

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1573	102B-2	SANGAMON	34	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 72999		

# INDEX OF SHEETS

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# STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

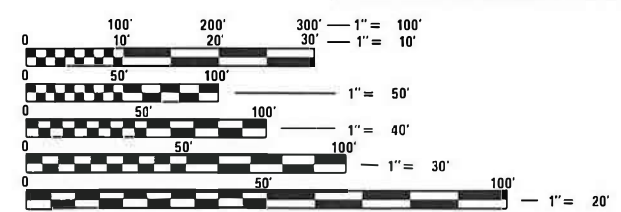
## PLANS FOR PROPOSED FEDERAL AID HIGHWAY

### F.A.S. ROUTE 1573 (IL 123) OVER RICHLAND CREEK SECTION 102B-2 PROJECT STP - XZ9T(937) STRUCTURE REPLACEMENT SANGAMON COUNTY C - 96 - 105 - 09

## IDOT HIGHWAY STANDARDS

000001-08	542401-04	701011-04	781001-04
001001-02	606101-05	701301-04	BLR 21-9
001006	666001-01	701306-04	701201-05
280001-07	667101-02	701311-03	
482011-03	701001-02	701901-08	
515001-04	701006-05	780001-05	

STA. 217 + 20.00, 0° SKEW  
PROJECT INCLUDES REMOVAL OF  
THE EXISTING SINGLE SPAN REINFORCED  
CONCRETE SLAB BRIDGE; 32'-0" BK. TO BK.  
OF ABUTMENT, 42'-6" OUT TO OUT WIDTH  
(EX. SN 084-0090)  
THE PROPOSED STRUCTURE IS A DOUBLE  
PRE-CAST 10' X 10' BOX CULVERT WITH  
CAST IN PLACE END SECTIONS  
(PR. SN 084-2522)



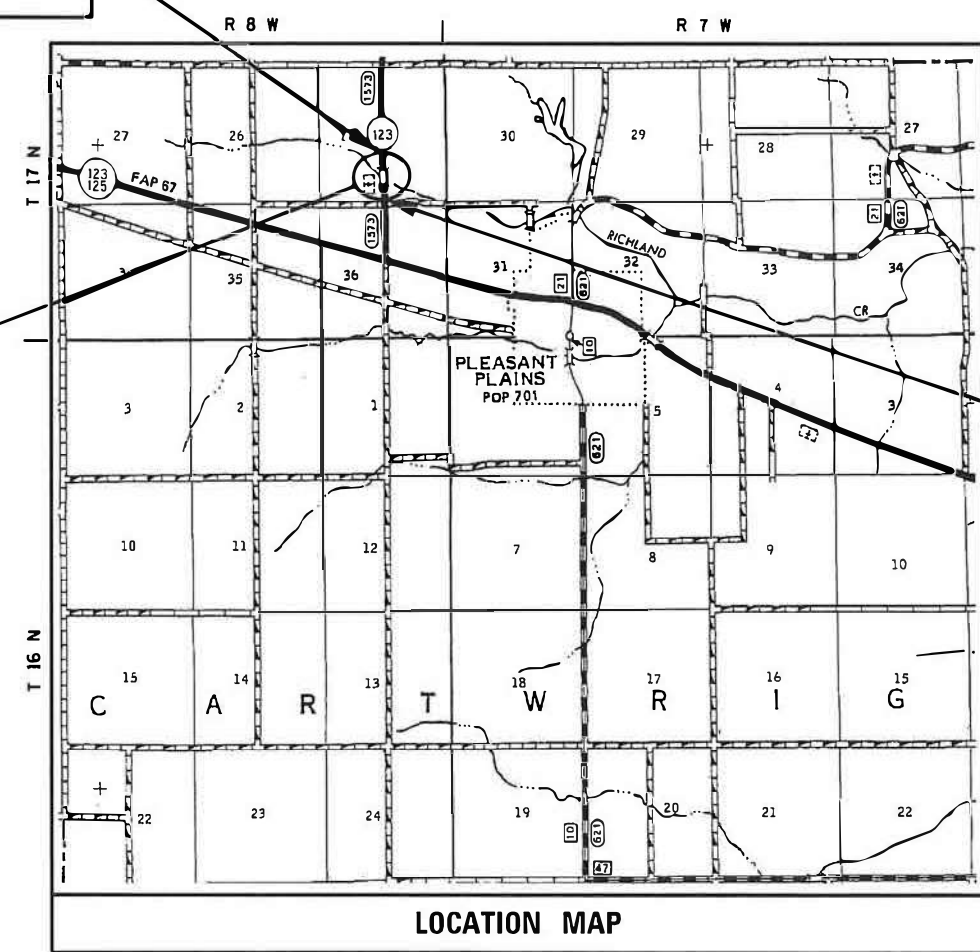
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD  
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT  
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS  
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

**TRAFFIC DATA**  
FAS 1573 (IL 123)  
EXISTING ADT = 1,200 (2019)  
%SU = 5%  
%MU = 7.5%  
CARTWRIGHT TOWNSHIP  
FUNCTIONAL CLASSIFICATION: MAJOR COLLECTOR

CALL **J.U.L.I.E.** (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS)  
48 Hours (2 working days) Before You Dig.  
TOLL FREE: 1 (800) 892-0123 OR 811

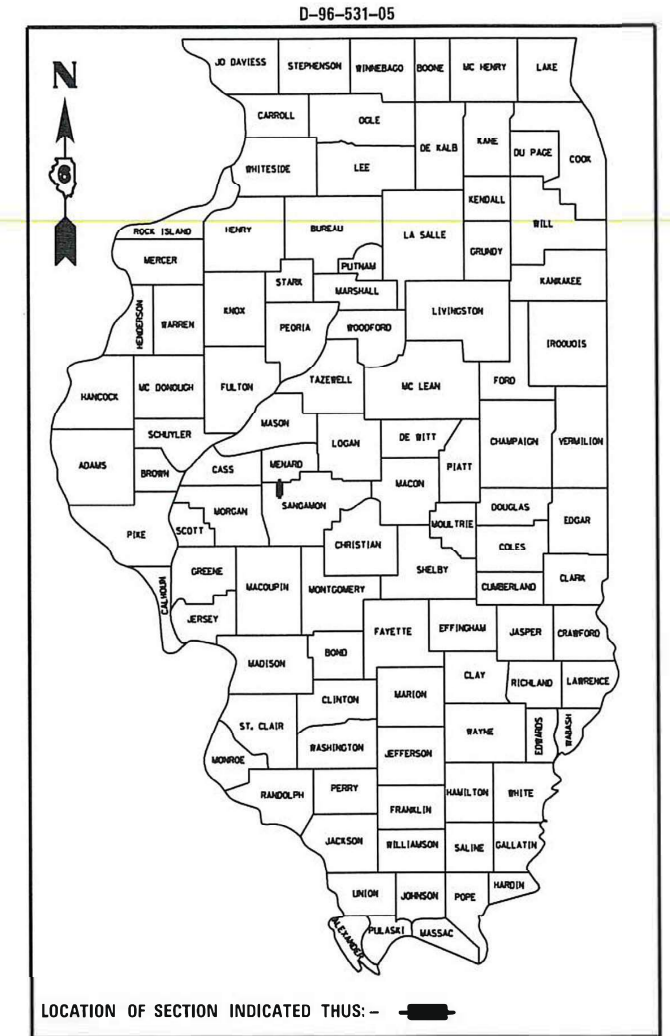
**PROJECT ENGINEER: JAY WAVERING (217) 785-9046**  
**PROJECT MANAGER: VICTOR YOUNG (217) 557-7897**  
**CONTRACT NO. 72999**

BEGIN IMPROVEMENTS  
STA. 215 + 70



END IMPROVEMENTS  
STA. 219 + 00

APPROXIMATE SCALE: 0 1 2 MILES  
NET LENGTH OF IMPROVEMENT = 330.00 FEET (0.063 MILES)



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED October 9, 2020

*Jay P. Myer* REGION FOUR ENGINEER

January 29, 2021

*Scott A. Etkin*  
ENGINEER OF DESIGN AND ENVIRONMENT

January 29, 2021

*James M. Jones*  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

**PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS**



*Christopher P. Korb* 10/7/20  
EXPIRATION: 11/30/2021

**V&K** **Veenstra & Kimm, Inc.**  
Springfield, IL. Phone: (217)544-8033  
IL. Design Firm No. 184-001939

**GENERAL NOTES**

1. ALL ELEVATIONS SHOWN ON THE PLANS ARE ESTABLISHED FROM U.S.G.S. MEAN SEA LEVEL DATUM.
2. WHERE SECTION OR SUBSECTION MONUMENTS 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 SURVEYOR, OR AGENT, HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
4. TREES NOT MARKED FOR REMOVAL SHALL BE CONSIDERED AS DESIGNATED TO BE SAVED AND SHALL BE PROTECTED UNDER THE PROVISIONS OF ARTICLE 201.05.
5. BEFORE ORDERING PIPE CULVERTS OR PIPE DRAINS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT LENGTHS.
6. ALL EXISTING FENCE WITHIN THE PROPOSED RIGHT-OF-WAY SHALL BE REMOVED. THE COST OF THE FENCE REMOVAL WILL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
7. THE FOLLOWING APPLICATION RATES WERE USED FOR QUANTITY CALCULATIONS.

COMPACTED AGGREGATE TYPE A	1.80 TON / CU YD
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	112 LB/SO. YD. /INCH
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	112 LB/SO. YD./INCH
HOT-MIX ASPHALT SHOULDER	112 LB/SO. YD./INCH
INCIDENTAL BITUMINOUS SURFACE	112 LB/SO. YD./INCH
BITUMINOUS MATERIAL (TACK COAT)	0.05 LB / SO FT
BITUMINOUS MATERIAL (FOG COAT BETWEEN HMA LIFTS)	0.025 LB / SO FT
NITROGEN	90 LBS / ACRE
PHOSPHOROUS	90 LBS / ACRE
POTASSIUM	90 LBS / ACRE
MULCH	2 TON / ACRE
AGRICULTURAL GROUND LIMESTONE	2.0 TON / ACRE
TEMPORARY EROSION CONTROL SEEDING	100 LB / ACRE
RIPRAP	1.50 TON / CU YD
AGGREGATE SHOULDERS TYPE B	1.60 TON / CU YD

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT.

MIXTURE USE(S):	SURFACE	INCIDENTAL SURFACE	BINDER COURSE	SHOULDERS (TOP LIFT)	BASE COURSE/SHOULDERS (LOWER LIFTS)
PG	PG 64-22	PG 64-22	PG 64-22	PG 58-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ N DESIGN = 50	4.0% @ N DESIGN = 50	4.0% @ N DESIGN = 50	4.0% @ N DESIGN = 30	4.0% @ N DESIGN = 50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 9.5	9.5 OR 12.5	IL 9.5FG	IL 19.0	IL 19.0
FRICTION AGGREGATE	MIX "C"	MIX "C"	N/A	MIX "C"	N/A
QUALITY MANAGMENT	QC/OA	QC/OA	QC/OA	QC/OA	QC/OA
SUBLOT SIZE	N/A	N/A	N/A	N/A	N/A

**COMMITMENTS**

TREES EQUAL TO OR GREATER THAN 3 INCHES IN DIAMETER SHALL NOT BE REMOVED BETWEEN APRIL 1 AND SEPTEMBER 30 OF ANY GIVEN YEAR.

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
DISTRICT 6**

EXAMINED September 24 2020

*[Signature]*  
ENGINEER OF OPERATIONS

EXAMINED October 1 2020

*[Signature]*  
ENGINEER OF PROJECT IMPLEMENTATION

EXAMINED September 30 2020

*[Signature]*  
ENGINEER OF PROGRAM DEVELOPMENT



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1573	102B-2	SANGAMON	34	2
CONTRACT NO. 72999				
ILLINOIS FED. AID PROJECT				

80% FED  
20% STATE

CONSTRUCTION CODE  
PPS#6-73800-0000  
STP RURAL

CODE	ITEM		TOTAL	BOX CULVERT 0010
20100500	TREE REMOVAL, ACRES	ACRE	0.75	0.75
20200100	EARTH EXCAVATION	CU YD	535	535
20400800	FURNISHED EXCAVATION	CU YD	670	670
25000200	SEEDING, CLASS 2	ACRE	0.75	0.75
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	68	68
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	68	68
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	68	68
25000700	AGRICULTURAL GROUND LIMESTONE	TON	1.5	1.5
25100115	MULCH, METHOD 2	ACRE	0.75	0.75
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	75	75
28000305	TEMPORARY DITCH CHECKS	FOOT	88	88
28000400	PERIMETER EROSION BARRIER	FOOT	501	501
28000500	INLET AND PIPE PROTECTION	EACH	1	1
28100207	STONE RIPRAP, CLASS A4	TON	441	441

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1573	102B-2	SANGAMON	34	3
			CONTRACT NO. 72999	
ILLINOIS FED. AID PROJECT				

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PPS#6-73800-0000  
STP RURAL

CODE	ITEM		TOTAL	BOX CULVERT 0010
28200200	FILTER FABRIC	SQ YD	747	747
35501332	HOT-MIX ASPHALT BASE COURSE, 12"	SQ YD	180	180
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	48	48
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	22	22
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	558	558
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	701	701
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	107	107
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	6	6
44000100	PAVEMENT REMOVAL	SQ YD	180	180
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	951	951
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	94	94
44000400	GUTTER REMOVAL	FOOT	14	14
44004250	PAVED SHOULDER REMOVAL	SQ YD	57	57
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	170	170

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DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1573	102B-2	SANGAMON	34	4
			CONTRACT NO. 72999	
ILLINOIS FED. AID PROJECT				

CONSTRUCTION CODE  
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 STP RURAL

CODE	ITEM		TOTAL	BOX CULVERT 0010
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	172	172
48203100	HOT-MIX ASPHALT SHOULDERS	TON	40	40
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1	1
50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1	1
50105220	PIPE CULVERT REMOVAL	FOOT	137	137
50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	228	228
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	6300	6300
51500100	NAME PLATES	EACH	1	1
54003000	CONCRETE BOX CULVERTS	CU YD	78.2	78.2
54011010	PRECAST CONCRETE BOX CULVERTS 10' X 10'	FOOT	170	170
54262718	METAL FLARED END SECTIONS 18"	EACH	2	2
542D1063	PIPE CULVERTS, CLASS D, TYPE 2 18"	FOOT	88	88
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	251	251
60500060	REMOVING INLETS	EACH	1	1

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 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1573	102B-2	SANGAMON	34	5
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72999	

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STP RURAL

CODE	ITEM		TOTAL	BOX CULVERT 0010
60600095	CLASS 51 CONCRETE (OUTLET)	CU YD	8.6	8.6
60602500	CONCRETE GUTTER, TYPE A	FOOT	22	22
63200310	GUARDRAIL REMOVAL	FOOT	462	462
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	8	8
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	8	8
67100100	MOBILIZATION	L SUM	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1.0	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1.0	1
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	150	150
70300100	SHORT TERM PAVEMENT MARKING	FOOT	104	104
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	35	35
* 78001120	PAINT PAVEMENT MARKING - LINE 5"	FOOT	820	820
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	2	2
X0327902	MAILBOX REMOVE AND REPLACE	EACH	1	1

\* SPECIALTY ITEM

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DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1573	102B-2	SANGAMON	34	6
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72999	

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CONSTRUCTION CODE  
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STP RURAL

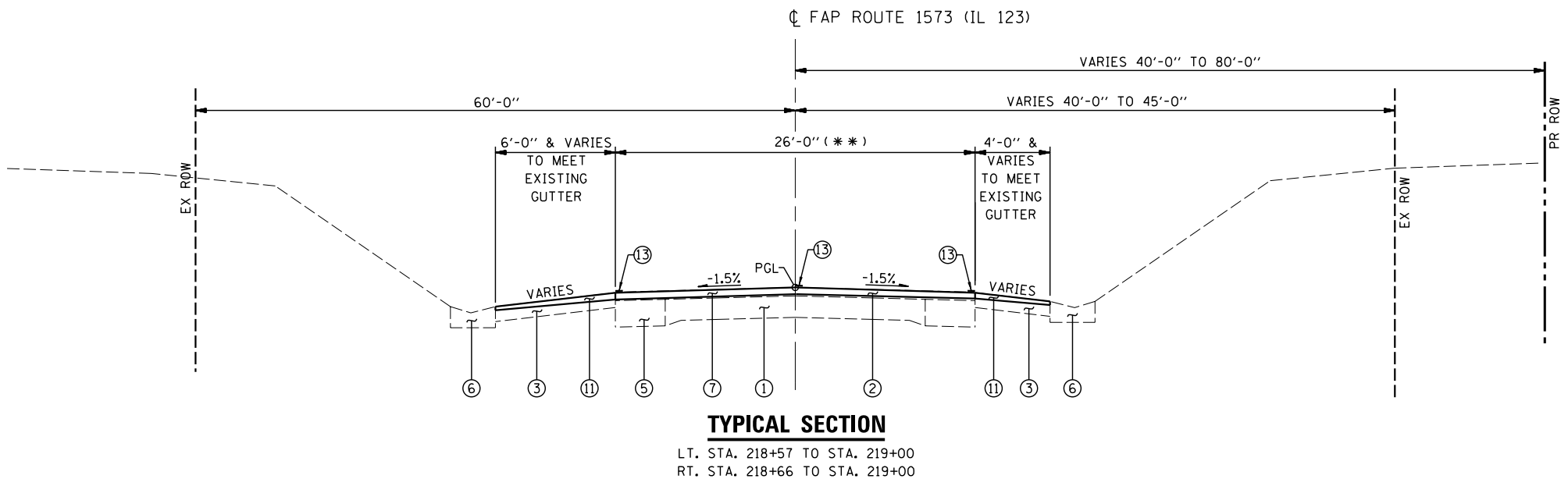
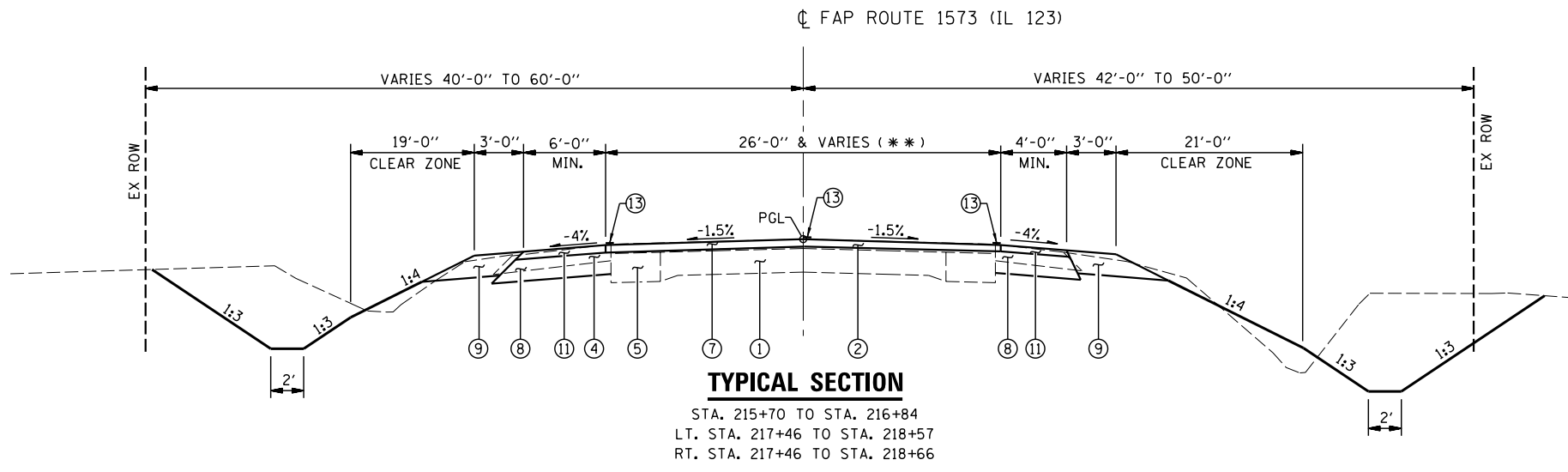
CODE	ITEM		TOTAL	BOX CULVERT 0010
X0900064	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	251	251
X2600012	REMOVE AND RELOCATE SIGN PANEL AND POLE ASSEMBLY	EACH	1	1
X7011800	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1	1
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
Z0015550	DEBRIS REMOVAL	CU YD	8	8
Z0016702	DETOUR SIGNING	L SUM	1	1
∅ Z0076600	TRAINEES	HOUR	500	500
Z0023602	GRANULAR CULVERT BACKFILL	CU YD	243	243
∅ Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500
* Z0054517	ROCK FILL - FOUNDATION	TON	505	505

\* SPECIALTY ITEM

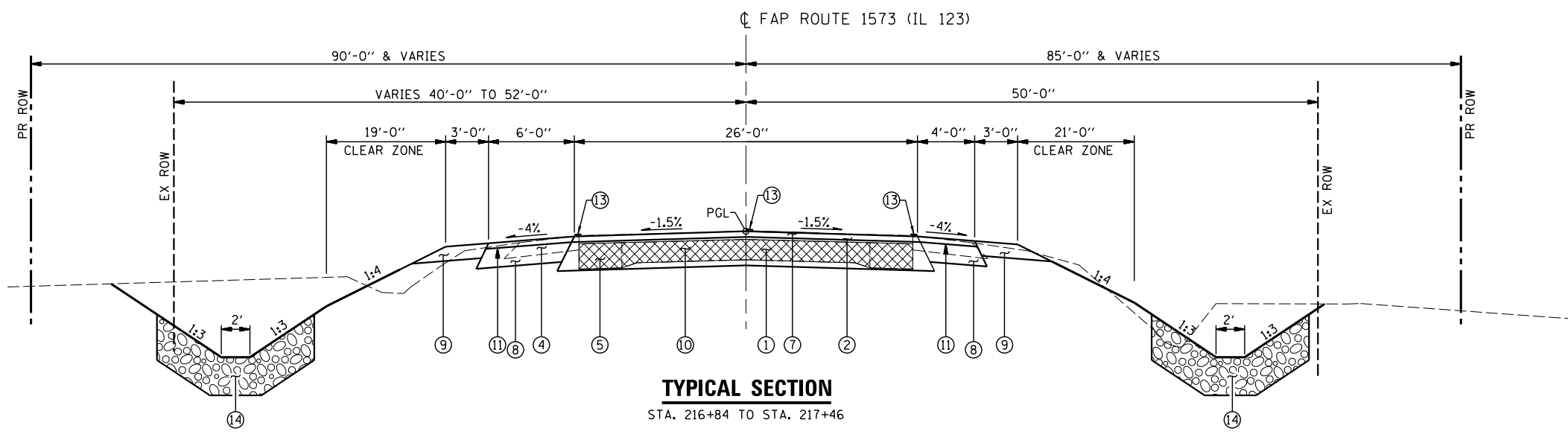
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 Veenstra & Kimm, Inc. Springfield, IL Phone: (217)544-8033	USER NAME =	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	CHECKED -	REVISED -			1573	102B-2	SANGAMON	34	7
	PLOT DATE =	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 72999
		CHECKED -	REVISED -							ILLINOIS FED. AID PROJECT



(\*\*\*) EXISTING PAVEMENT WIDTH VARIES. PROPOSED RESURFACING WILL MATCH THE EXISTING PAVEMENT WIDTH. QUANTITIES ARE CALCULATED BASED ON EXISTING MEASURED PAVEMENT WIDTH.



**LEGEND**

- ① EXISTING 9-6-9 PCC PAVEMENT
- ② EXISTING BITUMINOUS SURFACE
- ③ EXISTING BITUMINOUS SHOULDERS 6"
- ④ EXISTING AGGREGATE SHOULDERS
- ⑤ EXISTING BITUMINOUS CONCRETE BASE COURSE WIDENING 9"
- ⑥ EXISTING TYPE A CONCRETE GUTTER
- ⑦ PROPOSED HOT-MIX ASPHALT CONCRETE SURFACE COURSE, MIX "C", N50 (2")
- ⑧ PROPOSED HOT-MIX ASPHALT SHOULDERS, 6"
- ⑨ PROPOSED AGGREGATE SHOULDERS, TYPE B 6"
- ⑩ PROPOSED HOT-MIX ASPHALT BASE COURSE 12"
- ⑪ PROPOSED HOT-MIX ASPHALT SHOULDERS (TON)
- ⑫ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL 2"
- ⑬ PROPOSED PAINT PAVEMENT MARKING - LINE 5"
- ⑭ PROPOSED STONE RIPRAP, CLASS A4



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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>TYPICAL SECTIONS</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

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1573	102B-2	SANGAMON	34	8
CONTRACT NO. 72999				
ILLINOIS FED. AID PROJECT				





REMOVAL SCHEDULE							
LOCATION	44000100 PAVEMENT REMOVAL	44000200 DRIVEWAY PAVEMENT REMOVAL	44004250 PAVED SHOULDER REMOVAL	50100400 REMOVAL OF EXISTING STRUCTURES NO. 2	50105220 PIPE CULVERT REMOVAL	60500060 REMOVING INLETS	63200310 GUARDRAIL REMOVAL
	SQ. YD.	SQ. YD.	SQ. YD.	EACH	FOOT	EACH	FOOT
STA. 216+84 TO STA. 217+46	180						
STA. 216+17 TO STA. 216+39 LT		36					
STA. 218+20 TO STA. 218+66 RT		58					
STA. 217+00 TO STA. 217+46 LT			36				
STA. 217+00 TO STA. 217+46 RT			21				
STA. 216+31 42' LT				1			
STA. 216+28 TO STA. 216+77 LT					49		
STA. 217+83 TO STA. 218+68 RT					88		
STA. 218+69 20' RT						1	
STA. 215+09 TO STA. 217+00 RT							191
STA. 217+30 TO STA. 218+32 RT							102
STA. 216+47 TO STA. 217+00 LT							53
STA. 217+30 TO STA. 218+46 LT							116
STA. 218+31 22' LT							
TOTAL	180	94	57	1	137	1	462

GUTTER SCHEDULE			
LOCATION	44000400 GUTTER REMOVAL	60600095 CLASS SI CONCRETE (OUTLET)	60602500 CONCRETE GUTTER, TYPE A
	FOOT	CU. YD.	FOOT
STA. 218+66 TO STA. 218+80 RT	14		
P.E. - STA. 218+28 TO STA. 218+58 RT		4.8	
STA. 217+85 TO STA. 218+28 RT		3.8	
STA. 218+58 TO STA. 218+80			22
STA. 423+80 TO STA. 431+25 CENTERLINE			
STA. 425+15 TO STA. 429+95 LT. EDGE			
TOTAL	14	8.6	22

PIPE CULVERT SCHEDULE		
LOCATION	54262718 METAL FLARED END SECTIONS 18"	542D1063 PIPE CULVERTS CLASS D, TYPE 2 18"
	EACH	FOOT
STA. 215+94 50' LT	1	
STA. 216+80 65' LT	1	
STA. 215+94 50' LT TO STA. 216+80 65' LT		88
TOTAL	2	88

SHOULDER SCHEDULE			
LOCATION	48101500 AGGREGATE SHOULDERS, TYPE B, 6"	48203021 HOT-MIX ASPHALT SHOULDERS, 6"	48203100 HOT-MIX ASPHALT SHOULDERS
	SQ. YD.	SQ. YD.	TON
STA. 217+00 TO STA. 216+84 LT		51	
STA. 216+84 TO STA. 217+46 LT		42	
STA. 217+00 TO STA. 217+46 RT		79	
STA. 215+70 TO STA. 217+92 RT	74		
STA. 215+70 TO STA. 218+57 LT	96		
STA. 215+70 TO STA. 216+84 LT			6
STA. 216+84 TO STA. 219+00 LT			17
STA. 215+70 TO STA. 217+46 RT			17
TOTAL	170	172	40

66600105 FURNISHING AND ERECTING RIGHT OF WAY MARKERS	
LOCATION	66600105 FURN. & ERECT ROW MARKERS
	EACH
STA. 215+00 50' RT	1
STA. 216+50 85' RT	1
STA. 217+75 85' RT	1
STA. 218+01.57 50' RT	1
STA. 215+00 50' LT	1
STA. 216+50 90' LT	1
STA. 217+50 90' LT	1
STA. 218+51.57 60' LT	1
TOTAL	8



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QUANTITY SCHEDULES			
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70107025 CHANGEABLE MESSAGE SIGN	
LOCATION	70107025 CHANGEABLE MESSAGE SIGN CAL DAY
IL 123 SOUTHBOUND TRAFFIC SOUTH OF TALLULA	50
IL 125 EASTBOUND TRAFFIC WEST OF IL 125 & IL 123 INTERSECTION	50
IL 125 WESTBOUND TRAFFIC EAST OF IL 125 & IL 123 INTERSECTION	50
TOTAL	150

X2600012 REMOVE AND RELOCATE SIGN PANEL AND POLE ASSEMBLY	
LOCATION	X2600012 REM & REL SIGN PANEL & POLE ASSEMBLY EACH
STA. 218+36 38' LT (NO PASSING ZONE)	1
TOTAL	1

SHORT TERM PAVEMENT MARKING		
LOCATION	70300100 SHORT TERM PAVEMENT MARKING FOOT	70300150 SHORT TERM PAVEMENT MARKING REMOVAL SQ. FT.
STA. 215+70 TO STA. 219+00 CENTERLINE (2 APPLICATIONS)	72	24
STA. 215+70 TO STA. 219+00 LT SHOULDER 45° DIAGONALS (2 APPLICATIONS)	32	11
TOTAL	104	35

Z0015550 DEBRIS REMOVAL	
LOCATION	Z0015550 DEBRIS REMOVAL CU. YD
STA. 217+45 TO STA. 217+75 RT (DITCH AREA) - ESTIMATED QUANTITY	8
TOTAL	8

78001120 PAINT PAVEMENT MARKING - LINE 5"			
LOCATION	30' SKIP 10' DASH YELLOW LINE FOOT	SOLID YELLOW LINE FOOT	EDGE LINE WHITE FOOT
STA. 215+70 TO STA. 219+00			660
STA. 215+70 TO STA. 218+00 CENTERLINE	60		
STA. 218+00 TO STA. 219+00 CENTERLINE		100	
SUBTOTAL	60	100	660
TOTAL		820	

RAISED REFLECTIVE PAVEMENT MARKER SCHEDULE	
LOCATION	78300200 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL EACH
STA. 216+30 CENTERLINE	1
STA. 217+10 CENTERLINE	
STA. 217+90 CENTERLINE	
STA. 218+70 CENTERLINE	1
TOTAL	2

X0327902 MAILBOX REMOVE AND REPLACE	
LOCATION	X0327902 MAILBOX REMOVE AND REPLACE EACH
STA. 218+31 22' LT	1
TOTAL	1



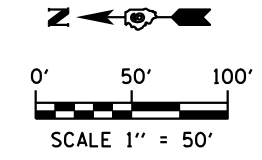
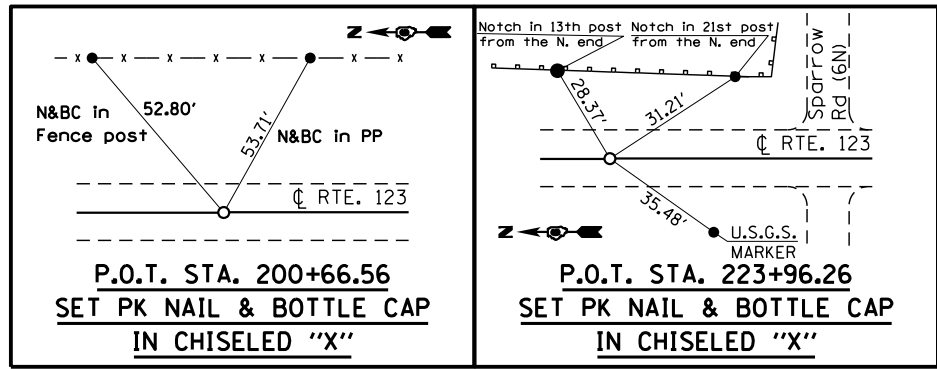
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	CHECKED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**QUANTITY SCHEDULES**

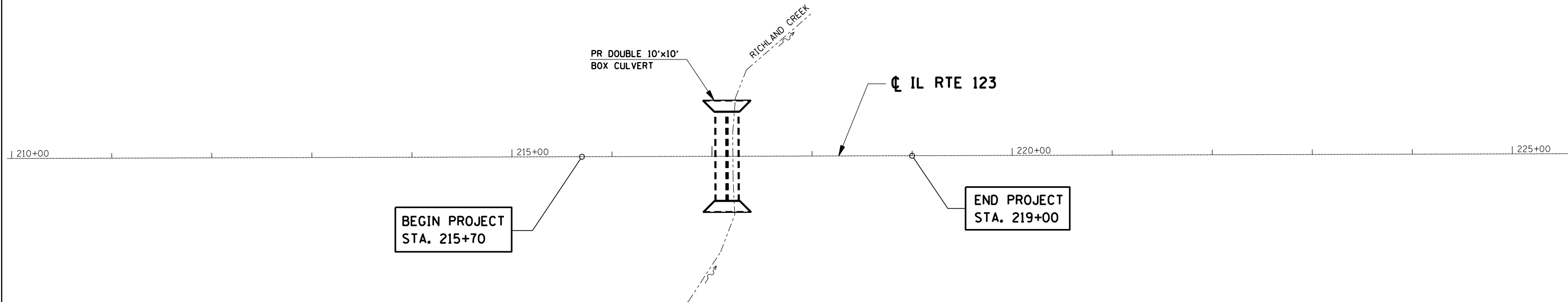
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1573	102B-2	SANGAMON	34	11
CONTRACT NO. 72999				
ILLINOIS FED. AID PROJECT				



CENTERLINE CONTROL, BENCHMARKS & TRAVERSE STATION COORDINATES  
 NAD 83/1997ADJ STATE PLANE (IL WEST ZONE)

DESCRIPTION	POINT	NORTH	EAST	STATION	OFFSET
TRAV*2003 *4 REBAR W CAP	2003	1171748.7080	2358126.4070	236+24.12	20.53 RT
POT PK NAIL & BOTTLE CAP	2119	1172976.6210	2358143.1750	223+96.26	0.00
TRAV*5000 *4 REBAR W CAP	5000	1173758.1510	2358169.2520	216+14.81	28.47 LT
USGS 1905 615 ADJ	5568	1172958.4800	2358112.7420	224+14.31	30.49 RT
BM DC1 CHSLD "TJ"	6500	1173672.4590	2358161.2920	217+00.48	20.29 LT
POT PK NAIL & BOTTLE CAP	16003	1175306.3081	2358136.0357	200+66.56	0.00



B.M. \*DC1  
 CHISELED "T" IN NW. COR.  
 OF EAST HUBGUARD OF BRIDGE  
 \*084-0090 STA. 217+00.48, 20.24' LT.  
 NAVD '88 DATUM ELEV. = 605.052

STANDARD IRON POST WITH BRONZE CAP  
 STAMPED " 1905 615 ADJ. " IN NW. ANGLE OF  
 IL 123 & SPARROW RD(6N), 50' N. & 30.2' W.  
 FROM INT. AT STA. 224+14.31, 30.4' RT.  
 NAVD '88 DATUM ELEV. = 614.95



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PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -

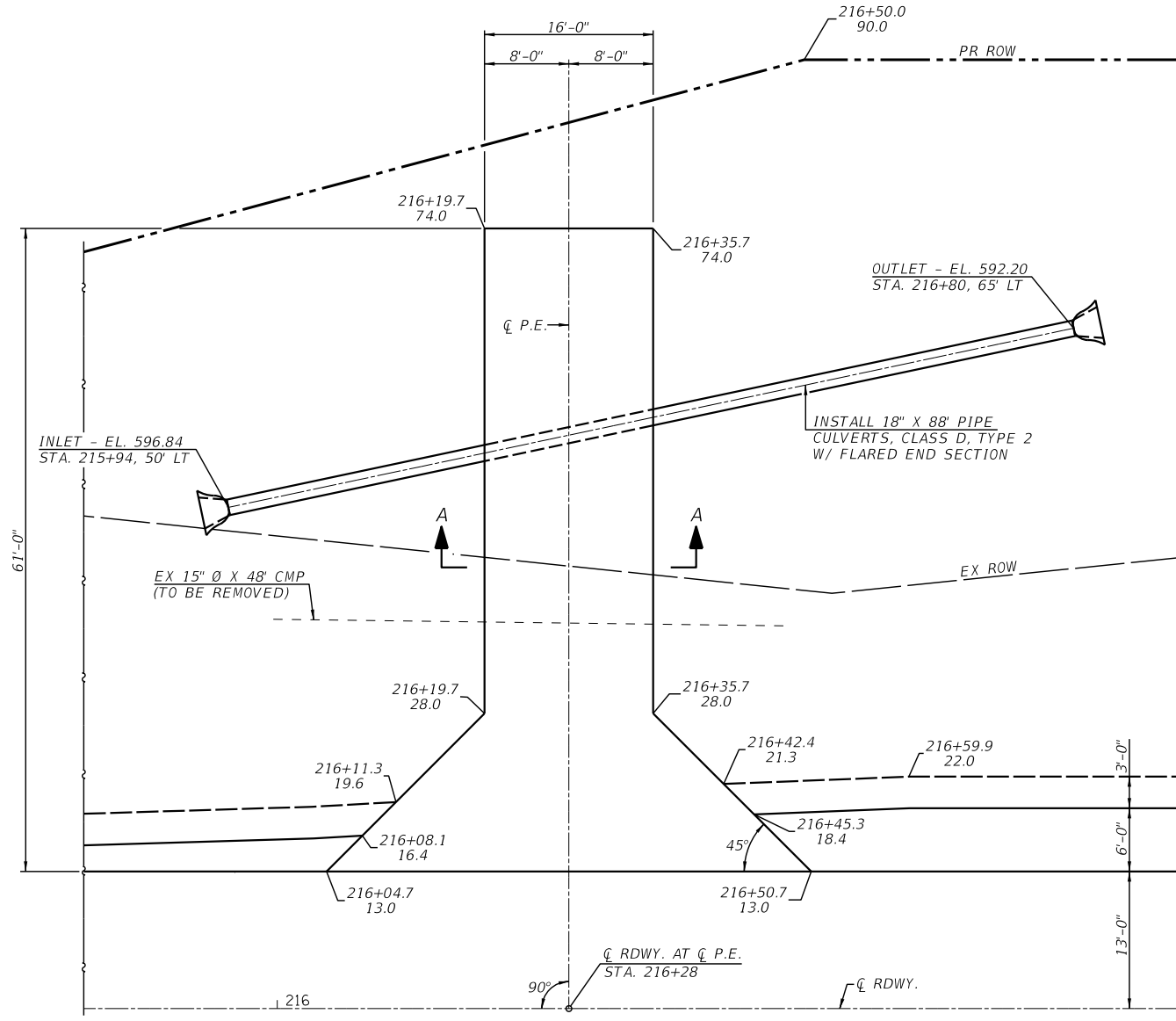
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ALIGNMENT AND TIES

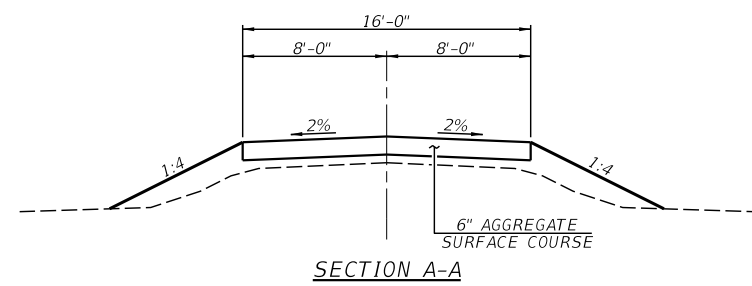
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1573	102B-2	SANGAMON	34	12
CONTRACT NO. 72999				
ILLINOIS FED. AID PROJECT				

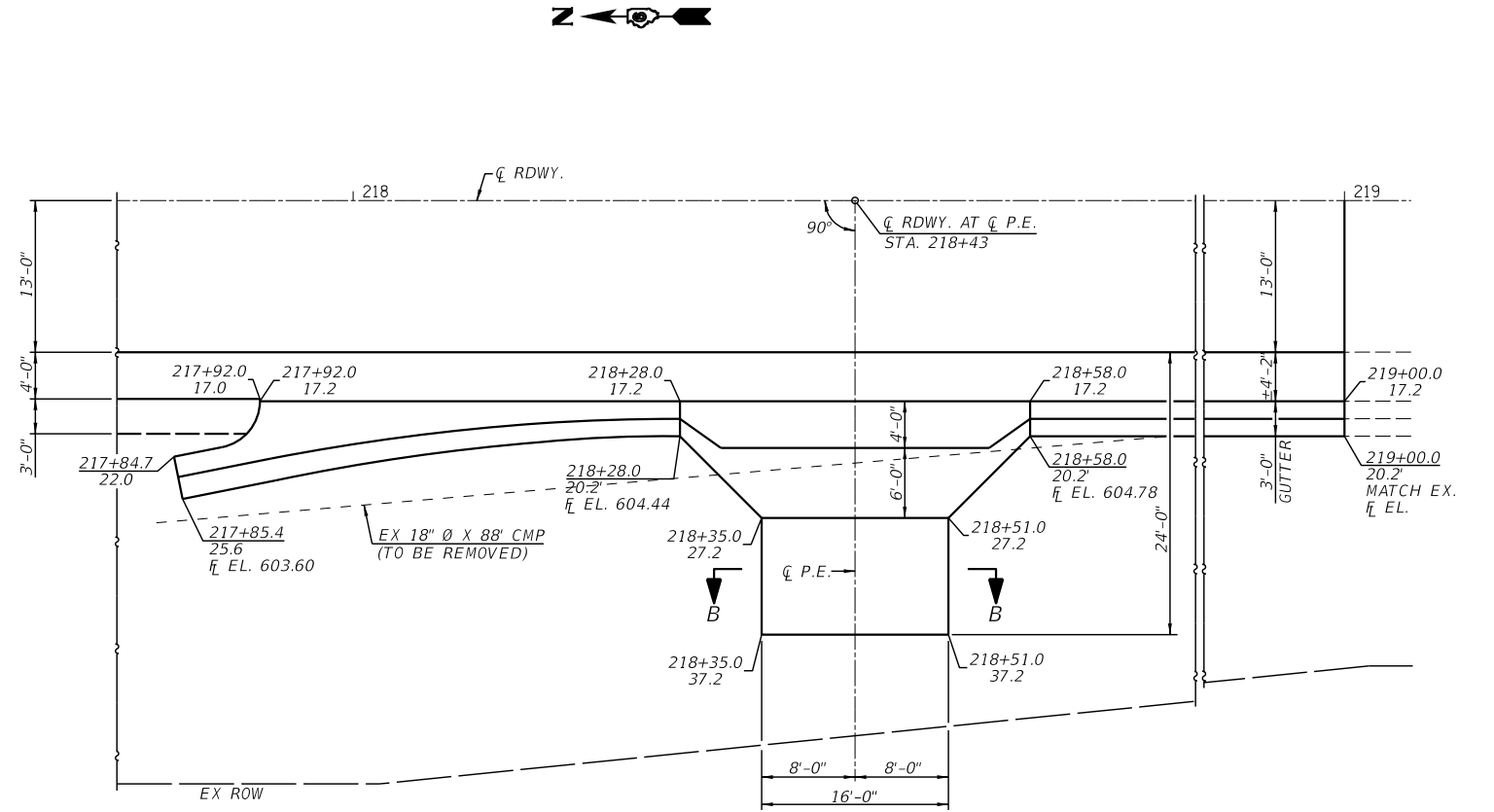




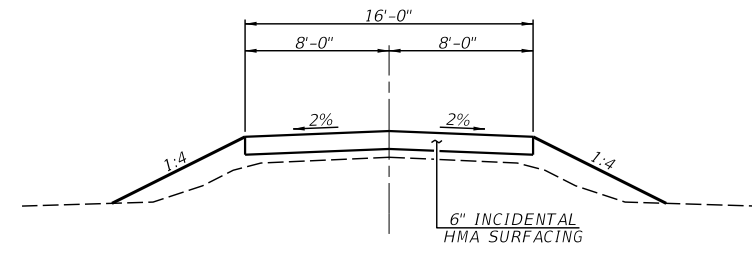
PLAN  
(F.E. STA. 216+28 LT.)



SECTION A-A



PLAN  
(F.E. STA. 218+43 RT.)  
(CONCRETE GUTTER PER STD. 606101)



SECTION B-B



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PLOT DATE =	DRAWN -	REVISED -
	CHECKED -	REVISED -

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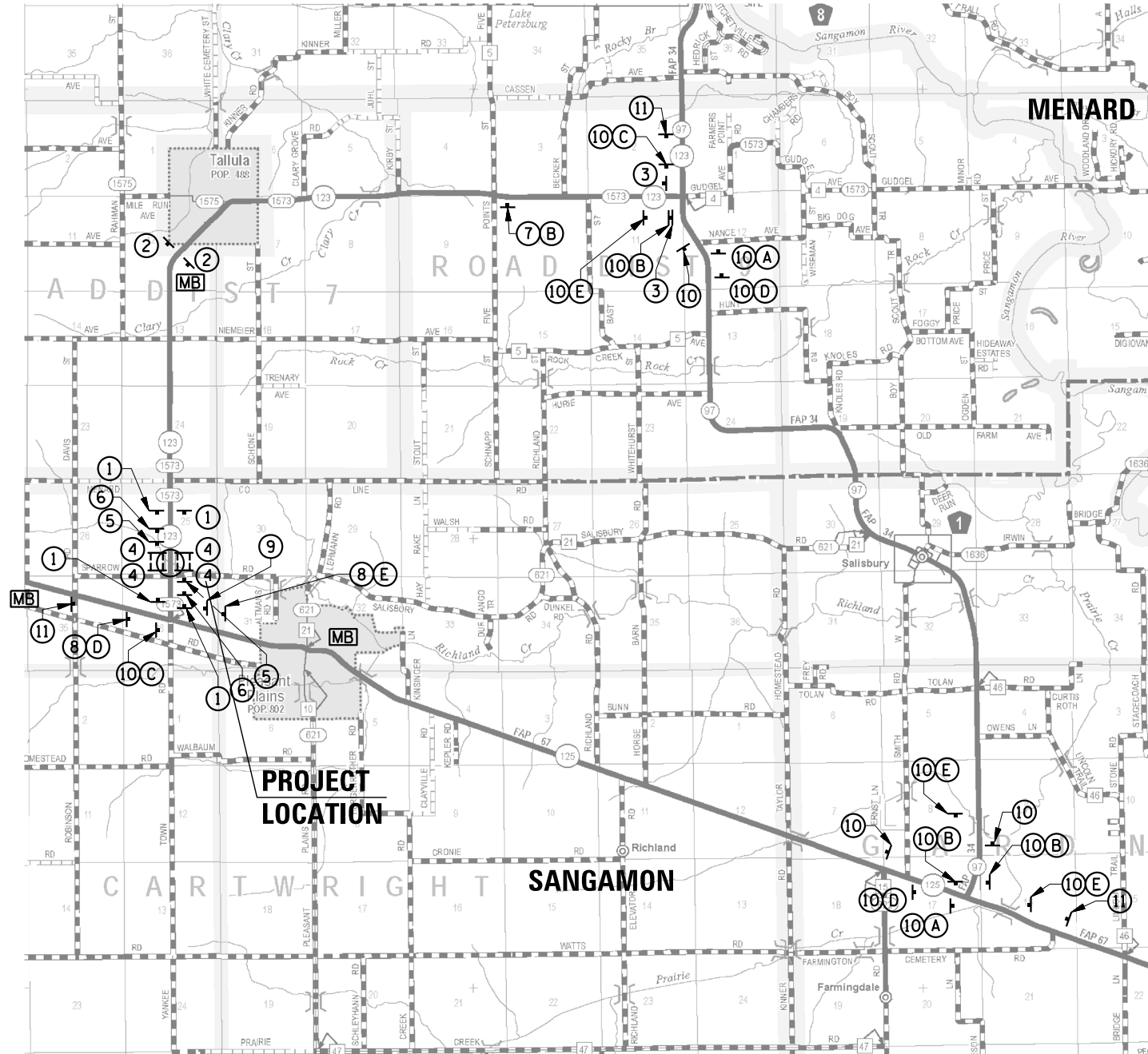
TYPICAL SECTIONS

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1573	102B-2	SANGAMON	34	14
CONTRACT NO. 72999				
ILLINOIS FED. AID PROJECT				

**TRAFFIC DETOUR ROUTE NOTES**

1. ALL SIGNING SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2016. THE DETAILS IN THESE PLANS, AND THE LATEST EDITION OF THE STATE OF ILLINOIS "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
2. THE CONTRACTOR SHALL PROCEED WITH THE WORK IN AN EXPEDIT MANNER TO REDUCE THE LENGTH OF TIME THAT THE DETOUR IS IN EFFECT. SEE SPECIAL PROVISIONS FOR LIMITATIONS TO CLOSURE TIME AND DURATION.
3. THE ENGINEER SHALL BE NOTIFIED IN WRITING AT LEAST THREE WEEKS PRIOR TO THE DAY THE ROAD IS TO BE CLOSED. THE ENGINEER WILL CONTACT THE BUREAU OF OPERATIONS AS WELL AS LOCAL, TOWNSHIP AND COUNTY OFFICIALS CONCERNING THE CLOSURE.
4. THE CONTRACTOR SHALL SUPPLY TO THE ENGINEER THE NAMES AND PHONE NUMBERS OF HIS REPRESENTATIVES ON THE CONSTRUCTION SITE AND HIS REPRESENTATIVE RESPONSIBLE FOR THE DETOUR SIGNING AND MAINTENANCE PRIOR TO THE START OF WORK.
5. LONGITUDINAL DIMENSIONS SHOWN ON THESE PLANS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
6. THE ROAD SHALL NOT BE CLOSED UNTIL ALL SIGNING IS ERECTED IN ACCORDANCE WITH HIGHWAY STANDARD BLR 21 AND WITH THE ROAD CLOSURE PLAN AND INSPECTED AND APPROVED BY THE ENGINEER.
7. ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE THE ROAD CLOSURE IS IN EFFECT SHALL BE COMPLETELY COVERED BY THE CONTRACTOR.
8. ALL ROAD CLOSURE SIGNING SHALL BE MOUNTED AS INDICATED.
9. ALL ROAD CLOSURE SIGNING EXCEPT REGULATORY SIGNS SHALL HAVE BLACK LEGENDS ON FLUORESCENT ORANGE BACKGROUNDS AND STANDARD BLACK BORDERS. ALL ROAD CLOSURE SIGNING SHALL BE NEW OR LIKE NEW CONDITION.
10. THE SIZE OF ALL SIGNS NOT SPECIFIED IN THESE PLANS SHALL BE AS REQUIRED BY THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND APPLICABLE TRAFFIC STANDARDS.
11. AS A MINIMUM, ALL AMBER FLASHING LIGHTS THAT ARE REQUIRED FOR THE ROAD CLOSURE SIGNING SHALL MEET THE REQUIREMENTS FOR A TYPE A - LOW INTENSITY FLASHING LIGHTS IN ARTICLE 1084.01 OF THE STANDARD SPECIFICATIONS. ALL LIGHTS SHALL OPERATE DURING HOURS OF DARKNESS. ONLY LIGHTS THAT HAVE BEEN APPROVED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION SHALL BE USED.
12. THE TYPE III BARRICADES USED AT POINTS OF CLOSURE TO THRU TRAFFIC ONLY SHALL NOT EXCEED 8 FEET IN WIDTH EACH FOR A SINGLE APPROACH LANE. ALL BARRICADES AT THESE LOCATIONS SHALL HAVE REFLECTORIZED STRIPING ON BOTH SIDES OF THE BARRICADE.
13. THE "ROAD CLOSED" SIGN ON A TYPE III BARRICADE SHALL BE MOUNTED ACCORDING TO STANDARD 701901. ALL TYPE III BARRICADES SHALL HAVE TWO AMBER TYPE A - LOW INTENSITY FLASHING LIGHTS.
14. CONSTRUCTION EQUIPMENT SHALL NOT BE PARKED IMMEDIATELY BEHIND THE TYPE III BARRICADES DURING NON-WORKING HOURS. IN ANY EVENT, ARTICLES 701 THRU 703 OF THE STANDARD SPECIFICATIONS SHALL APPLY.
15. THE ENGINEER SHALL BE NOTIFIED AT LEAST TWO WEEKS BEFORE THE ROAD IS TO BE OPENED TO TRAFFIC. THE ENGINEER WILL CONTACT THE DISTRICT 6 BUREAU OF OPERATIONS.
16. THE CONTRACTOR SHALL MAINTAIN OVERNIGHT ACCESS TO ALL PRIVATE DRIVEWAYS AND FIELD ENTRANCES DURING PERIODS OF CONSTRUCTION.



**ROAD CLOSURE PLAN**  
NOT TO SCALE

**LEGEND**

- † SIGN POST MOUNTED
- ⌊ TYPE III BARRICADE
- MB MESSAGE BOARD

**ROAD CLOSURE SIGNS**

- ① ROAD CLOSED 1 MILE AHEAD LOCAL TRAFFIC ONLY  
R11-3a POST MOUNTED
- ② ROAD CLOSED 4 MILES AHEAD LOCAL TRAFFIC ONLY  
R11-3a POST MOUNTED
- ③ ROAD CLOSED 9 MILES AHEAD LOCAL TRAFFIC ONLY  
R11-3a POST MOUNTED
- ④ ROAD CLOSED  
R11-2 (48x30) MOUNTED ON TYPE III BARRICADE (SEE NOTE 14)
- ⑤ ROAD CLOSED 500 FT  
W20-3 (O) (48x48) SIGN WITH FLASHING LIGHT POST MOUNTED
- ⑥ ROAD CLOSED AHEAD  
W20-3 (O) (48x48) SIGN WITH FLASHING LIGHT POST MOUNTED
- ⑦ IL RTE. 123 CLOSED AHEAD  
DETOUR  
R- (60x30) M4-8 (O) (24x12) (SEE DIRECTIONAL ARROWS) POST MOUNTED
- ⑧ ROAD CONSTRUCTION AHEAD  
W20-1-103 (O) (48x48) SIGN WITH FLASHING LIGHT POST MOUNTED
- ⑨ END DETOUR  
ILLINOIS 123  
M4-8a (24x18) M1-100a (30x24) POST MOUNTED
- ⑩ DETOUR  
ILLINOIS 123  
M4-8 (24x12) (O) M1-100a (30x24) (SEE DIRECTIONAL ARROWS) POST MOUNTED
- ⑪ IL RTE. 123 SOUTH OF TALLULA CLOSED FOLLOW MARKED DETOUR  
CUSTOM REGULATORY SIGN (60x36) POST MOUNTED

**DIRECTIONAL ARROWS**

- A ← M6-1 (21x15)
- B → M6-1 (21x15)
- C ↑ M6-3 (21x15)
- D ↙ M5-1 (21x15)
- E ↘ M5-1 (21x15)



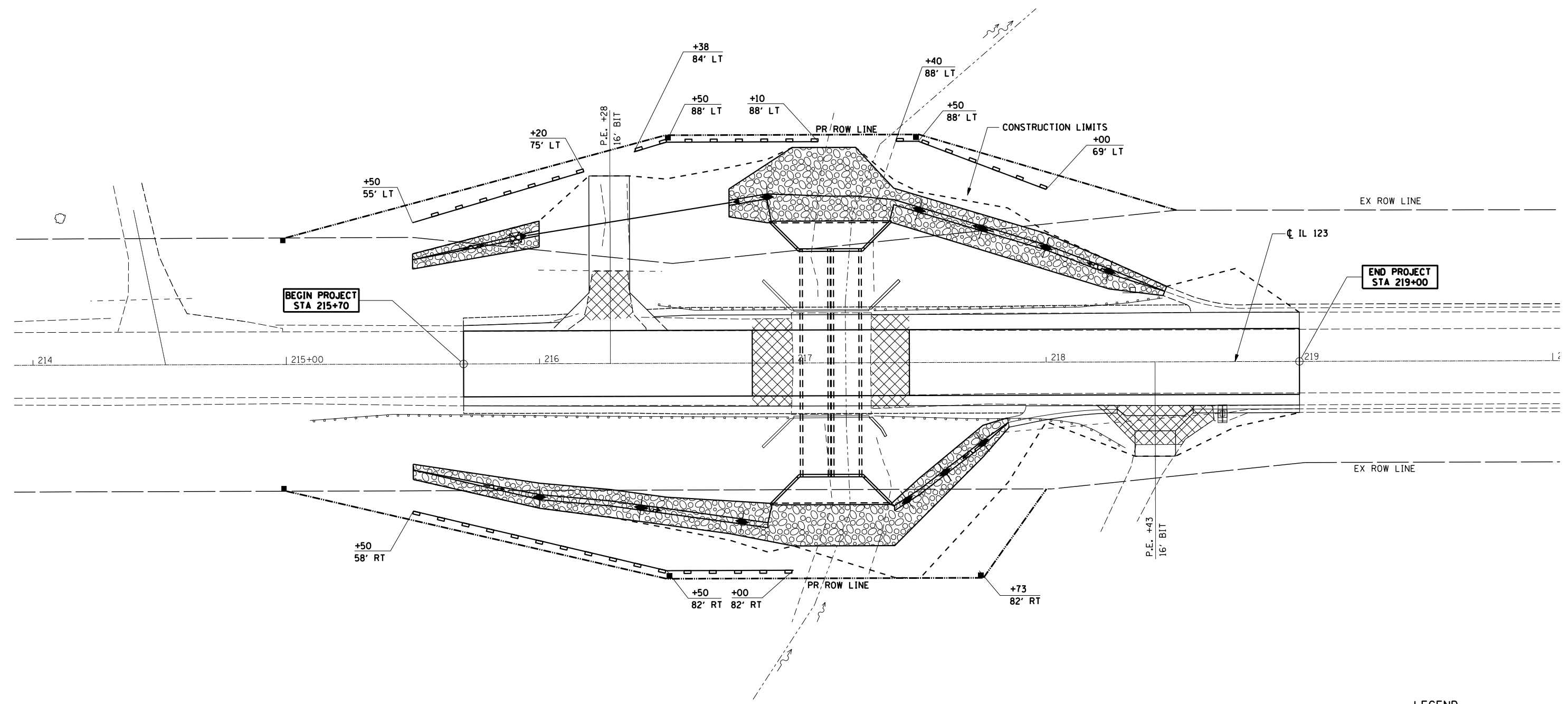
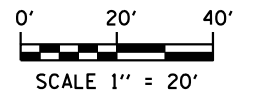
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PLOT DATE =	DRAWN -	REVISED -
	CHECKED -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC  
DETOUR PLAN

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1573	102B-2	SANGAMON	34	15
CONTRACT NO. 72999				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECK
- INLET PIPE PROTECTION



USER NAME =	DESIGNED -	REVISED -
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PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

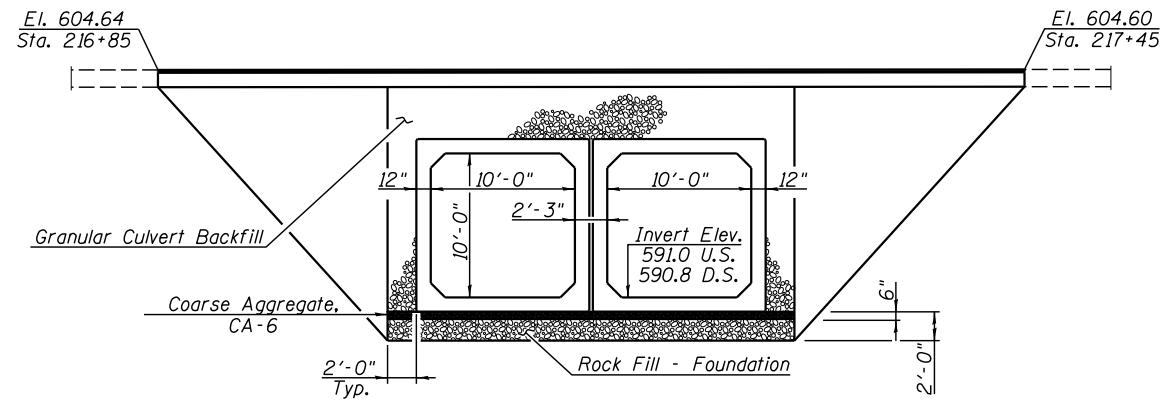
**EROSION CONTROL PLAN**

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1573	102B-2	SANGAMON	34	16
CONTRACT NO. 72999				
ILLINOIS FED. AID PROJECT				







SECTION THRU CULVERT  
(Looking East)

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Removal of Existing Structures No. 1	Each	1
Removal and Disposal of Unsuitable Material for Structures	Cu. Yd.	250
Reinforcement Bars, Epoxy Coated	Pound	6300
Name Plates	Each	1
Precast Concrete Box Culverts 10' X 10'	Foot	170
Concrete Box Culverts	Cu. Yd.	78.2
Geocomposite Wall Drain	Sq. Yd.	251
Membrane Waterproofing System for Buried Structures	Sq. Yd.	251
Granular Culvert Backfill	Cu. Yd.	243
Rock Fill - Foundation	Ton	505

**WATERWAY INFORMATION**

Drainage Area = 4.1 Sq. Mi.		Exist. Overtopping Elev. = 604.4 @ Sta. 217+33 Prop. Overtopping Elev. = 604.4 @ Sta. 217+33							
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	10	760	143	111	596.8	0.6	0.5	597.4	597.3
Base	50	1250	170	129	597.7	1.3	1.4	599.0	599.2
Overtop Exist.	100	1470	180	136	598.1	1.7	1.9	599.8	600.0
Overtop Prop.	>500								
Max. Calc.	500	2010	200	150	598.8	2.7	3.3	601.5	602.1

10 Yr. Outlet Velocity through Exist. Structure = 6.72 ft/s  
10 Yr. Outlet Velocity through Prop. Structure = 6.97 ft/s

**GENERAL NOTES**

Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.  
Lifting holes shall be filled with concrete plugs and mastic after box sections are in place.

The design fill height for this box is 2 ft. The precast box culvert sections shall conform to the requirements of ASTM C1577.

Drain holes shall be provided on exterior culvert walls for each precast box segment with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specifications.

Nonwoven geotextile fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.

The limits and quantities of removal and replacement shown are based on the boring data and may be modified by the District Geotechnical and Field Engineers for variable subsurface conditions encountered in the field.

Precast concrete box culverts shall be backfilled with Granular Culvert Backfill and extend 2 ft. beyond the exterior walls.

**DESIGN SPECIFICATIONS**

2017 AASHTO LRFD Bridge Design Specifications, 8th Edition

**LOADING HL-93**

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

**DESIGN STRESSES**

**FIELD UNITS**

f'c = 3,500 psi  
fy = 60,000 psi (Reinforcement)

**PRECAST UNITS**

f'c = 5,000 psi  
fy = 65,000 psi (Welded Wire Fabric)  
fy = 60,000 psi (Reinforcement)

MODEL: SMODELNAMES  
FILE NAME: SFILES



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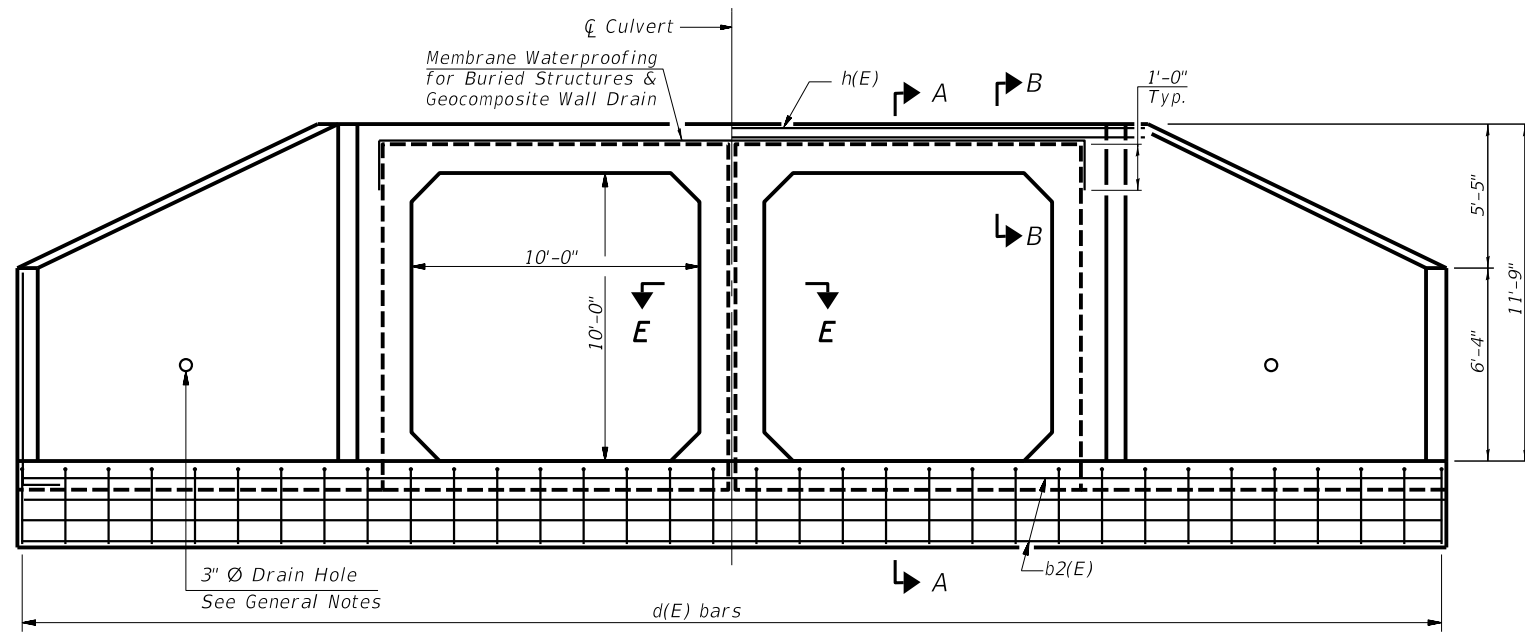
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GENERAL DATA  
STRUCTURE NO. 084-2522

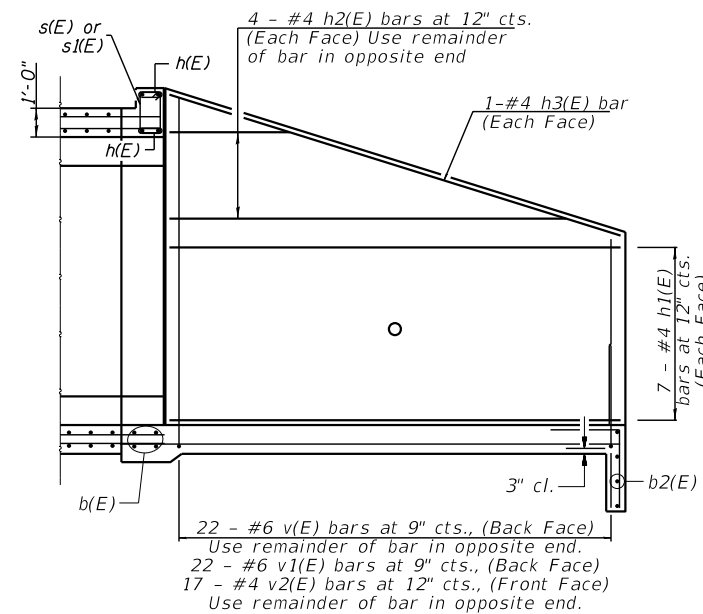
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1573	102B-2	SANGAMON	34	18
CONTRACT NO. 72999				
ILLINOIS FED. AID PROJECT				

SHEET 2 OF 5 SHEETS

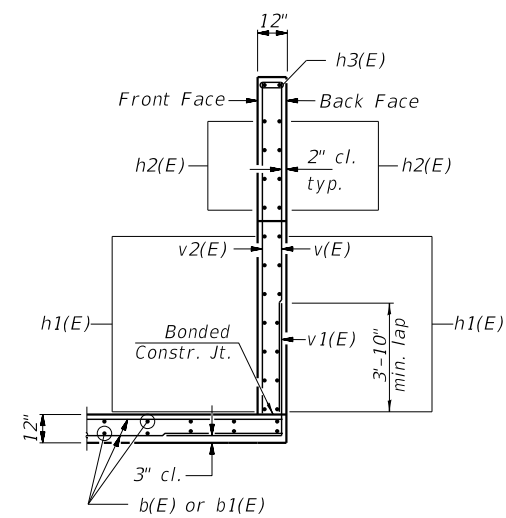
SDATES \$TIMES



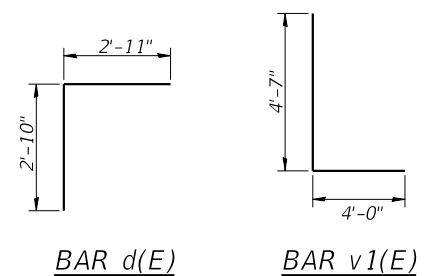
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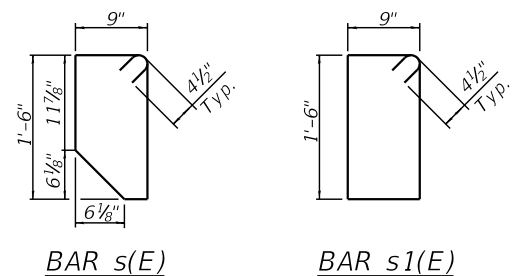
SECTION A-A



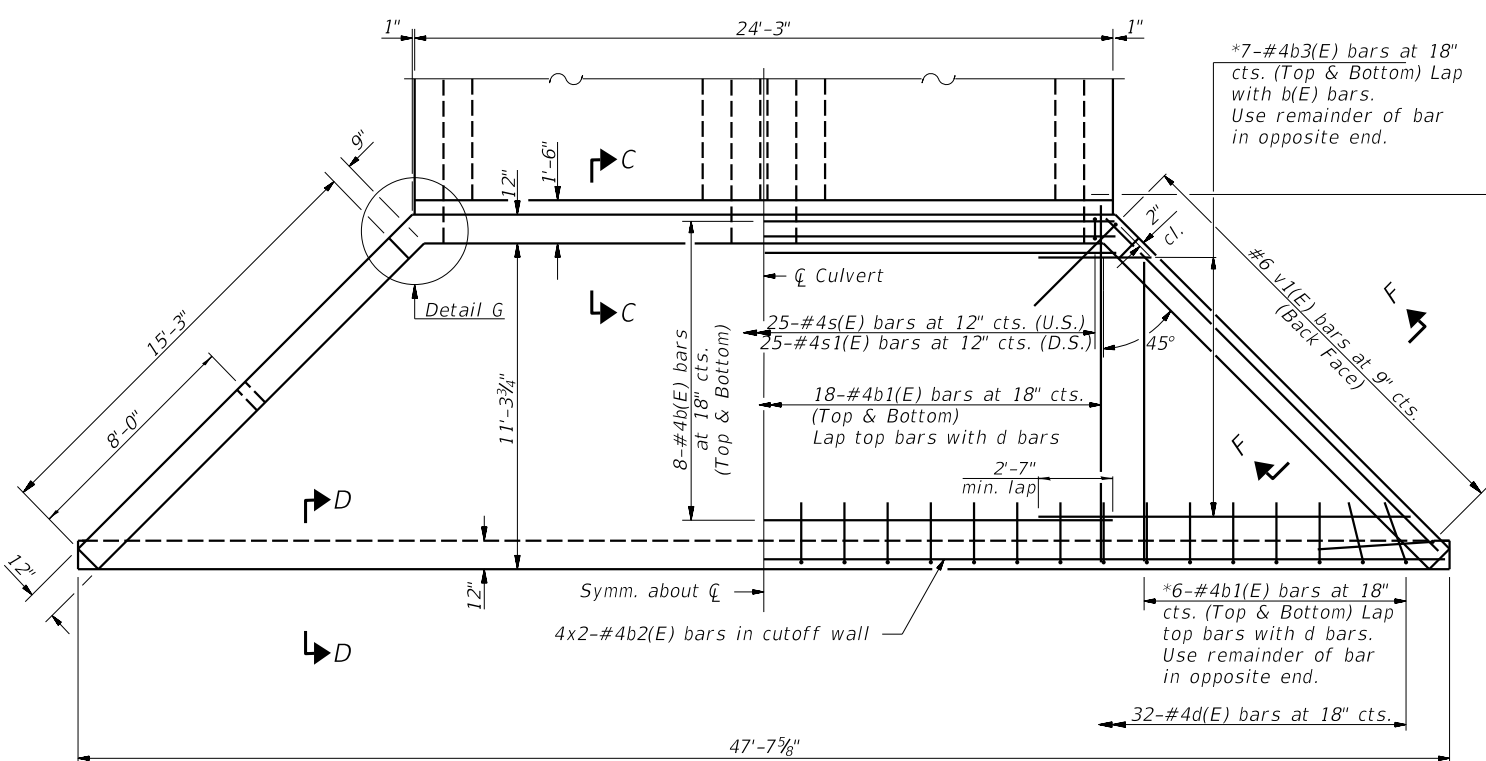
SECTION F-F



BAR d(E) BAR v1(E)

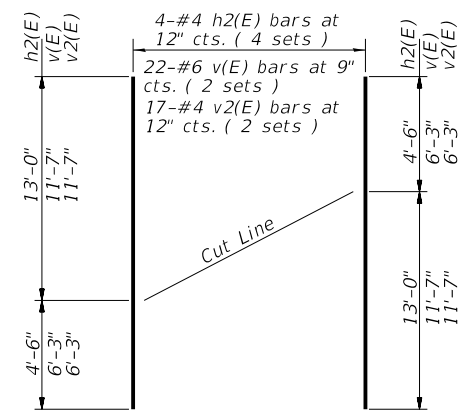


BAR s(E) BAR s1(E)



PLAN

MINIMUM BAR LAP  
 #4 bar = 2'-7"  
 #6 bar = 3'-10"



BAR h2(E), v(E), v2(E)  
 CUTTING DIAGRAM

BILL OF MATERIAL  
 2 END SECTIONS

Bar	No.	Size	Length	Shape
b(E)	32	#4	24'-1"	U
b1(E)	84	#4	12'-6"	U
b2(E)	16	#4	25'-0"	U
b3(E)	28	#4	16'-10"	U
d(E)	64	#4	5'-9"	U
h(E)	8	#7	24'-1"	U
h1(E)	56	#4	15'-10"	U
h2(E)	16	#4	17'-6"	U
h3(E)	8	#4	16'-7"	U
s(E)	25	#5	5'-0"	U
s1(E)	25	#5	5'-3"	U
v(E)	44	#6	17'-10"	U
v1(E)	88	#6	8'-7"	U
v2(E)	34	#4	17'-10"	U
Item		Unit	Qty.	
Concrete Box Culverts		Cu. Yd.	78.2	
Reinforcement Bars, Epoxy Coated		Pound	6300	

Notes:  
 Bars indicated thus 4x2-#4 etc. indicates 4 lines of bars with 2 lengths per line.

MODEL: SMODELNAMES  
 FILE NAME: SFILES



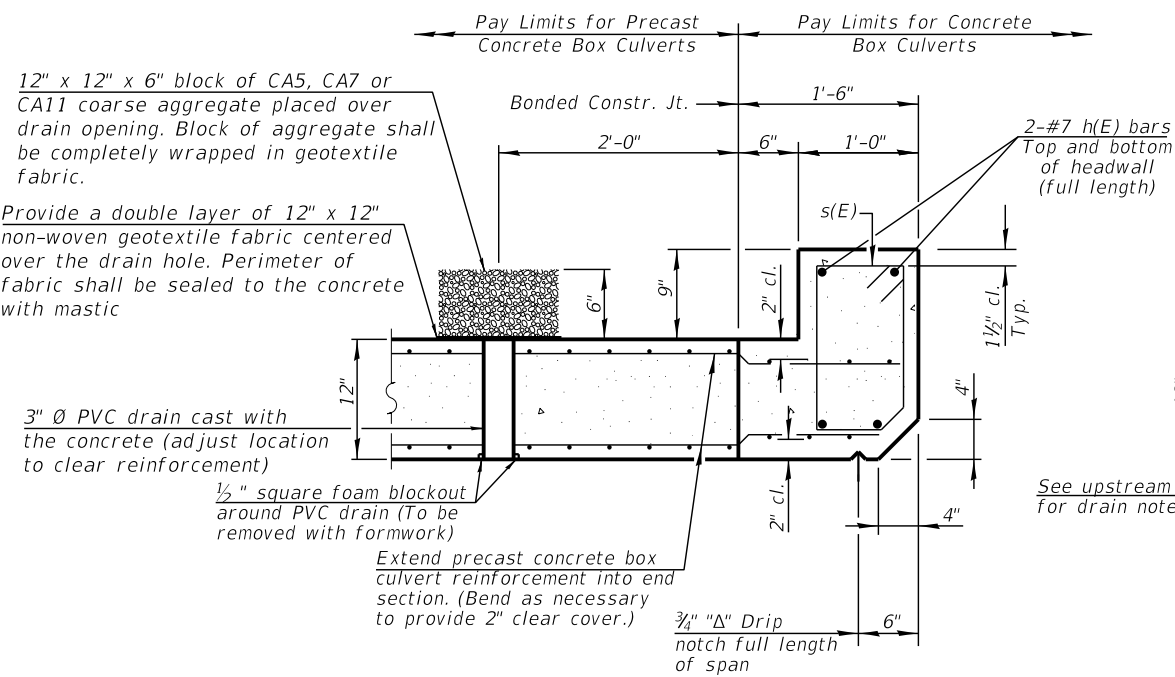
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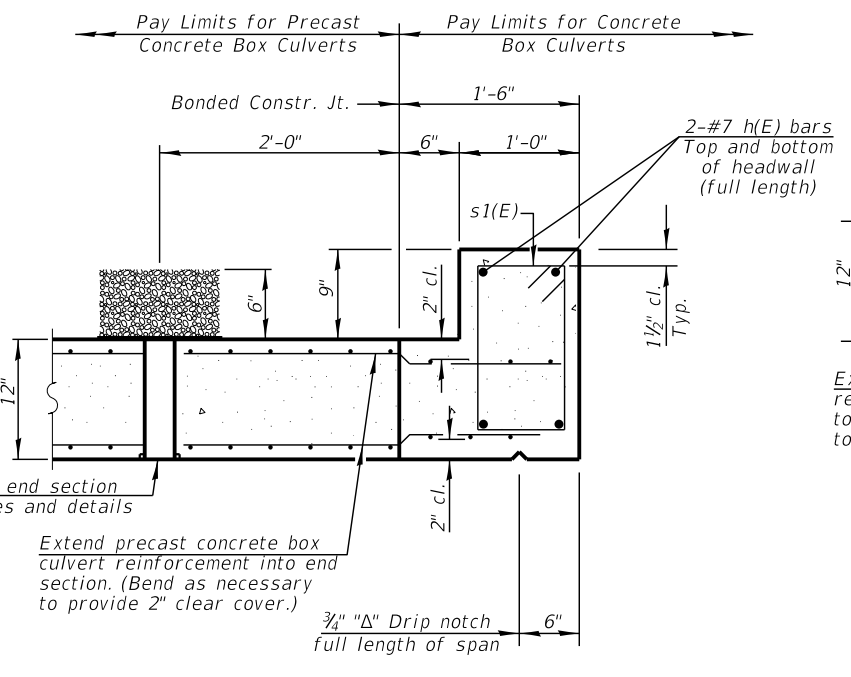
CAST-IN-PLACE APRON END SECTION  
 STRUCTURE NO. 084-2522

SHEET 3 OF 5 SHEETS

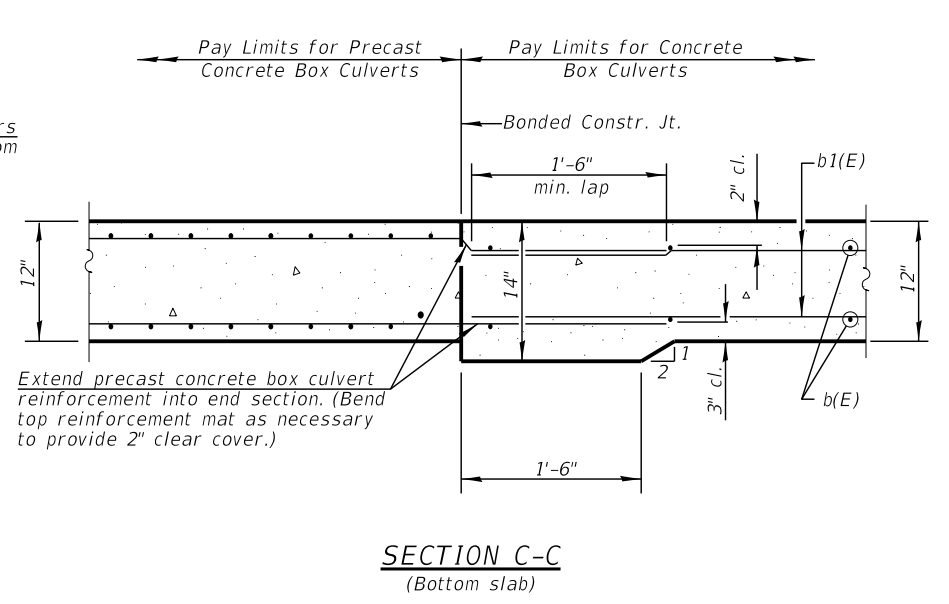
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1573	102B-2	SANGAMON	34	19
CONTRACT NO. 72999				
ILLINOIS FED. AID PROJECT				



**SECTION B-B**  
(Top slab at upstream end)



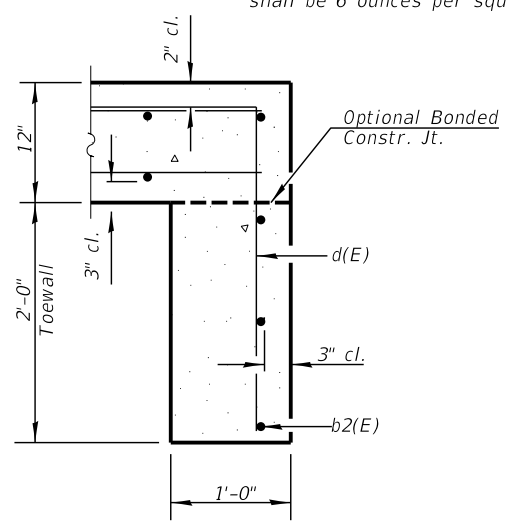
**SECTION B-B**  
(Top slab at downstream end)



**SECTION C-C**  
(Bottom slab)

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

Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.



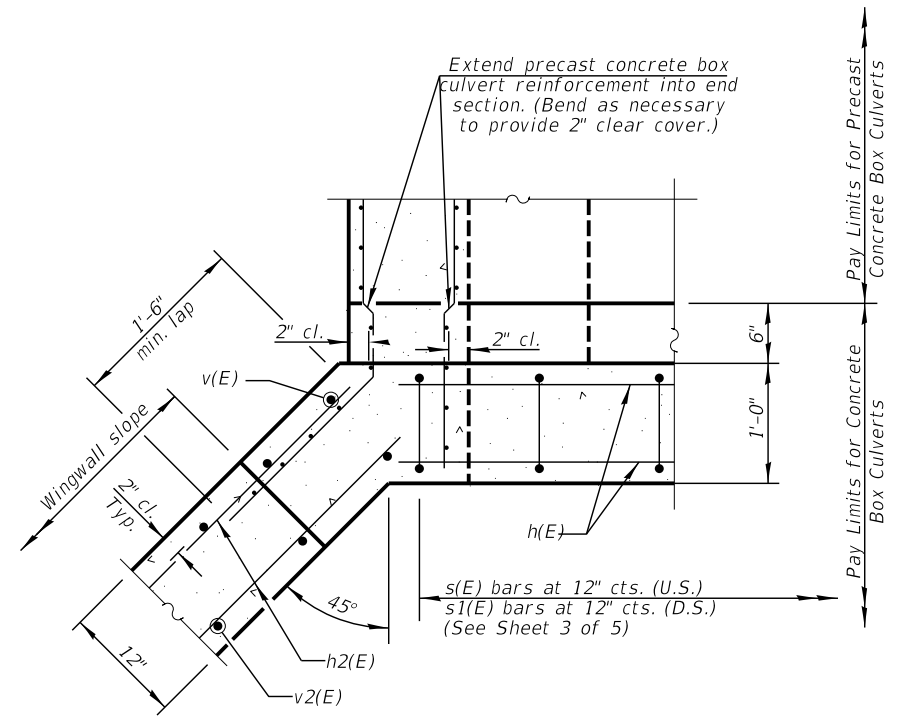
**SECTION D-D**

**TOEWALL CONSTRUCTION SEQUENCE**

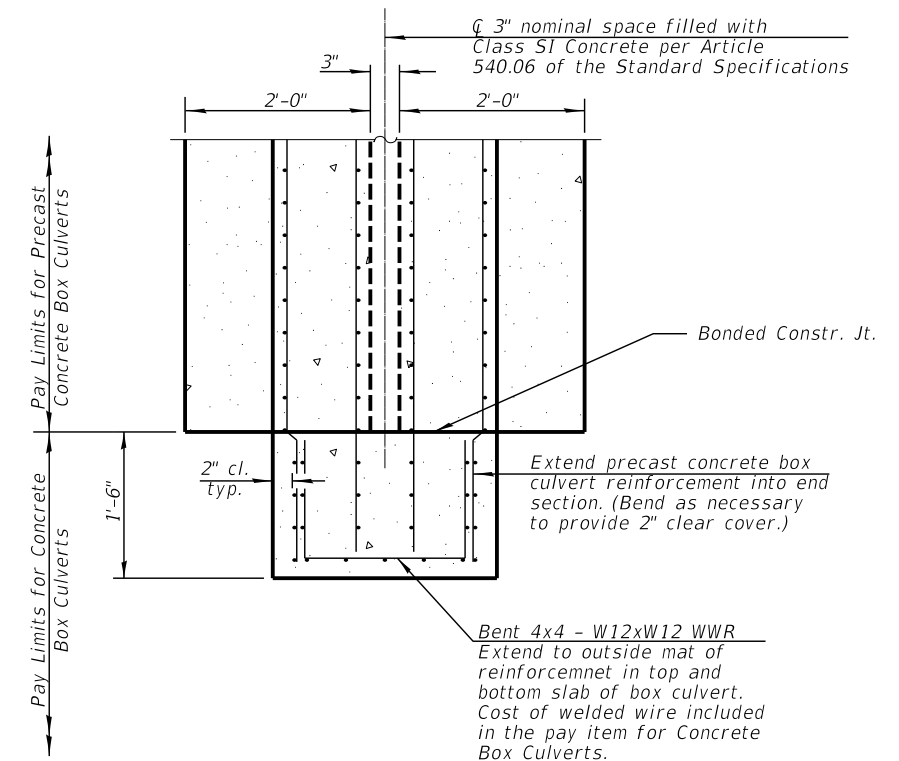
1. Perform excavation and construct toewall.
2. Backfill accordingly and prepare bedding for box culvert end sections.
3. Construct remainder of box culvert end section.

Note:

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



**DETAIL G**



**SECTION E-E**



USER NAME =	DESIGNED -	REVISED -
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PLOT DATE =	DRAWN -	REVISED -
	CHECKED -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CAST-IN-PLACE APRON END  
SECTION DETAILS - STRUCTURE NO. 084-2522

SHEET NO. 4 OF 5 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1573	102B-2	SANGAMON	37	20
CONTRACT NO. 72999				

ILLINOIS FED. AID PROJECT



# SOIL BORING LOG

Date 4/9/08

ROUTE FAS 1573 (IL 123) DESCRIPTION IL 123 over Richland Creek LOGGED BY M. Tappan

SECTION 108 B-2 LOCATION SW 1/4, SEC. 25, TWP. 17 N, RNG. 8 W, 3 PM

COUNTY Sangamon DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. 084-2522 (Pr)	D E P T H  H S  Qu T	B L O W S  Qu T	U C S  Qu T	M O I S T  T	Surface Water Elev. 592.6 ft	D E P T H  H S  Qu T	B L O W S  Qu T	U C S  Qu T	M O I S T  T
Station 084-0090 (Ex) 217+18					Stream Bed Elev. 590.2 ft				
BORING NO. 1 NW WW	(ft)	/6"	(tsf)	(%)	Groundwater Elev.:	(ft)	/6"	(tsf)	(%)
Station 216+88					First Encounter 587.9 ft				
Offset 16.0ft RT					Upon Completion 589.4 ft				
Ground Surface Elev. 604.4 ft					After Hrs. Plugged ft				

Light Brown Moist SILTY CLAY LOAM (Fill)	1				583.90				
	2	0.8	20						
	3	B							
Brown and Grey Moist SILT LOAM (Fill)	1				601.40				
w/ Brown and Dark grey Silty Clay fill seams	2	0.9	26						
	-5	B							
Olive Brown and Light Grey	1								
	2	1.0	26						
	3	B							
Olive Brown and Light Grey	1								
	2	1.2	21						
	4	S-13							
Olive and Dark Grey Moist SILTY CLAY LOAM	1				583.40				
	2	1.0	20						
	3	B							
Dark Grey Very Moist SILTY CLAY with some roots	0				591.40				
	1	0.4	33						
	-16	B							
Very Dark Grey Free Water	0								
	0	0.3	33						
	1	B							
Greyish Brown Moist CLAY LOAM (Till)	2				586.40				
	5	5.6	14						
	9	B							
	-20								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated) Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating 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)

File Name: S:\SOILSIGINT\FILES\SANGAMON\084-2522 RICHLAND CREEK.GPJ Data Template: D:\TEMP\LT.GDT Date Printed: 6/20/08  
Latitude: 39.533737N Longitude: 89.988440W Datum: NAD83 Job Number: D-96-531-05



# SOIL BORING LOG

Date 4/9/08

ROUTE FAS 1573 (IL 123) DESCRIPTION IL 123 over Richland Creek LOGGED BY M. Tappan

SECTION 108 B-2 LOCATION SW 1/4, SEC. 25, TWP. 17 N, RNG. 8 W, 3 PM

COUNTY Sangamon DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. 084-2522 (Pr)	D E P T H  H S  Qu T	B L O W S  Qu T	U C S  Qu T	M O I S T  T	Surface Water Elev. 592.6 ft	D E P T H  H S  Qu T	B L O W S  Qu T	U C S  Qu T	M O I S T  T
Station 084-0090 (Ex) 217+18					Stream Bed Elev. 590.2 ft				
BORING NO. 2 SE WW	(ft)	/6"	(tsf)	(%)	Groundwater Elev.:	(ft)	/6"	(tsf)	(%)
Station 217+42					First Encounter No Encounter ft				
Offset 15.0ft LT					Upon Completion Plugged ft				
Ground Surface Elev. 604.4 ft					After Hrs. Plugged ft				

Brown and Light Grey Moist SILT LOAM (Fill)	1								
	3	1.5	19						
	4	P							
	2								
	3	2.1	20						
	-5	S-12							
Light Brown and Olive Grey	1								
	3	1.7	25						
	5	B							
Olive Grey Moist SILTY CLAY LOAM (Fill)	1				595.40				
	2	0.8	25						
	-10	B							
Dark Grey Moist SILTY CLAY	1				593.40				
	2	0.5	25						
		B							
Light Grey Moist SILTY CLAY LOAM w/ Some Roots	0				591.40				
	1	0.5	24						
	-15	B							
Tan and Light Grey Moist SILT	1				587.90				
	5	1.4	17						
	7	S-10							
Brown and Grey Moist CLAY (Till)	2				586.40				
	2	2.0	25						
	5	B							
	-20								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated) Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating 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)

File Name: S:\SOILSIGINT\FILES\SANGAMON\084-2522 RICHLAND CREEK.GPJ Data Template: D:\TEMP\LT.GDT Date Printed: 6/20/08  
Latitude: 39.533737N Longitude: 89.988440W Datum: NAD83 Job Number: D-96-531-05



USER NAME =	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE =	DRAWN -	REVISED -
	CHECKED -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BORING LOGS  
STRUCTURE NO. 084-2522

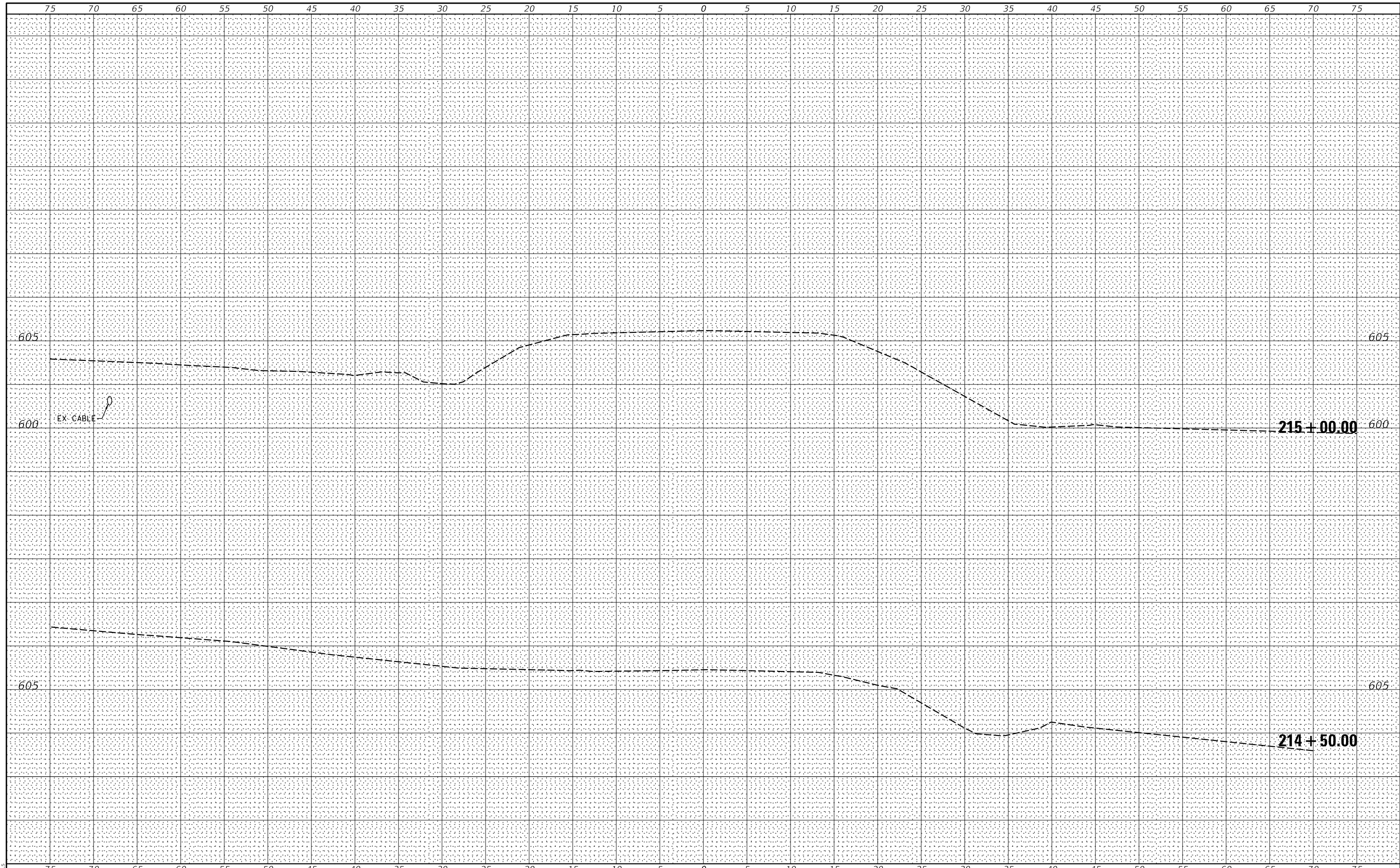
SHEET NO. 5 OF 5 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1573	102B-2	SANGAMON	34	21
CONTRACT NO. 72999				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: \$MODELNAME\$  
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PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

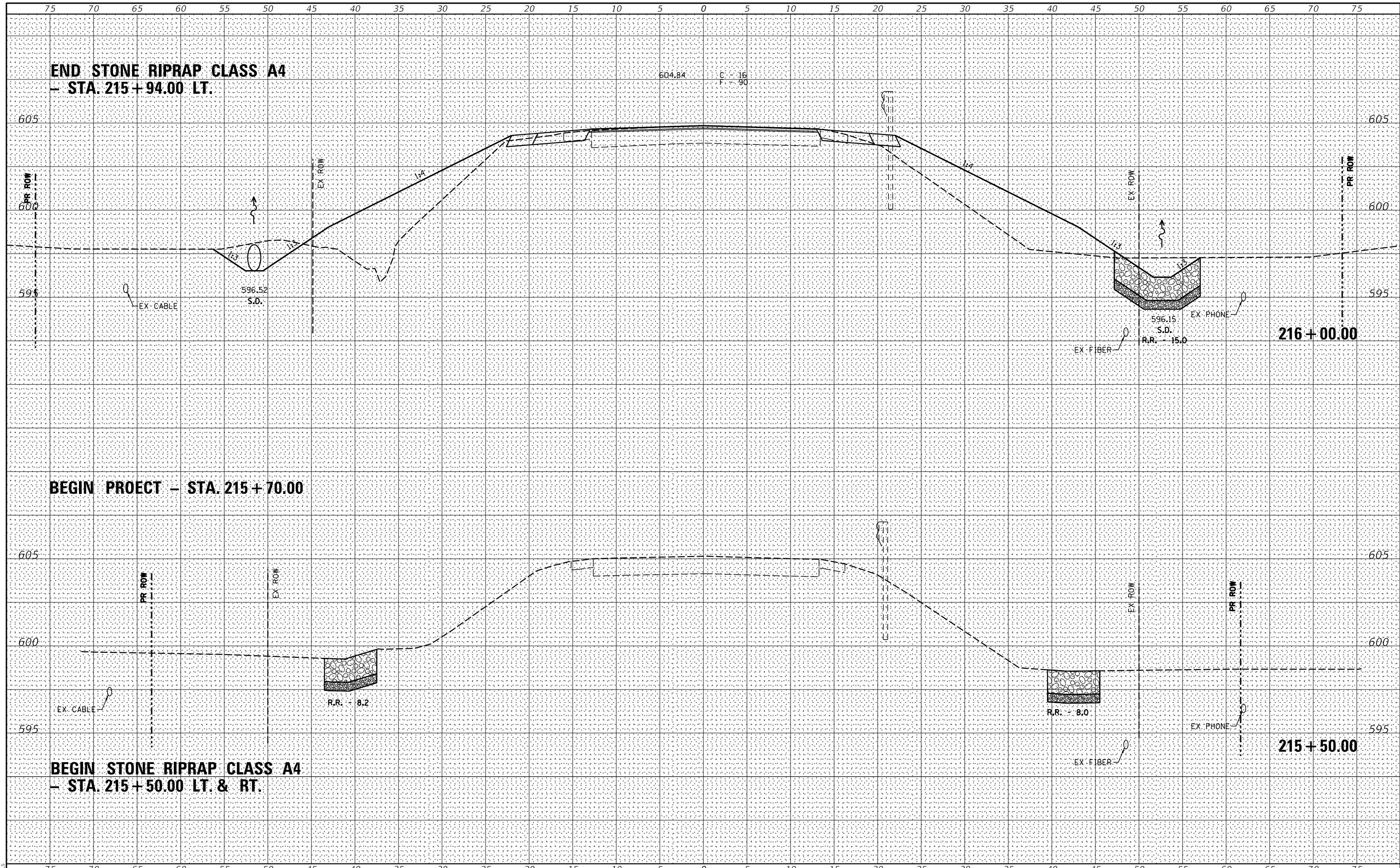
SCALE: SHEET OF SHEETS STA. 214+50.00 TO STA. 215+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1573	102B-2	SANGAMON	34	22
CONTRACT NO. 72999				
ILLINOIS		FED. AID PROJECT		

DATE	
BY	
FINISHED	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL	
SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = \$DATE\$	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 215+50.00 TO STA. 216+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1573	102B-2	SANGAMON	34	23
				CONTRACT NO. 72999
		ILLINOIS	FED. AID PROJECT	

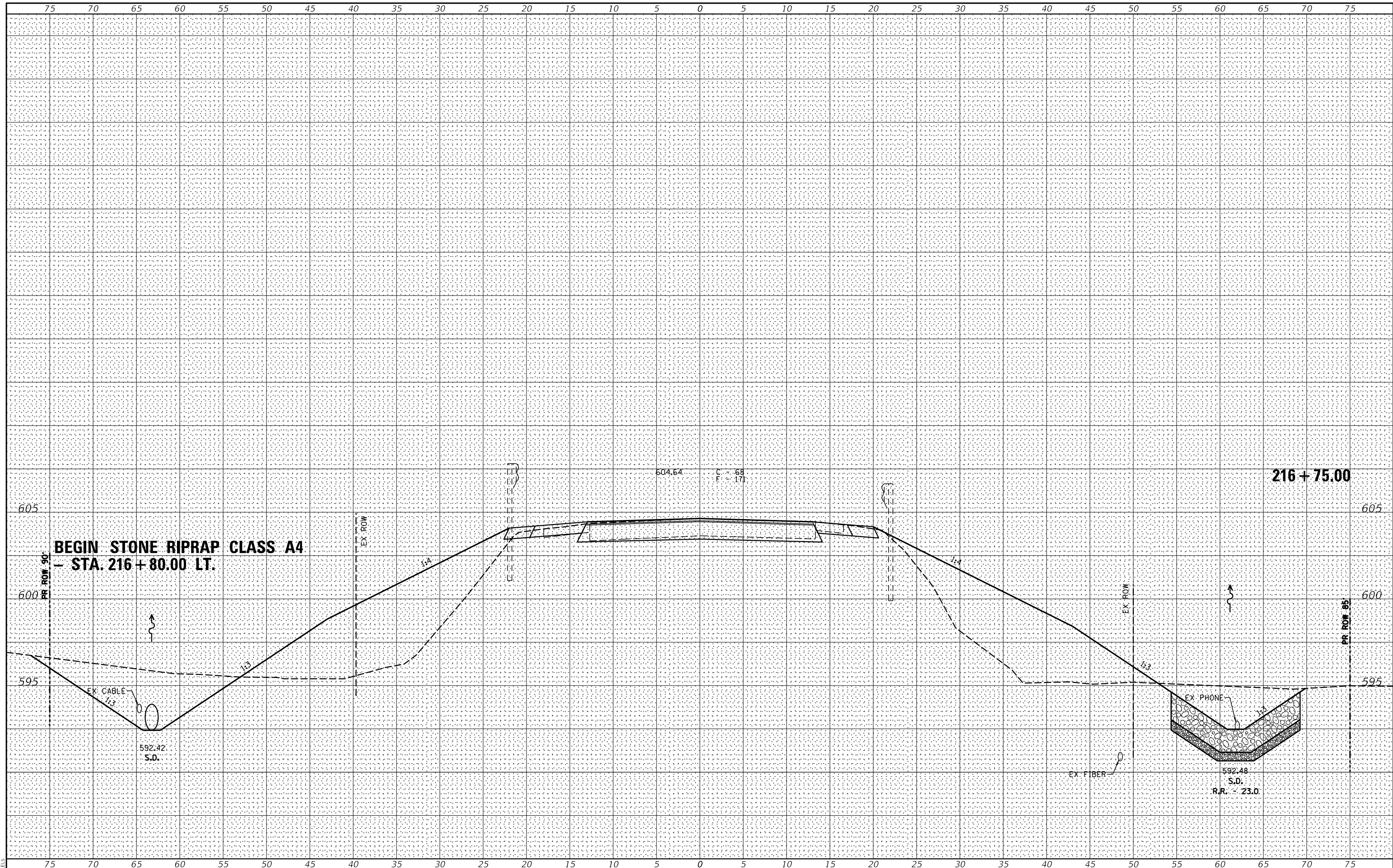




DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED

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

MODEL: \$MODELNAME\$  
FILE NAME: \$FILES\$



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

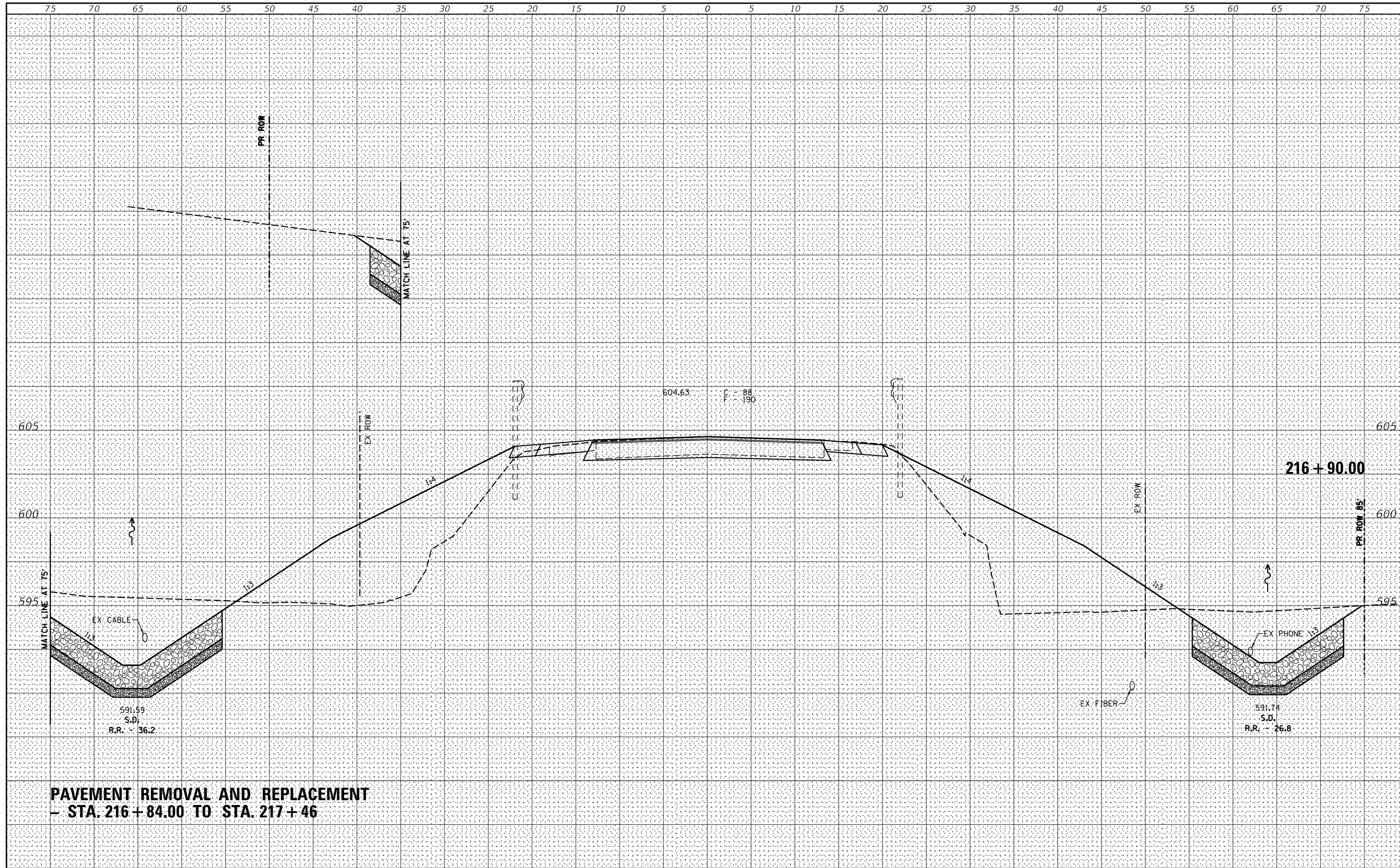
SCALE:		SHEET	OF	SHEETS	STA. 216+75.00	TO	STA. 216+75.00
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**CROSS SECTIONS**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1573	102B-2	SANGAMON	34	25
				CONTRACT NO. 72999
		ILLINOIS	FED. AID PROJECT	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
FINISH	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
FINISH	
NO.	



**PAVEMENT REMOVAL AND REPLACEMENT  
- STA. 216+84.00 TO STA. 217+46**

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	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = \$DATE\$	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS</b>	
SCALE:	SHEET OF SHEETS STA. 216+90.00 TO STA. 216+90.00

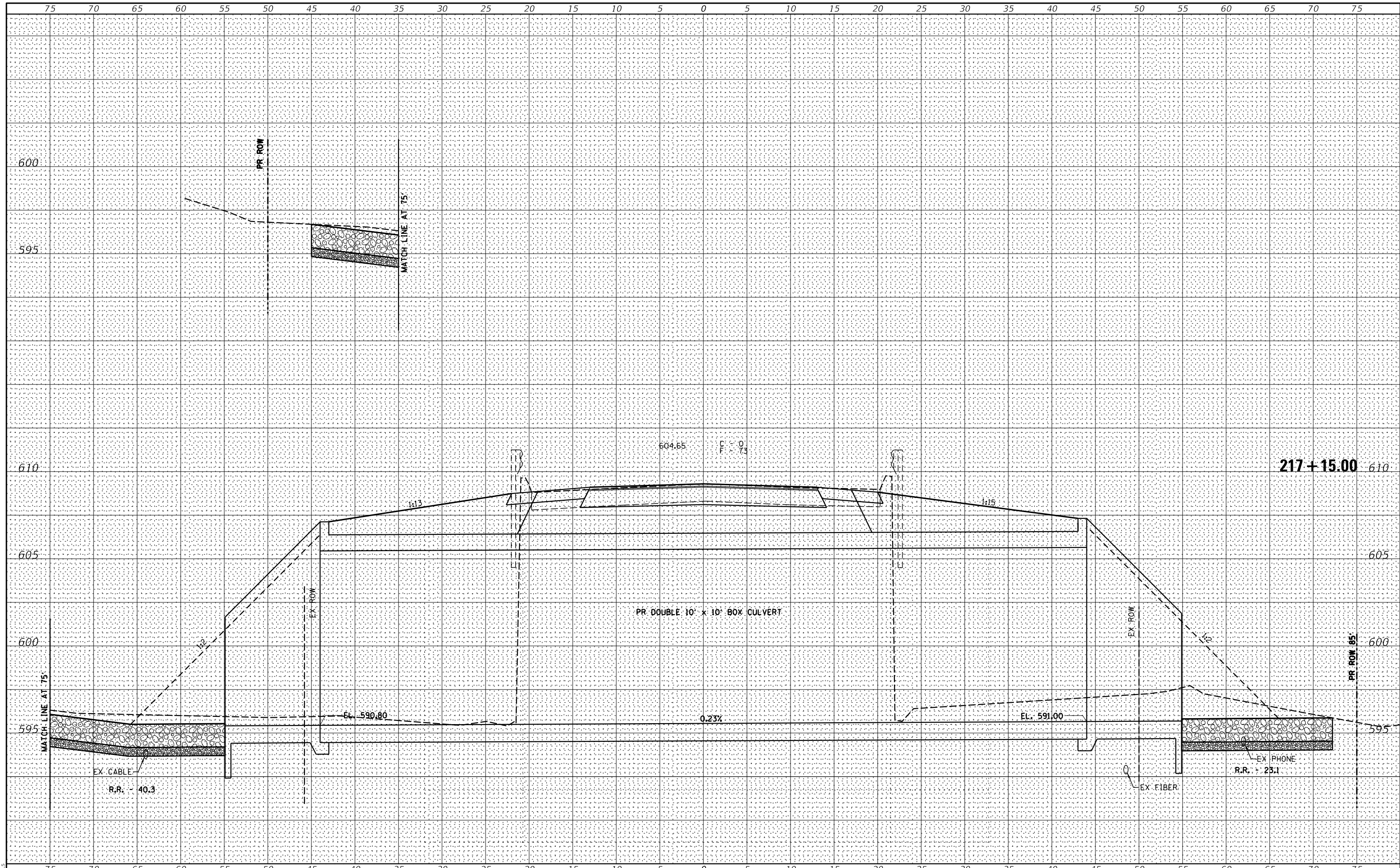
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1573	102B-2	SANGAMON	34	26
				CONTRACT NO. 72999
		ILLINOIS	FED. AID PROJECT	

MODEL: \$MODELNAME\$  
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DATE	
BY	
FINISHED SURVEY	
NOTED SURVEY	
PLOTTED SURVEY	
TEMPLATE SURVEY	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
NOTED SURVEY	
PLOTTED SURVEY	
TEMPLATE SURVEY	
AREAS CHECKED	
NO.	

MODEL: \$MODELNAME\$  
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PLOT DATE = \$DATE\$	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

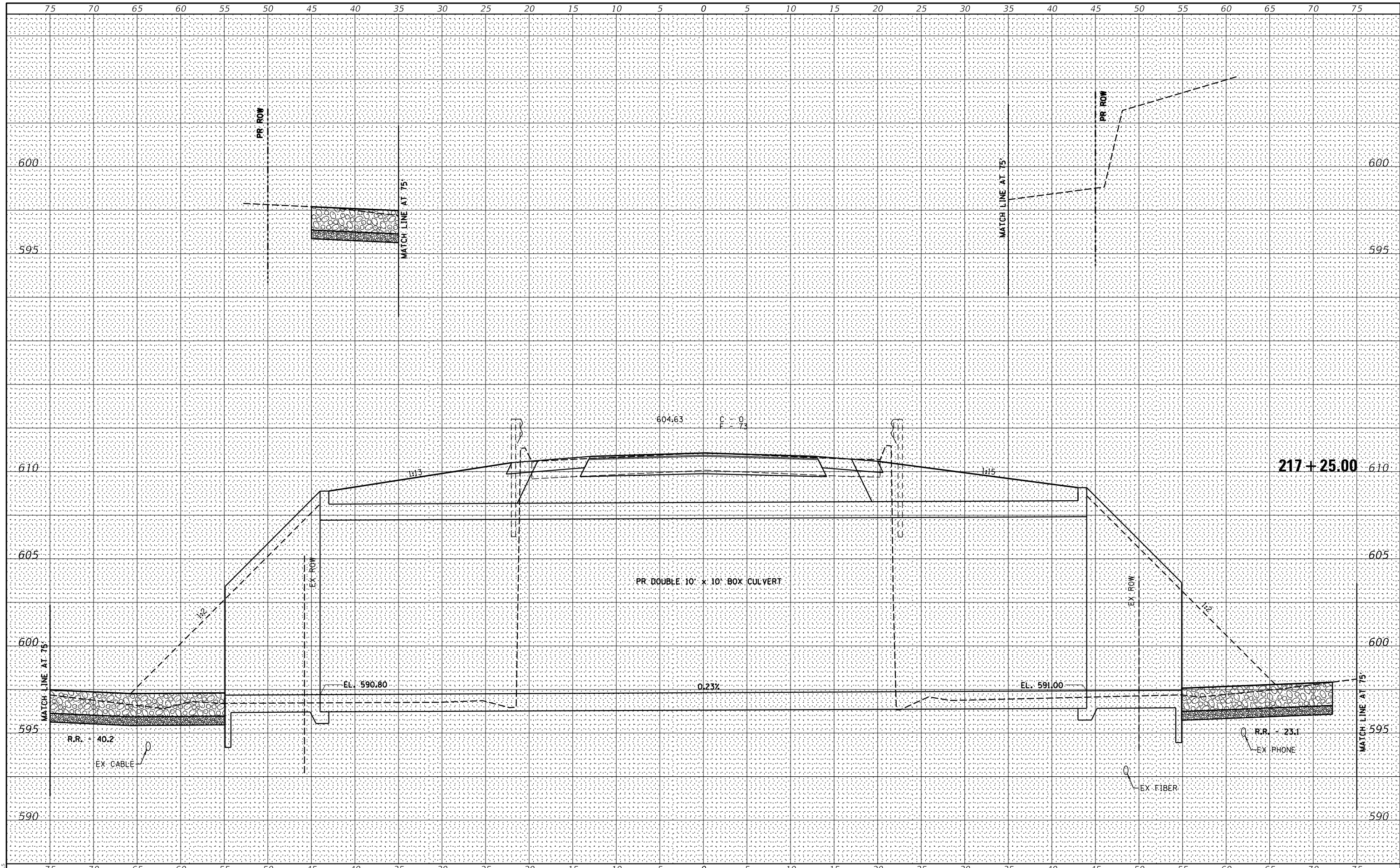
SCALE: SHEET OF SHEETS STA. 217+15.00 TO STA. 217+15.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1573	102B-2	SANGAMON	34	27
CONTRACT NO. 72999				
ILLINOIS		FED. AID PROJECT		

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

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

MODEL: SMODELNAMRES  
FILE NAME: STILES



USER NAME = \$USERS	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

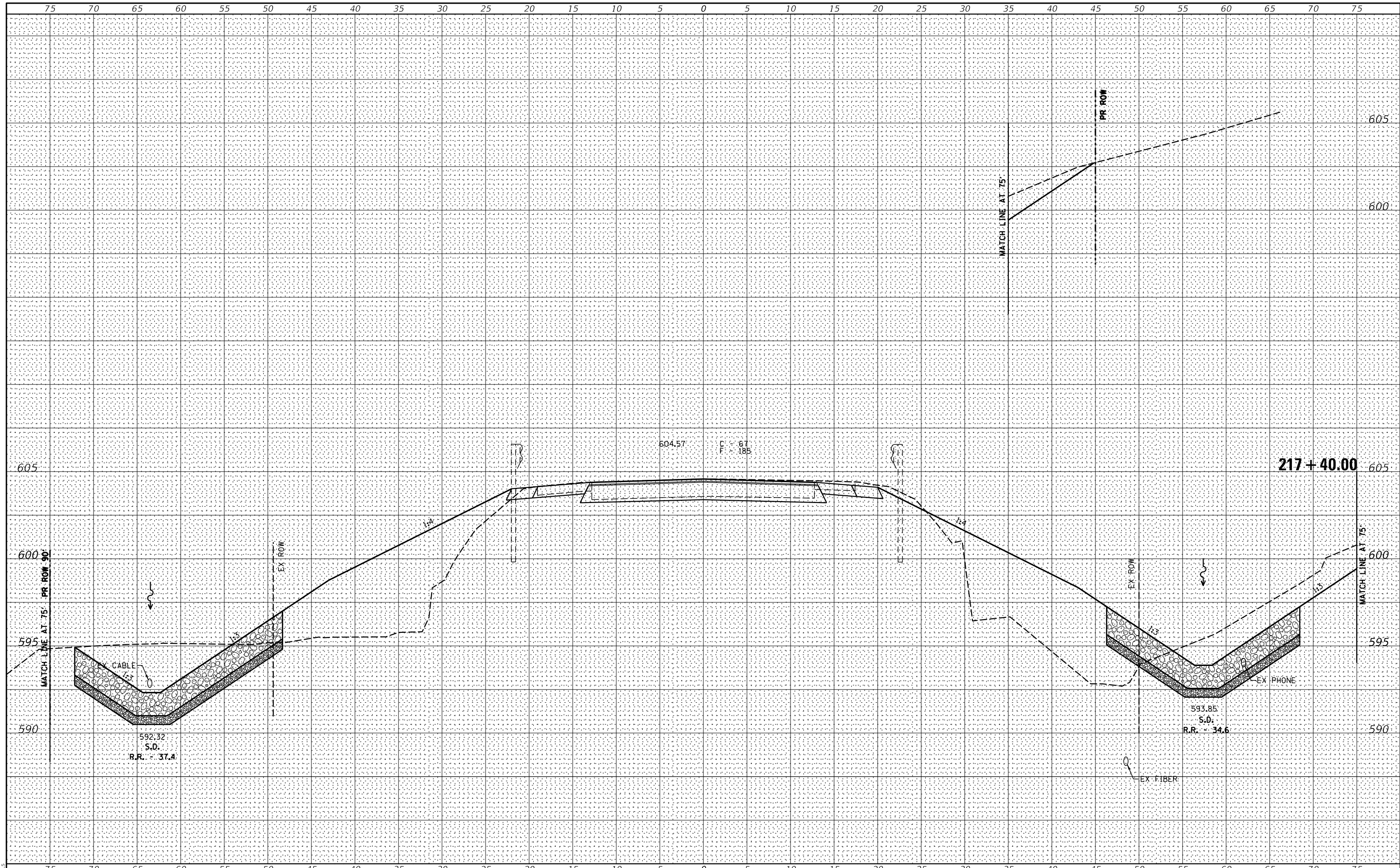
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1573	102B-2	SANGAMON	34	28
CONTRACT NO. 72999				
ILLINOIS		FED. AID PROJECT		

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

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

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PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = \$DATE\$	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

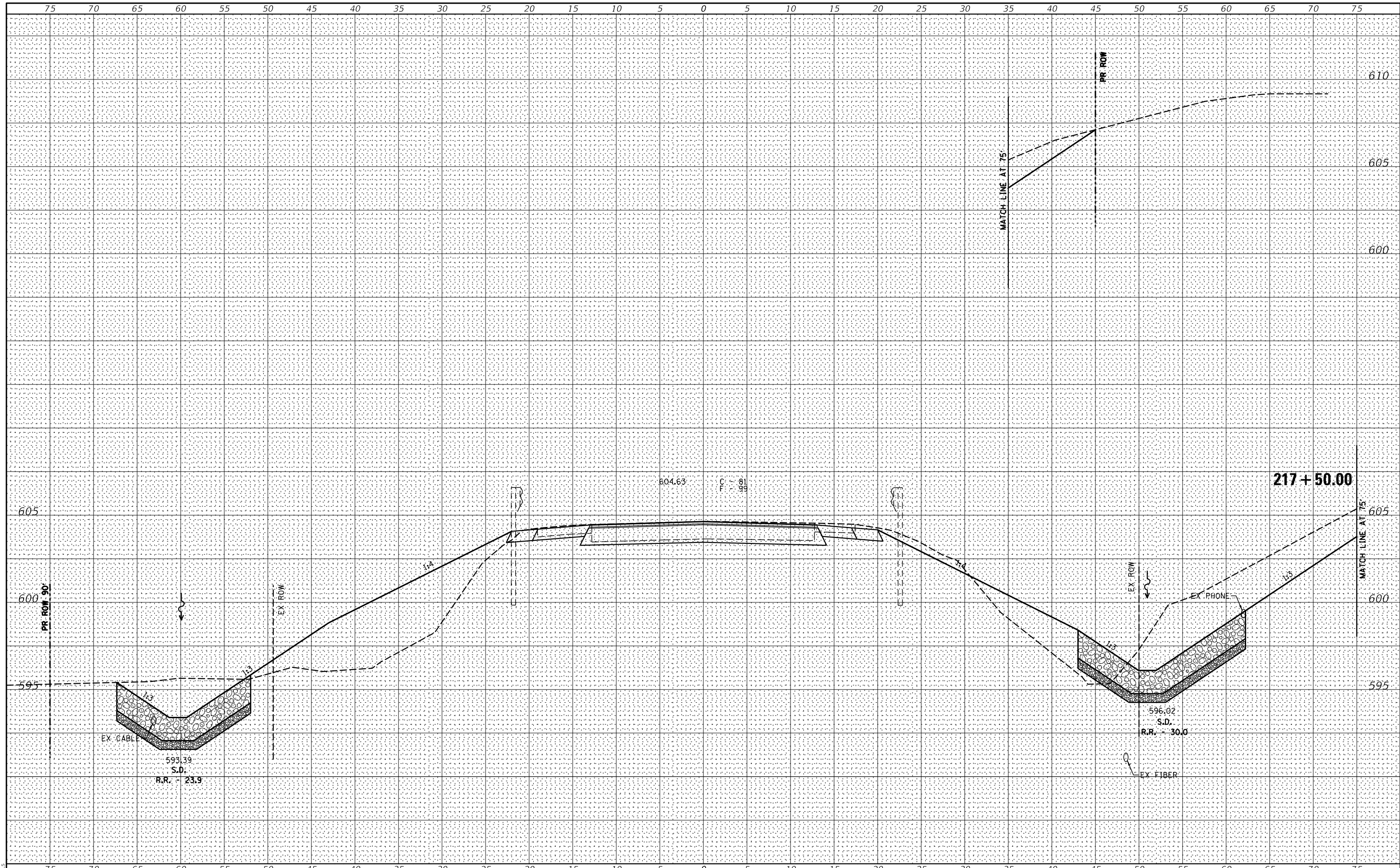
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1573	102B-2	SANGAMON	34	29
CONTRACT NO. 72999				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: \$MODELNAME\$  
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

USER NAME = \$USERS	DESIGNED -	REVISED -
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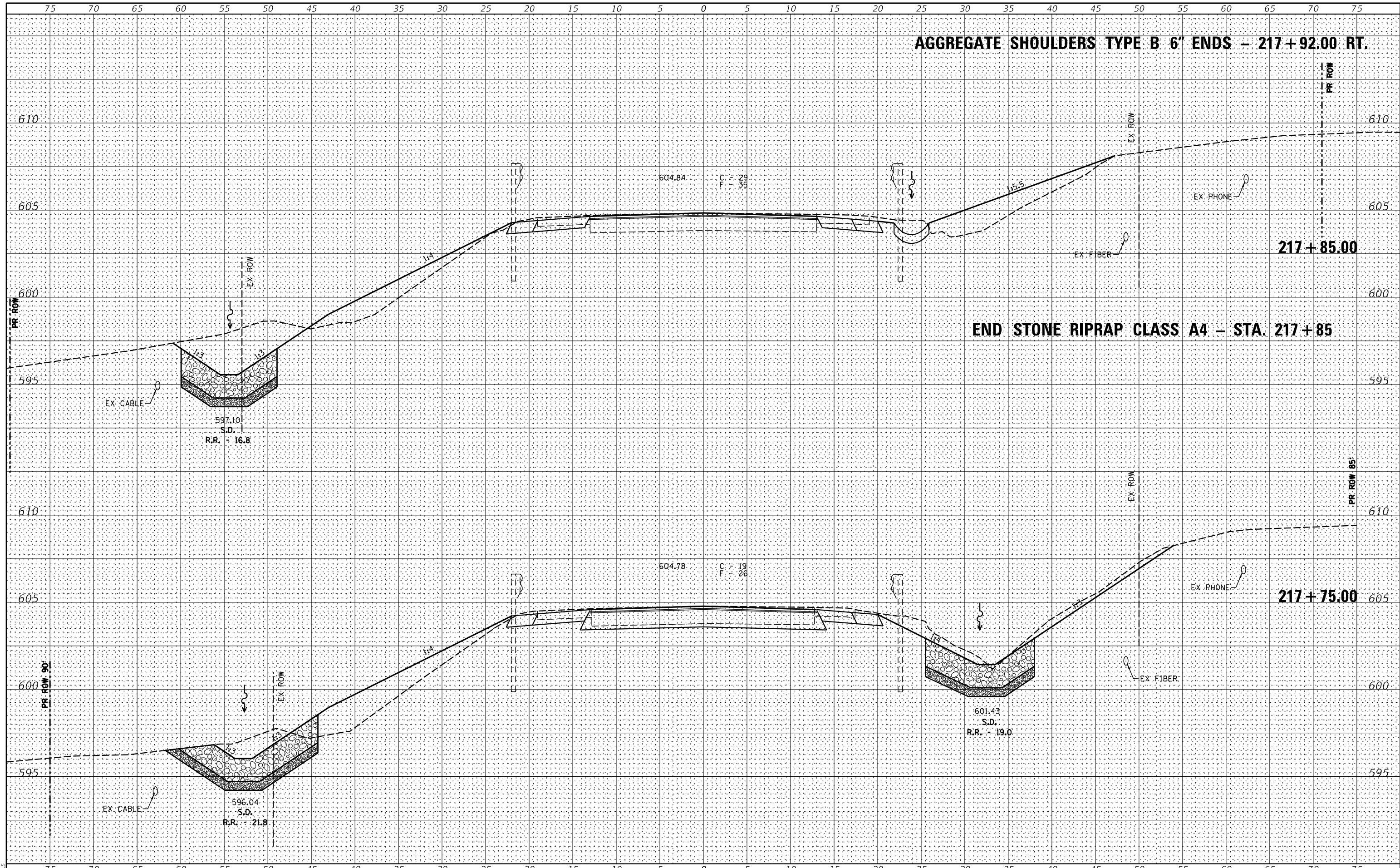
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1573	102B-2	SANGAMON	34	30
CONTRACT NO. 72999				
ILLINOIS		FED. AID PROJECT		

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

MODEL: \$MODELNAME\$  
FILE NAME: \$FILES\$



**AGGREGATE SHOULDERS TYPE B 6" ENDS - 217+92.00 RT.**

**END STONE RIPRAP CLASS A4 - STA. 217+85**

**217+85.00**

**217+75.00**

USER NAME = \$USERS	DESIGNED -	REVISED -
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PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = \$DATE\$	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 217+75.00 TO STA. 217+75.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1573	102B-2	SANGAMON	34	31
CONTRACT NO. 72999				
ILLINOIS		FED. AID PROJECT		

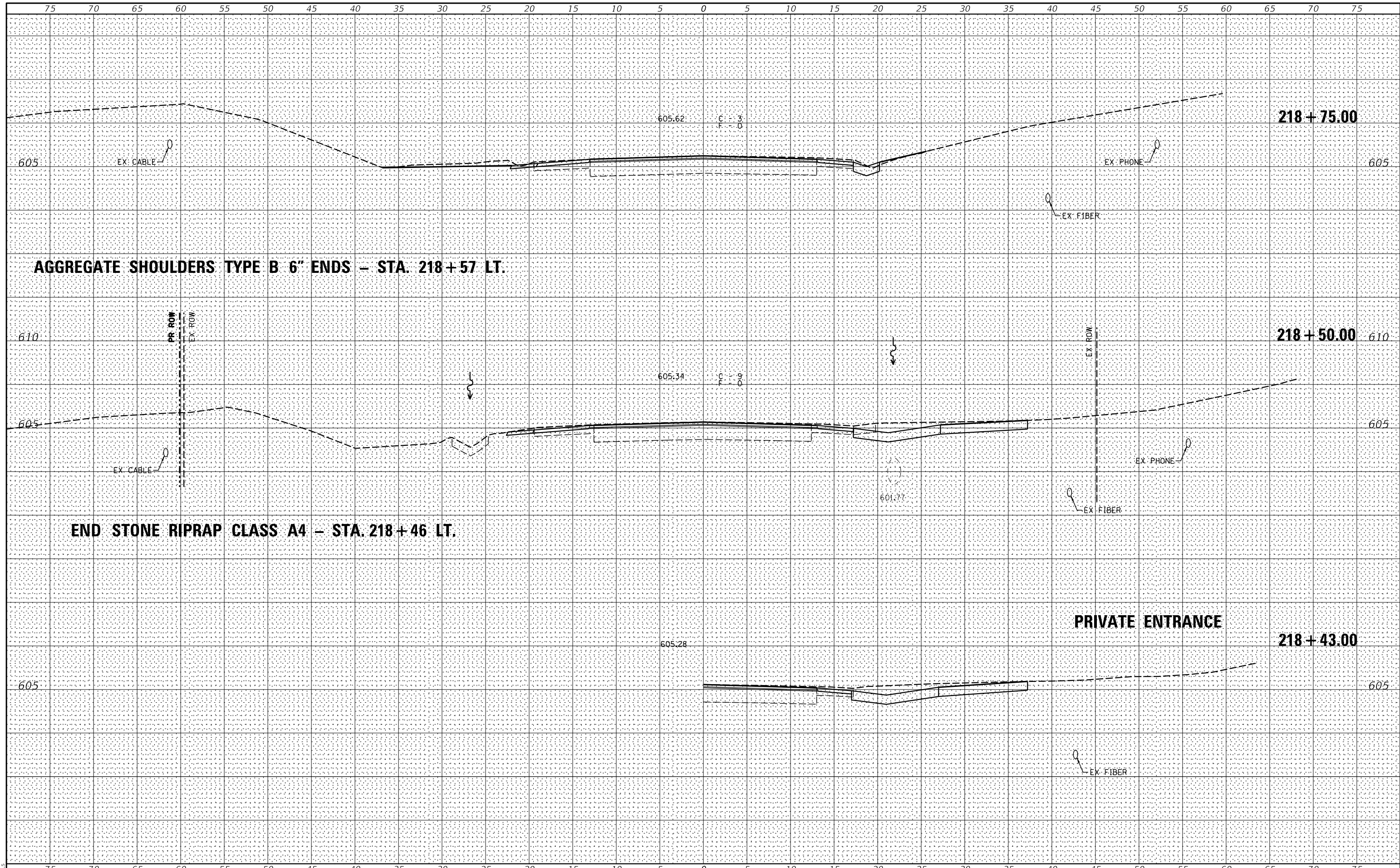




DATE	
BY	
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NOTE BOOK	PLOTTED
NO.	TEMPLATE
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	AREAS CHECKED

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

MODEL: SPODELMAMES  
FILE NAME: STILES



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	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = \$DATE\$	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 218+43.00 TO STA. 218+75.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1573	102B-2	SANGAMON	34	33
				CONTRACT NO. 72999
		ILLINOIS	FED. AID PROJECT	

