F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	1
	ILLINOIS	CONTRACT NO. 74564		

06-13-2025 LETTING ITEM 104

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOR INDEX OF SHEETS, SEE SHEET NO. 2

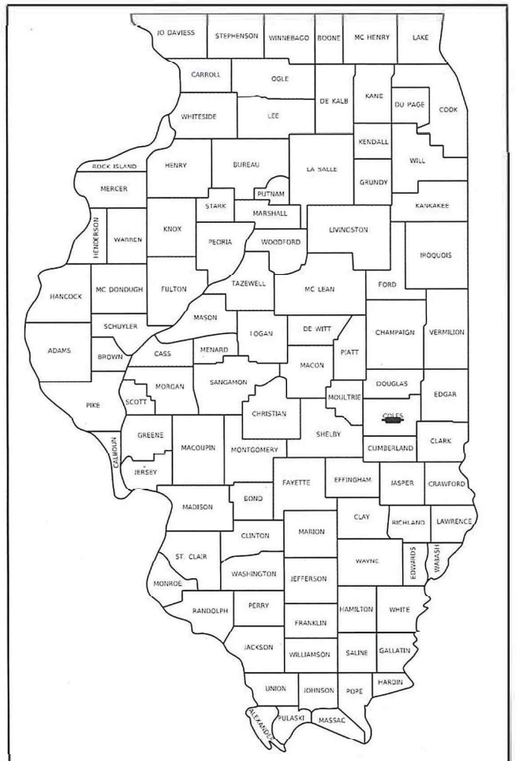
D–97–026–12

ADT (2019) = 3350

PROPOSED HIGHWAY PLANS

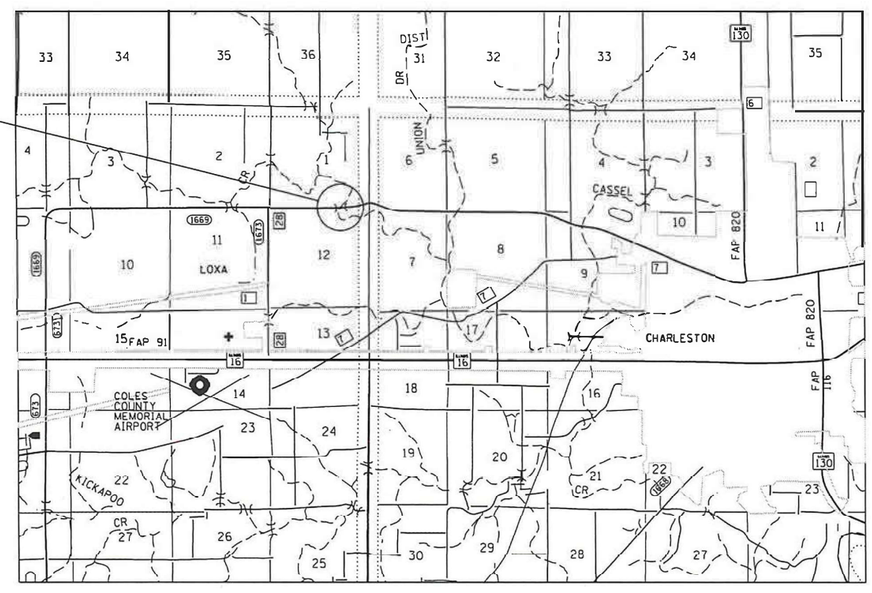
F.A.S. ROUTE 1669 (900 N)
SECTION (6BR)B–1
PROJECT STP–SJJJ(522)
BRIDGE REPLACEMENT
COLES COUNTY

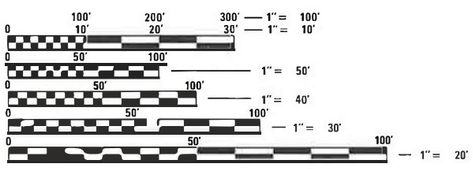
C–97–041–12



LOCATION OF SECTION INDICATED THUS:–

EXISTING SN 015-0068
STA 350+18.00
PROPOSED SN 015-0077
STA 350+20.00





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 EXCAVATORS
1–800–892–0123
OR 811

GROSS LENGTH = 1275 FT. = 0.241 MILE
NET LENGTH = 1275 FT. = 0.241 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED FEBRUARY 14 20 24
Jeffrey P. Myers
REGIONAL ENGINEER

March 21 20 25
ENGINEER OF DESIGN AND ENVIRONMENT

March 21 20 25
DIRECTOR OF HIGHWAYS, PROJECT IMPLEMENTATION

PROJECT ENGINEER: BRIAN BIERMAN
PROJECT MANAGER: JACQUELYN SEALS

CONTRACT NO. 74564

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

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GENERAL NOTES

THIS PROJECT IS LOCATED 0.3 MILES WEST OF CHARLESTON ON FAS 1669 (900N) IN COLES COUNTY SN 015-0068 CROSSES RILEY CREEK AND WILL BE REPLACED WITH SN 015-0077. THE WORK INCLUDES COMPLETE SUPERSTRUCTURE AND SUBSTRUCTURE REPLACEMENT, GUARDRAIL REPLACEMENT AND RESURFACING DONE UNDER A FULL ROAD CLOSURE.

THE MATERIAL USED FOR AGGREGATE SHOULDERS, TYPE B SHALL BE CRUSHED STONE, CRUSHED CONCRETE OR RAP. THE MATERIAL USED FOR AGGREGATE SURFACE COURSE, TYPE B SHAL BE CRUSHED STONE OR CRUSHED CONCRETE.

ONE NEW PERMANENT SURVEY MARKER SHALL BE CAST-IN-PLACE ON A LEVEL AND FLAT SURFACE ON THE ABUTMENT, WINGWALL OR PARAPET WALL FOR A PERMANENT BENCHMARK. LOCATION TO BE DETERMINED BY THE RESIDENT ENGINEER AND MAY CONSULT THE DISTRICT 7 CHIEF OF SURVEYS IF NECESSARY.

WHEN APPLYING SHORT TERM PAVEMENT MARKINGS, TEMPORARY TAPE SHALL BE USED ON THE SURFACE COURSE AND PAINT SHALL BE USED ON MILLED SURFACES.

THE LOCATIONS AND/OR DEPTHS OF UNDERGROUND UTILITIES SHOWN HAVE BEEN TAKE FROM INFORMATION FURNISHED BY THE UTILITY OWNERS AND MUST BE CONSIDERED APPROXIMATE. FIELD MARKINGS OF FACILITIES IN CRITICAL AREAS MAY BE OBTAINED BY PROVIDING A MINIMUM OF FORTY-EIGHT (48) HOURS ADVANCE NOTICE THROUGH THE J.U.L.I.E. SYSTEM BY CALLING 800-892-0123.

THE QUANTITY OF CHANNEL EXCAVATION INCLUDES ALL EXCAVATION NECESSARY FOR PLACMENT OF RIPRAP ACCORDING TO THE DETAILS SHOWN IN THE STRUCTURE PLANS.

THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER A MINIMUM OF 14 DAYS PRIOR TO THE ACTUAL ROAD CLOSURE. THE RESIDENT ENGINEER WILL IN TURN NOTIFY THE DISTRICT BUREAU OF OPERATIONS - TRAFFIC UNIT OF THE IMPENDING CLOSURE. THIS WILL ALLOW TIME FOR THE RESIDENT ENGINEER TO CONTACT EMERGENCY SERVICES (POLICE, FIRE, AMBULANCE, ETC.) AND COUNTY AND CITY ENGINEERS.

THE CONTRACTOR WILL NOT BE ALLOWED TO CLOSE THE ROAD WITHOUT THE 14 DAY NOTICE AND FAILURE TO PROVIDE PROPER NOTICE WILL DELAY THE ROAD CLOSURE. THIS NOTICE OF ROAD CLOSURE IS CONSIDERED TO BE PART OF THE CONTRACTOR'S APPROVED WORK SCHEDULE. DELAYS CAUSED BY FAILURE TO PROVIDE THE REQUIRED NOTICE SHALL NOT BE CONSIDERED JUSTIFICATION FOR A CHANGE IN THE COMPLETION DATE OR ADDITIONAL WORK DAYS.

FAS 1669 (900N) SHALL BE CLOSED TO TRAFFIC DURING THE REPLACEMENT OF SN 015-0068. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FIELD, PRIVATE, AND COMMERCIAL ENTRANCES LOCATED INSIDE THE ROAD CLOSURE AT ALL TIMES.

PAY ITEMS HAVE BEEN INCLUDED IN ORDER TO PROTECT THE RILEY CREEK INAI SITE. CARE SHALL BE TAKEN TO AVOID AND MINIMIZE IMPACTS TO THIS RESOURCE.

SILT FILTER FENCING PERIMETER EROSION BARRIER SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 280.04(b) OF IDOT STANDARDS AND SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AT THE LIMITS OF CONSTRUCTION ADJACENT TO RILEY CREEK.

THE CONTRACTOR SHALL NOT PLACE RAISED REFLECTIVE PAVEMENT MARKERS IN THE NEW CONCRETE BRIDGE DECK.

IF FEASIBLE, ANY EROSION CONTROL BLANKET MATERIAL SHALL BE NET AND PLASTIC FREE.

ALL ELEVATIONS REFER TO U.S.G.S. MEAN SEA LEVEL DATUM.

THE ENGINEER SHALL BE THE SOLE JUDGE REGARDING THE CURING TIMES FOR ALL HOT-MIX ASPHALT.

PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING STRUCTURES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY DIMENSIONS AND DETAILS IN THE FIELD AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIAL. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF THE WORK. THE CONTRACTOR WILL BE PAID FOR THE QUANTITY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

LOCATION(S)	MIXTURE USE(S)	PG	DESIGN AIR VOIDS	MIXTURE COMPOSITION	FRICTION AGGREGATE	MIXTURE WEIGHT	QUALITY MANAGEMENT PROGRAM	SUBLOT SIZE	MATERIAL TRANSFER DEVICE (REQUIRED?)
MAINLINE	HMA SURFACE COURSE, IL-9.5, MIX "C", N70	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	N70	QC/QA	3000	N/A
MAINLINE	HMA BINDER COURSE, IL-19.0, N70	PG 64-22	4.0% @ N=70	IL - 19.0	N/A	N70	QC/QA	3000	N/A
8" SHOULDER	HMA SURFACE COURSE, IL-9.5, MIX "C", N70 (TOP LIFT)	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	N70	QC/QA	3000	N/A
8" SHOULDER	HMA BINDER COURSE, IL-19.0, N70 (BOTTOM TWO LIFTS)	PG 64-22	4.0% @ N=70	IL - 19.0	N/A	N70	QC/QA	3000	N/A
INCIDENTAL	HMA SURFACE COURSE, IL-9.5, MIX "C", N70	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	N70	QC/QA	3000	N/A
HMA BASECOURSE	HMA BINDER COURSE, IL-19.0, N70 (ALL LIFTS)	PG 64-22	4.0% @ N=70	IL - 19.0	N/A	N70	QC/QA	3000	N/A

INDEX OF SHEETS

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED FOLLOWING THE LAST NUMBERED SHEET OF THE PLANS.

STANDARD NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-10	PAVEMENT JOINTS
420401-13	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
482011-03	HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
515001-04	NAME PLATES FOR BRIDGES
542401-04	METAL FLARED END SECTION FOR PIPE CULVERTS
630001-13	STEEL PLATE BEAM GUARDRAIL
630201-07	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631031-18	TRAFFIC BARRIER TERMINAL, TYPE 6
667101-02	PERMANENT SURVEY MARKERS
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24' FROM PAVEMENT EDGE
701901-10	TRAFFIC CONTROL DEVICES
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS OF RAISED REFLECTIVE PAVEMENT MARKINGS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
B.L.R. 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
B.L.R. 22-7	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

REV. - MS

80% FED
20% STATE

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 0010		
Z0016702	DETOUR SIGNING	L SUM	1	1		
Z0049799	PROTECTING OR RESETTING SURVEY MARKERS	EACH	1	1		
20200100	EARTH EXCAVATION	CU YD	220	220		
20300100	CHANNEL EXCAVATION	CU YD	305	305		
20700110	POROUS GRANULAR EMBANKMENT	TON	168	168		
25100630	EROSION CONTROL BLANKET	SQ YD	2525	2525		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	52	52		
28000305	TEMPORARY DITCH CHECKS	FOOT	110	110		
28000400	PERIMETER EROSION BARRIER	FOOT	2473	2473		
28100109	STONE RIPRAP, CLASS A5	SQ YD	735	735		
28200200	FILTER FABRIC	SQ YD	735	735		
35102400	AGGREGATE BASE COURSE, TYPE B 12"	SQ YD	655	655		
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	58	58		
35501320	HOT-MIX ASPHALT BASE COURSE, 9"	SQ YD	987	987		
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	41	41		

80% FED
20% STATE

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 0010		
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	2106	2106		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	1572	1572		
40600370	LONGITUDINAL JOINT SEALANT	FOOT	3317	3317		
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	25	25		
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	217	217		
40604052	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	TON	332	332		
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	7	7		
42000080	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	SQ YD	120	120		
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	58	58		
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	600	600		
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	58	58		
48101600	AGGREGATE SHOULDERS, TYPE B 8"	SQ YD	621	621		
44213204	TIE BARS 3/4"	EACH	7	7		
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	714	714		
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1		
50105220	PIPE CULVERT REMOVAL	FOOT	74	74		
50200100	STRUCTURE EXCAVATION	CU YD	110	110		
50200300	COFFERDAM EXCAVATION	CU YD	123	123		

• SPECIALTY ITEMS

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PLOT DATE = 2/14/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	3

CONTRACT NO. 74564

ILLINOIS | FED. AID PROJECT

80% FED
20% STATE

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 0010		
50201121	COFFERDAM (TYPE 2) (LOCATION - 1)	EACH	1	1		
50201122	COFFERDAM (TYPE 2) (LOCATION - 2)	EACH	1	1		
50300225	CONCRETE STRUCTURES	CU YD	161.1	161.1		
50300255	CONCRETE SUPERSTRUCTURE	CU YD	268.7	268.7		
50300260	BRIDGE DECK GROOVING	SQ YD	620	620		
50300300	PROTECTIVE COAT	SQ YD	779	779		
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	106.2	106.2		
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	130650	130650		
51201600	FURNISHING STEEL PILES HP12X53	FOOT	1413	1413		
51202305	DRIVING PILES	FOOT	1413	1413		
51203600	TEST PILE STEEL HP12X53	EACH	2	2		
51204650	PILE SHOES	EACH	28	28		
51500100	NAME PLATES	EACH	1	1		
54262712	METAL FLARED END SECTIONS 12"	EACH	2	2		

80% FED
20% STATE

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 0010		
54262715	METAL FLARED END SECTIONS 15"	EACH	2	2		
542D0217	PIPE CULVERTS, CLASS D, TYPE 1 12"	FOOT	50	50		
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	50	50		
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	70	70		
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	44	44		
60146304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	130	130		
• 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	138	138		
• 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	3	3		
• 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	3	3		
63200310	GUARDRAIL REMOVAL	FOOT	338	338		
64300260	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	1	1		
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	1	1		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	3		

• SPECIALTY ITEMS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	4

CONTRACT NO. 74564

ILLINOIS FED. AID PROJECT

80% FED
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SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 0010		
67100100	MOBILIZATION	L SUM	1	1		
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	28		
70300100	SHORT TERM PAVEMENT MARKING	FOOT	130	130		
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	43	43		
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	3173	3173		
• 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	3	3		
• 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	3173	3173		
• 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	16	16		
• 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	16	16		
X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.52	0.52		
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	2	2		
X4024000	TEMPORARY ACCESS (FIELD ENTRANCE)	EACH	1	1		
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	1408	1408		

80% FED
20% STATE

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 0010		
X7011800	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1	1		
X7011801	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 22	L SUM	1	1		
Z0001900	ASBESTOS BEARING PAD REMOVAL	EACH	30	30		
Z0004638	PAVEMENT BREAKING	SQ YD	987	987		

• SPECIALTY ITEMS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	5

CONTRACT NO. 74564

ILLINOIS | FED. AID PROJECT

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PAVING SCHEDULE					LENGTH	PAVEMENT WIDTH	AGGREGATE SURFACE COURSE, TYPE B	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	BITUMINOUS MATERIALS (TACK COAT)	BITUMINOUS MATERIALS (PRIME COAT)	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70 (2")	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	POROUS GRANULAR EMBANKMENT	AGGREGATE BASE COURSE, TYPE B 12"	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	HOT-MIX ASPHALT BASE COURSE, 9"	PAVEMENT BREAKING	LONGITUDINAL JOINT SEALANT
					FEET	FEET	TON	SQ YD	SQ YD	POUND	POUND	TON	TON	TON	SQ YD	SQ YD	SQ YD	SQ YD	FOOT
STA	345+50	TO	STA	347+75	225	24	0	600	0	270	720	67	0	0	0	0	0	0	675
STA	347+75	TO	STA	349+12	137	24	0	0	365	164	0	41	0	0	0	0	0	0	411
STA	349+12	TO	STA	349+25	13	24	0	0	35	23	0	4	2	0	0	0	0	0	52
STA	349+25	TO	STA	349+40	15	36	0	0	0	0	0	0	0	0	0	60	0	0	30
STA	349+40	TO	STA	349+67	27	36	0	0	0	0	0	0	0	0	0	0	0	0	42
BRIDGE OMISSION					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STA	350+85	TO	STA	351+00	15	36	0	0	0	0	0	0	0	0	0	0	0	0	30
STA	351+00	TO	STA	351+15	15	36	0	0	0	0	0	0	0	0	0	60	0	0	30
STA	351+15	TO	STA	352+00	85	24	0	0	0	51	510	25	0	0	241	0	227	227	340
STA	352+00	TO	STA	353+46	146	24	41	0	0	88	876	44	0	0	414	0	389	389	584
STA	353+46	TO	STA	354+85	139	24	0	0	0	83	0	42	0	168	0	0	371	371	536
STA	354+85	TO	STA	357+07	222	24	0	0	592	400	0	66	215	0	0	0	0	0	444
STA	357+07	TO	STA	358+50	143	24	0	0	381	172	0	43	0	0	0	0	0	0	143
				TOTALS:	1182		41	600	1373	1251	2106	332	217	168	655	120	987	987	3317

AGGREGATE SHOULDER SCHEDULE					SIDE	LENGTH	WIDTH	AGGREGATE SHOULDERS, TYPE B 8"
					LT/RT	FEET	FEET	SQ YD
STA	345+50	TO	STA	347+53	RT	203	3	68
STA	347+53	TO	STA	349+55	RT	202	1	22
STA	350+85	TO	STA	352+37	RT	152	1	15
STA	352+37	TO	STA	358+50	RT	613	3	204
STA	345+50	TO	STA	349+04	LT	354	3	118
STA	349+04	TO	STA	349+67	LT	63	1	5
STA	350+85	TO	STA	352+37	LT	152	1	17
STA	352+37	TO	STA	358+50	LT	613	3	172
				TOTALS:		2352		621

STRIPING SCHEDULE					LENGTH	PAINT PAVEMENT MARKING - LINE 4"	TEMPORARY PAVEMENT MARKING - LINE 4" - PAINT	SHORT-TERM PAVEMENT MARKING	SHORT-TERM PAVEMENT MARKING REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER
					FEET	FOOT	FOOT	FOOT	SQ FT	EACH
STA	345+50	TO	STA	347+98	248	806	806	25	8	3
STA	347+98	TO	STA	349+25	127	286	286	13	4	2
STA	349+25	TO	STA	351+15	190	428	428	19	6	2
STA	351+15	TO	STA	358+50	735	1654	1654	74	25	9
				TOTALS:	1300	3173	3173	130	43	16

HMA SHOULDER SCHEDULE					SIDE	LENGTH	WIDTH	HOT-MIX ASPHALT SHOULDERS, 8"	BITUMINOUS MATERIALS (TACK COAT)
					LT/RT	FEET	FEET	SQ YD	POUND
STA	345+50	TO	STA	347+53	RT	203	3	68	30
STA	347+53	TO	STA	347+95	RT	42	3-10	30	14
STA	347+95	TO	STA	348+30	RT	35	10	39	18
STA	348+30	TO	STA	348+52	RT	22	10-9	23	10
STA	348+52	TO	STA	349+25	RT	73	9	73	33
STA	349+25	TO	STA	349+55	RT	30	3	10	5
STA	350+85	TO	STA	351+38	RT	53	3	18	8
STA	351+38	TO	STA	351+60	RT	22	9-10	23	10
STA	351+60	TO	STA	351+95	RT	35	10	39	18
STA	351+95	TO	STA	352+37	RT	42	10-3	30	14
STA	352+37	TO	STA	353+75	RT	138	3	46	21
STA	345+50	TO	STA	349+04	LT	354	3	118	53
STA	349+04	TO	STA	349+67	LT	63	3	14	6
STA	350+85	TO	STA	351+15	LT	30	3	10	5
STA	351+15	TO	STA	351+85	LT	70	9	70	32
STA	351+85	TO	STA	352+07	LT	22	9-10	23	10
STA	352+07	TO	STA	352+37	LT	30	10	33	15
STA	352+37	TO	STA	353+75	LT	138	3	46	21
				TOTALS:				714	321

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	DRAWN -	REVISED -	
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PLOT DATE = 2/14/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	6

CONTRACT NO. 74564

ILLINOIS FED. AID PROJECT

SEEDING SCHEDULE					SIDE	LENGTH	SEEDING, CLASS 2 (SPECIAL)
					LT/RT	FEET	ACRE
STA	345+50	TO	STA	349+50	LT	400	0.005
STA	345+50	TO	STA	349+50	RT	400	0.163
STA	350+75	TO	STA	358+25	LT	750	0.160
STA	350+75	TO	STA	358+25	RT	750	0.194
				TOTALS:			0.52

SURVEY MARKERS SCHEDULE				PROTECTING OR RESETTING SURVEY MARKERS
STATION	OFFSET	DESCRIPTION	REPLACEMENT TYPE	EACH
353+76.11	0.0'	PC - MAG NAIL W/ WASHER	TYPE I - ALUM. IDOT DISK - FLUSH	1

EROSION CONTROL SCHEDULE					SIDE	LENGTH	TEMPORARY EROSION CONTROL SEEDING	PERIMETER EROSION BARRIER	EROSION CONTROL BLANKET	TEMPORARY DITCH CHECKS
					LT/RT	FEET	POUND	FOOT	SQ YD	FOOT
STA	345+50	TO	STA	349+50	LT	400	0.5	102	22	0
STA	345+50	TO	STA	349+50	RT	400	16.3	541	787	0
COFFERDAMS					-	-	0.0	224	0	0
STA	350+75	TO	STA	358+25	LT	750	16.0	783	774	60
STA	350+75	TO	STA	358+25	RT	750	19.4	823	941	50
				TOTALS:			52	2473	2525	110

GUARDRAIL SCHEDULE					IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	TRAFFIC BARRIER TERMINAL, TYPE 6	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	GUARDRAIL REMOVAL	GUARDRAIL REFLECTORS, TYPE A	TERMINAL MARKER - DIRECT APPLIED
					EACH	FT	EACH	EACH	FT	EACH	EACH
LT STA	349+41	TO	LT STA	349+67	1	-	-	-	26	4	-
LT STA	349+67	TO	LT STA	349+79	-	-	-	-	12	-	-
RT STA	348+05	TO	RT STA	348+55	-	-	-	1	27	1	1
RT STA	348+55	TO	RT STA	349+18	-	63	-	-	63	2	-
RT STA	349+18	TO	RT STA	349+55	-	-	1	-	37	1	-
RT STA	349+55	TO	RT STA	349+79	-	-	-	-	24	-	-
LT STA	350+61	TO	LT STA	350+85	-	-	-	-	24	-	-
LT STA	350+85	TO	LT STA	351+23	-	-	1	-	38	1	-
LT STA	351+23	TO	LT STA	351+85	-	62	-	-	26	2	-
LT STA	351+85	TO	LT STA	352+35	-	-	-	1	-	1	1
RT STA	350+61	TO	RT STA	350+85	-	-	-	-	24	-	-
RT STA	350+85	TO	RT STA	351+23	-	-	1	-	38	1	-
RT STA	351+23	TO	RT STA	351+35	-	13	-	-	-	1	-
RT STA	351+35	TO	RT STA	351+85	-	-	-	1	-	2	1
				TOTALS:	1	138	3	3	338	16	3

EARTHWORK SCHEDULE							
LOCATION			EARTH EXCAVATION (cut)	CHANNEL EXCAVATION (cut)	EARTH EXC ADJ. FOR SHRINKAGE	EMBANKMENT (fill)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
			CU YD	CU YD	CU YD	CU YD	CU YD
345+25	TO	345+50	0.46	0.0	0.3	2.31	-2.0
345+50	TO	345+75	0.46	0.0	0.3	8.33	-8.0
345+75	TO	346+00	0.00	0.0	0.0	14.35	-14.4
346+00	TO	346+25	0.00	0.0	0.0	20.37	-20.4
346+25	TO	346+50	0.00	0.0	0.0	29.17	-29.2
346+50	TO	346+75	0.46	0.0	0.3	34.26	-33.9
346+75	TO	347+00	0.93	0.0	0.7	33.80	-33.1
347+00	TO	347+25	0.46	0.0	0.3	33.80	-33.4
347+25	TO	347+50	0.46	0.0	0.3	40.74	-40.4
347+50	TO	347+75	0.93	0.0	0.7	46.76	-46.1
347+75	TO	348+00	0.93	0.0	0.7	46.30	-45.6
348+00	TO	348+25	0.93	0.0	0.7	42.59	-41.9
348+25	TO	348+50	0.93	0.0	0.7	40.28	-39.6
348+50	TO	348+75	0.93	0.0	0.7	41.67	-41.0
348+75	TO	349+00	0.93	0.0	0.7	42.13	-41.4
349+00	TO	349+25	0.46	0.0	0.3	42.13	-41.8
349+25	TO	349+50	0.00	0.0	0.0	55.56	-55.6
CHANNEL EXCAVATION			0.00	305.0	228.8	0.00	228.8
350+75	TO	351+00	0.00	0.0	0.0	93.06	-93.1
351+00	TO	351+25	0.00	0.0	0.0	90.74	-90.7
351+25	TO	351+50	0.00	0.0	0.0	80.09	-80.1
351+50	TO	351+75	0.00	0.0	0.0	71.76	-71.8
351+75	TO	352+00	0.00	0.0	0.0	68.52	-68.5
352+00	TO	352+25	0.00	0.0	0.0	58.80	-58.8
352+25	TO	352+50	0.00	0.0	0.0	59.72	-59.7
352+50	TO	352+75	0.00	0.0	0.0	57.87	-57.9
352+75	TO	353+00	0.00	0.0	0.0	45.83	-45.8
353+00	TO	353+25	0.00	0.0	0.0	41.20	-41.2
353+25	TO	353+50	1.39	0.0	1.0	36.57	-35.5
353+50	TO	353+75	3.24	0.0	2.4	29.17	-26.7
353+75	TO	354+00	6.02	0.0	4.5	21.76	-17.2
354+00	TO	354+25	8.80	0.0	6.6	18.52	-11.9
354+25	TO	354+50	8.33	0.0	6.3	12.04	-5.8
354+50	TO	354+75	10.19	0.0	7.6	9.72	-2.1
354+75	TO	355+00	12.96	0.0	9.7	11.11	-1.4
355+00	TO	355+25	12.50	0.0	9.4	9.26	0.1
355+25	TO	355+50	12.04	0.0	9.0	7.41	1.6
355+50	TO	355+75	12.04	0.0	9.0	6.02	3.0
355+75	TO	356+00	11.57	0.0	8.7	4.17	4.5
356+00	TO	356+25	9.72	0.0	7.3	2.31	5.0
356+25	TO	356+50	12.50	0.0	9.4	1.39	8.0
356+50	TO	356+75	14.35	0.0	10.8	1.39	9.4
356+75	TO	357+00	12.04	0.0	9.0	1.39	7.6
357+00	TO	357+25	12.04	0.0	9.0	0.46	8.6
357+25	TO	357+50	14.81	0.0	11.1	0.00	11.1
357+50	TO	357+75	17.13	0.0	12.8	0.00	12.8
357+75	TO	358+00	11.57	0.0	8.7	0.93	7.8
358+00	TO	358+25	5.56	0.0	4.2	1.39	2.8
358+25	TO	358+50	2.31	0.0	1.7	0.46	1.3
PAVEMENT EMBANKMENT			0.00	0.0	0.0	87.65	-87.6
		TOTALS:	220	305	394	1505	-1111

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PLOT DATE = 2/14/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

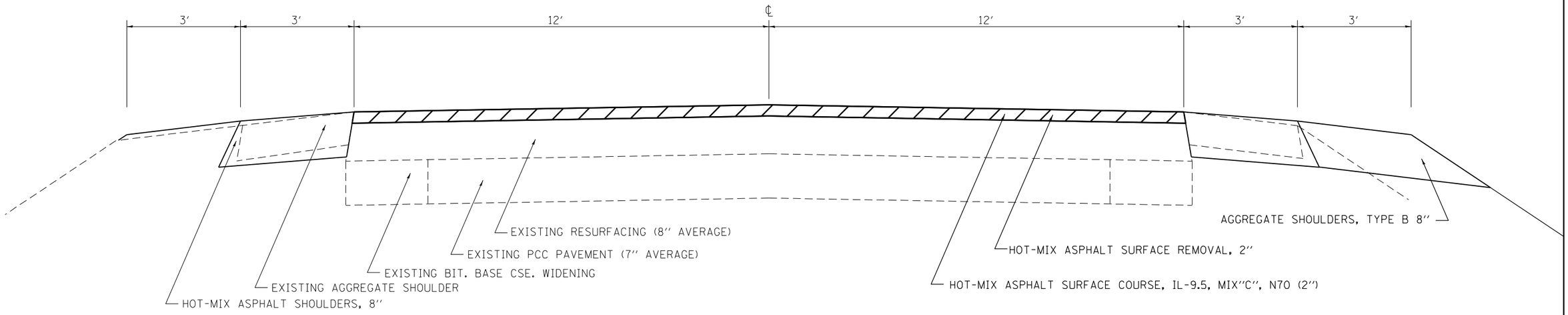
SCHEDULE OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	7

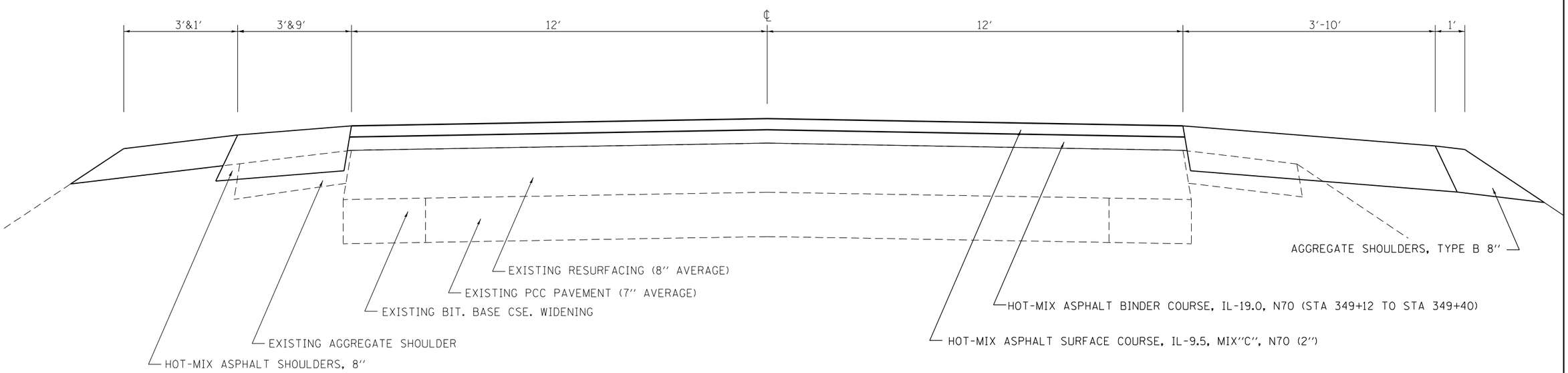
CONTRACT NO. 74564

ILLINOIS FED. AID PROJECT



TYPICAL SECTION

STA 345+50 TO STA 347+75



TYPICAL SECTION

STA 347+75 TO STA 349+25

(PROPOSED PAVEMENT ELEVATION DIFFERENCE AT STA 349+25 = 0.22')

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PLOT DATE = 2/14/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

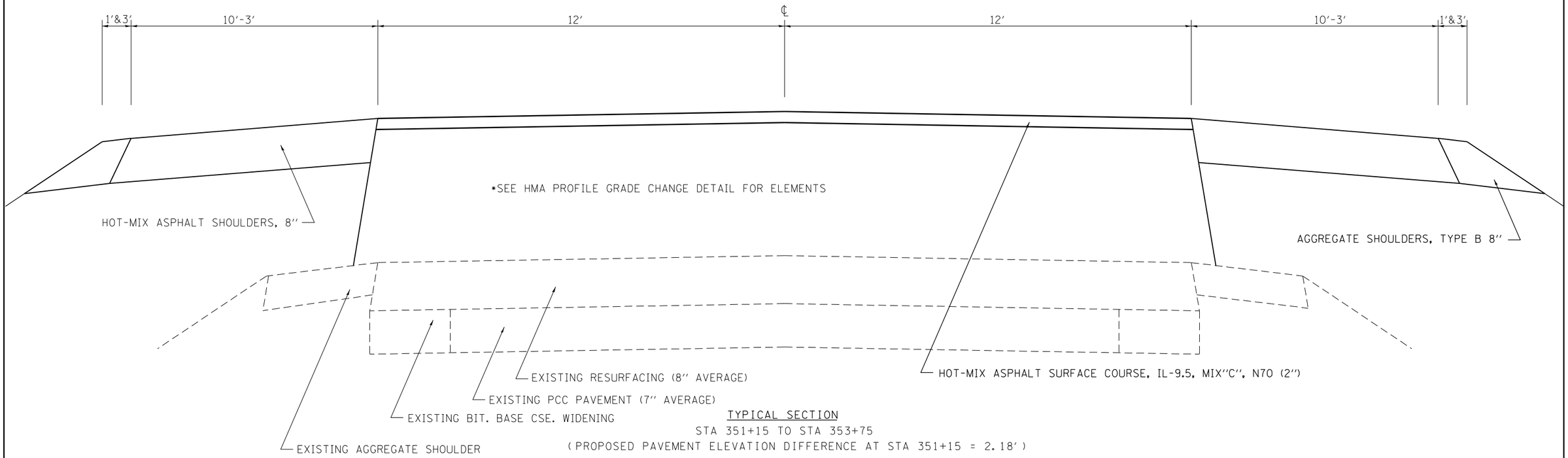
TYPICALS

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

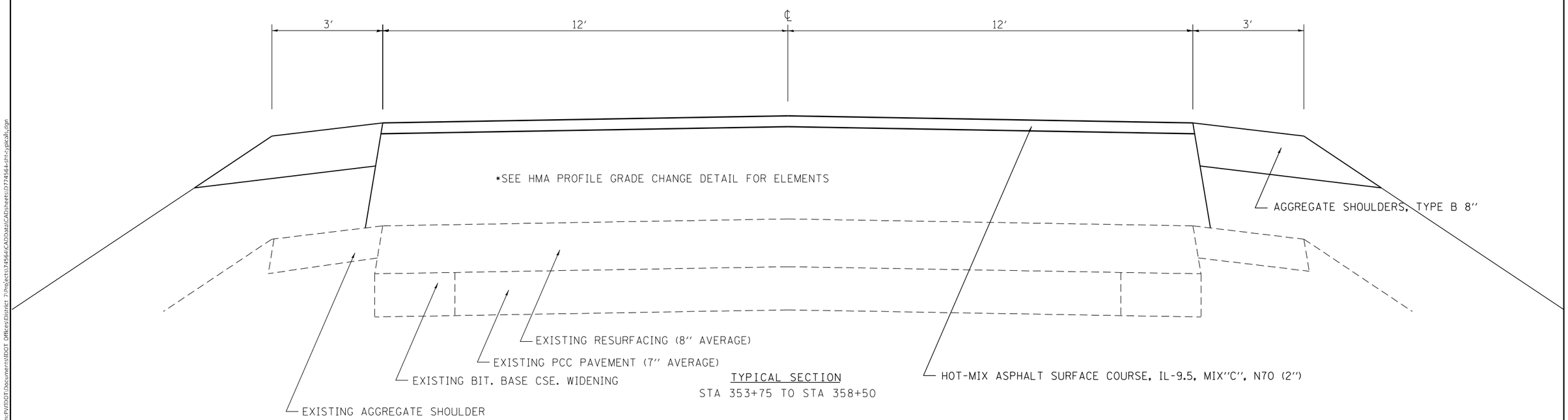
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	8

CONTRACT NO. 74564

ILLINOIS | FED. AID PROJECT



TYPICAL SECTION
STA 351+15 TO STA 353+75
(PROPOSED PAVEMENT ELEVATION DIFFERENCE AT STA 351+15 = 2.18')



TYPICAL SECTION
STA 353+75 TO STA 358+50

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	DRAWN -	REVISED -					1669	(6BR)B-1	COLES	71	9
PLOT SCALE = 99.9998 ' / in.	CHECKED -	REVISED -							CONTRACT NO. 74564		
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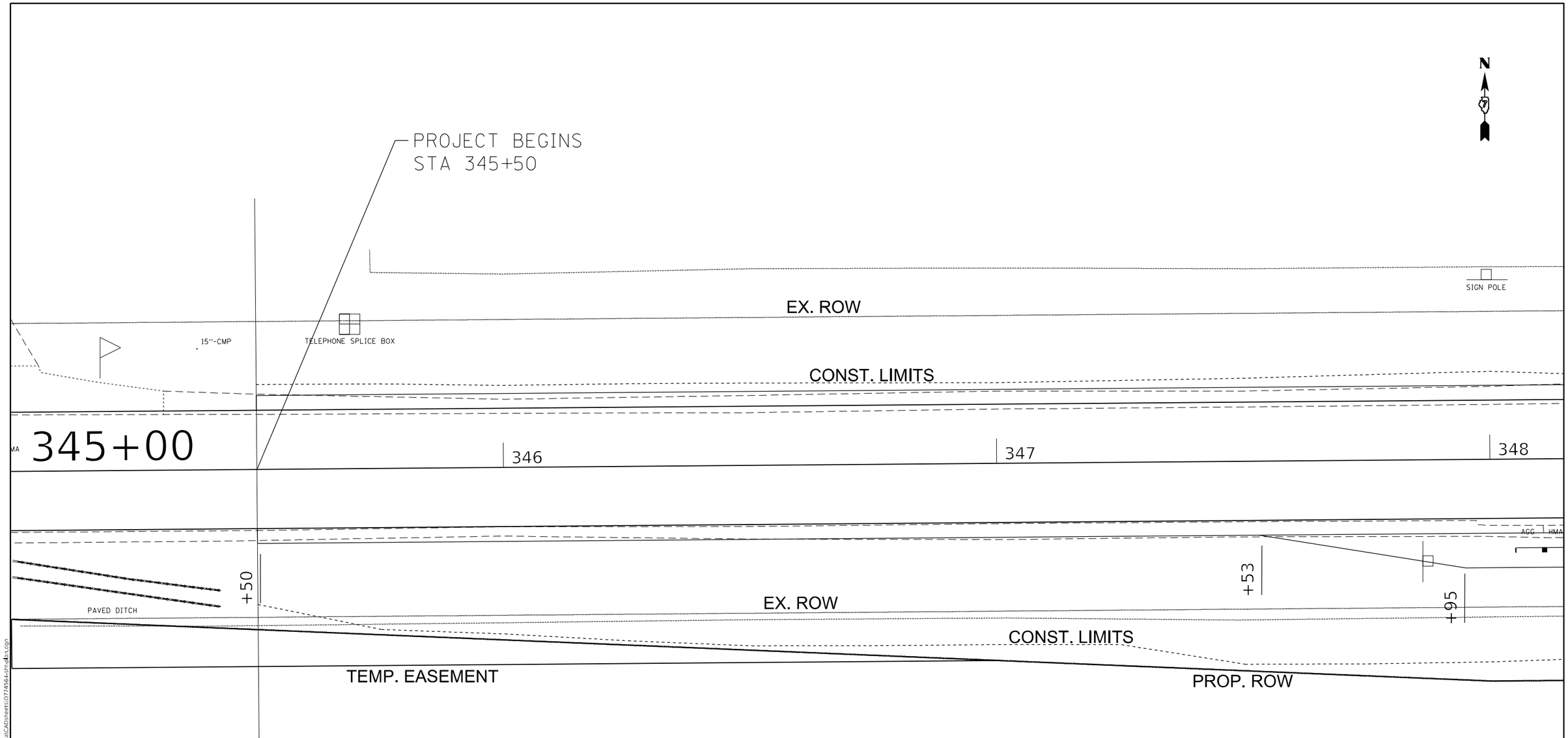

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	10
		CONTRACT NO. 74564		
	ILLINOIS	FED. AID PROJECT		

IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3

N

WARNING SIGN
Gas

P.E.

HEADWALL
BROKEN

24"-CLAY

HEADWALL

POLE

PROP. ROW

TIMBER EDGE

TEMP. EASEMENT

EX. ROW

CONST. LIMITS

+04

+24

+67

CONC

RIPRAP

CONC
Buried

CONC
Buried

RIPRAP

CONC

+85

+00

AGG

HMA

AGG

HMA

PCC CONNECTOR

PCC APPROACH

EXPANSION JOINT

350+00

PCC APPROACH

PCC CONNECTOR

348

349

351

AGG

HMA

CONC
FOOTING
Buried

BM 610

RIPRAP

GUARDRAIL LENGTH
OF NEED = 137.5'

+30

+52

+25

+40

+55

RIPRAP

CONC
FOOTING

EX. ROW

TELEPHONE SPLICE

+85

GUARD
OF NEE

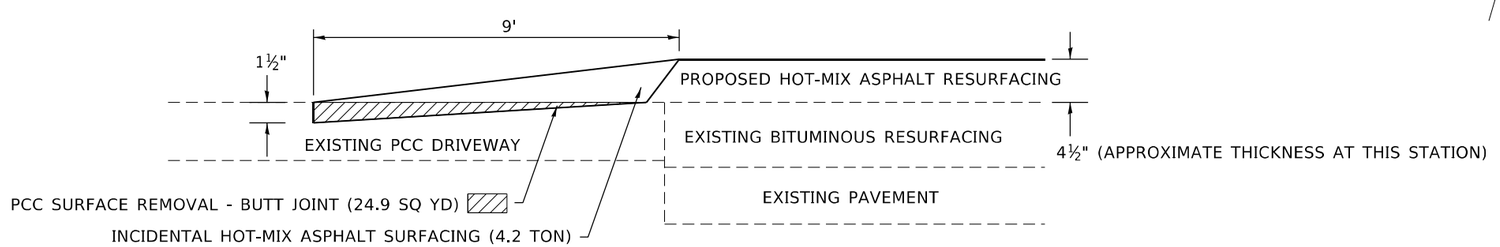
TIMBER EDGE

Stream

CONST. LIMITS

TEMP. EASEMENT

PROP. ROW



ENTRANCE PAVING DETAIL

LT STA 349+16

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PLOT DATE = $DATE$	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

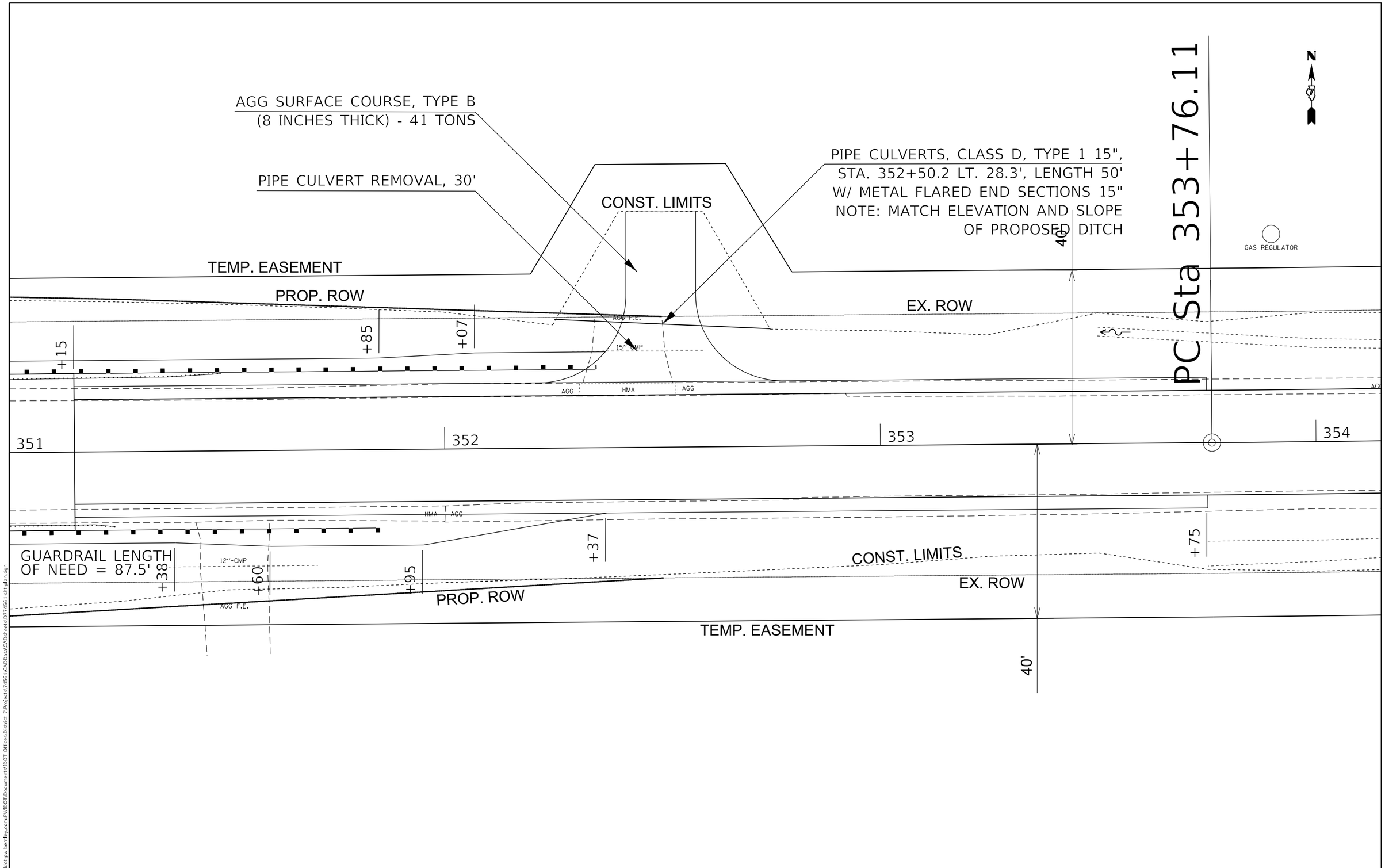
PLAN SHEET

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	11

CONTRACT NO. 74564

ILLINOIS | FED. AID PROJECT



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PLOT DATE = 2/14/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

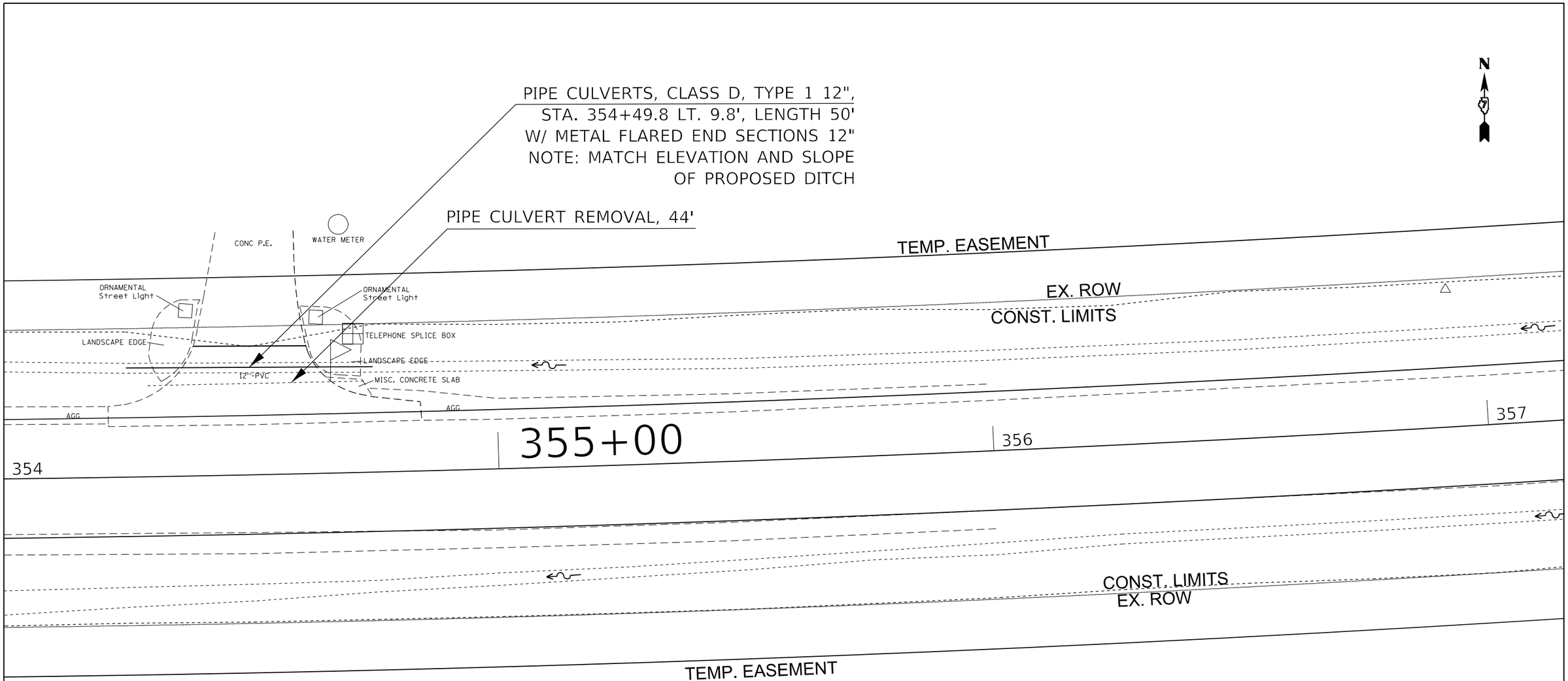
PLAN SHEET

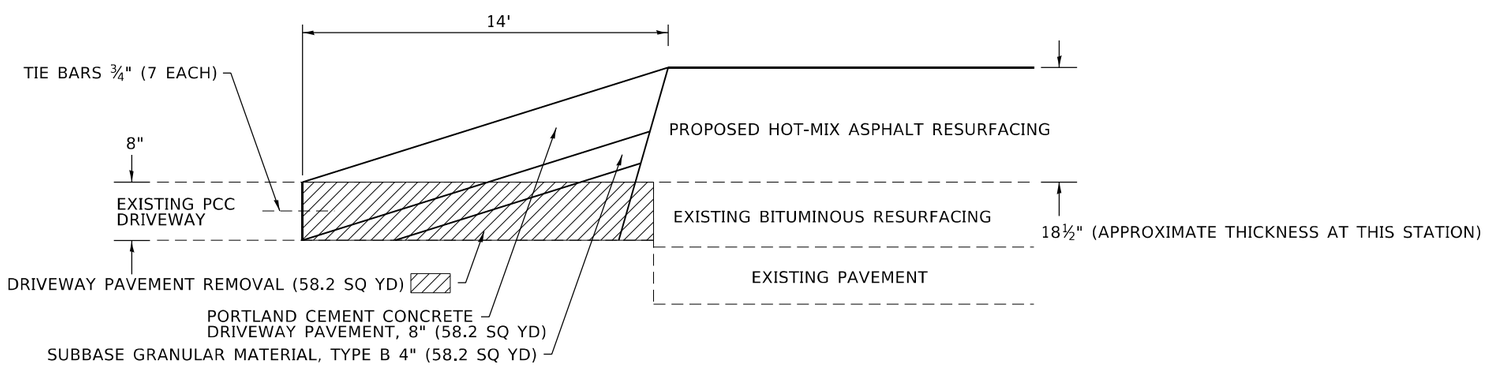
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	12

CONTRACT NO. 74564

ILLINOIS FED. AID PROJECT





ENTRANCE PAVING DETAIL

LT STA 354+50

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

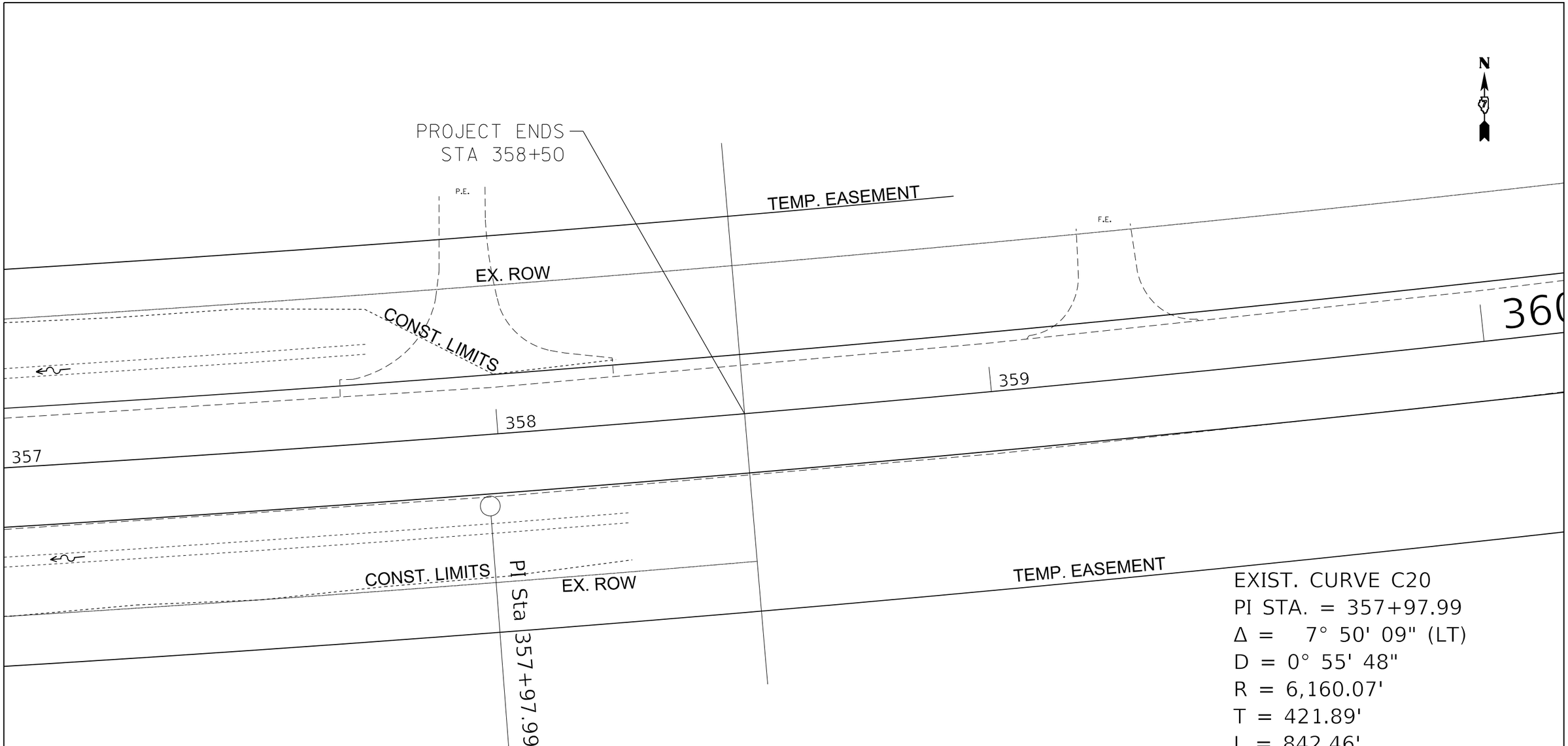
PLAN SHEET

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

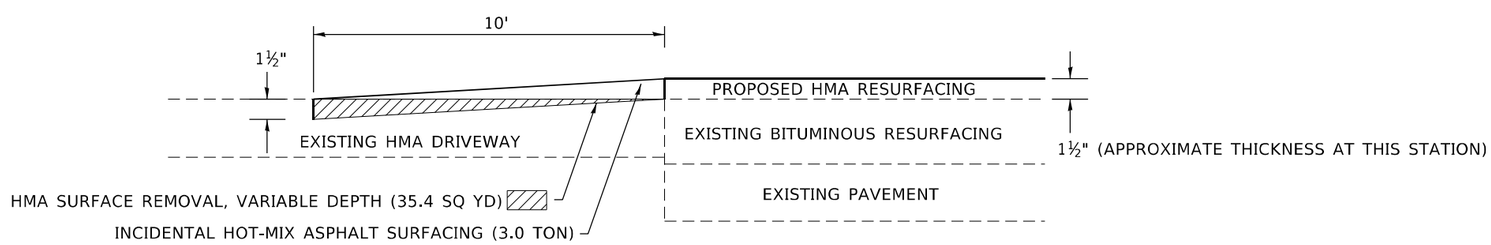
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	13

CONTRACT NO. 74564

ILLINOIS | FED. AID PROJECT



EXIST. CURVE C20
PI STA. = 357+97.99
Δ = 7° 50' 09" (LT)
D = 0° 55' 48"
R = 6,160.07'
T = 421.89'
L = 842.46'
E = 14.43'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 353+76.11
P.T. STA. = 362+18.56



ENTRANCE PAVING DETAIL
LT STA 357+97

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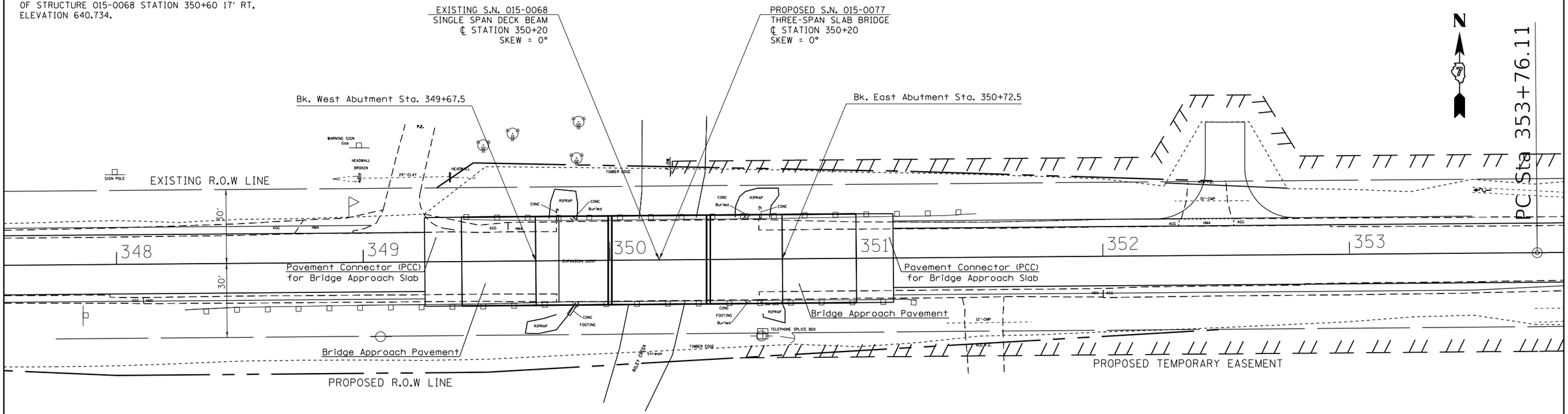
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

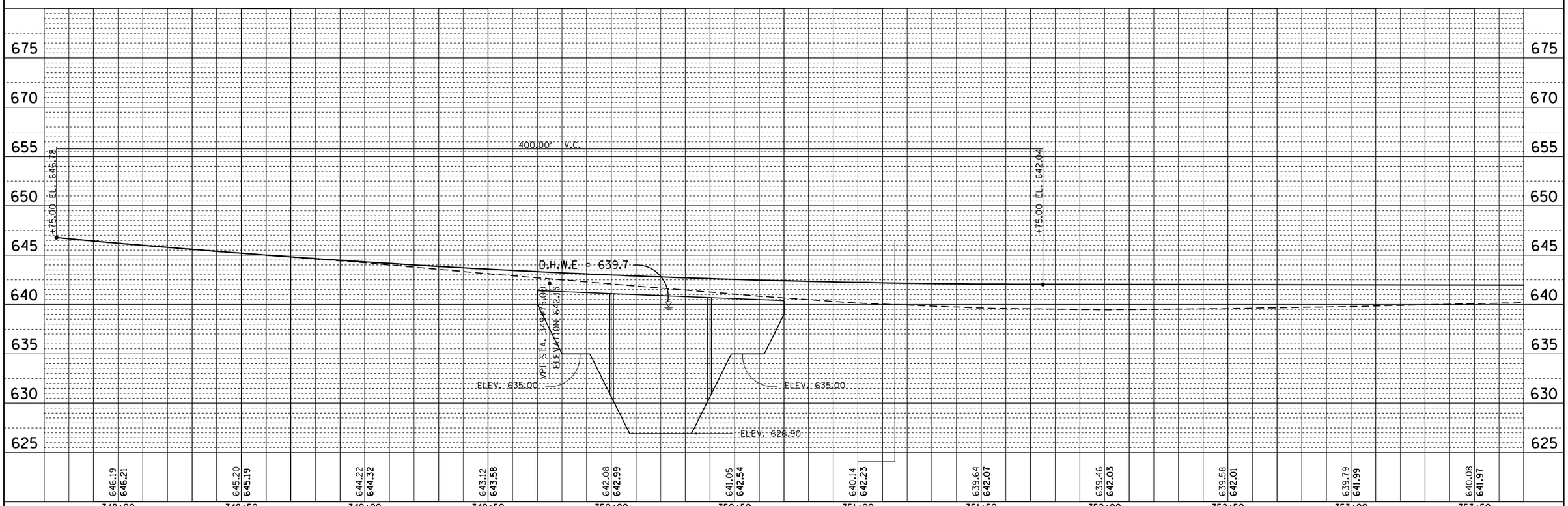
PLAN SHEET

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	14
		CONTRACT NO. 74564		
	ILLINOIS	FED. AID PROJECT		

BENCHMARK: 610
CHISELED SQUARE ON THE SOUTHEAST ABUTMENT
OF STRUCTURE 015-0068 STATION 350+60 17' RT.
ELEVATION 640.734.





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Default	PLOT DATE = 2/14/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
015-0068(Existing), 015-0077(Proposed)

SCALE: | SHEET 1 OF 2 SHEETS | STA. 347+70 TO STA. 353+70

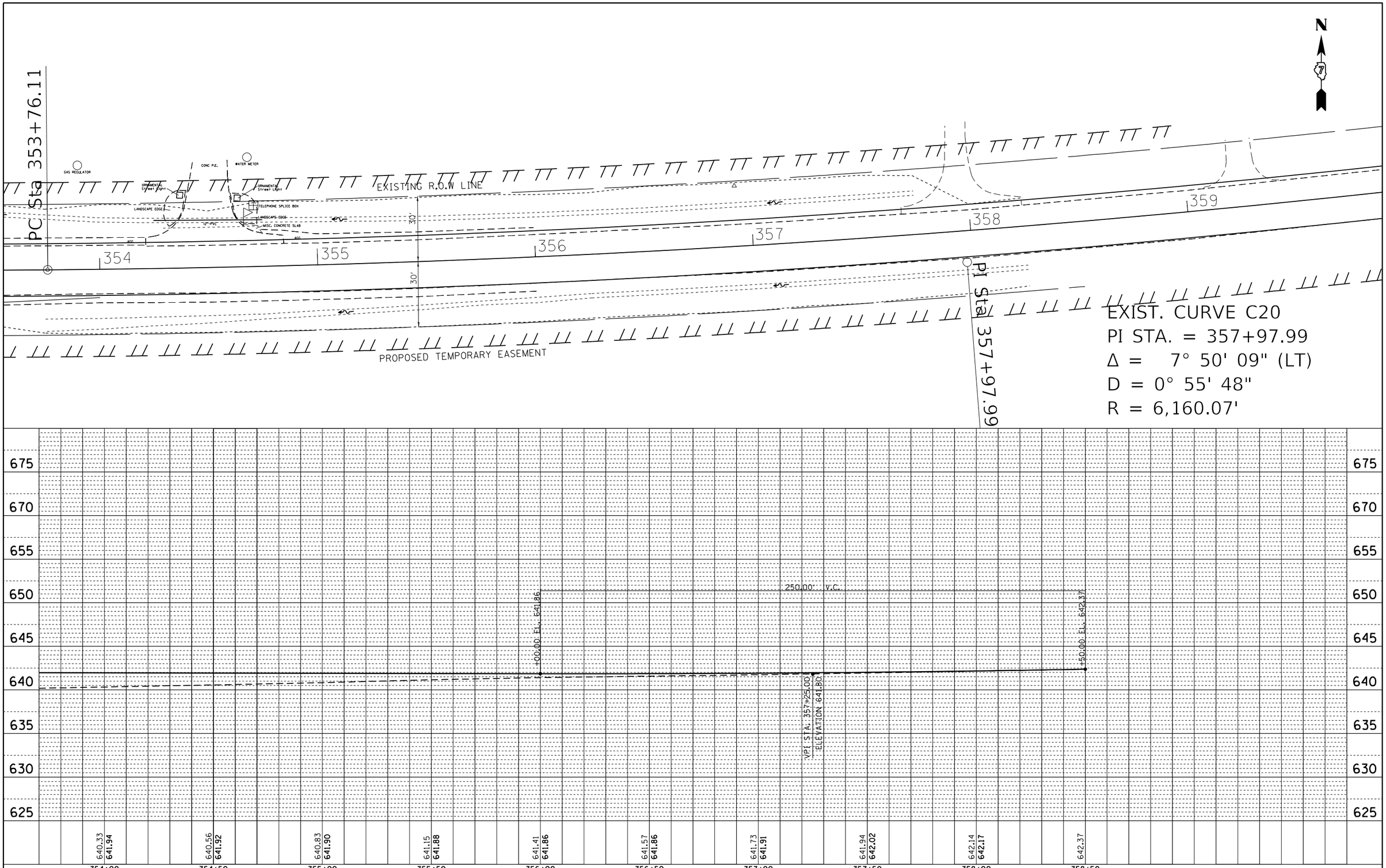
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	15

CONTRACT NO. 74564

ILLINOIS FED. AID PROJECT

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
PROFILE CHECKED
BM. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE



PLAN		BY	DATE
SURVEYED			
PLOTTED			
ALIGNMENT CHECKED			
RT. OF WAY CHECKED			
CADD FILE NAME			
NOTE BOOK NO.			

PROFILE		BY	DATE
SURVEYED			
PLOTTED			
GRADES CHECKED			
BM. NOTED			
STRUCTURE NOTATNS CHKD			
NOTE BOOK NO.			

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	PLOT DATE = 2/14/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

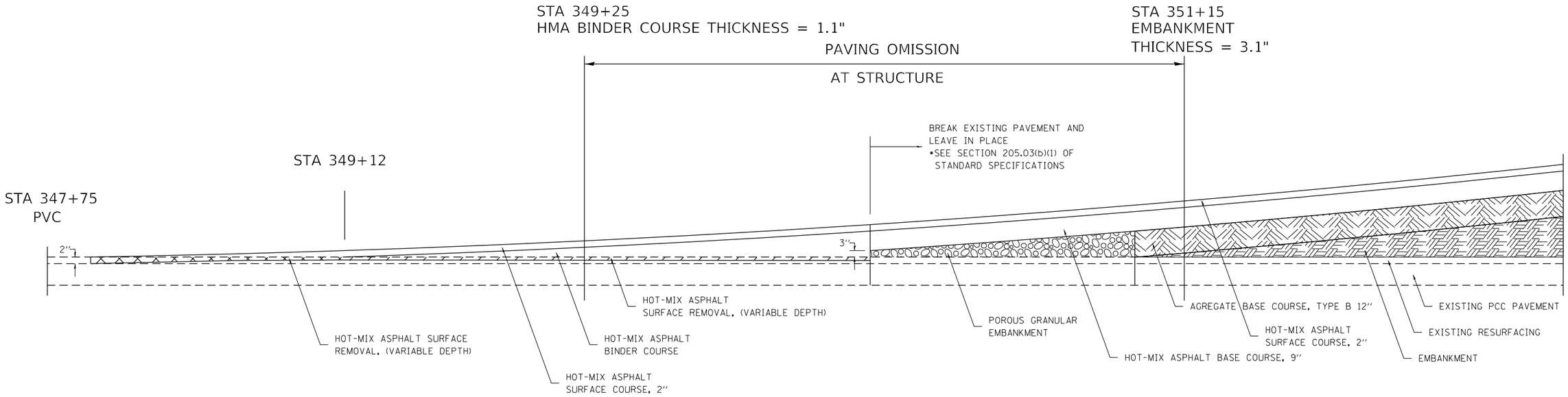
PLAN AND PROFILE
015-0068(Existing), 015-0077(Proposed)

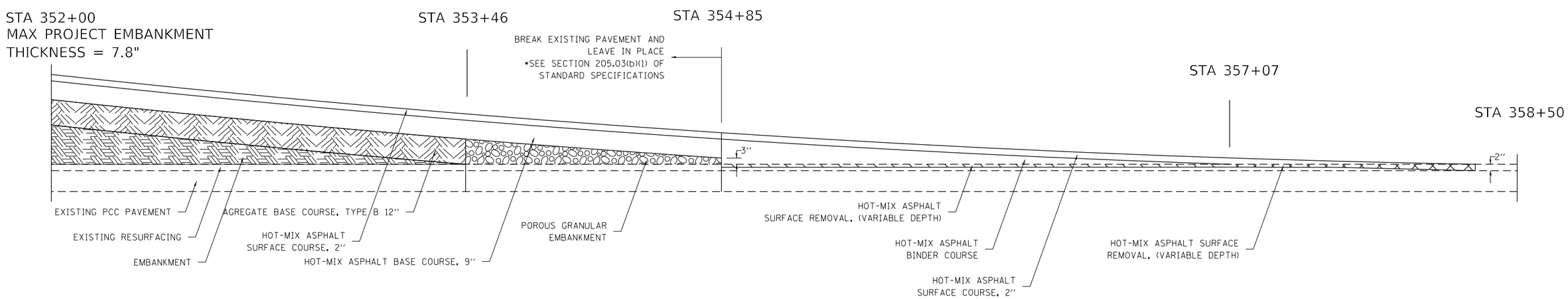
SCALE: | SHEET 2 OF 2 SHEETS | STA. 353+70 TO STA. 358+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	16

CONTRACT NO. 74564

ILLINOIS FED. AID PROJECT





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PLOT DATE = 2/14/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

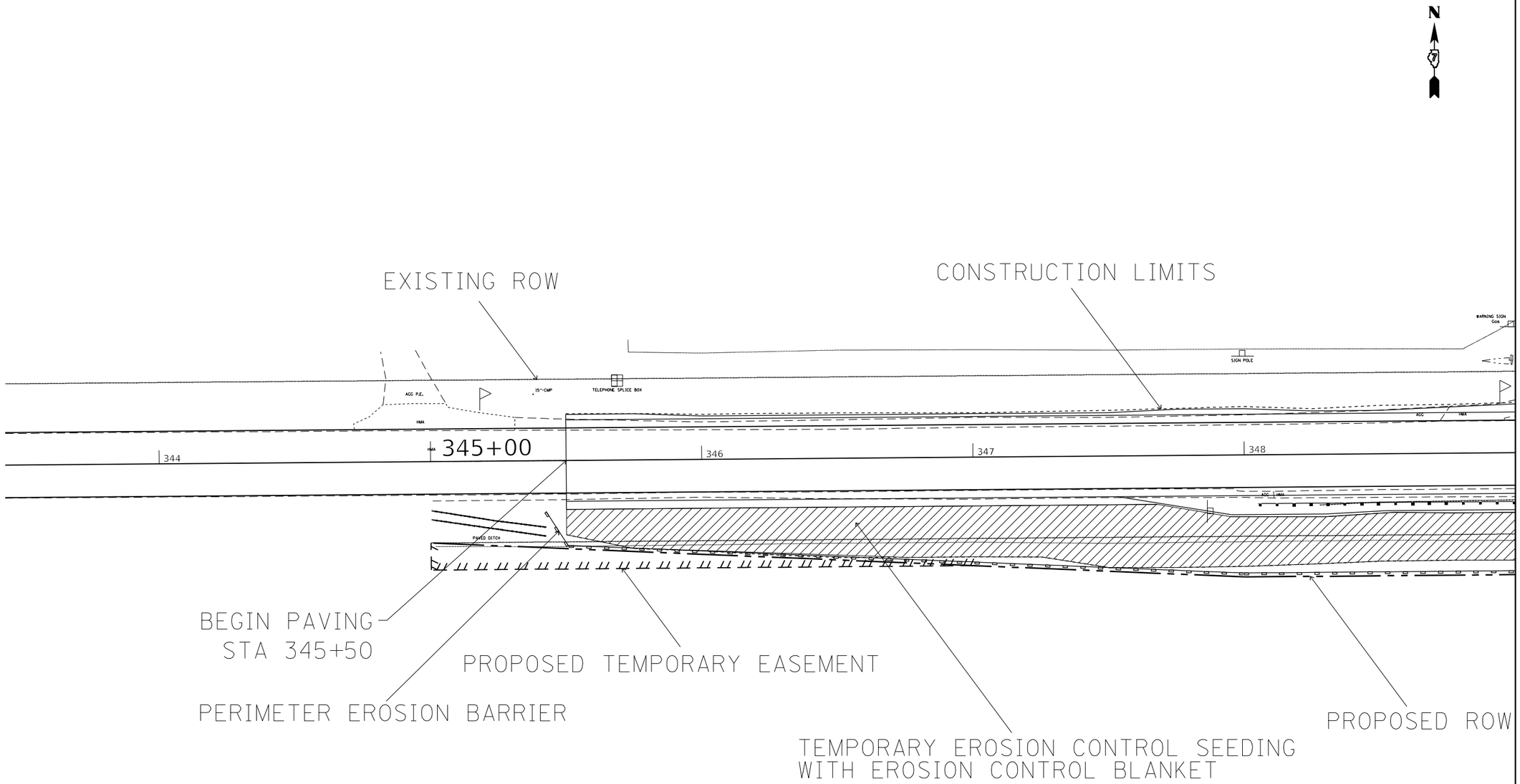
HMA PROFILE GRADE CHANGE DETAIL

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	17

CONTRACT NO. 74564

ILLINOIS | FED. AID PROJECT



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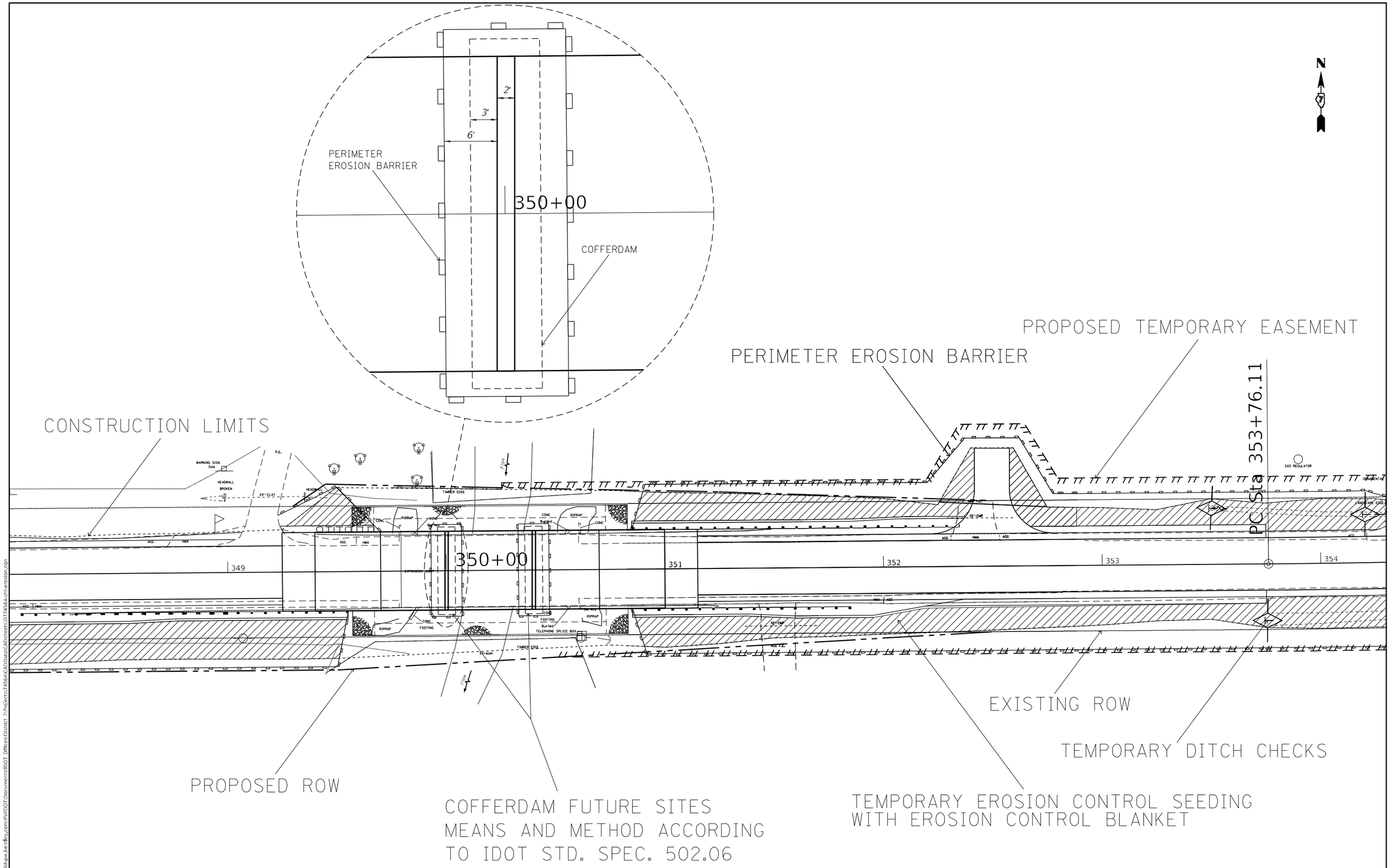
PLOT DATE = 2/14/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	18
		CONTRACT NO. 74564		
	ILLINOIS	FED. AID PROJECT		



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PLOT DATE = 2/14/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

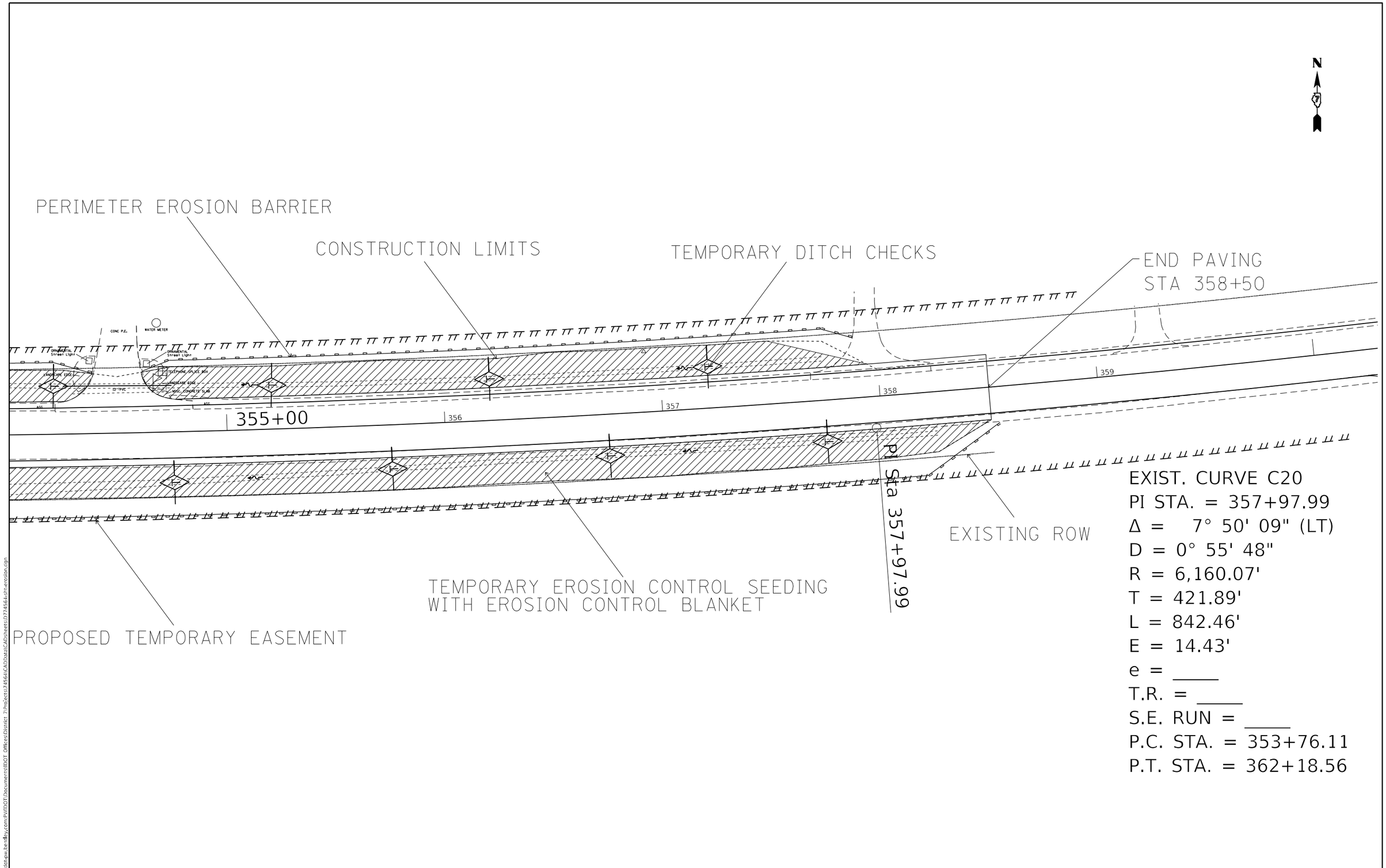
EROSION CONTROL PLAN

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	19

CONTRACT NO. 74564

ILLINOIS | FED. AID PROJECT



EXIST. CURVE C20
PI STA. = 357+97.99
Δ = 7° 50' 09" (LT)
D = 0° 55' 48"
R = 6,160.07'
T = 421.89'
L = 842.46'
E = 14.43'
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 353+76.11
P.T. STA. = 362+18.56

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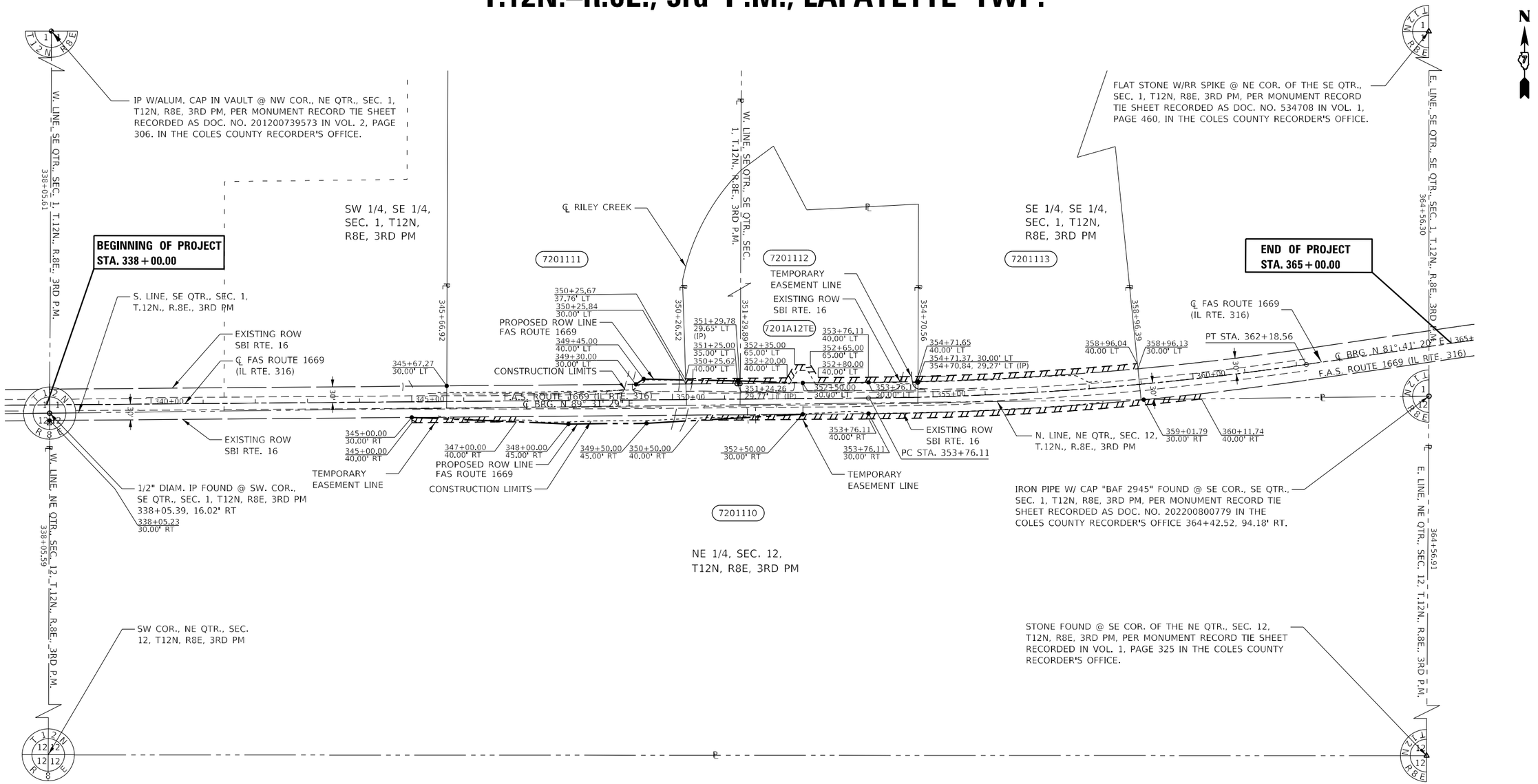
	DRAWN -	REVISED -					1669	(6BR)B-1	COLES	71 / 20
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -							CONTRACT NO. 74564	
PLOT DATE = 2/14/2024	DATE -	REVISED -		SCALE:	SHEET OF SHEETS	STA. TO STA.		ILLINOIS	FED. AID PROJECT	

T.12N.–R.8E., 3rd P.M., LAFAYETTE TWP.



△ - STONE FOUND
○ - IRON PIN FOUND
⊘ - PERMANENT SURVEY MARKER
⌑ - NAIL FOUND
⊠ - ROW MARKER
• - FENCE POST
⊗ - NAIL SET
● - IRON PIN W/ IDOT CAP SET
(R) - RECORDED DISTANCE

NOTE:
BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE DATUM OF 1983(07)

EXIST. CURVE C20
PI STA. = 357+97.99
Δ = 7° 50' 09" (LT)
D = 0° 55' 48"
R = 6,160.07'
T = 421.89'
L = 842.46'
E = 14.43'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 353+76.11
P.T. STA. = 362+18.56

PARCEL	OWNER	AREA TAKEN		EASEMENT	REM. AREA	INST	RECORDED				EXCESS	
		ADD	EXIST				MICRO FILM NO.	DATE	BOOK	PAGE	AREA	SOLD
7201110	STEPHEN R. & JACALYN M. SWANGO	0.326 AC.	0.617 AC.	0.209 AC.	158.775 AC.							
7201111	DONALD M. II & DEBRA J. SANDERCOCK	0.018 AC.	0.443 AC.		8.310 AC.							
7201112	THOMAS G. & DEBRA L. PORTER		0.432 AC.		3.655 AC.							
7201A12TE	THOMAS G. & DEBRA L. PORTER			0.105 AC.								
7201113TE	THOMAS G. & DEBRA L. PORTER			0.097 AC.								

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PLOT DATE = 2/14/2024	DATE - 05/05/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLANS

PROJECT: STP-SJJJ(522)
SCALE: 1" = 100' | SHEET 2 OF 2 SHEETS | STA. 338+00 TO STA. 365+00 | JOB NO. R-97-001-22

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	21	71

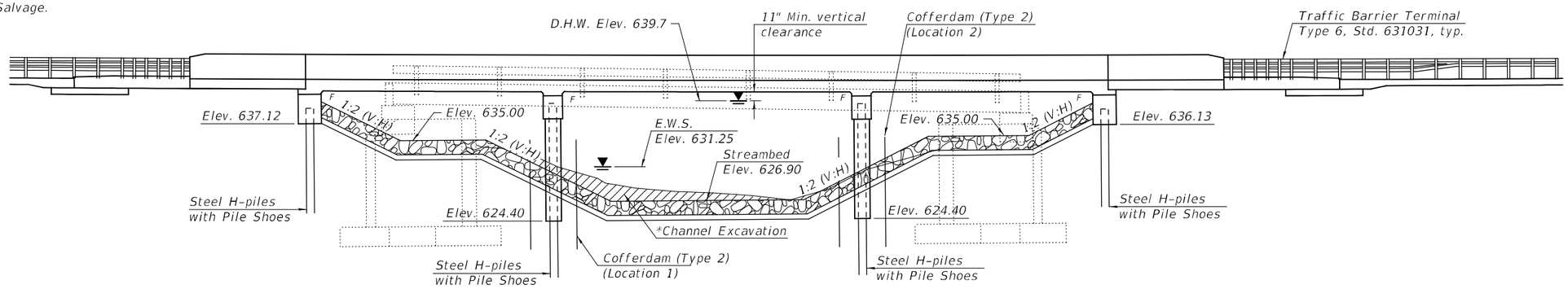
CONTRACT NO. 74564
FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT STP-SJJJ(522)

Benchmark: Chiseled " □ " on Southeast abutment of S.N. 015-0068; Sta. 350+60.00, 17' Rt. of ℄. Elev. 640.734

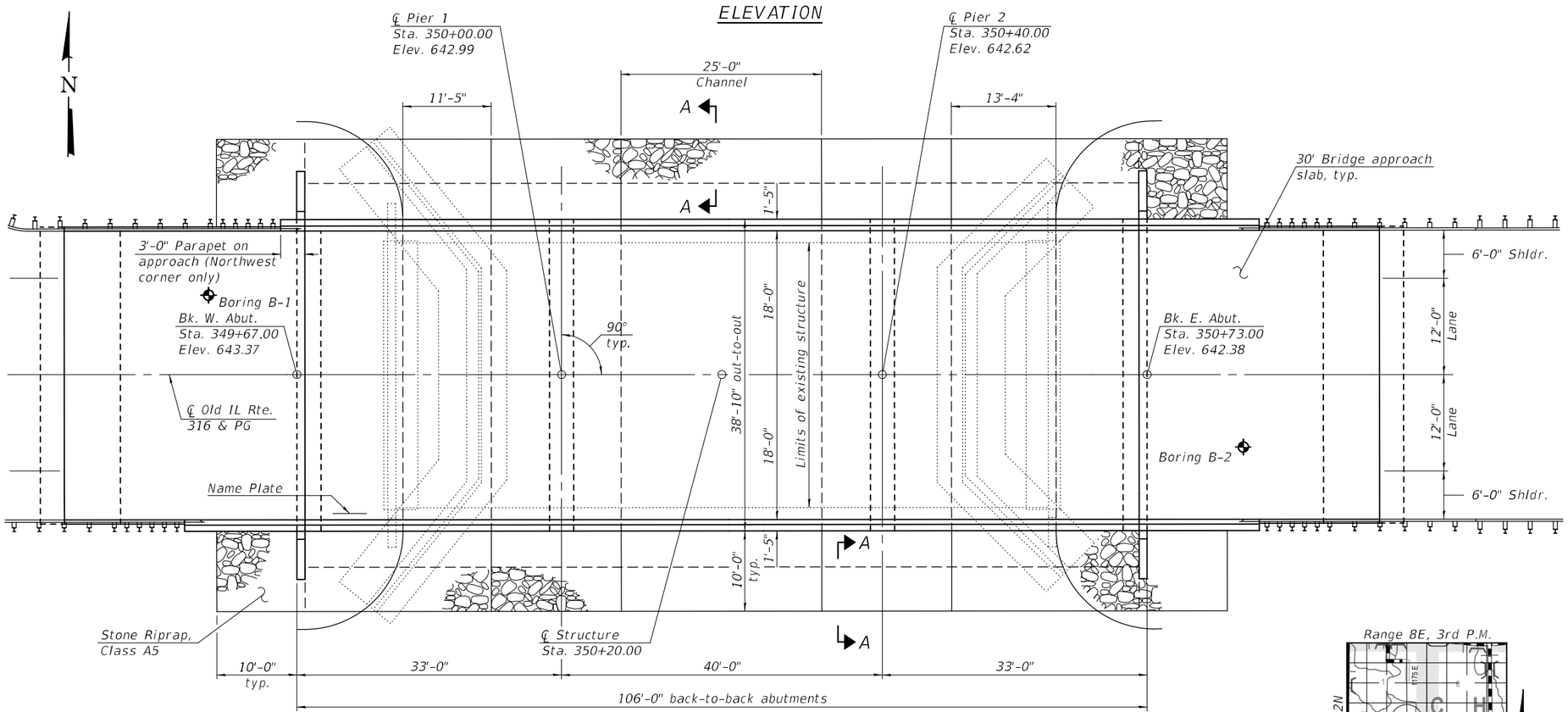
Existing Structure: S.N. 015-0068 was built in 1982 as F.A.S. Route 1669, Section 6BR at Sta. 350+18.00. The existing structure consists of a single span precast prestressed concrete deck beam superstructure supported on pile bent abutments with steel H-piles. The back-to-back abutment length is 84'-4" and the out-to-out width of deck is 33'-0". The existing structure is to be removed and replaced. Road will be closed during construction.

No Salvage.

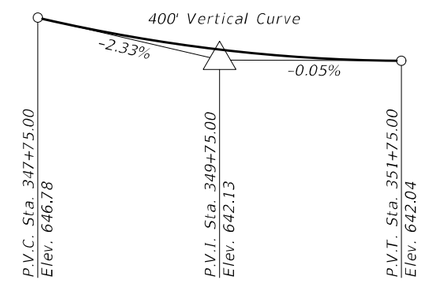
*Hatched area indicates channel excavation. See Roadway Plans for quantity.



ELEVATION



PLAN



PROFILE GRADE
(Along ℄ Old IL Rte. 316)

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

DESIGN STRESSES

FIELD UNITS

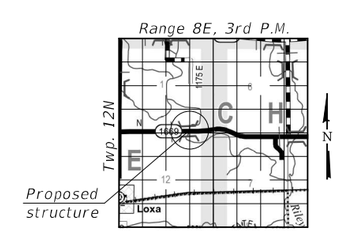
f'c = 3,500 psi
f'c = 4,000 psi (Superstructure concrete)
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (Structural steel M270 Grade 50 for steel H-piles)

LOADING HL-93

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

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (SD1) = .123g
Design Spectral Acceleration at 0.2 sec. (SDS) = .266g
Soil Site Class = C



LOCATION SKETCH

GENERAL PLAN & ELEVATION
OLD ILLINOIS ROUTE 316 OVER RILEY CREEK
F.A.S. RTE. 1669 - SEC. (6BR)B-1
COLES COUNTY
STATION 350+20.00
STRUCTURE NO. 015-0077

LICENSED STRUCTURAL ENGINEER JAYME F. SCHIFF 081-005540 STATE OF ILLINOIS
EXPIRES 11-30-2026

DESIGNED - RYAN P. NEGANGARD	EXAMINED	ENGINEER OF BRIDGE DESIGN	DATE - 3/17/2025
CHECKED - TIFFANY L. MEIER / HAREEM I. DAR	PASSED	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -
DRAWN - GLENN W. STOVER			REVISED -
CHECKED - R.P.N. / G.R.A.			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET 1 OF 23 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	22
		CONTRACT NO. 74564		
		ILLINOIS	FED. AID PROJECT	

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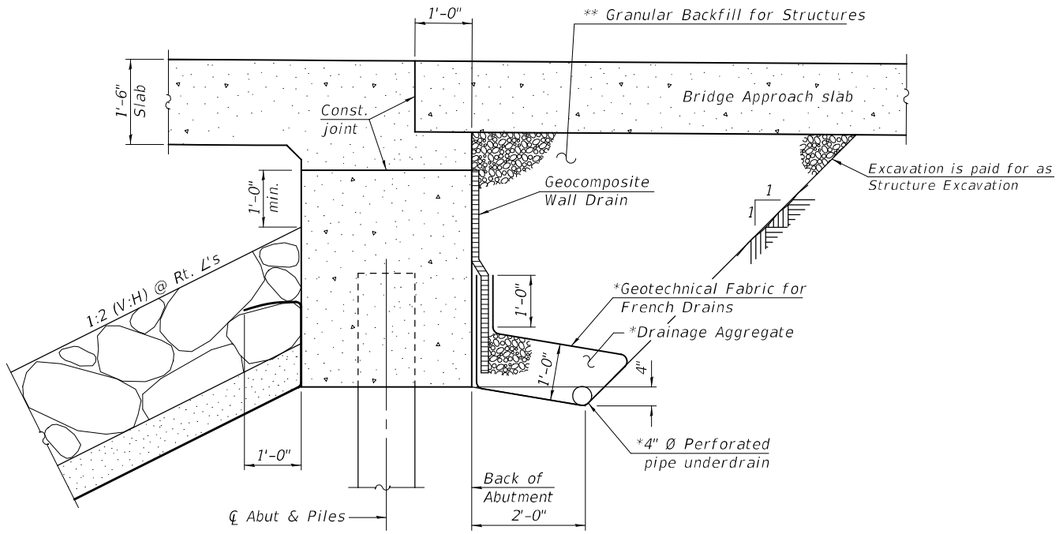


SECTION THRU INTEGRAL ABUTMENT

* Included in the cost of Pipe Underdrains for Structures.

** Granular Backfill behind the abutments shall be compacted according to Article 205.06 of the Standard Specifications.

Note:
All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).

INDEX OF SHEETS

GENERAL NOTES

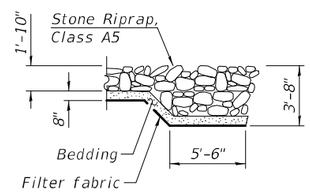
Reinforcement bars designated (E) shall be epoxy coated.

Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.

The Contractor shall make allowance for the deflection of forms, shrinkage and settlement of falsework, in addition to allowance for dead load deflection. Forms for deck slab shall be removed prior to placement of bridge approach slab.

The Contractor is advised that the existing PPC Deck Beams are in a deteriorated condition with reduced load carrying capacity. It is the Contractor's responsibility to account for the condition of the beams when developing construction procedures for the removal and replacement of the superstructure.



SECTION A-A

DESIGN SCOUR ELEVATION TABLE

Event / Limit State	Design Scour Elevations (ft.)				
	W. Abut.	Pier 1	Pier 2	E. Abut.	Item 113
Q100	637.1	618.6	618.6	636.1	5
Q200	637.1	617.2	617.2	636.1	
Design	637.1	618.6	618.6	636.1	
Check	637.1	617.2	617.2	636.1	

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A5	Sq. Yd.		735	735
Filter Fabric	Sq. Yd.		735	735
Removal of Existing Structures	Each			1
Structure Excavation	Cu. Yd.		110	110
Cofferdam Excavation	Cu. Yd.		123	123
Cofferdam (Type 2) (Location-1)	Each		1	1
Cofferdam (Type 2) (Location-2)	Each		1	1
Concrete Structures	Cu. Yd.		161.1	161.1
Concrete Superstructure	Cu. Yd.	268.7		268.7
Bridge Deck Grooving	Sq. Yd.	620		620
Protective Coat	Sq. Yd.	779		779
Concrete Superstructure (Approach Slab)	Cu. Yd.	106.2		106.2
Reinforcement Bars, Epoxy Coated	Pound	116150	14500	130650
Furnishing Steel Piles HP12X53	Foot		1413	1413
Driving Piles	Foot		1413	1413
Test Pile Steel HP12X53	Each		2	2
Pile Shoes	Each		28	28
Name Plates	Each	1		1
Granular Backfill for Structures	Cu. Yd.		70	70
Geocomposite Wall Drain	Sq. Yd.		44	44
Asbestos Bearing Pad Removal	Each	30		30
Pipe Underdrain for Structures, 4"	Foot		130	130

STATION 350+20.00
BUILT 20 BY
STATE OF ILLINOIS
F.A.S. RTE. 1669 SEC. (6BR)B-1
LOADING HL-93
STRUCTURE NO. 015-0077

NAME PLATE

See Std. 515001

WATERWAY INFORMATION

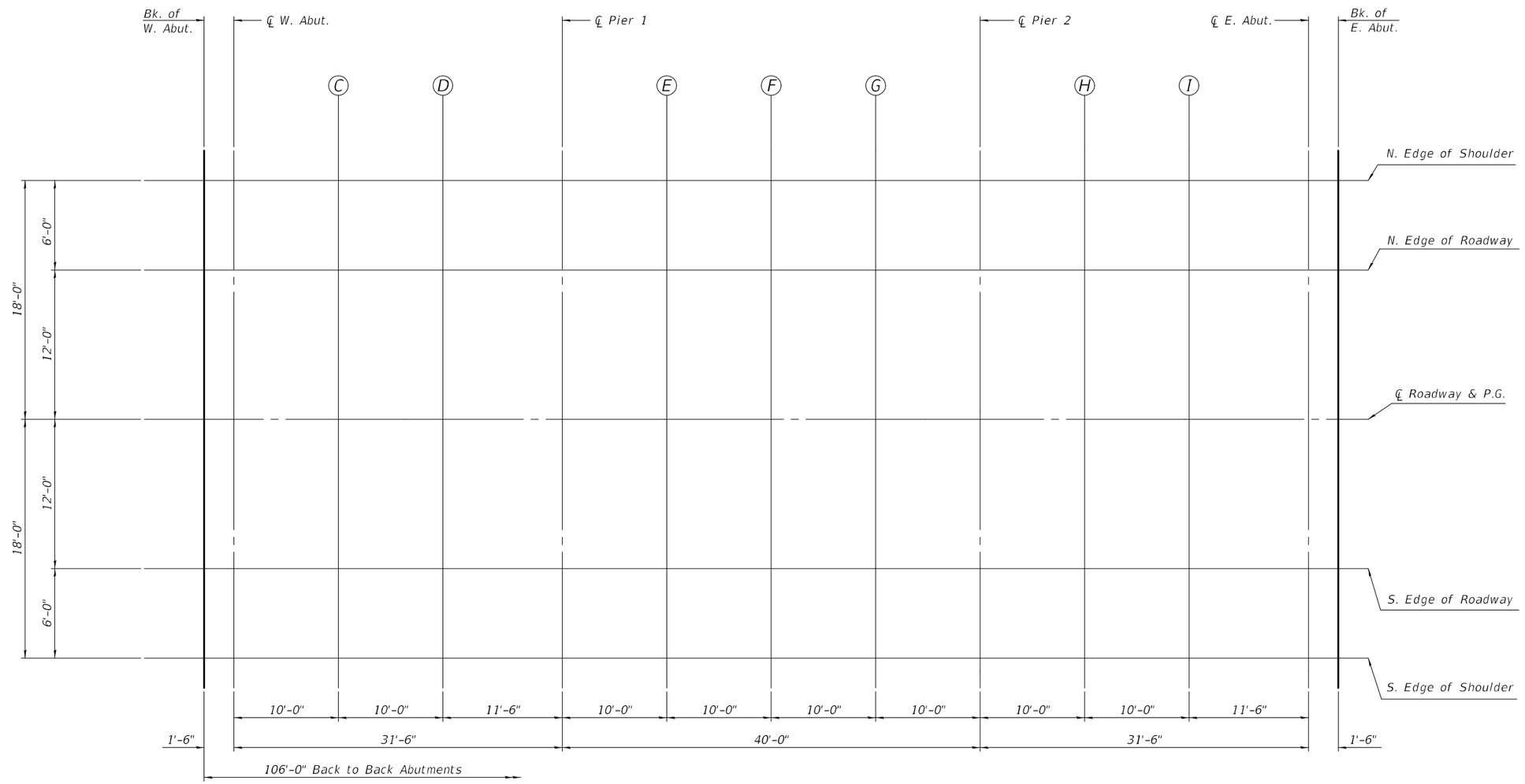
Drainage Area = 27.8 mi.^{2}

Existing Overtopping Elev. 639.46 @ Sta. 352+00
Proposed Overtopping Elev. 641.80 @ Sta. 352+00

Flood	Freq. Year	Q C.F.S.	Opening Ft^2 Exist.	Opening Ft^2 Prop.	Nat. H.W.E.	Head - Ft. Exist.	Head - Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.
	10	2,827	503	606	638.5	0.9	0.4	639.4	638.9
Overtop Existing	15	3,208	507	633	638.8	0.8	0.5	639.6	639.3
Design	50	4,299	507	717	639.7	0.9	0.8	640.6	640.5
Base	100	4,932	507	755	640.1	0.9	1.0	641.0	641.1
Overtop Proposed	105	5,007	507	765	640.2	0.8	1.8	641.0	642.0

10 Year velocity through existing bridge = 5.7 ft./sec.
10 Year velocity through proposed bridge = 4.6 ft./sec.

Note:
The Dead Load Deflections are negligible. The Dead Load Deflection Diagram is not shown.



PLAN

DESIGNED - RYAN P. NEGANGARD	EXAMINED	ENGINEER OF BRIDGE DESIGN	DATE - 3/17/2025	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TOP OF SLAB ELEVATIONS STRUCTURE NO. 015-0077	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
CHECKED - TIFFANY L. MEIER / HAREEM I. DAR						1669	(6BR)B-1	COLES	71 / 24
DRAWN - GLENN W. STOVER	PASSED	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -					CONTRACT NO. 74564	
CHECKED - R.P.N. / G.R.A.			REVISED -		SHEET 3 OF 23 SHEETS		ILLINOIS	FED. AID PROJECT	

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NORTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
Bk. of W. Abut	349+67.00	-18.00	643.07
℄ W. Abut.	349+68.50	-18.00	643.05
C	349+78.50	-18.00	642.93
D	349+88.50	-18.00	642.82
℄ Pier 1	350+00.00	-18.00	642.69
E	350+10.00	-18.00	642.59
F	350+20.00	-18.00	642.49
G	350+30.00	-18.00	642.40
℄ Pier 2	350+40.00	-18.00	642.32
H	350+50.00	-18.00	642.24
I	350+60.00	-18.00	642.17
℄ E. Abut.	350+71.50	-18.00	642.09
Bk. of E. Abut.	350+73.00	-18.00	642.08

NORTH EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
Bk. of W. Abut	349+67.00	-12.00	643.19
℄ W. Abut.	349+68.50	-12.00	643.17
C	349+78.50	-12.00	643.05
D	349+88.50	-12.00	642.94
℄ Pier 1	350+00.00	-12.00	642.81
E	350+10.00	-12.00	642.71
F	350+20.00	-12.00	642.61
G	350+30.00	-12.00	642.52
℄ Pier 2	350+40.00	-12.00	642.44
H	350+50.00	-12.00	642.36
I	350+60.00	-12.00	642.29
℄ E. Abut.	350+71.50	-12.00	642.21
Bk. of E. Abut.	350+73.00	-12.00	642.20

℄ ROADWAY & P.G.

Location	Station	Offset	Theoretical Grade Elevations
Bk. of W. Abut	349+67.00	0.00	643.37
℄ W. Abut.	349+68.50	0.00	643.35
C	349+78.50	0.00	643.23
D	349+88.50	0.00	643.12
℄ Pier 1	350+00.00	0.00	642.99
E	350+10.00	0.00	642.89
F	350+20.00	0.00	642.79
G	350+30.00	0.00	642.70
℄ Pier 2	350+40.00	0.00	642.62
H	350+50.00	0.00	642.54
I	350+60.00	0.00	642.47
℄ E. Abut.	350+71.50	0.00	643.39
Bk. of E. Abut.	350+73.00	0.00	642.38

SOUTH EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
Bk. of W. Abut	349+67.00	12.00	643.19
℄ W. Abut.	349+68.50	12.00	643.17
C	349+78.50	12.00	643.05
D	349+88.50	12.00	642.94
℄ Pier 1	350+00.00	12.00	642.81
E	350+10.00	12.00	642.71
F	350+20.00	12.00	642.61
G	350+30.00	12.00	642.52
℄ Pier 2	350+40.00	12.00	642.44
H	350+50.00	12.00	642.36
I	350+60.00	12.00	642.29
℄ E. Abut.	350+71.50	12.00	642.21
Bk. of E. Abut.	350+73.00	12.00	642.20

SOUTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
Bk. of W. Abut	349+67.00	18.00	643.07
℄ W. Abut.	349+68.50	18.00	643.05
C	349+78.50	18.00	642.93
D	349+88.50	18.00	642.82
℄ Pier 1	350+00.00	18.00	642.69
E	350+10.00	18.00	642.59
F	350+20.00	18.00	642.49
G	350+30.00	18.00	642.40
℄ Pier 2	350+40.00	18.00	642.32
H	350+50.00	18.00	642.24
I	350+60.00	18.00	642.17
℄ E. Abut.	350+71.50	18.00	642.09
Bk. of E. Abut.	350+73.00	18.00	642.08

NORTH EDGE OF SHOULDER

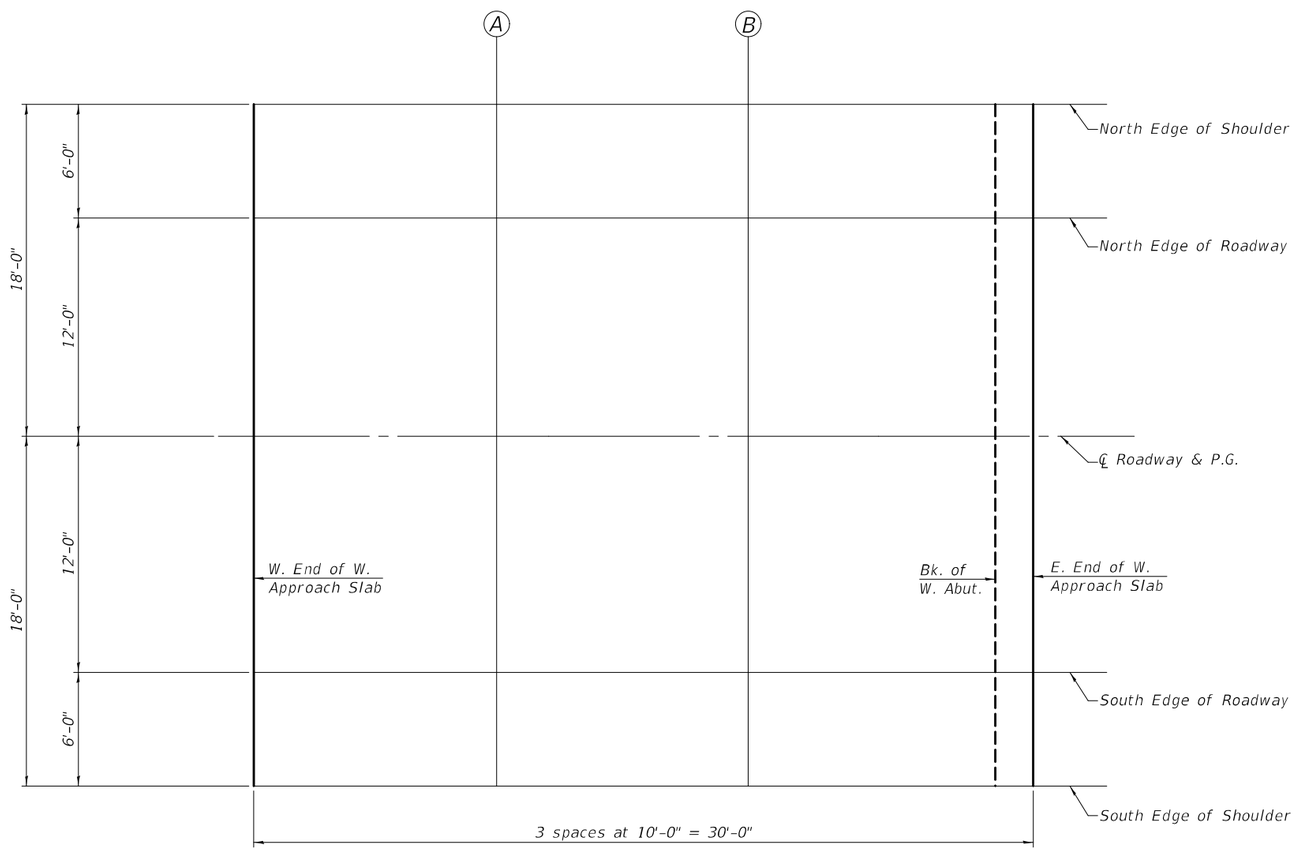
Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Appr.	349+38.00	-18.00	643.45
A	349+48.00	-18.00	643.31
B	349+58.00	-18.00	643.18
E. End of W. Appr.	349+68.00	-18.00	643.05

NORTH EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Appr.	349+38.00	-12.00	643.57
A	349+48.00	-12.00	643.43
B	349+58.00	-12.00	643.30
E. End of W. Appr.	349+68.00	-12.00	643.17

℄ ROADWAY & P.G.

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Appr.	349+38.00	0.00	643.75
A	349+48.00	0.00	643.61
B	349+58.00	0.00	643.48
E. End of W. Appr.	349+68.00	0.00	643.35



PLAN

SOUTH EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Appr.	349+38.00	12.00	643.57
A	349+48.00	12.00	643.43
B	349+58.00	12.00	643.30
E. End of W. Appr.	349+68.00	12.00	643.17

SOUTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Appr.	349+38.00	18.00	643.45
A	349+48.00	18.00	643.31
B	349+58.00	18.00	643.18
E. End of W. Appr.	349+68.00	18.00	643.05

NORTH EDGE OF SHOULDER

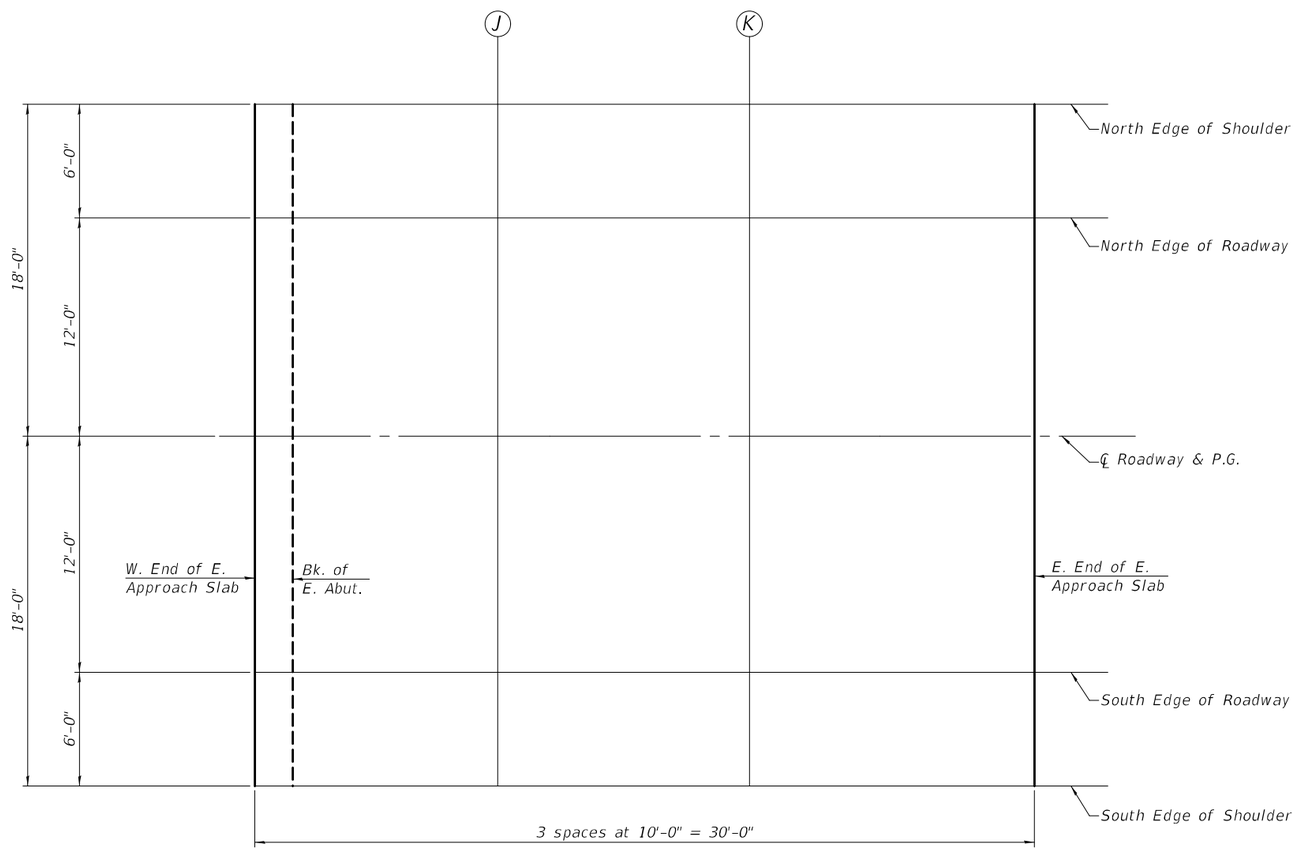
Location	Station	Offset	Theoretical Grade Elevations
W. End of E. Appr.	350+72.00	-18.00	642.09
J	350+82.00	-18.00	642.03
K	350+92.00	-18.00	641.97
E. End of E. Appr.	351+02.00	-18.00	641.92

NORTH EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. Appr.	350+72.00	-12.00	642.21
J	350+82.00	-12.00	642.15
K	350+92.00	-12.00	642.09
E. End of E. Appr.	351+02.00	-12.00	642.04

℄ ROADWAY & P.G.

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. Appr.	350+72.00	0.00	642.39
J	350+82.00	0.00	642.33
K	350+92.00	0.00	642.27
E. End of E. Appr.	351+02.00	0.00	642.22



PLAN

SOUTH EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. Appr.	350+72.00	12.00	642.21
J	350+82.00	12.00	642.15
K	350+92.00	12.00	642.09
E. End of E. Appr.	351+02.00	12.00	642.04

SOUTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. Appr.	350+72.00	18.00	642.09
J	350+82.00	18.00	642.03
K	350+92.00	18.00	641.97
E. End of E. Appr.	351+02.00	18.00	641.92

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DESIGNED -	RYAN P. NEGANGARD	EXAMINED	ENGINEER OF BRIDGE DESIGN
CHECKED -	TIFFANY L. MEIER / HAREEM I. DAR	PASSED	ENGINEER OF BRIDGES AND STRUCTURES
DRAWN -	GLENN W. STOVER	DATE -	3/17/2025
CHECKED -	R.P.N. / G.R.A.	REVISED -	
		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

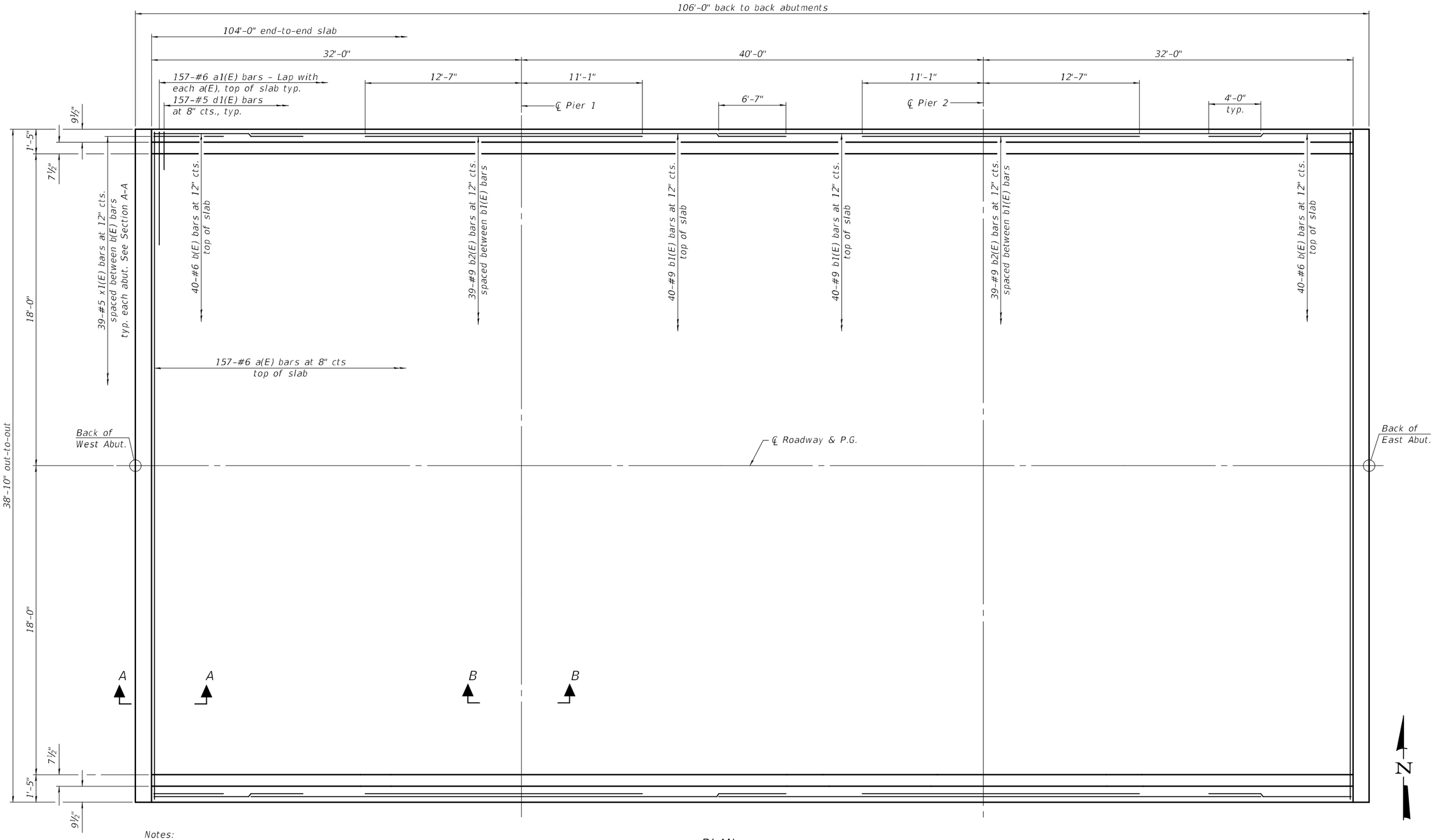
TOP OF EAST APPROACH SLAB ELEVATIONS
STRUCTURE NO. 015-0077

SHEET 6 OF 23 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	27

CONTRACT NO. 74564

ILLINOIS | FED. AID PROJECT



Notes:
See sheets 9 & 10 of 23 for Superstructure Details and Bill of Material.
See sheet 10 of 23 for Sections A-A and B-B.

PLAN
(showing top reinforcement)

MODEL: 0150077-74564-007
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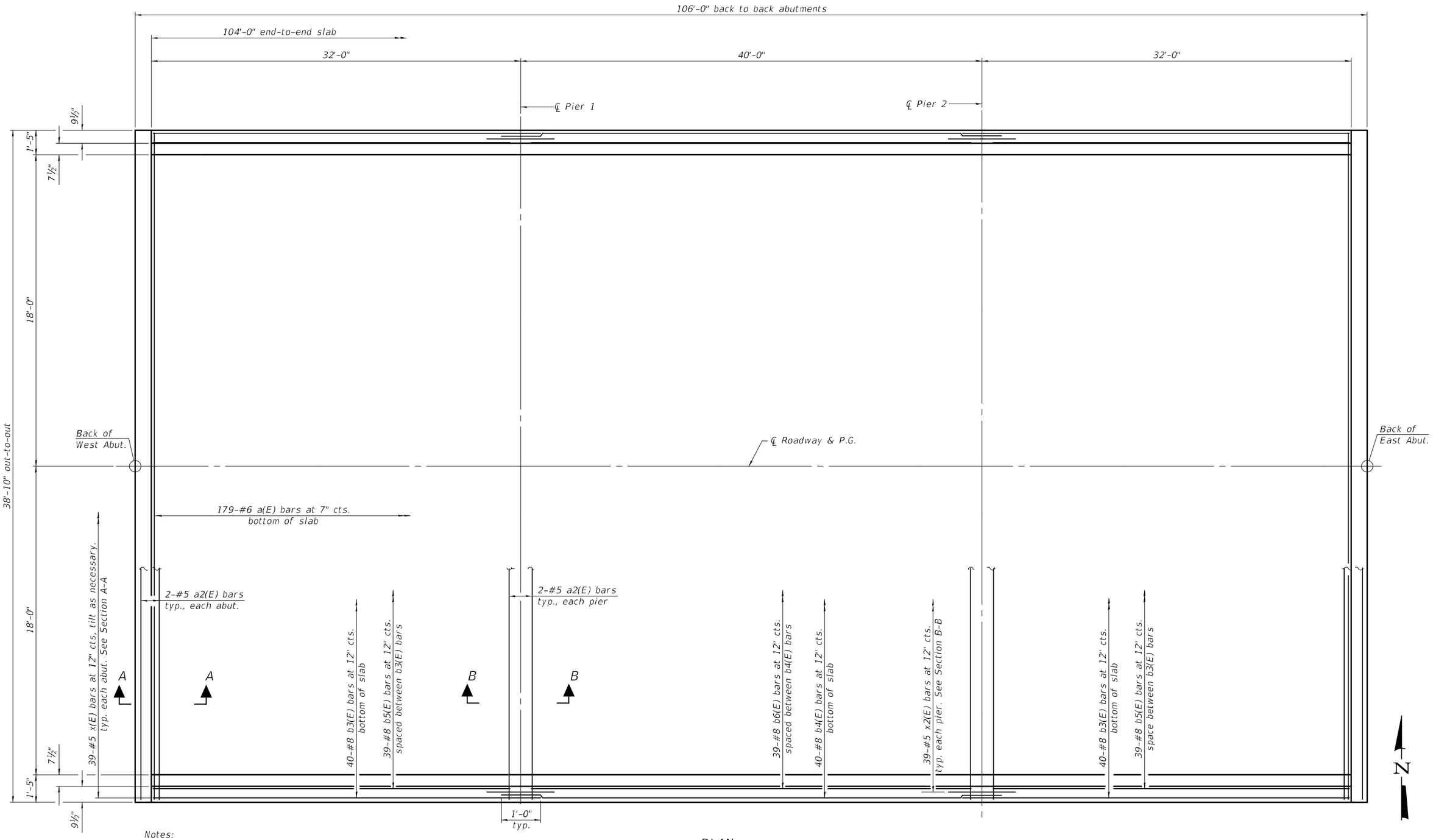
DESIGNED - RYAN P. NEGANGARD	EXAMINED	ENGINEER OF BRIDGE DESIGN	DATE - 3/17/2025	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUPERSTRUCTURE STRUCTURE NO. 015-0077
CHECKED - TIFFANY L. MEIER / HAREEM I. DAR					
DRAWN - GLENN W. STOVER	PASSED	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -		
CHECKED - R.P.N. / G.R.A.			REVISED -		SHEET 7 OF 23 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	28
		CONTRACT NO. 74564		
	ILLINOIS	FED. AID PROJECT		



Notes:
See sheets 9 & 10 of 23 for Superstructure Details and Bill of Material.
See sheet 10 of 23 for Sections A-A and B-B.

PLAN

(showing bottom reinforcement)

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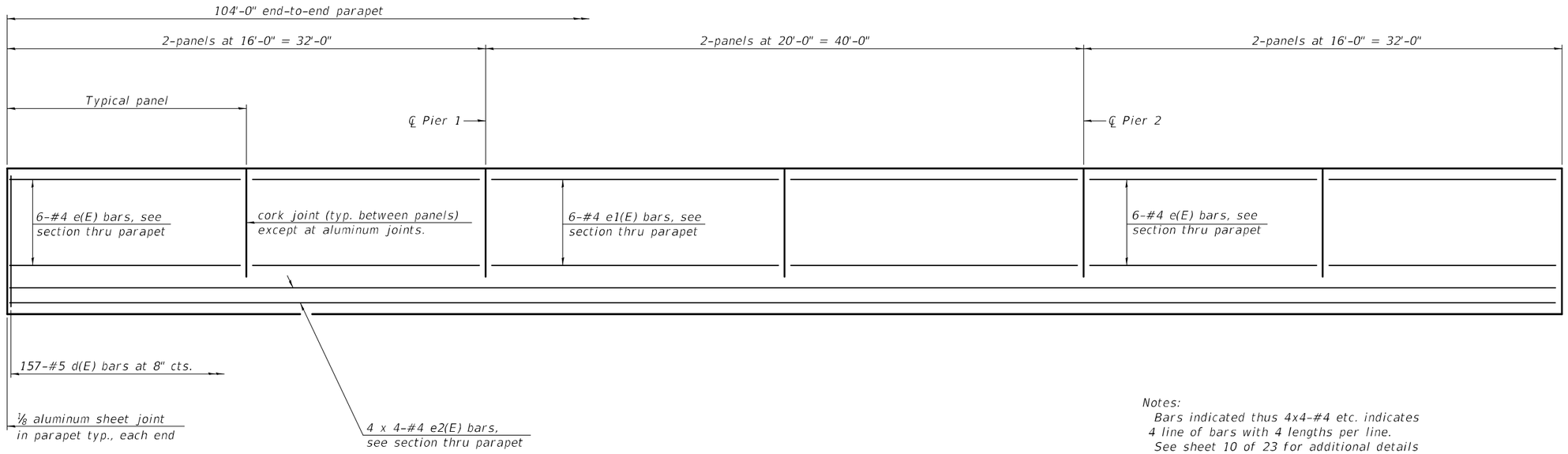
DESIGNED - RYAN P. NEGANGARD	EXAMINED	DATE - 3/17/2025	
CHECKED - TIFFANY L. MEIER / HAREEM I. DAR	ENGINEER OF BRIDGE DESIGN		
DRAWN - GLENN W. STOVER	PASSED	REVISED -	
CHECKED - R.P.N. / G.R.A.	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO. 015-0077

SHEET 8 OF 23 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	29
		CONTRACT NO. 74564		
		ILLINOIS	FED. AID PROJECT	

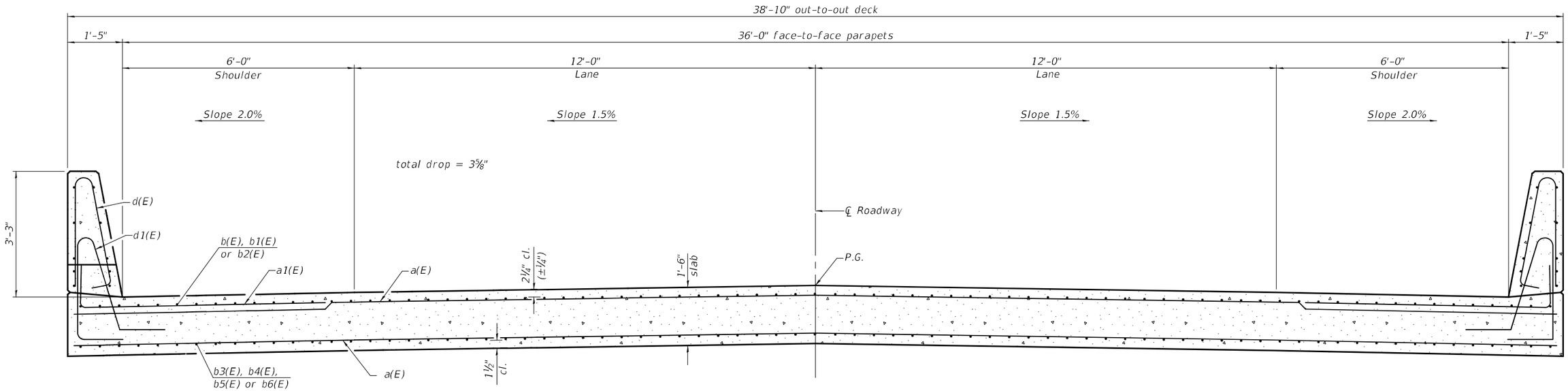


Notes:
Bars indicated thus 4x4-#4 etc. indicates 4 line of bars with 4 lengths per line.
See sheet 10 of 23 for additional details and Bill of Material.

INSIDE ELEVATION OF PARAPET

Minimum Bar Lap

#4 bar = 2'-5"



CROSS SECTION

(Looking East)

DESIGNED - RYAN P. NEGANGARD	EXAMINED	ENGINEER OF BRIDGE DESIGN	DATE - 3/17/2025	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUPERSTRUCTURE DETAILS STRUCTURE NO. 015-0077	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - TIFFANY L. MEIER / HAREEM I. DAR						1669	(6BR)B-1	COLES	71	30
DRAWN - GLENN W. STOVER	PASSED	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -		SHEET 9 OF 23 SHEETS			CONTRACT NO. 74564		
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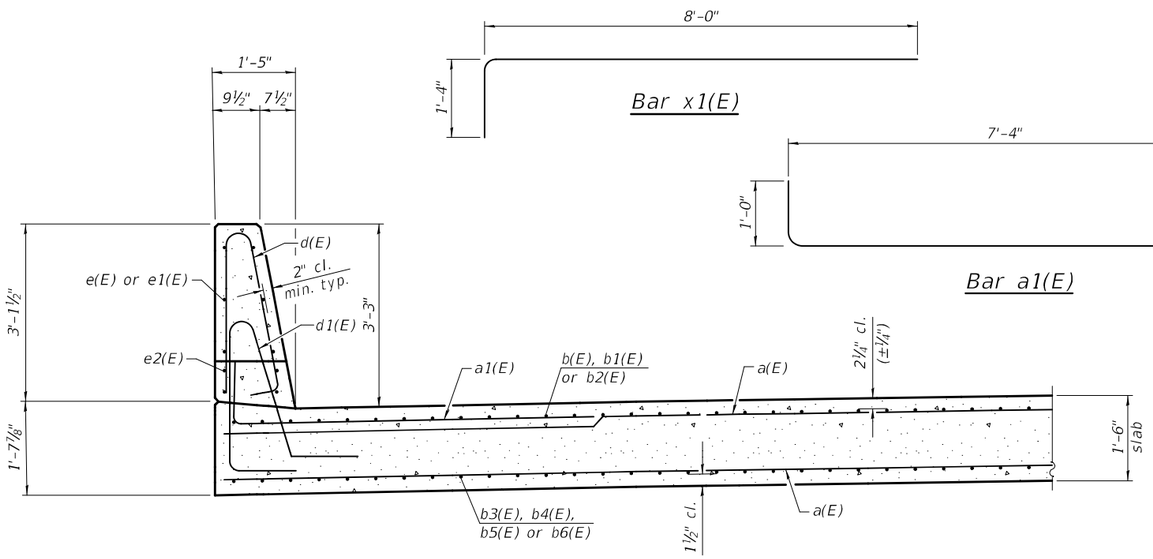
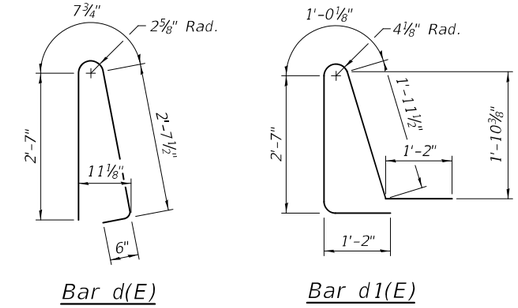
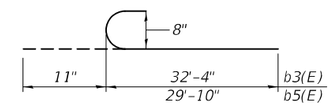
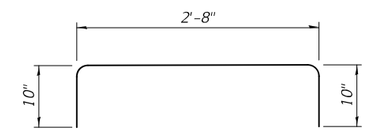


SECTION THRU PARAPET





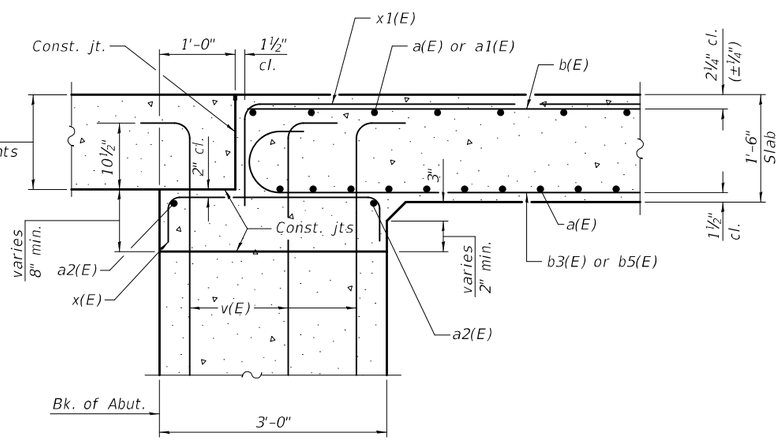
Bars b3(E) & b5(E)



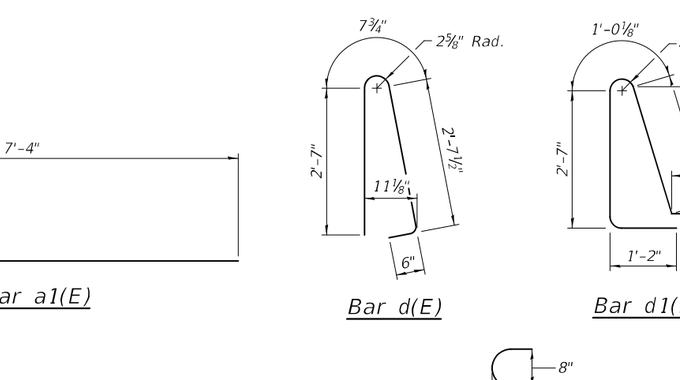
Bar x(E)

SUPERSTRUCTURE BILL OF MATERIAL

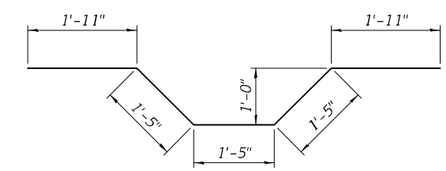
Bar	No.	Size	Length	Shape
a(E)	336	#6	38'-6"	
a1(E)	314	#6	8'-4"	
a2(E)	8	#5	38'-6"	
b(E)	80	#6	15'-5"	
b1(E)	80	#9	43'-9"	
b2(E)	78	#9	23'-8"	
b3(E)	80	#8	33'-3"	
b4(E)	40	#8	41'-0"	
b5(E)	78	#8	30'-9"	
b6(E)	39	#8	34'-8"	
d(E)	314	#5	6'-5"	
d1(E)	314	#5	7'-11"	
e(E)	48	#4	15'-8"	
e1(E)	24	#4	19'-8"	
e2(E)	32	#4	27'-9"	
x(E)	78	#5	4'-4"	
x1(E)	78	#5	9'-4"	
x2(E)	78	#5	8'-1"	
Concrete Superstructure			Cu. Yd.	262.5
Reinforcement Bars, Epoxy Coated			Pound	73,080



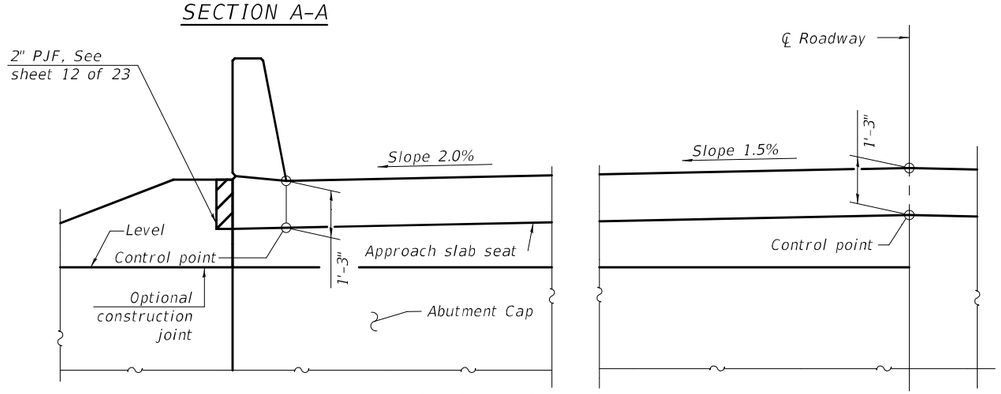
SECTION A-A



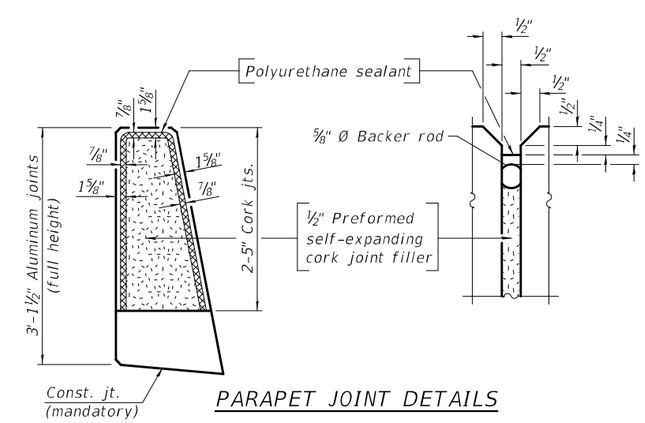
SECTION B-B



Bar x2(E)



APPROACH SLAB SEAT



PARAPET JOINT DETAILS

Notes:

The ⅛" Aluminum sheet shall be ASTM B 209 alloy 3003-H14 and coated to minimize reaction with wet concrete. Cost included with Concrete Superstructure.

The polyurethane sealant shall be according to Article 1050.04 of the Std. Spec. and the color shall be gray.

MODEL: 0150077-74564-010
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DESIGNED -	RYAN P. NEGANGARD	EXAMINED	ENGINEER OF BRIDGE DESIGN
CHECKED -	TIFFANY L. MEIER / HAREEM I. DAR	PASSED	ENGINEER OF BRIDGES AND STRUCTURES
DRAWN -	GLENN W. STOVER	DATE -	3/17/2025
CHECKED -	R.P.N. / G.R.A.	REVISED -	
		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

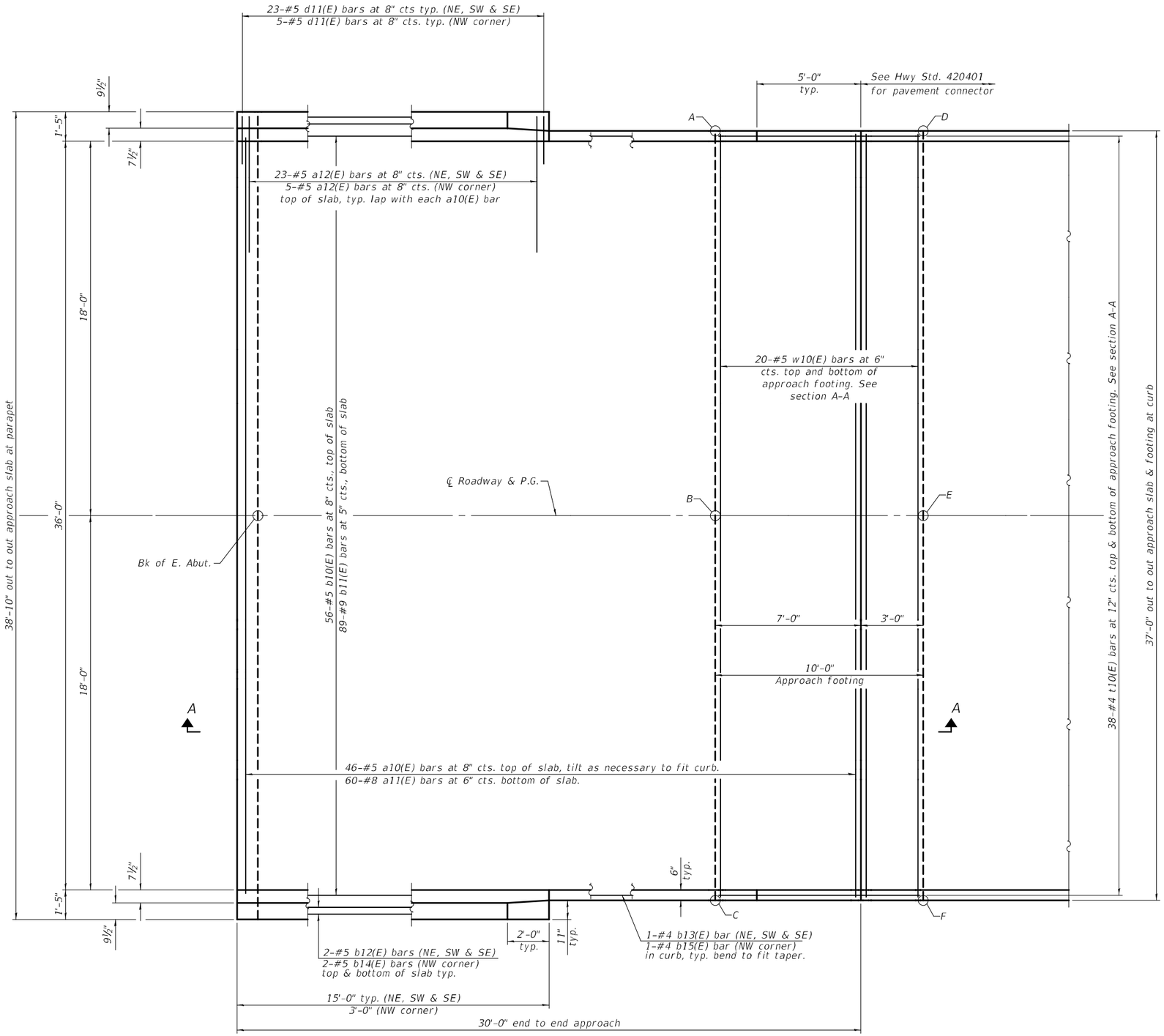
SUPERSTRUCTURE DETAILS
STRUCTURE NO. 015-0077

SHEET 10 OF 23 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	31

CONTRACT NO. 74564

ILLINOIS | FED. AID PROJECT

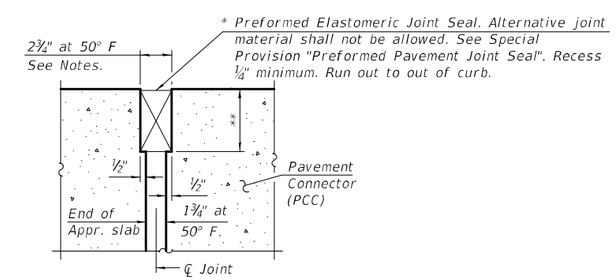


PLAN

(East Approach shown, West Approach similar by 180° rotation, except NW corner as noted)

TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTING

	West Approach		East Approach		
Point	Top	Bottom	Point	Top	Bottom
A - SE	642.09	641.26	A - NW	640.70	639.87
B - E ℄	642.40	641.57	B - W ℄	641.01	640.18
C - NE	642.09	641.26	C - SW	640.70	639.87
D - SW	642.23	641.40	D - NE	640.65	639.82
E - W ℄	642.54	641.71	E - E ℄	640.96	640.13
F - NW	642.23	641.40	F - SE	640.65	639.82



DETAIL A

* Cost included with Concrete Superstructure (Approach Slab).

** Per manufacturer recommendations

(Sheet 1 of 2)

MODEL: 0150077-74564-011
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DESIGNED -	RYAN P. NEGANGARD	EXAMINED	ENGINEER OF BRIDGE DESIGN
CHECKED -	TIFFANY L. MEIER / HAREEM I. DAR	PASSED	ENGINEER OF BRIDGES AND STRUCTURES
DRAWN -	GLENN W. STOVER	DATE -	3/17/2025
CHECKED -	R.P.N. / G.R.A.	REVISED -	
		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 015-0077

SHEET 11 OF 23 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	32
		CONTRACT NO. 74564		
		ILLINOIS	FED. AID PROJECT	

Notes:

The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach slab.

Parapet concrete shall be paid for as Concrete Superstructure.

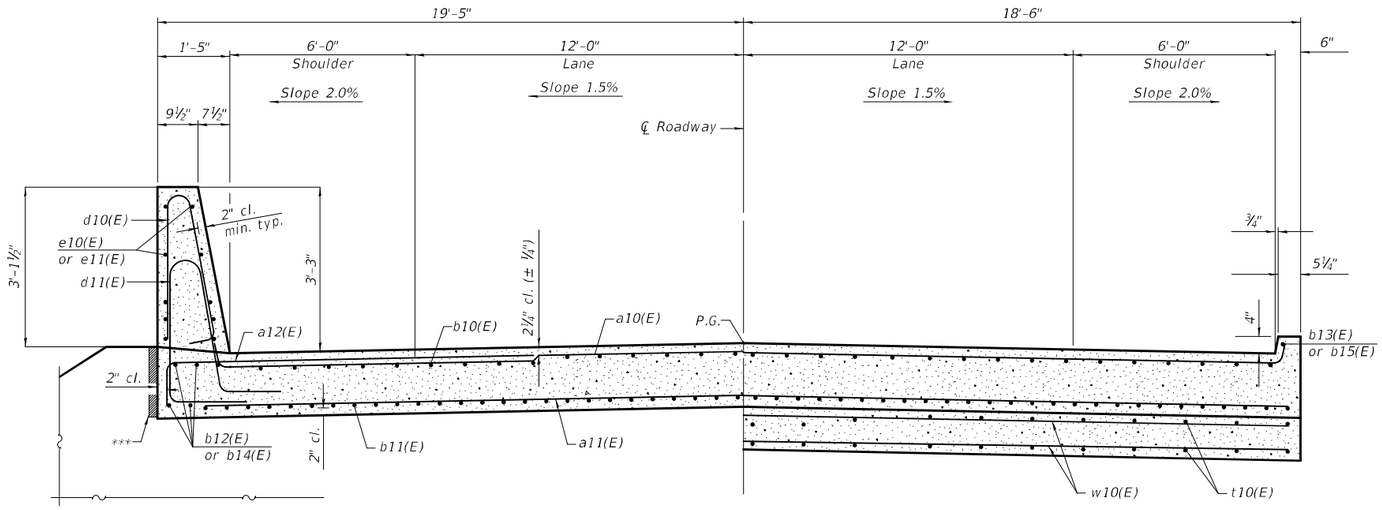
Approach slab shall be paid for as Concrete Superstructure (Approach Slab).

Approach footing concrete shall be paid for as Concrete Structures.

The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.

Cost of excavation for approach footing included with Concrete Structures.

For Granular Backfill for Structures and drainage treatment details, see sheet 2 of 23.



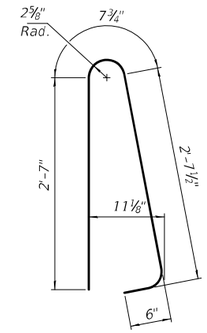
NEAR ABUTMENT

AT APPROACH FOOTING

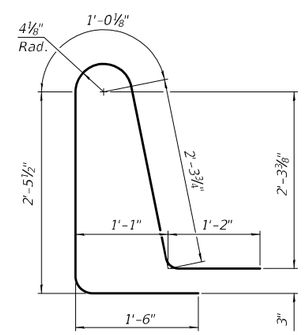
CROSS SECTION

(Looking East)

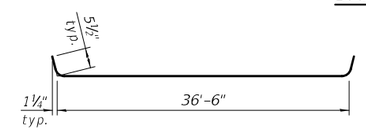
*** 2" PJF (per Article 1051.09 of the Standard Specifications) bonded to wingwall with suitable adhesive as recommended by supplier.



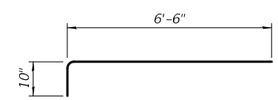
BAR d10(E)



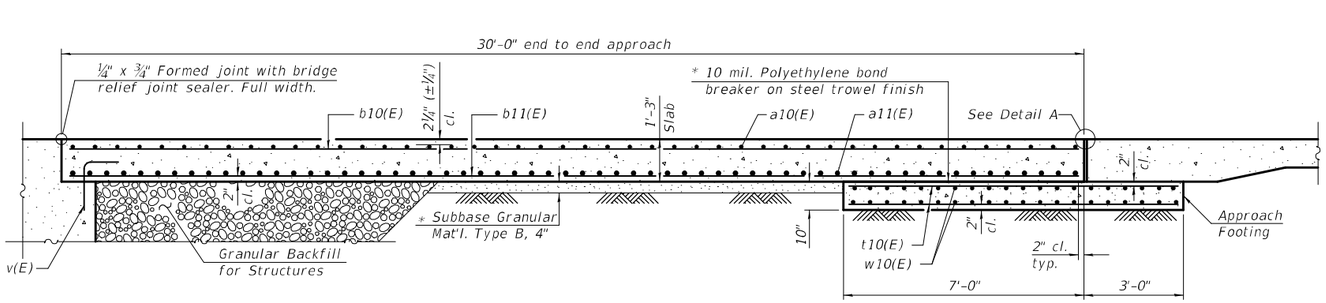
BAR d11(E)



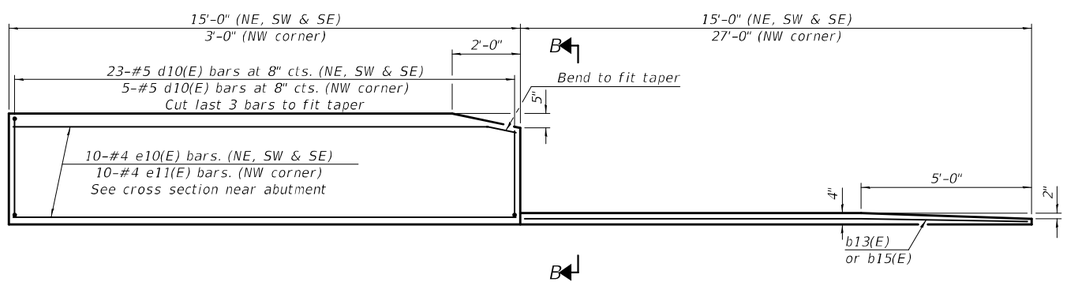
BAR a10(E)



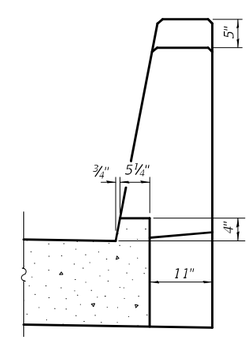
BAR a12(E)



SECTION A-A



INSIDE ELEVATION OF PARAPET AND CURB



VIEW B-B

TWO APPROACHES
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a10(E)	92	#5	37'-5"	
a11(E)	120	#8	36'-8"	
a12(E)	74	#5	7'-4"	
b10(E)	112	#5	29'-8"	
b11(E)	178	#9	29'-8"	
b12(E)	12	#5	14'-8"	
b13(E)	3	#4	14'-8"	
b14(E)	4	#5	2'-8"	
b15(E)	1	#4	26'-8"	
d10(E)	74	#5	6'-5"	
d11(E)	74	#5	8'-6"	
e10(E)	30	#4	14'-8"	
e11(E)	10	#4	2'-8"	
t10(E)	152	#4	9'-8"	
w10(E)	80	#5	36'-8"	
Concrete Superstructure			Cu. Yd.	6.2
Concrete Superstructure (Approach Slab)			Cu. Yd.	106.2
Concrete Structures			Cu. Yd.	22.8
Reinforcement Bars, Epoxy Coated			Pound	43,070

(Sheet 2 of 2)

DESIGNED - RYAN P. NEGANGARD	EXAMINED	ENGINEER OF BRIDGE DESIGN	DATE - 3/17/2025
CHECKED - TIFFANY L. MEIER / HAREEM I. DAR			
DRAWN - GLENN W. STOVER	PASSED	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -
CHECKED - R.P.N. / G.R.A.			REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 015-0077

SHEET 12 OF 23 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	33

CONTRACT NO. 74564

ILLINOIS FED. AID PROJECT

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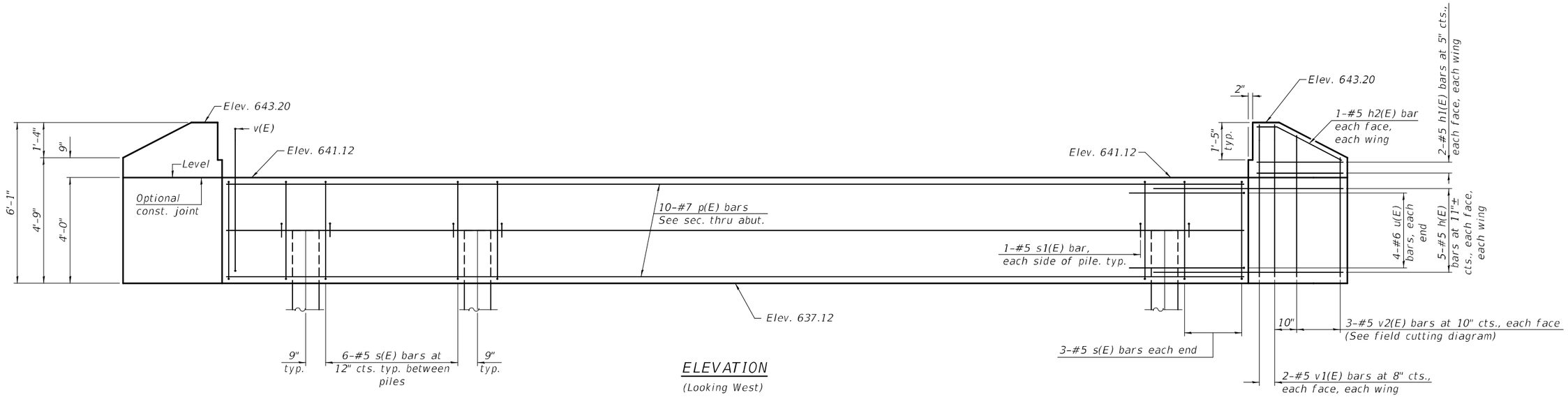
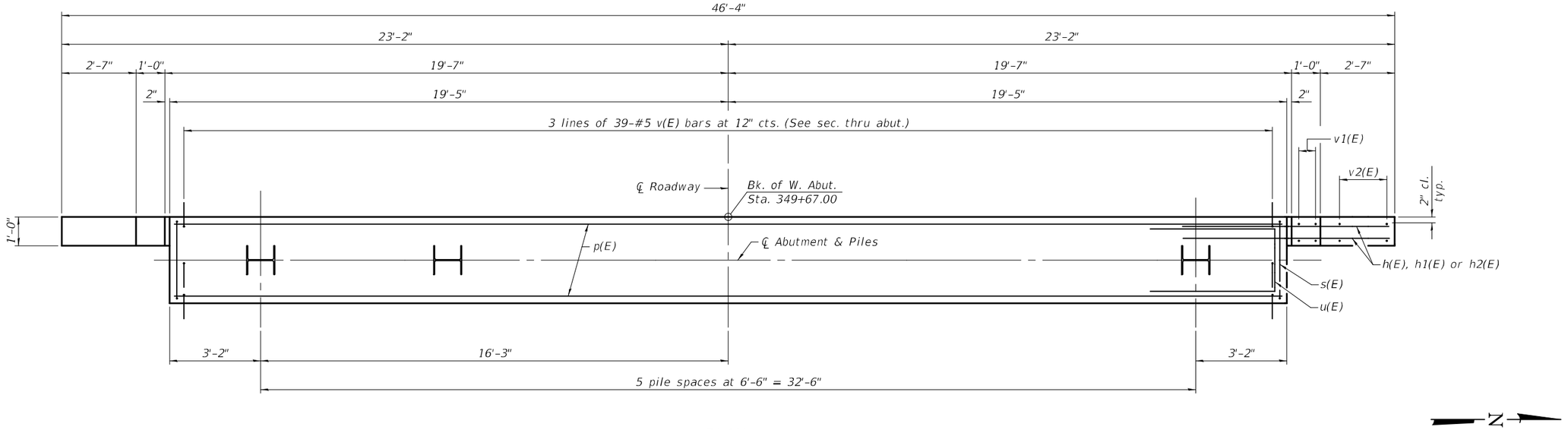


ELEVATION

(Looking West)



PLAN

Note:
See sheet 15 of 23 for additional details, notes & Bill of Material.

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3/17/2025 11:05:36 AM

DESIGNED - RYAN P. NEGANGARD	EXAMINED	DATE - 3/17/2025	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
CHECKED - TIFFANY L. MEIER / HAREEM I. DAR	ENGINEER OF BRIDGE DESIGN		
DRAWN - GLENN W. STOVER	PASSED	REVISED -	
CHECKED - R.P.N. / G.R.A.	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -	

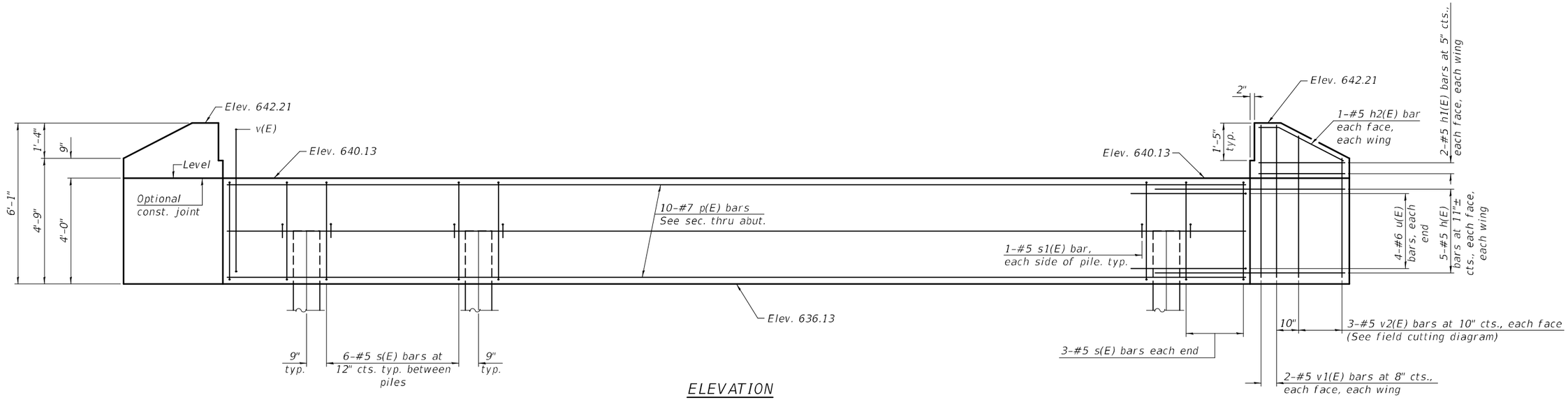
WEST ABUTMENT
STRUCTURE NO. 015-0077

SHEET 13 OF 23 SHEETS

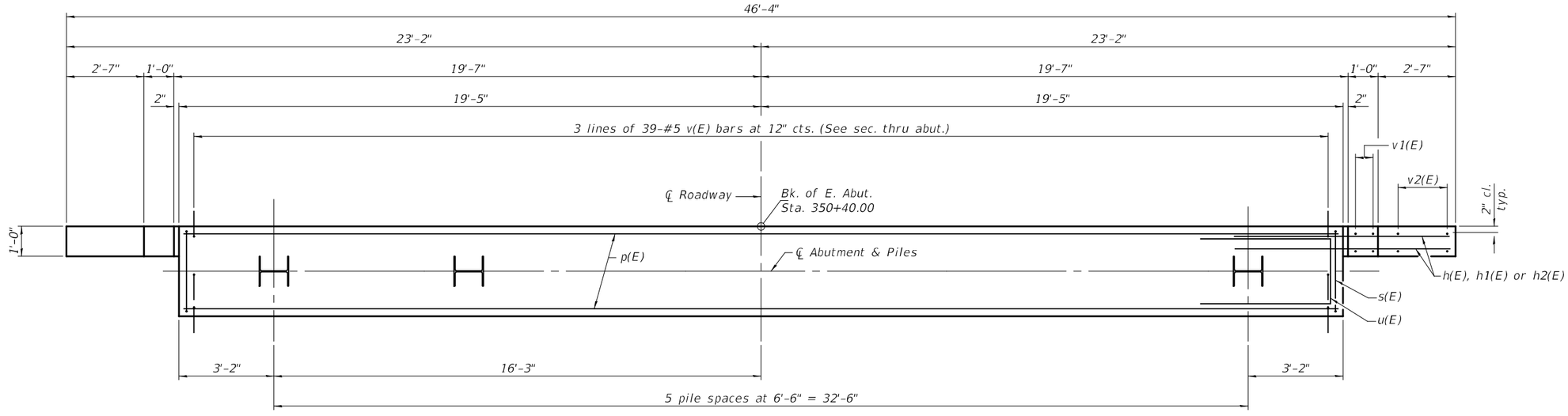
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	34

CONTRACT NO. 74564

ILLINOIS | FED. AID PROJECT



ELEVATION
(Looking East)



PLAN

N

Note:
See sheet 15 of 23 for additional details, notes & Bill of Material.

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DRAWN - GLENN W. STOVER	PASSED	REVISED -	
CHECKED - R.P.N. / G.R.A.		REVISED -	

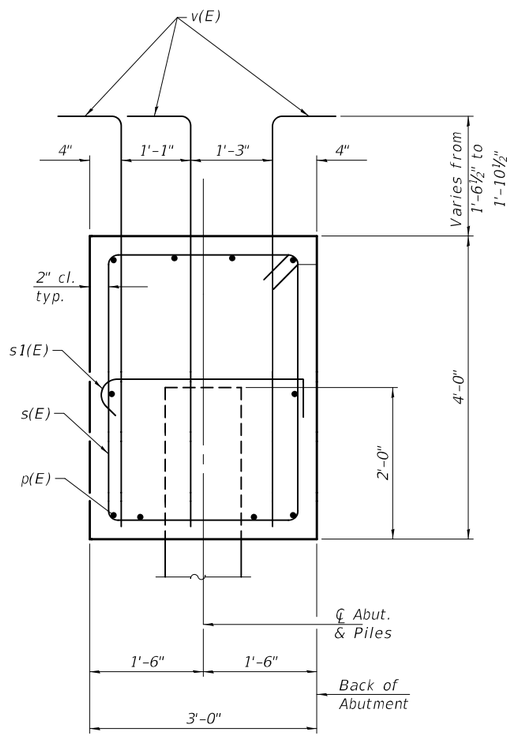
ENGINEER OF BRIDGE DESIGN
ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST ABUTMENT
STRUCTURE NO. 015-0077

SHEET 14 OF 23 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	35
		CONTRACT NO. 74564		
	ILLINOIS	FED. AID PROJECT		



SECTION THRU ABUTMENT

WEST ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	20	#5	7'-2"	
h1(E)	8	#5	3'-3"	
h2(E)	4	#5	3'-6"	
p(E)	10	#7	38'-6"	
s(E)	36	#5	13'-7"	
s1(E)	12	#5	3'-8"	
u(E)	8	#6	11'-2"	
v(E)	117	#5	6'-3"	
v1(E)	8	#5	5'-9"	
v2(E)	6	#5	10'-0"	
Structure Excavation			Cu. Yd.	59
Concrete Structures			Cu. Yd.	18.8
Reinforcement Bars, Epoxy Coated			Pound	2,540
Furnishing Steel Piles HP12X53			Foot	290
Driving Piles			Foot	290
Test Pile Steel HP12X53			Each	1
Pile Shoes			Each	6

For details of piles see sheet 19 of 23.

EAST ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	20	#5	7'-2"	
h1(E)	8	#5	3'-3"	
h2(E)	4	#5	3'-6"	
p(E)	10	#7	38'-6"	
s(E)	36	#5	13'-7"	
s1(E)	12	#5	3'-8"	
u(E)	8	#6	11'-2"	
v(E)	117	#5	6'-3"	
v1(E)	8	#5	5'-9"	
v2(E)	6	#5	10'-0"	
Structure Excavation			Cu. Yd.	51
Concrete Structures			Cu. Yd.	18.8
Reinforcement Bars, Epoxy Coated			Pound	2,540
Furnishing Steel Piles HP12X53			Foot	294
Driving Piles			Foot	294
Pile Shoes			Each	6

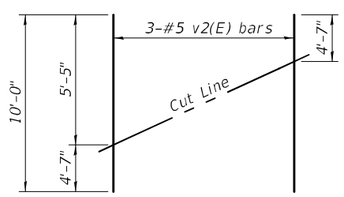
For details of piles see sheet 19 of 23.

WEST ABUTMENT PILE DATA

Type: HP 12X53 with Pile Shoes
Nominal Required Bearing: 418k
Factored Resistance Available: 230k
Est. Length: 58'-0"
No. Production Piles: 5
No. Test Piles: 1

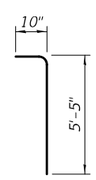
EAST ABUTMENT PILE DATA

Type: HP 12X53 with Pile Shoes
Nominal Required Bearing: 418k
Factored Resistance Available: 230k
Est. Length: 49'-0"
No. Production Piles: 6
No. Test Piles: 0

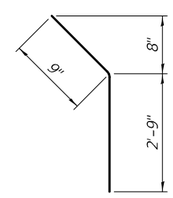


FIELD CUTTING DIAGRAM

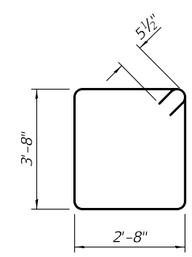
Order v2(E) full length. Cut as shown and use remainder of bars in opposite wing.



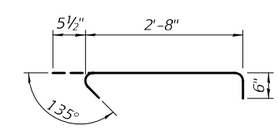
BAR v(E)



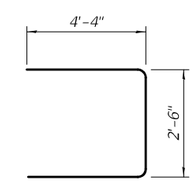
BAR h2(E)



BAR s(E)



BAR s1(E)



BAR u(E)

DESIGNED - RYAN P. NEGANGARD	EXAMINED	DATE - 3/17/2025	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
CHECKED - TIFFANY L. MEIER / HAREEM I. DAR	ENGINEER OF BRIDGE DESIGN		
DRAWN - GLENN W. STOVER	PASSED	REVISED -	
CHECKED - R.P.N. / G.R.A.	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -	

ABUTMENT DETAILS
STRUCTURE NO. 015-0077

SHEET 15 OF 23 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	36

CONTRACT NO. 74564

ILLINOIS | FED. AID PROJECT

MODEL: 0150077-74564-015
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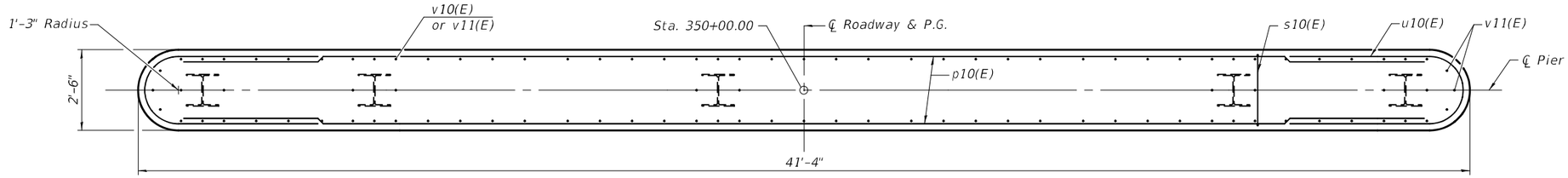
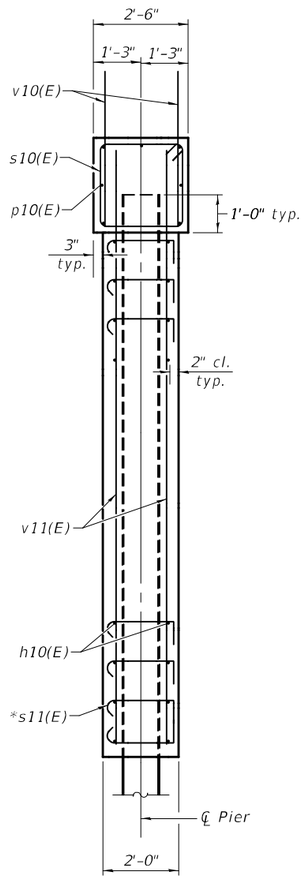
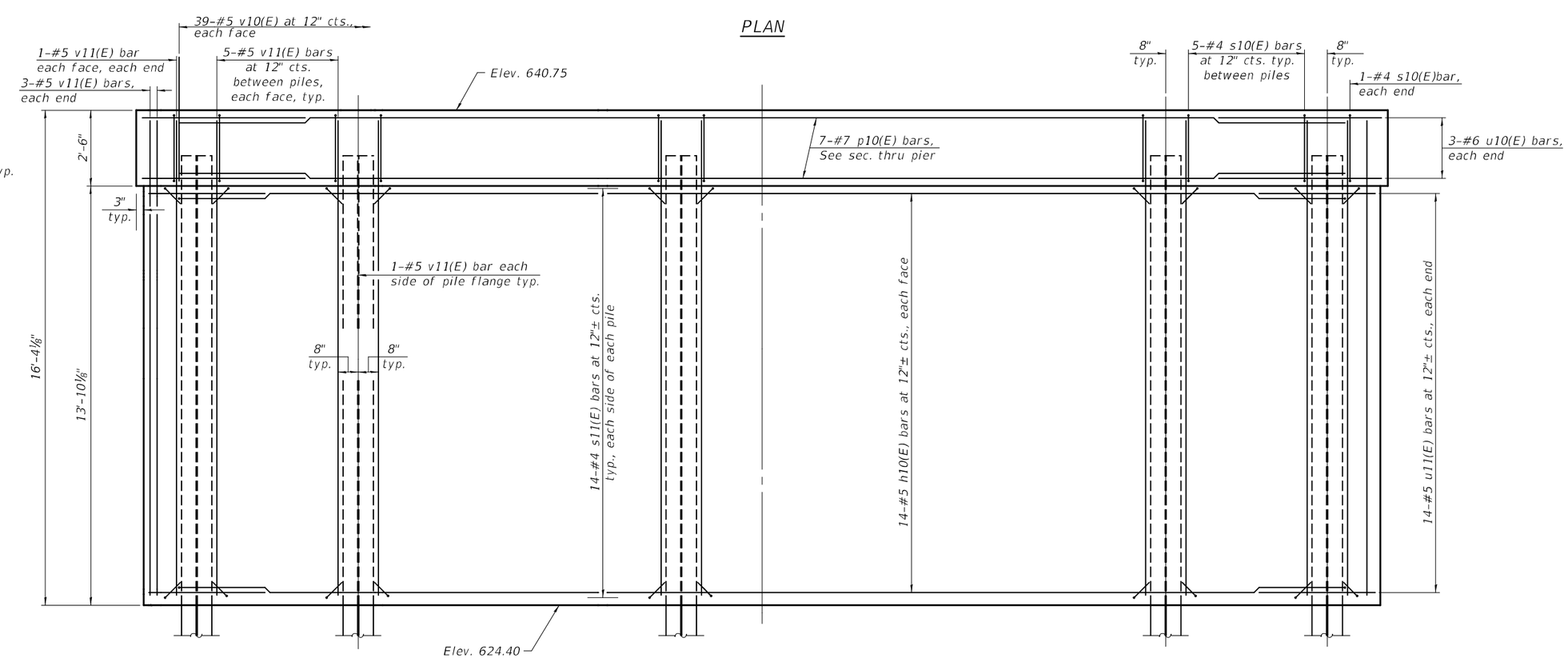


PLAN



SECTION THRU PIER



ELEVATION
(Looking East)

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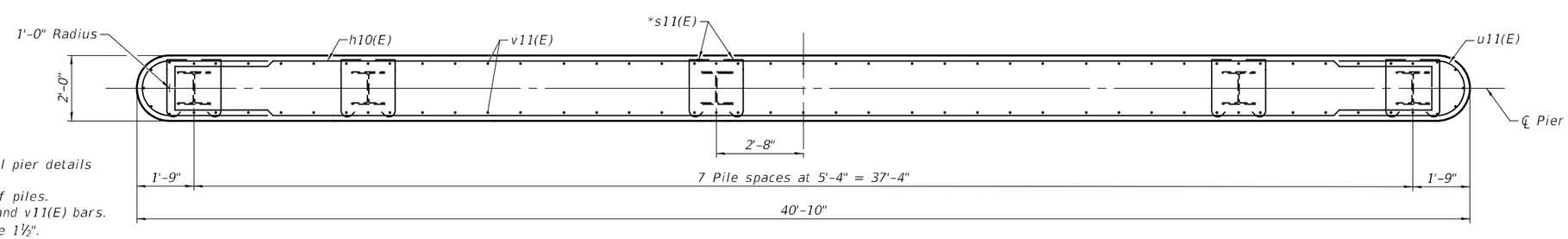

SECTION A-A

Notes:

See sheet 18 of 23 for additional pier details and Bill of Material.

See sheet 19 of 23 for details of piles.

*Hook s11(E) bar around h10(E) and v11(E) bars.

Clear cover for s11(E) bar will be 1½".

DESIGNED - RYAN P. NEGANGARD	EXAMINED	ENGINEER OF BRIDGE DESIGN	DATE - 3/17/2025	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PIER 1 STRUCTURE NO. 015-0077
CHECKED - TIFFANY L. MEIER / HAREEM I. DAR					
DRAWN - GLENN W. STOVER	PASSED	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -		
CHECKED - R.P.N. / G.R.A.			REVISED -		SHEET 16 OF 23 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	37
		CONTRACT NO. 74564		
	ILLINOIS	FED. AID PROJECT		

MODEL: 015007 7-74564-016
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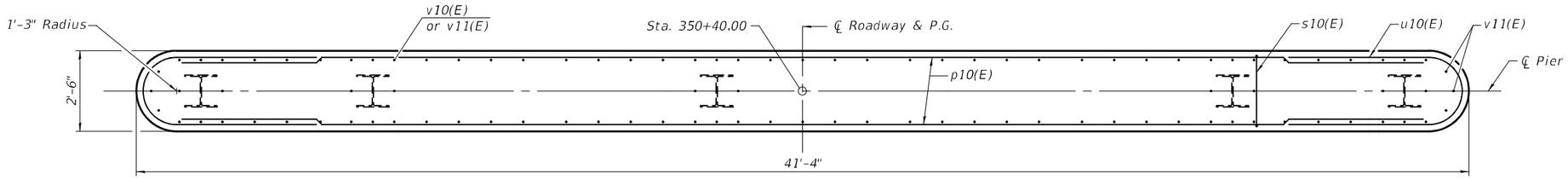
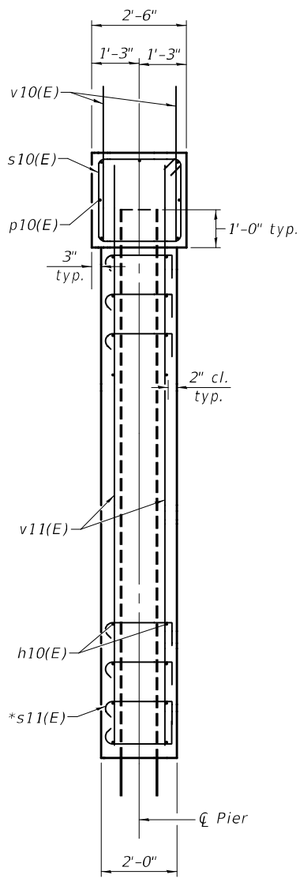
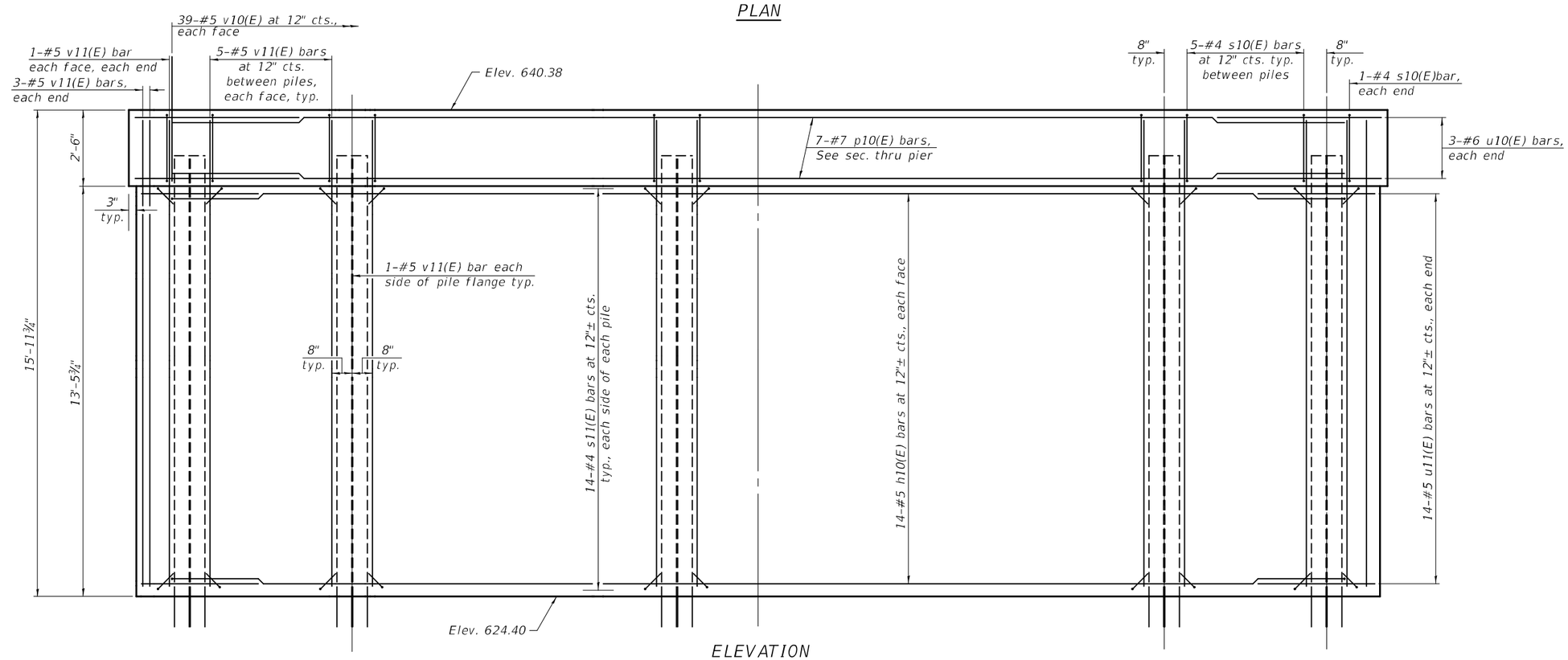


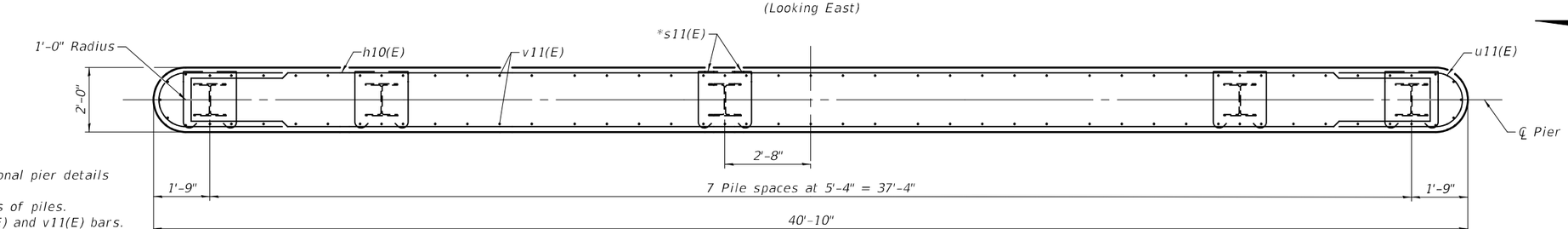
PLAN



SECTION THRU PIER



ELEVATION
(Looking East)



SECTION A-A

Notes:

See sheet 18 of 23 for additional pier details and Bill of Material.

See sheet 19 of 23 for details of piles.

*Hook s11(E) bar around h10(E) and v11(E) bars.

Clear cover for s11(E) bar will be 1½".

DESIGNED - RYAN P. NEGANGARD	EXAMINED	ENGINEER OF BRIDGE DESIGN	DATE - 3/17/2025	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PIER 2 STRUCTURE NO. 015-0077
CHECKED - TIFFANY L. MEIER / HAREEM I. DAR	PASSED	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -		
DRAWN - GLENN W. STOVER			REVISED -		
CHECKED - R.P.N. / G.R.A.					SHEET 17 OF 23 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	38
		CONTRACT NO. 74564		
	ILLINOIS	FED. AID PROJECT		

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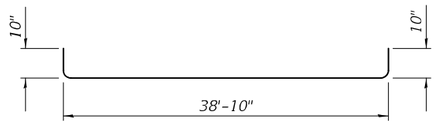
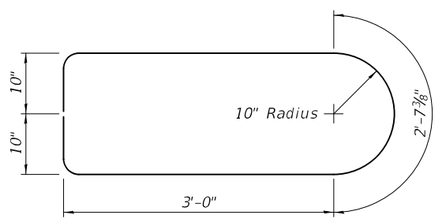
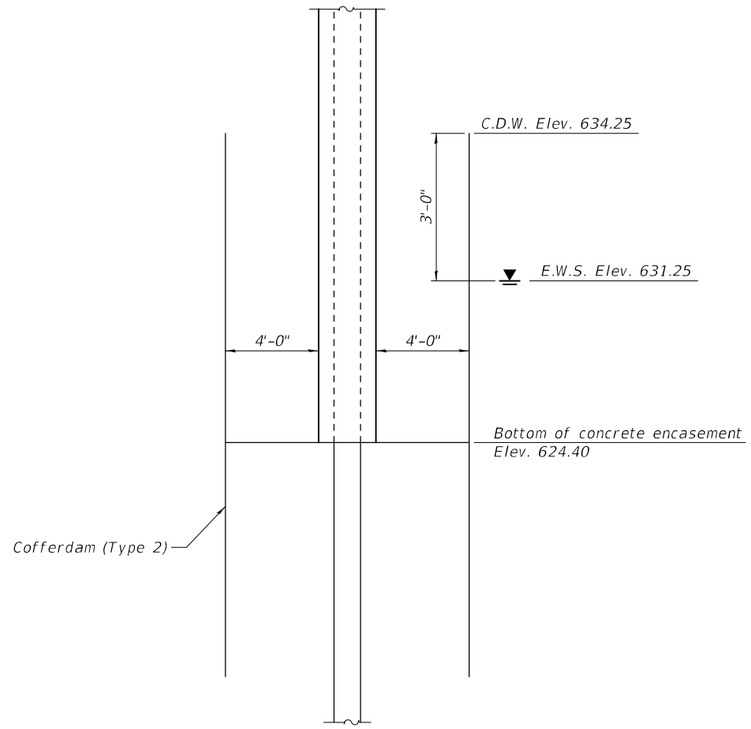


Bar h10(E)



Bar u11(E)



COFFERDAM DETAIL

PIER 1
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h10(E)	28	#5	40'-6"	
p10(E)	7	#7	38'-10"	
s10(E)	37	#4	9'-5"	
s11(E)	224	#4	2'-10"	
u10(E)	6	#6	12'-0"	
u11(E)	28	#5	10'-4"	
v10(E)	78	#5	4'-1"	
v11(E)	96	#5	15'-8"	
Cofferdam Excavation			Cu. Yd.	62
Cofferdam (Type 2) (Location 1)			Each	1
Concrete Structures			Cu. Yd.	50.9
Reinforcement Bars, Epoxy Coated			Pound	4,710
Furnishing Steel Piles HP12X53			Foot	472
Driving Piles			Foot	472
Pile Shoes			Each	8

PIER 2
BILL OF MATERIAL

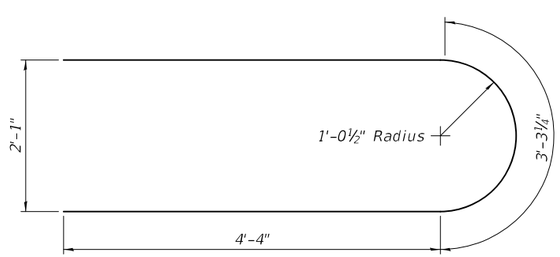
Bar	No.	Size	Length	Shape
h10(E)	28	#5	40'-6"	
p10(E)	7	#7	38'-10"	
s10(E)	37	#4	9'-5"	
s11(E)	224	#4	2'-10"	
u10(E)	6	#6	12'-0"	
u11(E)	28	#5	10'-4"	
v10(E)	78	#5	4'-1"	
v11(E)	96	#5	15'-8"	
Cofferdam Excavation			Cu. Yd.	61
Cofferdam (Type 2) (Location 2)			Each	1
Concrete Structures			Cu. Yd.	49.8
Reinforcement Bars, Epoxy Coated			Pound	4,710
Furnishing Steel Piles HP12X53			Foot	357
Driving Piles			Foot	357
Test Pile Steel HP12X53			Each	1
Pile Shoes			Each	8

PIER 1
PILE DATA

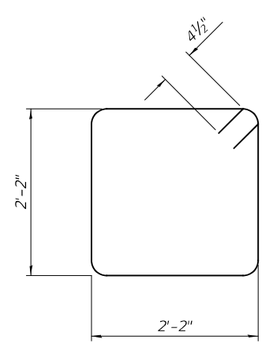
Type: HP 12X53 with Pile Shoes
Nominal Required Bearing: 418k
Factored Resistance Available: 217k
Est. Length: 59'-0"
No. Production Piles: 8
No. Test Piles: 0

PIER 2
PILE DATA

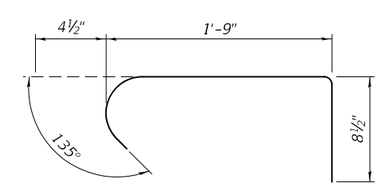
Type: HP 12X53 with Pile Shoes
Nominal Required Bearing: 418k
Factored Resistance Available: 211k
Est. Length: 51'-0"
No. Production Piles: 7
No. Test Piles: 1



Bar u10(E)



Bar s10(E)



Bar s11(E)

Notes:
For details of piles, see sheet 19 of 23.

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DESIGNED - RYAN P. NEGANGARD	EXAMINED	ENGINEER OF BRIDGE DESIGN	DATE - 3/17/2025
CHECKED - TIFFANY L. MEIER / HAREEM I. DAR	PASSED	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -
DRAWN - GLENN W. STOVER			REVISED -
CHECKED - R.P.N. / G.R.A.			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

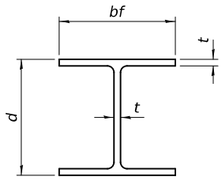
PIER DETAILS
STRUCTURE NO. 015-0077

SHEET 18 OF 23 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	39

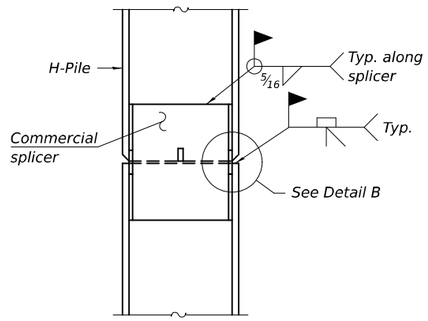
CONTRACT NO. 74564

ILLINOIS FED. AID PROJECT

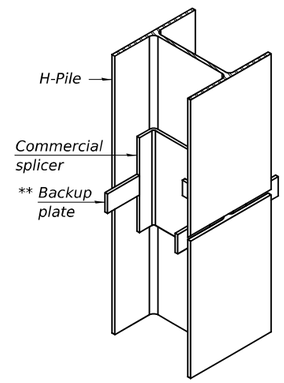


STEEL PILE TABLE

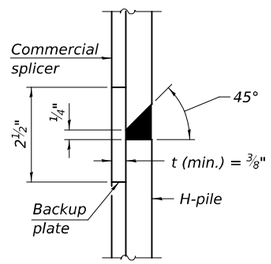
Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 18x181	18	18	1	36"
x157	17¾"	17⅞"	⅞"	36"
x135	17½"	17¾"	¾"	36"
HP 16x183	16½"	16½"	1⅛"	36"
x162	16¼"	16⅛"	1"	36"
x141	16	16	⅞"	36"
x121	15¾"	15⅞"	¾"	36"
HP 14x117	14¼"	14⅞"	13/16"	30"
x102	14"	14¾"	11/16"	30"
x89	13⅞"	14¾"	⅝"	30"
x73	13⅝"	14⅝"	½"	30"
HP 12x84	12¼"	12¼"	11/16"	24"
x74	12⅛"	12¼"	⅝"	24"
x63	12"	12⅛"	½"	24"
x53	11¾"	12"	7/16"	24"
HP 10x57	10"	10¼"	9/16"	24"
x42	9¾"	10⅛"	7/16"	24"
HP 8x36	8"	8⅛"	7/16"	18"



ELEVATION

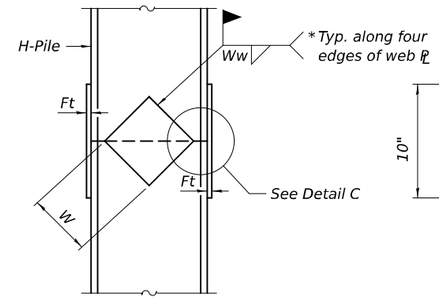


ISOMETRIC VIEW

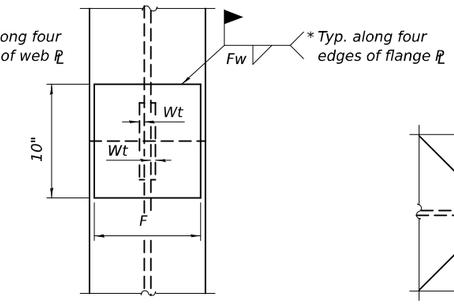


DETAIL B

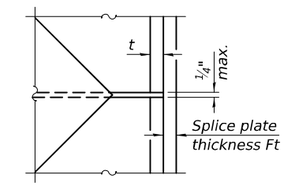
WELDED COMMERCIAL SPLICE



ELEVATION



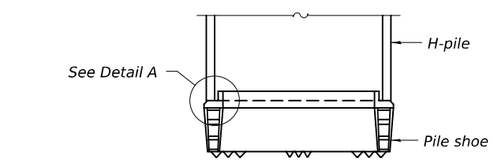
END VIEW



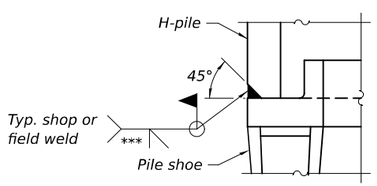
DETAIL C

Designation	F	Ft	Fw	W	Wt	Ww
HP 18x181	15½"	1½"	1"	9½"	⅞"	¾"
x157	15¼"	1¼"	1"	9½"	⅞"	¾"
x135	15¼"	1¼"	1"	9½"	⅞"	¾"
HP 16x183	13¾"	1½"	1"	8¼"	⅞"	¾"
x162	13½"	1½"	1"	8¼"	¾"	⅝"
x141	13½"	1¼"	⅞"	8¼"	¾"	⅝"
x121	13½"	1¼"	⅞"	8¼"	¾"	⅝"
HP 14x117	12½"	1¼"	⅞"	7¾"	⅝"	½"
x102	12½"	1"	¾"	7¾"	⅝"	½"
x89	12½"	⅞"	11/16"	7¾"	⅝"	½"
x73	12½"	¾"	9/16"	7¾"	⅝"	½"
HP 12x84	10"	1"	11/16"	6½"	⅝"	½"
x74	10"	⅞"	11/16"	6½"	⅝"	½"
x63	10"	¾"	½"	6½"	½"	⅜"
x53	10"	¾"	½"	6½"	½"	⅜"
HP 10x57	8"	⅞"	9/16"	5¼"	½"	⅜"
x42	8"	¾"	9/16"	5¼"	½"	⅜"
HP 8x36	6¾"	⅝"	7/16"	4"	½"	⅜"

WELDED PLATE FIELD SPLICE

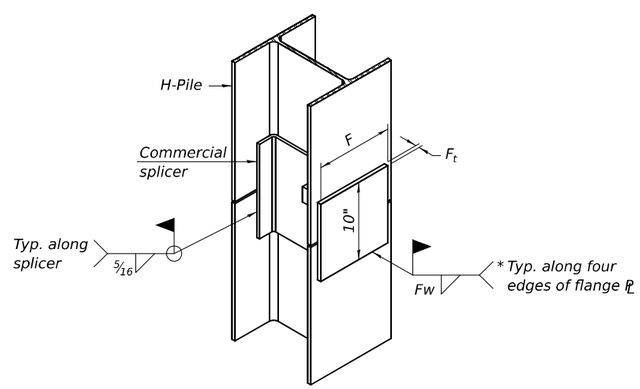


ELEVATION



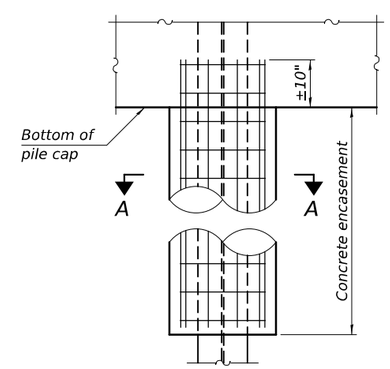
DETAIL A

SHOE ATTACHMENT

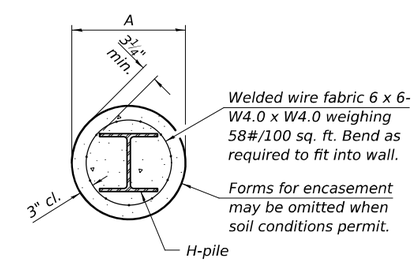


ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE ALTERNATE



ELEVATION



SECTION A-A

INDIVIDUAL PILE CONCRETE ENCASEMENT
(when specified)

Note:
The steel H-piles shall be according to AASHTO M270 Grade 50.

* Interrupt welds ¼" from end of web and/or each flange.

** Remove portions of backup plates that extend outside the flanges.

*** Weld size per pile shoe manufacturer (5/16" min.).

F-HP 10-27-2023

DESIGNED - RYAN P. NEGANGARD	EXAMINED	ENGINEER OF BRIDGE DESIGN	DATE - 3/17/2025
CHECKED - TIFFANY L. MEIER / HAREEM I. DAR			
DRAWN - GLENN W. STOVER	PASSED	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -
CHECKED - R.P.N. / G.R.A.			REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HP PILE DETAILS
STRUCTURE NO. 015-0077

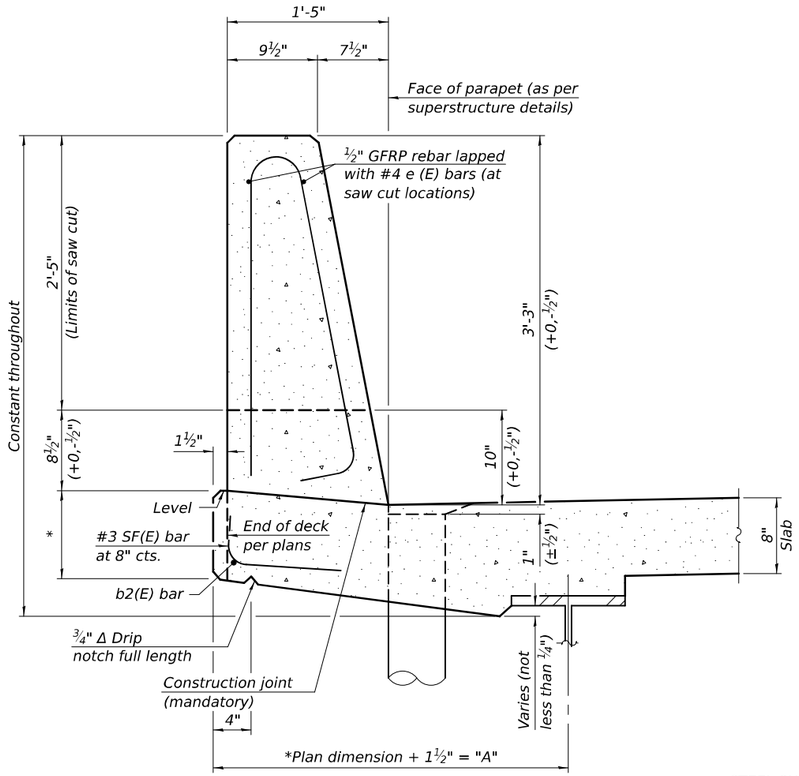
SHEET 19 OF 23 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	40

CONTRACT NO. 74564

ILLINOIS | FED. AID PROJECT

MODEL: 0150077-74564-019
FILE NAME: pw://ildot-pw.bentley.com:PWIDOT/Documents/IDOT Offices/Bureau of Bridges and Structures/OBM Projects/0150077/CADData/Bridge/0150077-74564.dgn
3/17/2025 11:52:40 AM

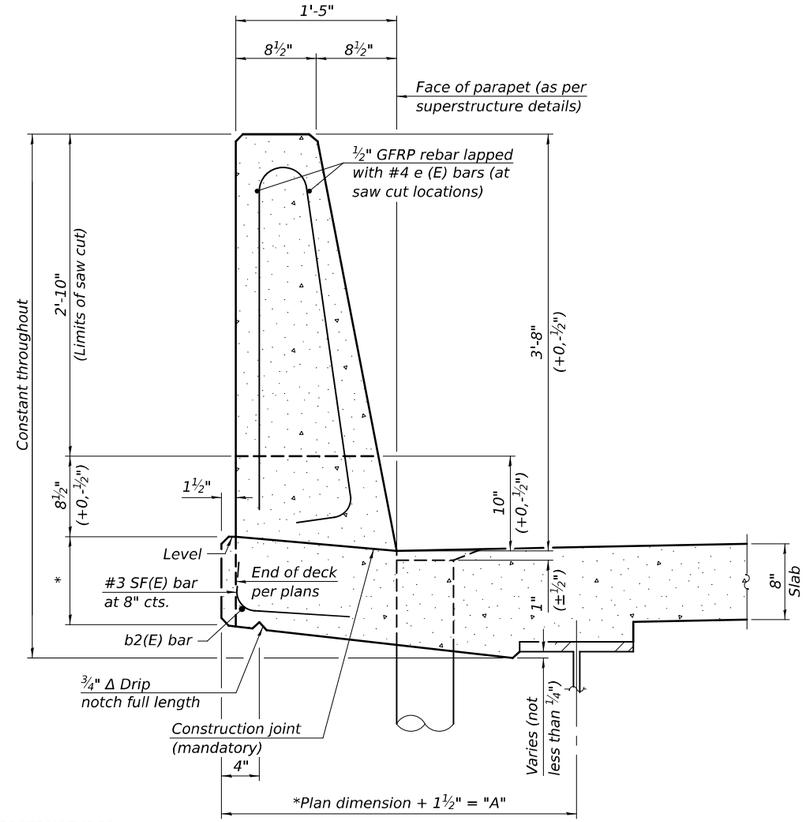


39" CONSTANT-SLOPE PARAPET SECTION

(Showing dimensions, d(E), and ½" Ø GFRP rebar)

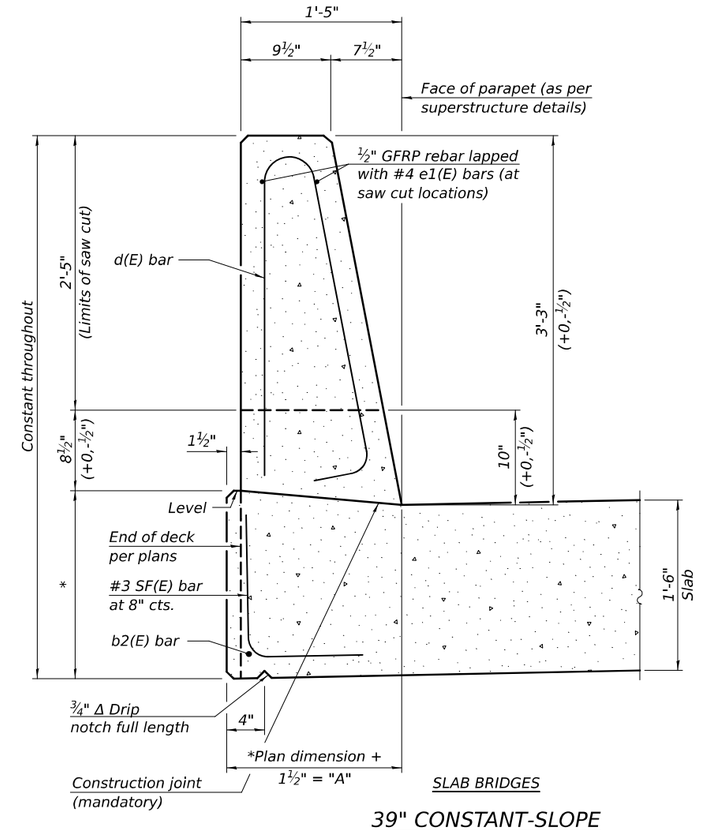
STEEL SUPERSTRUCTURES

*See Superstructure Details.



44" CONSTANT-SLOPE PARAPET SECTION

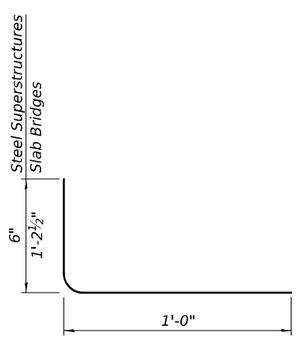
(Showing dimensions, d(E), and ½" Ø GFRP rebar)



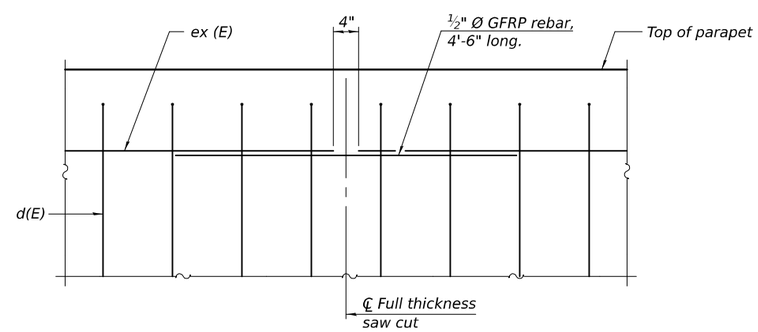
SLAB BRIDGES

39" CONSTANT-SLOPE PARAPET SECTION

(Showing dimensions, d(E), and ½" Ø GFRP rebar)



SF(E) BAR



DETAIL - GFRP REBAR STIFFENING ELEVATION

(Place as shown in parapet section at each parapet joint location.)

Notes:
All dimensions shall remain the same as shown on superstructure details, except dimension "A" which is to be revised as shown.
Additional concrete needed to revise dimension "A" (39" and 44" parapets):
Steel Superstructures: 0.00348 cu. yds./ft.
Slab Bridge Superstructures: 0.00766 cu. yds./ft.
Place full depth aluminum sheets as shown on superstructure details.
Replace all cork joint filler locations with a full thickness saw cut.
Steel and slab superstructures shown. Other superstructure types similar.

SFP 39-44 10/27/2023

DESIGNED - RYAN P. NEGANGARD	EXAMINED	DATE - 3/17/2025	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
CHECKED - TIFFANY L. MEIER / HAREEM I. DAR	ENGINEER OF BRIDGE DESIGN		
DRAWN - GLENN W. STOVER	PASSED	REVISED -	
CHECKED - R.P.N. / G.R.A.	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -	

CONCRETE PARAPET SLIPFORMING OPTION
STRUCTURE NO. 015-0077

SHEET 20 OF 23 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	41

CONTRACT NO. 74564

ILLINOIS FED. AID PROJECT

MODEL: 0150077-74564-020
FILE NAME: pw://ildot-pw.bentley.com:PWIDOT/Documents/IDOT O ces/Bureau of Bridges and Structures/OBM Projects/0150077/CADData/Bridge/0150077-74564.dgn
3/17/2025 11:51:36 AM

Illinois Department of Transportation

Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 4/10/19

ROUTE FAS 1669 DESCRIPTION Riley Creek, 3 Miles West of Charleston LOGGED BYE. Sandschafer

SECTION (6BR)B-1 LOCATION Riley Creek, SEC. 1, TWP. 12N, RNG. 8E, 3rd PM, Latitude W 88.252996, Longitude N 39.506896

COUNTY Coles DRILLING METHOD Hollow stem auger & split spoon HAMMER Auto 140#

STRUCT. NO. 015-0068 (E) 015-0077 (P)
Station 350+20

BORING NO. 1 West Abutment
Station 349+56
Offset 10.0 ft North
Ground Surface Elev. 642.72 ft

Surface Water Elev. 632.24 ft
Stream Bed Elev. 627.46 ft

Groundwater Elev.:
First Encounter 615.7 ft ▼
Upon Completion 631.7 ft ▽
After 168 Hrs. 635.7 ft ▽

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
12-3/4" Asphalt	641.62				
6" Aggregate Subbase	641.12				
Brown, CLAY LOAM		-5	3		
			4	1.7	17
Stiff, moist			3	B	
	635.72 ▽				
Very stiff, moist, dark grey/black, CLAY			3		
			4	3.5	19
			3	P	
	633.22				
Medium, moist, dark grey, CLAY LOAM		-10	1		
			2	0.9	22
	▽		3	B	
	630.72				
Medium, moist, dark grey, SILTY CLAY			1		
			2	0.8	23
			2	B	
	627.72	-15	2		
Hard, moist, brown, CLAY (Till)			3	5.4	13
			7	B	
Rock lodged in front of sampler			14		
			48	NT	
			35		
Stiff, grey	622.72	-20	6		
	620.72				
Medium to stiff, moist, grey, CLAY LOAM (Till)			6		
			8	1.0	14
			8	P	
		-25	5		
			6	1.0	14
			7	P	
	▼				
Medium			5		
			7	0.8	15
			10	P	
Hard		-30	6		
			21	2.9	11
			18	B	
	608.22				
Hard, moist, grey, SANDY CLAY LOAM (Till)		-35	48		
			50	7.9	8
Chert rock in sampler			3-1/2"	S	
			50		
			2-5/8"		
	602.72	-40	50		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206), WH-Weight of Hammer.

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation

Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 4/10/19

ROUTE FAS 1669 DESCRIPTION Riley Creek, 3 Miles West of Charleston LOGGED BYE. Sandschafer

SECTION (6BR)B-1 LOCATION Riley Creek, SEC. 1, TWP. 12N, RNG. 8E, 3rd PM, Latitude W 88.252996, Longitude N 39.506896

COUNTY Coles DRILLING METHOD Hollow stem auger & split spoon HAMMER Auto 140#

STRUCT. NO. 015-0068 (E) 015-0077 (P)
Station 350+20

BORING NO. 1 West Abutment
Station 349+56
Offset 10.0 ft North
Ground Surface Elev. 642.72 ft

Surface Water Elev. 632.24 ft
Stream Bed Elev. 627.46 ft

Groundwater Elev.:
First Encounter 615.7 ft ▼
Upon Completion 631.7 ft ▽
After 168 Hrs. 635.7 ft ▽

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Large rock in front of sampler			2-3/8"	NT	
			50		
			1-9/16"		
			50		
			1-7/8"		
Hard, moist, grey		-45	36		
			49	11.1	8
			50	S	
			4-9/16"		
	593.22				
Hard, moist, grey, SILTY CLAY shale		-50	19		
			18	6.2	14
			29	S	
		-55			
	583.22				
Borehole continued with rock coring.		-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206), WH-Weight of Hammer.

BBS, form 137 (Rev. 8-99)

MODEL: 0150077-74564-021
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\Bureau of Bridges and Structures\Projects\0150077\CADD Plans\0150077-74564.dgn

DESIGNED - RYAN P. NEGANGARD	EXAMINED	DATE - 3/17/2025	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
CHECKED - TIFFANY L. MEIER / HAREEM I. DAR	ENGINEER OF BRIDGE DESIGN		
DRAWN - GLENN W. STOVER	PASSED	REVISED -	
CHECKED - R.P.N. / G.R.A.	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -	

SOIL BORING LOGS
STRUCTURE NO. 015-0077

SHEET 21 OF 23 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	42

CONTRACT NO. 74564

ILLINOIS FED. AID PROJECT

3/17/2025 11:05:38 AM

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

ROCK CORE LOG

Date 4/10/19

ROUTE FAS 1669 DESCRIPTION Riley Creek, 3 Miles West of Charleston LOGGED BYE. Sandschafer

SECTION (6BR)B-1 LOCATION Riley Creek, SEC. 1, TWP. 12N, RNG. 8E, 3rd PM,
Latitude W 88.252996, Longitude N 39.506896

COUNTY Coles CORING METHOD Rotary, surf set diamond bit

STRUCT. NO. 015-0068 (E) 015-0077 (P)
Station 350+20

CORING BARREL TYPE & SIZE NW, conv dbl bbl, split inner

Core Diameter 2.1 in
Top of Rock Elev. 583.22 ft
Begin Core Elev. 583.22 ft

BORING NO. 1 West Abutment
Station 349+56
Offset 10.0 ft North
Ground Surface Elev. 642.72 ft

		DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Grey SANDSTONE Depth: 59.5', Moisture Content: 2.8%, Dry Density: 150.2 pcf	583.22	-60	B1C1	82	75	2.4	569.5
	581.72						
Dark grey SHALE	581.22						
Grey SANDY CLAY	580.72						
SHALE	580.22						
Grey SILTY CLAY SHALE, soft field hardness	579.22						
No recovery	578.22						
Grey SHALE, weathered, soft field hardness Depth: 66.7', Moisture Content: 14.2%, Dry Density: 118.5 pcf		-65	B1C2	72	38	5.1	3.9
	574.47						
No recovery	573.22						
Extent of Exploration. Benchmark: BM 610 Chiseled square on the SE Abutment of Structure #015-0068, Sta.350+60, 17' RT. End of Boring		-70 -75					

Color pictures of the cores Available upon Request
Cores will be stored for examination until 04/10/24
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 4/17/19

ROUTE FAS 1669 DESCRIPTION Riley Creek, 3 Miles West of Charleston LOGGED BYE. Sandschafer

SECTION (6BR)B-1 LOCATION Riley Creek, SEC. 1, TWP. 12N, RNG. 8E, 3rd PM,
Latitude W 88.252595, Longitude N 39.506812

COUNTY Coles DRILLING METHOD Hollow stem auger & split spoon HAMMER Auto 140#

STRUCT. NO. 015-0068 (E) 015-0077 (P)
Station 350+20

BORING NO. 2 East Abutment
Station 350+85
Offset 9.0 ft South
Ground Surface Elev. 640.26 ft

Surface Water Elev. 632.24 ft
Stream Bed Elev. 627.46 ft

Groundwater Elev.:
First Encounter 613.3 ft ▼
Upon Completion 628.3 ft ▽
After 48 Hrs. 635.3 ft ▽

		DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
14" Asphalt	639.09				
6" Aggregate Subbase	638.56				
Brown, SANDY CLAY Medium, moist, dark brown		▽-5	0 2 3	1.0 B	16
	633.26				
Stiff, moist, dark brown, SILTY CLAY			2 3 4	1.2 B	27
	574.47				
No recovery	573.22				
Extent of Exploration.		-70			

		DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
			7 9	2.9 B	12
	618.26				
Stiff, moist, grey, CLAY with sand			3 3 3	1.7 B	18
	615.76				
Very stiff, moist, bluish grey, CLAY LOAM (Till)		-25	3 4 4	2.9 B	22
	613.26 ▼				
Medium, moist, grey, SANDY LOAM with 1/2" fine grained grey sand lenses			3 7 7	0.8 S	21
	610.76				
Very stiff, moist, grey, SANDY LOAM (Till)		-30	3 18 25	2.8 S	8
	609.46				
Hard, moist, grey, CLAY (Till) 32'-34' hard drilling					
		-35	46 50 5-1/8"	4.5 P	7
			50 4-9/16"		
Augers locked up	600.26-40		40		

		DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	627.26				
Stiff, moist, brown, CLAY LOAM (Till)			2 4	1.9 B	16
		-15	4		
Very stiff, grey			5 9	2.7 B	13
			5		
			6 10	2.9 B	12
		-20	5		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206), WH-Weight of Hammer.

BBS, form 137 (Rev. 8-99)

MODEL: 0150077-74564-022
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\Bureau of Bridges and Structures\Projects\0150077\CADD Plans\0150077-74564.dgn

DESIGNED - RYAN P. NEGANGARD	EXAMINED	DATE - 3/17/2025	
CHECKED - TIFFANY L. MEIER / HAREEM I. DAR		ENGINEER OF BRIDGE DESIGN	
DRAWN - GLENN W. STOVER	PASSED	REVISED -	
CHECKED - R.P.N. / G.R.A.		ENGINEER OF BRIDGES AND STRUCTURES	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 015-0077

SHEET 22 OF 23 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	43

CONTRACT NO. 74564

ILLINOIS FED. AID PROJECT

3/17/2025 11:05:38 AM

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 4/17/19

ROUTE FAS 1669 DESCRIPTION Riley Creek, 3 Miles West of Charleston LOGGED BYE. Sandschafer

SECTION (6BR)B-1 LOCATION Riley Creek, SEC. 1, TWP. 12N, RNG. 8E, 3rd PM.
Latitude W 88.252595, Longitude N 39.506812

COUNTY Coles DRILLING METHOD Hollow stem auger & split spoon HAMMER Auto 140#

STRUCT. NO. 015-0068 (E) 015-0077 (P)
Station 350+20

BORING NO. 2 East Abutment
Station 350+85
Offset 9.0 ft South
Ground Surface Elev. 640.26 ft

Surface Water Elev. 632.24 ft
Stream Bed Elev. 627.46 ft

Groundwater Elev.:
First Encounter 613.3 ft
Upon Completion 628.3 ft
After 48 Hrs. 635.3 ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard, moist, grey, CLAY (Till)		50 4-15/16" 50 3"	9.2 S	8
	-45			
Sample reassembled for testing		37 44 50 5-3/8"	12.1 B	8
	590.76			
Very dense, moist, grey, CLAY SHALE	-50	43 50 2-3/8"	NT	7
	589.26			
Benchmark: BM 610 Chiseled square on the SE Abutment of Structure #015-0068, Sta.350+60, 17' RT. End of Boring		50 1-7/8"		
	-55			
	-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206), WH-Weight of Hammer.
BBS, form 137 (Rev. 8-99)

MODEL: 0150077-74564-023
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\Bureau of Bridges and Structures\Projects\0150077\CADD Plans\0150077-74564.dgn

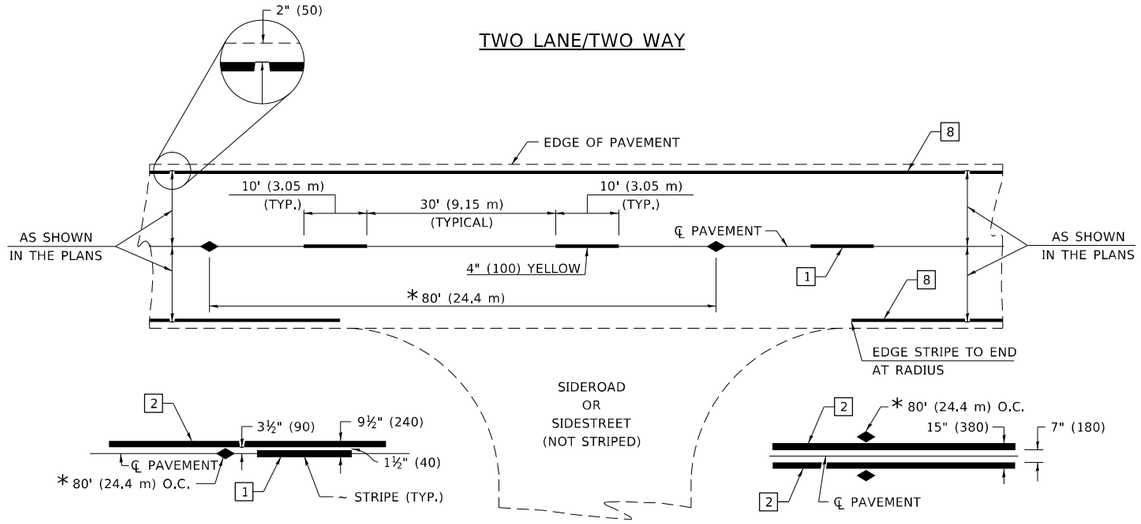
DESIGNED - RYAN P. NEGANGARD	EXAMINED	DATE - 3/17/2025	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
CHECKED - TIFFANY L. MEIER / HAREEM I. DAR	ENGINEER OF BRIDGE DESIGN		
DRAWN - GLENN W. STOVER	PASSED	REVISED -	
CHECKED - R.P.N. / G.R.A.	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -	

SOIL BORING LOGS
STRUCTURE NO. 015-0077
SHEET 23 OF 23 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	44
		CONTRACT NO. 74564		
		ILLINOIS	FED. AID PROJECT	

3/17/2025 11:05:39 AM

TWO LANE/TWO WAY



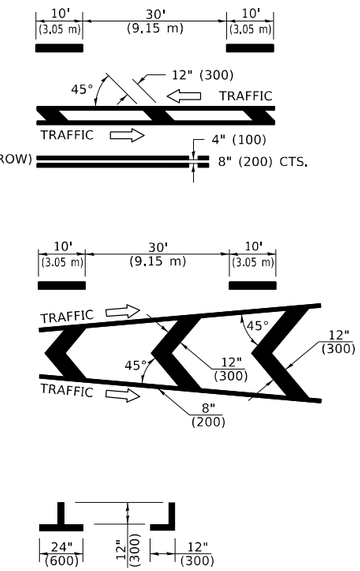
SINGLE NO PASSING

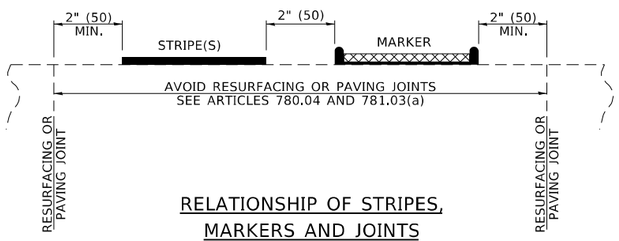
DOUBLE NO PASSING

* REDUCE TO 40' (12.2 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEEDS OF 45 mph (70 km/h) OR LESS.

PAVEMENT MARKING LEGEND

1. 4" (100) SKIP-DASH (YELLOW)
2. 4" (100) SOLID (YELLOW)
3. 12" (300) DIAGONAL (YELLOW)
4. 4" (100) DOUBLE YELLOW (NARROW)
5. 12" (300) SOLID WHITE
6. RESERVED
7. 6" (150) SKIP-DASH (WHITE)
8. 4" (100) SOLID (WHITE)
9. 12" (300) DIAGONAL (WHITE)
10. 6" (150) SOLID (WHITE)
11. 24" (600) STOP BAR (WHITE)
12. 8" (200) SOLID (WHITE)
13. 4" (100) PARKING WHITE



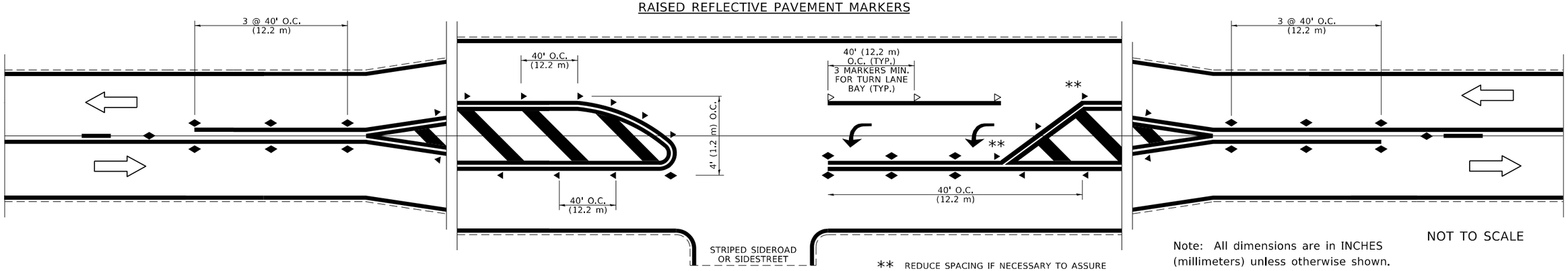


RELATIONSHIP OF STRIPES, MARKERS AND JOINTS

TYPICAL PAVEMENT MARKERS LEGEND

- ◆ TWO-WAY AMBER MARKER
- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER

RAISED REFLECTIVE PAVEMENT MARKERS



** REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.

NOT TO SCALE

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 7 DETAIL NO. 78000001

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	45
		CONTRACT NO. 74564		
		ILLINOIS	FED. AID PROJECT	

USER NAME = jessica.hille	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/14/2024	DATE -	REVISED -

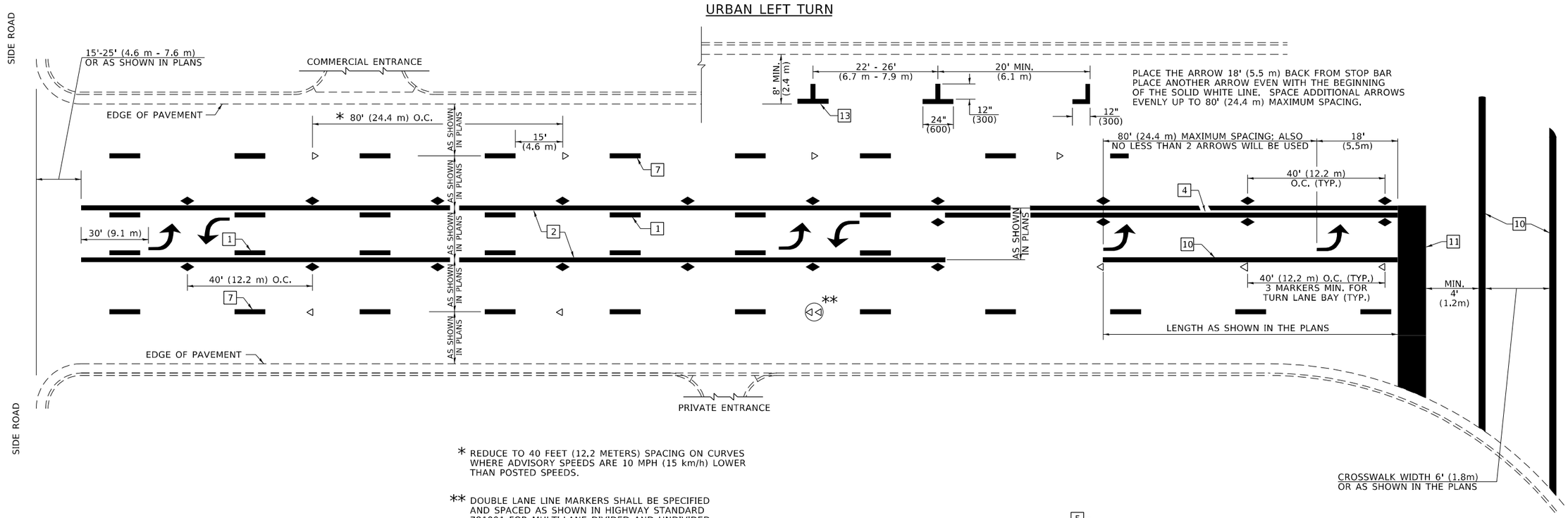
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL AND URBAN APPLICATIONS)

SCALE: SHEET OF SHEETS STA. TO STA.

MODEL: Default
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 7\Projects\74564\CADData\CADsheets\0774564-sht-detail.dgn

URBAN LEFT TURN

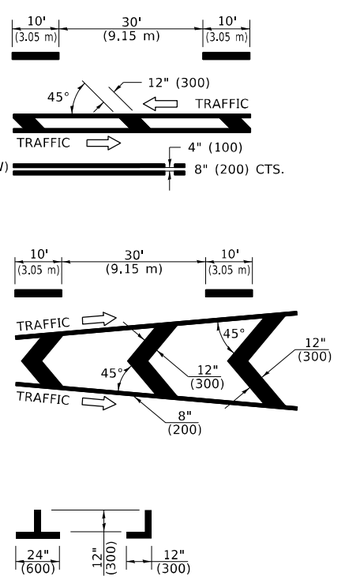


* REDUCE TO 40 FEET (12.2 METERS) SPACING ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

** DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

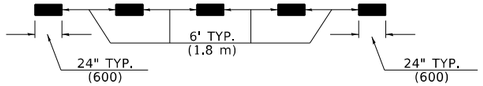
PAVEMENT MARKING LEGEND

1. 4" (100) SKIP-DASH (YELLOW)
2. 4" (100) SOLID (YELLOW)
3. 12" (300) DIAGONAL (YELLOW)
4. 4" (100) DOUBLE YELLOW (NARROW)
5. 12" (300) SOLID WHITE
6. RESERVED
7. 6" (150) SKIP-DASH (WHITE)
8. 4" (100) SOLID (WHITE)
9. 12" (300) DIAGONAL (WHITE)
10. 6" (150) SOLID (WHITE)
11. 24" (600) STOP BAR (WHITE)
12. 8" (200) SOLID (WHITE)
13. 4" (100) PARKING WHITE

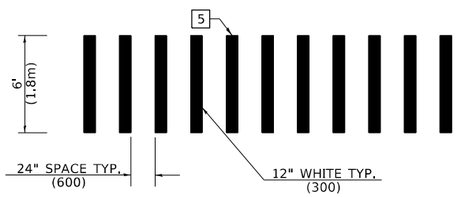


GENERAL NOTES

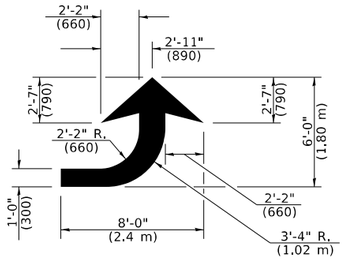
1. TURN ARROW PAIRS SHALL BE PLACED AT 250'(75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE. USE A MINIMUM OF TWO PAIRS PER BLOCK.
2. THE SOLID YELLOW PAVEMENT MARKINGS 2 SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.
3. THE SKIP-DASH PAVEMENT MARKINGS 1 OR 7 SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER.
4. USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)
5. LANE LINE EXTENSIONS SHALL BE THE SAME COLOR AND WIDTH AS THE LANE LINE BEING EXTENDED.



LANE LINE EXTENSIONS

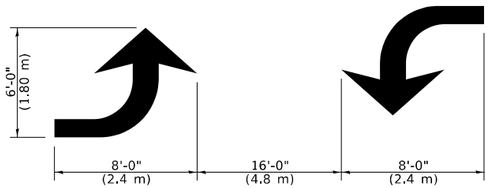


CROSSWALK DETAIL
(DECATUR CITY LIMITS ONLY)



LEFT ARROW

REVERSE FOR RIGHT ARROW
AREA = 15.6 SQ. FT. (1.47 m^2)
(WHITE)



TYPICAL DOUBLE
TURN ARROWS (WHITE)

NOT TO SCALE

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 7 DETAIL NO. 78000001

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	46
		CONTRACT NO. 74564		
		ILLINOIS FED. AID PROJECT		

USER NAME = jessica.hille	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/14/2024	DATE -	REVISED -

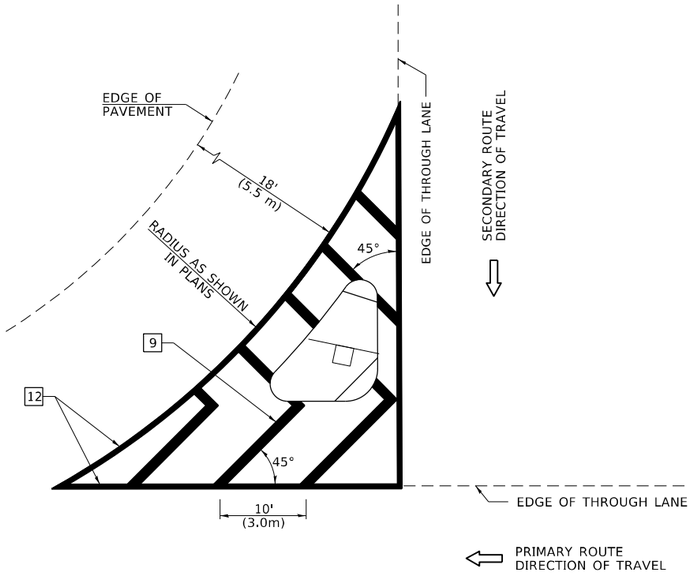
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL AND URBAN APPLICATIONS)

SCALE: SHEET OF SHEETS STA. TO STA.

MODEL: Default
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 7\Projects\74564\CADData\CADsheets\0774564-sht-details.dgn

ISLAND



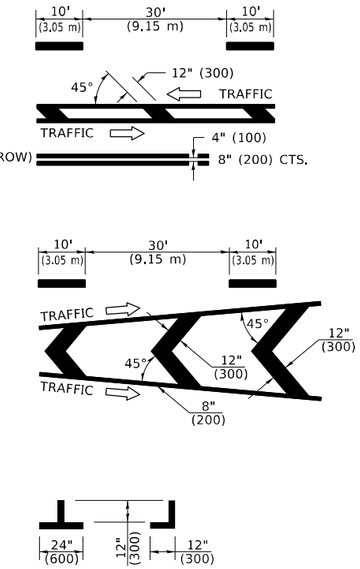
GENERAL NOTES

1. RAISED AND CORRUGATED MEDIANS SHALL BE OUTLINED WITH [2] IF PRESENT.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
5. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING:

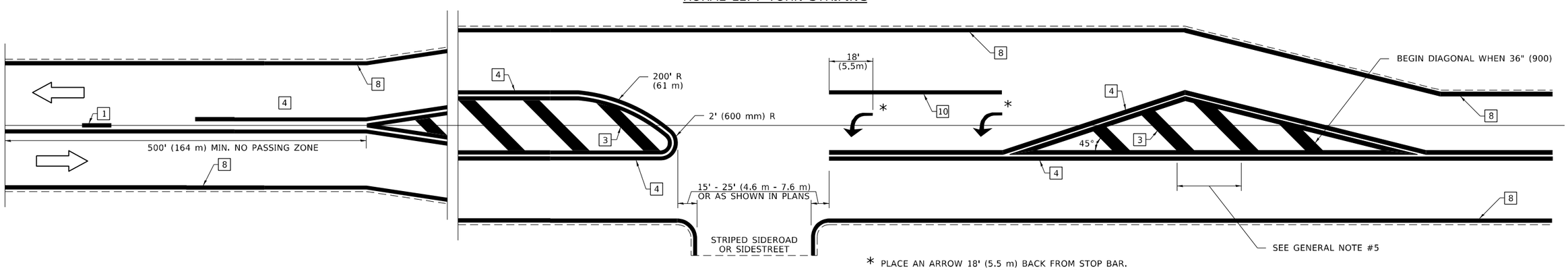
<30 MPH	(<50 km/h)	15' (4.5 m)
30-45 MPH	(50-75 km/h	20' (6.0 m)
>45 MPH	(>75 km/h	30' (9.0 m)

PAVEMENT MARKING LEGEND

1	4" (100) SKIP-DASH (YELLOW)
2	4" (100) SOLID (YELLOW)
3	12" (300) DIAGONAL (YELLOW)
4	4" (100) DOUBLE YELLOW (NARROW)
5	12" (300) SOLID WHITE
6	RESERVED
7	6" (150) SKIP-DASH (WHITE)
8	4" (100) SOLID (WHITE)
9	12" (300) DIAGONAL (WHITE)
10	6" (150) SOLID (WHITE)
11	24" (600) STOP BAR (WHITE)
12	8" (200) SOLID (WHITE)
13	4" (100) PARKING WHITE



RURAL LEFT TURN STRIPING



* PLACE AN ARROW 18' (5.5 m) BACK FROM STOP BAR. PLACE ANOTHER ARROW EVEN WITH THE BEGINNING OF THE SOLID WHITE LINE. SPACE ADDITIONAL ARROWS EVENLY UP TO 80' (24.4 m) MAXIMUM SPACING. USE MINIMUM OF 2 ARROWS.

NOT TO SCALE

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 7 DETAIL NO. 78000001

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	47
		CONTRACT NO. 74564		
		ILLINOIS	FED. AID PROJECT	

USER NAME = jessica.hille	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 2/14/2024	DATE -	REVISED -	

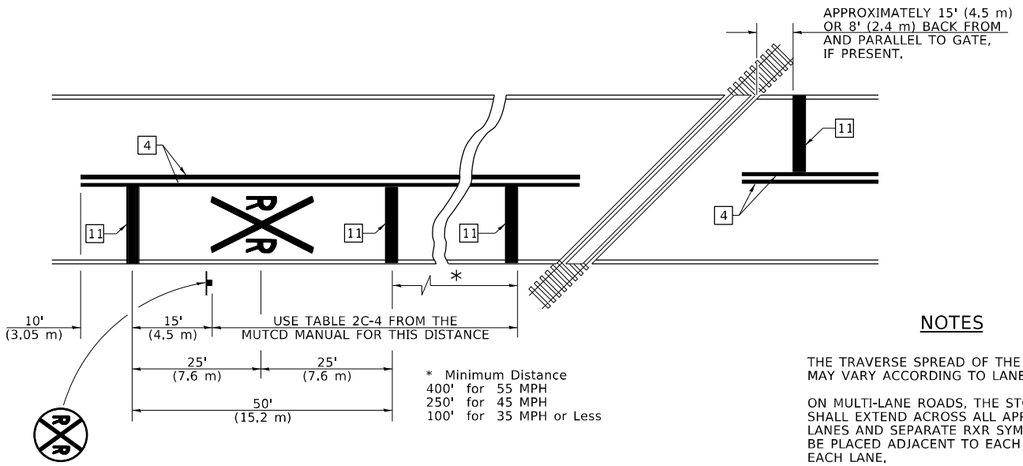
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

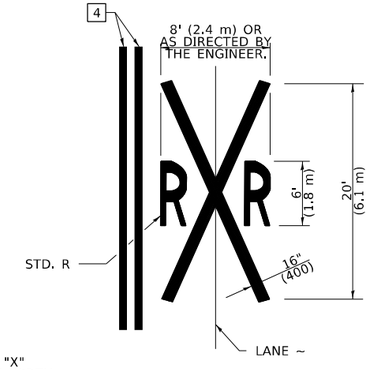
PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL AND URBAN APPLICATIONS)

SCALE: SHEET OF SHEETS STA. TO STA.

MODEL: Default
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 7\Projects\74564\CADData\CADsheets\0774564-sht-detail.dgn

PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING





NOTES

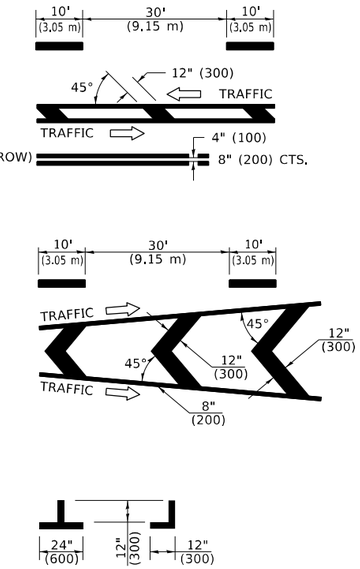
THE TRAVERSE SPREAD OF THE "X" MAY VARY ACCORDING TO LANE WIDTH.

ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

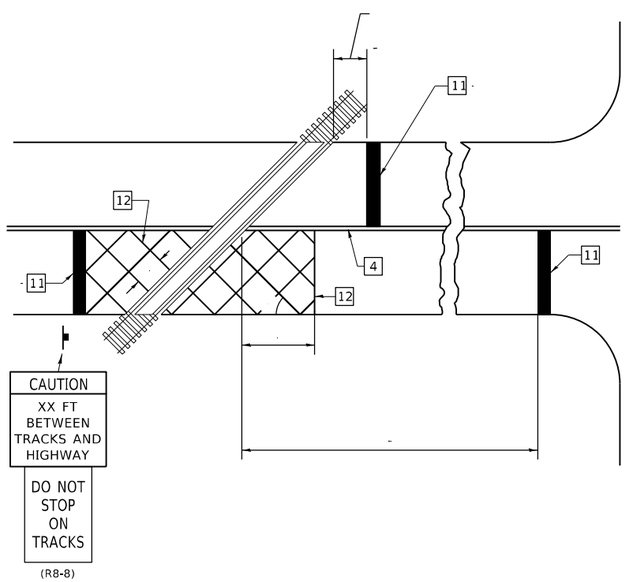
WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.

PAVEMENT MARKING LEGEND

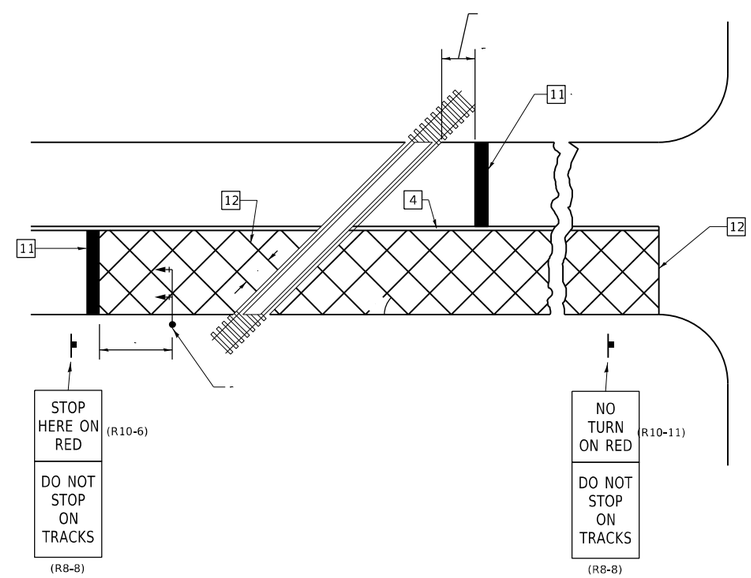
1	4" (100) SKIP-DASH (YELLOW)
2	4" (100) SOLID (YELLOW)
3	12" (300) DIAGONAL (YELLOW)
4	4" (100) DOUBLE YELLOW (NARROW)
5	12" (300) SOLID WHITE
6	RESERVED
7	6" (150) SKIP-DASH (WHITE)
8	4" (100) SOLID (WHITE)
9	12" (300) DIAGONAL (WHITE)
10	6" (150) SOLID (WHITE)
11	24" (600) STOP BAR (WHITE)
12	8" (200) SOLID (WHITE)
13	4" (100) PARKING WHITE



RAILROAD CROSSING WITH INTERCONNECT ONLY



RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

GENERAL NOTES

1. SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
2. EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.

NOT TO SCALE

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 7 DETAIL NO. 78000001

USER NAME = jessica.hille	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL AND URBAN APPLICATIONS)	
	DRAWN -	REVISED -			
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -			
PLOT DATE = 2/14/2024	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.	

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	48
		CONTRACT NO. 74564		
		ILLINOIS FED. AID PROJECT		

MODEL: Default
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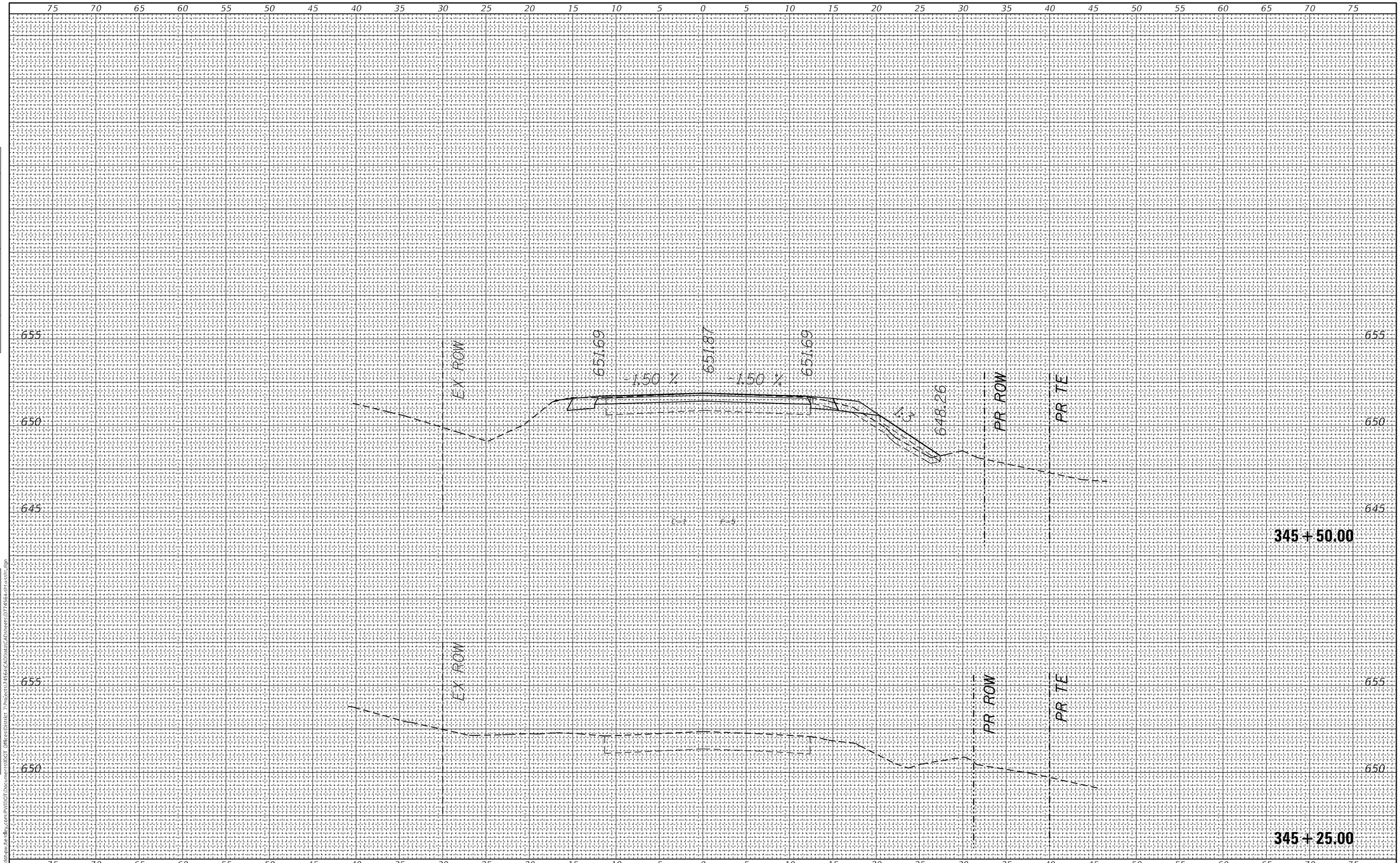

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

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

MODEL: Default
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USER NAME = jessica.hille	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 2/14/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

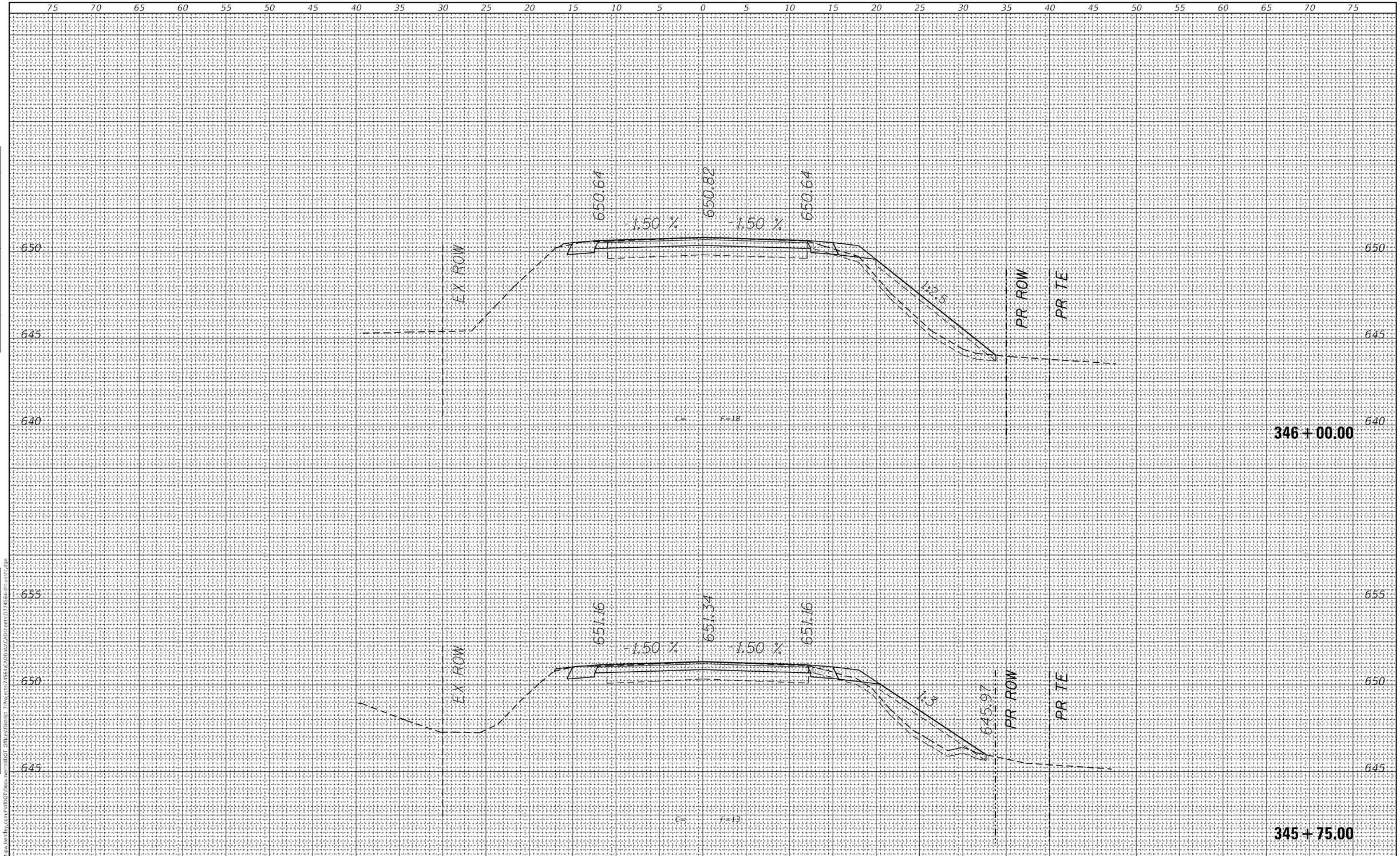
CROSS SECTIONS

SCALE: | SHEET OF SHEETS | STA. 345+25.00 TO STA. 345+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	49

CONTRACT NO. 74564

ILLINOIS | FED. AID PROJECT



USER NAME = jessica.hille	DESIGNED -	REVISED -	
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PLOT DATE = 2/14/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: | SHEET OF SHEETS | STA. 345+75.00 TO STA. 346+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	50

CONTRACT NO. 74564

ILLINOIS | FED. AID PROJECT

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

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

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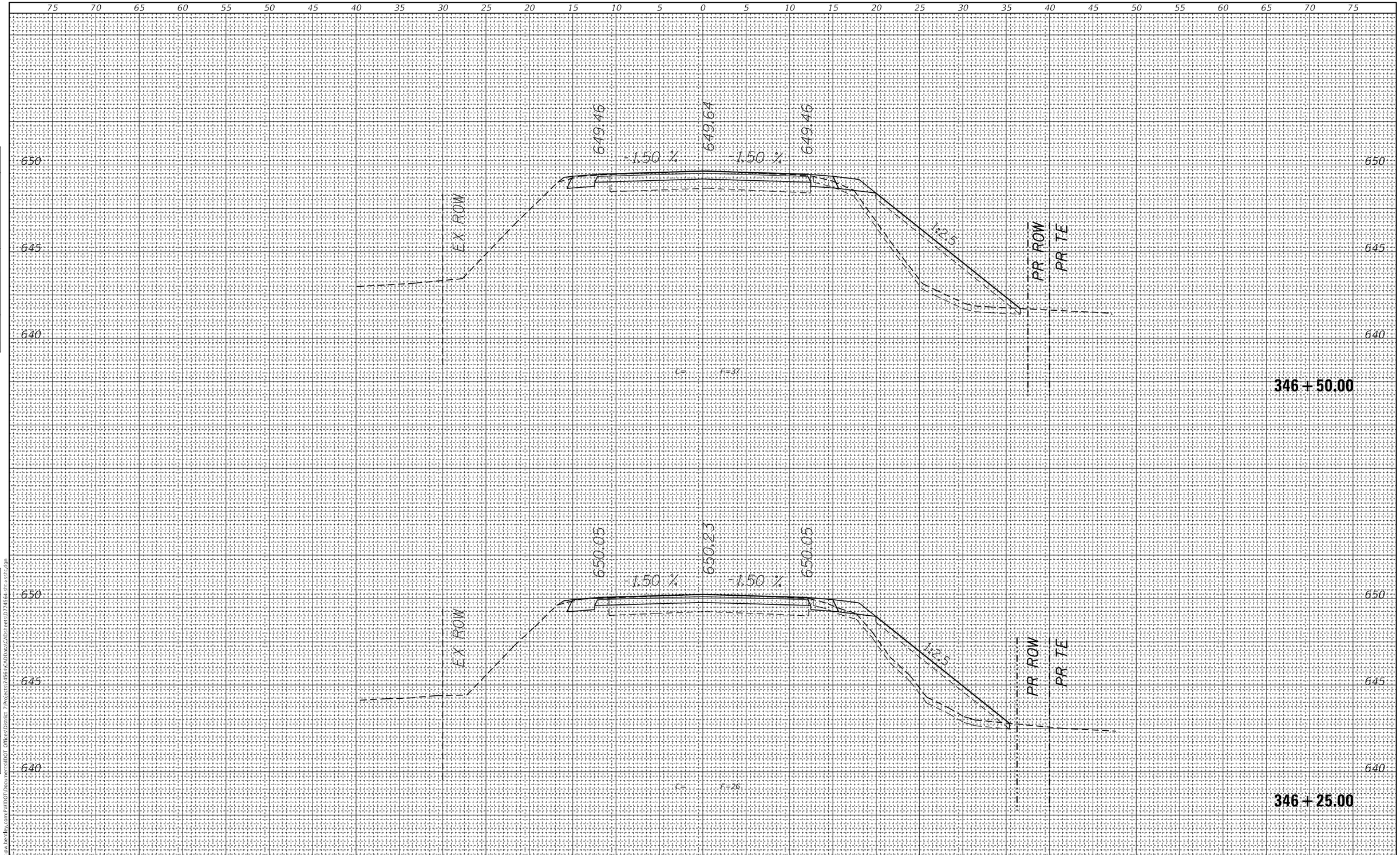

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	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/14/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 346+25.00 TO STA. 346+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	51

CONTRACT NO. 74564

ILLINOIS FED. AID PROJECT

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

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

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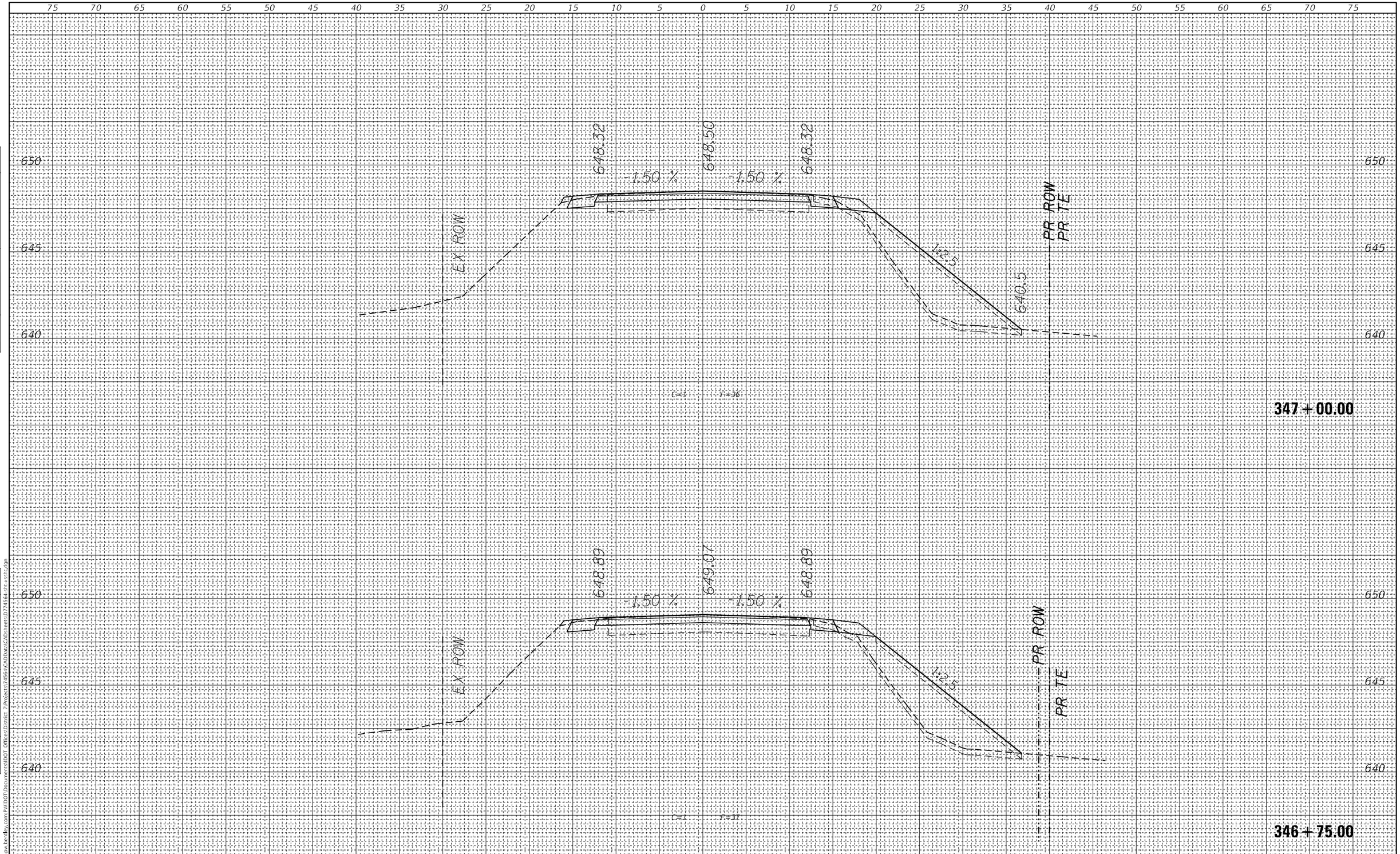

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SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK		
NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK		
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USER NAME = jessica.hille	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 2/14/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

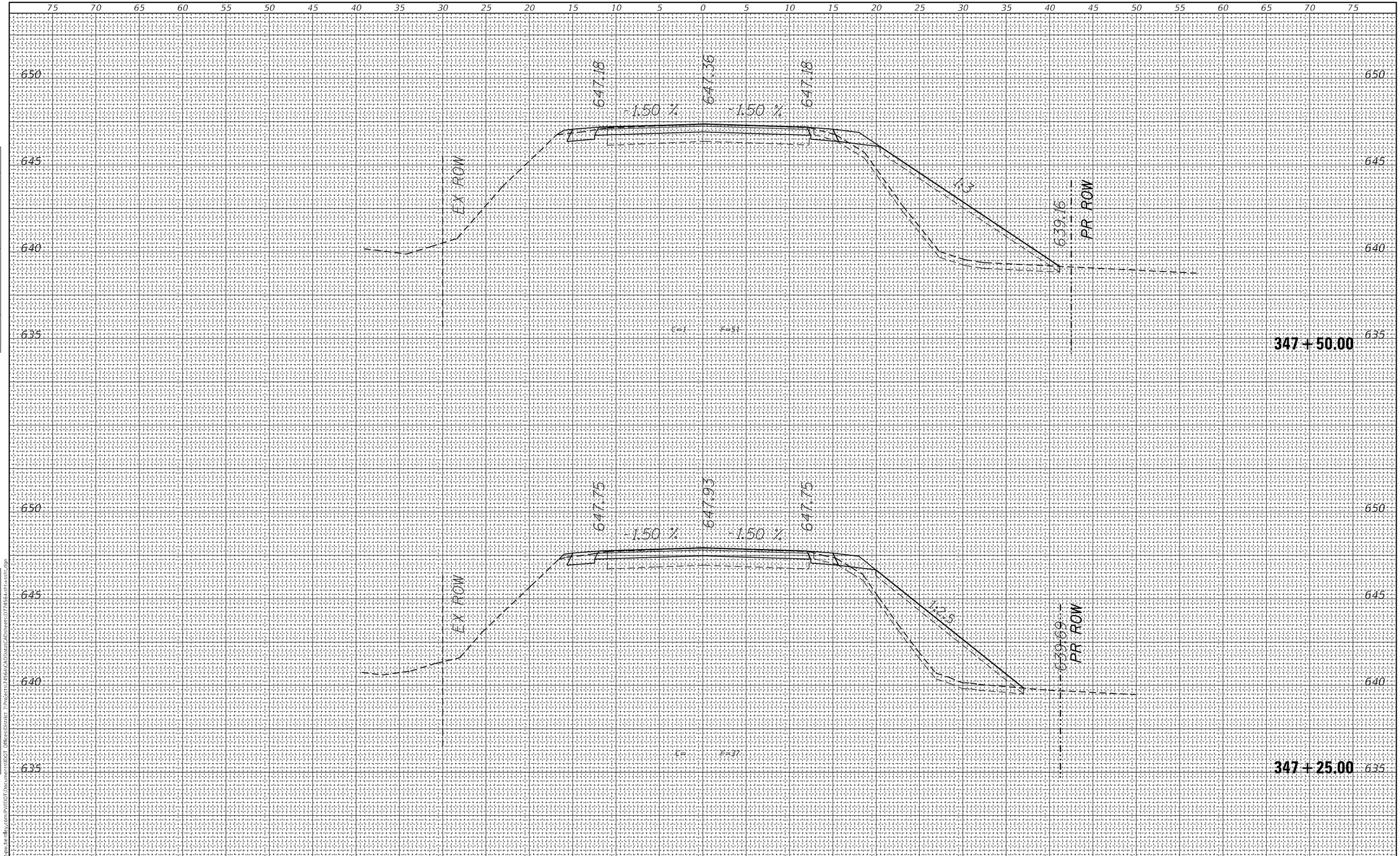
CROSS SECTIONS

SCALE: | SHEET OF SHEETS | STA. 346+75.00 TO STA. 347+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	52

CONTRACT NO. 74564

ILLINOIS | FED. AID PROJECT



FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

NOTE BOOK NO.

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

NOTE BOOK NO.

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USER NAME = jessica.hille	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 2/14/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

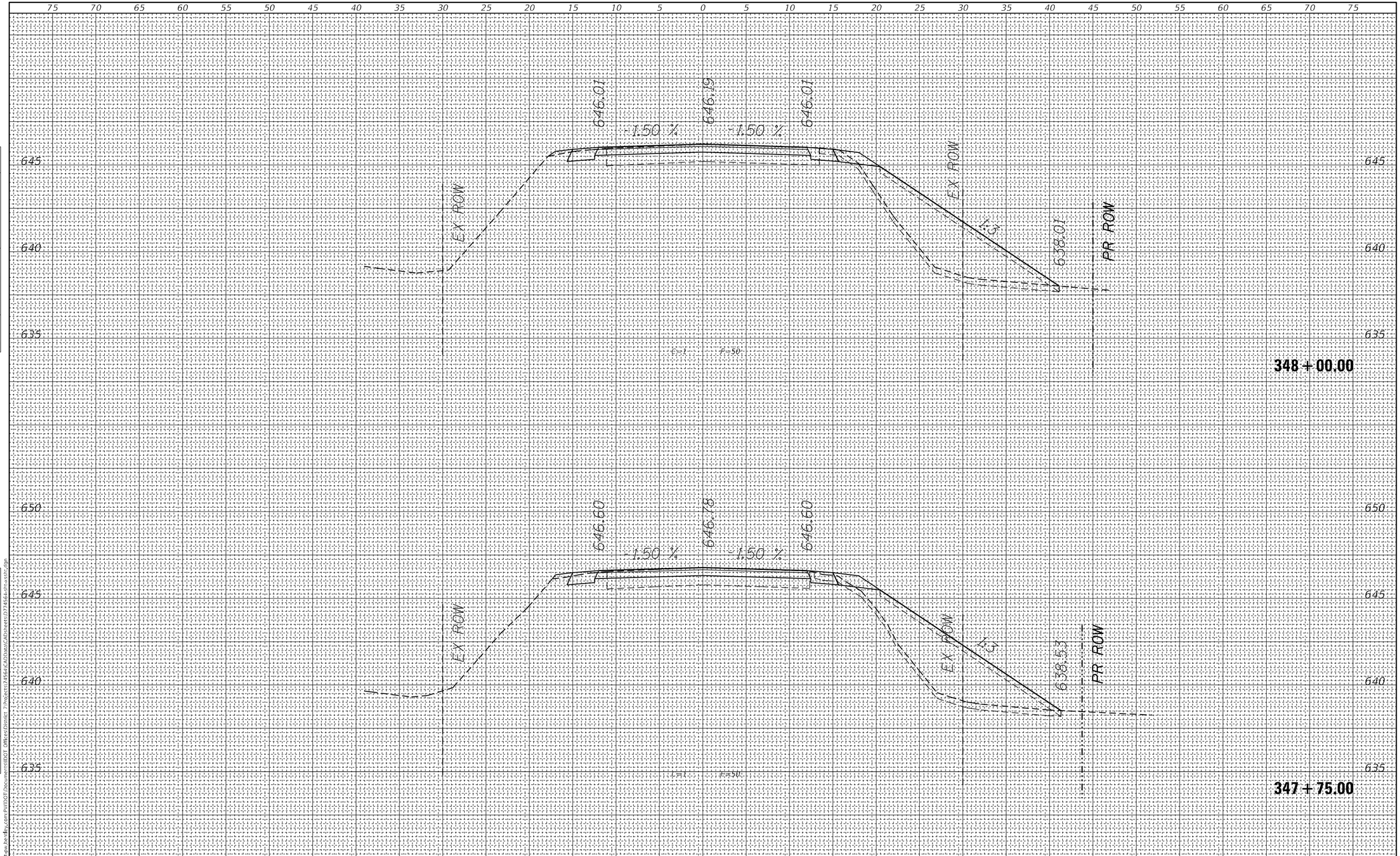
CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 347+25.00 TO STA. 347+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	53

CONTRACT NO. 74564

ILLINOIS FED. AID PROJECT



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

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

MODEL: Default
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	DRAWN -	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 2/14/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

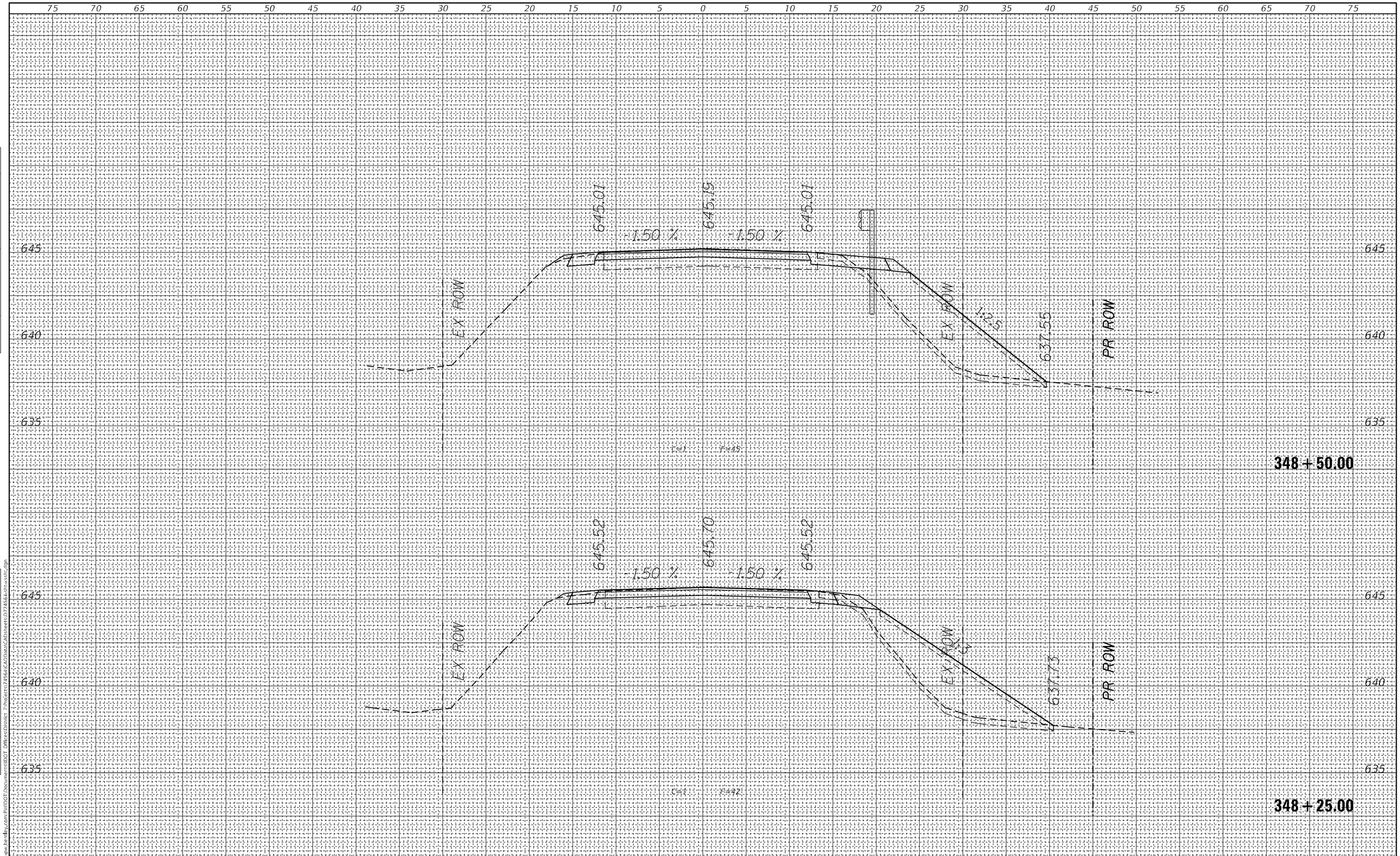
CROSS SECTIONS

SCALE: | SHEET OF SHEETS | STA. 347+75.00 TO STA. 348+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	54

CONTRACT NO. 74564

ILLINOIS | FED. AID PROJECT



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

ORIGINAL SURVEY	BY	DATE
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TEMPLATE		
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NOTE BOOK NO.		

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USER NAME = jessica.hille	DESIGNED -	REVISED -	
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PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 2/14/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

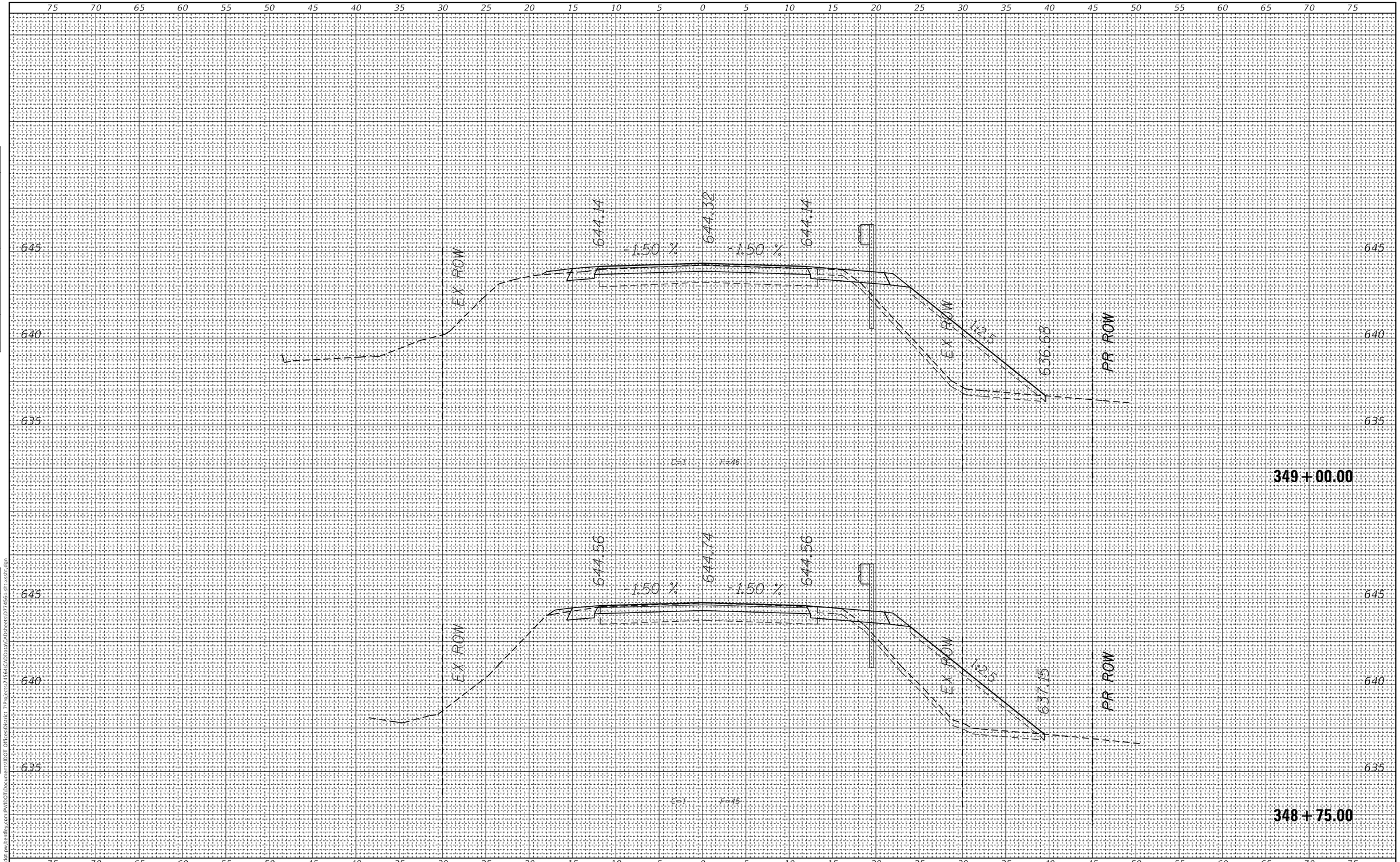
CROSS SECTIONS

SCALE: | SHEET OF SHEETS | STA. 348+25.00 TO STA. 348+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	55

CONTRACT NO. 74564

ILLINOIS | FED. AID PROJECT



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

ORIGINAL SURVEY	BY	DATE
SURVEYED		
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NOTE BOOK NO.		

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	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/14/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

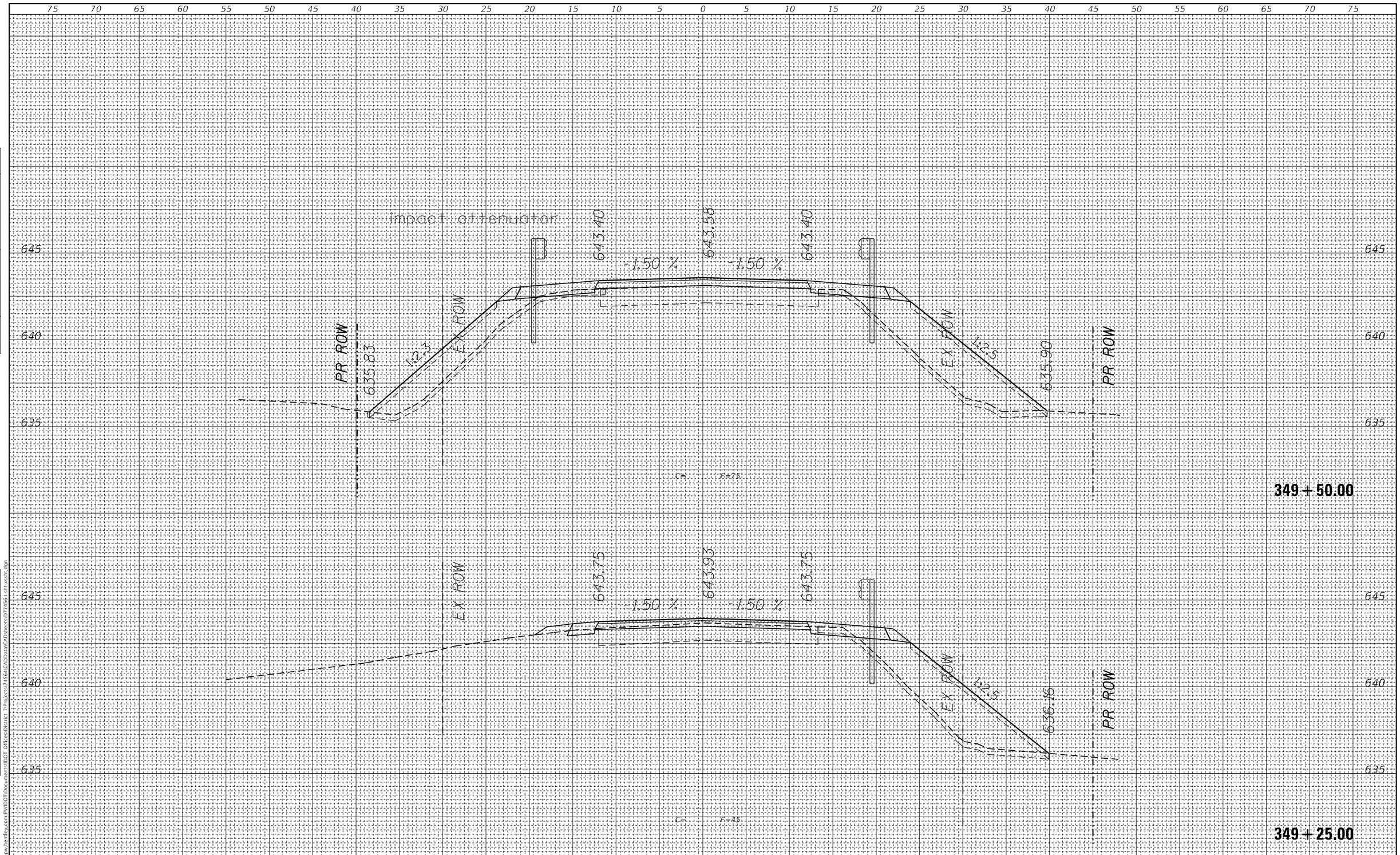
CROSS SECTIONS

SCALE: | SHEET OF SHEETS | STA. 348+75.00 TO STA. 349+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	56

CONTRACT NO. 74564

ILLINOIS | FED. AID PROJECT



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PLOT DATE = 2/14/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: | SHEET OF SHEETS | STA. 349+25.00 TO STA. 349+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	57

CONTRACT NO. 74564

ILLINOIS | FED. AID PROJECT

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SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK		
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PLOTTED		
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AREAS		
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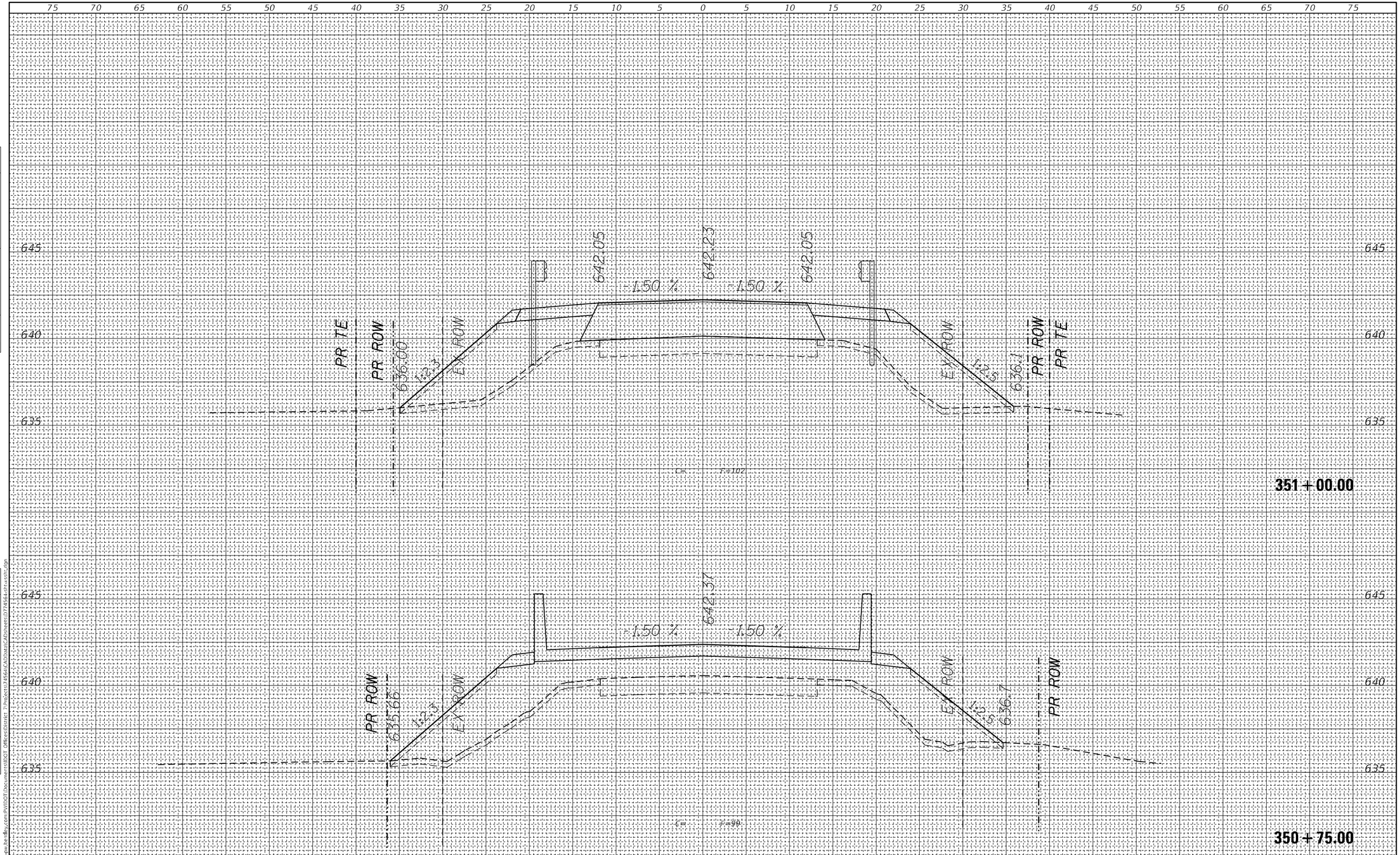
NOTE BOOK		
NO.		



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PLOT DATE = 2/14/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: | SHEET OF SHEETS | STA. 350+75.00 TO STA. 351+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	58

CONTRACT NO. 74564

ILLINOIS | FED. AID PROJECT

MODEL: Default
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	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

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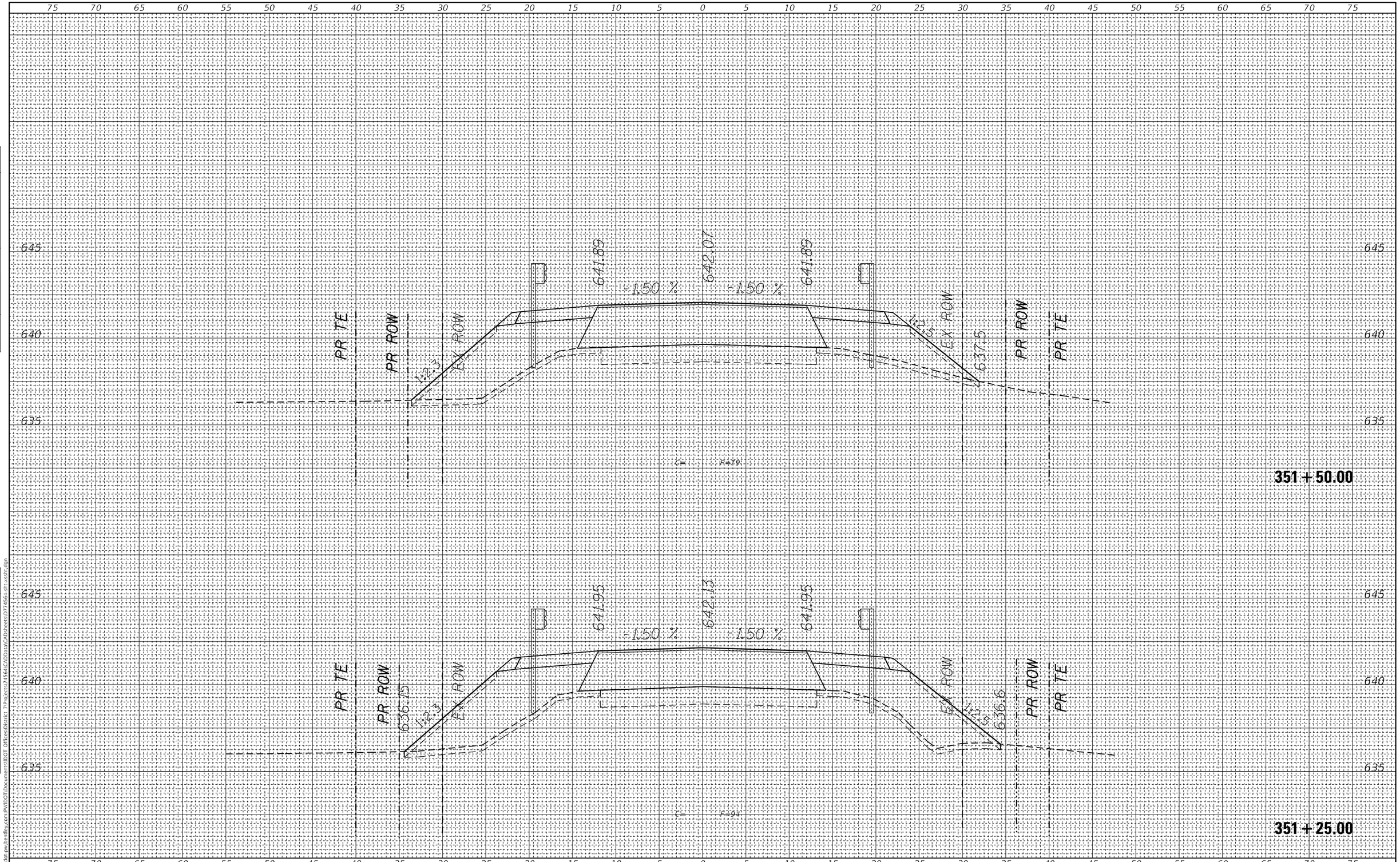
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		



FINAL SURVEY		BY	DATE
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NOTE BOOK	TEMPLATE		
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ORIGINAL SURVEY		BY	DATE
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NOTE BOOK	TEMPLATE		
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PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 2/14/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

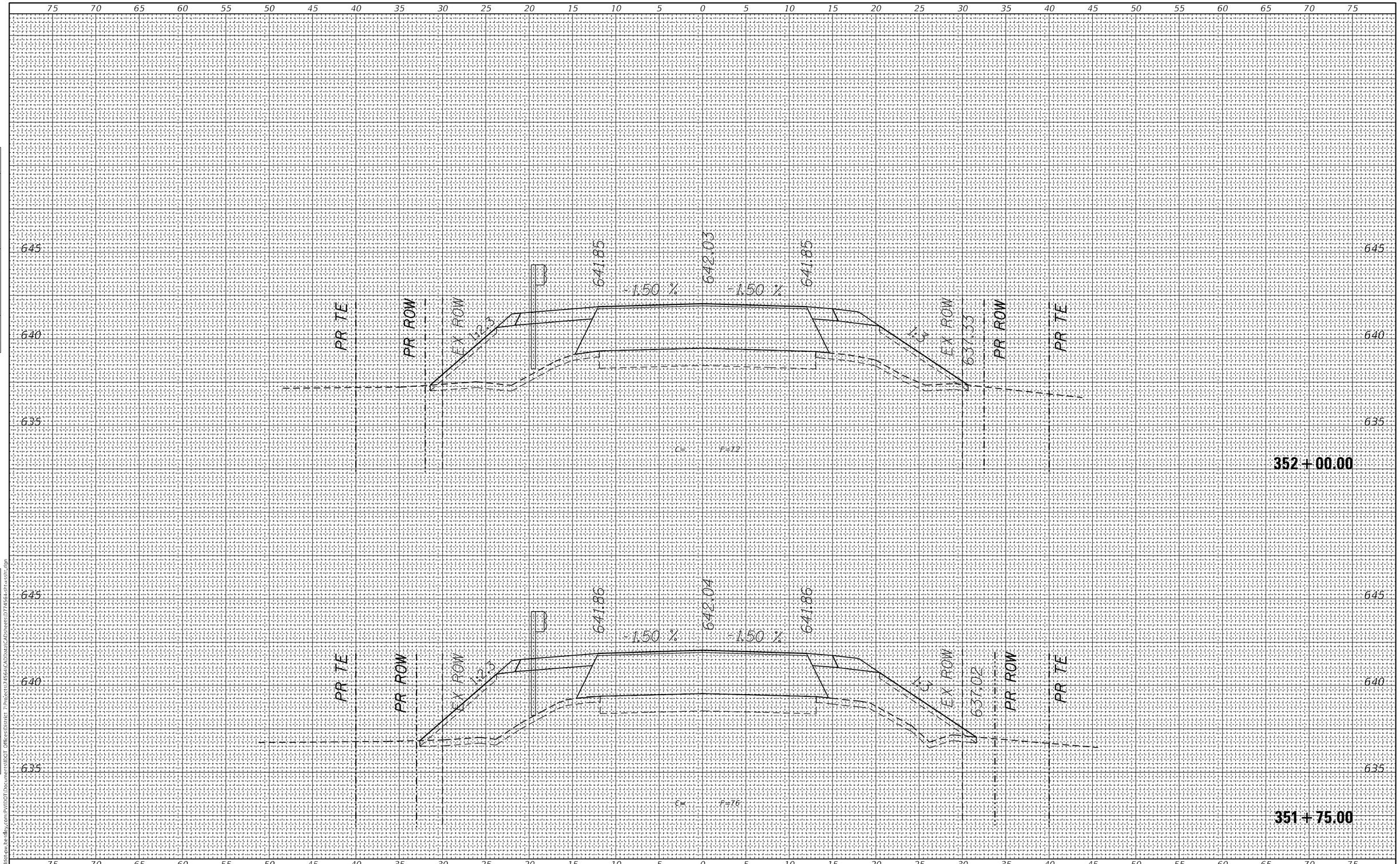
CROSS SECTIONS

SCALE: | SHEET OF SHEETS | STA. 351+25.00 TO STA. 351+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	59

CONTRACT NO. 74564

ILLINOIS | FED. AID PROJECT



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

ORIGINAL SURVEY	BY	DATE
SURVEYED		
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TEMPLATE		
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PLOT DATE = 2/14/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

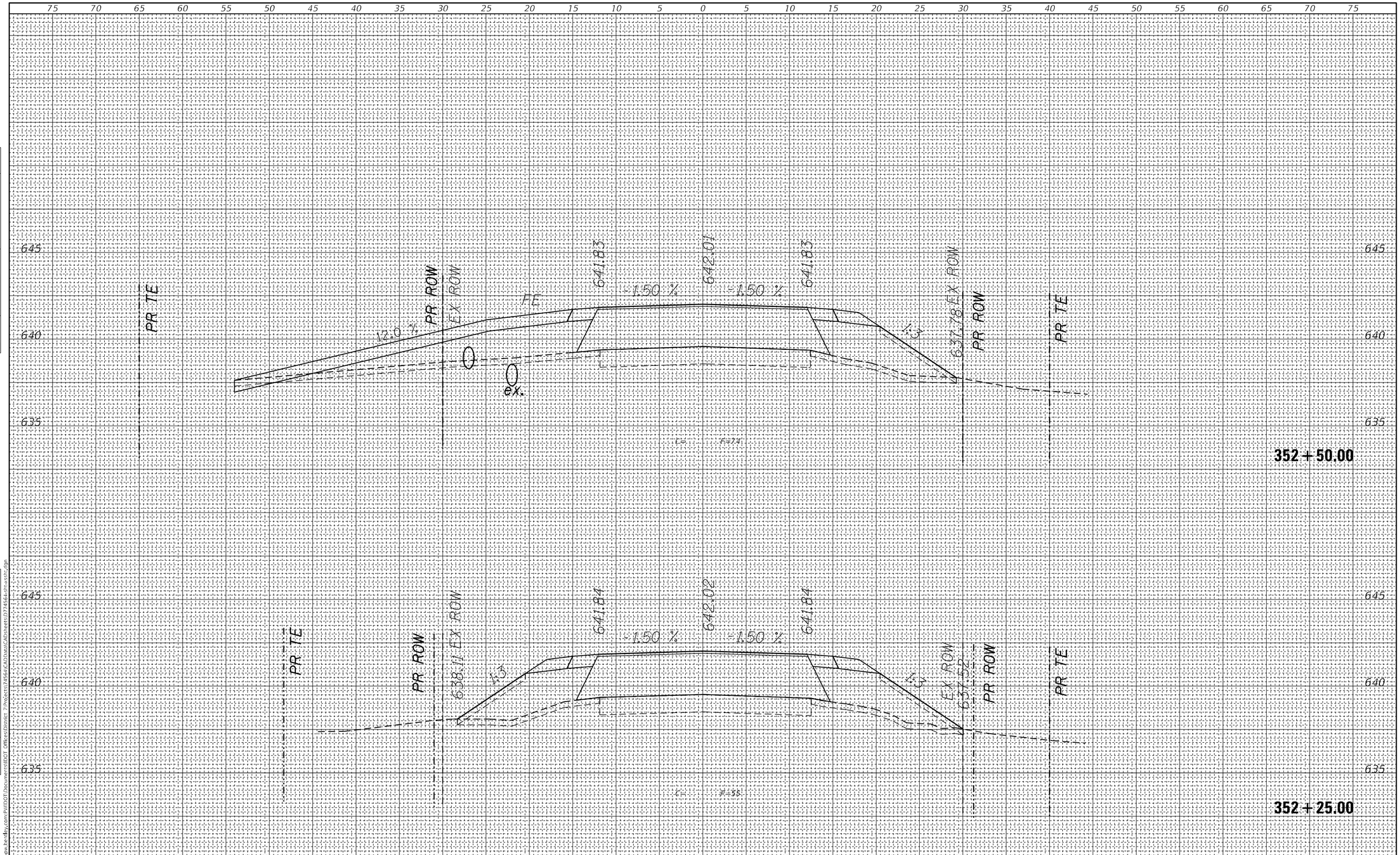
CROSS SECTIONS

SCALE: | SHEET OF SHEETS | STA. 351+75.00 TO STA. 352+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	60

CONTRACT NO. 74564

ILLINOIS | FED. AID PROJECT



FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
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NOTE BOOK NO.		

ORIGINAL SURVEY	BY	DATE
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PLOT DATE = 2/14/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

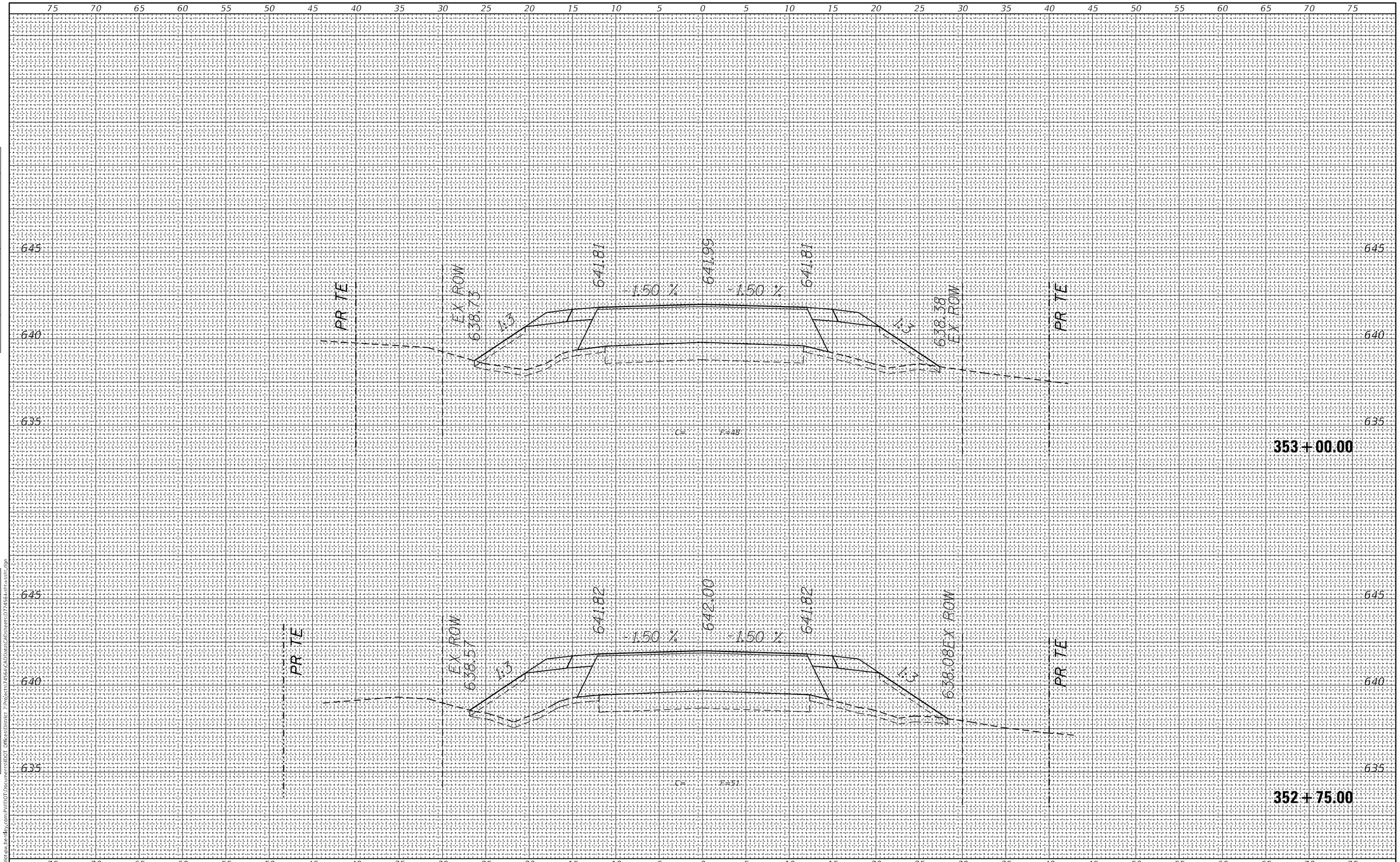
CROSS SECTIONS

SCALE: | SHEET OF SHEETS | STA. 352+25.00 TO STA. 352+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	61

CONTRACT NO. 74564

ILLINOIS | FED. AID PROJECT



FINAL SURVEY	BY	DATE
SURVEYED		
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AREAS		
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PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 2/14/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

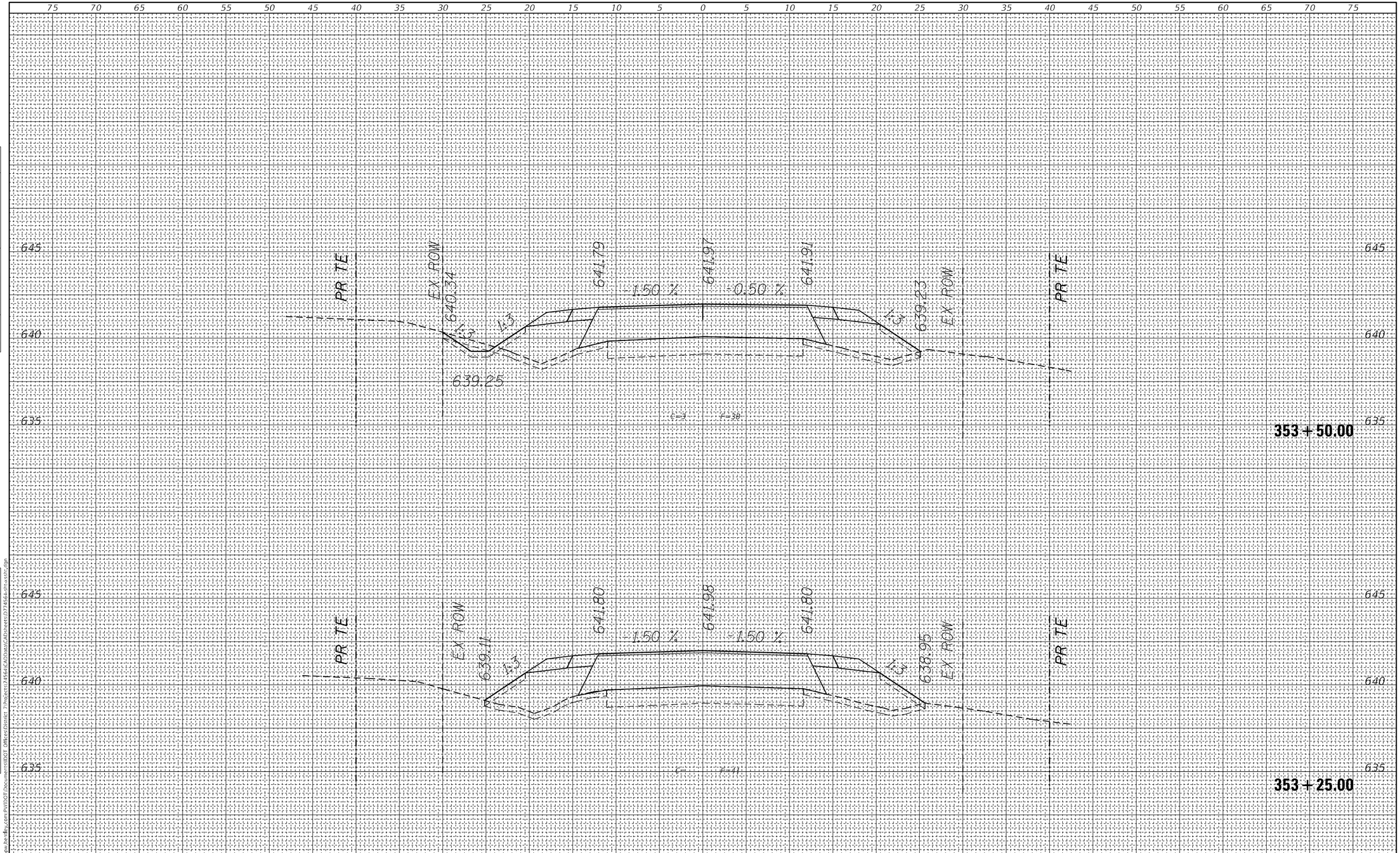
CROSS SECTIONS

SCALE: | SHEET OF SHEETS | STA. 352+75.00 TO STA. 353+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	62

CONTRACT NO. 74564

ILLINOIS | FED. AID PROJECT



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PLOT DATE = 2/14/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 353+25.00 TO STA. 353+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	63

CONTRACT NO. 74564

ILLINOIS FED. AID PROJECT

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

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

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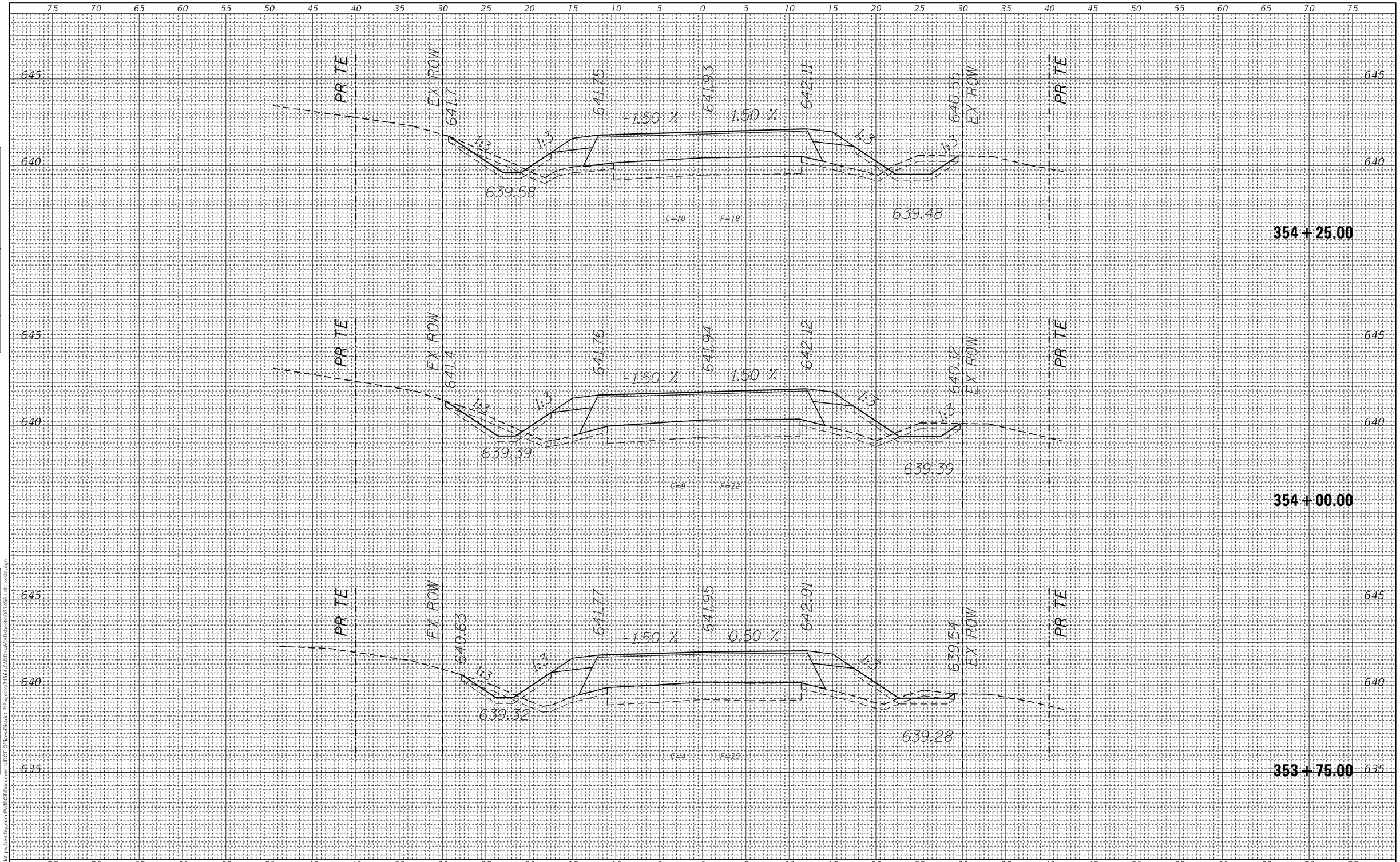

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PLOT DATE = 2/14/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 353+75.00 TO STA. 354+25.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	64
		CONTRACT NO. 74564		
	ILLINOIS	FED. AID PROJECT		

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

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

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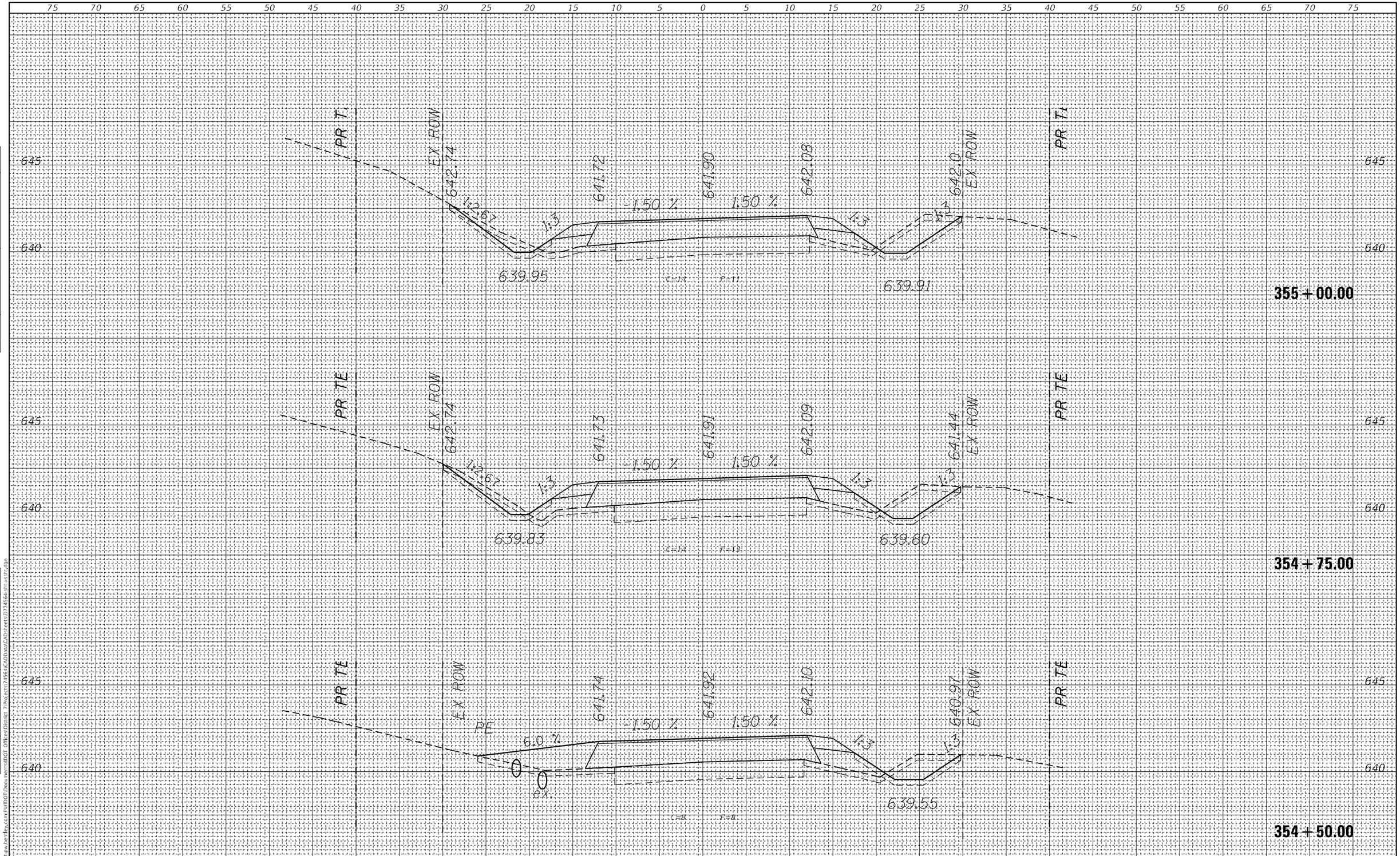

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PLOT DATE = 2/14/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: | SHEET OF SHEETS | STA. 354+50.00 TO STA. 355+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	65

CONTRACT NO. 74564

ILLINOIS | FED. AID PROJECT

FINAL SURVEY	BY	DATE
SURVEYED		
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TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK		
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NOTE BOOK		
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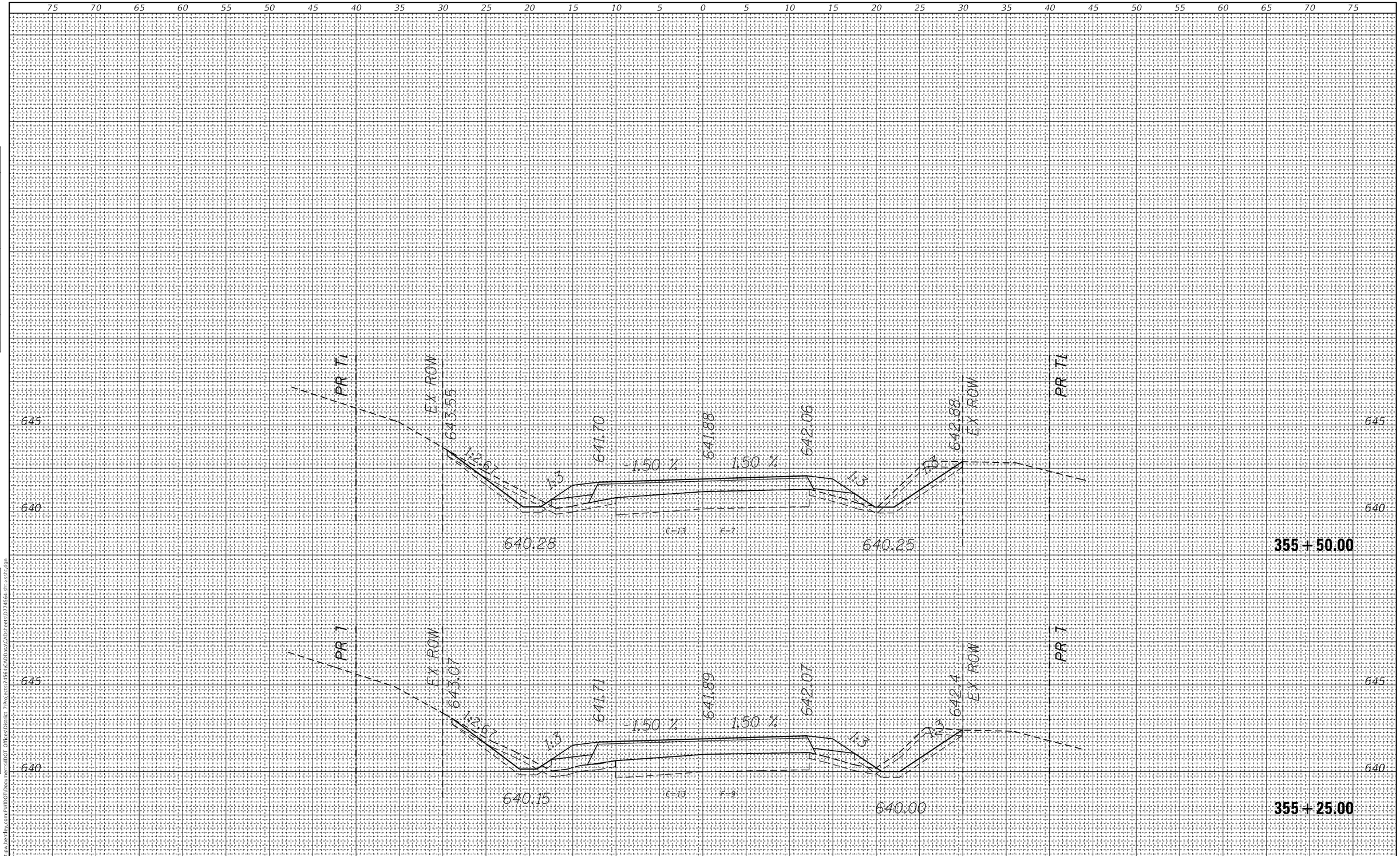

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NOTE BOOK NO.		

ORIGINAL SURVEY	BY	DATE
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TEMPLATE		
AREAS		
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NOTE BOOK NO.		

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PLOT DATE = 2/14/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

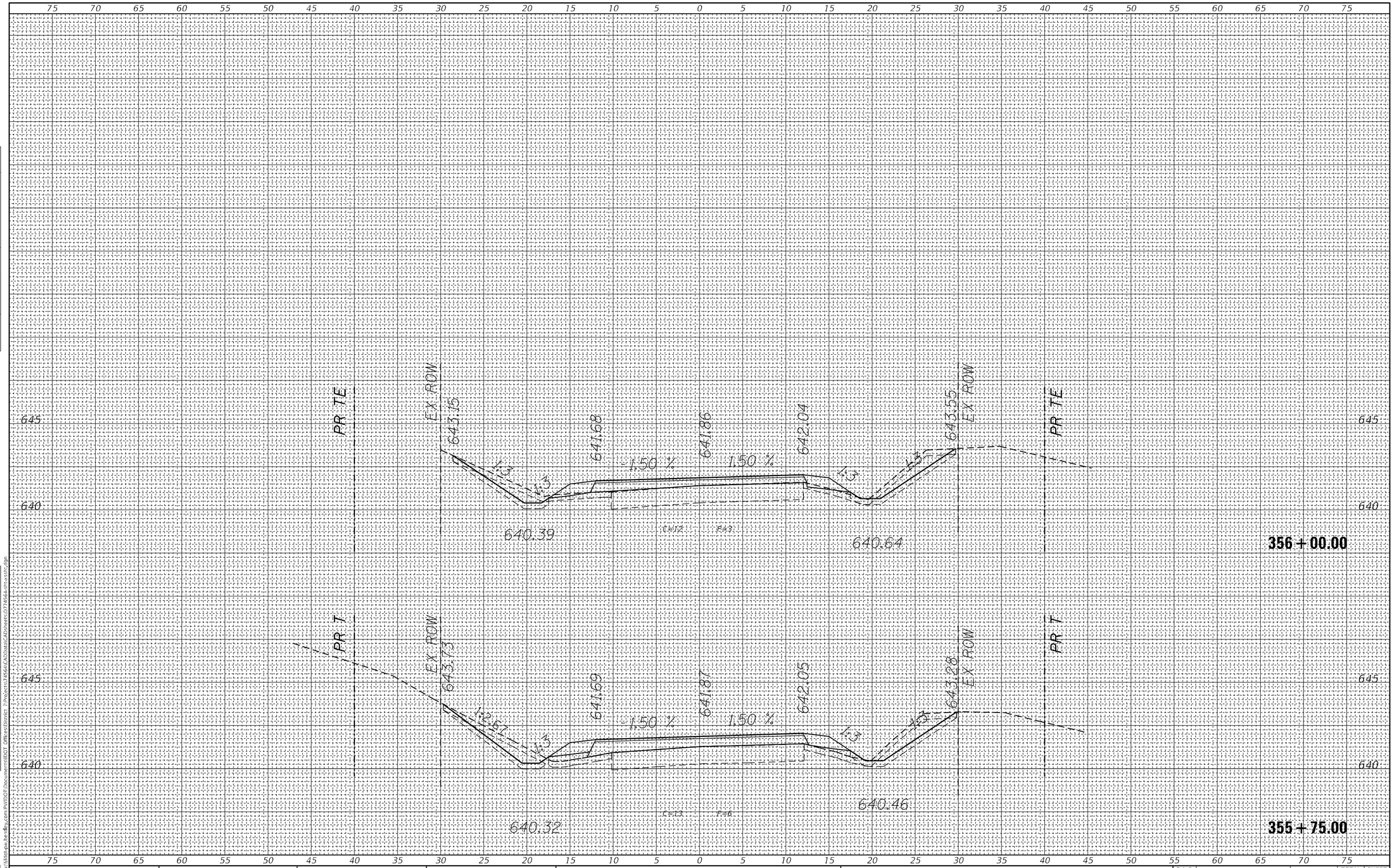
CROSS SECTIONS

SCALE: | SHEET OF SHEETS | STA. 355+25.00 TO STA. 355+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	66

CONTRACT NO. 74564

ILLINOIS | FED. AID PROJECT



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PLOTTED		
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PLOT DATE = 2/14/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

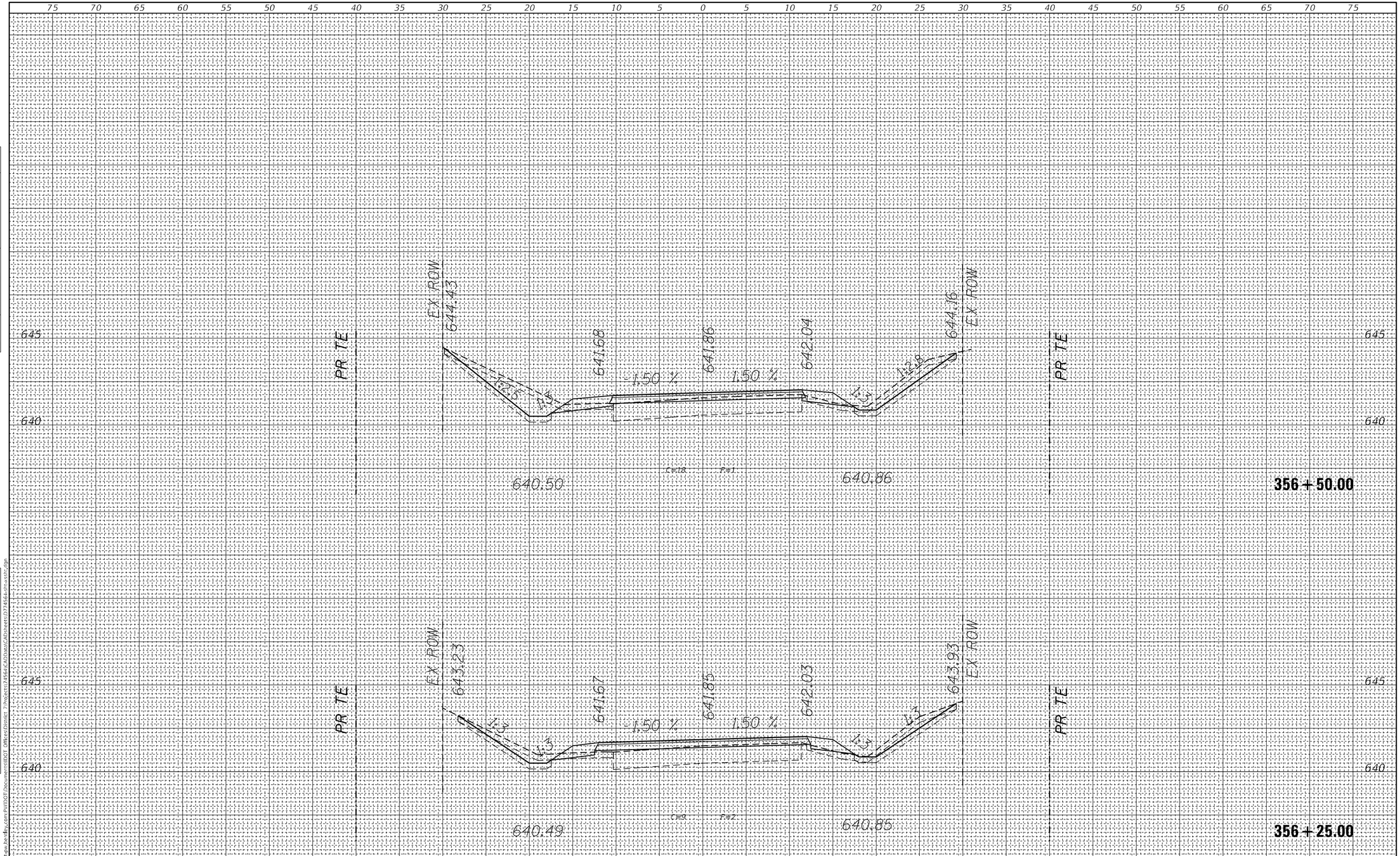
CROSS SECTIONS

SCALE: | SHEET OF SHEETS | STA. 355+75.00 TO STA. 356+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	67

CONTRACT NO. 74564

ILLINOIS | FED. AID PROJECT



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SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK NO.		

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

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USER NAME = Jessica.ville	DESIGNED -	REVISED -	
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PLOT DATE = 2/14/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

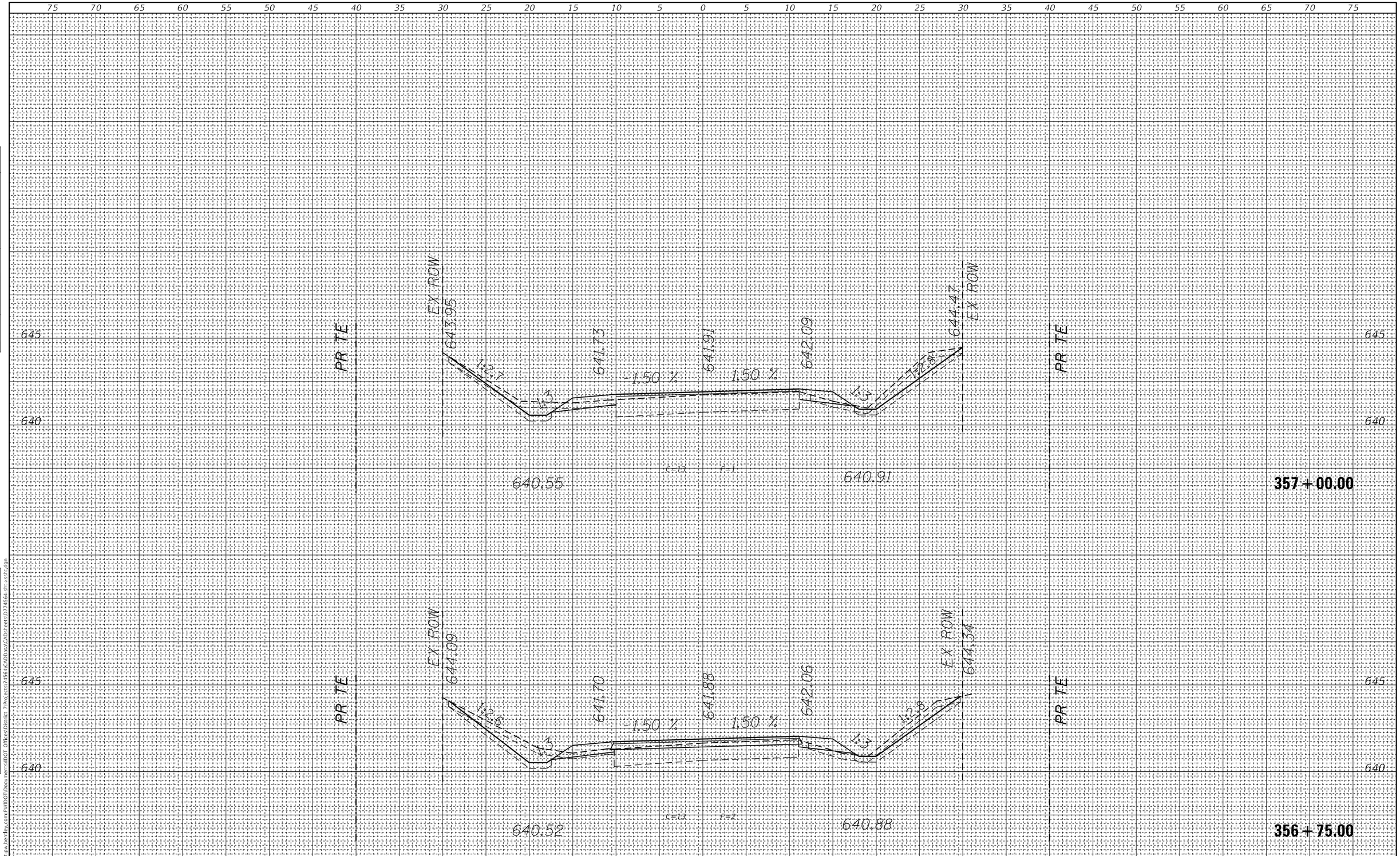
CROSS SECTIONS

SCALE: | SHEET OF SHEETS | STA. 356+25.00 TO STA. 356+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	68

CONTRACT NO. 74564

ILLINOIS | FED. AID PROJECT



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

ORIGINAL SURVEY	BY	DATE
SURVEYED		
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NOTE BOOK		
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USER NAME = Jessicaville	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 2/14/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

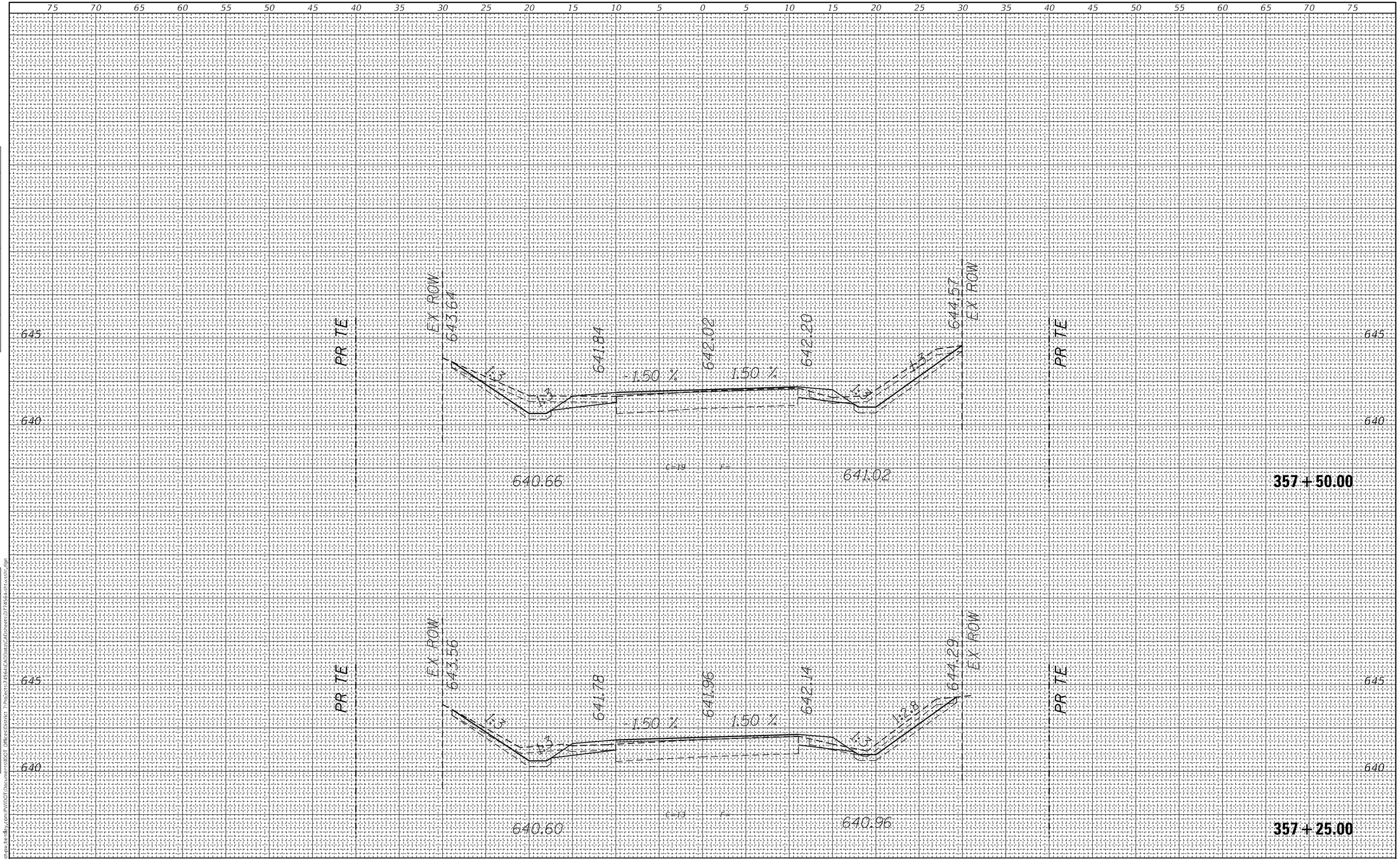
CROSS SECTIONS

SCALE: | SHEET OF SHEETS | STA. 356+75.00 TO STA. 357+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	69

CONTRACT NO. 74564

ILLINOIS | FED. AID PROJECT



FINAL SURVEY	BY	DATE
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AREAS		
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NOTE BOOK NO.		

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	DRAWN -	REVISED -
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PLOT DATE = 2/14/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

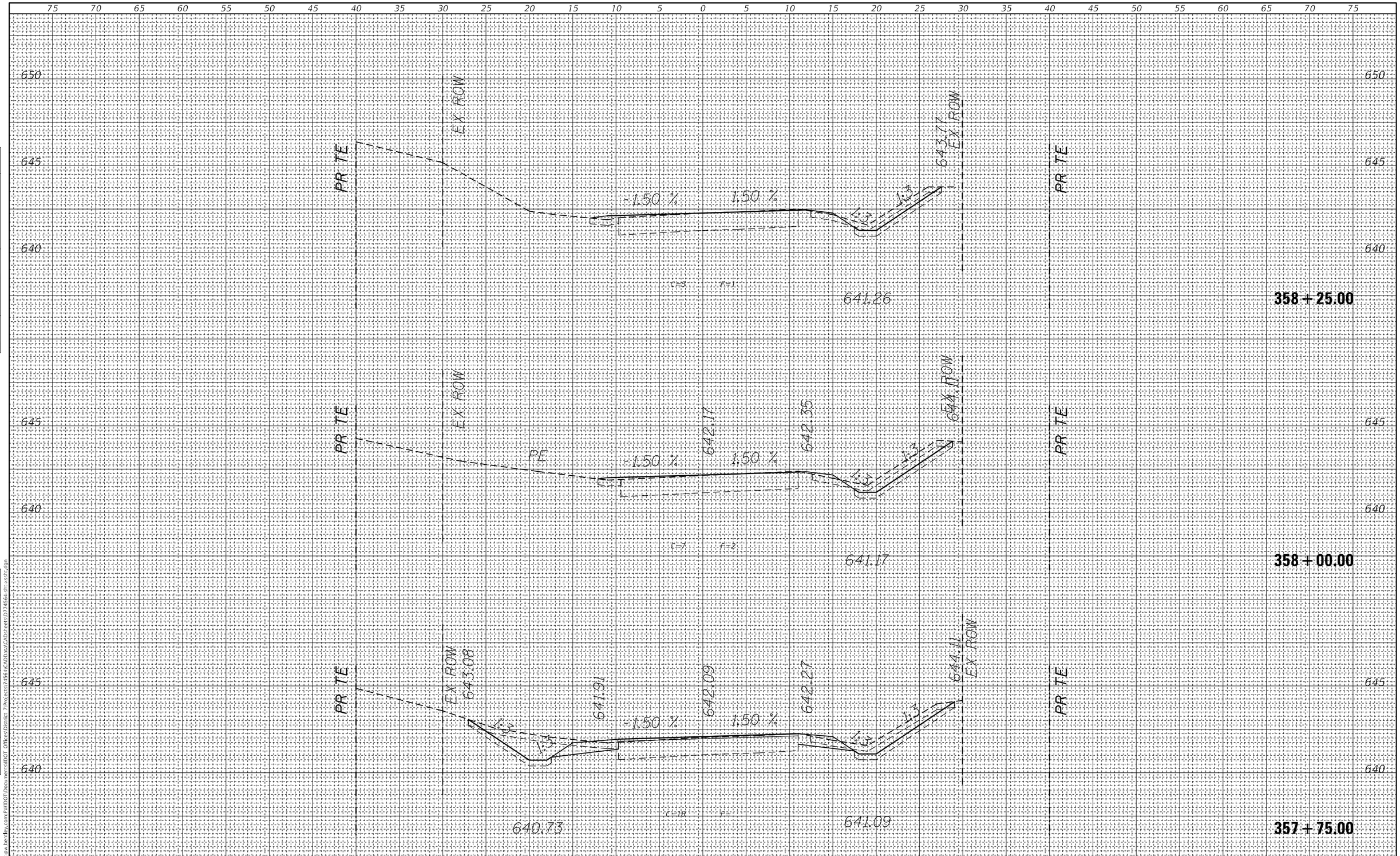
CROSS SECTIONS

SCALE: | SHEET OF SHEETS | STA. 357+25.00 TO STA. 357+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	70

CONTRACT NO. 74564

ILLINOIS | FED. AID PROJECT



USER NAME = jessica.hille	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/14/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: | SHEET OF SHEETS | STA. 357+75.00 TO STA. 358+25.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR)B-1	COLES	71	71

CONTRACT NO. 74564

ILLINOIS | FED. AID PROJECT

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

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

MODEL: Default
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 7\Projects\74564\CAD\Data\CADsheets\D774564-sht-xsth.dgn