

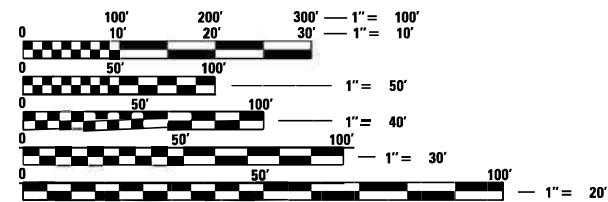
DESIGN DESIGNATION

SN 063-7017
 FUNCTIONAL CLASSIFICATION: MINOR ARTERIAL
 ADT: 1,800 (2019), 2,196 (2029)
 PV: 87.78%
 MU: 7.22%
 SU: 5%
 DESIGN SPEED 60 MPH

SN 063-7020
 FUNCTIONAL CLASSIFICATION: MINOR ARTERIAL
 ADT: 1,650 (2019), 2,013 (2029)
 PV: 83.03%
 MU: 9.09%
 SU: 7.88%
 DESIGN SPEED 60 MPH

STA 194+93
 EX: SN 063-7017 PR: SN 063-7035
 PR SINGLE CELL 10' X 10'
 PRECAST CONCRETE BOX CULVERT
 90'-0" OUT TO OUT
 30° SKEW RT FWD
 (104'-0" ALONG SKEW)

STA 370+70
 EX: SN 063-7020 PR: SN 063-7036
 PR DOUBLE CELL 8' X 4'
 PRECAST CONCRETE BOX CULVERT
 86'-0" OUT TO OUT
 NO SKEW



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
 1-800-892-0123
 OR 811

PROJECT ENGINEER: JAY EDWARDS (217) 785-0597
 TEAM MANAGER: JONATHAN COX (217) 782-1378

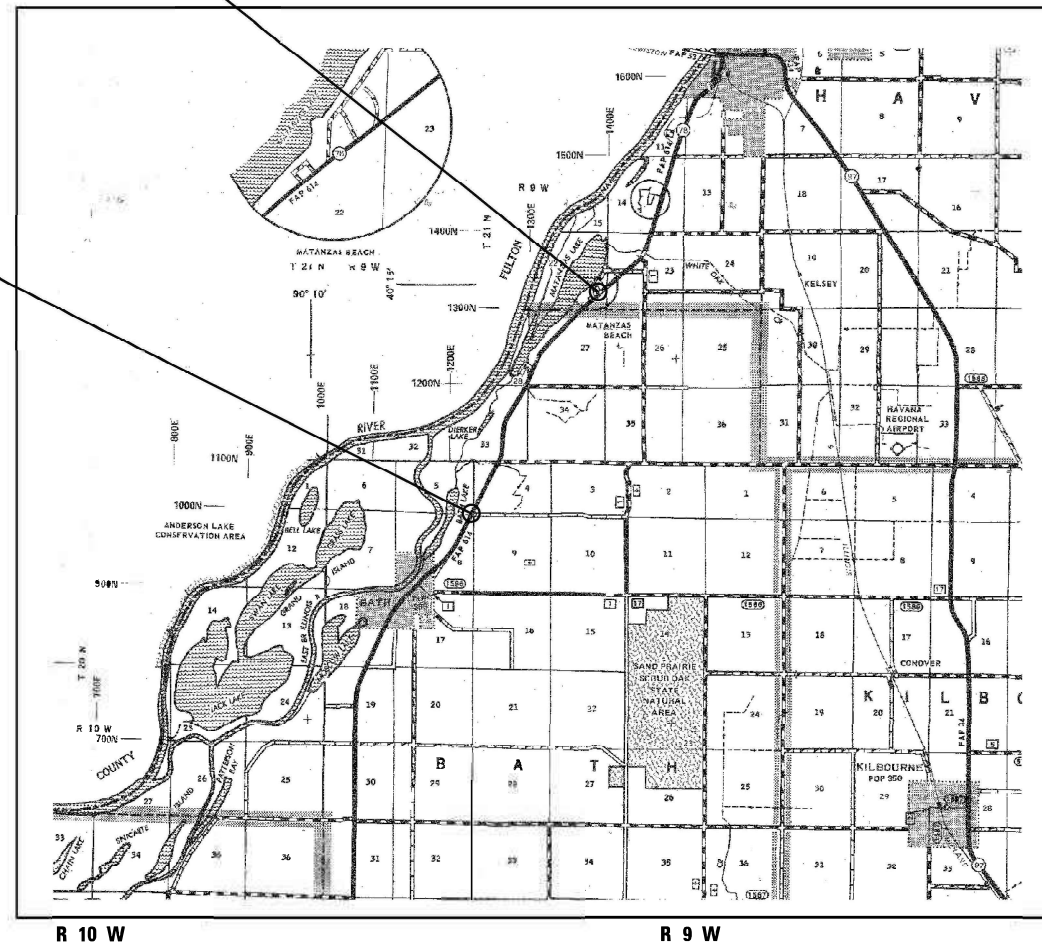
CONTRACT NO. 72F35

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

**PROPOSED
 HIGHWAY PLANS**

FAP ROUTE 614 (IL 78)
 SECTION (141)CR,CR-1
 PROJECT COVD-CFWR (377)
 CULVERT REPLACEMENTS
 MASON COUNTY

C-96-050-12



GROSS LENGTH = 525 FT. = 0.099 MILE
 NET LENGTH = 525 FT. = 0.099 MILE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(141)CR,CR-1	MASON	54*	1
		ILLINOIS	CONTRACT NO. 72F35	

* 54 + 2 = 56 TOTAL SHEETS

D-96-050-12



FUNCTIONAL CLASSIFICATION: MINOR ARTERIAL

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED August 20 20 21

Jay P. Myers
 REGIONAL ENGINEER

October 1 20 21
[Signature]
 ENGINEER OF DESIGN AND ENVIRONMENT

October 20 21
Stephen M. Smith
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 2

PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS

STANDARDS

- 000001-08 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
- 001001-02 AREAS OF REINFORCEMENT BARS
- 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
- 602306-03 INLET-TYPE B
- 604001-05 FRAME AND LIDS TYPE 1
- 630001-12 STEEL PLATE BEAM GUARDRAIL
- 630106-02 LONG-SPAN GUARDRAIL OVER CULVERT
- 630301-09 SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
- 666001-01 RIGHT OF WAY MARKERS
- 701001-02 OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
- 701006-05 OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24' FROM PAVEMENT EDGE

- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701306-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS DAY ONLY, FOR SPEEDS \geq 45 MPH
- 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS DAY ONLY
- 701321-18 LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
- 701326-04 LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS \geq 45 MPH
- 701901-08 TRAFFIC CONTROL DEVICES
- 704001-08 TEMPORARY CONCRETE BARRIER
- 780001-05 TYPICAL PAVEMENT MARKINGS
- BLR 21-9 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 515001-04 NAME PLATE FOR BRIDGES
- 701426-09 LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS \geq 45 MPH
- 781001-04 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
- 782006-01 GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

INDEX OF SHEETS

- 1 COVER SHEET
- 2-3 INDEX OF SHEETS, LISTS OF STANDARDS,
GENERAL NOTES AND COMMITMENTS (2)
- 4-8 SUMMARY OF QUANTITIES (5)
- 9-10 SCHEDULE OF QUANTITIES (3)
- 11-12 TYPICAL SECTIONS (2)
- 13 ALIGNMENT, CROSS TIES, & BENCHMARKS
- 14-16 PLAN SHEETS (3)
- 17-18 DETOUR PLAN FOR SN 063-7017 (2)
- 19-24 STAGING PLAN SHEETS FOR SN 063-7020 (6)
- 25-26 EROSION CONTROL PLAN (2)
- 27-32 CULVERT DETAILS (8•)
- 33 GRANULAR BACKFILL DETAIL
- 34-46 CROSS SECTION DETAILS SN 063-7017 (13)
- 47-54•• CROSS SECTION DETAILS SN 063-2020 (8)

- INCLUDES 27A & 27B FOR 063-7035 WINGWALL DETAILS
- TOTAL WILL BE 56 SHEETS WITH 27A & 27B ADDITIONS

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS DISTRICT 6	
EXAMINED	August 5 20 21
ENGINEER OF OPERATIONS	
EXAMINED	August 18 20 21
ENGINEER OF PROJECT IMPLEMENTATION	
EXAMINED	August 9 20 21
ENGINEER OF PROGRAM DEVELOPMENT	

REV. - MS

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	DRAWN -	REVISED - 2
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED + 2
PLOT DATE = 8/24/2021	DATE -	REVISED + 2

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS &
HIGHWAY STANDARDS**

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(141)CR,CR-1	MASON	54	2
CONTRACT NO. 72F35			ILLINOIS FED. AID PROJECT	

GENERAL NOTES

1 THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE

	LOCATIONS:	IL 78	IL 78
2	MIXTURE USE(S):	HMA CONC SURF CSE	HMA BASE CSE
	AC/PG:	PG 64-22	PG 64-22
3	DESIGN AIR VOIDS	4.0 @ N DESIGN = 50	4.0 @ N DESIGN = 50
	MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 9.5	IL 19.0
4	FRICTION AGGREGATE	MIX "C"	N/A
	QUALITY MANAGEMENT	QC/QA	QC/QA
	SUBLOT SIZE	N/A	N/A

RATE TABLE

THE FOLLOWING RATES OF APPLICATION HAVE BEEN ASSUMED IN CALCULATING PLAN QUANTITIES.

BITUMINOUS MATERIALS (TACK COAT): 0.05 LBS/SQ FT (MILLING)
 0.025 LBS/SQ FT (HMA LIFTS)
 BITUMINOUS MATERIALS (PRIME COAT) ON AGG BASES: 0.25 LBS/SQ FT
 HMA SURFACE MIX "C": 0.056 TONS/SQ YD
 AGGREGATE BASE COURSE GRANULAR STRUCTURAL BACKFILL, TRENCH BACKFILL: 1.80 TONS/SQ YD
 AGGREGATE SHOULDERS: 1.60 TONS/CU YD
 NITROGEN FERTILIZER NUTRIENT: 90LBS/ACRE
 PHOSPHORAS FERTILIZER NUTRIENT: 90LBS/ACRE
 POTASSIUM FERTILIZER NUTRIENT: 90LBS/ACRE
 AGRICULTURE GROUND LIMESTONE: 2 TONS/ACRE
 MUCLH: 2 TONS/ACRE

COMMITMENTS

TREES THREE (3) INCHES OR GREATER IN DIAMETER AT BREAST HEIGHT
 SHALL NOT BE CLEARED FROM APRIL 1ST TO SEPTEMBER 30TH

REV. - MS

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USER NAME = coxjw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES, RATE TABLE, & COMMITMENTS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN -	REVISED -	614			(141)CR,CR-1	MASON	54	3	
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 72F35				
PLOT DATE = 8/20/2021	DATE -	REVISED -			SCALE:	SHEET 2 OF 2 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	6-00520-0000	6-00521-0000
				100% FEDERAL	100% FEDERAL
				BOX CULVERT 0004 S.N. 063-7035	BOX CULVERT 0004 S.N. 063-7036
20100500	TREE REMOVAL, ACRES	ACRE	0.25	0.25	
20200100	EARTH EXCAVATION	CU YD	535	270	265
20400800	FURNISHED EXCAVATION	CU YD	829	736	93
20800150	TRENCH BACKFILL	CU YD	5	5	
25000200	SEEDING, CLASS 2	ACRE	0.25	0.17	0.08
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	22	15	7
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	22	15	7
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	22	15	7
25000700	AGRICULTURAL GROUND LIMESTONE	TON	0.5	0.33	0.17
25100115	MULCH, METHOD 2	ACRE	0.25	0.17	0.08
28000305	TEMPORARY DITCH CHECKS	FOOT	70	40	30
28000400	PERIMETER EROSION BARRIER	FOOT	72	72	
28000500	INLET AND PIPE PROTECTION	EACH	11	9	2

REV. - MS

REV-SEP

USER NAME = COXJW	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/20/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(141)CR,CR-1	MASON	54	4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72F35	

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	6-00520-0000	6-00521-0000
				100% FEDERAL	100% FEDERAL
				BOX CULVERT 0004	BOX CULVERT 0004
				S.N. 063-7035	S.N. 063-7036
28100105	STONE RIPRAP, CLASS A3	SQ YD	409		409
28100107	STONE RIPRAP, CLASS A4	SQ YD	421	421	
28200200	FILTER FABRIC	SQ YD	830	421	409
35100500	AGGREGATE BASE COURSE, TYPE A 6"	SQ YD	69		69
35501326	HOT-MIX ASPHALT BASE COURSE, 10 1/2"	SQ YD	212	195	17
35501332	HOT-MIX ASPHALT BASE COURSE, 12"	SQ YD	371		371
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	14		14
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	28	17	11
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	11	11	
44000100	PAVEMENT REMOVAL	SQ YD	234	195	39
44004250	PAVED SHOULDER REMOVAL	SQ YD	371		371
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	18	3	15
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1	1	
50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1		1

USER NAME = coxjw	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED +
PLOT DATE = 8/20/2021	DATE -	REVISED +

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(141)CR,CR-1	MASON	54	5
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72F35	

REV-SEP

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	6-00520-0000	6-00521-0000
				100% FEDERAL	100% FEDERAL
				BOX CULVERT 0004	BOX CULVERT 0004
				S.N. 063-7035	S.N. 063-7036
50105220	PIPE CULVERT REMOVAL	FOOT	76	36	40
51500100	NAME PLATES	EACH	2	1	1
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	215		215
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	2	2	
54001002	BOX CULVERT END SECTIONS, CULVERT NO. 2	EACH	2		2
54010804	PRECAST CONCRETE BOX CULVERTS 8' X 4'	FOOT	162		162
54011010	PRECAST CONCRETE BOX CULVERTS 10' X 10'	FOOT	96	96	
542A0220	PIPE CULVERTS, CLASS A, TYPE 1 15"	FOOT	81	21	60
542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	106	106	
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	149	83	66
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	72	72	
5421D015	PIPE CULVERTS, CLASS D, TYPE 1 15" (TEMPORARY)	FOOT	40		40
58100200	WATERPROOFING MEMBRANE SYSTEM	SQ YD	303	131	172

REV. - MS

REV-SEP

USER NAME = coxjw	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED +
PLOT DATE = 8/20/2021	DATE -	REVISED +

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(141)CR,CR-1	MASON	54	6
CONTRACT NO. 72F35			ILLINOIS FED. AID PROJECT	

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	6-00520-0000	6-00521-0000
				100% FEDERAL	100% FEDERAL
				BOX CULVERT	BOX CULVERT
				0004	0004
				S.N. 063-7035	S.N. 063-7036
60240215	INLETS, TYPE B, TYPE 1 FRAME, CLOSED LID	EACH	4	4	
63200310	GUARDRAIL REMOVAL	FOOT	337	337	
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	20	13	7
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	3	3
67100100	MOBILIZATION	L SUM	1	0.5	0.5
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1		1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1	
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1		1
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1		1
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	400	200	200
70400100	TEMPORARY CONCRETE BARRIER	FOOT	337.5		337.5
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	262.5		262.5
70500100	TEMPORARY STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	100		100
70500500	TEMPORARY STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES	FOOT	12.5		12.5

USER NAME = COXJW	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED +
PLOT DATE = 8/20/2021	DATE -	REVISED +

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(141)CR,CR-1	MASON	54	7
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72F35	

REV-SEP

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	6-00520-0000	6-00521-0000
				100% FEDERAL	100% FEDERAL
				BOX CULVERT 0004 S.N. 063-7035	BOX CULVERT 0004 S.N. 063-7036
70600251	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2		2
70600352	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2		2
* 78001120	PAINT PAVEMENT MARKING - LINE 5"	FOOT	1522	122	1400
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	8		8
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	8		8
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	521		521
X0100028	SOIL RETENTION SYSTEM	L SUM	1	1	
X7011800	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1	1	
X7050167	TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (TANGENT)	EACH	1		1
X7200201	WIDTH RESTRICTION SIGNING	L SUM	1		1
Z0016702	DETOUR SIGNING	L SUM	1	1	
Z0023602	GRANULAR CULVERT BACKFILL	CU YD	215	150	65
* Z0054517	ROCK FILL - FOUNDATION	TON	472	315	157

* SPECIALTY ITEM

REV. - MS

REV-SEP

USER NAME = coxjw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -					614	(141)CR,CR-1	MASON	54	8
PLOT DATE = 8/20/2021	CHECKED -	REVISED +		SCALE:	SHEET 4	OF 4	SHEETS	STA.	TO STA.	CONTRACT NO. 72F35	
	DATE -	REVISED +		ILLINOIS FED. AID PROJECT							

LOCATION	LENGTH (SQ FT)	TREE REM ACRES (ACRE)
FAP 614 (IL 78)		
SN 063-7035		
STA 194+67.00, 47' LT	2,071.29	0.05
STA 195+19.00, 64' RT	3,372.88	0.08
TOTAL		0.13
		USE 0.25

DESCRIPTION	STATION	EXIST. ENTR.	FROM E.O.P. (FOOT)	WIDTH		THICK (INCH)	AGG BSE CRSE TA 6 (SQ YD)	ENTR.		SIDE RD.		TOTAL (TON)	Aggr. Shldr AREA (SQ FT)
				(@eop)	(etnr.)			AREA (SQ FT)	TOTAL (TON)	AREA (SQ FT)	TOTAL (TON)		
4080050 HMA													
SN 063-7035													
LIMITS OF IMPROVEMENT	192+20.00												
HMA PE LT	193+59.00	BIT.	8	30	17	2.25to1.5		188.00	2.19			2.19	0.76
1315N RT	193+88.44	BIT.	10	40	28	2.25to1.5				340.00	3.97	3.97	1.24
HMA PE LT	195+45.00	BIT.	6	31	16	2.25to1.5		141.00	1.65			1.65	0.71
1310N RT	196+24.51	BIT.	4	24	20	2.25to1.5		88.00	1.03			1.03	0.89
HMA PE LT	196+54.00	BIT.	8	34	19	2.25to1.5		212.00	2.47			2.47	0.84
LIMITS OF IMPROVEMENT	196+74.00												
LIMITS OF IMPROVEMENT	368+95.00												
SN 063-7036													
AGG FE LT	370+09.00	AGG	22	37	19	8"	68.44						
1310N RT	1000N	BIT.											
LIMITS OF IMPROVEMENT	372+45.00												
TOTAL							69	629	7	340	4	11	4

LOCATION	20200100		20400800		BALANCE WASTE + SHORT () (CU YD)
	EARTH EXCAV (CU YD)	SHRINK FACTOR (CU YD)	EMBANK (CU YD)		
FAP 614 (IL 78)					
SN 063-7035					
192+00.00 TO 198+00.00	269.63	202.23	735.54		(533.32)
SN 063-7036					
368+50.00 TO 372+00.00	265.07	198.80	92.95		105.85
TOTAL =	535	402	828		-427

Shrinkage Factor 25%

LOCATION	LENGTH (FOOT)	WIDTH (FOOT)	44004250
			PVD SHD REM (SQ YD)
FAP 614 (IL 78)			
SN 063-7036			
368+95.30 TO 372+45.00 RT	349.70	7.0	271.99
369+20.40 TO 372+18.25 LT	297.85	3.0	99.28
TOTAL			371

LOCATION	AREA (SQ FT)	25000200				
		25100115 SEEDING & MULCH METH 2 (ACRE)	25000400 NITRO FERT NUTRI (POUND)	25000500 PHOSP FERT NUTRI (POUND)	25000600 POTASS FERT NUTRI (POUND)	25000700 AGRI GRD LIMSTN (TON)
FAP 614 (IL 78)						
SN 063-7035						
192+20.00 TO 197+68.00 RT	2,871	0.07	5.93	5.93	5.93	0.13
193+44.00 TO 196+44.00 LT	4,456	0.10	9.21	9.21	9.21	0.20
SN 063-7036						
370+10.00 TO 371+21.00 RT	2,212	0.05	4.57	4.57	4.57	0.10
370+18.00 TO 371+00.00 LT	1,261	0.03	2.61	2.61	2.61	0.06
TOTAL		0.25	22	22	22	0.50

LOCATION	AVG. THICK (INCHES)	LENGTH (FOOT)	WIDTH (FOOT)	AREA (CU YD)	48102100
					AGG WGE SHLD TB (TON)
FAP 614 (IL 78)					
SN 063-7035					
194+66.83 TO 195+19.17 x2	1.625	52.34	3.0	1.58	2.52
SN 063-7036					
368+95.30 TO 372+45.00 RT	1.625	349.7	3.0	5.26	8.42
369+20.40 TO 372+18.25 LT	1.625	297.8	3.0	4.48	7.17
SUBTRACT AGG SHLD AREA FROM SIDE RD & ENT					
TOTAL					18

LOCATION	ARFA (SQ FT)	28100105	28100107	28200200
		STONE RIPRAP CL A3 (SQ YD)	STONE RIPRAP CL A4 (SQ YD)	FILTER FABRIC (SQ YD)
FAP 614 (IL 78)				
SN 063-7035				
194+33.00 TO 194+92.00 LT	1,522		169	169
194+96.00 TO 195+50.00 RT	2,270		252	252
SN 063-7036				
370+27.00 TO 370+81.00 LT	1,198	133		133
370+27.00 TO 371+20.00 RT	2,471	275		275
TOTAL		409	421	830

LOCATION	TEMP DITCH CHECKS (FOOT)	28000305	28000400	28000500
		PRINTER EROSION BARRIER (FOOT)	INLET & PIPE PROTECT (EACH)	
FAP 614 (IL 78)				
SN 063-7035				
193+39.00	R			1
193+40.00	L			1
193+79.00	L			1
194+00.00	L	10		
194+25.00 TO 194+32.00	L		17	
194+32.00	R			1
194+50.00	R	10		
194+63.00	L			1
195+00.00	R	10		
195+07.00	L			1
195+50.00 TO 196+00.00	R		55	
195+75.00	R	10		
196+00.00	R			1
196+73.00				2
SN 063-7036				
369+83.00	L			1
370+50.00		20		
370+70.00	L			1
371+00.00	R	10		
TOTAL		70	72	11

LOCATION	LENGTH (FOOT)	WIDTH (FOOT)	35501326	35501332	40604050	44000100
			HMA BSE CRSE 10 1/2" (SQ YD)	HMA BSE CRSE 12" (SQ YD)	HMA SURF CSE MIX C N50 (TON)	PVT REMOV (SQ YD)
FAP 614 (IL 78)						
SN 063-7035						
194+66.83 TO 195+19.17	1,756.52		195.17		16.39	195.17
SN 063-7036						
368+95.30 TO 372+45.00 RT	349.70	7.0		271.99		
369+20.40 TO 372+18.25 LT	297.85	3.0		99.28		
370+44.00 TO 370+83.00	39.00	31.0	16.93		11.28	39.00
TOTAL			212	371	28	234

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(141)CR-1	MASON	54	9
CONTRACT NO. 72F35				
ILLINOIS FED. AID PROJECT				

LOCATION	78001120		78300202	
	5"			
	PAINT PAVT MK (YELLOW) SKIP-DASH (FOOT)	PAINT PAVT MK (WHITE) SOLID (FOOT)	PVT MK REM WATER BLAST SKIP-DASH (SQ FT)	PVT MK REM WATER BLAST SOLID (SQ FT)
FAP 614 (IL 78)				
SN 063-7035				
194+66.83 TO 195+19.17	17	105		
SN 063-7036				
368+00.00 TO 374+00.00	200	1,200	21	500
TOTAL	217	1,305	21	500
	1,522		521	

LOCATION	20800150	50105220	542A0220	542A0223	542D0220	542D0223	60240215
	TRENCH BACKFILL (CU YD)	PIPE CULVT REMOVAL (FOOT)	PIPE CULVT CL A T1 15 (FOOT)	PIPE CULVT CL A T1 18 (FOOT)	PIPE CULVT CL D T1 15 (FOOT)	PIPE CULVT CL D T1 18 (FOOT)	INLETS TB T1 FRAME CL (EACH)
FAP 614 (IL 78)							
SN 063-7035							
193+43.00 TO 193+93.00 LT	4.36	36.00		50.00			
193+93.00 TO 194+40.00 LT				56.00			
STA 193+93.00, 32.02' LT							1.00
193+79.00 TO 194+46.00 LT							
STA 194+32.00, 31.29' RT							1.00
194+32.00 TO 195+08.00 RT					83.00		
STA 195+07.00, 27.15' LT							1.00
195+07.00 TO 194+88.00 LT			21.00				
STA 196+00.00, 34.11' RT							1.00
195+43.00 TO 196+00.00 LT					66.00		
SN 063-7036							
369+87.00 TO 370+56.00 LT		40.00	60.00				
TOTAL	5	76	81	106	149	72	4

LOCATION	66600105 FURNISH & ERECT ROW MK (EACH)
FAP 614 (IL 78)	
SN 063-7035	
193+38.00, 43' LT	1
193+70.00, 53' LT	1
194+06.00, 55' LT	1
194+20.00, 80' LT	1
194+50.00, 45' RT	1
194+75.00, 60' RT	1
194+75.00, 80' LT	1
195+00.00, 90' RT	1
195+05.00, 45' LT	1
195+50.00, 90' RT	1
195+89.00, 54' RT	1
196+14.00, 54' RT	1
196+14.00, 44' RT	1
SN 063-7036	
370+20.00, 40' RT	1
370+30.00, 40' LT	1
370+30.00, 60' LT	1
370+65.00, 85' RT	1
370+88.00, 60' LT	1
370+75.00, 85' RT	1
371+30.00, 40' RT	1
TOTAL	20

LOCATION	70400100	70400200
	TEMP CONC BARRIER (FOOT)	RELOC TEMP CONC BAR (FOOT)
FAP 614 (IL 78)		
SN 063-7036		
369+39.00 TO 372+00.00 S1	262.50	262.50
369+01.00 TO 369+39.00 S2	37.50	
372+00.00 TO 372+38.00 S2	37.50	
TOTAL	337.5	262.5

LOCATION	AREA	AREA	40201000	5421D015
	(SQ FT)	(CU YD)	AGG FOR TEMP ACCESS (TON)	PIPE CULVT CL D T1 TEMP (FOOT)
FAP 614 (IL 78)				
SN 063-7036				
STA 367+00.00 LT	554.50	6.85	13.69	40
TOTAL			14	40

LOCATION	78100100	78300200
	RAISED REF PVT MK (EACH)	RAISED REF PVT MK REM (EACH)
FAP 614 (IL 78)		
SN 063-7036		
368+00.00 TO 374+00.00	8	8
TOTAL	8	8

LOCATION	50100300	50100400	X0100028	54001001	544001001	54010804	54011010	Z0023602	Z0023602
	REM OF EX STR NO 1 (EACH)	REM OF EX STR NO 2 (EACH)	TEMP SOIL RETENT SYSTEM (SQ FT)	BX CULVT ES CULVT #1 (EACH)	BX CULVT ES CULVT #2 (EACH)	PC CONC BX CULVT 8 X 4 (FOOT)	PC CONC BX CULVT 10 X 10 (FOOT)	GRAN CULVT BKFILL (CU YD)	ROCKFILL FOUND (TON)
FAP 614 (IL 78)									
SN 063-7017 (EXIST)	1.0								
SN 063-7035 (PROP)							150.0	315.0	
194+93.00 30 DEG SKEW RT				2.0			96.0		
SN 063-7020 (EXIST)		1.0							
SN 063-7036 (PROP)			215.0		2.0	162.0	65.0		
TOTAL	1	1	215	2	2	162	96	215	315

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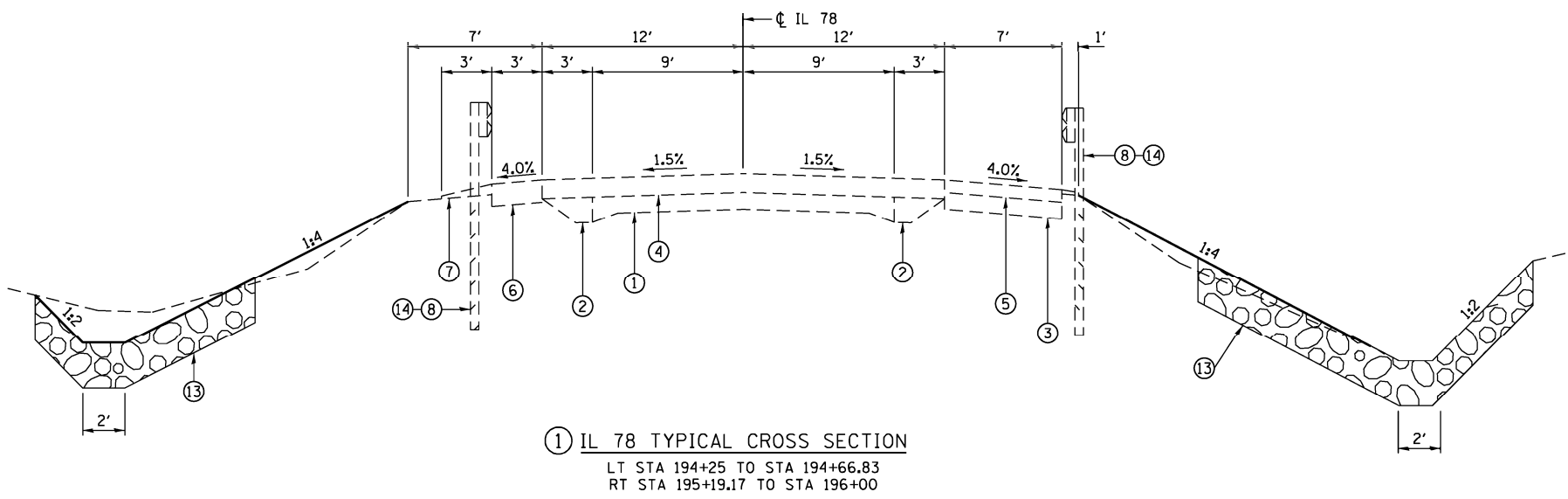
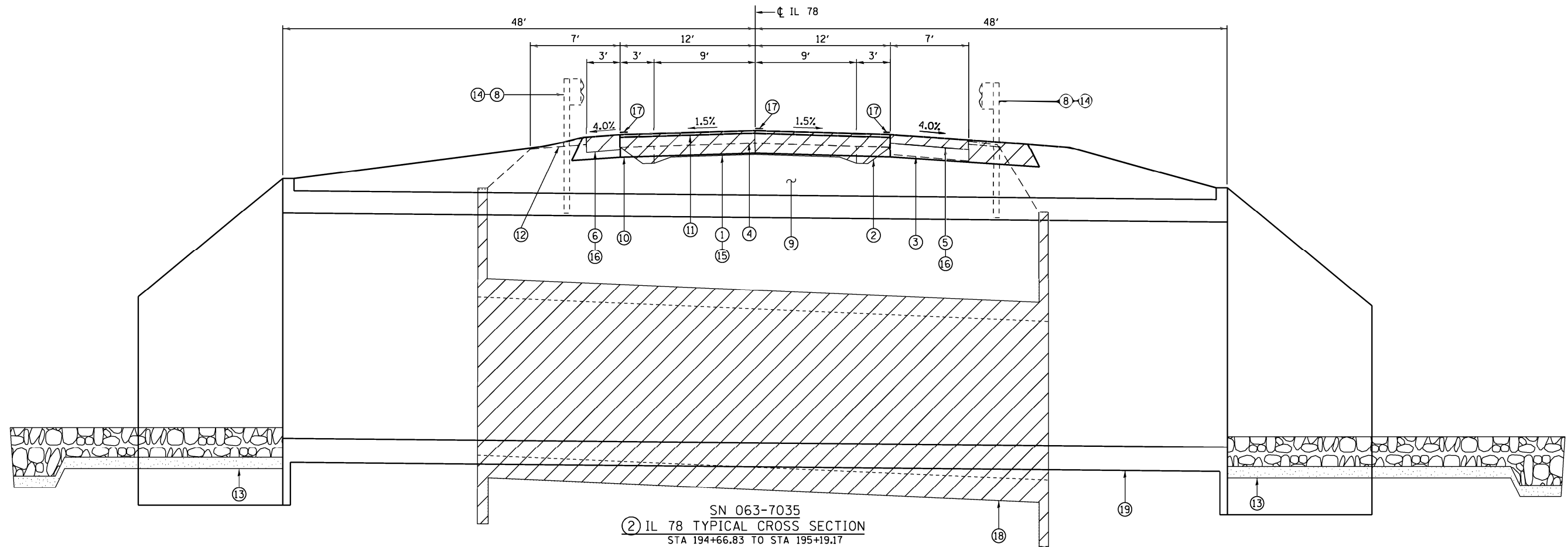
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(141)CR,CR-1	MASON	54	10
CONTRACT NO. 72F35				
ILLINOIS FED. AID PROJECT				



- LEGEND**
- ① EX PCC PAVEMENT 9"-6"-9"
 - ② EX AGGREGATE BASE 9"
 - ③ EX AGGREGATE BASE 6"
 - ④ EX HMA SURFACE 6 3/4"
 - ⑤ EX HMA SHOULDER 4 1/2"
 - ⑥ EX HMA SHOULDER 8"
 - ⑦ EX AGGREGATE SHOULDER
 - ⑧ EX STEEL PLATE BEAM GUARDRAIL
 - ⑨ PR GRANULAR CULVERT BACKFILL
 - ⑩ PR HMA BASE COURSE 10 1/2"
 - ⑪ PR HMA SURFACE COURSE MIX "C" N50 1 1/2"
 - ⑫ PR AGGREGATE WEDGE SHOULDER TYPE B PR
 - ⑬ STONE RIPRAP CLASS A4
 - ⑭ PR GUARDRAIL REMOVAL
 - ⑮ PR PAVEMENT REMOVAL
 - ⑯ PR PAVED SHOULDER REMOVAL
 - ⑰ PR PAINT PAVEMENT MARKING LINE 5"
 - ⑱ PR STRUCTURE REMOVAL
 - ⑲ PR BOX CULVERT

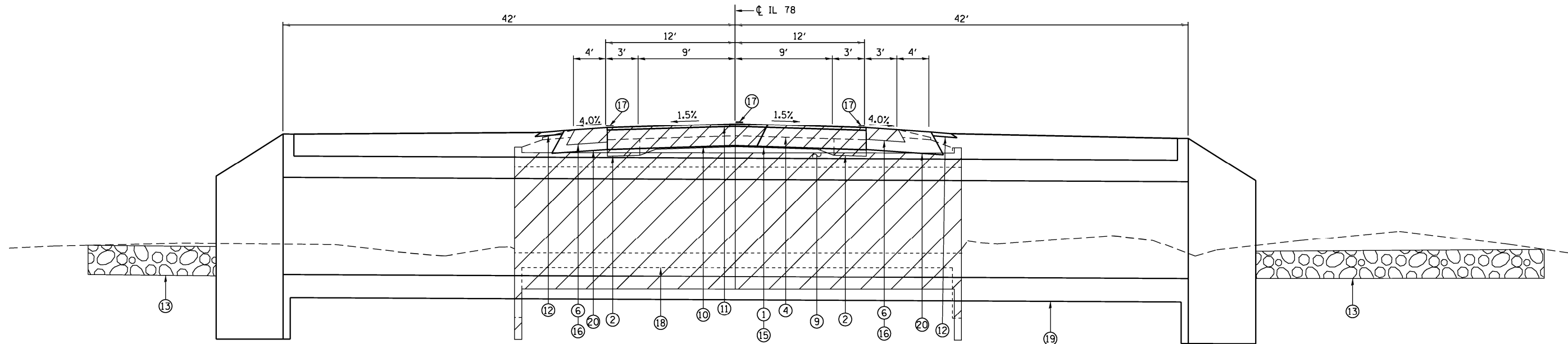
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

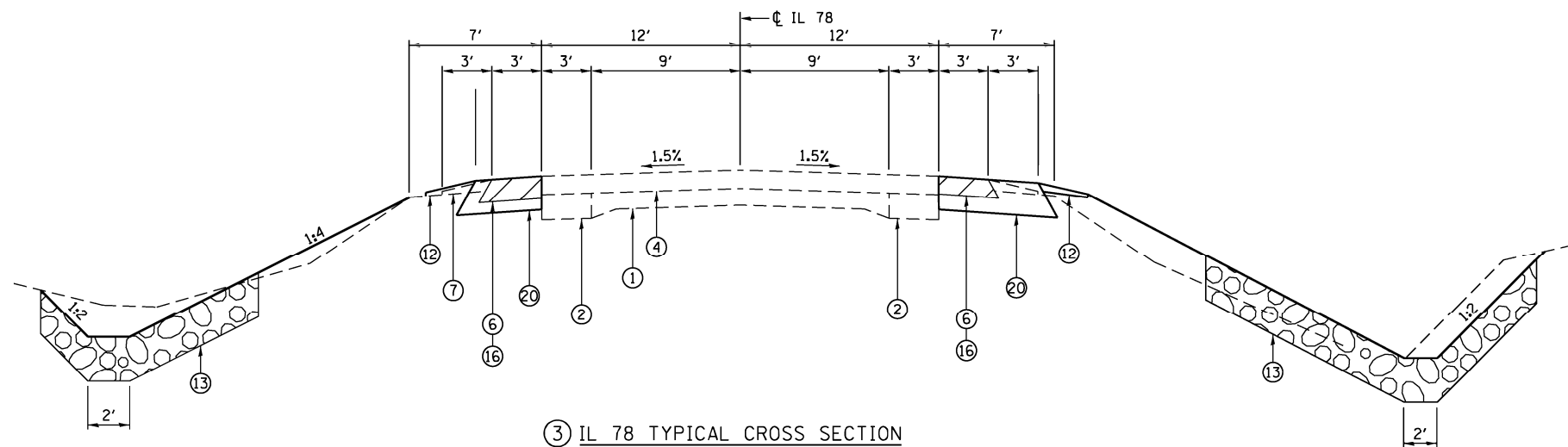
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EX SN 063-7017 PR SN 063-7035	
SCALE:	SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(141)CR,CR-1	MASON	54	11
CONTRACT NO. 72F35				
ILLINOIS FED. AID PROJECT				



SN 063-7036
 (4) IL 78 TYPICAL CROSS SECTION
 STA 370+53.50 TO STA 370+86.50

- LEGEND**
- ① EX PCC PAVEMENT 9"-6"-9"
 - ② EX AGGREGATE BASE 9"
 - ③ EX AGGREGATE BASE 6"
 - ④ EX HMA SURFACE 6 3/4"
 - ⑤ EX HMA SHOULDER 4 1/2"
 - ⑥ EX HMA SHOULDER 8"
 - ⑦ EX AGGREGATE SHOULDER
 - ⑧ EX STEEL PLATE BEAM GUARDRAIL
 - ⑨ PR GRANULAR CULVERT BACKFILL
 - ⑩ PR HMA BASE COURSE 10 1/2"
 - ⑪ PR HMA SURFACE COURSE MIX "C" N50 1 1/2"
 - ⑫ PR AGGREGATE WEDGE SHOULDER TYPE B
 - ⑬ PR STONE RIPRAP CLASS
 - ⑭ PR GUARDRAIL REMOVAL
 - ⑮ PR PAVEMENT REMOVAL
 - ⑯ PR PAVED SHOULDER REMOVAL
 - ⑰ PR PAINT PAVEMENT MARKING LINE 5"
 - ⑱ PR STRUCTURE REMOVAL
 - ⑲ PR BOX CULVERT
 - ⑳ PR HMA BASE COURSE 12"



(3) IL 78 TYPICAL CROSS SECTION
 LT STA 369+20.40 TO STA 370+53.50
 LT STA 370+86.50 TO STA 372+18.25
 RT STA 368+95.00 TO STA 370+53.50
 RT STA 370+86.50 TO STA 372+45.00

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		614	(141)CR,CR-1	MASON	54	12
SCALE:		SHEET 2 OF 2 SHEETS		STA.	TO STA.	

TYPICAL SECTIONS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
EX SN 063-7020 PR SN 063-7036		614	(141)CR,CR-1	MASON	54	12
		CONTRACT NO. 72F35		ILLINOIS FED. AID PROJECT		

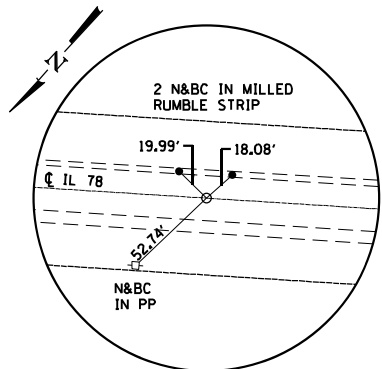
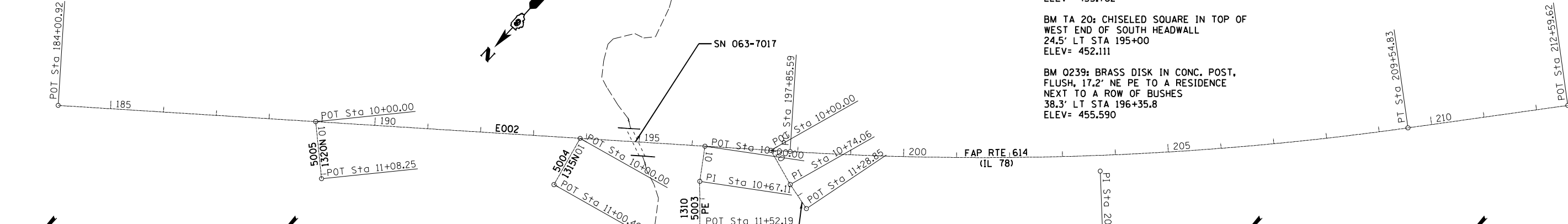
BM DA 57: 60D NAIL IN PP ON SE SIDE OF IL 78 AT NW CORNER OF HOUSE #13203
35.4' LT STA 191+00
ELEV= 455.762

BM TA 20: CHISELED SQUARE IN TOP OF WEST END OF SOUTH HEADWALL
24.5' LT STA 195+00
ELEV= 452.111

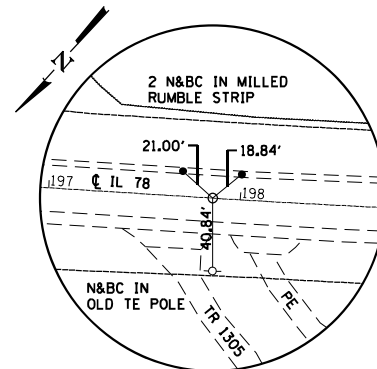
BM Q239: BRASS DISK IN CONC. POST, FLUSH, 17.2' NE PE TO A RESIDENCE NEXT TO A ROW OF BUSHES
38.3' LT STA 196+35.8
ELEV= 455.590

EXIST. CURVE 1
PI STA. = 203+72.22
 $\Delta = 11^\circ 36' 19''$ (LT)
 $D = 0^\circ 59' 33''$
 $R = 5,772.61'$
 $T = 586.63'$
 $L = 1,169.24'$
 $E = 29.73'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
P.C. STA. = 197+85.59
P.T. STA. = 209+54.83

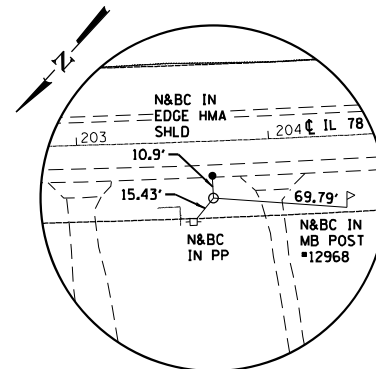
IL 78 EX SN 063-7017 PR -7035			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
P.O.T	184+00.92	1305044.20	2316730.86
P.C.	197+85.59	1304175.04	2315652.96
P.I.	203+72.22	1303806.81	2315196.30
P.T.	209+54.83	1303354.24	2314823.05
P.O.T	212+59.62	1303119.11	2314629.13



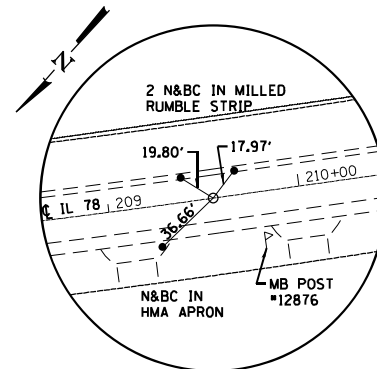
POT STA 184+00.92
PK N&BC W/
CHISELED "x" (SET)



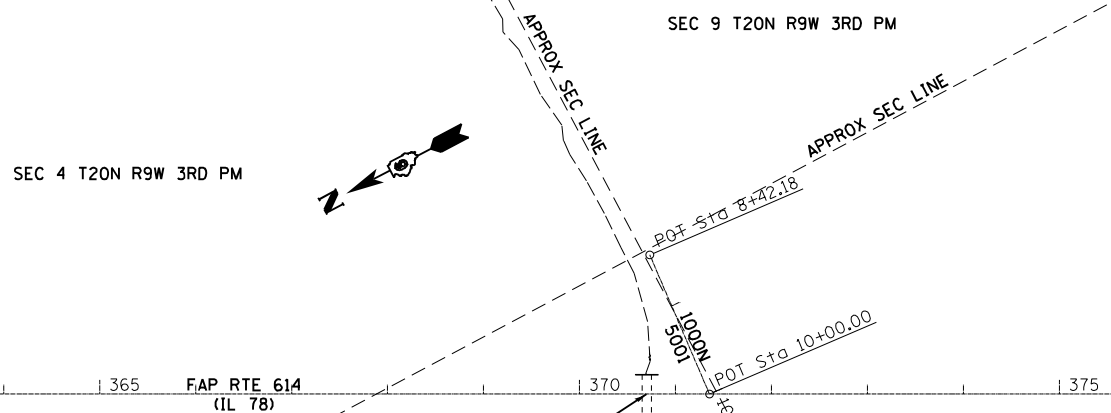
PC STA 197+85.59
PK N&BC W/
CHISELED "x" (SET)



PI STA 203+72.22
#4 REBAR W/CAP
BURRIED 6" (SET)



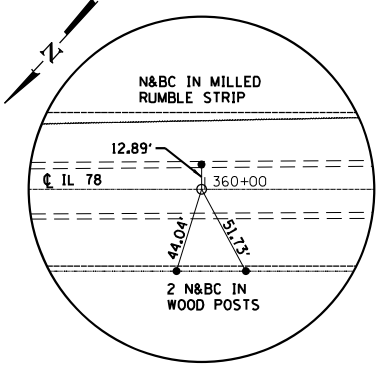
PT STA 209+54.83
PK N&BC W/
CHISELED "x" (SET)



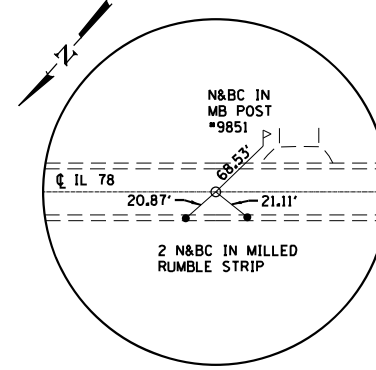
BM DA 1041: CHISELED "x" ON TOP OF EXPOSED REBAR FOR BOX CULVERT EAST SIDE OF IL 78, JUST SOUTH OF GOLF COURSE ENTRANCE
19.84' LT STA 382+57.52
ELEV. 458.499

BM DA 1042: CHISELED "x" ON TOP OF EXPOSED REBAR FOR BOX CULVERT WEST SIDE OF IL 78 AT JCT. OF IL 78/TR 10000
20.70' RT STA 370+70.10
ELEV= 455.575

IL 78 EX SN 063-7020 PR -7036			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
P.O.T	359+98.42	1290244.05	2308006.70
P.O.T	384+96.29	1288036.37	2306838.15



POT STA 359+98.42
PK N&BC W/
CHISELED "x" (SET)



POT STA 384+96.29
PK N&BC W/
CHISELED "x" (SET)

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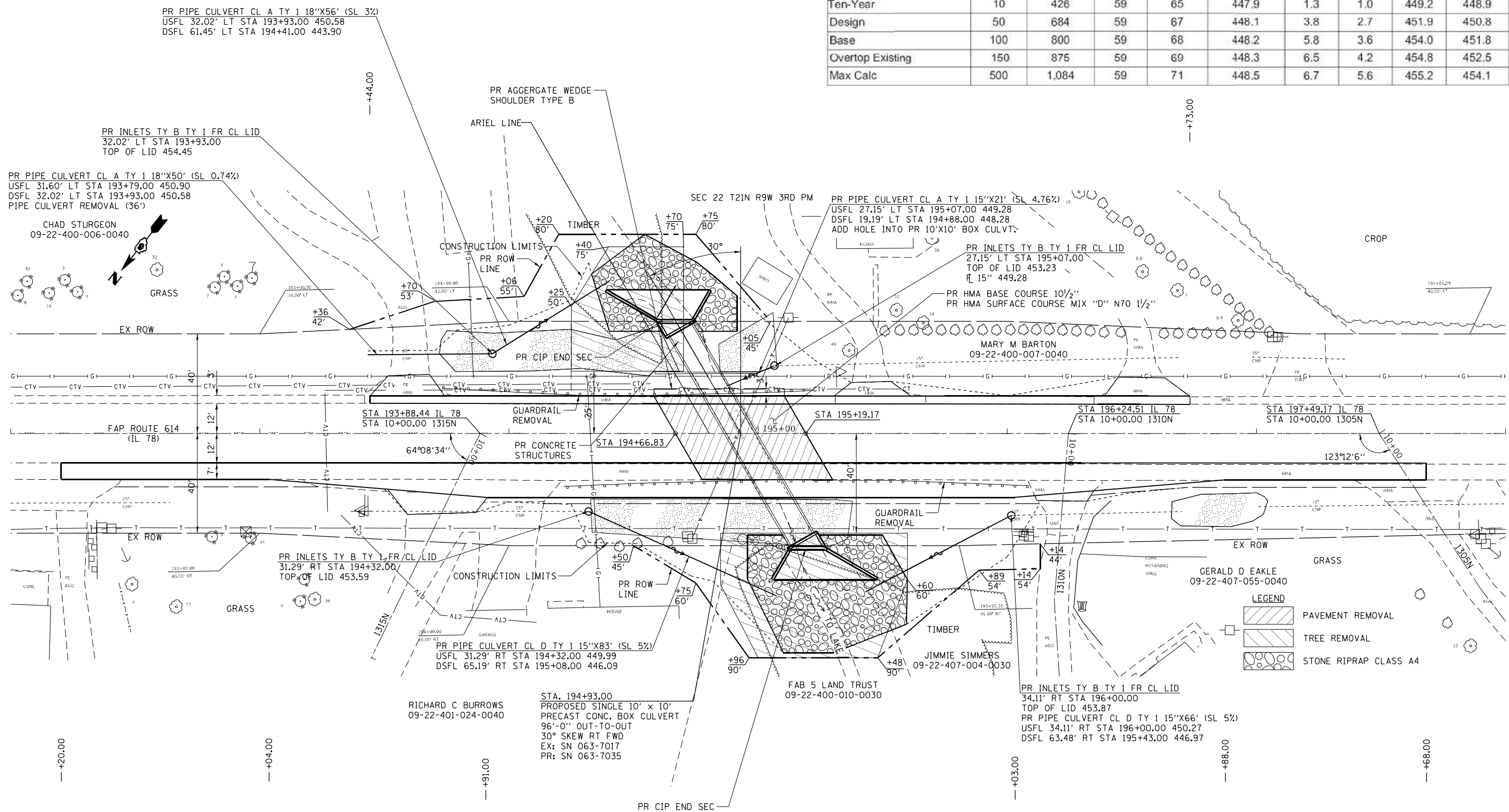
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, CROSS TIES,
& BENCHMARKS

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(141)CR,CR-1	MASON	54	13
CONTRACT NO. 72F35				
ILLINOIS FED. AID PROJECT				

				Existing Overtopping Elev. =	454.6	at Sta.	194+93		
				Proposed Overtopping Elev. =	454.6	at Sta.	194+93		
Drainage Area	5.3	sq. mi.							
Flood Event	Freq. Yr.	Discharge (cfs)	Waterway Opening (sf)	Natural H.W.E. (ft)	Head (ft)		Headwater Elev. (ft)		
			Existing	Proposed	Existing	Proposed	Existing	Proposed	
Ten-Year	10	426	59	65	447.9	1.3	1.0	449.2	448.9
Design	50	684	59	67	448.1	3.8	2.7	451.9	450.8
Base	100	800	59	68	448.2	5.8	3.6	454.0	451.8
Overtop Existing	150	875	59	69	448.3	6.5	4.2	454.8	452.5
Max Calc	500	1,084	59	71	448.5	6.7	5.6	455.2	454.1



LEGEND

	PAVEMENT REMOVAL
	TREE REMOVAL
	STONE RIPRAP CLASS A4

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
EX SN 063-7017 PR SN 063-7035

SCALE: SHEET 1 OF 3 SHEETS STA. 192+00.00 TO STA. 198+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(141)CR,CR-1	MASON	54	14
CONTRACT NO. 72F35				
ILLINOIS FED. AID PROJECT				

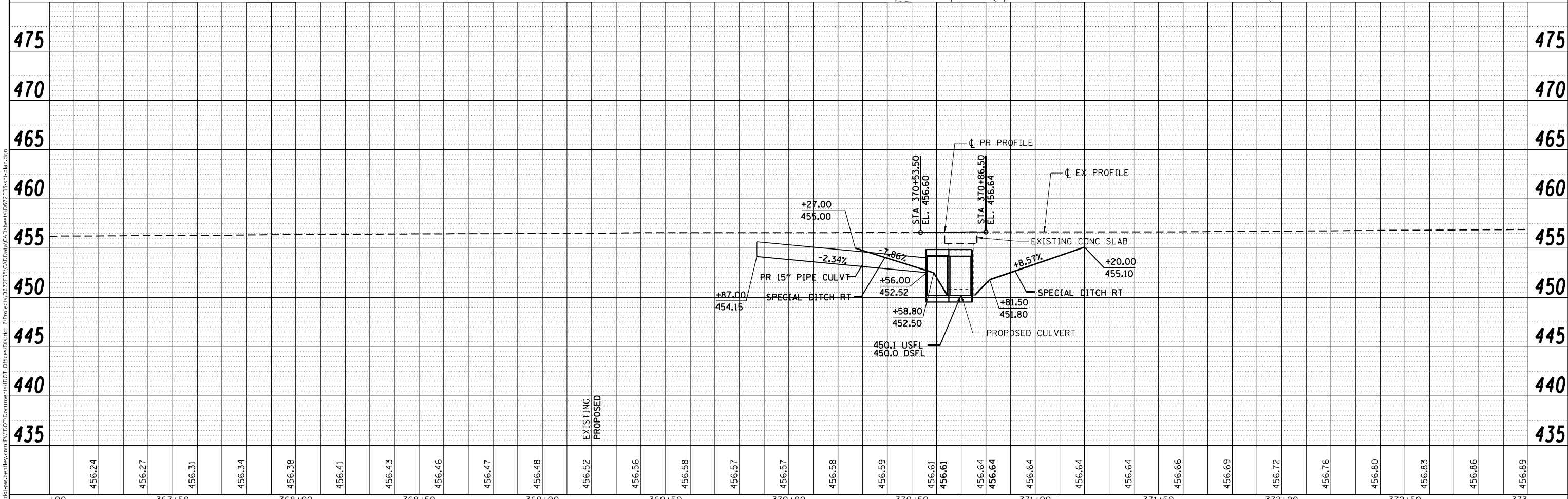
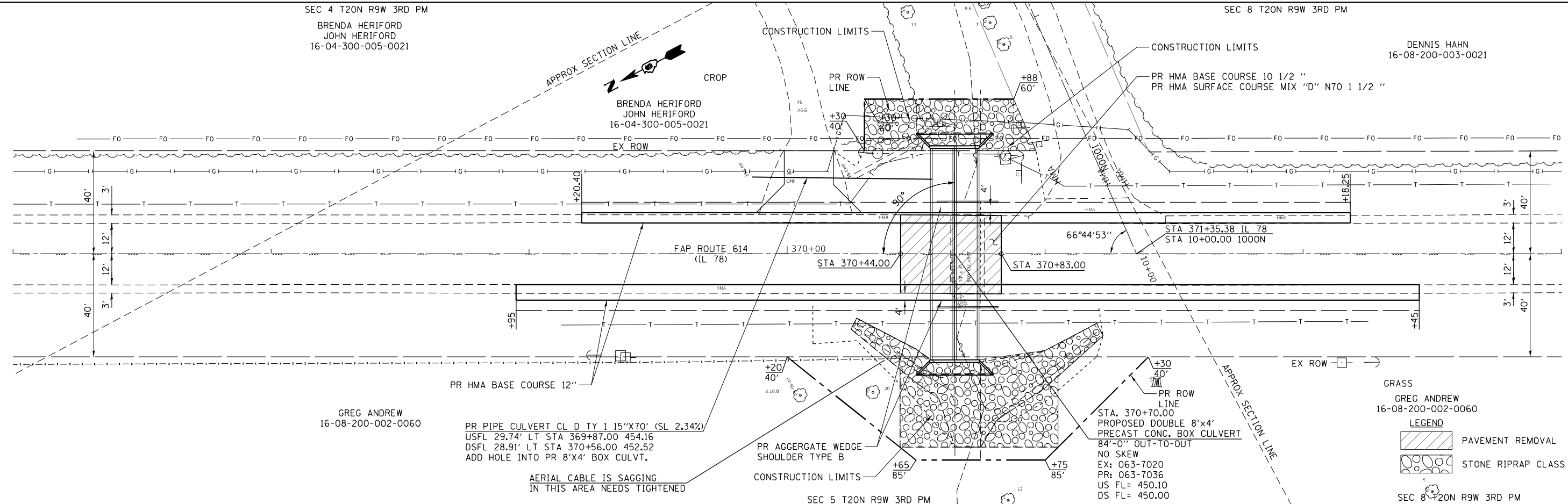
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 BRENDA HERIFORD
 JOHN HERIFORD
 16-04-300-005-0021

SEC 8 T20N R9W 3RD PM

DENNIS HAHN
 16-08-200-003-0021

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	BY	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	BY	
	NO.	



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

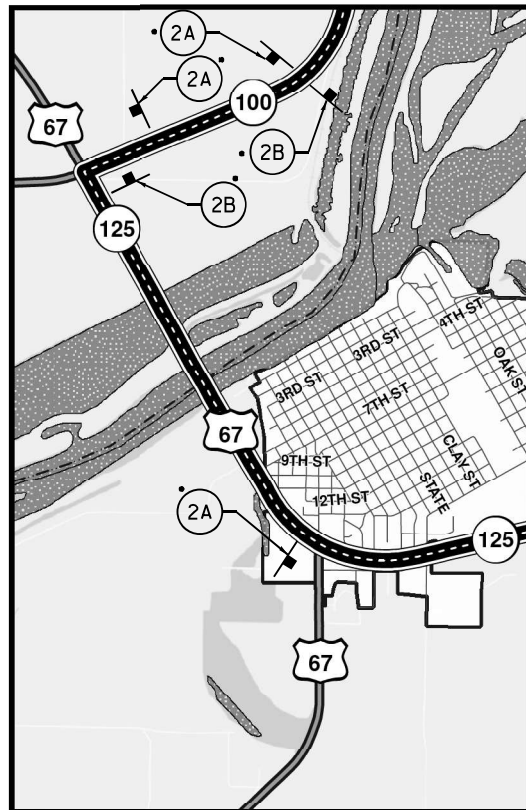
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 EX SN 063-7020 PR SN 063-7036
 SCALE: 20 SHEET 3 OF 3 SHEETS STA. 367+00.00 TO STA. 373+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(141)CR,CR-1	MASON	54	16
CONTRACT NO. 72F35			ILLINOIS FED. AID PROJECT	

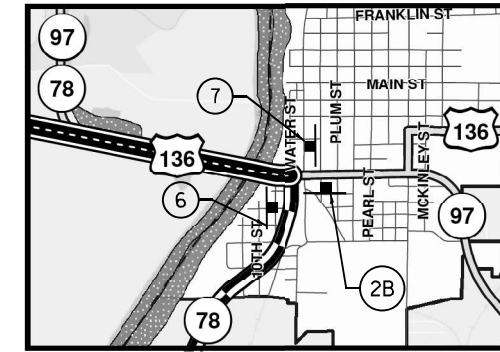
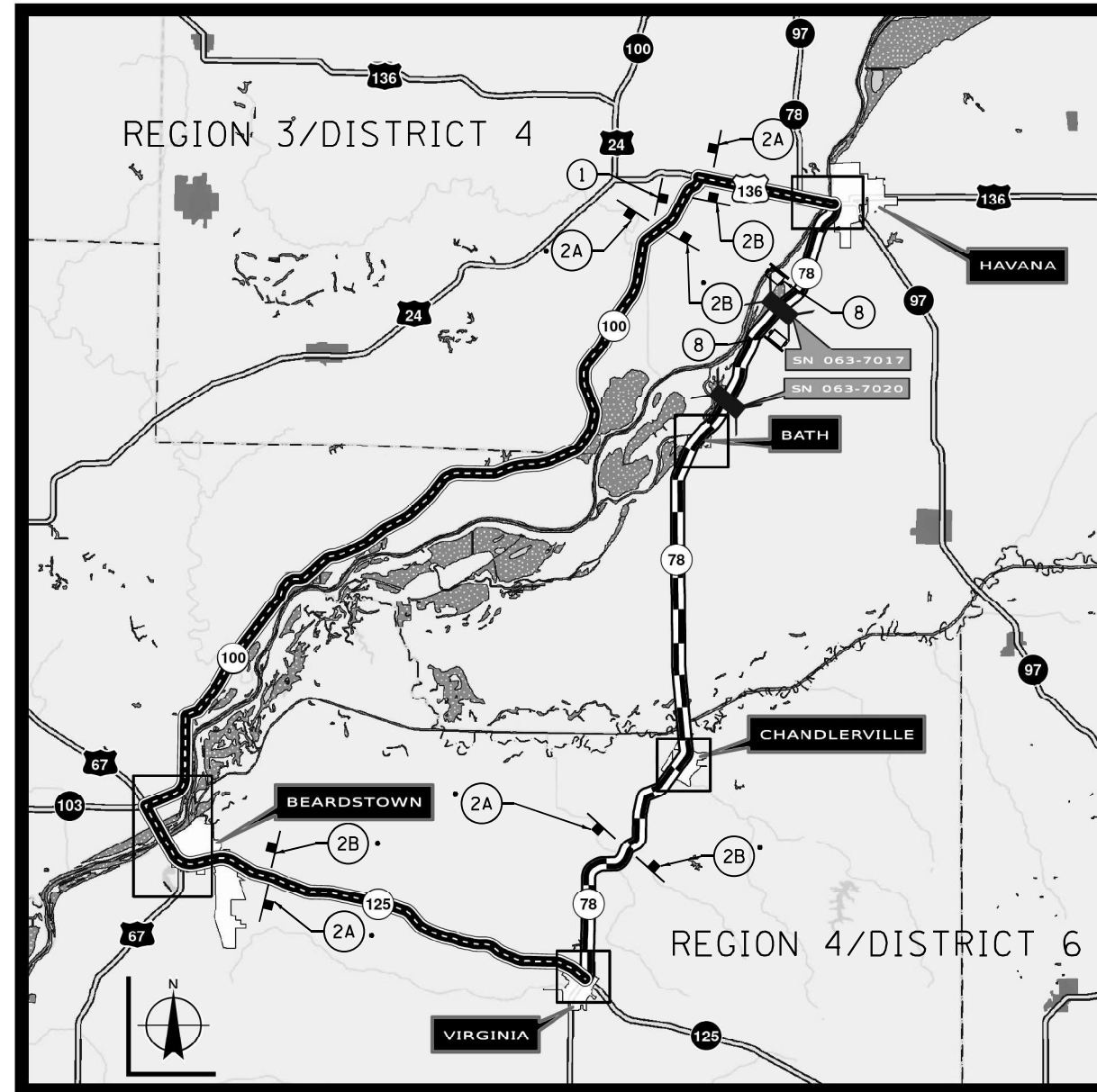
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	DATE -	REVISED -

456.24	456.27	456.31	456.34	456.38	456.41	456.43	456.46	456.47	456.48	456.52	456.56	456.58	456.57	456.57	456.58	456.59	456.61	456.61	456.64	456.64	456.64	456.64	456.66	456.69	456.72	456.76	456.80	456.83	456.86	456.89
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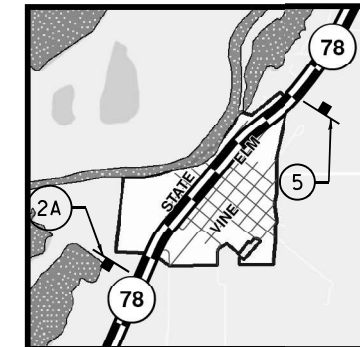
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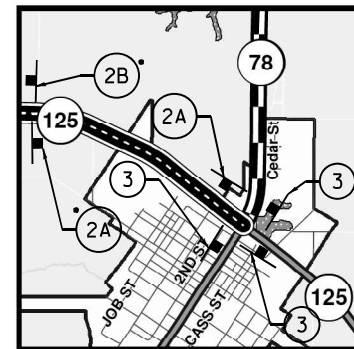
BEARDSTOWN



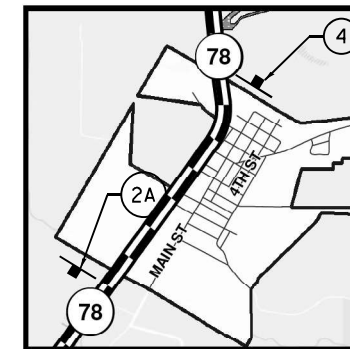
HAVANA



BATH



VIRGINIA



CHANDLERVILLE

LEGEND

IL STATE ROUTE 78 - CLOSED
 IL STATE ROUTE - DETOUR (APPROX. 47.5 MILES 54 MINS)

SEE SHEET 20 FOR SIGN DETAILS

MODEL: Default
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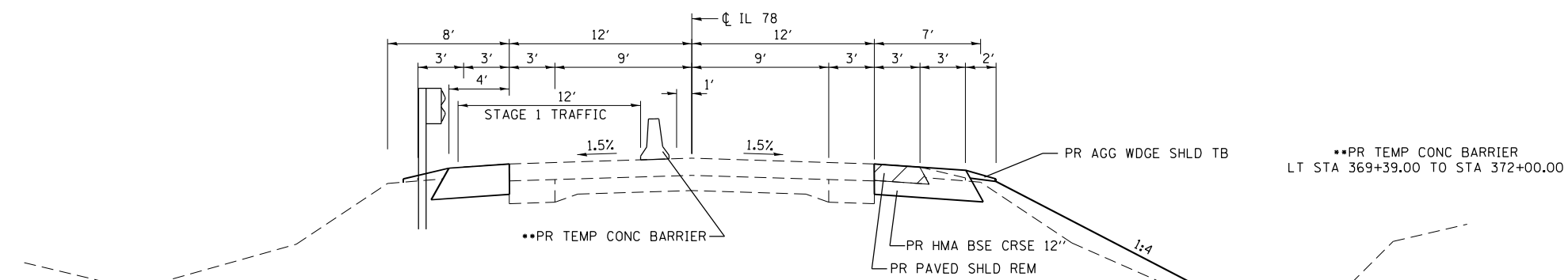
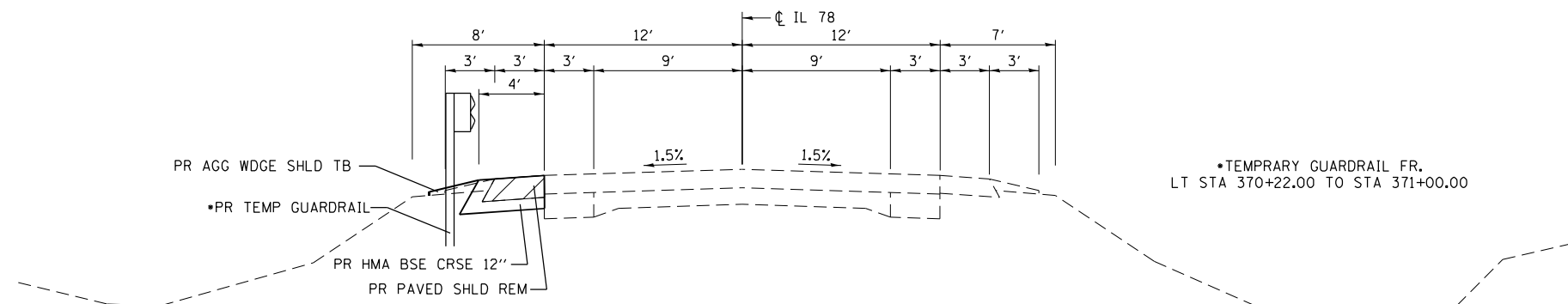
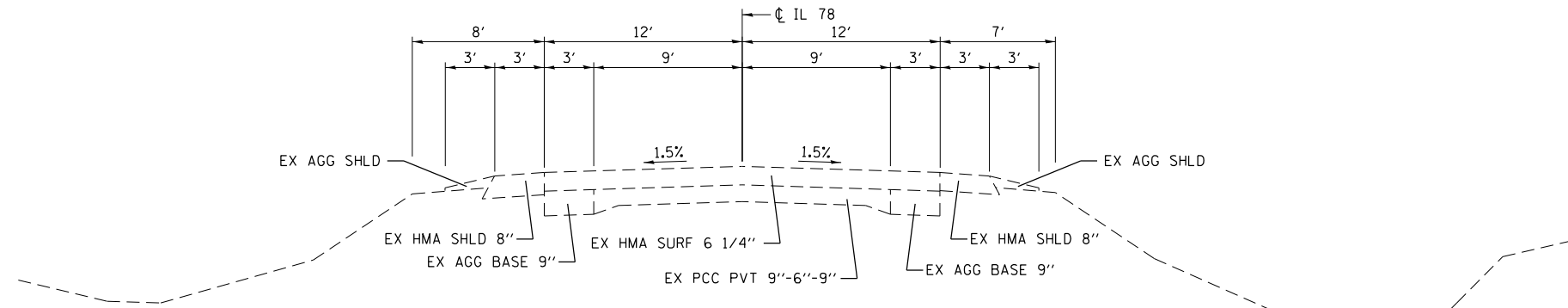
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PLOT DATE = 8/20/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETOUR PLAN - SN 063-7035

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(141)CR,CR-1	MASON	54	17
CONTRACT NO. 72F35				
ILLINOIS FED. AID PROJECT				



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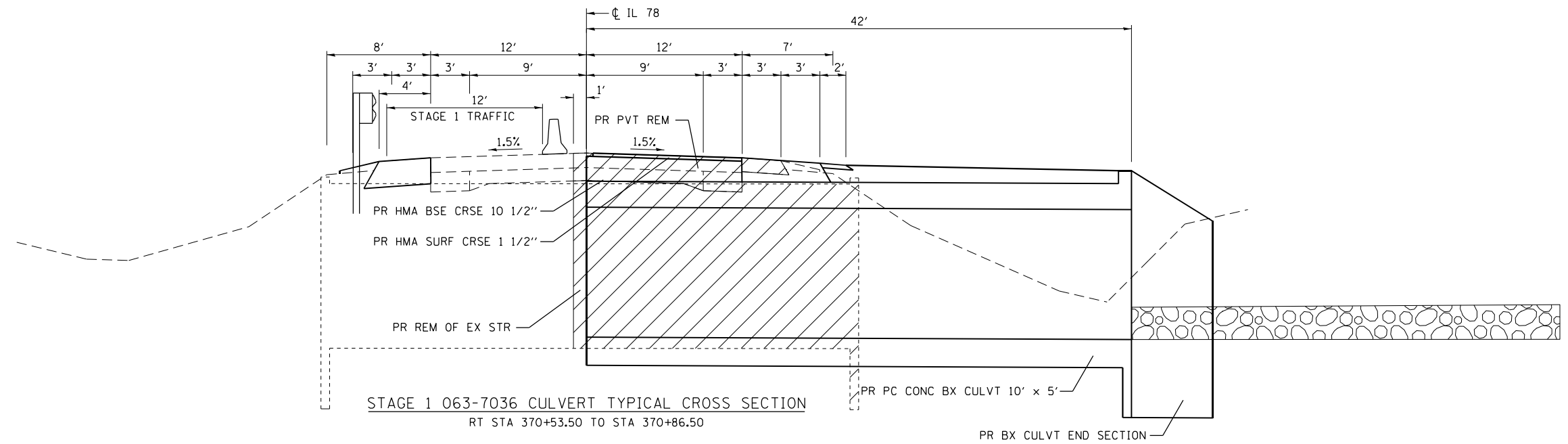
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

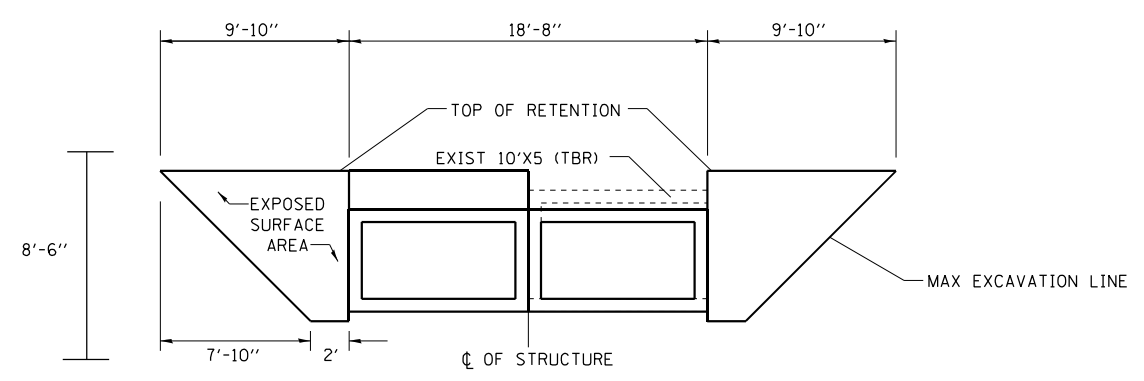
**PRE-STAGE 1 & STAGE 1 TYPICAL SECTIONS
FOR EX 063-7020 PR SN 063-7036**

SCALE: 5 SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(141)CR,CR-1	MASON	54	19
				CONTRACT NO. 72F35
ILLINOIS FED. AID PROJECT				



STAGE 1 063-7036 CULVERT TYPICAL CROSS SECTION
RT STA 370+53.50 TO STA 370+86.50



TEMPORARY SOIL RETENTION SYSTEM

MODEL Stage 1
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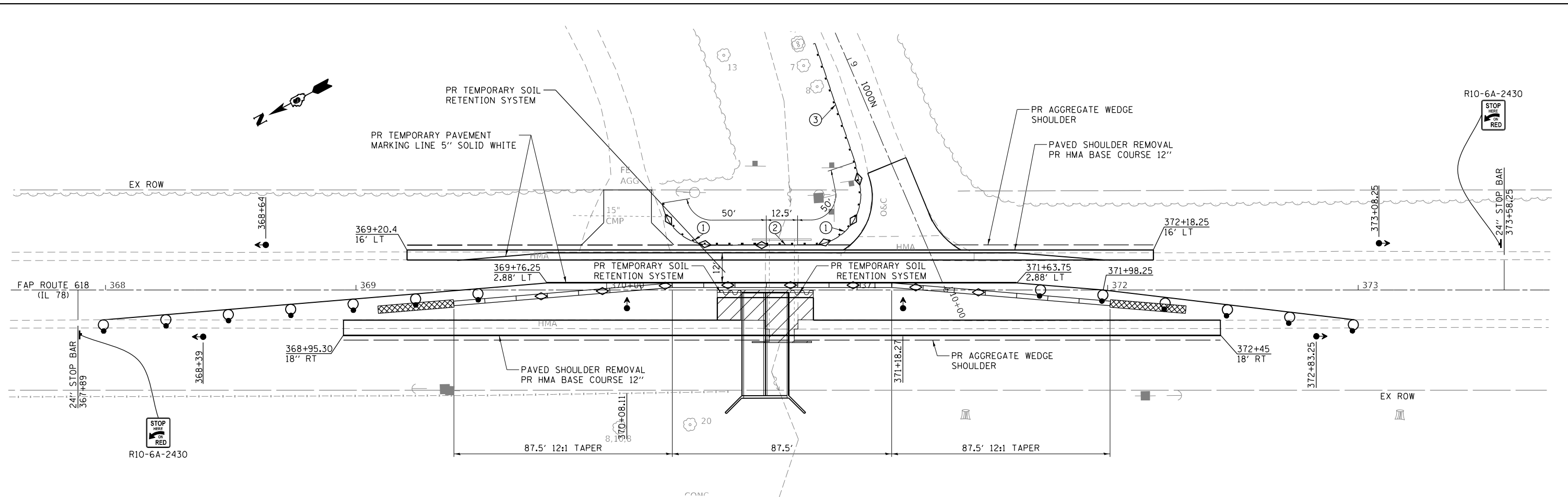
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PLOT DATE = 8/20/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 1 TYPICAL SECTIONS
FOR EX SN 063-7020 PR SN 063-7036

SCALE: 5 SHEET 2 OF 3 SHEETS STA. TO STA.

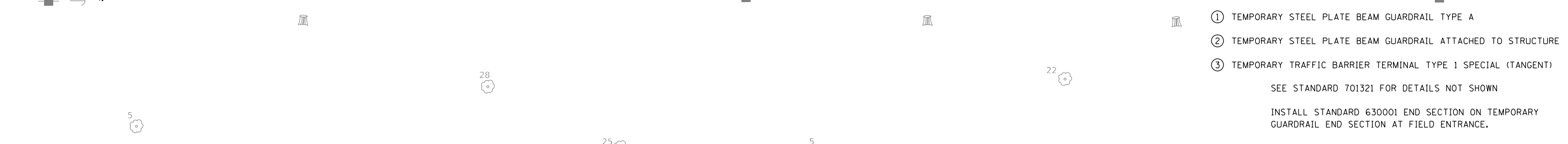
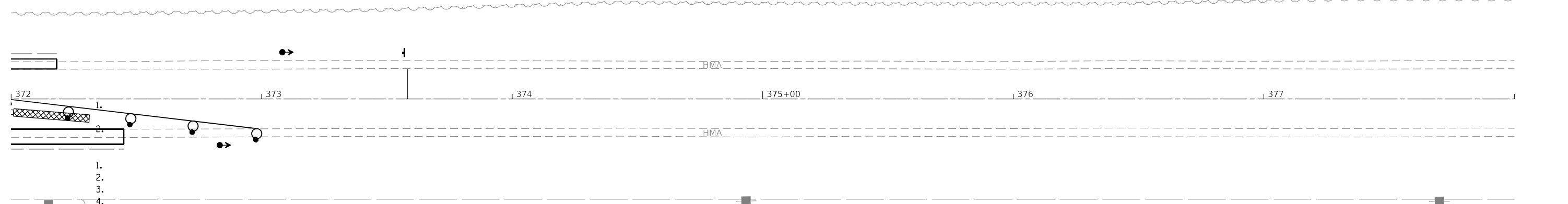
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(141)CR,CR-1	MASON	54	20
			CONTRACT NO. 72F35	
		ILLINOIS FED. AID PROJECT		



SEQUENCE OF OPERATIONS

PRE-STAGE 1
 REMOVE PAVED SHOULDER LT STA 369+20.40 TO STA 372+18.25 AND CONSTRUCT HMA BASE COURSE 12" AND AGGREGATE WEDGE SHOULDER.
 INSTALL TEMPORARY GUARDRAIL AND TERMINAL.

STAGE 1
 INSTALL TRAFFIC CONTROL DEVICES AND ACTIVATE TEMPORARY BRIDGE TRAFFIC SIGNALS.
 REMOVE STAGE 1 PORTION OF PAVEMENT AND EXISTING BOX CULVERT.
 CONSTRUCT STAGE 1 PORTION OF PROPOSED BOX CULVERT AND REPLACE PAVEMENT.
 REMOVE PAVED SHOULDER RT STA 368+95.30 TO STA 372+45.00 AND CONSTRUCT HMA 12" BASE COURSE AND AGGREGATE WEDGE SHOULDERS.



- SYMBOLS**
- Work area
 - Sign
 - Type III barricade
 - Traffic signal
 - Impact attenuator
 - Drum with steady burning bi-directional light
 - Temporary concrete barrier
 - Double vertical panel (see detail)
 - Crystal, bidirectional barrier wall/guardrail marker

- ① TEMPORARY STEEL PLATE BEAM GUARDRAIL TYPE A
 - ② TEMPORARY STEEL PLATE BEAM GUARDRAIL ATTACHED TO STRUCTURE
 - ③ TEMPORARY TRAFFIC BARRIER TERMINAL TYPE 1 SPECIAL (TANGENT)
- SEE STANDARD 701321 FOR DETAILS NOT SHOWN
- INSTALL STANDARD 630001 END SECTION ON TEMPORARY GUARDRAIL END SECTION AT FIELD ENTRANCE.

MODEL Stage 1
 FILE NAME: p:\projects\dw\beadby.com\PIV\DOT\Documents\DOT Office\Directr. E:\Projects\0672735\CADD\DW\0672735-sth-02-01-stage1.dgn

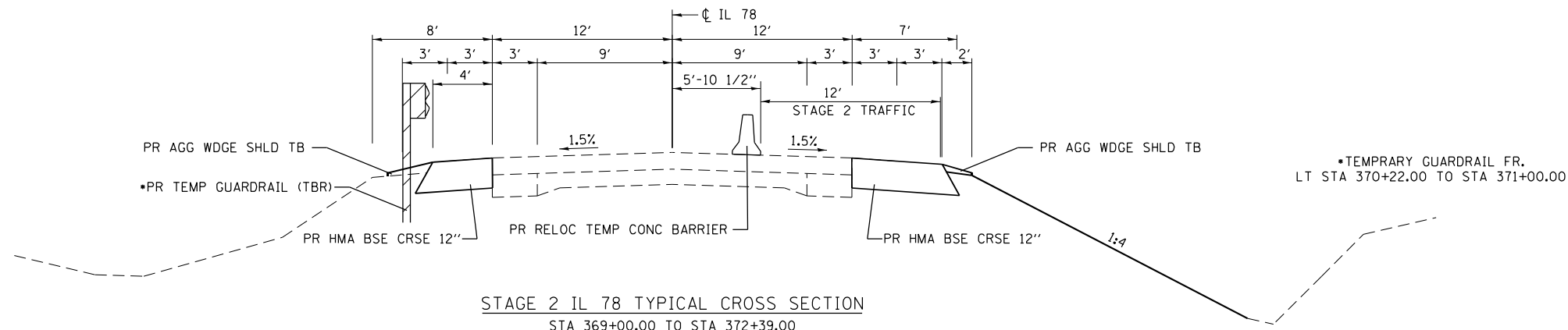
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PLOT DATE = 8/20/2021	DATE -	REVISOR -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

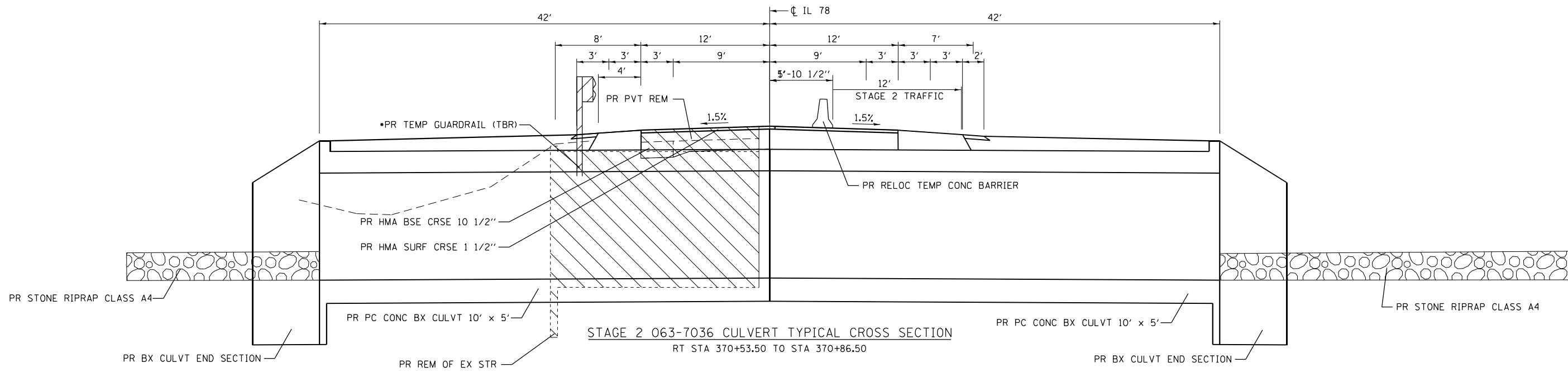
STAGE 1 MAINTENANCE OF TRAFFIC
EX SN 063-7020 PR SN 063-7020

SCALE: 20 SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(141)CR,CR-1	MASON	54	21
CONTRACT NO. 72F35				
ILLINOIS FED. AID PROJECT				



STAGE 2 IL 78 TYPICAL CROSS SECTION
STA 369+00.00 TO STA 372+39.00



STAGE 2 063-7036 CULVERT TYPICAL CROSS SECTION
RT STA 370+53.50 TO STA 370+86.50

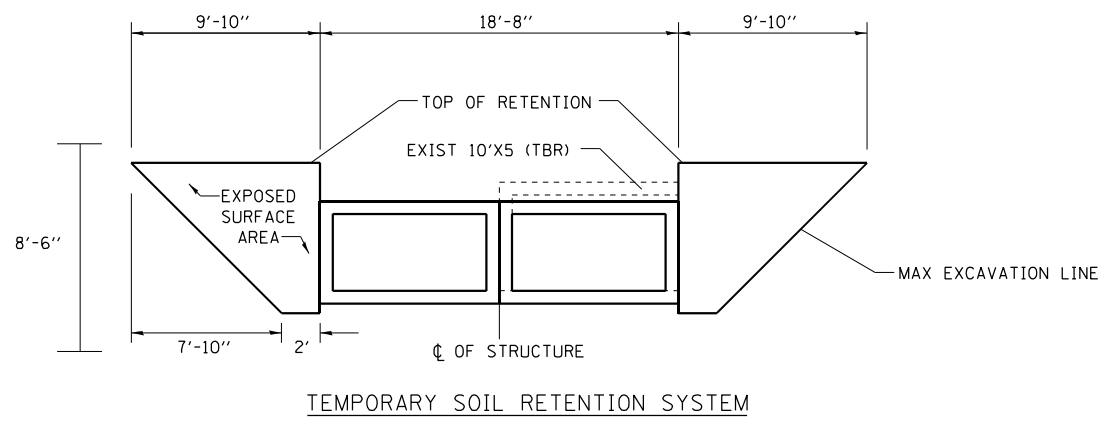
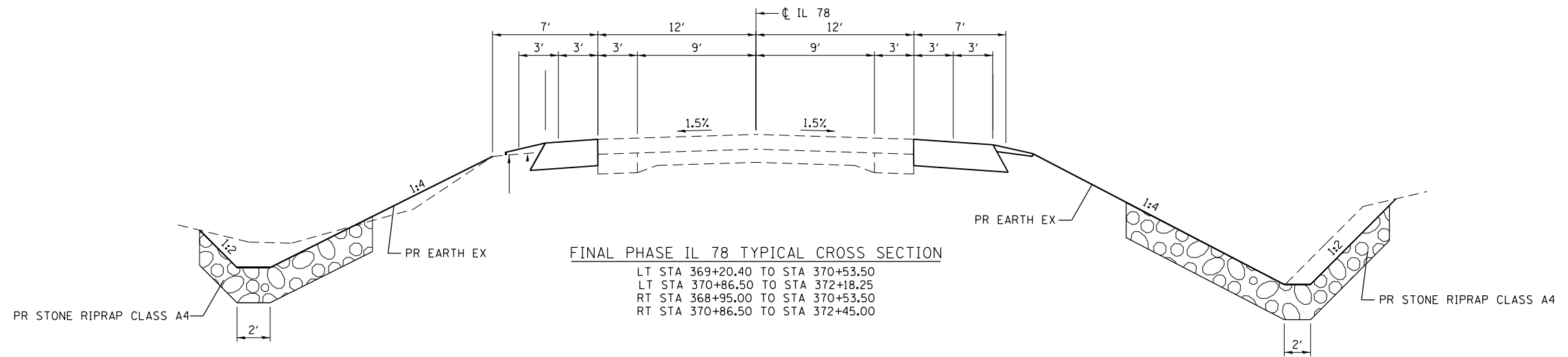
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PLOT DATE = 8/20/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 2 TYPICAL SECTIONS FOR EX SN 063-7020 PR SN 063-7036			
SCALE: 5	SHEET 1	OF 3 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(141)CR,CR-1	MASON	54	22
CONTRACT NO. 72F35			ILLINOIS FED. AID PROJECT	



MODEL: Stage 1
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

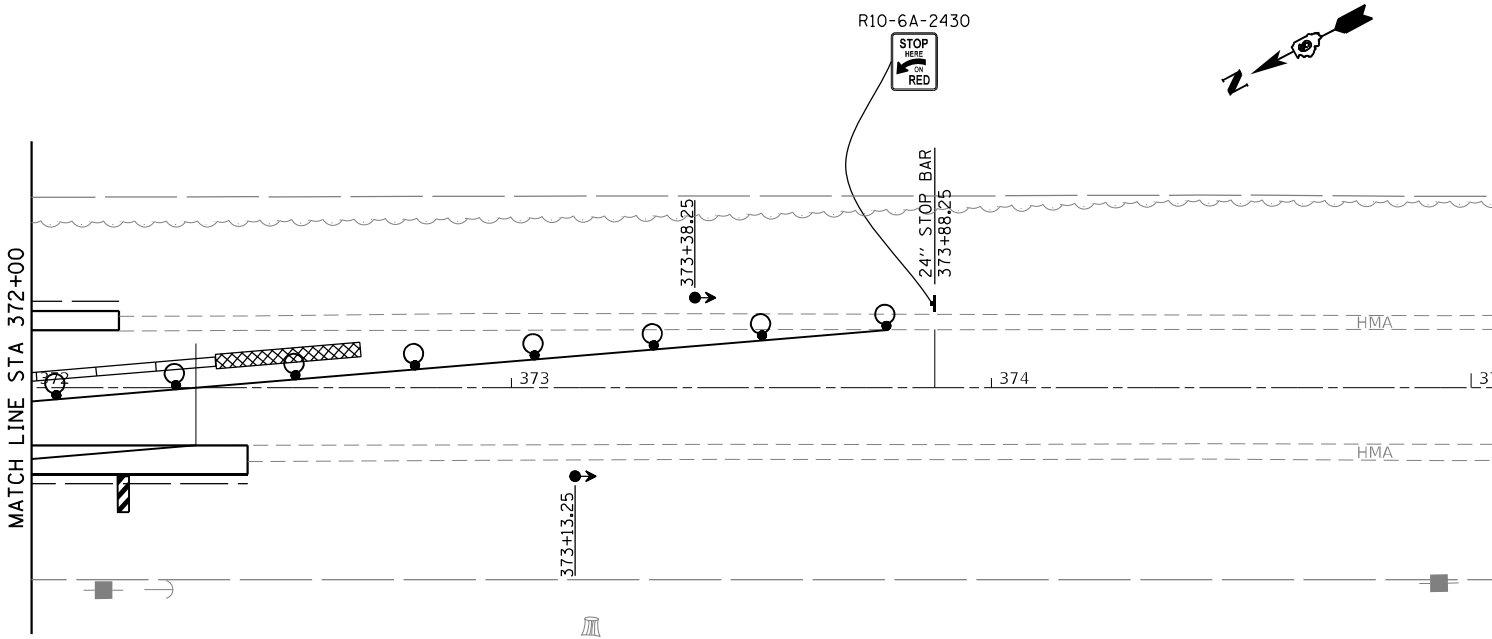
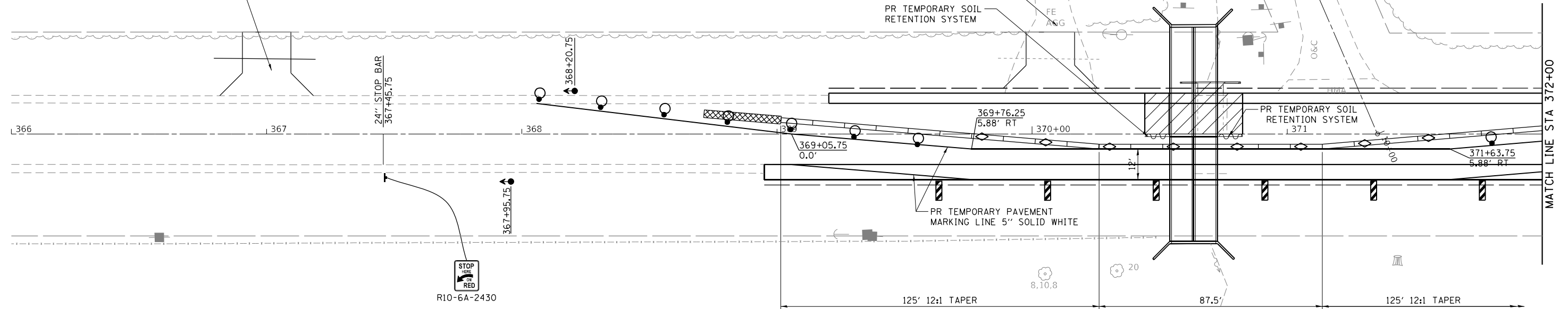
STAGE 2 TYPICAL SECTIONS FOR EX SN 063-7020 PR SN 063-7036			
SCALE: 5	SHEET 2	OF 3 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(141)CR,CR-1	MASON	54	23
				CONTRACT NO. 72F35
				ILLINOIS FED. AID PROJECT

STA 367+00.00 LT
 PR AGG FOR TEMP ACCESS
 PR PIPE CULVT CD T1 15" (TEMP)

ENTRANCE TO BE
 CLOSED DURING
 STAGE 2

**ROAD
 CLOSED**
 R11-2



SYMBOLS

- Work area
- Sign
- Type III barricade
- Traffic signal
- Impact attenuator
- Drum with steady burning bi-directional light
- Temporary concrete barrier
- Double vertical panel (see detail)
- Crystal, bidirectional barrier wall/guardrail marker

SEE STANDARD 701321 FOR DETAILS NOT SHOWN

ERECT TYPE III BARRICADES AS SHOWN ON
 STANDARD 701901 "ROAD CLOSED TO THRU
 TRAFFIC" DETAIL ON 1000N AT CH 1

SEQUENCE OF OPERATIONS

STAGE 2

1. RELOCATE TRAFFIC CONTROL DEVICES AND CLOSE 1000N.
2. REMOVE TEMPORARY GUARDRAIL AND STAGE 2 PORTION OF PAVEMENT AND BOX CULVERT.
3. CONSTRUCT STAGE 2 PORTION OF BOX CULVERT AND REPLACE PAVEMENT.
4. REMOVE TRAFFIC CONTROL DEVICES AND OPEN IL 78 AND 1000N TO TRAFFIC.

FINAL PHASE

1. COMPLETE EARTH WORK AND SEEDING.
2. INSTALL PAVEMENT MARKINGS.

MODEL Stage 1
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PLOT DATE = 8/20/2021	DATE -	REVISION -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**STAGE 2 MAINTENANCE OF TRAFFIC
 FOR EX SN 063-7020 PR SN 063-7036**

SCALE: 20 SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(141)CR,CR-1	MASON	54	24
CONTRACT NO. 72F35				
ILLINOIS FED. AID PROJECT				

LEGEND FOR EROSION CONTROL PLAN

ITEM	SYMBOL
TEMPORARY DITCH CHECK	◆
INLET PIPE PROTECTION	◊
PERAMETER EROSION BARRIER	—

SEC 4 T20N R9W 3RD PM
 BRENDA HERIFORD
 JOHN HERIFORD
 16-04-300-005-0021

SEC 8 T20N R9W 3RD PM

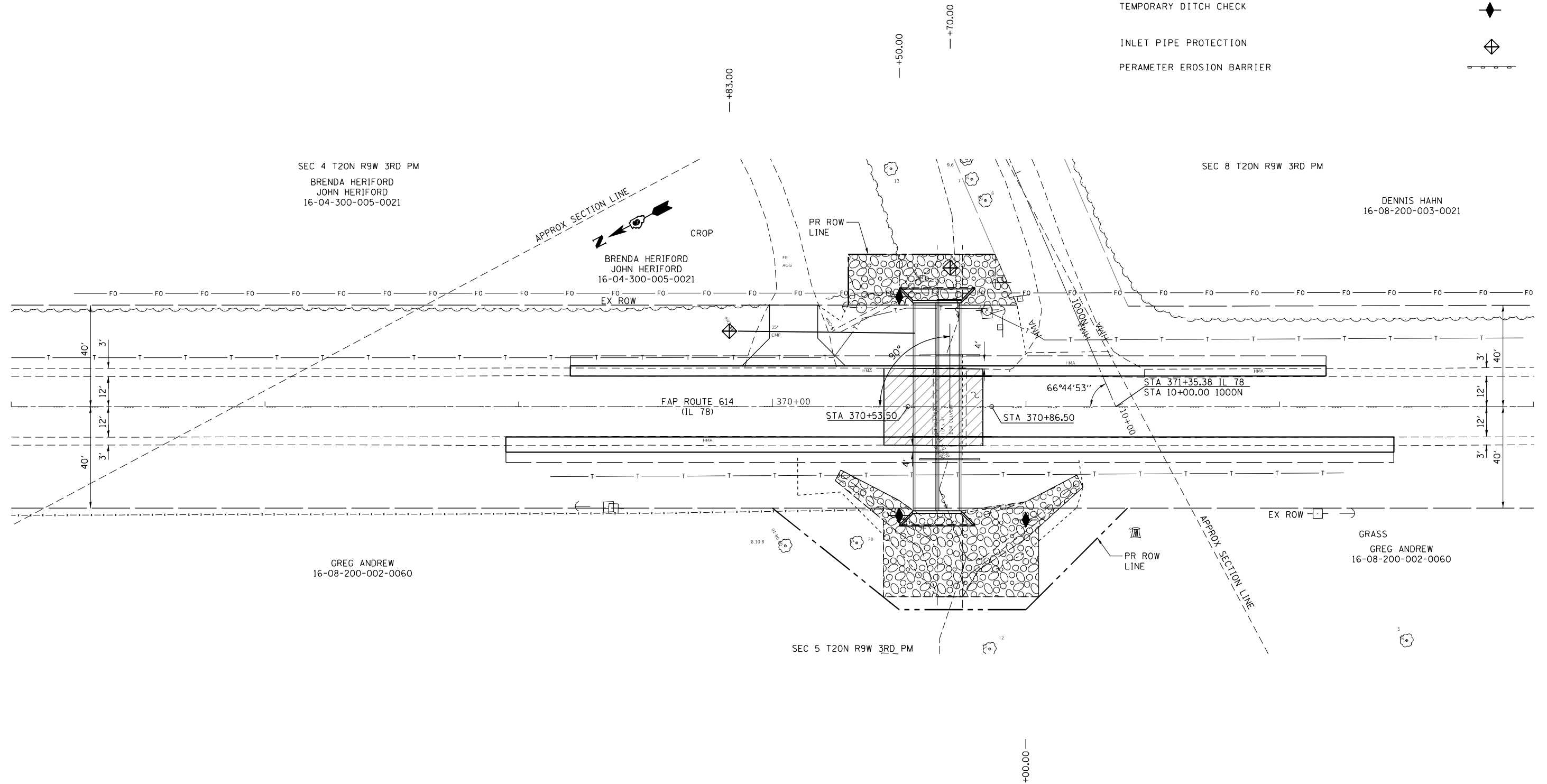
DENNIS HAHN
 16-08-200-003-0021

BRENDA HERIFORD
 JOHN HERIFORD
 16-04-300-005-0021

GREG ANDREW
 16-08-200-002-0060

GRASS
 GREG ANDREW
 16-08-200-002-0060

SEC 5 T20N R9W 3RD PM



MODEL: Default
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PLOT DATE = 8/20/2021	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN			
EX SN 063-7020 PR SN 063-7036			
SCALE:	SHEET 2	OF 2	SHEETS
	STA. 192+00.00	TO STA. 198+00.00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(141)CR,CR-1	MASON	54	26
CONTRACT NO. 72F35				
		ILLINOIS	FED. AID PROJECT	

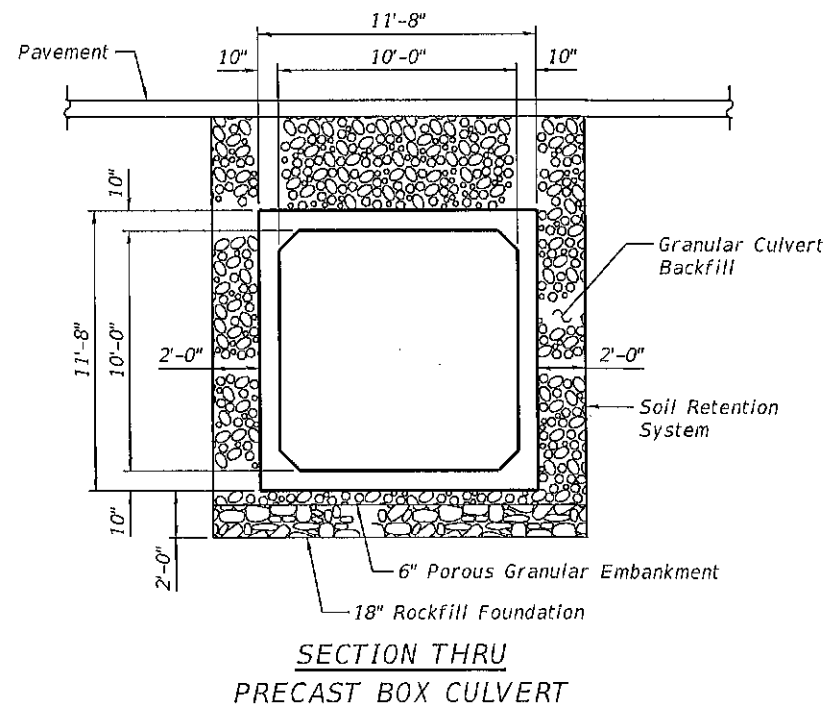
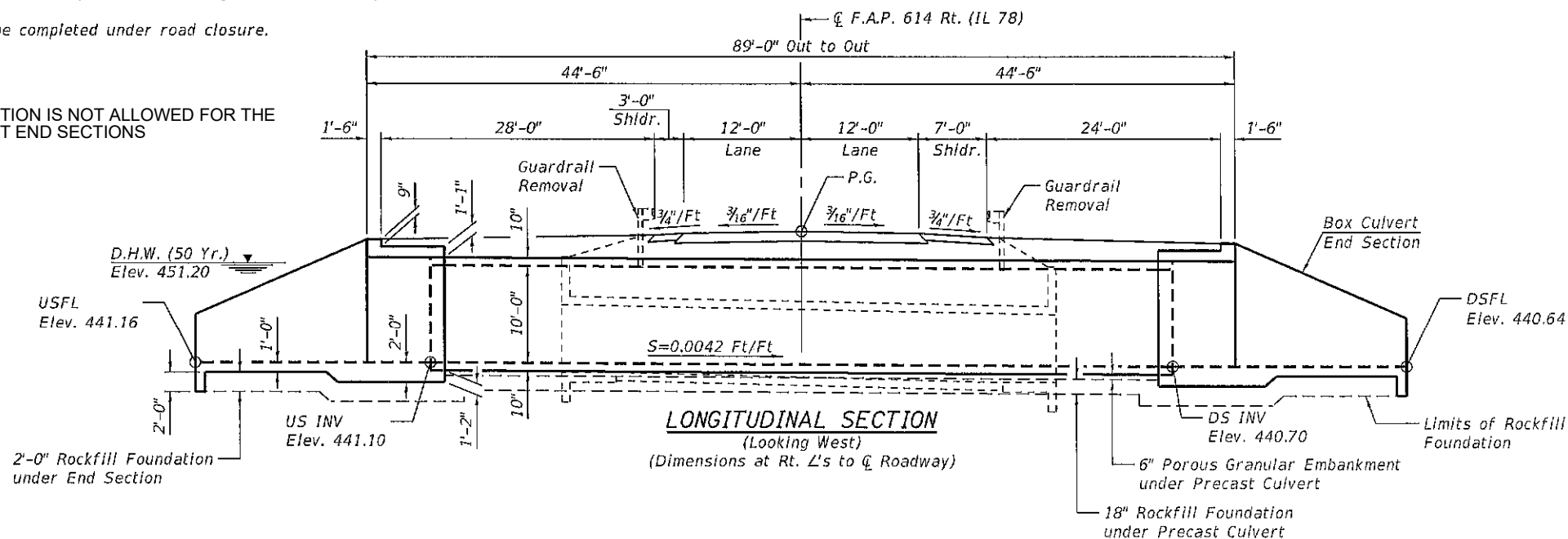
B.M. TA20: Chiseled square in top west end of south headwall @ 1.5 miles N.E. of TR 1200N & IL78, Sta. 195+00, 24.5' Lt., Elev. 452.111.

Existing Structure: S.N. 063-7017, constructed in 1930 as SBI Route 78, Section 141 at Sta. 194+93. The existing structure is a single barrel 10'-0" x 7'-0" R.C. box culvert with a culvert length of ±58'-6". The existing structure will be removed and replaced with a single barrel 10'x10' precast concrete box culvert.

Project will be completed under road closure.

No Salvage.

PRECAST OPTION IS NOT ALLOWED FOR THE BOX CULVERT END SECTIONS



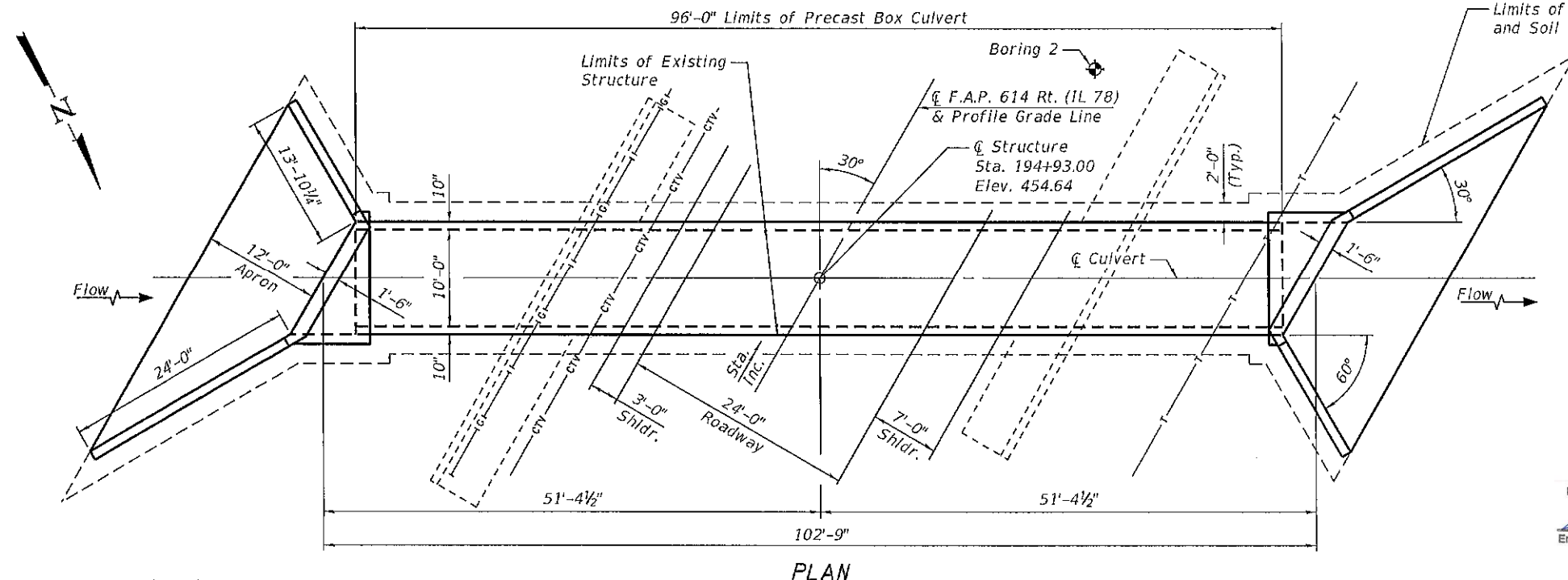
STATION 194+93.00
 BUILT 20 BY
 STATE OF ILLINOIS
 F.A.P. 614 SEC. (141)CR, CR-1
 LOADING HL-93
 STR. NO. 063-7035

NAME PLATE
 See Std. 515001

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Removal of Existing Structures	Each	1
Name Plates	Each	1
Box Culvert End Sections, Culvert No.	Each	2
Precast Concrete Box Culverts, 10'x10'	Foot	96
Soil Retention System	L Sum	1
Rockfill-Foundation	Ton	315
Granular Culvert Backfill	Cu. Yd.	150

APPROVED
 For Structural Adequacy Only
 Michael D. Cummins
 Engineer of Bridges & Structures



PLAN

DESIGN SPECIFICATIONS

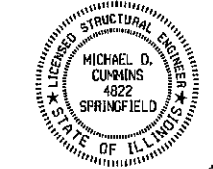
2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

LOADING HL-93
 (NEW CONSTRUCTION)

Allow 50#/sq. ft. for future wearing surface.

DESIGN STRESSES

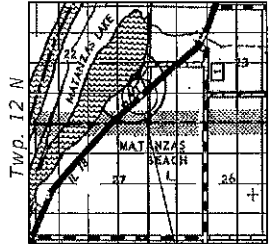
FIELD & EXISTING UNITS
 $f'_c = 3,500$ psi (Substructure)
 $f_y = 60,000$ psi (Reinforcement)



Michael D. Cummins
 9/29/21
 (Expires 11/30/22)

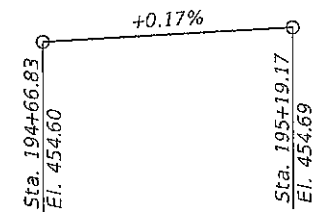
GENERAL PLAN
 F.A.P. 614 (IL 78) OVER DITCH
 SECTION (141)CR, CR-1
 MASON COUNTY
 STA 194+93.00
 STRUCTURE NO. 063-7035

Range 9 W, 3rd. P.M.



Proposed Structure
 LOCATION SKETCH

Boring 1



PROFILE GRADE
 (C/L F.A.P. Route 614)

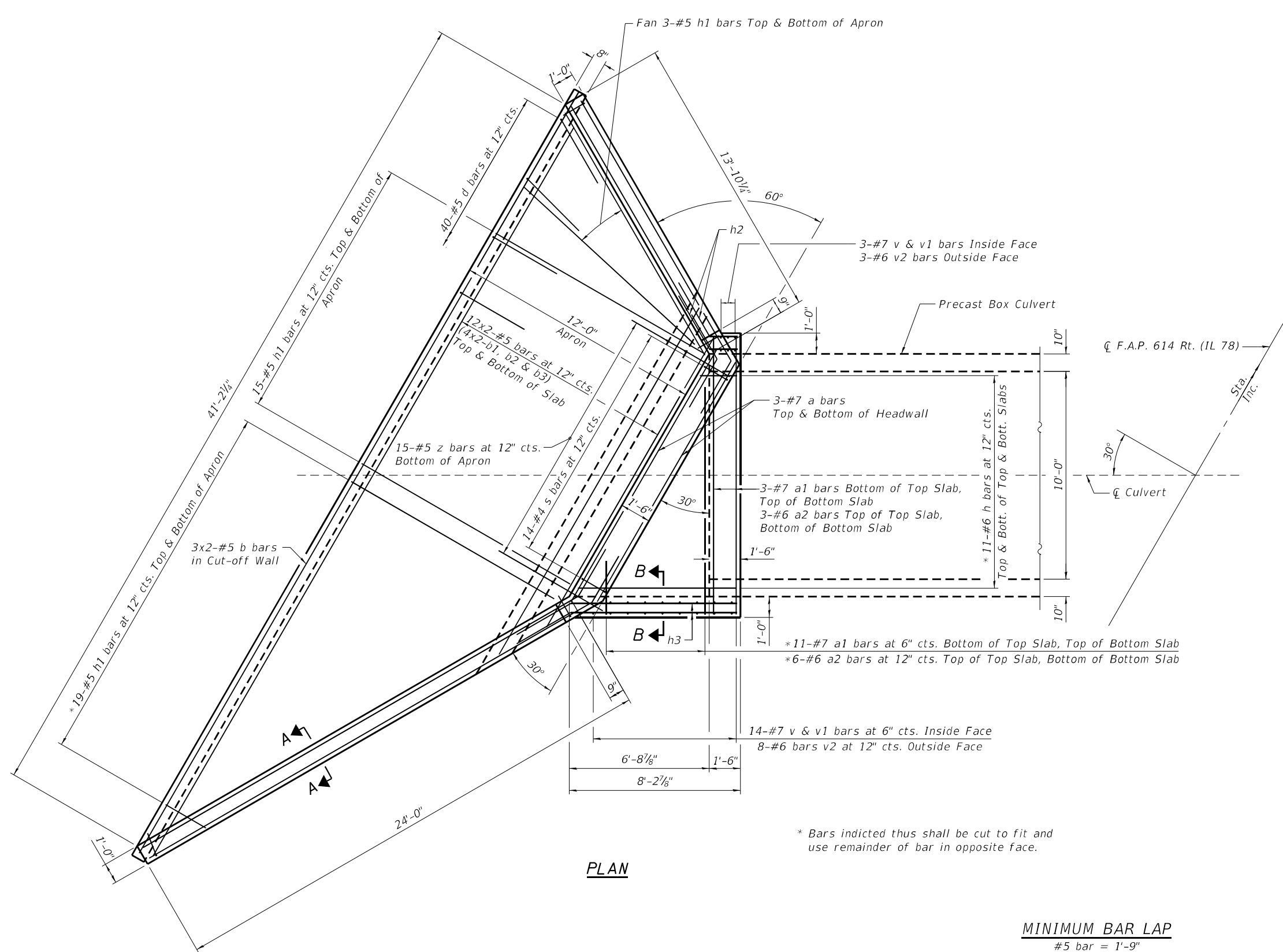


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FILE = 72F38-27-BPE.dgn	CHECKED - AAN	REVISED -
DATE = 9/30/2021	DRAWN - SJS	REVISED -
	CHECKED - MDC	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
 STRUCTURE NO. 063-7035
 SHEET NO. 1 OF 3 SHEETS

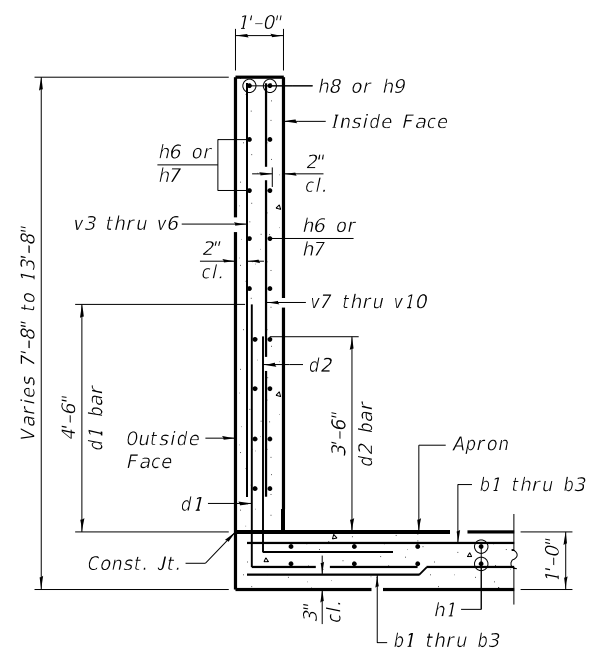
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(141)CR, CR-1	MASON	54	27
			CONTRACT NO. 72F35	
ILLINOIS FED. AID PROJECT				



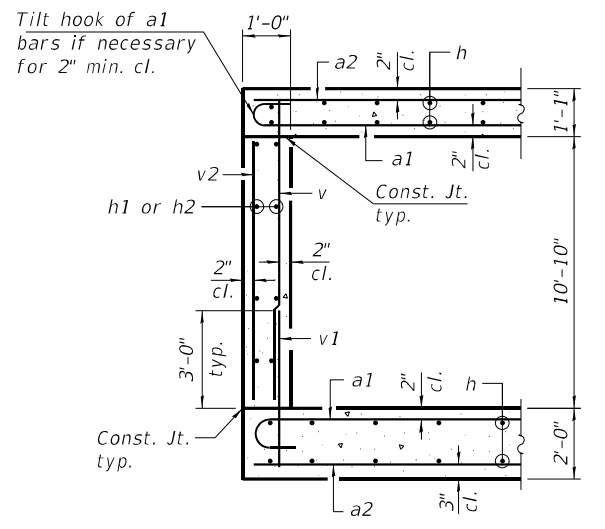
PLAN

* Bars indicated thus shall be cut to fit and use remainder of bar in opposite face.

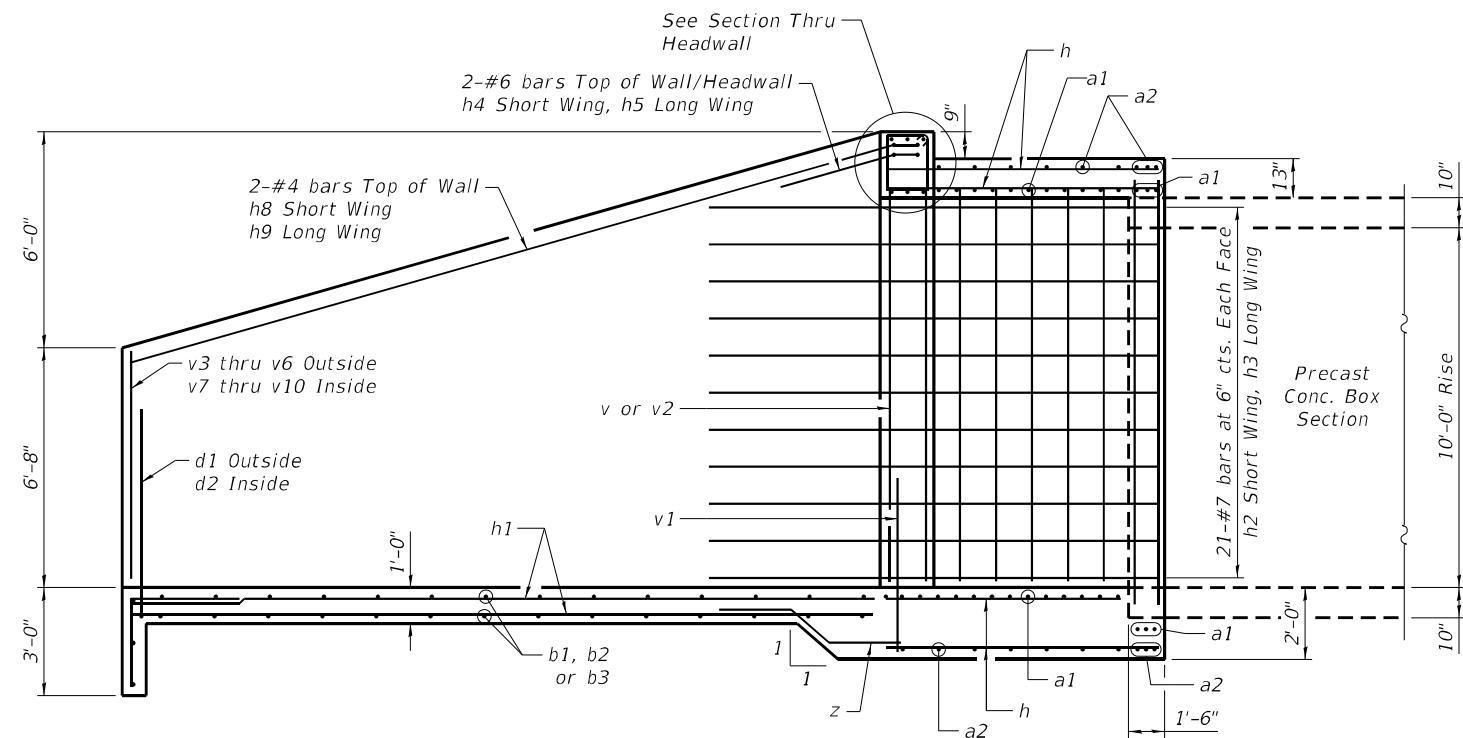
MINIMUM BAR LAP
#5 bar = 1'-9"



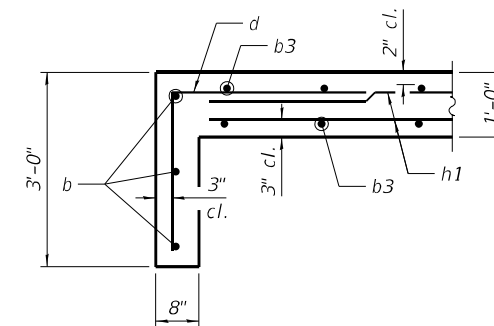
**SECTION A-A
WINGWALL**



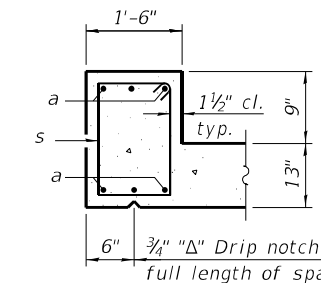
**SECTION B-B
CULVERT EXTENSION**



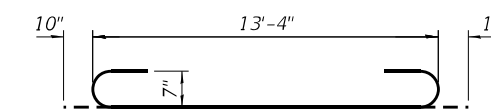
HALF SIDE ELEVATION



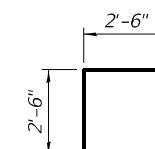
SECTION THRU CUT-OFF WALL



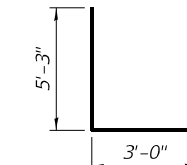
SECTION THRU HEADWALL



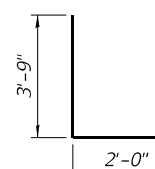
BAR a1



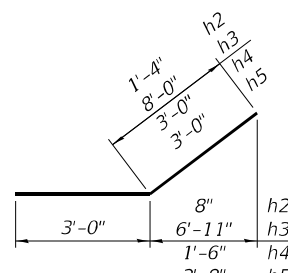
BAR d



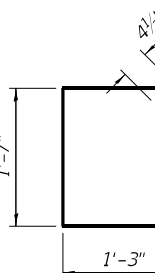
BAR d1



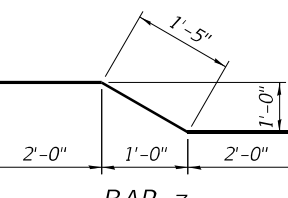
BAR d2



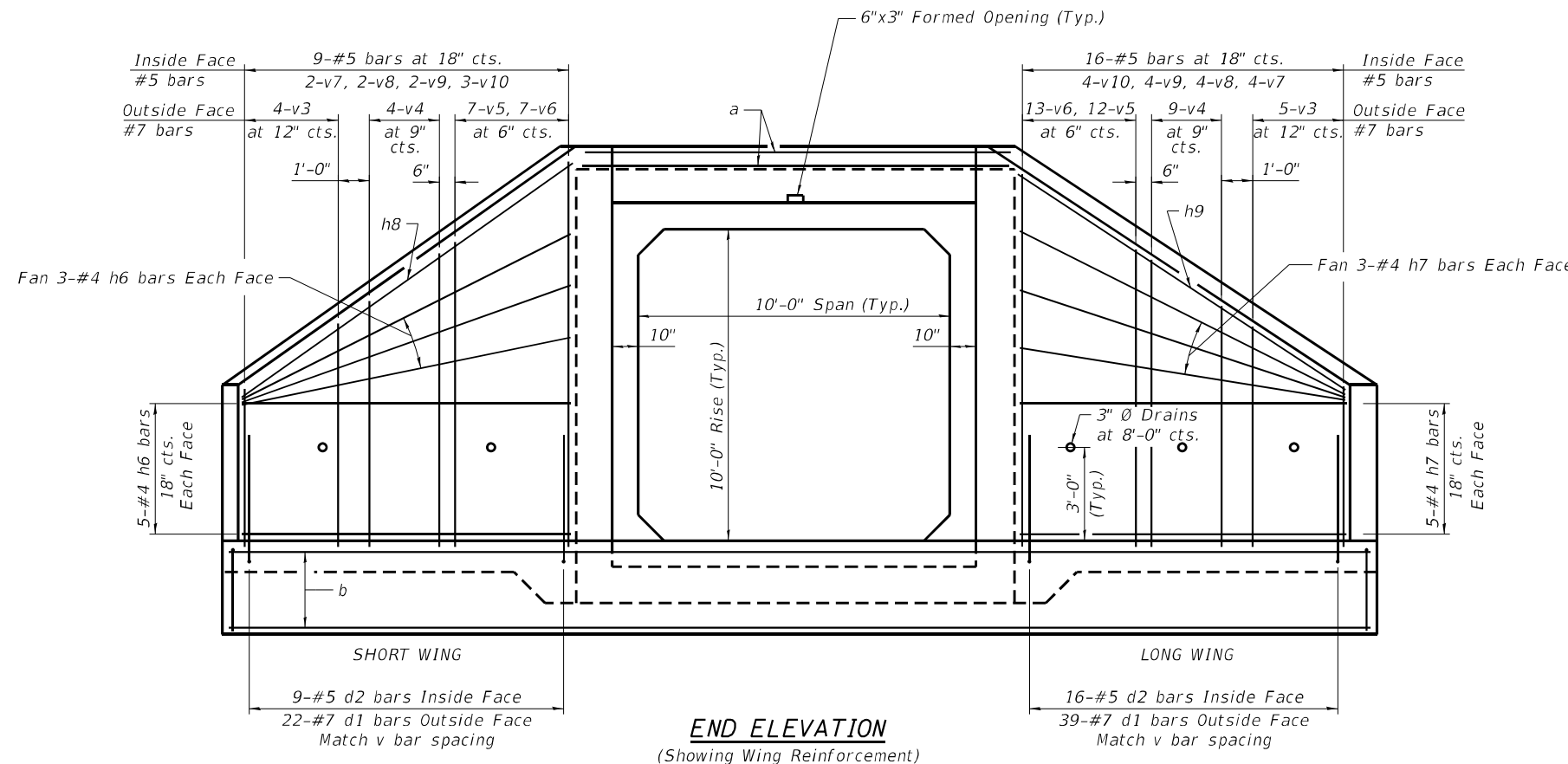
BAR h5



BAR s



BAR z



END ELEVATION

(Showing Wing Reinforcement)

**FOR ONE END SECTION
BILL OF MATERIAL**

(Quantities given for information only)

Bar	No.	Size	Length	Shape
a	6	#7	13'-6"	—
a1	17	#7	15'-0"	U
a2	12	#6	13'-4"	—
b	6	#5	22'-2"	—
b1	16	#5	12'-7"	—
b2	16	#5	17'-3"	—
b3	16	#5	21'-11"	—
d	40	#5	5'-0"	L
d1	61	#7	8'-3"	L
d2	25	#5	5'-9"	L
h	22	#6	8'-0"	—
h1	55	#5	11'-9"	—
h2	42	#7	4'-4"	—
h3	42	#7	11'-0"	—
h4	2	#6	6'-0"	—
h5	2	#6	6'-0"	—
h6	16	#4	13'-6"	—
h7	16	#4	23'-8"	—
h8	2	#4	14'-9"	—
h9	2	#4	24'-5"	—
s	14	#4	6'-5"	□
v	17	#7	11'-8"	—
v1	17	#7	4'-9"	—
v2	11	#6	10'-6"	—
v3	9	#7	6'-5"	—
v4	13	#7	7'-11"	—
v5	19	#7	9'-5"	—
v6	20	#7	10'-11"	—
v7	6	#5	6'-5"	—
v8	6	#5	7'-11"	—
v9	6	#5	9'-5"	—
v10	7	#5	10'-11"	—
z	15	#5	5'-5"	—
Concrete Box Culverts	Cu. Yd.		42.5	
Reinforcement Bars	Pound		8310	

Benchmark: See Sheet 13 for Benchmark Information

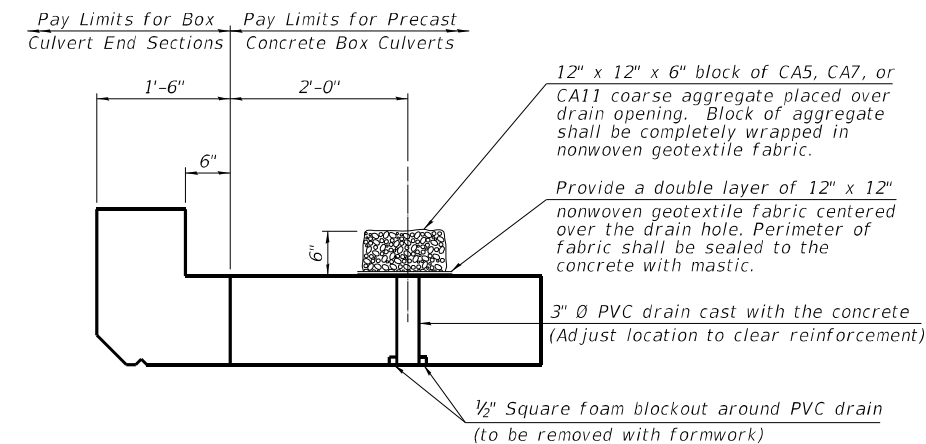
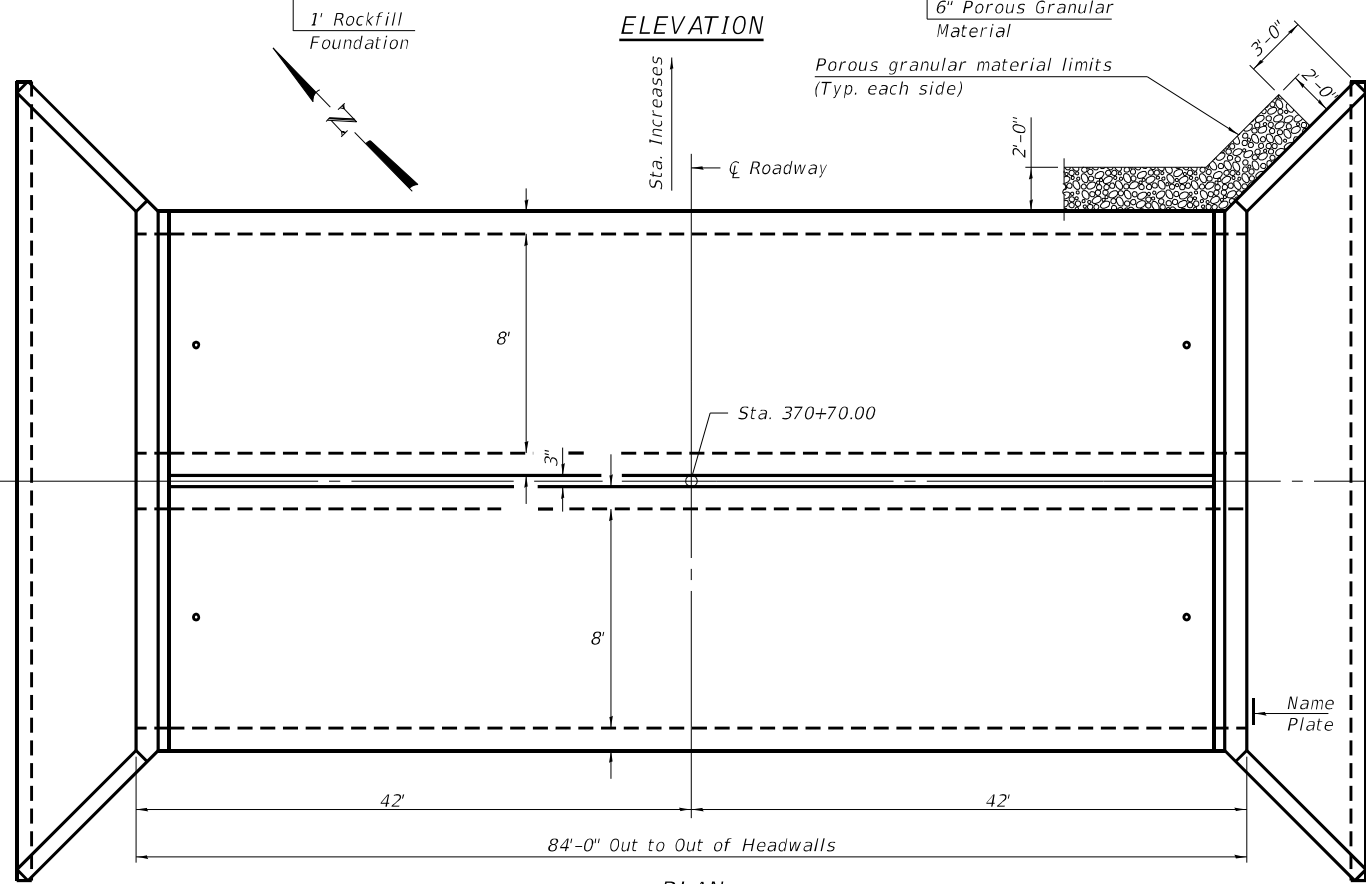
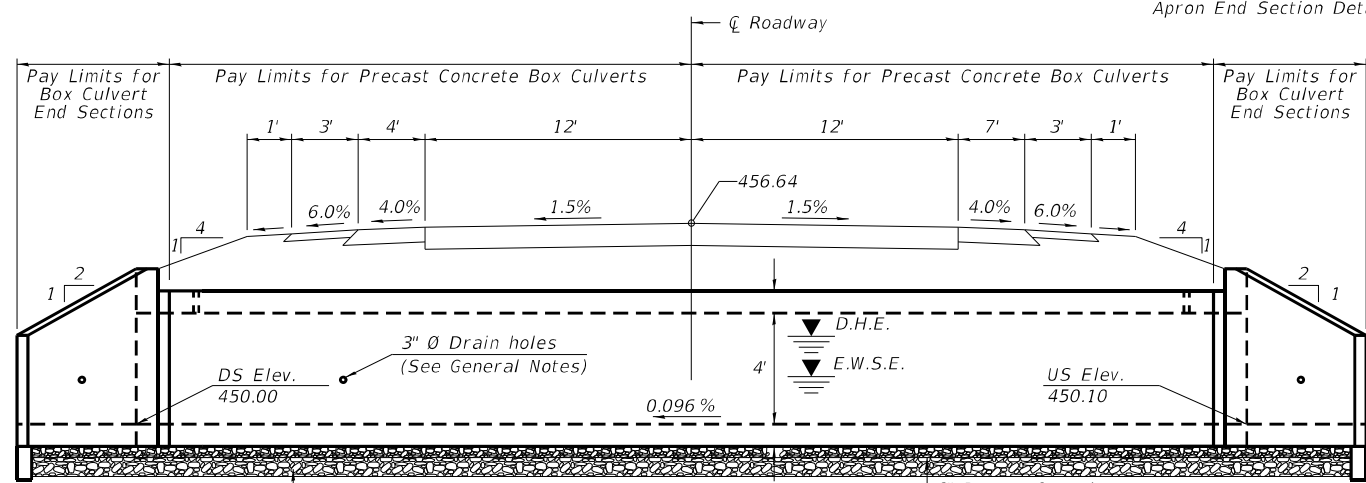
Existing Structure: S.N. 063-7020, constructed in 1930 as SBI Route 78, Section 141 at Sta. 370+70.00. The existing structure is a single barrel 10'-0" x 7'-0" R.C. box culvert with a culvert length of 41'. The existing structure will be removed and replaced with a double barrel 8' x 4' concrete box culvert.

INDEX OF SHEETS

- 1. General Plan and Elevation
- 2.-3. Multi-cell Precast Concrete Box Culvert Apron End Section Details

GENERAL NOTES

The design fill height for this box is 1.75 ft. The precast box culvert sections shall conform to the requirements of ASTM C 1577.
 Drain holes shall be provided on exterior culvert walls for each precast box segment with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specification.
 Nonwoven geotextile fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.
 Precast concrete box culverts and box culvert end sections shall be backfilled with Granular Culvert Backfill in the required excavation areas on the sides of the box culvert from the top of the box culvert to the bottom of the box culvert. This area is included in the Granular Culvert Backfill pay item. The 6-inch thick layer of porous granular material required under the precast concrete box culvert, according to Section 540.06 of the standard specifications, shall also apply to the end sections. Cost of this porous granular material will not be paid for separately but shall be included in the unit price of the work for which it is required.



DRAIN DETAIL

(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)

PROFILE GRADE

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications
 Customary U.S. Units, 9th Edition

LOADING HL-93

DESIGN STRESSES

PRECAST UNITS

$f'_c = 5,000$ psi
 $f_y = 65,000$ psi (Welded Wire Reinforcement)

FIELD UNITS

$f'_c = 3,500$ psi
 $f_y = 65,000$ psi (Welded Wire Reinforcement)

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Name Plates	Each	1
Box Culvert End Sections, Culvert No. 2	Each	2
Precast Concrete Box Culverts, 8 x 4	Foot	162
Rock Fill - Foundation	Ton	157
Waterproofing Membrane System	Sq Yd.	172
Removal of Existing Structures Culvert No. 2	Each	2
Granular Culvert Backfill	Cu Yd	65

WATERWAY INFORMATION

Drainage Area = 0.70 sq. mi.			Exist Overtop Elev. = 456.20 @ Sta. 375+44.00 Prop Overtop Elev. = 456.20 @ Sta. 375+44.00						
Flood	Freq. Yr.	DISCHARGE	Opening Sq. Ft.		Head - Ft.		Headwater El.		
			Exist.	Prop.	H.W.E.	Exist.	Prop.	Exist.	Prop.
Ten Year	10	96	32	50	454.0	1.50	0.10	455.5	454.1
Overtop Exist	35	143	40	51	455.6	0.60	0.30	456.2	455.9
Overtop Prop	50	155	40	51	456.1	0.30	0.30	456.4	456.4
Base	100	181	40	51	457.0	0.10	0.10	457.1	457.1
Max. Calc.	500	246	40	51	457.1	0	0	457.1	457.1

STA 370+70.00
 BUILT BY
 STATE OF ILLINOIS
 F.A.P. RT. 614 SEC. (141)CR, CR-1
 LOADING HL-93
 STR. NO. 063-7036

NAME PLATE
 See Std. 515001

GENERAL PLAN AND ELEVATION
IL RTE. 78 OVER DITCH
F.A.P 614 IL RTE. 78 SEC. (141)CR, CR-1
MASON COUNTY
STATION 370+70.00
S.N. 063-7036

DCB-GPE(MODIFIED) 7-23-2021

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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
SN 063-7036 STA 370+70.00

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 72F35				
ILLINOIS FED. AID PROJECT				

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 PLOT DATE = 10/4/2021

GENERAL NOTES

Box Culvert End Sections shall be constructed according to the requirements of Section 540 of the Standard Specifications except as modified herein. End sections will be paid for at the contract unit price per each for Box Culvert End Sections.

Box section dimensions, materials, and reinforcement details for Box Culvert End Sections shall be according to the requirements for ASTM C 1577 as required for the design of the portion of the culvert within the limits of Precast Concrete Box Culverts except as modified herein.

Details for Double Cell Box Culvert shown. Details for Triple Cell Box Culvert similar.

The details contained herein are for constructing the end sections using cast-in-place (CIP) construction. The Contractor may propose to furnish the end sections using precast construction methods and the end sections may consist of multiple precast concrete segments. The Contractor shall be responsible for determining all details associated with the precast option including any strengthening or stiffening provisions necessary for handling the precast segments. Conceptual details followed by shop drawings and design calculations sealed by an Illinois Licensed Structural Engineer shall be submitted to the Engineer for review and approval. Elements of the precast option shall at a minimum result in the same wingwall geometry and not have a thickness less than that detailed herein. The option to construct the end sections using precast construction methods shall be at no additional charge.

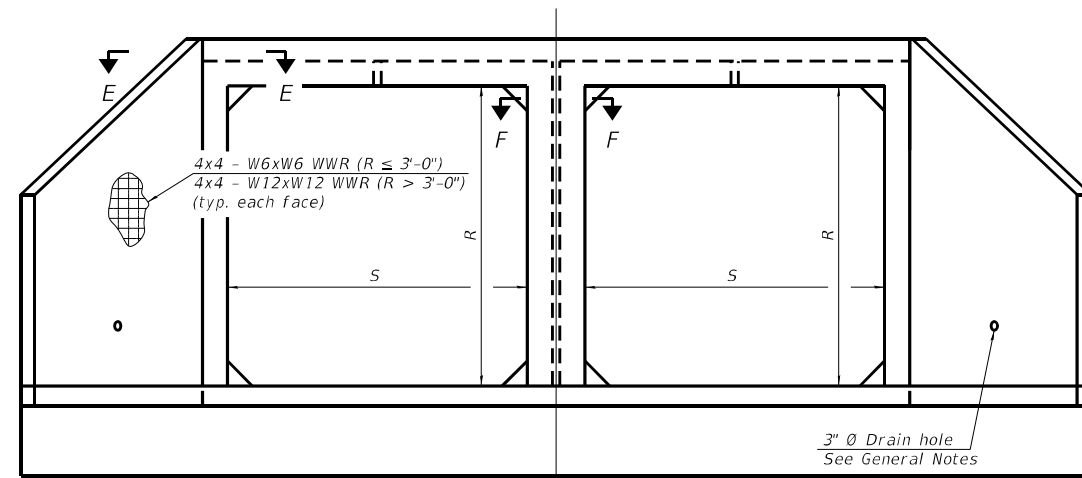
Shop drawings that detail slab thickness and reinforcement layout for the Box Culvert End Sections shall be provided to the Engineer for review and approval. Reinforcement bars not detailed herein shall be detailed with a clear distance at the end of the reinforcement not less than 1/2" nor more than 2".

The contractor may use reinforcement bars in lieu of welded wire reinforcement (WWR).

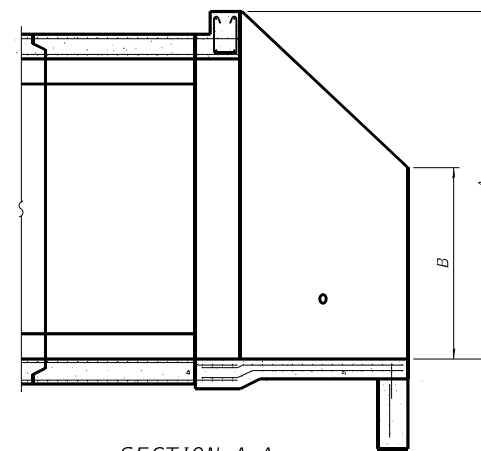
Reinforcement bars shall be limited to the sizes of #3 through #5 bars, a maximum spacing of the lesser of 8" or the member thickness, and shall result in an area of reinforcement equal to or greater than that provided by the WWR. Minimum lap lengths detailed herein are applicable to WWR and reinforcement bars.

Reinforcement (circumferential and longitudinal) in the precast concrete box culvert segments immediately adjacent to the box culvert end sections that is being lapped with the end section reinforcement shall not be less than that required by ASTM C 1577 for the design fill height or the reinforcement detailed for the end section, whichever is greater.

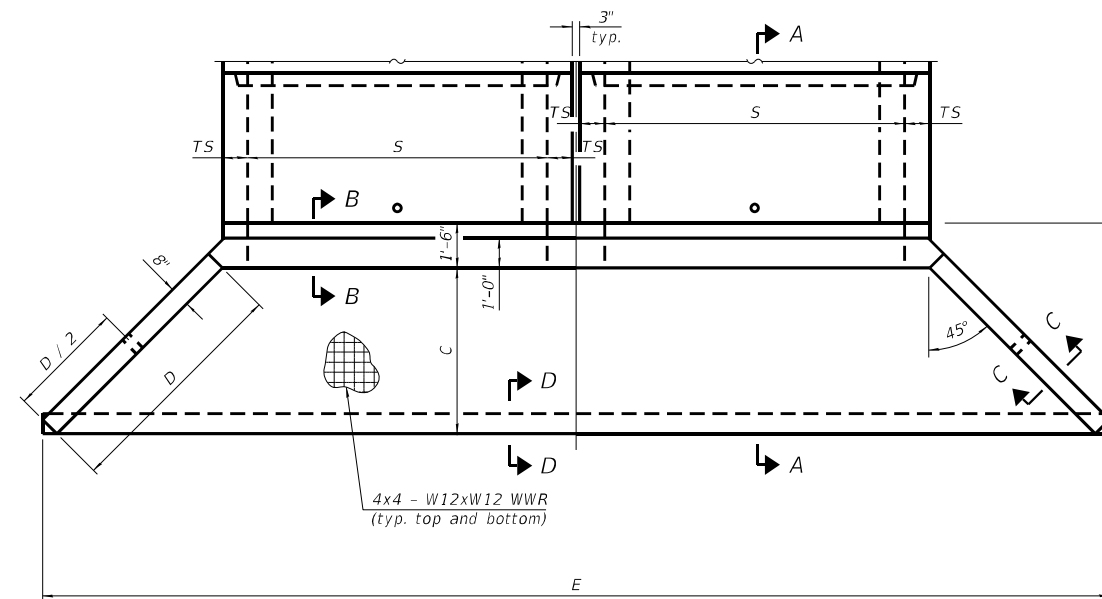
One drain hole shall be provided in each wingwall for end sections of box culverts having an opening with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert and shall conform to the requirements of Article 503.11 of the Standard Specifications.



END VIEW



SECTION A-A



PLAN

APRON END SECTION DIMENSIONS

Span (S)	Rise (R)	Tt, Tb, & Ts	Double Cell					Triple Cell		
			A	B	C	D	E	Concrete Cu. Yd.	E	Concrete Cu. Yd.
7'-0"	2'-0"	8"	3'-5"	2'-3"	2'-11 3/8"	4'-2"	23'-9"	6.6		
7'-0"	3'-0"	8"	4'-5"	2'-9"	3'-11 3/8"	5'-7"	25'-9 1/8"	8.0		
7'-0"	4'-0"	8"	5'-5"	3'-3"	4'-11 3/8"	7'-0"	27'-9 1/8"	9.5		
7'-0"	5'-0"	8"	6'-5"	3'-9"	5'-11 3/8"	8'-5"	29'-9 1/8"	11.2		
7'-0"	6'-0"	8"	7'-5"	4'-3"	6'-11 3/8"	9'-10"	31'-9 1/8"	13.1		
8'-0"	2'-0"	8"	3'-5"	2'-3"	2'-11 3/8"	4'-2"	25'-9"	7.1		
8'-0"	3'-0"	8"	4'-5"	2'-9"	3'-11 3/8"	5'-7"	27'-9 1/8"	8.6		
8'-0"	4'-0"	8"	5'-5"	3'-3"	4'-11 3/8"	7'-0"	29'-9 1/8"	10.2		
8'-0"	5'-0"	8"	6'-5"	3'-9"	5'-11 3/8"	8'-5"	31'-9 1/8"	11.9		
8'-0"	6'-0"	8"	7'-5"	4'-3"	6'-11 3/8"	9'-10"	33'-9 1/8"	13.8		
9'-0"	2'-0"	9"	3'-6"	2'-3"	3'-0 3/4"	4'-4"	28'-3 3/8"	8.2	39'-0 3/8"	11.4
9'-0"	3'-0"	9"	4'-6"	2'-9"	4'-0 3/4"	5'-9"	30'-3 3/8"	9.7	41'-0 3/8"	13.3
9'-0"	4'-0"	9"	5'-6"	3'-3"	5'-0 3/4"	7'-2"	32'-3 3/8"	11.4	43'-0 3/8"	15.4
9'-0"	5'-0"	9"	6'-6"	3'-9"	6'-0 3/8"	8'-7"	34'-4"	13.2	45'-1"	17.6
9'-0"	6'-0"	9"	7'-6"	4'-3"	7'-0 3/8"	9'-11"	36'-2 3/8"	15.1	46'-11 3/8"	19.8
10'-0"	2'-0"	10"	3'-7"	2'-4"	3'-1 1/2"	4'-5"	30'-9 1/4"	9.2	42'-8 1/4"	13.0
10'-0"	3'-0"	10"	4'-7"	2'-10"	4'-1 1/2"	5'-10"	32'-9 1/4"	10.8	44'-8 1/4"	15.0
10'-0"	4'-0"	10"	5'-7"	3'-4"	5'-1 1/2"	7'-3"	34'-9 3/8"	12.6	46'-8 3/8"	17.2
10'-0"	5'-0"	10"	6'-7"	3'-10"	6'-1 1/2"	8'-8"	36'-9 3/8"	14.5	48'-8 3/8"	19.5
10'-0"	6'-0"	10"	7'-7"	4'-4"	7'-1 1/2"	10'-1"	38'-9 3/8"	16.6	50'-8 3/8"	22.0
11'-0"	2'-0"	11"	3'-8"	2'-4"	3'-2 3/8"	4'-7"	33'-4 1/8"	10.4	46'-5 1/8"	14.7
11'-0"	3'-0"	11"	4'-8"	2'-10"	4'-2 3/8"	6'-0"	35'-4 1/8"	12.1	48'-5 1/8"	16.9
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11'-0"	6'-0"	11"	7'-8"	4'-4"	7'-2 1/4"	10'-2"	41'-2 3/8"	18.1	54'-3 3/8"	24.2
12'-0"	2'-0"	12"	3'-9"	2'-5"	3'-3 3/8"	4'-8"	35'-9 1/2"	11.6	50'-0 1/2"	16.5
12'-0"	3'-0"	12"	4'-9"	2'-11"	4'-3 3/8"	6'-1"	37'-9 1/2"	13.4	52'-0 1/2"	18.8
12'-0"	4'-0"	12"	5'-9"	3'-5"	5'-3 3/8"	7'-6"	39'-9 3/8"	15.4	54'-0 3/8"	21.2
12'-0"	5'-0"	12"	6'-9"	3'-11"	6'-3 3/8"	8'-11"	41'-9 3/8"	17.6	56'-0 3/8"	23.8
12'-0"	6'-0"	12"	7'-9"	4'-5"	7'-3 3/8"	10'-4"	43'-9 3/8"	19.8	58'-0 3/8"	26.6

(Sheet 1 of 2)

MULTI-CELL PRECAST CONCRETE BOX CULVERT APRON END SECTION DETAILS - STRUCTURE NO.

MCB-AES

2-17-2017

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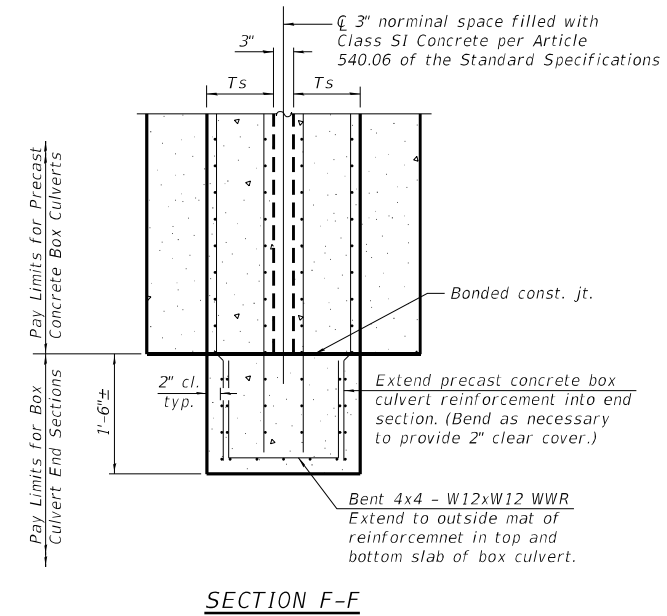
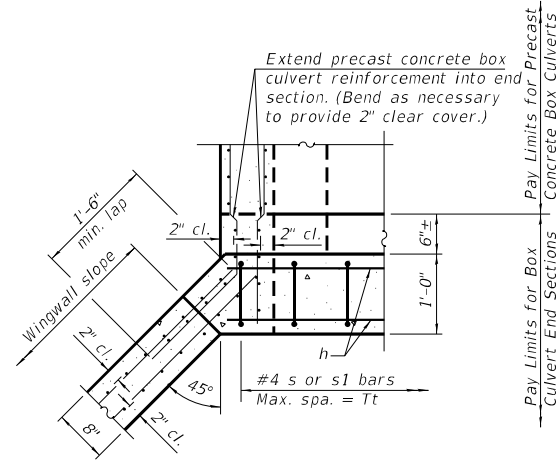
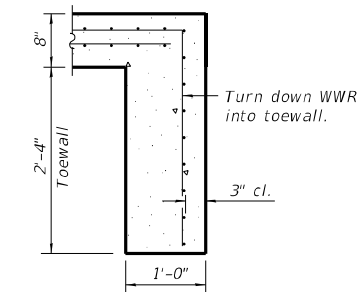
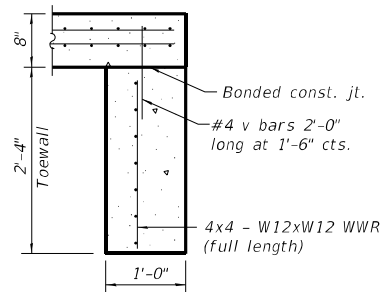
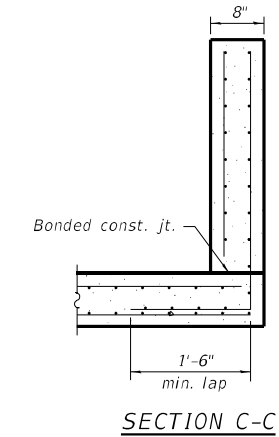
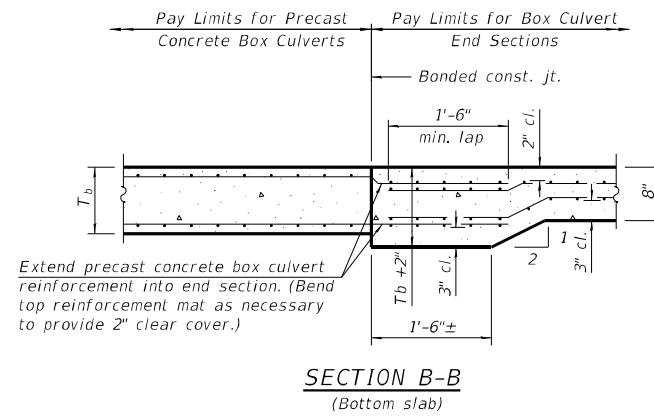
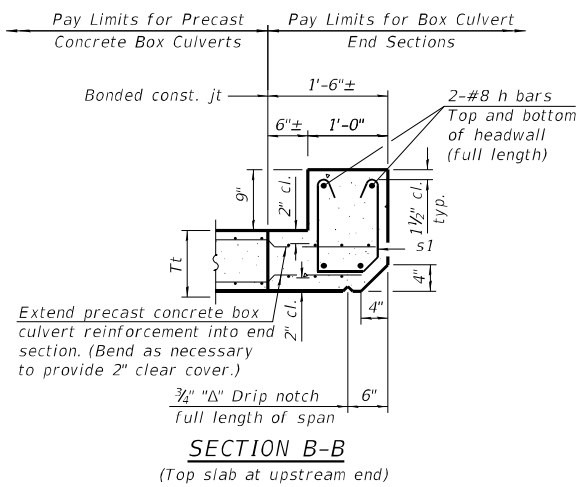
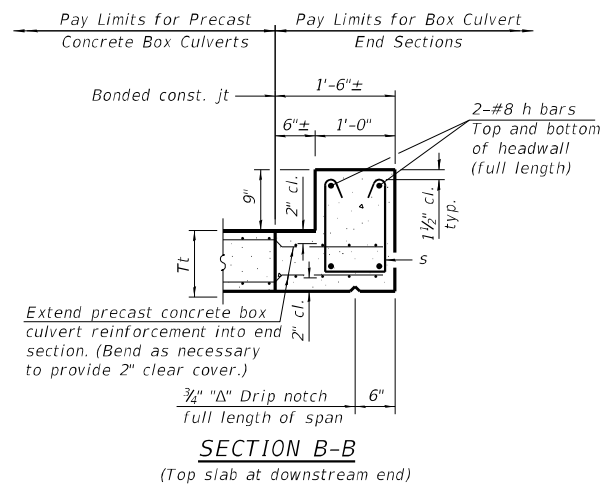
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PRECAST CONCRETE BOX CULVERT APRON END
SECTION DETAILS - EX SN 063-7020 PR SN 063-7036**

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ILLINOIS FED. AID PROJECT				

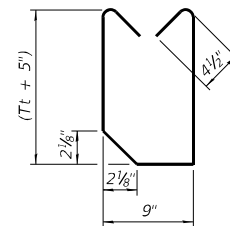
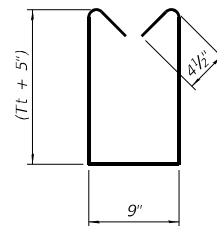


TOEWALL CONSTRUCTION SEQUENCE

1. Perform excavation and construct toewall.
2. Backfill accordingly and prepare bedding for box culvert end sections.
3. Construct remainder of box culvert end section.

Note:

If soil conditions permit, the toewall may be poured monolithically with the bottom slab of the end section using Alt. Section D-D subject to approval from the Engineer.



MCB-AES

2-17-2017

(Sheet 2 of 2)

MULTI-CELL PRECAST CONCRETE BOX CULVERT APRON END SECTION DETAILS - STRUCTURE NO.

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

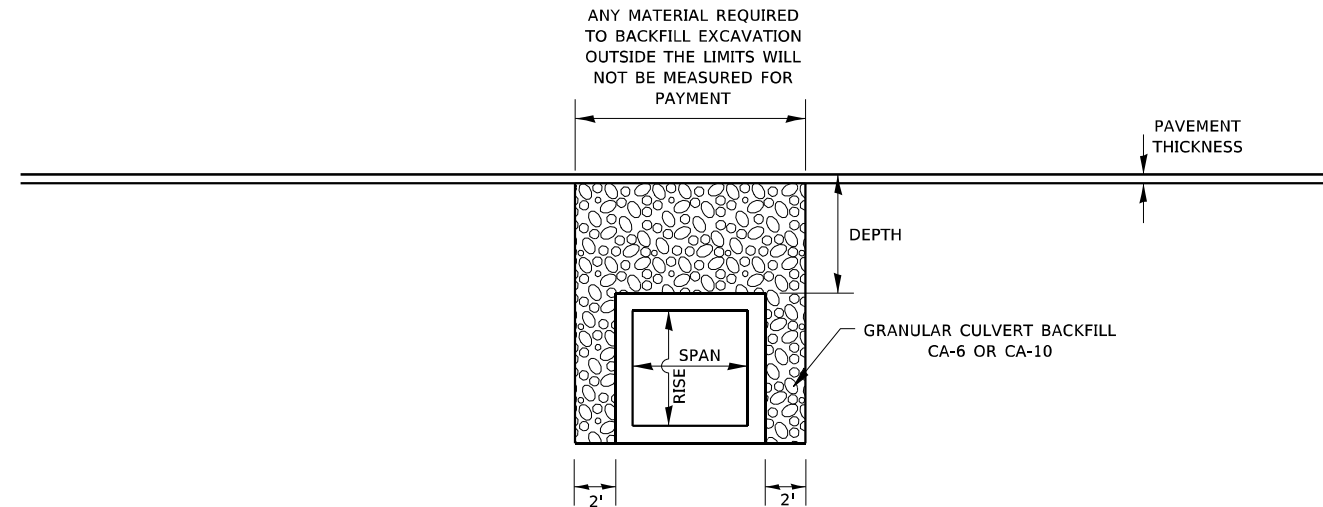
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SECTION DETAILS - EX SN 063-7020 PR SN 063-7036**

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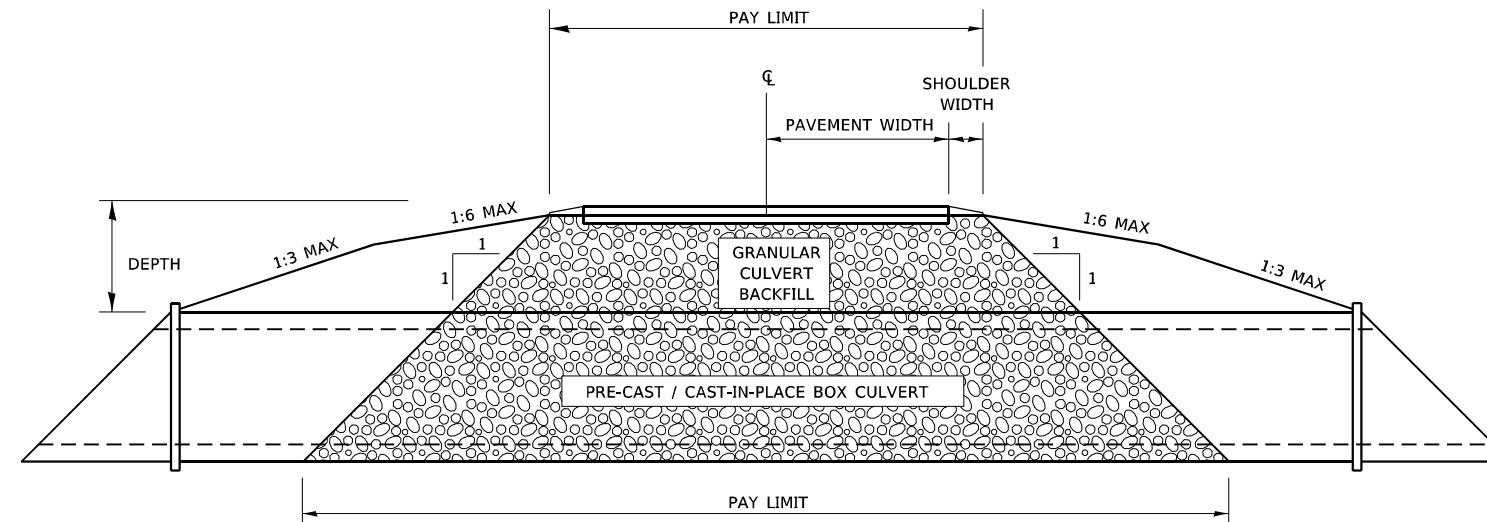
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- DEPTH OF FILL > 2' & < 8'
- DEPTH OF FILL < SPAN OF LARGEST BOX CONFIGURATION

**PROFILE GRANULAR BACKFILL DETAIL
FOR EXISTING ALIGNMENTS & CONSTRUCTION**



**CROSS SECTION GRANULAR BACKFILL DETAIL
FOR EXISTING ALIGNMENTS & CONSTRUCTION**

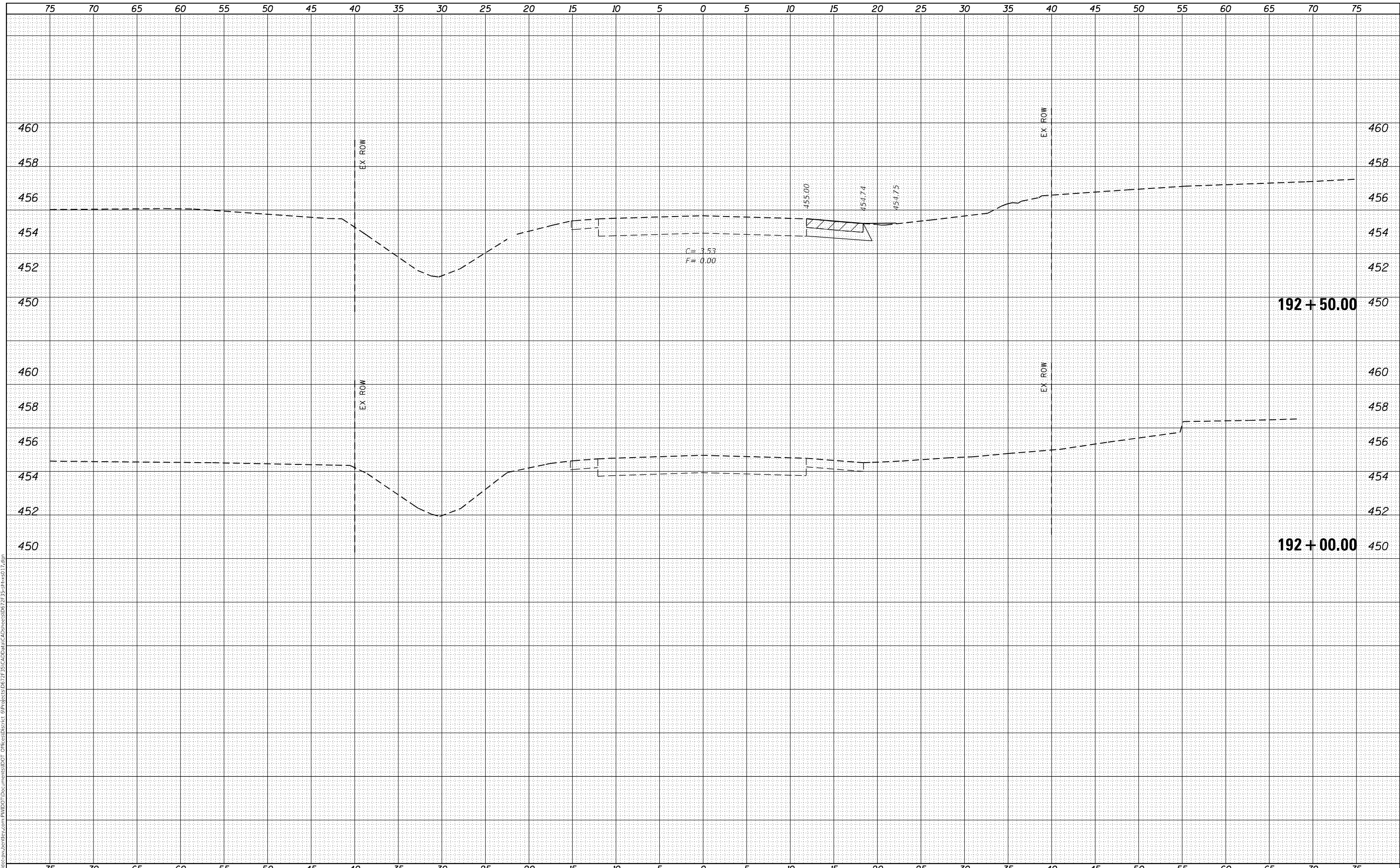
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NOTE BOOK	
TEMPLATE	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY NO.	
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

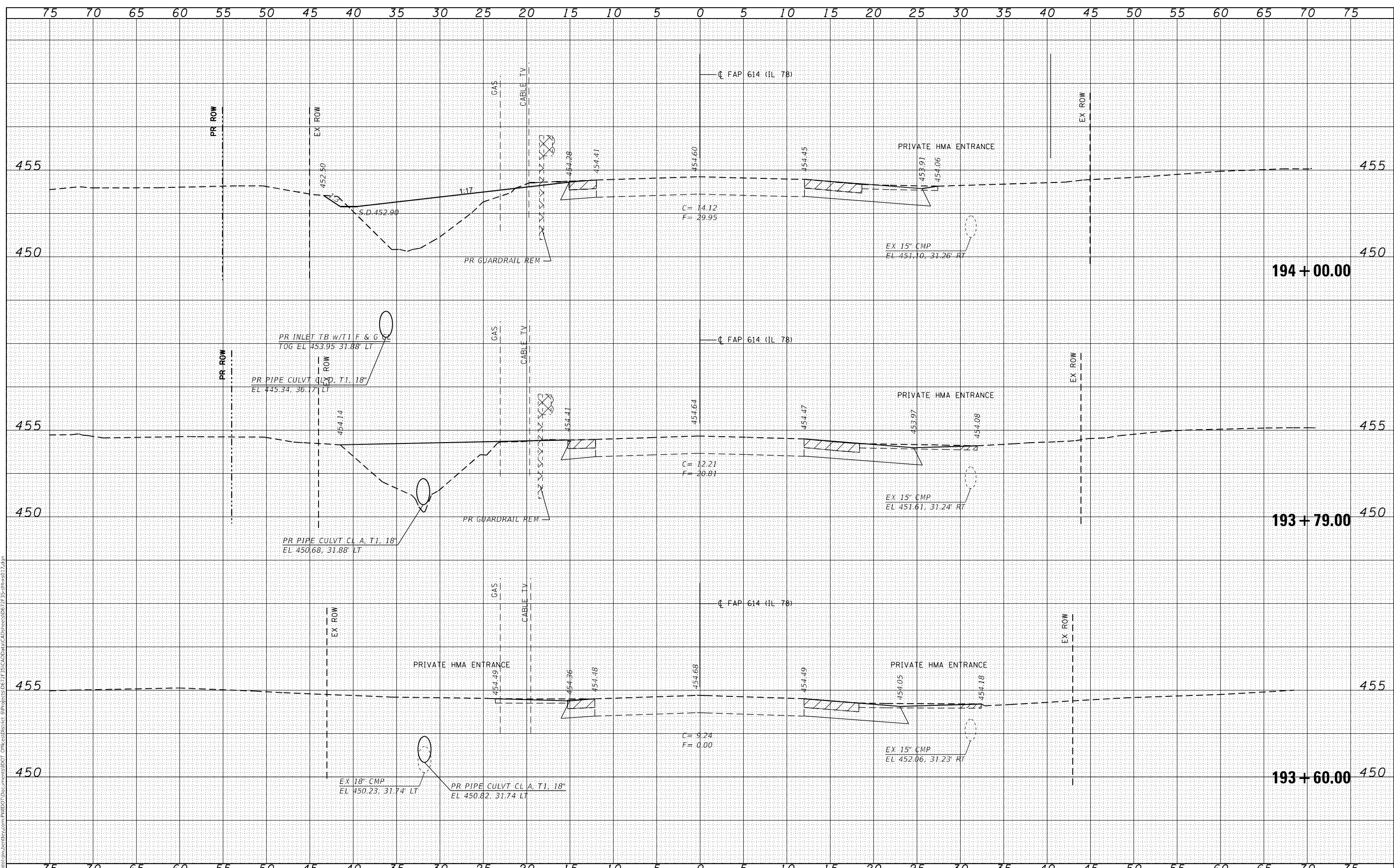
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				ILLINOIS FED. AID PROJECT

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

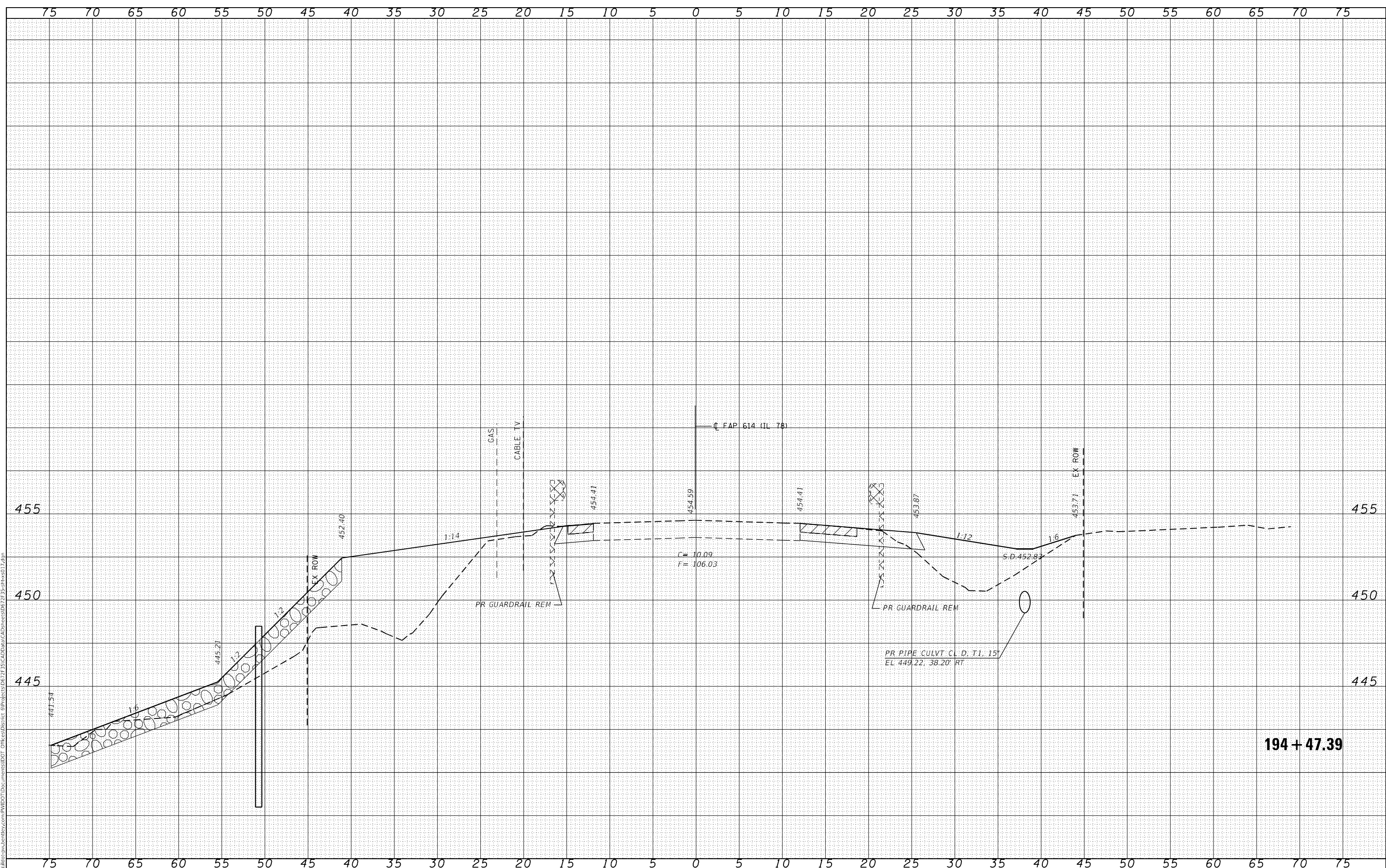
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ILLINOIS				FED. AID PROJECT

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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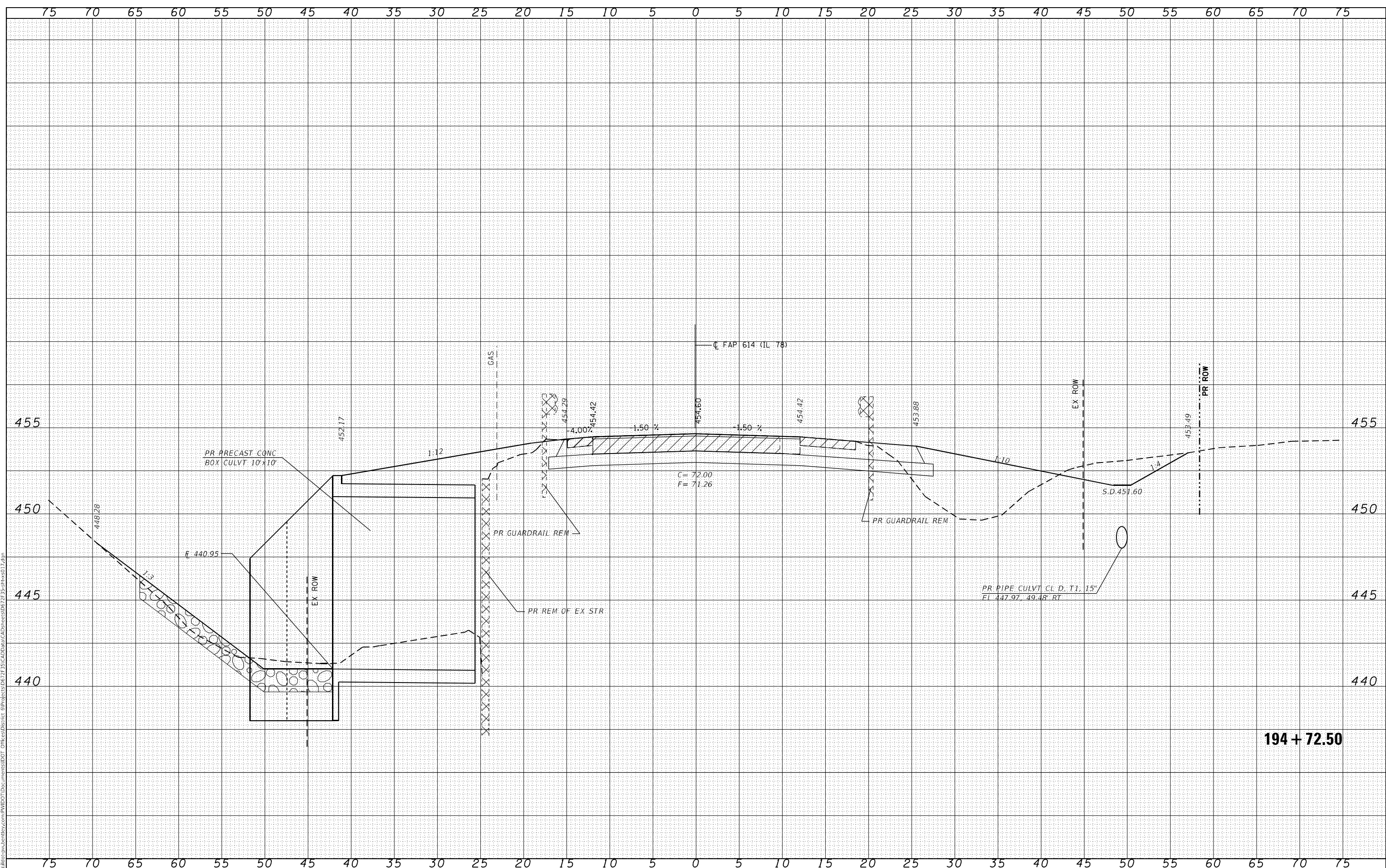
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				ILLINOIS FED. AID PROJECT

194 + 47.39

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SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

MODEL: Default
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194 + 72.50

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PLOT SCALE =	10.0000' / in.	CHECKED -	REVISD -
PLOT DATE =	8/20/2021	DATE -	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

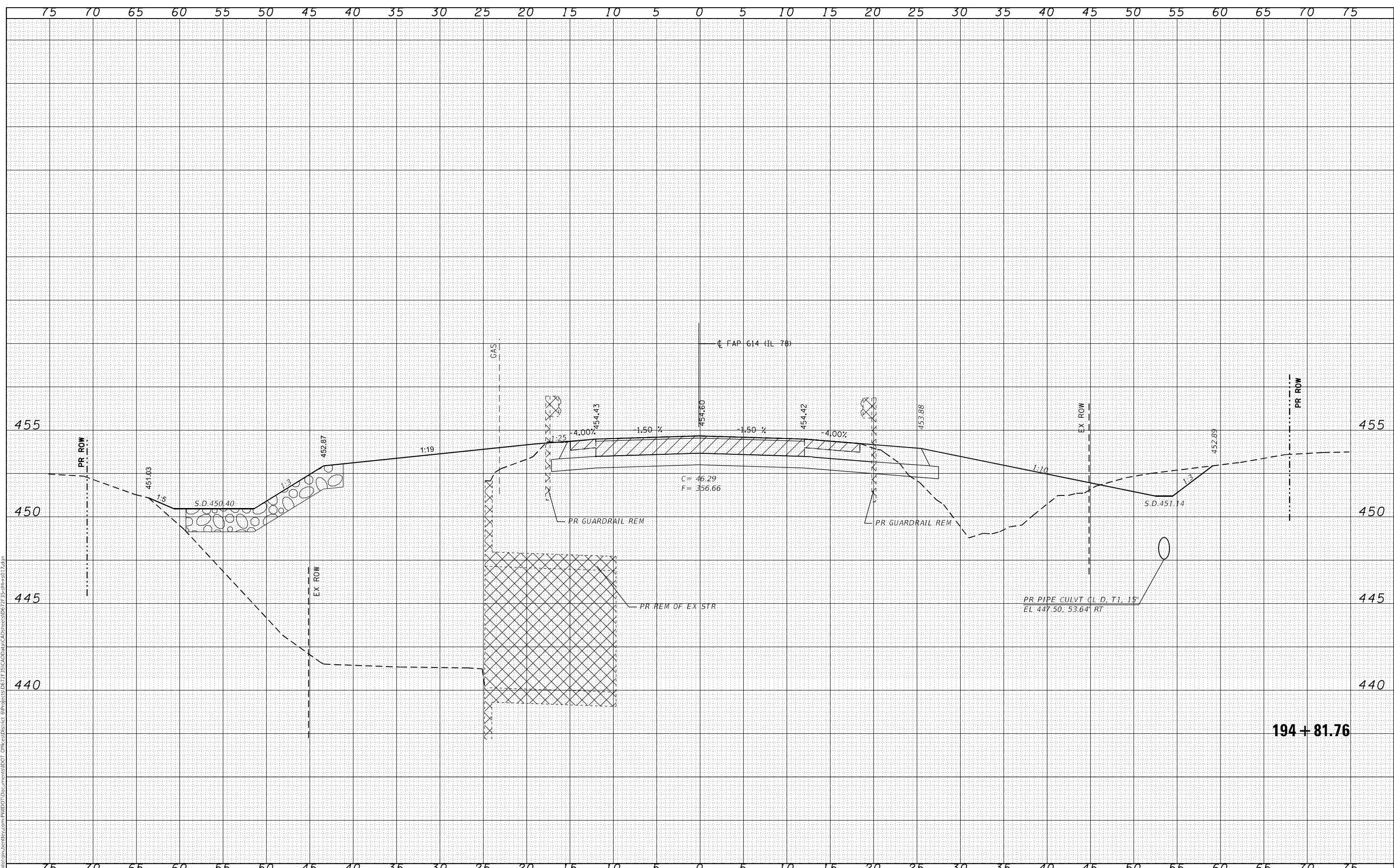
CROSS SECTION SHEETS			
EX SN 063-7017 PR SN 063-7035			
SCALE:	SHEET 6	OF 13 SHEETS	STA. 194+72.50 TO STA. 194+72.50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(141)CR,CR-1	MASON	54	39
				CONTRACT NO. 72F35
				ILLINOIS FED. AID PROJECT

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

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194 + 81.76

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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

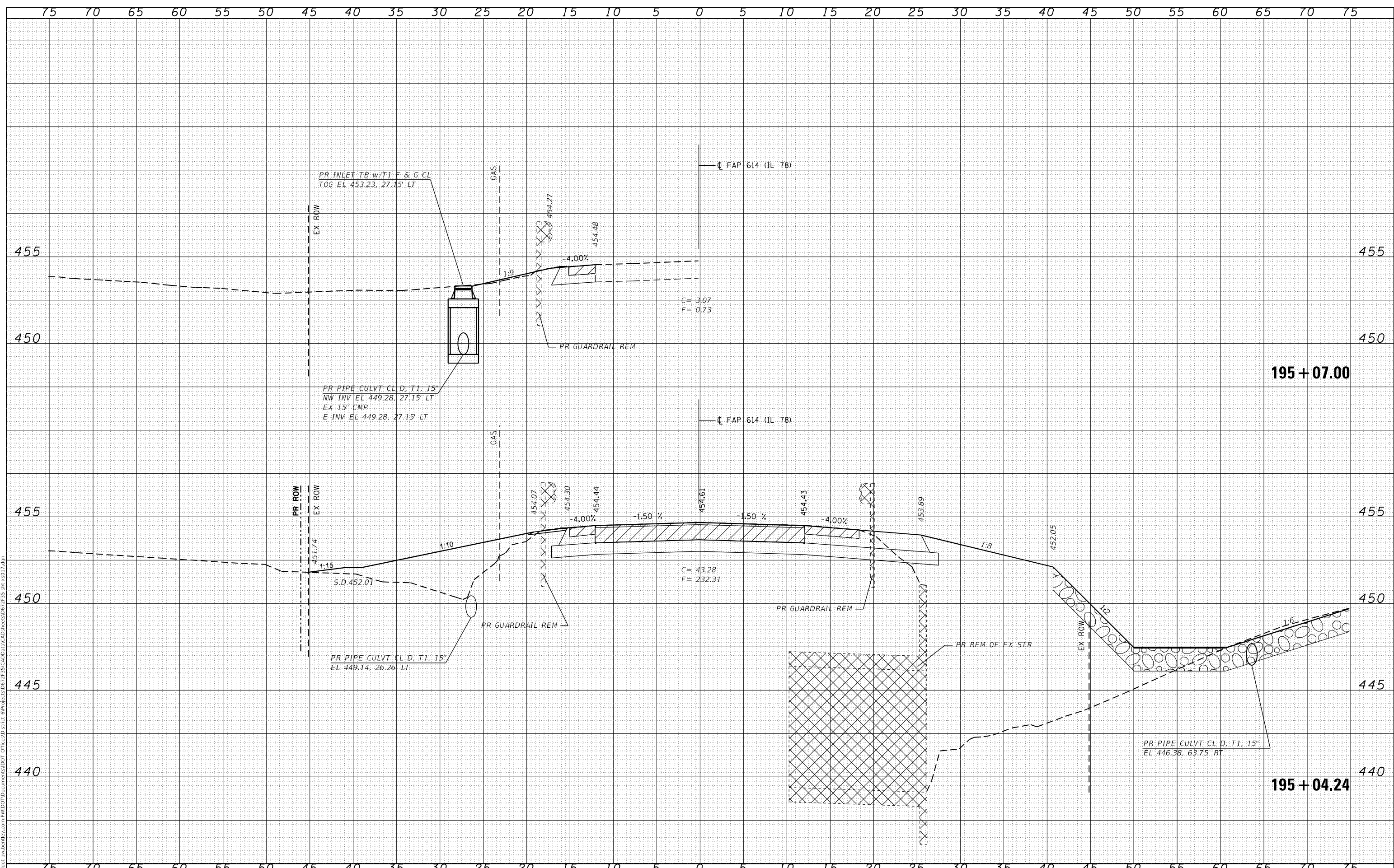
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EX SN 063-7017 PR SN 063-7035			
SCALE:	SHEET 7	OF 13 SHEETS	STA. 194+81.76 TO STA. 194+81.76

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(141)CR,CR-1	MASON	54	40
CONTRACT NO. 72F35			ILLINOIS FED. AID PROJECT	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

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USER NAME =	cdxjw	DESIGNED -	REVISED -
		DRAWN -	REVISED -
PLOT SCALE =	10.0000 * 1/ in.	CHECKED -	REVISED -
PLOT DATE =	8/20/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

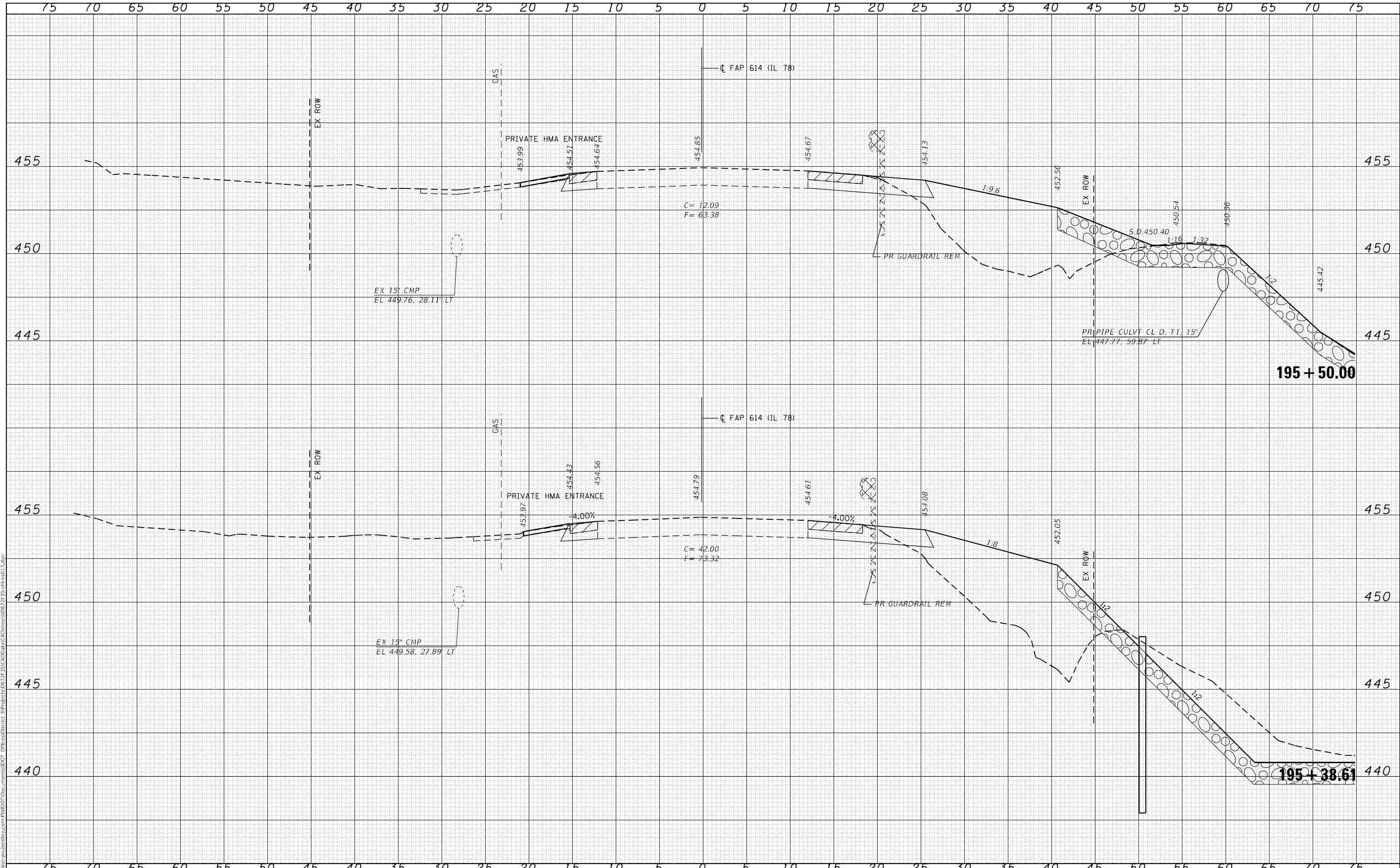
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EX SN 063-7017 PR SN 063-7035			
SCALE:	SHEET 9	OF 13 SHEETS	STA. 195+04.24 TO STA. 195+21.29

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(141)CR,CR-1	MASON	54	42
CONTRACT NO. 72F35				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINISHED SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

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USER NAME = cdjw	DESIGNED -	REVISED -
PLOT SCALE = 10.0000 * / in.	DRAWN -	REVISED -
PLOT DATE = 8/20/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

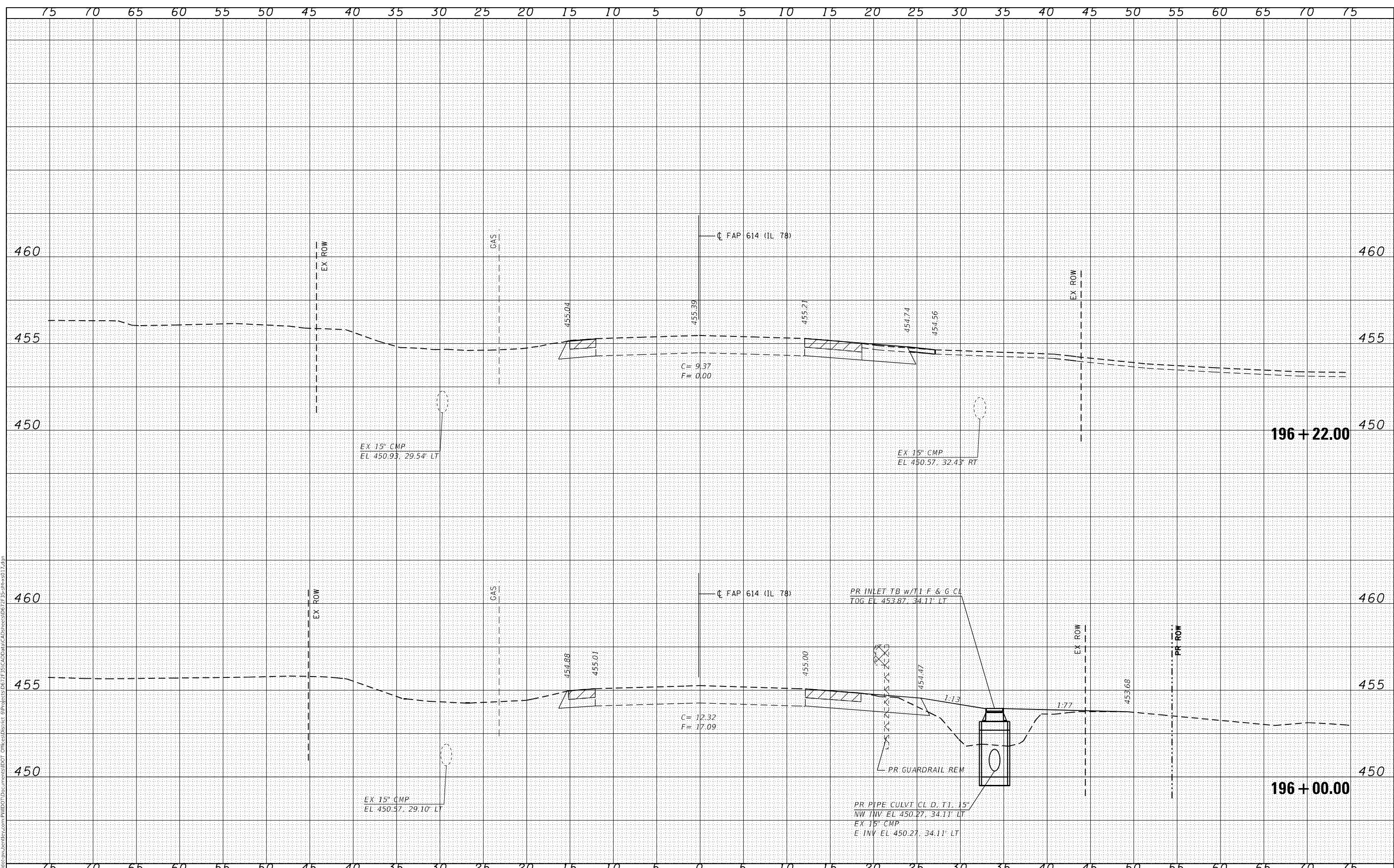
CROSS SECTION SHEETS		
EX SN 063-7017 PR SN 063-7035		
SCALE:	SHEET 10 OF 13 SHEETS	STA. 195+38.61 TO STA. 195+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(141)CR,CR-1	MASON	54	43
CONTRACT NO. 72F35				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINISHED SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

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PROJECT: 063-7017-0000
DATE: 8/20/2021



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PLOT DATE = 8/20/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

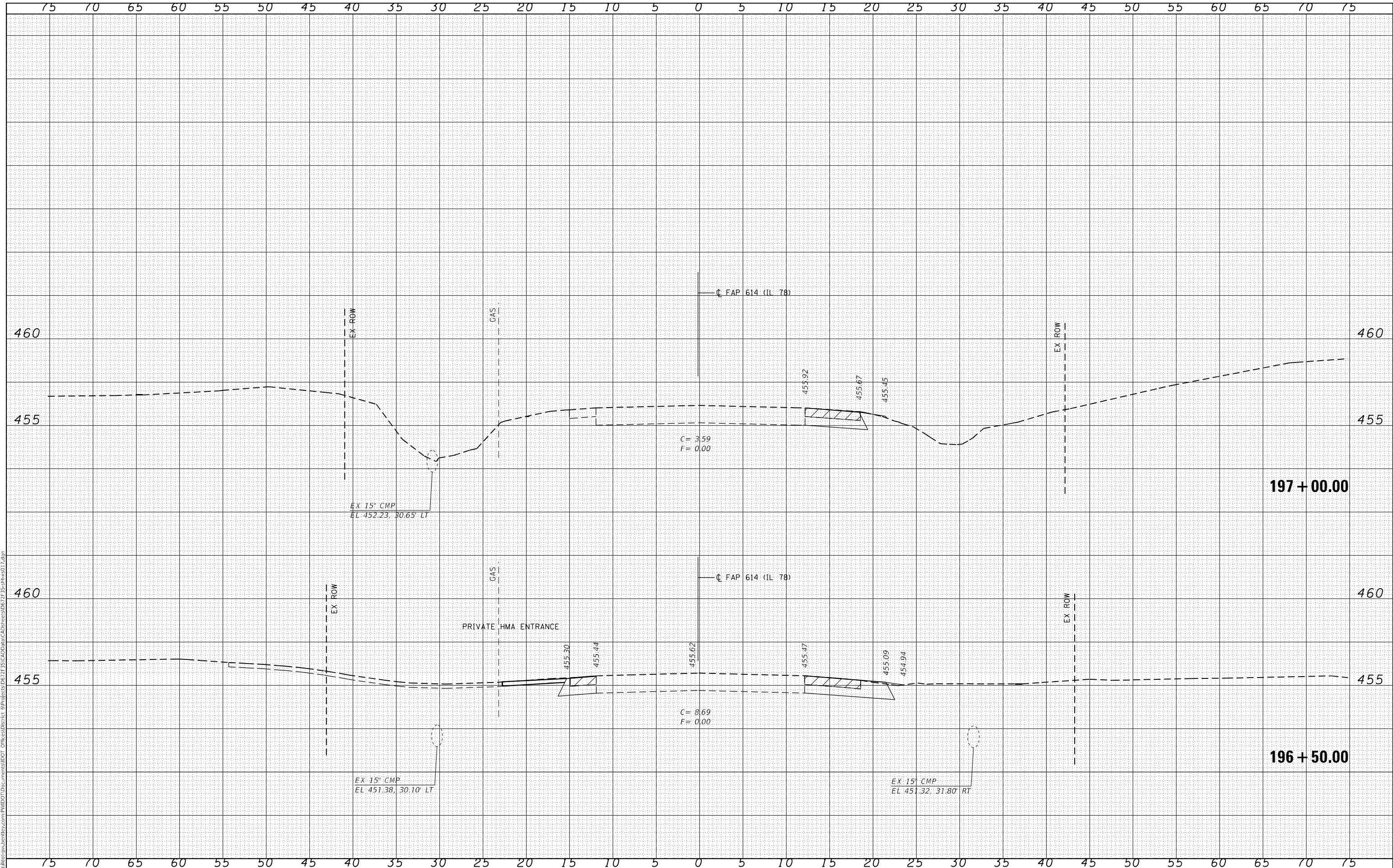
CROSS SECTION SHEETS			
EX SN 063-7017 PR SN 063-7035			
SCALE:	SHEET 11	OF 13 SHEETS	STA. 196+00.00 TO STA. 196+22.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(141)CR,CR-1	MASON	54	44
CONTRACT NO. 72F35				
ILLINOIS				FED. AID PROJECT

DATE	
BY	
FINISHED SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK NO.	
AREAS CHECKED	
AREAS CORRECTED	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK NO.	
AREAS CHECKED	
AREAS CORRECTED	

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USER NAME	= cdjw	DESIGNED	-	REVISIONS	-
DRAWN	-	REVISIONS	-		
CHECKED	-	REVISIONS	-		
DATE	-	REVISIONS	-		

DESIGNED	-
REVISIONS	-
CHECKED	-
REVISIONS	-
DATE	-
REVISIONS	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

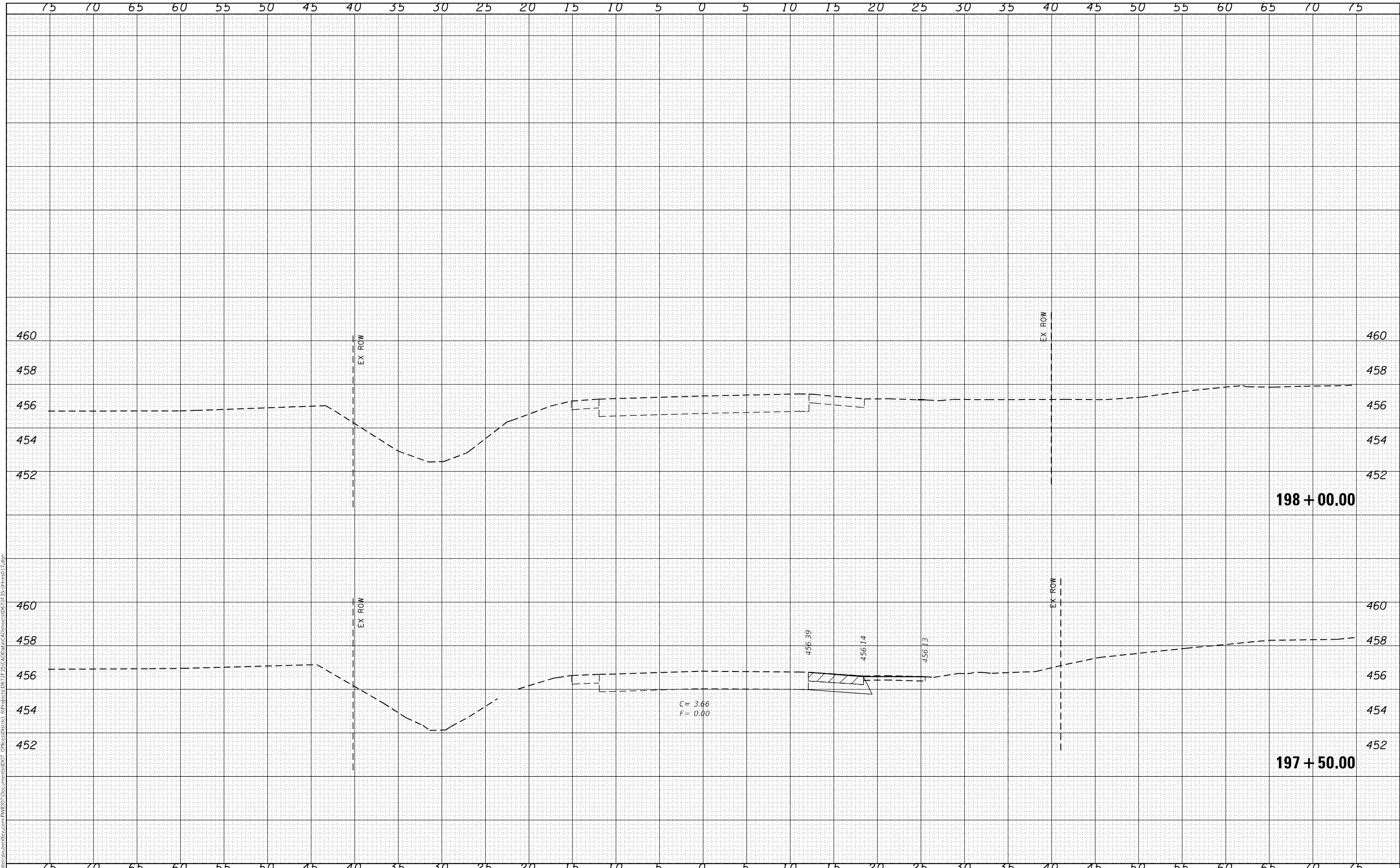
CROSS SECTION SHEETS			
EX SN 063-7017 PR SN 063-7035			
SCALE:	SHEET 12 OF 13 SHEETS	STA. 196+50.00 TO STA. 197+00.00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(141)CR,CR-1	MASON	54	45
			CONTRACT NO. 72F35	
ILLINOIS		FED. AID PROJECT		

FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CORRECTED		

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CORRECTED		

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PLOT DATE = 8/20/2021	DATE -	REVISED -

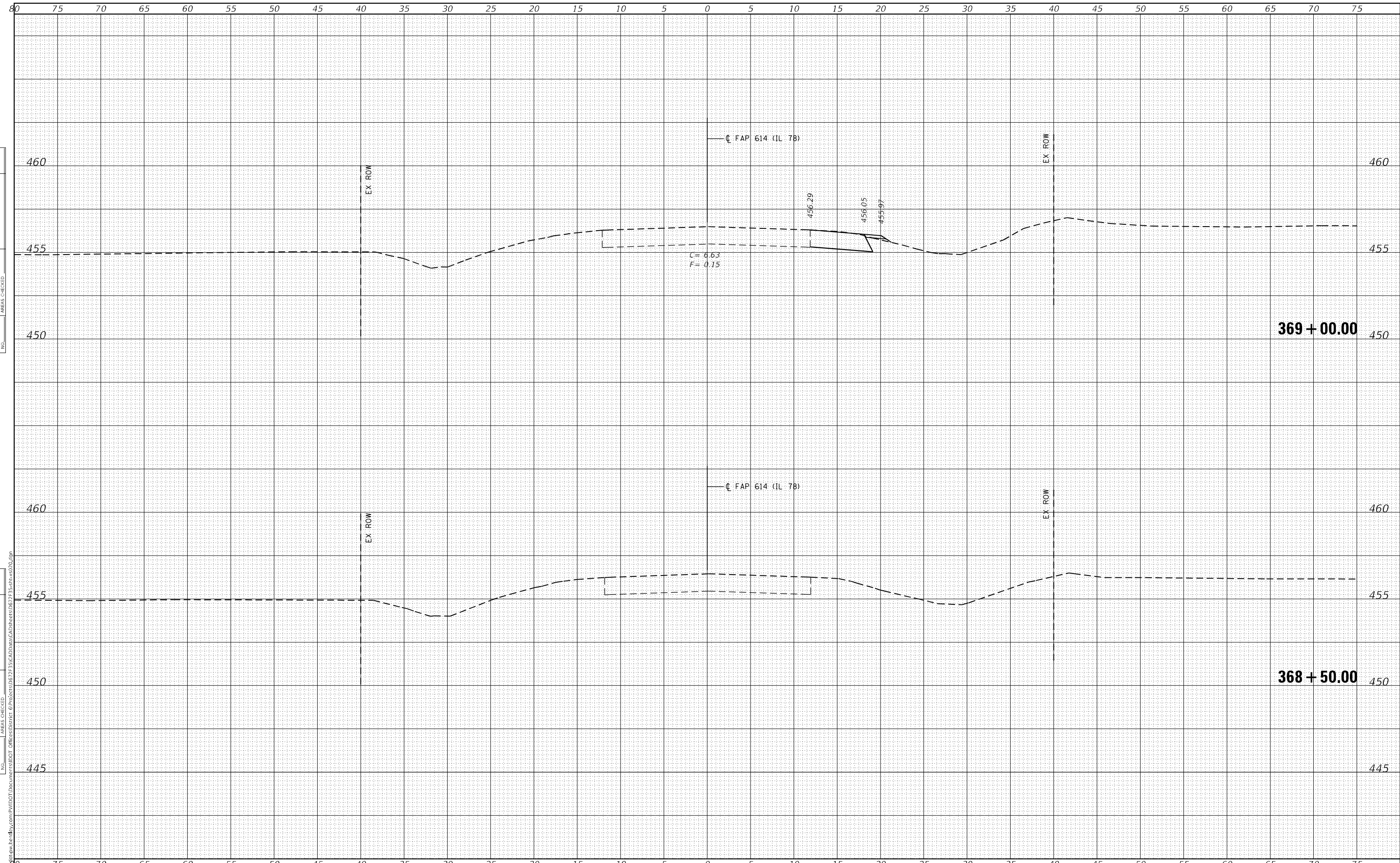
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTION SHEETS
EX SN 063-7017 PR SN 063-7035
SCALE: SHEET 13 OF 13 SHEETS STA. 197+50.00 TO STA. 198+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(141)CR,CR-1	MASON	54	46
			CONTRACT NO. 72F35	
			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
AREAS CHECKED	TEMPLATE	
	AREAS CHECKED	

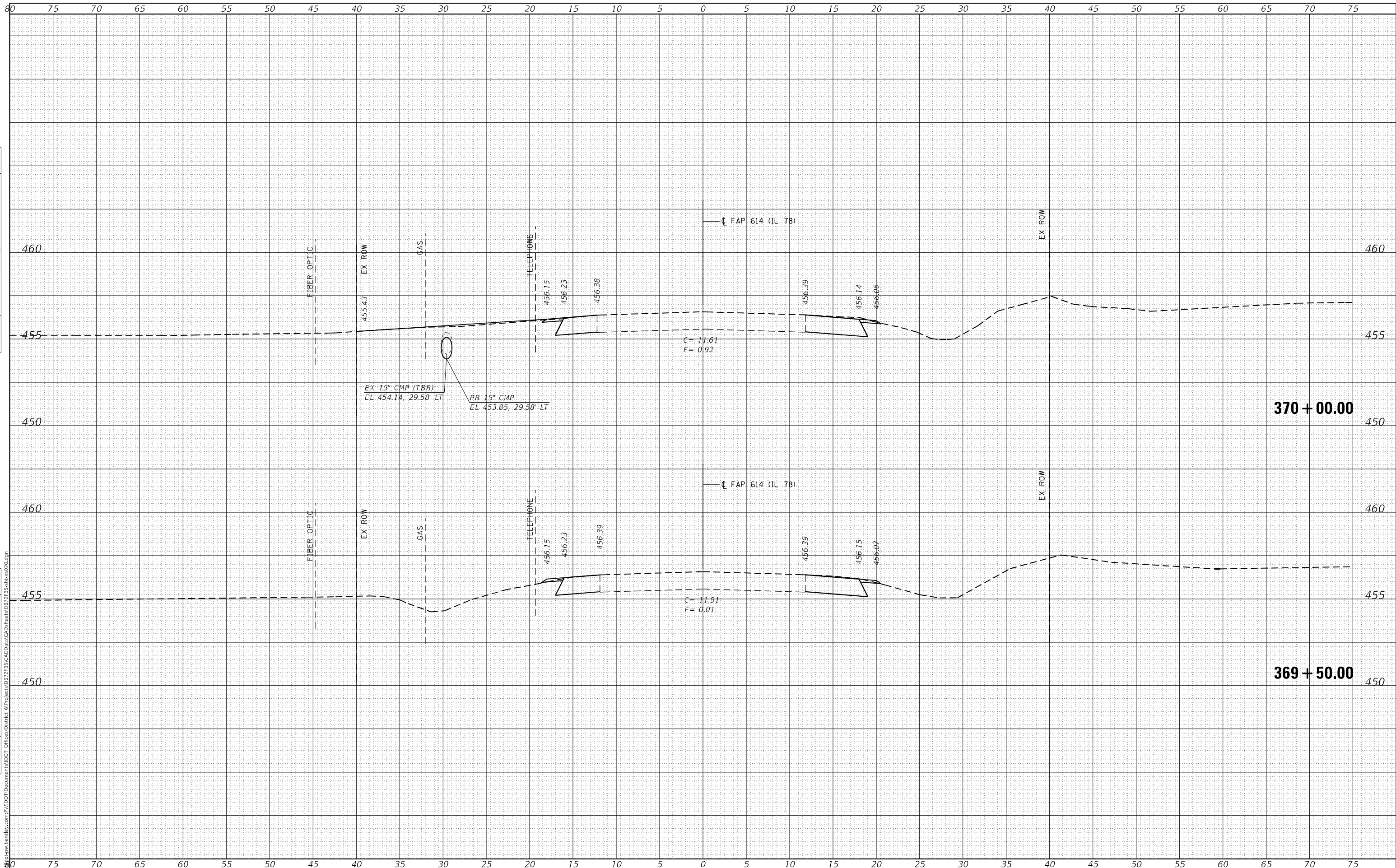
ORIGINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
AREAS CHECKED	TEMPLATE	
	AREAS CHECKED	



MODEL: Default	USER NAME = c0xjw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTION SHEETS EX SN 063-7020 PR 063-7036			F.A.P. RTE. 614	SECTION (141)CR-CR-1	COUNTY MASON	TOTAL SHEETS 54	SHEET NO. 47
FILE NAME: D:\proj\p063-7020\pr063-7036\CAD\Drawn\CAD\Sheet1067235.dwg	PLOT SCALE = 10,0000 * / in.	DRAWN -	REVISED -		SCALE:	SHEET 1	OF 8	SHEETS	STA. 368+50.00	TO STA. 369+00.00	CONTRACT NO. 72F35	
	PLOT DATE = 8/20/2021	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS CHECKED	



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DESIGNED -
DRAWN -
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DATE -

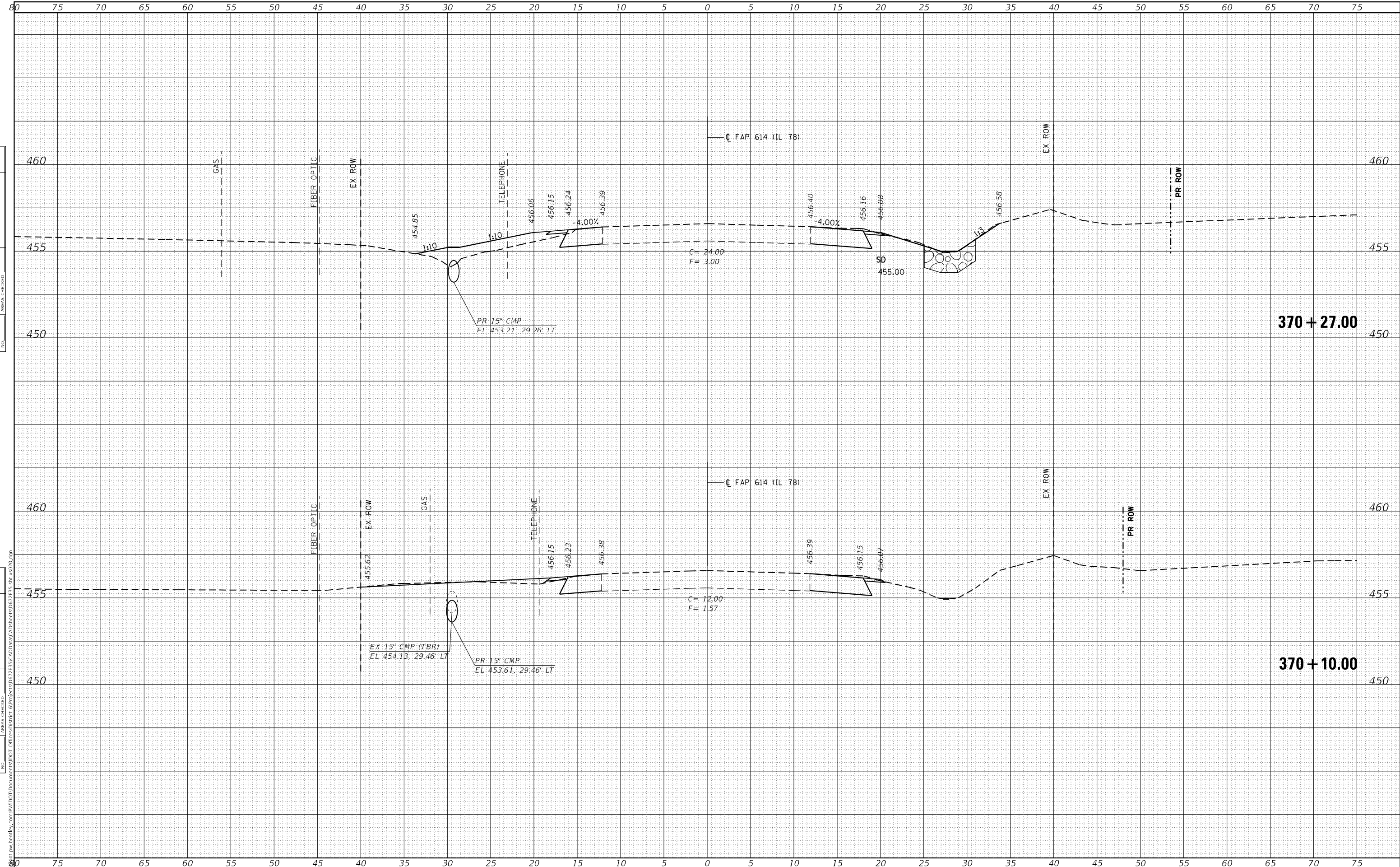
REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTION SHEETS
EX SN 063-7020 PR 063-7036**

SCALE: SHEET 2 OF 8 SHEETS STA. 369+50.00 TO STA. 370+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(141)CR,CR-1	MASON	54	48
CONTRACT NO. 72F35				
ILLINOIS		FED. AID PROJECT		



FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	
AREAS CHECKED	TEMPLATE	
	AREAS	

ORIGINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	
	TEMPLATE	
	AREAS	

USER NAME = c0xjw	DESIGNED -	REVISED -
PLOT SCALE = 10,0000 * / in.	DRAWN -	REVISED -
PLOT DATE = 8/20/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

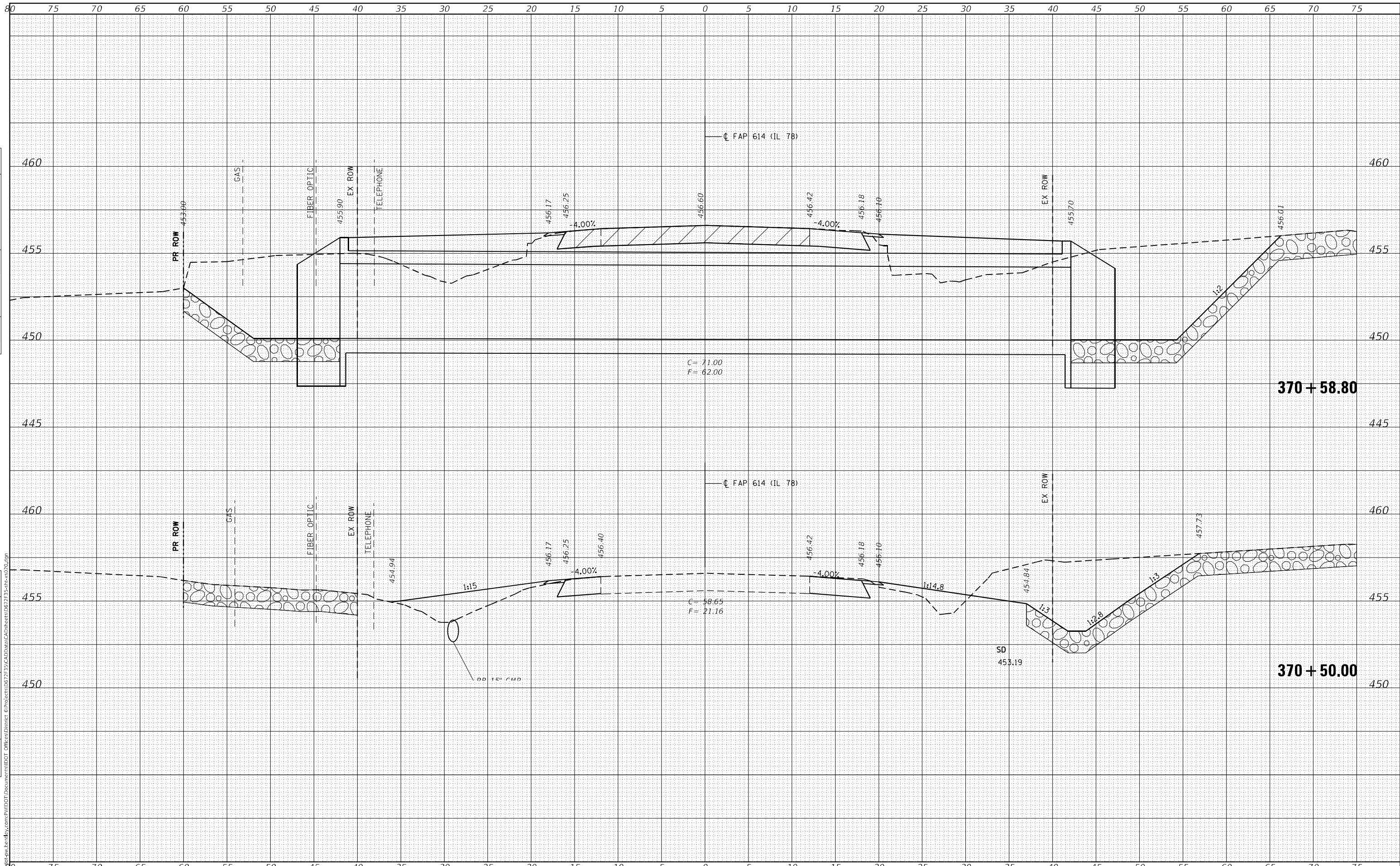
CROSS SECTION SHEETS			
EX SN 063-7020 PR 063-7036			
SCALE:	SHEET 3	OF 8	SHEETS
	STA. 370+10.00	TO STA.	370+27.00

F.A.P. RTE. 614	SECTION (141)CR,CR-1	COUNTY MASON	TOTAL SHEETS 54	SHEET NO. 49
CONTRACT NO. 72F35				
ILLINOIS FED. AID PROJECT				

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DATE	BY	NO.
ORIGINAL SURVEY	SURVEYED	PLOTTED
NOTE BOOK	TEMPLATE	AREAS CHECKED

DATE	BY	NO.
ORIGINAL SURVEY	SURVEYED	PLOTTED
NOTE BOOK	TEMPLATE	AREAS CHECKED



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PLOT DATE = 8/20/2021	DATE -	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTION SHEETS
EX SN 063-7020 PR 063-7036**

SCALE:	SHEET 4 OF 8 SHEETS	STA. 370+50.00 TO STA. 370+58.80
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(141)CR,CR-1	MASON	54	50
CONTRACT NO. 72F35				

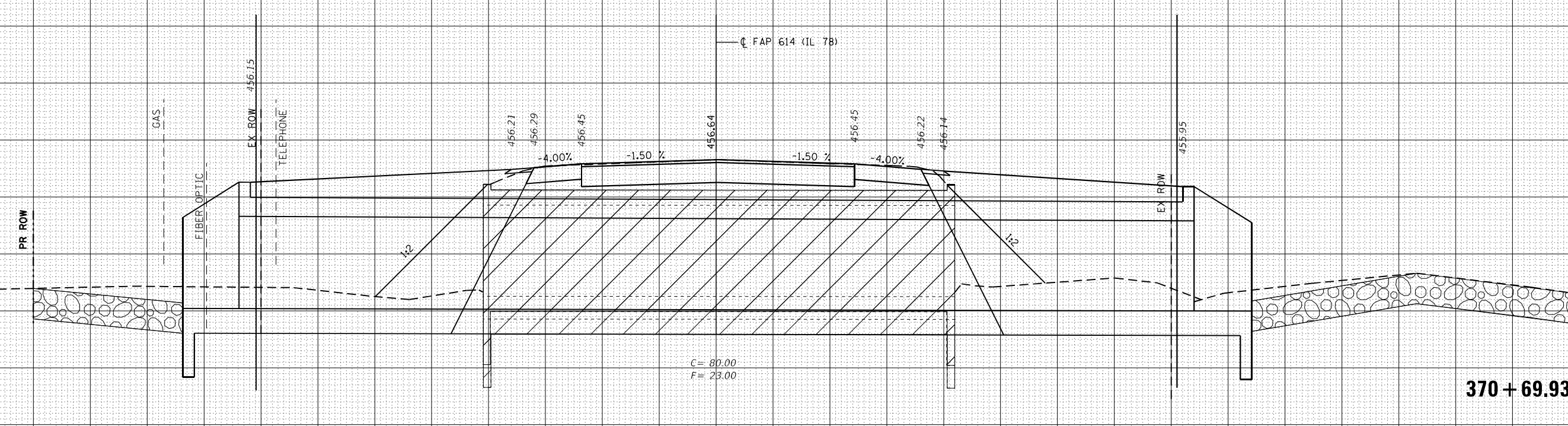
ILLINOIS FED. AID PROJECT

80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	FLOTTED	
AREAS CHECKED	TEMPLATE	
	AREAS	
	CHECKED	

ORIGINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	FLOTTED	
AREAS CHECKED	TEMPLATE	
	AREAS	
	CHECKED	

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PLOT DATE = 8/20/2021

DESIGNED -
DRAWN -
CHECKED -
DATE -

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REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

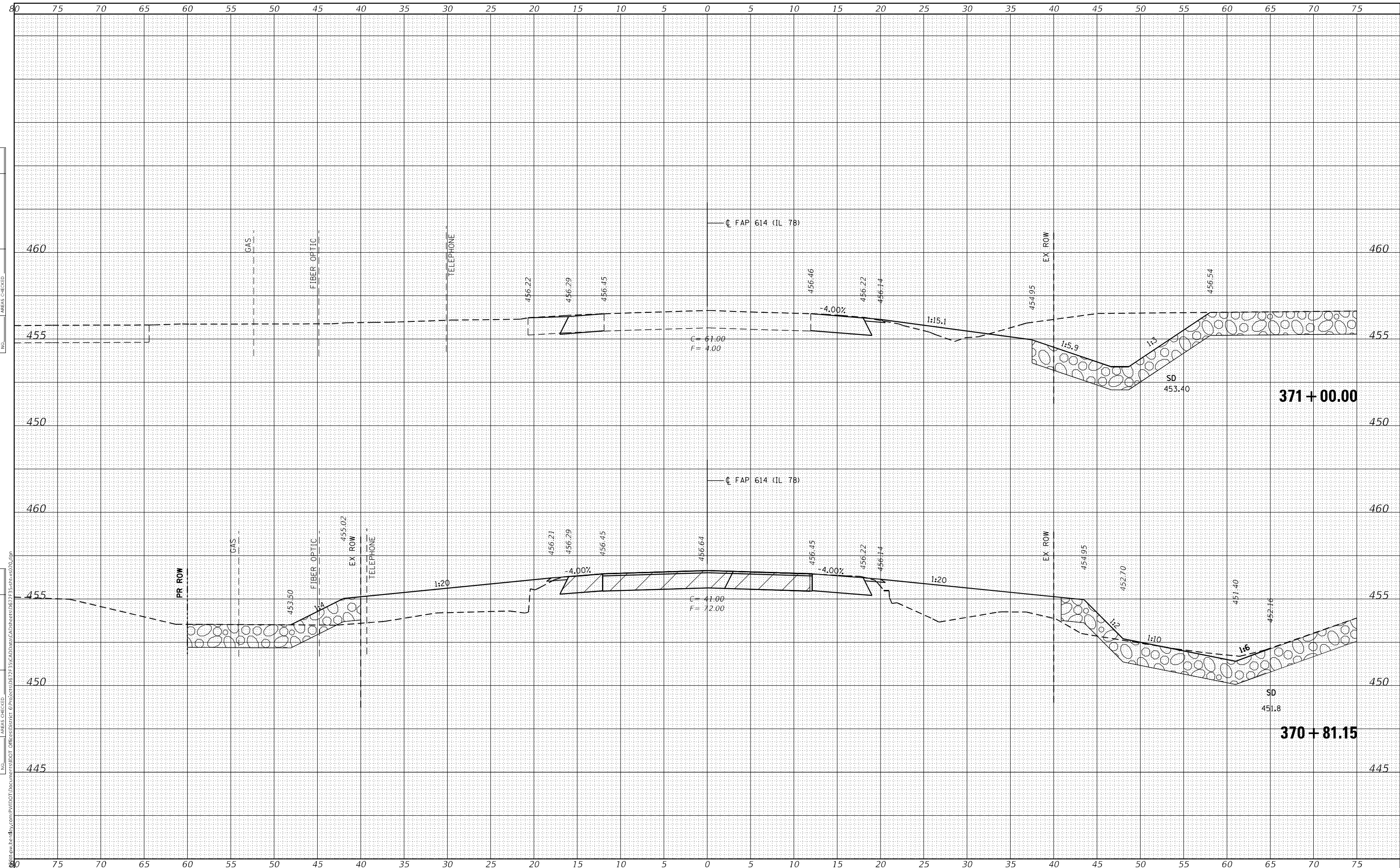
CROSS SECTION SHEETS			
EX SN 063-7020 PR 063-7036			
SCALE:	SHEET 5	OF 8 SHEETS	STA. 370+69.93 TO STA. 370+69.93

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(141)CR,CR-1	MASON	54	51
CONTRACT NO. 72F35				
ILLINOIS		FED. AID PROJECT		

370 + 69.93

FINAL	SURVEYED	DATE
SURVEY	PLOTTED	
NOTE BOOK	TEMPLATE	
NO.	AREAS CHECKED	

ORIGINAL	SURVEYED	DATE
SURVEY	PLOTTED	
NOTE BOOK	TEMPLATE	
NO.	AREAS CHECKED	



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

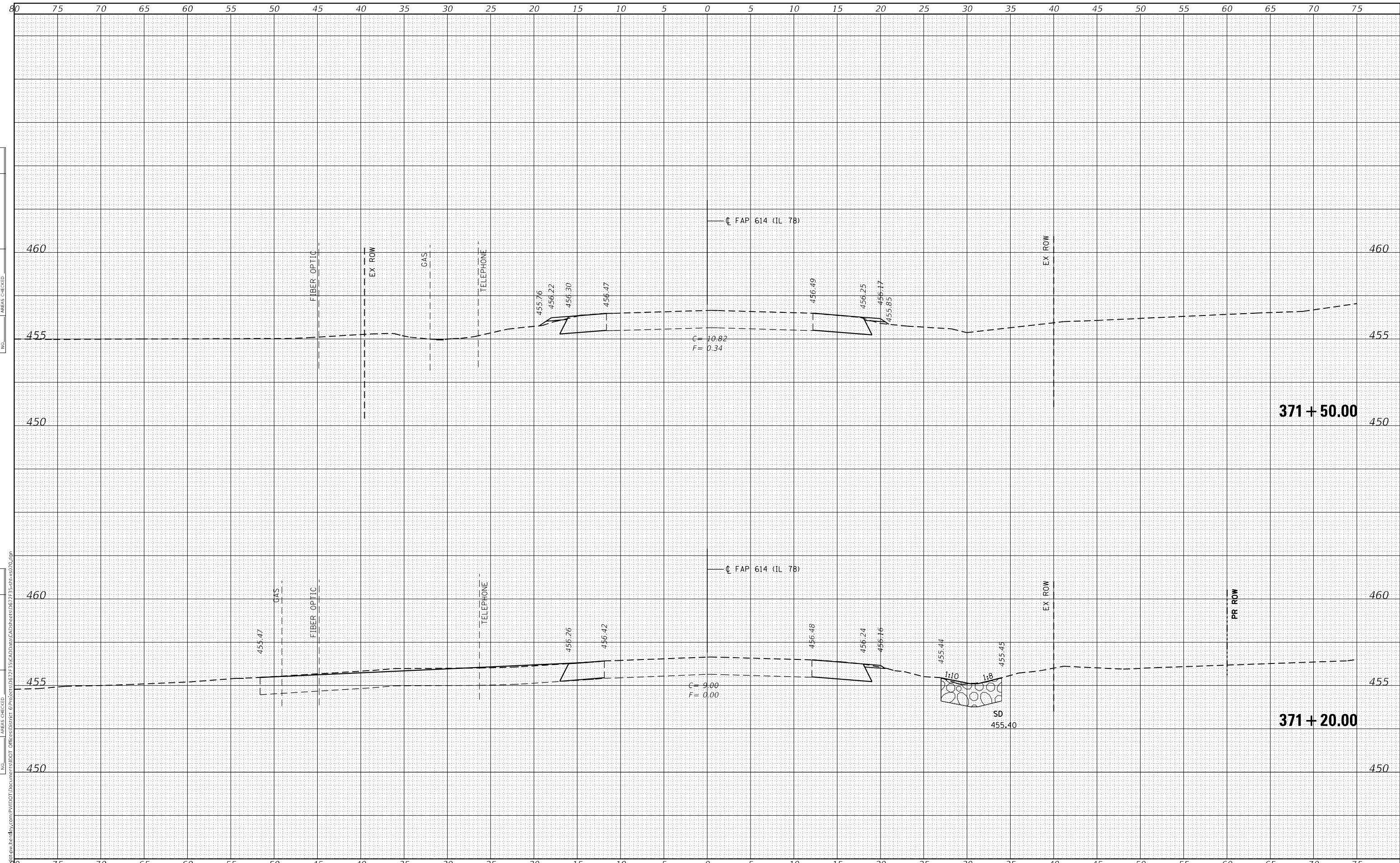
**CROSS SECTION SHEETS
EX SN 063-7020 PR 063-7036**

SCALE: SHEET 6 OF 8 SHEETS STA. 370+81.15 TO STA. 371+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(141)CR,CR-1	MASON	54	52
CONTRACT NO. 72F35				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	
AREAS CHECKED	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	



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PLOT DATE = 8/20/2021	DATE -	REvised -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

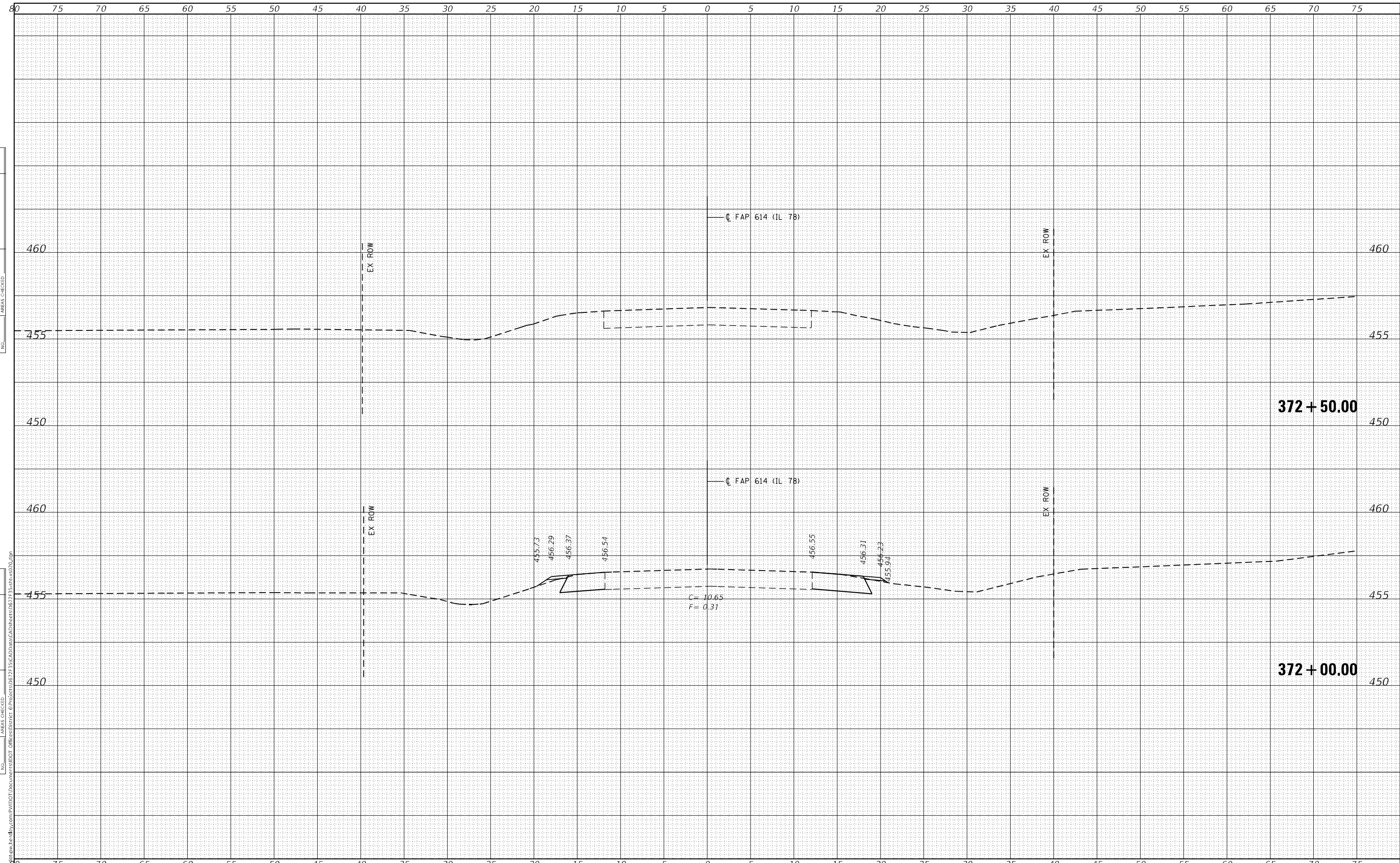
**CROSS SECTION SHEETS
 EX SN 063-7020 PR 063-7036**

SCALE: SHEET 7 OF 8 SHEETS STA. 371+20.00 TO STA. 371+50.00

F.A.P. RTE. 614	SECTION (141)CR,CR-1	COUNTY MASON	TOTAL SHEETS 54	SHEET NO. 53
CONTRACT NO. 72735				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	



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	DRAWN -	REVISED -
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PLOT DATE = 8/20/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTION SHEETS
 EX SN 063-7020 PR 063-7036**

SCALE: SHEET 8 OF 8 SHEETS STA. 372+00.00 TO STA. 372+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(141)CR,CR-1	MASON	54	54
CONTRACT NO. 72F35				
ILLINOIS		FED. AID PROJECT		