

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	139B-1	SANGAMON	39	1
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

73 jobs
-42 sheets

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**PROPOSED
HIGHWAY PLANS**

F.A.P. ROUTE 753 (IL RTE 104)
SECTION 139B-1
PROJECT: F-0753(030)
BRIDGE REPLACEMENT
SANGAMON COUNTY
C - 96-503-08

D-96-558-02



INDEX OF SHEETS

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ROADWAY CLASSIFICATION

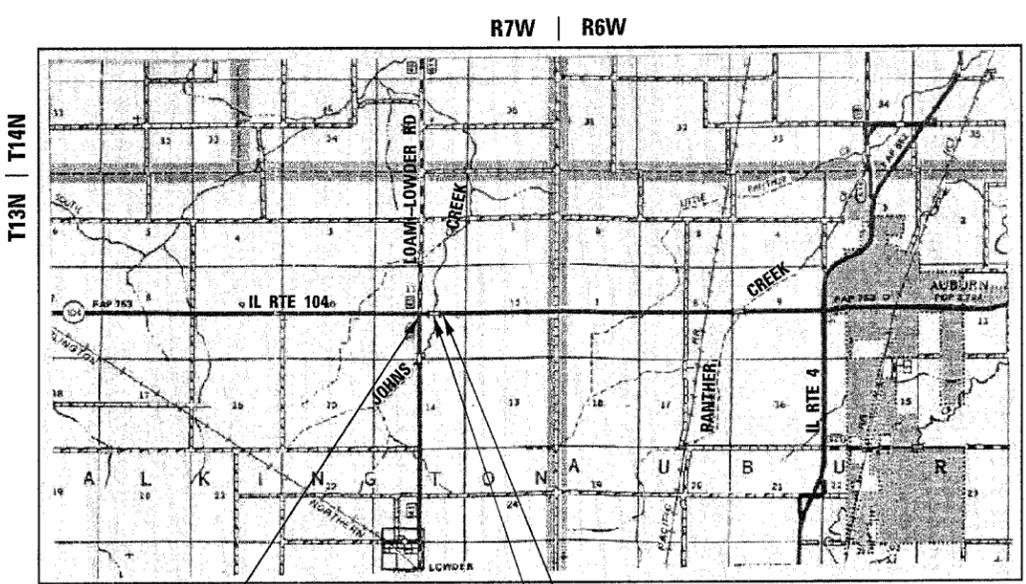
F.A.P. 753 (IL 104) - MINOR ARTERIAL
ADT 2700 (2001) - MU 7%
CRS 9.0 - RESURFACED 2002



SCALES
 PLAN 1" = 50'
 PROFILE HORIZ. 1" = 50'
 PROFILE VERT. 1" = 5'
 CROSS SECTIONS 1" = 10'
 1" = 5'

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.

FOR UNDERGROUND UTILITY LOCATIONS CALL J.U.L.T.E. TOLL FREE 1-800-892-0123 TALKINGTON TOWNSHIP



PROJECT BEGINS
STA. 227 + 50.00

PROJECT ENDS
STA. 235 + 50.00

SN 084-2507
STA. 231 + 81.00
PCBC TRIPLE
10' SPAN x 11' RISE



LOCATION MAP
GROSS AND NET LENGTH OF PROJECT = 0.15 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED December 13, 2006
Chris M. Reed
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

February 2, 2007
Eric E. Hamm
 SENIOR ENGINEER OF DESIGN AND ENVIRONMENT

February 2, 2007
Milton R. Sees, P.E.
 DIRECTOR, DIVISION OF HIGHWAYS

PROJECT ENGINEER: SAL MADONIA (217) 782-4761
SQUAD LEADER: MARCUS BRUCE (217) 785-5336

CONTRACT NO. 72689

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	139B-1	SANGAMON	39	2
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

GENERAL NOTES

- WHERE SECTION OR SUB-SECTION MARKERS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED AGENT OR LAND SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.26 OF THE STANDARD SPECIFICATIONS. THE J.U.L.I.E. NUMBER IS 800-892-0123.

THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES, AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON THE BEST INFORMATION AVAILABLE, BUT ARE NOT GUARANTEED. ALL UTILITY LOCATIONS SHOWN ARE SUPPLIED BY THE UTILITY COMPANIES, IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.
- ADJUSTMENT OF WATER METERS, TELEPHONE, GAS, ELECTRICAL, AND CABLE T.V. FACILITIES SHALL BE DONE BY THE RESPECTIVE OWNERS. RELOCATION OF ALL UTILITIES SHALL ALSO BE DONE BY THE RESPECTIVE OWNERS.
- ALL STATION REFERENCES ARE TO THE ROADWAY CENTERLINE. THE COORDINATE SYSTEM USED FOR THE HORIZONTAL CONTROL IS LOCAL DATUM FOR THIS PROJECT.
- ALL ELEVATIONS SHOWN ON THE PLANS ARE BASED ON U.S.G.S. MEAN SEA LEVEL DATUM.
- ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION, AS INDICATED BY THE SUB-NUMBER LISTED IN THE INDEX OF SHEETS, OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING THE PLAN QUANTITIES:
 - FERTILIZER (SEED) 270 lb/acre (1-1-1)
 - NITROGEN 90 lb/acre
 - PHOSPHORUS 90 lb/acre
 - POTASSIUM 90 lb/acre
 - MULCH METHOD 2 2 tons/acre
 - AGRICULTURAL GROUND LIMESTONE 2 tons/acre
- EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION SHALL BE REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER. THE CONTRACTOR WILL REPLACE THE SIGNS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REMOVAL SCHEDULE SHALL BE REMOVED. THE CONTRACTOR WILL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS. PROPERTY OWNERS SHALL BE NOTIFIED BY THE CONTRACTOR PRIOR TO REMOVING TREES AND SHRUBS ON PROPERTY THAT HAS BEEN ACQUIRED BY THE STATE. THE PROPERTY OWNERS SHALL BE ALLOWED TIME TO TRANSPLANT TREES AND SHRUBS TO THEIR PROPERTY. OTHERWISE ALL TREES AND SHRUBS INDICATED ON THE PLANS FOR REMOVAL SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.

10. MIXTURE REQUIREMENTS

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE(S):	BINDER COURSE	SURFACE COURSE	BIT BASE COURSE WID	BIT SHOULDERS
AC/PG:	PG 64-22	PG 64-22	PG 58-22	PG 58-22
RAP % (MAX.):	15%	15%	15%	15%
DESIGN AIR VOIDS:	4% @ NDESIGN = 50	4% @ NDESIGN = 50	2% @ NDESIGN = 50	2% @ NDESIGN = 30
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 19.0	IL 9.5 OR 12.5	IL 19.0	BAM
FRICTION AGGREGATE:	N/A	MIX C	N/A	N/A

11. THE FOLLOWING DENSITIES HAVE BEEN USED IN CALCULATING THE PLAN QUANTITIES:

- BITUMINOUS PAVEMENT (112 lb/tyd² x in)
- GRANULAR MATERIALS (2.05 tons/tyd³)
- BITUMINOUS MATERIAL (PRIME COAT) (0.0038 tons/gal)

12. CONTRACTOR TO NOTIFY THE SANGAMON COUNTY ENGINEER PRIOR TO OCTOBER 1. TO COORDINATE DELIVERY OF COUNTY'S STOCK PILE ROCK WITH TRAFFIC CONTROL FOR STAGE CONSTRUCTION: MR. TIMOTHY ZARN @ 217-535-3070.

13. THE FOLLOWING PROJECT COMMITMENTS HAVE BEEN MADE DURING LAND ACQUISITION:
• NO COMMITMENTS HAVE BEEN MADE DURING LAND ACQUISITIONS.

HIGHWAY STANDARDS

000001-04	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-01	AREAS OF REINFORCEMENT BARS
280001-03	TEMPORARY EROSION CONTROL SYSTEMS
542401	METAL END SECTIONS FOR PIPE CULVERTS
630001-07	STEEL PLATE BEAM GUARDRAIL
630101-07	GUARDRAIL MOUNTED ON EXISTING CULVERTS
630301-04	SHOULDER WIDENING FOR TYPE 1, (SPECIAL) GUARDRAIL TERMINALS
666001	RIGHT-OF-WAY MARKERS
701001-01	OFF-ROAD OPERATION 2L, 2W, 4.5 m (15') MIN. AWAY FOR SPEEDS > 45 MPH
701011-01	OFF-ROAD MOVING OPERATIONS 2L, 2W, DAY ONLY FOR SPEEDS > 45 MPH
701201-02	LANE CLOSURE 2L, 2W, DAY ONLY ON-ROAD TO 600 mm (24") OFF-RD FOR SPEEDS > 45 MPH
701301-02	LANE CLOSURE 2L, 2W, SHORT TIME OPERATIONS
701306-01	LANE CLOSURE 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY FOR SPEEDS > 45 MPH
701311-02	LANE CLOSURE 2L, 2W, MOVING OPERATIONS - DAY ONLY
701321-08	LANE CLOSURE 2L, 2W, BRIDGE REPAIR WITH BARRIER
701326-02	LANE CLOSURE 2L, 2W, PAVEMENT WIDENING FOR SPEEDS > 45 MPH
702001-06	TRAFFIC CONTROL DEVICES
704001-03	TEMPORARY CONCRETE BARRIER
780001-01	TYPICAL PAVEMENT MARKINGS

DISTRICT SIX	
EXAMINED	December 12, 2006
OPERATIONS ENGINEER	
EXAMINED	Dec 13, 2006
PROGRAM IMPLEMENTATION ENGINEER	
EXAMINED	December 13, 2006
PROGRAM DEVELOPMENT ENGINEER	

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**GENERAL NOTES AND
HIGHWAY STANDARDS**

DRAWN BY MLO
CHECKED BY SJK
DATE 1/2004

SANGAMON COUNTY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	139B-1	SANGAMON	39	3
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

LOCATION OF WORK
 FAP 753 (IL RTE. 104)
 APPROXIMATELY 4.33 MILES WEST OF AUBURN
 SANGAMON COUNTY

80% FED./20% STATE

TOTAL QUANTITY
 STP TWO-LANE
 RURAL ROADWAY

X028-2A

PAYCODE	PAY ITEM DESCRIPTION	UNITS	TOTAL QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	28
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	94
20200100	EARTH EXCAVATION	CU YD	2390
20300100	CHANNEL EXCAVATION	CU YD	540
25000200	SEEDING, CLASS 2	ACRE	2.3
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	207
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	207
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	207
25100115	MULCH, METHOD 2	ACRE	2.3
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	230
28000300	TEMPORARY DITCH CHECKS	EACH	25
28000900	FENCE (EROSION CONTROL)	FOOT	80
28100107	STONE RIPRAP, CLASS A4	SQ YD	582
28200200	FILTER FABRIC	SQ YD	582
35101400	AGGREGATE BASE COURSE, TYPE B	TON	277
35600712	HOT-MIX ASPHALT BASE COURSE WIDENING, 9"	SQ YD	1426
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	50
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	2.0
40600300	AGGREGATE (PRIME COAT)	TON	8.0
40600895	CONSTRUCTING TEST STRIP	EACH	2
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	333
40600990	TEMPORARY RAMP	SQ YD	26

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUMMARY OF QUANTITIES
 FAP 753 (IL RTE. 104)
 SECTION 139B-1
 SANGAMON COUNTY

SCALE: VERT.
 DATE: HORIZ.

DRAWN BY
 CHECKED BY

F.A.3. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	139B-1	SANGAMON	39	3A
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SUMMARY OF QUANTITIES (CONTINUED)

LOCATION OF WORK
FAP 753 (IL RTE. 104)
APPROXIMATELY 4.33 MILES WEST OF AUBURN
SANGAMON COUNTY

80% FED./20% STATE

TOTAL QUANTITY
STP TWO-LANE
RURAL ROADWAY

X028-2A

PAYCODE	PAY ITEM DESCRIPTION	UNITS	TOTAL QUANTITY
40603080	HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50	TON	967
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	179
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8"	SQ YD	146
44000100	PAVEMENT REMOVAL	SQ YD	564
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	221
44000920	BITUMINOUS CONCRETE SHOULDER REMOVAL	SQ YD	949
48100500	AGGREGATE SHOULDERS, TYPE A 6"	SQ YD	937
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	60
48203100	HOT-MIX ASPHALT SHOULDERS	TON	148
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50105220	PIPE CULVERT REMOVAL	FOOT	22
50800105	REINFORCEMENT BARS	POUND	5990
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1710
51205200	TEMPORARY SHEET PILING	SQ FT	1114
51500100	NAME PLATES	EACH	1
54003000	CONCRETE BOX CULVERTS	CU YD	105.4
54200229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	37
54213459	END SECTIONS 24"	EACH	2
* 63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	500
* 63000025	STEEL PLATE BEAM GUARD RAIL, ATTACHED TO STRUCTURES	FOOT	75
* 63100167	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	EACH	4
* 63200310	GUARD RAIL REMOVAL	FOOT	379
63300115	REMOVAL AND REINSTALLATION OF EXISTING STEEL PLATE BEAM GUARD RAIL, SINGLE RAIL	FOOT	177

*SPECIALTY ITEMS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
FAP 753 (IL RTE. 104)
SECTION 139B-1
SANGAMON COUNTY

SCALE: VERT.
HORIZ.
DATE

DRAWN BY
CHECKED BY

F.A.31 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	139B-1	SANGAMON	39	3B

STA. 3B TO STA.3B
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

SUMMARY OF QUANTITIES (CONTINUED)

LOCATION OF WORK
FAP 753 (IL RTE. 104)
APPROXIMATELY 4.33 MILES WEST OF AUBURN
SANGAMON COUNTY

80% FED./20% STATE
TOTAL QUANTITY
STP TWO-LANE
RURAL ROADWAY
X028-2A

PAYCODE	PAY ITEM DESCRIPTION	UNITS	TOTAL QUANTITY
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	10
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3
67100100	MOBILIZATION	L SUM	1
70101205	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321 (SPECIAL)	EACH	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	LSUM	1
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	3
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	228
70300230	TEMPORARY PAVEMENT MARKING - LINE 5"	FOOT	4765
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1664
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1080
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1000
* 78001120	PAINT PAVEMENT MARKING - LINE 5"	FOOT	2565
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	11
* 78200410	GUARD RAIL MARKERS, TYPE A	EACH	12
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	11
X0324118	GRANULAR CULVERT BACKFILL	CU YD	248
X0325135	FIELD TILE 6"	FOOT	600
X7200201	WIDTH RESTRICTION SIGNING	L SUM	1
■ Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2

■ SFTY-3M
* SPECIALTY ITEMS

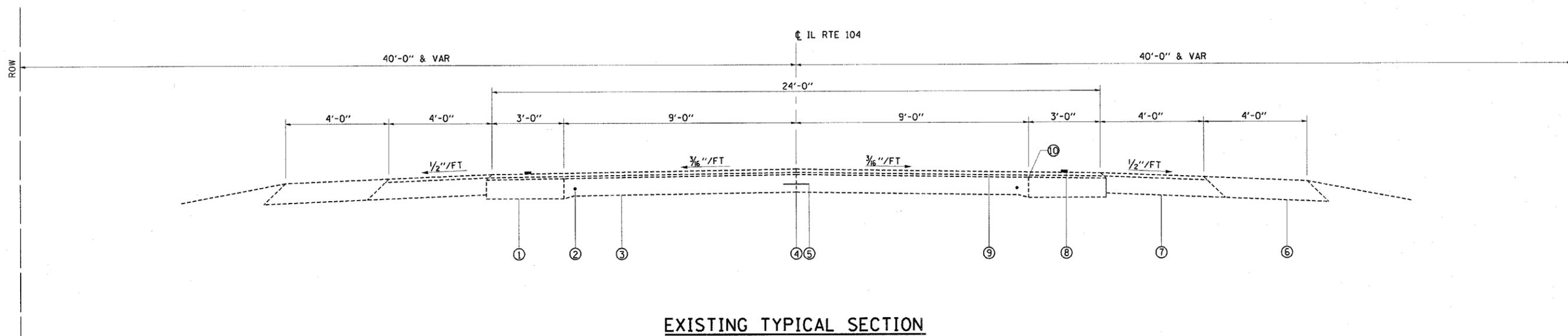
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
FAP 753 (IL RTE. 104)
SECTION 139B-1
SANGAMON COUNTY

SCALE: VERT.
DATE: HORIZ.

DRAWN BY
CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	139B-1	SANGAMON	39	4
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



EXISTING TYPICAL SECTION

STA. 224+00.00 - STA. 231+65.00
 STA. 231+97.00 - STA. 239+00.00

LEGEND

- ① BITUMINOUS CONCRETE BASE COURSE WIDENING, 9"
- ② 3/4"Ø SMOOTH BAR
- ③ PCC PAVEMENT 9-6-9
- ④ METAL JOINT
- ⑤ 1/2"Ø DEFORMED BAR
- ⑥ AGGREGATE SHOULDERS, TYPE A
- ⑦ BITUMINOUS SHOULDERS, 8"
- ⑧ PAINT PAVEMENT MARKING-LINE, 5"
- ⑨ BITUMINOUS CONCRETE SURFACE COURSE, 1 1/2"
- ⑩ STRIP REFLECTIVE CRACK CONTROL TREATMENT

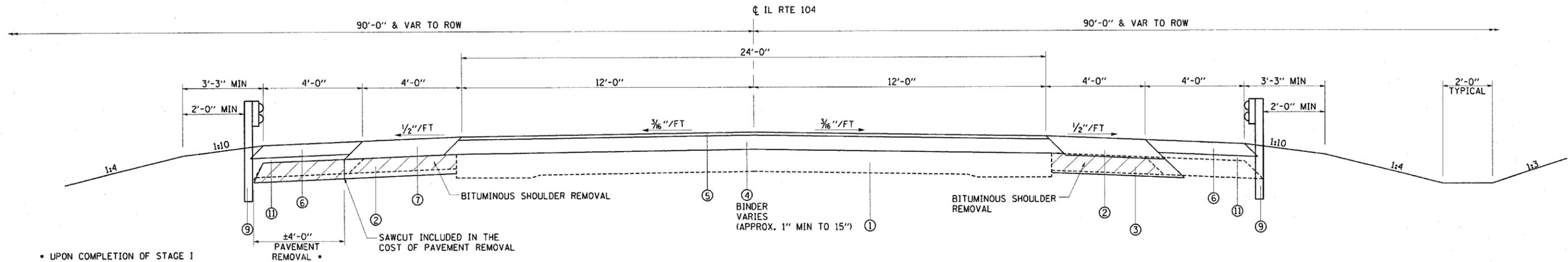
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL SECTION

DATE 3/03
 DRAWN BY ASB
 CHECKED BY TGC

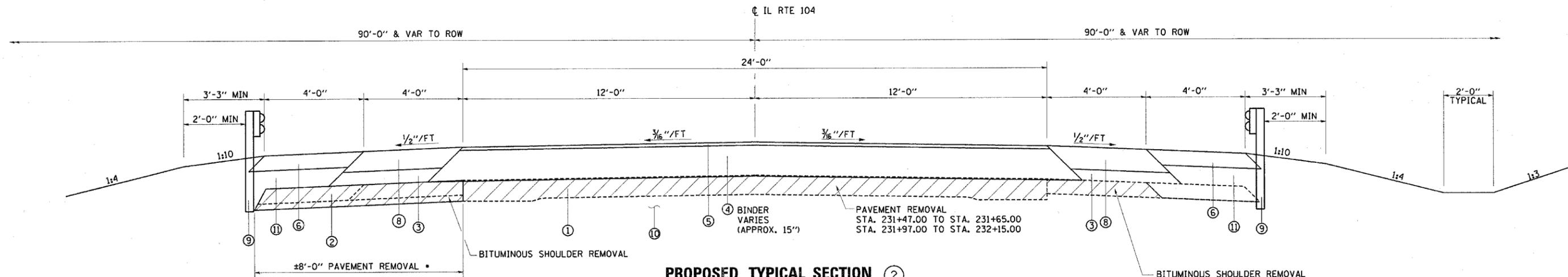
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	139B-1	SANGAMON	39	5
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



• UPON COMPLETION OF STAGE I CONSTRUCTION AND SHIFTING TRAFFIC TO STAGE II TRAFFIC, REMOVE HOT-MIX ASPHALT BASE COURSE WIDENING, 9". SEE STAGE CONSTRUCTION PLANS FOR DETAILS.

PROPOSED TYPICAL SECTION ①

STA. 227+50.00 - STA. 231+47.00
 STA. 232+15.00 - STA. 235+50.00



PROPOSED TYPICAL SECTION ②

STA. 231+47.00 - STA. 232+15.00

LEGEND

- ① EXISTING PAVEMENT
- ② HOT-MIX ASPHALT BASE COURSE WIDENING, 9"
- ③ AGGREGATE BASE COURSE, TYPE B (VARIABLE DEPTH)
- ④ HOT-MIX ASPHALT BINDER COURSE, IL 19, N50 (VARIABLE DEPTH)
- ⑤ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (1 1/2")
- ⑥ AGGREGATE SHOULDERS, TYPE A, 6"
- ⑦ HOT-MIX ASPHALT SHOULDERS (VARIABLE DEPTH)
- ⑧ HOT-MIX ASPHALT SHOULDERS, 8"
- ⑨ STEEL PLATE BEAM GUARDRAIL, TYPE A
- ⑩ GRANULAR CULVERT BACKFILL
- ⑪ EMBANKMENT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS

DATE 1/2004

DRAWN BY MLO
 CHECKED BY SJK

SANGAMON COUNTY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	139B-1	SANGAMON	39	6
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

TREE REMOVAL (6 TO 15 UNITS DIAMETER)

STATION	OFFSET	UNITS
231+23	35' LT	8
231+35	35' LT	8
231+44	35' LT	12
TOTAL		28

TREE REMOVAL (OVER 15 UNITS)

STATION	OFFSET	UNITS
231+55	40' LT	16
231+55	56' LT	36
232+16	26' RT	42
TOTAL		94

EARTH EXCAVATION

LOCATION	EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE * (CU YD)	EMBANKMENT (FILL) (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
STAGE I	1,185	890	660	230
STAGE II	1,205	905	685	220
TOTAL	2,390	1,795	1,345	450

*AN EARTH SHRINKAGE FACTOR OF 0.25 IS APPLIED

CHANNEL EXCAVATION

STATION TO	STATION	CU YD
9+10.00	10+85.00	540
TOTAL		540

TEMPORARY DITCH CHECKS

STATION	LT (EACH)	RIGHT (EACH)
229+14.00	1	
229+62.00	1	
230+16.00	1	
230+64.00	1	
231+12.00	1	
232+51.00	1	
232+87.00	1	
233+23.00	1	
233+59.00	1	
233+95.00	1	
234+31.00	1	
228+42.00		1
228+95.00		1
229+48.00		1
230+01.00		1
230+54.00		1
231+07.00		1
232+61.00		1
233+07.00		1
233+53.00		1
233+99.00		1
234+45.00		1
234+91.00		1
235+37.00		1
235+83.00		1
TOTAL	11	14
		25

SEEDING, FERTILIZERS AND MULCH

STATION	STATION	OFFSET	SEEDING, CLASS 2 (ACRE)	NITROGEN FERTILIZER NUTRIENT (POUNDS)	PHOSPHOROUS FERTILIZER NUTRIENT (POUNDS)	POTASSIUM FERTILIZER NUTRIENT (POUNDS)	MULCH, METHOD 2 (ACRES)	TEMPORARY EROSION CONTROL SEEDING (POUNDS)
225+80.00	237+20.00	LT	1.1	99	99	99	1.1	110
226+20.00	236+80.00	RT	1.2	108	108	108	1.2	120
TOTAL			2.3	207	207	207	2.3	230

FENCE (EROSION CONTROL)

STATION	LT (FOOT)	RIGHT (FOOT)
231+50.00	20	20
232+10.00	20	20
	40	40
TOTAL		80

AGGREGATE BASE COURSE, TYPE B

STATION TO	STATION	OFFSET	TON
227+50.00	235+50.00	RT	173
231+47.00	232+15.00	LT	28
TOTAL			201

FOR REMAINING QUANTITY SEE DRIVEWAY SCHEDULE

AGGREGATE SURFACE COURSE, TYPE B

STATION	OFFSET	TON
234+95.00	LT	25
235+33.00	LT	25
TOTAL		50

BITUMINOUS MATERIALS (PRIME COAT)

MATERIAL	TON
BINDER COURSE SUBTOTAL	1
SURFACE COURSE SUBTOTAL	1
TOTAL	2

AGGREGATE (PRIME COAT)

MATERIAL	TON
BINDER COURSE SUBTOTAL	4
SURFACE COURSE SUBTOTAL	4
TOTAL	8

BITUMINOUS SURFACE REMOVAL - BUTT JOINT

STATION TO	STATION	SQ YD
227+50.00	228+21.00	189
234+96.00	235+50.00	144
TOTAL		333

TEMPORARY RAMP

STATION TO	STATION	SQ YD
227+50.00	227+55.00	13
235+45.00	235+50.00	13
TOTAL		26

PAVEMENT REMOVAL

STATION TO	STATION	OFFSET	SQ YD
231+47.00	231+65.00	-	48
231+97.00	232+15.00	-	48
225+80.00	231+47.00	LT	252
231+47.00	231+65.00	LT	16
231+97.00	232+15.00	LT	16
232+15.00	234+69.00	LT	113
235+61.00	237+20.00	LT	71
TOTAL			564

BITUMINOUS-SHOULDER REMOVAL

STATION TO	STATION	OFFSET	SQ YD
225+80.00	231+65.00	LT	260
231+97.00	237+20.00	LT	232
226+20.00	231+65.00	RT	242
231+97.00	236+80.00	RT	215
TOTAL			949

AGGREGATE SHOULDERS, TYPE A, 6"

STATION TO	STATION	OFFSET	SQ YD
225+80.00	234+69.00	LT	395
235+61.00	237+20.00	LT	71
226+20.00	236+80.00	RT	471
TOTAL			937

HOT-MIX ASPHALT SHOULDERS, 8"

STATION TO	STATION	OFFSET	SQ YD
231+47.00	232+15.00	LT	30
231+47.00	232+15.00	RT	30
TOTAL			60

HOT-MIX ASPHALT SHOULDERS

STATION TO	STATION	OFFSET	TON
227+50.00	231+50.00	LT	83
232+00.00	231+50.00	LT	65
TOTAL			148

PIPE CULVERT REMOVAL

STATION	OFFSET	FOOT
230+75.00	LT	22

PIPE CULVERTS, CLASS D, TYPE 1, 24"

STATION TO	STATION	OFFSET	FOOT
229+67.00	230+04.00	LT	37

END SECTIONS, 24"

STATION	OFFSET	EACH
229+67.00	LT	1
230+04.00	LT	1
TOTAL		2

P.C.C. DRIVEWAY PAVEMENT, 8"

STATION	OFFSET	SQ YD
234+95.00	LT	73
235+33.00	LT	73
TOTAL		146

STEEL PLATE BEAM GUARD RAIL, TYPE A

STATION TO	STATION	OFFSET	FOOT
230+74.75	231+62.25	LT	87.5
231+99.75	233+62.25	LT	162.5
229+99.75	231+62.25	RT	162.5
231+99.75	232+87.25	RT	87.5
TOTAL			500.0

STEEL PLATE BEAM GUARD RAIL, ATTACHED TO STRUCTURES

STATION TO	STATION	OFFSET	FOOT
231+62.25	231+99.75	LT	37.5
231+62.25	231+99.75	RT	37.5
TOTAL			75.0

TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)

STATION TO	STATION	OFFSET	EACH
230+24.75	230+74.75	LT	1
229+49.75	229+99.75	RT	1
233+62.25	234+12.25	LT	1
232+87.25	233+37.25	RT	1
TOTAL			4

GUARDRAIL REMOVAL

STATION TO	STATION	OFFSET	FOOT
230+89.00	231+65.00	LT	76
231+97.00	232+98.00	LT	101
230+64.00	231+65.00	RT	101
231+97.00	232+98.00	RT	101
TOTAL			379

REMOVAL AND REINSTALLATION OF EXISTING STEEL PLATE BEAM GUARDRAIL, SINGLE RAIL

STATION TO	STATION	OFFSET	FOOT
230+89.00	231+65.00	LT	76
231+97.00	232+98.00	LT	101
TOTAL			177

FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS

STATION	OFFSET	EACH
228+50.00	40' LT	1
229+70.00	58' LT	1
229+70.00	78' LT	1
230+58.00	90' LT	1
228+00.00	40' RT	1
231+50.00	90' RT	1
232+00.00	90' RT	1
234+00.00	60' RT	1
236+00.00	60' RT	1
236+50.00	40' RT	1
TOTAL		10

SHORT-TERM PAVEMENT MARKING

STATION TO	STATION	FOOT
225+80.00	237+20.00	228

TEMPORARY PAVEMENT MARKING - LINE 5"

DESCRIPTION	STATION TO	STATION	FOOT
STAGE I	225+80.00	237+20.00	1140
STAGE II	226+20.00	236+80.00	1060
FINAL SURFACE	225+80.00	237+20.00	2565
TOTAL			4765

WORK ZONE PAVEMENT MARKING REMOVAL

DESCRIPTION	SQ FT
SHORT-TERM PAVEMENT MKG	76
TEMPORARY PAVEMENT MKG	1588
TOTAL	1664

TEMPORARY CONCRETE BARRIER

STATION TO	STATION	FOOT
226+10.32	227+50.00	140
227+50.00	235+50.00	800
235+50.00	236+89.68	140
TOTAL		1080

RELOCATE TEMPORARY CONCRETE BARRIER

STATION TO	STATION	FOOT
226+50.18	227+50.00	100
227+50.00	235+50.00	800
235+50.00	236+49.82	100
TOTAL		1000

PAINT PAVEMENT MARKING - LINE 5"

STATION TO	STATION	LT EDGE (WHITE)	RT EDGE (WHITE)	CENTER (YELLOW)	FOOT
225+80.00	237+20.00	1140	1140	285	2565

RAISED REFLECTIVE PAVEMENT MARKER

STATION TO	STATION	EACH
227+50.00	235+50.00	11

GUARDRAIL MARKERS, TYPE A

STATION TO	STATION	OFFSET	EACH
230+24.75	234+12.25	LT	6
229+49.75	233+37.25	RT	6
TOTAL			12

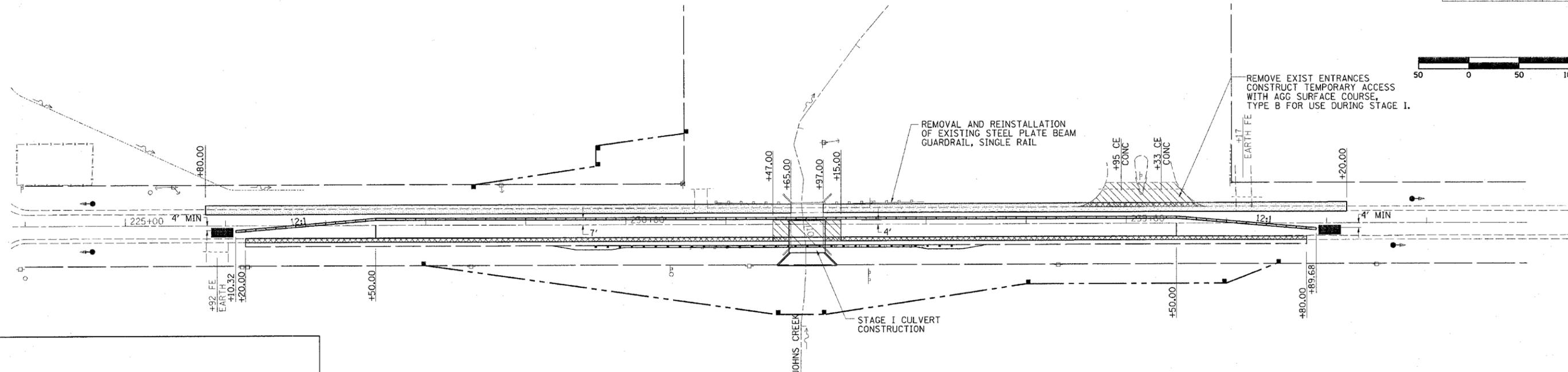
TERMINAL MARKER - DIRECT APPLIED

STATION	OFFSET	EACH
229+49.75	RT	1
230+24.75	LT	1
233+37.25	RT	1
234+12.25	LT	1
TOTAL		4

RAISED REFLECTIVE PAVEMENT MARKER REMOVAL

STATION TO	STATION	EACH
227+50.00	235+50.00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	139B-1	SANGAMON	39	8
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



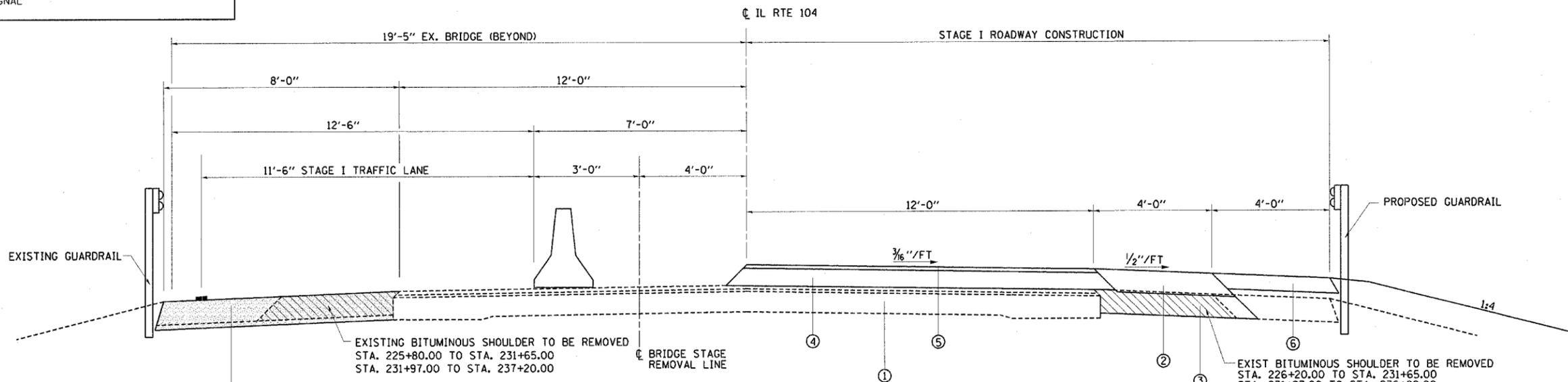
PLAN LEGEND

- HOT-MIX ASPHALT BASE COURSE WIDENING, 9"
(TO BE PLACED PRIOR TO STAGE I)
- AGGREGATE BASE COURSE, TYPE B
- PAVEMENT REMOVAL
- BRIDGE REMOVAL
- IMPACT ATTENUATOR
- TRAFFIC SIGNAL

NOTES:

1. SEE CULVERT PLANS FOR CULVERT STAGE CONSTRUCTION DETAILS.
2. SEE STANDARD 701321 (SPECIAL) FOR ADDITIONAL DETAILS OF TRAFFIC CONTROL.
3. THIS WORK IS TO BE PAID FOR AS STANDARD 701321 (SPECIAL).

STAGE I PLAN



TYPICAL SECTION LEGEND

- ① EXISTING PAVEMENT
- ② PLACE PRIOR TO STAGE I CONSTRUCTION
STA. 225+80.00 TO STA. 231+65.00
STA. 231+97.00 TO STA. 237+20.00
- ③ AGGREGATE BASE COURSE, TYPE B, (VARIABLE DEPTH)
- ④ HOT-MIX ASPHALT BINDER COURSE,
IL 19.0, N50, (VARIABLE DEPTH)
- ⑤ HOT-MIX ASPHALT SURFACE COURSE,
MIX C, N 50, (1 1/2")
- ⑥ AGGREGATE SHOULDERS, TYPE A, 6"

STAGE I TYPICAL SECTION

NOTE: SEE TYPICAL SECTION 2, SHEET 5 FOR PAVEMENT AND SHOULDERS OVER NEW BOX CULVERT.

REVISIONS	
NAME	DATE

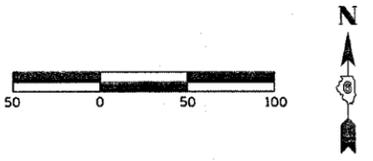
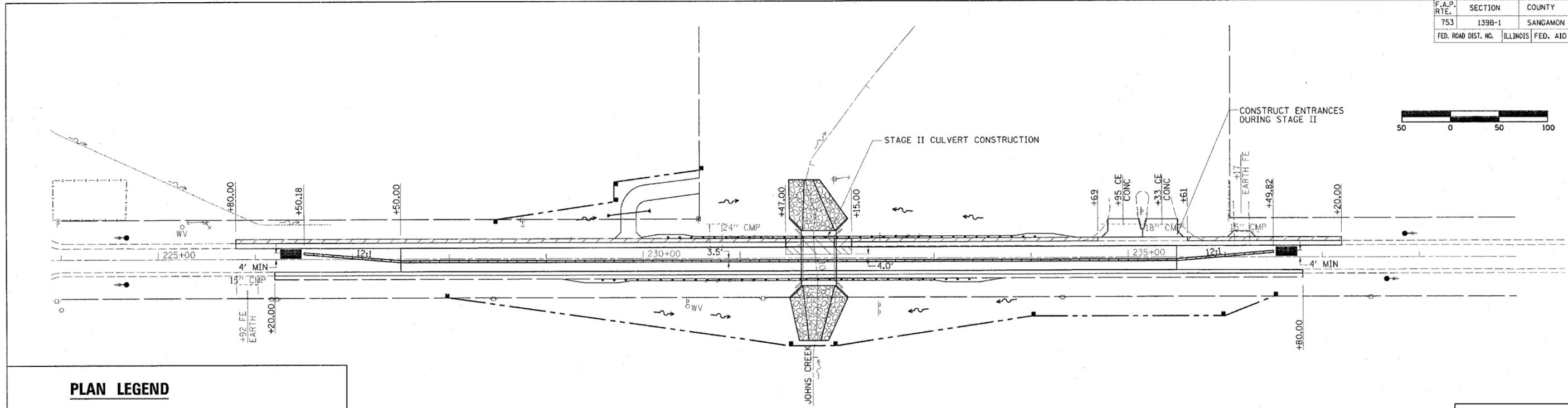
ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGE I CONSTRUCTION

DATE 1/2004

DRAWN BY RJC
CHECKED BY SJK

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	139B-1	SANGAMON	39	9
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



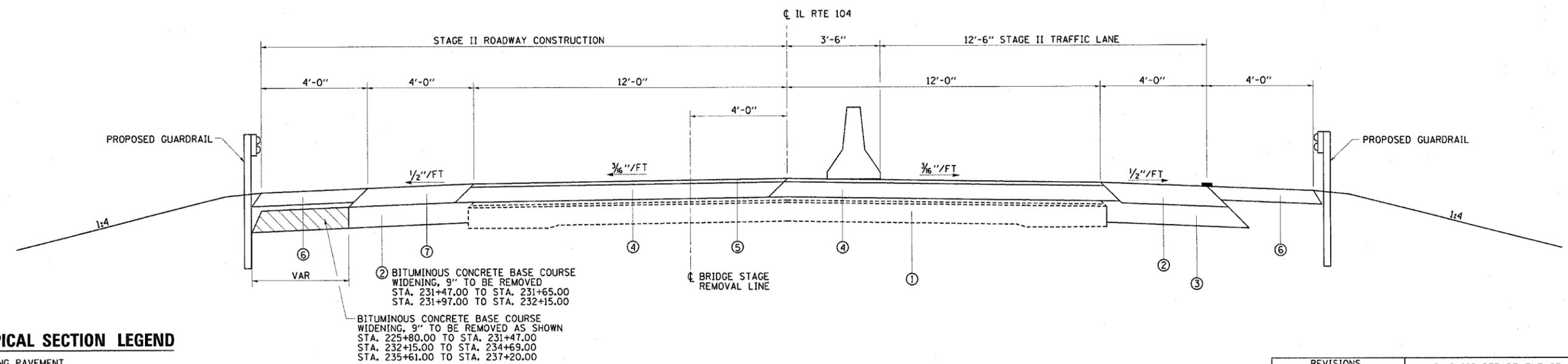
PLAN LEGEND

- AGGREGATE BASE COURSE, TYPE B
- PAVEMENT REMOVAL
- BRIDGE REMOVAL
- BASE COURSE WIDENING REMOVAL (PAID FOR AS "PAVEMENT REMOVAL")
- IMPACT ATTENUATOR
- TRAFFIC SIGNAL

NOTES:

1. SEE CULVERT PLANS FOR CULVERT STAGE CONSTRUCTION DETAILS.
2. SEE STANDARD 701321 (SPECIAL) FOR ADDITIONAL DETAILS OF TRAFFIC CONTROL.
3. THIS WORK IS TO BE PAID FOR AS STANDARD 701321 (SPECIAL).

STAGE II PLAN



TYPICAL SECTION LEGEND

- 1 EXISTING PAVEMENT
- 2 HOT-MIX ASPHALT BASE COURSE WIDENING, 9"
- 3 AGGREGATE BASE COURSE, TYPE B, (VARIABLE DEPTH)
- 4 HOT-MIX ASPHALT BINDER COURSE, IL 19.0, NS0, (VARIABLE DEPTH)
- 5 HOT-MIX ASPHALT SURFACE COURSE, MIX C, N 50, (1/2")
- 7 BITUMINOUS SHOULDERS, SUPERPAVE, (VARIABLE DEPTH)

BITUMINOUS CONCRETE BASE COURSE WIDENING, 9" TO BE REMOVED AS SHOWN
 STA. 225+80.00 TO STA. 231+47.00
 STA. 232+15.00 TO STA. 234+69.00
 STA. 235+61.00 TO STA. 237+20.00

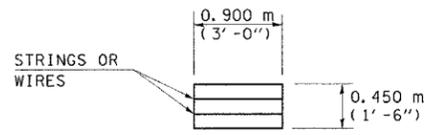
STAGE II TYPICAL SECTION

NOTE: SEE TYPICAL SECTION 2, SHEET 5 FOR PAVEMENT AND SHOULDERS OVER NEW BOX CULVERT.

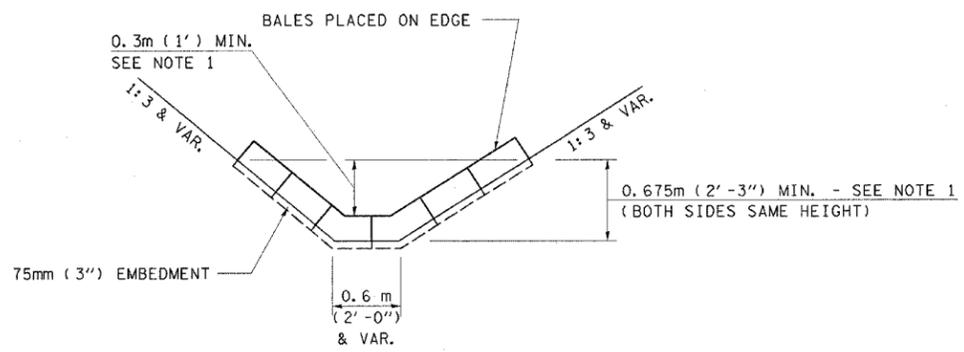
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
STAGE II CONSTRUCTION
 DRAWN BY RJC
 CHECKED BY SJK
 DATE 1/2004

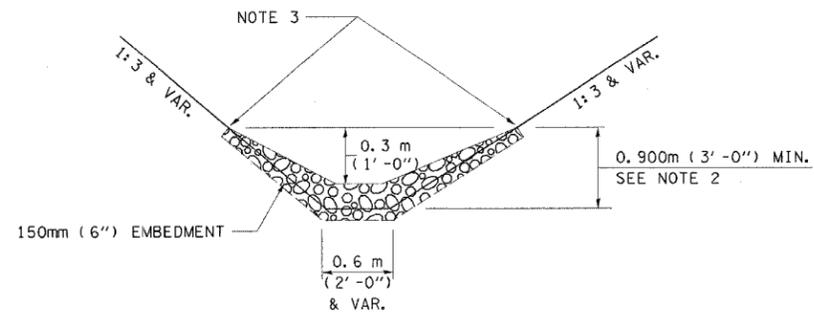
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	139B-1	SANGAMON	39	13
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



HAY OR STRAW BALE
(TYPICAL ELEVATION)



HAY OR STRAW BALE TEMPORARY DITCH CHECK
(TYPICAL)



STONE DUMPED RIPRAP DITCH CHECK
(TYPICAL)

- NOTE 1: BALES SHALL EXTEND FAR ENOUGH UP THE SLOPES TO ALLOW 0.3m (1') OVERTOPPING TO AVOID ERODING AROUND THE EDGES OF THE BALES.
- NOTE 2: RIPRAP SHALL EXTEND FAR ENOUGH UP THE SLOPES TO ALLOW 0.3m (1') OVERTOPPING TO AVOID ERODING AROUND THE EDGES OF THE RIPRAP.
- NOTE 3: ENDS SHALL BE TIED INTO SLOPES.

LEGEND FOR STORM WATER POLLUTION PREVENTION PLAN

ITEM	SYMBOL
AGGREGATE (EROSION CONTROL) [STONE DUMPED RIPRAP DITCH CHECKS: Height = 0.6m (2')]	
TEMPORARY DITCH CHECKS (HAY OR STRAW BALE DITCH CHECKS OR APPROVED SUBSTITUTION)	
INLET PIPE PROTECTION (I&PP) (HAY OR STRAW BALE DITCH CHECKS OR APPROVED SUBSTITUTION)	
EROSION CONTROL FENCE	
EARTH EXCAVATION FOR EROSION CONTROL (SEDIMENT BASINS)	
PRESERVE EXISTING TREES, WOODLANDS, AND UNDERSTORY (OUTSIDE CONSTRUCTION LIMITS)	
ITEM PLACED AT BEGINNING OF CONSTRUCTION (Requirement)	* ITEM *
ITEM PLACED AS DIRECTED BY ENGINEER (When required by situation)	ITEM
DIRECTION OF OVERLAND FLOW	
STONE RIPRAP. CLASS A4	
EROSION CONTROL BLANKET	

GENERAL NOTES:
All items shall be constructed as shown on this sheet, on Standard 280001, and as directed by the Engineer.

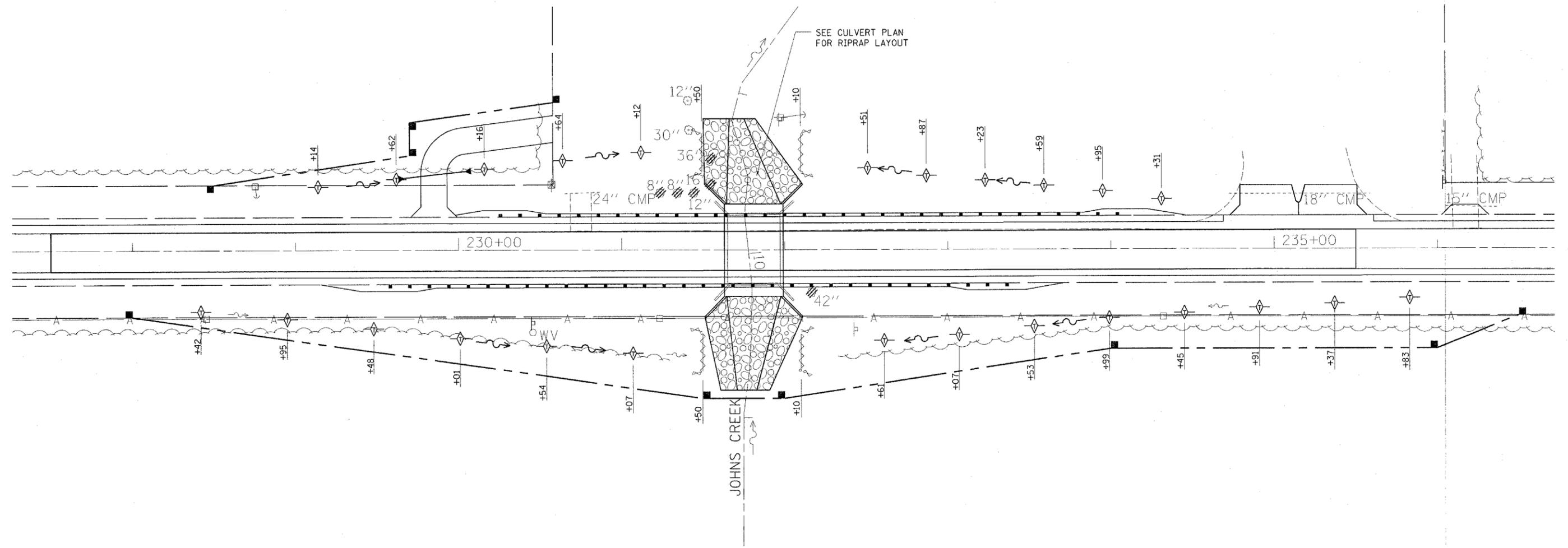
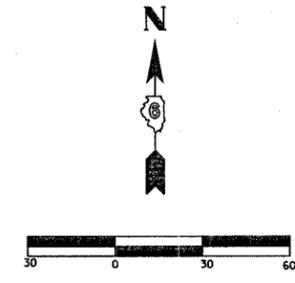
The symbology on the STORM WATER POLLUTION PREVENTION PLAN sheets does not represent the size or quantity of bales, for number of bales refer to details and notes shown on this sheet and/or as directed by the Engineer.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
STORM WATER POLLUTION PREVENTION PLAN
(SHEET 4 OF 5)

DATE 2/2004
DRAWN BY MLO
CHECKED BY SJK

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	139B-1	SANGAMON	39	14
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



SEE SHEET 4 OF 5 FOR LEGEND

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**STORM WATER POLLUTION
 PREVENTION PLAN**
 (SHEET 5 OF 5)

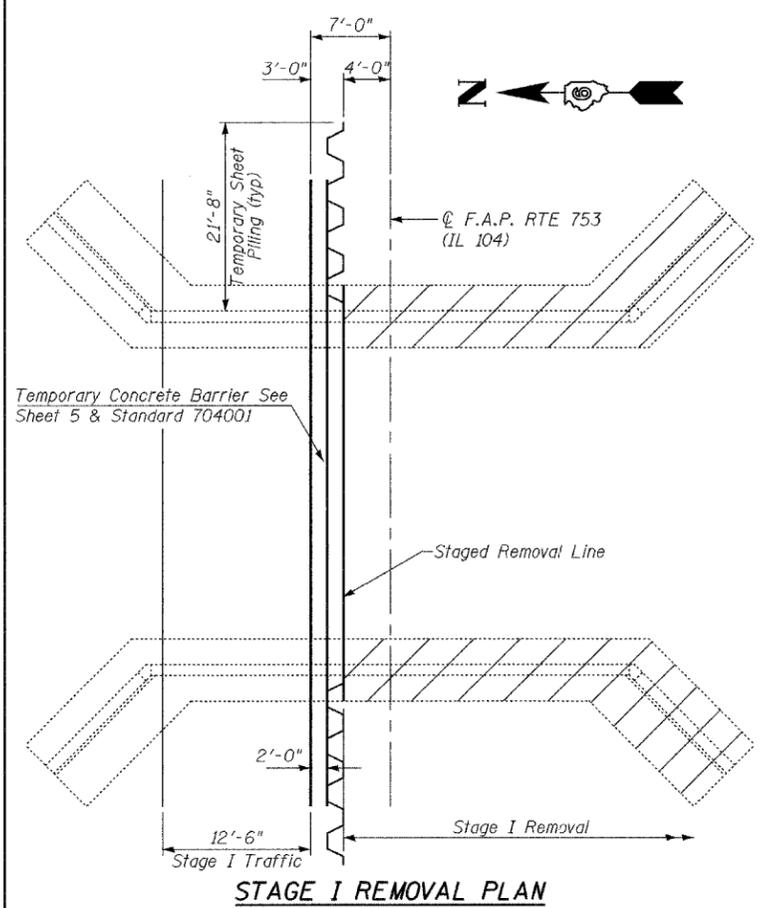
DATE 2/2004
 DRAWN BY MLO
 CHECKED BY SJK

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 2 7 SHEETS
FAP 753 (IL 104)	139BR-1	SANGAMON	36	16	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

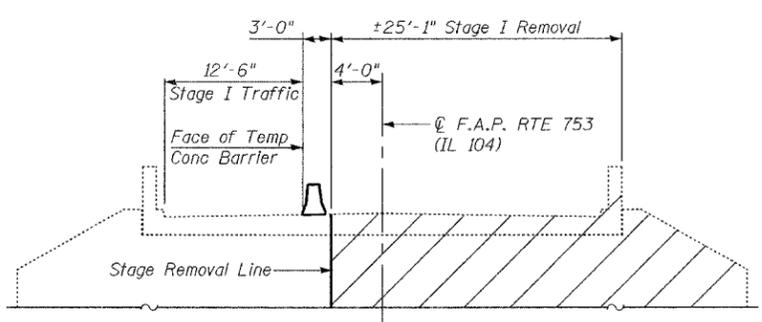
Contract No. 72689

NOTES

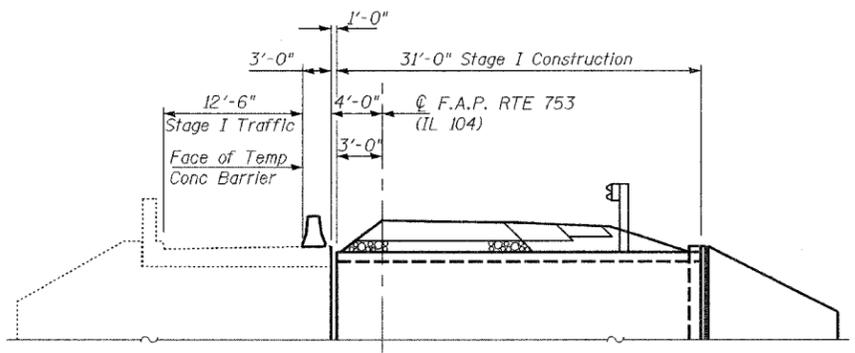
- 1.) Hatched Area Indicates "Removal of Existing Structures". Removal of Existing Bituminous & Concrete Wearing Surface and Existing Guardrail Shall be Included With the Cost of "Removal of Existing Structures".
- 2.) For Temporary Concrete Barrier, See Standard 704001 and Sheet 5 of 7.
- 3.) All Cross Sections Are Looking East.
- 4.) For Temporary Sheet Piling, See Sheet 3 of 7.



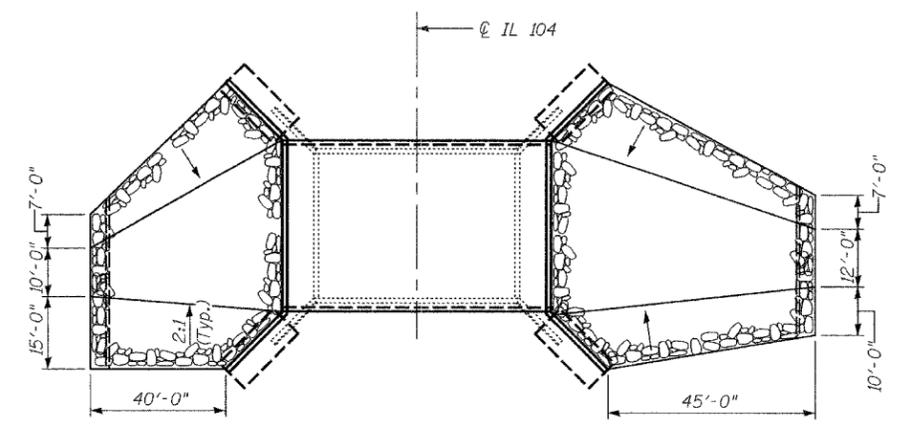
STAGE I REMOVAL PLAN



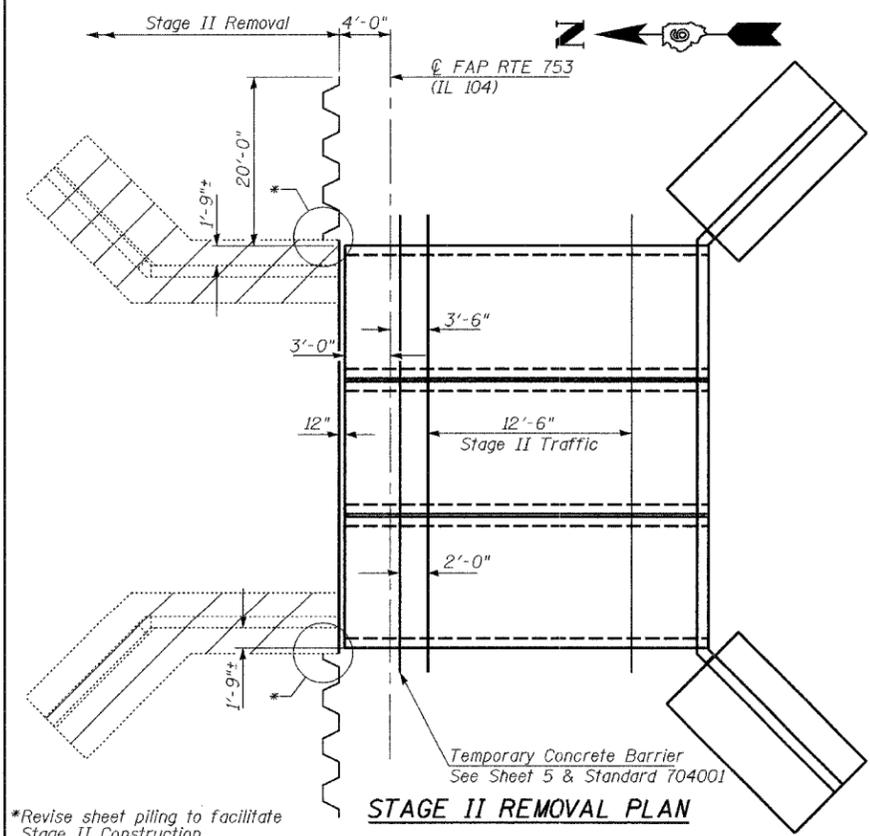
STAGE I REMOVAL ELEVATION



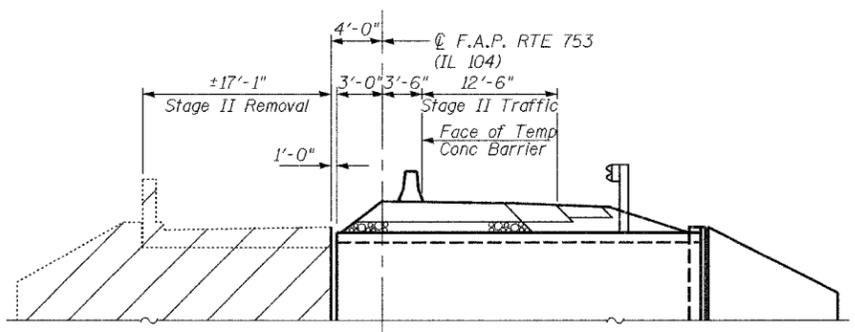
STAGE I CONSTRUCTION ELEVATION



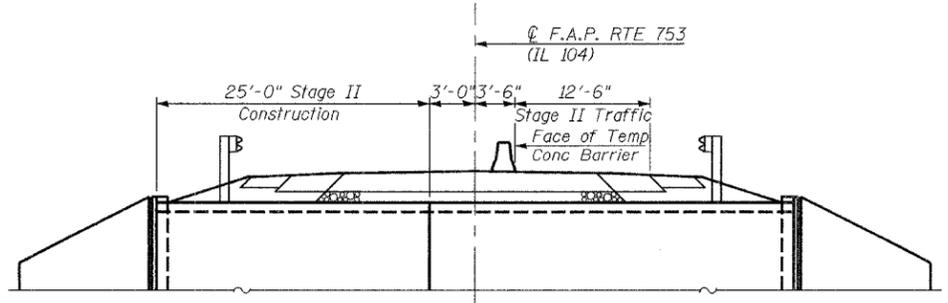
RIPRAP LAYOUT



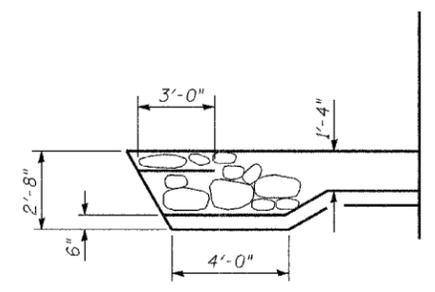
STAGE II REMOVAL PLAN



STAGE II REMOVAL ELEVATION



STAGE II CONSTRUCTION ELEVATION



FLANK DETAIL

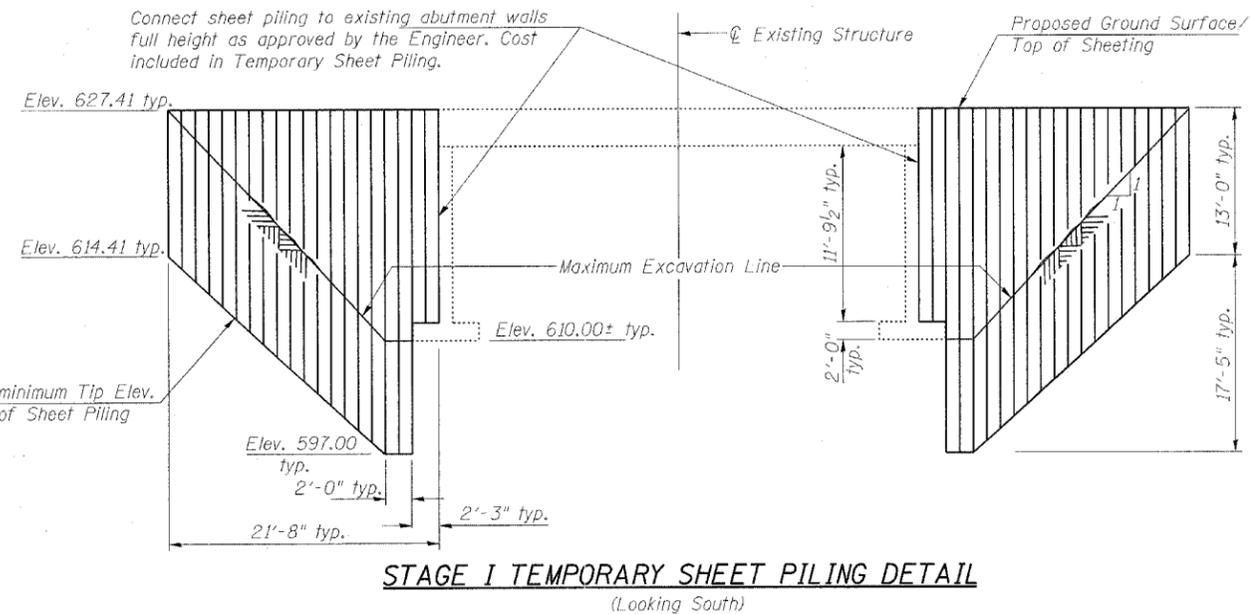
*Revise sheet piling to facilitate Stage II Construction

ILLINOIS DEPARTMENT OF TRANSPORTATION	
SHEET TITLE STAGE CONSTRUCTION DETAILS	
PROJECT IL. ROUTE 104 OVER JOHNS CREEK FAP ROUTE 753 SECTION 139BR-1 SANGAMON COUNTY STATION 231+81 STRUCTURE NUMBER 084-2507	PROJECT NO. 02124-2 SCALE DATE 02/01/07 DRAWN BY TFG/CFC CHECKED BY CME/REG/MCB DRAWING NO.
COOMBE-BLOXDORF P.C. Engineers / Land Surveyors Springfield, Illinois Design Firm License No. 184-002703	2 OF 7 SHTS

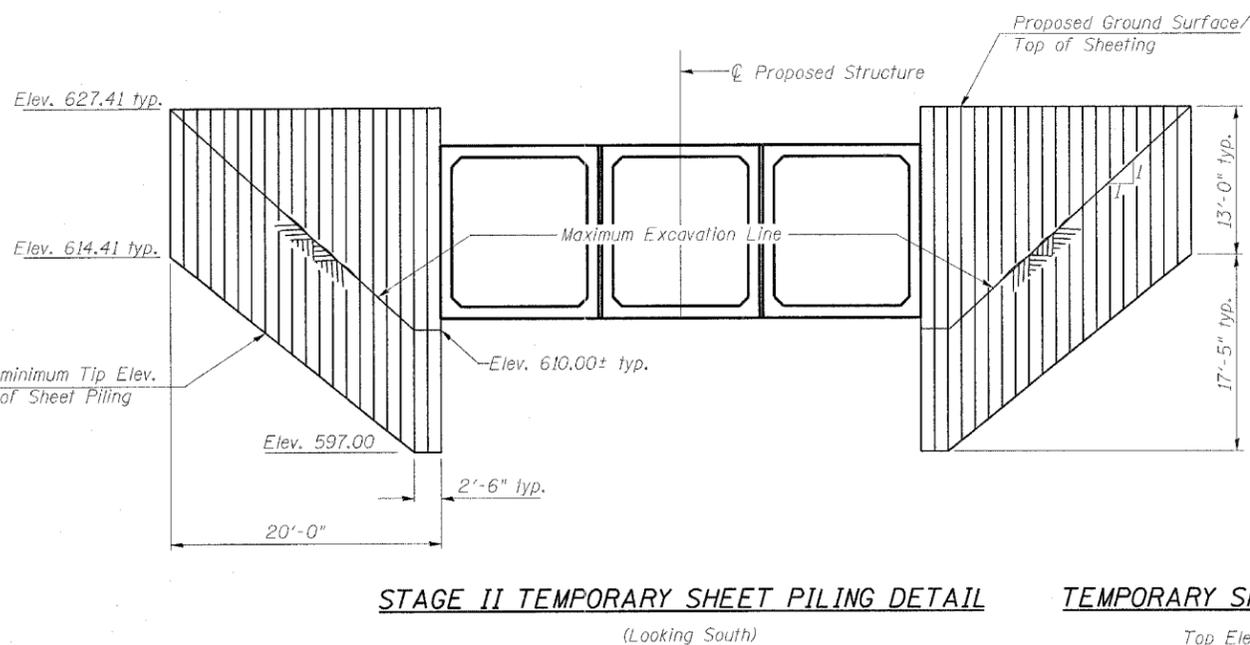
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 3 7 SHEETS
FAP 753 (IL 184)	139B-1	SANGAMON	39	17	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

BILL OF MATERIAL

Bar	No.	Size	Length (ft)	Shape
d ₁₀	10	#4	11'-2"	┌
n ₁₀	8	#4	19'-0"	—
n ₂₀	96	#4	15'-11"	—
n ₂₀ (E)	80	#7	7'-6"	┌
n ₂₁ (E)	84	#6	3'-10"	┌
s ₁₀	4	#4	26'-0"	┌
s ₁₁	4	#4	26'-5"	┌
t ₂₀	168	#6	9'-7"	—
v ₁₀	4	#4	7'-0"	—
v ₂₀	20	#4	17'-0"	—
v ₂₁	84	#5	8'-3"	—
v ₂₂	28	#4	4'-7"	—
v ₂₃	28	#4	6'-6"	—
v ₂₄	28	#4	8'-6"	—
w ₂₀	64	#5	15'-11"	—
Precast Concrete Box Culvert 10' x 11'		Foot		168
Concrete Box Culverts		Cu. Yd.		105.4
Reinforcement Bars		Pound		5990
Reinforcement Bars Epoxy Coated		Pound		1710
Name Plates		Each		1
Temporary Sheet Piling		Sq. Ft.		1114



STAGE I TEMPORARY SHEET PILING DETAIL
(Looking South)



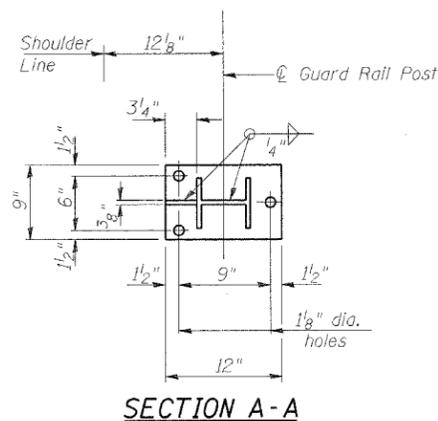
STAGE II TEMPORARY SHEET PILING DETAIL
(Looking South)

TEMPORARY SHEET PILING DATA

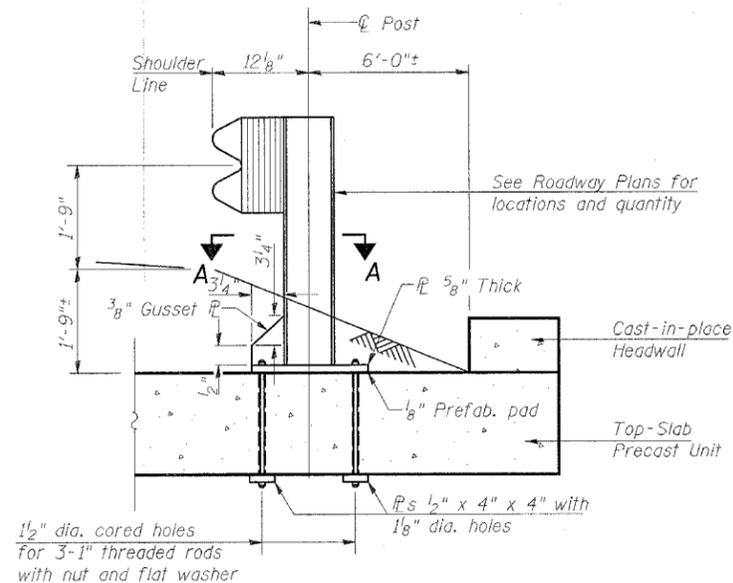
Top Elev. : 627.41
Bottom Elev. : Varies
Embedment : 13'-0"
Min. Section Modulus : 28.4 in/ft
F : 36,600 psi

NOTE

If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.



SECTION A-A



GUARDRAIL POST DETAIL

Locate posts to clear culvert walls

Work this sheet with sheet 4 of 7.

ILLINOIS DEPARTMENT OF TRANSPORTATION

SHEET TITLE
TEMPORARY SHEET PILING, BAR DETAILS & BILL OF MATERIAL

PROJECT
IL. ROUTE 104 OVER JOHNS CREEK
FAP ROUTE 753 SECTION 139B-1
SANGAMON COUNTY
STATION 231+81
STRUCTURE NUMBER 084-2507

PROJECT NO. 02124-2
SCALE
DATE 01/06/05
DRAWN BY TFC
CHECKED BY CME/REG/M.C.B.
DRAWING NO.

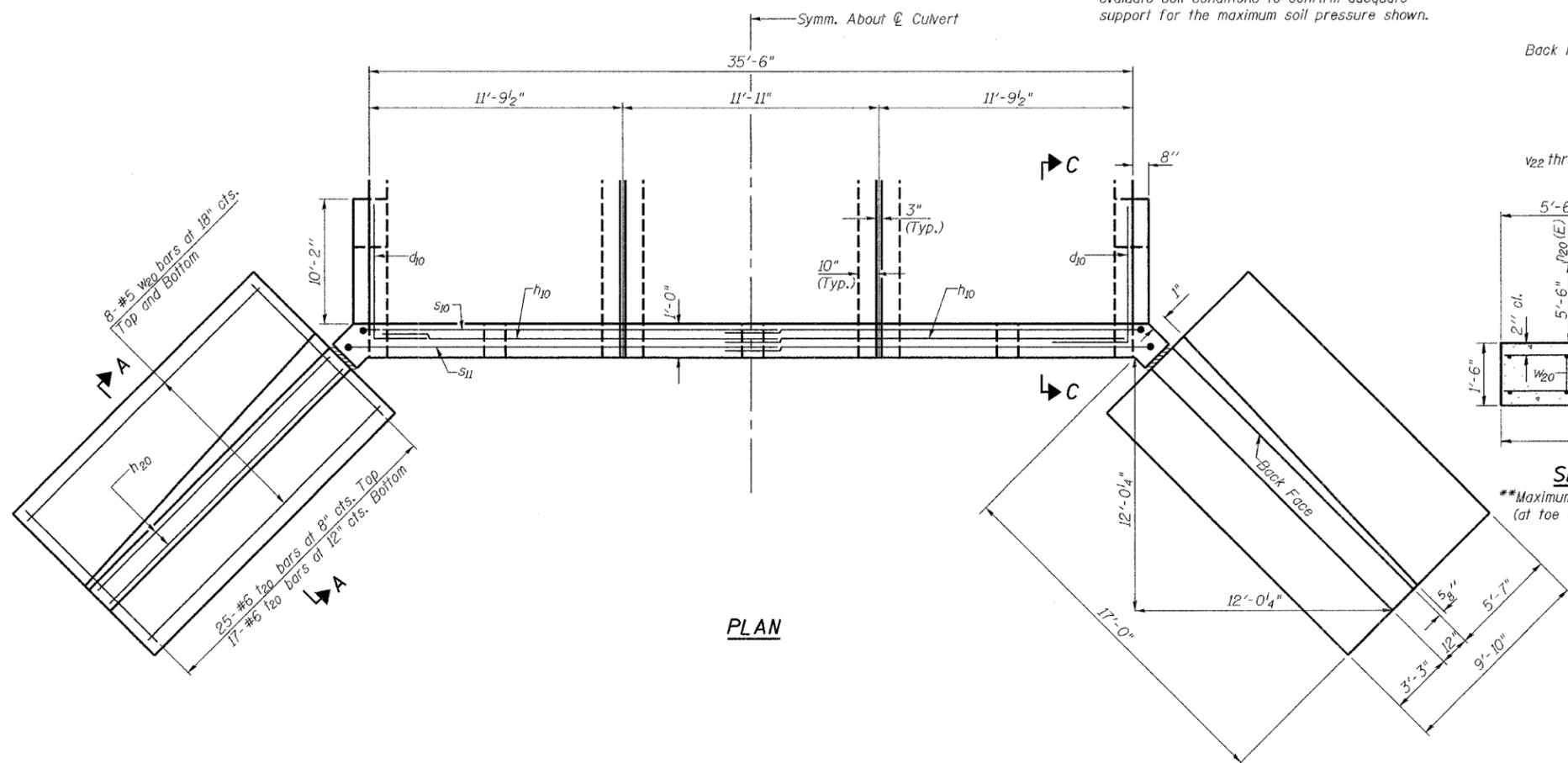
COOMBE-BLOXDORF P.C.
Engineers/Land Surveyors
Springfield, Illinois
Design Firm License No. 184-002703

3
OF 7 SHTS

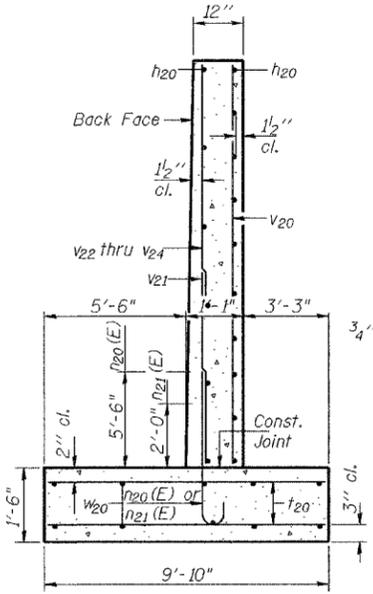
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 4 7 SHEETS
FAP 753 (L 184)	139BR-1	SANGAMON	36	18	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

Contract No. 72689

**Following excavation for the proposed wingwall foundation, the District geotechnical staff must evaluate soil conditions to confirm adequate support for the maximum soil pressure shown.

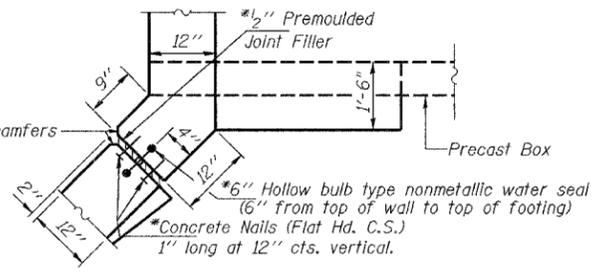


PLAN



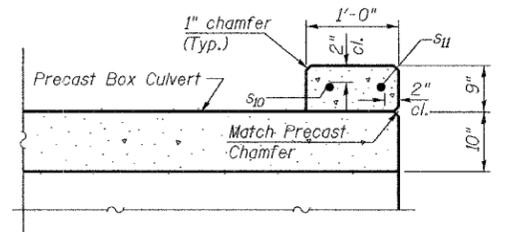
SECTION A-A

**Maximum Soil Pressure = 1.8 tsf (at toe of wingwall)

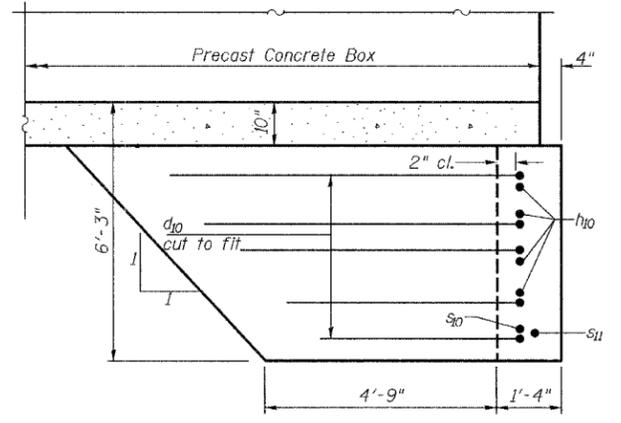


CORNER DETAIL

*Cost Included in Concrete Box Culverts

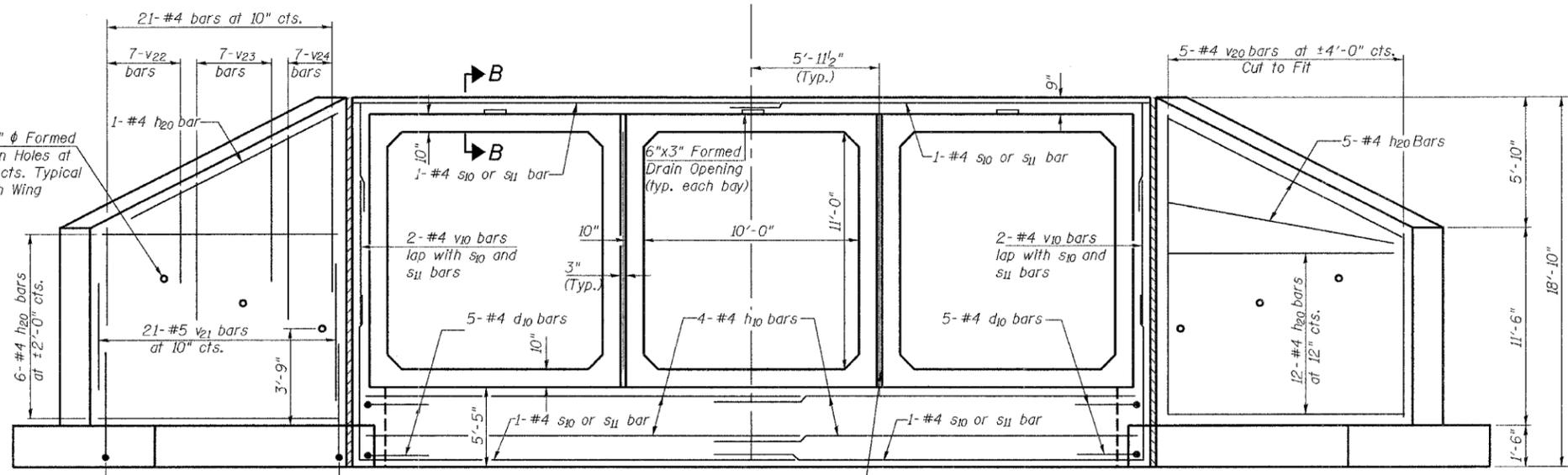


SECTION B-B



SECTION C-C

Work this sheet with sheet 3 of 7.



REINFORCEMENT BACK FACE

END ELEVATION

REINFORCEMENT FRONT FACE

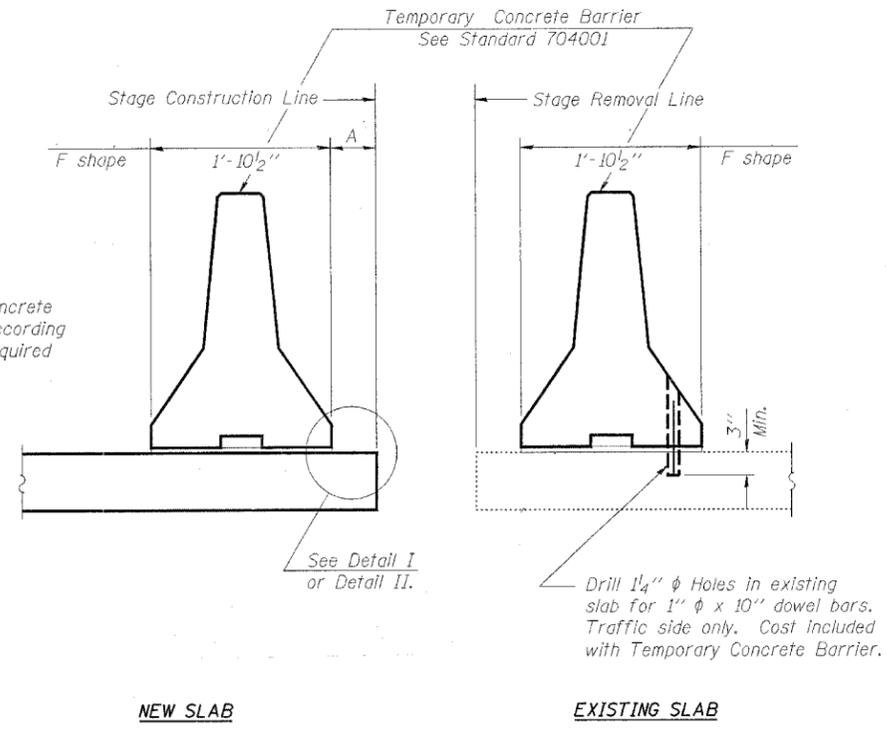
After backfilling precast units to mid height the 3" gap shall be filled with Class SI Concrete with a 3/8" maximum size aggregate. (Typ.)

Min. Bar Laps

- #4 = 1'-4"
- #5 = 1'-8"

ILLINOIS DEPARTMENT OF TRANSPORTATION	
SHEET TITLE TRIPLE 10'-0" X 11'-0" BOX CULVERT ELEVATION & SECTIONS	
PROJECT IL. ROUTE 104 OVER JOHNS CREEK FAP ROUTE 753 SECTION 139BR-1 SANGAMON COUNTY STATION 231+81 STRUCTURE NUMBER 084-2507	PROJECT NO. 02124-2 DATE 02/01/07 DRAWN BY TFC CHECKED BY CME/REG/MCB DRAWING NO.
COOMBE-BLOXDORF P.C. Engineers / Land Surveyors Springfield, Illinois Design Firm License No. 184-002703	4 OF 7 SHTS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 5 7 SHEETS
FAP 753 (IL 104)	139B-1	SANGAMON	39	19	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			



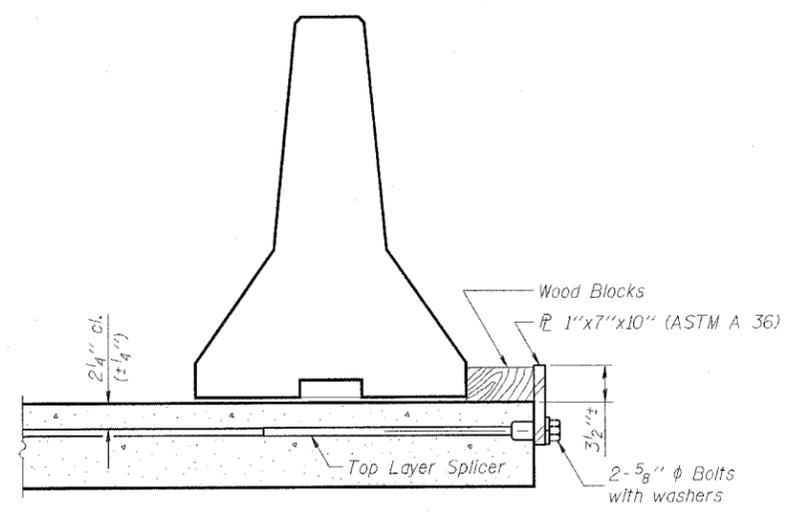
SECTIONS THRU SLAB

NOTES

Detail I - With Bar Splicer or Couplers:
Connect one (1) 1"x7"x10" steel \bar{L} to the top layer of couplers with 2-5/8" ϕ bolts screwed to coupler at approximate \bar{C} of each barrier panel.

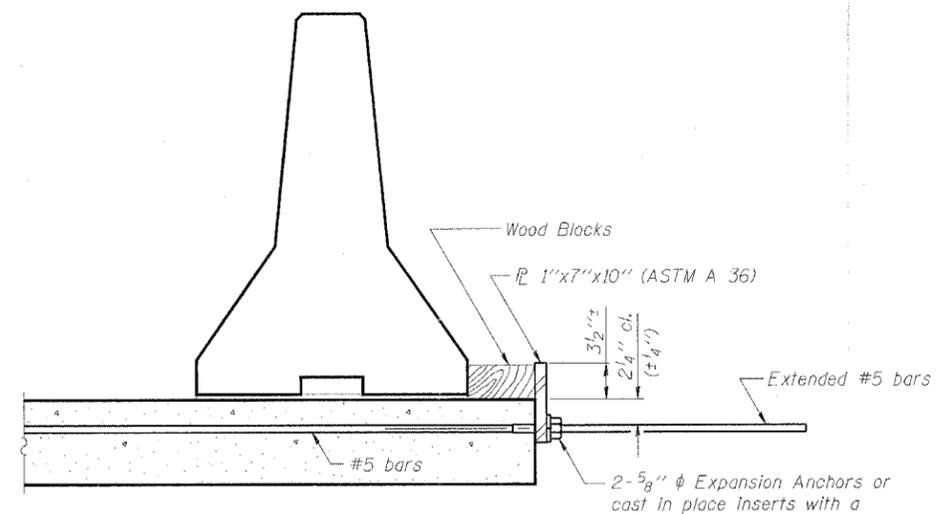
Detail II - With Extended Reinforcement Bars:
Connect one (1) 1"x7"x10" steel \bar{L} to the concrete slab with 2-5/8" ϕ Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate \bar{C} of each barrier panel.

Cost of anchorage is included with Temporary Concrete Barrier.



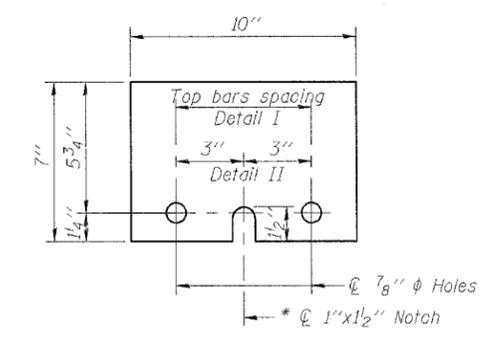
DETAIL I

The 1"x7"x10" Plate shall not be removed until Stage II Construction forms and reinforcement bars are in place.



DETAIL II

The 1"x7"x10" Plate shall not be removed until Stage II Construction forms and all reinforcement bars are in place and the concrete is ready to be placed.



\bar{L} 1"x7"x10"
* Required only with Detail II

ILLINOIS DEPARTMENT OF TRANSPORTATION			
SHEET TITLE TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION			
PROJECT IL. ROUTE 104 OVER JOHNS CREEK FAP ROUTE 753 SECTION 139B-1 SANGAMON COUNTY STATION 231+81 STRUCTURE NUMBER 084-2507	PROJECT NO. 02124-2	SCALE 01/06/05	DRAWN BY TFG
CHECKED BY CME/REG/MCB		DRAWING NO.	
COOMBE-BLOXDORF P.C. Engineers/Land Surveyors Springfield, Illinois Design Firm License No. 184-002703			5 OF 7 SHTS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 6
FAP 753 (IL 104)	139B-1	SANGAMON	39	20	7 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		



Illinois Department of Transportation
Division of Highways
East District 6

SOIL BORING LOG

Page 1 of 2

Date 6/17/08

ROUTE FAP 753 (IL 104) DESCRIPTION IL 104 over Johns Creek Proposed SN 084-2507 LOGGED BY M. Tappan

SECTION 139BR-1 LOCATION NE 14, SEC. 11, TWP. 13 N, RNG. 7 W, 3 PM

COUNTY Sangamon DRILLING METHOD HSA HAMMER TYPE 140 # Auto

STRUCT. NO. Station	BORING NO. Station	Offset	Ground Surface Elev.	D (ft)	B /6"	U (tsf)	M (%)	Soil Description								
								Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	After _____ Hrs.					
084-0062 231+81	1 SW 231+47	10.00ft Rt	626					615.2 ft	614.8 ft	617.0 ft	Plugged					
Dark Grey Moist SILTY CLAY (Fill)																
Dark Grey Moist SILTY CLAY LOAM																
Light Grey Limestone BOULDER Free Water																
Dark Grey V. Moist SILTY CLAY																
Brown and Grey Moist SILTY CLAY LOAM																
Brown and Grey Moist CLAY LOAM (Till)																
Grey Moist SILTY CLAY (Till)																

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

BBS, from 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
East District 6

SOIL BORING LOG

Page 2 of 2

Date 6/17/08

ROUTE FAP 753 (IL 104) DESCRIPTION IL 104 over Johns Creek Proposed SN 084-2507 LOGGED BY M. Tappan

SECTION 139BR-1 LOCATION NE 14, SEC. 11, TWP. 13 N, RNG. 7 W, 3 PM

COUNTY Sangamon DRILLING METHOD HSA HAMMER TYPE 140 # Auto

STRUCT. NO. Station	BORING NO. Station	Offset	Ground Surface Elev.	D (ft)	B /6"	U (tsf)	M (%)	Soil Description								
								Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	After _____ Hrs.					
084-0062 231+81	1 SW 231+47	10.00ft Rt	626					615.2 ft	614.8 ft	617.0 ft	Plugged					
Grey Moist SILTY CLAY (Till) (continued)																
Grey Moist CLAY LOAM (Till) (continued)																
Grey Moist CLAY LOAM (Till)																
Boring Completed																

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

BBS, from 137 (Rev. 8-99)

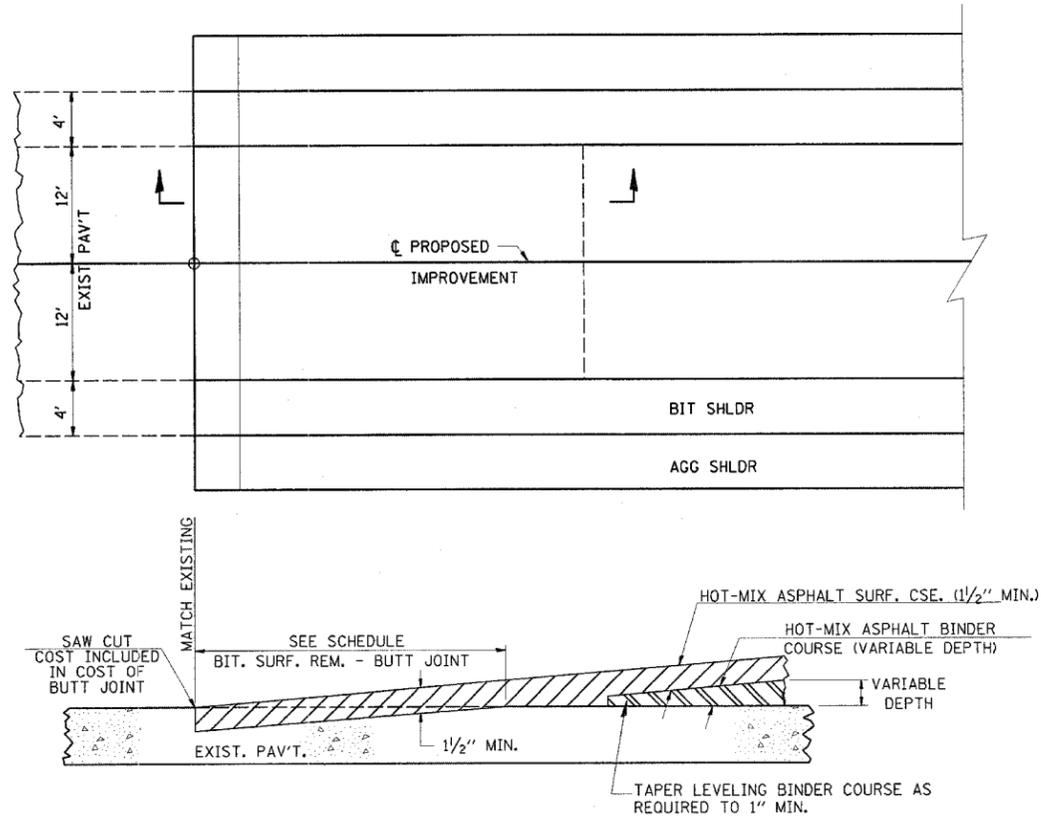
SOIL BORING 084-0062 IL 104 OVER JOHNS CREEK SN 084-2507

SOIL BORING 084-0062 IL 104 OVER JOHNS CREEK SN 084-2507

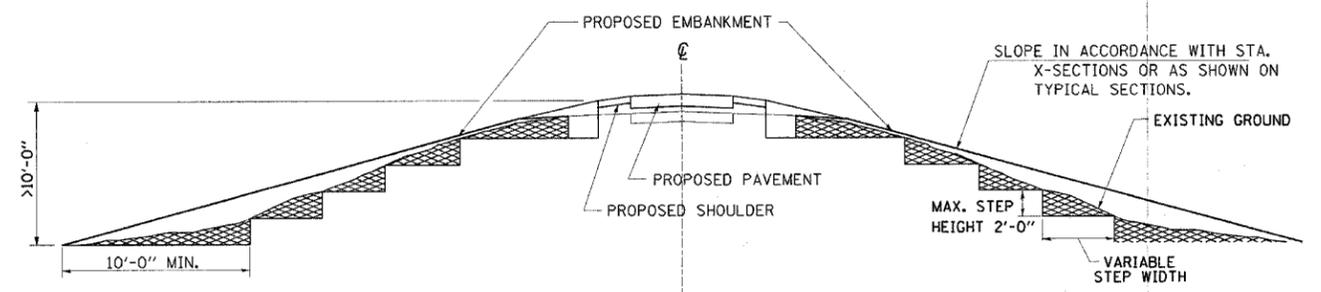
ILLINOIS DEPARTMENT OF TRANSPORTATION	
SHEET TITLE BORINGS	
PROJECT IL. ROUTE 104 OVER JOHNS CREEK FAP ROUTE 753 SECTION 139B-1 SANGAMON COUNTY STATION 231+81 STRUCTURE NUMBER 084-2507	PROJECT NO. 02124-2 SCALE DATE 01/06/05 DRAWN BY TFG/CFC CHECKED BY CME/REG/MCB DRAWING NO.
COOMBE-BLOXDORF P.C. Engineers/Land Surveyors Springfield, Illinois Design Firm License No. 184-002703	
6	
OF 7 SHTS	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	139B-1	SANGAMON	39	22
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

BUTT JOINT DETAIL



TYPICAL CROSS SECTION SHOWING STEP CONSTRUCTION ON EXISTING FILL



MATERIAL TO BE REMOVED AND REPLACED IN THE EMBANKMENT IN ACCORDANCE WITH ART. 205.04 OF THE STANDARD SPECIFICATION. COST TO BE INCLUDED IN THE VARIOUS ITEMS OF EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED BECAUSE OF THIS WORK.

NOTE: THIS DETAIL APPLIES TO SIDEHILL FILLS WHERE THE EXISTING SLOPE IS GREATER THAN 10'-0" HIGH AND STEEPER THAN 1V:3H

ILLINOIS DEPARTMENT OF TRANSPORTATION

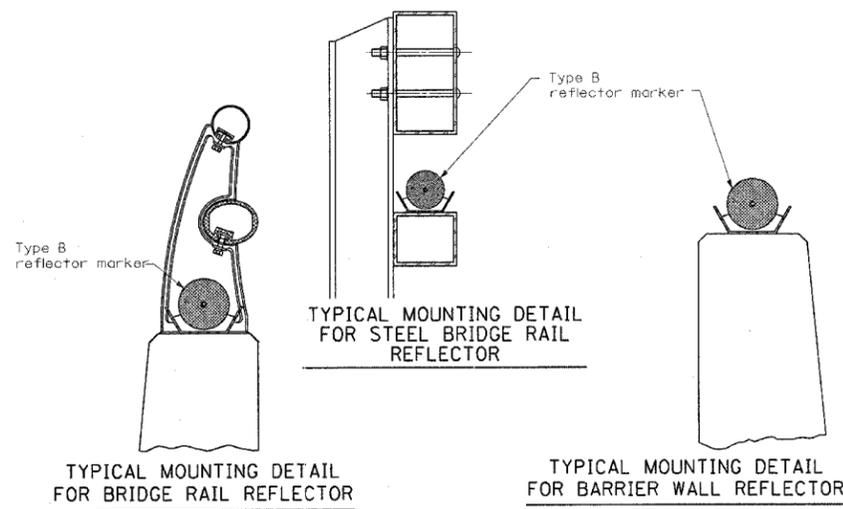
ROADWAY DETAILS

REVISIONS	
NAME	DATE

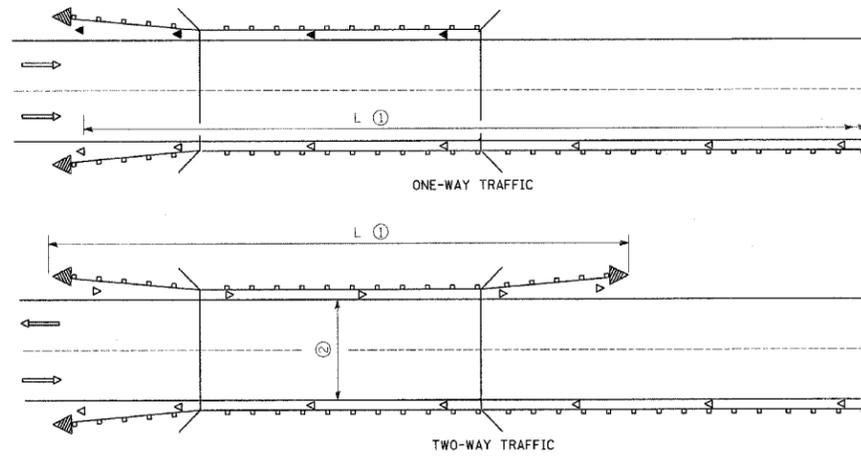
SCALE: NONE
DATE 2/2004

DRAWN BY MLO
CHECKED BY SJK

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	139B-1	SANGAMON	39	23
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



REFLECTOR MOUNTING



① THE NUMBER OF REFLECTORS WILL BE CALCULATED AS:

$$\text{NUMBER OF REFLECTORS} = \frac{L - 6}{24} + 1 \text{ (L IS IN METERS) (ROUND UP)}$$

$$\text{NUMBER OF REFLECTORS} = \frac{L - 20}{80} + 1 \text{ (L IS IN FEET) (ROUND UP)}$$

THE SPACING OF REFLECTORS WILL BE CALCULATED AS:

$$\text{SPACING} = \frac{L - 6}{\text{NUMBER OF REFLECTORS} - 1} \text{ (L IS IN METERS)}$$

$$\text{SPACING} = \frac{L - 20}{\text{NUMBER OF REFLECTORS} - 1} \text{ (L IS IN FEET)}$$

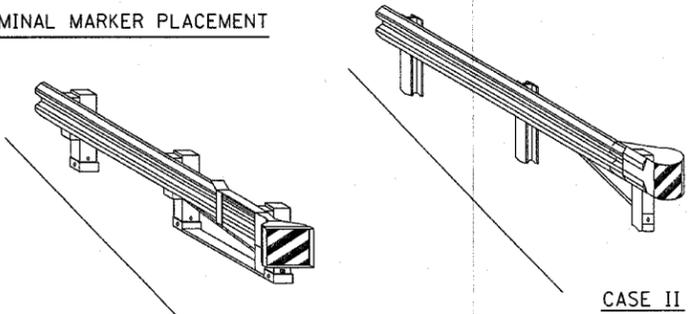
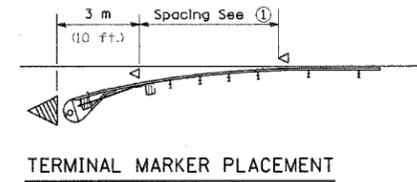
WITH MAXIMUM SPACING OF 24 m (80 ft.)

GUARDRAIL LOCATED ON A CURVE WITH A RADIUS OF LESS THAN 230 m (750 ft.) THE SPACING WILL BE SHOWN AS ON STANDARD 635001 OR LESS.

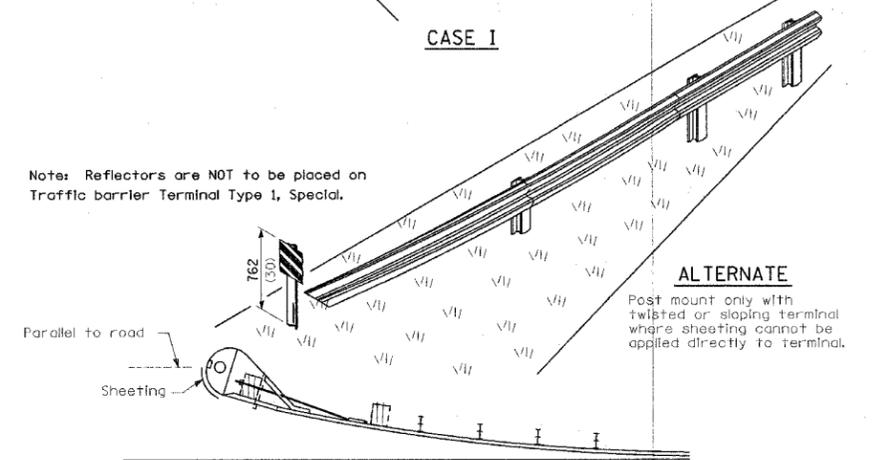
② Bidirectional silver/silver should be used in lieu of monodirectional silver on both sides of two-lane/two-way bridges where the pavement is less than 610 (24) wider than the pavement approaching the bridge.

- ◁ Monodirectional silver
- ◀ Monodirectional amber
- ◁ Terminal Marker - Black/Yellow Left or Right as appropriate

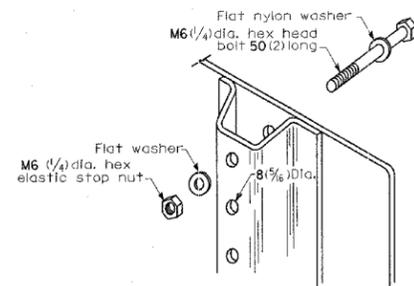
GUARDRAIL / BARRIER WALL / BRIDGE RAIL REFLECTORS



Note: Reflectors are NOT to be placed on Traffic barrier Terminal Type 1, Special.



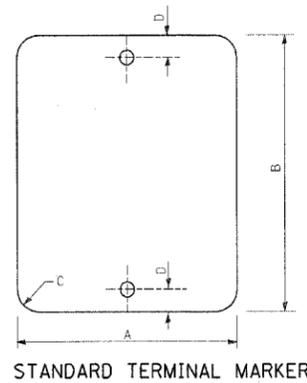
All dimensions are in millimeters (inches) unless otherwise shown.



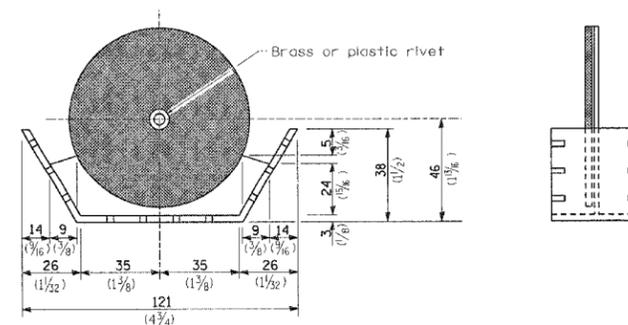
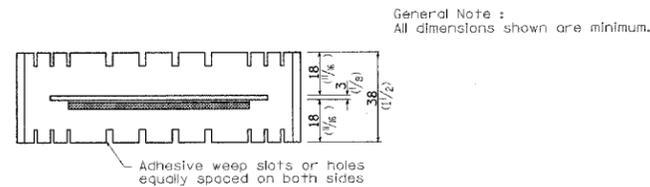
DETAIL OF MOUNTING TERMINAL MARKER TO POST

SIGN SIZE	DIMENSIONS			
	A	B	C	D
305x406 (12x16)	305 (12.0)	406 (16.0)	38 (1.5)	50 (2.0)

POST MOUNTED TERMINAL MARKER ASSEMBLY

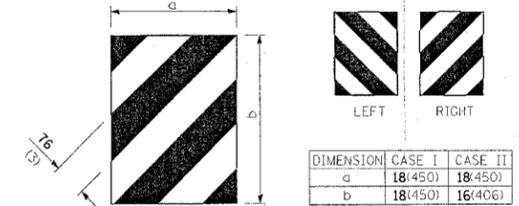


STANDARD TERMINAL MARKER



REFLECTOR MARKER, TYPE B

General Note: All dimensions shown are minimum.



TERMINAL MARKER DETAILS
Color: Black / Yellow reflectorized

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

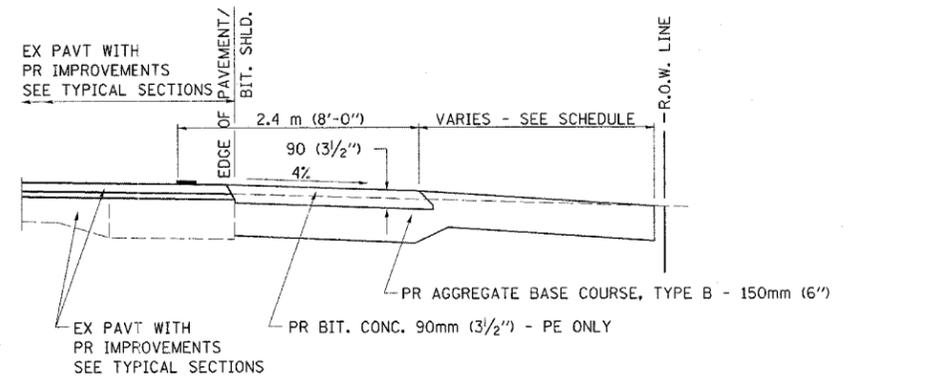
DISTRICT SIX REFLECTOR AND TERMINAL MARKER PLACEMENT

SCALE: NONE
DATE: 2/2004

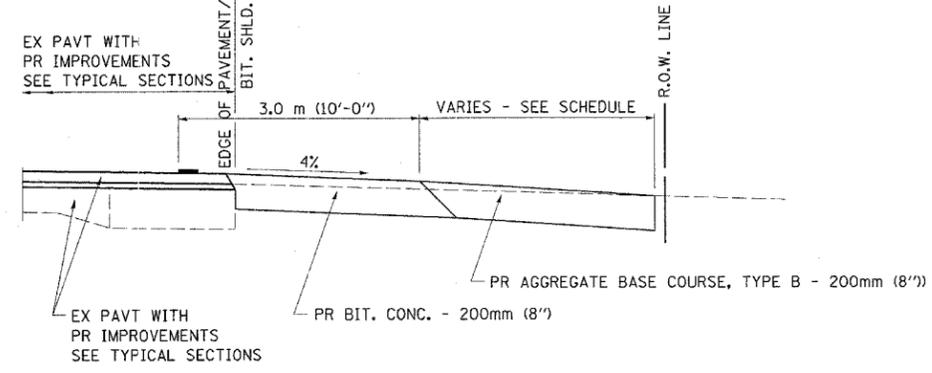
DRAWN BY D6
CHECKED BY BWC

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	139B-1	SANGAMON	39	24
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

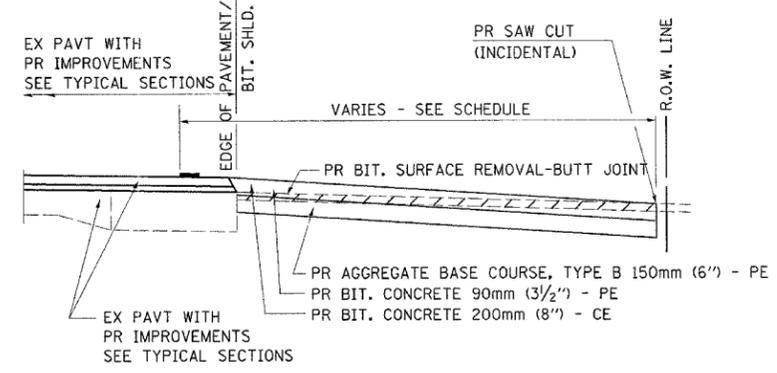
CONTRACT NO. 72689



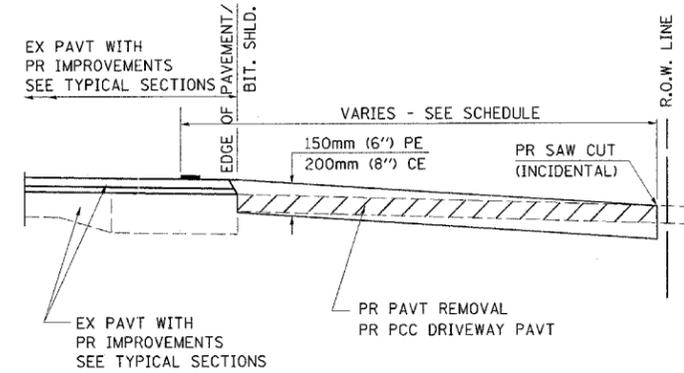
SECTION A-A FOR EX EARTH/AGGREGATE FE & PE



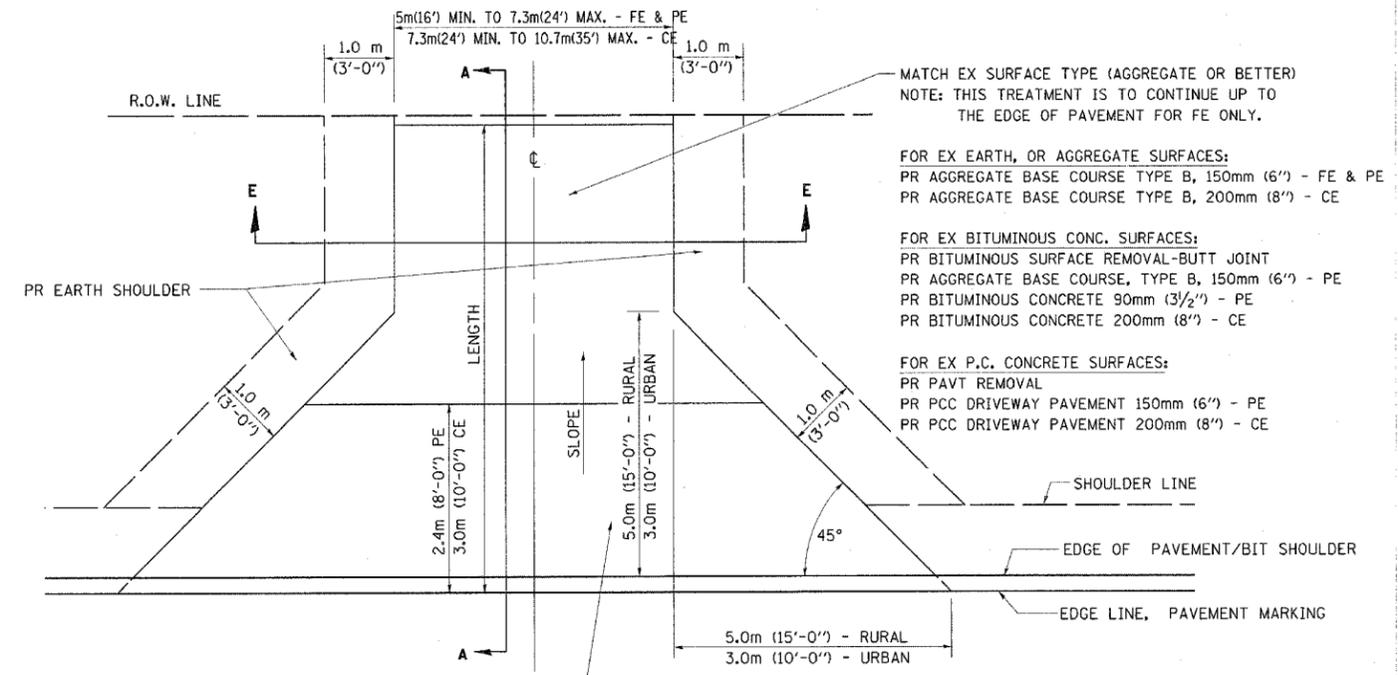
SECTION A-A FOR EX EARTH/AGGREGATE CE



SECTION A-A FOR EX BITUMINOUS PE & CE



SECTION A-A FOR EX P.C. CONC. PE & CE



FOR EX EARTH, AGGREGATE, OR BITUMINOUS CONC SURFACES:
 PR BIT SURFACE REMOVAL-BUTT JOINT (IF APPLICABLE)
 PR AGGREGATE BASE COURSE TYPE B 150mm (6'') - FE
 PR AGGREGATE BASE COURSE TYPE B, 150mm (6'') &
 PR BITUMINOUS CONCRETE 90mm (3 1/2'') - PE
 PR BITUMINOUS CONCRETE 200mm (8'') - CE

FOR P.C. CONCRETE SURFACES:
 PR PAVT REMOVAL
 PR PCC DRIVEWAY PAVT 150mm (6'') - PE
 PR PCC DRIVEWAY PAVT 200mm (8'') - CE

GENERAL NOTES:

THE RESIDENT ENGINEER WILL DETERMINE THE EXACT TYPE OF IMPROVEMENT TO BE COMPLETED FOR ALL ENTRANCES, SIDEROADS AND MAILBOX TURNOUTS ON THIS PROJECT.

THE PLAN DETAILS AND SCHEDULES SHOULD BE USED AS A GUIDE FOR THE ENGINEER TO IMPLEMENT THE FINAL DESIGN. THE ENGINEER MAY DECIDE TO SALVAGE PORTIONS OF THE EXISTING ENTRANCE PAVEMENT STRUCTURE; THEREFORE, REDUCING PAY ITEM QUANTITIES. NO ADDITIONAL PAYMENT WILL BE ALLOWED FOR THIS REDUCTION IN QUANTITIES.

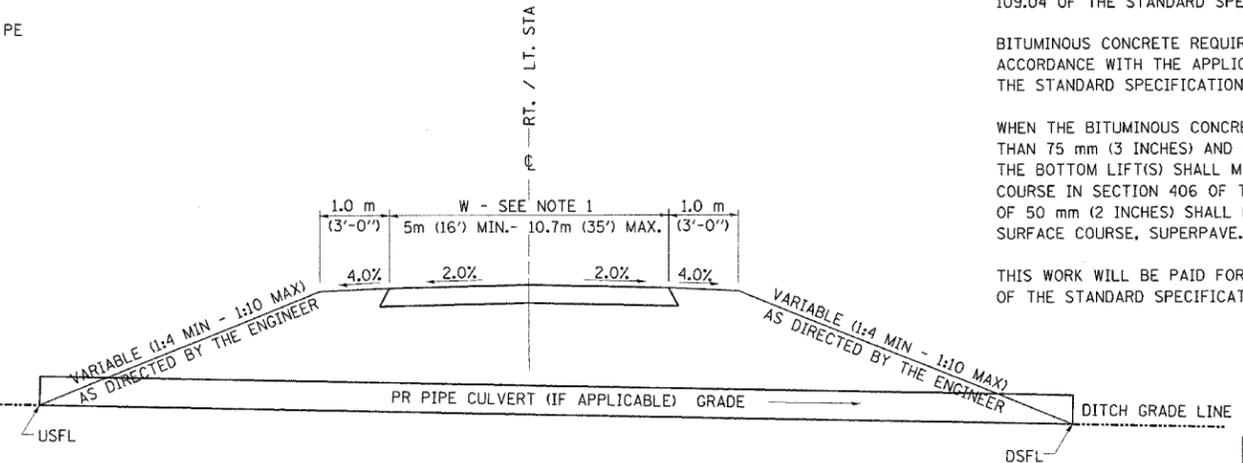
ANY WORK THE ENGINEER REQUIRES WHICH IS NOT COVERED BY A PAY ITEM CONTAINED IN THE PLANS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

BITUMINOUS CONCRETE REQUIRED TO CONSTRUCT THE ENTRANCES SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 406 AND 408 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

WHEN THE BITUMINOUS CONCRETE PROPOSED FOR THE IMPROVEMENT IS THICKER THAN 75 mm (3 INCHES) AND REQUIRE PLACEMENT IN MORE THAN ONE LIFT. THE BOTTOM LIFT(S) SHALL MEET THE REQUIREMENTS OF BITUMINOUS BASE COURSE IN SECTION 406 OF THE STANDARD SPECIFICATIONS AND THE TOP LIFT OF 50 mm (2 INCHES) SHALL MEET THE REQUIREMENTS OF BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE.

THIS WORK WILL BE PAID FOR IN ACCORDANCE WITH SECTIONS 351, 358, 408, 423 AND 440 OF THE STANDARD SPECIFICATIONS.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.



SECTION E - E ENTRANCE TYPICAL SECTION

NOTE 1: WIDTH OF ENTRANCE MAY BE INCREASED AT THE PIPE CULVERT DUE TO THE DITCHLINE BEING LOCATED IN THE ENTRANCE FLARE AREA.

REVISIONS	
NAME	DATE

SHEET 1 OF 3

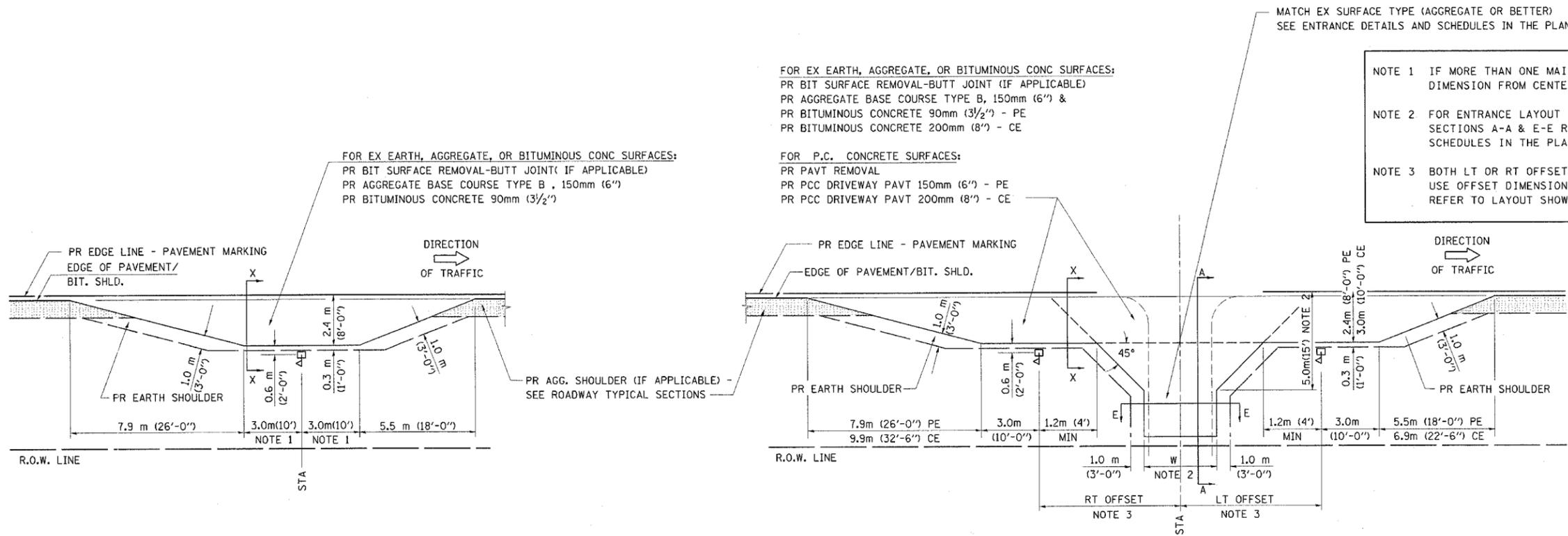
**ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT SIX
DETAILS FOR RURAL /URBAN
ENTRANCE & MAILBOX TURNOUT
W /O CONCRETE GUTTER
(3R - PROJECTS)**

SCALE: VERT. _____
 HORIZ. _____
 DATE: 2/2004

DRAWN BY D6
 CHECKED BY BWC

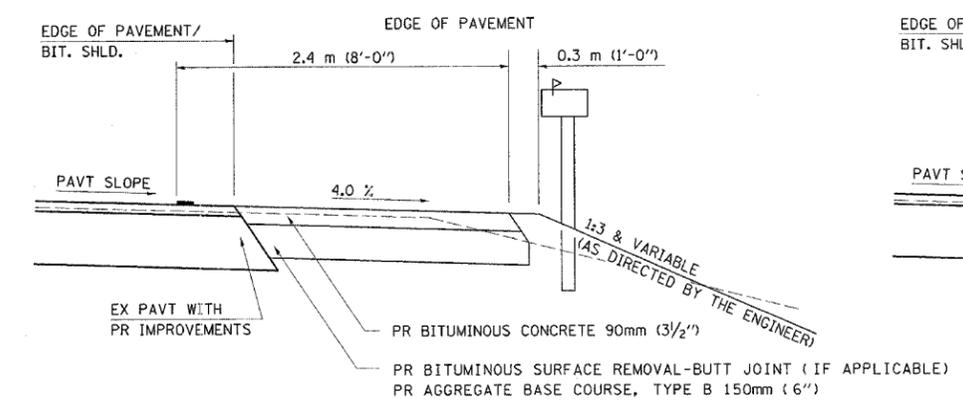
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	139B-1	SANGAMON	39	25
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

DETAILS OF MAILBOX TURNOUTS

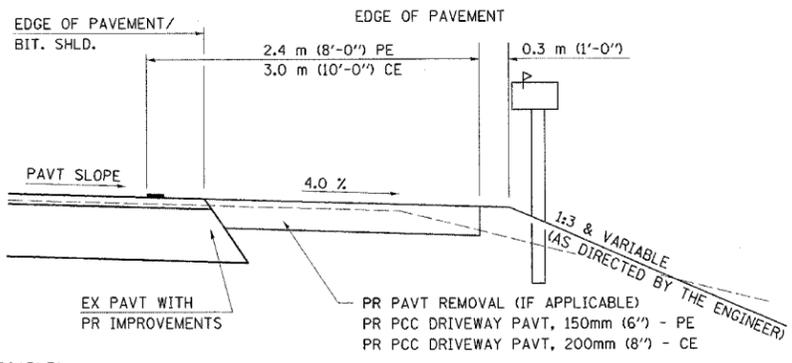


PLAN - MAILBOX TURNOUTS

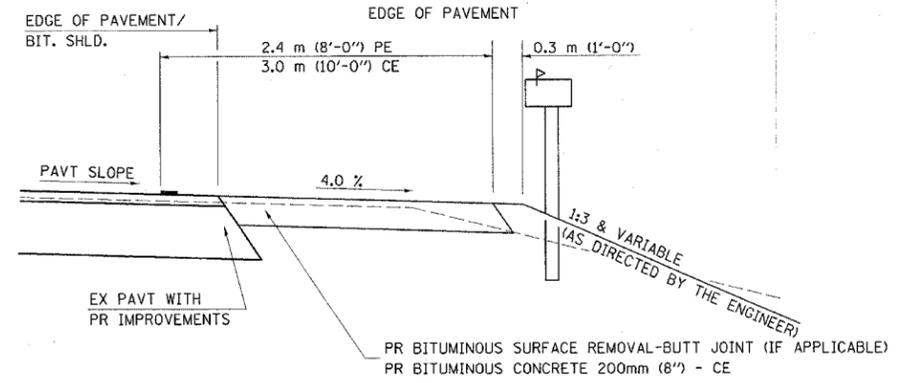
PLAN - COMBINED MAILBOX TURNOUT WITH TRAILING OR LEADING ENTRANCE



SECTION X-X THRU MAILBOX TURNOUT ALSO APPLIES TO MAILBOX TURNOUTS COMBINED WITH EX EARTH, AGGREGATE, OR BITUMINOUS PE & FE



SECTION X-X THRU MAILBOX TURNOUT COMBINED WITH EX CONC PE OR CE



SECTION X-X THRU MAILBOX TURNOUT COMBINED WITH EX EARTH, AGGREGATE, OR BITUMINOUS CE

NOTE 1 IF MORE THAN ONE MAILBOX IS PRESENT, DIMENSION FROM CENTER OF END MAILBOX.

NOTE 2 FOR ENTRANCE LAYOUT DIMENSIONS AND SECTIONS A-A & E-E REFER TO THE SCHEDULES IN THE PLANS.

NOTE 3 BOTH LT OR RT OFFSETS FOR MAILBOX SHOWN USE OFFSET DIMENSION PER SCHEDULE AND REFER TO LAYOUT SHOWN ON THE PLAN.

REVISIONS	
NAME	DATE

SHEET 2 OF 3

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT SIX

DETAILS FOR RURAL /URBAN

ENTRANCE & MAILBOX TURNOUT

W /O CONCRETE GUTTER

(3R - PROJECTS)

SCALE: VERT. DRAWN BY D6
 HORIZ. CHECKED BY BWC
 DATE: 2/2004

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	139B-1	SANGAMON	39	26
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

ENTRANCE IMPROVEMENT SCHEDULE FOR RURAL / URBAN "3R" PROJECTS

LOCATION (LT / RT) (STA) (+)	TYPE OF ENTRANCE (FE / PE / CE / MB) (RURAL / URBAN)	EX MATERIAL TYPE (EARTH / AGG. / BIT. / P.C.C.)	WIDTH FOOT	RT OFFSET FOOT	LT OFFSET FOOT	LENGTH (FROM EDGE OF PVT/ BIT SHLD TO LIMITS OF IMPROVEMENT) FOOT	PR BIT. CONC. THICKNESS INCH	BIT. SURF. REM. - BUTT JOINT SQ. YD.	DRIVEWAY PAVEMENT REMOVAL SQ. YD.	PREP OF BASE SQ. YD.	AGG. BASE REPAIR TON	AGGREGATE BASE COURSE TY - B TON	BIT (P.C.) TON	AGG (P.C.) TON	INCIDENTAL BIT. SURF. TON	P. C. C. DRIVEWAY PAVEMENT 6" SQ. YD.	P. C. C. DRIVEWAY PAVEMENT 8" SQ. YD.
LT 229+85.00	FE	AGG	16			112' ALONG LANE						70					
LT 230+75.00	FE	AGG	TO BE RELOCATED														
LT 234+95.00	CE	PCC	32			19			108								73
LT 235+33.00	CE	PCC	32			19			113								73
LT 236+17.00	FE	AGG	16			7						6					
TOTAL =									221			76					146

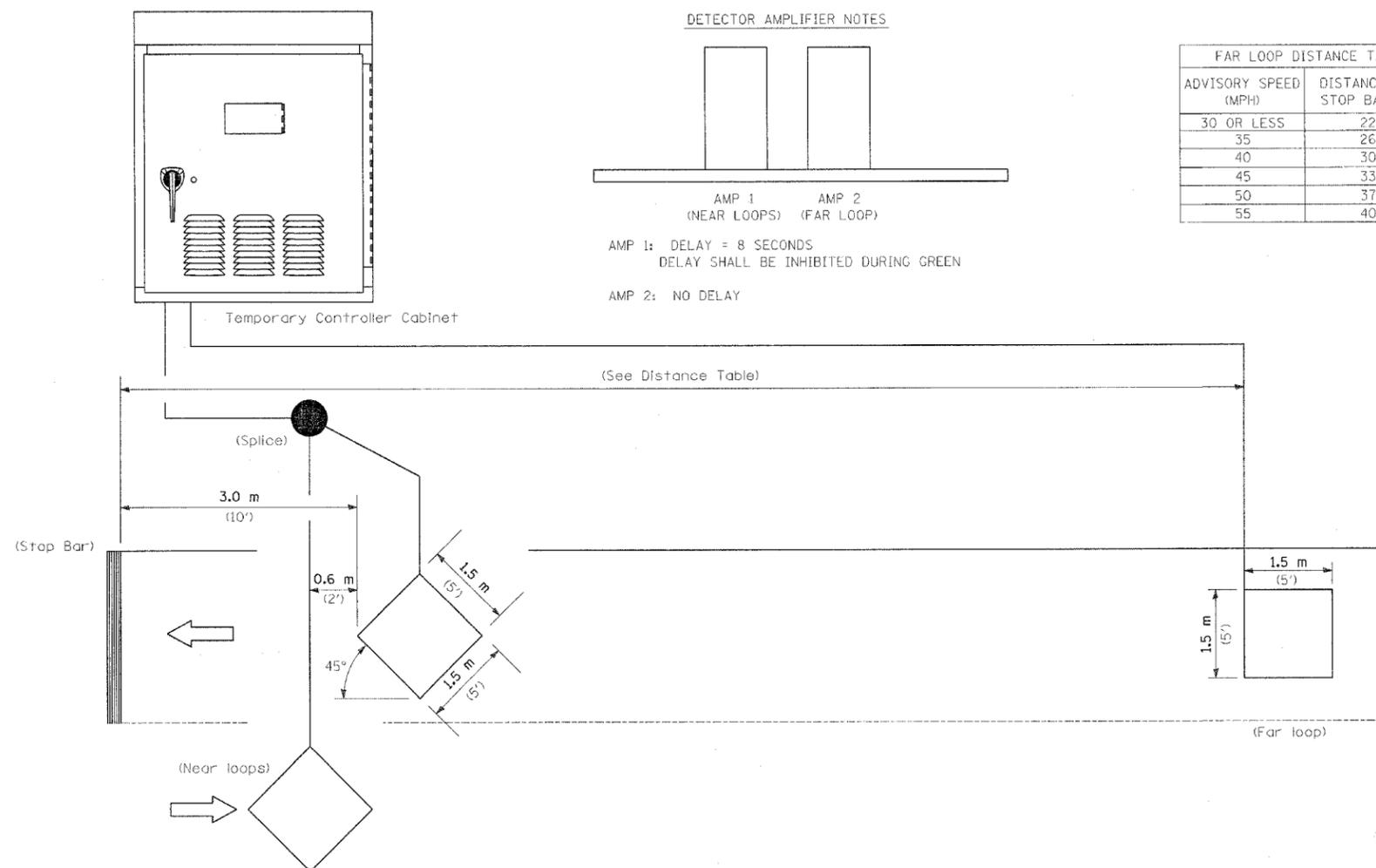
SHEET 3 OF 3

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT SIX
SCHEDULES FOR RURAL / URBAN
ENTRANCE & MAILBOX TURNOUT
W /O CONCRETE GUTTER
(3R - PROJECTS)

SCALE: VERT. DRAWN BY D6
 HORIZ. CHECKED BY BWC
 DATE: 2/2004

FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP	139B-1	SANGAMON	39	27
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



NOTE: All loops centered in lane.

INDUCTION LOOP DETECTOR

PLOT DATE = 1/6/2007
 PLOT SCALE = 20.00
 USER NAME = Joughlin

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TEMPORARY BRIDGE TRAFFIC SIGNAL
 LOOP PLACEMENT DETAIL SHEET

SCALE: VERT.
 HORIZ.
 DATE JUNE 16, 2004

DRAWN BY KDA
 CHECKED BY

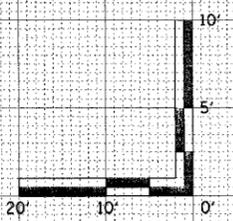
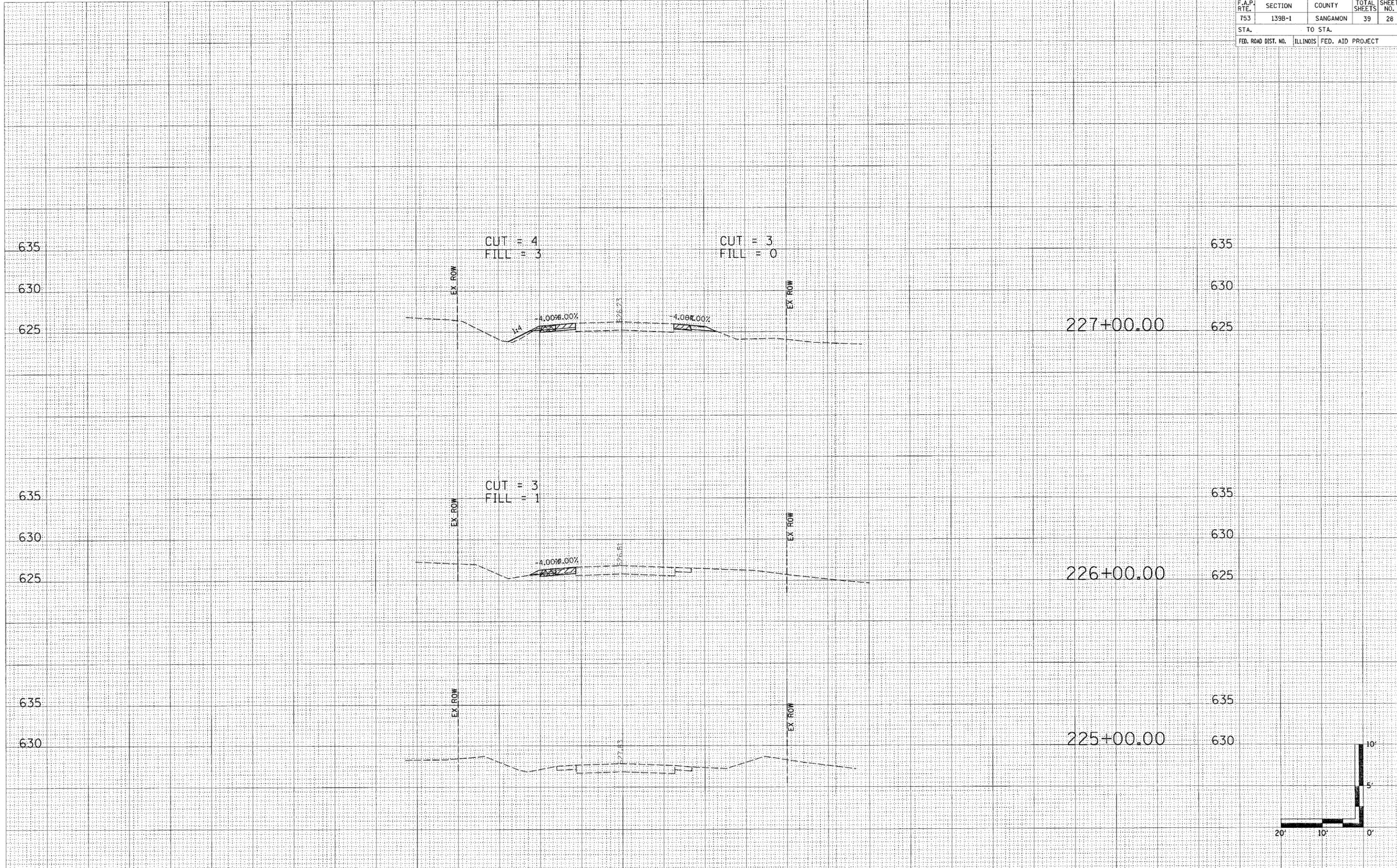
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	1398-1	SANGAMON	39	28
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130

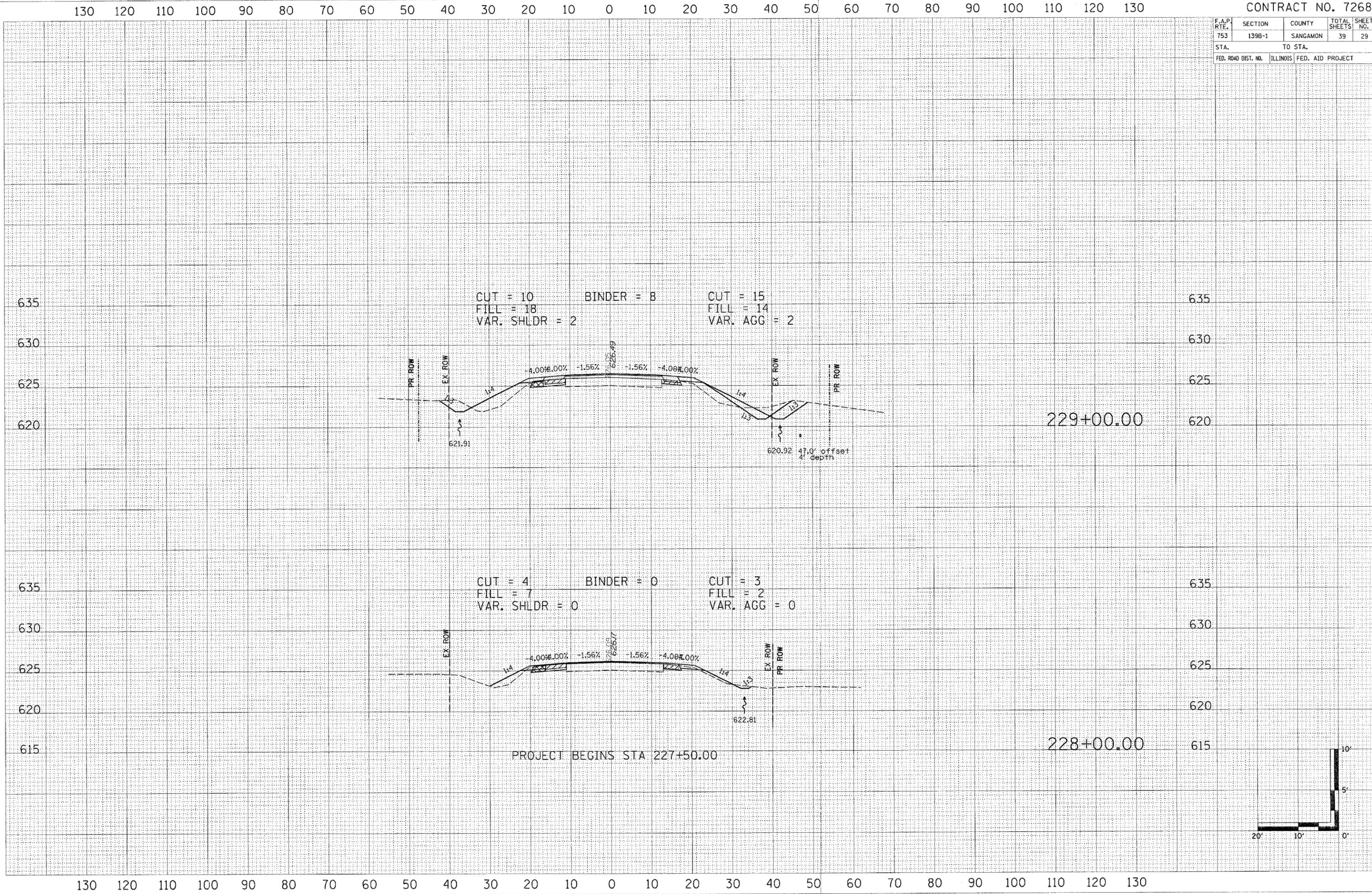
130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130

DESIGNED	APPROVED
SUPPLY	PLOTTED
NOTE BOOK	TEMPLATE
AREAS	CHECKED
NO.	

DESIGNED	APPROVED
SUPPLY	PLOTTED
NOTE BOOK	TEMPLATE
AREAS	CHECKED
NO.	

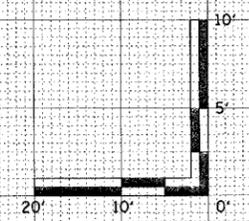


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	139B-1	SANGAMON	39	29
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



FILE NO.	DATE

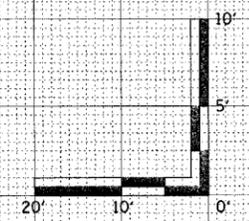
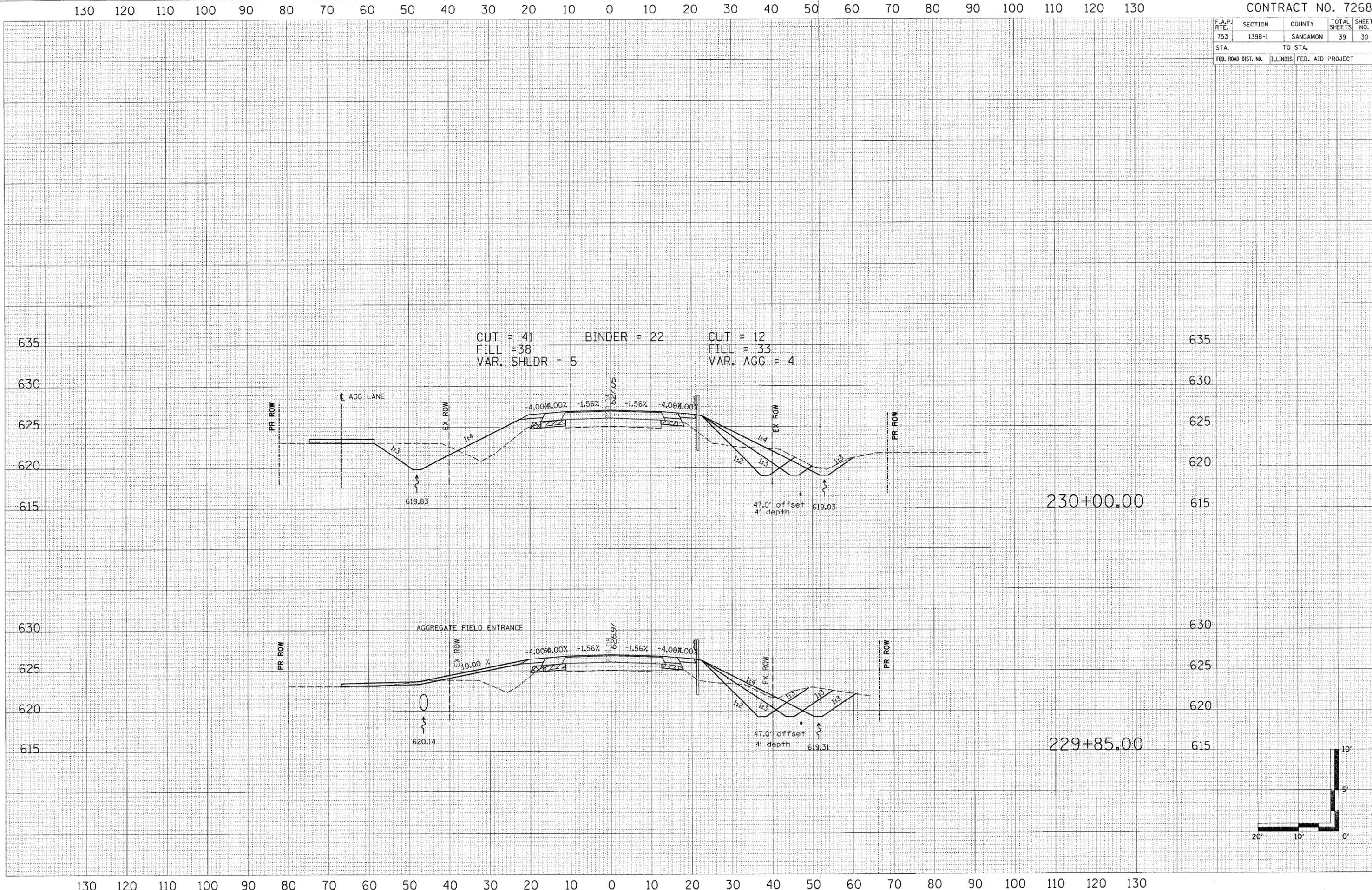
DATE	BY



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	139B-1	SANGAMON	39	30
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DESIGNED	CHECKED
DRAWN	APPROVED
DATE	

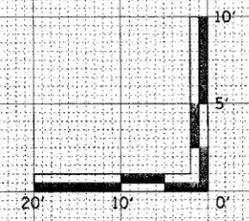
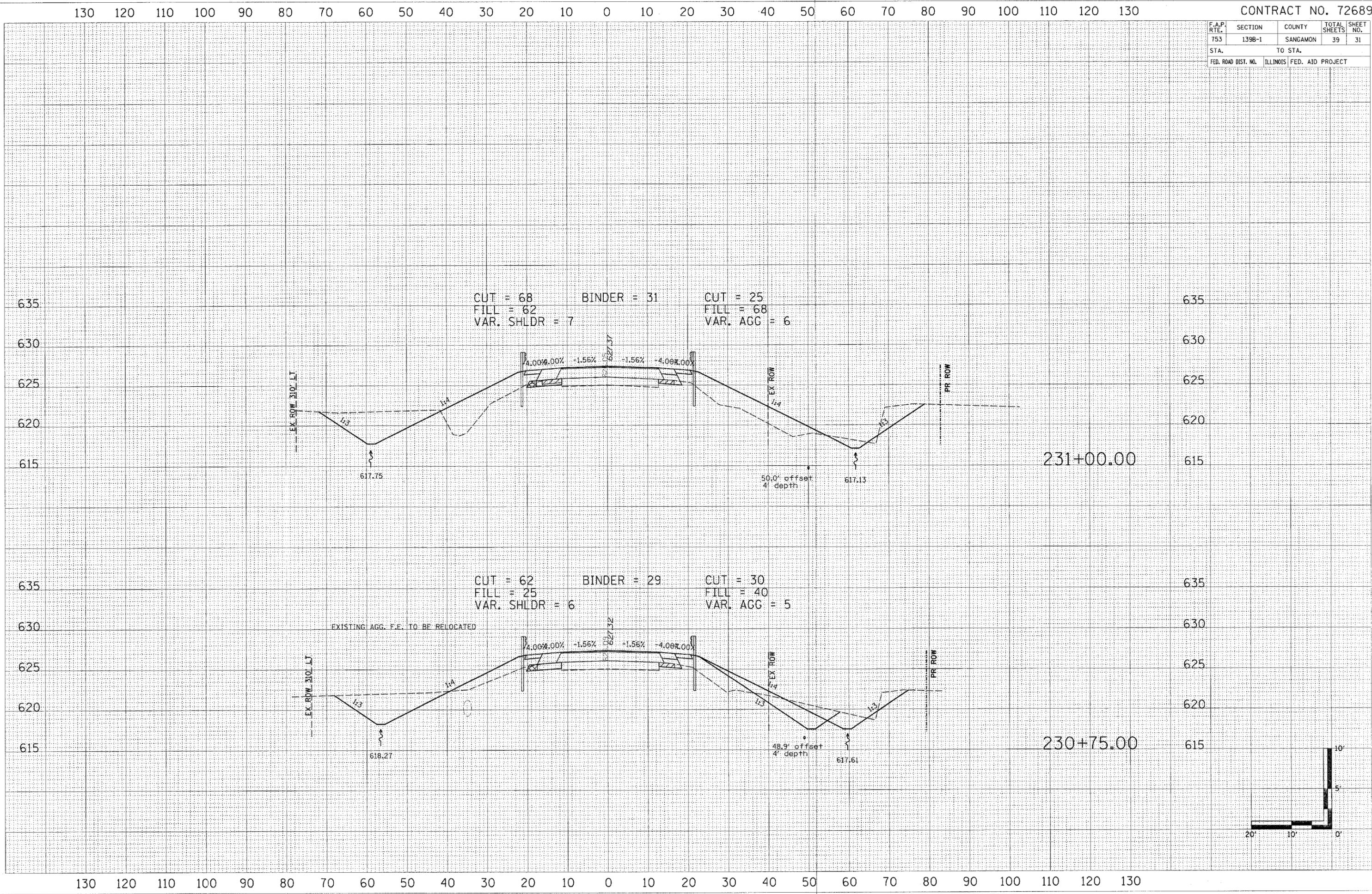
DESIGNED	CHECKED
DRAWN	APPROVED
DATE	



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	1398-1	SANGAMON	39	31
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

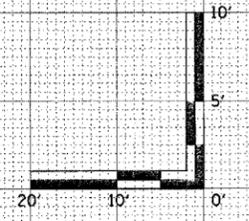
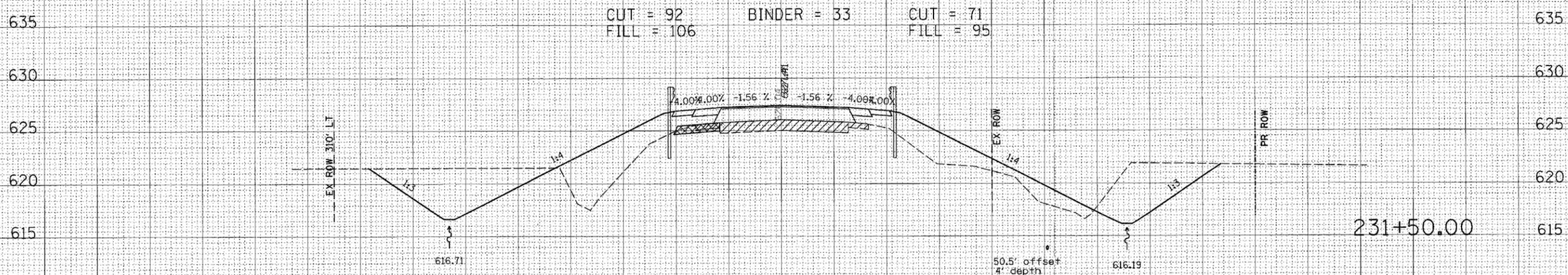
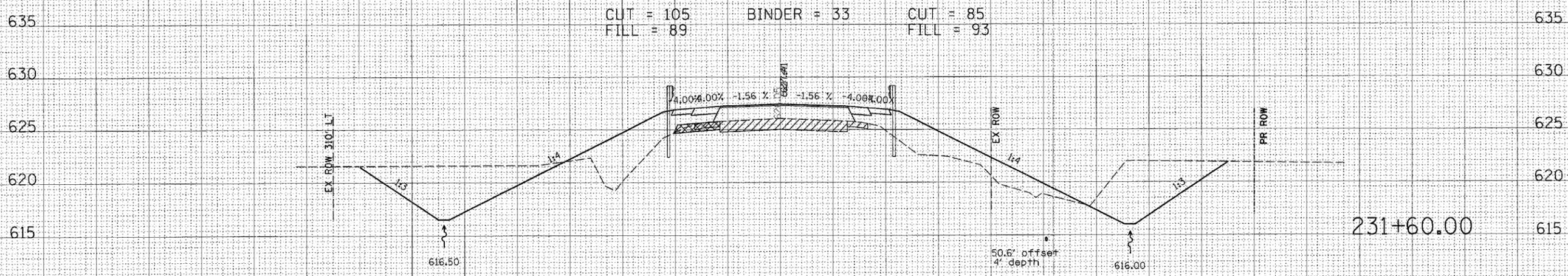
SURVEY NO. _____
 PLOTTED _____
 TEMPLATE _____
 NOTE BOOK _____
 AREAS _____
 SHEETS ORDERED _____

SURVEY NO. _____
 PLOTTED _____
 TEMPLATE _____
 NOTE BOOK _____
 AREAS _____
 SHEETS ORDERED _____



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	139B-1	SANGAMON	39	32
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130



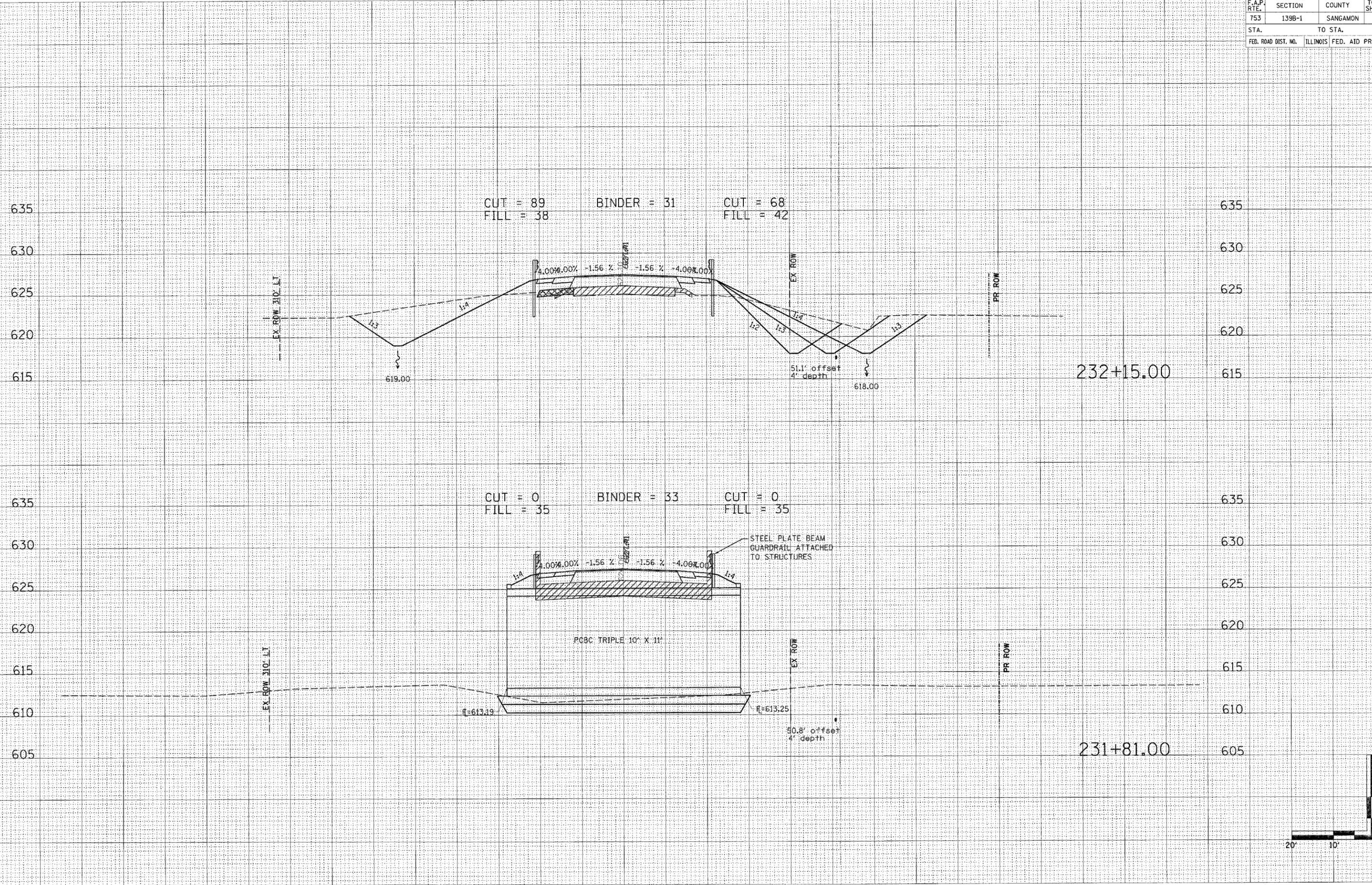
130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130

DATE: _____
DRAWN BY: _____
CHECKED BY: _____
NO. _____

DATE: _____
DRAWN BY: _____
CHECKED BY: _____
NO. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	139B-1	SANGAMON	39	33
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130



CUT = 89
FILL = 38

BINDER = 31

CUT = 68
FILL = 42

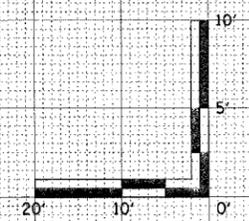
CUT = 0
FILL = 35

BINDER = 33

CUT = 0
FILL = 35

232+15.00

231+81.00

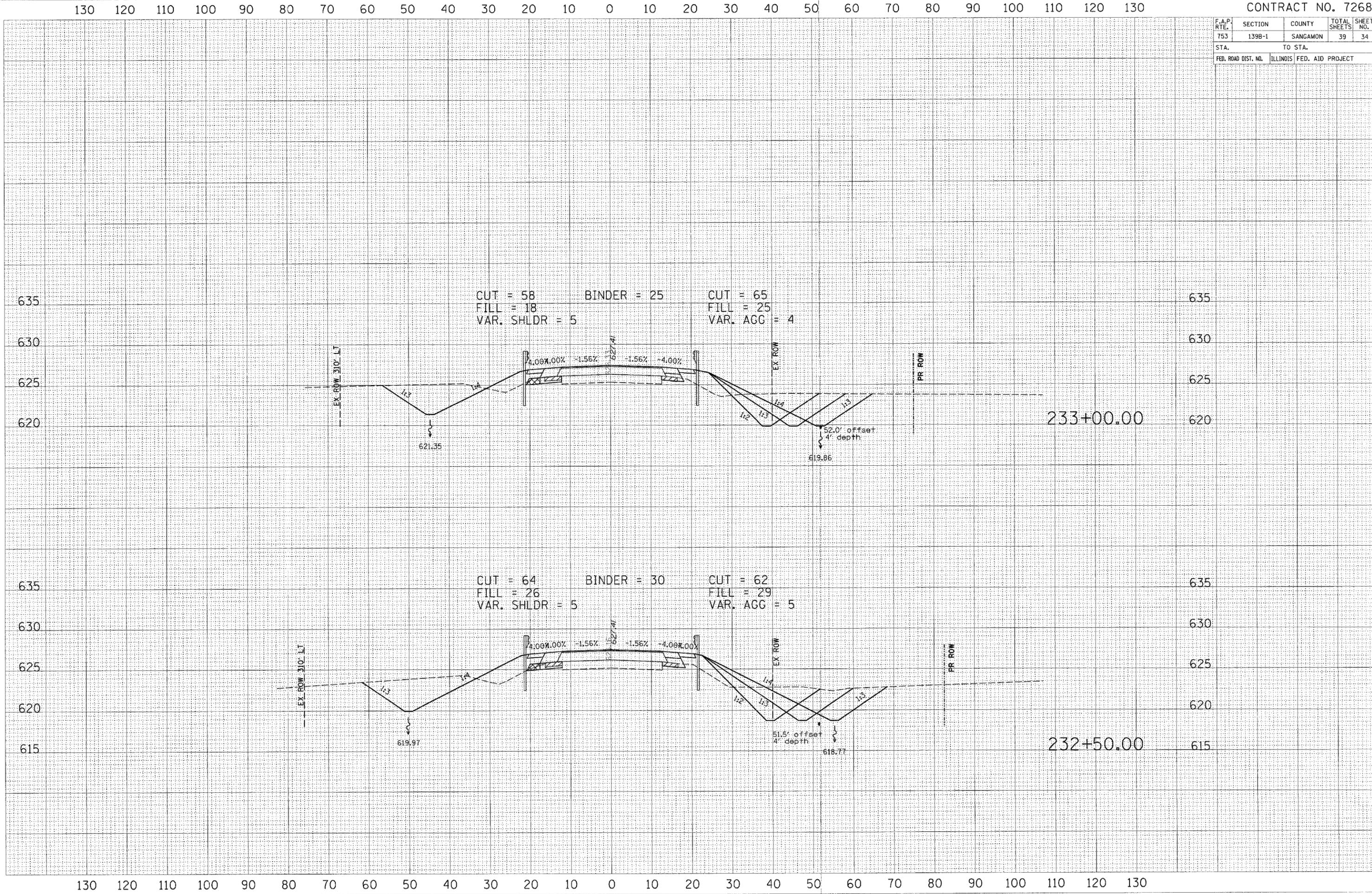


DESIGNED	CHECKED
DRAWN	NOTED
DATE	NO.

DESIGNED	CHECKED
DRAWN	NOTED
DATE	NO.

130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130

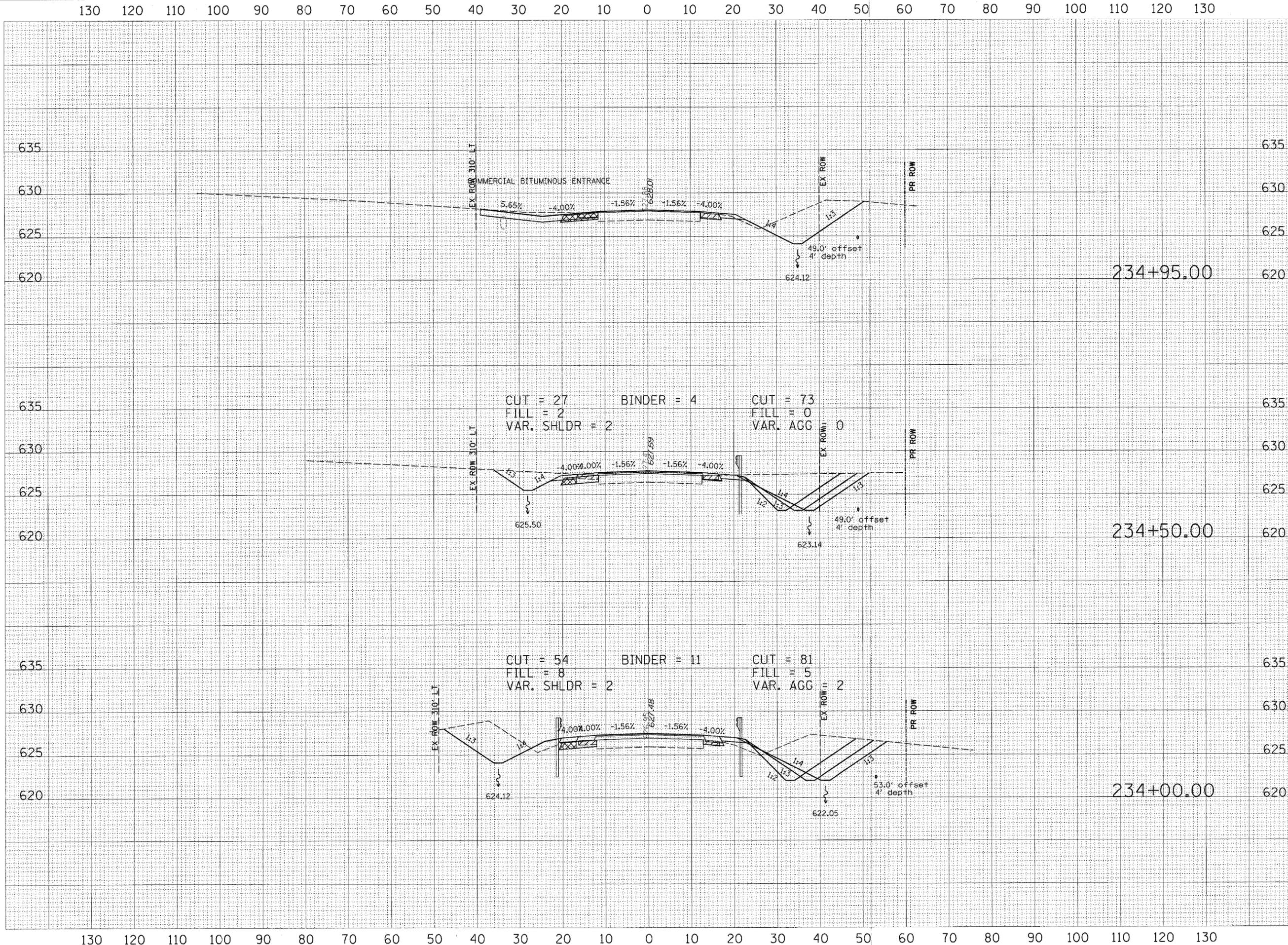
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	139B-1	SANGAMON	39	34
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



CHECKED
 SURVEY
 PLOTTED
 NOTE BOOK
 NO.

CHECKED
 SURVEY
 PLOTTED
 NOTE BOOK
 NO.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	1398-1	SANGAMON	39	35
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



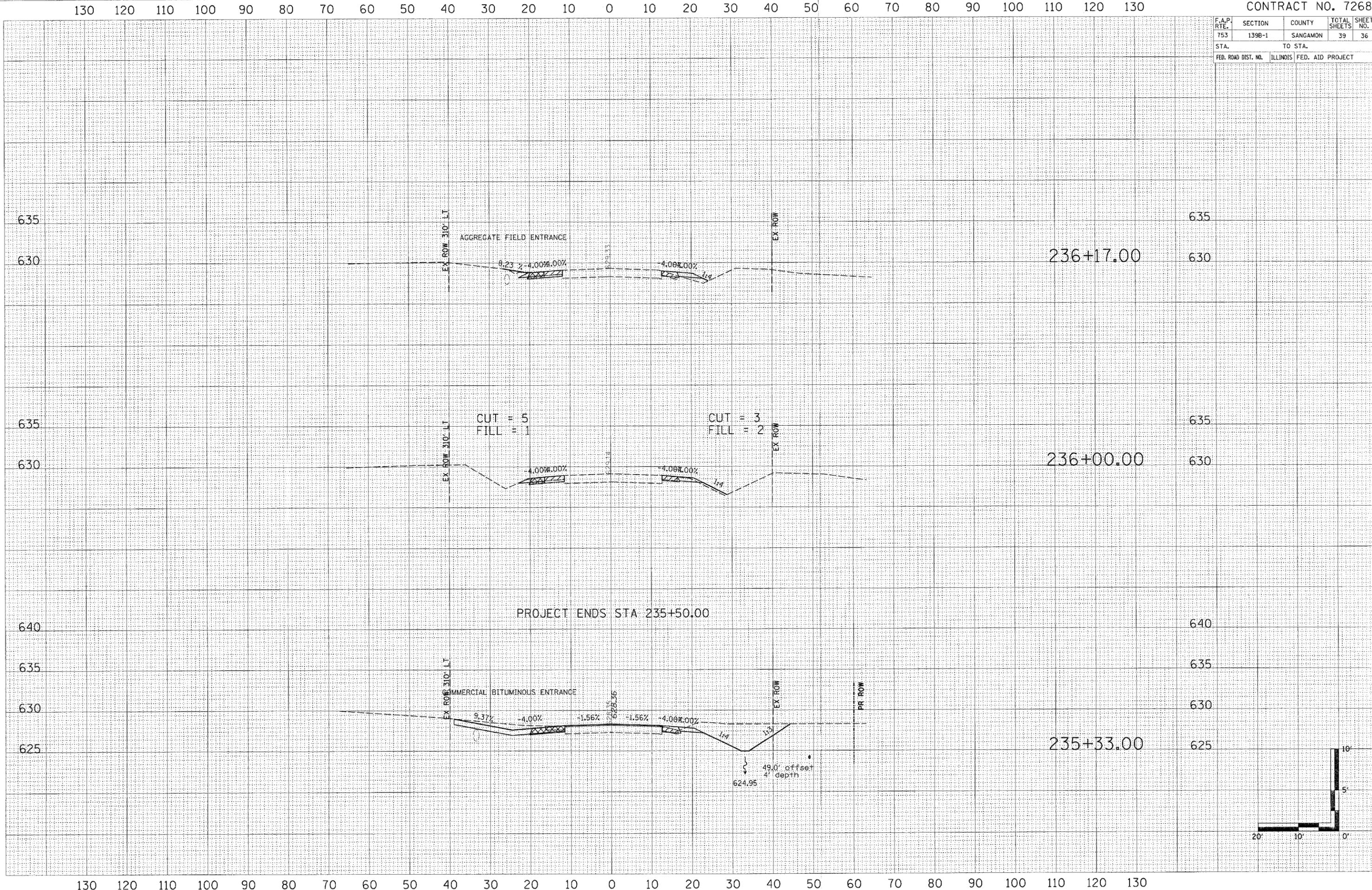
CUT = 27 BINDER = 4 CUT = 73
 FILL = 2 VAR. SHLDR = 2 FILL = 0
 VAR. AGG = 0

CUT = 54 BINDER = 11 CUT = 81
 FILL = 8 VAR. SHLDR = 2 FILL = 5
 VAR. AGG = 2

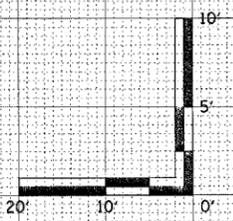
STARTED	DATE
SUBMIT	DATE
PLOTTED	DATE
TEMPLATE	DATE
NOTE BOOK	NO.
AREAS	CHECKED
AREAS	CHECKED

STARTED	DATE
SUBMIT	DATE
PLOTTED	DATE
TEMPLATE	DATE
NOTE BOOK	NO.
AREAS	CHECKED
AREAS	CHECKED

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	139B-1	SANGAMON	39	36
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PROJECT ENDS STA 235+50.00

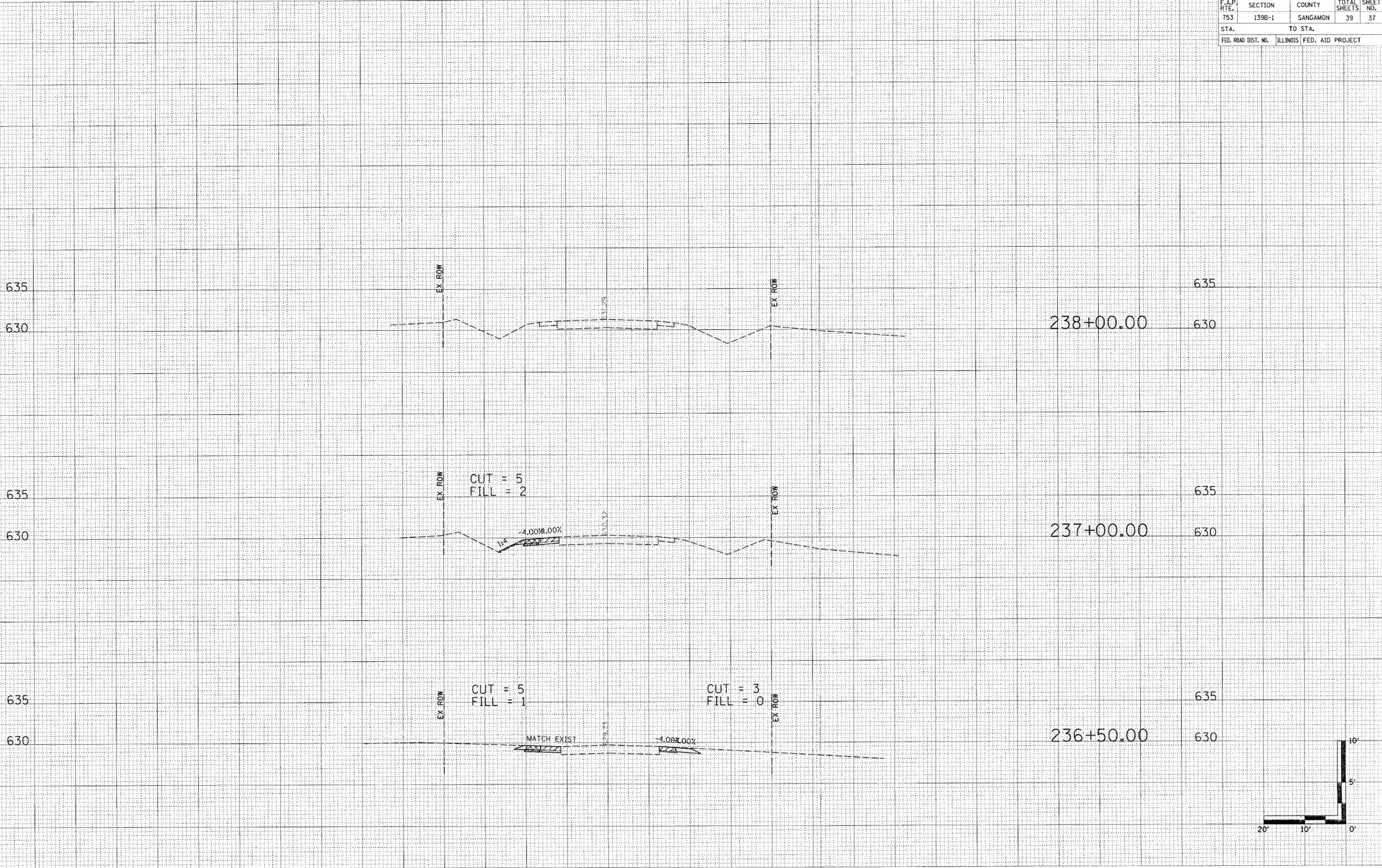


DATE	BY	REVISION

DATE	BY	REVISION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	139B-1	SANGAMON	39	37
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

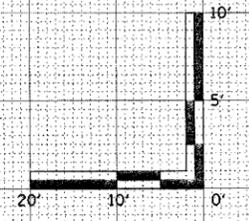
130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130



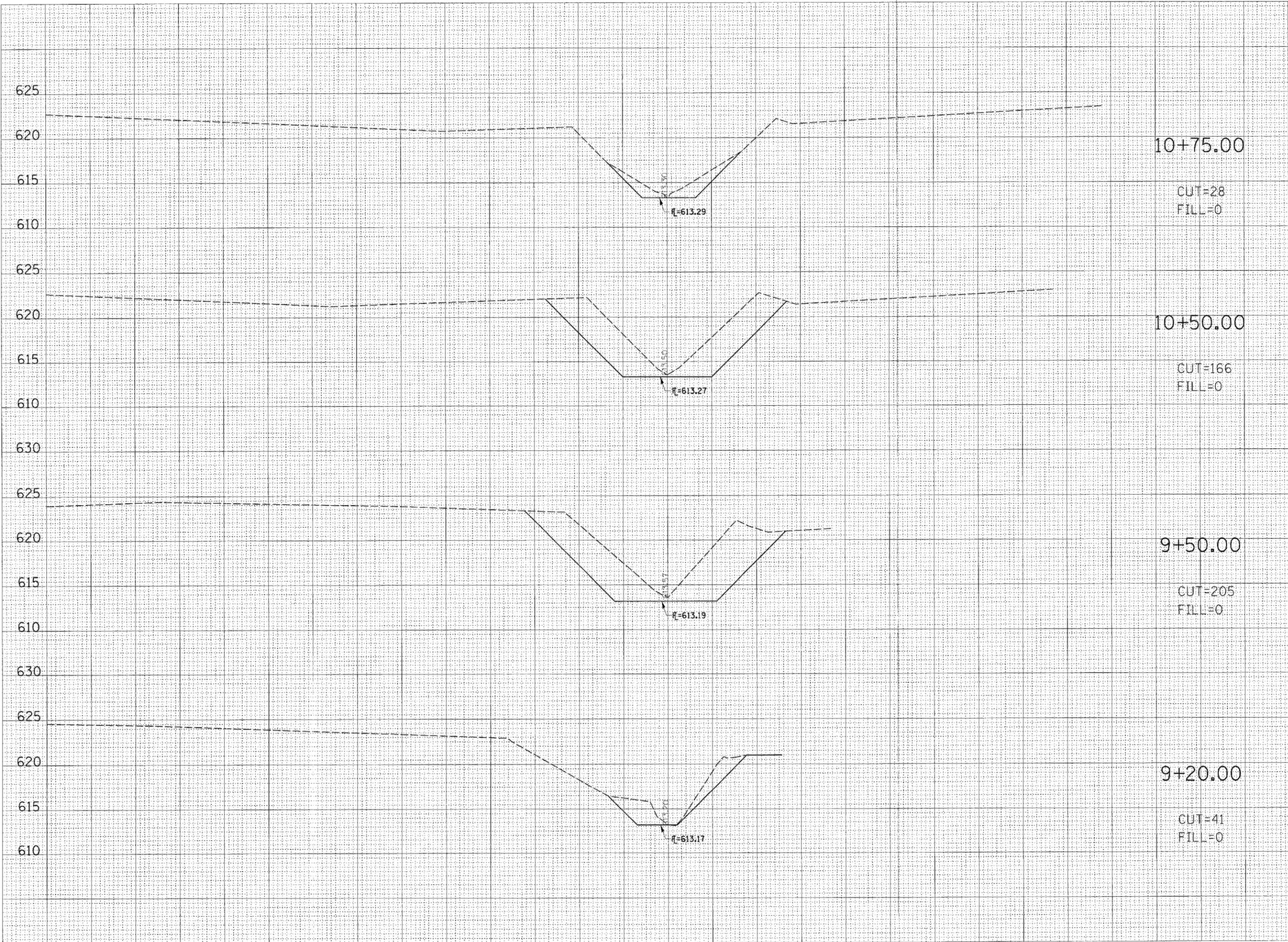
130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130

DATE: _____
 SURVEY: _____
 NOTE BOOK: _____
 NO.: _____

DATE: _____
 SURVEY: _____
 NOTE BOOK: _____
 NO.: _____



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	139B-1	SANGAMON	39	38
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



10+75.00

CUT=28
FILL=0

10+50.00

CUT=166
FILL=0

9+50.00

CUT=205
FILL=0

9+20.00

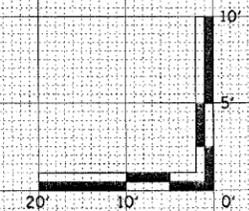
CUT=41
FILL=0

E=613.29

E=613.27

E=613.19

E=613.17



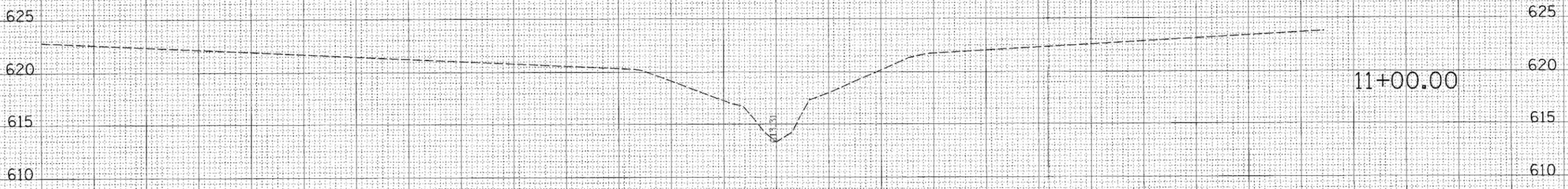
DATE: _____
 DRAWN BY: _____
 CHECKED BY: _____
 NO. _____

DATE: _____
 DRAWN BY: _____
 CHECKED BY: _____
 NO. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	1398-1	SANGAMON	39	39
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130

130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 CHANNEL CROSS SECTIONS



PLOT
 SURVEY
 NOTE BOOK
 NO.

SURVEYED
 PLOTTED
 TEMP. AT
 AREAS
 CHECKED

PLOT
 SURVEY
 NOTE BOOK
 NO.

SURVEYED
 PLOTTED
 TEMP. AT
 AREAS
 CHECKED

