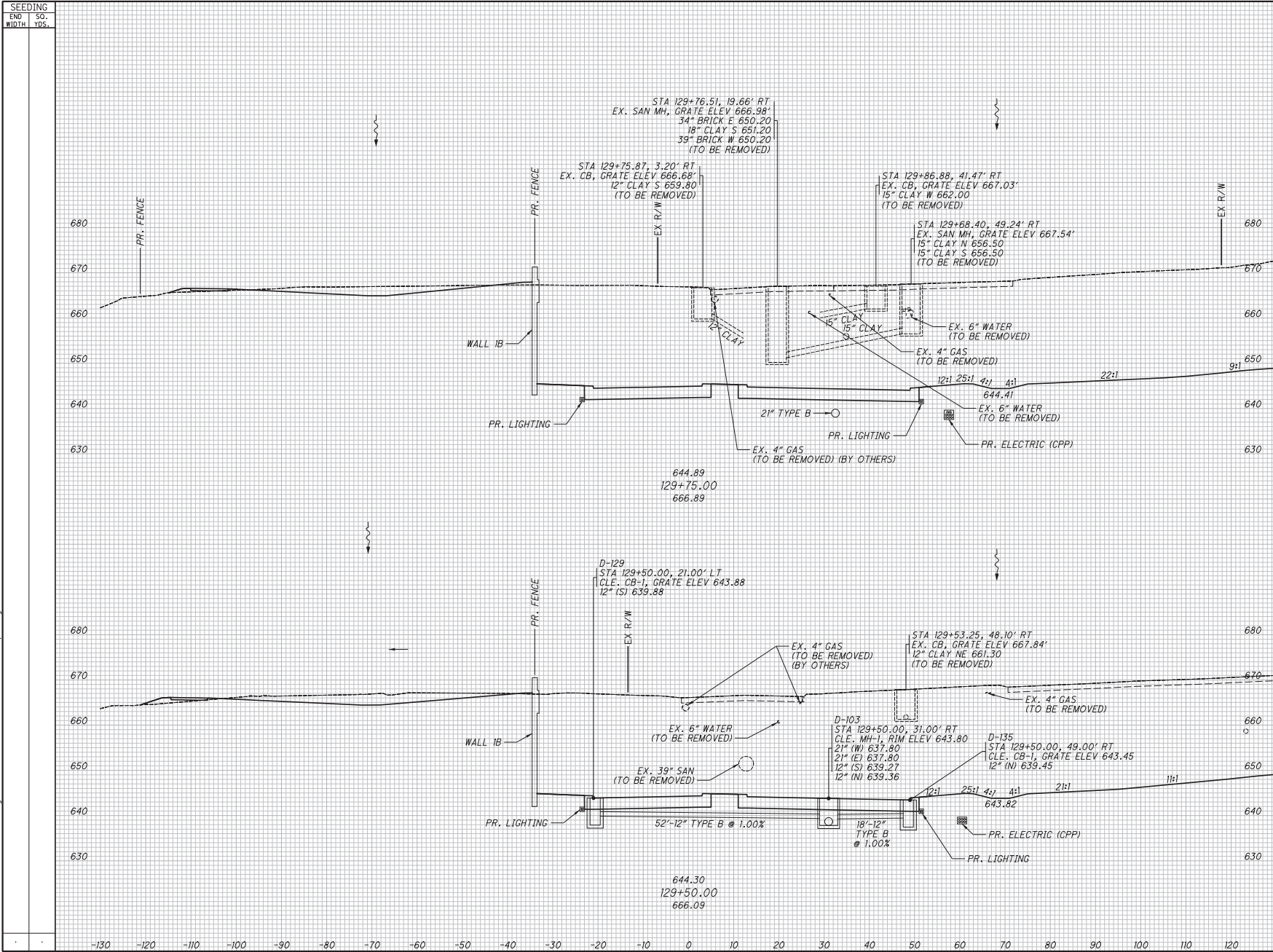
NO. DATE 0 2019-07-29		RFC David R. Penhatch	DESCRIPTION ISSUE RECORD
		DATE 2.09 / 19.28	

116 303	
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RELEASED

FOR CONSTRUCTION

CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
 STA. 129+00.00 TO STA. 129+25.00



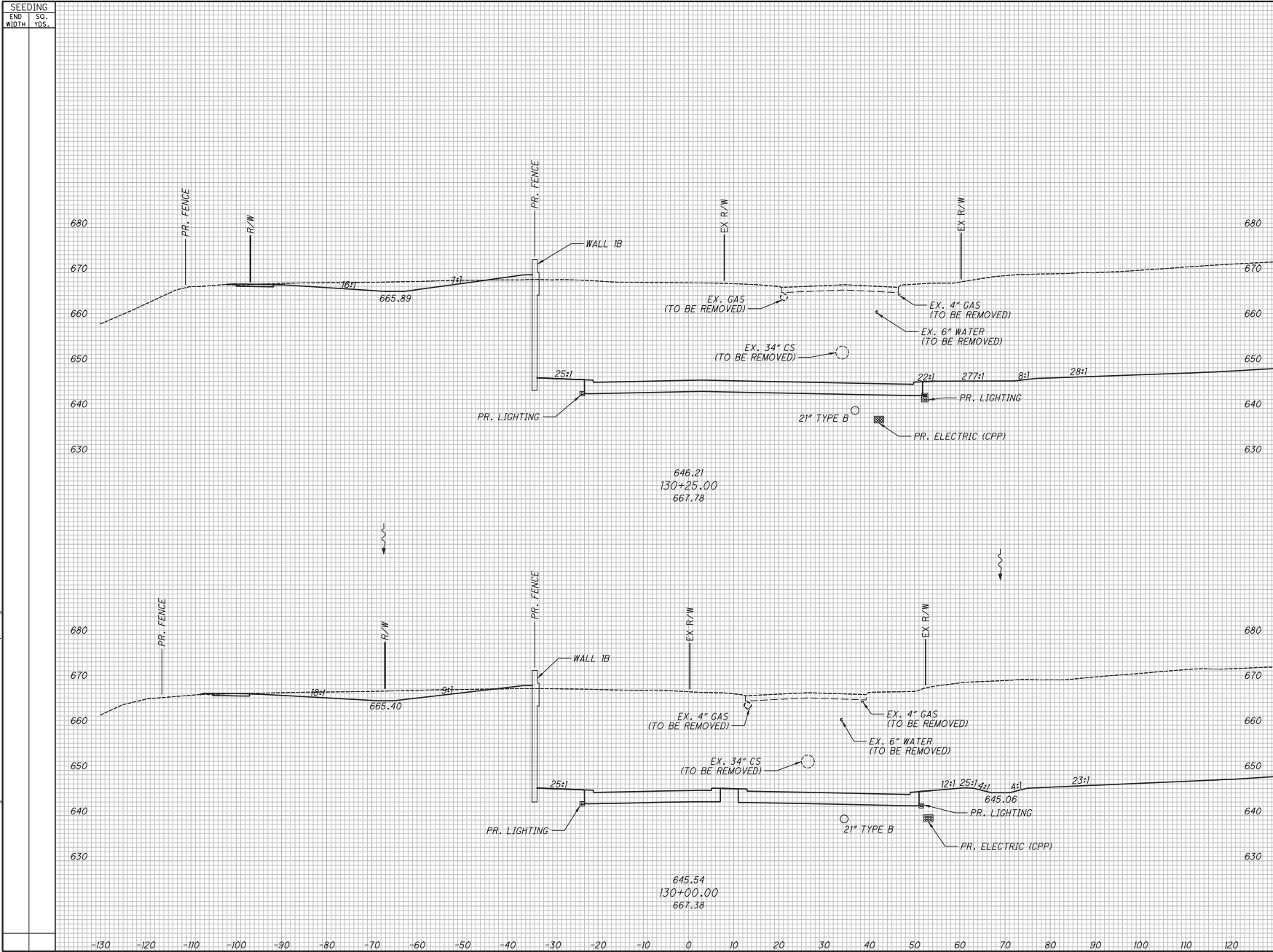
SEEDING		END AREA		VOLUME		CALCULATED		CHECKED	
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	JTH	SM	JTH	SM

NO.	DATE	ISSUE RECORD
0	2019-07-29	RFI Drew R. Penhatch

DESCRIPTION	
CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD. STA. 129+50.00 TO STA. 129+75.00	
2.09 / 19.28	

117
303

RELEASED
 FOR CONSTRUCTION
 CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
 STA. 129+50.00 TO STA. 129+75.00



NO.	DATE	DESCRPTION	ISSUE RECORD		CALCULATED JTH	CHECKED SM
			CUT	FILL		
0	2019-07-29	RFC David R. Penhatch				

END AREA		VOLUME	
CUT	FILL	CUT	FILL

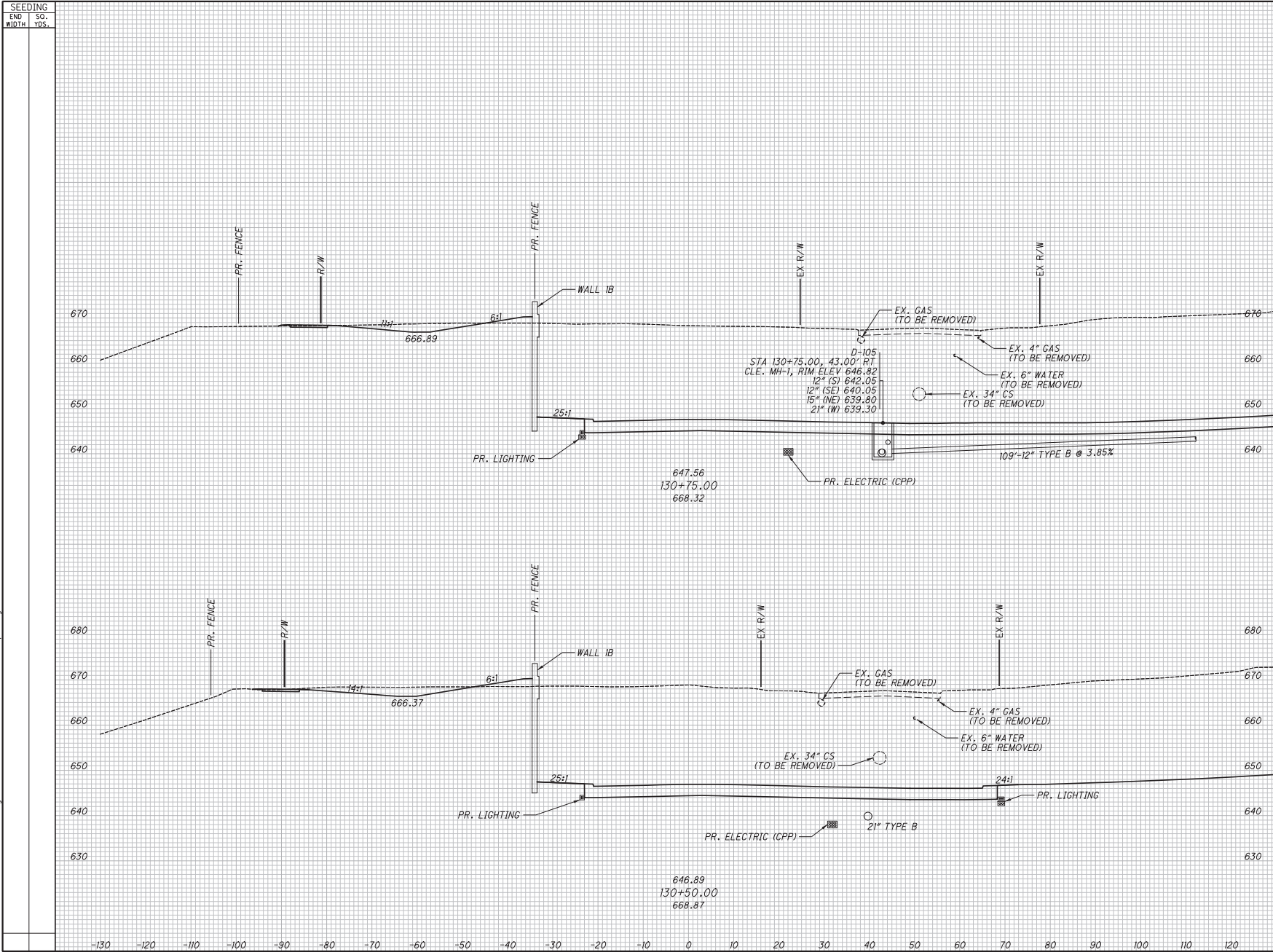
RELEASED

FOR CONSTRUCTION

CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
 STA. 130+00.00 TO STA. 130+25.00

CUY-IR490 / SR010-
 2.09 / 19.28

118
303



SEEDING		END AREA		VOLUME		CALCULATED		CHECKED	
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	JTH	SM	JTH	SM

NO.		DATE	DESCRIPTION
0	2019-07-29	RFC	David R. Penhatch
ISSUE RECORD			
119		2.09 / 19.28	
303			

RELEASED

FOR CONSTRUCTION

CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
 STA. 130+50.00 TO STA. 130+75.00

SEEDING	SO.
END WIDTH	YDS.

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

RELEASED FOR CONSTRUCTION

CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
 STA. 131+00.00 TO STA. 131+25.00

CUY-IR490/SR010-
 2.09 / 19.28

120
303

NO. DATE
 0 2019-07-29 RFC
 David R. Penchuck

DESCRIPTION
 ISSUE RECORD

ISSUE RECORD

ISSUE RECORD

ISSUE RECORD

ISSUE RECORD

ISSUE RECORD

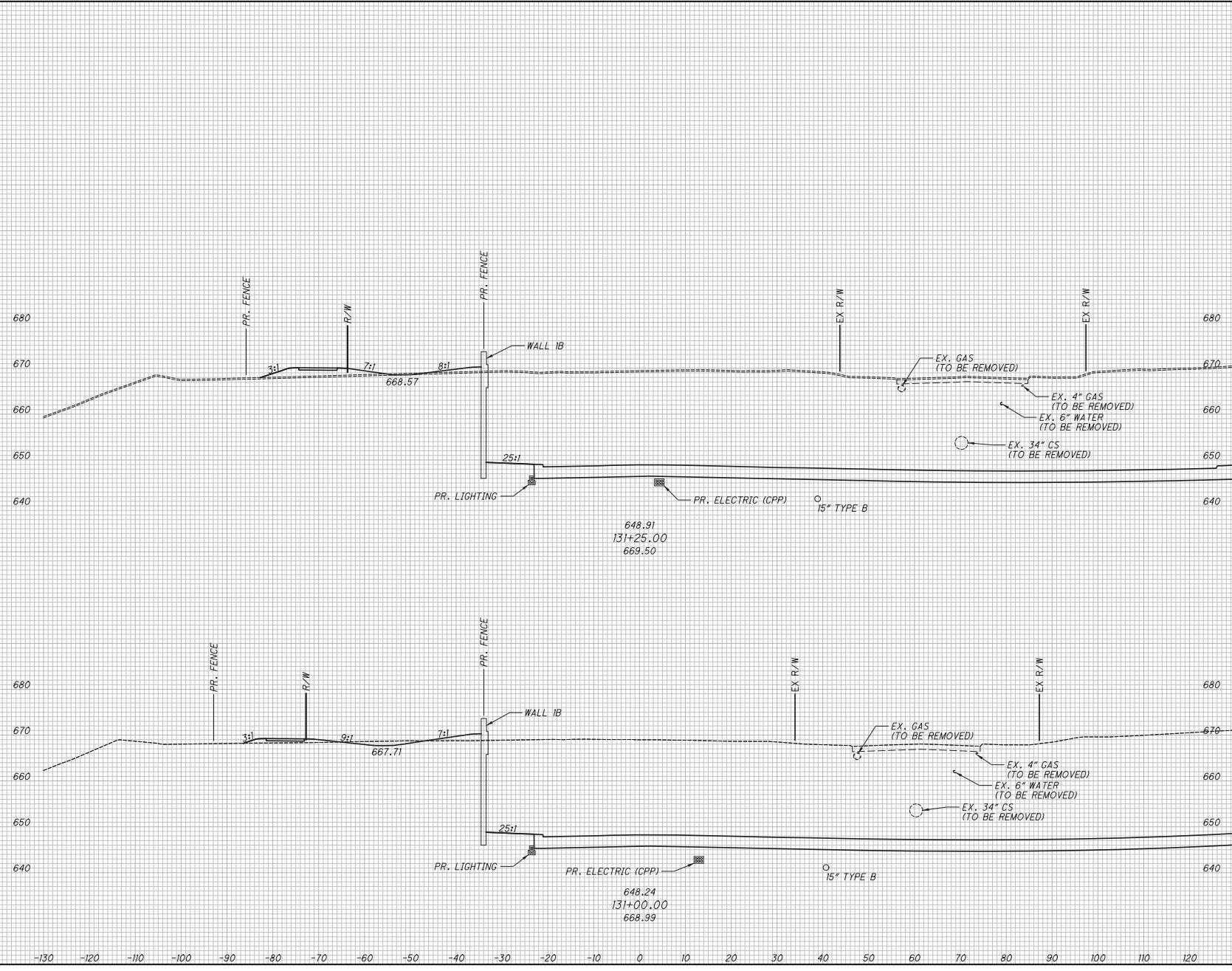
ISSUE RECORD

ISSUE RECORD

ISSUE RECORD

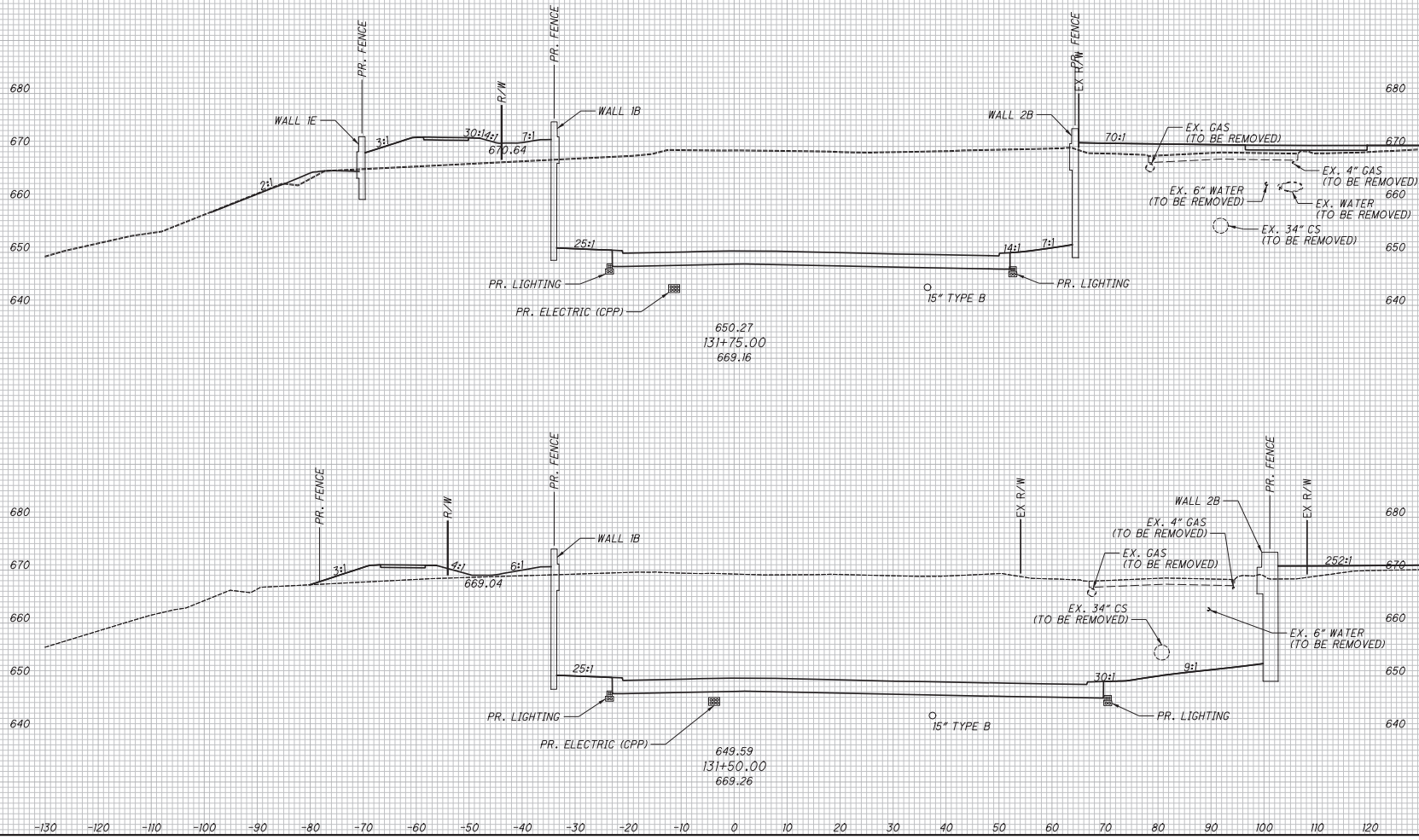
ISSUE RECORD

ISSUE RECORD



SEEDING
END WIDTH
SO. YDS.

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM

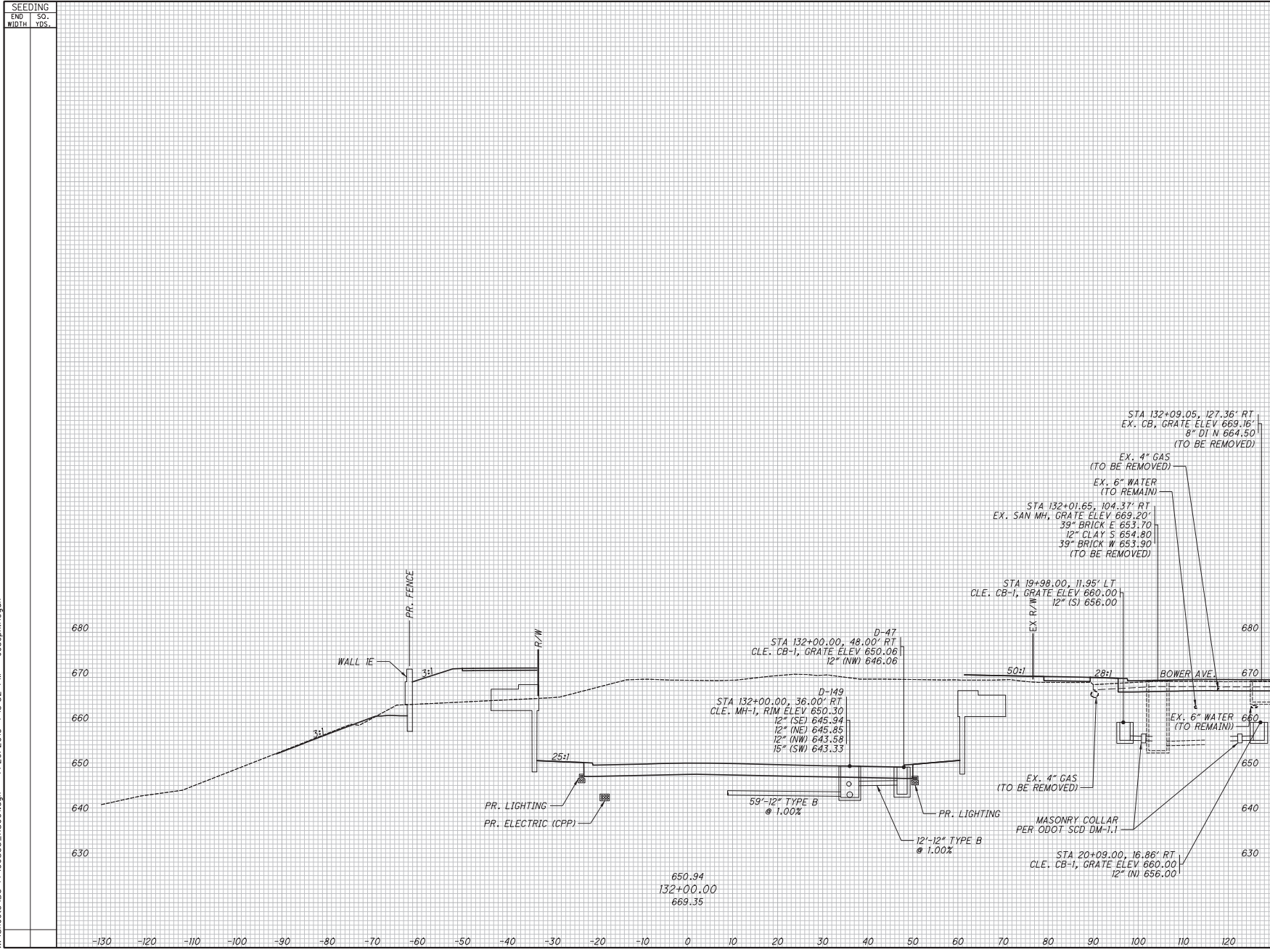


RELEASED
 FOR CONSTRUCTION
 CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
 STA. 131+50.00 TO STA. 131+75.00

0	2019-07-29	RF	David R. Penhax	ISSUE RECORD
NO.	DATE	DESC	BY	DESCRIPTION

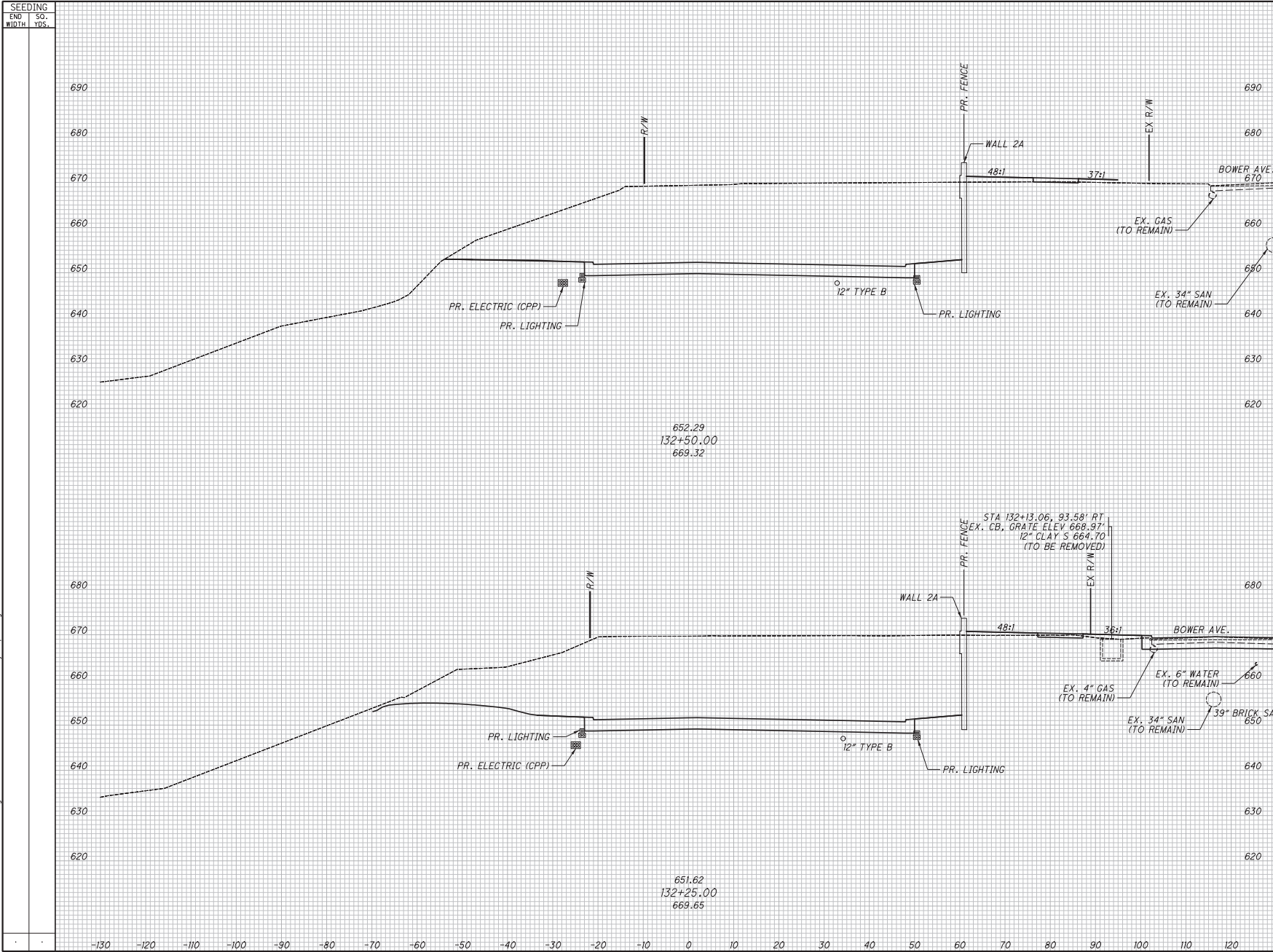
CUY-IR490/SR010-
 2.09 / 19.28

121
 303



SEEDING		END AREA		VOLUME		CALCULATED		CHECKED	
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	JTH	SM	JTH	SM

RELEASED		
FOR CONSTRUCTION		
CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD. STA. 132+00.00		
NO.	DATE	DESCRIPTION
0	2019-07-29	ISSUE RECORD
<i>David R. Penhatch</i> RFC DATE DESCRIPTION ISSUE RECORD		
CUY-IR490/SR010- 2.09 / 19.28		
122 303		

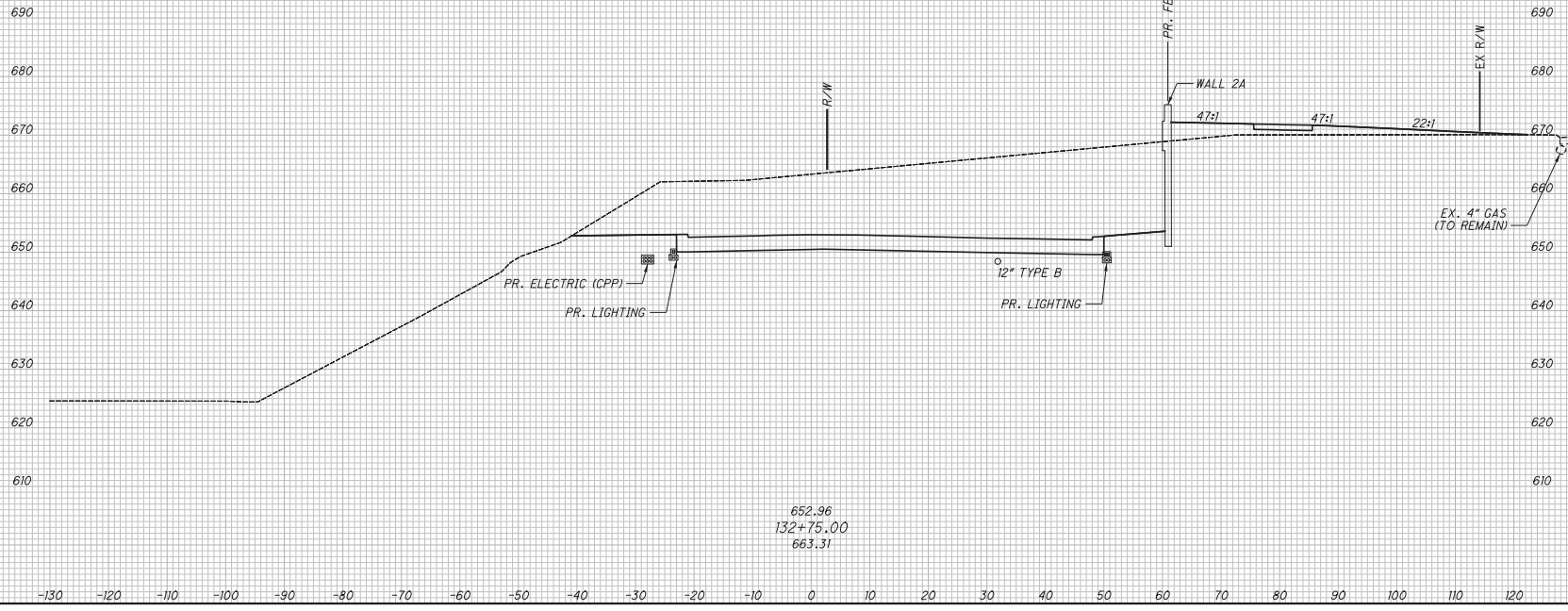


NO.	DATE	DESCRIPTION	END AREA		VOLUME		CALCULATED JTH	CHECKED SM
			CUT	FILL	CUT	FILL		
0	2009-07-29	RFI						
		David R. Penhatch						
		ISSUE RECORD						
CUY-IR490 / SR010- CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD. STA. 132+25.00 TO STA. 132+50.00								
2.09 / 19.28								
							123 303	

RELEASED
 FOR CONSTRUCTION

SEEDING	
END WIDTH	SO. YDS.

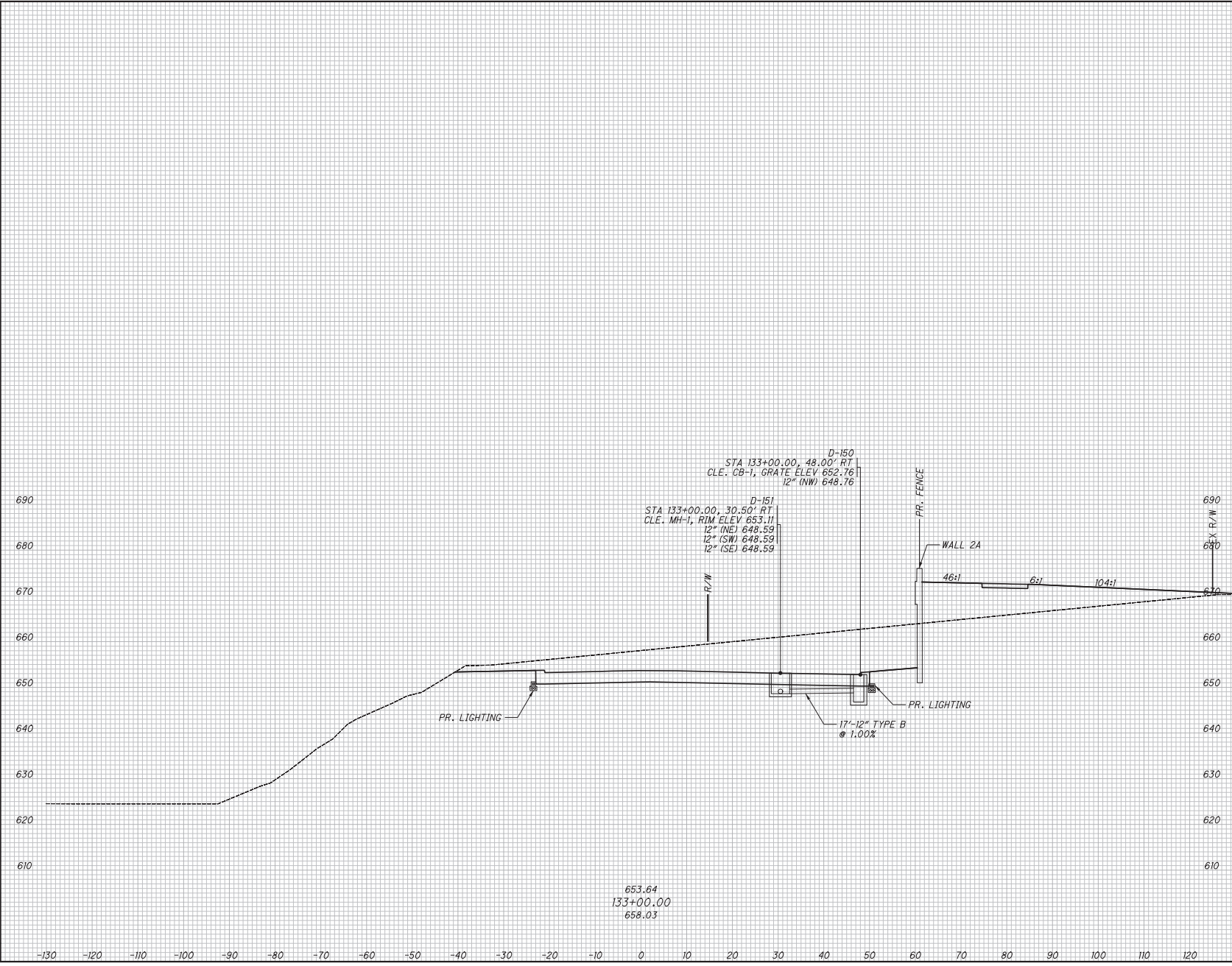
END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM



RELEASED
 FOR CONSTRUCTION
 CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
 STA. 132+75.00

NO.	DATE	DESCRIPTION
0	2019-07-29	ISSUE RECORD
<i>David R. Penhatch</i> ISSUE RECORD		
CUY-IR490/SR010- 2.09 / 19.28		
124 303		

SEEDING	
END WIDTH	SO. YDS.

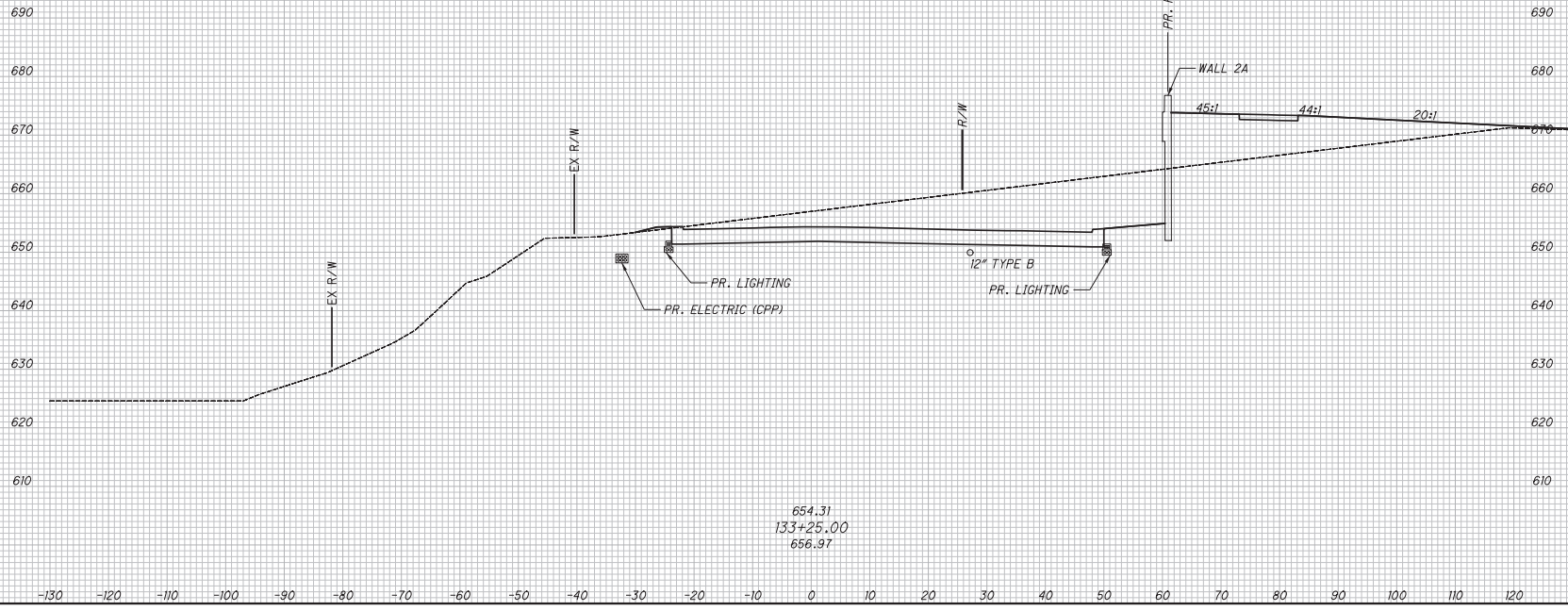


653.64
 133+00.00
 658.03

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM
RELEASED					
FOR CONSTRUCTION					
CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.					
STA. 133+00.00					
NO. DATE		DESCRIPTION		ISSUE RECORD	
0	2019-07-29	RF	David R. Penhatch		
CUY-IR490 / SR010-		2.09 / 19.28		125 / 303	

SEEDING	
END WIDTH	SO. YDS.

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM



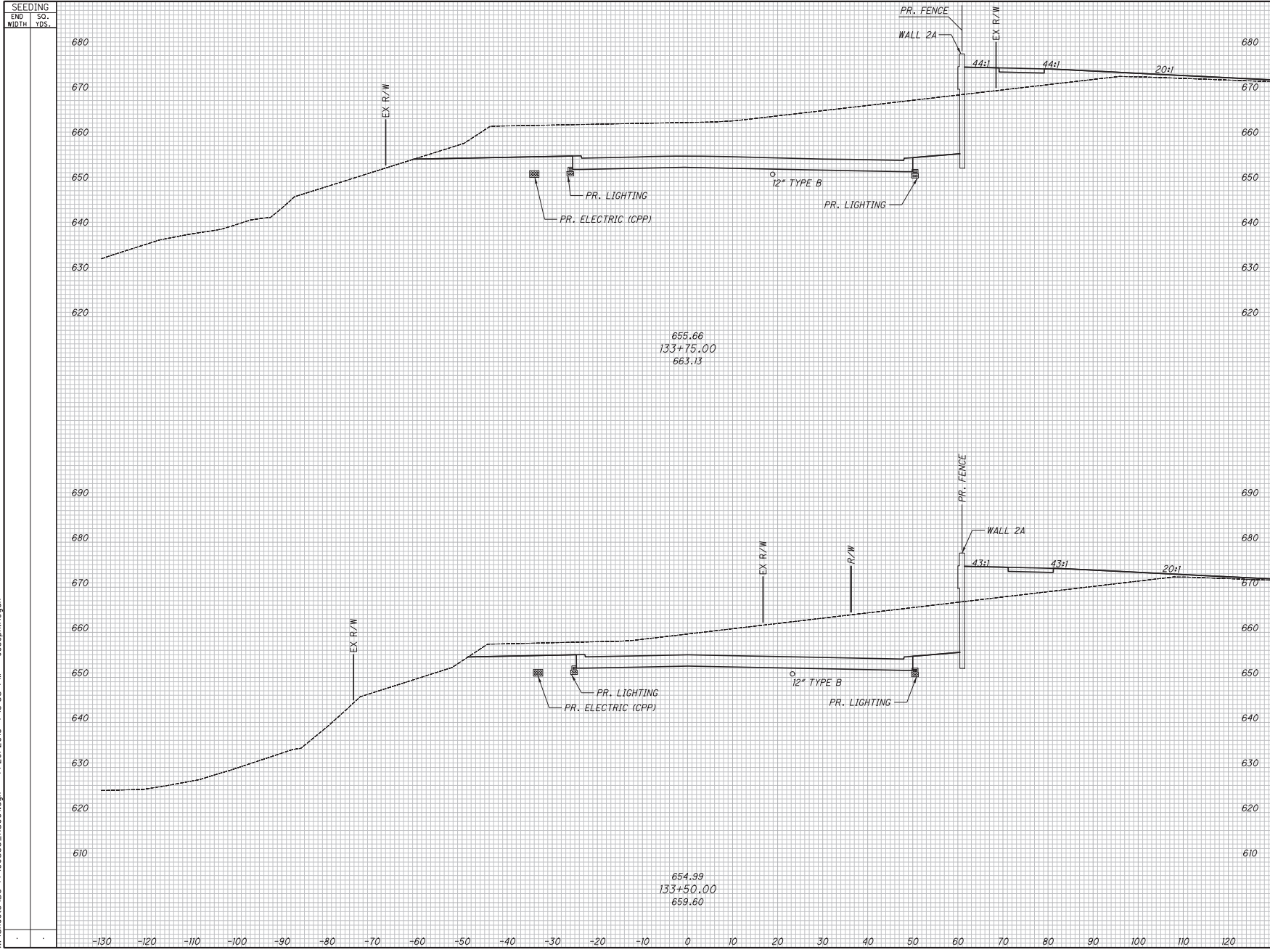
654.31
 133+25.00
 656.97

RELEASED
 FOR CONSTRUCTION
 CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
 STA. 133+25.00

NO. DATE
 0 2019-07-29
 DESCRIPTION
 David R. Penhatch
 ISSUE RECORD

CUY-IR490 / SR010-
 2.09 / 19.28

126
 303



NO.	DATE	DESCRIPTION	VOLUME		CALCULATED		CHECKED	SM
			CUT	FILL	JTH	SM		
0	2019-07-29	RFI David R. Penhatch						
ISSUE RECORD								
CUY-IR490/SR010- 2.09 / 19.28								
CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD. STA. 133+50.00 TO STA. 133+75.00								
RELEASED FOR CONSTRUCTION								

127
303

SEEDING	SO.
END	YDS.
WIDTH	

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

RELEASED FOR CONSTRUCTION

CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
 STA. 134+00.00 TO STA. 134+25.00

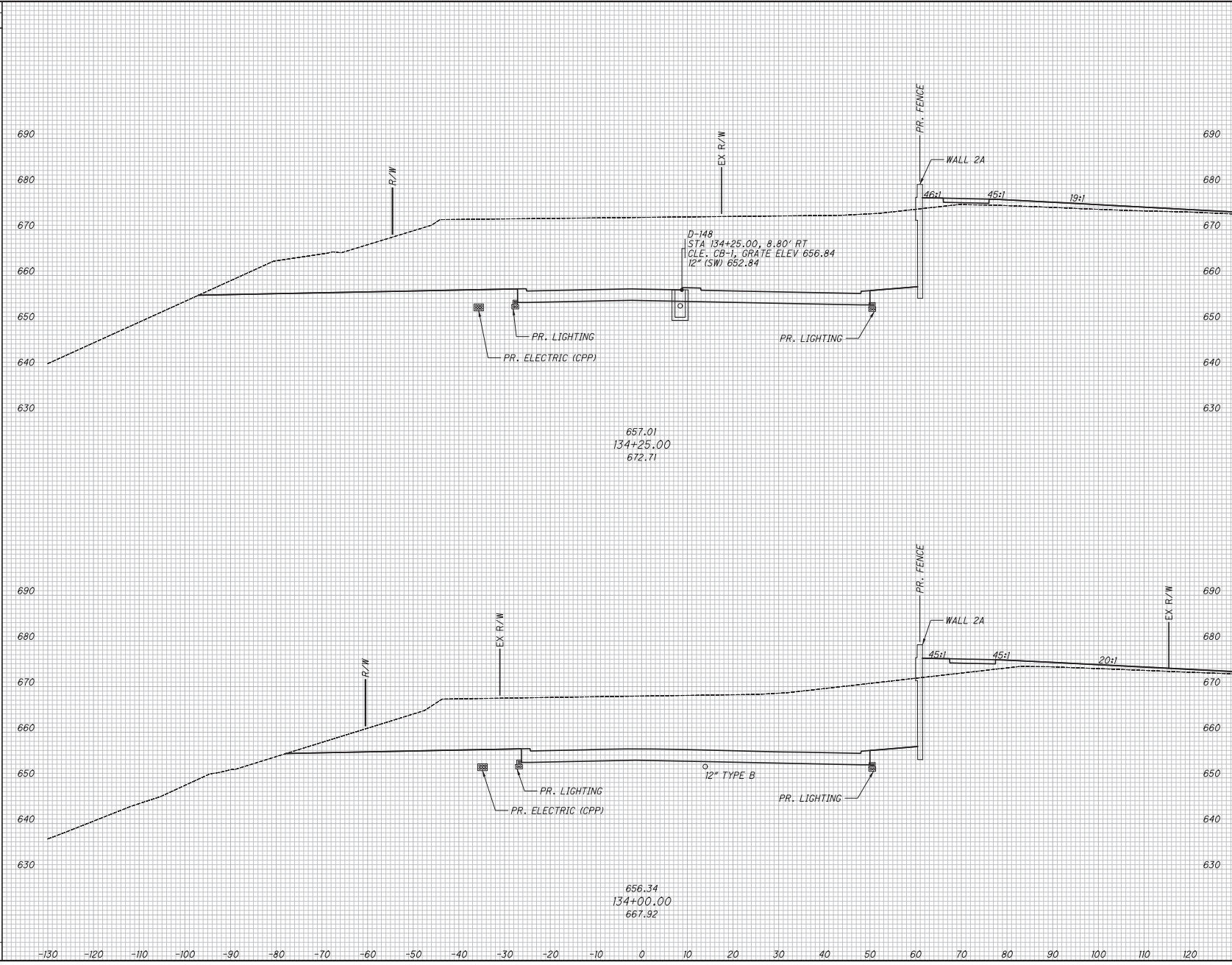
CUY-IR490/SR010-
 2.09 / 19.28

128
303

ISSUE RECORD

NO. DATE DESCRIPTION

0 2019-07-29 RFC David R. Penhatch



657.01
 134+25.00
 672.71

656.34
 134+00.00
 667.92

D-148
 STA 134+25.00, 8.80' RT
 CLE. CB-1, GRATE ELEV 656.84
 12" (SW) 652.84

12" TYPE B

SEEDING	
END WIDTH	SO. YDS.

END AREA		VOLUME		CALCULATED		CHECKED	
CUT	FILL	CUT	FILL	JTH	SM		

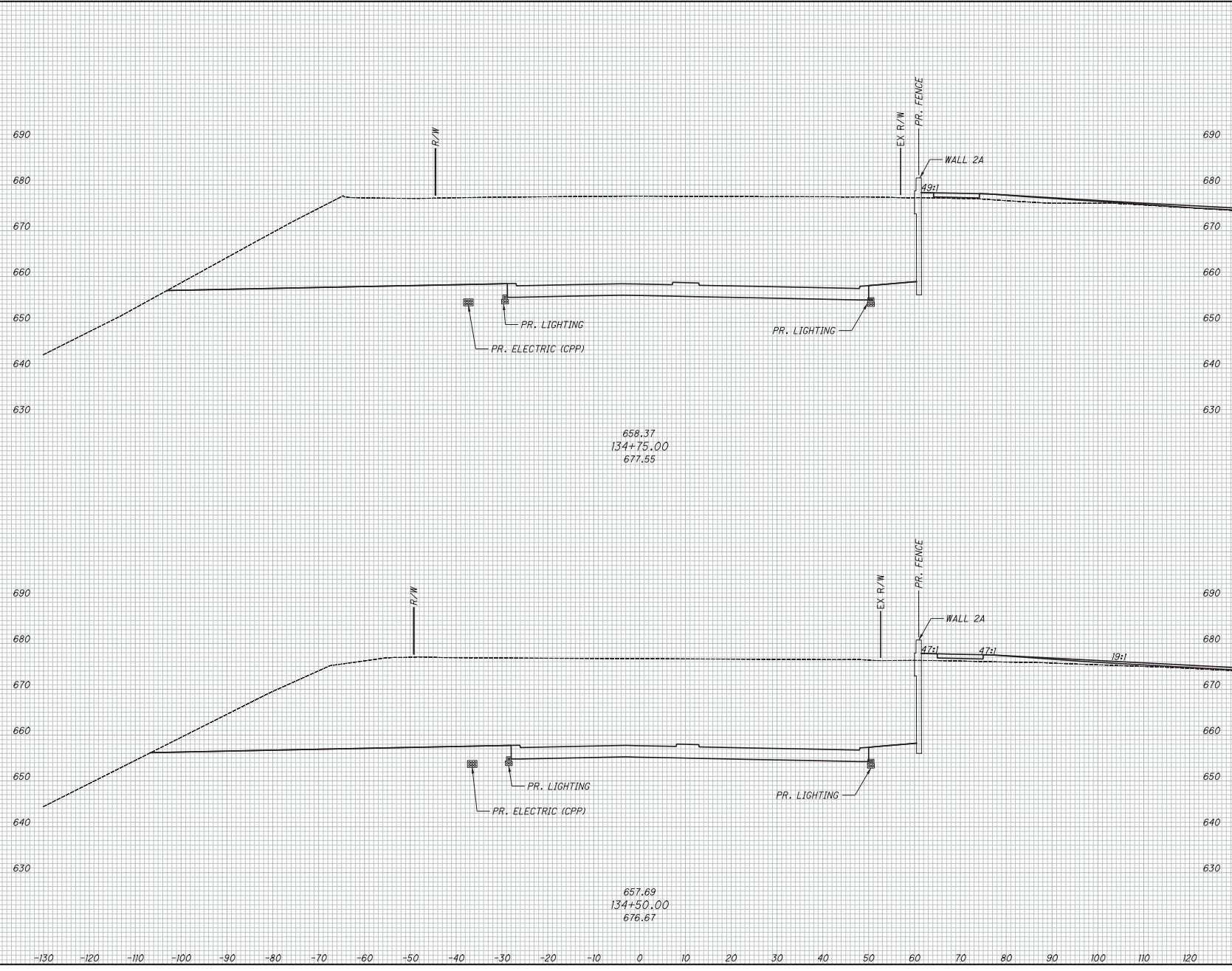
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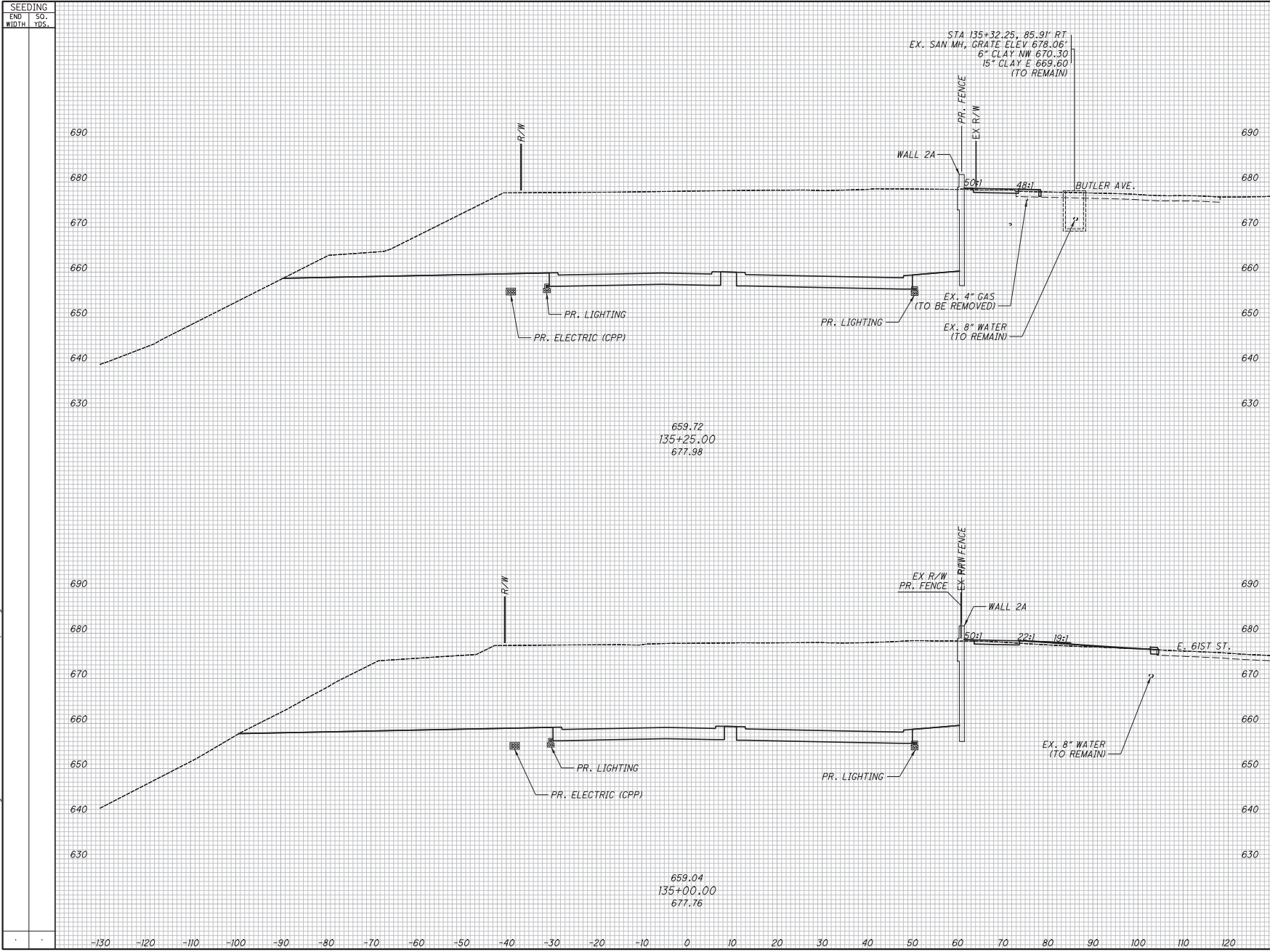
CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
 STA. 134+50.00 TO STA. 134+75.00

CUY-IR490/SR010-
 2.09 / 19.28

129
 303

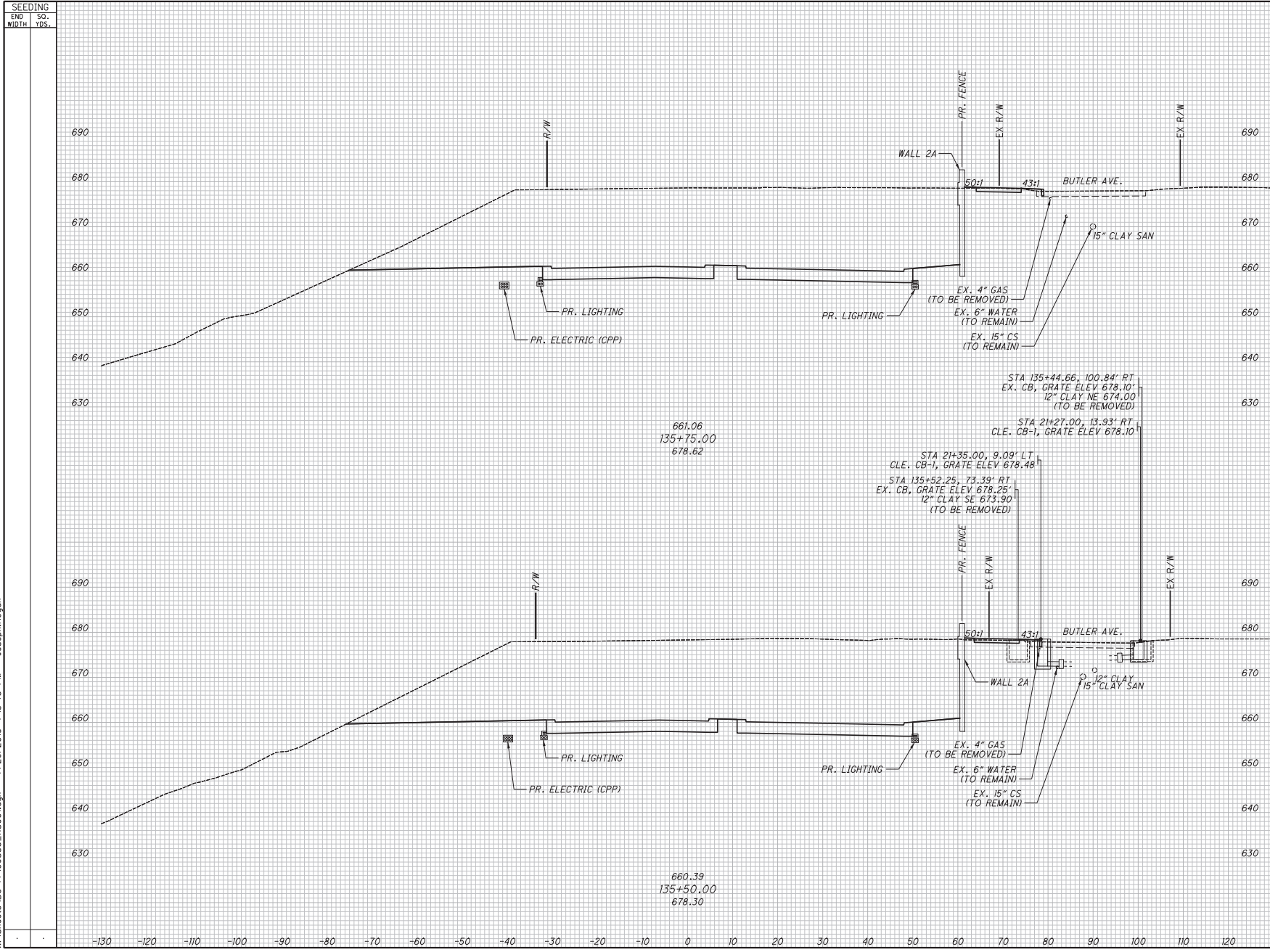
NO. DATE
 0 2019-07-29
 DESCRIPTION
 David R. Penhatch
 ISSUE RECORD





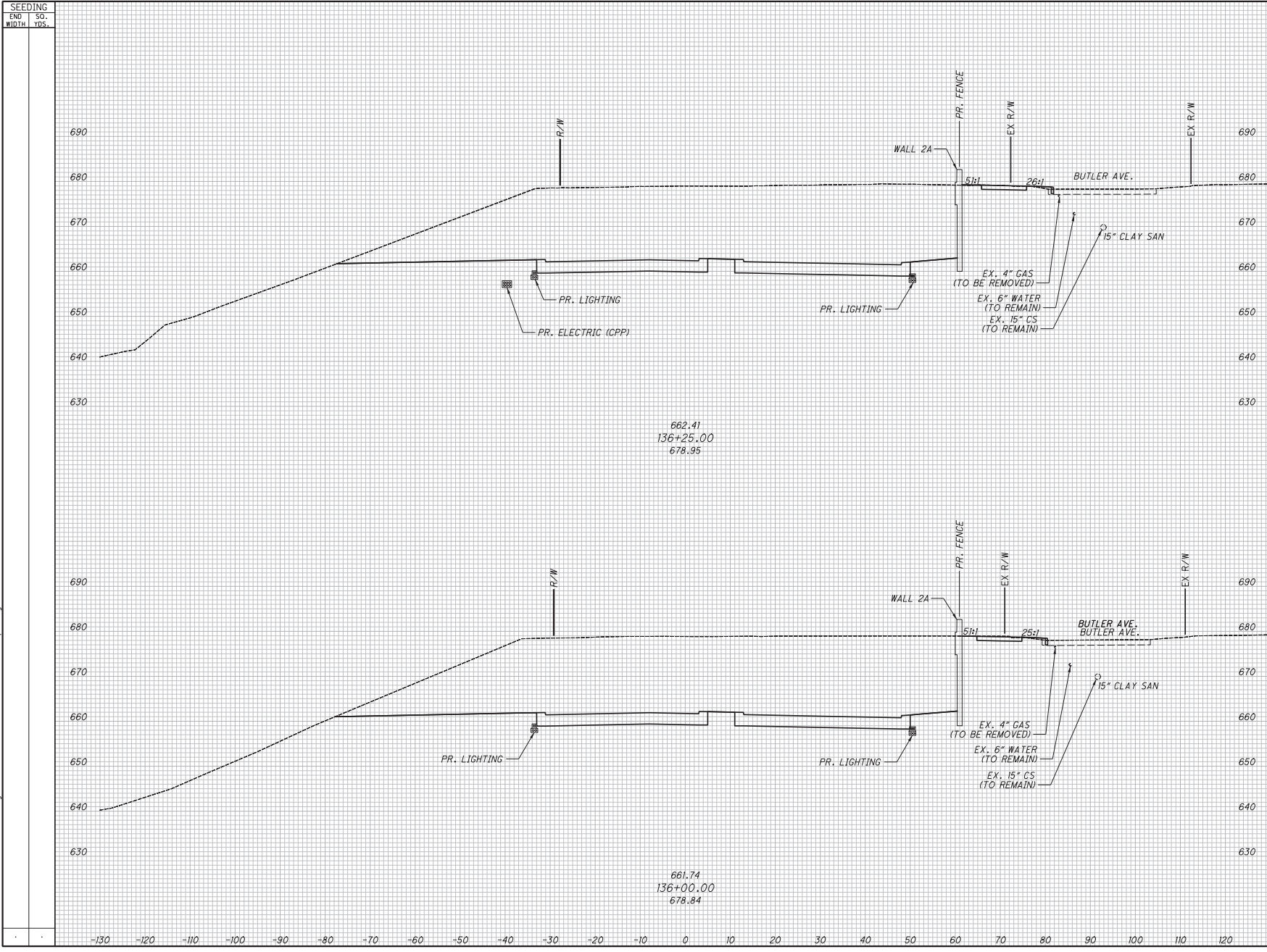
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			CUT	FILL	CUT	FILL		
0	2019-07-29	RF						
ISSUE RECORD <i>David R. Penhax</i>								
CUY-IR490/SR010- CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD. STA. 135+00.00 TO STA. 135+25.00								
2.09 / 19.28								
130 303								

RELEASED
 FOR CONSTRUCTION



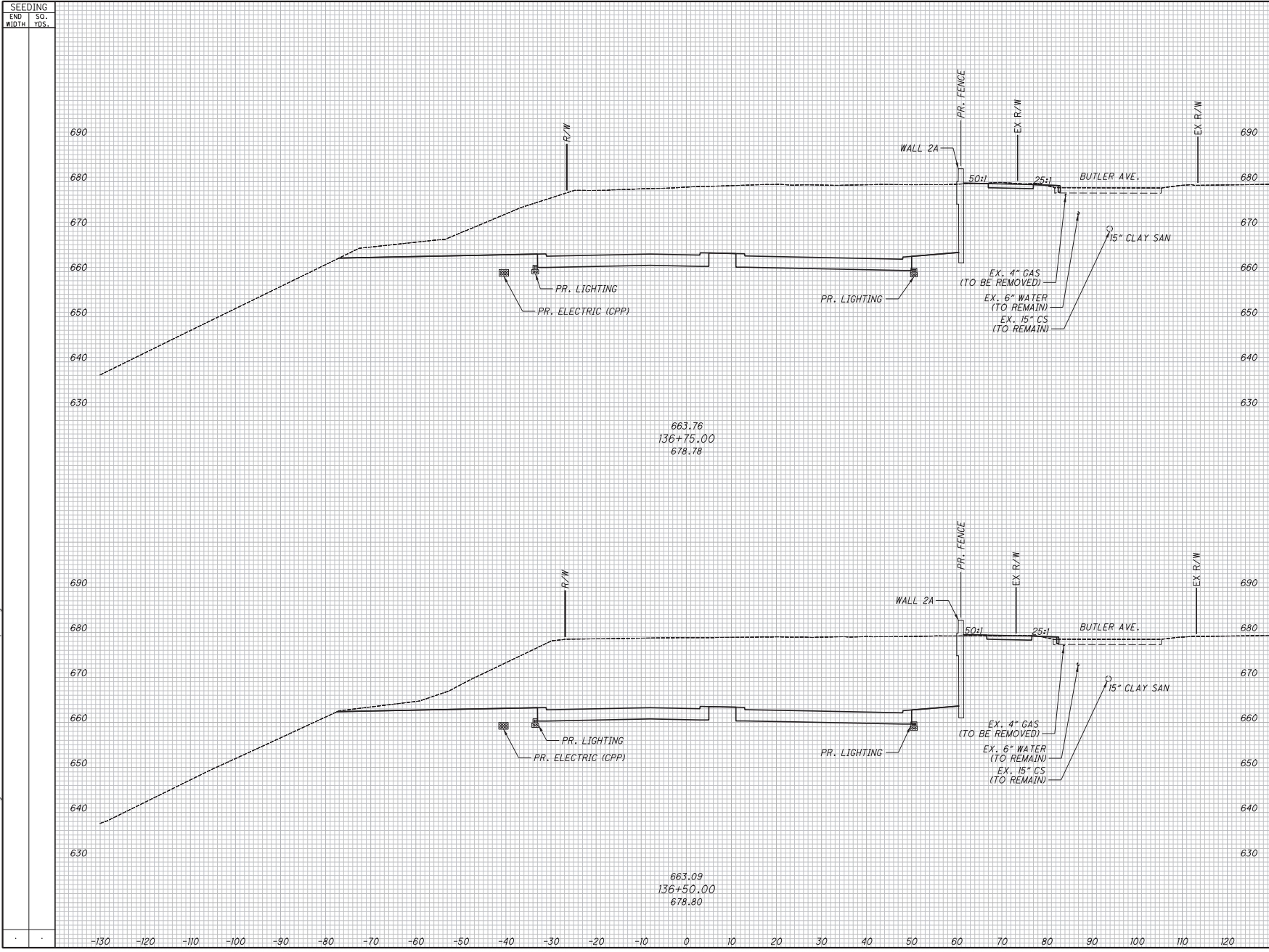
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				CUT	FILL	JTH	SM	JTH	SM
0	2019-07-29	131	Issue Record						
David R. Penhatch ISSUE RECORD									
CUY-IR490/SR010- CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD. STA. 135+50.00 TO STA. 135+75.00									
2.09 / 19.28									

RELEASED
 FOR CONSTRUCTION
 CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
 STA. 135+50.00 TO STA. 135+75.00

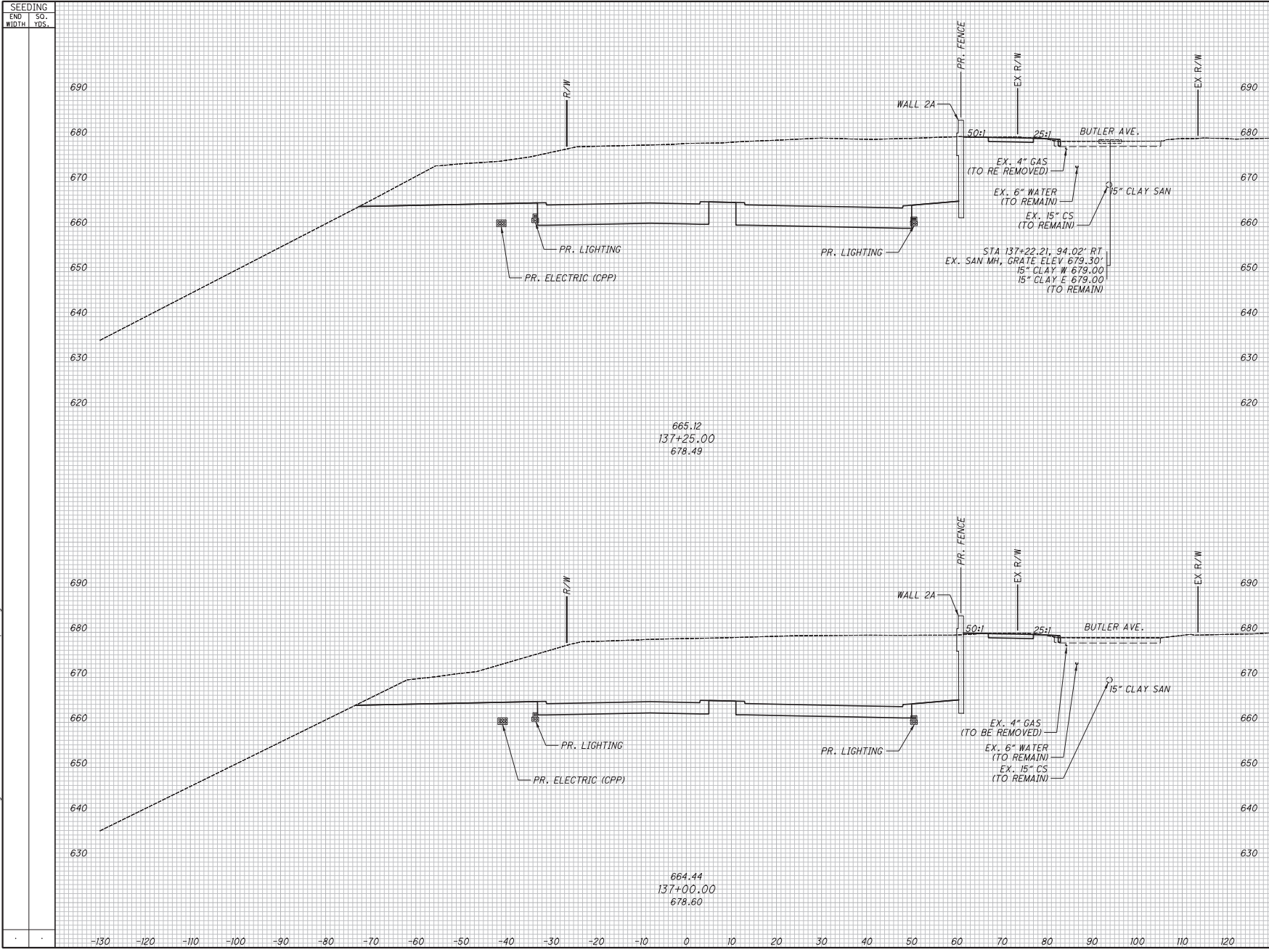


NO.	DATE	DESCRIPTION	VOLUME		CHECKED	SM
			CUT	FILL		
0	2019-07-29	RFI				
		David R. Penhatch				
		ISSUE RECORD				
CUY-IR490/SR010- CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD. STA. 136+00.00 TO STA. 136+25.00					132	303
					2.09 / 19.28	

RELEASED
 FOR CONSTRUCTION



NO.	DATE	ISSUE RECORD	DESCRIPTION	VOLUME		CALCULATED		CHECKED	
				CUT	FILL	JTH	SM	CUT	FILL
0	2019-07-29	RF	David R. Penhatch						
FOR CONSTRUCTION				CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD. STA. 136+50.00 TO STA. 136+75.00					
CUY-IR490/SR010- 2.09 / 19.28				135 303					

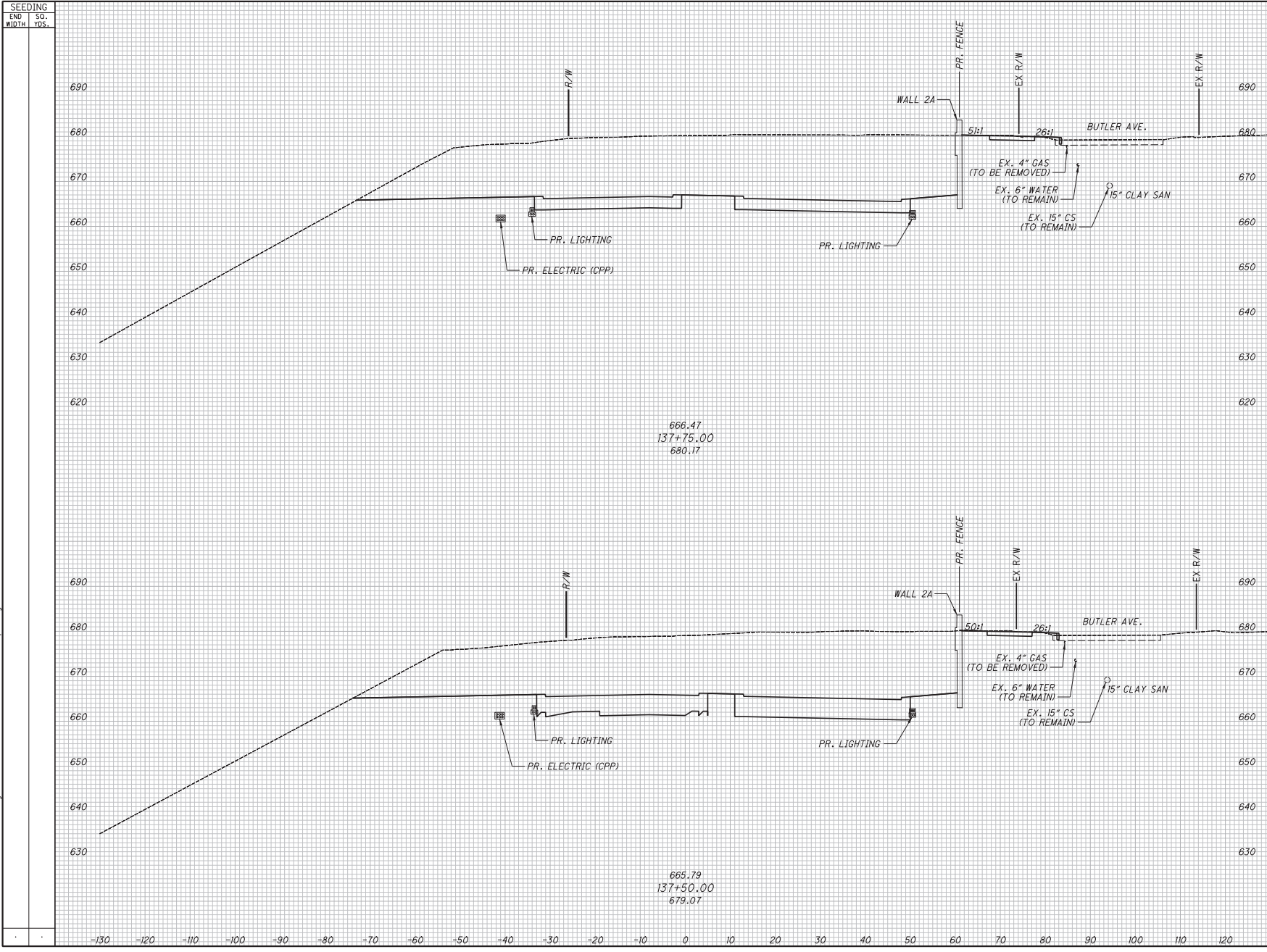


SEEDING		END AREA		VOLUME		CALCULATED		CHECKED	
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	JTH	SM	JTH	SM

NO.		DATE	ISSUE RECORD
0	2019-07-29	RF	David R. Penhatch
DESCRIPTION		CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD. STA. 137+00.00 TO STA. 137+25.00	
DATE		2.09 / 19.28	

134
303

RELEASED
 FOR CONSTRUCTION

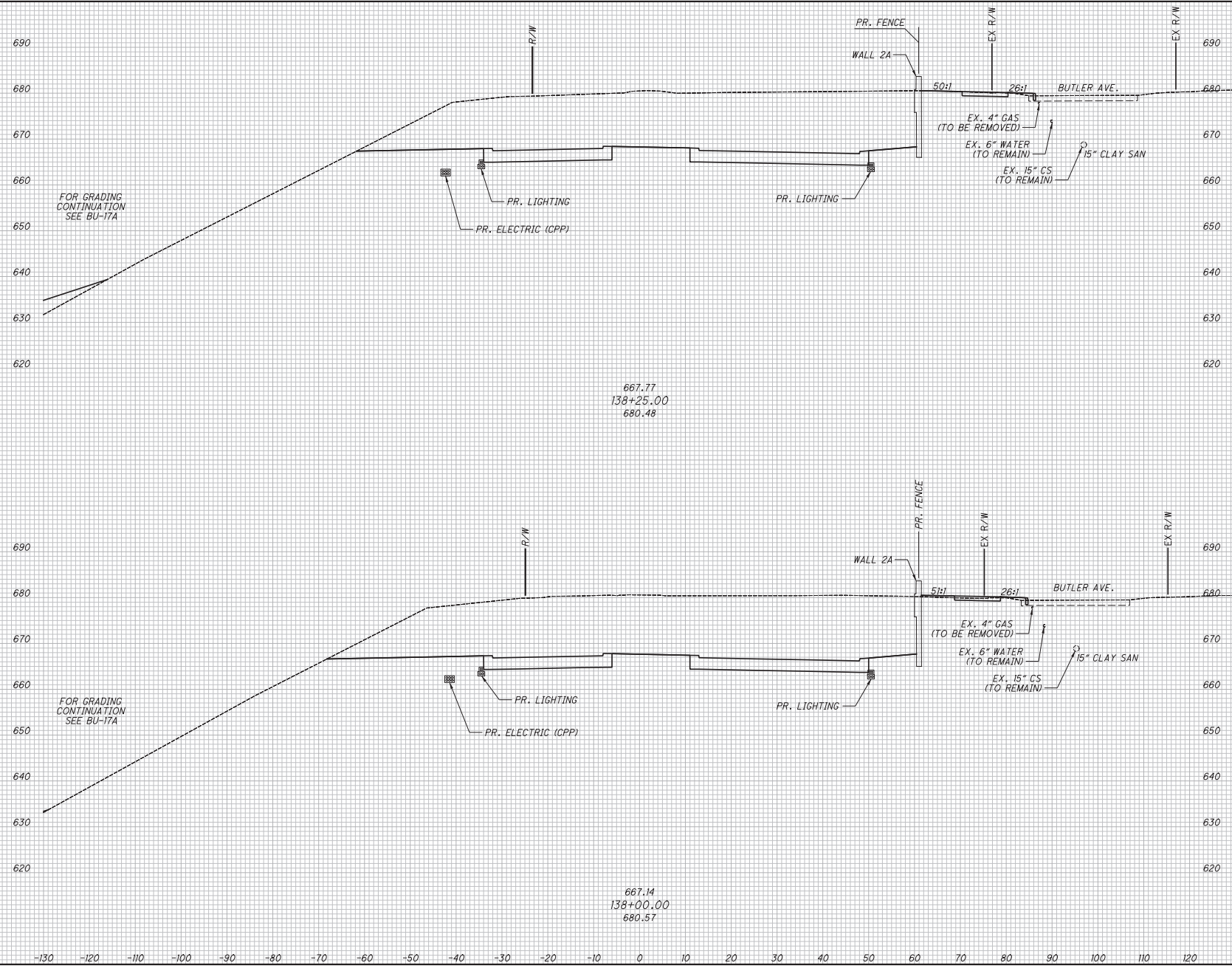


NO.	DATE	DESCRIPTION	VOLUME		CALCULATED JTH	CHECKED SM
			CUT	FILL		
0	2019-07-29	RFI David R. Penhatch				
ISSUE RECORD						
CUY-IR490 / SR010- 2.09 / 19.28						
135 303						

RELEASED
 FOR CONSTRUCTION
 CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
 STA. 137+50.00 TO STA. 137+75.00

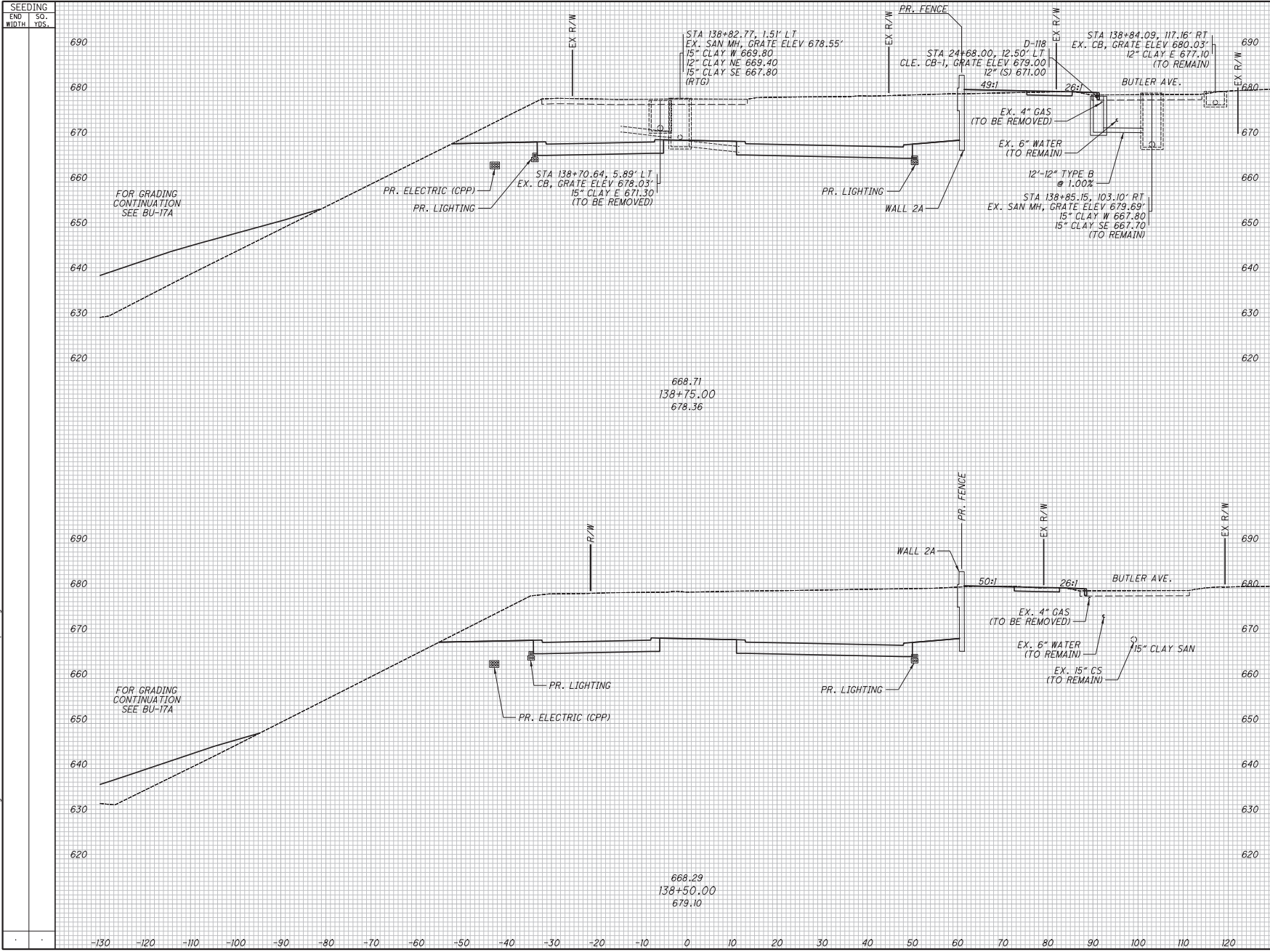
BU-14 - ROADWAY & PAVEMENT, BEGIN PROJECT TO KINGSBURY RUN
 ...Sheets\BU-14.196B33_X5001.dgn 7/26/2019 4:15:49 PM Joseph Hogan

SEEDING
 END SO. NO.
 WIDTH YDS.



NO.	DATE	DESCRIPTION	END AREA		VOLUME		CALCULATED JTH	CHECKED	SM
			CUT	FILL	CUT	FILL			
0	2009-07-29	RFC							
		David R. Penhock							
		ISSUE RECORD							
<p>RELEASED</p> <p>FOR CONSTRUCTION</p> <p>CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD. STA. 138+00.00 TO STA. 138+25.00</p> <p>CUY-IR490 / SR010- 2.09 / 19.28</p>									

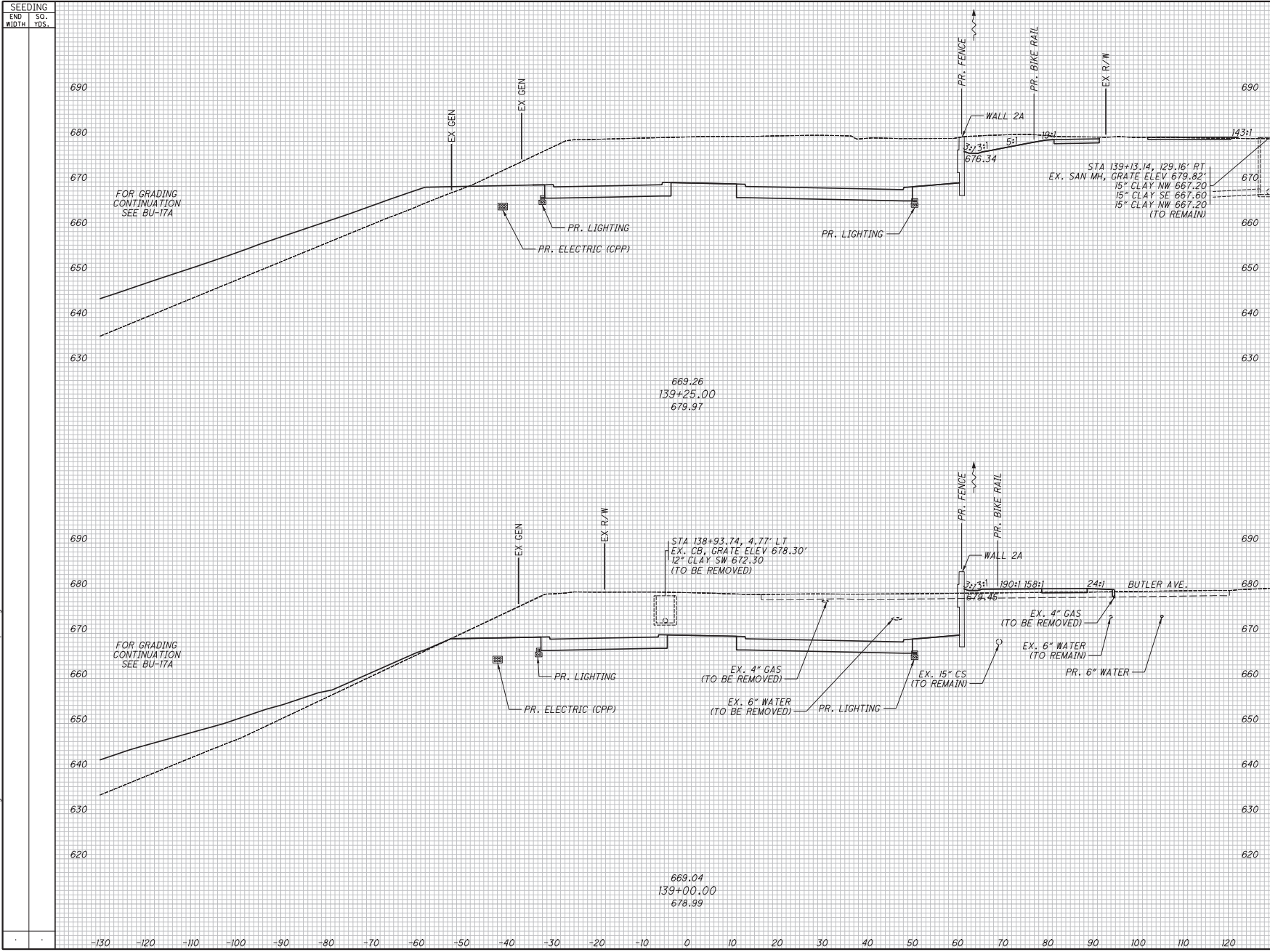
136
303



SEEDING		END AREA		VOLUME		CALCULATED		CHECKED	
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	JTH	SM	JTH	SM

NO.	DATE	ISSUE RECORD
0	2019-07-29	RFC <i>David R. Penhatch</i>
		DESCRIPTION
FOR CONSTRUCTION		
CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.		
STA. 138+50.00 TO STA. 138+75.00		
CUY-IR490/SR010-		
2.09 / 19.28		

137
303



NO.	DATE	DESCRIPTION	ISSUE RECORD		CALCULATED JTH	CHECKED SM
			ISSUE	RECORD		
0	2019-07-29	RFI	David R. Penhatch			

END AREA		VOLUME	
CUT	FILL	CUT	FILL

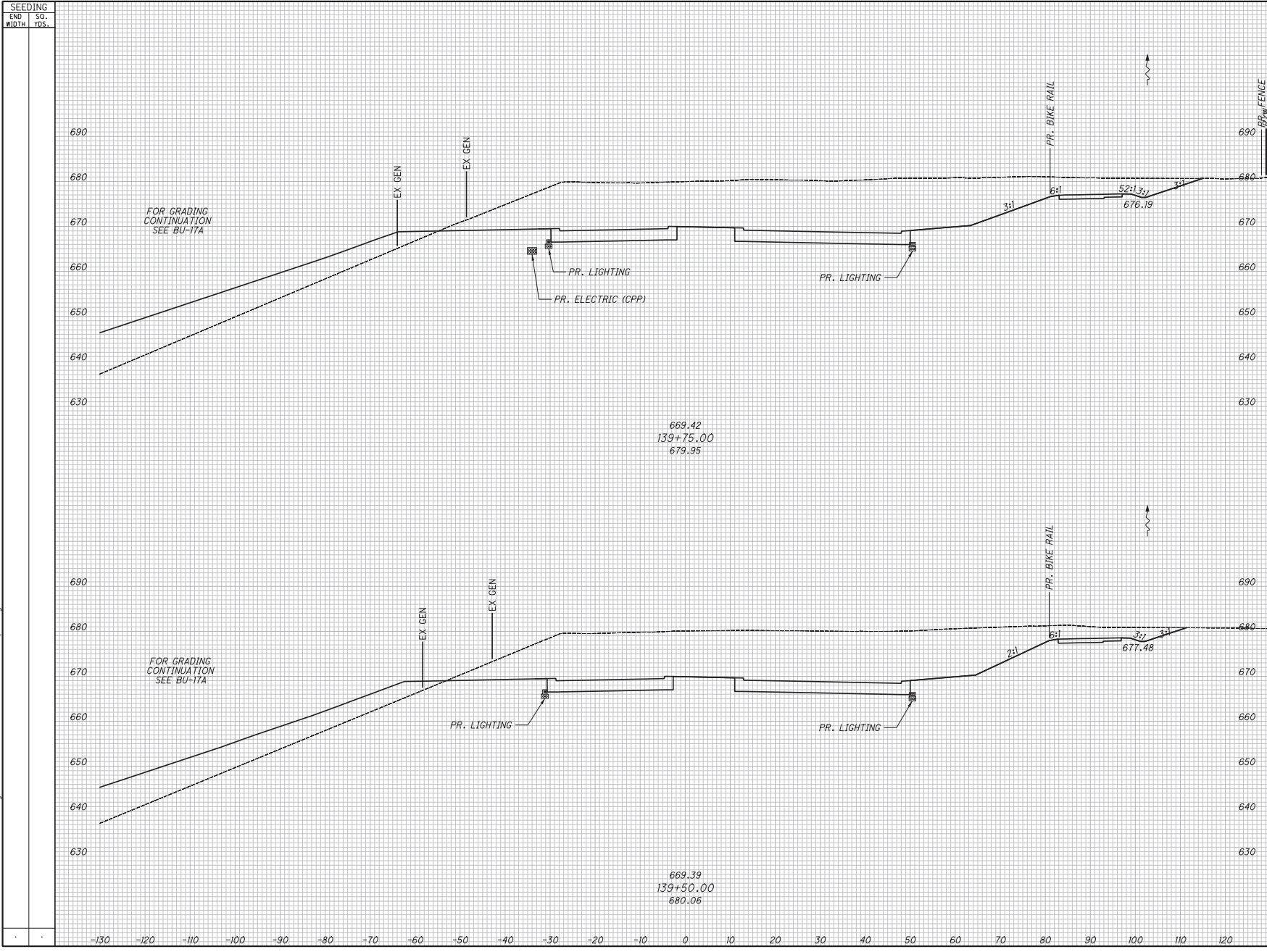
RELEASED

FOR CONSTRUCTION

**CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
 STA. 139+00.00 TO STA. 139+25.00**

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

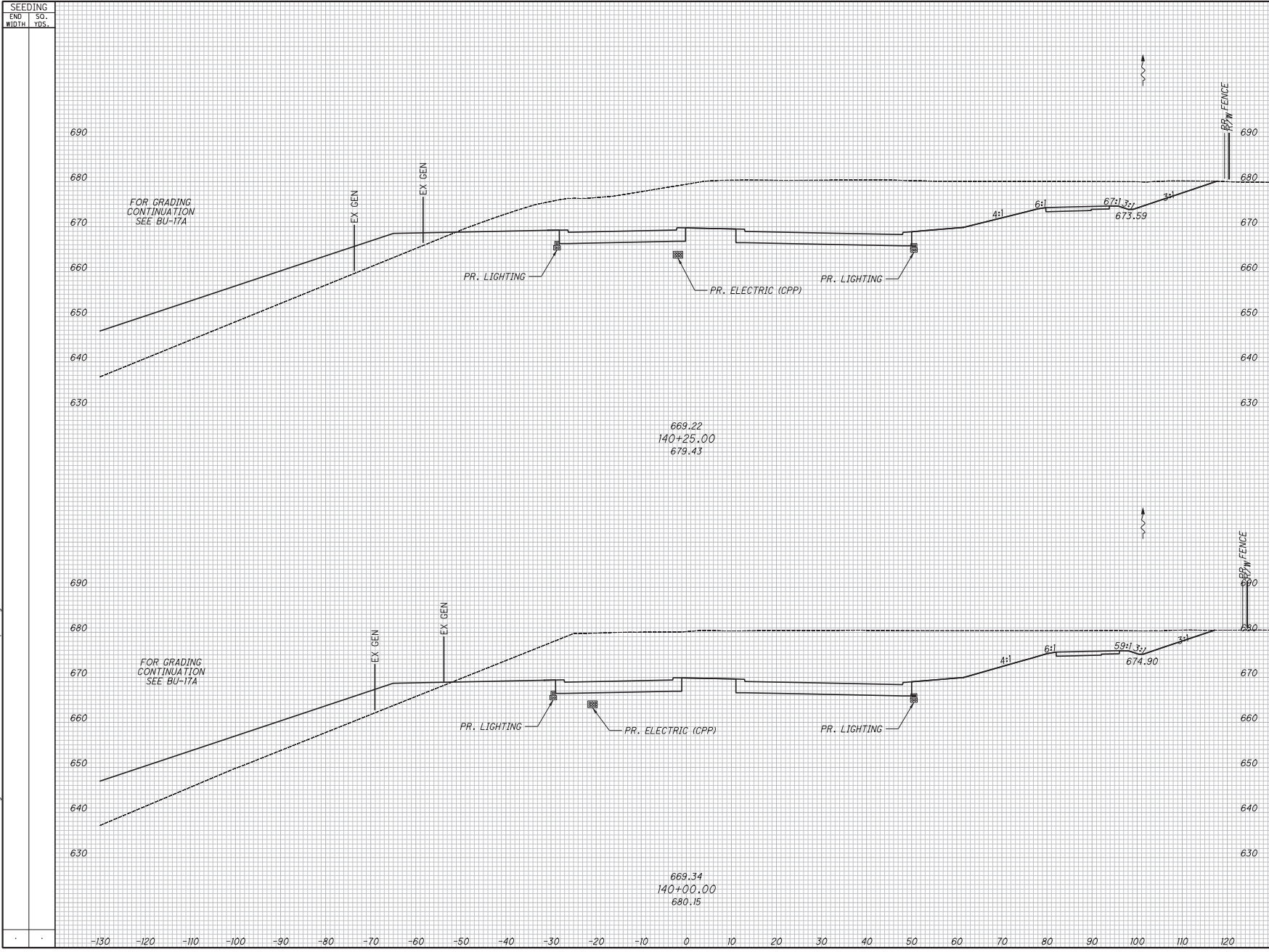
138
303



NO.	DATE	DESCRIPTION	END AREA		VOLUME		CALCULATED JTH	CHECKED SM
			CUT	FILL	CUT	FILL		
0	2019-07-29	RFI						
		Issue Record						
		DESCRIPTION						
		ISSUE RECORD						
		CUY-IR490 / SR010-						
		2.09 / 19.28						
		CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD. STA. 139+50.00 TO STA. 139+75.00						

RELEASED
 FOR CONSTRUCTION
 CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
 STA. 139+50.00 TO STA. 139+75.00

139
303



NO.	DATE	DESCRIPTION	ISSUE RECORD		CALCULATED JTH	CHECKED SM
			ISSUE	RECORD		
0	2019-07-29	RFI David X. Penhach				

END	AREA	VOLUME	
		CUT	FILL

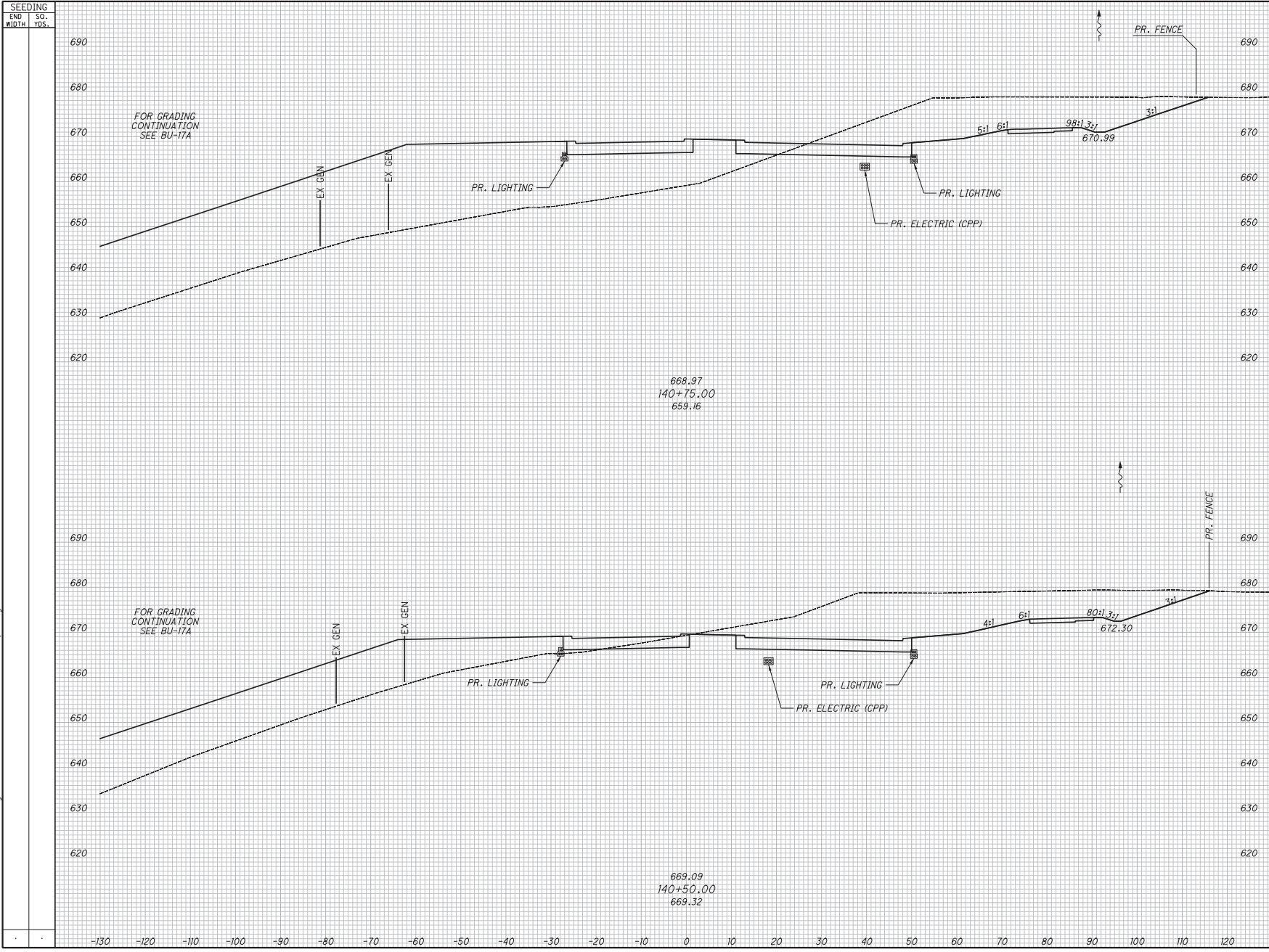
RELEASED

FOR CONSTRUCTION

**CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
STA. 140+00.00 TO STA. 140+25.00**

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

140
303



END WIDTH	SO. YDS.	AREA		VOLUME		CALCULATED JTH	CHECKED SM
		CUT	FILL	CUT	FILL		

NO. DATE		DESCRIPTION	
0	2019-07-29	RF	David R. Penhatch
ISSUE RECORD		2.09 / 19.28	

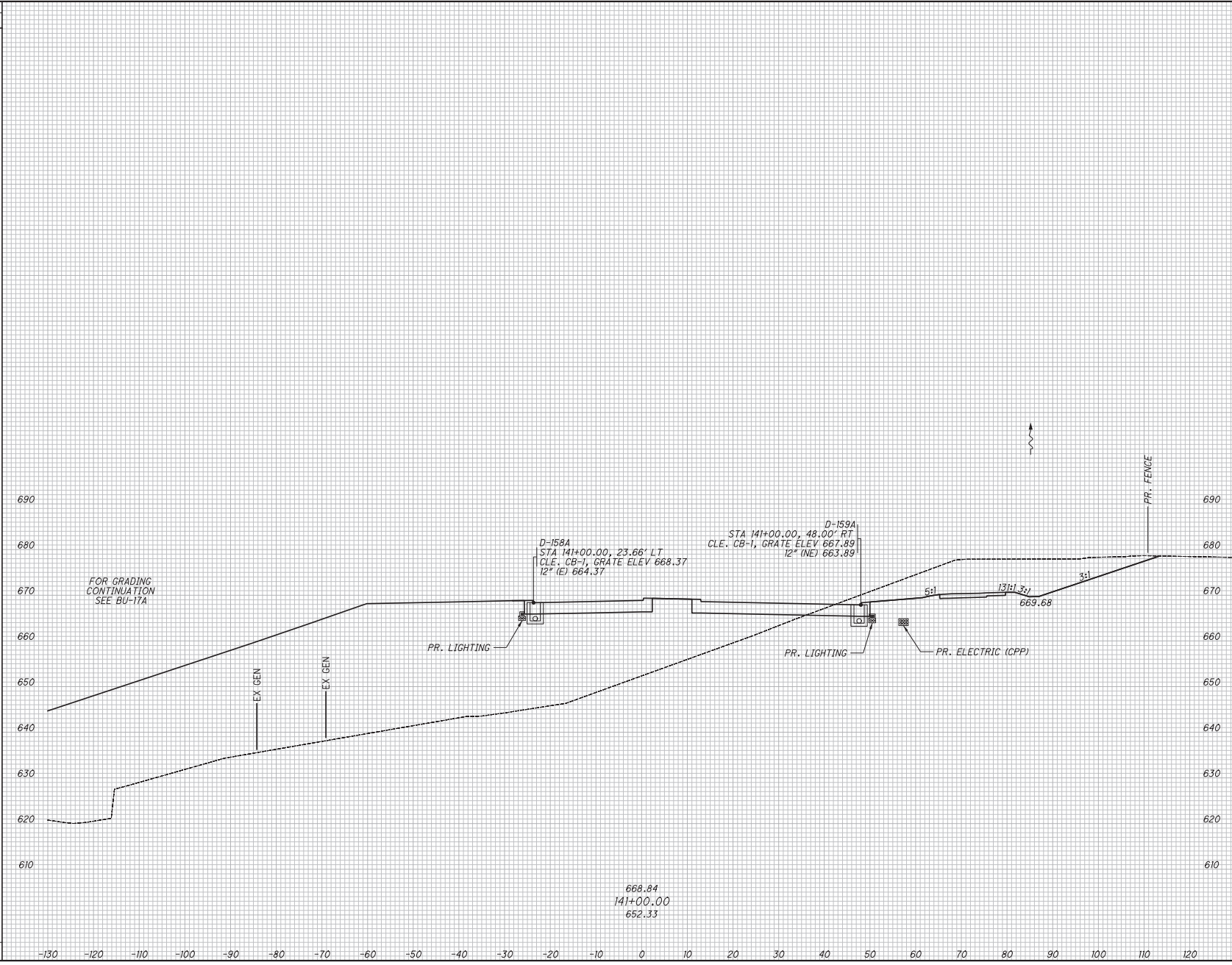
CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD. STA. 140+50.00 TO STA. 140+75.00	
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141	303
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RELEASED

FOR CONSTRUCTION

SEEDING	
END WIDTH	SO. YDS.



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

NO.	DATE	ISSUE RECORD
0	2019-07-29	RFI
DESCRIPTION		
David R. Penhatch		

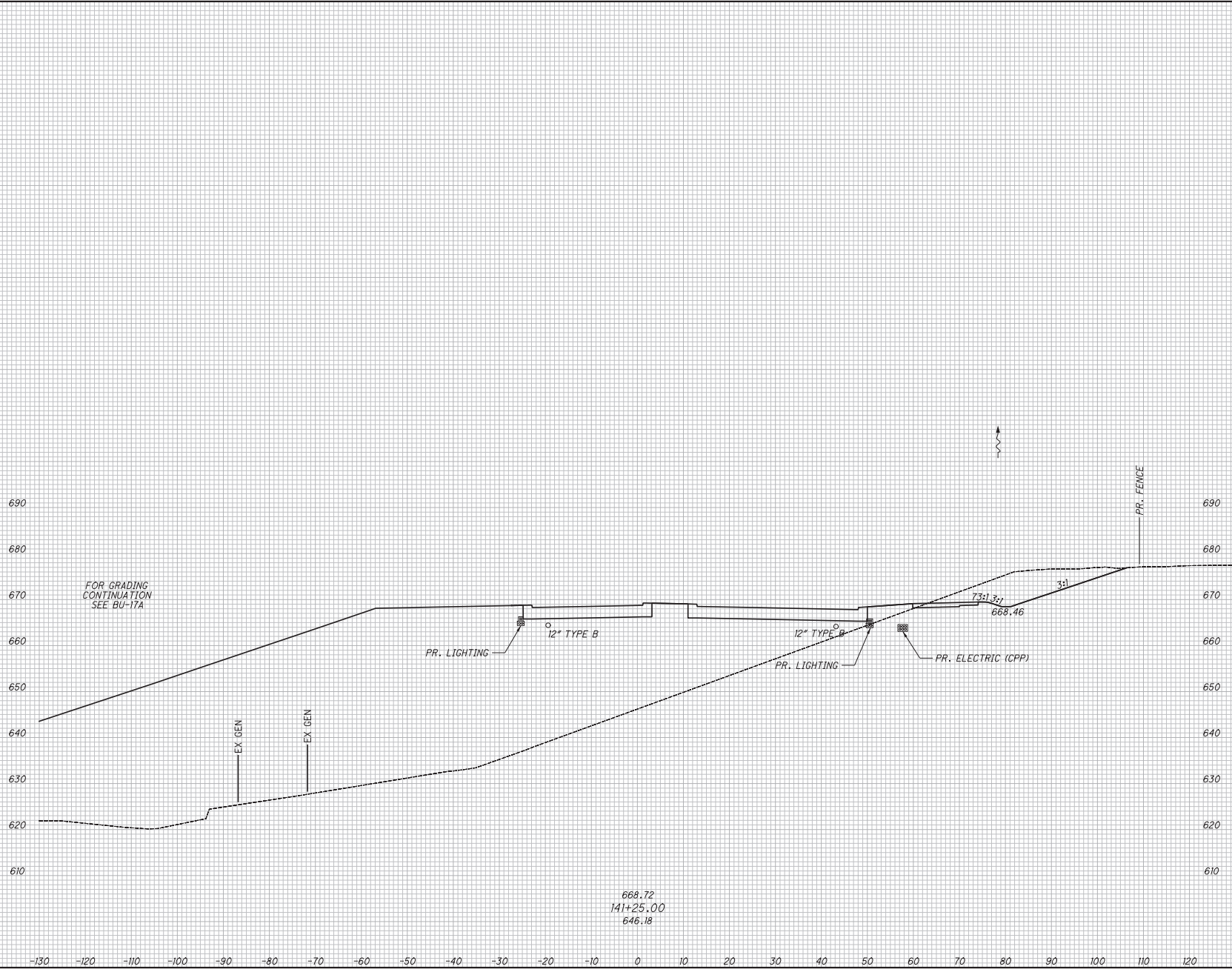
CUY-IR490 / SR010- 2.09 / 19.28	
142	303

RELEASED

FOR CONSTRUCTION

CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
STA. 141+00.00

SEEDING	
END WIDTH	SO. YDS.



668.72
141+25.00
646.18

NO.	DATE	DESCRIPTION	END AREA		VOLUME		CALCULATED JTH	CHECKED	SM
			CUT	FILL	CUT	FILL			
0	2019-07-29	RFI							
David R. Penick ISSUE RECORD									
CUY-IR490 / SR010- 2.09 / 19.28									
145 303									

RELEASED
 FOR CONSTRUCTION
 CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
 STA. 141+25.00

SEEDING	
END WIDTH	SO. YDS.

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM

RELEASED FOR CONSTRUCTION

CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
STA. 141+50.00

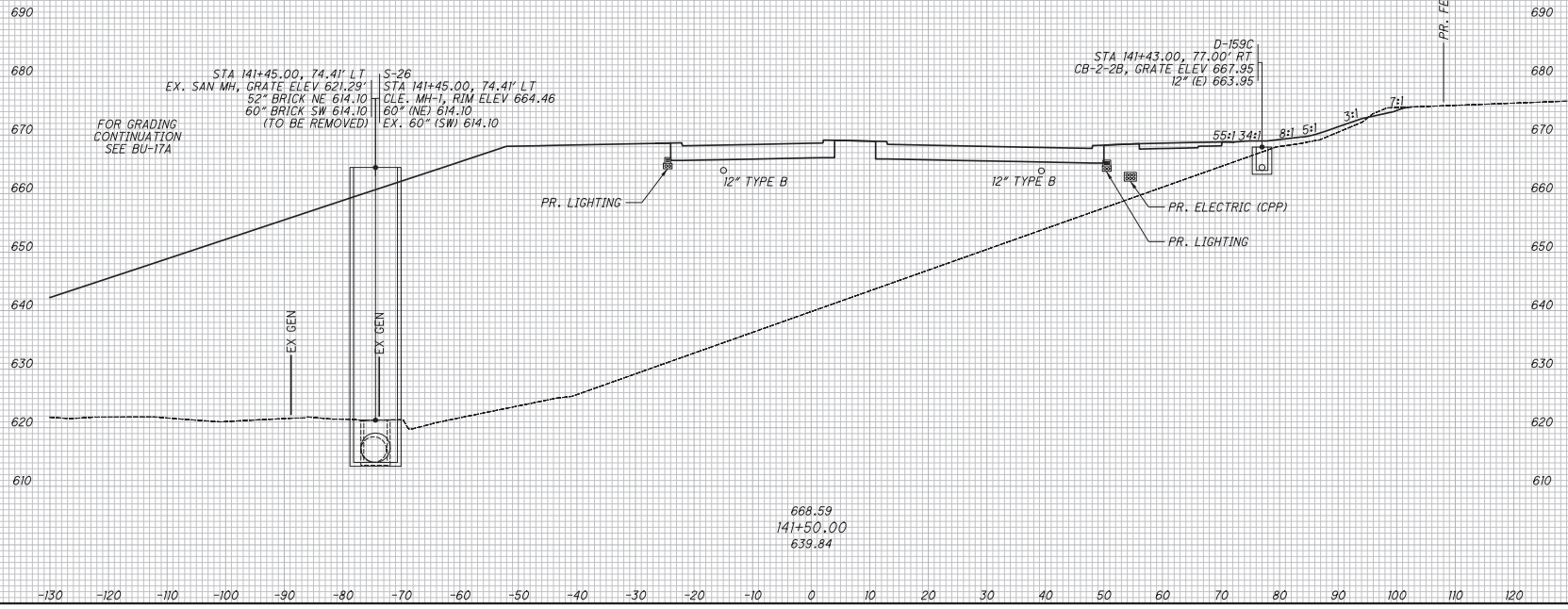
CUY-IR490/SR010-
2.09 / 19.28

144
303

ISSUE RECORD

NO.	DATE	DESCRIPTION
0	2019-07-29	RFC

David R. Penick



FOR GRADING
CONTINUATION
SEE BU-17A

STA 141+45.00, 74.41' LT
EX. SAN MH, GRATE ELEV 621.29'
52" BRICK NE 614.10
60" BRICK SW 614.10
(TO BE REMOVED)

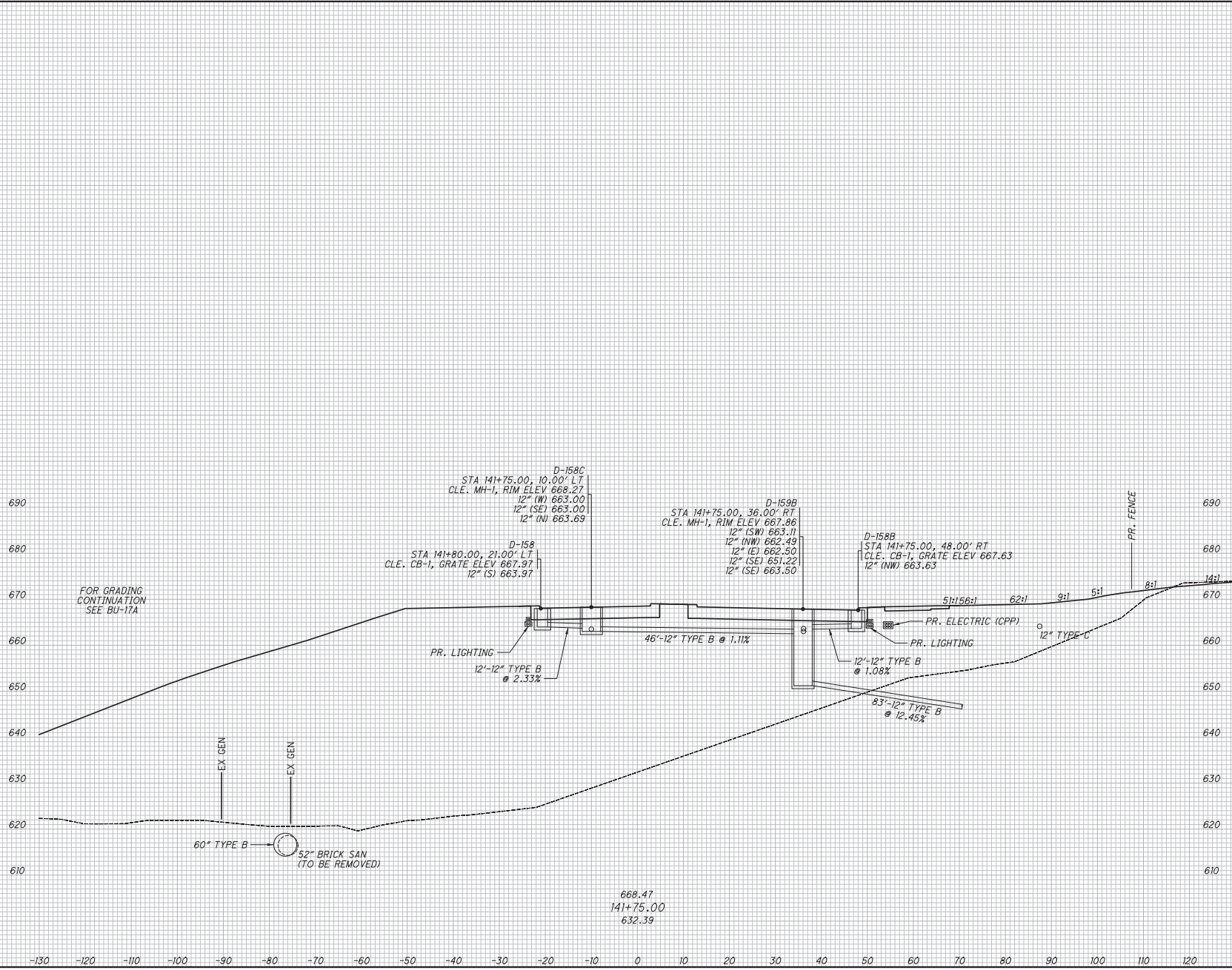
S-26
STA 141+45.00, 74.41' LT
CLE. MH-1, RIM ELEV 664.46
60" (NE) 614.10
EX. 60" (SW) 614.10

D-159C
STA 141+43.00, 77.00' RT
CB-2-2B, GRATE ELEV 667.95
12" (E) 663.95

668.59
141+50.00
639.84

SEEDING	
END WIDTH	SO. YDS.

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM

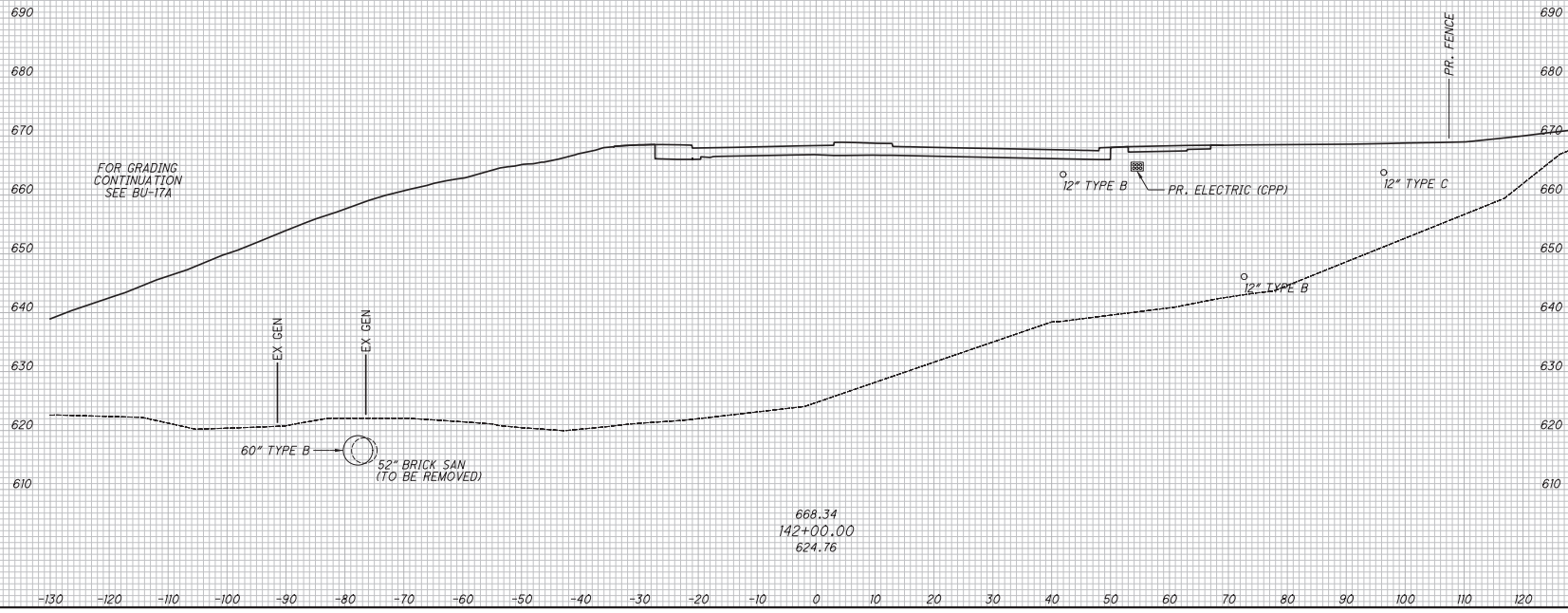


RELEASED
 FOR CONSTRUCTION
 CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
 STA. 141+75.00

NO.	DATE	ISSUE RECORD
0	2019-07-29	RFI
		DESCRIPTION
		David R. Penhatch
		ISSUE RECORD
		2.09 / 19.28

145
303

SEEDING	
END WIDTH	SO. YDS.



668.34
142+00.00
624.76

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM

RELEASED

FOR CONSTRUCTION

CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
STA. 142+00.00

NO. DATE
0 2019-07-29

DESCRIPTION
ISSUE RECORD

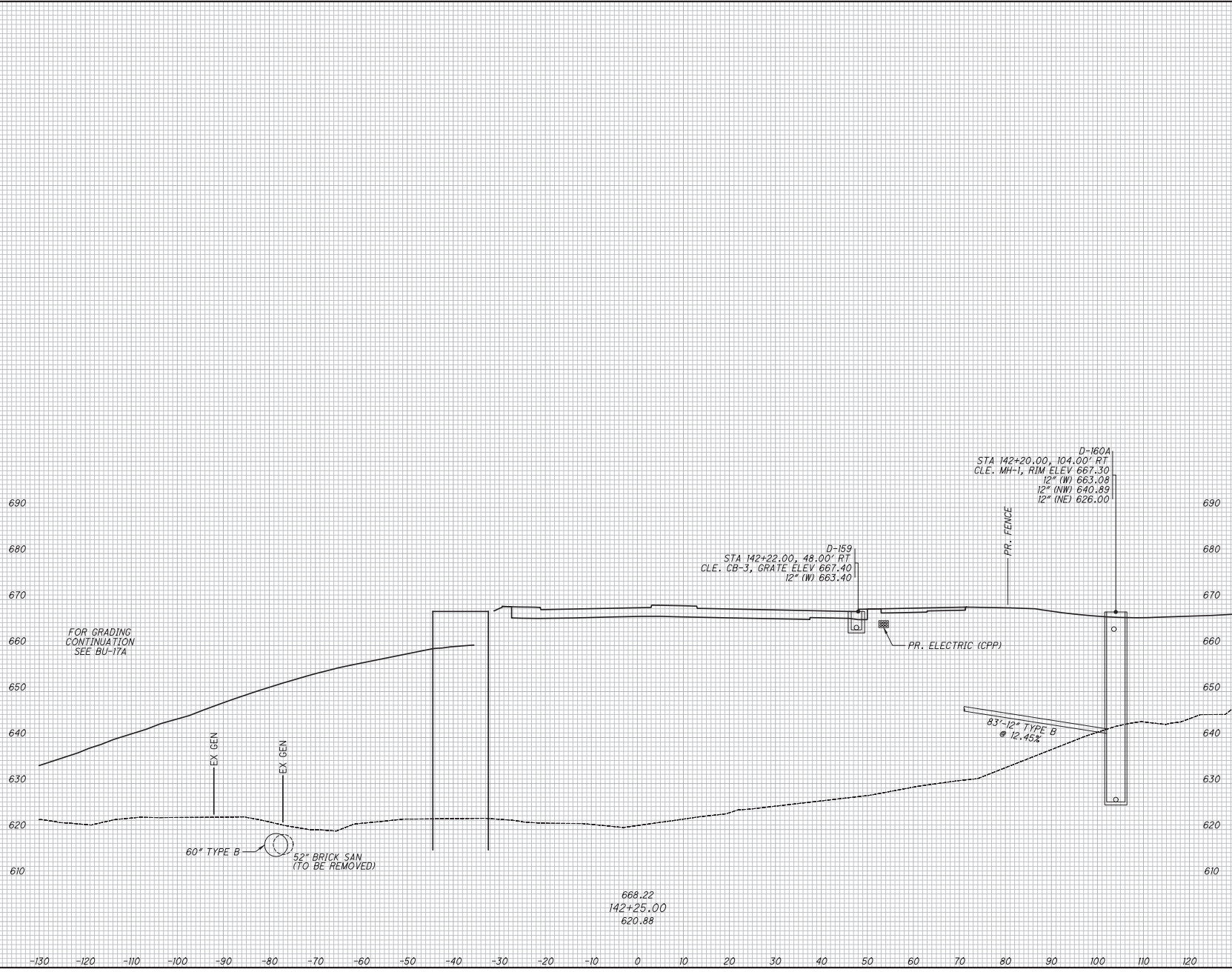
RF
David R. Penhatch

CUY-IR490/SR010-
2.09 / 19.28

146
303

SEEDING	
END WIDTH	SO. YDS.

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM

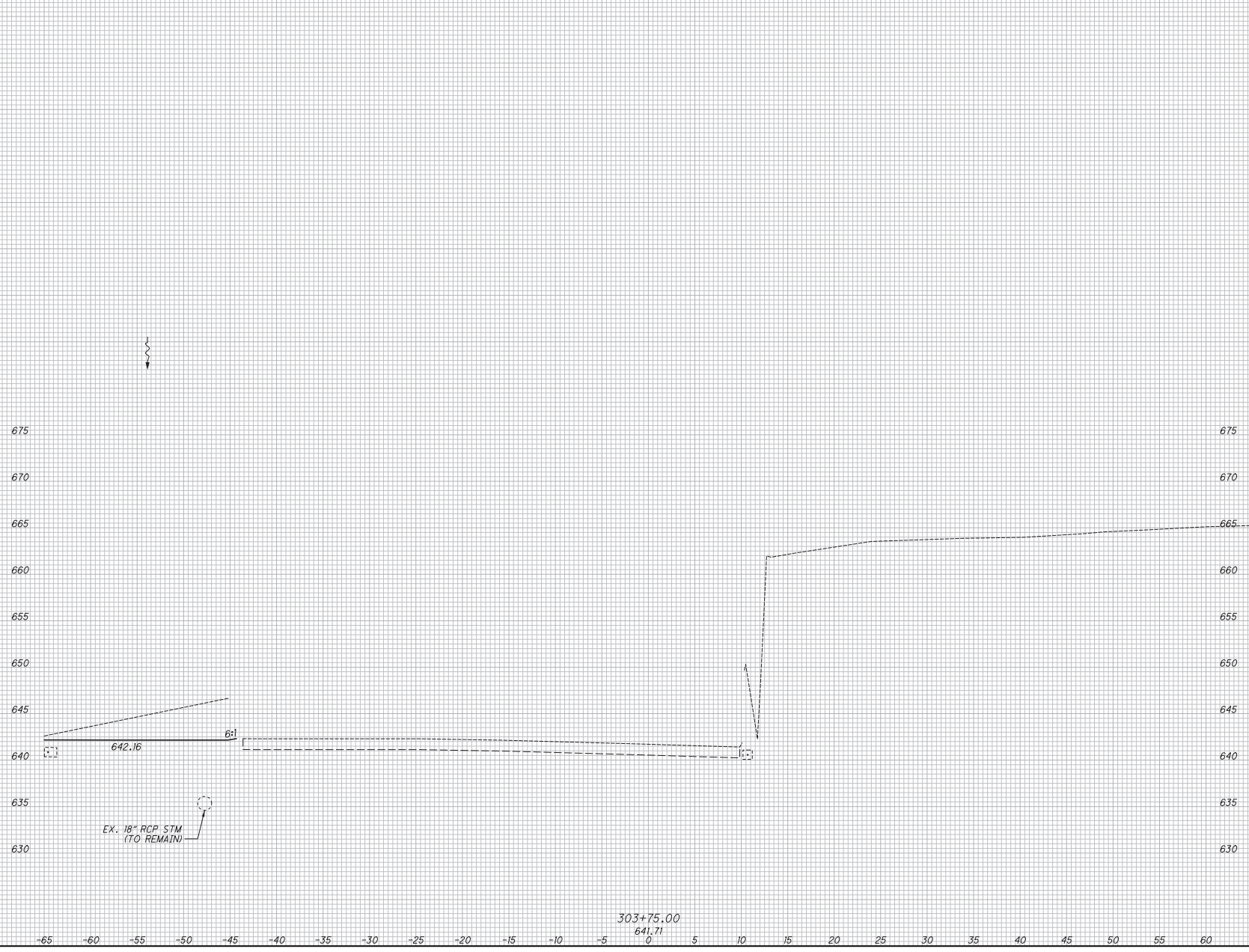


RELEASED
 FOR CONSTRUCTION
 CROSS SECTIONS - OPPORTUNITY CORRIDOR BLVD.
 STA. 142+25.00

NO.	DATE	DESCRIPTION
0	2019-07-29	ISSUE RECORD
<i>David R. Penhatch</i> REF		
CUY-IR490 / SR010- 2.09 / 19.28		
147 303		

SEEDING	
END WIDTH	SO. YDS.

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM



RELEASED FOR CONSTRUCTION

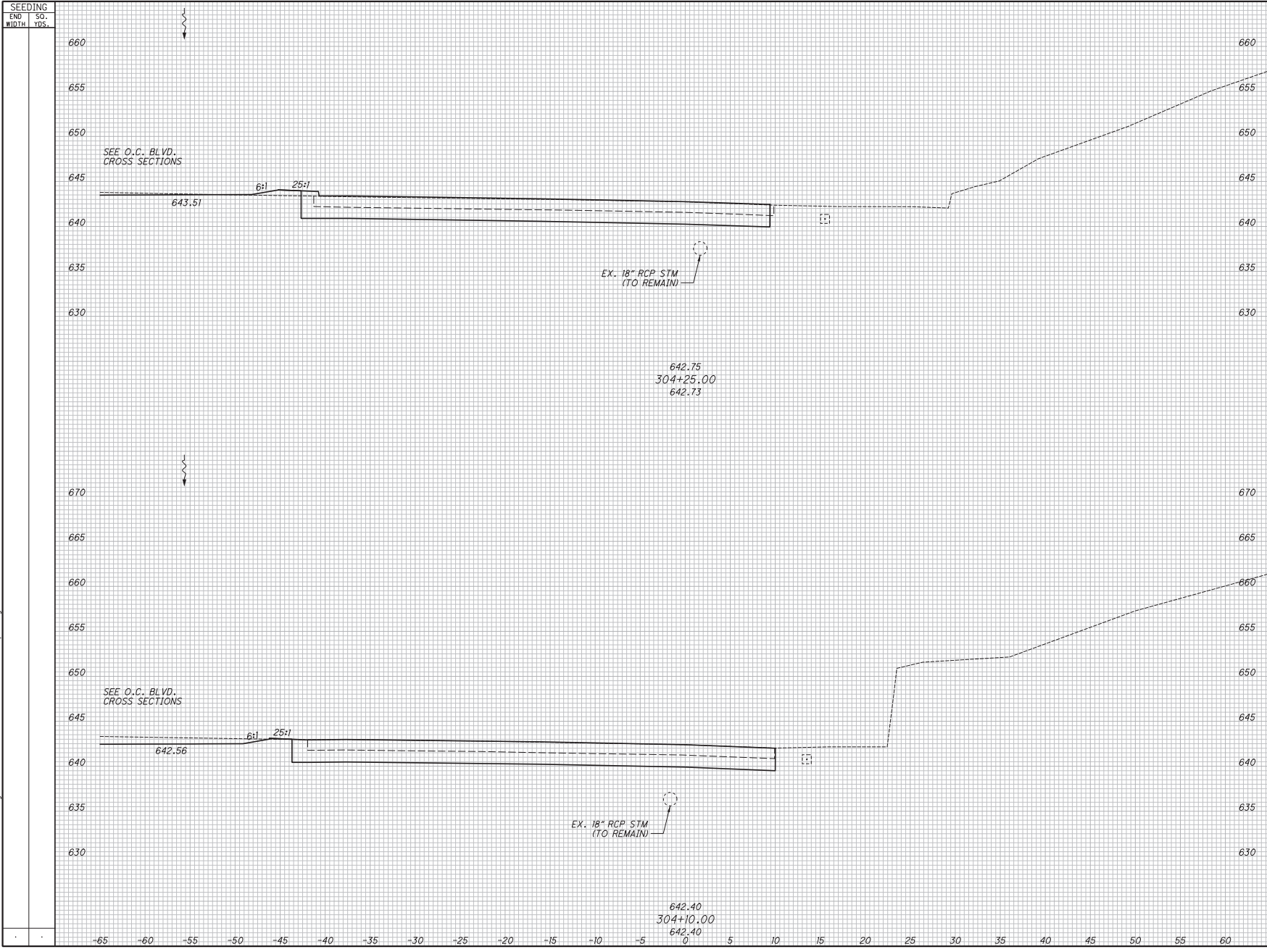
CROSS SECTIONS - RAMP S-E
STA. 303+75.00

NO. DATE DESCRIPTION
ISSUE RECORD

0 2019-07-29 RFC *David R. Penhatch*

CUY-IR490 / SR010-
2.09 / 19.28

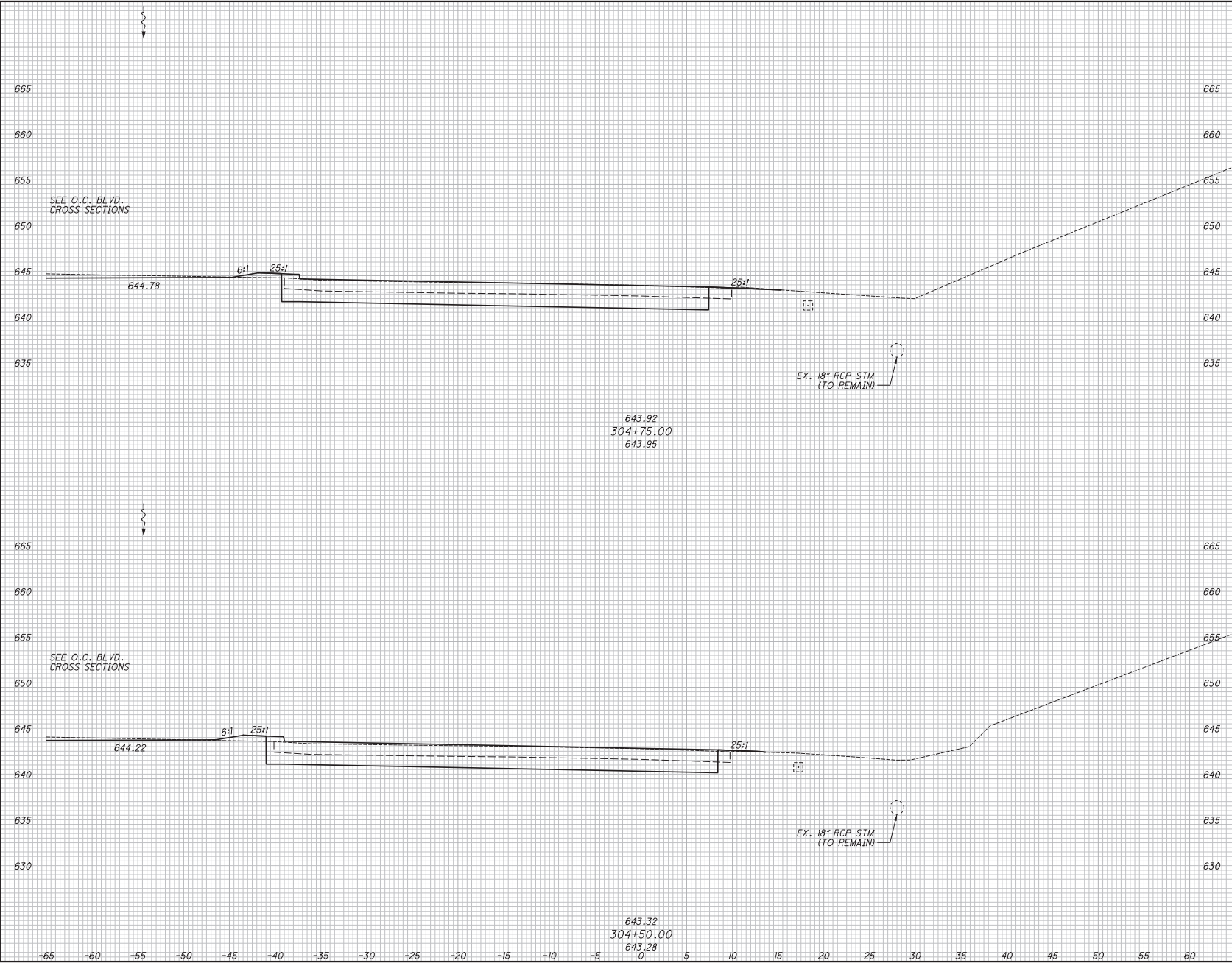
148
303



NO.	DATE	DESCRIPTION	END AREA		VOLUME		CALCULATED JTH	CHECKED SM
			CUT	FILL	CUT	FILL		
0	2019-07-29	RFI						
		David R. Penick						
		ISSUE RECORD						
CUY-IR490 / SR010- 2.09 / 19.28			CROSS SECTIONS - RAMP S-E STA. 304+10.00 TO STA. 304+25.00					

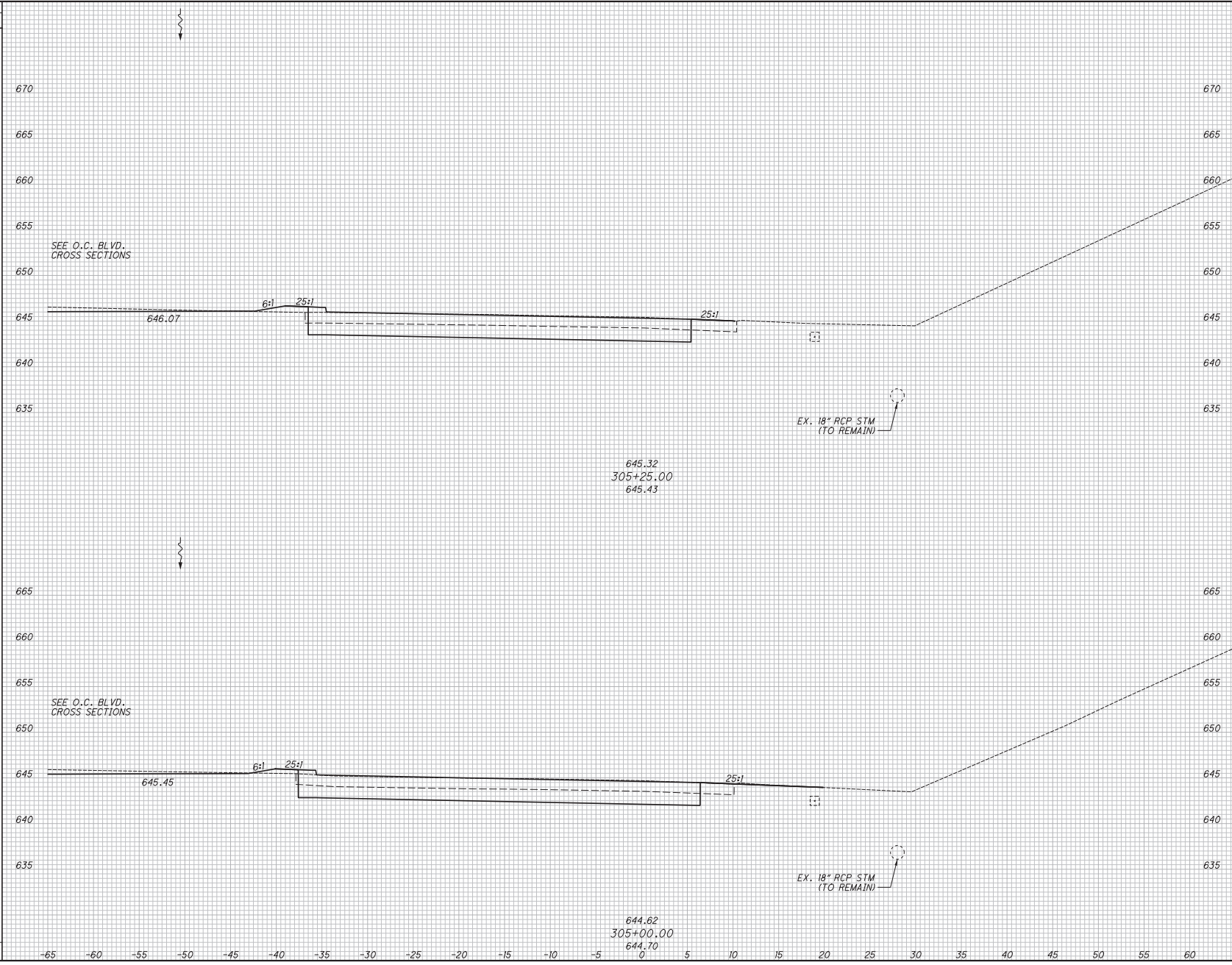
RELEASED
 FOR CONSTRUCTION

SEEDING	
END WIDTH	SO. YDS.



NO.	DATE	DESCRIPTION	END AREA		VOLUME		CALCULATED JTH	CHECKED SM
			CUT	FILL	CUT	FILL		
0	2019-07-29	RFI						
<p style="font-size: 2em; opacity: 0.5;">RELEASED</p> <p style="font-size: 4em; opacity: 0.5;">FOR CONSTRUCTION</p>								
<p>CROSS SECTIONS - RAMP S-E STA. 304+50.00 TO STA. 304+75.00</p>								
<p>CUY-IR490 / SR010- 2.09 / 19.28</p>								
<p>150 303</p>								

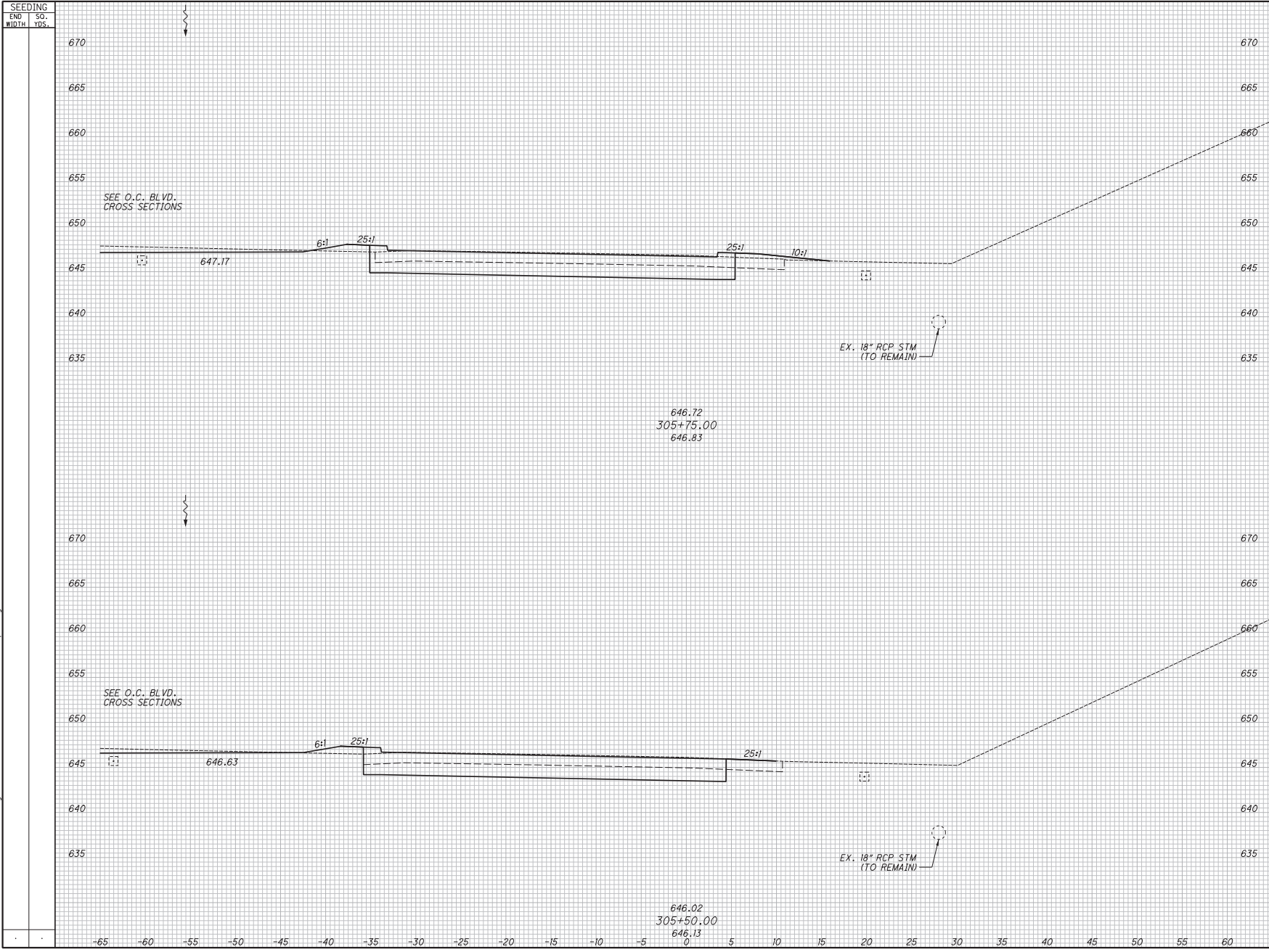
SEEDING	
END WIDTH	SO. YDS.



NO.	DATE	RFC	DESCRIPTION	ISSUE RECORD		CALCULATED JTH	CHECKED SM
				CUT	FILL		
0	2019-07-29	RF	David R. Penick				

END AREA		VOLUME	
CUT	FILL	CUT	FILL

RELEASED	
FOR CONSTRUCTION	
CROSS SECTIONS - RAMP S-E STA. 305+00.00 TO STA. 305+25.00	
CUY-IR490/SR010- 2.09 / 19.28	151 303

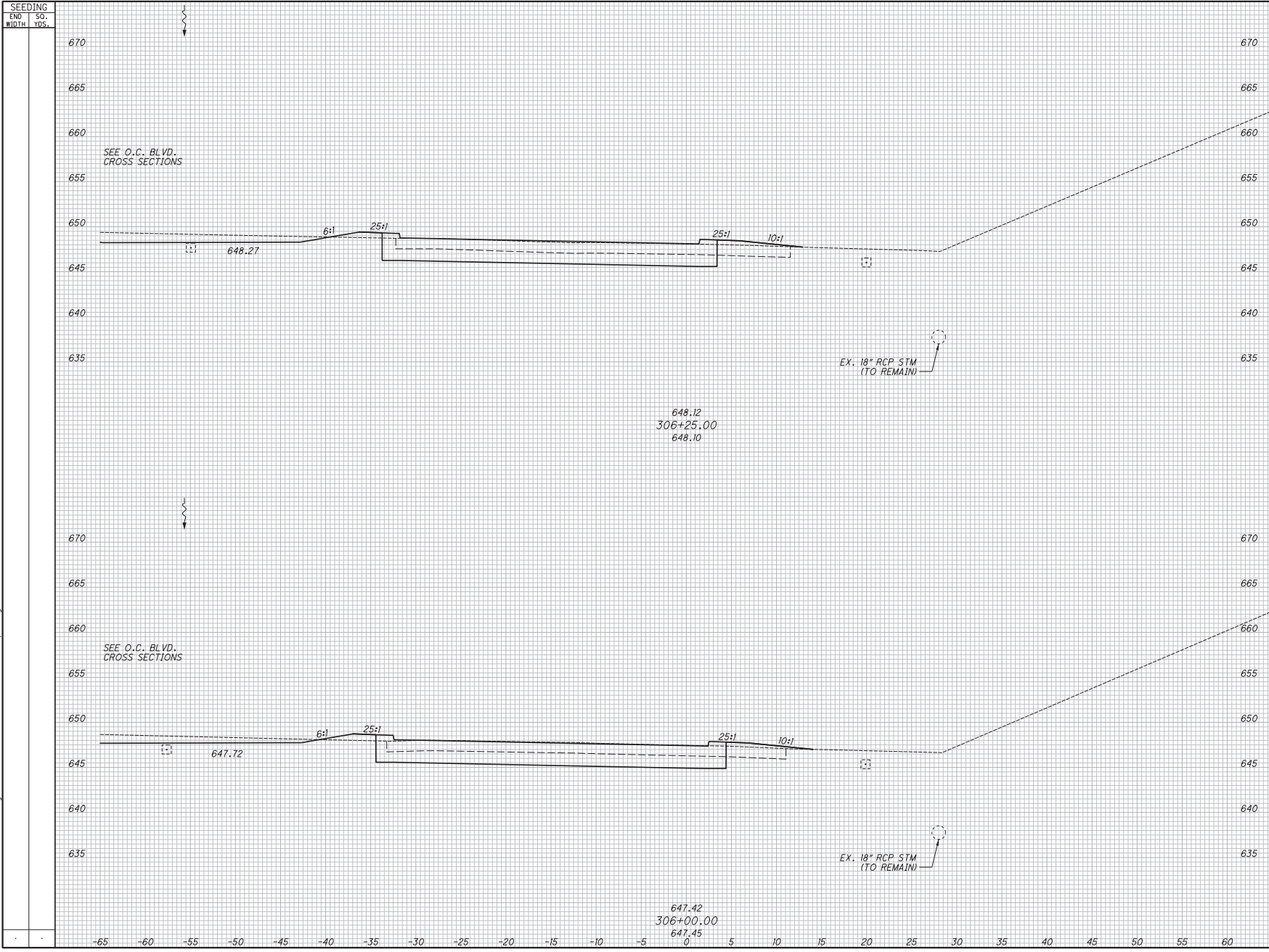


SEEDING		END SO. YDS.		END AREA		VOLUME		CALCULATED		CHECKED	
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	CUT	FILL	JTH	SM	JTH	SM

0 2019-07-29 RFC <i>David R. Penhatch</i> DESCRIPTION ISSUE RECORD		CUY-IR490 / SR010- 2.09 / 19.28	
		152 303	

RELEASED FOR CONSTRUCTION

CROSS SECTIONS - RAMP S-E
 STA. 305+50.00 TO STA. 305+75.00

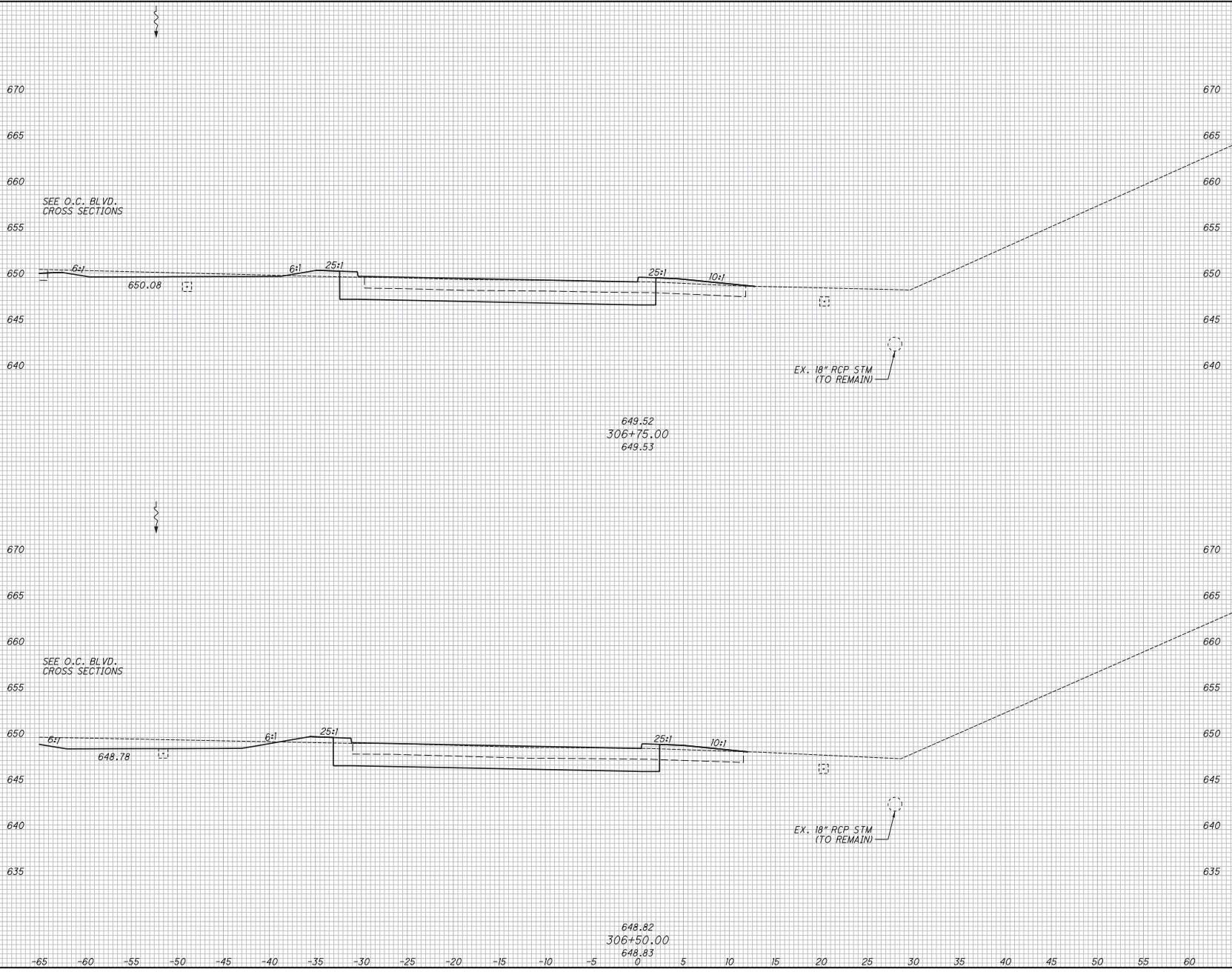


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			CUT	FILL	CUT	FILL	JTH	SM	
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		David R. Penick							
		ISSUE RECORD							
CUY-IR490 / SR010- 2.09 / 19.28			CROSS SECTIONS - RAMP S-E STA. 306+00.00 TO STA. 306+25.00						

RELEASED
 FOR CONSTRUCTION

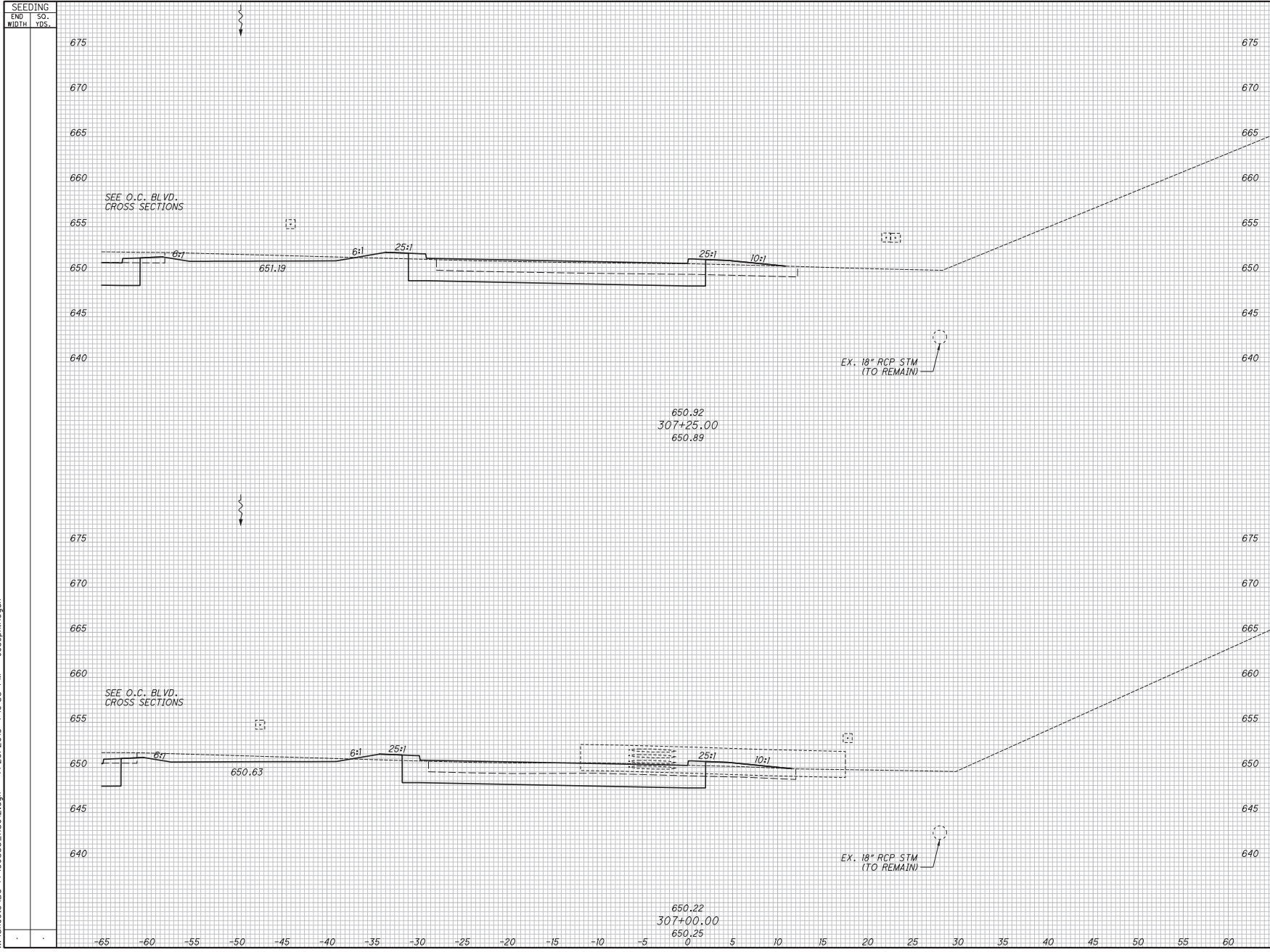
155
303

SEEDING	
END WIDTH	SO. YDS.



END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM
RELEASED FOR CONSTRUCTION					
CROSS SECTIONS - RAMP S-E STA. 306+50.00 TO STA. 306+75.00					
CUY-IR490/SR010- 2.09 / 19.28					
ISSUE RECORD					
NO.	DATE	REV	DESCRIPTION		
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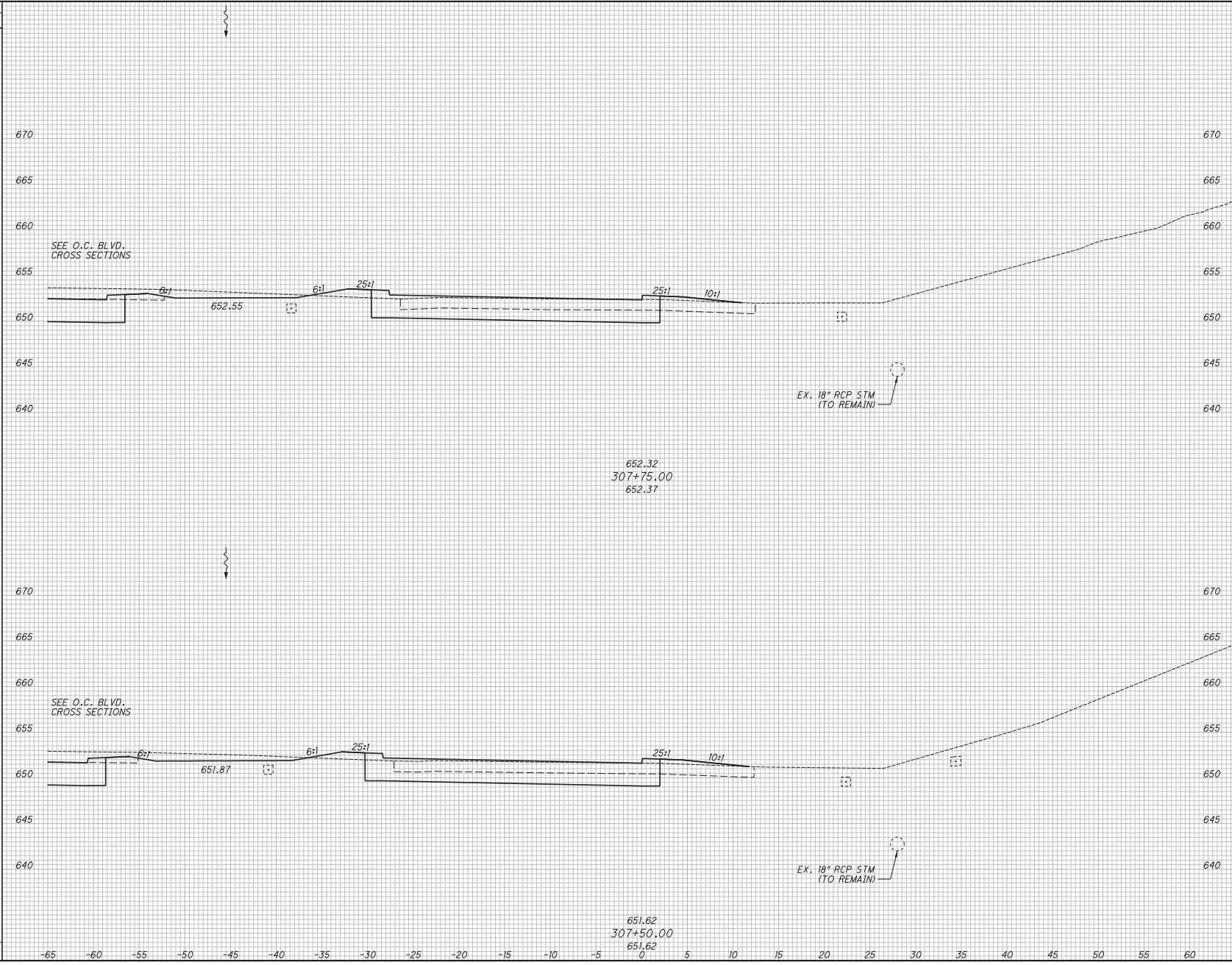
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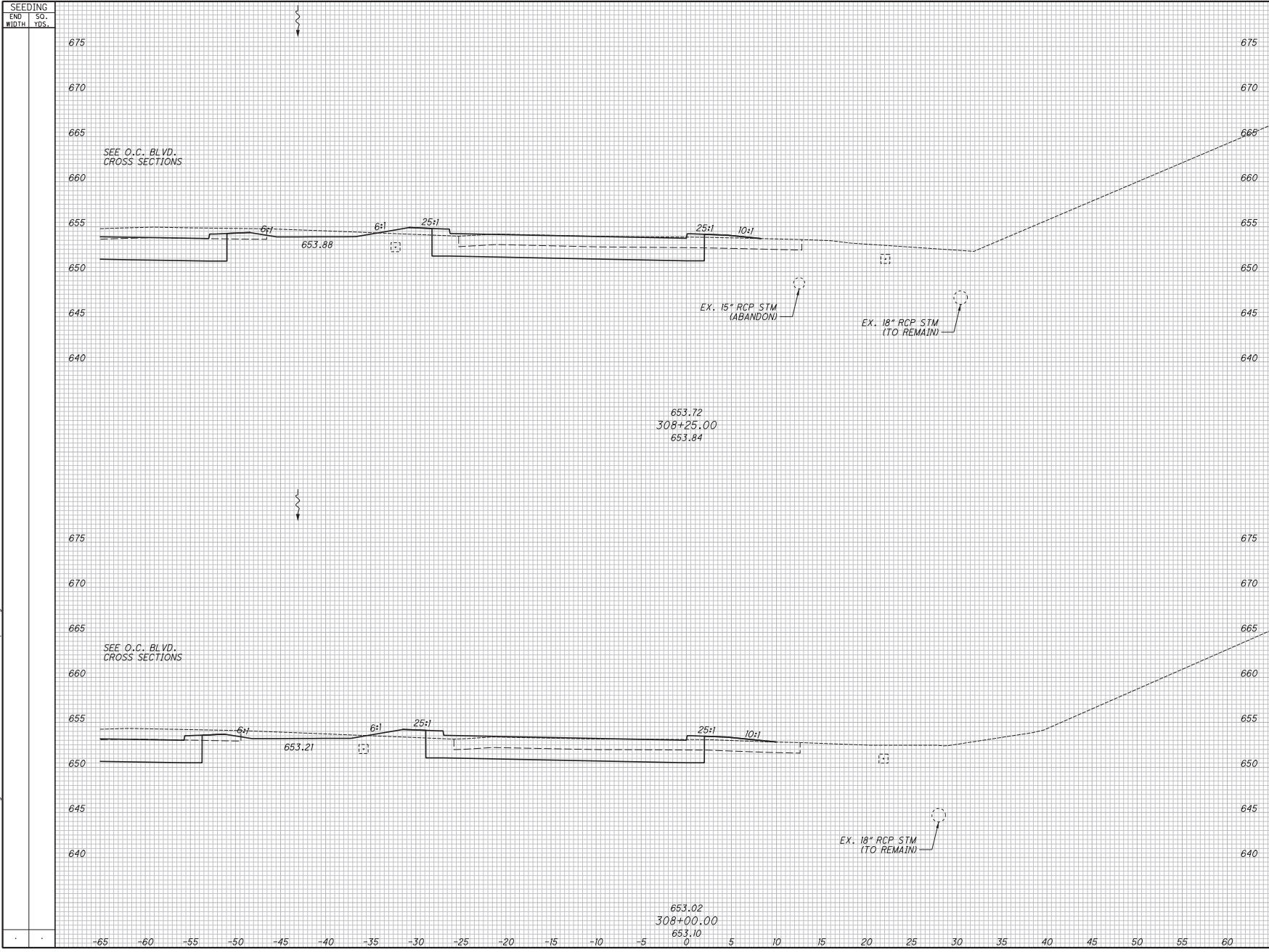
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			CUT	FILL	CUT	FILL		
0	2019-07-29	RFI <i>David R. Penick</i>						
ISSUE RECORD								
CUY-IR490 / SR010 - 2.09 / 19.28								

RELEASED
 FOR CONSTRUCTION
 CROSS SECTIONS - RAMP S-E
 STA. 307+00.00 TO STA. 307+25.00

SEEDING	SO. YDS.
END WIDTH	



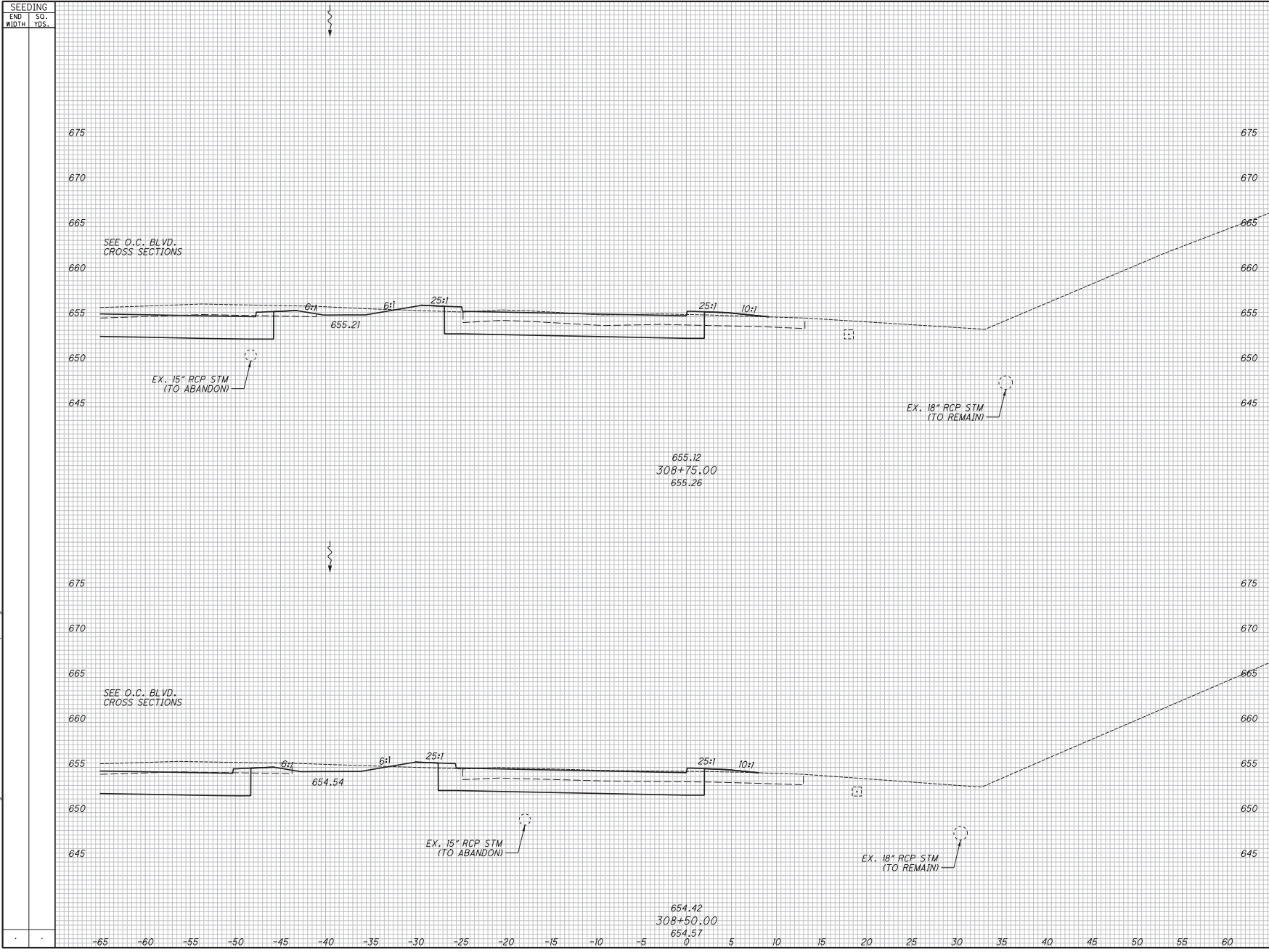
END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM
RELEASED					
FOR CONSTRUCTION					
CROSS SECTIONS - RAMP S-E					
STA. 307+50.00 TO STA. 307+75.00					
NO. DATE		DESCRIPTION		ISSUE RECORD	
0	2019-07-29	RF	David R. Penick		
CUY-IR490 / SR010-					
2.09 / 19.28					
				156 303	



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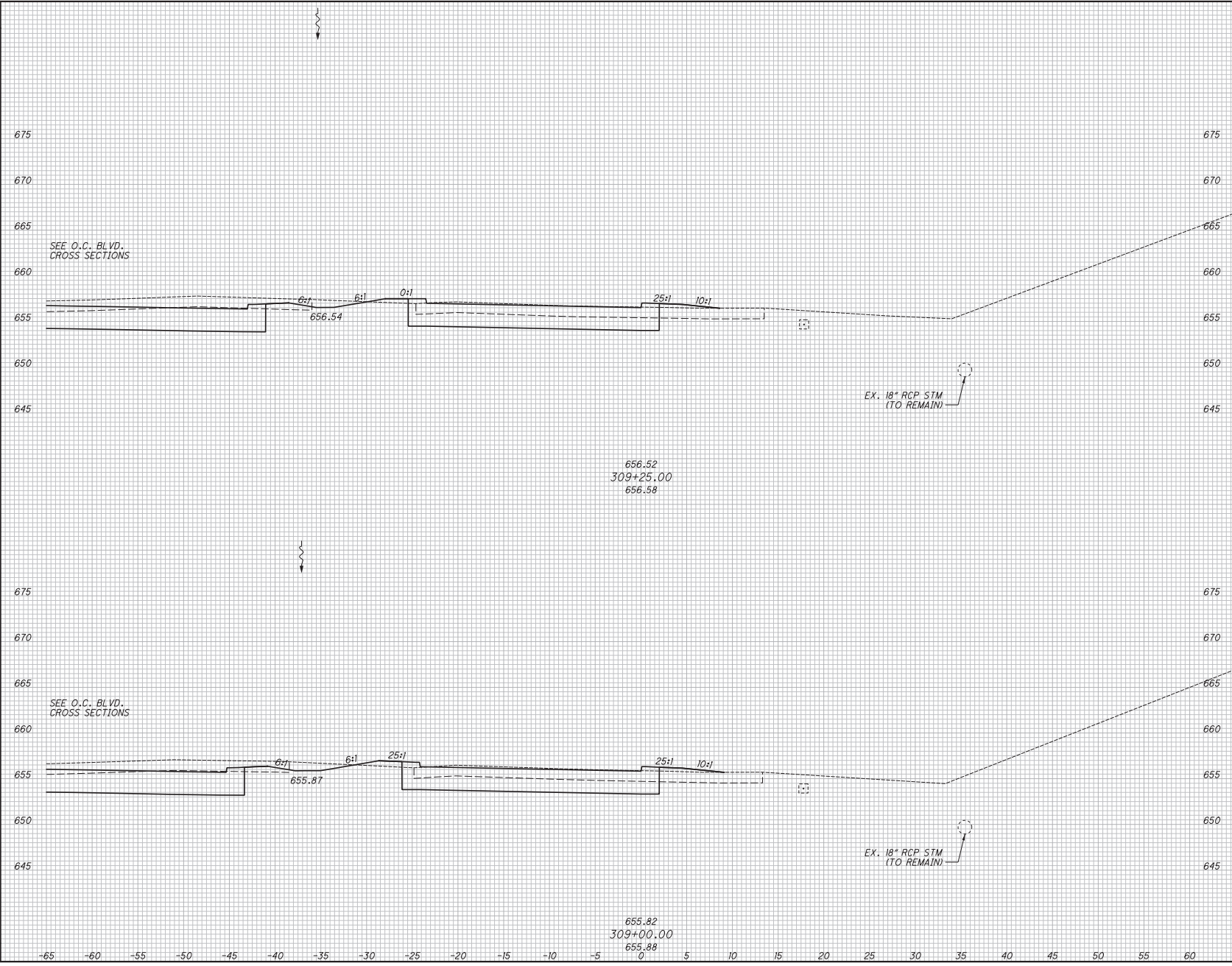
END	AREA	VOLUME	
		CUT	FILL

RELEASED	
FOR CONSTRUCTION	
CROSS SECTIONS - RAMP S-E STA. 308+00.00 TO STA. 308+25.00	
CUY-IR490 / SR010- 2.09 / 19.28	
157	303



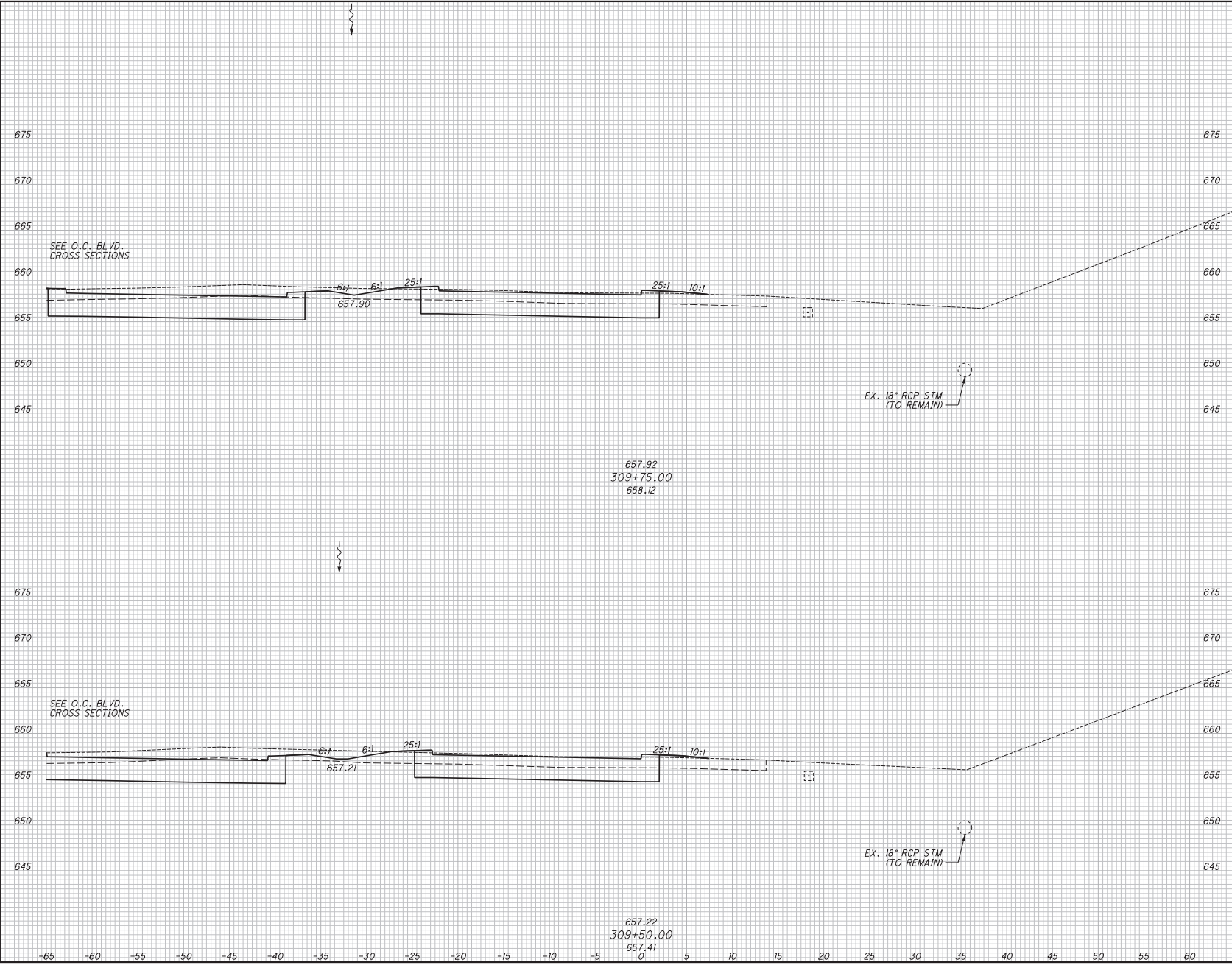
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				0	2019-07-29	RFV	David R. Penhatch						
<p>RELEASED</p> <p>FOR CONSTRUCTION</p>										<p>CROSS SECTIONS - RAMP S-E STA. 308+50.00 TO STA. 308+75.00</p>			
										<p>CUY-IR490 / SR010- 2.09 / 19.28</p>			
										<p>158 303</p>			

SEEDING
END WIDTH
SO. YDS.



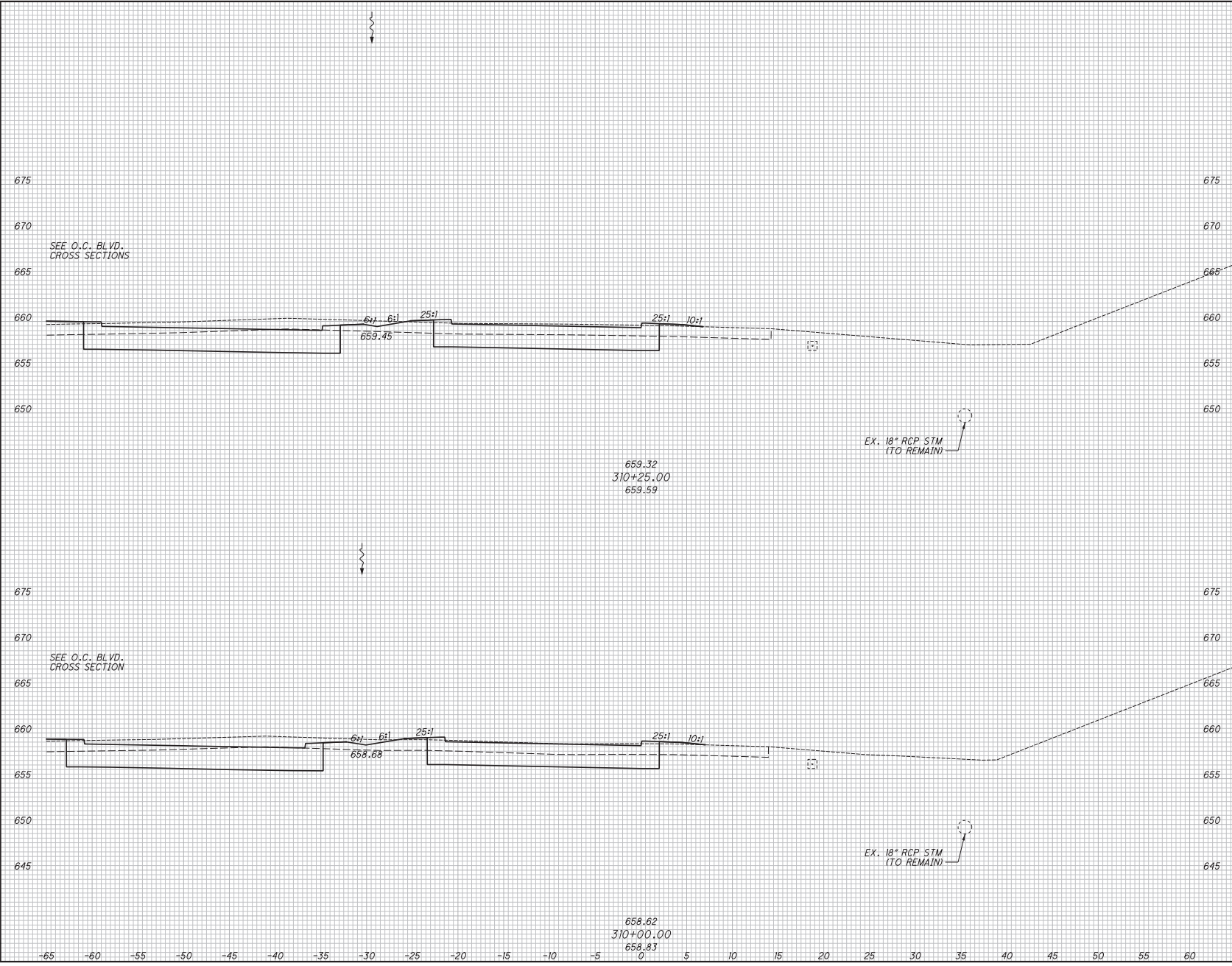
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CUT	FILL	CUT	FILL	JTH	SM	JTH	SM
RELEASED FOR CONSTRUCTION							
CROSS SECTIONS - RAMP S-E STA. 309+00.00 TO STA. 309+25.00							
CUY-IR490 / SR010- 2.09 / 19.28							
ISSUE RECORD							
NO.	DATE	RF	DESCRIPTION				
0	2019-07-29	RF	David R. Penick				
159 303							

SEEDING	
END WIDTH	SO. YDS.



END AREA		VOLUME		CALCULATED		CHECKED									
CUT	FILL	CUT	FILL	JTH	SM	JTH	SM								
RELEASED FOR CONSTRUCTION															
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CUY-IR490/SR010- 2.09 / 19.28															
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NO.	DATE	DESCRIPTION	ISSUE RECORD												
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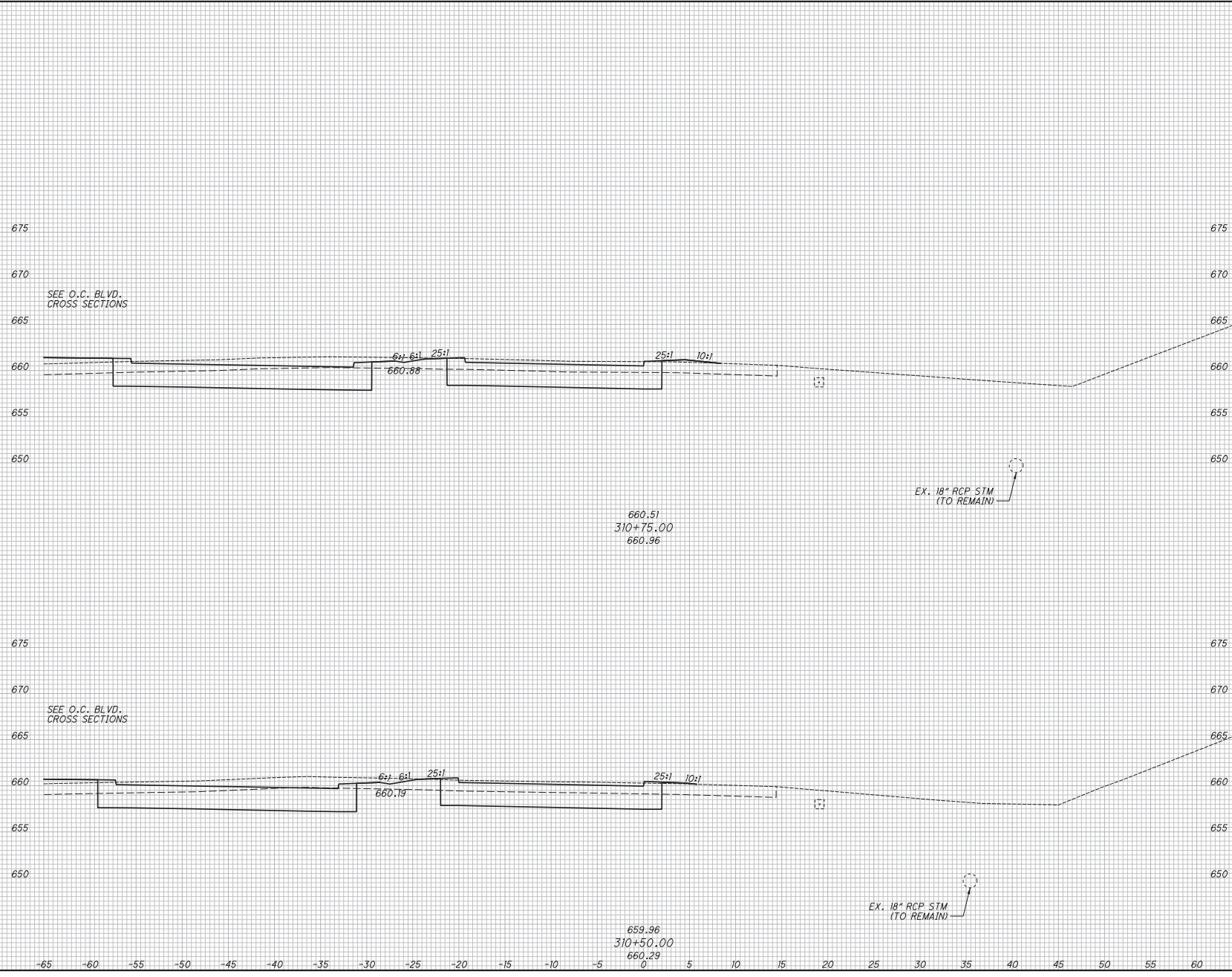
SEEDING	
END WIDTH	SO. YDS.



END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM
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CROSS SECTIONS - RAMP S-E STA. 310+00.00 TO STA. 310+25.00					
NO.		DATE		DESCRIPTION	
0		2019-07-29		RFC David R. Penick	
ISSUE RECORD					
CUY-IR490 / SR010- 2.09 / 19.28					
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SEEDING	
END WIDTH	SO. YDS.

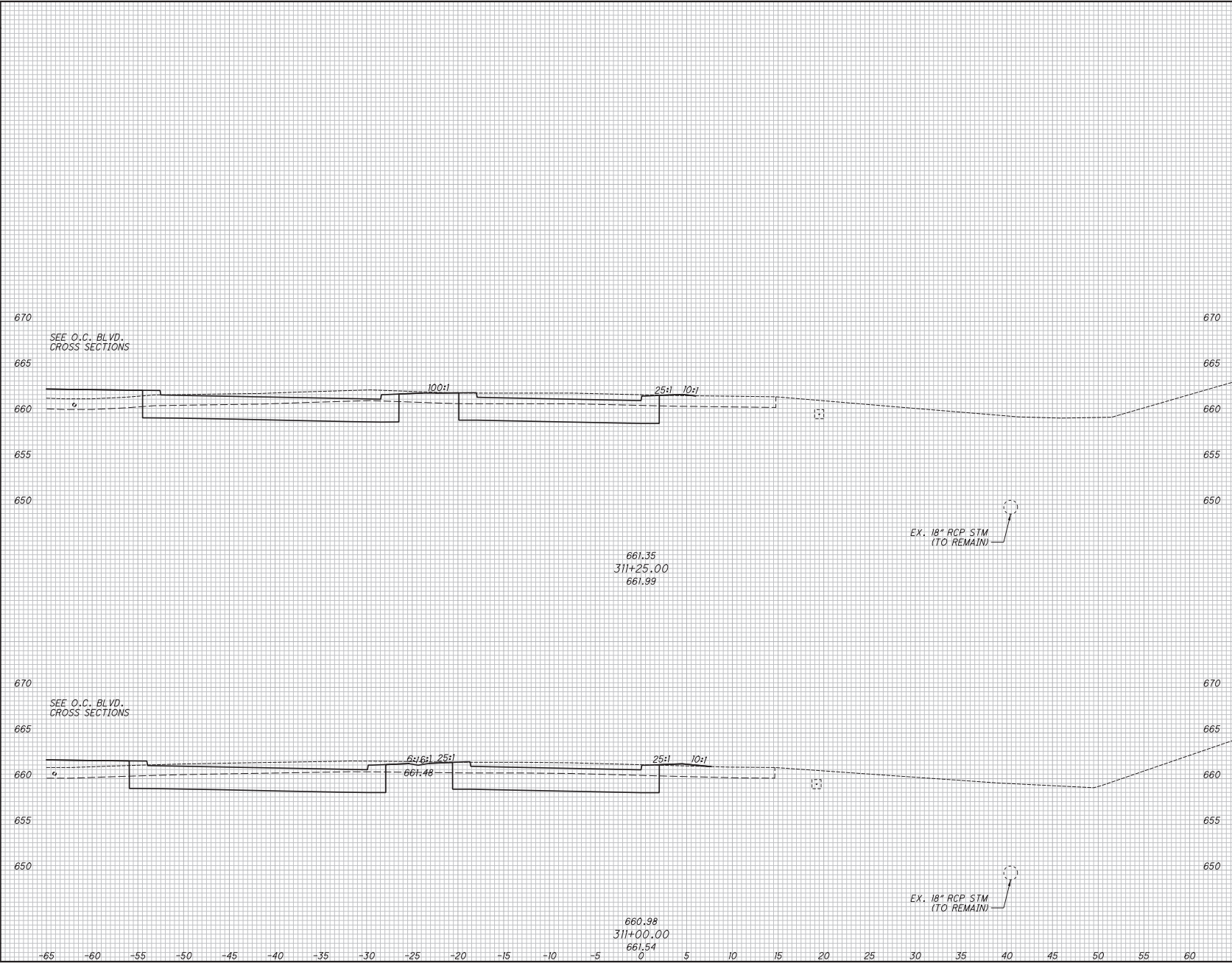
END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM



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

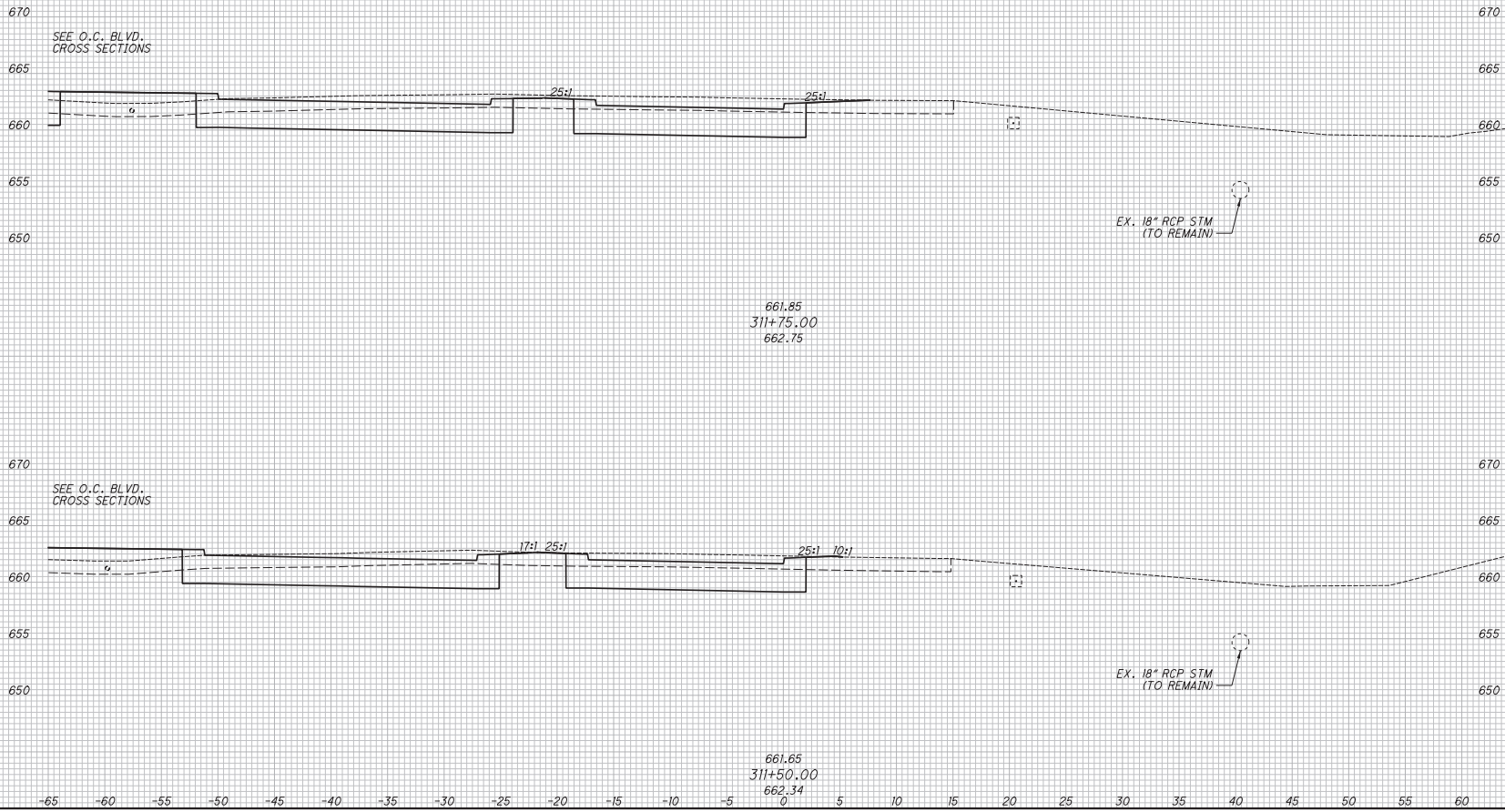
NO.	DATE	DESCRIPTION
0	2019-07-29	RFI
ISSUE RECORD		
<i>David R. Penick</i> DESCRIPTION		
CUY-IR490 / SR1010- 2.09 / 19.28		
162 303		

SEEDING	
END WIDTH	SO. YDS.



END AREA		VOLUME		CALCULATED		CHECKED							
CUT	FILL	CUT	FILL	JTH	SM	JTH	SM						
RELEASED FOR CONSTRUCTION													
CROSS SECTIONS - RAMP S-E STA. 311+00.00 TO STA. 311+25.00													
CUI-IR490 / SR010- 2.09 / 19.28													
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NO.	DATE	ISSUE RECORD											
0	2019-07-29	RFI David R. Penhatch											
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163													
303													

SEEDING	
END WIDTH	SO. YDS.



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

RELEASED
 FOR CONSTRUCTION
 CROSS SECTIONS - RAMP S-E
 STA. 311+50.00 TO STA. 311+75.00

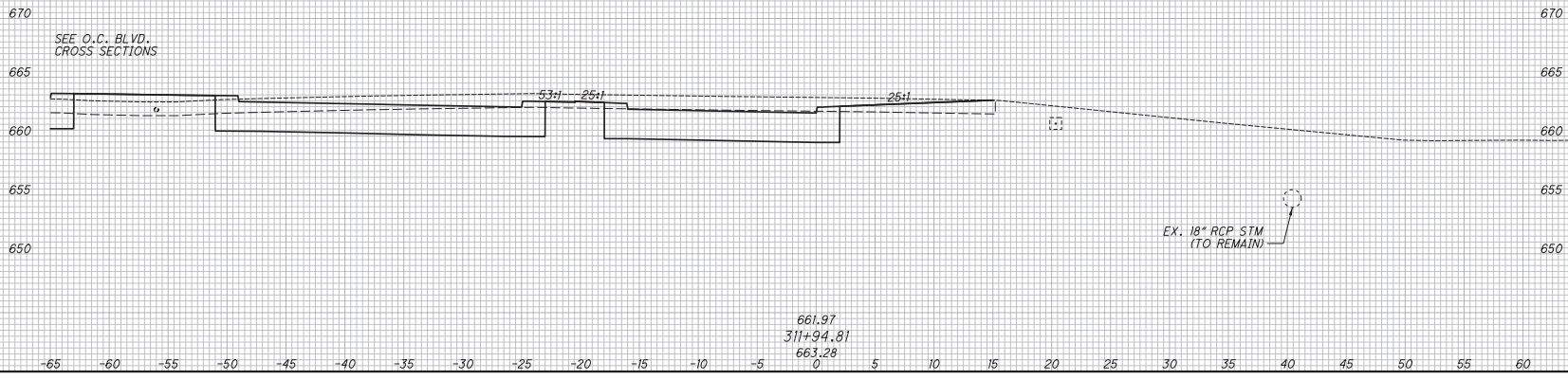
NO.	DATE	DESCRIPTION	ISSUE RECORD
0	2019-07-29	RFI	David R. Penick

CUY-IR490 / SR010-
 2.09 / 19.28

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303

SEEDING	
END WIDTH	SO. YDS.

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM



661.97
 311+94.81
 663.28
 0

EX. 18" RCP STM
 (TO REMAIN)

RELEASED FOR CONSTRUCTION

David R. Penick
 DESCRIPTION

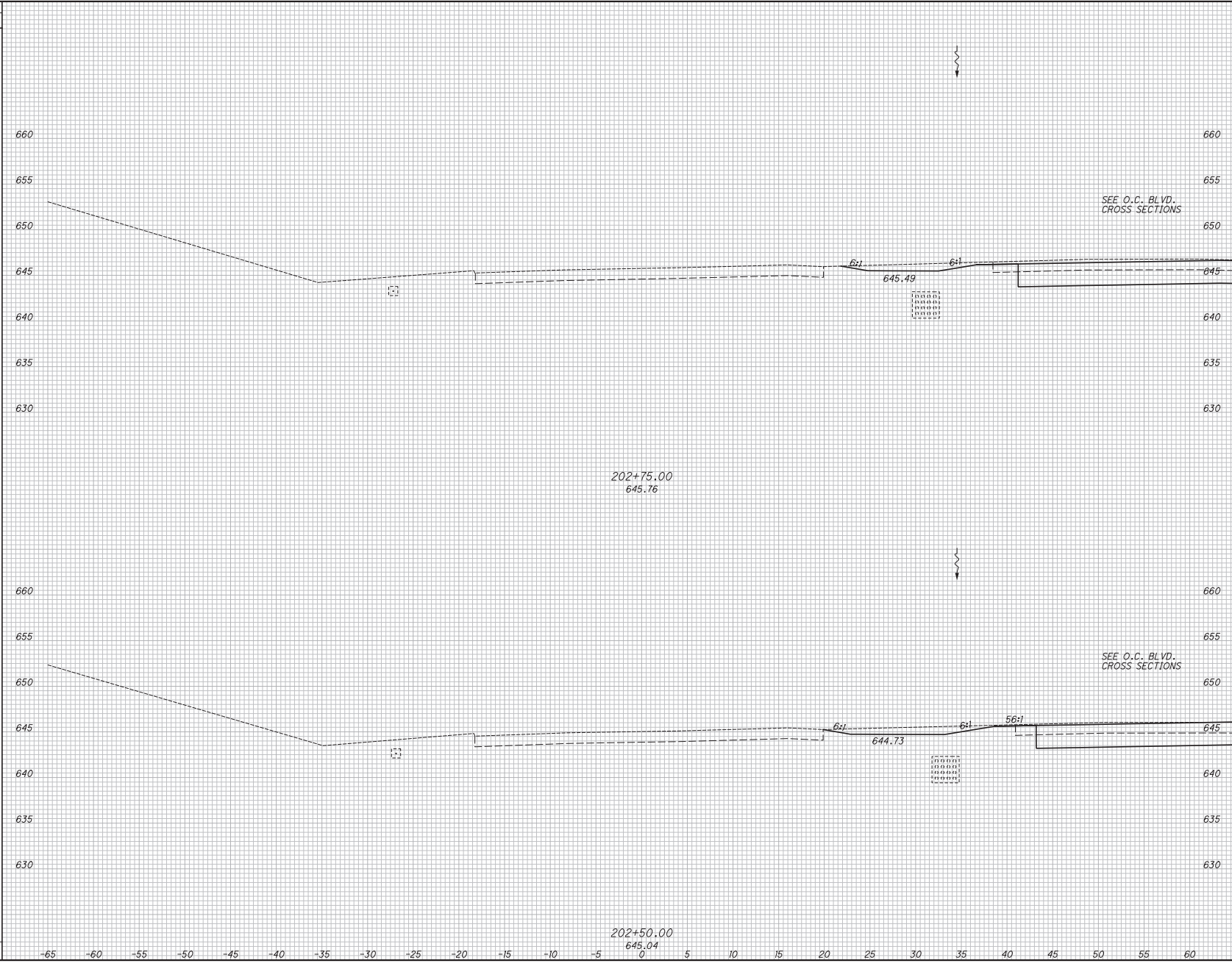
ISSUE RECORD

CUY-IR490 / SR010-
 2.09 / 19.28

165
 303

CROSS SECTIONS - RAMP S-E
 STA. 311+94.81

SEEDING	
END WIDTH	SO. YDS.



NO.	DATE	DESCRIPTION	ISSUE RECORD		CALCULATED JTH	CHECKED SM
			CUT	FILL		
0	2019-07-29	RFI David R. Penick				

END AREA	VOLUME
CUT	FILL

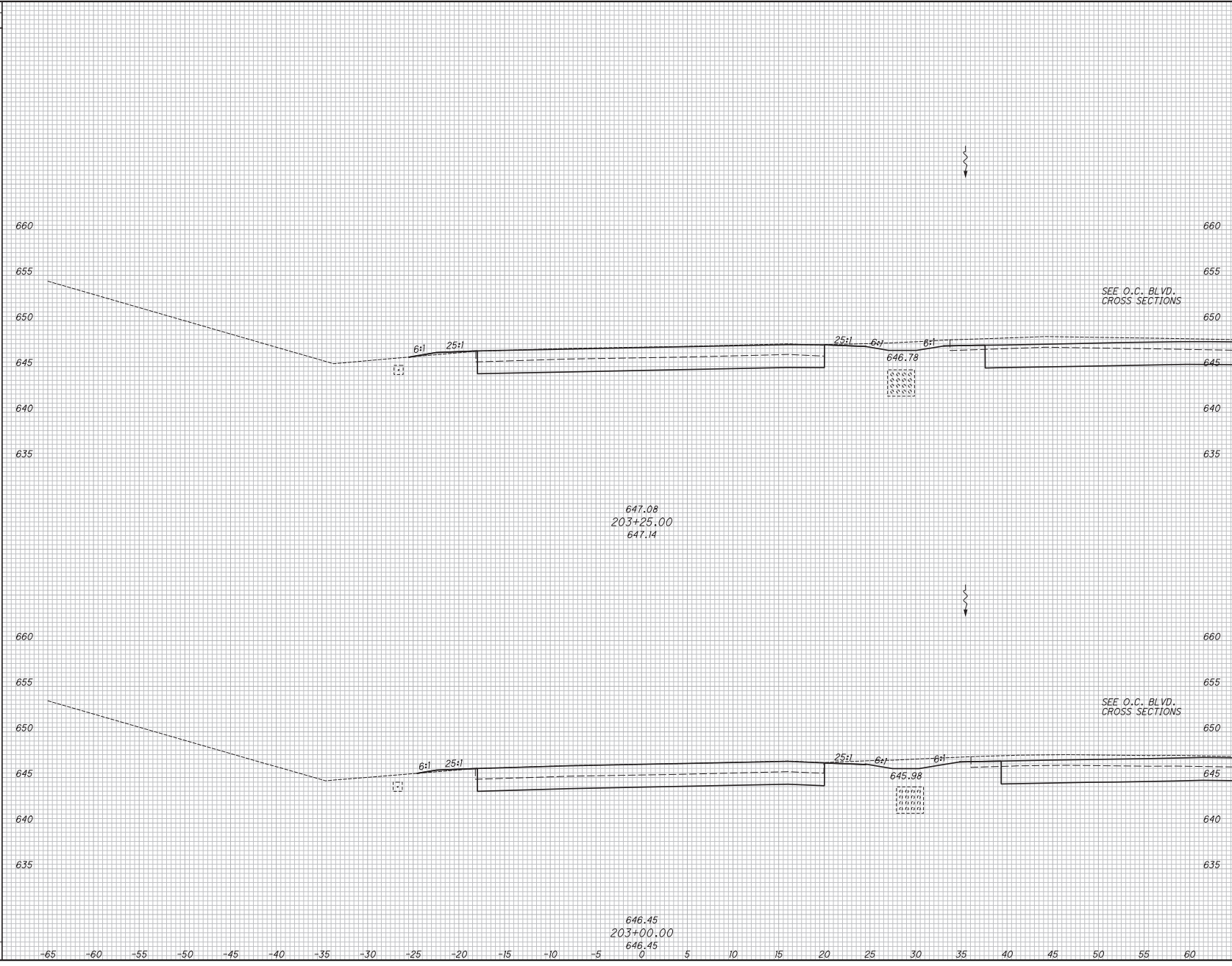
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CROSS SECTIONS - RAMP E-N
 STA. 202+50.00 TO STA. 202+75.00

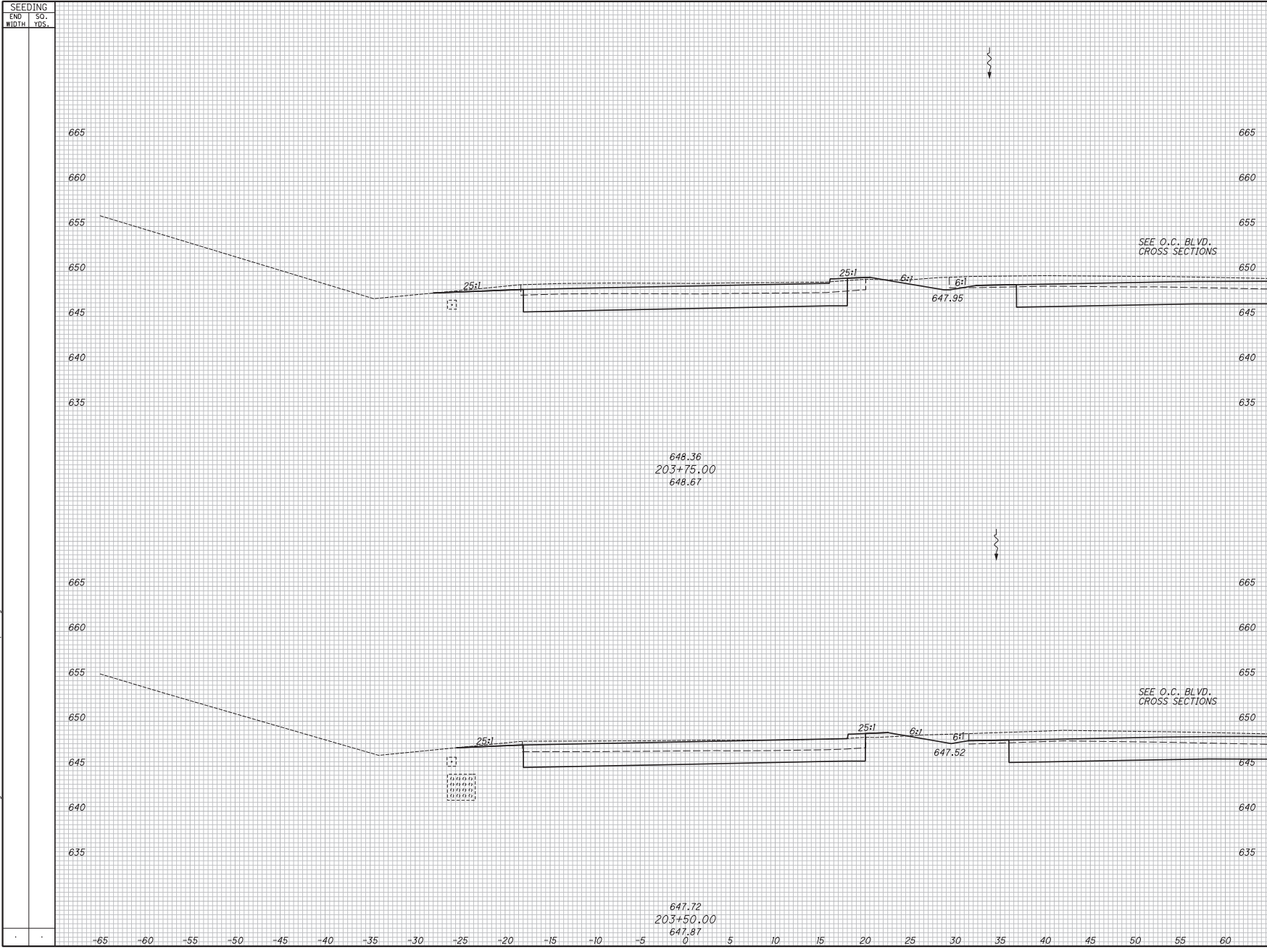
CUY-IR490 / SR010-
 2.09 / 19.28

166
 303

SEEDING	
END WIDTH	SO. YDS.



END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM
RELEASED					
FOR CONSTRUCTION					
CROSS SECTIONS - RAMP E-N					
STA. 203+00.00 TO STA. 203+25.00					
NO.		DATE		ISSUE RECORD	
0		2019-07-29		RFC David R. Penhatch	
DESCRIPTION					
CUY-IR490 / SR010-					
2.09 / 19.28					
167 303					



SEEDING		END AREA		VOLUME		CALCULATED		CHECKED	
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	JTH	SM	SM	SM

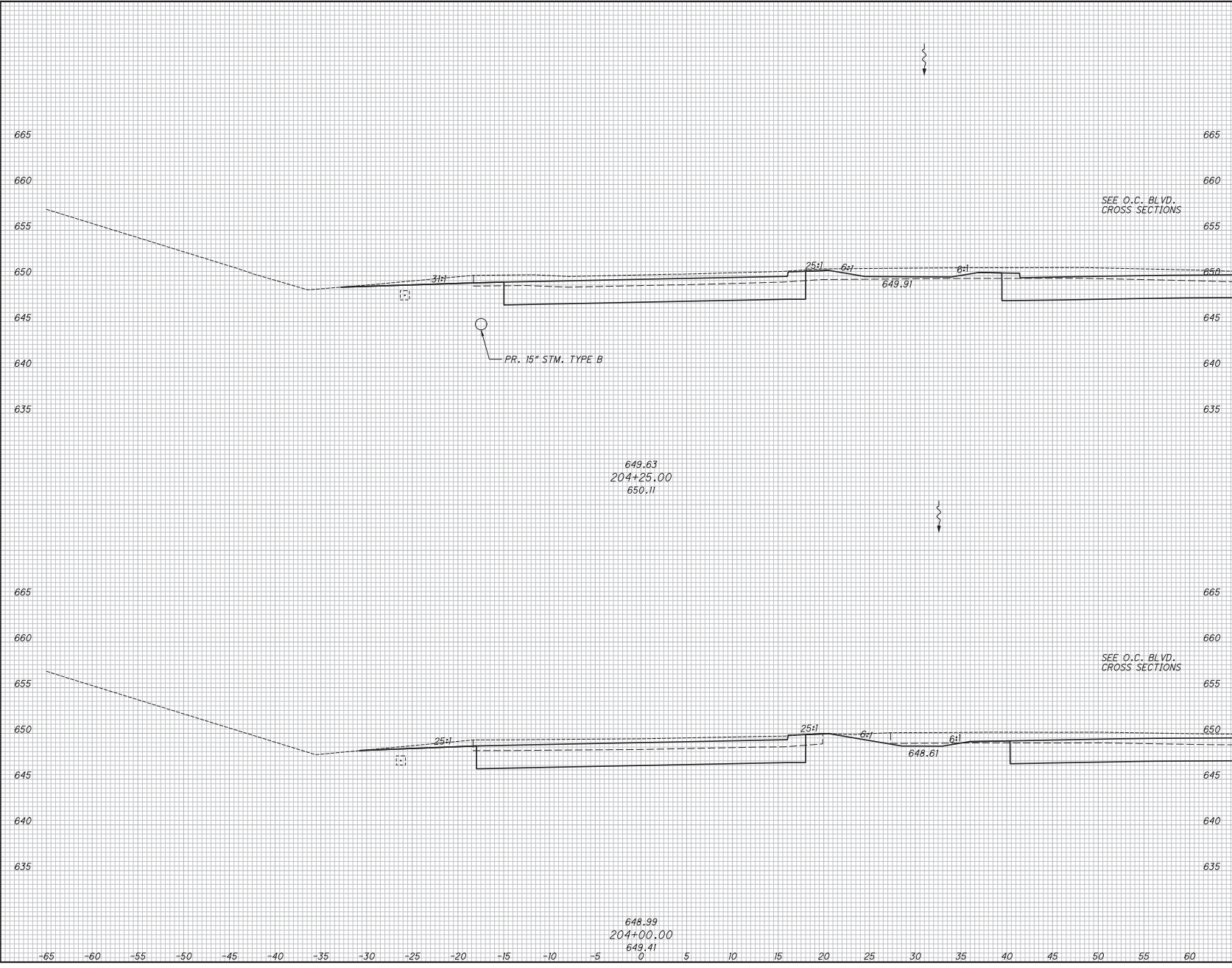
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ISSUE RECORD			

CUY-IR490 / SR1010- 2.09 / 19.28	
168 303	

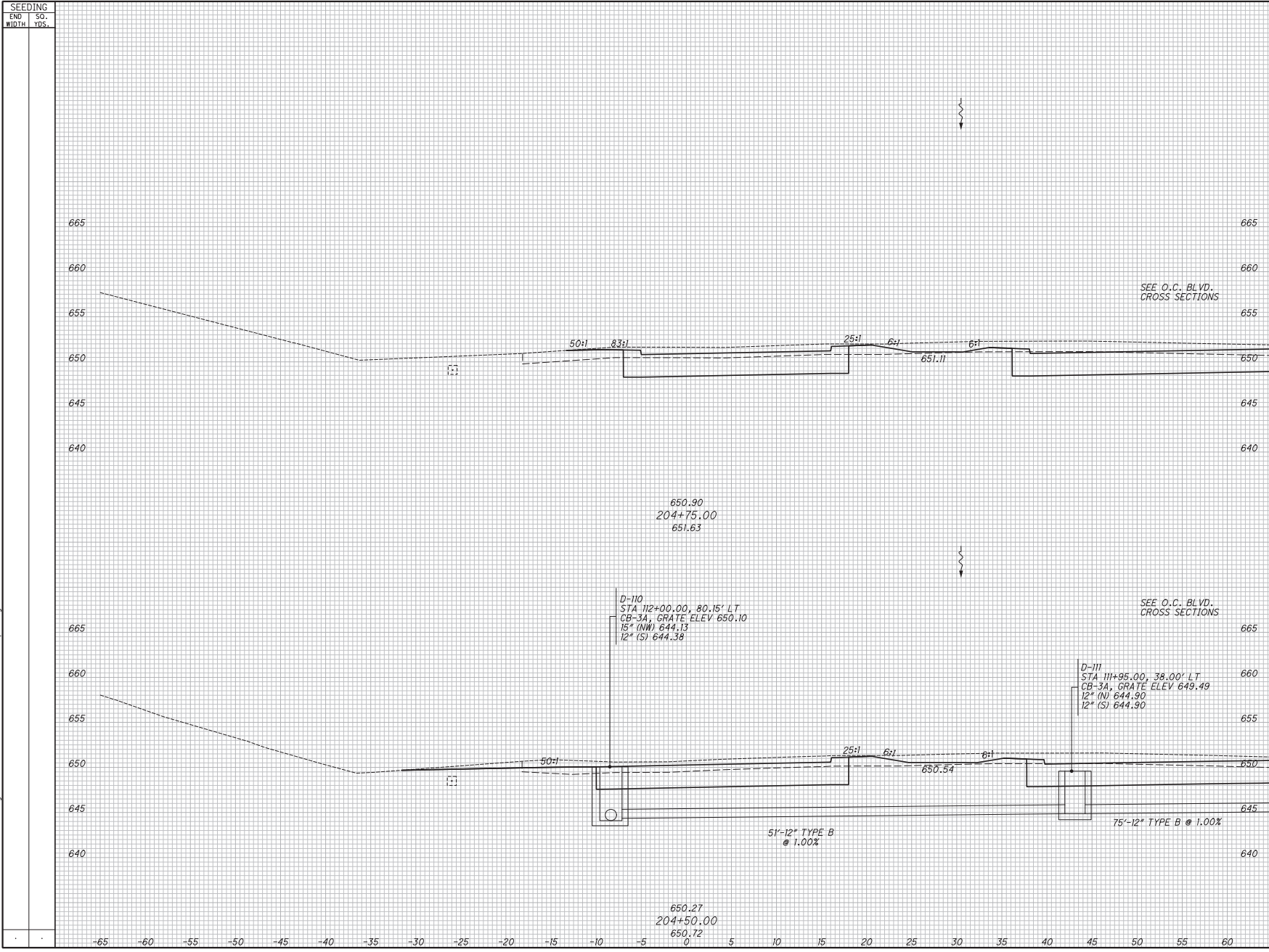
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CROSS SECTIONS - RAMP E-N
 STA. 203+50.00 TO STA. 203+75.00

SEEDING	
END WIDTH	SO. YDS.



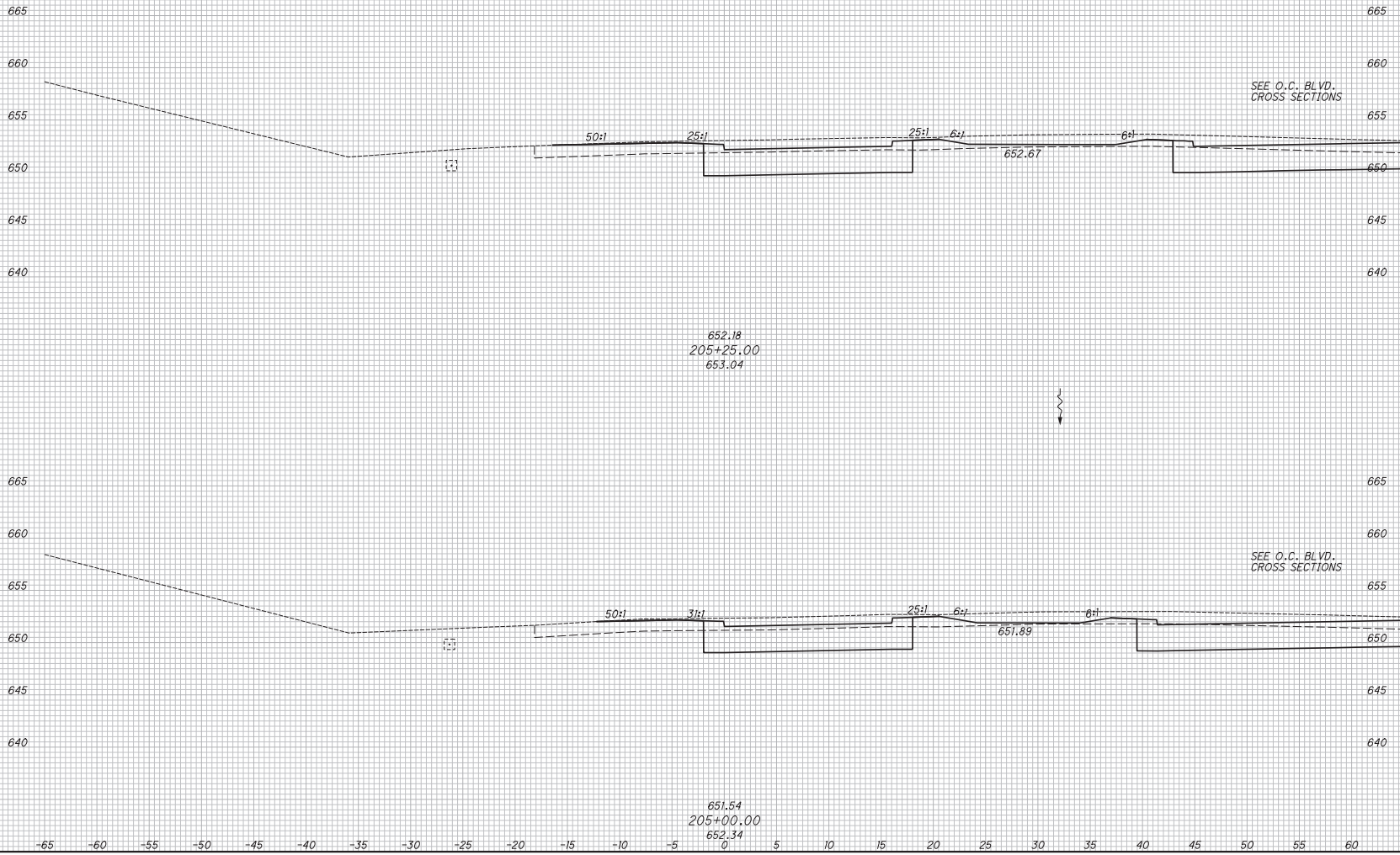
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FOR CONSTRUCTION					
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STA. 204+00.00 TO STA. 204+25.00					
NO.		DATE		DESCRIPTION	
0	2019-07-29	RF	David R. Penhatch	ISSUE RECORD	
CUY-IR490 / SR010-					
2.09 / 19.28					
				169 303	



NO.	DATE	DESCRIPTION	END AREA		VOLUME		CALCULATED JTH	CHECKED SM
			CUT	FILL	CUT	FILL		
0	2019-07-29	RFI <i>David R. Penhatch</i>						
ISSUE RECORD								
CUY-IR490 / SR1010 - CROSS SECTIONS - RAMP E-N STA. 204+50.00 TO STA. 204+75.00								
2.09 / 19.28								

RELEASED
 FOR CONSTRUCTION

SEEDING	
END WIDTH	SO. YDS.



END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM

RELEASED

FOR CONSTRUCTION

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

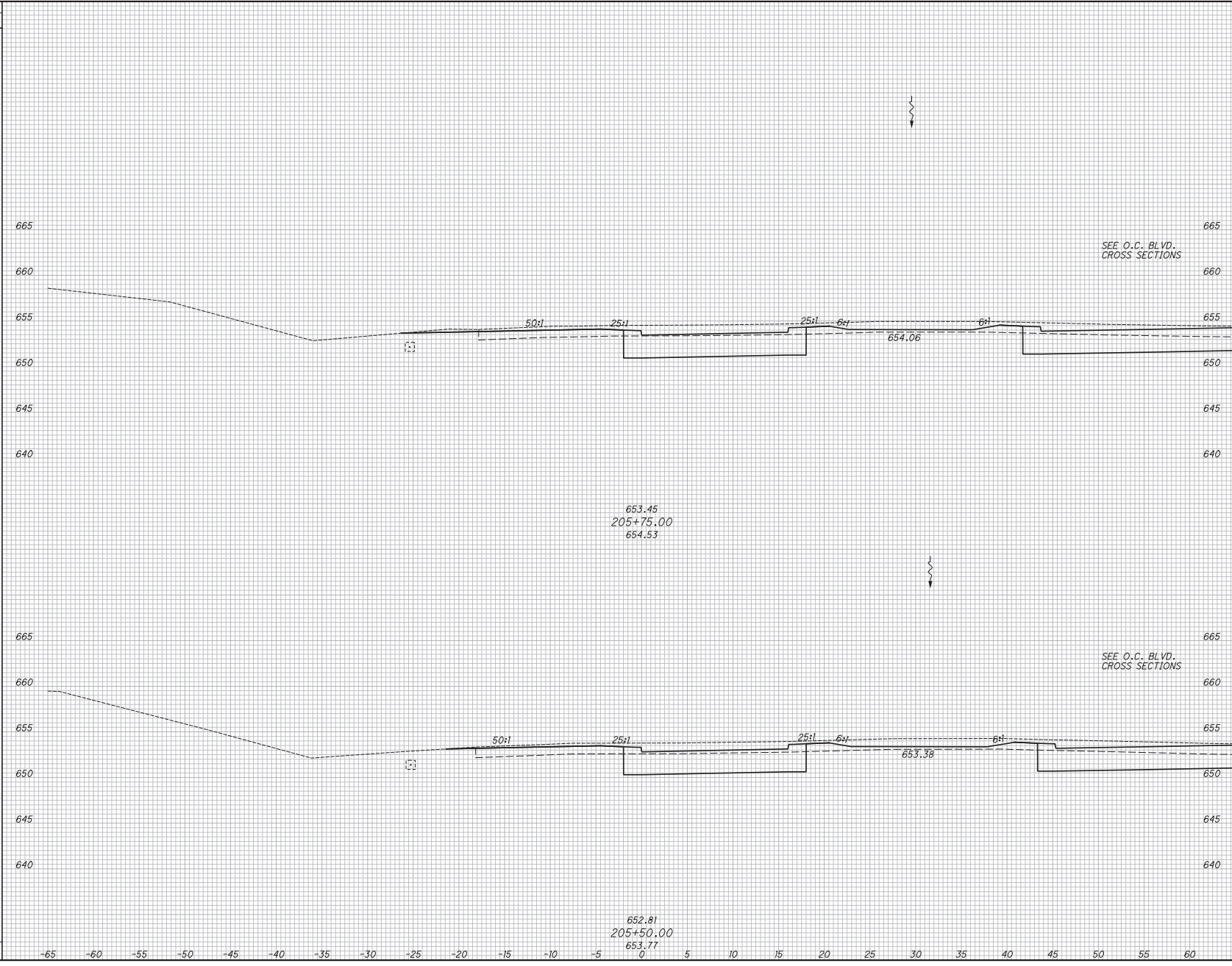
David R. Penhax
 DESCRIPTION
 ISSUE RECORD

NO.	DATE	DESCRIPTION
0	2019-07-29	RFC

CUY-IR490 / SR010-
 2.09 / 19.28

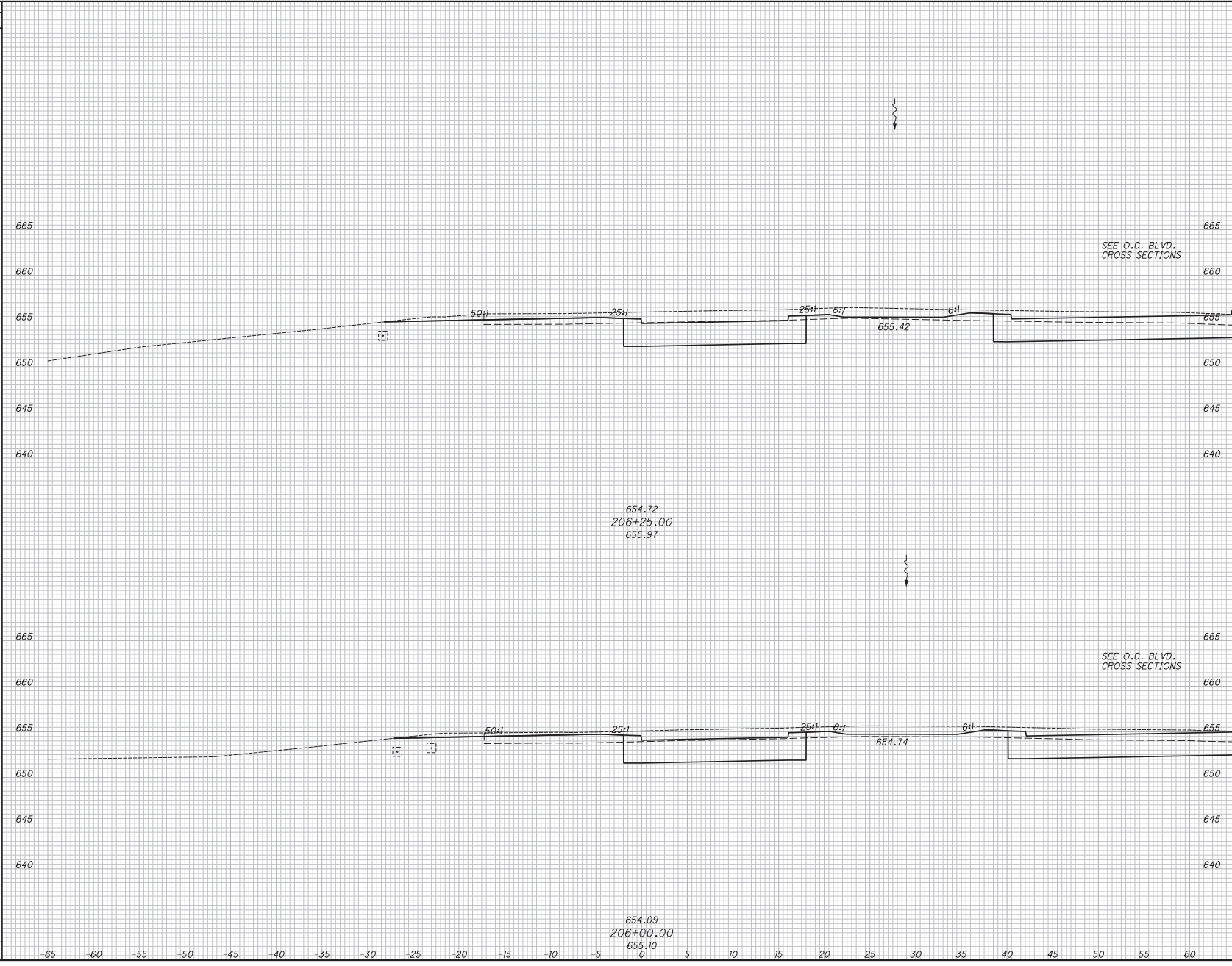
171
 303

SEEDING	
END WIDTH	SO. YDS.

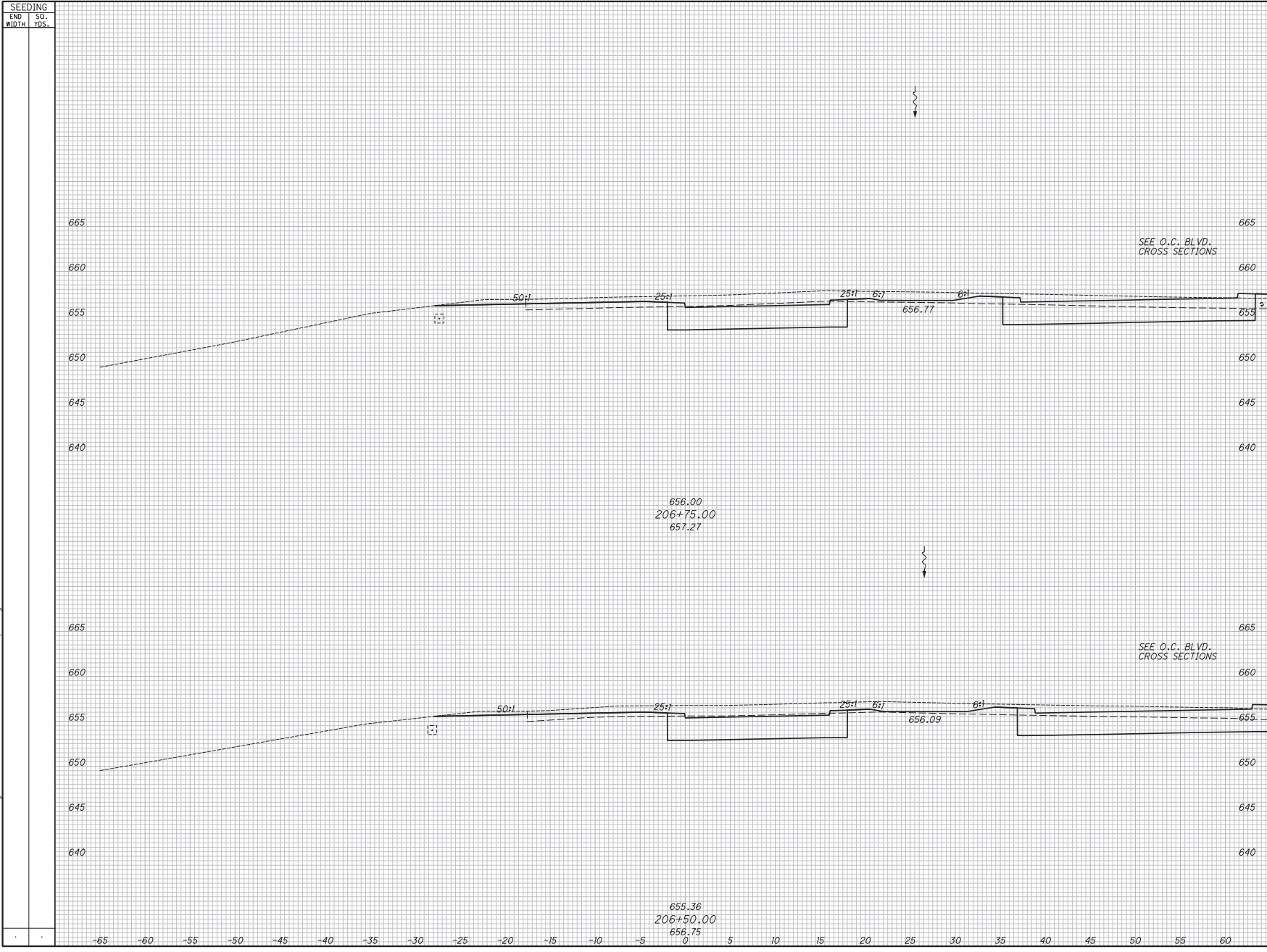


END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM
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NO. DATE		DESCRIPTION		ISSUE RECORD	
0	2019-07-29	RF	David R. Penhatch		
<p>CUY-IR490 / SR010-</p> <p>2.09 / 19.28</p>					
				172	303

SEEDING	
END WIDTH	SO. YDS.



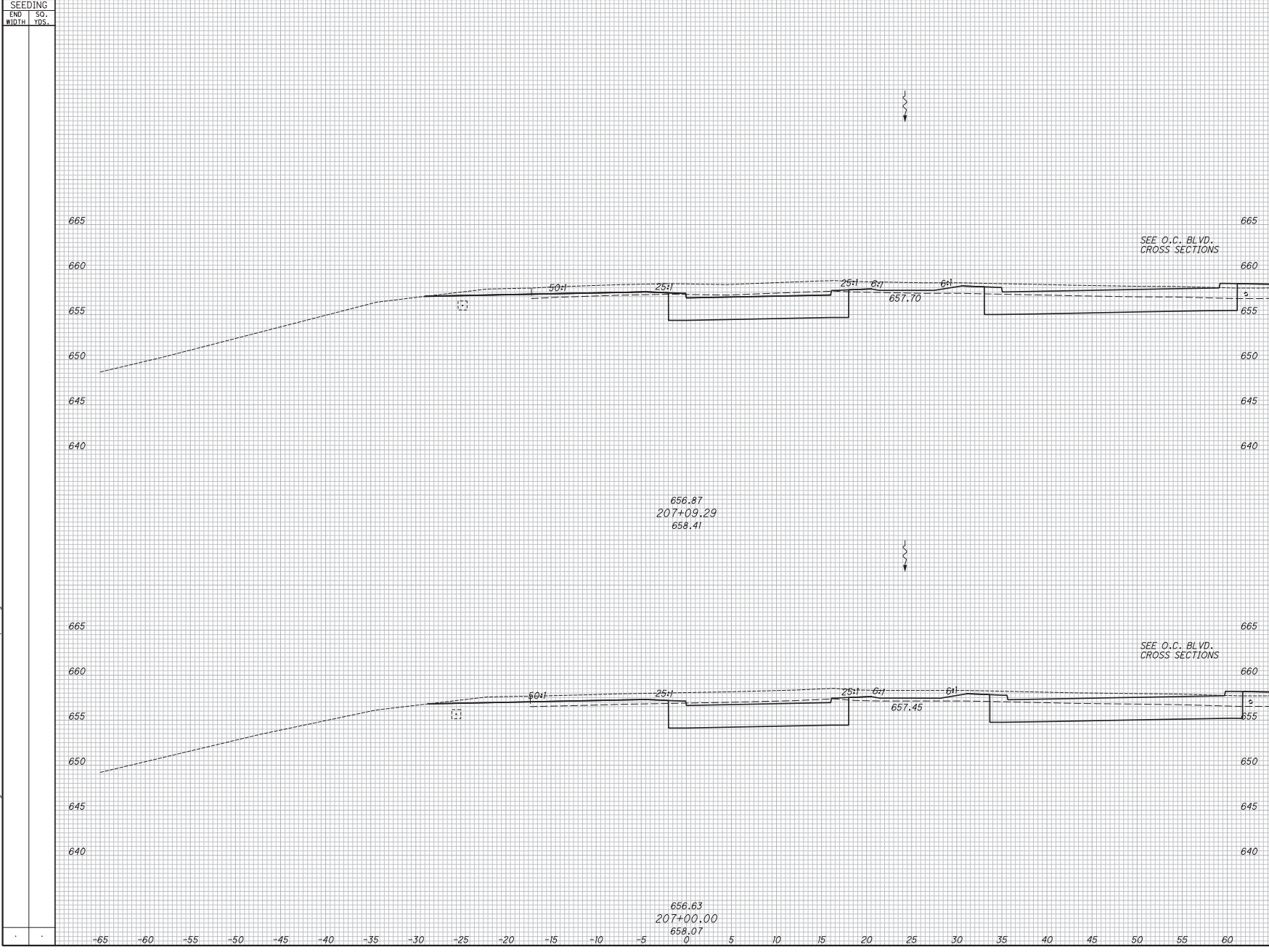
END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM
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FOR CONSTRUCTION					
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STA. 206+00.00 TO STA. 206+25.00					
NO.		DATE		DESCRIPTION	
0		2019-07-29		RFC	
				David R. Penick	
ISSUE RECORD					
CUY-IR490 / SR010-					
2.09 / 19.28					
				173 303	



SEEDING		END AREA		VOLUME		CALCULATED		CHECKED	
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	JTH	SM	SM	SM

NO.		DATE	DESCRIPTION
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ISSUE RECORD			
CUY-IR490 / SR010 - CROSS SECTIONS - RAMP E-N STA. 206+50.00 TO STA. 206+75.00 2.09 / 19.28			
174		303	

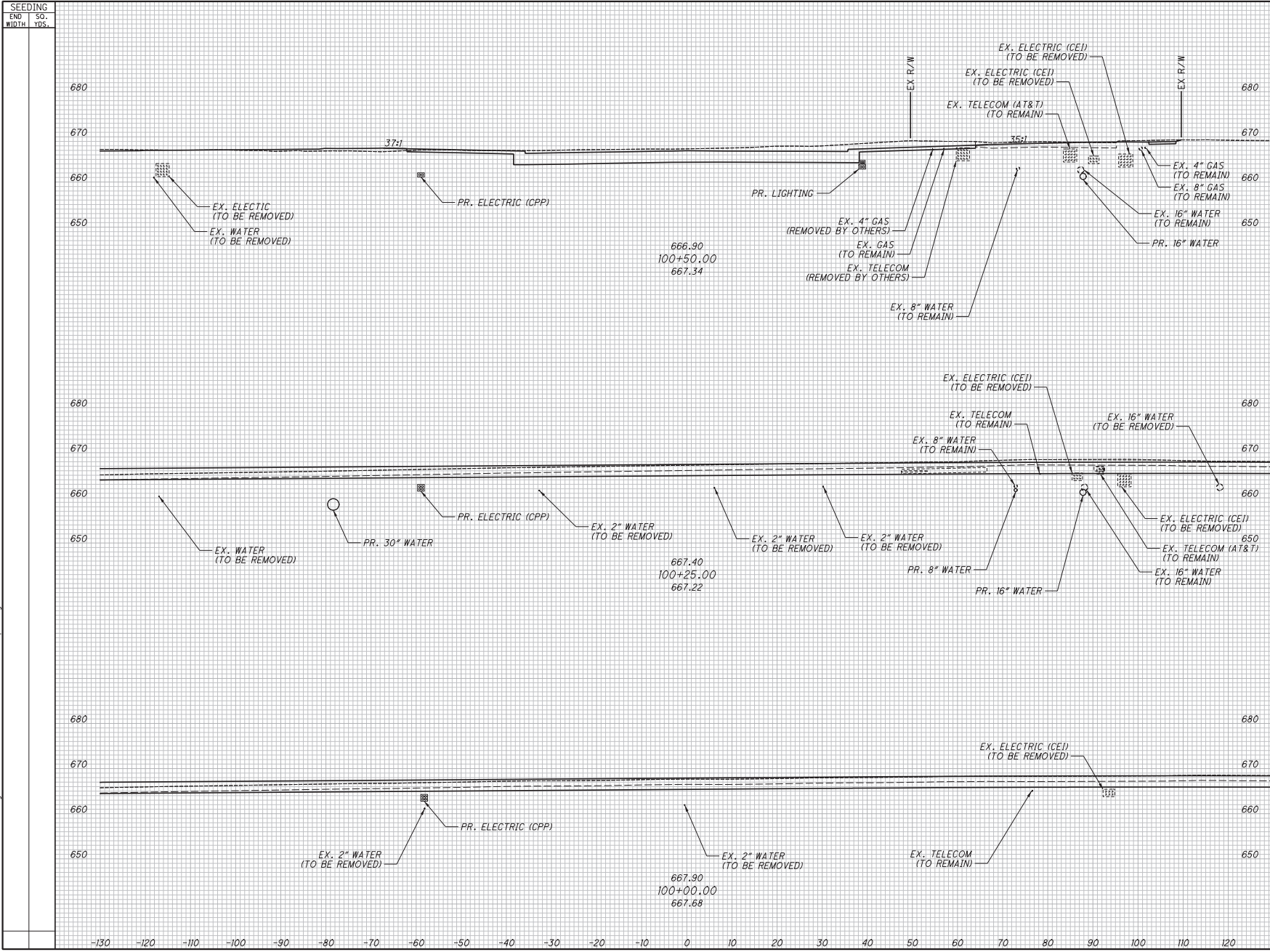
RELEASED
 FOR CONSTRUCTION



NO.	DATE	DESCRIPTION	VOLUME		CHECKED	SM
			CUT	FILL		
0	2019-07-29	RFC				
ISSUE RECORD						
CUY-IR490 / SR010-						
2.09 / 19.28						
175 303						

RELEASED FOR CONSTRUCTION

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



NO.	DATE	RFC	DESCRIPTION	ISSUE RECORD		CALCULATED JTH	CHECKED SM
				CUT	FILL		
0	2019-07-29	RF	David R. Penhatch				

END AREA	VOLUME	
	CUT	FILL

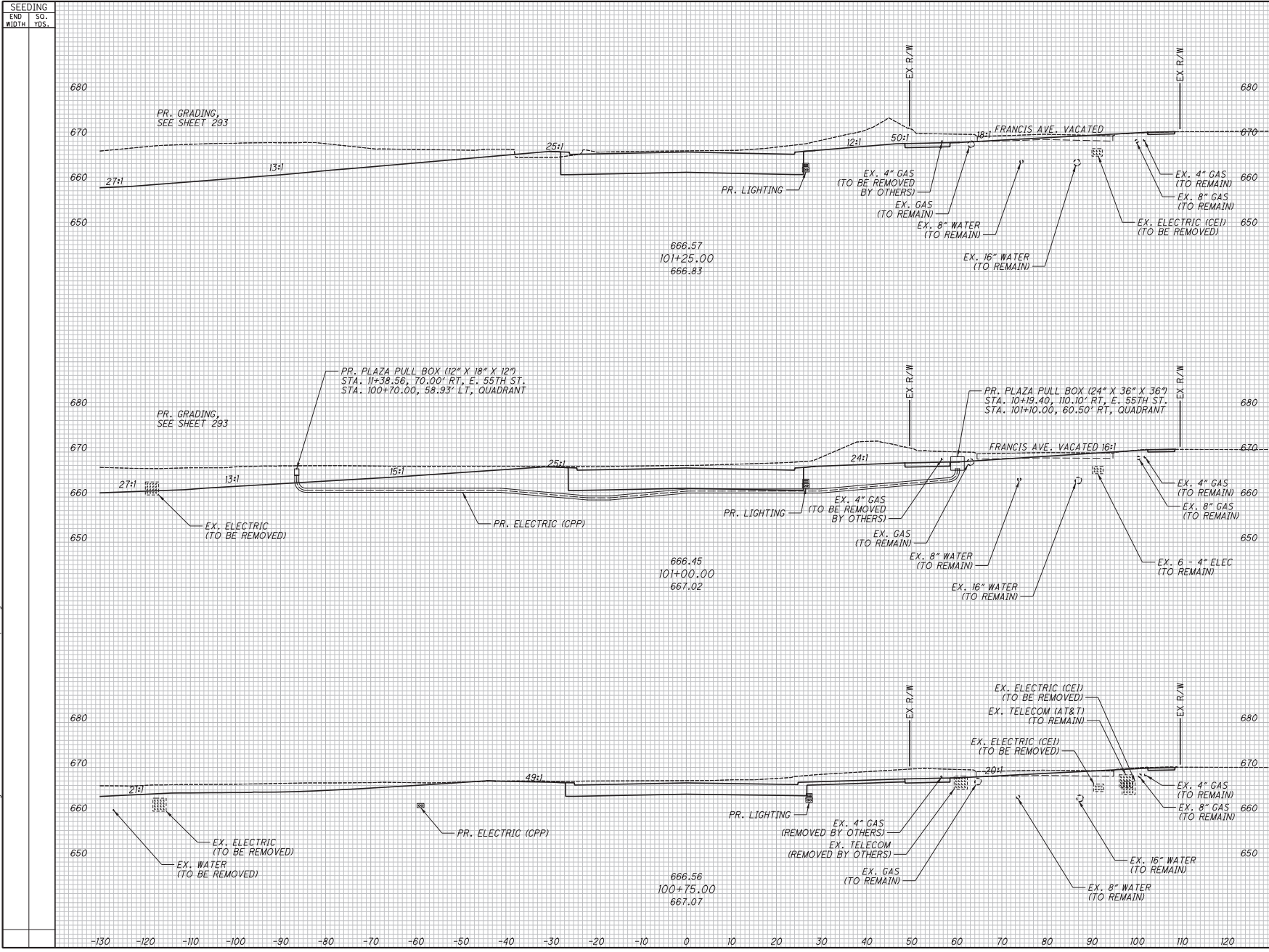
RELEASED

FOR CONSTRUCTION

**CROSS SECTIONS - QUADRANT RD.
 STA. 100+00.00 TO STA. 100+50.00**

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

(176 / 303)



NO.	DATE	DESCRIPTION	ISSUE RECORD		CALCULATED JTH	CHECKED SM
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0	2019-07-29	RFI	David X. Penhatch			

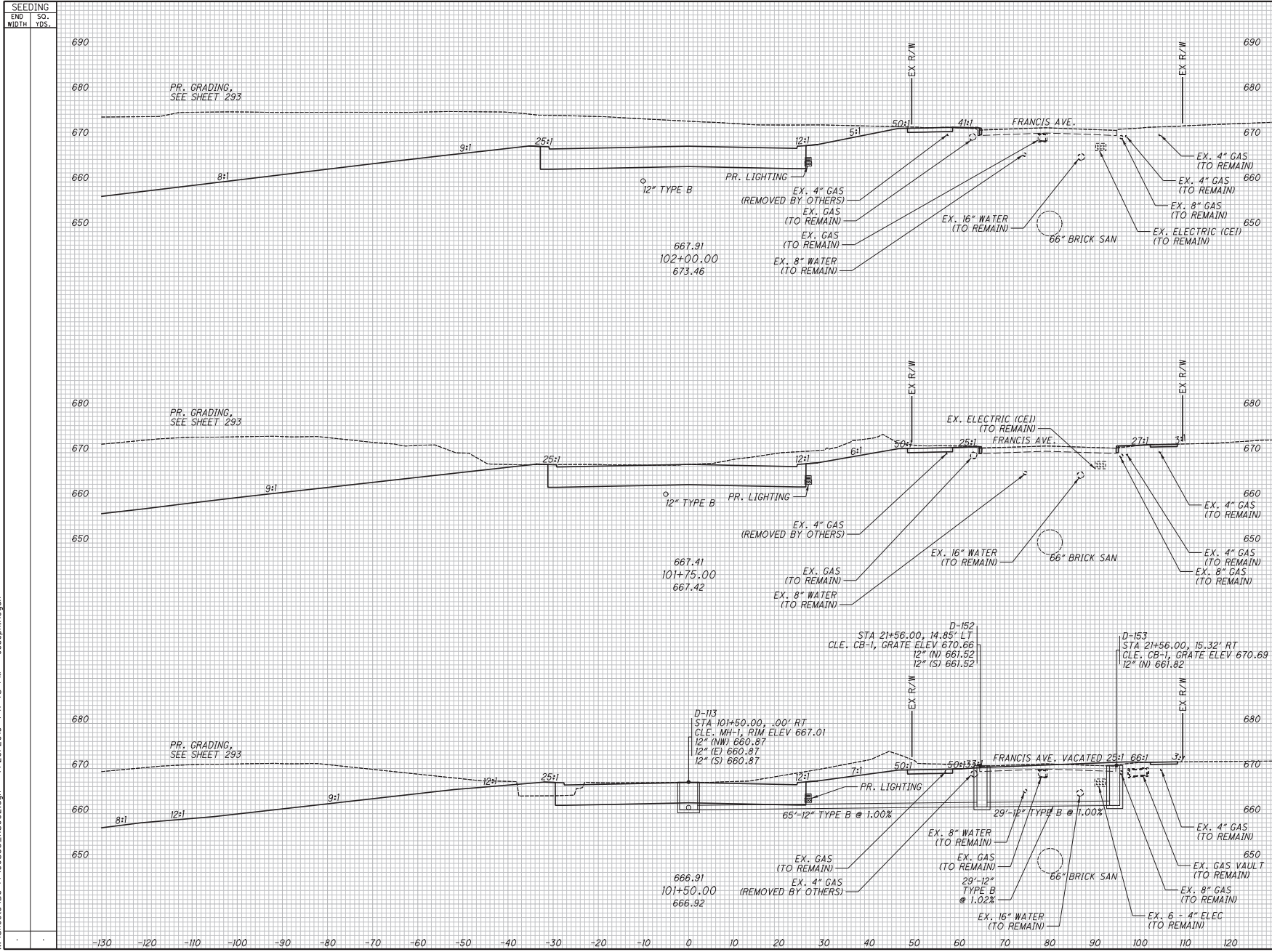
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		CUT	FILL

177	303
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RELEASED
 FOR CONSTRUCTION

CROSS SECTIONS - QUADRANT RD.
 STA. 100+75.00 TO STA. 101+25.00

CUY-IR490/SR010-
 2.09 / 19.28



NO.	DATE	RFC	DESCRIPTION	ISSUE RECORD		CALCULATED JTH	CHECKED SM
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0	2009-07-29	RF	David R. Penhatch				

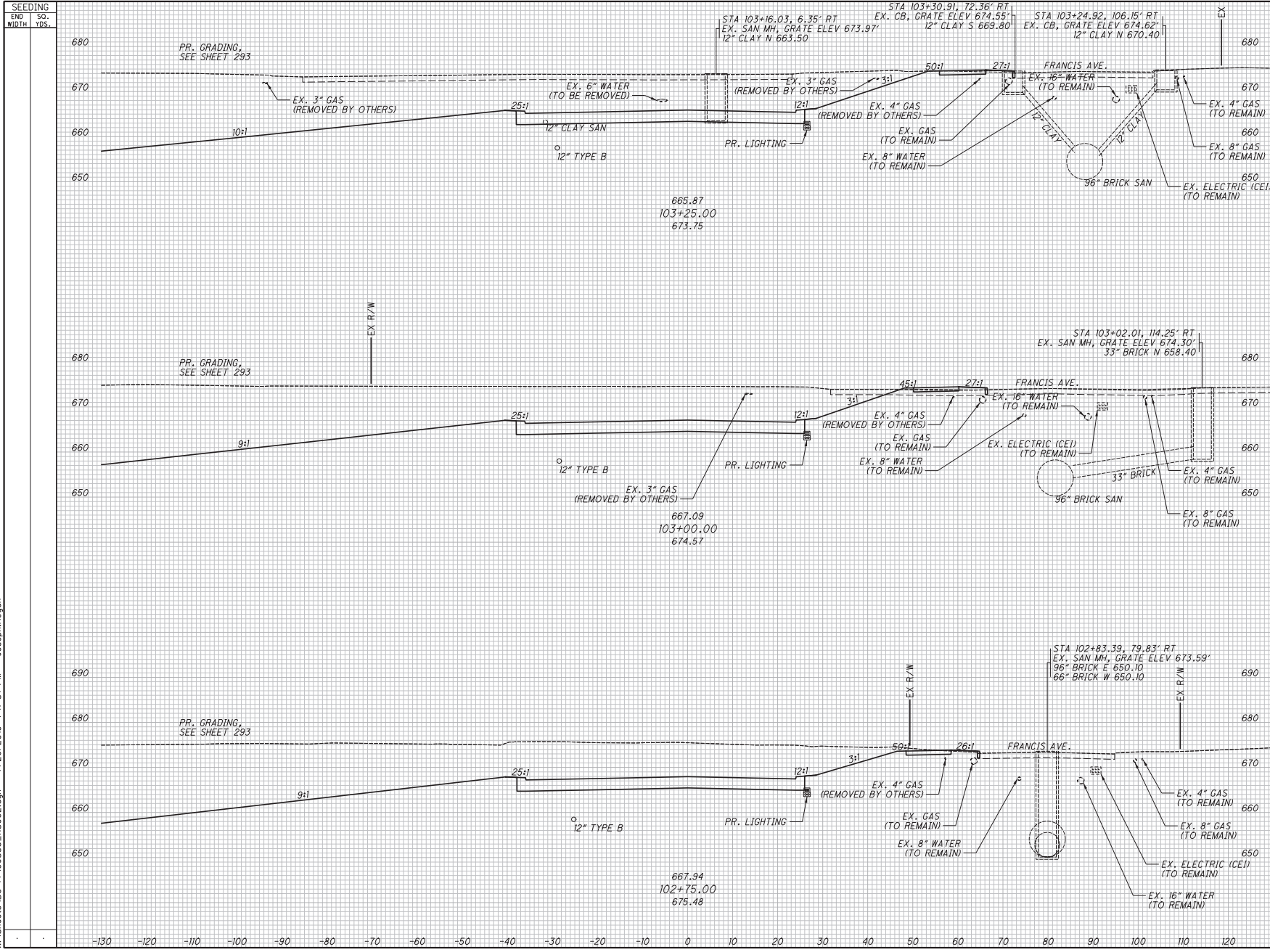
END AREA		VOLUME	
CUT	FILL	CUT	FILL

178
303

RELEASED
 FOR CONSTRUCTION

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

CUY-IR490/SR010-
 2.09 / 19.28



NO.	DATE	DESCRIPTION	ISSUE RECORD	
			DATE	DESCRIPTION
0	2009-07-29	RFI	David R. Penhatch	

END AREA		VOLUME		CALCULATED JTH	CHECKED SM
CUT	FILL	CUT	FILL		

180
303

RELEASED
 FOR CONSTRUCTION
 CROSS SECTIONS - QUADRANT RD.
 STA. 102+75.00 TO STA. 103+25.00

CUY-IR490/SR010-
 2.09 / 19.28

SEEDING	SO.
END	YDS.
WIDTH	

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

RELEASED FOR CONSTRUCTION

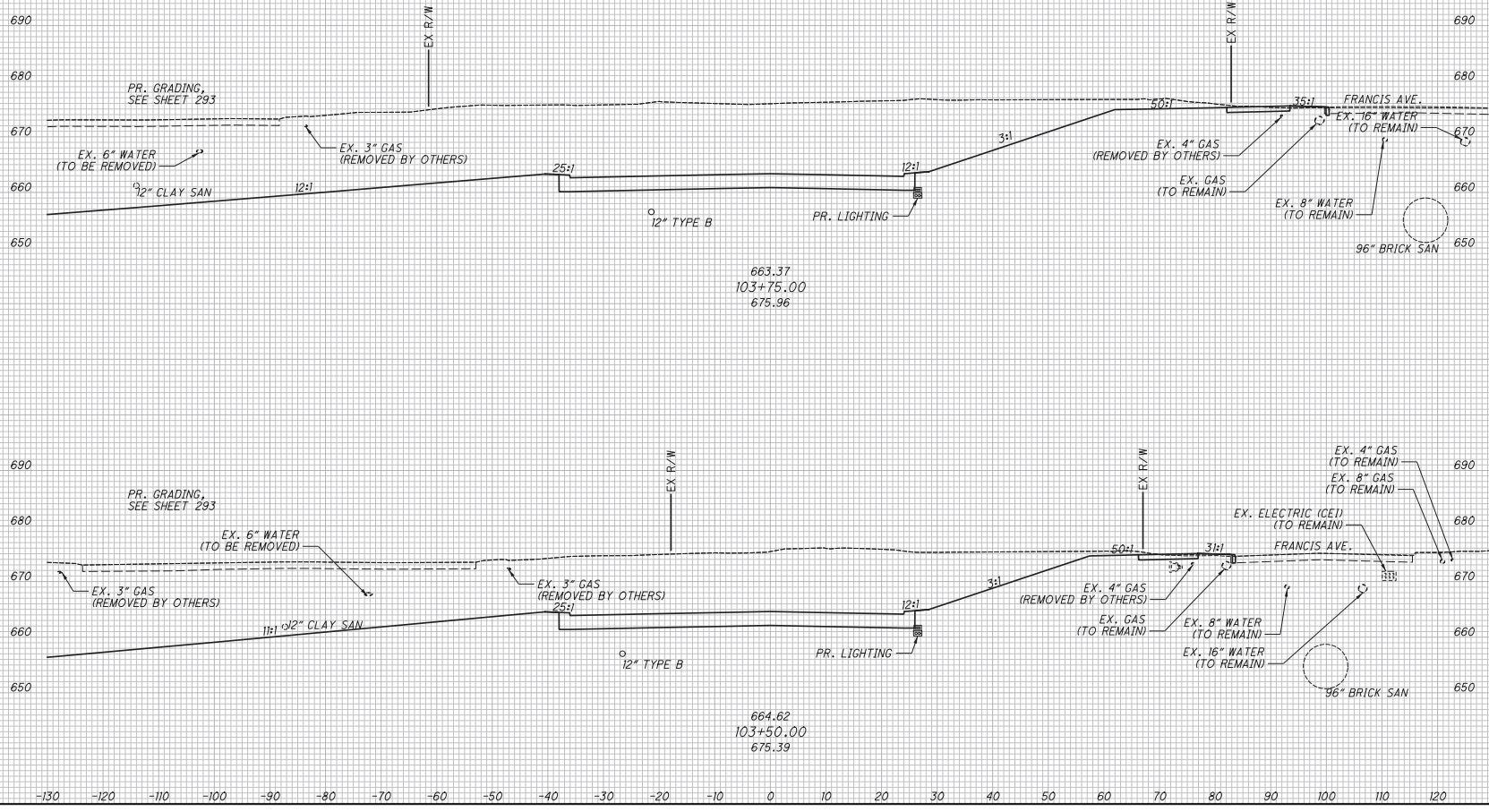
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 STA. 103+50.00 TO STA. 103+75.00

CUY-IR490/SR010-
 2.09 / 19.28

181
303

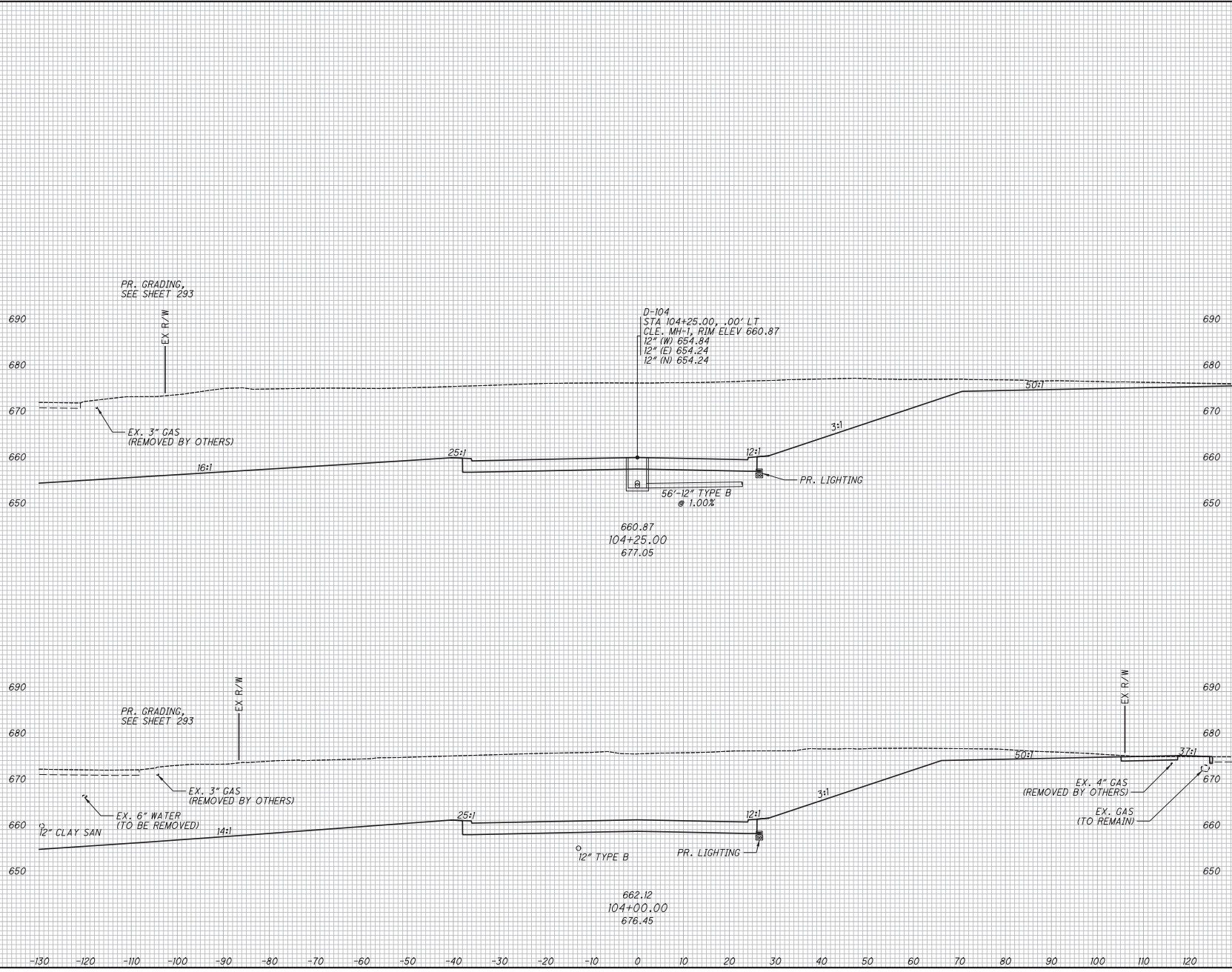
ISSUE RECORD

NO.	DATE	DESCRIPTION
0	2019-07-29	RFC <i>David R. Penhatch</i>



SEEDING	
END WIDTH	SO. YDS.

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM



RELEASED FOR CONSTRUCTION

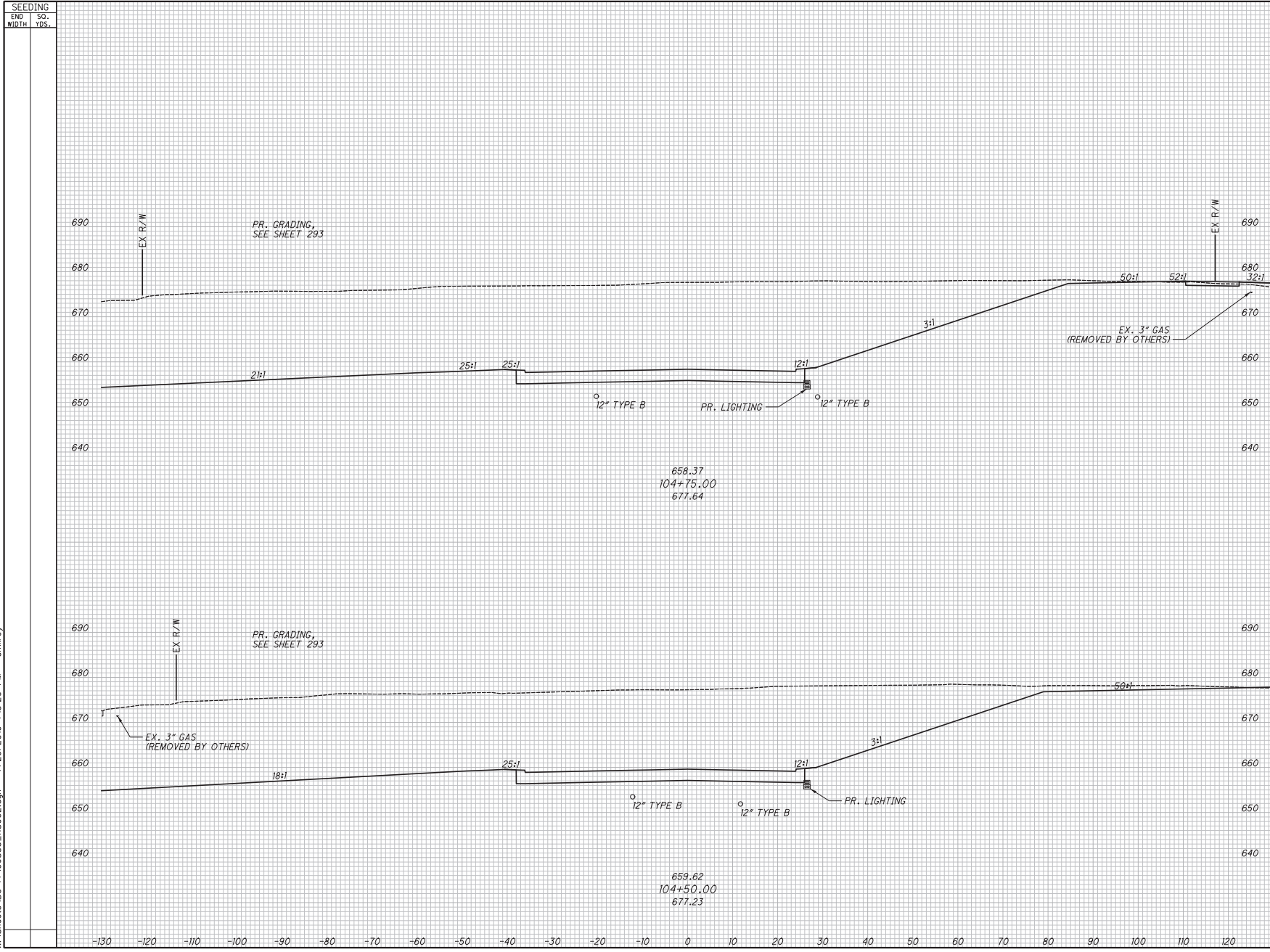
CROSS SECTIONS - QUADRANT RD.
 STA. 104+00.00 TO STA. 104+25.00

ISSUE RECORD
 NO. DATE DESCRIPTION

0 2009-07-29 RFC David R. Penhatch

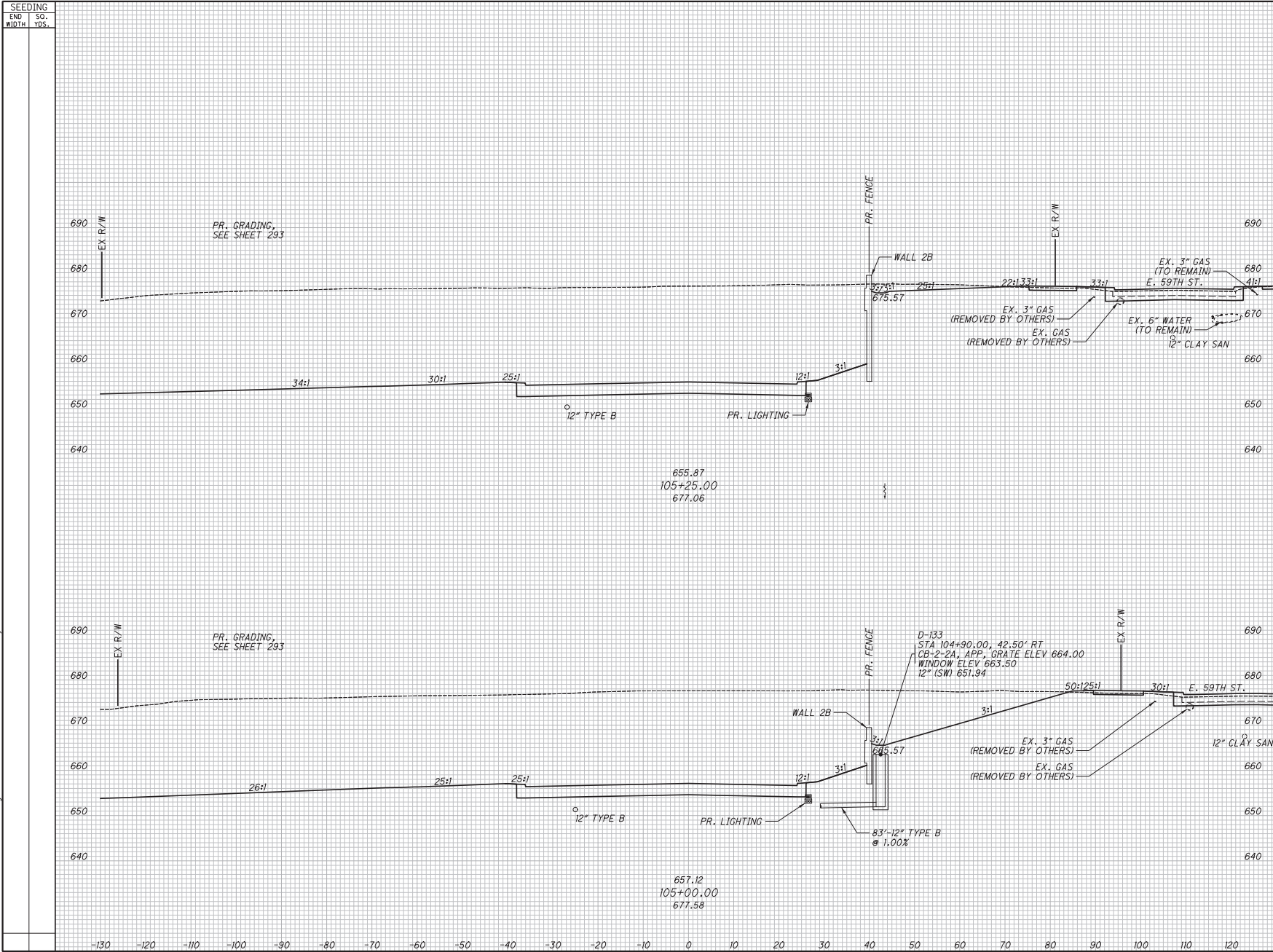
CUY-IR490/SR010-
 2.09 / 19.28

182
 303



NO.	DATE	DESCRIPTION	END AREA		VOLUME		CALCULATED JTH	CHECKED SM
			CUT	FILL	CUT	FILL		
0	2009-07-29	RFI						
		David R. Penick						
		ISSUE RECORD						
<p>CUY-IR490 / SR010 - 2.09 / 19.28</p>								
							<p>183 303</p>	

RELEASED
 FOR CONSTRUCTION
 CROSS SECTIONS - QUADRANT RD.
 STA. 104+50.00 TO STA. 104+75.00



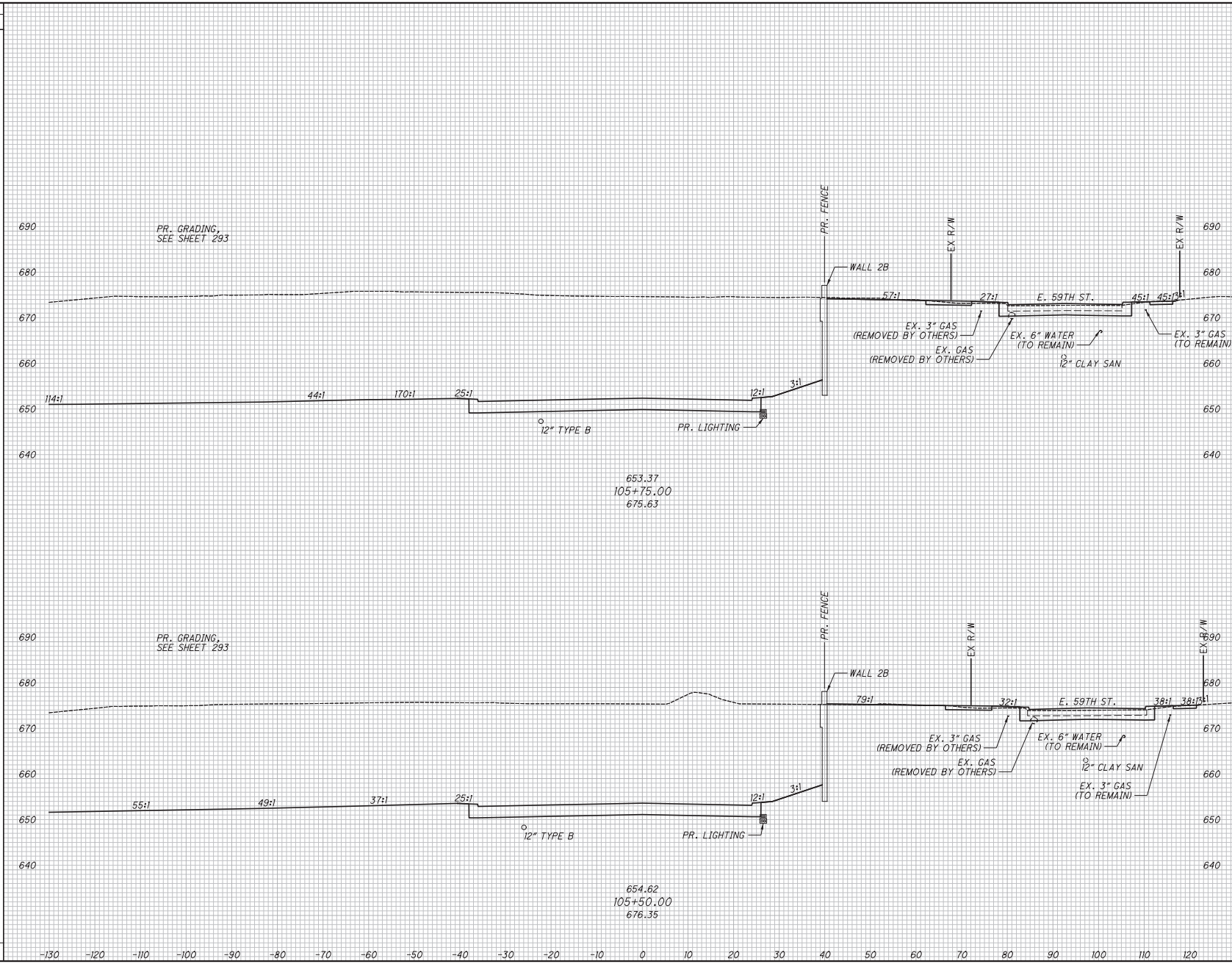
SEEDING		END AREA		VOLUME		CALCULATED		CHECKED	
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	JTH	SM	JTH	SM

0 2009-07-29 RFC NO. DATE		David R. Penchuck DESCRIPTION ISSUE RECORD
		CUY-IR490 / SR1010- 2.09 / 19.28

184 303	
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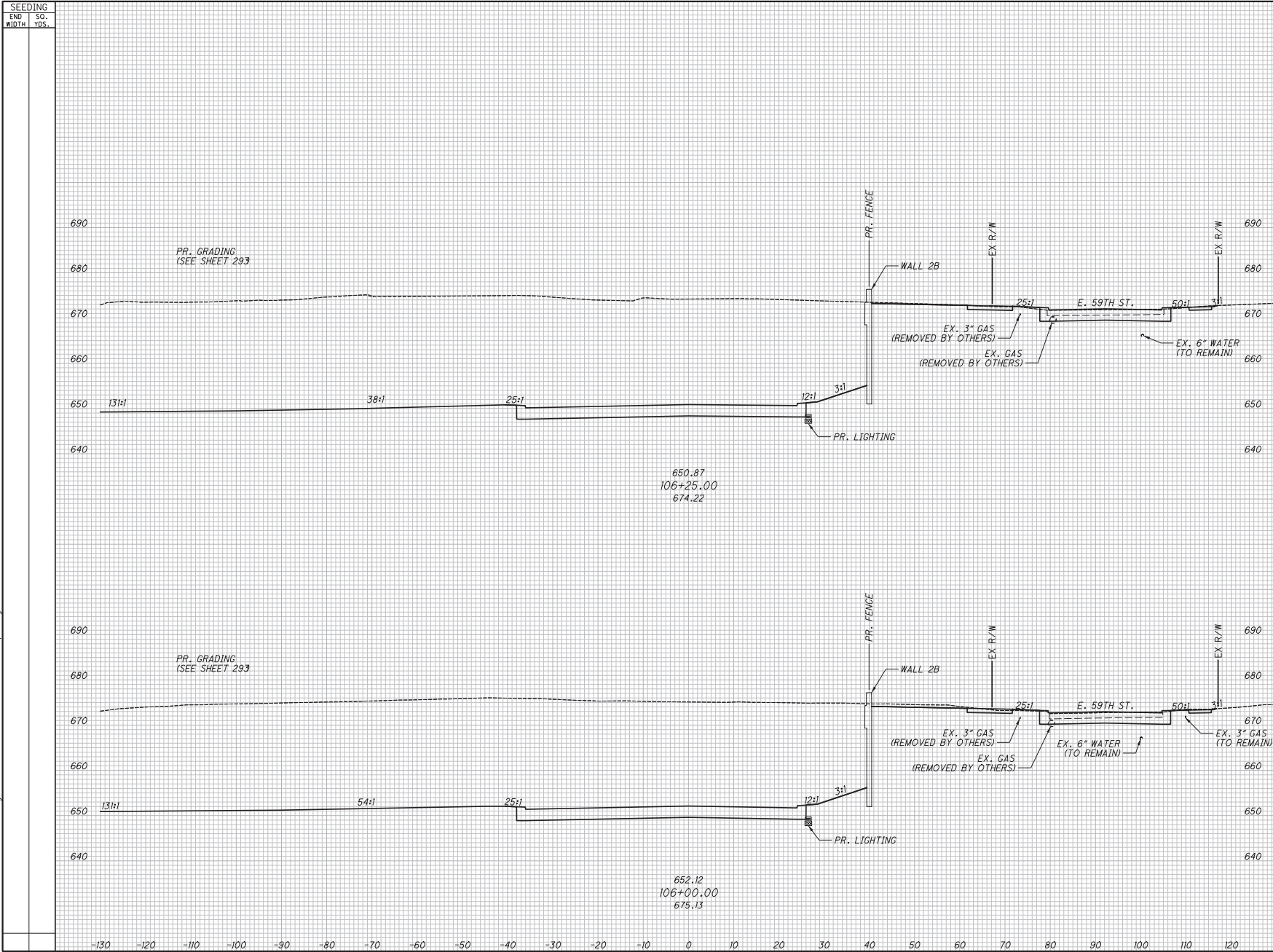
RELEASED
 FOR CONSTRUCTION
 CROSS SECTIONS - QUADRANT RD.
 STA. 105+00.00 TO STA. 105+25.00

SEEDING
END SO.
WIDTH YDS.



NO.	DATE	DESCRIPTION	END AREA		VOLUME		CALCULATED JTH	CHECKED SM
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0	2009-07-29	RFI						
		Issue Record						
CUY-IR490/SR010- 2.09 / 19.28								

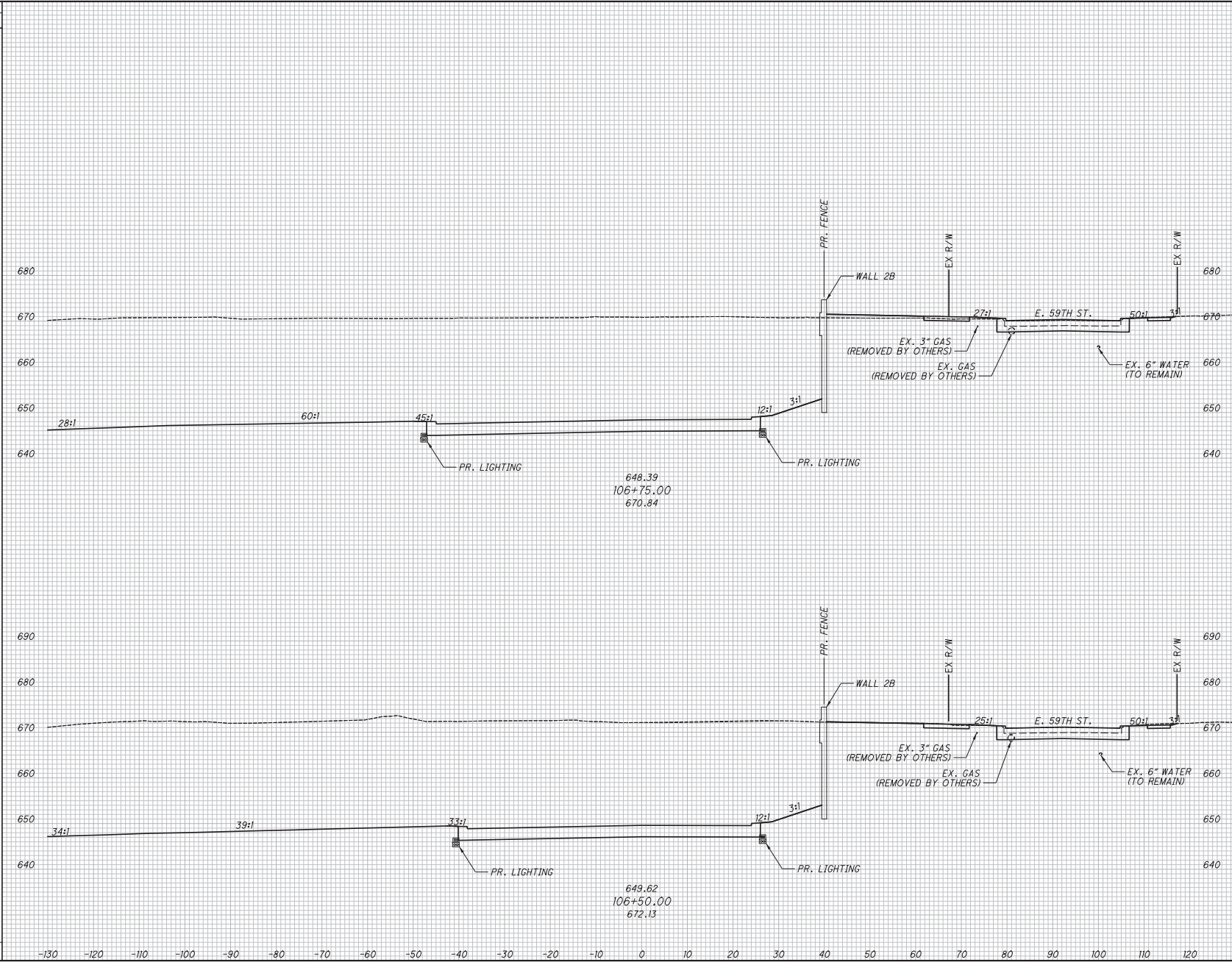
RELEASED
 FOR CONSTRUCTION
 CROSS SECTIONS - QUADRANT RD.
 STA. 105+50.00 TO STA. 105+75.00



NO.	DATE	DESCRIPTION	END AREA		VOLUME		CALCULATED JTH	CHECKED SM
			CUT	FILL	CUT	FILL		
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		Issue Record						
CUY-IR490 / SR010- 2.09 / 19.28								

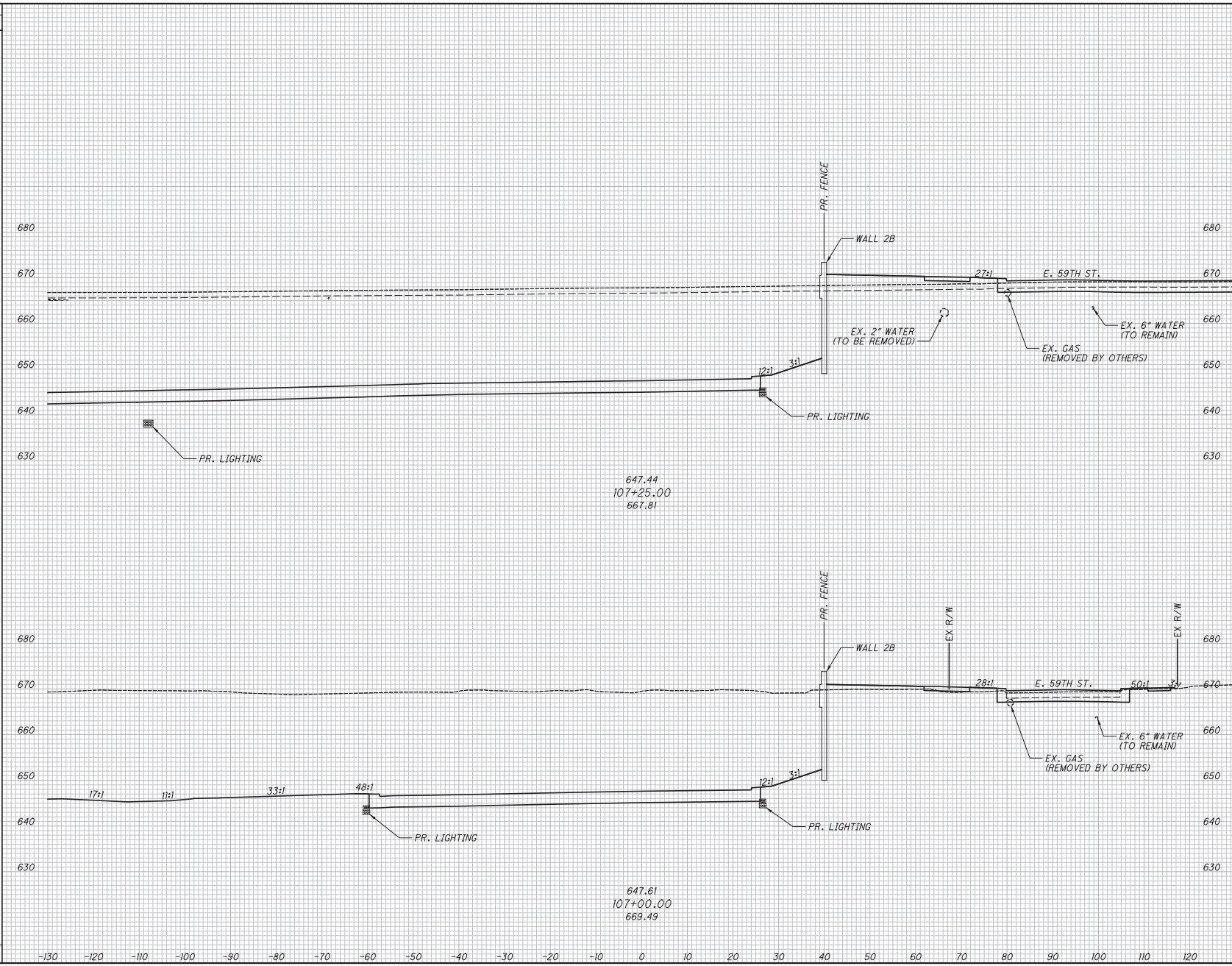
RELEASED
 FOR CONSTRUCTION
 CROSS SECTIONS - QUADRANT RD.
 STA. 106+00.00 TO STA. 106+25.00

SEEDING	
END WIDTH	SO. YDS.

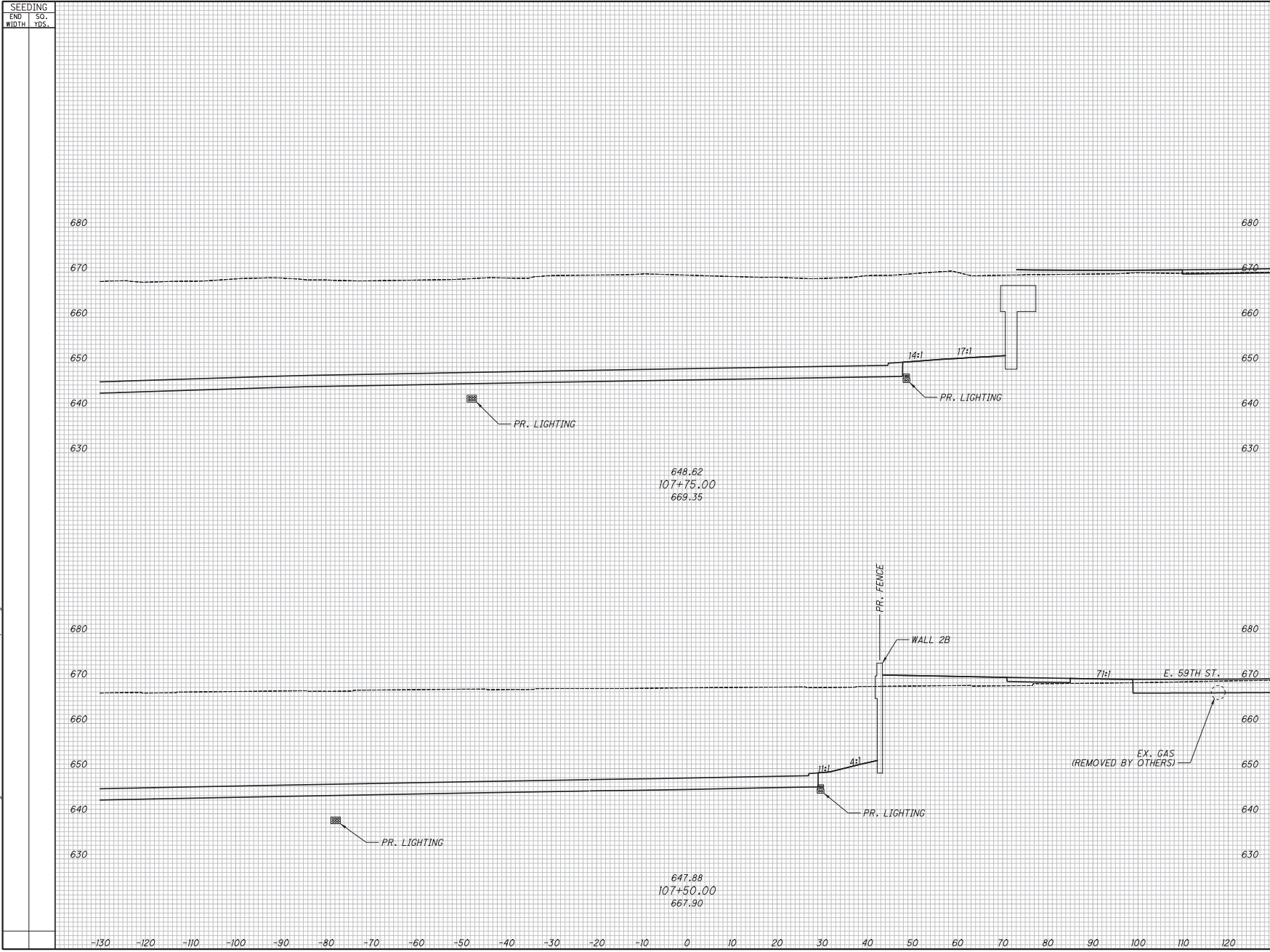


END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM
RELEASED FOR CONSTRUCTION					
CROSS SECTIONS - QUADRANT RD. STA. 106+50.00 TO STA. 106+75.00					
NO. DATE		DESCRIPTION		ISSUE RECORD	
0	2019-07-29	RF	David R. Penhatch		
CUY-IR490 / SR010- 2.09 / 19.28					
				187 303	

SEEDING	
END WIDTH	SO. YDS.

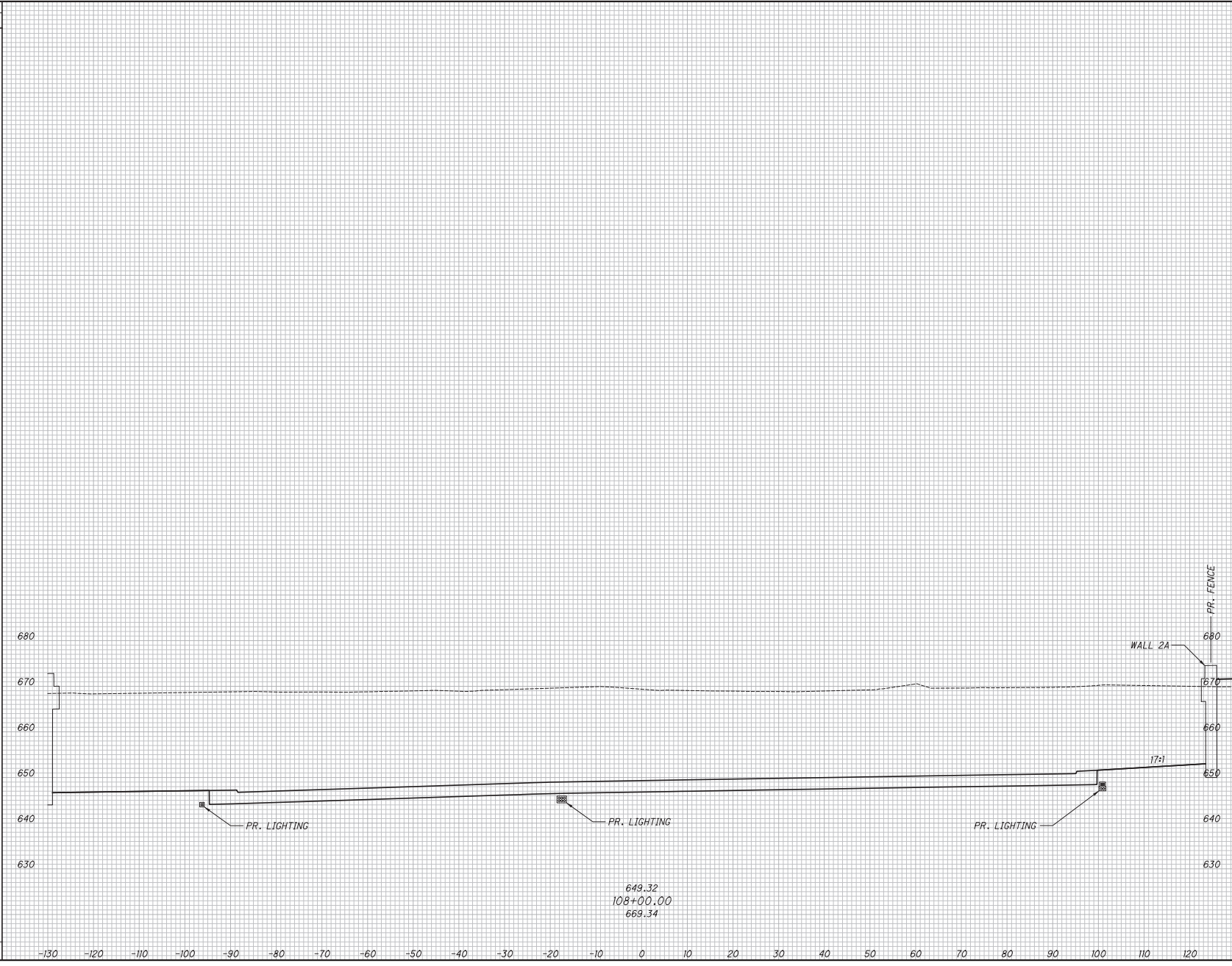


END AREA		VOLUME		CALCULATED		CHECKED	
CUT	FILL	CUT	FILL	JTH	SM		
RELEASED							
FOR CONSTRUCTION							
CROSS SECTIONS - QUADRANT RD. STA. 107+00.00 TO STA. 107+25.00							
NO.		DATE		DESCRIPTION		ISSUE RECORD	
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				CUY-IR490 / SR010-		2.09 / 19.28	
				188		303	



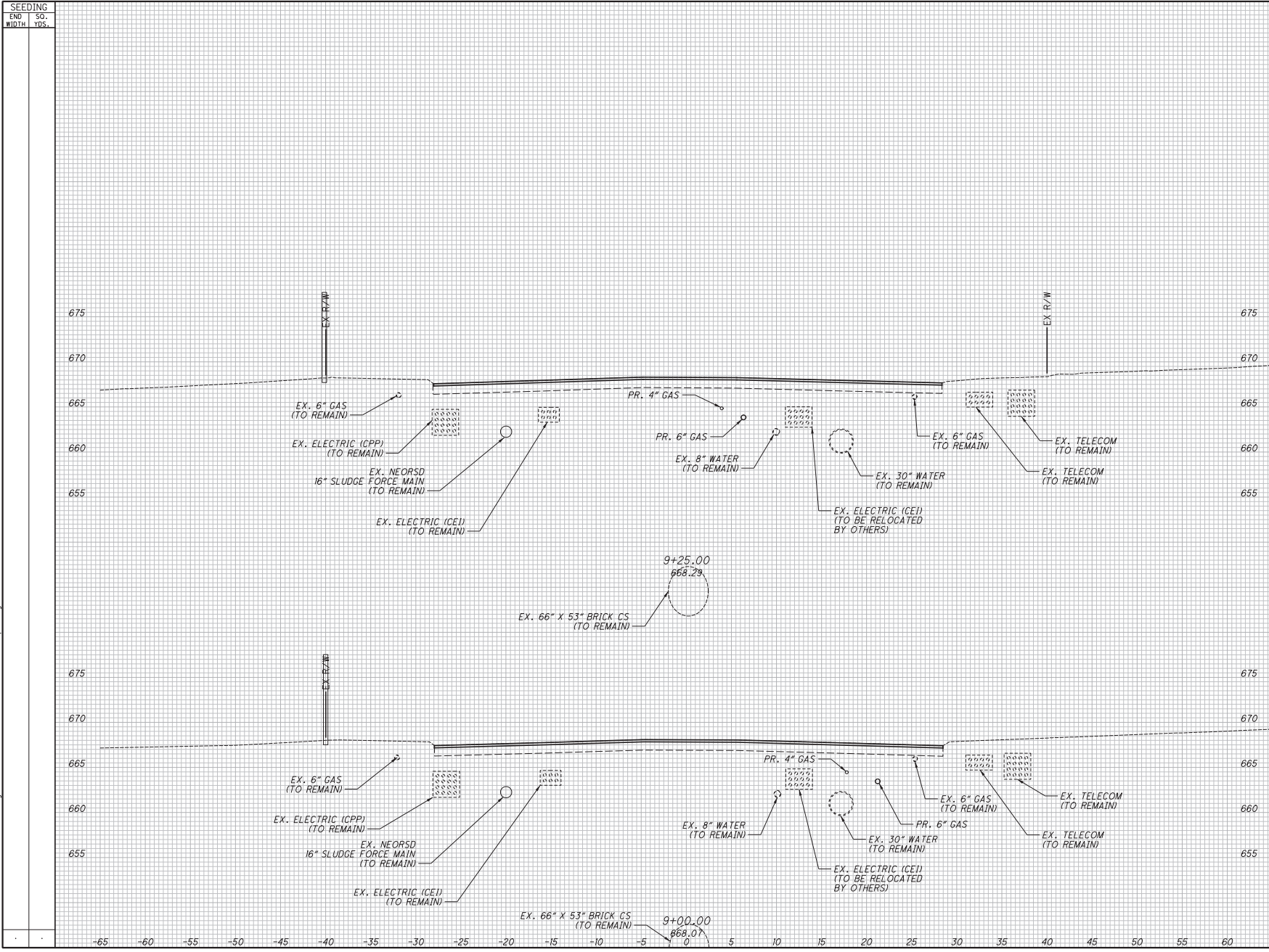
NO.	DATE	DESCRIPTION	END AREA		VOLUME		CALCULATED		SM
			CUT	FILL	CUT	FILL	JTH	SM	
0	2019-07-29	RFI							
ISSUE RECORD <i>David R. Penick</i>									
FOR CONSTRUCTION RELEASED									
CROSS SECTIONS - QUADRANT RD. STA. 107+50.00 TO STA. 107+75.00									
CUY-IR490 / SR010- 2.09 / 19.28									
189 303									

SEEDING	
END WIDTH	SO. YDS.



END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM

RELEASED	
FOR CONSTRUCTION	
CROSS SECTIONS - QUADRANT RD. STA. 108+00.00	
NO. DATE	DESCRIPTION
0 2009-07-29	RFC David R. Penhatch
ISSUE RECORD	
CUY-IR490 / SR010- 2.09 / 19.28	
190	303



NO.	DATE	RFC	DESCRIPTION	ISSUE RECORD		CALCULATED JTH	CHECKED SM
				CUT	FILL		
0	2019-07-29	RF	David X Penhatch				

END AREA	VOLUME	
	CUT	FILL

RELEASED

FOR CONSTRUCTION

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

CUY-IR490/SR010-
2.09 / 19.28

191
303

SEEDING	
END WIDTH	SO. YDS.

END AREA		VOLUME		CALCULATED		CHECKED	
CUT	FILL	CUT	FILL	JTH	SM		

RELEASED FOR CONSTRUCTION

CROSS SECTIONS - E. 55TH ST.
 STA. 9+34.00 TO STA. 9+50.00

CUY-IR490/SR010-
 2.09 / 19.28

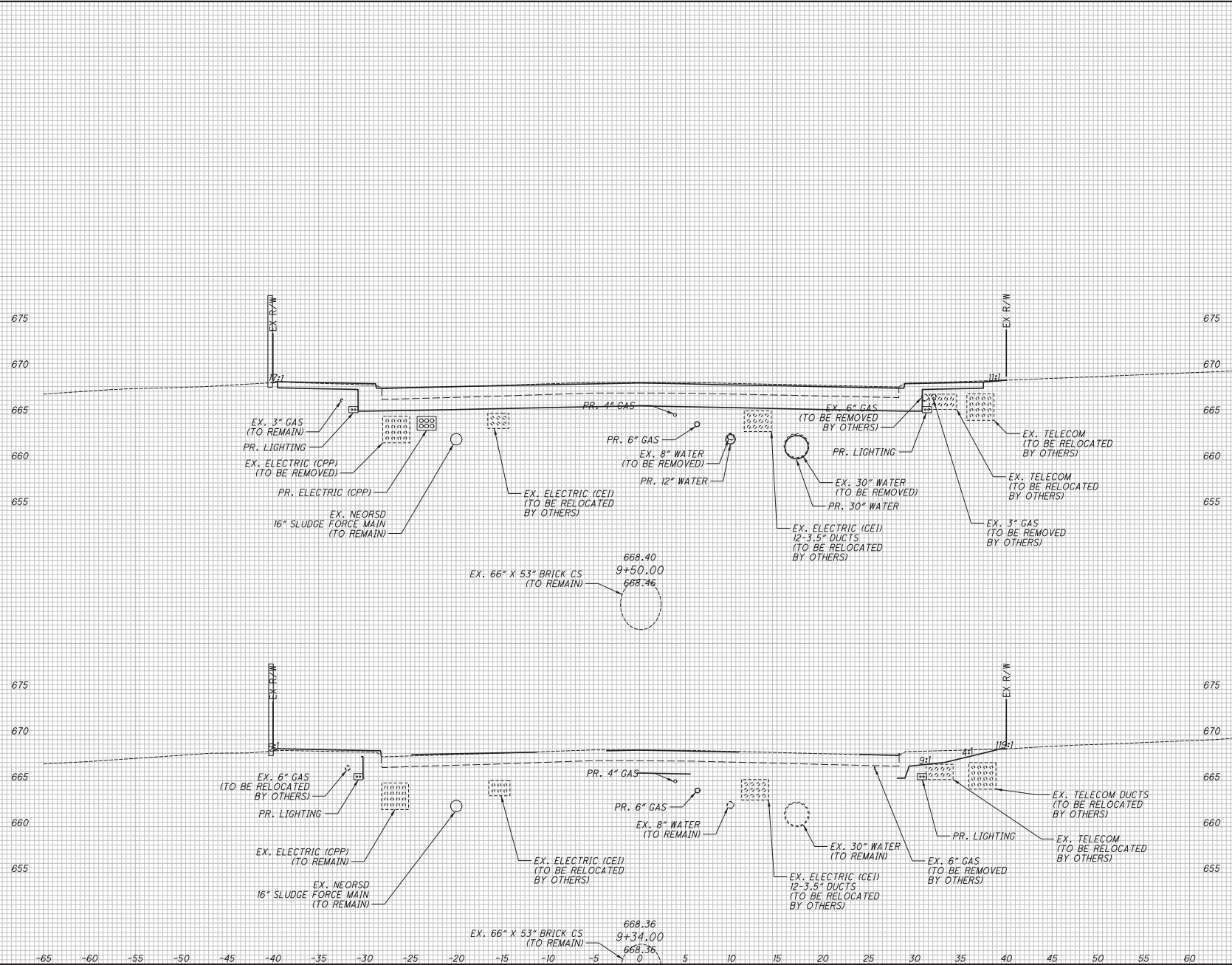
192
 303

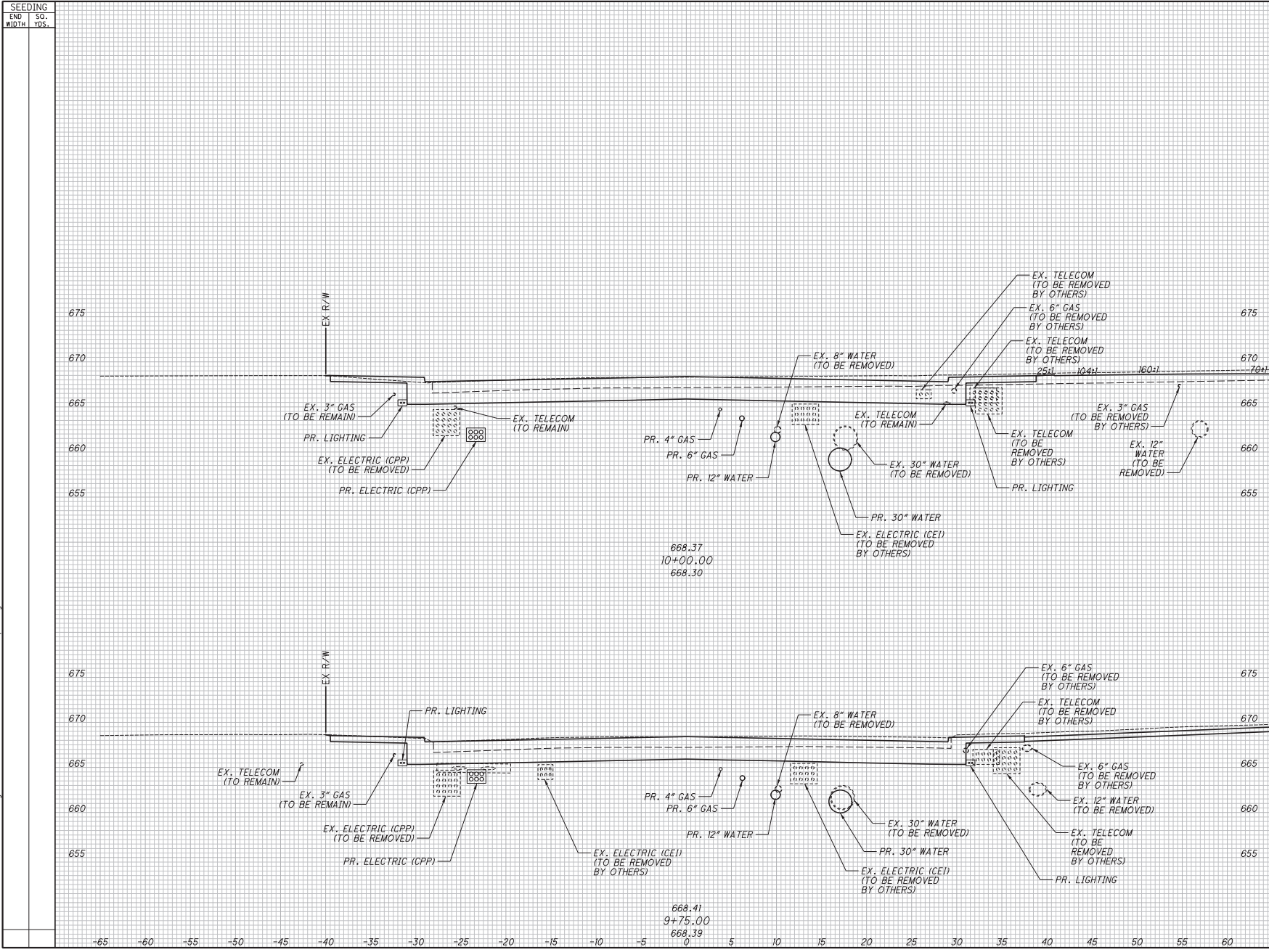
ISSUE RECORD

NO. DATE

DESCRIPTION

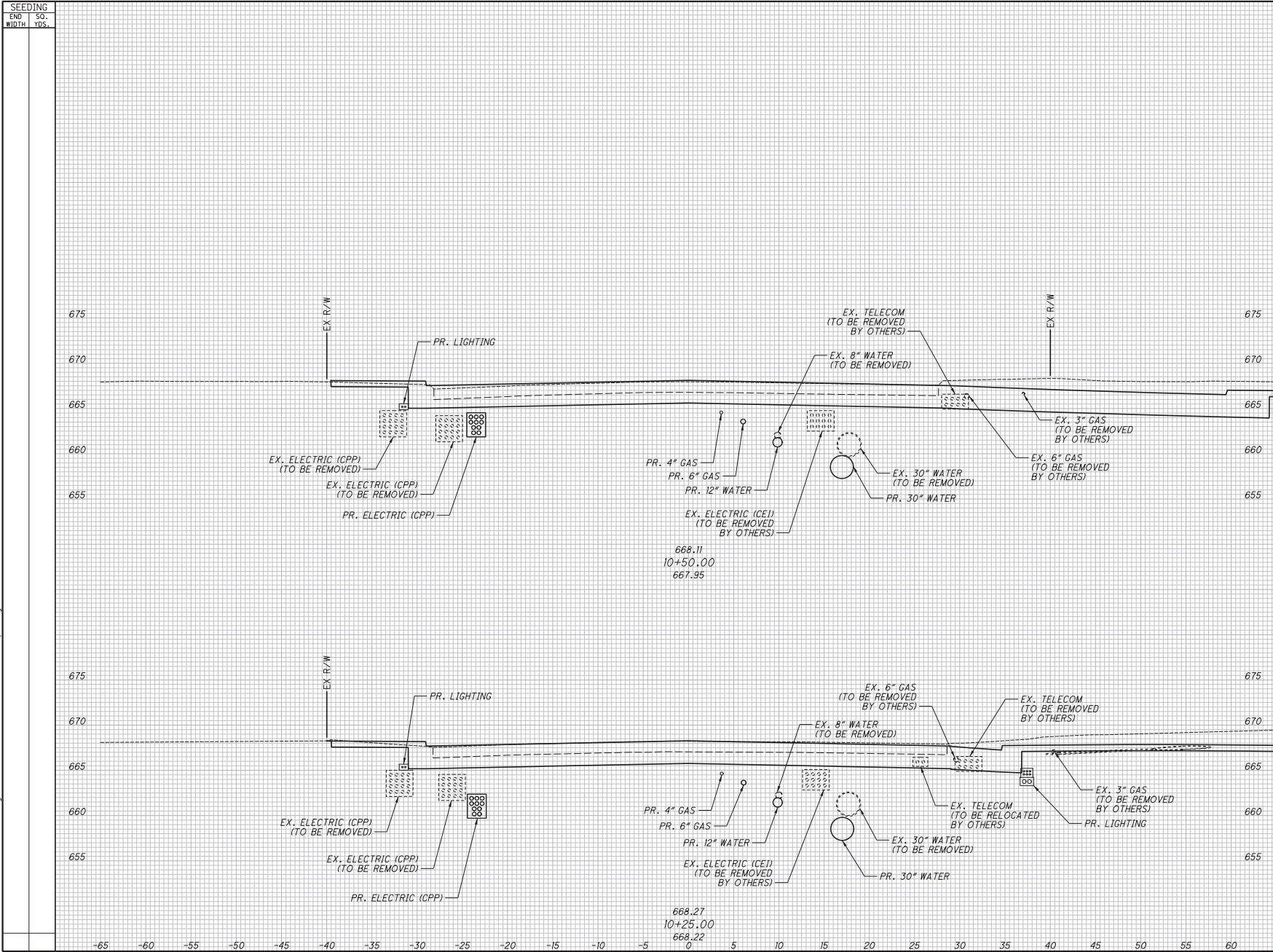
0 2009-07-29 RFC David X Penhach



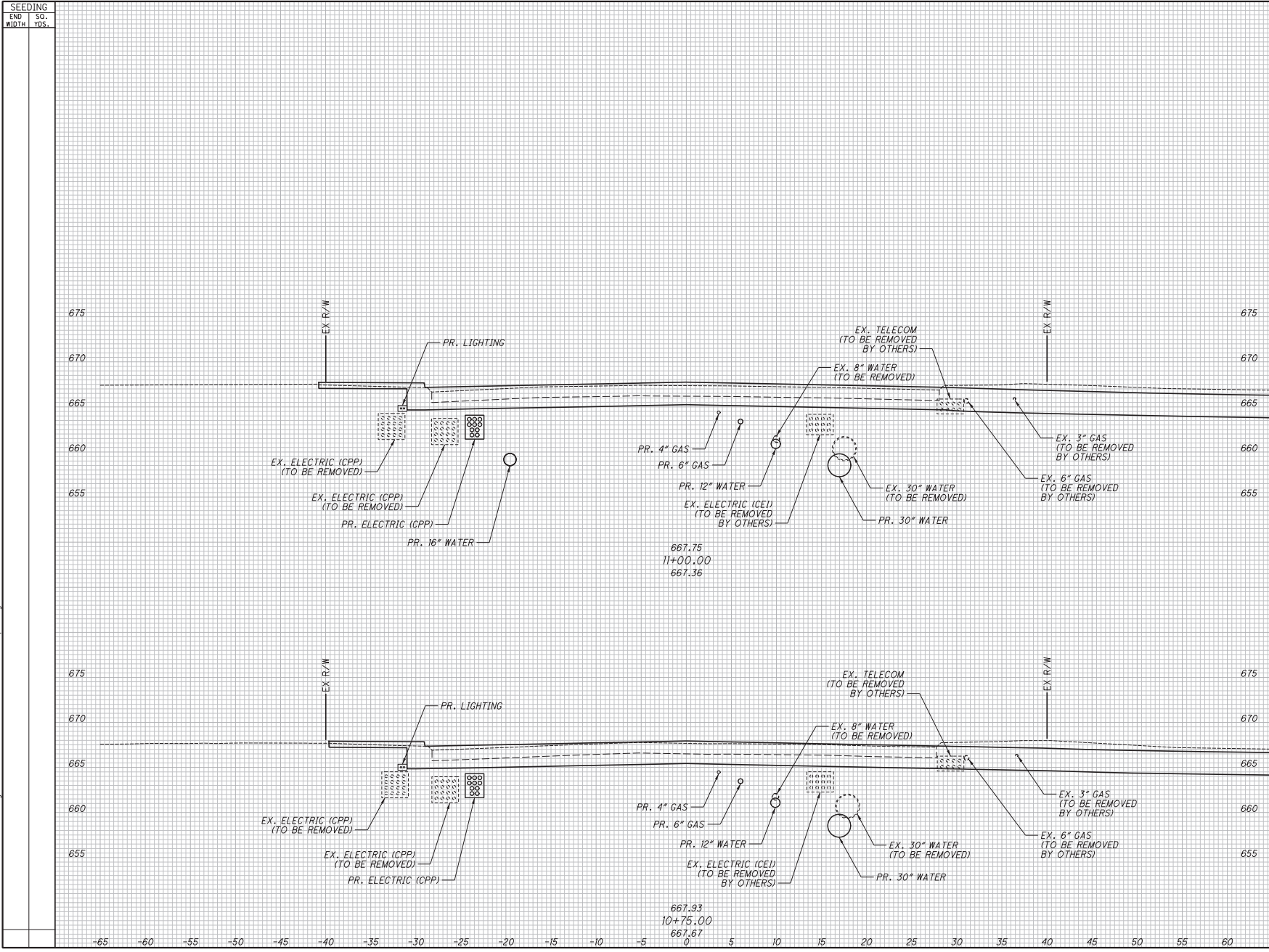


NO.	DATE	DESCRIPTION	END AREA		VOLUME		CALCULATED JTH	CHECKED SM
			CUT	FILL	CUT	FILL		
0	2019-07-29	RFI						
		David R. Penhatch						
		ISSUE RECORD						
CUY-IR490/SR010- CROSS SECTIONS - E. 55TH ST. STA. 9+75.00 TO STA. 10+00.00								
2.09 / 19.28								
193 303								

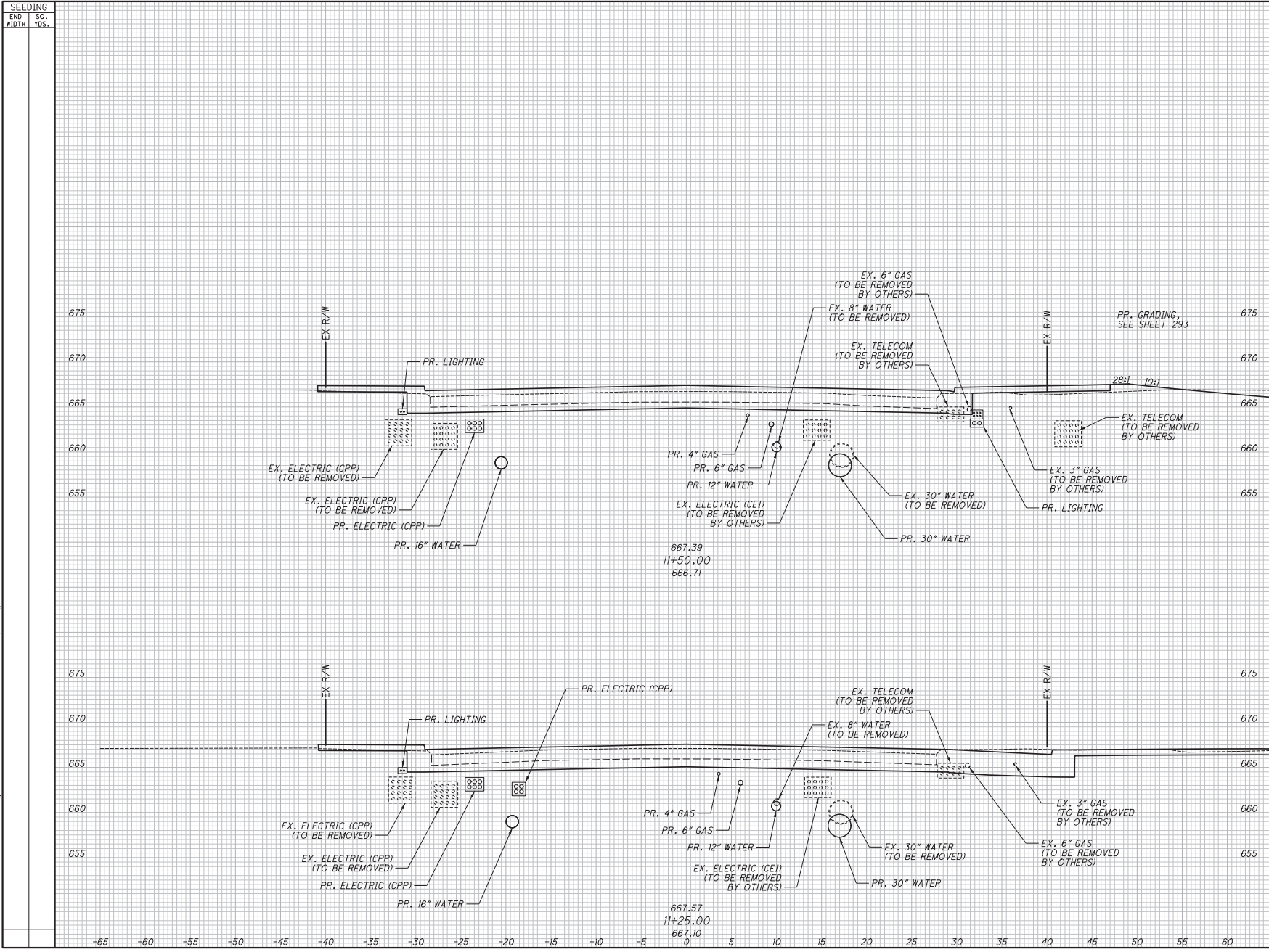
RELEASED
 FOR CONSTRUCTION



NO.	DATE	RFC	DESCRIPTION	END AREA		VOLUME		CALCULATED JTH	CHECKED SM
				CUT	FILL	CUT	FILL		
0	2019-07-29	RF	David R. Penhatch						
ISSUE RECORD									
				RELEASED FOR CONSTRUCTION					
				CROSS SECTIONS - E. 55TH ST. STA. 10+25.00 TO STA. 10+50.00					
				CUY-IR490/SR010- 2.09 / 19.28					
				194 303					



NO.	DATE	DESCRIPTION	END AREA		VOLUME		CALCULATED JTH	CHECKED SM
			CUT	FILL	CUT	FILL		
0	2019-07-29	RFI						
ISSUE RECORD			RELEASED FOR CONSTRUCTION CROSS SECTIONS - E. 55TH ST. STA. 10+75.00 TO STA. 11+00.00					
CUY-IR490/SR010- 2.09 / 19.28			195 303					



NO.	DATE	RFC	DESCRIPTION	ISSUE RECORD	
				DATE	DESCRIPTION
0	2019-07-29	RF	David R. Penhatch		

END AREA		VOLUME		CALCULATED JTH	CHECKED SM
CUT	FILL	CUT	FILL		

RELEASED

FOR CONSTRUCTION

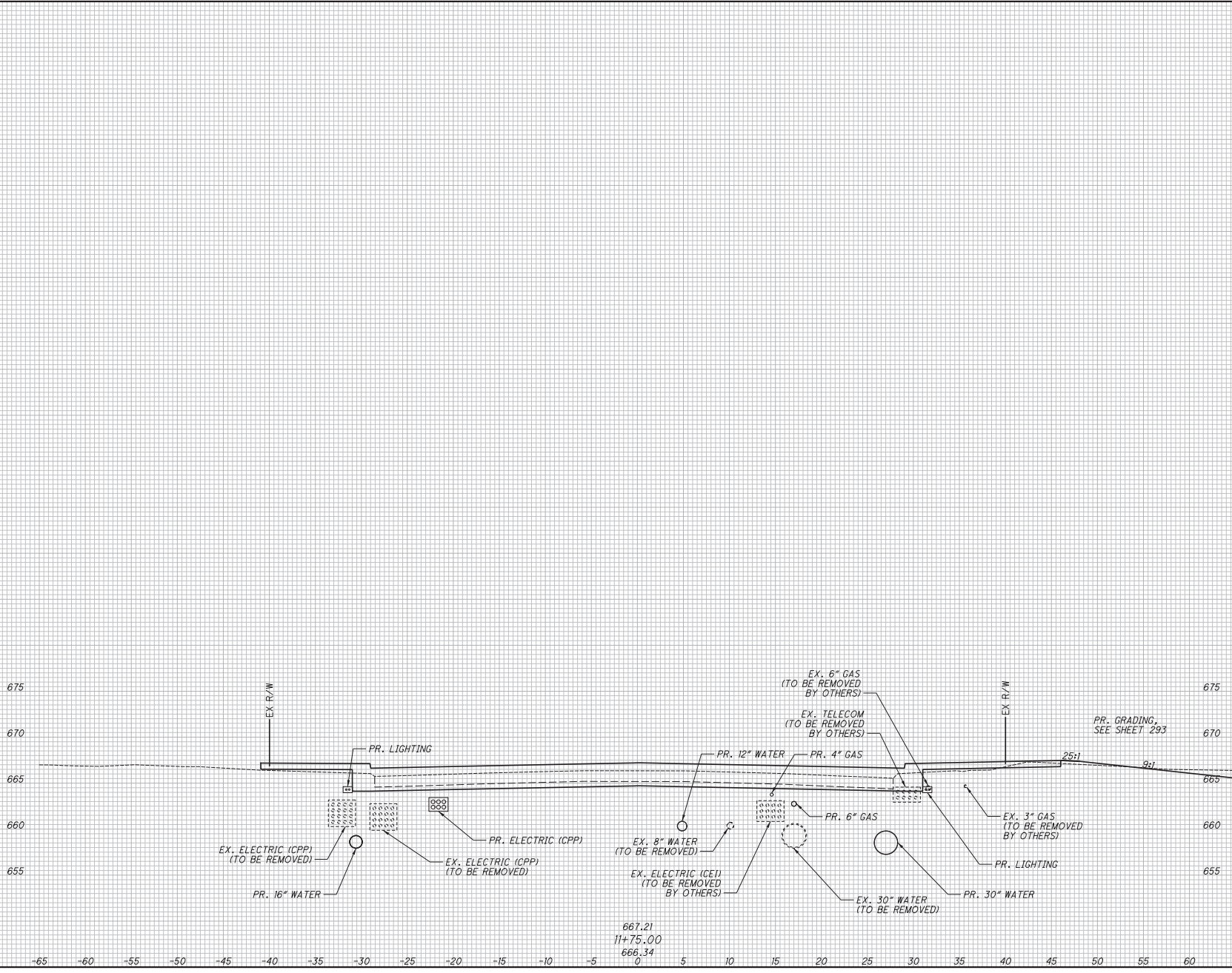
CROSS SECTIONS - E. 55TH ST.
 STA. 11+25.00 TO STA. 11+50.00

CUY-IR490/SR010-
 2.09 / 19.28

196
303

SEEDING	
END WIDTH	SO. YDS.

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM



RELEASED

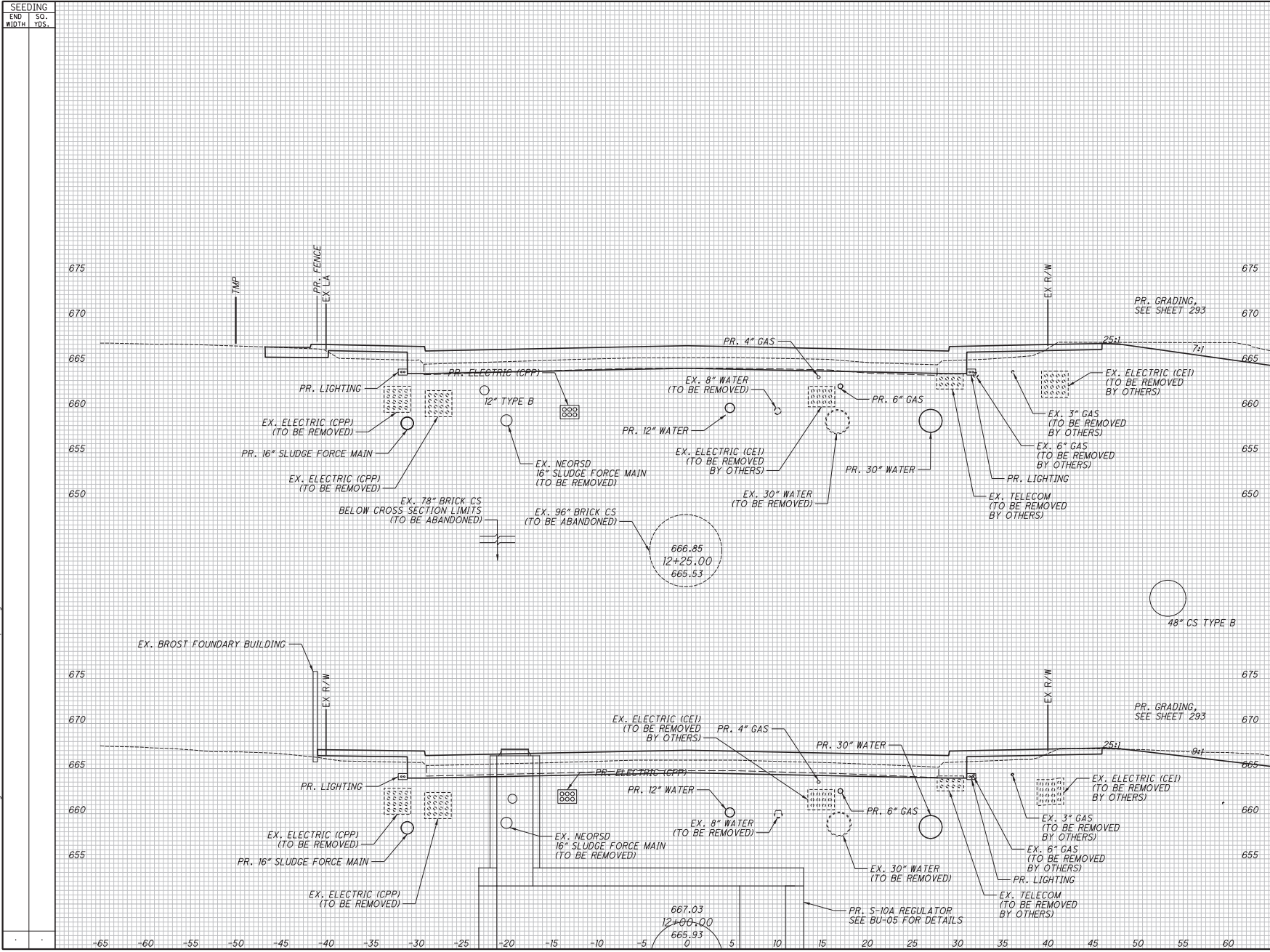
FOR CONSTRUCTION

CROSS SECTIONS - E. 55TH ST.
STA. 11+75.00

NO.	DATE	RFC	DESCRIPTION	ISSUE RECORD
0	2019-07-29	RF	David R. Penhatch	

CUY-IR490 / SR010-
2.09 / 19.28

197
303



NO.	DATE	DESCRIPTION	ISSUE RECORD	
			BY	DATE
0	2019-07-29	RFI	David R. Penhatch	

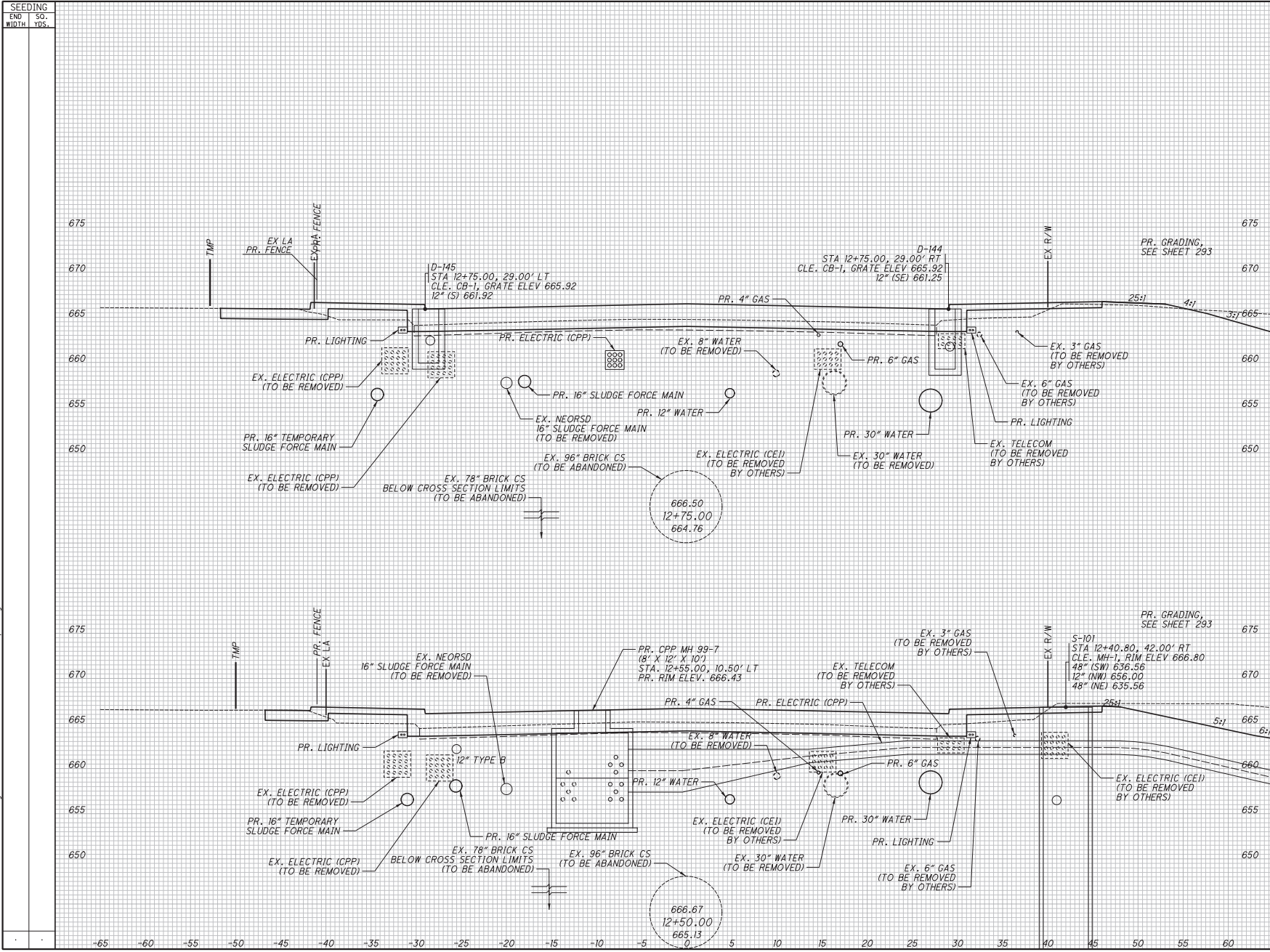
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		CUT	FILL		

FOR CONSTRUCTION

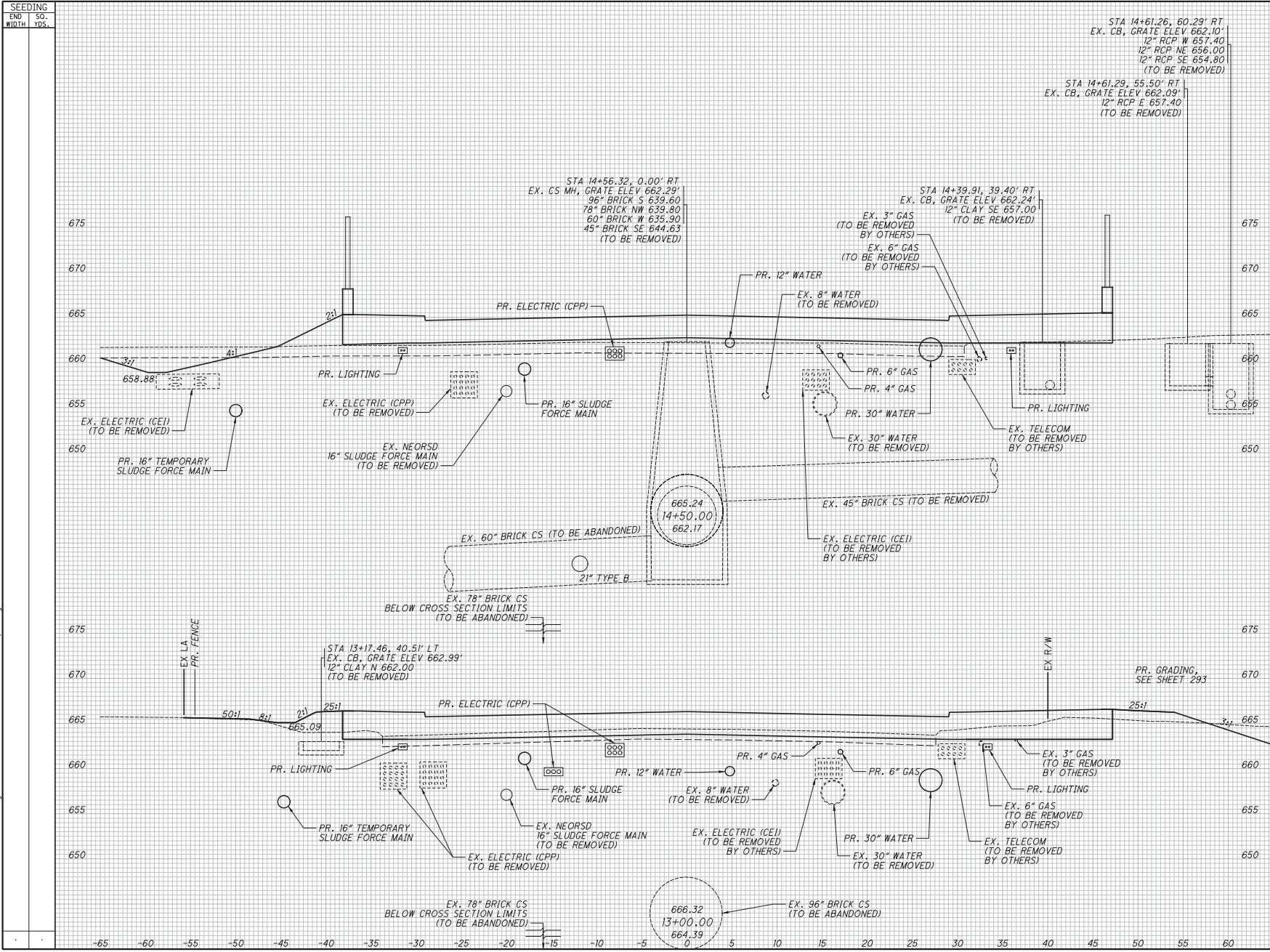
**CROSS SECTIONS - E. 55TH ST.
 STA. 12+00.00 TO STA. 12+25.00**

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

198
303



NO.	DATE	RFC	DESCRIPTION	VOLUME		END AREA		CALCULATED JTH	CHECKED SM
				CUT	FILL	CUT	FILL		
0	2019-07-29	RFC	David R. Penhatch						
ISSUE RECORD									
FOR CONSTRUCTION									
RELEAS									
CROSS SECTIONS - E. 55TH ST. STA. 12+50.00 TO STA. 12+75.00									
2.09 / 19.28									
				199					
				303					



STA 14+61.26, 60.29' RT
 EX. CB, GRATE ELEV 662.10'
 12" RCP W 657.40
 12" RCP NE 656.00
 12" RCP SE 654.80
 (TO BE REMOVED)

STA 14+61.29, 55.50' RT
 EX. CB, GRATE ELEV 662.09'
 12" RCP E 657.40
 (TO BE REMOVED)

STA 14+56.32, 0.00' RT
 EX. CS MH, GRATE ELEV 662.29'
 96" BRICK S 639.60
 78" BRICK NW 639.80
 60" BRICK W 635.90
 45" BRICK SE 644.63
 (TO BE REMOVED)

STA 14+39.91, 39.40' RT
 EX. CB, GRATE ELEV 662.24'
 12" CLAY SE 657.00
 (TO BE REMOVED)

STA 13+17.46, 40.51' LT
 EX. CB, GRATE ELEV 662.39'
 12" CLAY N 662.00
 (TO BE REMOVED)

666.32
 13+00.00
 664.39
 0

NO.	DATE	RFC	DESCRIPTION	END AREA		VOLUME		CALCULATED JTH	CHECKED	SM
				CUT	FILL	CUT	FILL			
0	2019-07-29	RF	David R. Penhatch							
ISSUE RECORD										
CUY-IR490/SR010-										
CROSS SECTIONS - E. 55TH ST.										
STA. 13+00.00 TO STA. 14+50.00										
2.09 / 19.28										
200										
303										

RELEASED FOR CONSTRUCTION

SEEDING	SO.
END	YDS.
WIDTH	

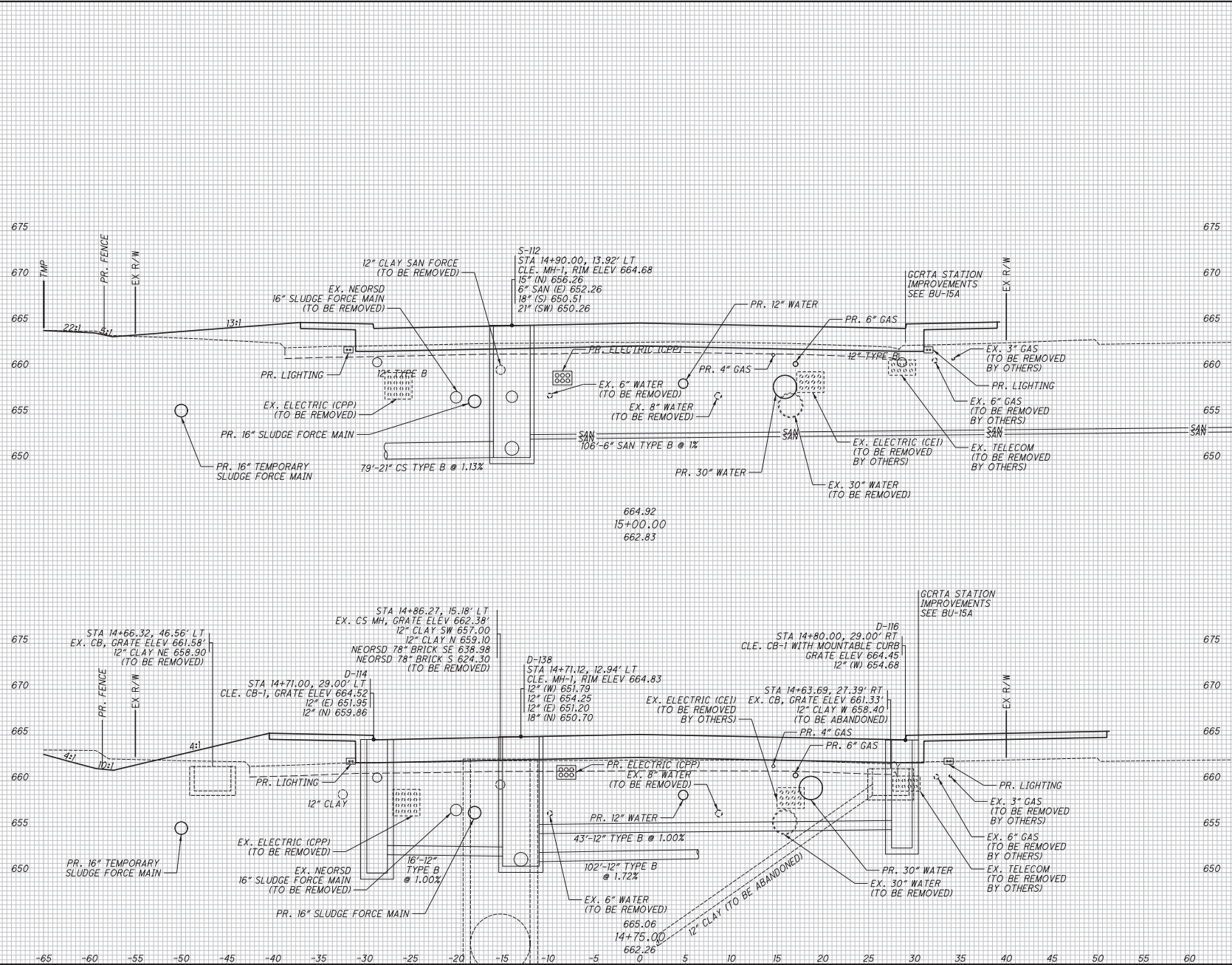
END AREA		VOLUME		CALCULATED		CHECKED	
CUT	FILL	CUT	FILL	JTH	SM	JTH	SM

RELEASED FOR CONSTRUCTION

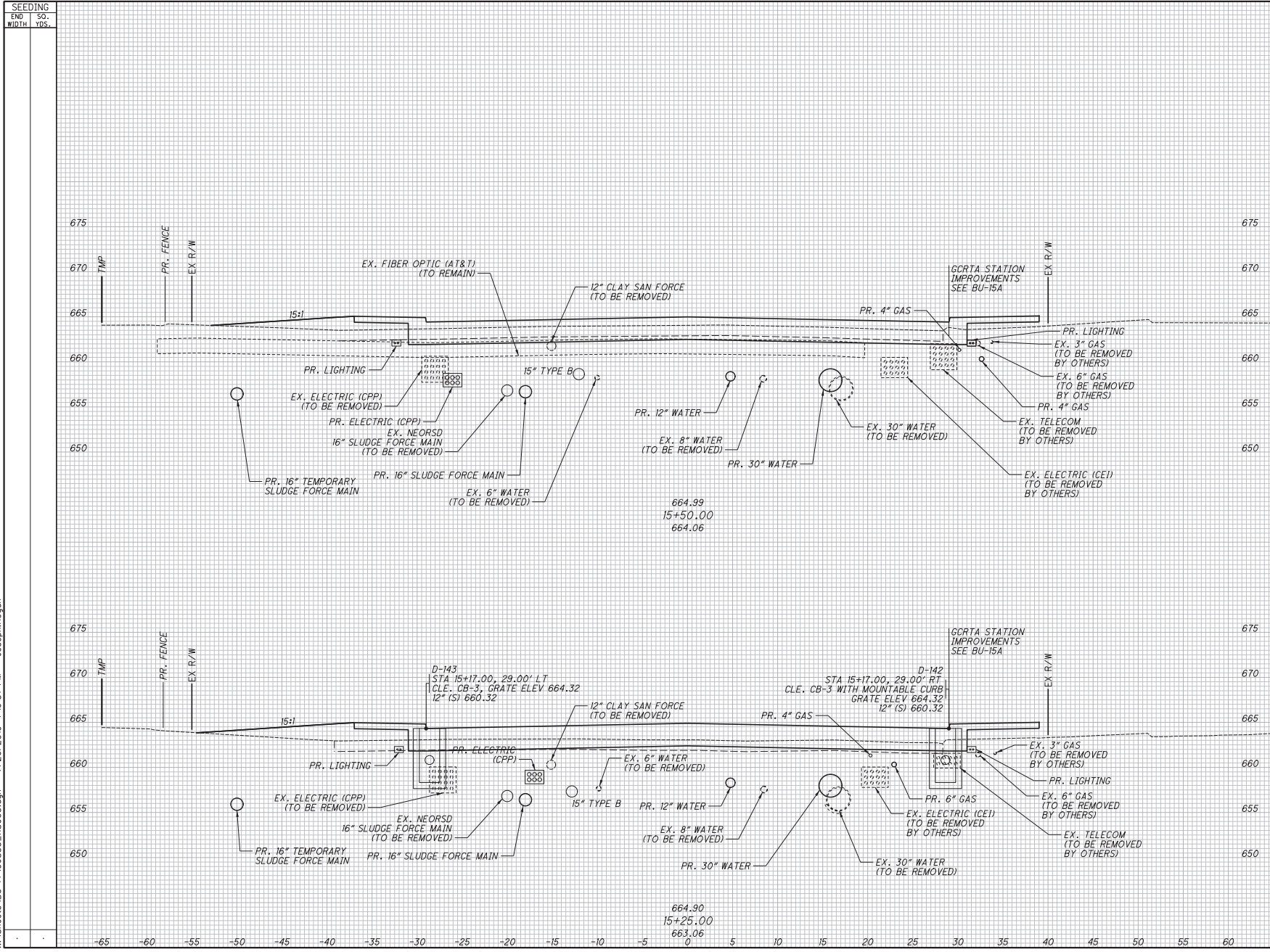
CROSS SECTIONS - E. 55TH ST.
 STA. 14+75.00 TO STA. 15+00.00

CUY-IR490/SR010-
 2.09 / 19.28

201
 303

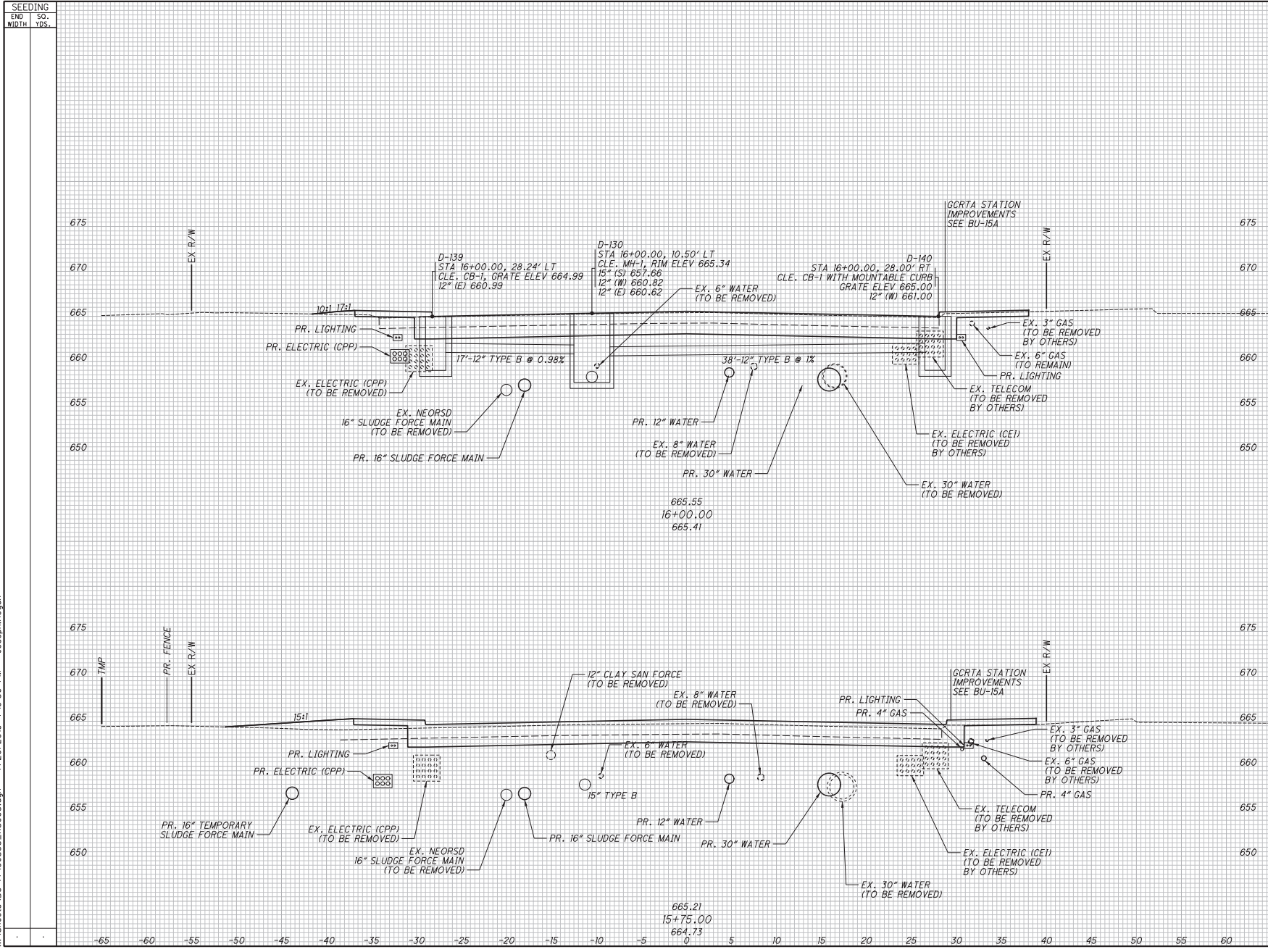


NO.	DATE	ISSUE RECORD	DESCRIPTION
0	2009-07-29	RF	David R. Penick



NO.	DATE	DESCRIPTION	END AREA		VOLUME		CALCULATED JTH	CHECKED SM
			CUT	FILL	CUT	FILL		
0	2009-07-29	RFI						
		David R. Penhax						
		ISSUE RECORD						
CUY-IR490/SR010- CROSS SECTIONS - E. 55TH ST. STA. 15+25.00 TO STA. 15+50.00								
2.09 / 19.28								

RELEASED
 FOR CONSTRUCTION



RELEASED

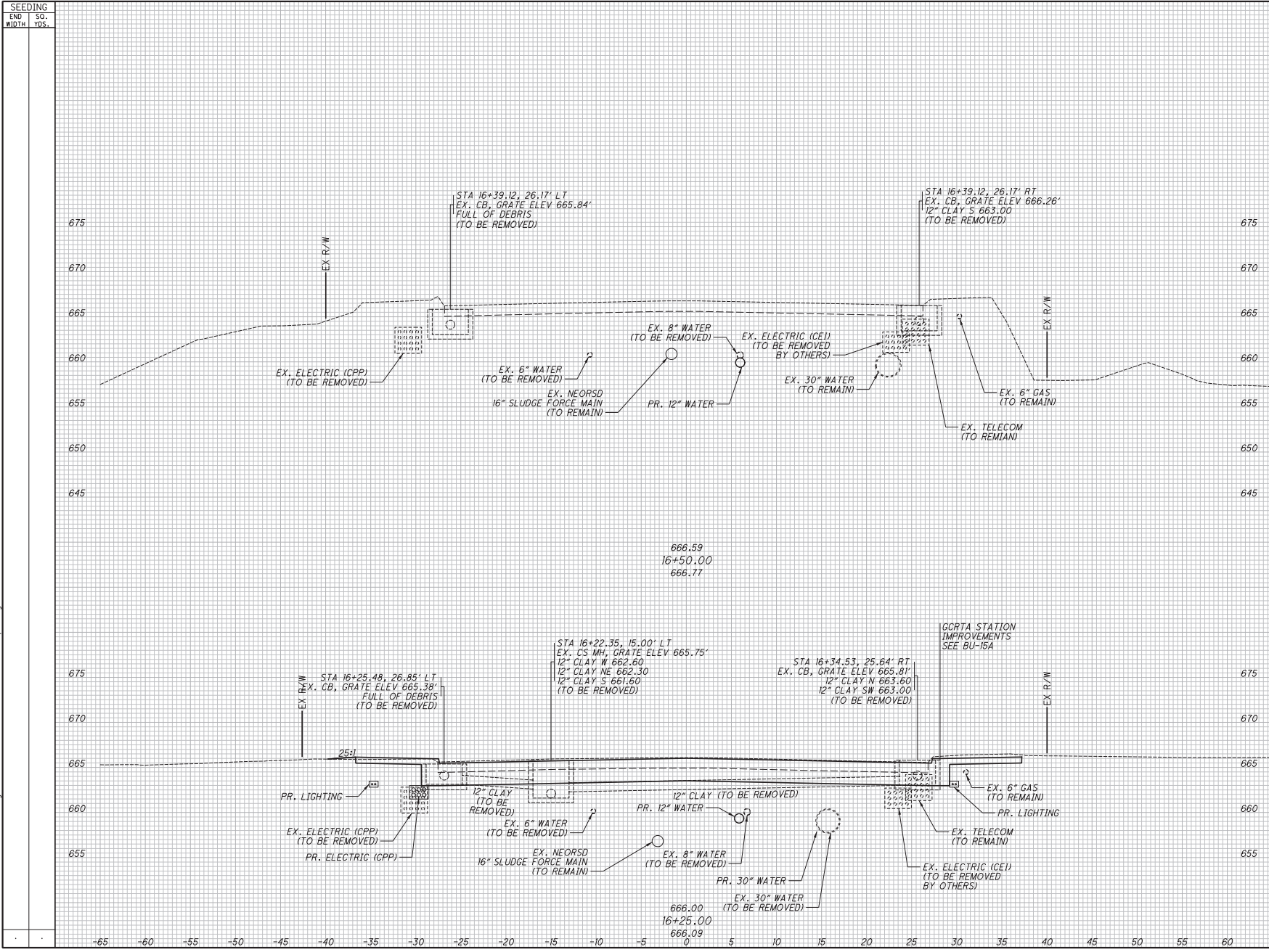
FOR CONSTRUCTION

CROSS SECTIONS - E. 55TH ST.
 STA. 15+75.00 TO STA. 16+00.00

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

2.09 / 19.28

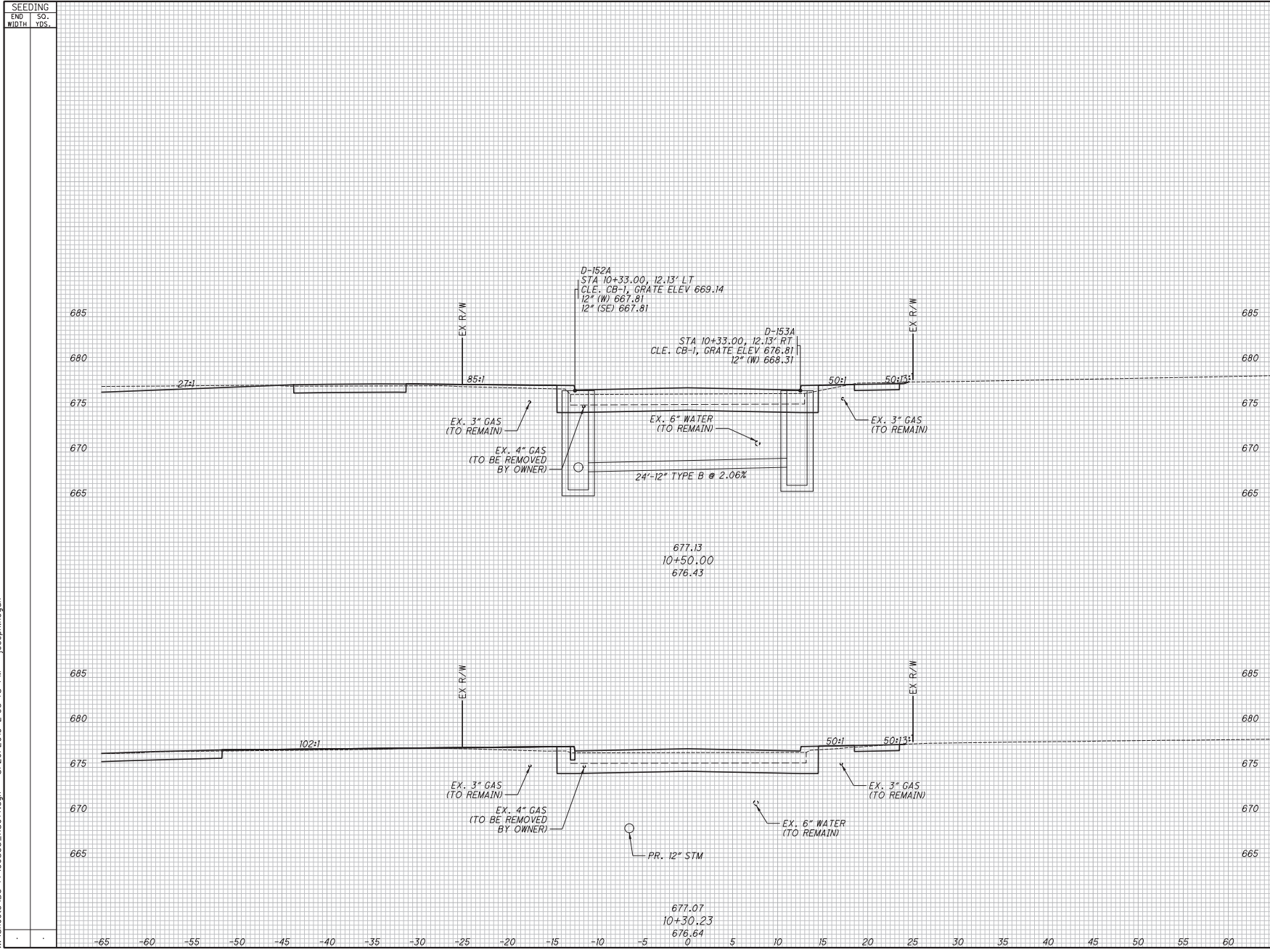
203
303



SEEDING		END AREA		VOLUME		CALCULATED		CHECKED	
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	JTH	SM	JTH	SM

0 209-07-29 RFC NO. DATE		DESCRIPTION ISSUE RECORD	204 303

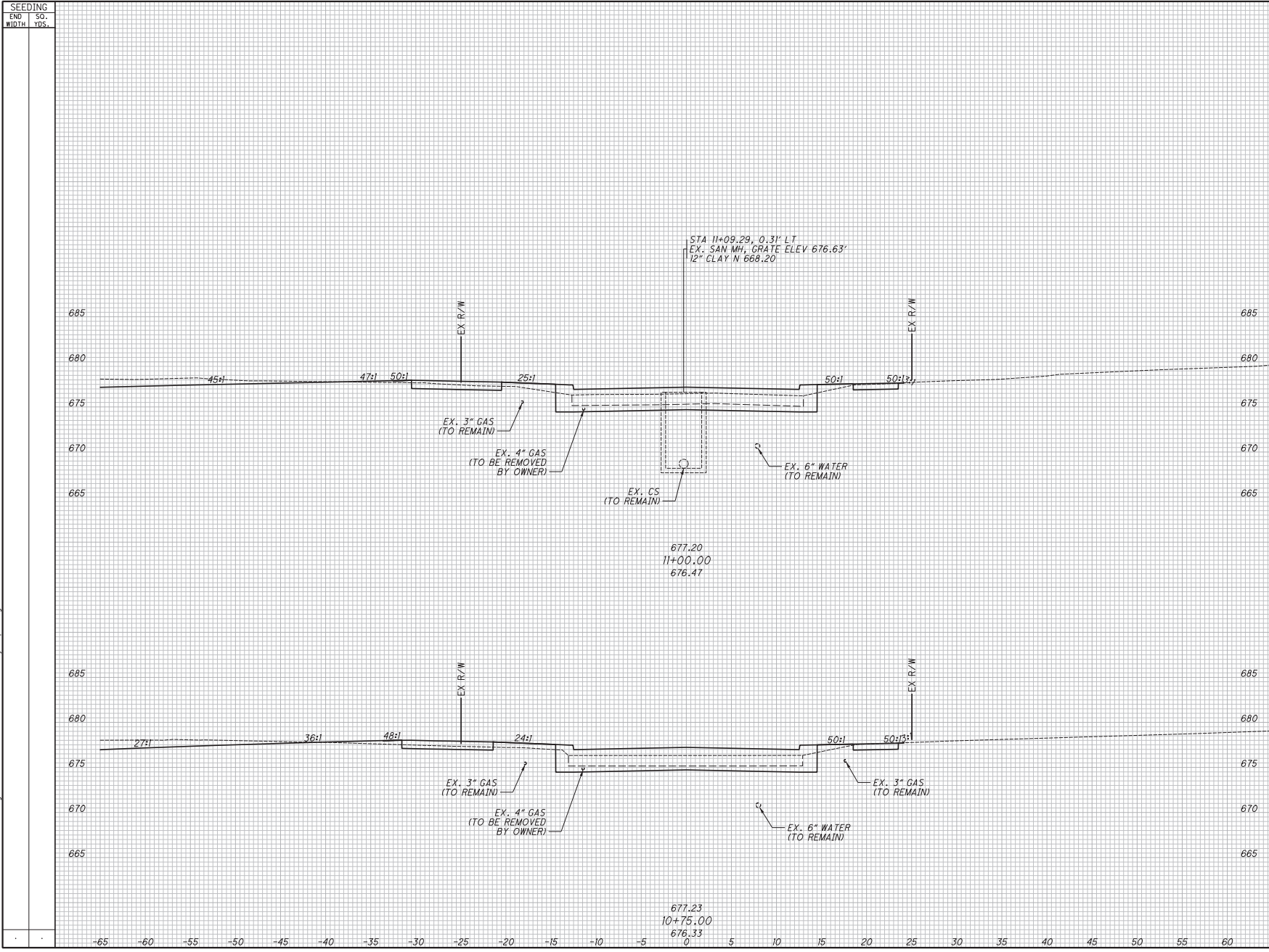
RELEASED FOR CONSTRUCTION
 CROSS SECTIONS - E. 55TH ST.
 STA. 16+25.00 TO STA. 16+50.00



NO.	DATE	DESCRIPTION	ISSUE RECORD		CALCULATED JTH	CHECKED SM
			ISSUE	RECORD		
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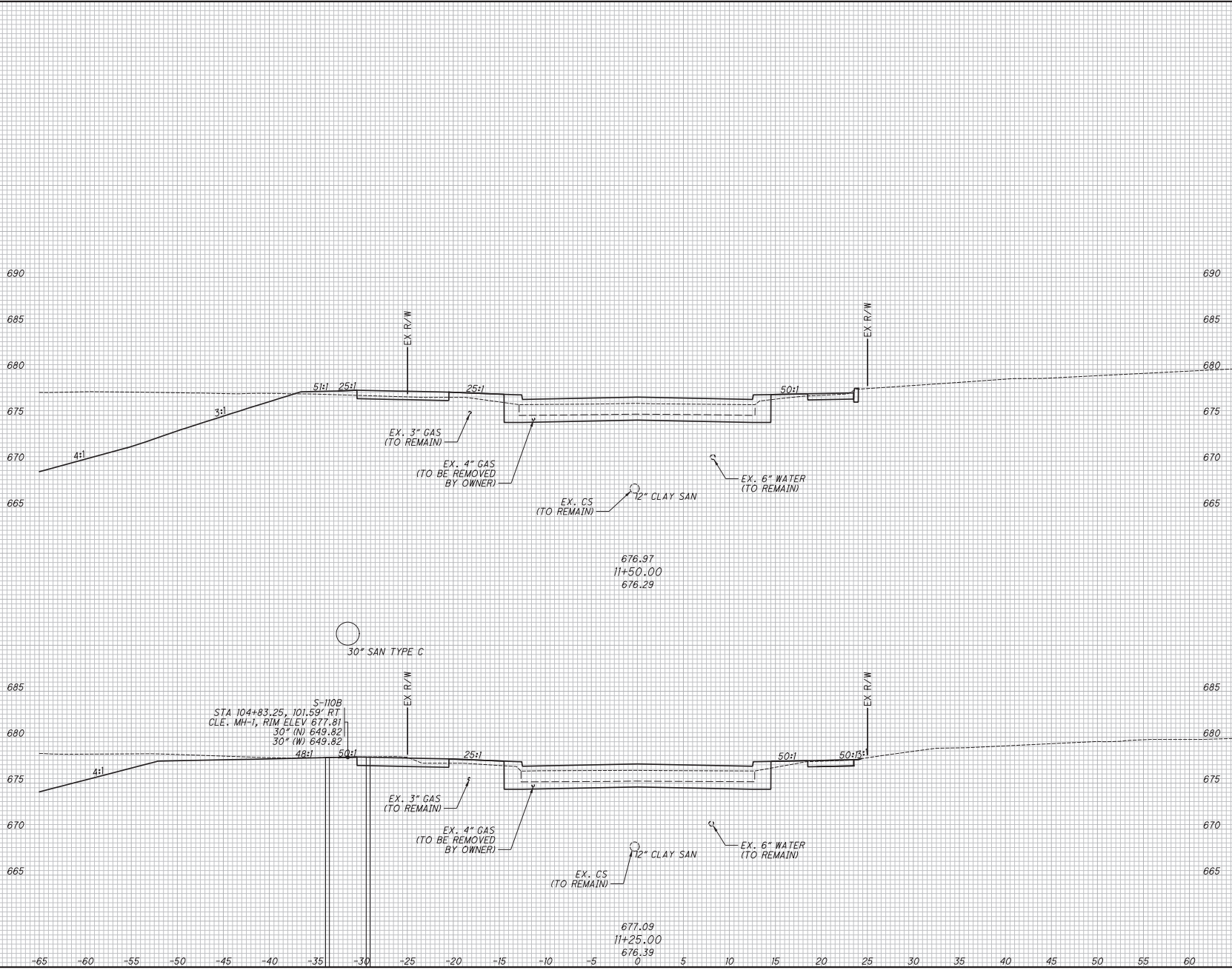
END	AREA	VOLUME	
		CUT	FILL

<p style="font-size: 2em; margin: 0;">RELEASED</p> <p style="font-size: 4em; margin: 0;">FOR CONSTRUCTION</p>	
<p>CROSS SECTIONS - E. 59TH ST. STA. 10+30.23 TO STA. 10+50.00</p>	
<p>CUY-IR490 / SR010-</p>	<p>2.09 / 19.28</p>
<p>205 303</p>	



NO.	DATE	DESCRIPTION	ISSUE RECORD		CALCULATED JTH	CHECKED SM
			ISSUE	RECORD		
0	2019-07-29	RFC	David R. Penhatch			
<p>RELEASED</p> <p>FOR CONSTRUCTION</p>						
<p>CROSS SECTIONS - E. 59TH ST.</p> <p>STA. 10+75.00 TO STA. 11+00.00</p>						
<p>CUY-IR490 / SR010-</p> <p>2.09 / 19.28</p>						
<p>206 303</p>						

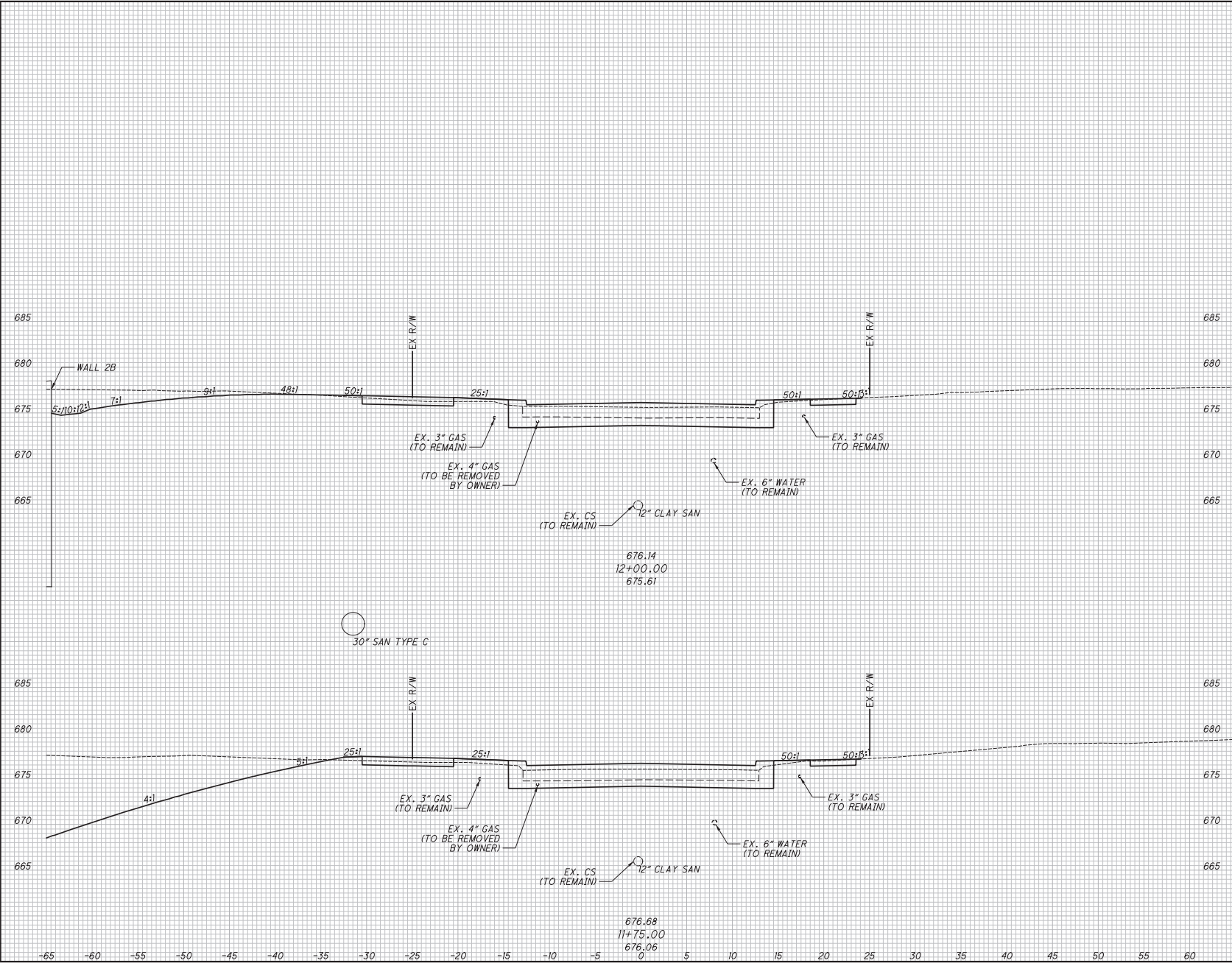
SEEDING	SO.
END	YOS.
WIDTH	



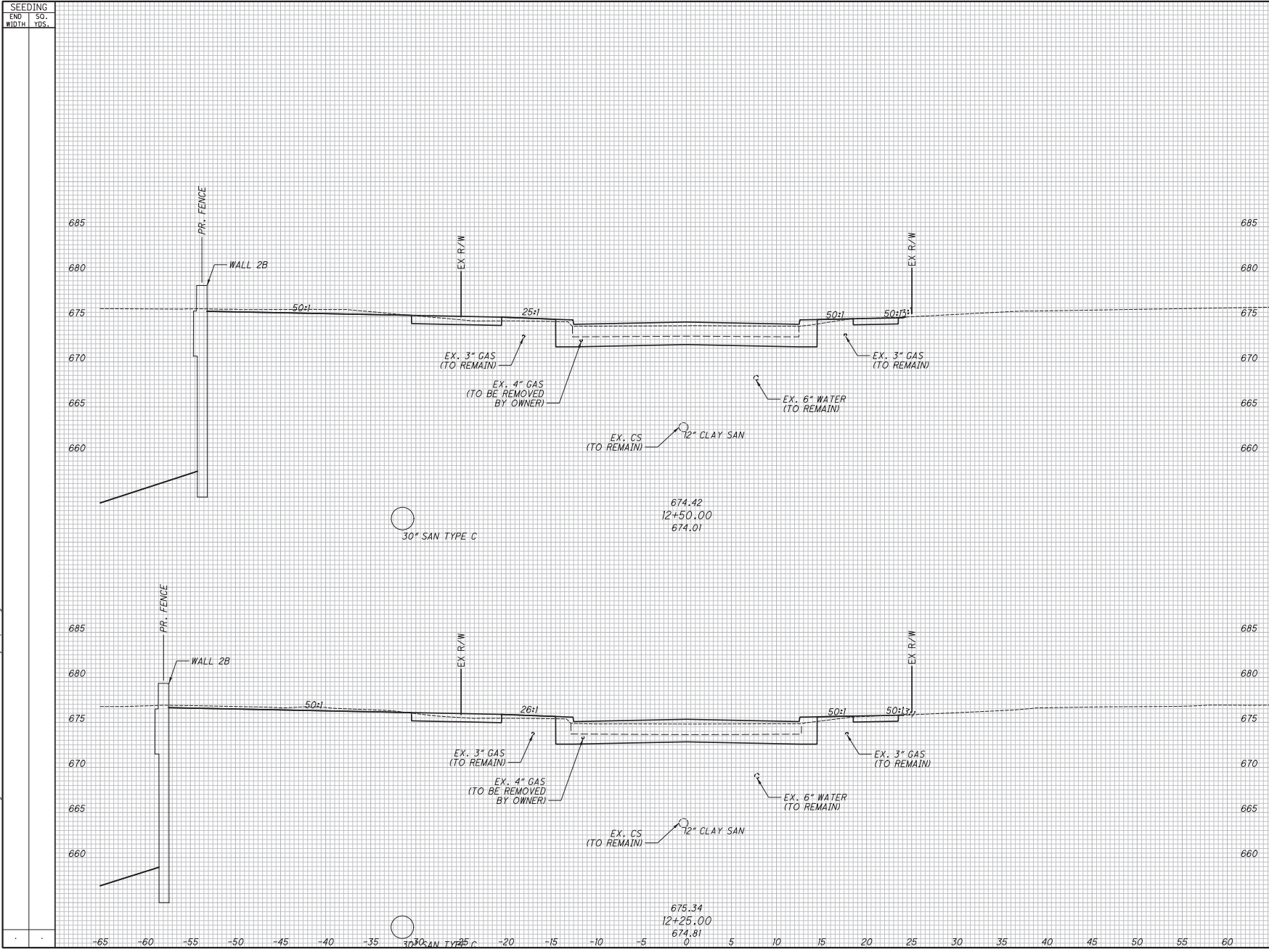
NO.	DATE	DESCRIPTION	END AREA		VOLUME		CALCULATED JTH	CHECKED SM
			CUT	FILL	CUT	FILL		
0	2019-07-29	RFI						
		David R. Penhatch						
		ISSUE RECORD						
CUY-IR490 / SR010- CROSS SECTIONS - E. 59TH ST. STA. 11+25.00 TO STA. 11+50.00								
2.09 / 19.28								
2019 303								

RELEASED
 FOR CONSTRUCTION

SEEDING	
END WIDTH	SO. YDS.



END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM
RELEASED					
FOR CONSTRUCTION					
CROSS SECTIONS - E. 59TH ST. STA. 11+75.00 TO STA. 12+00.00					
NO. DATE		DESCRIPTION			
0 2019-07-29		RFC David R. Penhatch			
ISSUE RECORD					
CUY-IR490/SR010- 2.09 / 19.28					
208 303					



SEEDING		END AREA		VOLUME		CALCULATED		CHECKED	
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	JTH	SM	JTH	SM

RELEASED		
FOR CONSTRUCTION		
CROSS SECTIONS - E. 59TH ST. STA. 12+25.00 TO STA. 12+50.00		
NO.	DATE	DESCRIPTION
0	2019-07-29	RFI
		David R. Penhatch
ISSUE RECORD		
CUY-IR490/SR010-		
2.09 / 19.28		
209 303		

SEEDING	
END WIDTH	SO. YDS.

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM

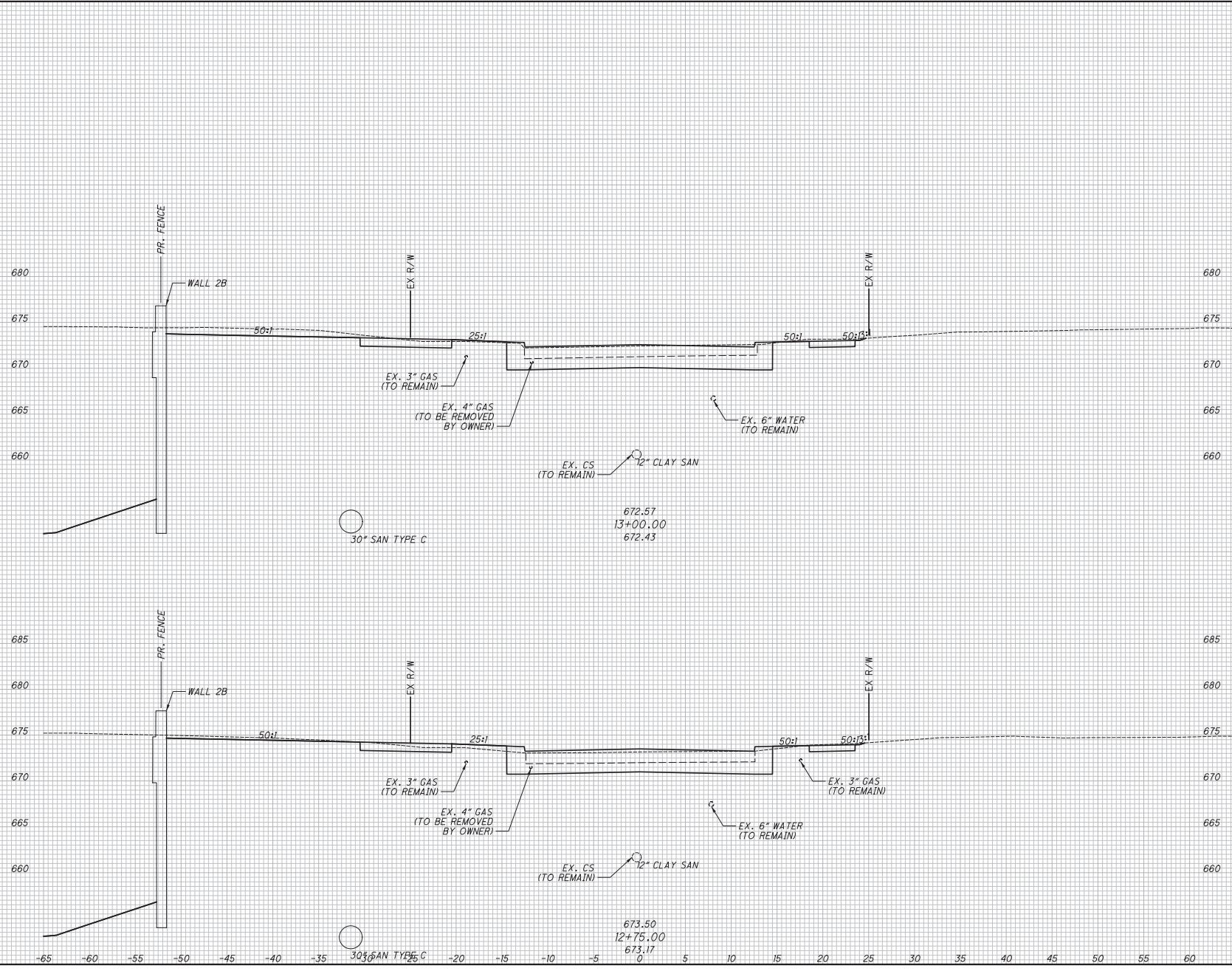
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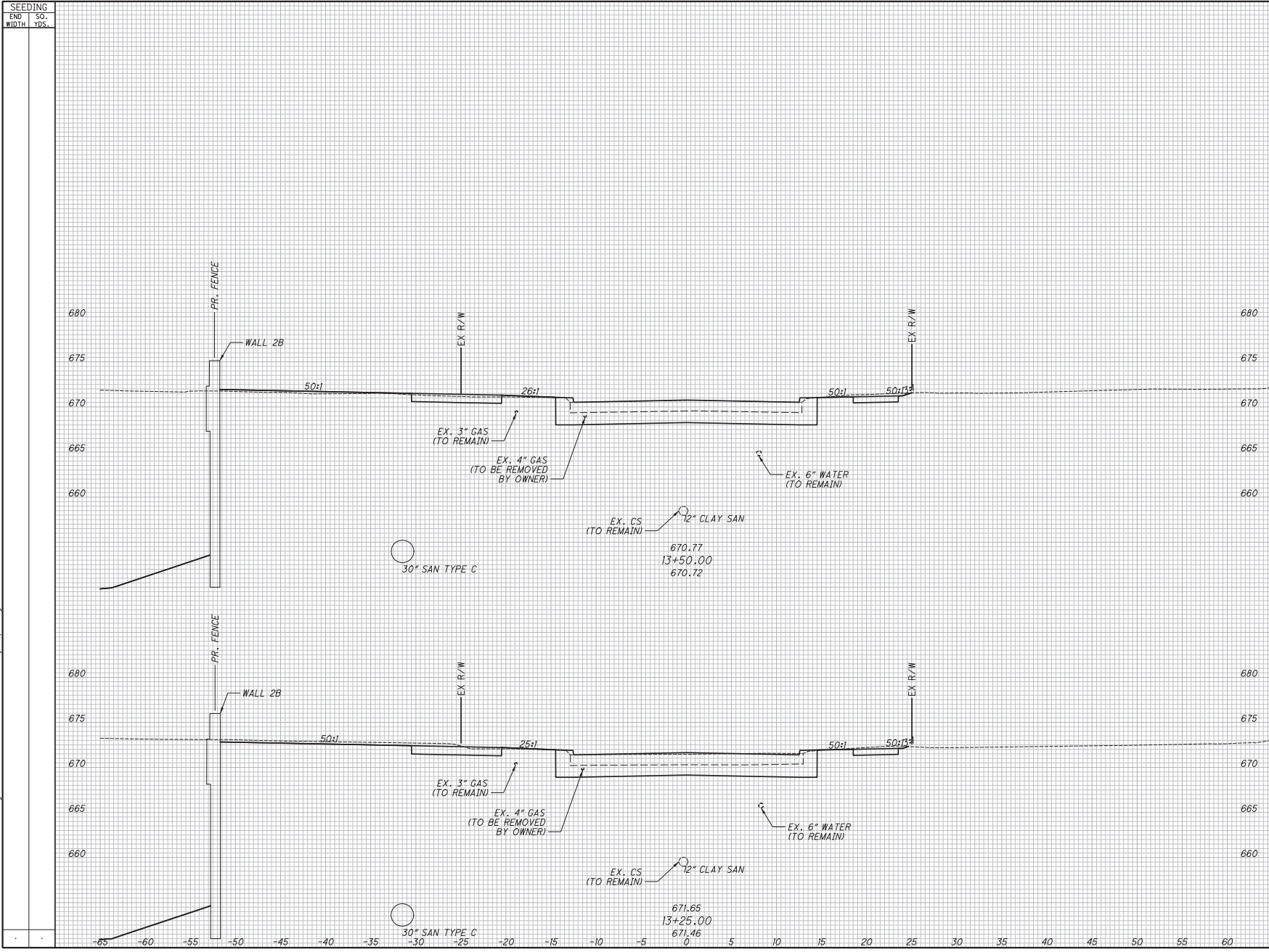
CROSS SECTIONS - E. 59TH ST.
 STA. 12+75.00 TO STA. 13+00.00

CUY-IR490/SR010-
 2.09 / 19.28

210
 303

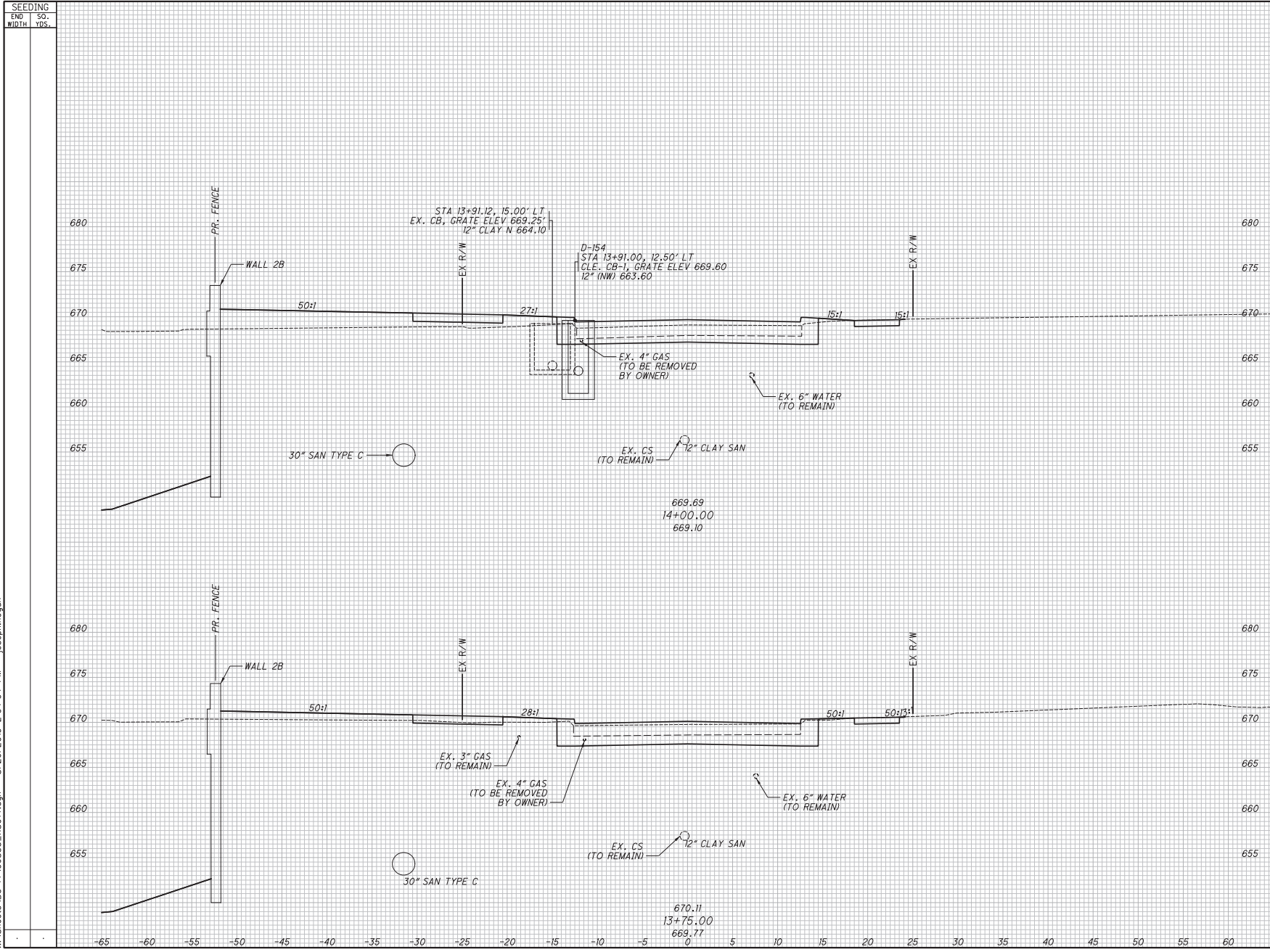
NO. DATE
 0 2019-07-29 RFC David R. Penhatch
 DESCRIPTION
 ISSUE RECORD



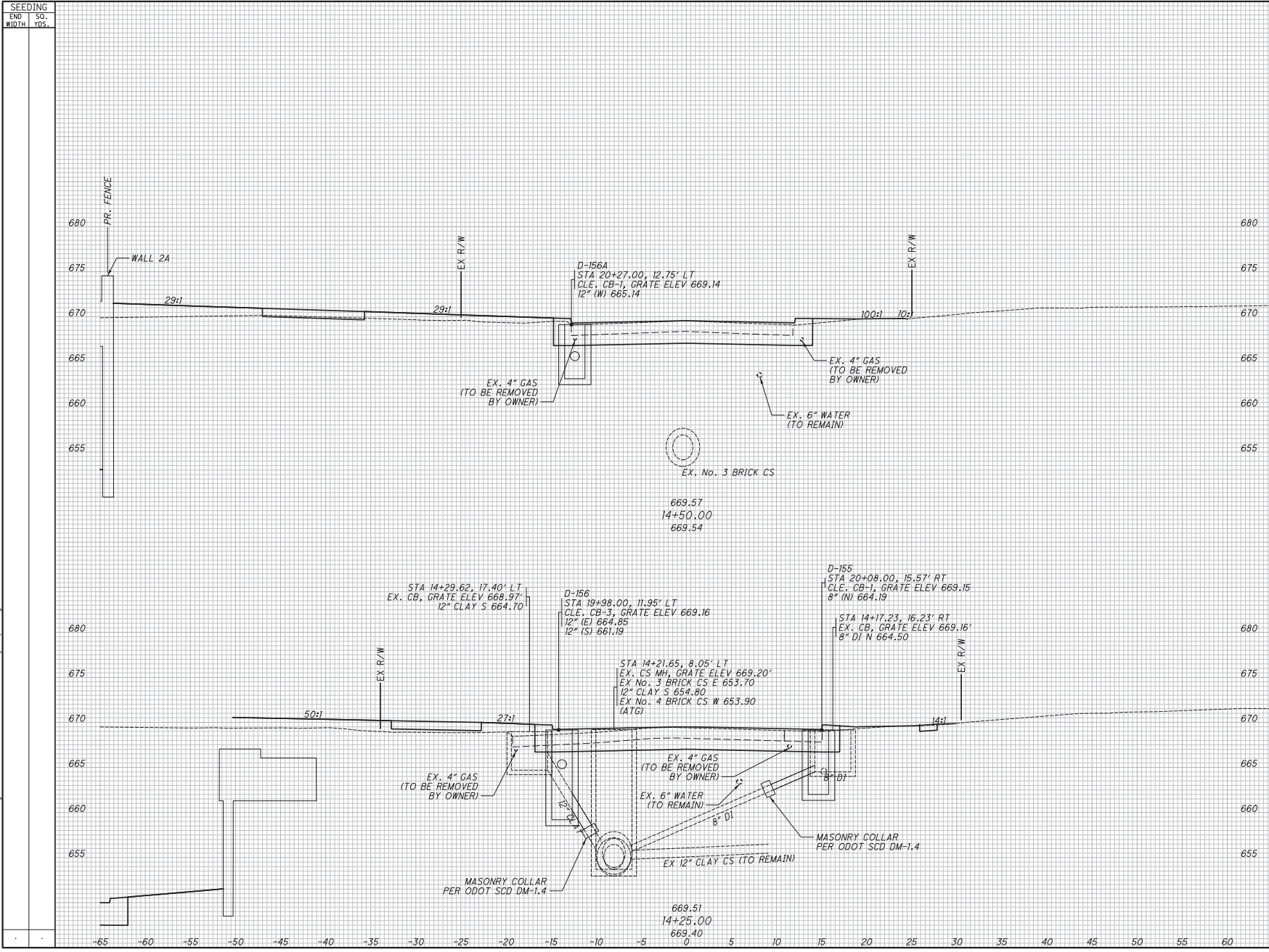


NO.	DATE	DESCRIPTION	VOLUME		CHECKED	SM
			CUT	FILL		
0	2019-07-29	RFI				
		David R. Penhatch				
ISSUE RECORD						
CUY-IR490/SR010- 2.09 / 19.28						
211 303						

RELEASED
 FOR CONSTRUCTION
 CROSS SECTIONS - E. 59TH ST.
 STA. 13+25.00 TO STA. 13+50.00



NO.	DATE	DESCRIPTION	END AREA		VOLUME		CALCULATED JTH	CHECKED	SM
			CUT	FILL	CUT	FILL			
0	2019-07-29	RF							
<p>RELEASED</p> <p>FOR CONSTRUCTION</p> <p>CROSS SECTIONS - E. 59TH ST. STA. 13+75.00 TO STA. 14+00.00</p> <p>CUY-IR490/SR010- 2.09 / 19.28</p>									
<p>David R. Penick</p> <p>ISSUE RECORD</p>									
<p>212</p> <p>303</p>									



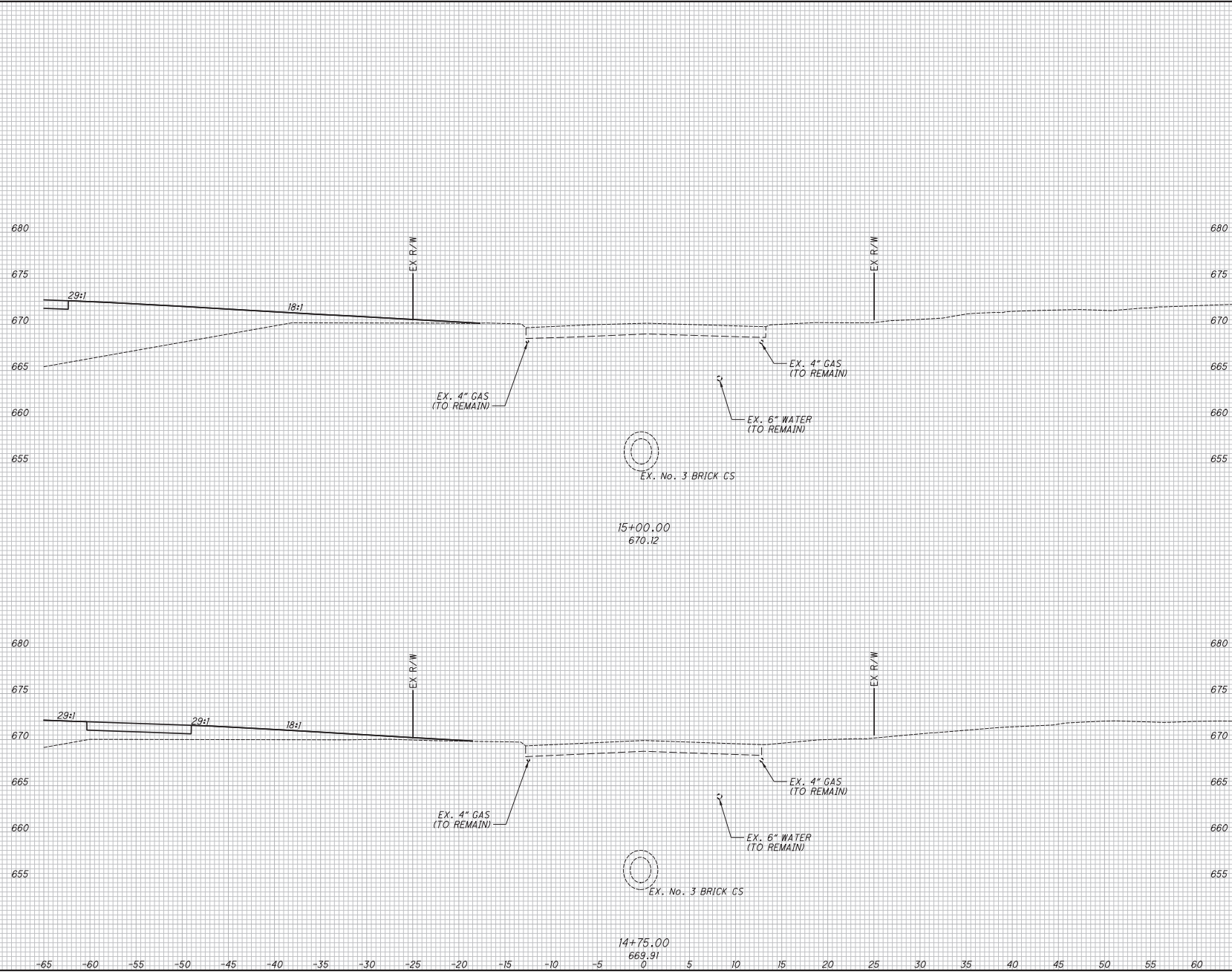
SEEDING		END SO. YDS.		END AREA		VOLUME		CALCULATED		CHECKED	
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	CUT	FILL	JTH	SM	JTH	SM

0 2019-07-29 RFC <i>David R. Penhatch</i> NO. DATE DESCRIPTION ISSUE RECORD		CUY-IR490/SR010- 2.09 / 19.28

RELEASED
 FOR CONSTRUCTION
 CROSS SECTIONS - E. 59TH ST.
 STA. 14+25.00 TO STA. 14+50.00

SEEDING	
END WIDTH	SO. YDS.

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM



RELEASED
 FOR CONSTRUCTION

CROSS SECTIONS - E. 59TH ST.
 STA. 14+75.00 TO STA. 15+00.00

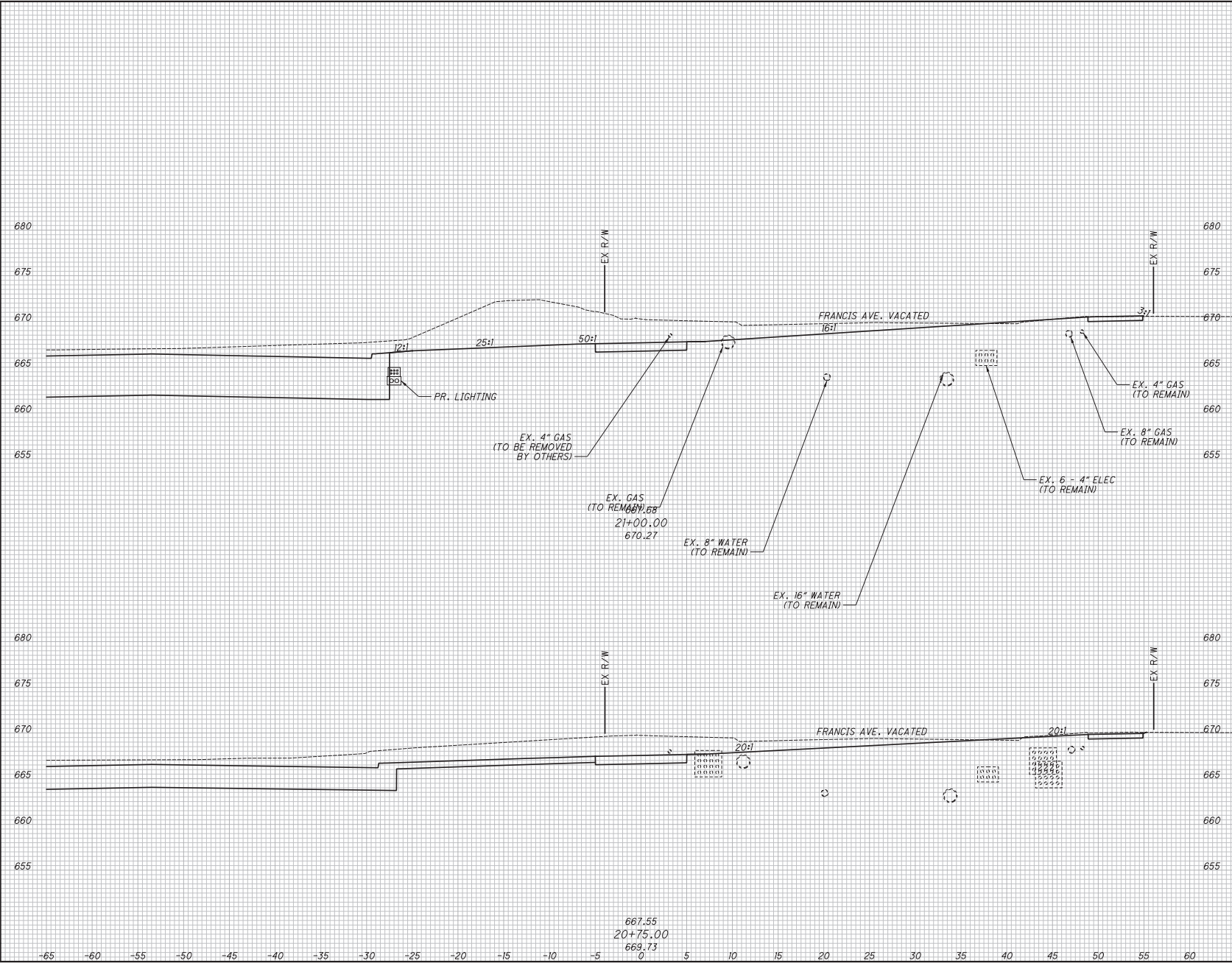
ISSUE RECORD
 David R. Penick

NO. DATE
 0 2019-07-29 RFC

CUY-IR490/SR010-
 2.09 / 19.28

214
 303

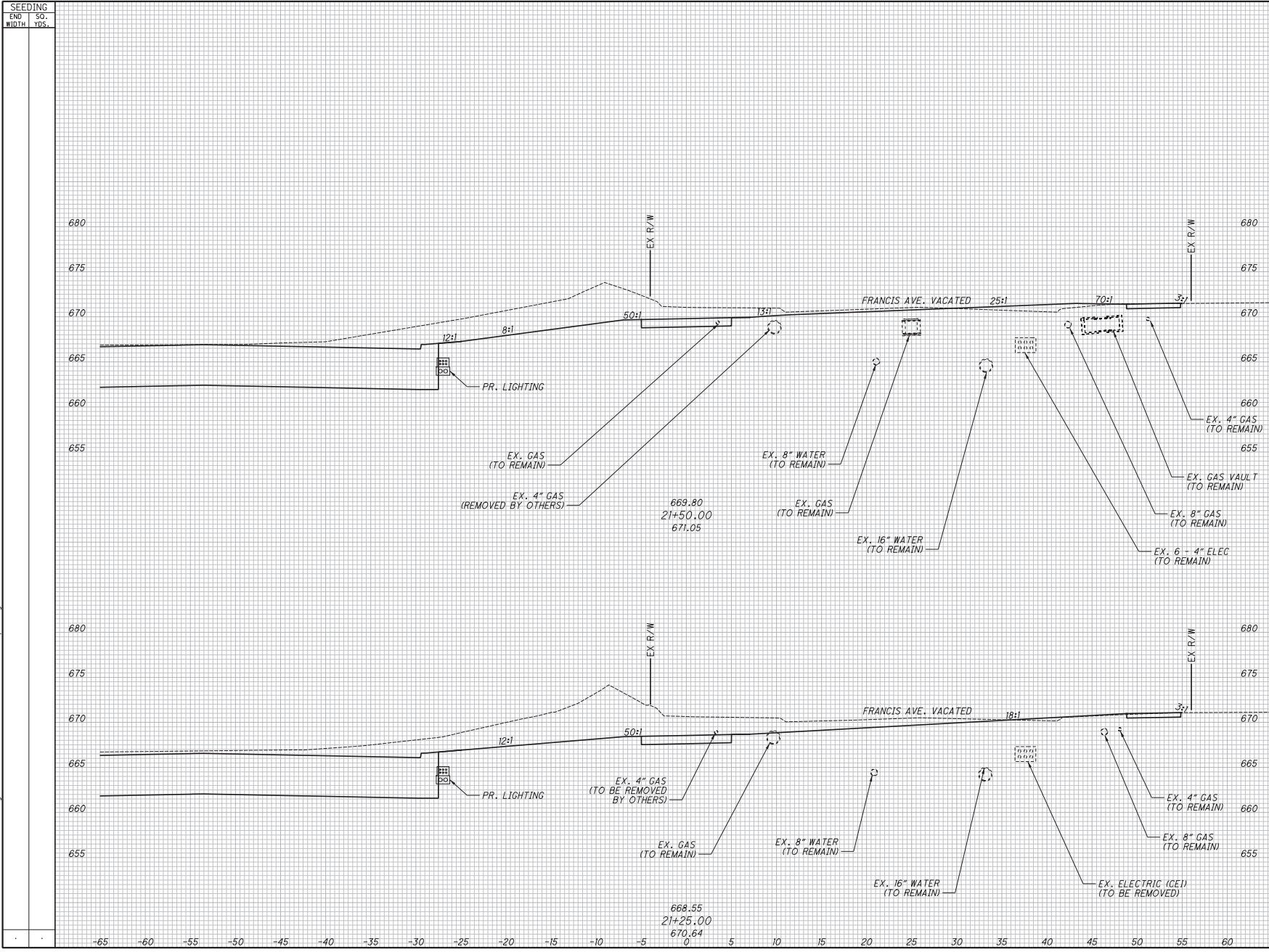
SEEDING	
END WIDTH	SO. YDS.



END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM

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

NO.	DATE	DESCRIPTION
0	2019-07-29	ISSUE RECORD
		David R. Penhatch
CUY-IR490/SR010- 2.09 / 19.28		
215 303		



NO.	DATE	RFC	DESCRIPTION	ISSUE RECORD		CALCULATED JTH	CHECKED SM
				DATE	DESCRIPTION		
0	2019-07-29	RF	David R. Penhatch				

END AREA	VOLUME	CALCULATED	CHECKED
CUT	FILL	CUT	FILL

RELEASED

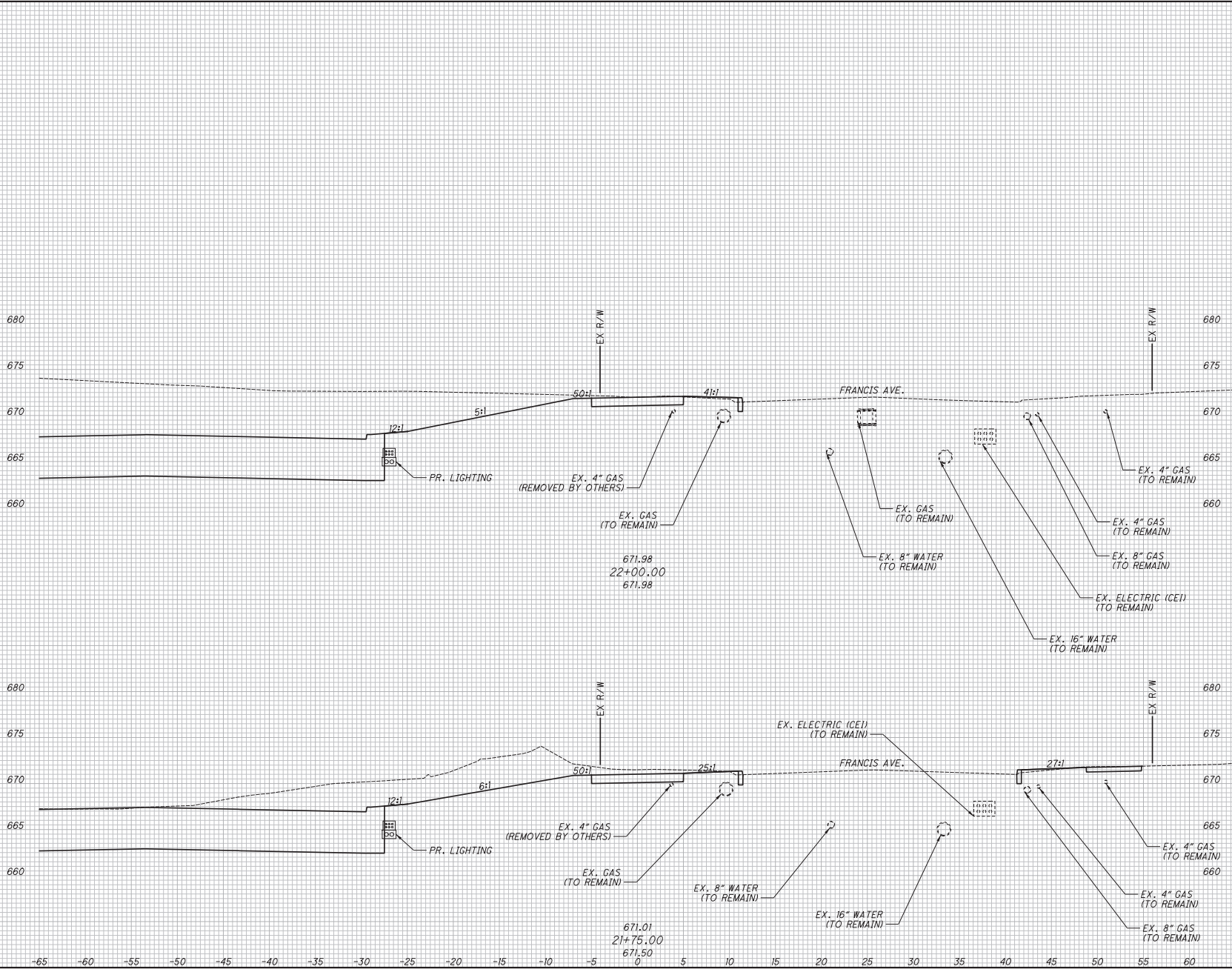
FOR CONSTRUCTION

CROSS SECTIONS - SHARED-USE PATH
 STA. 21+25.00 TO STA. 21+50.00

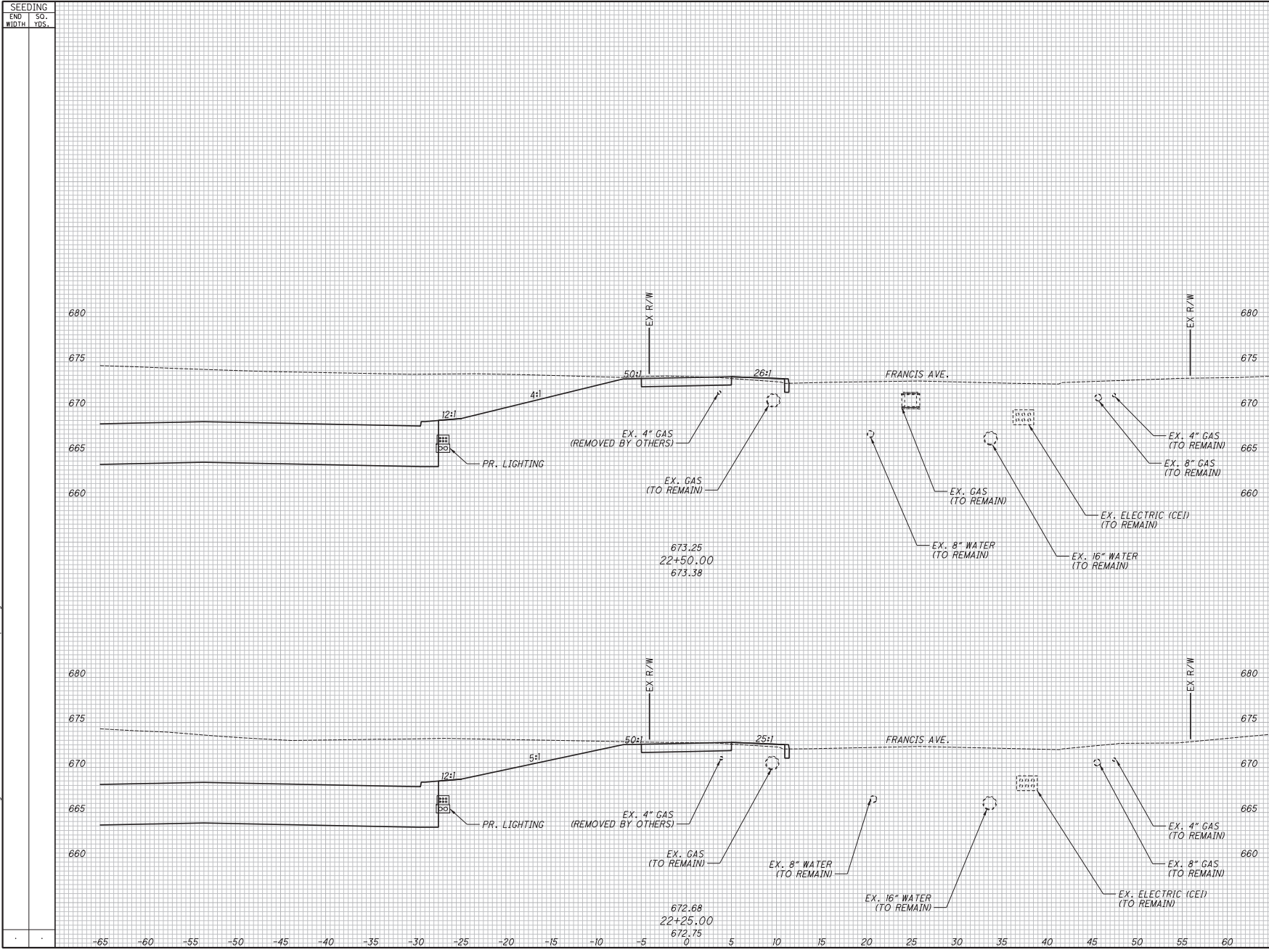
CUY-IR490/SR010-
 2.09 / 19.28

(216)
 (303)

SEEDING	
END WIDTH	SO. YDS.



END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM
RELEASED					
FOR CONSTRUCTION					
CROSS SECTIONS - SHARED-USE PATH					
STA. 21+75.00 TO STA. 22+00.00					
NO. DATE		ISSUE RECORD		217	
0 2019-07-29		RFC David R. Penhatch		2.09 / 19.28	
		DESCRIPTION		303	



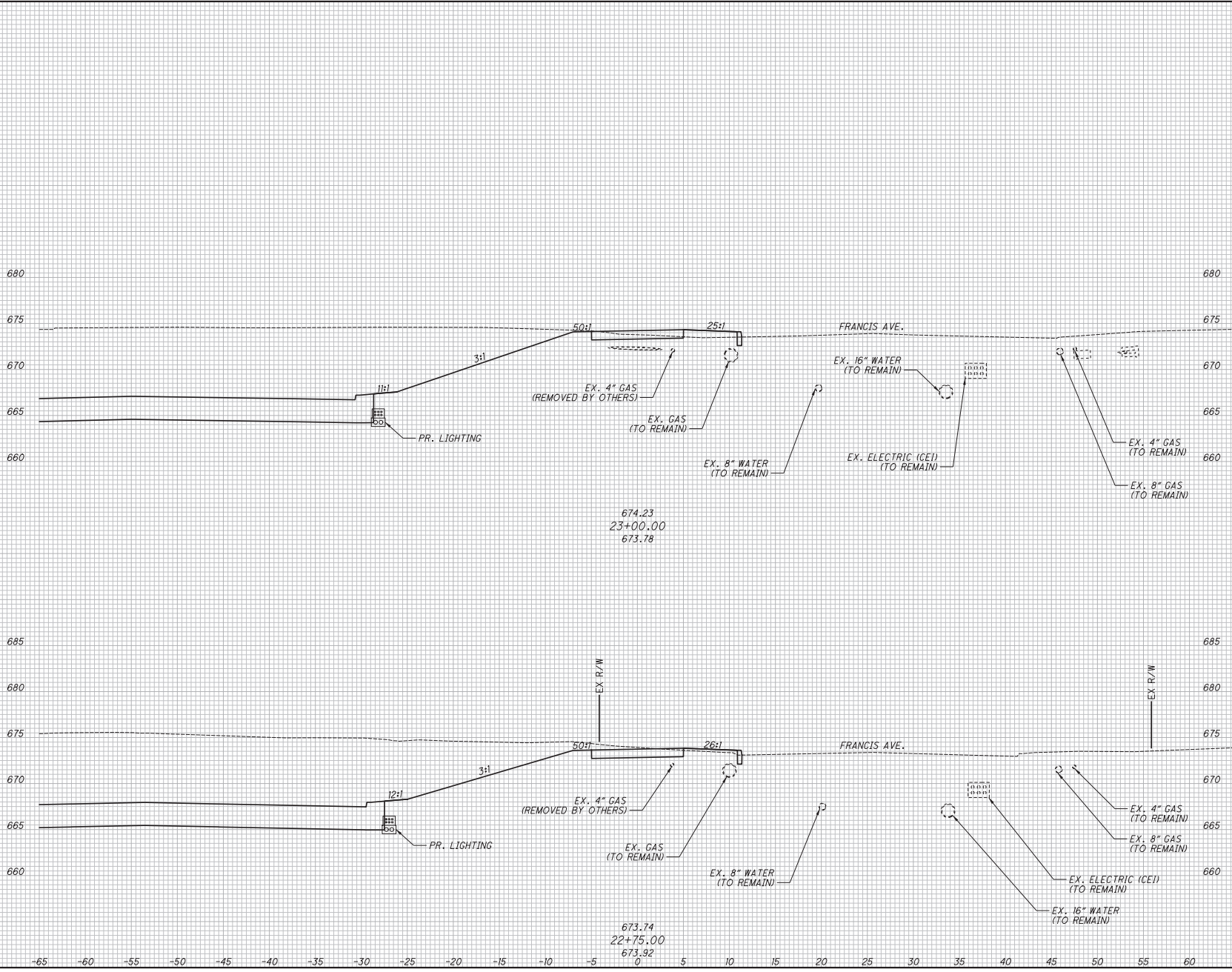
SEEDING		END AREA		VOLUME		CALCULATED	
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	JTH	SM

<p style="text-align: center; font-size: 2em; font-weight: bold;">RELEASED</p> <p style="text-align: center; font-size: 3em; font-weight: bold;">FOR CONSTRUCTION</p>		<p>CROSS SECTIONS - SHARED-USE PATH</p> <p>STA. 22+25.00 TO STA. 22+50.00</p>	
		<p>CUY-IR490/SR010-</p> <p>2.09 / 19.28</p>	

NO.	DATE	ISSUE RECORD
0	2019-07-29	<p>RFI <i>David R. Penhatch</i></p> <p>DESCRIPTION</p>

218
303

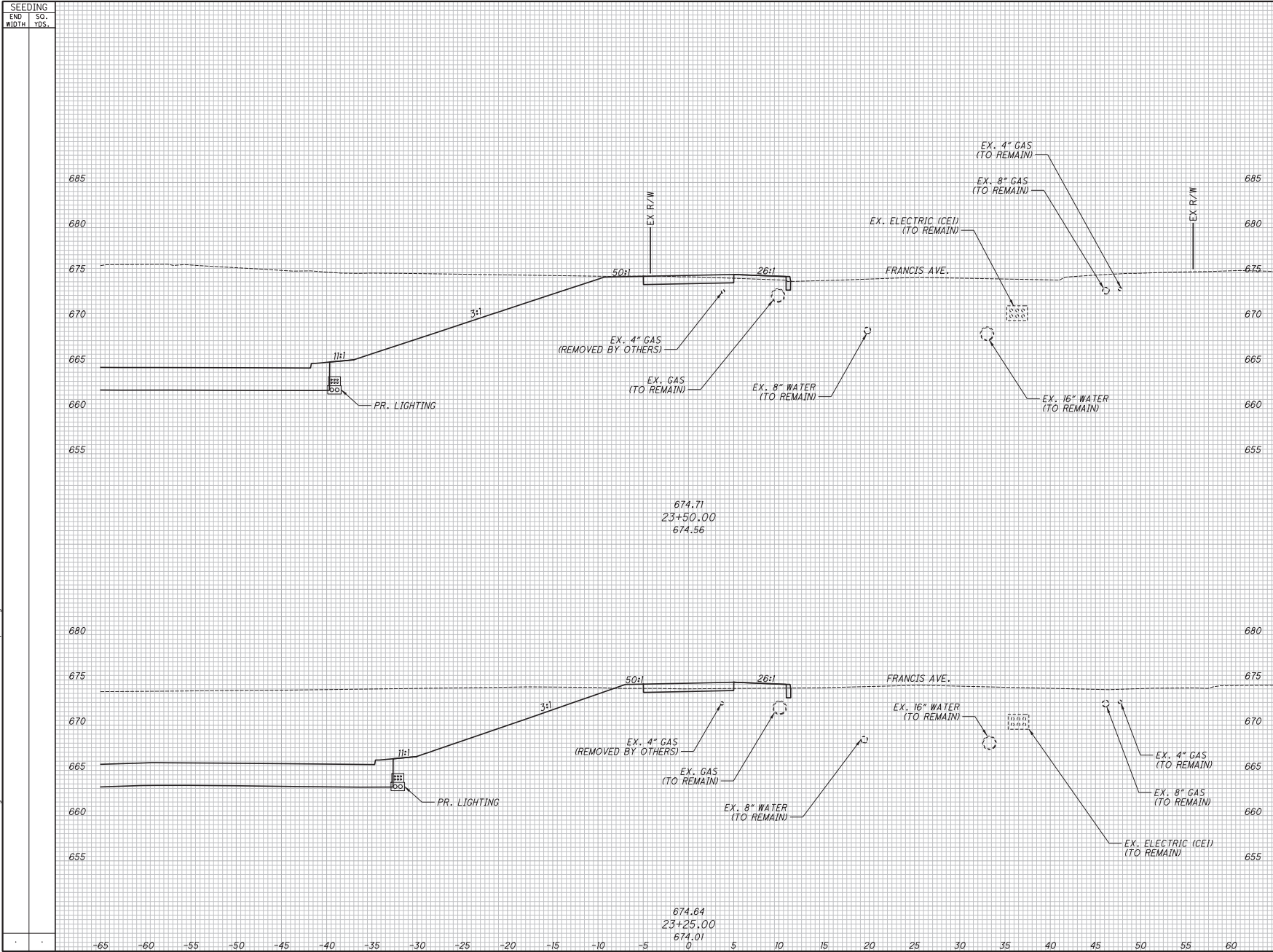
SEEDING
END WIDTH
SO. YDS.



END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM

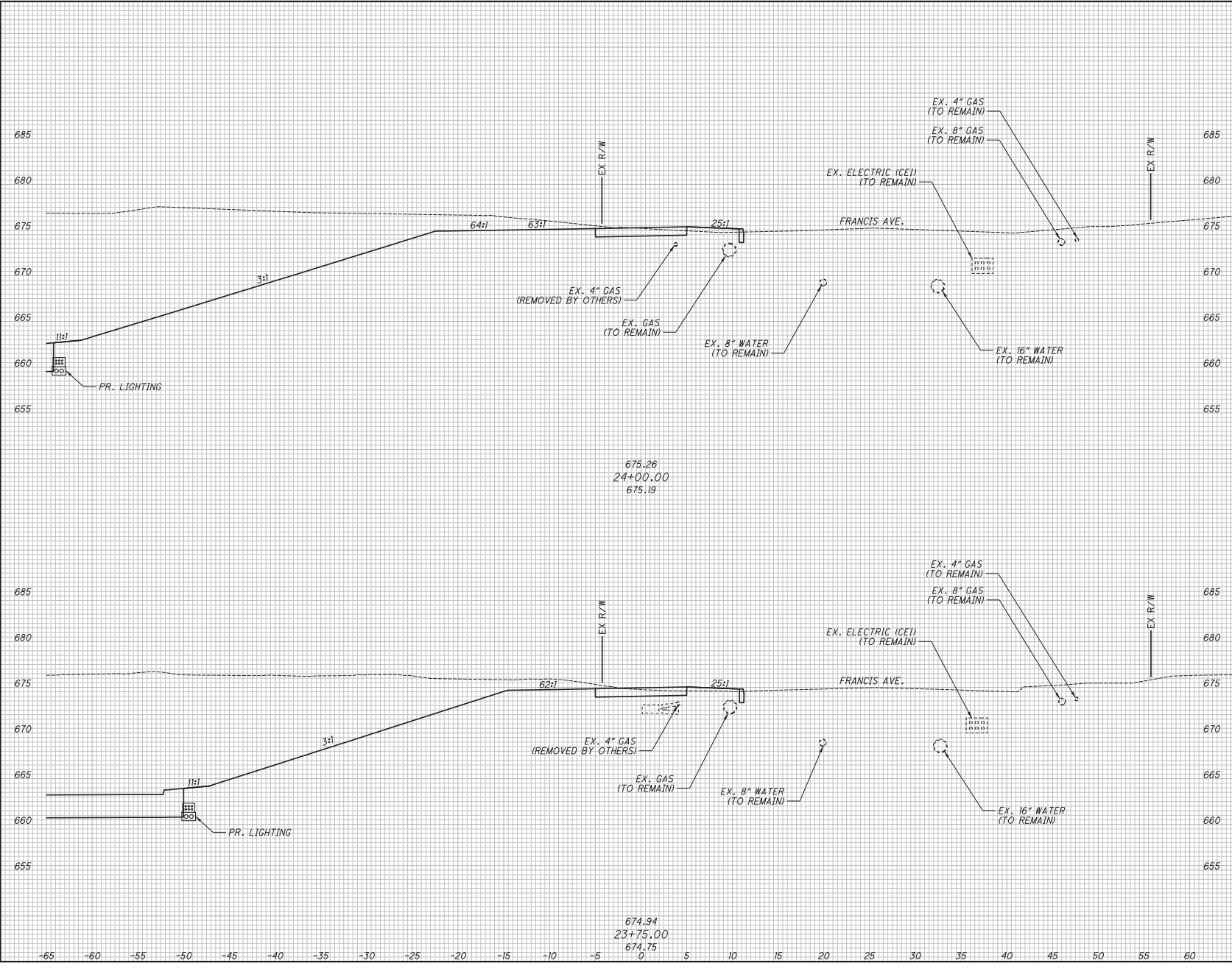
RELEASED
 FOR CONSTRUCTION
 CROSS SECTIONS - SHARED-USE PATH
 STA. 22+75.00 TO STA. 23+00.00

NO.	DATE	DESCRIPTION	ISSUE RECORD
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CUY-IR490/SR010- 2.09 / 19.28			
219 303			

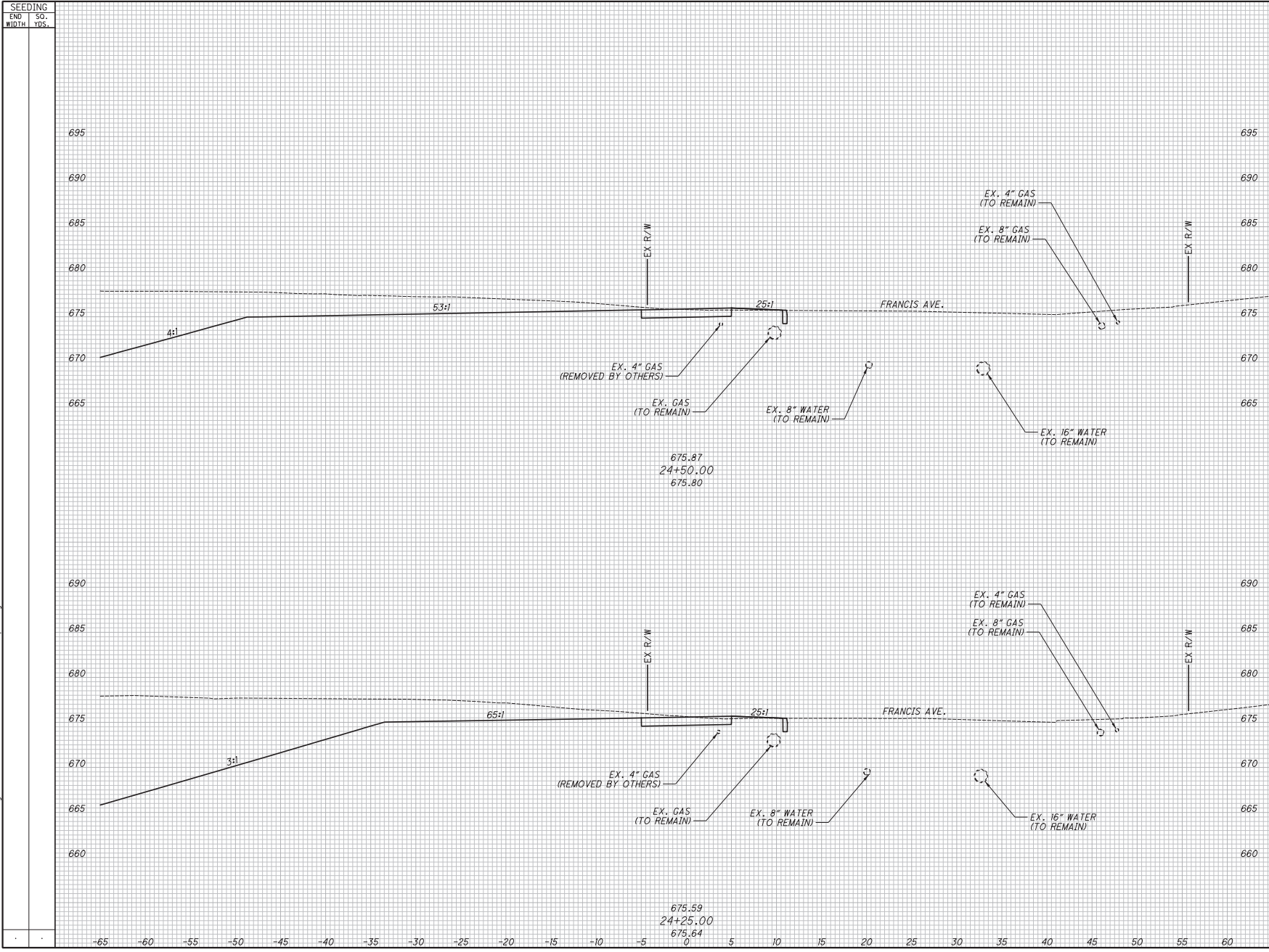


NO.	DATE	DESCRIPTION	END AREA		VOLUME		CALCULATED JTH	CHECKED SM		
			CUT	FILL	CUT	FILL				
0	2019-07-29	RFC David R. Penhatch								
ISSUE RECORD										
CUY-IR490/SR010-			CROSS SECTIONS - SHARED-USE PATH							
			STA. 23+25.00 TO STA. 23+50.00							
			2.09 / 19.28							
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220										
303										

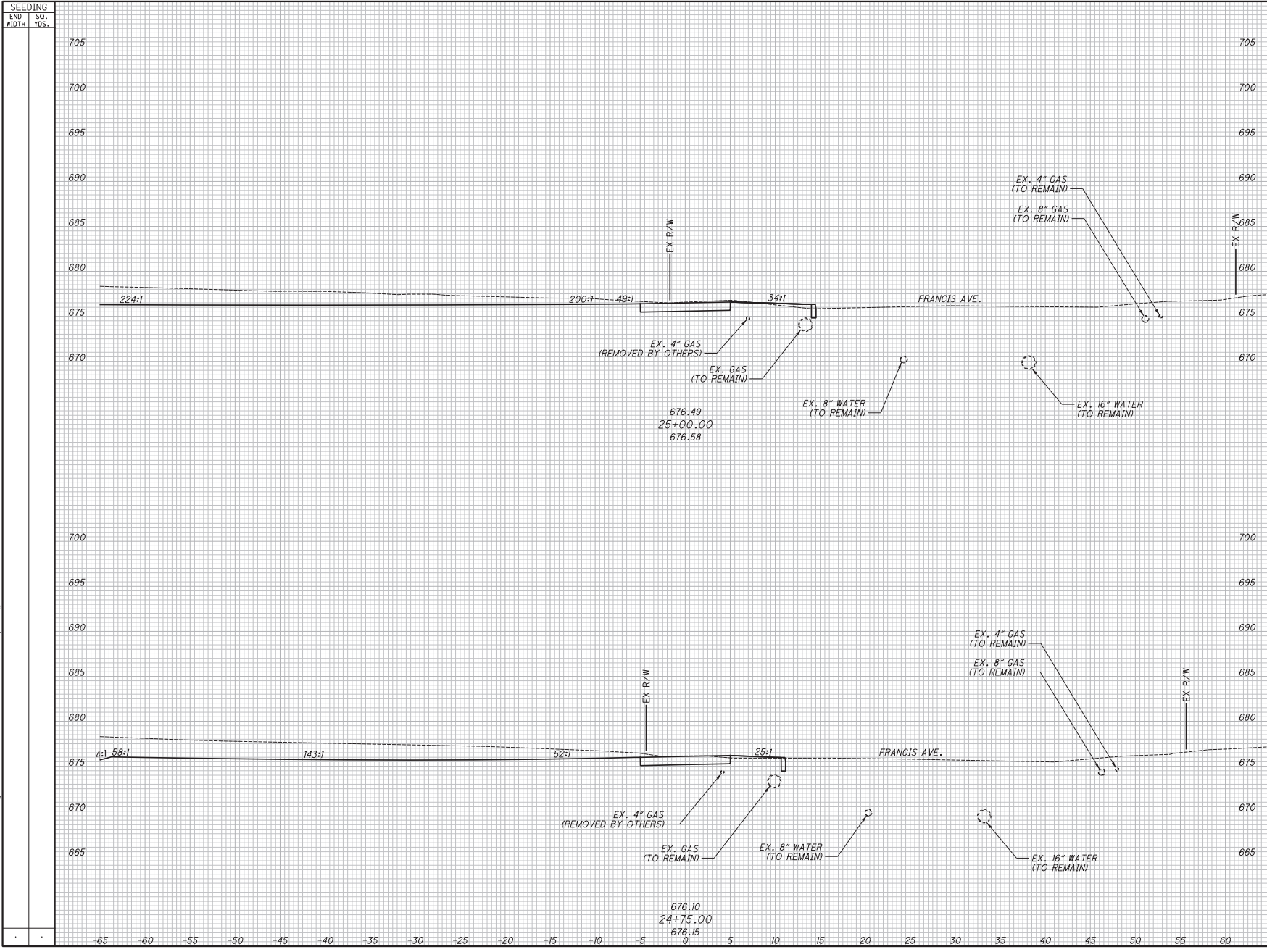
SEEDING
END WIDTH
SO. YDS.



END CUT	AREA FILL	VOLUME CUT	VOLUME FILL	CALCULATED JTH	CHECKED SM
<p>RELEASED</p> <p>FOR CONSTRUCTION</p> <p>CROSS SECTIONS - SHARED-USE PATH</p> <p>STA. 23+75.00 TO STA. 24+00.00</p>					
NO.	DATE	ISSUE RECORD	DESCRIPTION		
0	2019-07-29	RF	David R. Penhatch		
<p>CUY-IR490/SR010-</p> <p>2.09 / 19.28</p>					
<p>(221)</p> <p>(303)</p>					



NO.	DATE	DESCRIPTION	END AREA		VOLUME		CALCULATED JTH	CHECKED SM
			CUT	FILL	CUT	FILL		
0	2019-07-29	RFC <i>David R. Penhatch</i>						
		ISSUE RECORD						
CUY-IR490/SR010- 2.09 / 19.28			CROSS SECTIONS - SHARED-USE PATH STA. 24+25.00 TO STA. 24+50.00					
222 303			RELEASED FOR CONSTRUCTION					



NO.	DATE	RFC	DESCRIPTION	ISSUE RECORD	
				ISSUE	RECORD
0	2019-07-29	RF	David R. Penhatch		

END	AREA	VOLUME		CALCULATED	CHECKED	SM
		CUT	FILL			

RELEASED

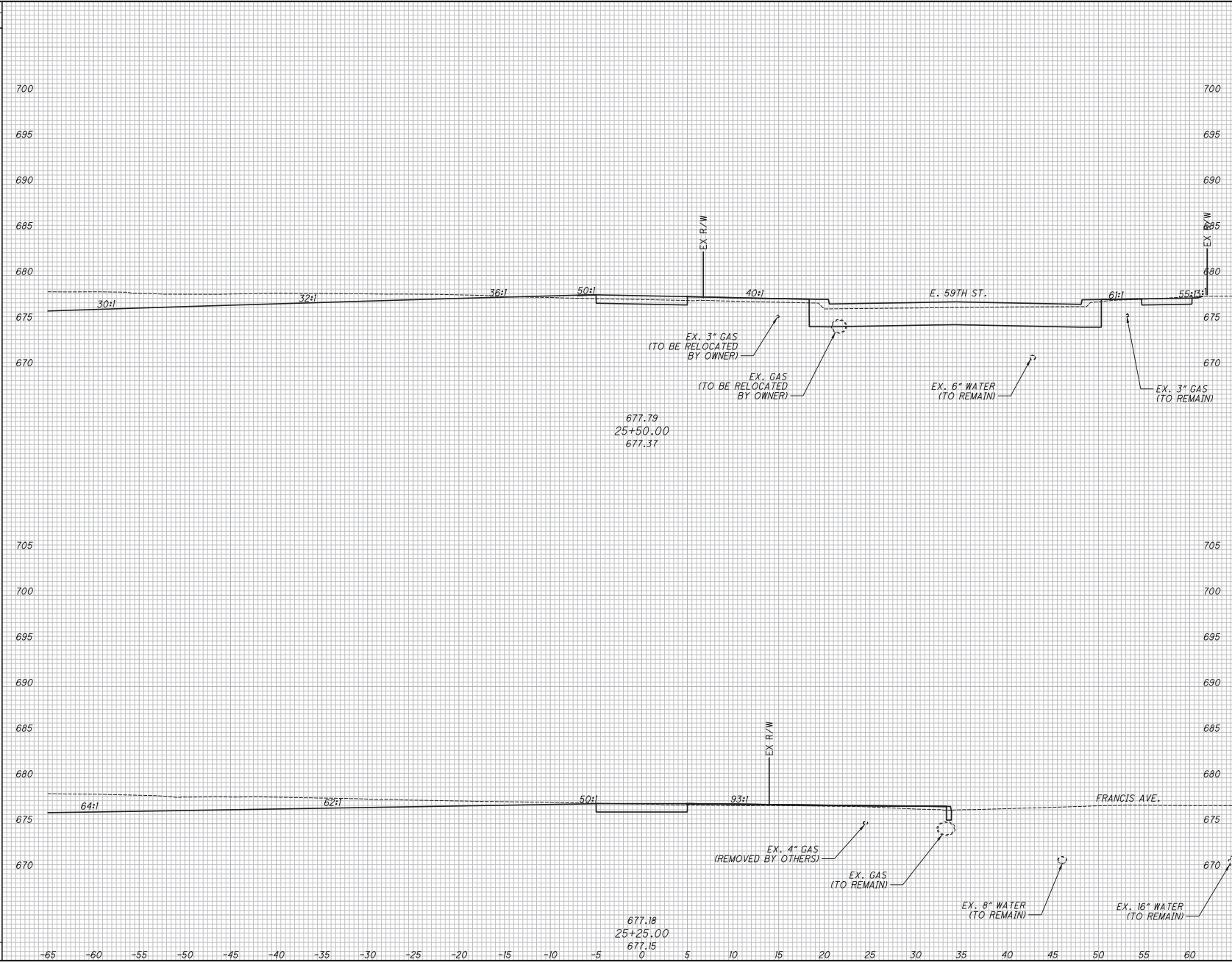
FOR CONSTRUCTION

CROSS SECTIONS - SHARED-USE PATH
 STA. 24+75.00 TO STA. 25+00.00

CUY-IR490 / SR010-
 2.09 / 19.28

223
 303

SEEDING
END WIDTH
SO. YDS.



END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM
RELEASED					
FOR CONSTRUCTION					
CROSS SECTIONS - SHARED-USE PATH					
STA. 25+25.00 TO STA. 25+50.00					
NO. DATE		DESCRIPTION		ISSUE RECORD	
0	2019-07-29	RF	David R. Penhatch		
224		2.09 / 19.28			
303					

SEEDING	
END WIDTH	SO. YDS.

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM

RELEASED FOR CONSTRUCTION

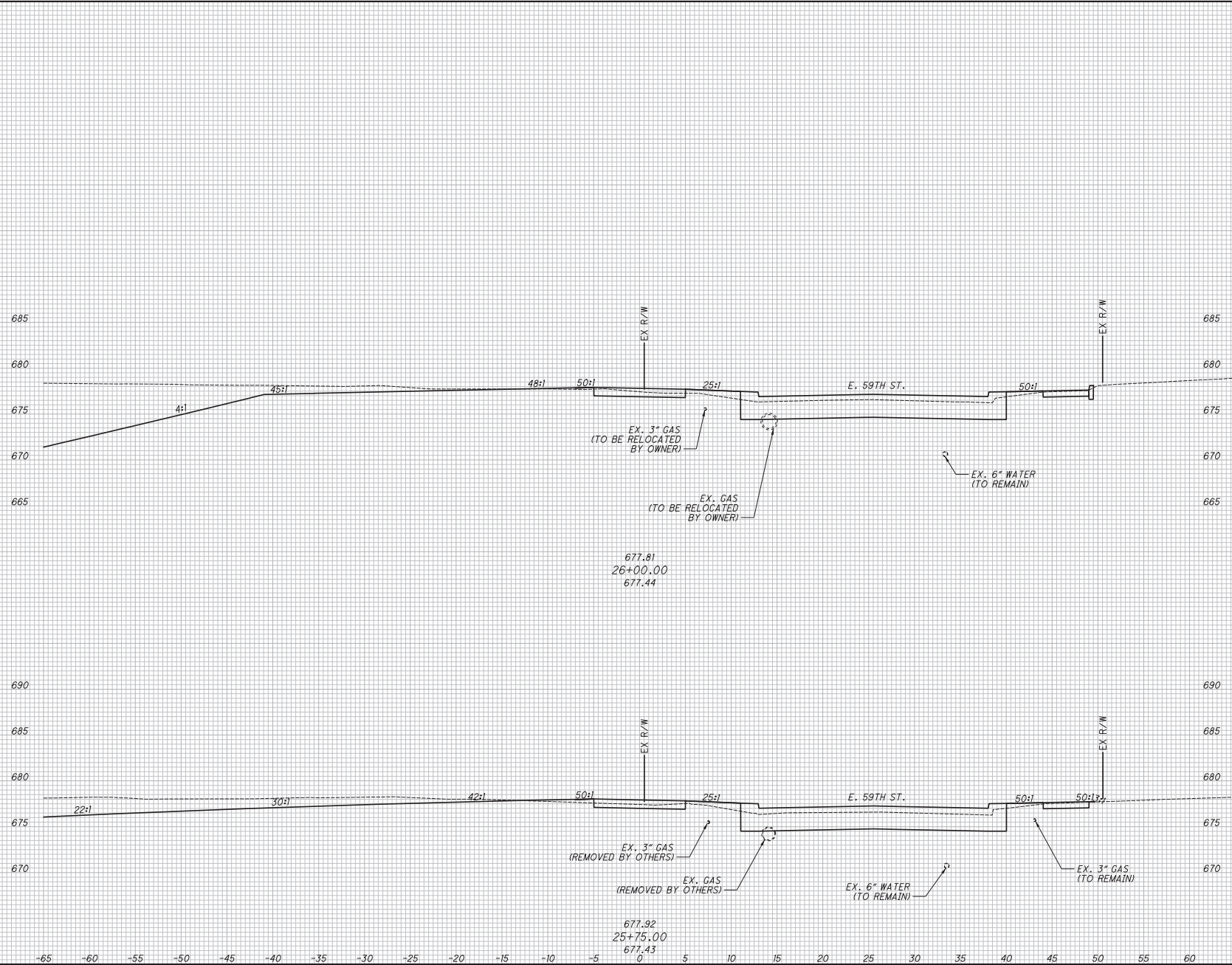
CROSS SECTIONS - SHARED-USE PATH
 STA. 25+75.00 TO STA. 26+00.00

CUY-IR490/SR010-
 2.09 / 19.28

ISSUE RECORD
 NO. DATE DESCRIPTION

0 2019-07-29 RFC *David R. Penick*

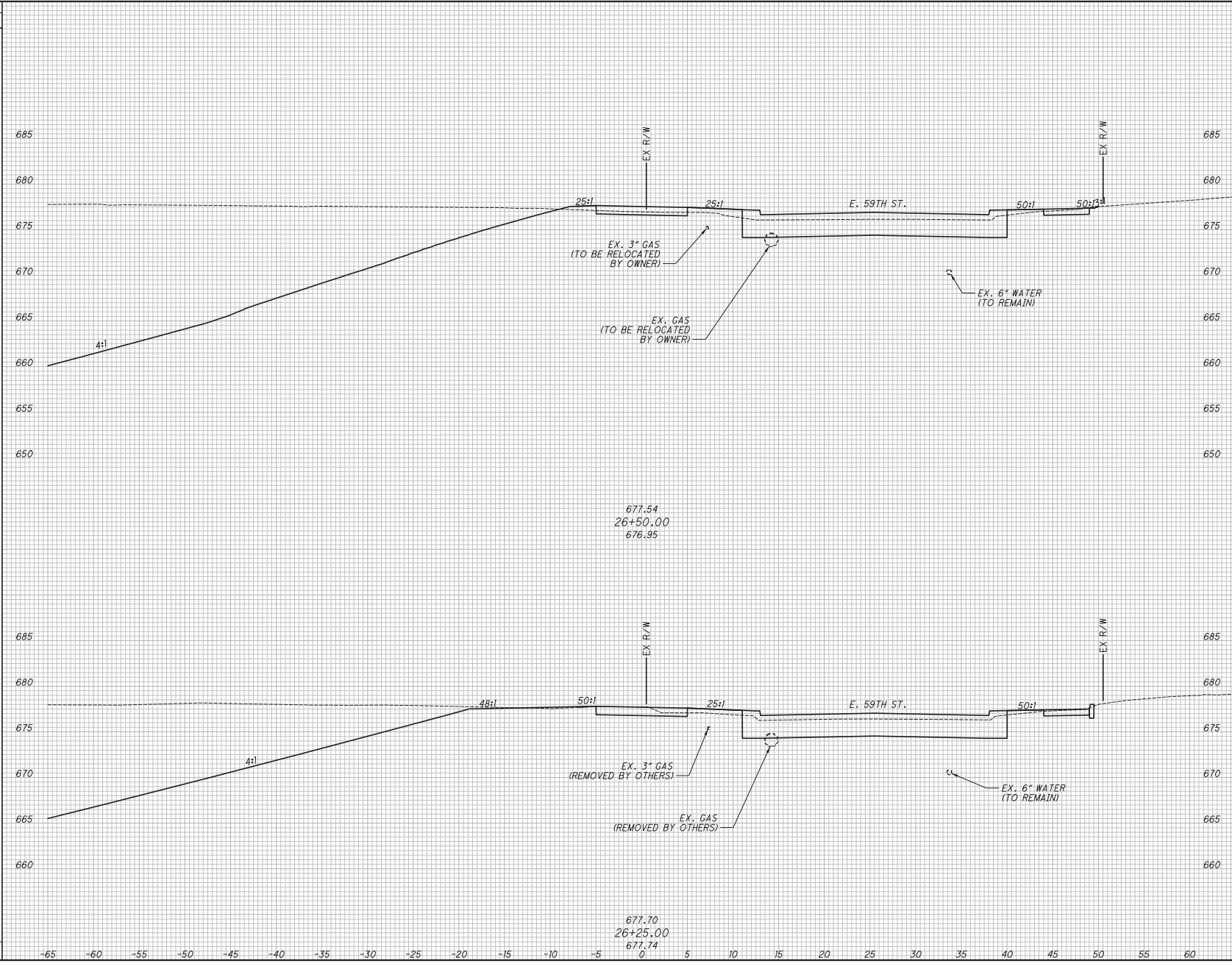
225
303



677.81
 26+00.00
 677.44

677.92
 25+75.00
 677.43
 0'

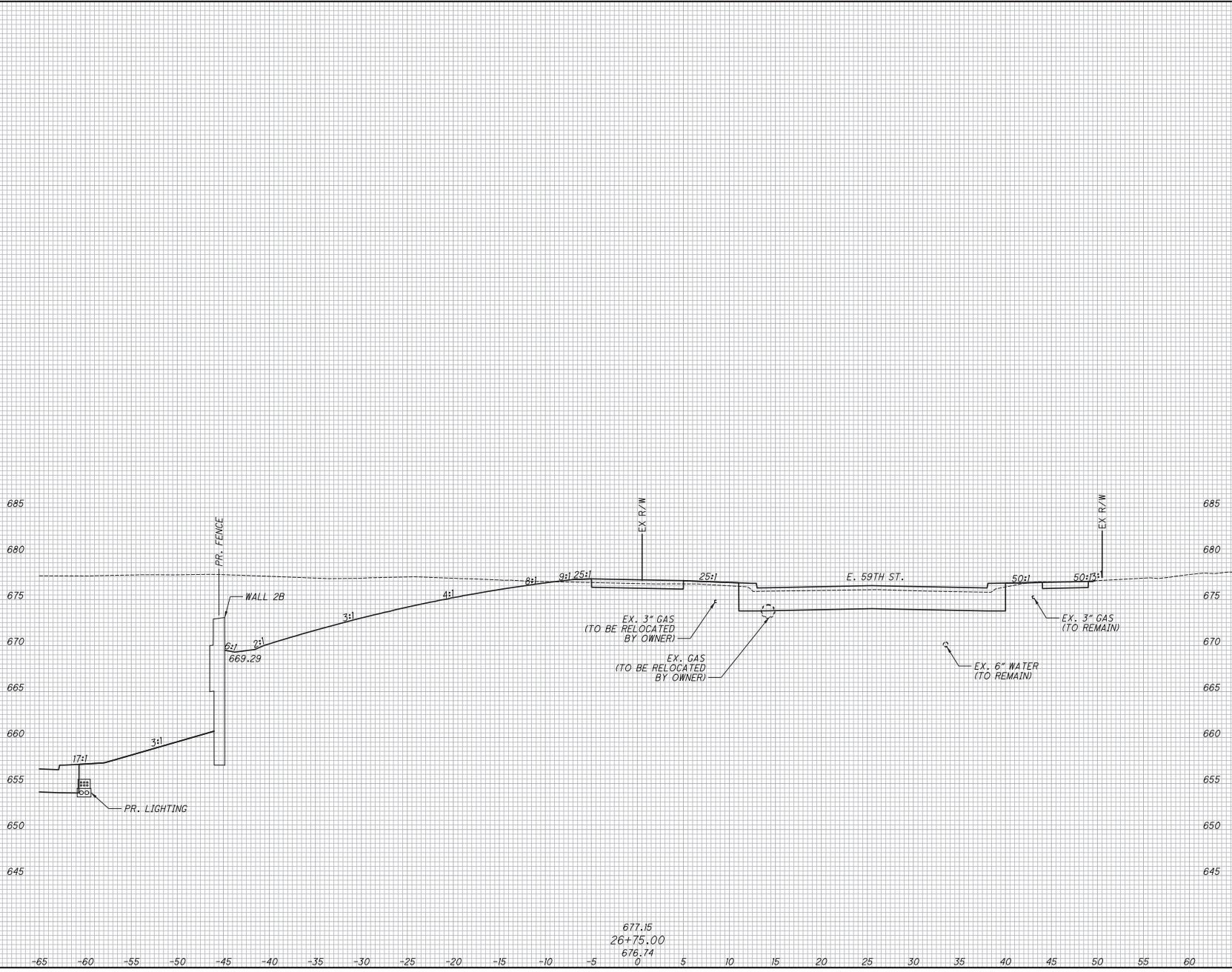
SEEDING	SO.
END WIDTH	YDS.



NO.	DATE	DESCRIPTION	END AREA		VOLUME		CALCULATED JTH	CHECKED SM		
			CUT	FILL	CUT	FILL				
0	2019-07-29	RFI David R. Penick								
ISSUE RECORD										
<p style="text-align: center;">CUY-IR490 / SR010 - 2.09 / 19.28</p>										
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226										
303										

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

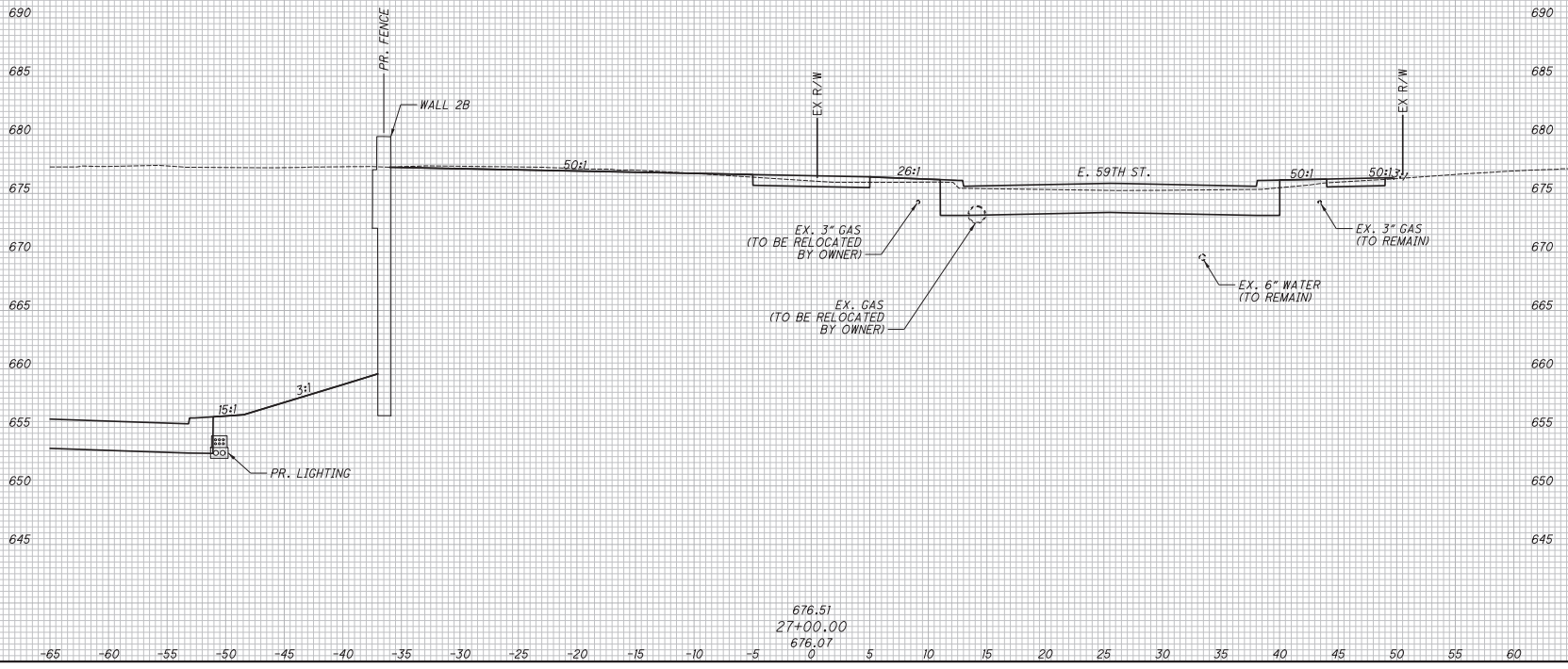
SEEDING	
END WIDTH	SO. YDS.



677.15
26+75.00
676.74
0

END AREA		VOLUME		CALCULATED		CHECKED	
CUT	FILL	CUT	FILL	JTH	SM		
RELEASED							
FOR CONSTRUCTION							
CROSS SECTIONS - SHARED-USE PATH							
STA. 26+75.00							
NO.		DATE		DESCRIPTION		ISSUE RECORD	
0		2019-07-29		RFC		David R. Penick	
227		303		CUY-IR490 / SR010-		2.09 / 19.28	

SEEDING	
END WIDTH	SO. YDS.



676.51
 27+00.00
 676.07
 0

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM

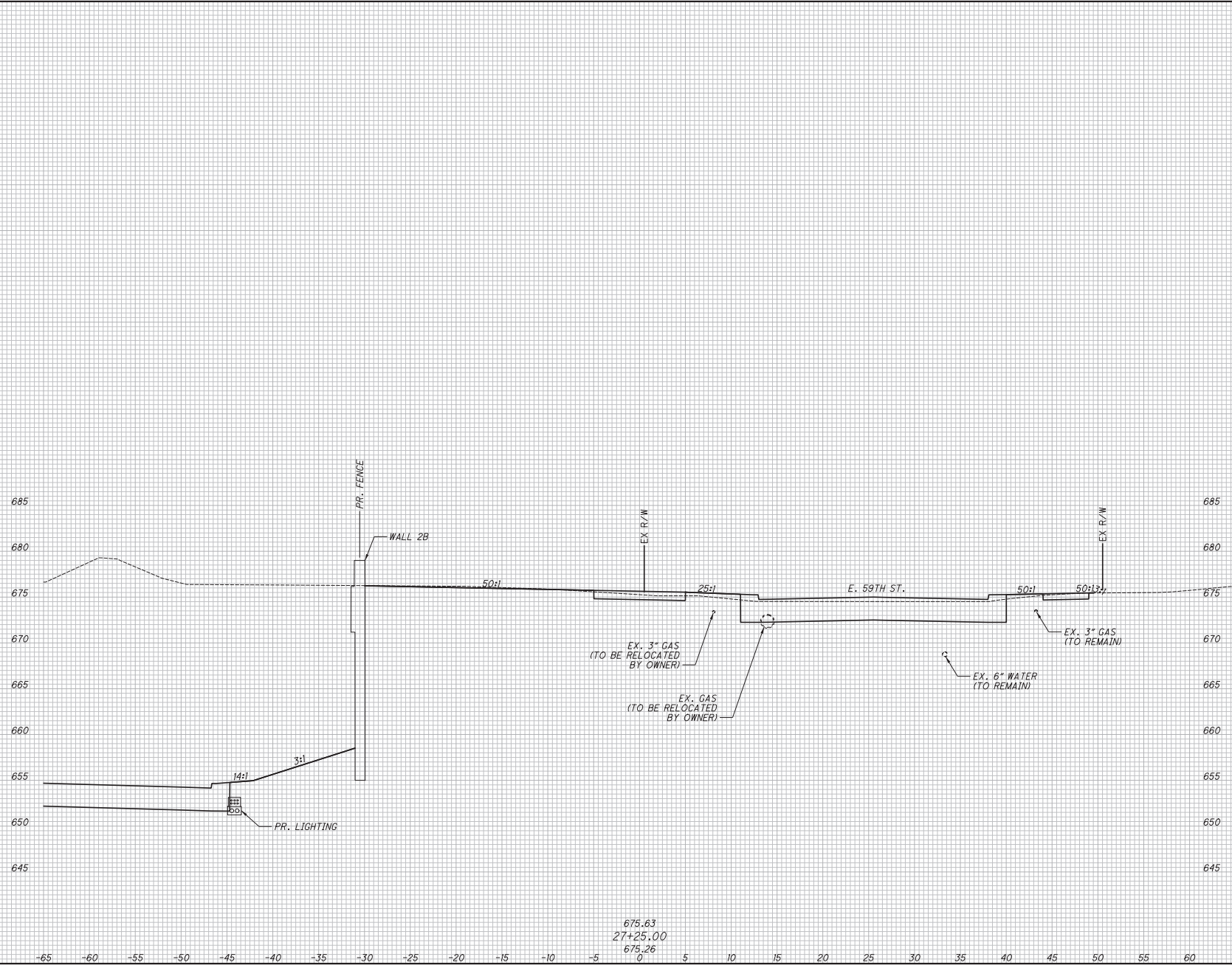
RELEASED
 FOR CONSTRUCTION
 CROSS SECTIONS - SHARED-USE PATH
 STA. 27+00.00

NO.	DATE	DESCRIPTION
0	2019-07-29	RFI
		David R. Penick
ISSUE RECORD		
CUY-IR490 / SR010- 2.09 / 19.28		

228
 303

SEEDING	
END WIDTH	SO. YDS.

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM



675.63
 27+25.00
 675.26
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RELEASED
 FOR CONSTRUCTION
 CROSS SECTIONS - SHARED-USE PATH
 STA. 27+25.00

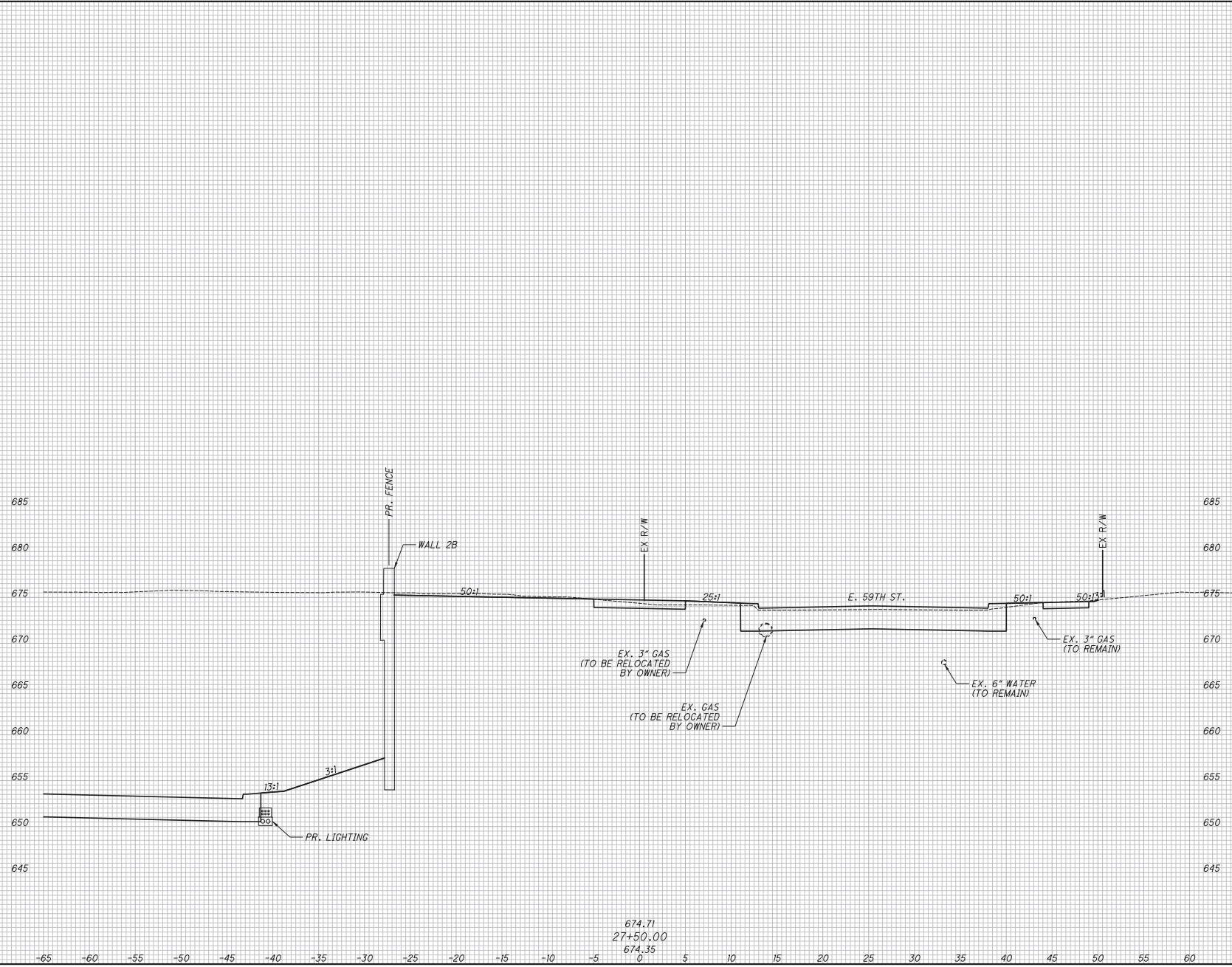
NO. DATE
 0 2019-07-29 RFC
 David R. Penhach
 DESCRIPTION
 ISSUE RECORD

CUY-IR490 / SR010-
 2.09 / 19.28

229
 303

SEEDING	
END WIDTH	SO. YDS.

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM



RELEASED FOR CONSTRUCTION

CROSS SECTIONS - SHARED-USE PATH
STA. 27+50.00

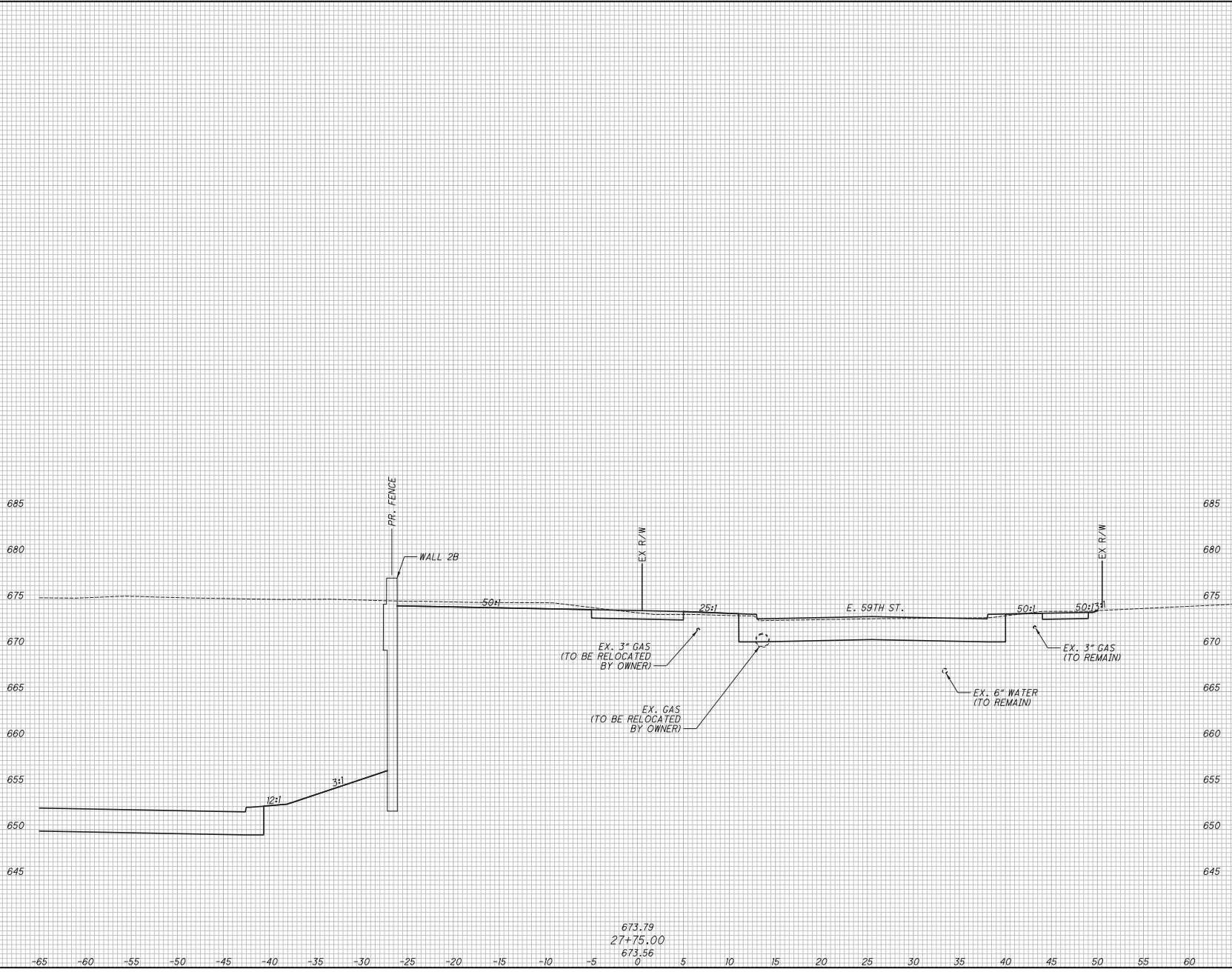
NO. DATE DESCRIPTION
0 2019-07-29 RFC *David R. Penick*

ISSUE RECORD
CUY-IR490 / SR010-
2.09 / 19.28

230
303

674.71
27+50.00
674.35
0

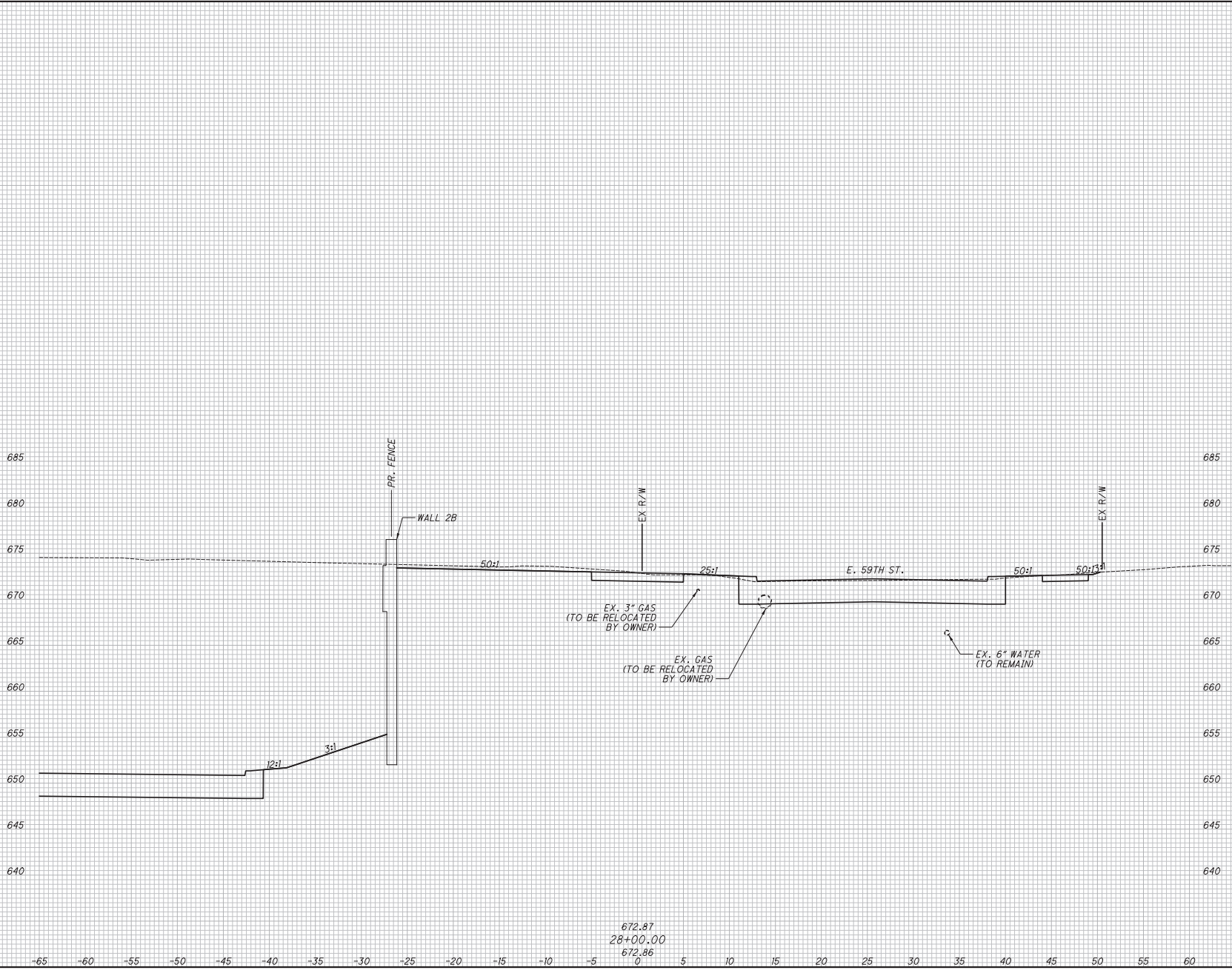
SEEDING	
END WIDTH	SO. YDS.



673.79
27+75.00
673.56
0

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM
RELEASED					
FOR CONSTRUCTION					
CROSS SECTIONS - SHARED-USE PATH					
STA. 27+75.00					
NO.		DATE		DESCRIPTION	
0		2019-07-29		RFC	
				David R. Penhach	
ISSUE RECORD					
CUY-IR490 / SR010-					
2.09 / 19.28					
231					
303					

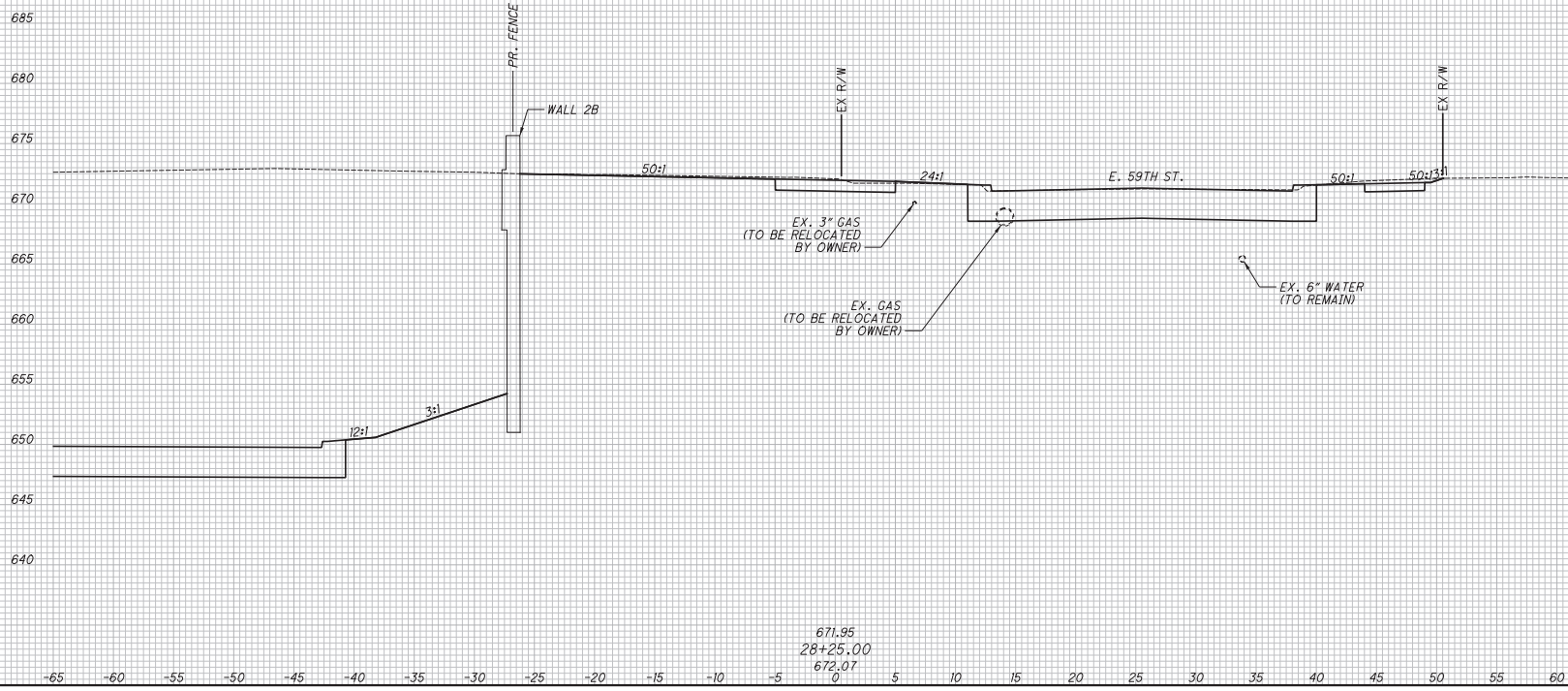
SEEDING	
END WIDTH	SO. YDS.



672.87
 28+00.00
 672.86
 0

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM
RELEASED					
FOR CONSTRUCTION					
CROSS SECTIONS - SHARED-USE PATH					
STA. 28+00.00					
NO.		DATE		DESCRIPTION	
0		2019-07-29		RFC	
				David R. Penhatch	
ISSUE RECORD					
CUY-IR490 / SR010-					
2.09 / 19.28					
				232 303	

SEEDING	
END WIDTH	SO. YDS.



671.95
28+25.00
672.07
0

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM

RELEASED

FOR CONSTRUCTION

CROSS SECTIONS - SHARED-USE PATH
STA. 28+25.00

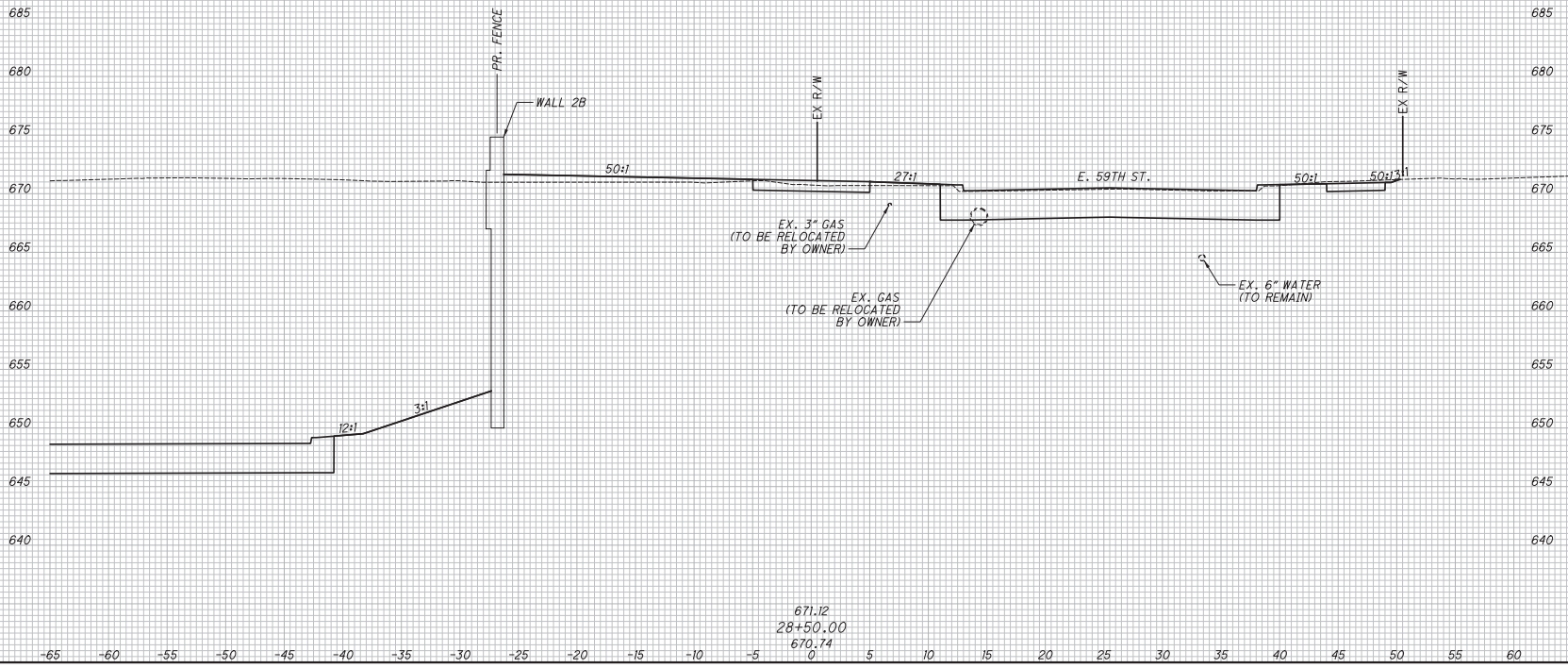
NO.	DATE	DESCRIPTION
0	2019-07-29	IFC
		David R. Penhatch

ISSUE RECORD

CUY-IR490 / SR010-
2.09 / 19.28

233
303

SEEDING	
END WIDTH	SO. YDS.



671.12
 28+50.00
 670.74
 0

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM

RELEASED
 FOR CONSTRUCTION

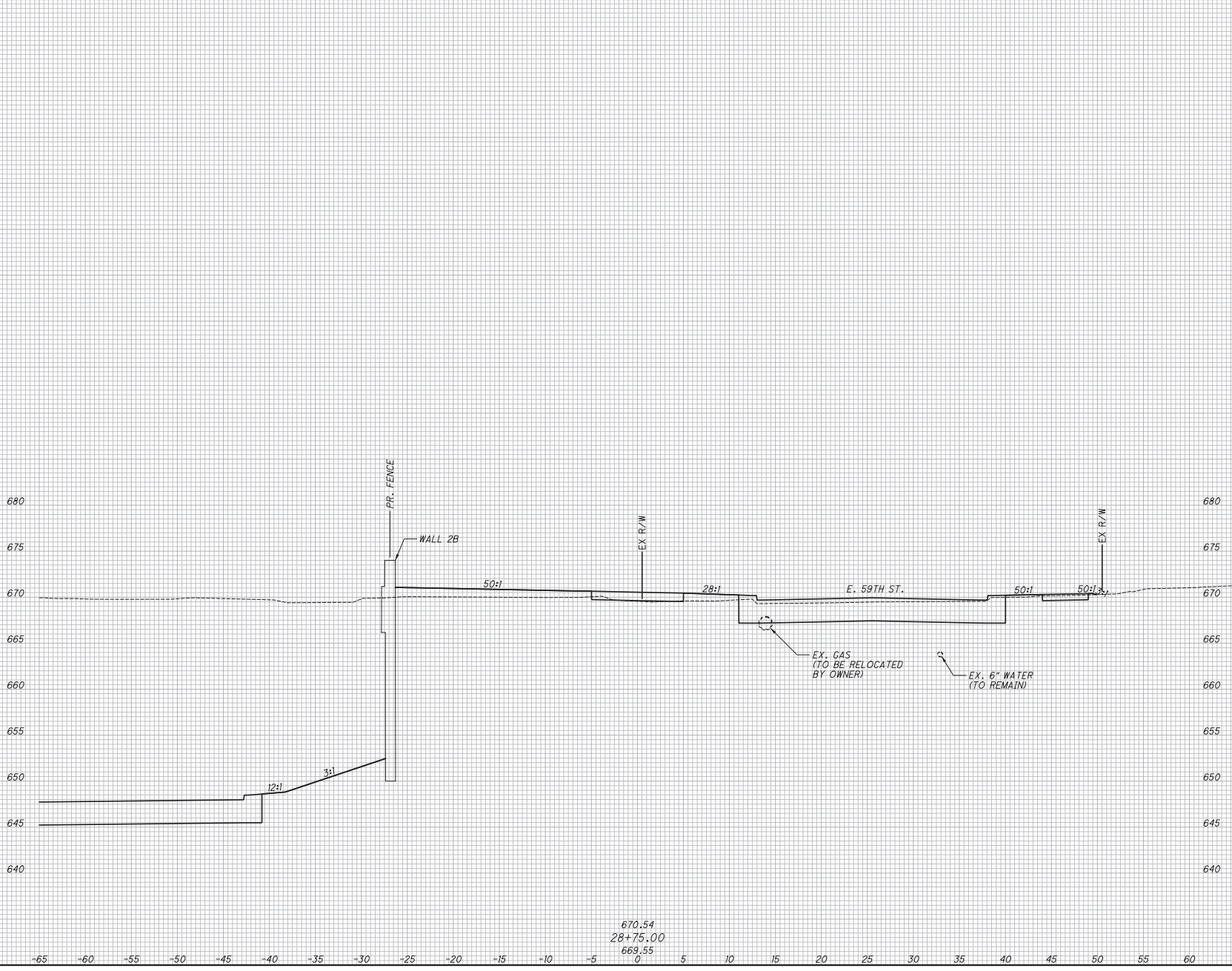
CROSS SECTIONS - SHARED-USE PATH
 STA. 28+50.00

NO. DATE
 0 2019-07-29
 DESCRIPTION
 David R. Penhatch
 ISSUE RECORD

CUY-IR490 / SR010-
 2.09 / 19.28

234
 303

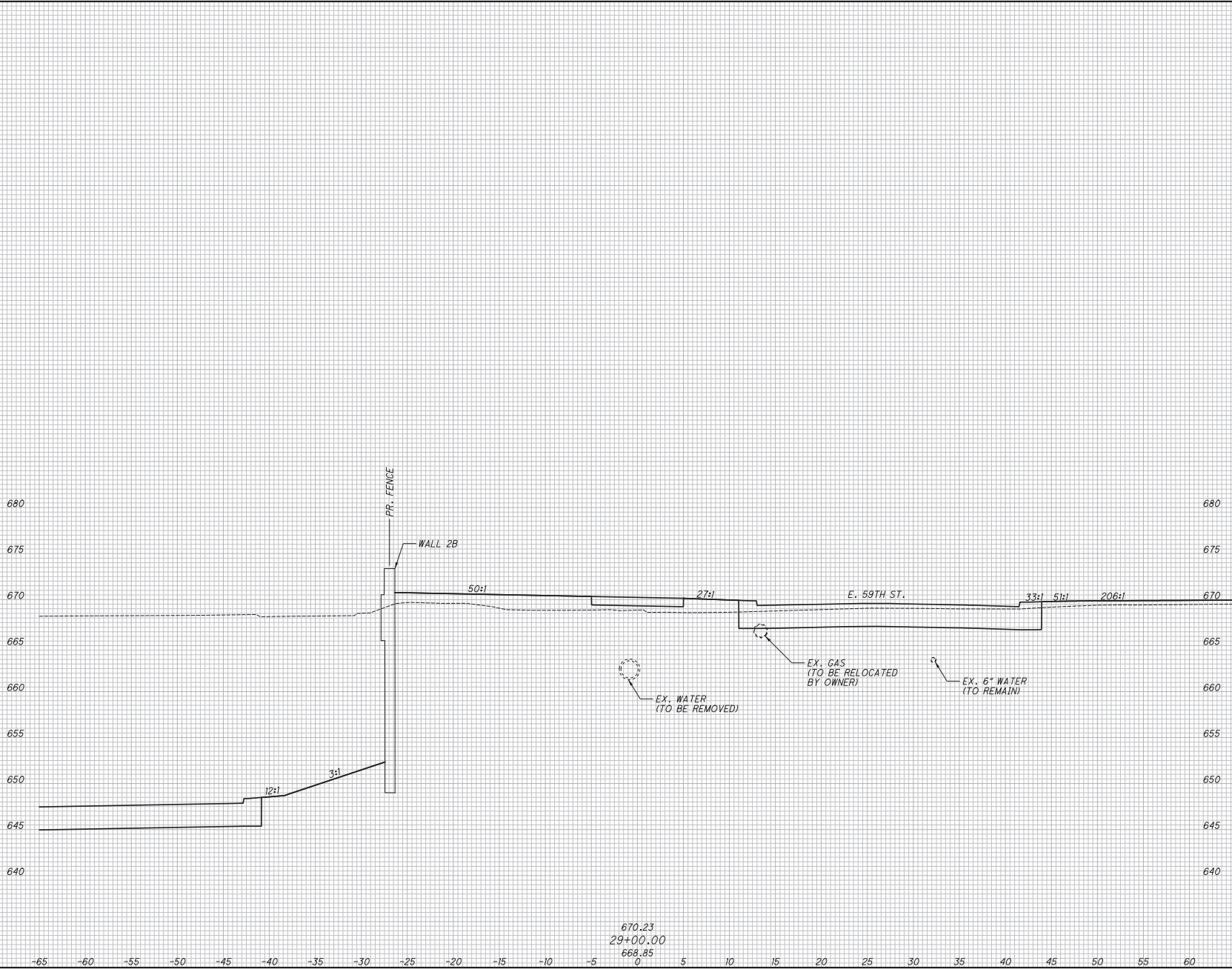
SEEDING	
END WIDTH	SO. YDS.



670.54
 28+75.00
 669.55
 0

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM
RELEASED					
FOR CONSTRUCTION					
CROSS SECTIONS - SHARED-USE PATH					
STA. 28+75.00					
NO. DATE		DESCRIPTION		ISSUE RECORD	
0	2019-07-29	RF	David R. Penhaght		
CUY-IR490 / SR010-					
2.09 / 19.28					
235		303			

SEEDING	
END WIDTH	SO. YDS.

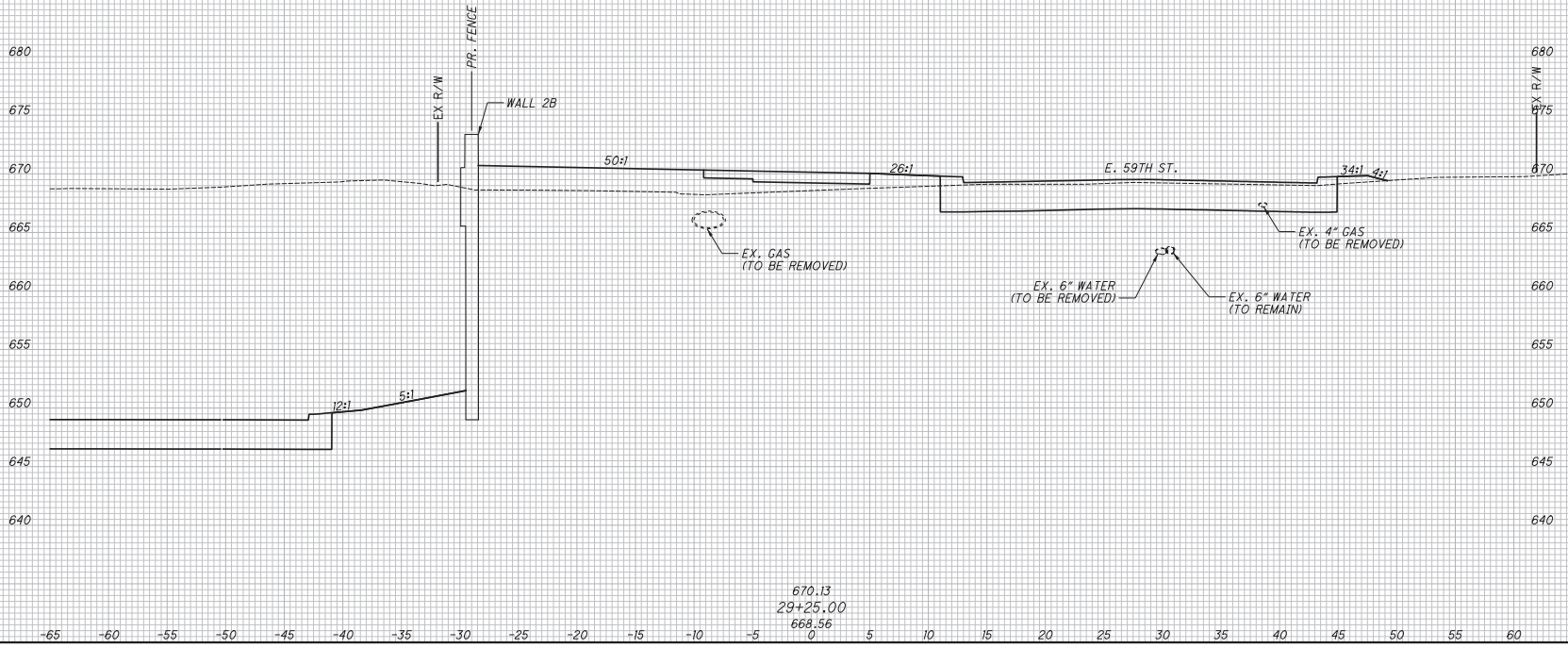


670.23
 29+00.00
 668.85
 0

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM
RELEASED					
FOR CONSTRUCTION					
CROSS SECTIONS - SHARED-USE PATH					
STA. 29+00.00					
NO. DATE		DESCRIPTION		ISSUE RECORD	
0	2019-07-29	RFC	David R. Penhatch		
CUY-IR490 / SR010-					
2.09 / 19.28					
236		303			

SEEDING	
END WIDTH	SO. YDS.

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM



670.13
29+25.00
668.56
0

RELEASED

FOR CONSTRUCTION

CROSS SECTIONS - SHARED-USE PATH
STA. 29+25.00

ISSUE RECORD

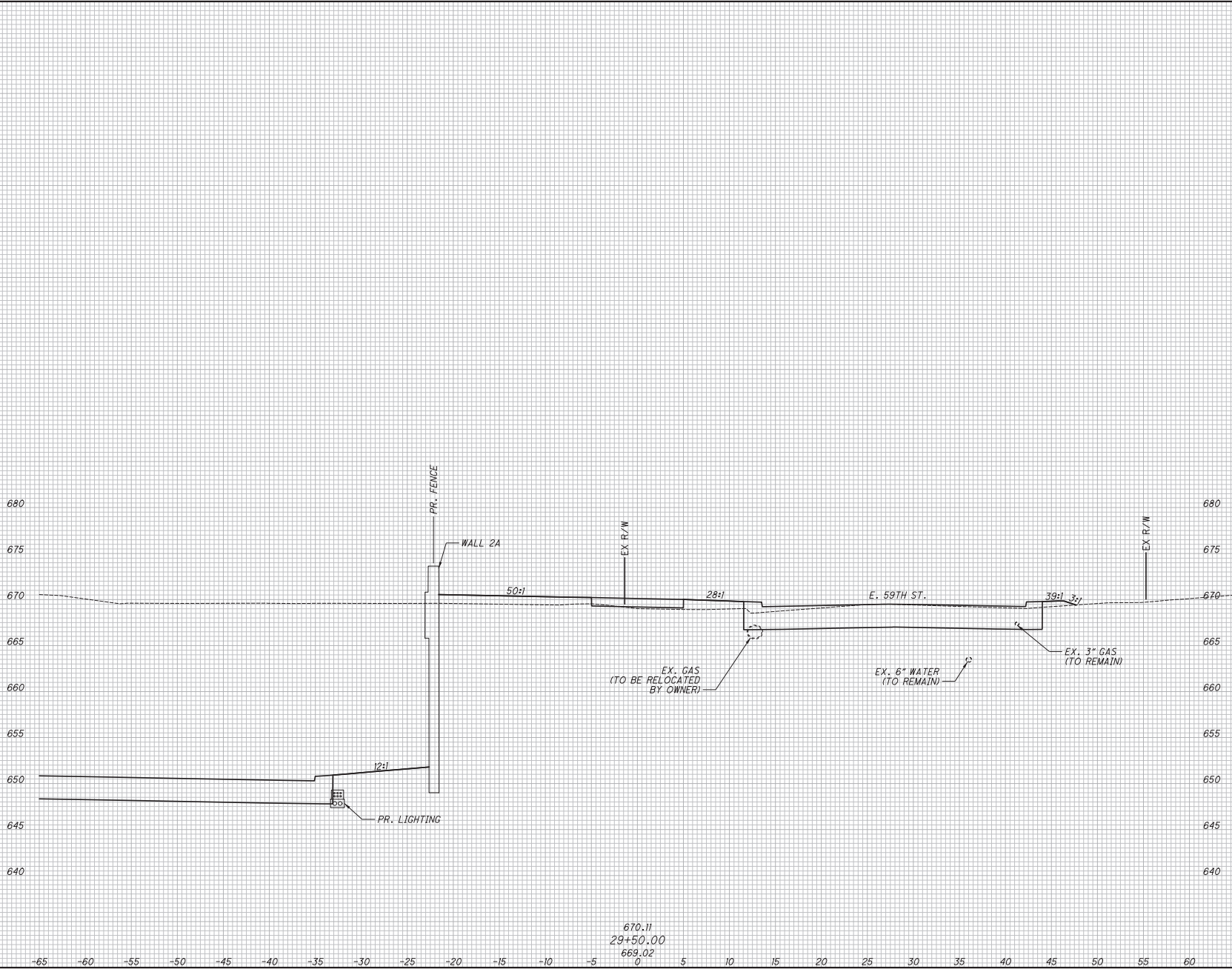
NO. DATE DESCRIPTION

0 2019-07-29 RFC *David R. Penhax*

CUY-IR490 / SR010-
2.09 / 19.28

237 / 303

SEEDING	
END WIDTH	SO. YDS.



670.11
29+50.00
669.02
0

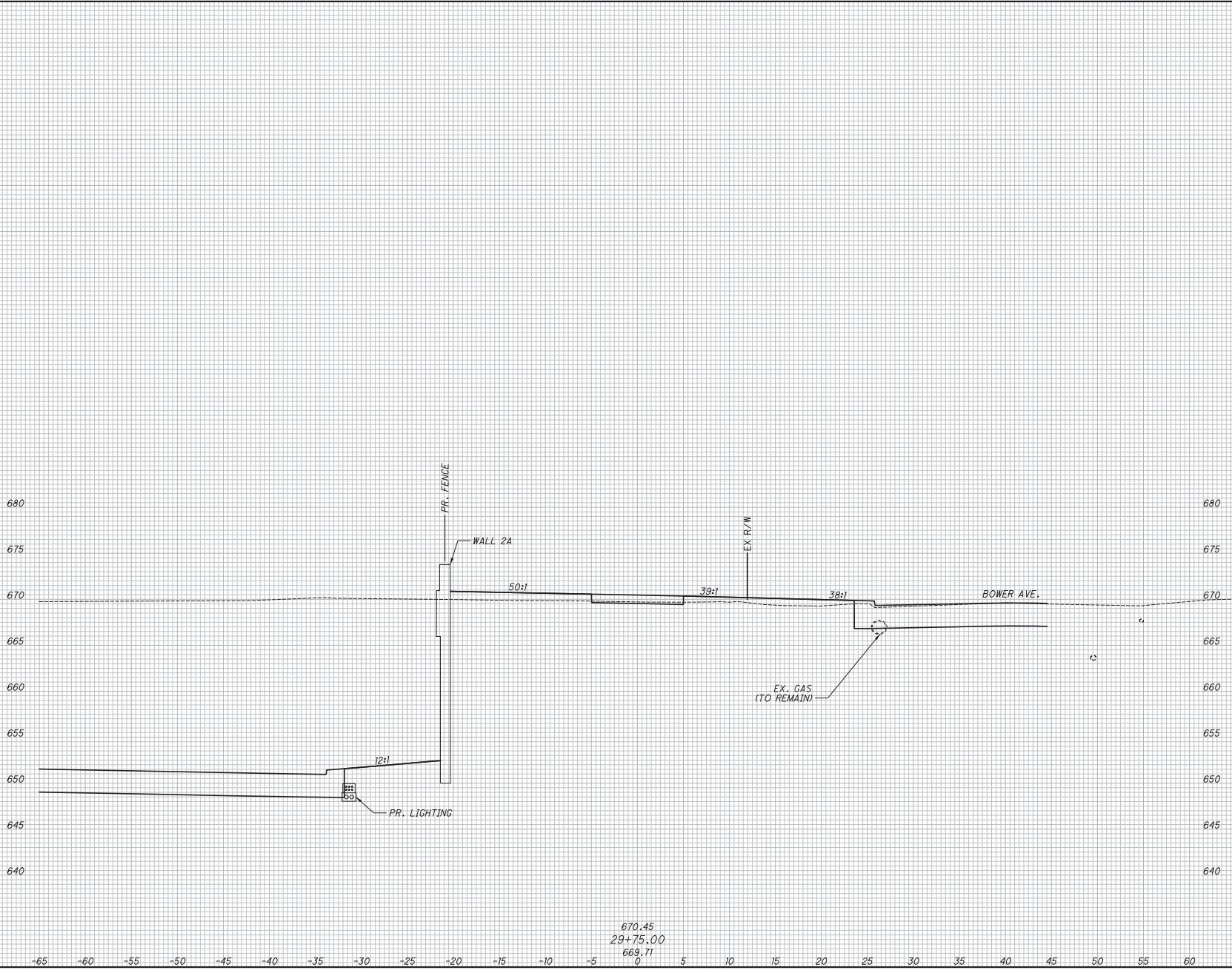
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CUT	FILL	CUT	FILL	JTH	SM		

RELEASED FOR CONSTRUCTION

CROSS SECTIONS - SHARED-USE PATH
STA. 29+50.00

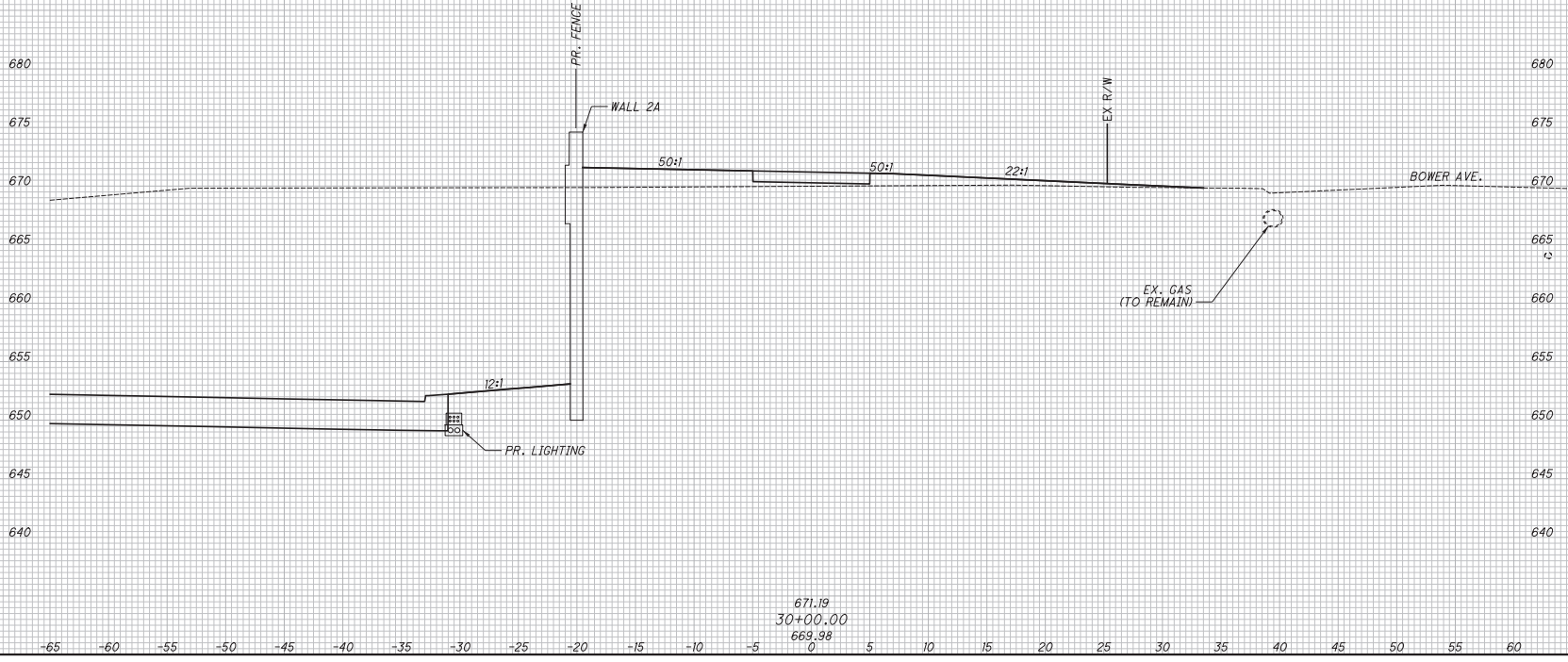
NO.	DATE	DESCRIPTION
0	2019-07-29	RFI
		David R. Penhatch
ISSUE RECORD		
CUY-IR490 / SR010- 2.09 / 19.28		
238		303

SEEDING	
END WIDTH	SO. YDS.



END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM
RELEASED					
FOR CONSTRUCTION					
CROSS SECTIONS - SHARED-USE PATH					
STA. 29+75.00					
NO. DATE		DESCRIPTION		ISSUE RECORD	
0	2019-07-29	RFC	David R. Penhock		
CUY-IR490 / SR010-					
2.09 / 19.28					
239		303			

SEEDING	
END WIDTH	SO. YOS.



NO.	DATE	DESCRIPTION	ISSUE RECORD		CALCULATED		CHECKED	
					JTH	SM		
0	2019-07-29	RFI	David R. Penick					

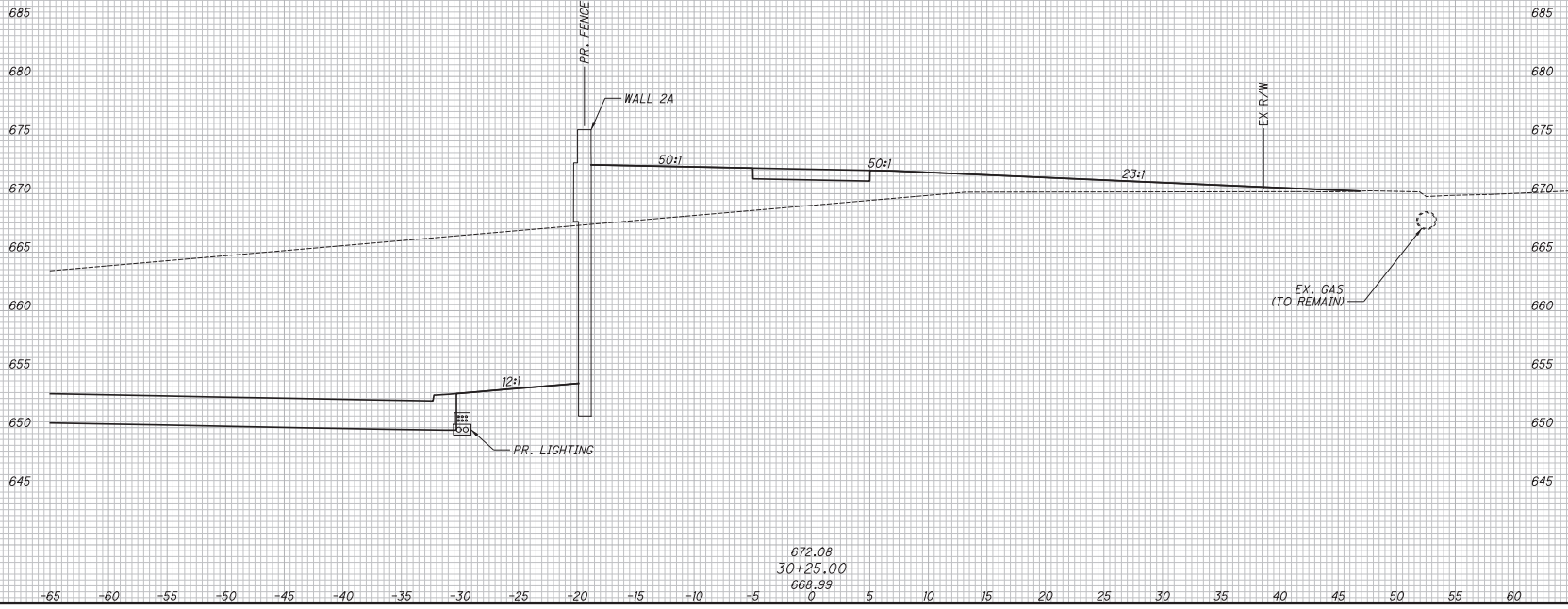
END	AREA	VOLUME	
CUT	FILL	CUT	FILL

RELEASED	
FOR CONSTRUCTION	
CROSS SECTIONS - SHARED-USE PATH	
STA. 30+00.00	

CUY-IR490 / SR010-
2.09 / 19.28

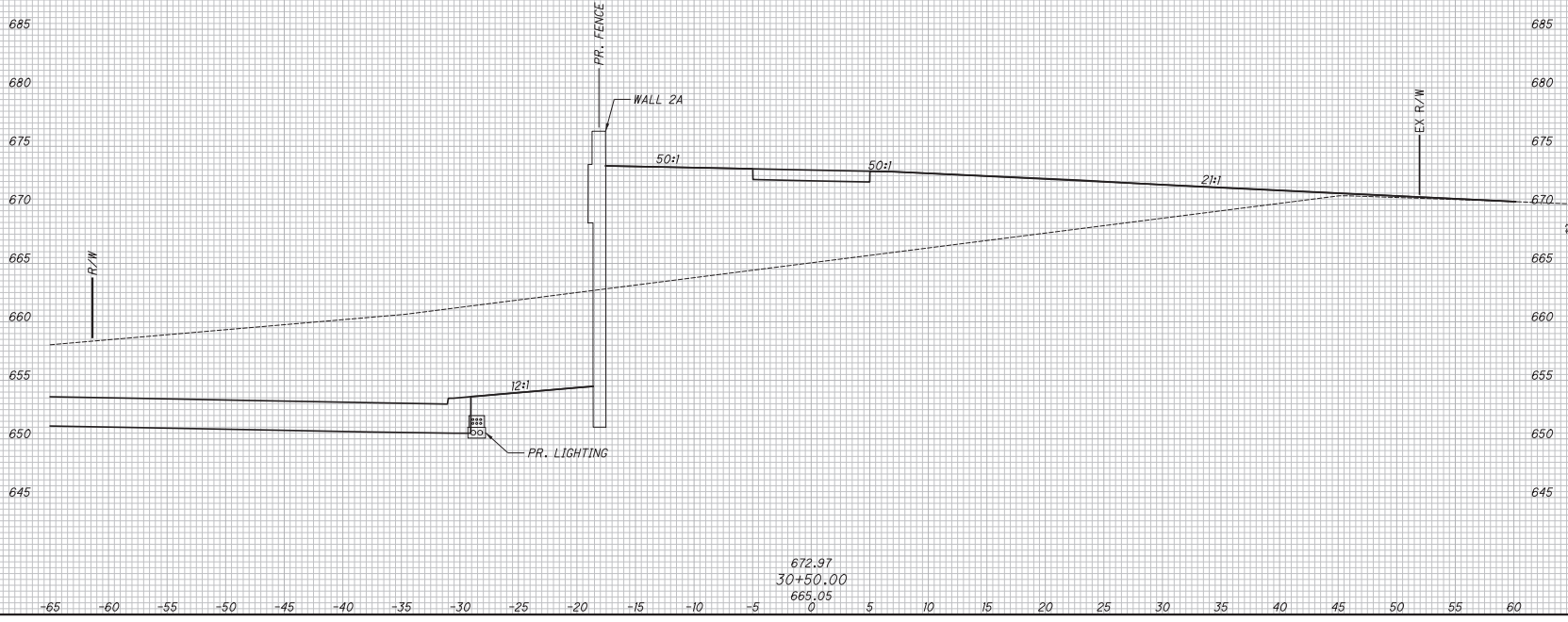
240
303

SEEDING	
END WIDTH	SO. YDS.



NO.	DATE	DESCRIPTION	END AREA		VOLUME		CALCULATED JTH	CHECKED SM
			CUT	FILL	CUT	FILL		
0	2019-07-29	RFC David R. Penhax						
ISSUE RECORD								
CUY-IR490 / SR010 - 2.09 / 19.28								
RELEASED FOR CONSTRUCTION CROSS SECTIONS - SHARED-USE PATH STA. 30+25.00								

SEEDING	
END WIDTH	SO. YDS.



672.97
 30+50.00
 665.05
 0

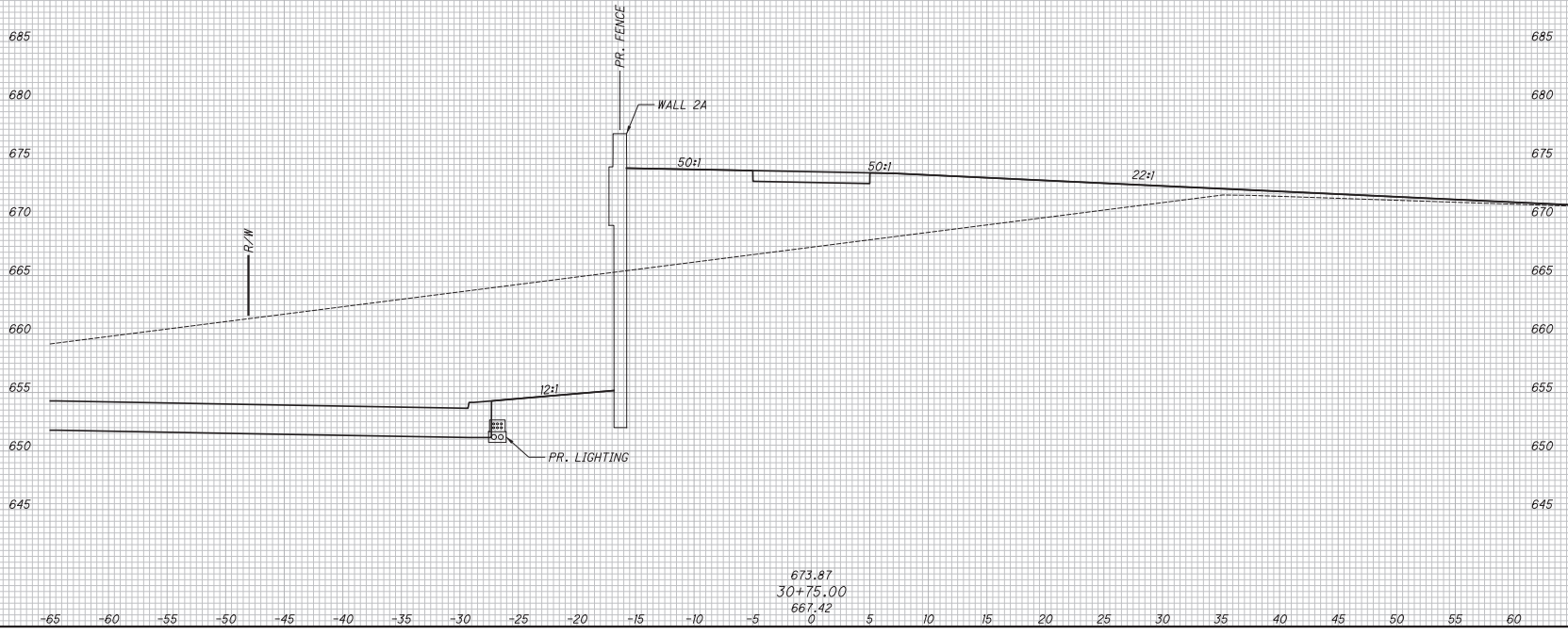
END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM

RELEASED
 FOR CONSTRUCTION

CROSS SECTIONS - SHARED-USE PATH
 STA. 30+50.00

0	2019-07-29	RFC	David R. Penhart
NO.	DATE	DESCRIPTION	ISSUE RECORD
CUY-IR490 / SR010- 2.09 / 19.28			
242		303	

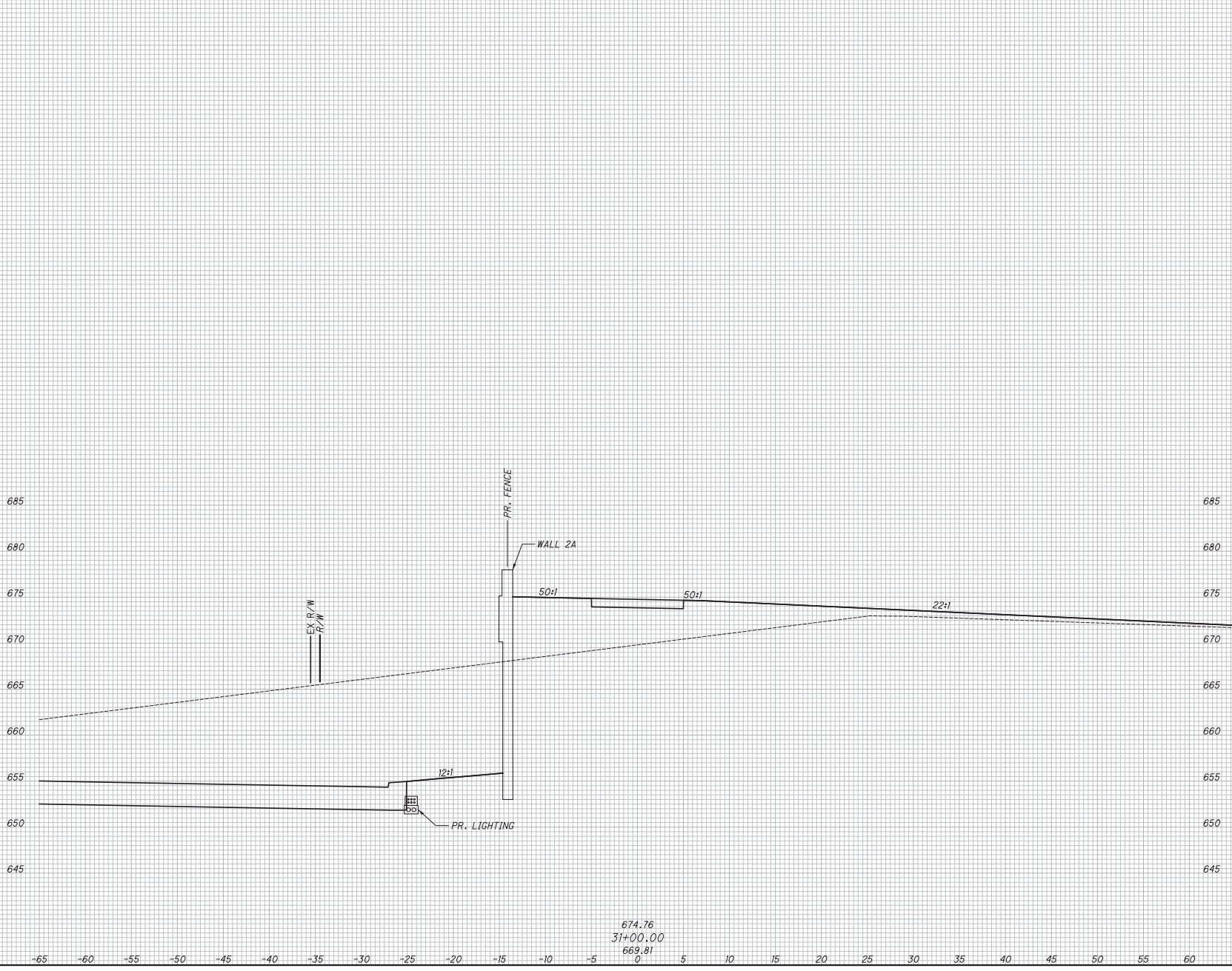
SEEDING	
END WIDTH	SO. YDS.



673.87
 30+75.00
 667.42
 0

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM
RELEASED					
FOR CONSTRUCTION					
CROSS SECTIONS - SHARED-USE PATH					
STA. 30+75.00					
NO. DATE		DESCRIPTION		ISSUE RECORD	
0	2019-07-29	RFC	David R. Penick		
CUY-IR490 / SR010-		2.09 / 19.28		243	
				303	

SEEDING	
END WIDTH	SO. YDS.

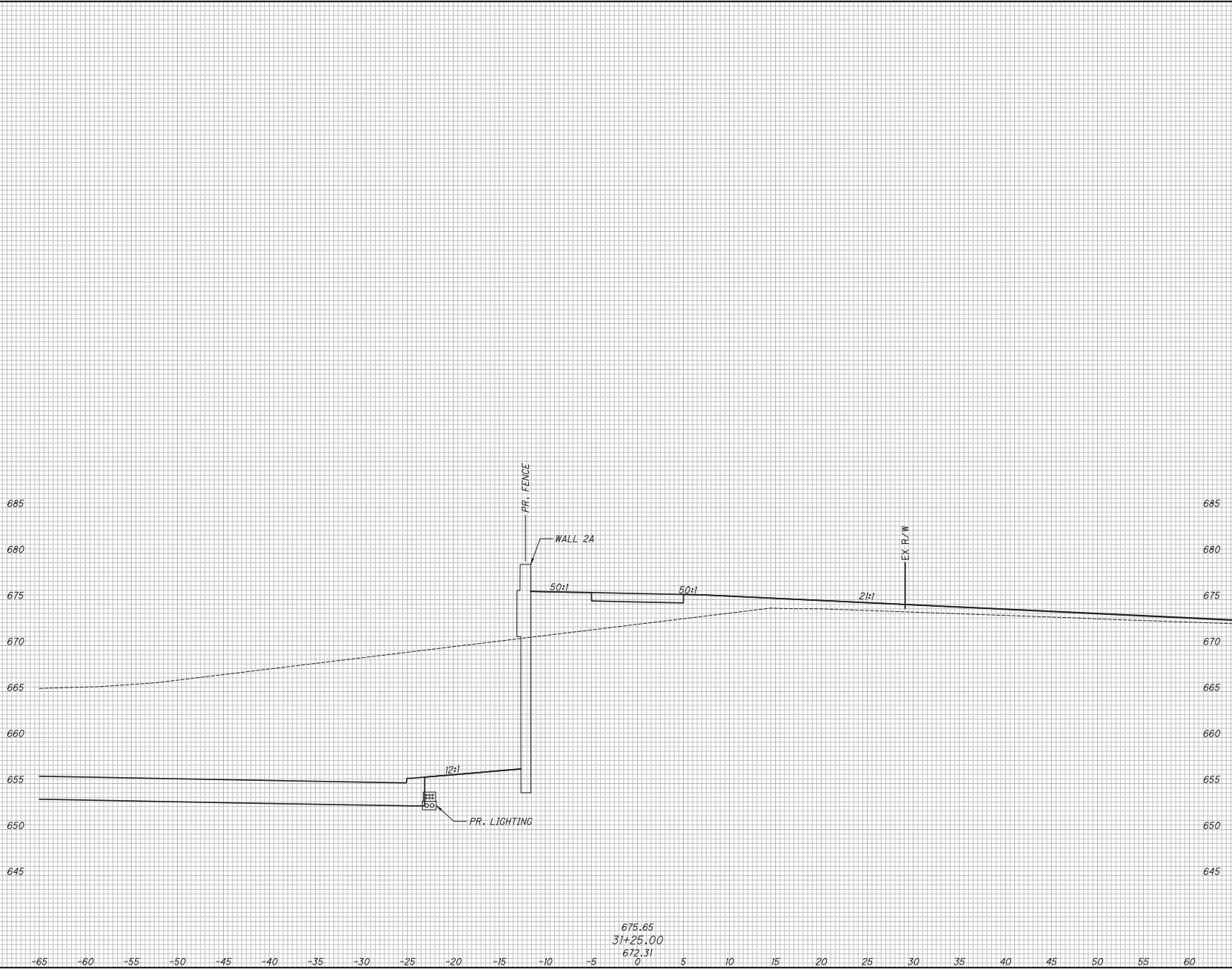


END AREA		VOLUME		CALCULATED		CHECKED	
CUT	FILL	CUT	FILL	JTH	SM	JTH	SM

RELEASED	
FOR CONSTRUCTION	
CROSS SECTIONS - SHARED-USE PATH	
STA. 31+00.00	

0	2019-07-29	RF	David R. Penick
NO.	DATE	DESCRIPTION	ISSUE RECORD
CUY-IR490 / SR010- 2.09 / 19.28			
244		303	

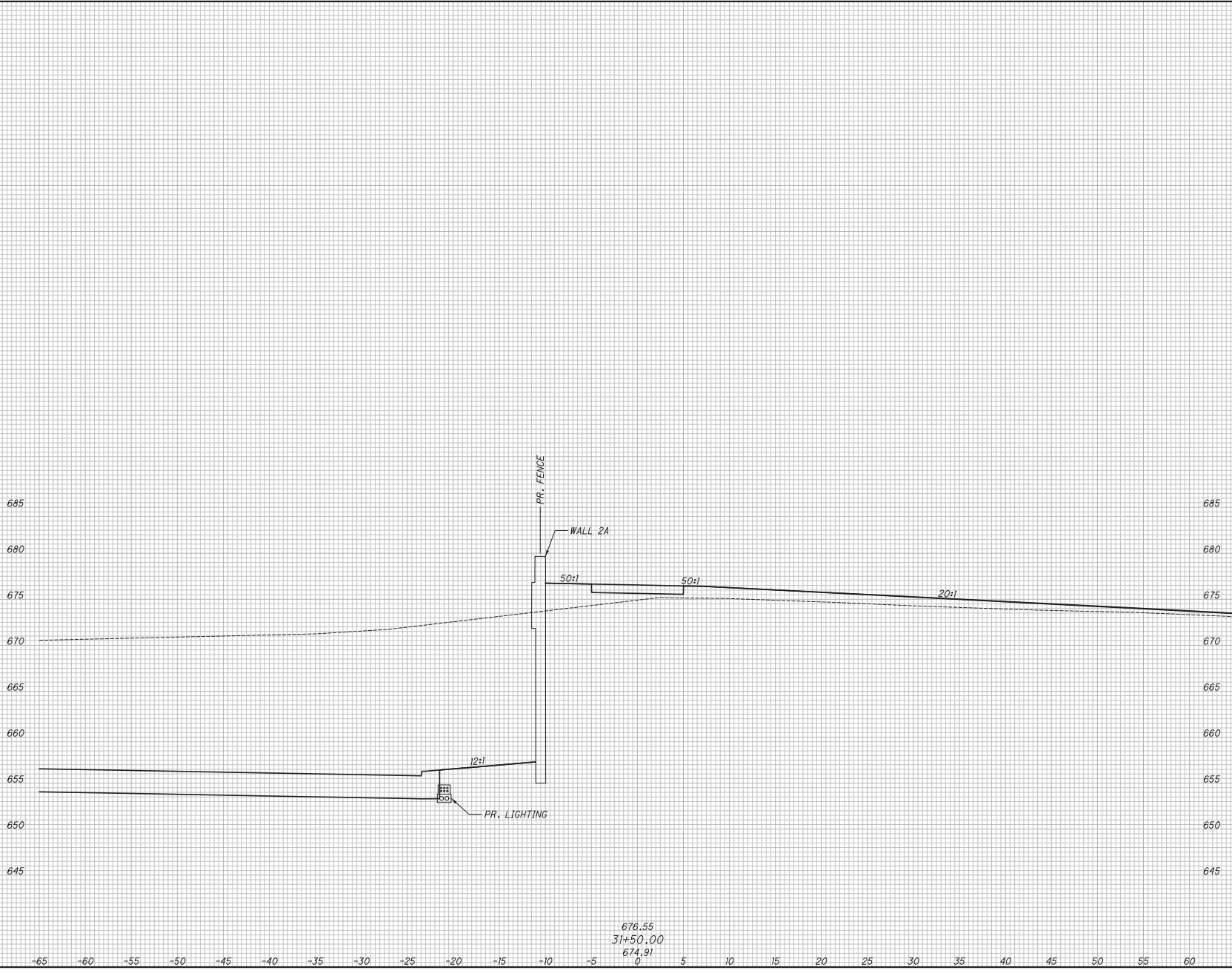
SEEDING	
END WIDTH	SO. YDS.



675.65
31+25.00
672.31
0

END AREA		VOLUME		CALCULATED		CHECKED	
CUT	FILL	CUT	FILL	JTH	SM		
RELEASED							
FOR CONSTRUCTION							
CROSS SECTIONS - SHARED-USE PATH							
STA. 31+25.00							
NO. DATE		DESCRIPTION		ISSUE RECORD		CUY-IR490 / SR010-	
0	2019-07-29	RF	David R. Penhock			2.09 / 19.28	
						245 303	

SEEDING	
END WIDTH	SO. YDS.



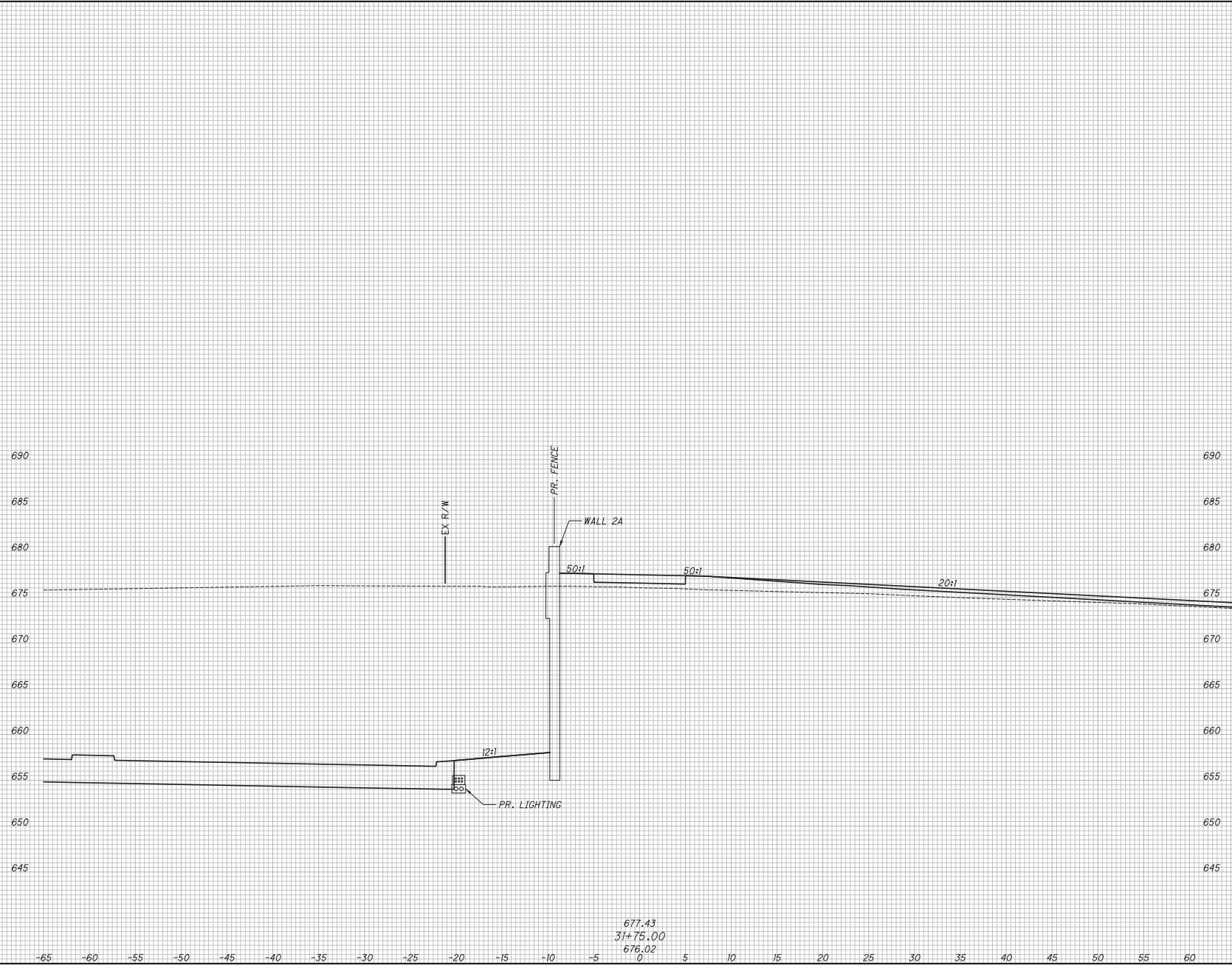
NO.	DATE	DESCRIPTION	END AREA		VOLUME		CALCULATED JTH	CHECKED	SM
			CUT	FILL	CUT	FILL			
0	2019-07-29	RFC David R. Penick							
ISSUE RECORD									
CUY-IR490 / SR010-									
2.09 / 19.28									
246									
303									

RELEASED
 FOR CONSTRUCTION
 CROSS SECTIONS - SHARED-USE PATH
 STA. 31+50.00

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

...Sheets\BU-14_196833_XS015.dgn 7/26/2019 4:21:45 PM Joseph Hagan

SEEDING	
END WIDTH	SO. YDS.

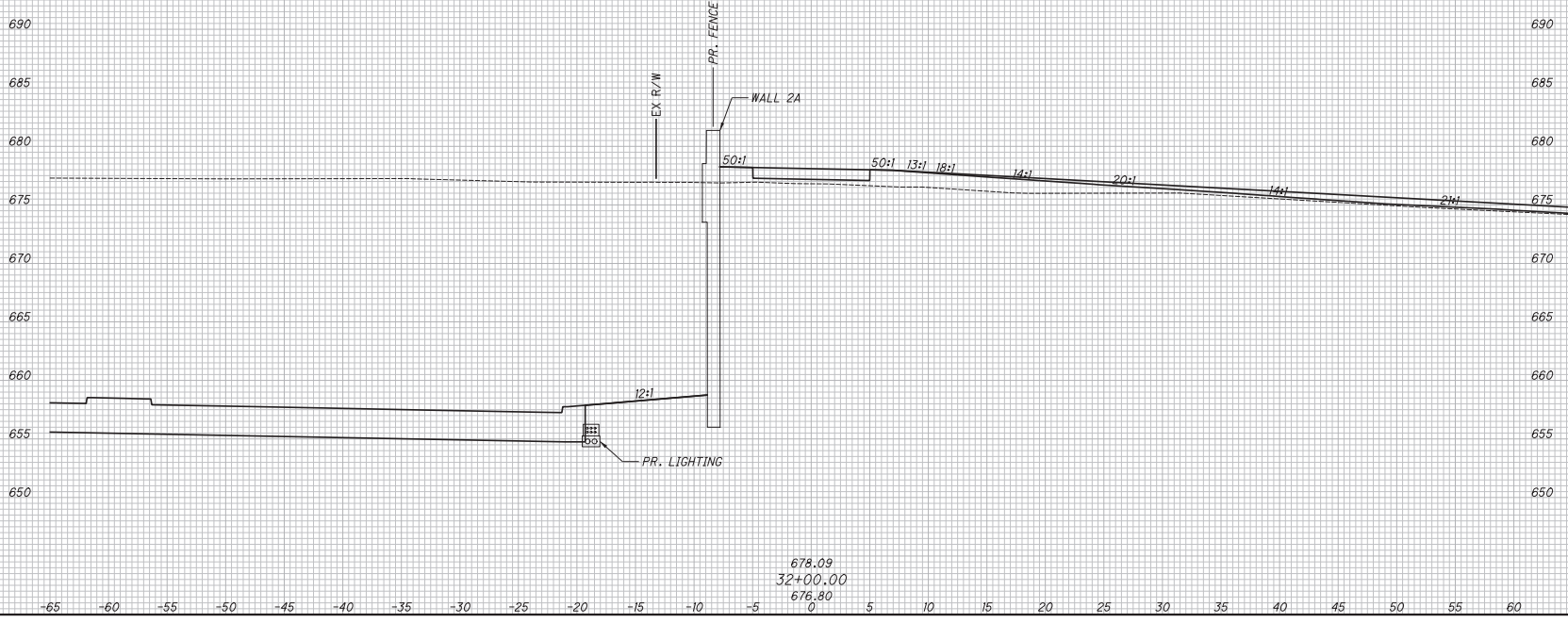


677.43
31+75.00
676.02
0

NO.	DATE	DESCRIPTION	END AREA		VOLUME		CHECKED	SM
			CUT	FILL	CUT	FILL		
0	2019-07-29	RF						
ISSUE RECORD								
David R. Penhax DESCRIPTION								
CUY-IR490 / SR010- 2.09 / 19.28								
247 303								

RELEASED
 FOR CONSTRUCTION
 CROSS SECTIONS - SHARED-USE PATH
 STA. 31+75.00

SEEDING	
END WIDTH	SO. YDS.



678.09
 32+00.00
 676.80
 0

END AREA		VOLUME		CALCULATED		CHECKED	
CUT	FILL	CUT	FILL	JTH	SM		

RELEASED
 FOR CONSTRUCTION

CROSS SECTIONS - SHARED-USE PATH
 STA. 32+00.00

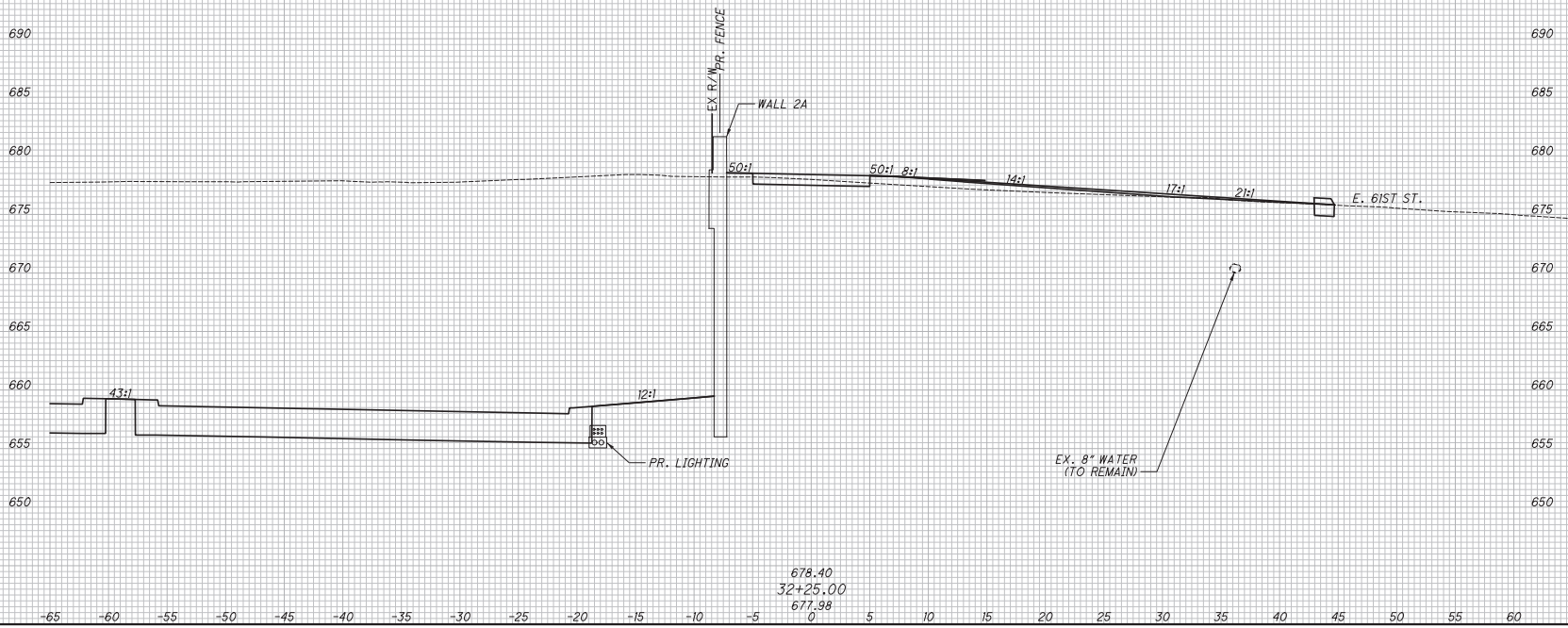
NO. DATE
 0 2019-07-29
 DESCRIPTION
 David R. Penhatch
 ISSUE RECORD

CUY-IR490 / SR010-
 2.09 / 19.28

248
 303

SEEDING	
END WIDTH	SO. YDS.

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM



678.40
 32+25.00
 677.98
 0

RELEASED
 FOR CONSTRUCTION
 CROSS SECTIONS - SHARED-USE PATH
 STA. 32+25.00

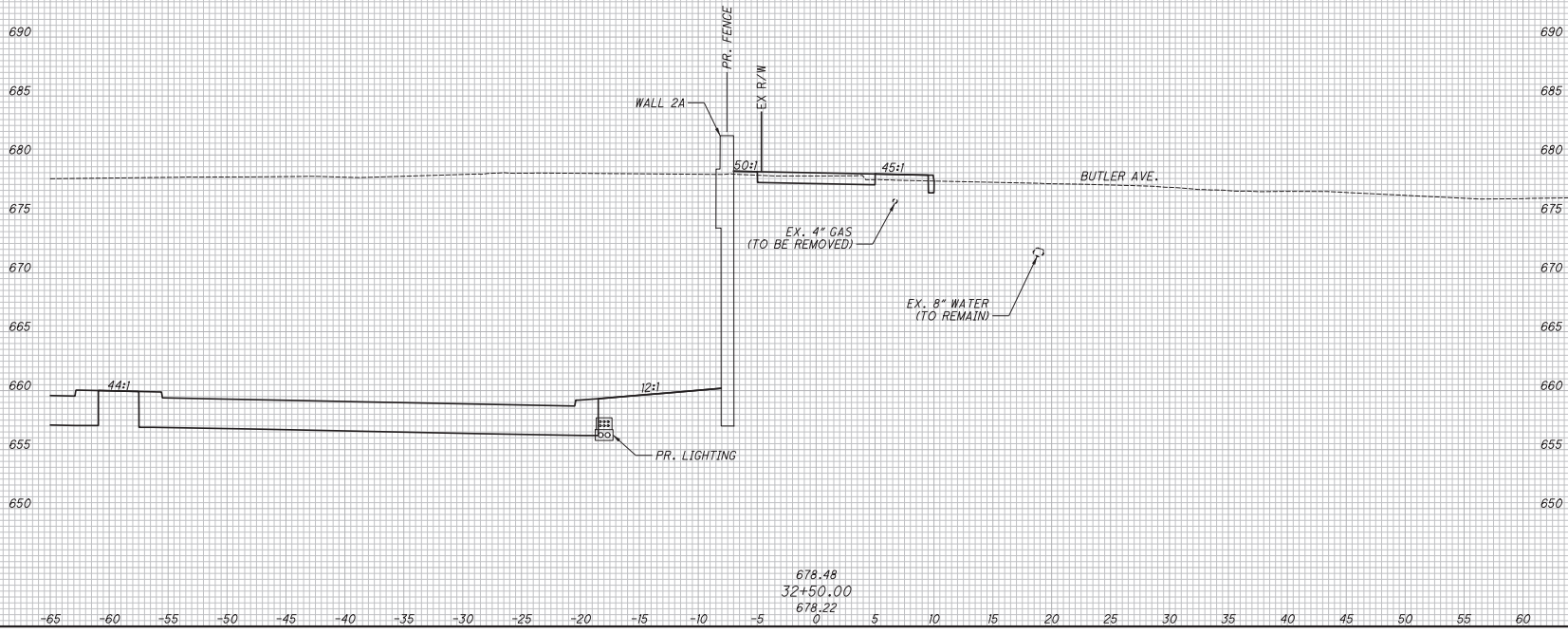
ISSUE RECORD

NO.	DATE	DESCRIPTION
0	2019-07-29	RFC <i>David R. Penhatch</i>

CUY-IR490 / SR010-
 2.09 / 19.28

249
 303

SEEDING	
END WIDTH	SO. YDS.



678.48
 32+50.00
 678.22
 0

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

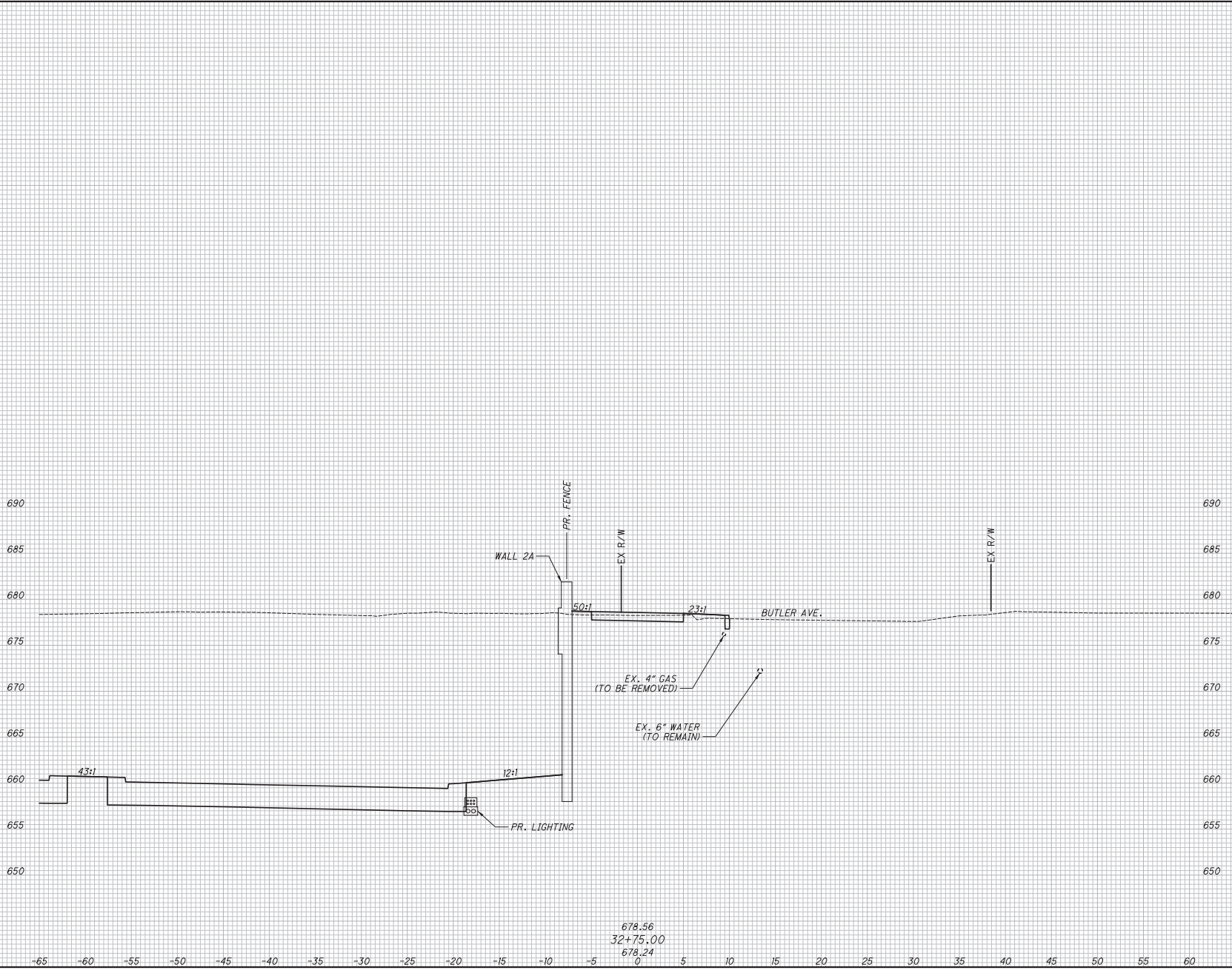
RELEASED
 FOR CONSTRUCTION
 CROSS SECTIONS - SHARED-USE PATH
 STA. 32+50.00

NO. DATE
 0 2019-07-29
 DESCRIPTION
 David R. Penhatch
 ISSUE RECORD

CUY-IR490 / SR010-
 2.09 / 19.28

250
 303

SEEDING	
END WIDTH	SO. YDS.

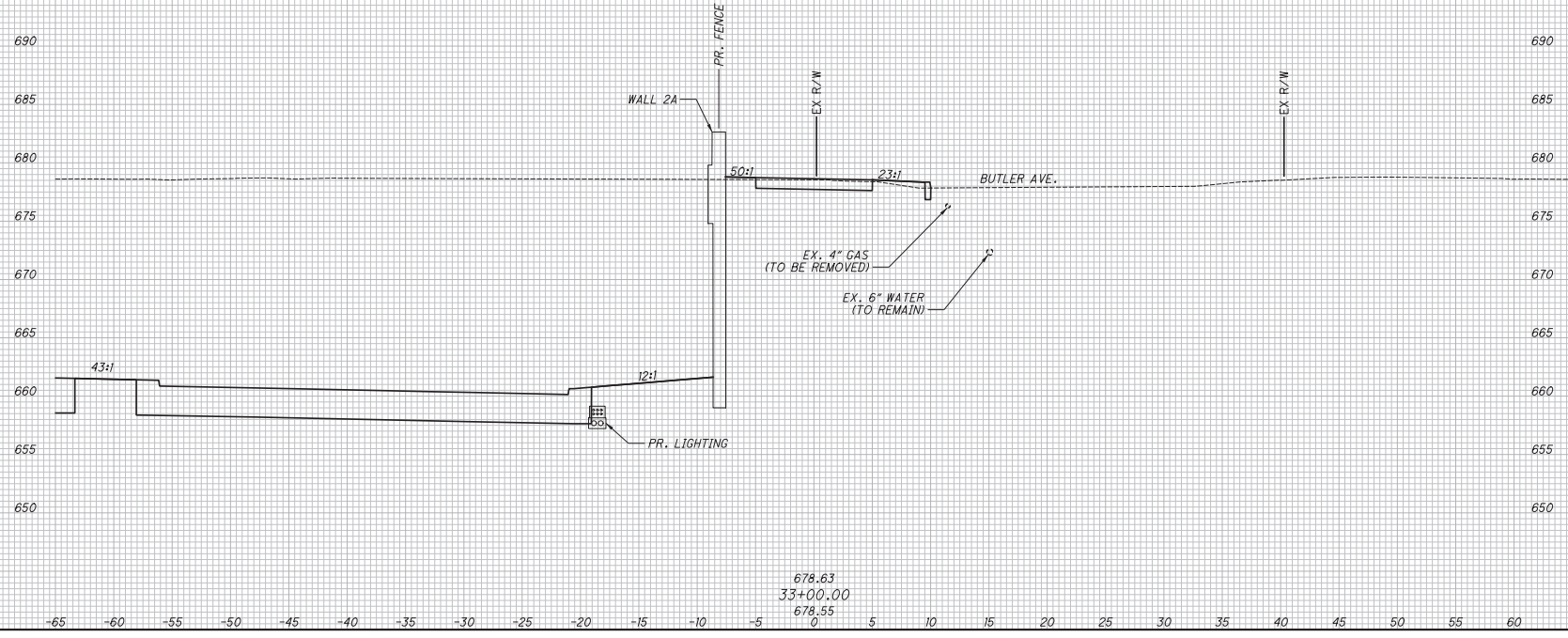


678.56
 32+75.00
 678.24
 0'

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM
RELEASED					
FOR CONSTRUCTION					
CROSS SECTIONS - SHARED-USE PATH					
STA. 32+75.00					
NO. DATE		DESCRIPTION		ISSUE RECORD	
0	2019-07-29	RFC	David R. Penhatch		
CUY-IR490 / SR010-		2.09 / 19.28		251 / 303	

SEEDING	
END WIDTH	SO. YDS.

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM



RELEASED

FOR CONSTRUCTION

CROSS SECTIONS - SHARED-USE PATH
 STA. 33+00.00

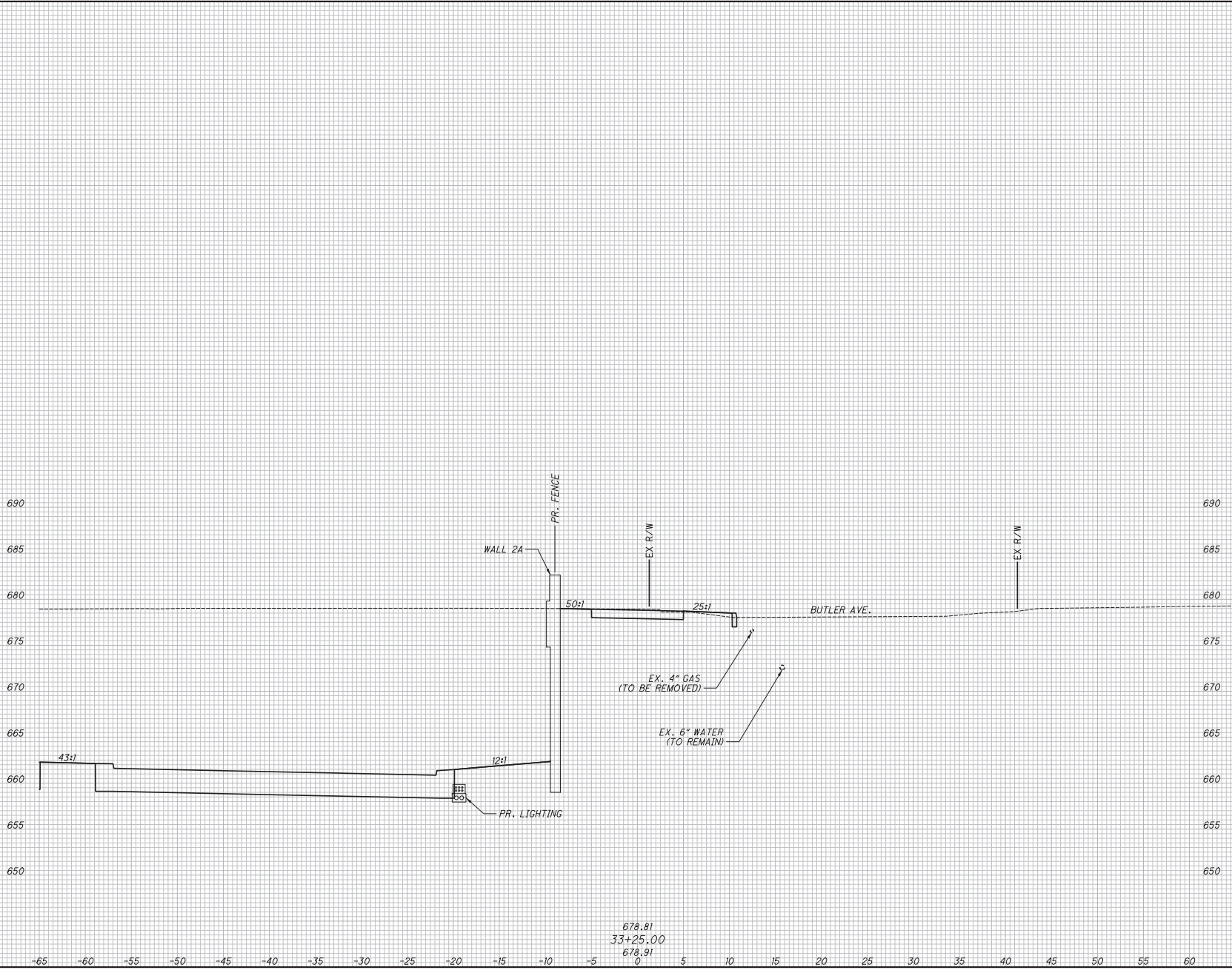
0 2019-07-29 RFC *David R. Penhatch*
 NO. DATE DESCRIPTION
 ISSUE RECORD

CUY-IR490 / SR010-
 2.09 / 19.28

252
 303

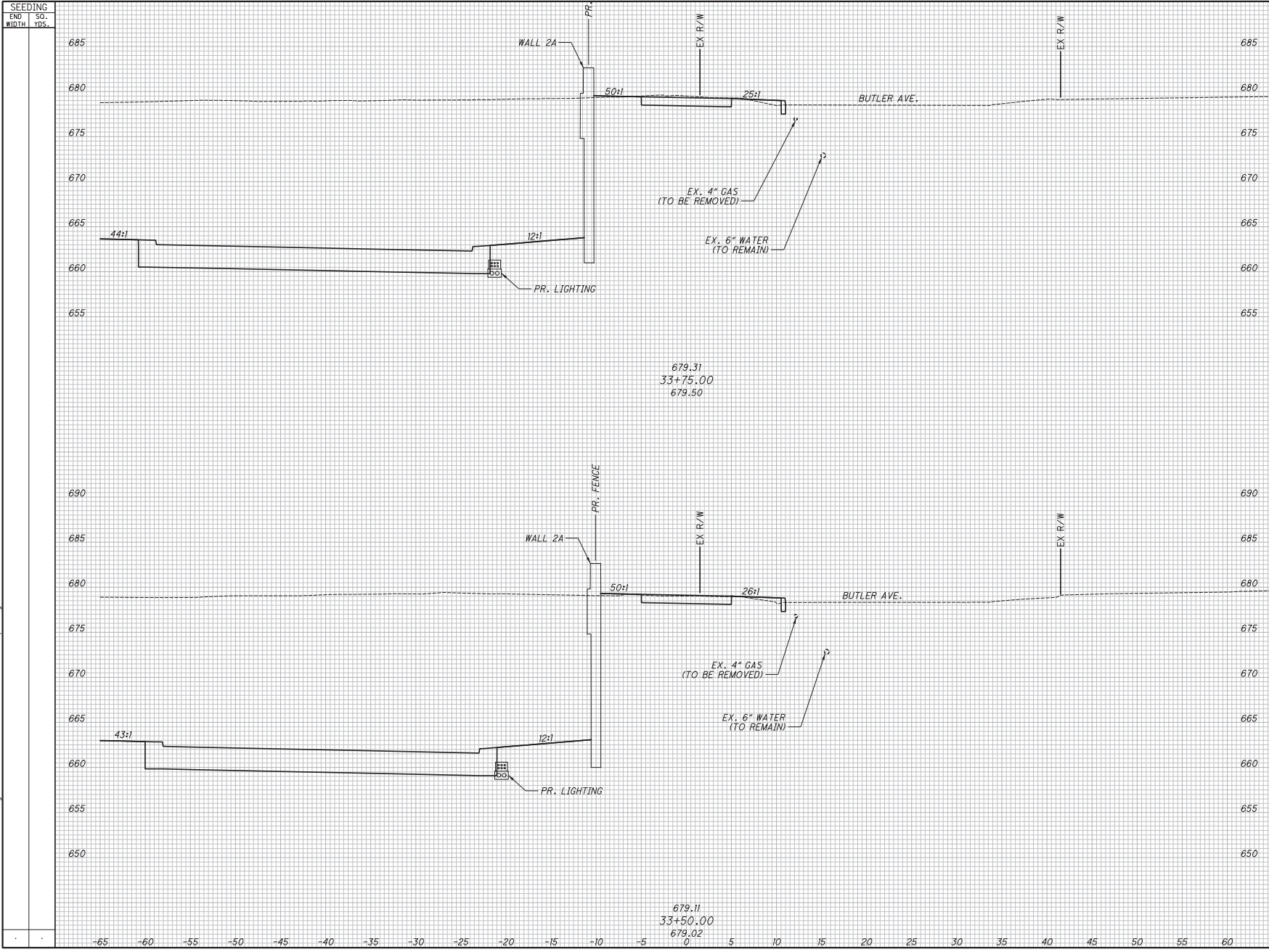
678.63
 33+00.00
 678.55
 0

SEEDING	
END WIDTH	SO. YDS.



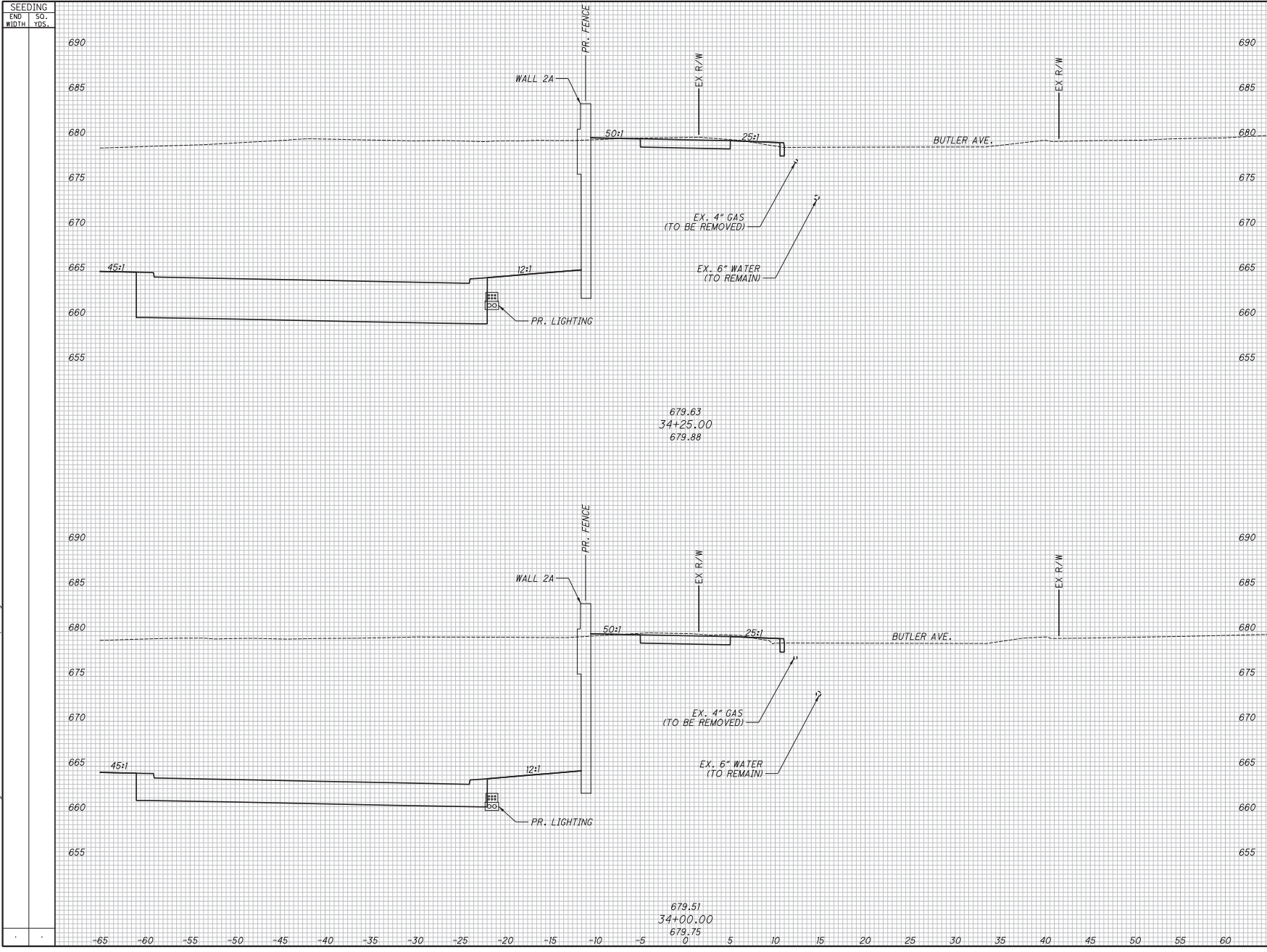
678.81
 33+25.00
 678.91
 0

END AREA		VOLUME		CALCULATED		CHECKED	
CUT	FILL	CUT	FILL	JTH	SM		
RELEASED							
FOR CONSTRUCTION							
CROSS SECTIONS - SHARED-USE PATH							
STA. 33+25.00							
NO. DATE		DESCRIPTION		ISSUE RECORD		CUY-IR490 / SR010-	
0 2019-07-29		RFC David R. Penhax				2.09 / 19.28	
						253 303	



NO.	DATE	DESCRIPTION	VOLUME		CALCULATED		CHECKED	
			CUT	FILL	JTH	SM	JTH	SM
0	2019-07-29	RFI						
		Issue Record						
CUY-IR490 / SR010- 2.09 / 19.28								
David R. Penhach								
CROSS SECTIONS - SHARED-USE PATH STA. 33+50.00 TO STA. 33+75.00								
RELEASED FOR CONSTRUCTION								

254
303



NO.	DATE	DESCRIPTION	ISSUE RECORD		CALCULATED JTH	CHECKED SM
			CUT	FILL		
0	2019-07-29	RFC David R. Penhatch				

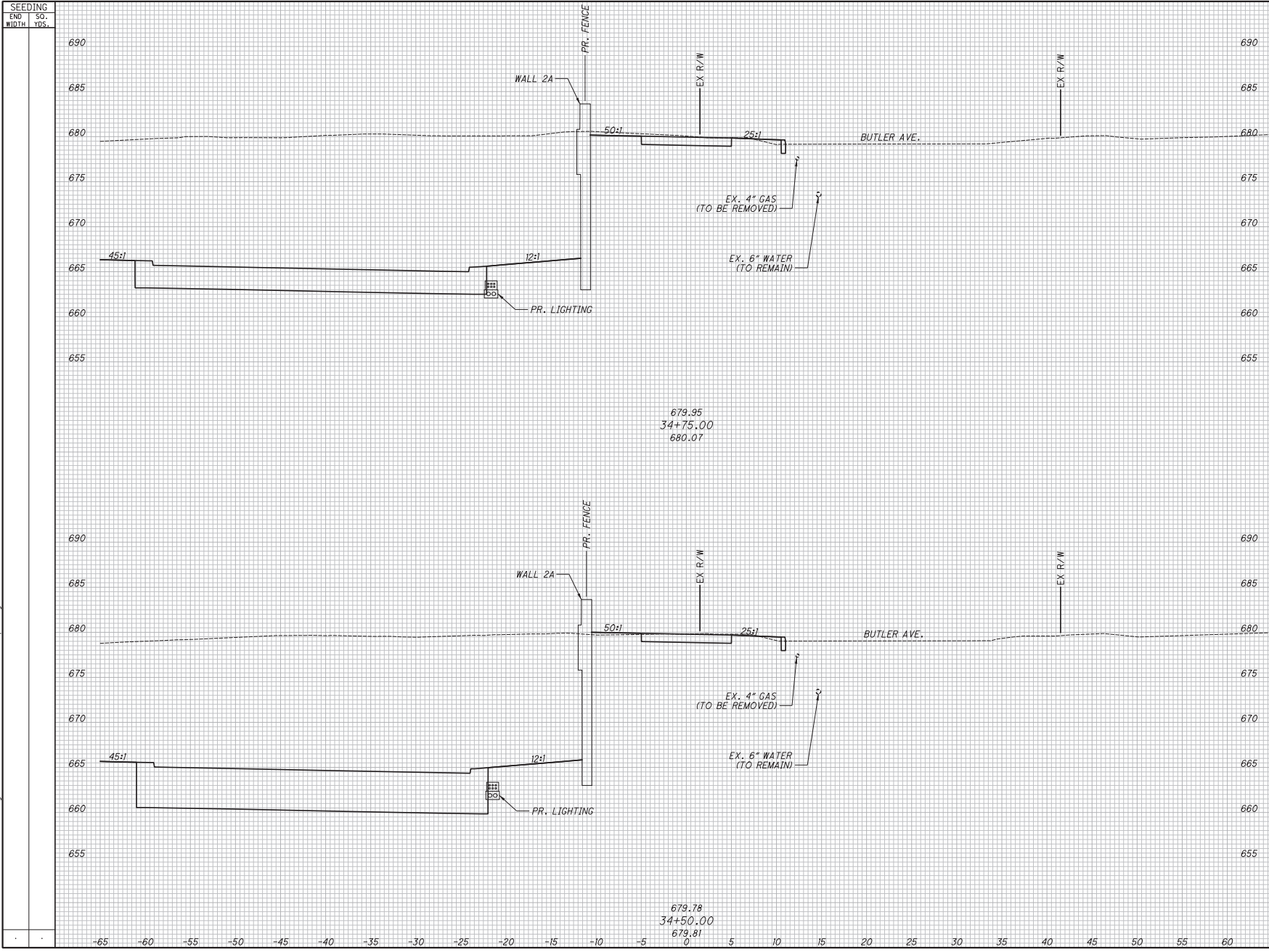
END AREA	VOLUME
CUT	FILL

RELEASED
FOR CONSTRUCTION

**CROSS SECTIONS - SHARED-USE PATH
STA. 34+00.00 TO STA. 34+25.00**

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

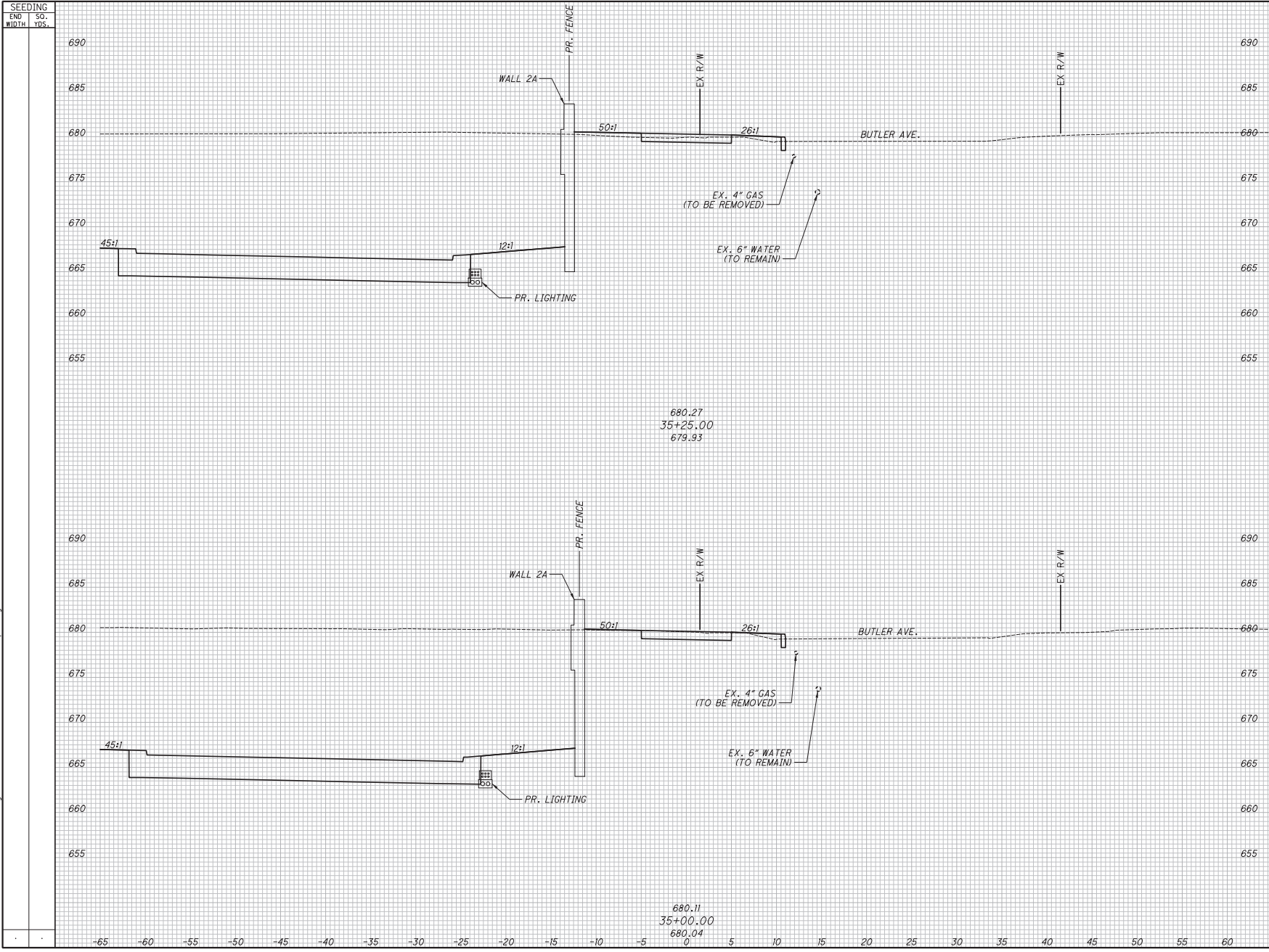
(255 / 303)



NO.	DATE	DESCRIPTION	VOLUME		CALCULATED JTH	CHECKED SM
			CUT	FILL		
0	2019-07-29	RFI David R. Penhatch				
ISSUE RECORD						
<p style="text-align: center;">CUY-IR490 / SR010- 2.09 / 19.28</p>						

RELEASED
 FOR CONSTRUCTION

CROSS SECTIONS - SHARED-USE PATH
 STA. 34+50.00 TO STA. 34+75.00

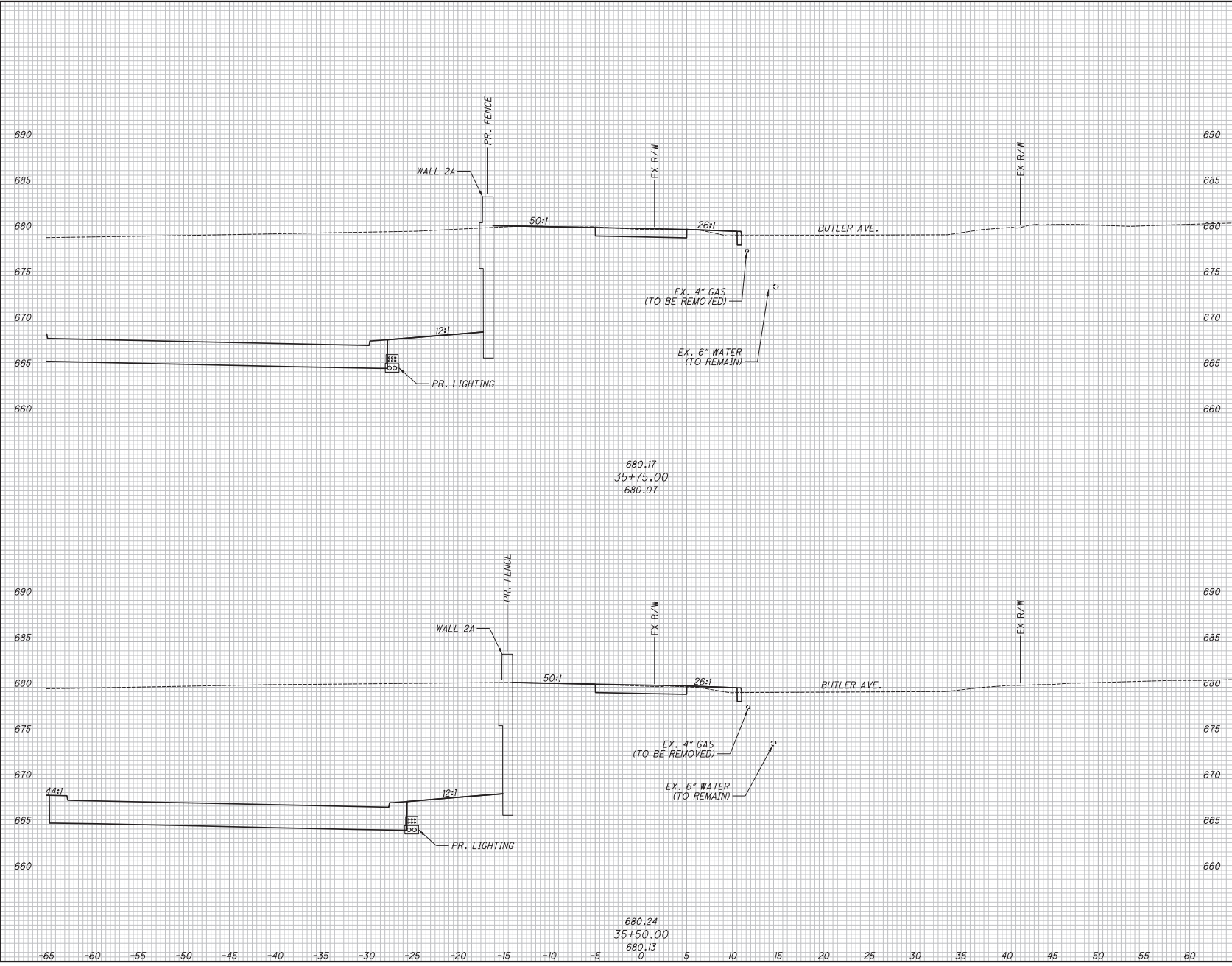


SEEDING		END AREA		VOLUME		CALCULATED		CHECKED	
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	JTH	SM	JTH	SM

RELEASED	
FOR CONSTRUCTION	
CROSS SECTIONS - SHARED-USE PATH STA. 35+00.00 TO STA. 35+25.00	
CUY-IR490 / SR010- 2.09 / 19.28	

NO.	DATE	DESCRIPTION
0	2019-07-29	RFI
		David R. Penhatch
ISSUE RECORD		
257 303		

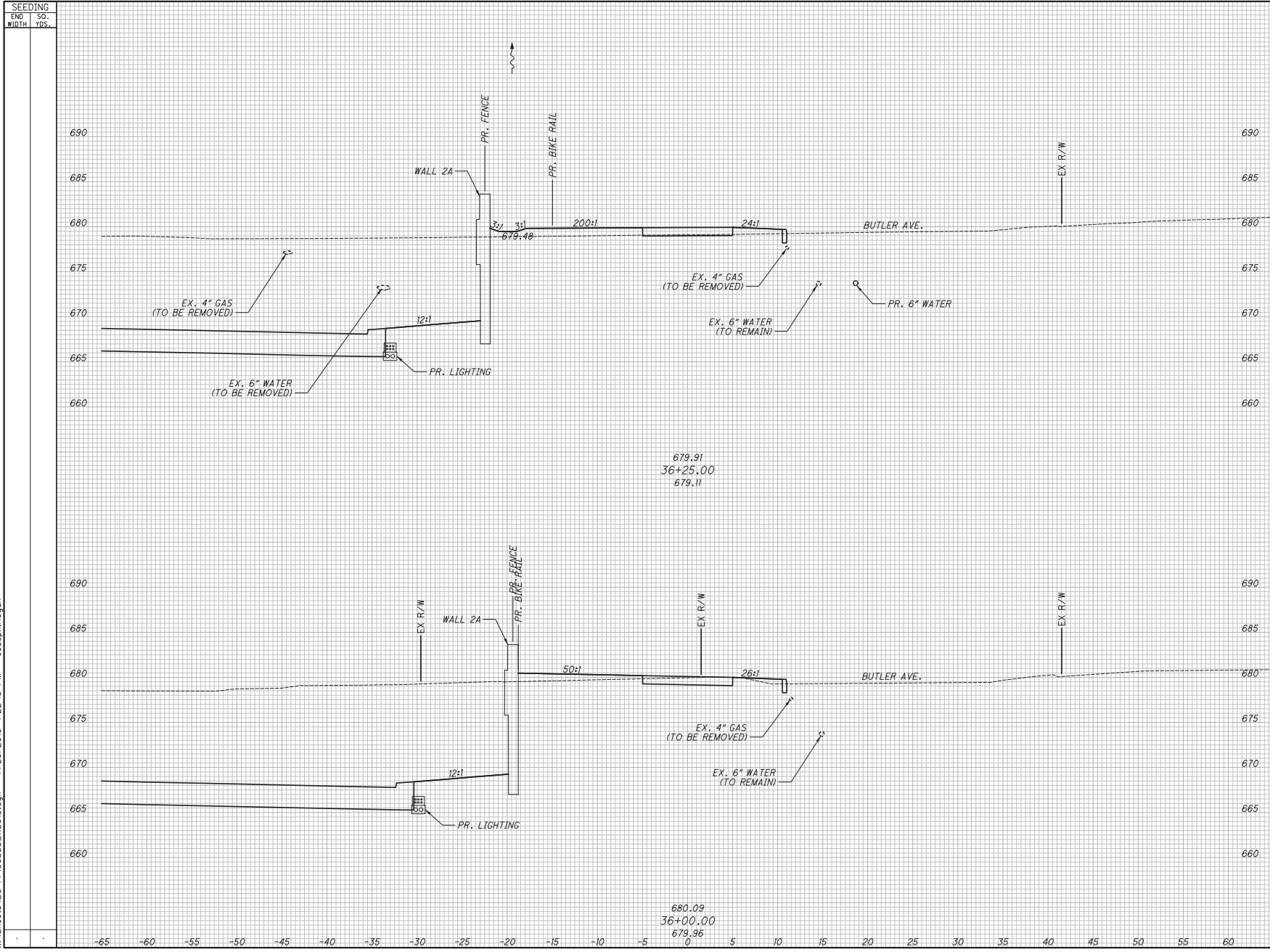
SEEDING	
END WIDTH	SO. YDS.



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

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

RELEASED FOR CONSTRUCTION	
CROSS SECTIONS - SHARED-USE PATH STA. 35+50.00 TO STA. 35+75.00	

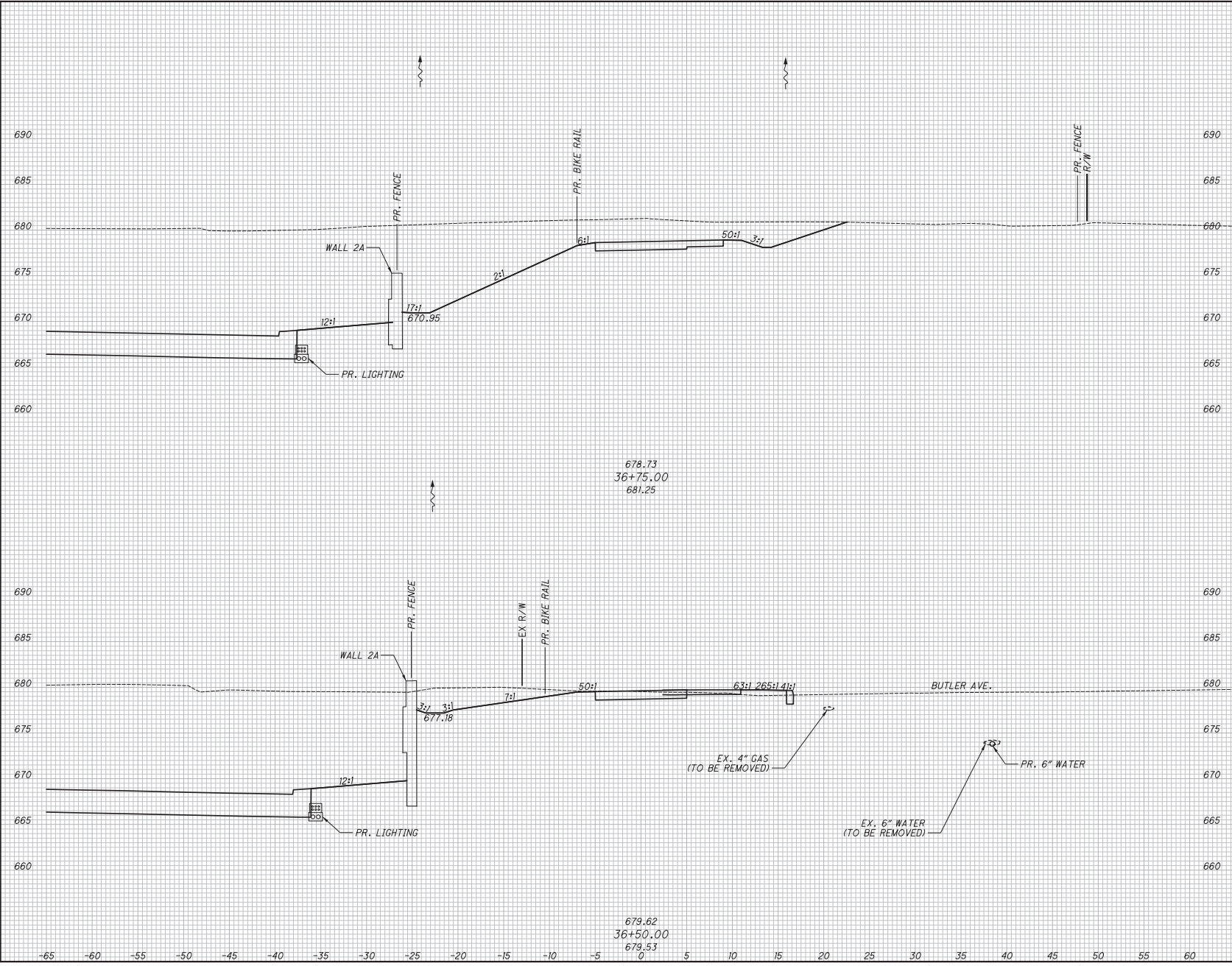


SEEDING		END AREA		VOLUME		CALCULATED		CHECKED	
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	JTH	SM	SM	SM

0 2019-07-29 RFC <i>David R. Penick</i> DESCRIPTION ISSUE RECORD		CUY-IR490 / SR010- 2.09 / 19.28	
		259 303	

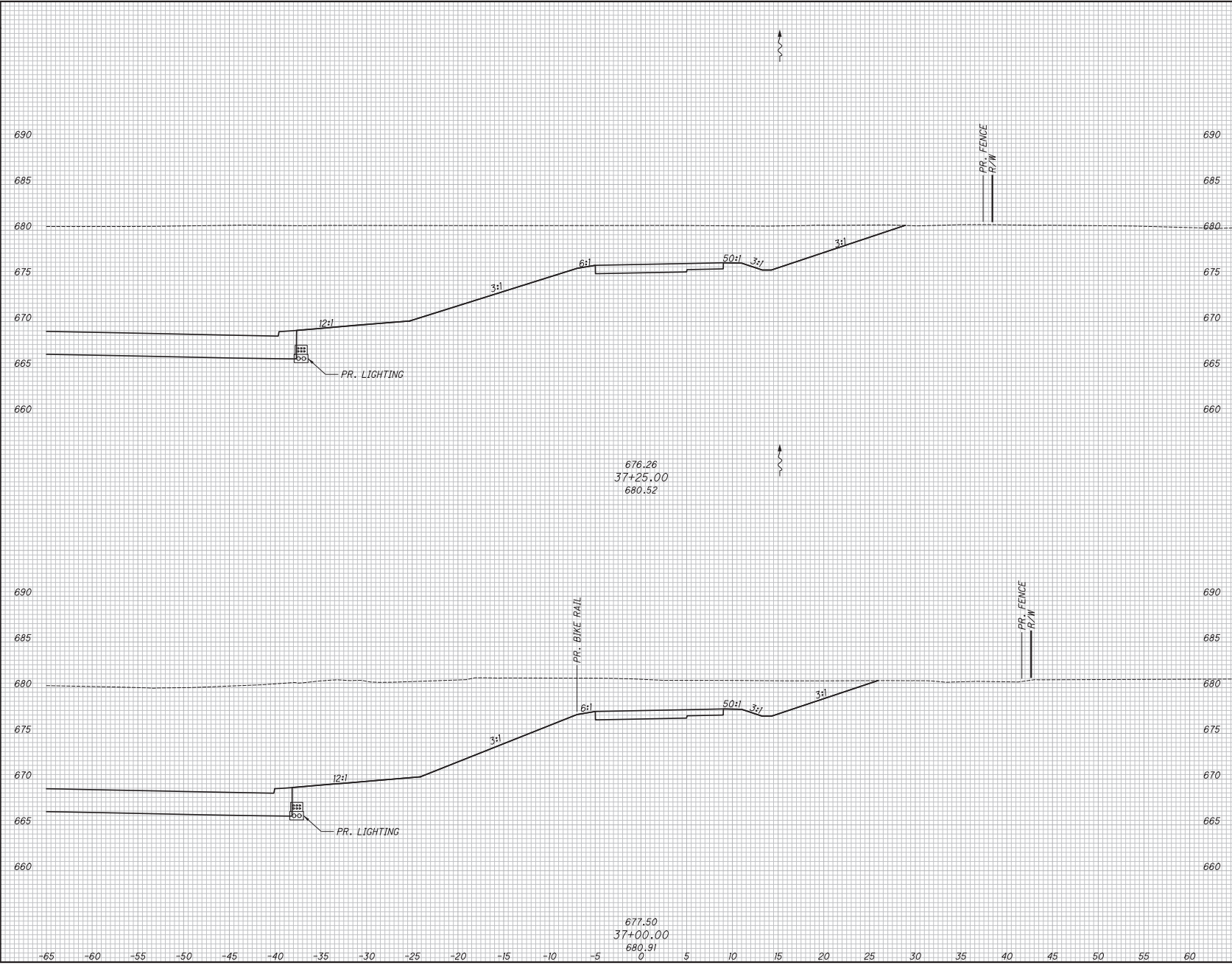
RELEASED
 FOR CONSTRUCTION
 CROSS SECTIONS - SHARED-USE PATH
 STA. 36+00.00 TO STA. 36+25.00

SEEDING
END WIDTH
SO. YDS.



END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM
RELEASED FOR CONSTRUCTION					
CROSS SECTIONS - SHARED-USE PATH					
STA. 36+50.00 TO STA. 36+75.00					
NO. DATE		DESCRIPTION		ISSUE RECORD	
0	2019-07-29	RFC	David R. Penhatch		
				CUY-IR490 / SR010-	
				2.09 / 19.28	
				260 303	

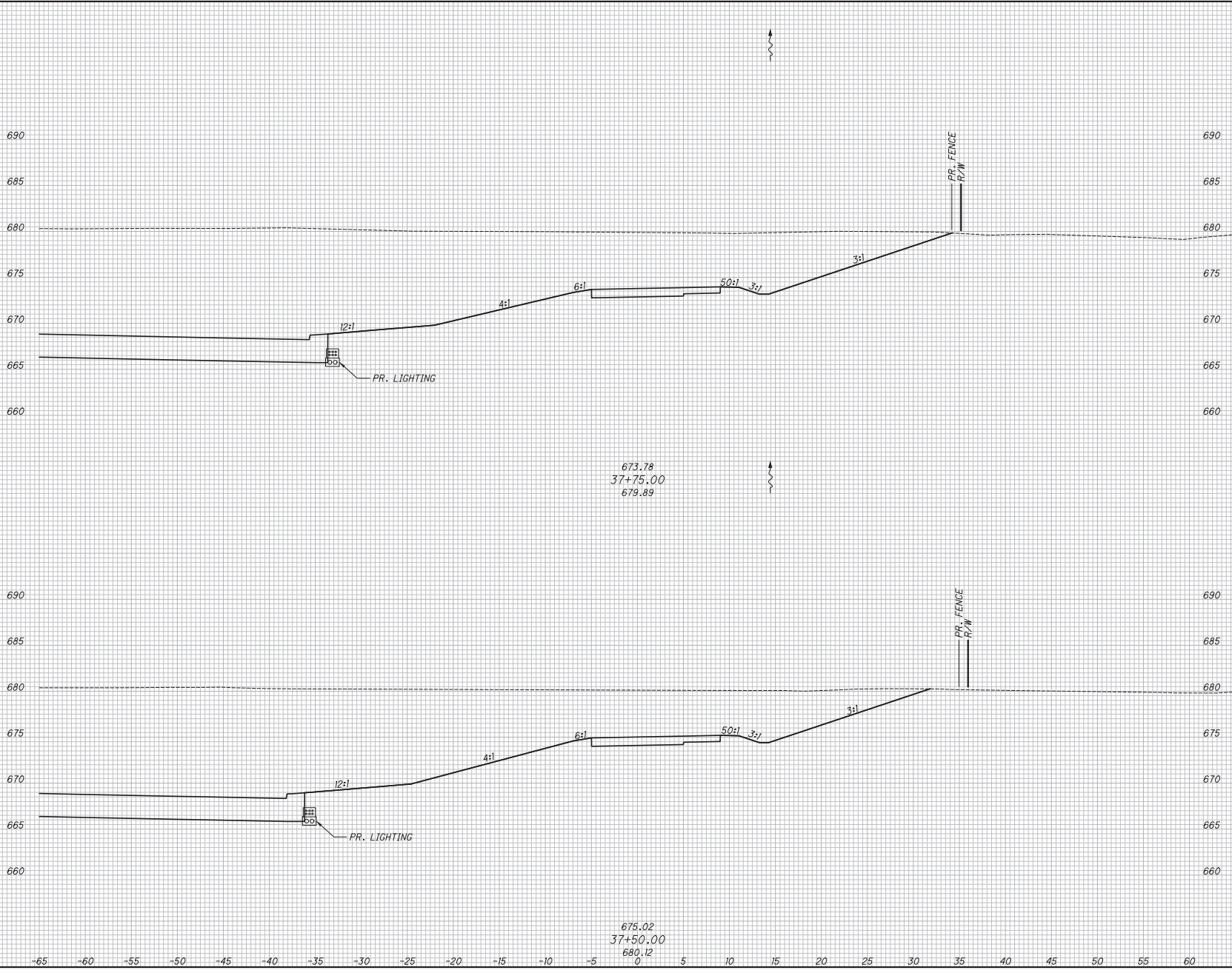
SEEDING	
END WIDTH	SO. YDS.



NO.	DATE	DESCRIPTION	VOLUME		CALCULATED JTH	CHECKED SM
			CUT	FILL		
0	2019-07-29	RFI David R. Penhatch				
ISSUE RECORD						
CUY-IR490 / SR010-2.09 / 19.28						
			261 303			

RELEASED FOR CONSTRUCTION
 CROSS SECTIONS - SHARED-USE PATH
 STA. 37+00.00 TO STA. 37+25.00

SEEDING	
END WIDTH	SO. YDS.



NO.	DATE	DESCRIPTION	ISSUE RECORD		CALCULATED JTH	CHECKED SM
			CUT	FILL		
0	2019-07-29	RFC David R. Penhatch				

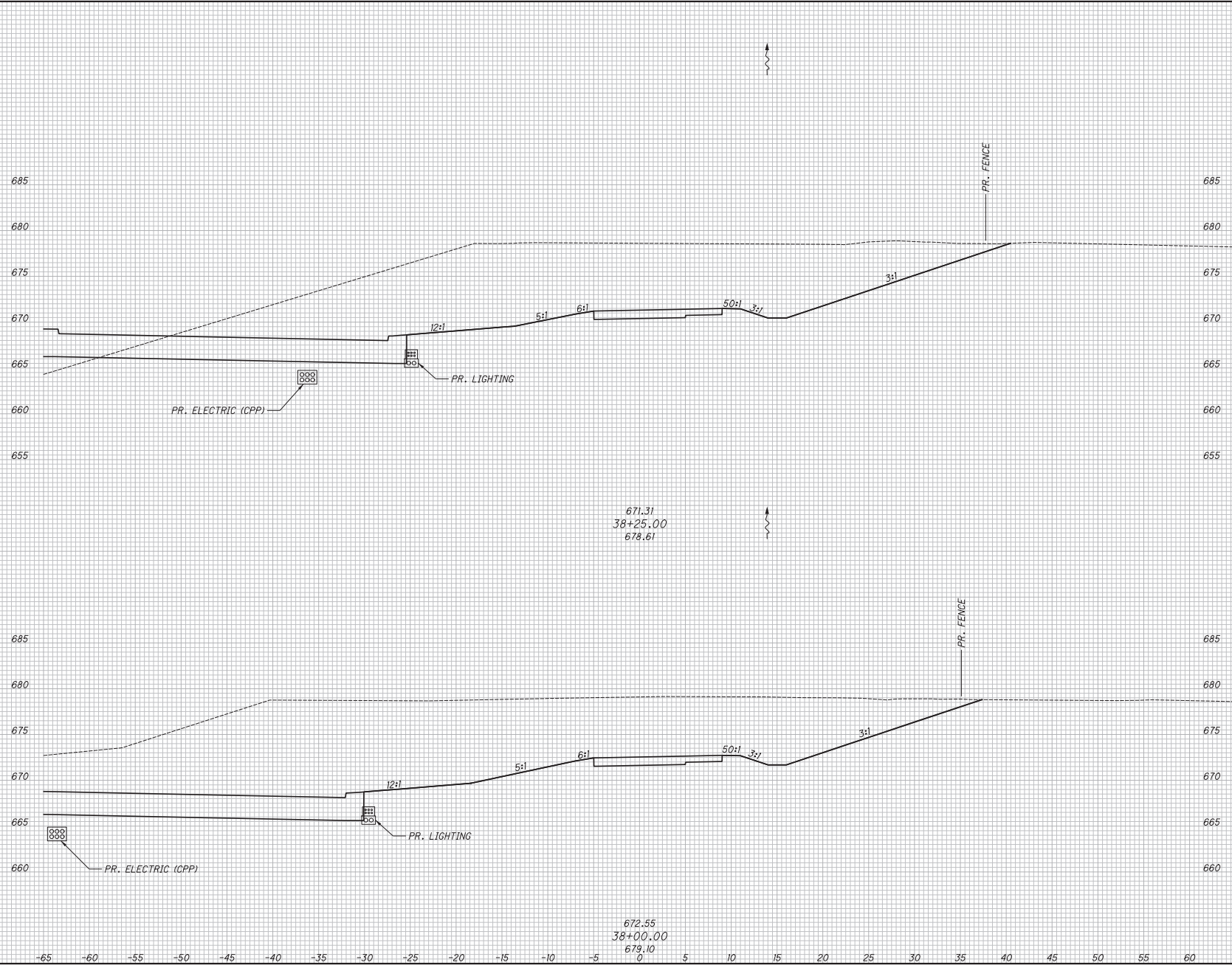
END AREA	VOLUME
CUT	FILL

RELEASED FOR CONSTRUCTION

CROSS SECTIONS - SHARED-USE PATH
 STA. 37+50.00 TO STA. 37+75.00

CUY-IR490 / SR010- 2.09 / 19.28

SEEDING	
END WIDTH	SO. YDS.



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

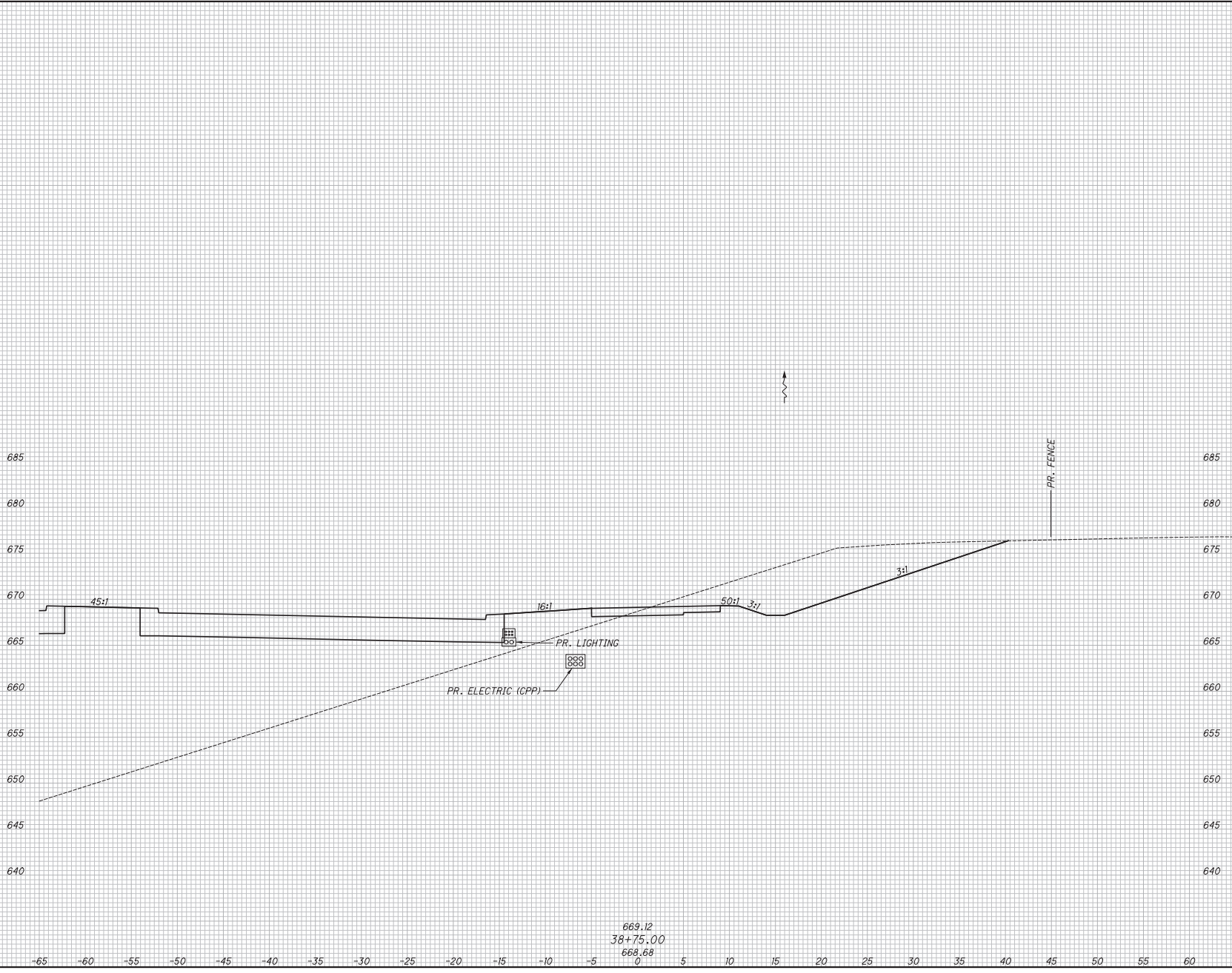
RELEASED
 FOR CONSTRUCTION
 CROSS SECTIONS - SHARED-USE PATH
 STA. 38+00.00 TO STA. 38+25.00

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

CUY-IR490 / SR010-
 2.09 / 19.28

263
303

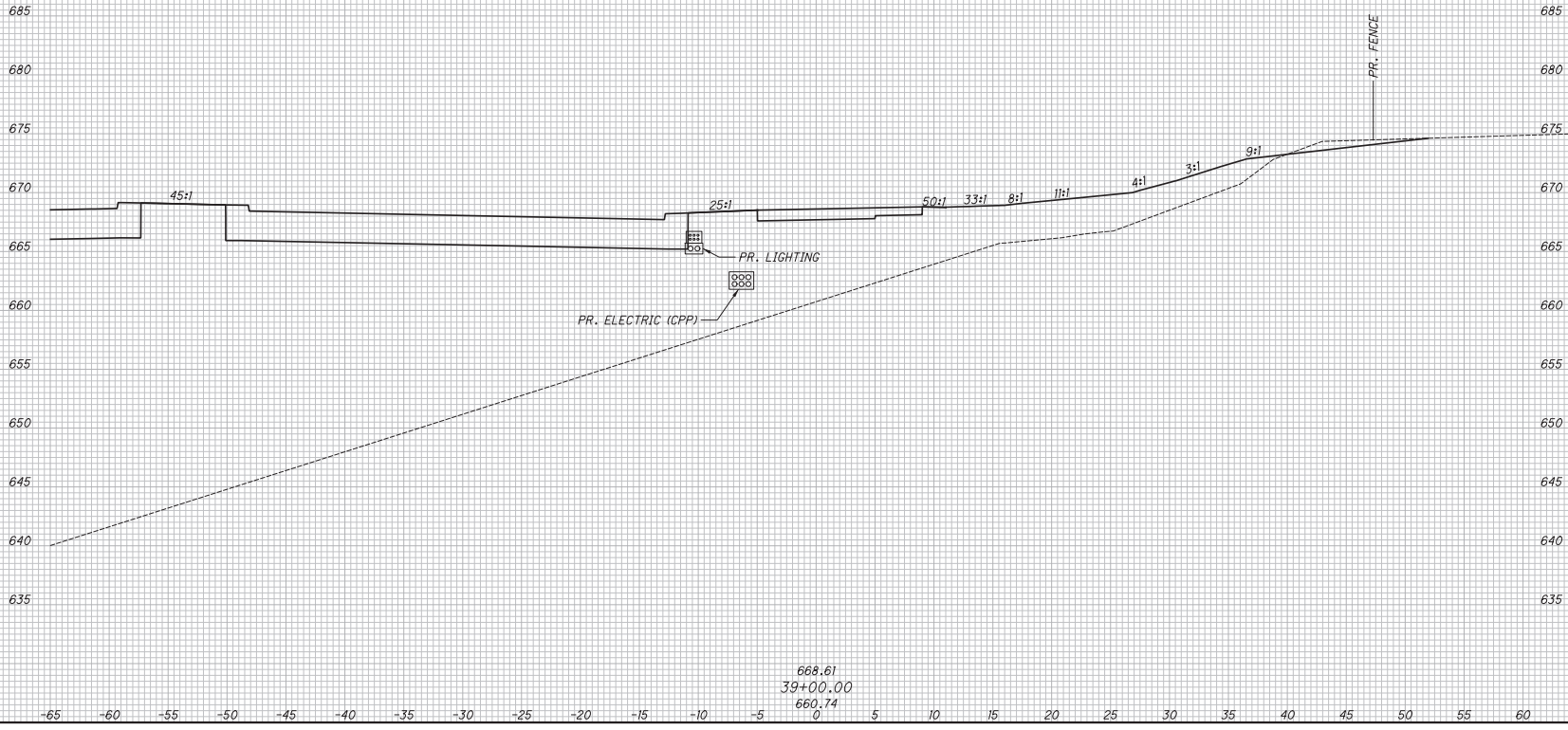
SEEDING	
END WIDTH	SO. YDS.



669.12
 38+75.00
 668.68
 0

NO.	DATE	DESCRIPTION	END AREA		VOLUME		CALCULATED JTH	CHECKED	SM
			CUT	FILL	CUT	FILL			
0	2019-07-29	RFI							
RELEASED FOR CONSTRUCTION									
CROSS SECTIONS - SHARED-USE PATH STA. 38+75.00									
CUY-IR490 / SR010- 2.09 / 19.28									
265 303									

SEEDING	
END WIDTH	SO. YDS.



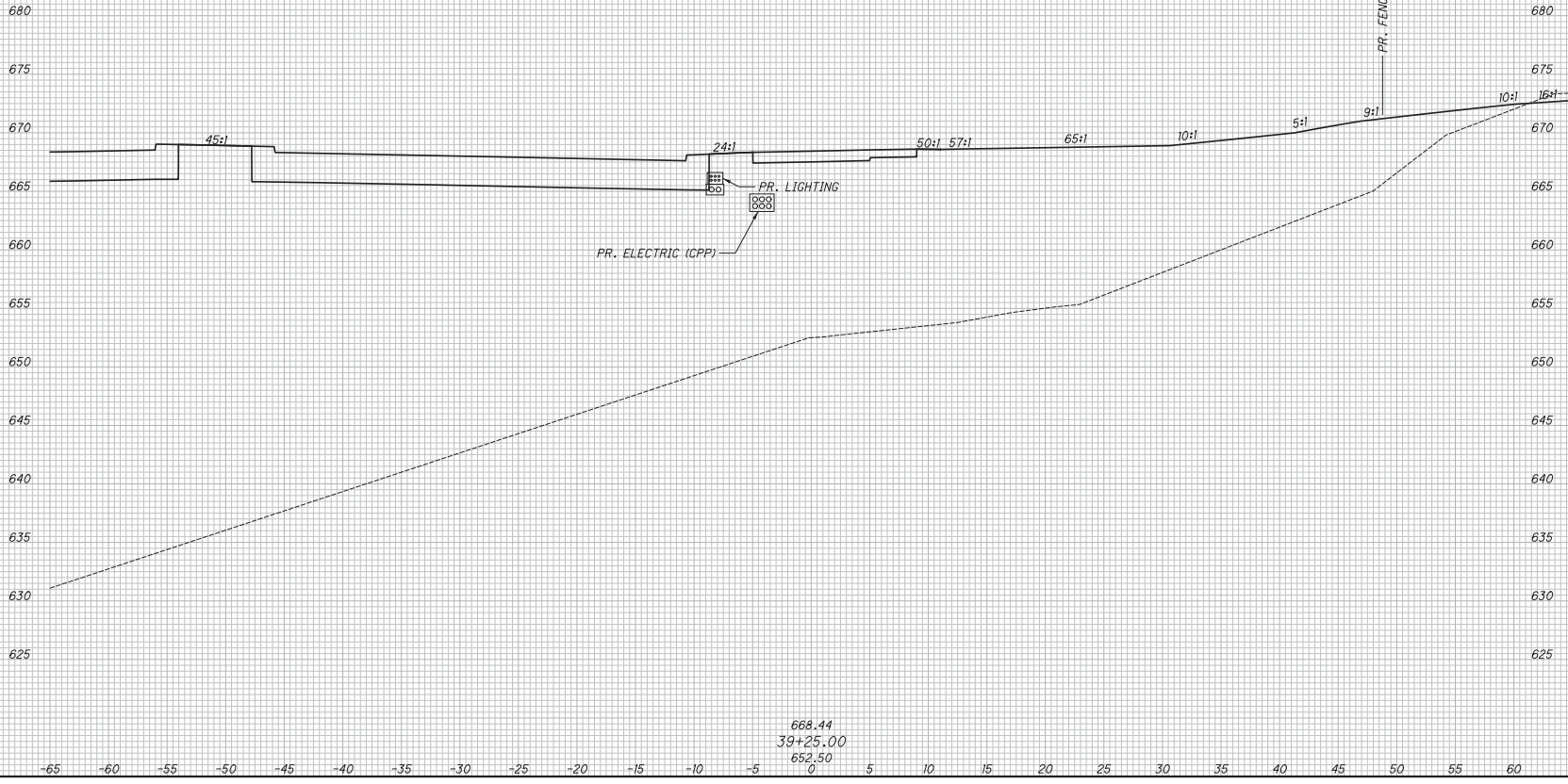
668.61
 39+00.00
 660.74
 0

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM

RELEASED
 FOR CONSTRUCTION
 CROSS SECTIONS - SHARED-USE PATH
 STA. 39+00.00

0	2019-07-29	RF	David R. Penhax	DESCRIPTION
NO.	DATE	BY	ISSUE RECORD	
CUY-IR490 / SR010- 2.09 / 19.28				
266 303				

SEEDING	
END WIDTH	SO. YDS.

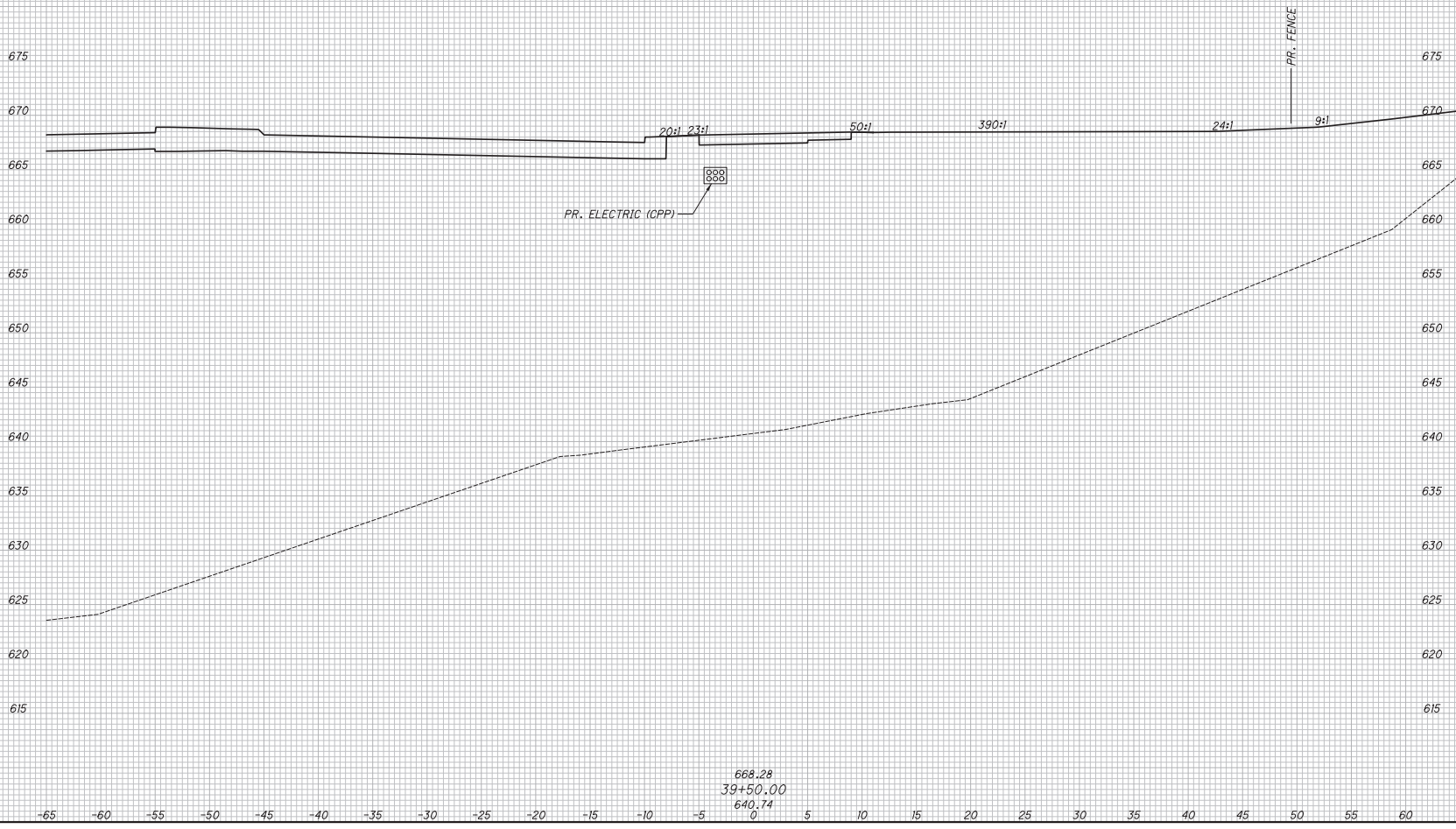


END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JTH	SM

<p style="font-size: 2em; opacity: 0.5;">RELEASED</p> <p style="font-size: 4em; opacity: 0.5;">FOR CONSTRUCTION</p>	<p>CROSS SECTIONS - SHARED-USE PATH</p> <p>STA. 39+25.00</p>
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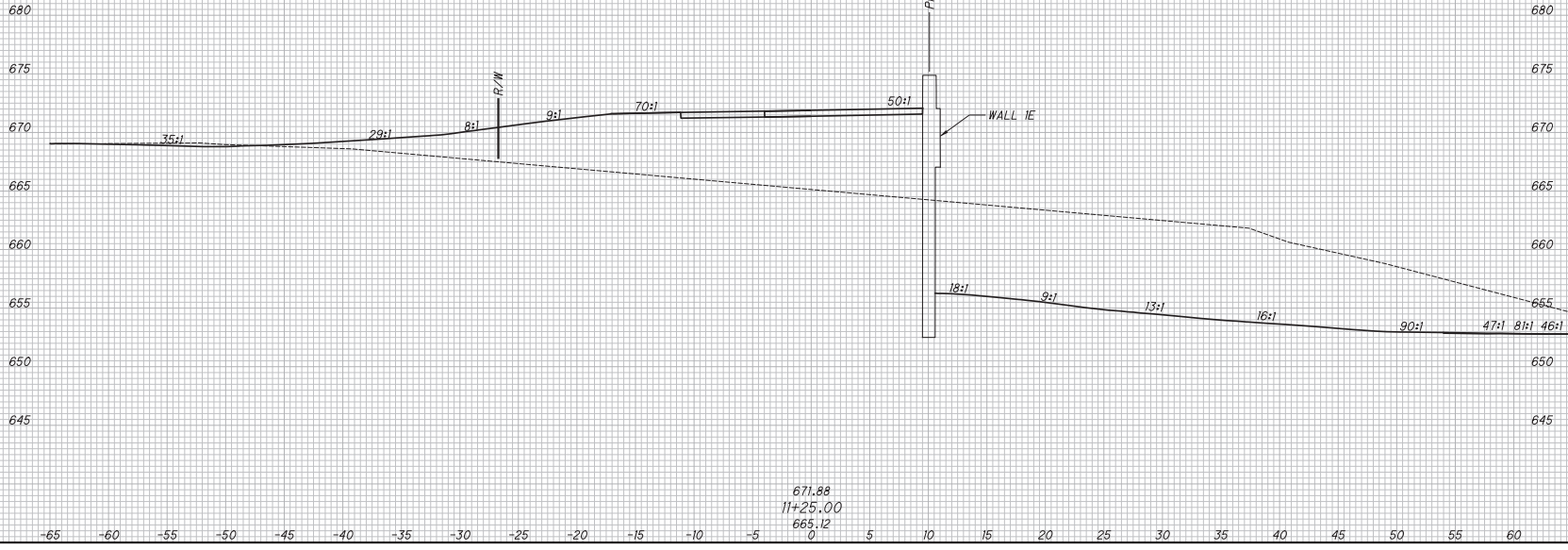
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> <tr> <td>0</td> <td>2019-07-29</td> <td>RFC <i>David R. Penhatch</i></td> </tr> </table>	NO.	DATE	DESCRIPTION	0	2019-07-29	RFC <i>David R. Penhatch</i>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2">ISSUE RECORD</th> </tr> <tr> <td style="width: 50%;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table> </td> <td style="width: 50%; text-align: center;"> <p>CUY-IR490 / SR010-</p> <p>2.09 / 19.28</p> </td> </tr> </table>	ISSUE RECORD		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	DATE	DESCRIPTION				<p>CUY-IR490 / SR010-</p> <p>2.09 / 19.28</p>
NO.	DATE	DESCRIPTION															
0	2019-07-29	RFC <i>David R. Penhatch</i>															
ISSUE RECORD																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	DATE	DESCRIPTION				<p>CUY-IR490 / SR010-</p> <p>2.09 / 19.28</p>										
NO.	DATE	DESCRIPTION															

SEEDING	
END WIDTH	SO. YDS.



NO.	DATE	DESCRIPTION	END AREA		VOLUME		CALCULATED		CHECKED	SM
			CUT	FILL	CUT	FILL	JTH	SM		
0	2019-07-29	RFI								
<p style="font-size: 2em; opacity: 0.5;">RELEASED</p> <p style="font-size: 4em; opacity: 0.5;">FOR CONSTRUCTION</p> <p style="font-weight: bold;">CROSS SECTIONS - SHARED-USE PATH</p> <p style="font-weight: bold;">STA. 39+50.00</p>										
<p>CUY-IR490 / SR010- 2.09 / 19.28</p>										
<p>268 303</p>										

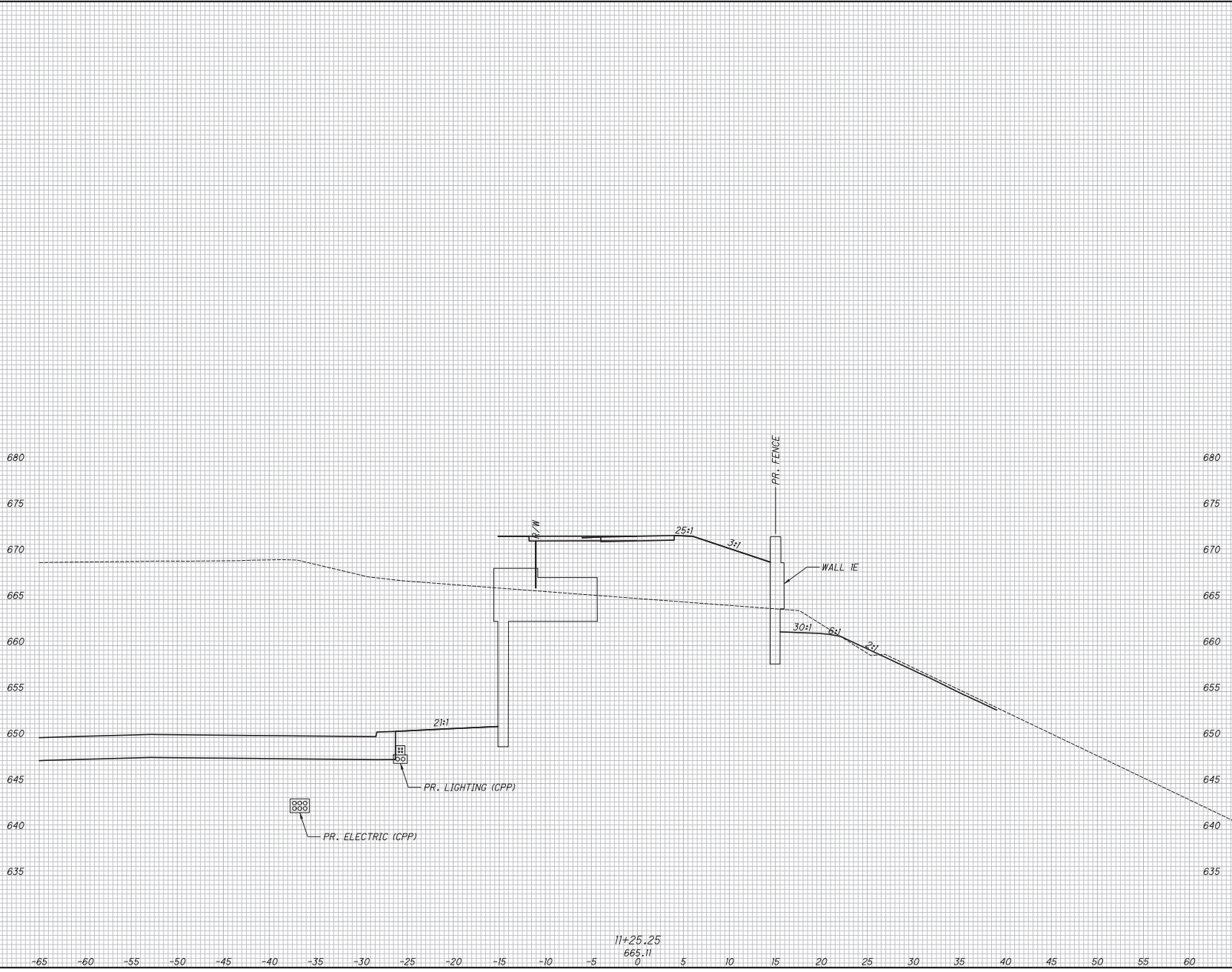
SEEDING	
END WIDTH	SO. YDS.



NO.	DATE	DESCRIPTION	END AREA		VOLUME		CHECKED	SM
			CUT	FILL	CUT	FILL		
0	2019-07-29	RF						
ISSUE RECORD								
David R. Penhatch DESCRIPTION								
CUY-IR490 / SR010- 2.09 / 19.28								
269 303								

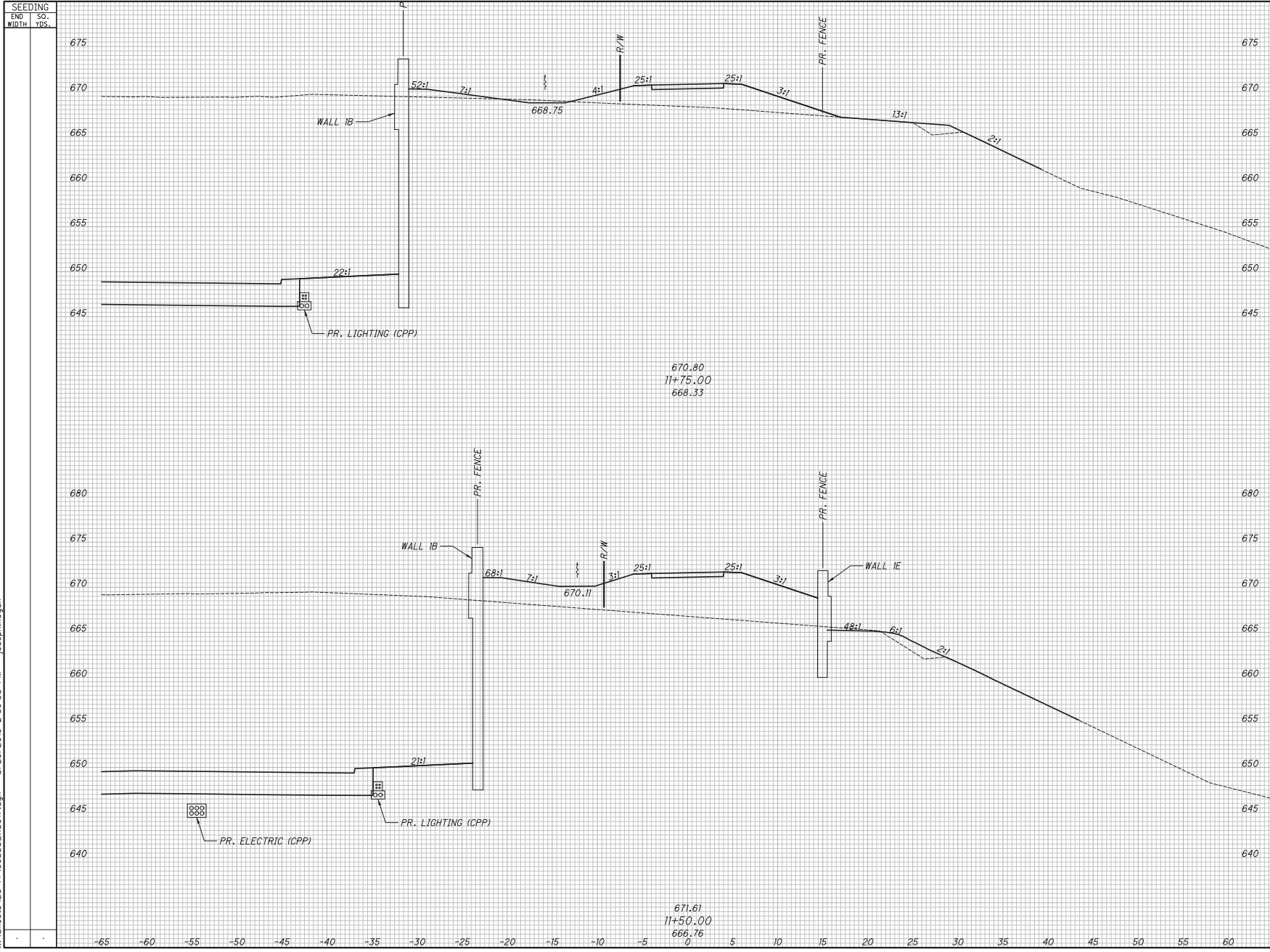
RELEASED
 FOR CONSTRUCTION
 CROSS SECTIONS - E. 59TH ST. PATH
 STA. 11+25.00

SEEDING	
END WIDTH	SO. YDS.



11+25.25
665.11
0

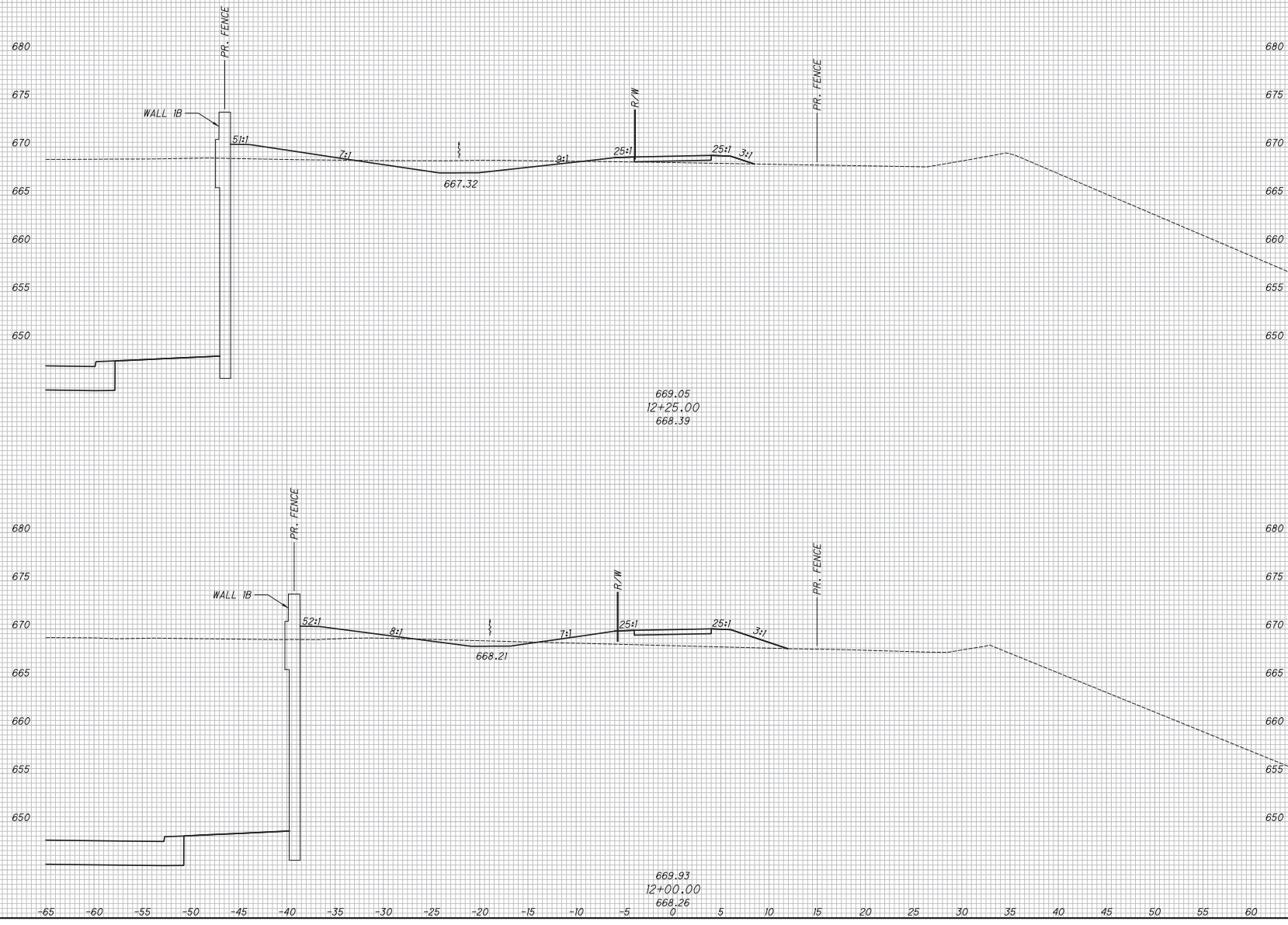
NO.	DATE	DESCRIPTION	VOLUME		CALCULATED		CHECKED	SM
			CUT	FILL	JTH	SM		
0	2019-07-29	RFC David R. Penhatch						
ISSUE RECORD								
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<p>CROSS SECTIONS - E. 59TH ST. PATH</p> <p>STA. 11+25.25</p>								
<p>CUY-IR490 / SR010-</p> <p>2.09 / 19.28</p>								
<p>270</p> <p>303</p>								



SEEDING		END SO. YDS.		END AREA		VOLUME		CALCULATED		CHECKED	
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	CUT	FILL	JTH	SM		
										<p style="text-align: center; font-size: 2em; opacity: 0.5;">RELEASED</p> <p style="text-align: center; font-size: 3em; opacity: 0.5;">FOR CONSTRUCTION</p> <p style="text-align: center;">CROSS SECTIONS - E. 59TH ST. PATH STA. 11+50.00</p>	
0	209-07-29	RF								<p style="text-align: center;">CUY-IR490 / SR010- 2.09 / 19.28</p>	
NO. DATE		DESCRIPTION		ISSUE RECORD						<p style="text-align: center;">(271) 303</p>	

SEEDING	
END WIDTH	SO. YDS.

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



RELEASED

FOR CONSTRUCTION

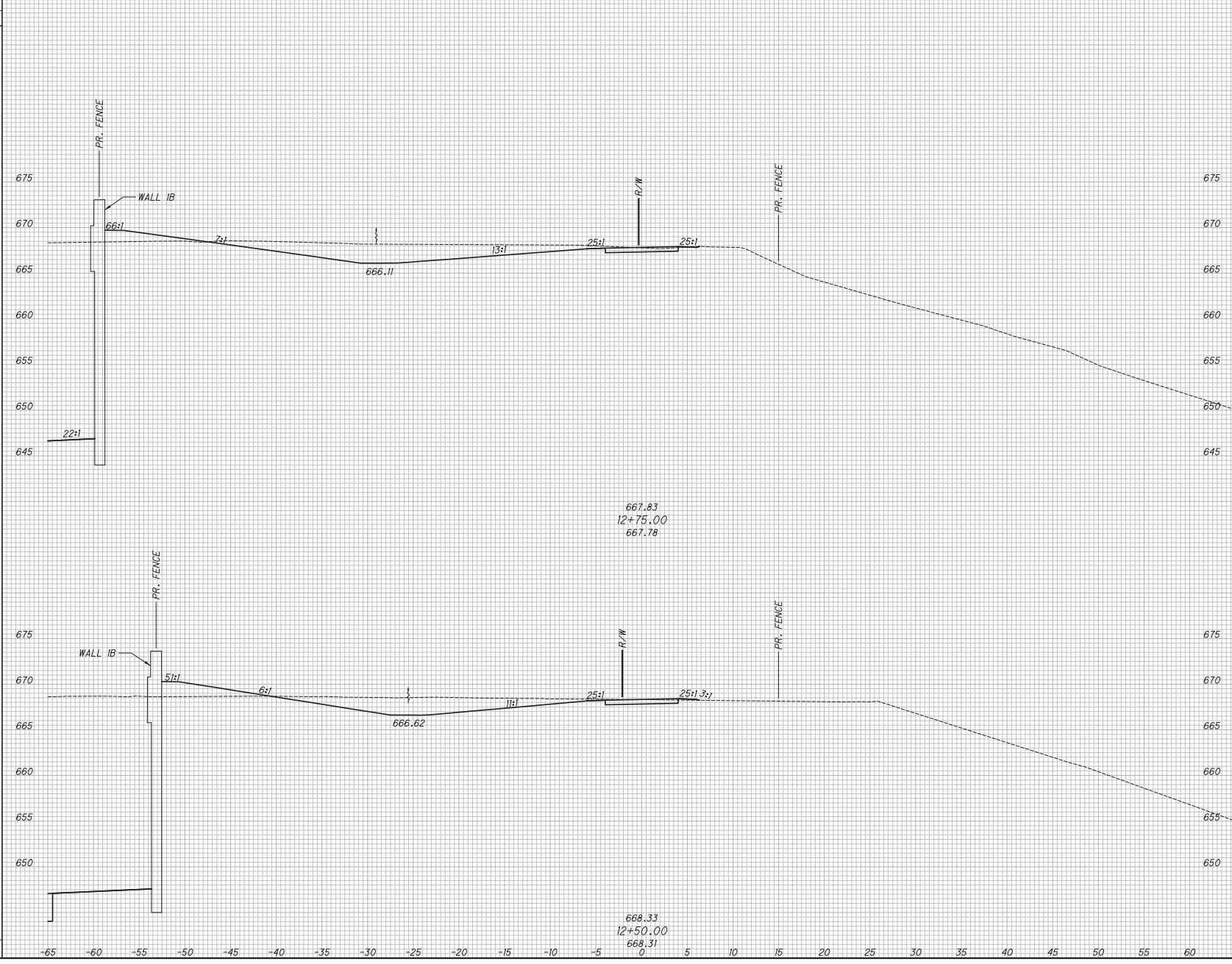
CROSS SECTIONS - E. 59TH ST. PATH
 STA. 12+00.00 TO STA. 12+25.00

NO.	DATE	DESCRIPTION
0	2019-07-29	RFI
		David R. Penhax

ISSUE RECORD
 CUY-IR490 / SR010-
 2.09 / 19.28

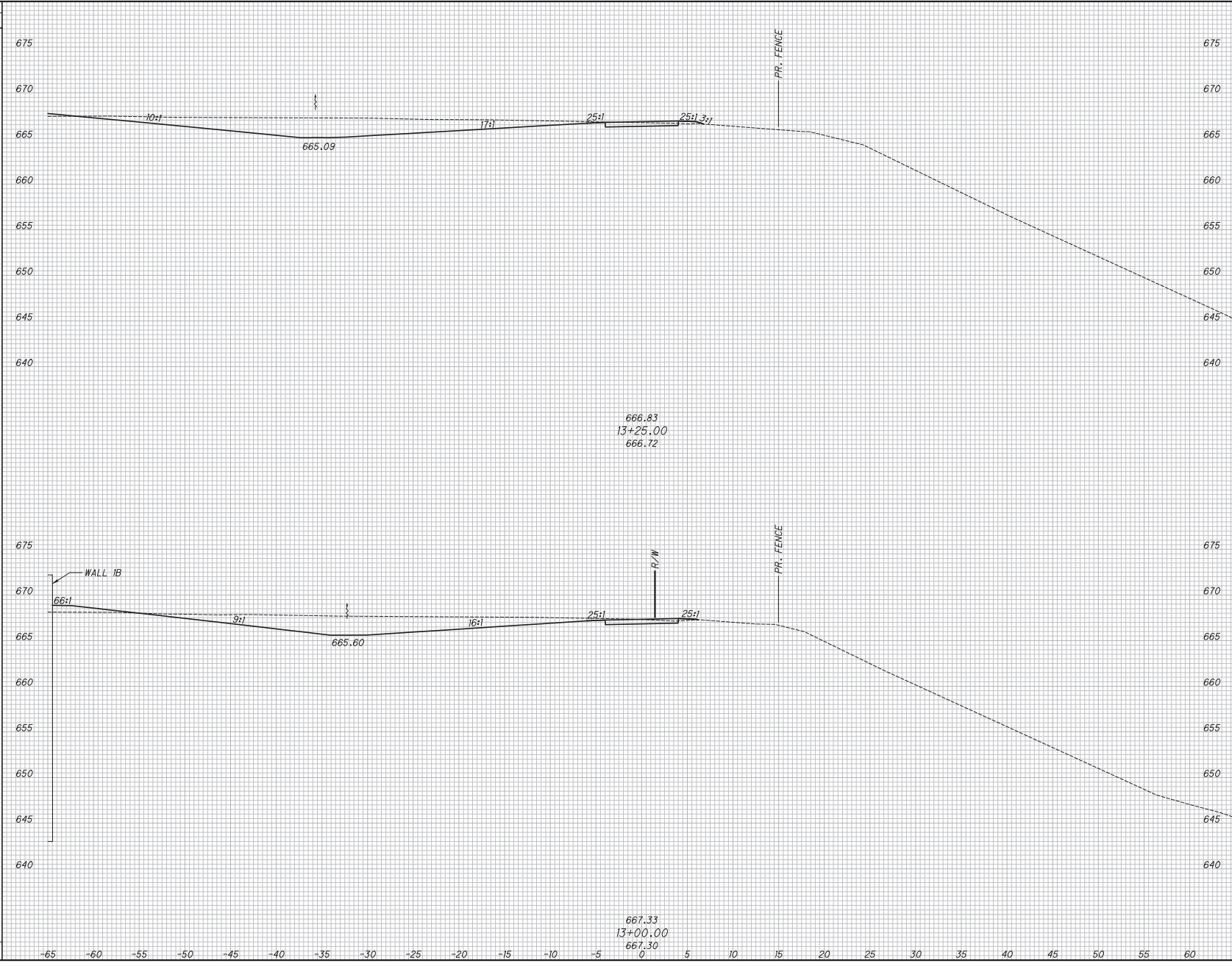
272
 303

SEEDING	SO.
END WIDTH	YDS.



END AREA		VOLUME		CALCULATED		CHECKED	
CUT	FILL	CUT	FILL	JTH	SM	JTH	SM
RELEASED							
FOR CONSTRUCTION							
CROSS SECTIONS - E. 59TH ST. PATH STA. 12+50.00 TO STA. 12+75.00							
NO.		DATE		DESCRIPTION		ISSUE RECORD	
0	2019-07-29	RF	David R. Penhatch				
CUY-IR490 / SR010-		2.09 / 19.28					
273 303							

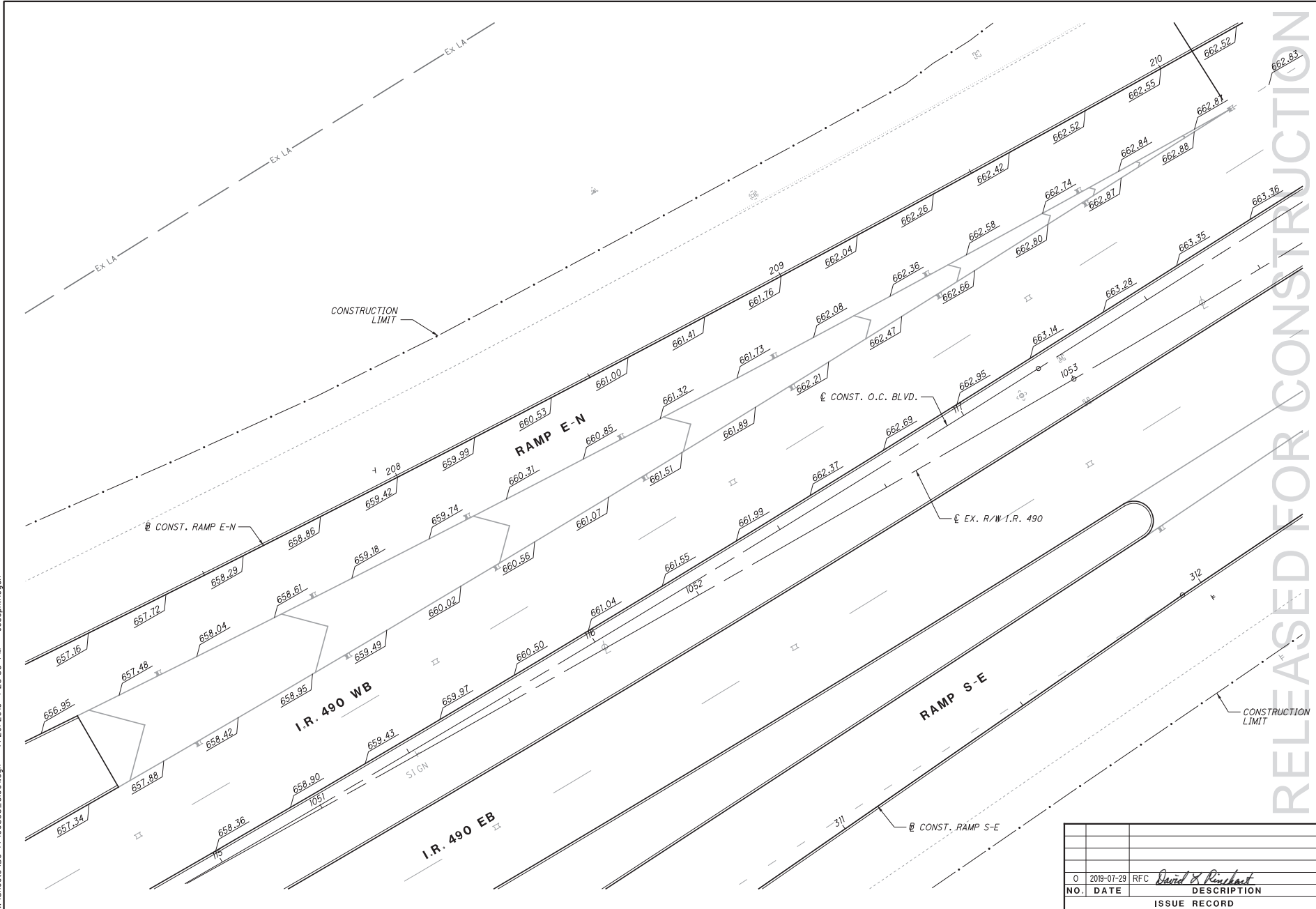
SEEDING	
END WIDTH	SO. YDS.



NO.	DATE	DESCRIPTION	END AREA		VOLUME		CALCULATED JTH	CHECKED SM
			CUT	FILL	CUT	FILL		
0	2009-07-29	RF						
<p style="font-size: 2em; opacity: 0.5;">RELEASED</p> <p style="font-size: 3em; opacity: 0.5;">FOR CONSTRUCTION</p> <p style="font-size: 1.2em; font-weight: bold;">CROSS SECTIONS - E. 59TH ST. PATH STA. 13+00.00 TO STA. 13+25.00</p>								
<p style="font-size: 1.2em; font-weight: bold;">CUY-IR490/SR010-</p>								<p style="font-size: 1.2em; font-weight: bold;">2.09 / 19.28</p>
<p style="font-size: 1.5em; border: 1px solid black; border-radius: 50%; padding: 5px;">274</p>								<p style="font-size: 1.5em; border: 1px solid black; border-radius: 50%; padding: 5px;">303</p>

STATION	PROFILE GRADE	OFFSET LEFT EDGE	EDGE ELEVATION LEFT EDGE	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	EB LEFT SHOULDER							EB LEFT LANE							EB RIGHT LANE							EB RIGHT SHOULDER																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
								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 LEFT EDGE	EDGE ELEVATION LEFT EDGE	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
109+00.00	642.34	1.16	642.27		-0.07	4.66%	6.01	7.16	642.55	19.17	642.76	0.21	0.42	1.75%	12.00	31.92	642.99	0.65	1.80%	12.76	43.92	642.82	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	313+	-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	31.92	644.06	0.64	1.96%	12.00	43.92	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	645.10	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	645.44	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		0.10	2.00%	4.00	9.16	645.20	21.17	645.44	0.18	0.42	2.00%	12.00	33.17	645.68	0.66	2.00%	12.00	45.17	645.44	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	190+	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		0.09	1.12%	1.80	10.26	646.61	22.27	646.74	0.11	0.25	1.12%	12.00	34.27	646.88	0.38	1.12%	12.00	44.07	646.68	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	-2.00%	9.00	110+80.00	647.16	9.96	647.24		0.07	0.72%	0.80	10.76	647.24	22.77	647.33	0.08	0.16	0.72%	12.00	34.77	647.41	0.25	0.72%	12.00	43.57	647.24	0.07	-2.00%	8.80	110+85.00	647.30	10.26	647.36		0.07	0.64%	0.60	10.86	647.37	22.87	647.44	0.07	0.15	0.64%	12.00	34.87	647.52	0.22	0.64%	12.00	43.47	647.35	0.05	-2.00%	8.60	110+90.00	647.43	10.56	647.49		0.06	0.56%	0.40	10.96	647.49	22.97	647.56	0.06	0.13	0.56%	12.00	34.97	647.63	0.20	0.56%	12.00	43.37	647.46	0.03	-2.00%	8.40	110+95.00	647.57	10.86	647.62		0.05	0.48%	0.20	11.06	647.62	23.07	647.68	0.05	0.11	0.48%	12.00	35.07	647.73	0.17	0.48%	12.00	43.27	647.57	0.00	-2.00%	8.20	111+00.00	647.70	11.16	647.74		0.04	0.40%	0.00	11.16	647.74	23.17	647.79	0.04	0.09	0.40%	12.00	35.17	647.84	0.14	0.40%	12.00	43.17	647.68	-0.02	-2.00%	8.00	111+05.00	647.83							11.26	647.87	23.27	647.91	0.04	0.07	0.32%	12.00	35.27	647.95	0.11	0.32%	12.00	43.07	647.79	-0.04	-2.00%	7.80	111+10.00	647.97							11.36	648.00	23.37	648.02	0.03	0.06	0.24%	12.00	35.37	648.05	0.08	0.24%	12.00	42.97	647.90	-0.07	-2.00%	7.60	111+15.00	648.10							11.46	648.12	23.47	648.14	0.02	0.04	0.16%	12.00	35.47	648.16	0.06	0.16%	12.00	42.87	648.01	-0.09	-2.00%	7.40	111+20.00	648.24							11.56	648.25	23.57	648.25	0.01	0.02	0.08%	12.00	35.57	648.26	0.03	0.08%	12.00	42.77	648.12	-0.12	-2.00%	7.20	111+25.00	648.37							11.66	648.37	23.67	648.37	0.00	0.00	0.00%	12.00	35.67	648.37	0.00	0.00%	12.00	42.67	648.23	-0.14	-2.00%	7.00	111+30.00	648.50							11.76	648.49	23.77	648.48	-0.01	-0.02	-0.08%	12.00	35.77	648.48	-0.03	-0.08%	12.00	42.57	648.34	-0.16	-2.00%	6.80	111+35.00	648.64	

STATION	PROFILE GRADE	OFFSET LEFT EDGE	EDGE ELEVATION LEFT EDGE	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	WB LEFT SHOULDER							WB MIDDLE LANE							WB RIGHT LANE							WB RIGHT SHOULDER						
								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				
109+00.00	642.34	-54.75	642.34	0.00	4.50%	10.00		-44.75	642.79	0.45	1.17%	12.00	-32.75	642.93	0.59	-1.33%	12.00	-20.74	642.77	-8.74	642.52	0.43	0.18	-2.08%	12.00	-1.66	642.26	-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	644.61	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	645.82	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	0.09	-1.44%	12.00	-3.44	646.01	0.05	-1.44%	2.60					
110+40.00	646.09	-51.95	646.06	-0.03	2.00%	10.00		-41.95	646.26	0.17	2.00%	12.00	-29.95	646.50	0.41	-1.36%	12.00	-17.94	646.34	-5.94	646.14	0.24	0.08	-1.36%	12.00	-3.54	646.14	0.05	-1.36%	2.40					
110+45.00	646.23	-51.85	646.17	-0.06	2.00%	10.00		-41.85	646.37	0.14	2.00%	12.00	-29.85	646.61	0.38	-1.28%	12.00	-17.84	646.45	-5.84	646.30	0.23	0.07	-1.28%	12.00	-3.64	646.27	0.05	-1.28%	2.20					
110+50.00	646.36	-51.75	646.28	-0.08	2.00%	10.00		-41.75	646.48	0.12	2.00%	12.00	-29.75	646.72	0.36	-1.20%	12.00	-17.74	646.57	-5.74	646.43	0.21	0.07	-1.20%	12.00	-3.74	646.40	0.04	-1.20%	2.00					
110+55.00	646.49	-51.65	646.39	-0.11	2.00%	10.00		-41.65	646.59	0.09	2.00%	12.00	-29.65	646.83	0.33	-1.12%	12.00	-17.64	646.69	-5.64	646.56	0.20	0.06	-1.12%	12.00	-3.84	646.54	0.04	-1.12%	1.80					
110+60.00	646.63	-51.55	646.50	-0.13	2.00%	10.00		-41.55	646.70	0.07	2.00%	12.00	-29.55	646.94	0.31	-1.04%	12.00	-17.54	646.81	-5.54	646.69	0.18	0.06	-1.04%	12.00	-3.94	646.67	0.04	-1.04%	1.60					
110+65.00	646.76	-51.45	646.60	-0.16	2.00%	10.00		-41.45	646.80	0.04	2.00%	12.00	-29.45	647.04	0.28	-0.96%	12.00	-17.44	646.93	-5.44	646.81	0.17	0.05	-0.96%	12.00	-4.04	646.80	0.04	-0.96%	1.40					
110+70.00	646.90	-51.35	646.71	-0.18	2.00%	10.00		-41.35	646.91	0.02	2.00%	12.00	-29.35	647.15	0.26	-0.88%	12.00	-17.34	647.05	-5.34	646.94	0.15	0.05	-0.88%	12.00	-4.14	646.93	0.04	-0.88%	1.20					
110+75.00	647.03	-51.25	646.82	-0.21	2.00%	10.00		-41.25	647.02	-0.01	2.00%	12.00	-29.25	647.26	0.23	-0.80%	12.00	-17.24	647.17	-5.24	647.07	0.14	0.04	-0.80%	12.00	-4.24	647.06	0.03	-0.80%	1.00					
110+80.00	647.16	-51.15	646.93	-0.23	2.00%	10.00		-41.15	647.13	-0.03	2.00%	12.00	-29.15	647.37	0.21	-0.72%	12.00	-17.14	647.29	-5.14	647.20	0.12	0.04	-0.72%	12.00	-4.34	647.20	0.03	-0.72%	0.80					
110+85.00	647.30	-51.05	647.04	-0.25	2.00%	10.00		-41.05	647.24	-0.05	2.00%	12.00	-29.05	647.48	0.19	-0.64%	12.00	-17.04	647.41	-5.04	647.33	0.11	0.03	-0.64%	12.00	-4.44	647.33	0.03	-0.64%	0.60					
110+90.00	647.43	-50.95	647.15	-0.28	2.00%	10.00		-4																											



RELEASED FOR CONSTRUCTION

CALCULATED: []
 DRL: []
 CHECKED: JTH
 HORIZONTAL SCALE: IN FEET
 0 10 20

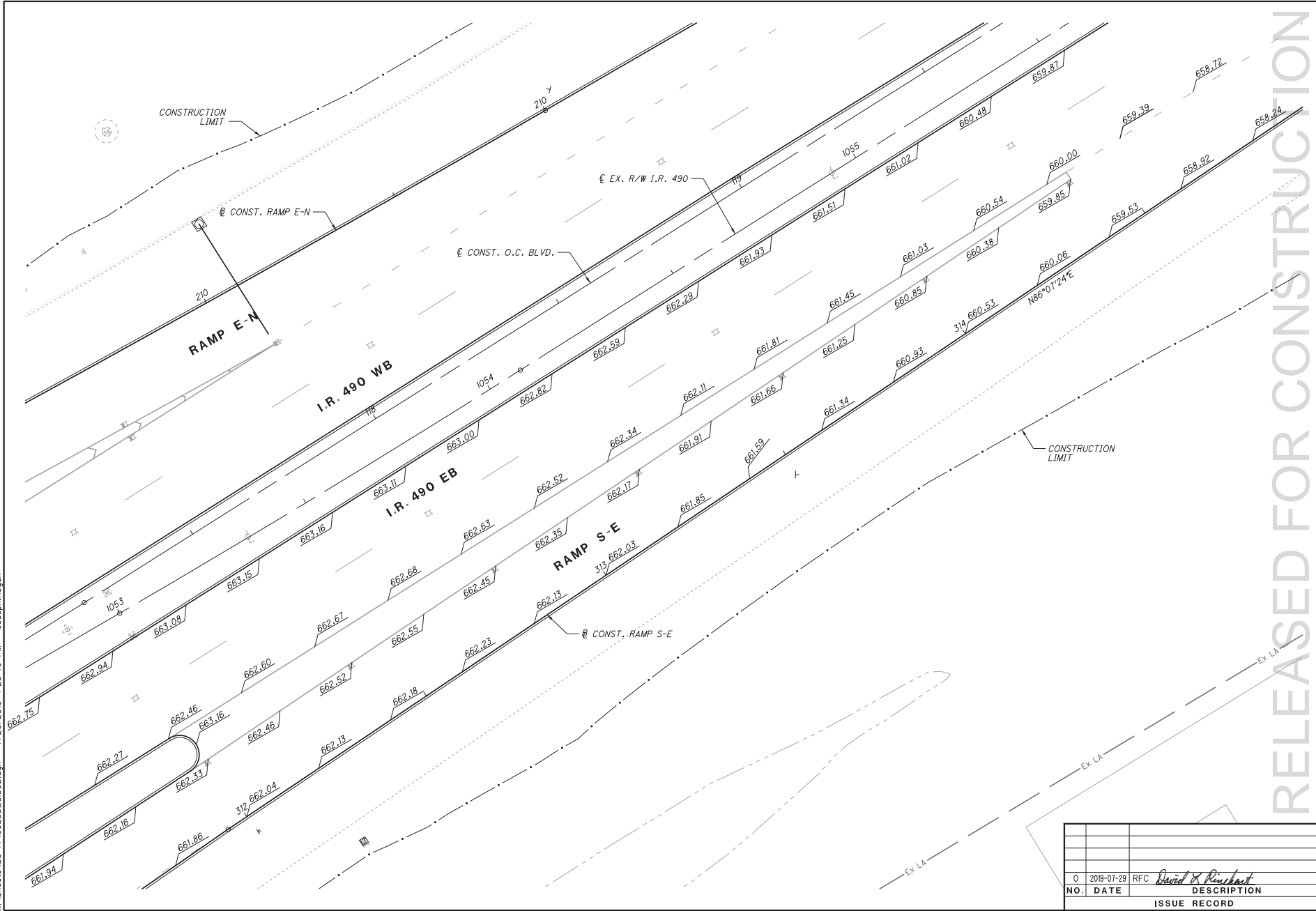
RAMP TERMINAL DETAIL
RAMP E-N

CUY-IR490/SR010-
2.09 / 19.28

278
303

NO.	DATE	DESCRIPTION
0	2018-07-29	RFC <i>David X. Reinhardt</i>
ISSUE RECORD		

BU-14 - ROADWAY & PAVEMENT, BEGIN PROJECT TO KINGSBURY RUN
 ...S:\Sheets\BU-14\96833_0002.dgn 7/26/2019 4:23:49 PM Joseph.Hogan



RELEASED FOR CONSTRUCTION

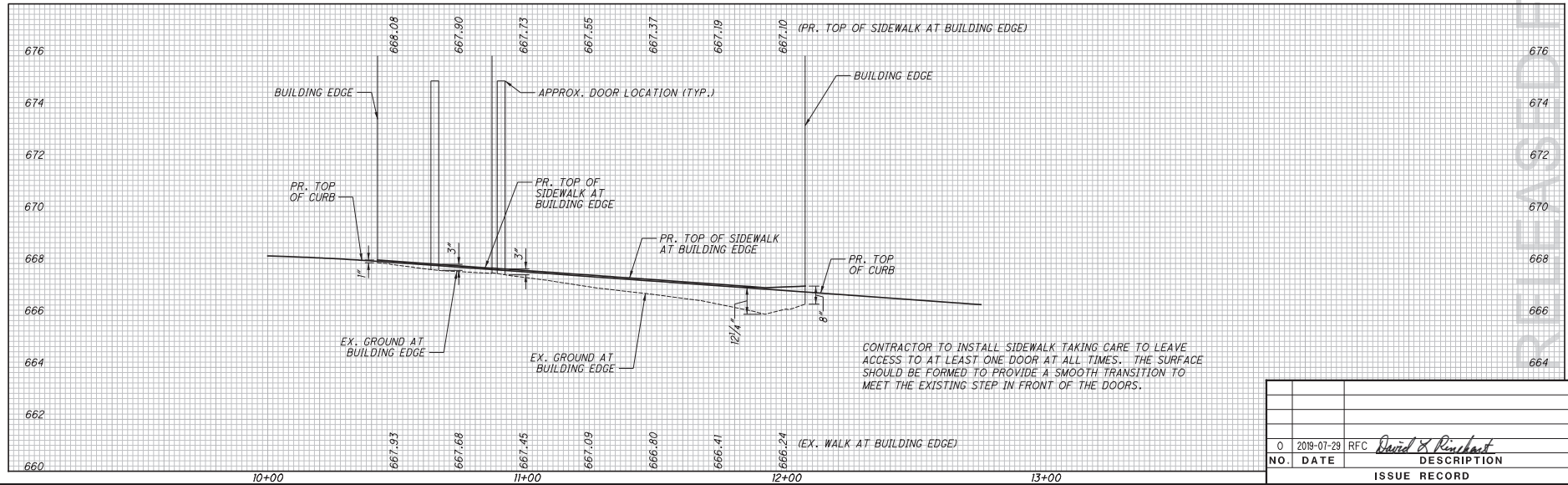
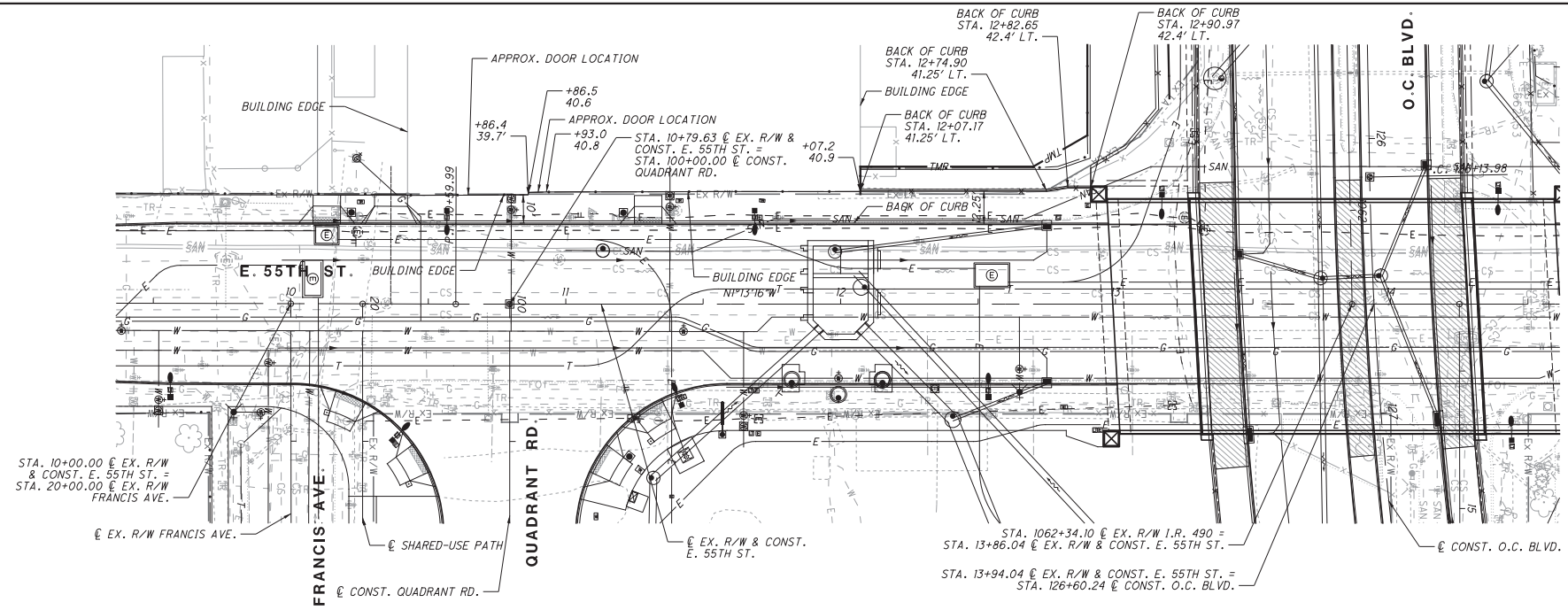


CALCULATED: JTH
 DRL: JTH
 CHECKED: JTH
RAMP TERMINAL DETAIL
RAMP S-E

CUY-IR490/SR010-
2.09 / 19.28

279
 303

NO.	DATE	DESCRIPTION
0	2018-07-29	RFC <i>David X. Reinhardt</i>
ISSUE RECORD		



NO.	DATE	DESCRIPTION
0	2018-07-29	RFC <i>David X. Reinhardt</i>
ISSUE RECORD		

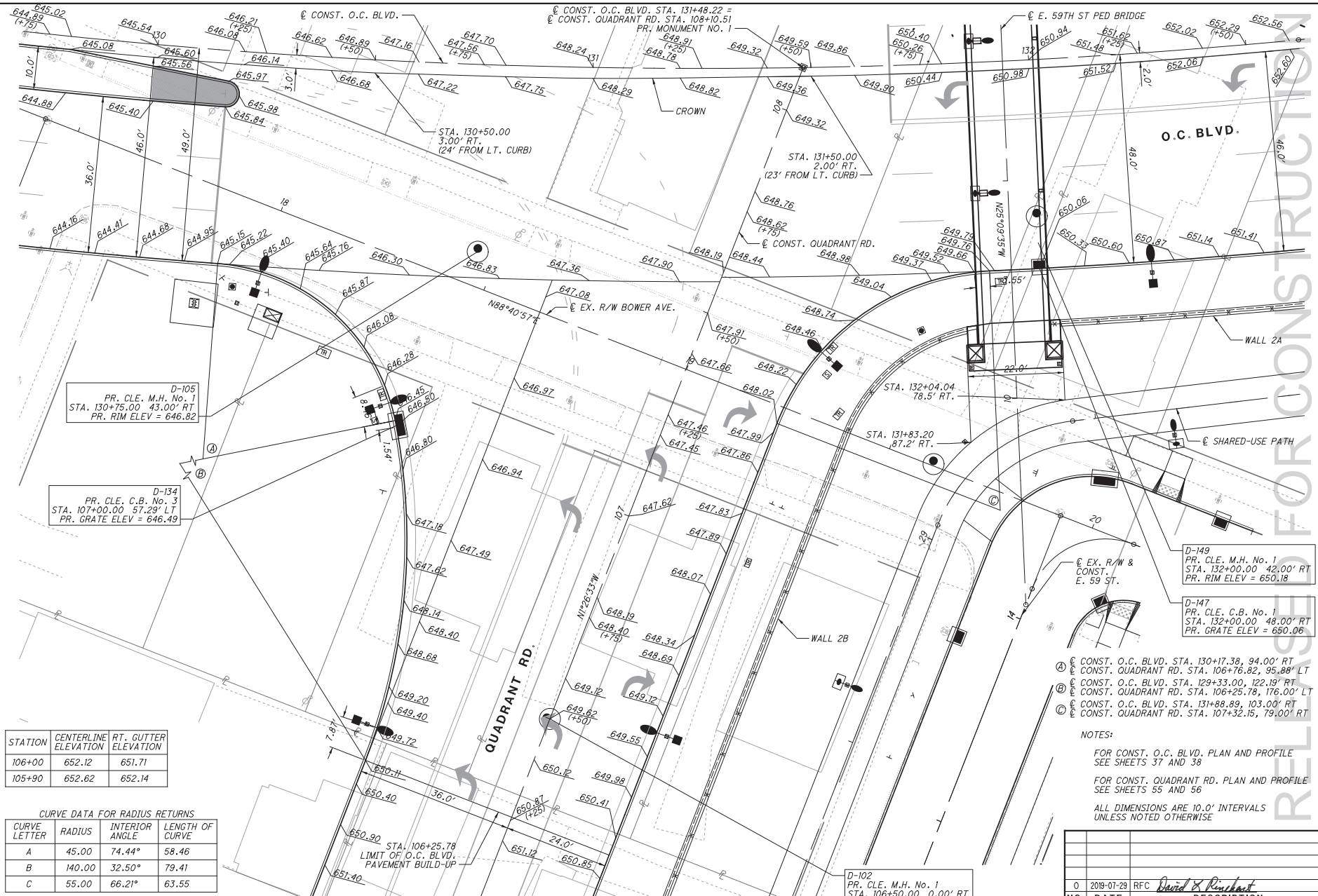


BROST FOUNDRY ELEVATION DETAIL

CUY-IR490/SR010-2.09 / 19.28

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303

RELEASED FOR CONSTRUCTION



STATION	CENTERLINE ELEVATION	RT. GUTTER ELEVATION
106+00	652.12	651.71
105+90	652.62	652.14

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

ALL DISTANCES ARE MEASURED TO THE FACE OF CURB

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

D-105
PR. CLE. M.H. No. 1
STA. 130+75.00 43.00' RT
PR. RIM ELEV = 646.82

D-134
PR. CLE. C.B. No. 3
STA. 107+00.00 57.29' LT
PR. GRATE ELEV = 646.49

D-149
PR. CLE. M.H. No. 1
STA. 132+00.00 42.00' RT
PR. RIM ELEV = 650.18

D-147
PR. CLE. C.B. No. 1
STA. 132+00.00 48.00' RT
PR. GRATE ELEV = 650.06

- (A) CONST. O.C. BLVD. STA. 130+17.38, 94.00' RT
CONST. QUADRANT RD. STA. 106+76.82, 95.88' LT
- (B) CONST. O.C. BLVD. STA. 129+33.00, 122.19' RT
CONST. QUADRANT RD. STA. 106+25.78, 176.00' LT
- (C) CONST. O.C. BLVD. STA. 131+88.89, 103.00' RT
CONST. QUADRANT RD. STA. 107+32.15, 79.00' RT

NOTES:
FOR CONST. O.C. BLVD. PLAN AND PROFILE
SEE SHEETS 37 AND 38
FOR CONST. QUADRANT RD. PLAN AND PROFILE
SEE SHEETS 55 AND 56
ALL DIMENSIONS ARE 10.0' INTERVALS
UNLESS NOTED OTHERWISE

NO.	DATE	DESCRIPTION
0	2019-07-29	RFC <i>David X. Rinehart</i>
		ISSUE RECORD



INTERSECTION DETAIL
O.C. BLVD. & QUADRANT RD.

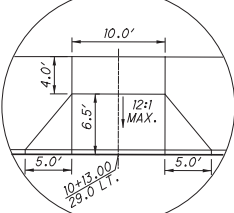
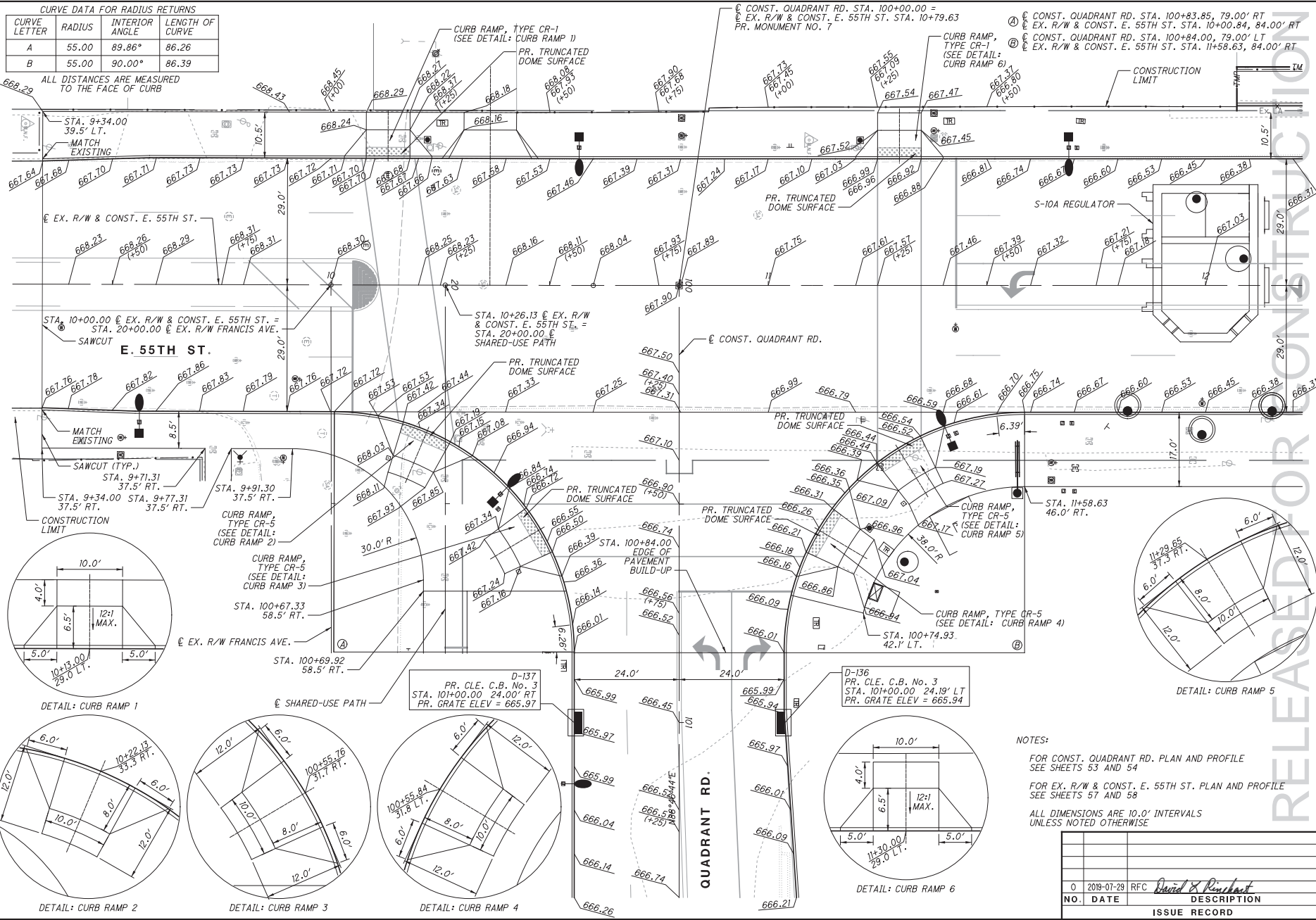
CUY-IR490/SR010-
2.09 / 19.28

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303

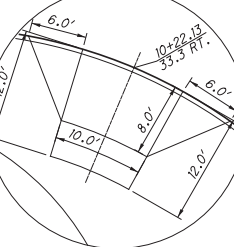
CURVE DATA FOR RADIUS RETURNS

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

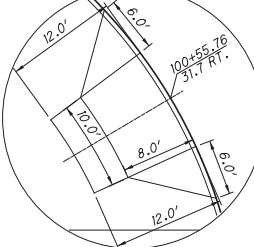
ALL DISTANCES ARE MEASURED TO THE FACE OF CURB



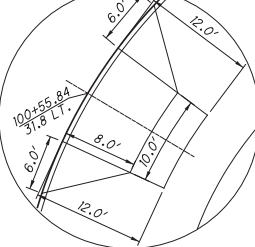
DETAIL: CURB RAMP 1



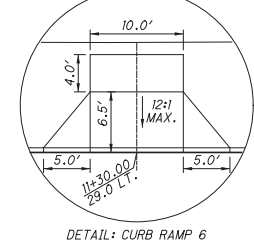
DETAIL: CURB RAMP 2



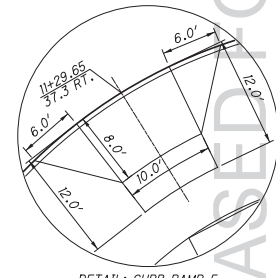
DETAIL: CURB RAMP 3



DETAIL: CURB RAMP 4



DETAIL: CURB RAMP 6



DETAIL: CURB RAMP 5

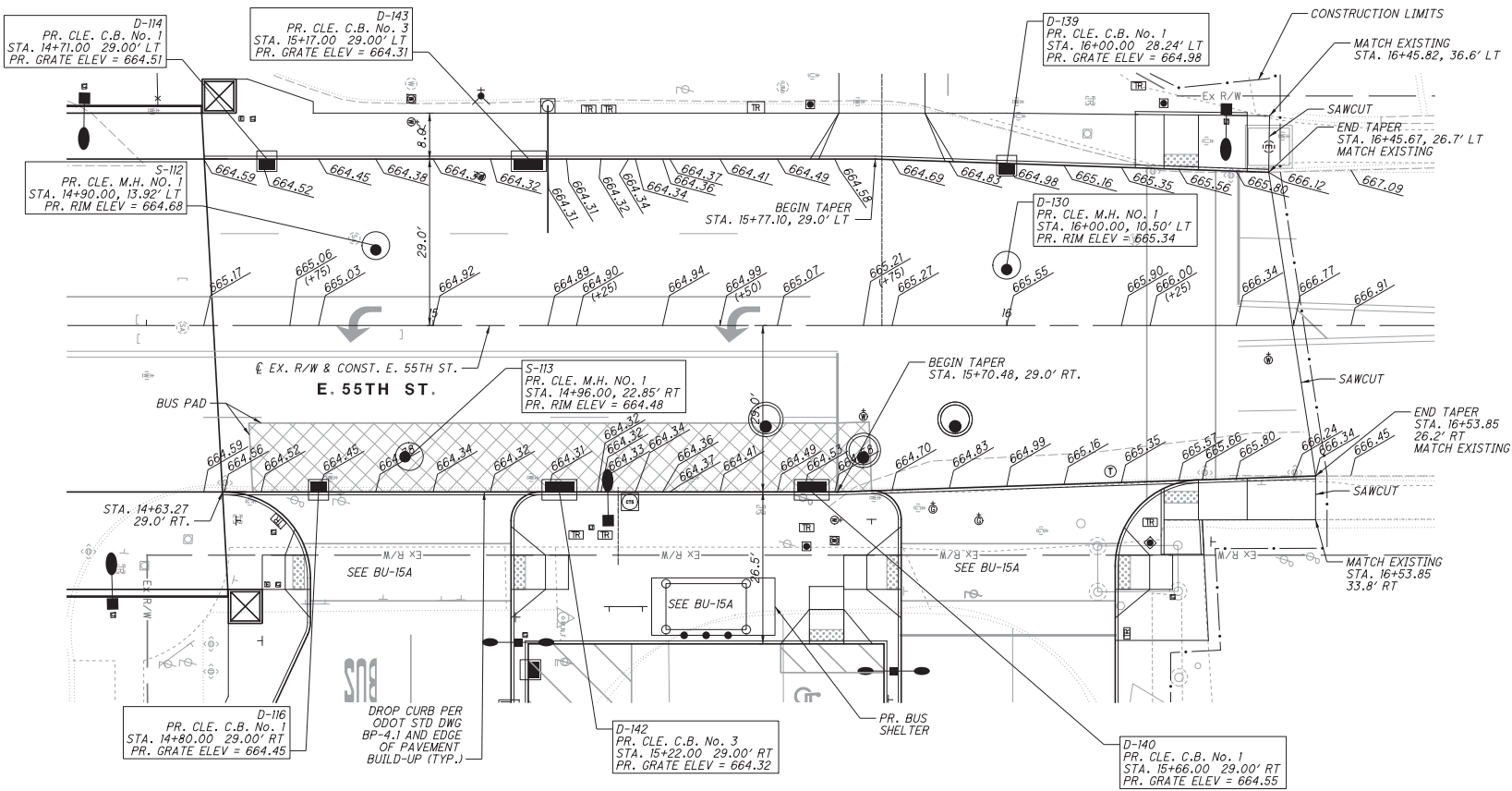
NOTES:
 FOR CONST. QUADRANT RD. PLAN AND PROFILE
 SEE SHEETS 53 AND 54
 FOR EX. R/W & CONST. E. 55TH ST. PLAN AND PROFILE
 SEE SHEETS 57 AND 58
 ALL DIMENSIONS ARE 10.0' INTERVALS
 UNLESS NOTED OTHERWISE

NO.	DATE	DESCRIPTION
0	2019-07-29	RFC <i>David & Robert</i>
ISSUE RECORD		



INTERSECTION DETAIL
 E. 55TH ST. & QUADRANT RD.

CUY-IR490/SR010-
 2.09 / 19.28



AMENDED FOR CONSTRUCTION
 RELEASED FOR CONSTRUCTION



INTERSECTION DETAIL
 E. 55TH ST. & GCRTA LOT

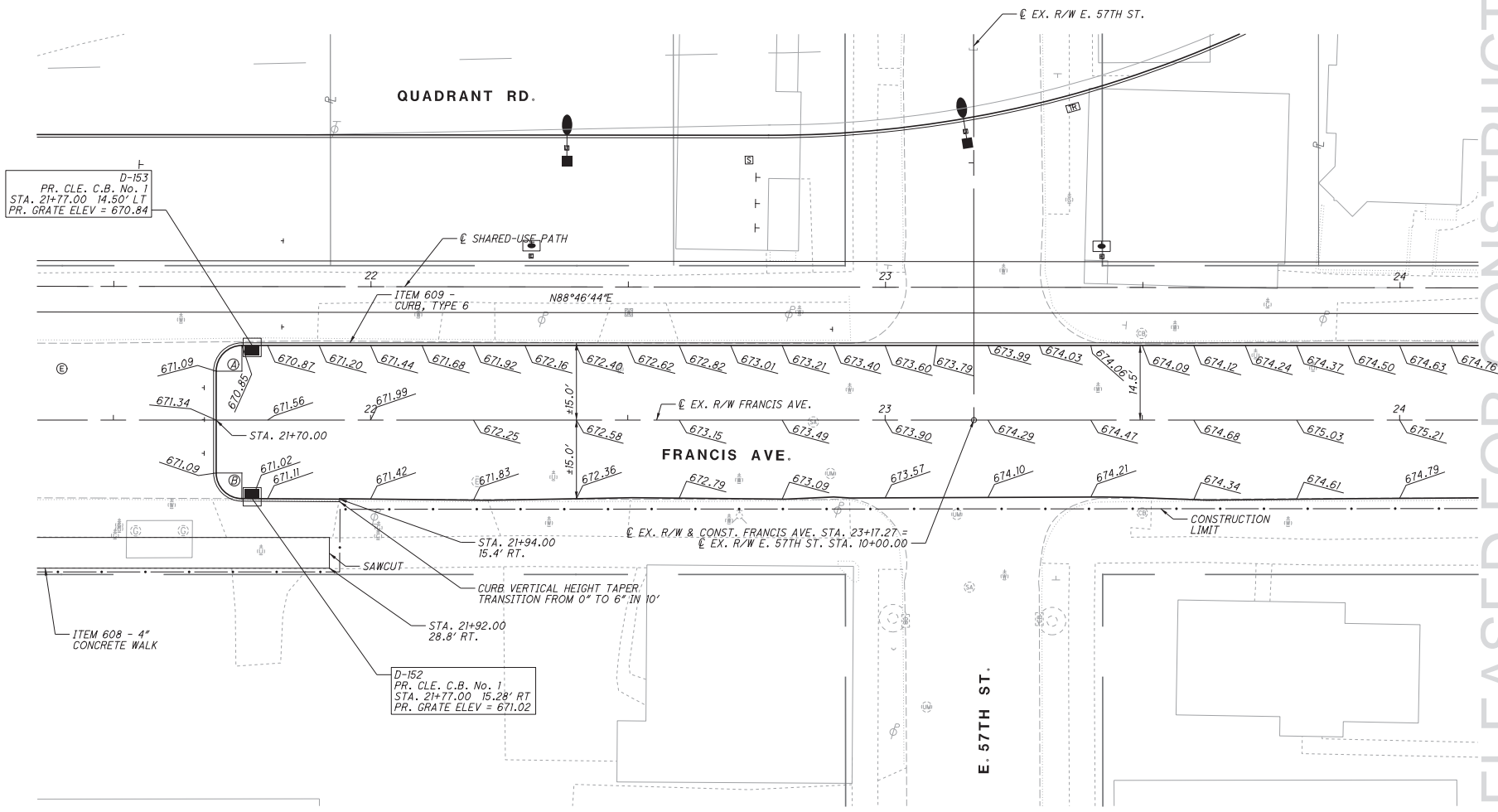
CUY-IR490/SR010-
 2.09 / 19.28

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 303

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
1	2020-05-20	DCO39 <i>David & Reinhardt</i>
0	2019-07-29	RFC
ISSUE RECORD		



D-153
 PR. CLE. C.B. No. 1
 STA. 21+77.00 14.50' LT
 PR. GRATE ELEV = 670.84

D-152
 PR. CLE. C.B. No. 1
 STA. 21+77.00 15.28' RT
 PR. GRATE ELEV = 671.02

CURVE DATA FOR RADIUS RETURNS

CURVE LETTER	RADIUS	INTERIOR ANGLE	LENGTH OF CURVE
A	5.00	90.00°	7.85
B	5.00	89.73°	7.83

ALL DISTANCES ARE MEASURED TO THE FACE OF CURB

- Ⓐ EX. R/W FRANCIS AVE. STA. 21+75.00, 9.50' LT
- Ⓑ EX. R/W FRANCIS AVE. STA. 21+75.00, 10.27' RT

NOTES:
 ALL DIMENSIONS ARE 10.0' INTERVALS UNLESS NOTED OTHERWISE

NO.	DATE	DESCRIPTION
0	2018-07-29	RFC <i>David X. Reinhart</i>
ISSUE RECORD		



INTERSECTION DETAIL
 FRANCIS AVE. & E. 57TH ST.

CUY-IR490/SR010-
 2.09 / 19.28

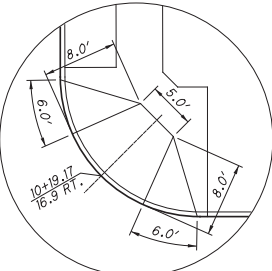
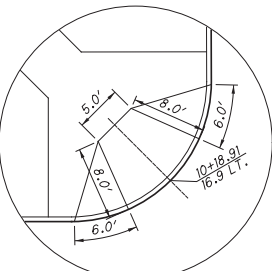
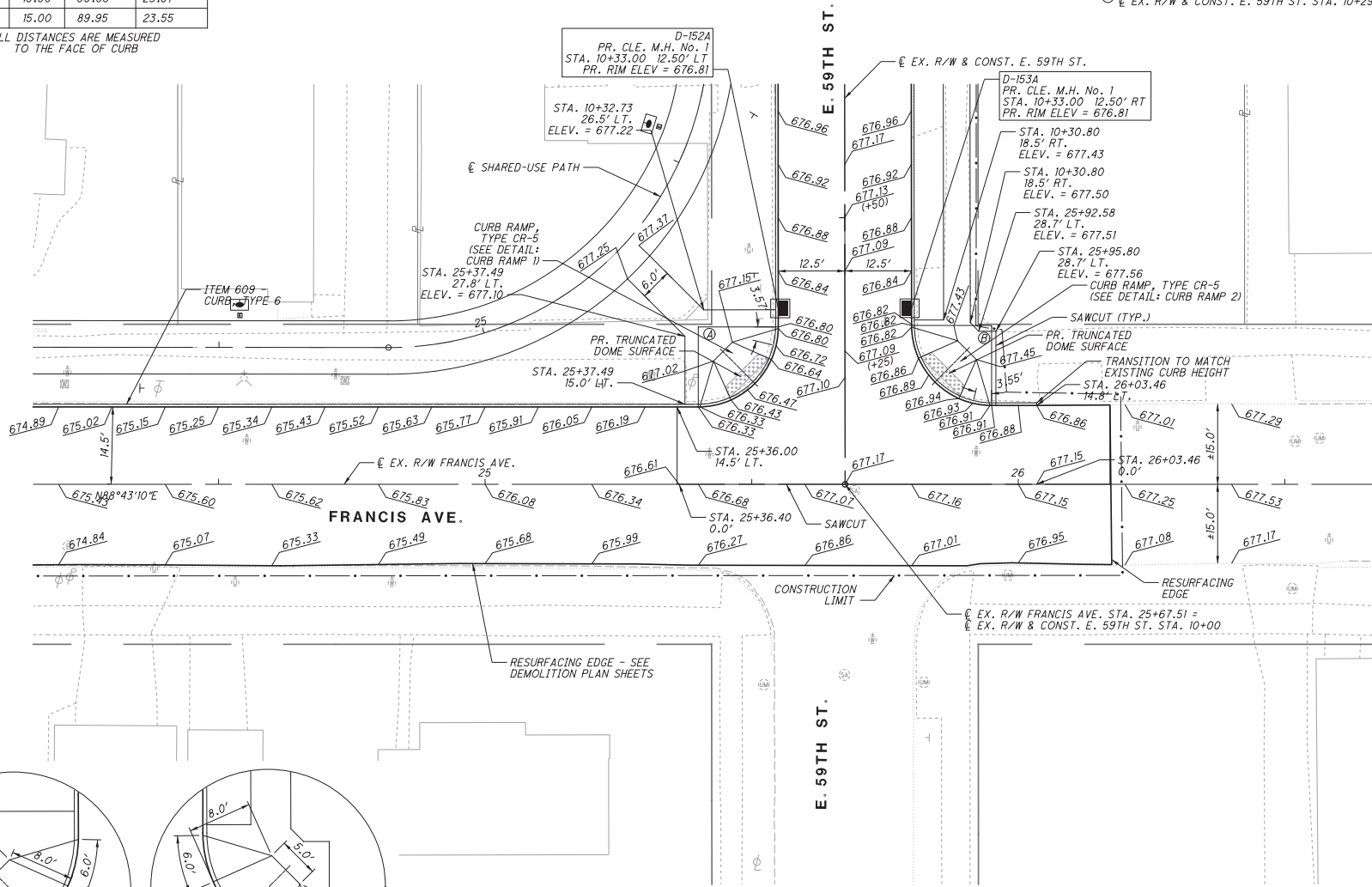
284
 303

RELEASED FOR CONSTRUCTION

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



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	RFC	DESCRIPTION
0	2018-07-29	RFC	David & Reinhold
ISSUE RECORD			



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

CUY-IR490/SR010-
 2.09 / 19.28

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RELEASED FOR CONSTRUCTION

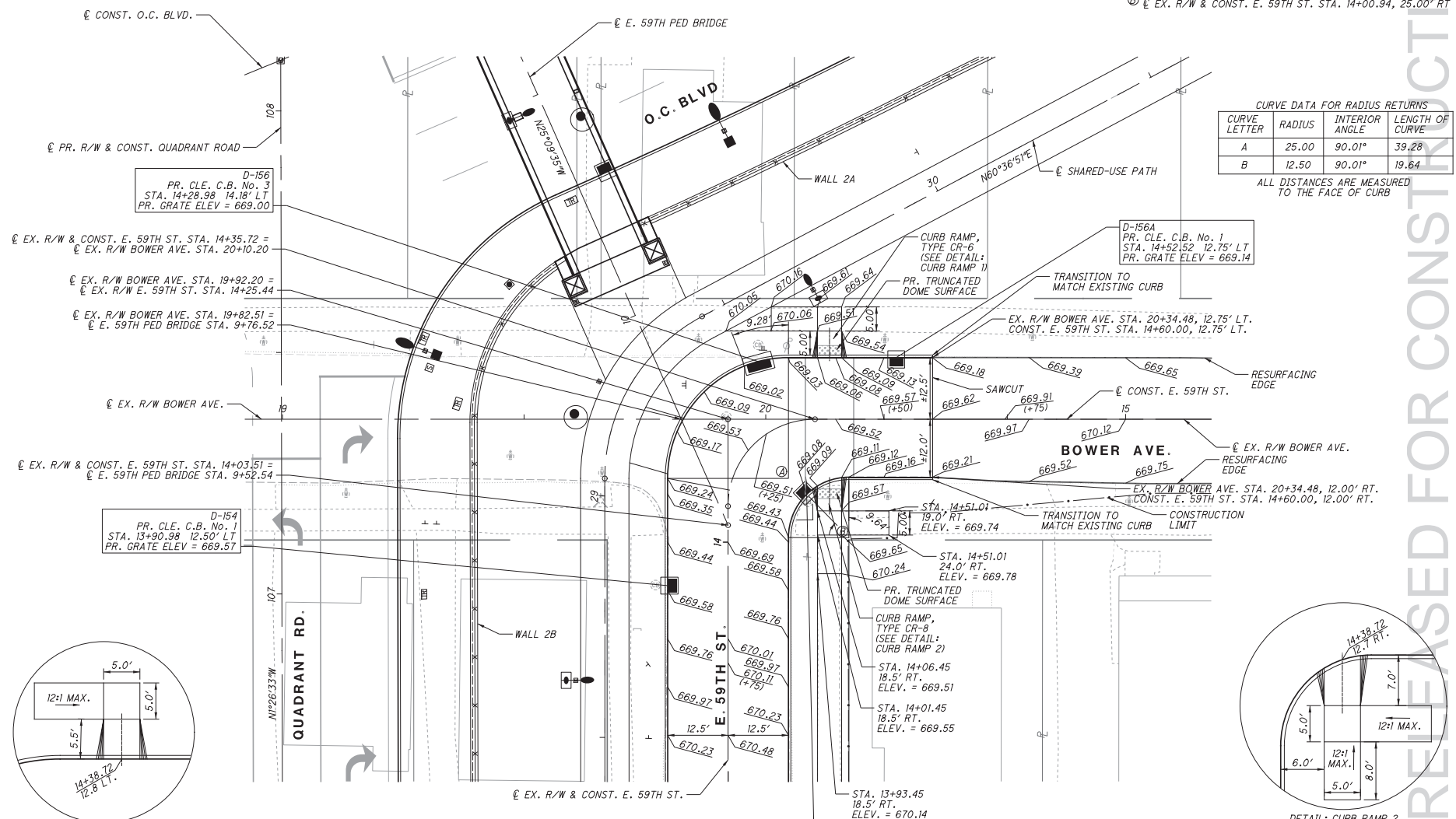
RELEASED FOR CONSTRUCTION
 INTERSECTION DETAIL
 BOWER AVE. & E. 59TH ST.
 CUY-IR490/SR010-
 2.09 / 19.28

- Ⓐ EX. R/W BOWER AVE. STA. 20+04.70, 12.25' RT
- Ⓑ EX. R/W & CONST. E. 59TH ST. STA. 14+13.19, 12.50' RT
- Ⓒ EX. R/W BOWER AVE. STA. 20+17.20, 24.50' RT
- Ⓓ EX. R/W & CONST. E. 59TH ST. STA. 14+00.94, 25.00' RT

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

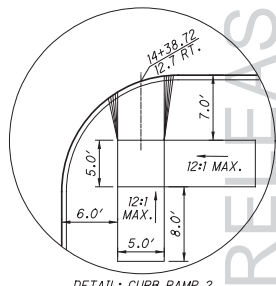
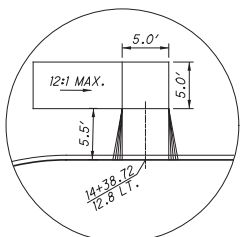


D-156
 PR. CLE. C.B. No. 3
 STA. 14+28.98 14.18' LT
 PR. GRATE ELEV = 669.00

D-156A
 PR. CLE. C.B. No. 1
 STA. 14+52.52 12.75' LT
 PR. GRATE ELEV = 669.14

D-154
 PR. CLE. C.B. No. 1
 STA. 13+90.98 12.50' LT
 PR. GRATE ELEV = 669.57

D-155
 PR. CLE. C.B. No. 1
 STA. 14+19.60 15.05' RT
 PR. GRATE ELEV = 669.08



- 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
0	2019-01-29	RFC <i>David X. P...ent</i>
ISSUE RECORD		



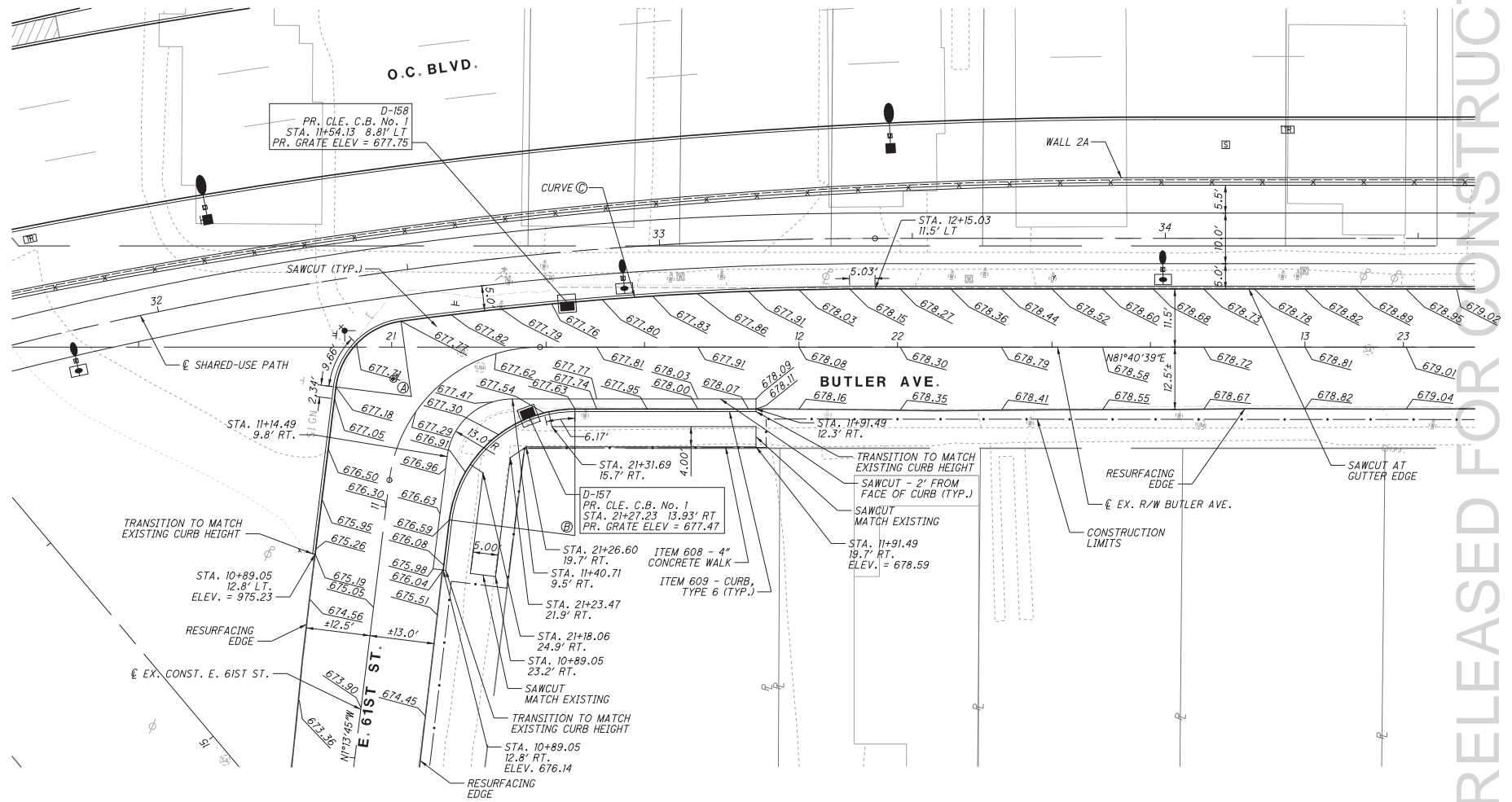
CURVE E. 61ST 1
 P.I. STA. 11+31.89
 $\Delta = 89^{\circ}54'24''$
 $D_c = 190^{\circ}59'09''$
 $R = 30.00'$
 $T = 26.50'$
 $L = 43.41'$
 $E = 10.03'$

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

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



RELEASED FOR CONSTRUCTION



CALCULATED
 CC
 CHECKED
 LJS
 HORIZONTAL SCALE: 1" = 20'
 SCALE: IN FEET

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

CUY-IR490/SR010-
 2.09 / 19.28

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NOTES:

- 1. ALL DIMENSIONS ARE 10.0' INTERVALS UNLESS NOTED OTHERWISE

NO.	DATE	DESCRIPTION
0	2018-07-29	RFC <i>David & Richard</i>
		ISSUE RECORD

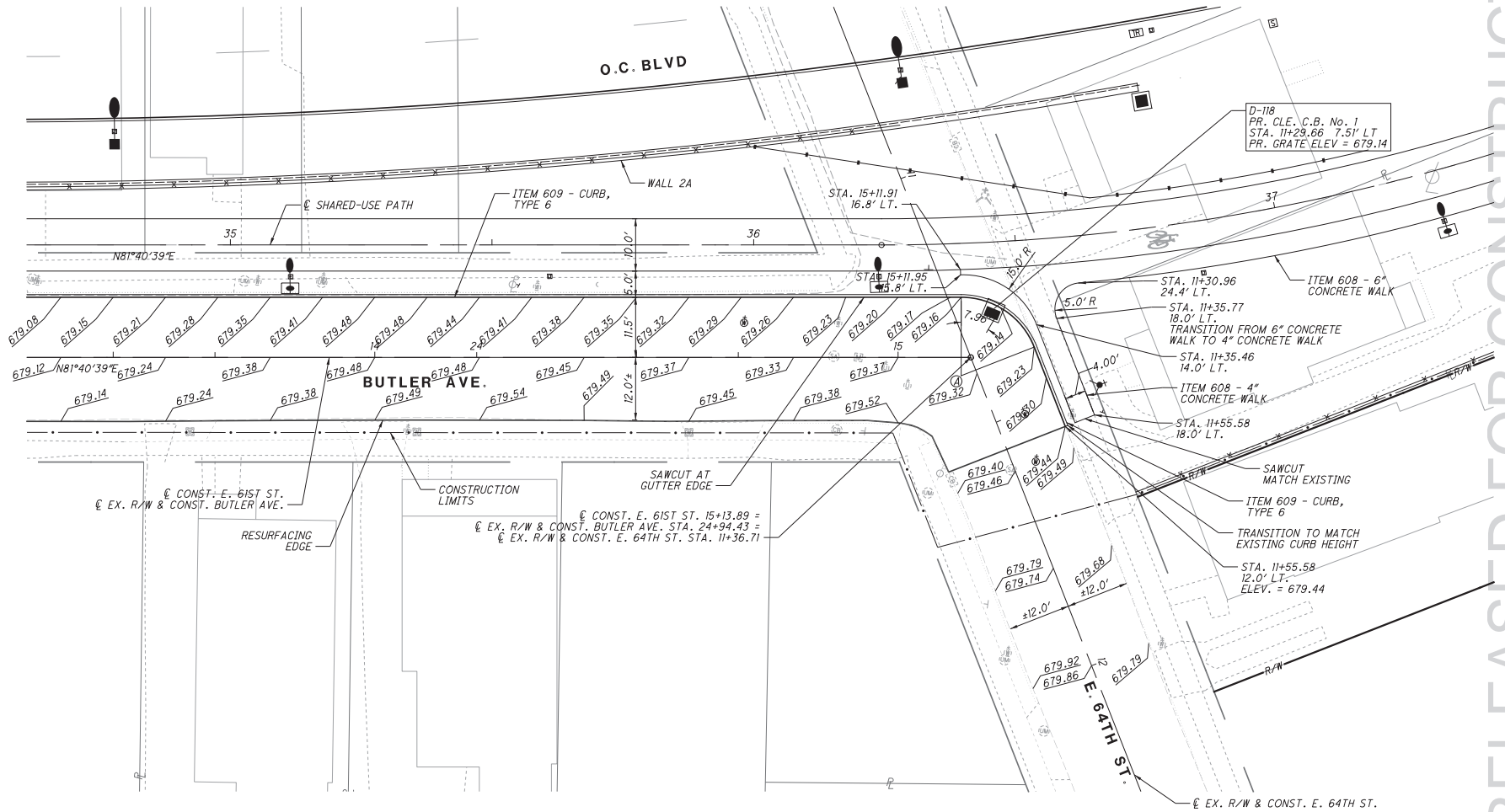
- ① CONST. E. 61ST ST. STA. 15+12.04, 3.50' RT
- ② EX. R/W & CONST. BUTLER AVE. STA. 24+92.58, 3.50' RT
- ③ EX. R/W & CONST. E. 64TH ST. STA. 11+39.29, 3.00' RT

CURVE DATA FOR RADIUS RETURNS

CURVE LETTER	RADIUS	INTERIOR ANGLE	LENGTH OF CURVE
A	15.00	68.61°	17.96

ALL DISTANCES ARE MEASURED TO THE FACE OF CURB

0 20
 HORIZONTAL SCALE IN FEET
 CALCULATED CC CHECKED LJS



D-118
 PR. CLE. C.B. No. 1
 STA. 11+29.66 7.51' LT
 PR. GRATE ELEV = 679.14

STA. 11+30.96
 24.4' LT.
 STA. 11+35.77
 18.0' LT.
 TRANSITION FROM 6" CONCRETE WALK TO 4" CONCRETE WALK
 STA. 11+35.46
 14.0' LT.
 ITEM 608 - 4" CONCRETE WALK
 STA. 11+55.58
 18.0' LT.

CONST. E. 61ST ST. STA. 15+13.89 =
 EX. R/W & CONST. BUTLER AVE. STA. 24+94.43 =
 EX. R/W & CONST. E. 64TH ST. STA. 11+36.71

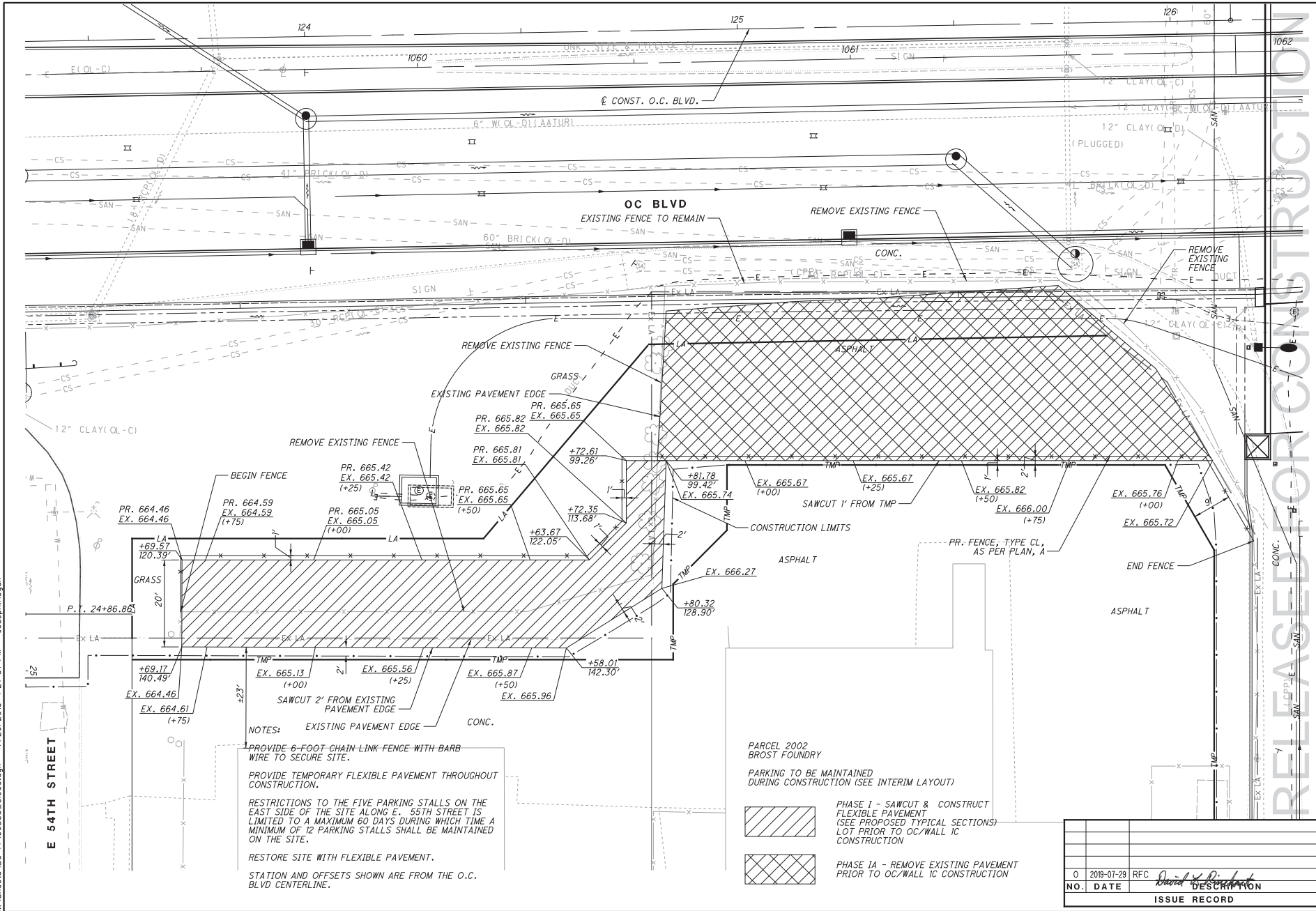
NOTES:
 1. ALL DIMENSIONS ARE 10.0' INTERVALS UNLESS NOTED OTHERWISE

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

INTERSECTION DETAIL
 BUTLER AVE. & E. 64TH ST.

CUY-IR490/SR010-
 2.09 / 19.28

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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. 54TH 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 IA - REMOVE EXISTING PAVEMENT PRIOR TO OC/WALL IC CONSTRUCTION

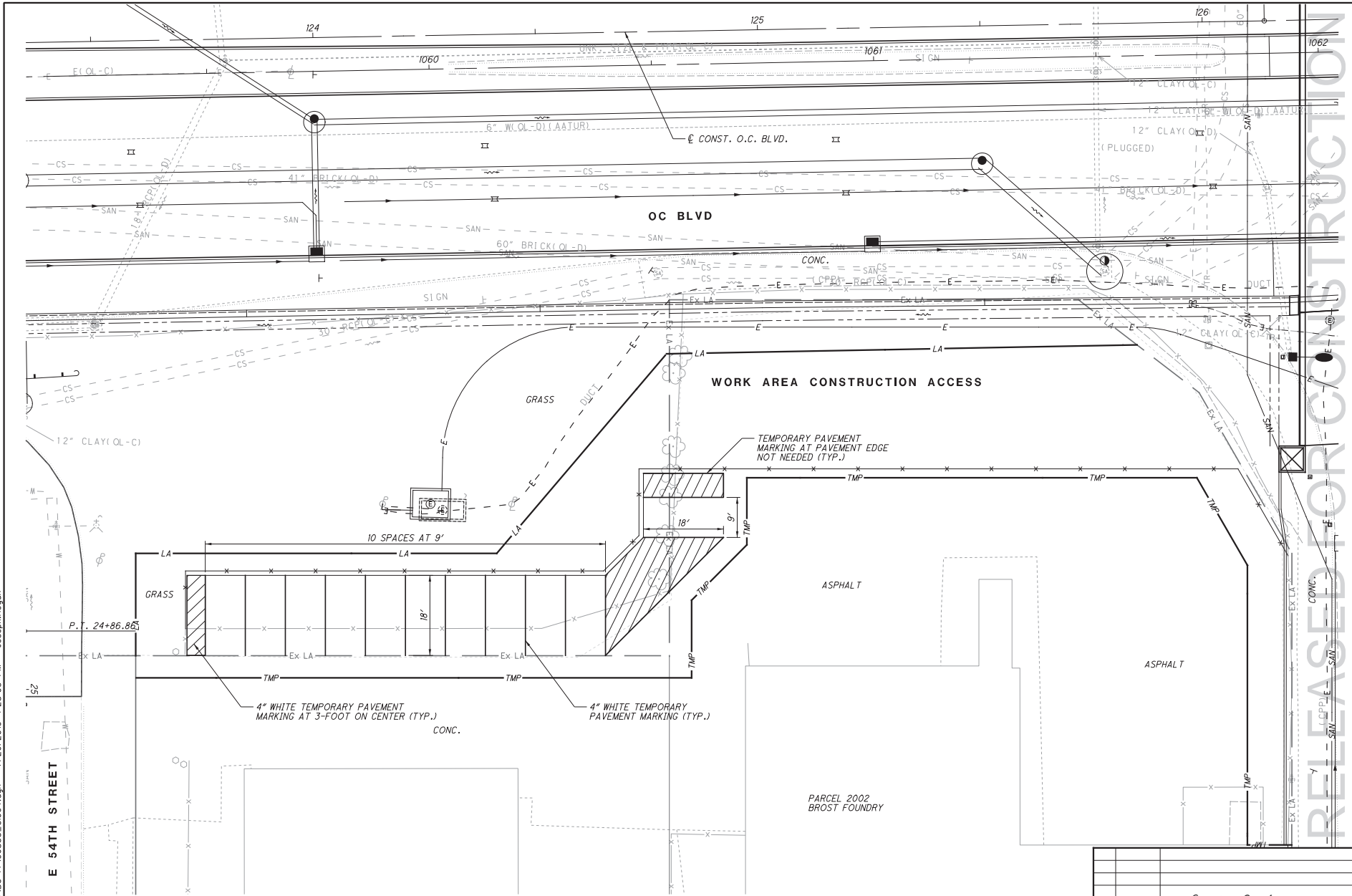
NO.	DATE	DESCRIPTION
0	2019-01-29	RFC
		David J. Rogan
		DESCRIPTION

ISSUE RECORD



CALCULATED: JRL
 CHECKED: JTH
 SEQUENCE OF CONSTRUCTION
 BROST FOUNDRY - TEMPORARY LOT

CUY-IR490/SR010-
 2.09 / 19.28



CALCULATED JRL
 CHECKED JTH

HORIZONTAL SCALE IN FEET
 0 10 20

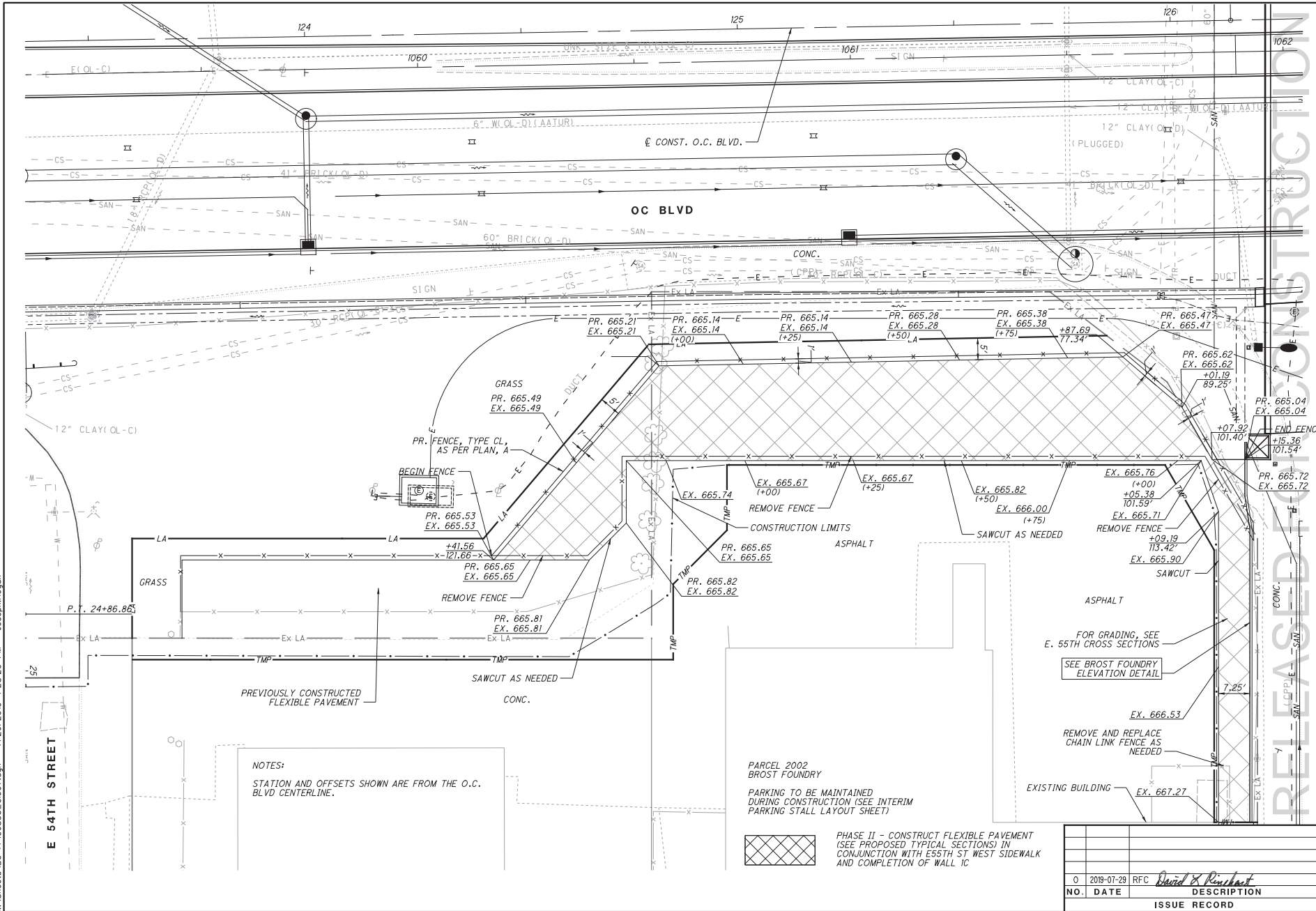
RELEASED FOR CONSTRUCTION

PARKING LOT DETAIL
 BROST FOUNDRY - TEMPORARY

CUY-IR490/SR010-
 2.09 / 19.28

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NO.	DATE	DESCRIPTION
0	2018-07-29	RFC <i>David X. Reinhardt</i>
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

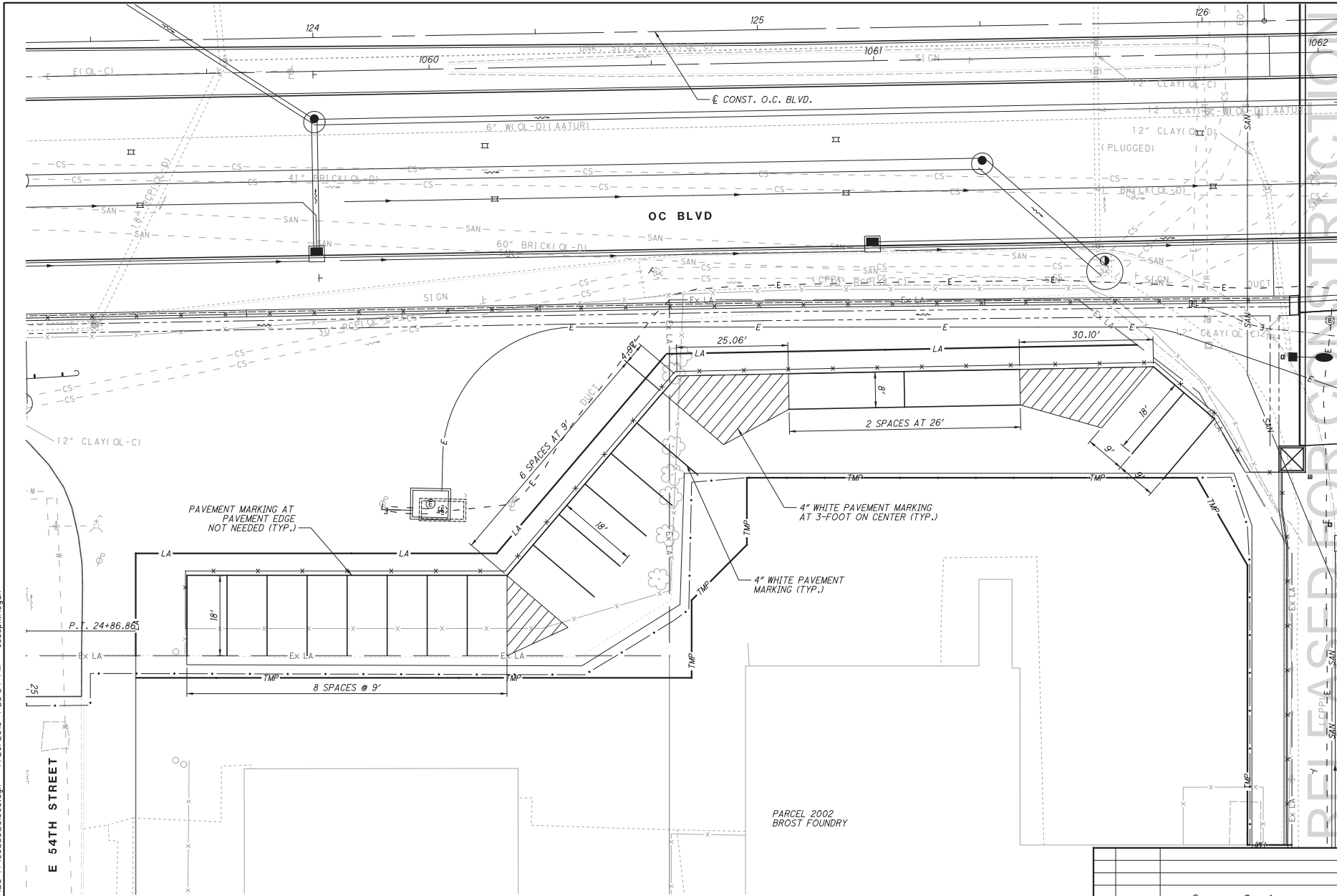
NO.	DATE	DESCRIPTION
0	2019-07-29	RFC <i>David & Richard</i>
ISSUE RECORD		



CALCULATED: JRL
 CHECKED: JTH
 SEQUENCE OF CONSTRUCTION
 BROST FOUNDRY - TEMPORARY LOT

CUY-IR490/SR010-
 2.09 / 19.28

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RELEASED FOR CONSTRUCTION



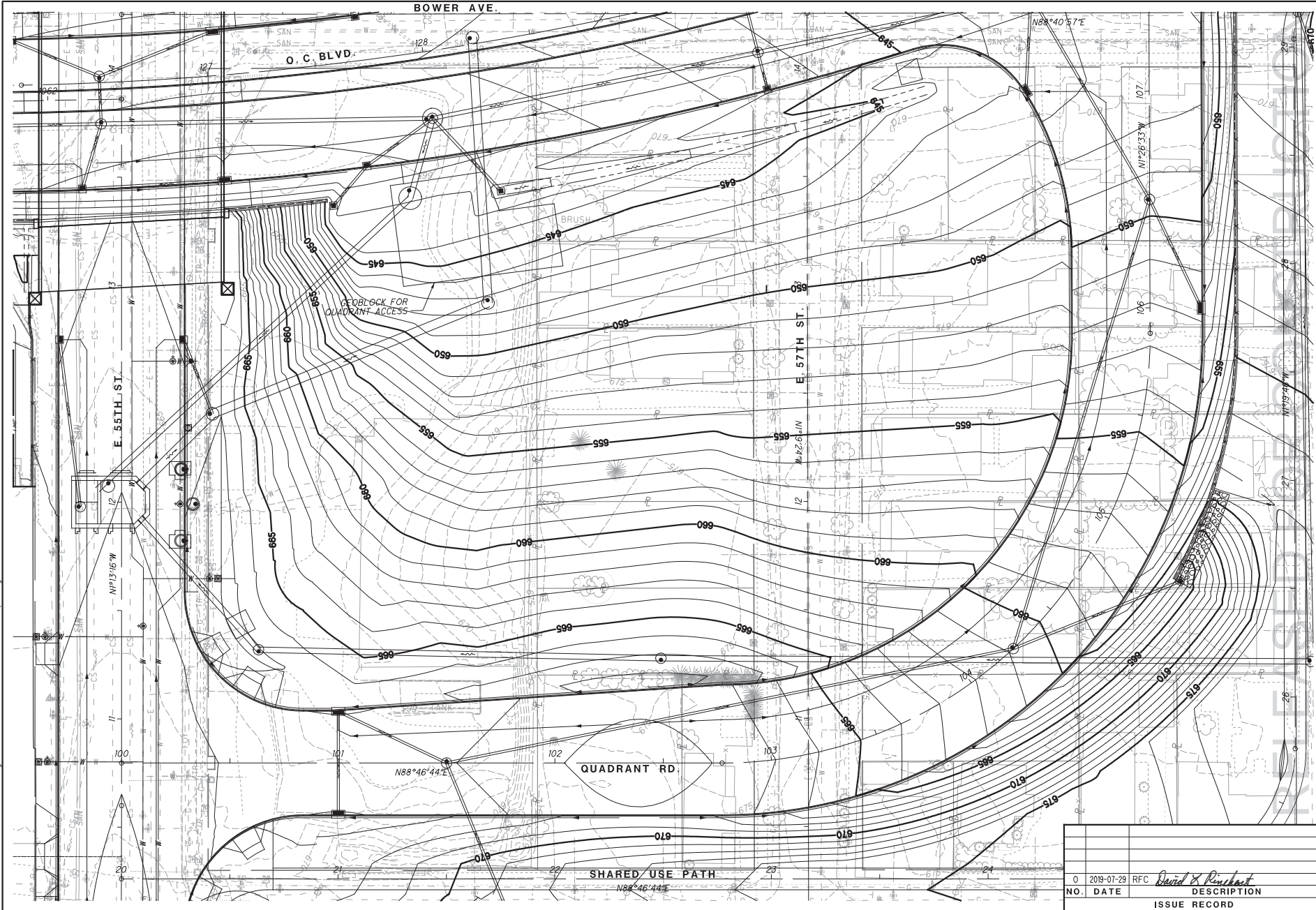
CALCULATED
 JRL
 CHECKED
 JTH
 HORIZONTAL
 SCALE IN FEET

**PARKING LOT DETAIL
 BROST FOUNDRY - FINAL**

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

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NO.	DATE	DESCRIPTION
0	2019-07-29	RFC <i>David X. Reinhardt</i>
ISSUE RECORD		



CALCULATED
 CC
 CHECKED
 JTH

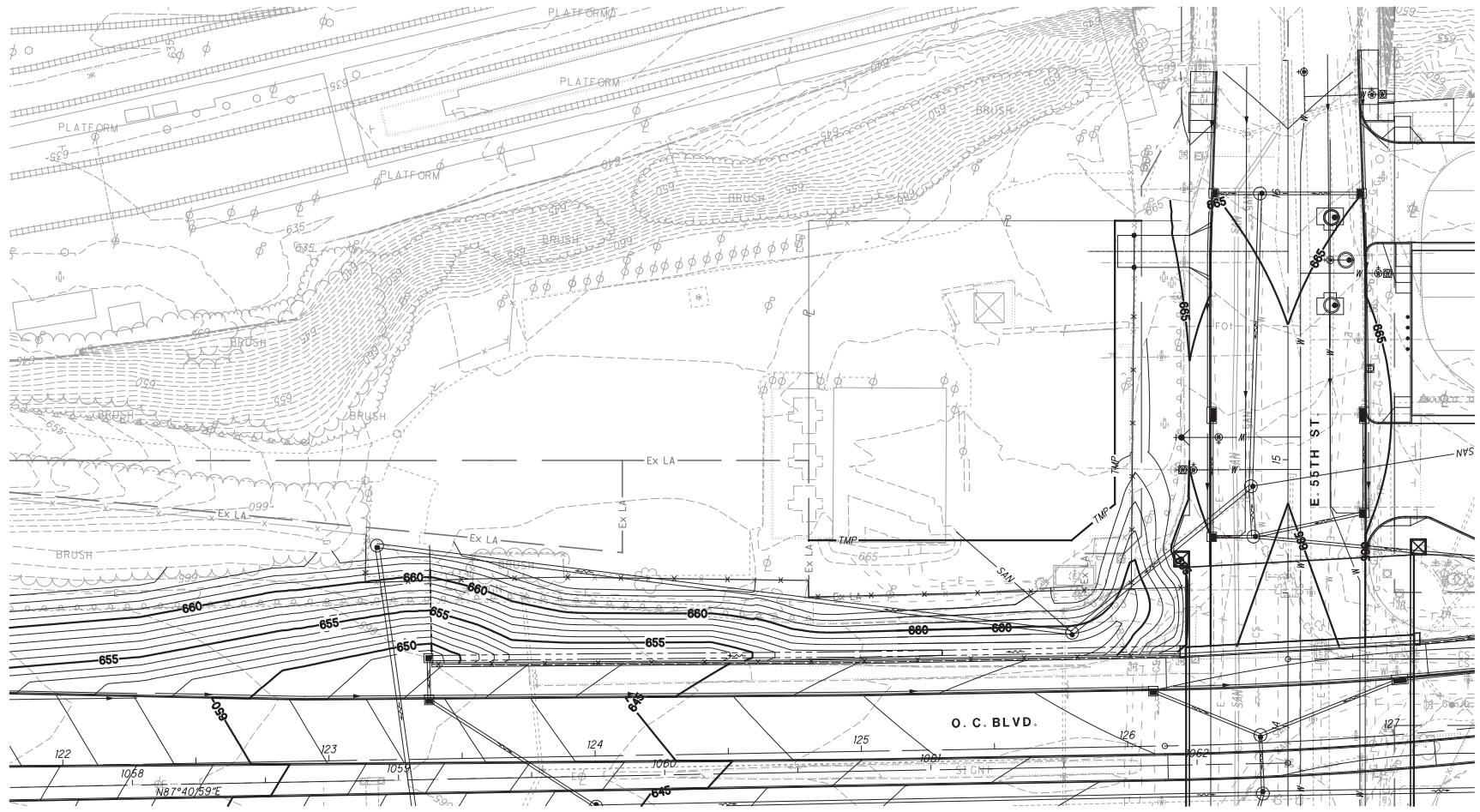
HORIZONTAL
 SCALE IN FEET

0 20 40

GRADING PLAN
 QUADRANT INFIELD

CUY-IR490/SR010-
 2.09 / 19.28

NO.	DATE	DESCRIPTION
0	2019-07-29	RFC <i>David X. Reinhart</i>
ISSUE RECORD		



RELEASED FOR CONSTRUCTION



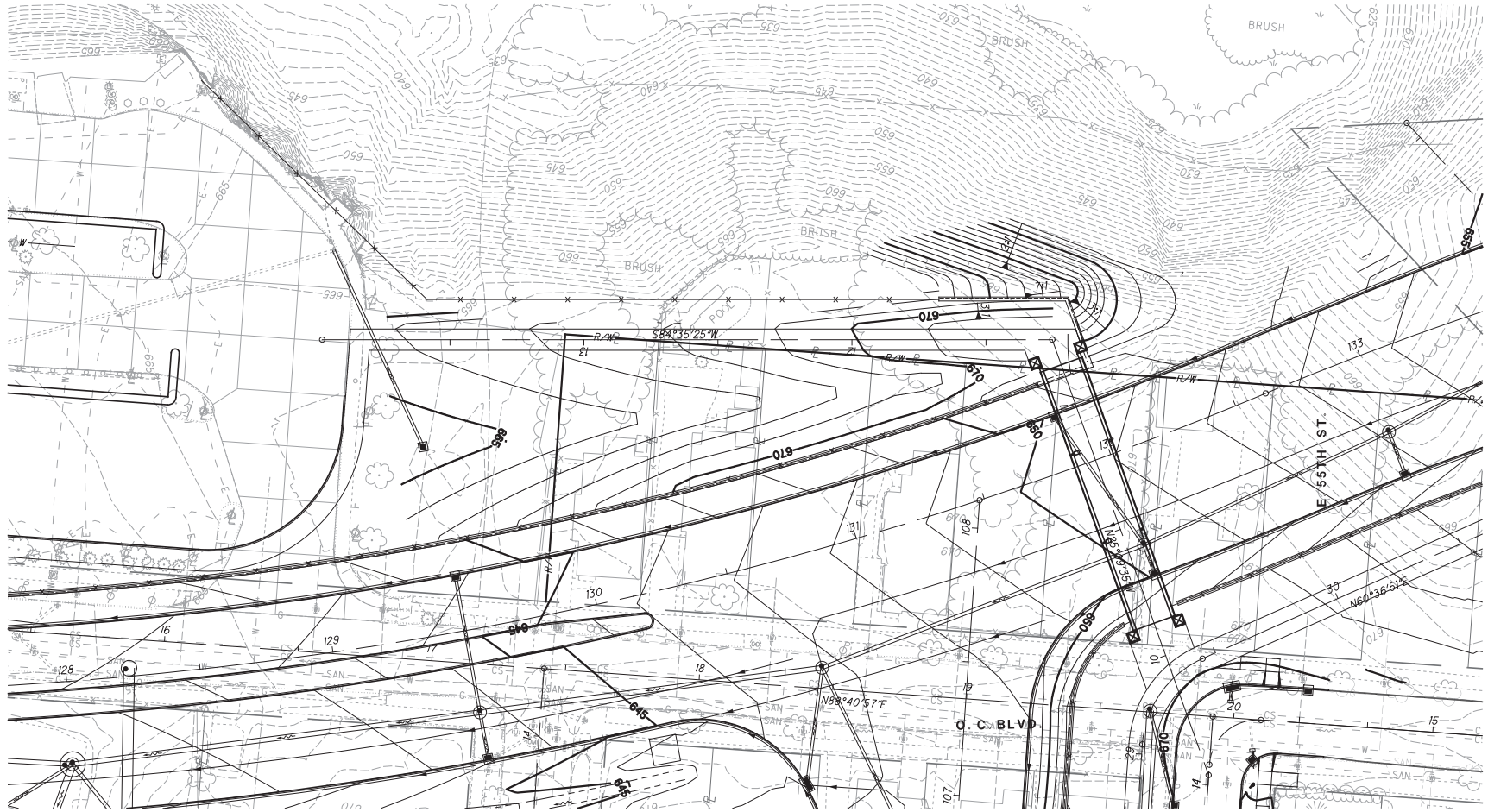
CALCULATED
 M.M.
 CHECKED
 J.T.H.
 HORIZONTAL
 SCALE IN FEET
 0 20 40

GRADING PLAN
 WALL 1A

CUY-IR490/SR010-
 2.09 / 19.28

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NO.	DATE	DESCRIPTION
0	2018-07-29	RFC <i>David X. Reinhardt</i>
ISSUE RECORD		



NO.	DATE	DESCRIPTION
0	2019-07-29	RFC <i>David X. Reinhardt</i>
ISSUE RECORD		



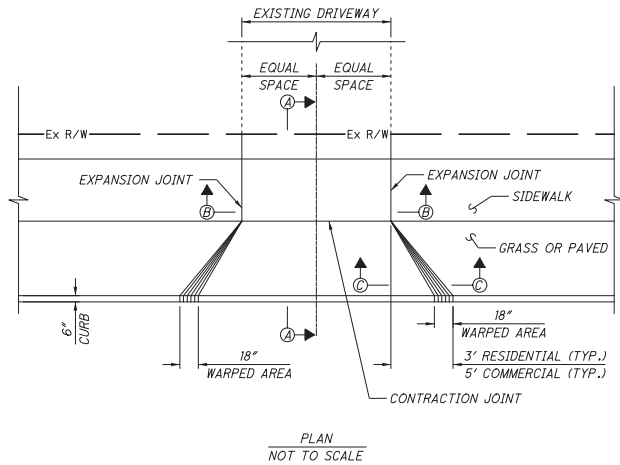
CALCULATED CMC
 CHECKED JTH

GRADING PLAN
 WALL 1B / WALL 1E / E. 59TH ST. PATH

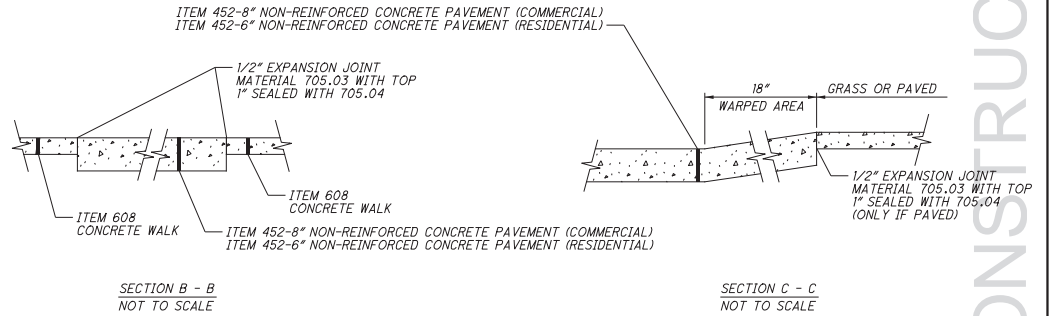
CUY-IR490/SR010-
 2.09 / 19.28

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RELEASED FOR CONSTRUCTION

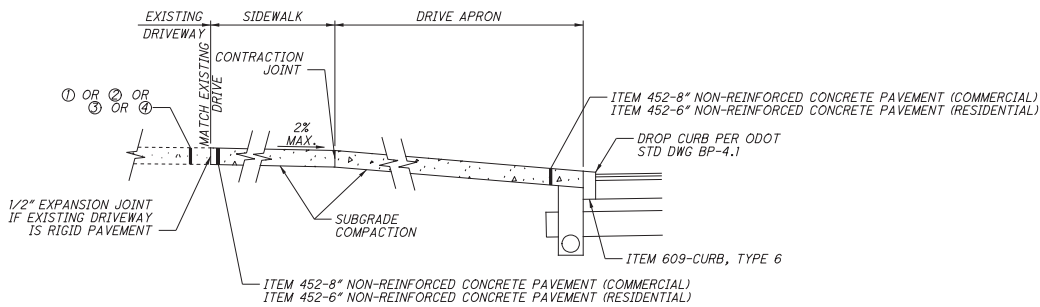


PLAN
NOT TO SCALE



SECTION B - B
NOT TO SCALE

SECTION C - C
NOT TO SCALE



SECTION A - A
NOT TO SCALE

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

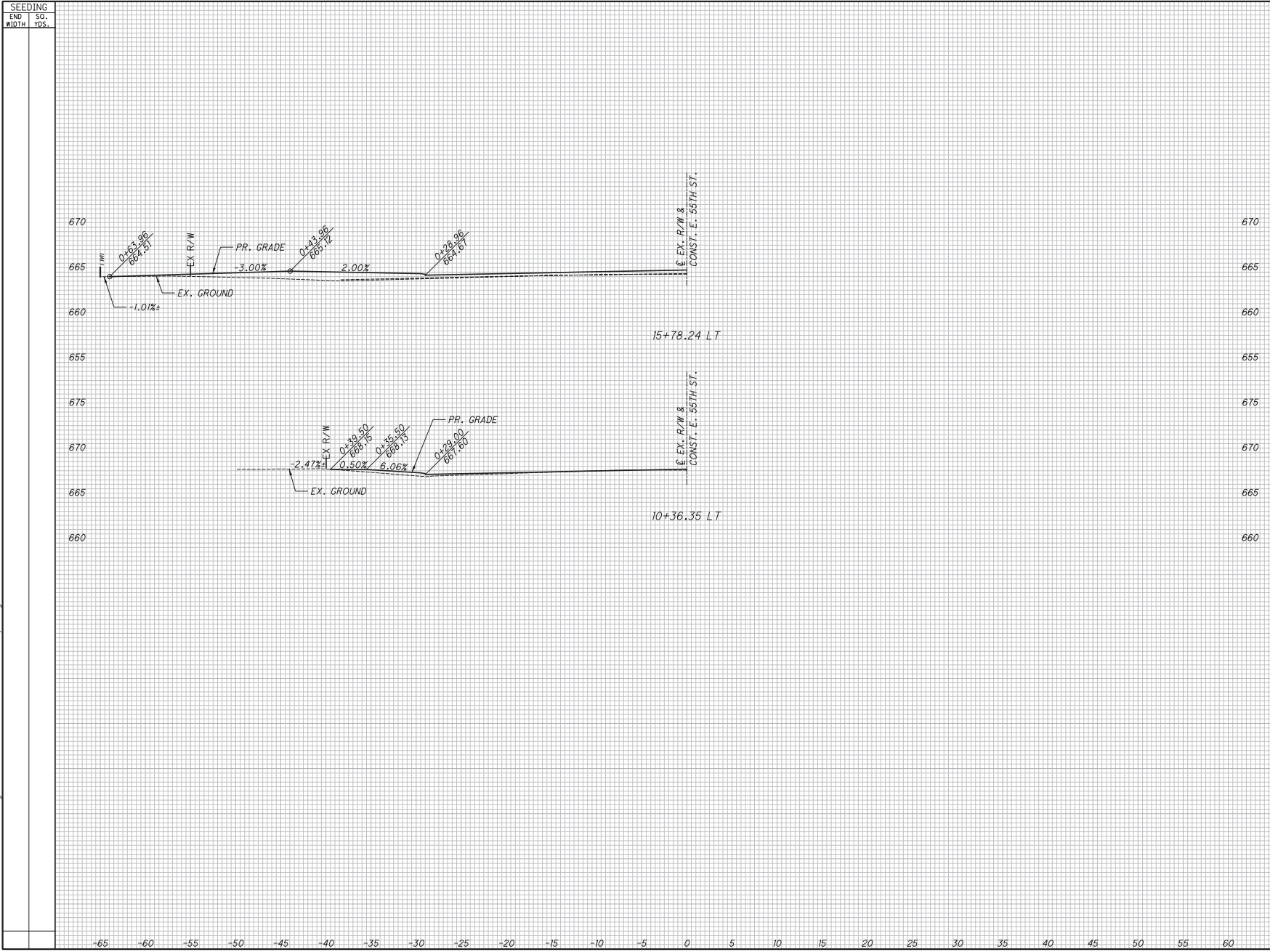
- ③ ITEM 441 - 1-1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG 64-22 (DRIVEWAYS)
- ITEM 407 - NON-TRACKING TACK COAT
- ITEM 301 - 3-1/2" ASPHALT CONCRETE BASE, PG64-22
- ④ ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC1

NOTES:

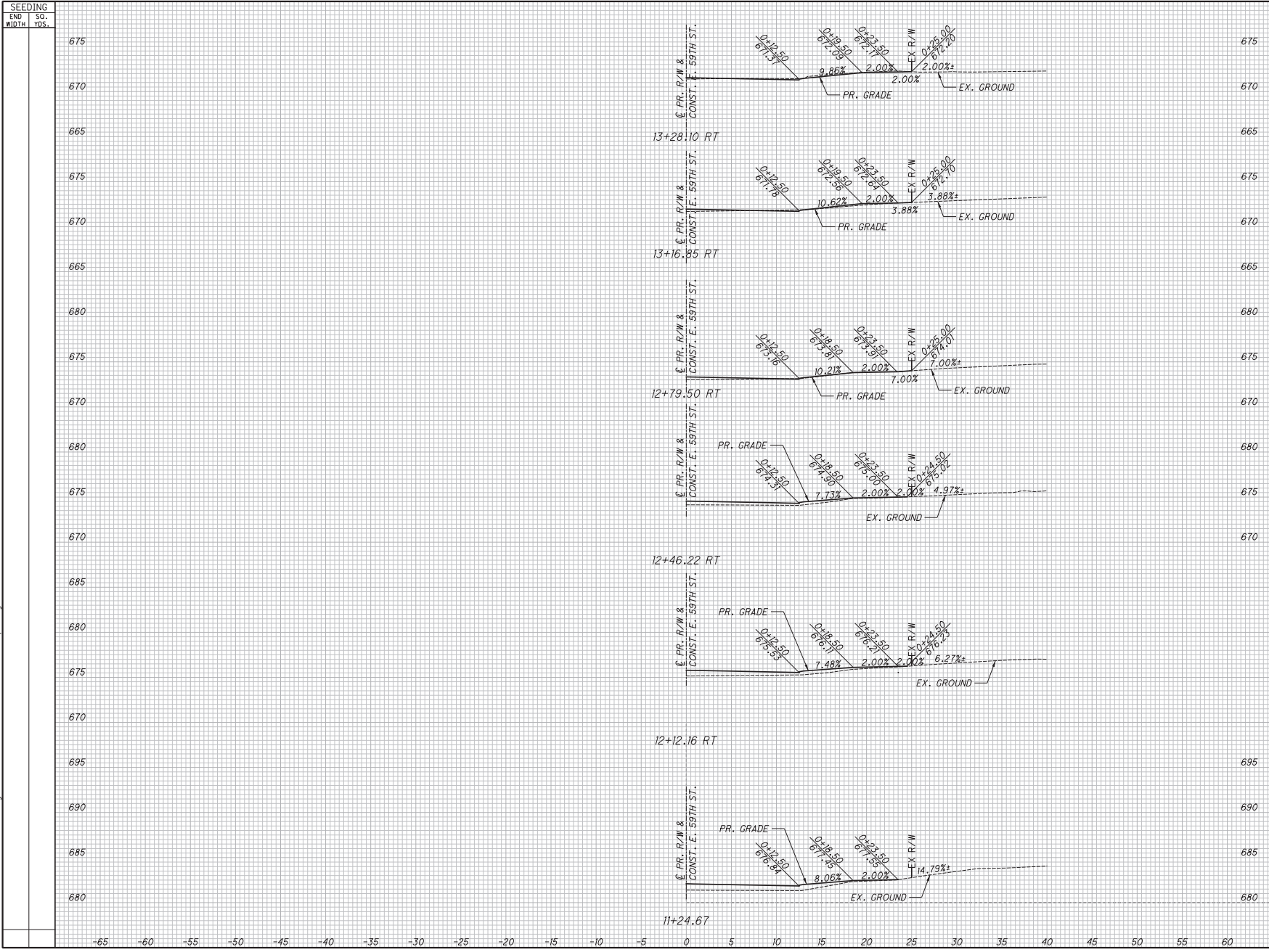
DRIVEWAY PAVEMENT TYPE SHALL MATCH THAT OF EXISTING ABUTTING DRIVEWAY

ALL DRIVE APRONS, INCLUDING SIDEWALK CROSSINGS, SHALL BE CONCRETE

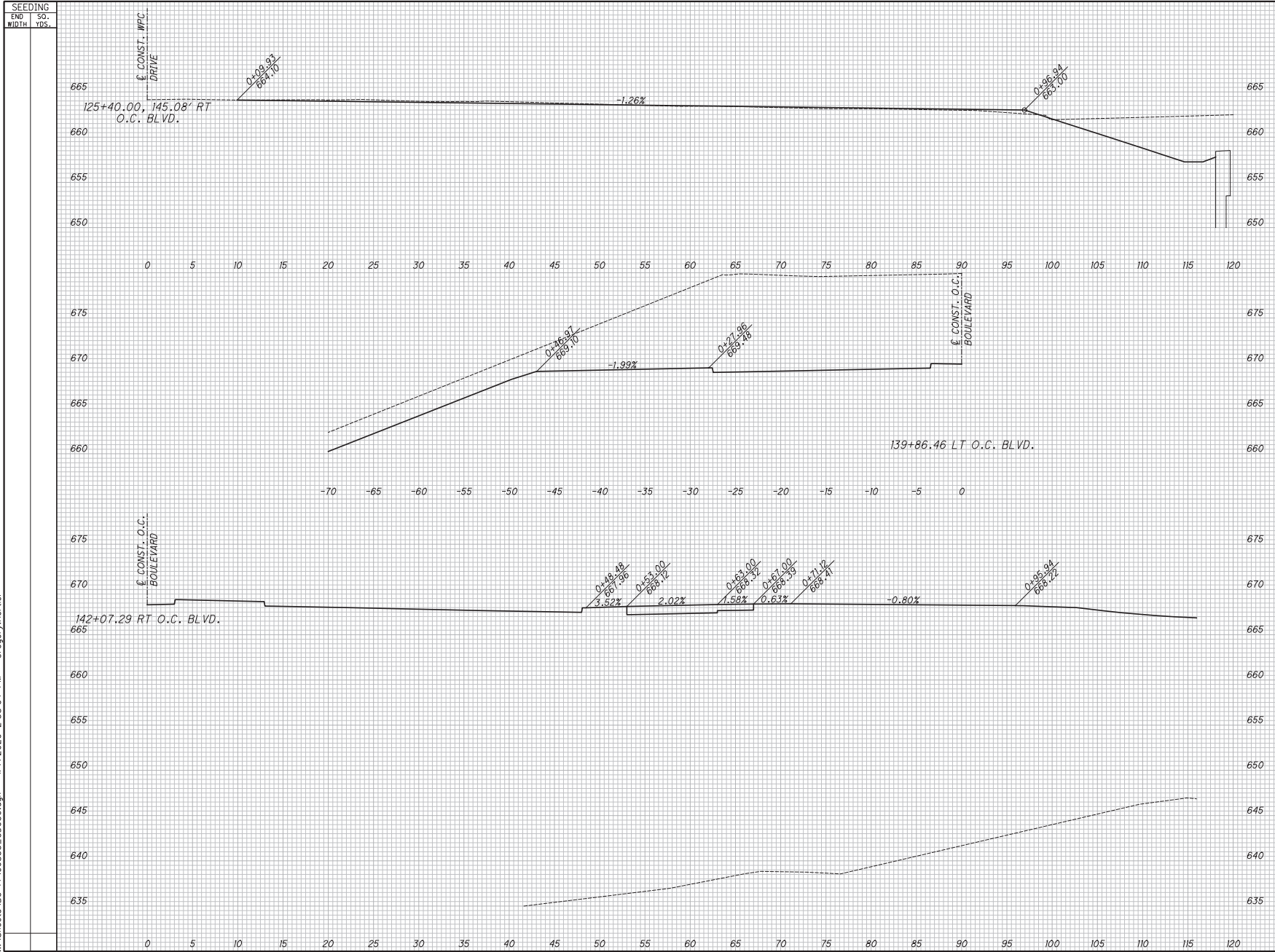
NO.	DATE	DESCRIPTION
0	2018-07-29	RFC <i>David X. Reinhart</i>
ISSUE RECORD		



NO.	DATE	DESCRIPTION	END AREA		VOLUME		CALCULATED CEW	CHECKED PDO
			CUT	FILL	CUT	FILL		
0	2019-07-29	ISSUE RECORD						
CUY-IR490 / SR010- 2.09 / 19.28			RELEASED FOR CONSTRUCTION DRIVEWAY PROFILES E. 55TH ST.					



NO.	DATE	DESCRIPTION	ISSUE RECORD		CALCULATED CEW	CHECKED PDO
			CUT	FILL		
0	2019-07-29	RFI <i>David R. Penhach</i>				
<p>RELEASED</p> <p>FOR CONSTRUCTION</p> <p>DRIVEWAY PROFILES</p> <p>E. 59TH ST.</p>						
<p>CUY-IR490 / SR010- 2.09 / 19.28</p>						
<p>298 303</p>						



NO.	DATE	DESCRIPTION	ISSUE RECORD		CALCULATED GSH	CHECKED SM
			CUT	FILL		
0	2020-01-08	DC028 David X Penick				

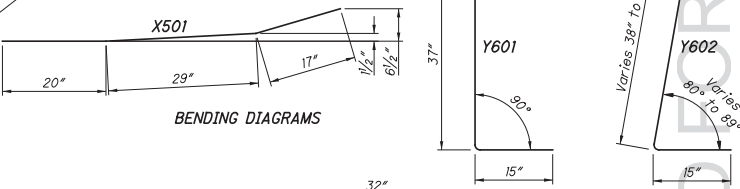
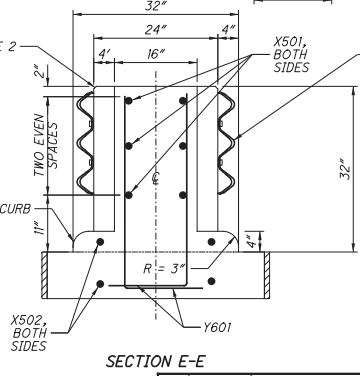
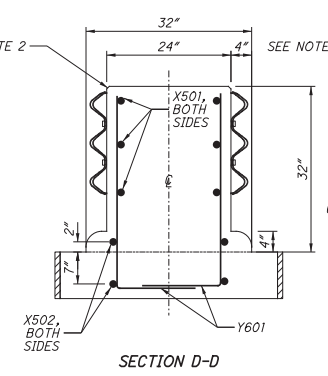
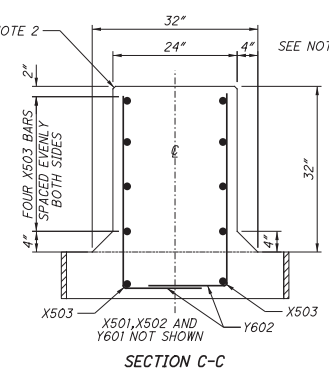
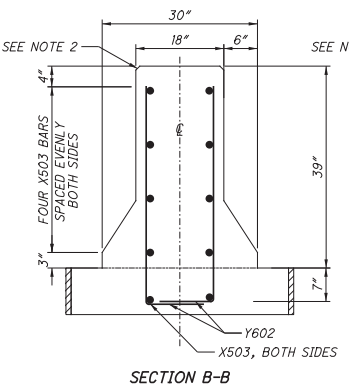
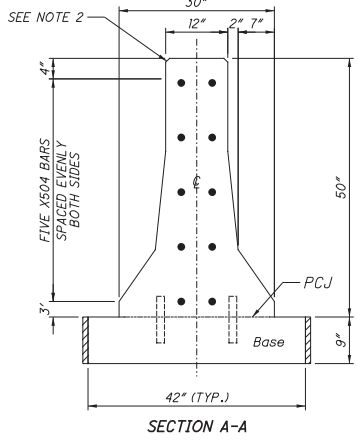
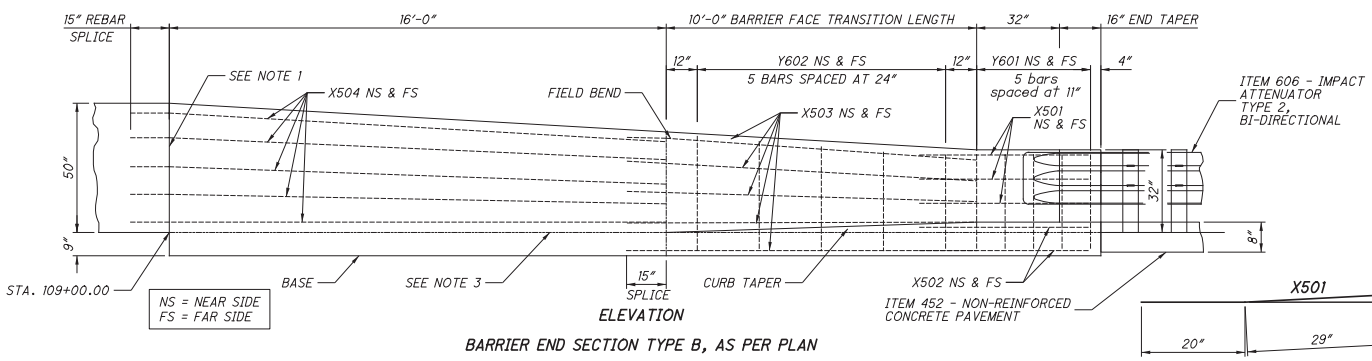
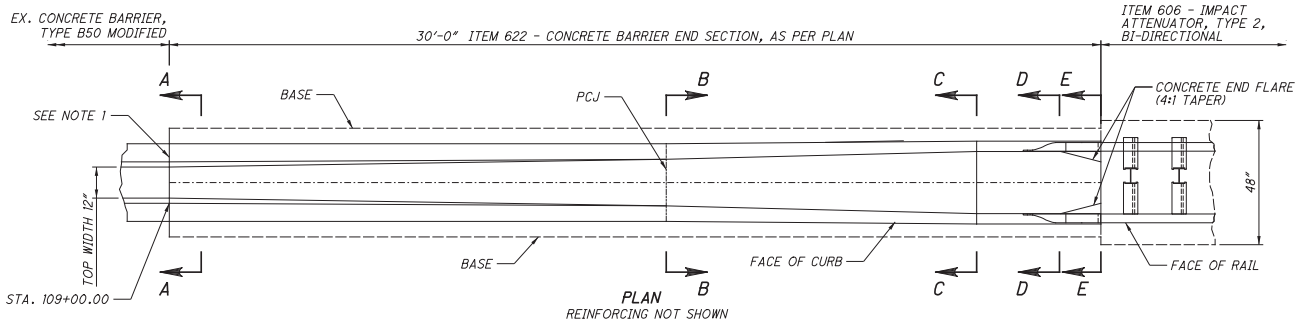
END AREA	VOLUME
CUT	CUT
FILL	FILL

RELEASED

FOR CONSTRUCTION

GEOBLOCK DRIVEWAY PROFILES
O.C. BLVD. & GCRTA PROPERTY

<div style="border: 1px solid black; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> 298A 303 </div>	CUY-IR490 / SR010- 2.09 / 19.28
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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.

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"

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

CALCULATED
 P.D.O.
 CHECKED
 L.J.S.

ROADWAY DETAIL
 BARRIER TRANSITION

CUY-IR490/SR010-
 2.09 / 19.28

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NOTES:
 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.

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

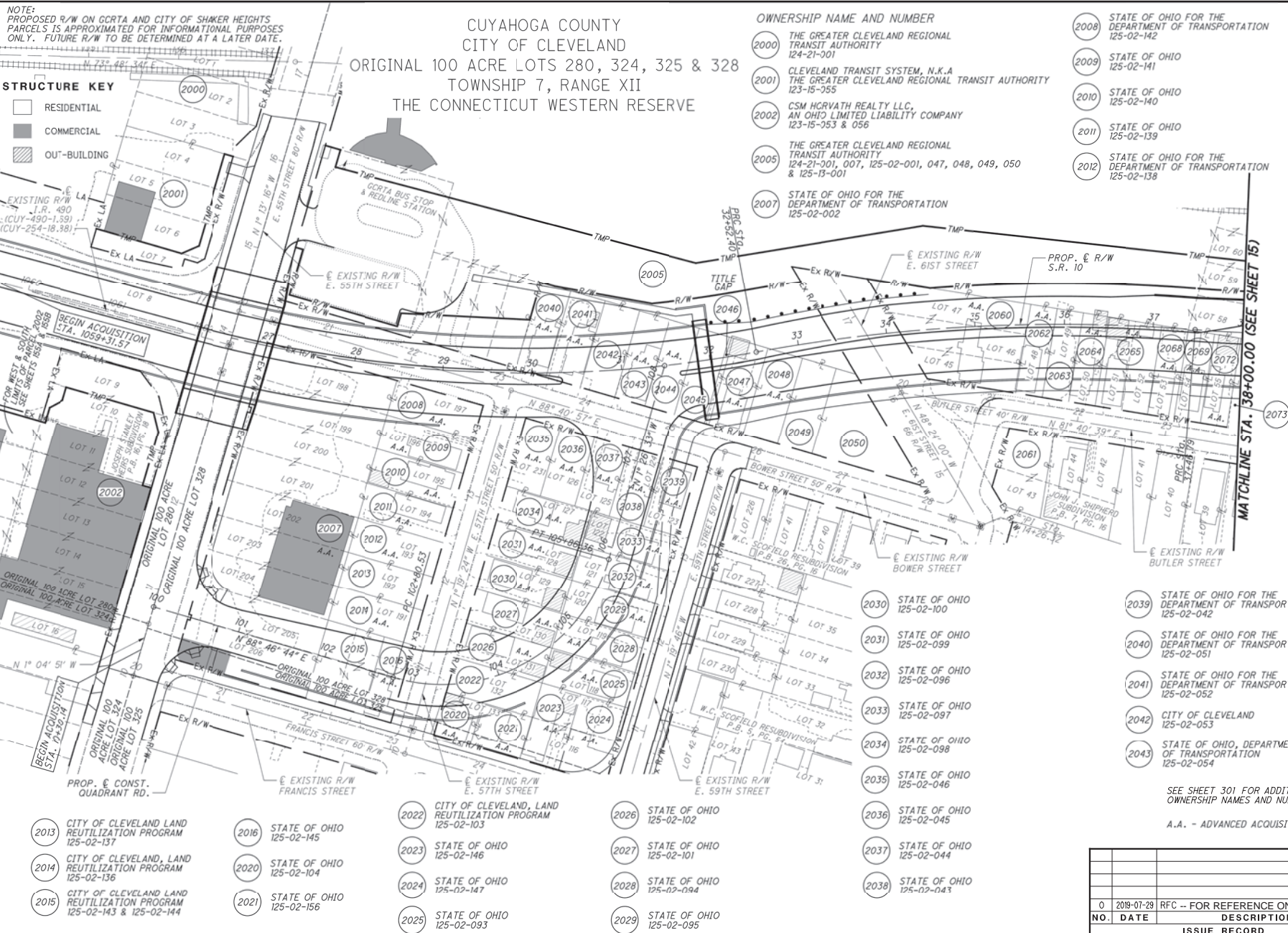
OWNERSHIP NAME AND NUMBER

- 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 HCRVATH 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

STRUCTURE KEY

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING



- 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	2018-01-29	RFC - FOR REFERENCE ONLY
		ISSUE RECORD



PROPERTY MAP

CUY-IR490/SR010-
 2.09 / 19.28

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REFERENCE INFORMATION

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

REFERENCE INFORMATION



PROPERTY MAP

CUY-IR490 / SR010-
2.09 / 19.28

301
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NO.	DATE	DESCRIPTION
0	2018-07-29	RFC - FOR REFERENCE ONLY
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.

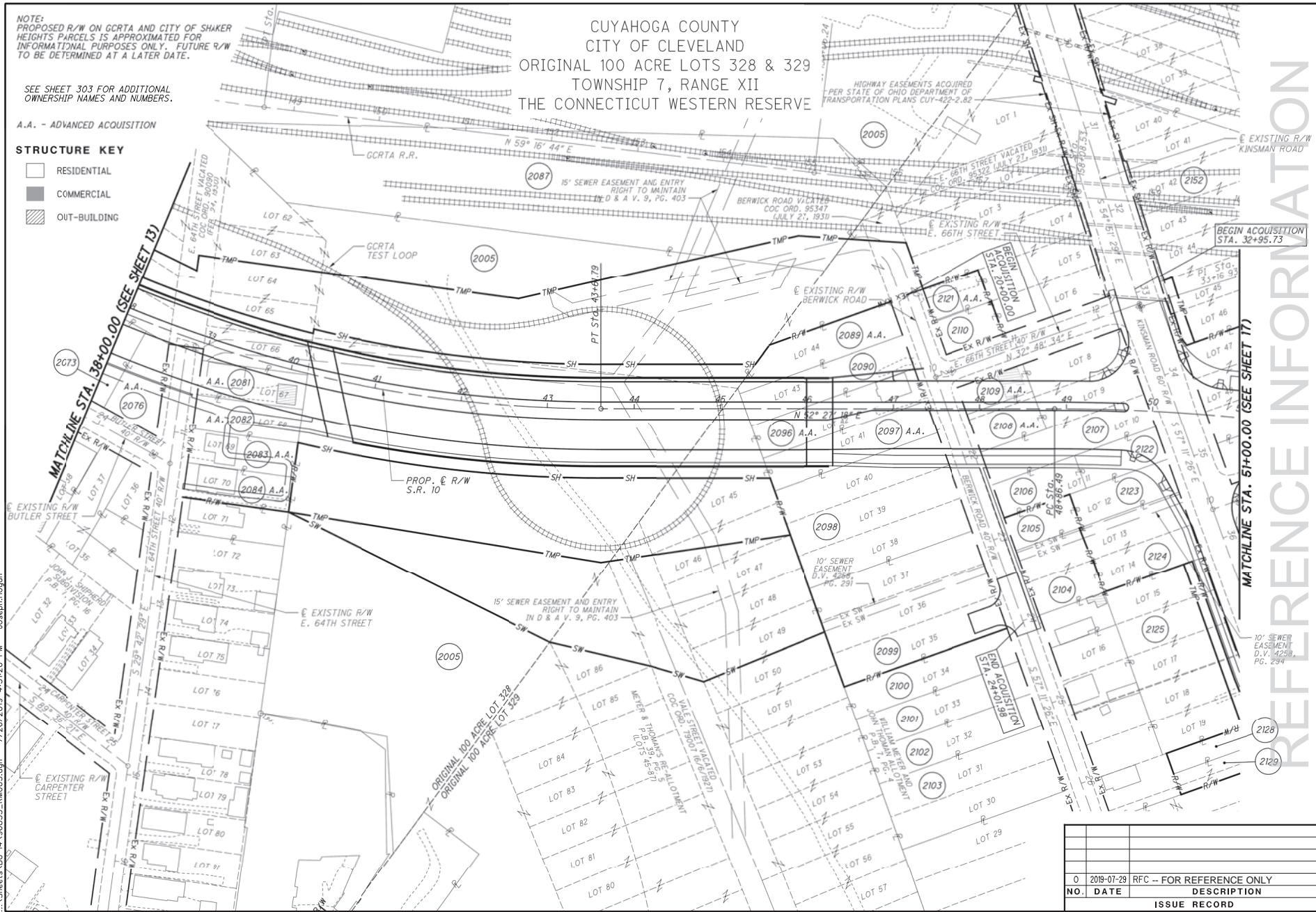
SEE SHEET 303 FOR ADDITIONAL
 OWNERSHIP NAMES AND NUMBERS.

A.A. - ADVANCED ACQUISITION

STRUCTURE KEY

-  RESIDENTIAL
-  COMMERCIAL
-  OUT-BUILDING

CUYAHOGA COUNTY
 CITY OF CLEVELAND
 ORIGINAL 100 ACRE LOTS 328 & 329
 TOWNSHIP 7, RANGE XII
 THE CONNECTICUT WESTERN RESERVE



CALCULATED
 CHECKED

PROPERTY MAP

CUY-IR490/SR010-
 2.09 / 19.28

302
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NO.	DATE	DESCRIPTION
0	2019-07-29	RFC - FOR REFERENCE ONLY
		ISSUE RECORD

REFERENCE INFORMATION

ADDITIONAL OWNERSHIP NAME AND NUMBER FOR SHEET 302

- 2005 THE GREATER CLEVELAND REGIONAL TRANSIT AUTHORITY
124-21-001, 007, 125-02-001, 017, 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
125-17-032
- 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

REFERENCE INFORMATION



CALCULATED
CHECKED

PROPERTY MAP

CUY-IR490 / SR010-
2.09 / 19.28

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