

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 1663	05-00064-00-RS	MOULTRIE	57	1
FED. ROAD DIST. NO.		ILLINOIS CONTRACT NO. 95766		

**INDEX OF SHEETS**

**SHEET NO. DESCRIPTION**

- 1. COVER SHEET
- 2. GENERAL NOTES, STANDARDS & MIX REQUIREMENTS
- 3. SUMMARY OF QUANTITIES
- 4.-5. TYPICAL CROSS SECTIONS
- 6.-8. SCHEDULE OF QUANTITIES
- 9.-23. PLAN AND PROFILE SHEETS
- 24. ENTRANCE DETAILS
- 25.-28. MISCELLANEOUS DETAILS SHEETS
- 29.-30. CULVERT DETAILS
- 31.-52. STATION CROSS SECTIONS
- 53.-57. CROSS ROAD PIPE SECTIONS

FOR HIGHWAY STANDARDS SEE SHT. 2

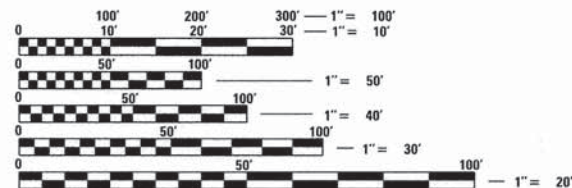
**UTILITIES**

CITY OF SULLIVAN (GAS/ WATER/SEWER)  
2 WEST HARRISON ST.  
SULLIVAN, IL 61951  
RICK BARNES (GAS)

COLES-MOULTRIE ELECTRIC CO.  
104 DEWITT AVE. EAST  
P.O. BOX 709  
MATTOON, IL 61938  
JIM WALLACE 217-258-5815

MOULTRIE CO RURAL PUBLIC WATER DISTRICT  
1070 ILLINOIS 32  
SULLIVAN, IL 61951  
ANGELA EMEL 217-728-8842

METRO COMMUNICATIONS COMPANY  
8TH SOUTH WASHINGTON ST. SUITE 200  
SULLIVAN, IL 61951  
ZACHARY HORN 217-728-2728



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.

**CONTRACT NO. 95766**

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

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

**PLANS FOR PROPOSED  
SURFACE TRANSPORTATION-RURAL  
PUBLIC LANDS ACCESS PROGRAM**

**MOULTRIE COUNTY  
F.A.S. 1663 /WILBORN CREEK ROAD (C.H. 5, C.H. 16, T.R. 161B)  
SECTION 05-00064-00-RS  
RESURFACING  
PROJECT FLAP -1663(102)  
JOB #C-97-048-14**



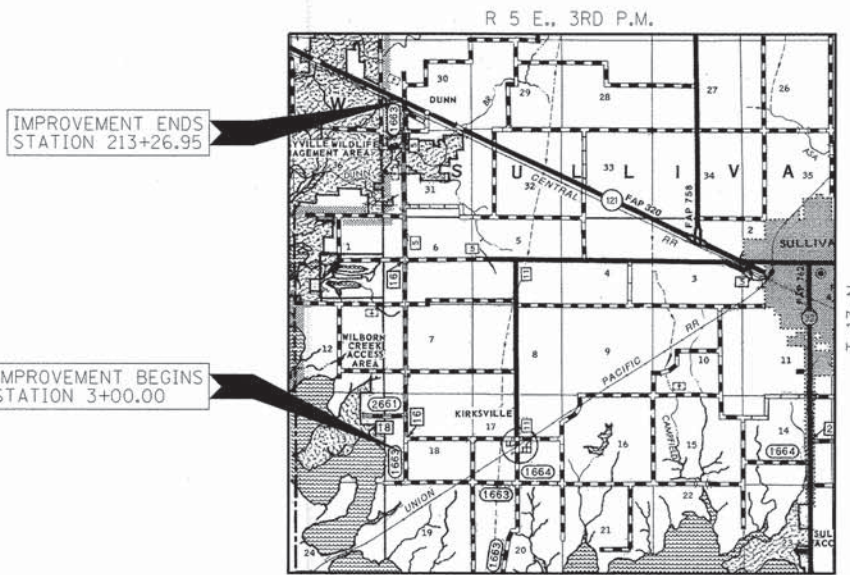
FUNCTIONAL CLASSIFICATION: MAJOR COLLECTOR  
DESIGN SPEED: 40 MPH  
DESIGN TRAFFIC: 600 ADT (2014) ADT 700 (2024)

**ILLINOIS DEPARTMENT OF TRANSPORTATION**

APPROVED: 10/28 20 15  
*[Signature]*  
COUNTY ENGINEER

PASSED: 11-18 20 15  
*[Signature]*  
DISTRICT SEVEN ENGINEER OF LOCAL ROADS & STREETS

Releasing For Bid Based on Limited Review: 11-18 20 15  
*[Signature]*  
DEPUTY DIRECTOR OF HIGHWAYS  
REGION FOUR ENGINEER  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



**LOCATION MAP**

APPROXIMATE SCALE: 0 1 MILE

GROSS LENGTH OF SECTION = 21,026.95 FEET = 3.982 MILES  
NET LENGTH OF SECTION = 21,026.95 FEET = 3.982 MILES



**HAMPTON, LENZINI AND RENWICK, INC.**  
CIVIL ENGINEERS • STRUCTURAL ENGINEERS • LAND SURVEYORS  
3085 STEVENSON DRIVE, SUITE 201  
SPRINGFIELD, ILLINOIS 62703  
217.546.3400 www.hirengineering.com

184.000959  
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORPORATION

PROJECT NUMBER: 07.0125.330 DATE: 01/21/15

**GENERAL NOTES**

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2012," THESE PLANS AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL PROVIDE ACCESS TO ALL SIDEROADS, AND ALL PRIVATE, COMMERCIAL AND FIELD ENTRANCES AT ALL TIMES. TEMPORARY CLOSURES SHALL BE APPROVED BY THE ENGINEER.
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

AGGREGATE BASE COURSE, TYPE A	2.05 TON / CU. YD.
BITUMINOUS MATERIALS (PRIME COAT) ON HMA:	
ON AGGREGATE BASE	0.25 LBS / SQ. YD.
ON MILLED HMA	0.050 LBS / SQ. YD.
FOG COAT	0.025 LBS / SQ. YD.
BITUMINOUS MATERIALS (PRIME COAT) ON AGG (A-3)	0.4 GAL / SQ. YD.
BITUMINOUS MATERIALS (COVER COAT)	0.4 GAL / SQ. YD.
BITUMINOUS MATERIALS (SEAL COAT)	0.4 GAL / SQ. YD.
COVER COAT AGGREGATE	25 LBS / SQ. YD.
SEAL COAT AGGREGATE	25 LBS / SQ. YD.
CIR-FDR EMULSIFIED ASPHALT	1.1 GAL / SQ. YD.
AGGREGATE SHOULDER WEDGE, TYPE B	2.05 TON / CU. YD.
LEVELING BINDER	112 LBS / SQ. YD. / INCH THICKNESS
HMA BINDER COURSE	112 LBS / SQ. YD. / INCH THICKNESS
HMA SURFACE COURSE	112 LBS / SQ. YD. / INCH THICKNESS
STONE RIPRAP CLASS A4	1.75 TON / CU. YD.

- ALL CLEARING, GRUBBING, FENCE REMOVAL, AND TREE REMOVAL SHALL BE COMPLETED BY THE CONTRACTOR. THE REMOVAL OF EXISTING END SECTIONS SHALL BE INCLUDED IN THE COST OF PIPE CULVERT REMOVAL. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEM BEING CONSTRUCTED.
- CONTRACTOR SHALL APPLY A FOG COAT TO ANY CIP SURFACE THAT IS OPENED TO TRAFFIC BEFORE HMA IS APPLIED.

**ALIGNMENT DATA**

STATION	NORTHING	EASTING
POT 0+03.29	1056841.9340	882610.7319
PI 5+00.444	1057339.0815	882609.1559
PC 3+46.20	1057184.8476	882609.6448
PT 6+54.59	1057493.1089	882617.1874
PI 9+52.93	1057791.0362	882632.7226
PC 8+00.20	1057638.5193	882624.7698
PT 11+05.57	1057943.7598	882632.3211
POT 13+02.85	1058141.0350	882631.8024
PI 26+36.43	1059474.6104	882628.2961
PI 52+91.16	1062128.9103	882580.2692
PI 66+02.08	1063439.8258	882576.8472
PI 77+01.99	1064539.6509	882563.1796
PI 92+69.53	1066107.1395	882550.4809
PI 119+15.66	1068753.2678	882550.9403
PI 145+37.51	1071374.9846	882577.3723
PI 169+77.79	1073814.8452	882532.5316
PC 168+07.83	1073644.9232	882535.6545
PT 171+47.64	1073984.2833	882519.3426
PI 174+44.42	1074280.1678	882496.3111
PC 171+61.36	1073997.9622	882518.2779
PT 177+27.04	1074563.1811	882501.4073
PI 195+49.06	1076384.9023	882534.2108
PC 192+64.78	1076191.4083	882530.7266
PT 197+42.00	1076577.1069	882511.6399
PI 208+81.74	1077709.0733	882378.7112
PC 206+96.28	1077524.8806	882400.3413
PT 210+62.64	1077887.9725	882427.5978
POT 214+68.44	1078279.4219	882534.5666

**HIGHWAY STANDARDS**

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
- 001001-02 AREAS OF REINFORCEMENT BARS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
- 442201-03 CLASS C AND D PATCHES
- 542301-03 PRECAST REINFORCED CONCRETE FLARED END SECTION
- 542306-02 PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
- 604036-03 GRATE TYPE B
- 666001-01 RIGHT -OF-WAY MARKERS
- 701011-04 OFF-ROAD MOVING OPERATIONS 2L, 2W, DAY ONLY
- 701201-04 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
- 701306-03 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS - DAY ONLY FOR SPEEDS > 45 MPH
- 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS, DAY ONLY
- 701336-06 LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS > 45 MPH
- 701901-04 TRAFFIC CONTROL DEVICES
- 780001-05 TYPICAL PAVEMENT MARKINGS
- BLR 21-9 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
- BLR 24-2 MAILBOX TURNOUTS

**MIXTURE REQUIREMENTS**

LOCATION(S):	F.A.S. 1663 / C.H.5, C.H.16, & TR161B
MIXTURE USE(S):	HOT-MIX ASPHALT SURFACE COURSE, INCIDENTAL HOT-MIX ASPHALT SURFACING
AC/PG:	PG 64-22
RAP % (MAX):	SEE BDE 80322
DESIGN AIR VOIDS:	4% @ Ndes 50
MIXTURE COMPOSITION: (GRADATION MIXTURE):	IL 9.5
FRICITION AGGREGATE:	MIXTURE C
MIXTURE WEIGHTS:	112 LBS. \ SQ. YD. \ INCH

**MIXTURE REQUIREMENTS**

LOCATION(S):	F.A.S. 1663 / TR161B
MIXTURE USE(S):	HOT-MIX ASPHALT BINDER COURSE
AC/PG:	PG 64-22
RAP % (MAX):	SEE BDE 80322
DESIGN AIR VOIDS:	4% @ Ndes 50
MIXTURE COMPOSITION: (GRADATION MIXTURE):	IL 19.0
FRICITION AGGREGATE:	NONE
MIXTURE WEIGHTS:	112 LBS \ SY \ INCH THICKNESS

**MIXTURE REQUIREMENTS**

LOCATION(S):	F.A.S. 1663 / C.H.5, C.H.16
MIXTURE USE(S):	LEVELING BINDER (MACHINE METHOD), N50
AC/PG:	PG 64-22
RAP % (MAX):	SEE BDE 80322
DESIGN AIR VOIDS:	4% @ Ndes 50
MIXTURE COMPOSITION: (GRADATION MIXTURE):	IL-4.75
FRICITION AGGREGATE:	NONE
MIXTURE WEIGHTS:	112 LBS. \ SQ. YD. \ INCH

SUMMARY OF QUANTITIES			
CODE #	ITEM	UNIT	TOTAL QUANTITY
20200100	EARTH EXCAVATION	CU YD	2357
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	131
28000305	TEMPORARY DITCH CHECKS	FOOT	68
28000400	PERIMETER EROSION BARRIER	FOOT	5474
28000500	INLET AND PIPE PROTECTION	EACH	2
35100100	AGGREGATE BASE COURSE, TYPE A	TON	2897
40200100	AGGREGATE SURFACE COURSE, TYPE A	TON	171
40300100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1067
40300300	BITUMINOUS MATERIALS (COVER AND SEAL COATS)	GALLON	2667
40300500	COVER COAT AGGREGATE	TON	58
40300600	SEAL COAT AGGREGATE	TON	28
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	38765
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	1919
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	337
40600990	TEMPORARY RAMP	SQ YD	368
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	445
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	3516
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	153
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	8
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SQ YD	103
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SQ YD	382
48101200	AGGREGATE SHOULDERS, TYPE B	TON	330
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	5937
50105220	PIPE CULVERT REMOVAL	FOOT	688
50800105	REINFORCEMENT BARS	POUND	2130
54002010	EXPANSION BOLTS, 1/2 INCH	EACH	24
54003000	CONCRETE BOX CULVERTS	CU YD	10.4
542A0217	PIPE CULVERTS, CLASS A, TYPE 1 12"	FOOT	42
542A0220	PIPE CULVERTS, CLASS A, TYPE 1 15"	FOOT	55
542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	34
542A0241	PIPE CULVERTS, CLASS A, TYPE 1 36"	FOOT	128

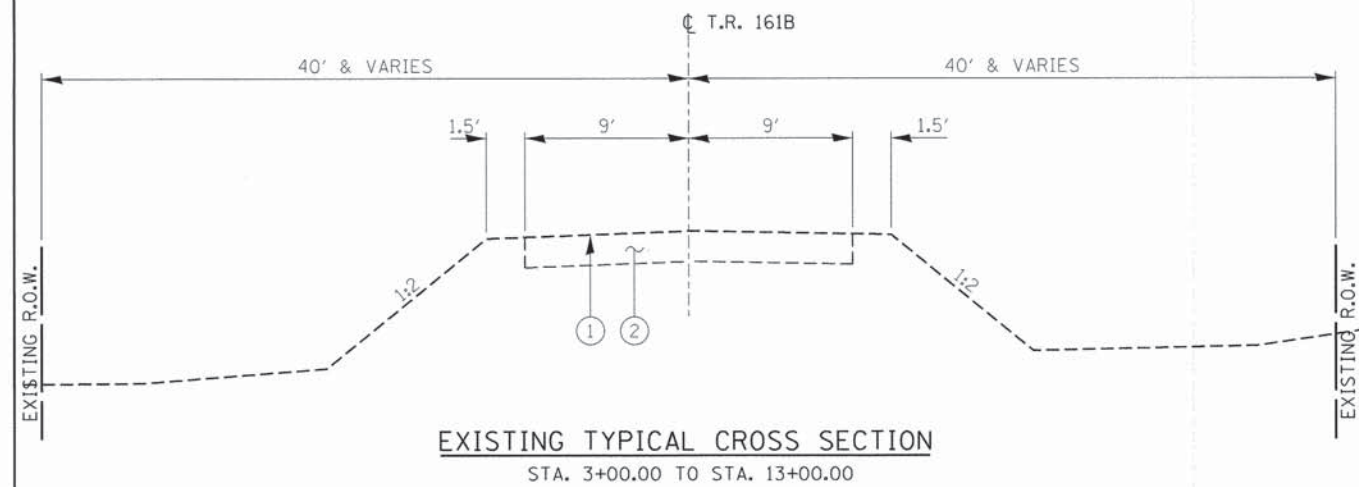
^ SEE SPECIAL PROVISIONS

SUMMARY OF QUANTITIES			
CODE #	ITEM	UNIT	TOTAL QUANTITY
542A0277	PIPE CULVERTS, CLASS A, TYPE 1 72"	FOOT	48
542A1075	PIPE CULVERTS, CLASS A, TYPE 2 30"	FOOT	62
542A1081	PIPE CULVERTS, CLASS A, TYPE 2 36"	FOOT	112
542A1117	PIPE CULVERTS, CLASS A, TYPE 2 72"	FOOT	76
542A5476	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 21"	FOOT	64
542A5497	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 42"	FOOT	48
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	2
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	3
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	2
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	2
54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	6
54213717	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 72"	EACH	4
54214508	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 21"	EACH	4
54214527	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 42"	EACH	2
550A0050	STORM SEWERS, CLASS A TYPE 1 12"	FOOT	45
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	630
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	2
60500060	REMOVING INLETS	EACH	1
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	3
67100100	MOBILIZATION	L SUM	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	7022
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	54437
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	54437
LR400005	CIR-FDR EMULSIFIED ASPHALT	GALLON	50355
LR400745	COLD IN-PLACE RECYCLING, 4.5"	SQ YD	45777
X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	1.50
X2610208	STONE RIPRAP, CLASS A4 (SPECIAL)	TON	282
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
XX006922	RUMBLE STRIP REMOVAL	EACH	6
Z0055300	RUMBLE STRIP	EACH	6
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1

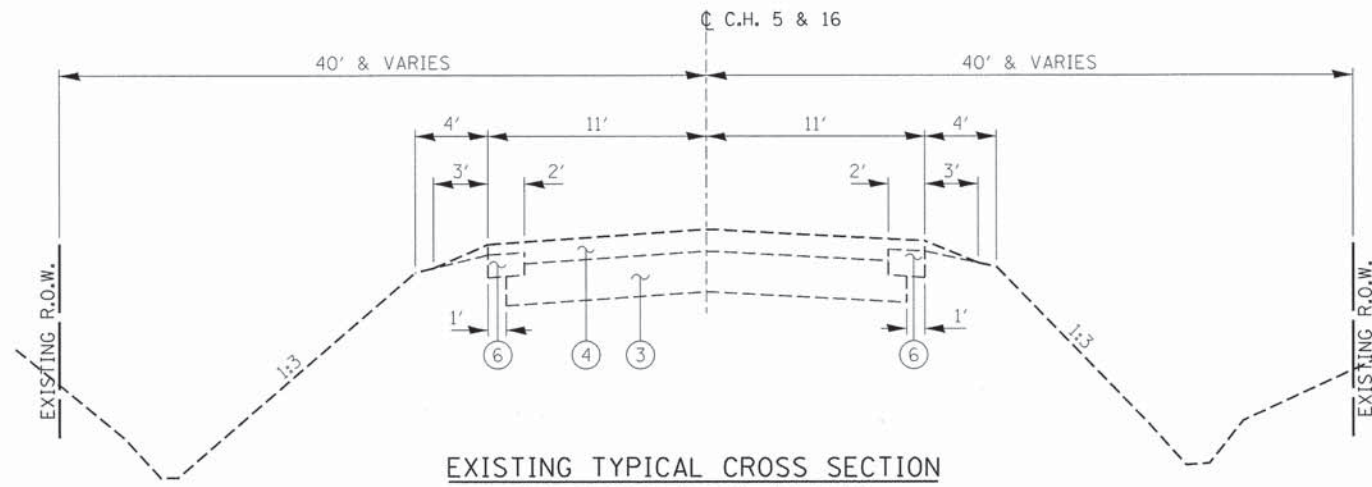
^ SEE SPECIAL PROVISIONS

\* SPECIALTY ITEMS

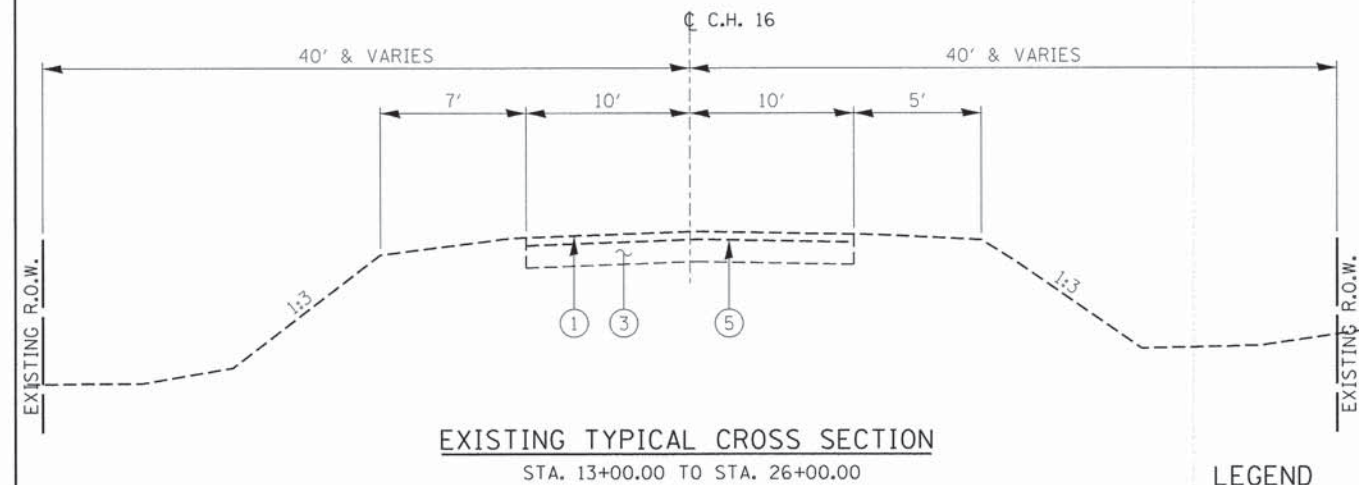
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HAMPTON, LENZINI AND RENWICK, INC. 303 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62761	PLOT SCALE = #SCALE#	DRAWN - T.W.K.	REVISED -		1663	05-00064-00-RS	MOULTRIE	57	3		
ILLINOIS PROFESSIONAL DESIGN FIRM L3 / PE / SE CORP. 184.020953	PLOT DATE = 12/2/2015	CHECKED - S.W.M.	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.		CONTRACT NO. 95766		ILLINOIS FED. AID PROJECT		
		DATE - 01/21/15	REVISED -								



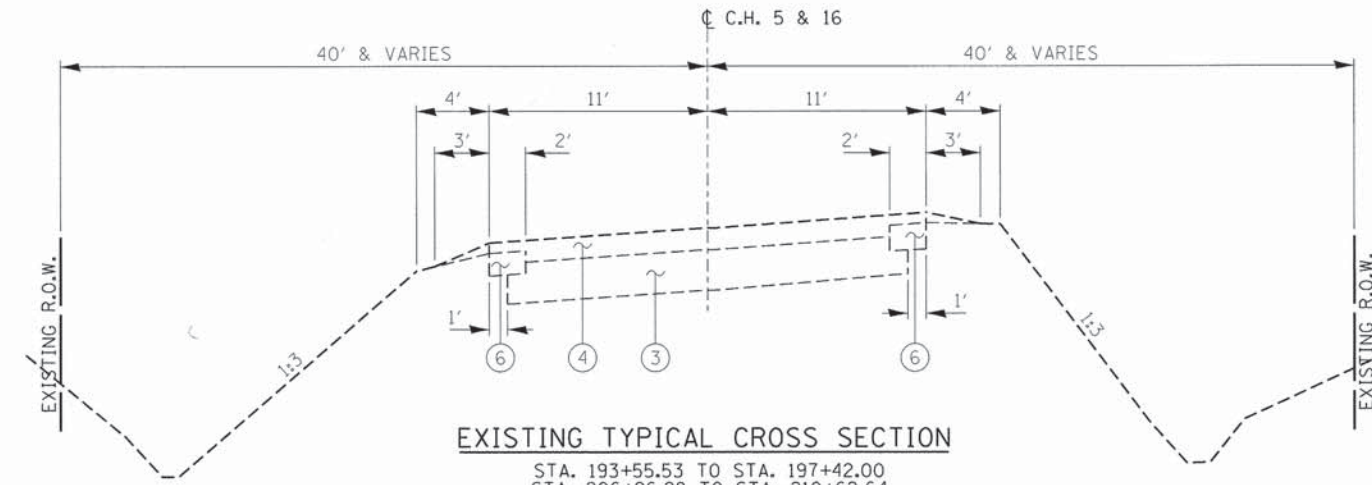
EXISTING TYPICAL CROSS SECTION  
STA. 3+00.00 TO STA. 13+00.00



EXISTING TYPICAL CROSS SECTION  
STA. 26+00.00 TO STA. 193+55.33  
STA. 197+42.00 TO STA. 206+96.28  
STA. 210+62.64 TO STA. 213+26.95



EXISTING TYPICAL CROSS SECTION  
STA. 13+00.00 TO STA. 26+00.00



EXISTING TYPICAL CROSS SECTION  
STA. 193+55.53 TO STA. 197+42.00  
STA. 206+96.28 TO STA. 210+62.64

LEGEND

- ① EXISTING OIL AND CHIP SURFACE
- ② EXISTING AGGREGATE BASE COURSE 8"
- ③ EXISTING LIME STABILIZED SOIL 8"
- ④ EXISTING HOT-MIX ASPHALT SURFACE 5 3/4"
- ⑤ EXISTING HOT-MIX ASPHALT SURFACE 3"
- ⑥ EXISTING BASE COURSE WIDENING 6"
- ⑦ HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50 (1 3/4" THICKNESS MIN.)
- ⑧ LEVELING BINDER (MACHINE METHOD) N50 (3/4" MINIMUM THICKNESS)
- ⑨ BITUMINOUS MATERIALS (PRIME COAT)
- ⑩ BITUMINOUS SURFACE TREATMENT A-3 (0.1' ESTIMATED THICKNESS)
- ⑪ HOT-MIX ASPHALT SURFACE REMOVAL, BUTT-JOINT
- ⑫ AGGREGATE WEDGE SHOULDER, TYPE B
- ⑬ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (2 1/2" THICKNESS)
- ⑭ AGGREGATE BASE COURSE, TYPE A
- ⑮ COLD-IN-PLACE RECYCLING, BITUMINOUS CONCRETE PAVEMENT, 4 1/2"
- ⑯ AGGREGATE SHOULDER, TYPE B 4"
- ⑰ HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50 (1 1/4" THICKNESS MIN.)

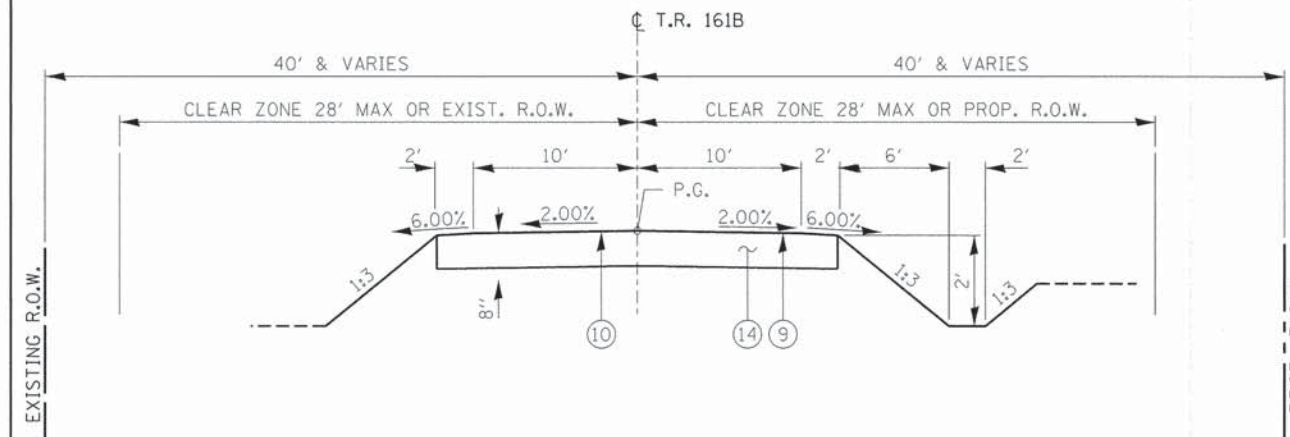
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HAMPTON, LENZINI AND RENWICK, INC. 2593 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62761		DRAWN - T.W.K.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000963	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 10/23/2015	DATE - 01/21/15	REVISED -

STATE OF ILLINOIS  
MOULTRIE COUNTY HIGHWAY DEPARTMENT

TYPICAL CROSS SECTIONS  
WILBORN CREEK ROAD C.H. 5 & 16, T.R. 161B

SCALE: SHEET NO. 1 OF 2 SHEETS STA. TO STA.

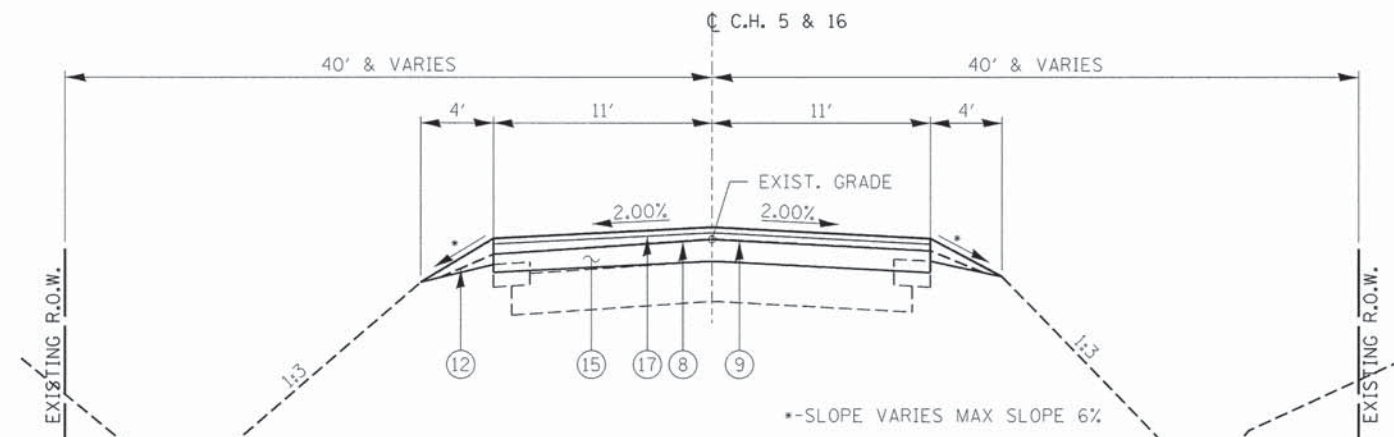
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1663	05-00064-00-RS	MOULTRIE	57	4
				CONTRACT NO. 95766
ILLINOIS FED. AID PROJECT				



**PROPOSED TYPICAL CROSS SECTION**

STA. 3+00.00 TO STA. 13+00.00

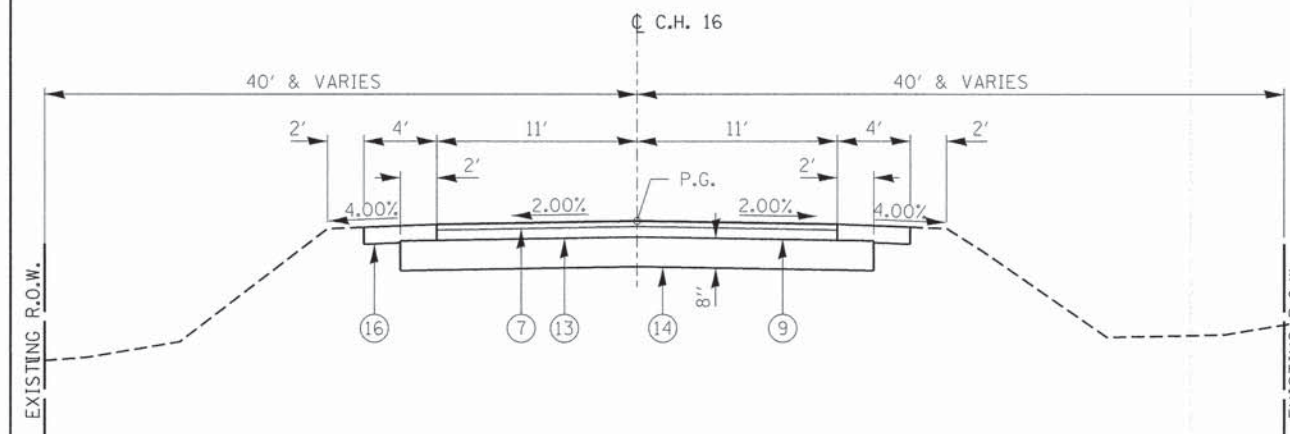
PAVEMENT DESIGN:  
 DESIGN TRAFFIC YEAR 2015 = 214  
 A-3 SURFACE TREATMENT WITH 8" AGGR. BASE  
 PER BLR MANUAL SECTION 44-8



**PROPOSED TYPICAL CROSS SECTION**

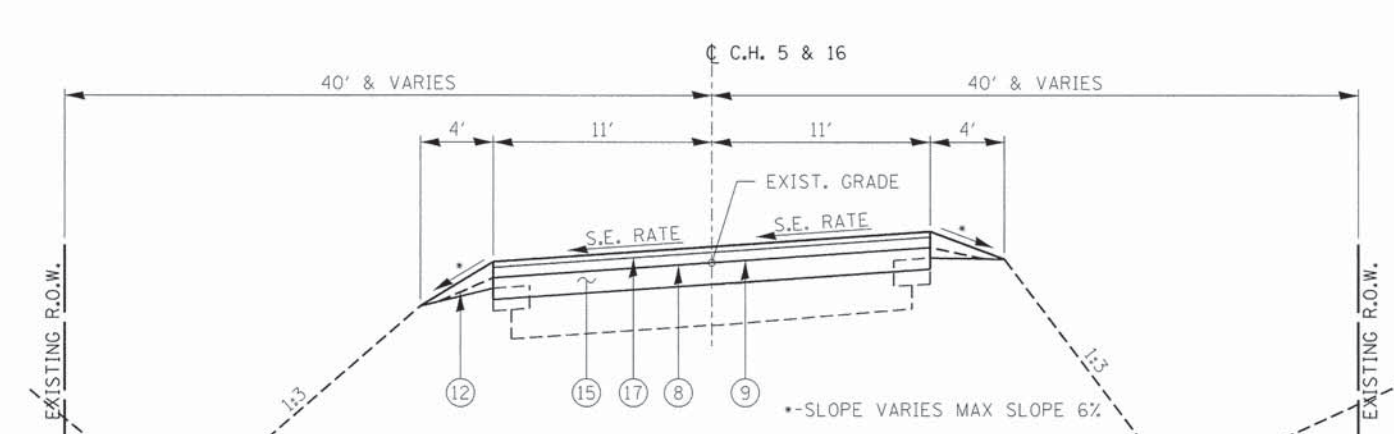
STA. 26+00.00 TO STA. 192+64.78  
 STA. 198+32.75 TO STA. 205+82.69  
 STA. 211+76.23 TO STA. 213+26.95

\*-SLOPE VARIES MAX SLOPE 6%



**PROPOSED TYPICAL CROSS SECTION**

STA. 13+00.00 TO STA. 26+00.00



**PROPOSED TYPICAL CROSS SECTION**

STA. 192+64.78 TO STA. 198+32.75  
 STA. 205+82.69 TO STA. 211+76.23

\*-SLOPE VARIES MAX SLOPE 6%

**LEGEND**

- ① EXISTING OIL AND CHIP SURFACE
- ② EXISTING AGGREGATE BASE COURSE 8"
- ③ EXISTING LIME STABILIZED SOIL 8"
- ④ EXISTING HOT-MIX ASPHALT SURFACE 5 3/4"
- ⑤ EXISTING HOT-MIX ASPHALT SURFACE 3"
- ⑥ EXISTING BASE COURSE WIDENING 6"
- ⑦ HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50 (1 3/4" THICKNESS MIN.)
- ⑧ LEVELING BINDER (MACHINE METHOD) N50 (3/4" MINIMUM THICKNESS)
- ⑨ BITUMINOUS MATERIALS (PRIME COAT)
- ⑩ BITUMINOUS SURFACE TREATMENT A-3 (0.1' ESTIMATED THICKNESS)
- ⑪ HOT-MIX ASPHALT SURFACE REMOVAL, BUTT-JOINT
- ⑫ AGGREGATE WEDGE SHOULDER, TYPE B
- ⑬ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (2 1/2" THICKNESS)
- ⑭ AGGREGATE BASE COURSE, TYPE A
- ⑮ COLD-IN-PLACE RECYCLING, BITUMINOUS CONCRETE PAVEMENT, 4 1/2"
- ⑯ AGGREGATE SHOULDER, TYPE B 4"
- ⑰ HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50 (1 1/4" THICKNESS MIN.)

**PAVEMENT DESIGN (MECHANISTIC)**  
 DESIGN PERIOD 20 YEARS 0  
 STRUCTURAL DESIGN TRAFFIC (SDT) = 2023 ( 514 )  
 PV = 452 SU = 36 MU = 26  
 ROAD/STREET CLASSIFICATION: CLASS III  
 PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE  
 P = 50% S = 50% MU = 50%  
 TRAFFIC FACTOR ACTUAL TF 0.14 AC TYPE 64-22  
 MINIMUM TF  
 PG GRADE: BINDER = 64-22 SURFACE = 64-22  
 SUBGRADE SUPPORT RATING POOR

FILE NAME = 72803-sht-tpsections.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -	<b>STATE OF ILLINOIS MOULTRIE COUNTY HIGHWAY DEPARTMENT</b>	<b>TYPICAL CROSS SECTIONS WILBORN CREEK ROAD C.H. 5 &amp; 16, T.R. 161B</b>	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
HAMPTON, LENZINI AND RENWICK, INC. 3088 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62783 ILLINOIS PROFESSIONAL DESIGN FIRM L8 / PE / SE CORP. 184.000009	PLOT SCALE =	DRAWN - T.W.K.	REVISED -			1663	05-00064-00-RS	MOULTRIE	57	5	
PLOT DATE = 10/23/2015	DATE - 01/21/15	CHECKED - S.W.M.	REVISED -			CONTRACT NO. 95766					
						ILLINOIS FED. AID PROJECT					

ROADWAY SCHEDULE																		
LOCATION	AGGREGATE BASE COURSE TYPE A	AGGREGATE SURFACE COURSE TYPE A	BITUMINOUS MATERIALS (PRIME COAT)	BITUMINOUS MATERIALS COVER AND SEAL COAT	COVER COAT AGGREGATE	SEAL COAT AGGREGATE	BITUMINOUS MATERIALS (PRIME COAT)	LEVELING BINDER (MACHINE METHOD) N50	HOT-MIX ASPHALT BINDER CSE IL-19.0, N50	HOT-MIX ASPHALT SURFACE CSE MIX C, N50	HOT-MIX ASPHALT SURFACE REMOVAL BUTT JOINT	TEMPORARY RAMP	INCIDENTAL HOT-MIX ASPHALT SURFACING	AGGREGATE SHOULDER TYPE B	AGGREGATE WEDGE SHOULDER TYPE B	CIR-FDR EMULSIFIED ASPHALT	COLD IN PLACE RECYCLING 4.5"	
	35100100	35100100	40300100	40300300	40300500	40300800	40600275	40600625	40603080	40603310	40600982	40600990	40800050	48101200	48102100	LR400005	LR400745	
	TON	TON	GAL	GAL	TON	TON	POUND	TON	TON	TON	SQ YD	SQ YD	TON	TON	TON	GAL	SQ YD	
FAS 1663 / CH 5, CH 16, TR 161B																		
STA 3+00 TO STA 13+00	1215		1,067	2,667	56	28												
STA 13+00 TO STA 26+00	1682						7,865		445	311				330	362			
STA 26+00 TO STA 213+26.95							30,900	1,919		3,205	61	92			5,575	50,355	45,777	
ENTRANCE SCHEDULE		171											6					
SIDEROAD SCHEDULE											276	138	147					
TOTAL	2,897	171	1,067	2,667	56	28	38,765	1,919	445	3,516	337	230	153	330	5,937	50,355	45,777	

STORM SEWER SCHEDULE						
LOCATION	REMOVING INLETS	INLET TYPE A T8G	STORM SEWER CL ATY 1 12"	TOP OF RIM	INVERT	
	60500060	60236200	550A0050		ELEV	ELEV
	EACH	EACH	FOOT		ELEV	ELEV
FAS 1663 / CH 5, CH 16, TR 161B						
27' LT STA 7+25 INLET TO REMAIN				667.65	666.00	
2' RT STA 7+25	1			667.54	665.84	
20' RT STA 7+25		1	45	667.5	666.25(US)	666.0(DS)
27' LT STA 7+25		1		667.65		
TOTAL	1	2	45			

66600105 FURNISHING AND ERECTING RIGHT OF WAY MARKERS		
LOCATION	EACH	
FAS 1663 / CH 5, CH 16, TR 161B		
25' RT. STA 12+50.00		1
60' RT. STA 12+79.32		1
NE CORNER 1100N		1
TOTAL		3

EARTHWORK SUMMARY						
LOCATION	EARTH EXCAVATION	SHRINKAGE FACTOR	% USED	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE(25%)	EMBANKMENT REQUIRED	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	20200100					
	CUBIC YARD			CUBIC YARD	CUBIC YARD	CUBIC YARD
STA 3+00 TO STA 13+00	591	25.00%	100.00%	443	584	-141
STA 13+00 TO STA 26+00	1388	25.00%	100.00%	1041	52	989
STA 26+00 TO STA 213+26.95	378	25.00%	100.00%	284	30	254
TOTAL	2357			1768	666	1102
			WASTE		1102	CU.YD.

28000500 INLET AND PIPE PROTECTION	
LOCATION	EACH
FAS 1663 / CH 5 & CH 16	
27' LT. STA 7+25	1
20' RT. STA 7+25	1
TOTAL	2

X2501000 SEEDING, CLASS 2 (SPECIAL)	
LOCATION	ACRE
FAS 1663 / CH 5 & CH 16	
STA 3+00 TO STA 13+00	0.875
STA 13+00 TO STA 26+00	0.148
STA 26+00 TO STA 213+26.95	0.436
TOTAL	1.459
USE TOTAL	1.50

280000305 TEMPORARY DITCH CHECKS	
LOCATION	FOOT
FAS 1663 / CH 5, CH 16, TR 161B	
27' LT STA 7+20	8
20' RT STA 7+20	8
27' LT STA 7+30	8
20' RT STA 7+30	8
27' LT STA 13+80	8
27' RT STA 13+80	8
35' RT STA 157+00	20
TOTAL	68

X2810208 STONE RIPRAP, CLASS A4 (SPECIAL)	
LOCATION	TON
FAS 1663 / CH 5 & CH 16	
FROM CULVERT PLANS	
RT STA 151+90 TO RT STA 152+00 (10' X 10')	7
RT STA 152+55 TO RT STA 152+65 (10' X 10')	7
FROM CULVERT SCHEDULE	268
TOTAL	282

28000400 PERIMETER EROSION BARRIER	
LOCATION	FOOT
FAS 1663 / CH 5, CH 16, TR 161B	
LT STA 3+00 TO LT STA 12+80	980
RT STA 3+00 TO RT STA 12+90	990
LT STA 13+10 TO LT STA 26+00	1,290
RT STA 13+10 TO RT STA 26+00	1,290
RT STA 152+38 TO RT STA 157+00	462
RT STA 152+38 TO RT STA 157+00	462
TOTAL	5474

28000250 TEMPORARY EROSION CONTROL SEEDING	
LOCATION	POUND
FAS 1663 / CH 5 & CH 16	
STA 3+00 TO STA 13+00	88
STA 13+00 TO STA 26+00	12
STA 26+00 TO STA 213+26.95	31
TOTAL	131

ENTRANCE SCHEDULE						
LOCATION	TYPE	EXISTING WIDTH	PROPOSED LENGTH	PROPOSED SURFACE	INCIDENTAL HMA SURFACING	AGGREGATE SURFACE COURSE TYPE A
		FEET	FEET		TON	TON
<b>WILBORN CREEK RD/FAS 1663</b>						
LT. STA 12+90	F.E.	16	31	AGG		8
LT. STA 13+12	P.E.	20	28	HMA	6	
RT. STA 13+50	F.E.	20	5	AGG		3
LT. STA 14+10	P.E.	16	10	AGG		3
LT. STA 15+20	P.E.	16	10	AGG		3
RT. STA 19+75	F.E.	22	5	AGG		3
LT. STA 24+82	P.E.	30	10	AGG		5
RT. STA 26+56	F.E.	22	5	AGG		3
LT. STA 35+54	P.E.	16	10	AGG		3
LT. STA 36+10	F.E.	16	5	AGG		2
LT. STA 38+11	P.E.	22	10	AGG		4
LT. STA 39+39	P.E.	16	10	AGG		3
RT. STA 39+39	F.E.	16	5	AGG		2
LT. STA 41+48	P.E.	16	10	AGG		3
LT. STA 43+56	P.E.	16	10	AGG		3
RT. STA 44+64	F.E.	24	5	AGG		3
LT. STA 46+84	F.E.	24	5	AGG		3
LT. STA 51+57	F.E.	24	5	AGG		3
RT. STA 53+34	F.E.	26	5	AGG		3
LT. STA 67+87	F.E.	16	5	AGG		2
RT. STA 75+32	F.E.	24	5	AGG		3
RT. STA 76+83	P.E.	22	10	AGG		4
RT. STA 78+18	F.E.	20	5	AGG		3
LT. STA 81+24	P.E.	30	10	AGG		5
RT. STA 107+36	P.E.	16	10	AGG		3
LT. STA 111+57	F.E.	22	5	AGG		3
LT. STA 113+21	F.E.	25	5	AGG		3
RT. STA 113+21	F.E.	25	5	AGG		3
RT. STA 127+19	F.E.	22	5	AGG		3
LT. STA 140+03	F.E.	22	5	AGG		3
RT. STA 145+50	F.E.	20	5	AGG		3
LT. STA 146+63	P.E.	16	10	AGG		3
LT. STA 155+90	P.E.	18	10	AGG		4
LT. STA 157+46	P.E.	24	10	AGG		4
LT. STA 159+97	P.E.	26	10	AGG		5
RT. STA 160+20	P.E.	24	10	AGG		4
RT. STA 162+77	P.E.	24	10	AGG		4
RT. STA 165+18	P.E.	20	10	AGG		4
LT. STA 165+90	F.E.	20	5	AGG		3
LT. STA 181+21 (20'R-20'R)	C.E.	22	10	AGG		4
RT. STA 181+84	P.E.	20	10	AGG		4
LT. STA 184+70	F.E.	24	5	AGG		3
LT. STA 192+22	P.E.	18	10	AGG		4
LT. STA 193+30	P.E.	20	10	AGG		4
LT. STA 198+48	P.E.	30	10	AGG		5
RT. STA 198+51	P.E.	18	10	AGG		4
RT. STA 204+98	P.E.	24	10	AGG		4
LT. STA 205+02	P.E.	24	10	AGG		4
LT. STA 212+01	F.E.	24	5	AGG		3
RT. STA 212+21	P.E.	16	10	AGG		3
<b>TOTAL</b>					<b>6</b>	<b>171</b>

SIDEROAD SCHEDULE							
LOCATION	TYPE	EXISTING WIDTH	PROPOSED LENGTH	PROPOSED SURFACE	INCIDENTAL HMA SURFACING	TEMPORARY RAMP	HOT-MIX ASPHALT SURFACE REMOVAL BUTT JOINT
		FEET	FEET		TON	SQ YD	SQ YD
<b>SIDEROAD LOCATION</b>							
RT. STA 13+02.85 CR1150 N (30'R & 40'R)	SR	20	40	HMA	15	11	22
LT. STA 26+34 CH18 (30'R & 30'R)	SR	23	30	HMA	12	13	26
RT. STA 52+88.84 CR1225 N (30'R & 30'R)	SR	17	30	HMA	10	9	19
LT. STA 52+89.69 CR1225 N (30'R & 30'R)	SR	16	30	HMA	9	9	18
LT. STA 92+68.98 CR1300 N (30'R & 40'R)	SR	18	40	HMA	14	10	20
RT. STA 92+74.99 CR1300 N (30'R & 30'R)	SR	16	30	HMA	9	9	18
LT. STA 119+18.01 CR1350 N (30'R & 30'R)	SR	20	30	HMA	11	11	22
RT. STA 119+18.13 CH5 (40'R & 40'R)	SR	20	40	HMA	16	11	22
LT. STA 145+37.51 CR1400 N (25'R & 25'R)	SR	18	25	HMA	8	10	20
RT. STA 152+28.37 CR1425 N (30'R & 30'R)	SR	14	20	HMA	5	8	16
LT. STA 185+72.63 CR1475 N (40'R & 40'R)	SR	36	30	HMA	19	20	40
RT. STA 196+90.33 CR1500N (30'R & 40'R)	SR	12	25	HMA	8	7	13
RT. STA 211+34.60 (30'R & 30'R)	SR	18	34	HMA	11	10	20
<b>TOTAL</b>					<b>147</b>	<b>138</b>	<b>276</b>

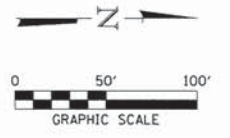
PAINT PAVEMENT MARKING SCHEDULE					
LOCATION	PAINT PAVEMENT MARKING - LINE 4"			SHORT TERM PAVEMENT MARKING	TEMPORARY PAVEMENT MARKING LINE - 4"
	EDGE LINE (SOLID WHITE)	CENTERLINE (YELLOW DASH)	NO PASSING (YELLOW SOLID)		
	78001110			70300100	70300220
FAS 1663 / CH 5, CH 16, TR 161B	FOOT	FOOT	FOOT		
LCL. STA 3+00 TO LCL. STA 13+00	1,000			100	1000
CL. STA 3+00 TO CL. STA 13+00		250		100	250
RCL. STA 3+00 TO RCL. STA 13+00	1,000			100	1000
LCL. STA 13+00 TO LCL. STA 26+00	1,300			130	1300
CL. STA 13+00 TO CL. STA 26+00		325		130	325
RCL. STA 13+00 TO RCL. STA 26+00	1,300			130	1300
LCL. STA 26+00 TO LCL. STA 213+26.95	18,727			1,873	18727
CL. STA 26+00 TO CL. STA 213+26.95		4,682		1,873	4682
RCL. STA 26+00 TO RCL. STA 213+26.95	18,727			1,873	18727
RCL. STA 154+00 TO RCL. STA 170+00			1,600.00	160	1600
LCL. STA 159+00 TO LCL. STA 188+00			2,900.00	290	2900
RCL. STA 171+50 TO RCL. STA 177+50			600.00	60	600
RCL. STA 185+50 TO RCL. STA 193+00			750.00	90	750
LCL. STA 195+00 TO LCL. STA 204+00			900.00	75	900
RCL. STA 209+50 TO RCL. STA 213+26			376.00	38	376
<b>SUBTOTAL</b>	<b>42,054</b>	<b>5,257</b>	<b>7,126</b>	<b>7,022</b>	<b>54,437</b>
<b>TOTAL</b>		<b>5,437</b>		<b>7,022</b>	<b>54,437</b>

CULVERT SCHEDULE																											
LOCATION	PIPE CULVERTS, CLASS A										PRECAST REINFORCED CONCRETE						UP STREAM INVERT	DOWN STREAM INVERT	CONTR LOW- STRENGTH MATERIAL CU YD	CLASS D PATCHES			PIPE CULVERT REMOVAL FOOT	STONE RIPRAP, CLASS A4 (SPECIAL) TON			
	TYPE 1					TYPE 2					FLARED END SECTIONS									TYPE II, 12"	TYPE III, 12"	TYPE IV, 12"					
	12"	15"	18"	36"	72"	EQUIV R-S 21"	EQUIV R-S 42"	30"	36"	72"	12"	15"	18"	30"	36"	72"									EQUIV R-S 21"	EQUIV R-S 42"	
	FOOT										EACH									SQ YD	SQ YD	SQ YD					
STA 13+77.50			34										2						669.9	669.8	7.0		19.6		45	9	
STA 30+43.60		45											2						676.4	675.2	3.6	7.6			58	0	
STA 45+32.80							48										2		668.3	665.2	35.3			29.1	50	10	
STA 74+63.60															2				657.4	654.0	146.7			47.6	120	13	
STA 78+77.50																2			651.4	651.1	218.0			34.7	75	0	
STA 111+63.10				64											2				654.2	653.8	42.8			26.1	66	21	
STA 111+73.00				64											2				654.2	653.8	42.8			26.1	66	22	
STA 119+49.30	42												2						660.9	660.8	5.5		16.6		50	6	
STA 152+13		10											1						645.5	645.5	0.0		0.0	0.0	0	0	
STA 158+29.60					48											2			637.8	637.2	56.6			34.7	50	23	
STA 168+57.00								62							2				640.2	634.4	59.6		24.7		70	7	
STA 176+05.50																										140	
STA 199+31.00							32										2			646.2	645.8	5.8		20.8		38	9
STA 199+36.00							32										2			646.2	645.8	5.8		20.8		0	9
RT. STA 108+00																										30.6	
RT. STA 114+00																										30.6	
RT. STA 116+00																										30.6	
LT STA 122+40																										30.6	
LT STA 124+40																										30.6	
LT STA 129+40																										30.6	
TOTAL	42	55	34	128	48	64	48	62	112	76	2	3	2	2	6	4	4	2				629.5	7.6	102.5	381.9	688.0	268.2
USE	42	55	34	128	48	64	48	62	112	76	2	3	2	2	6	4	4	2				630	8	103	382	688	268

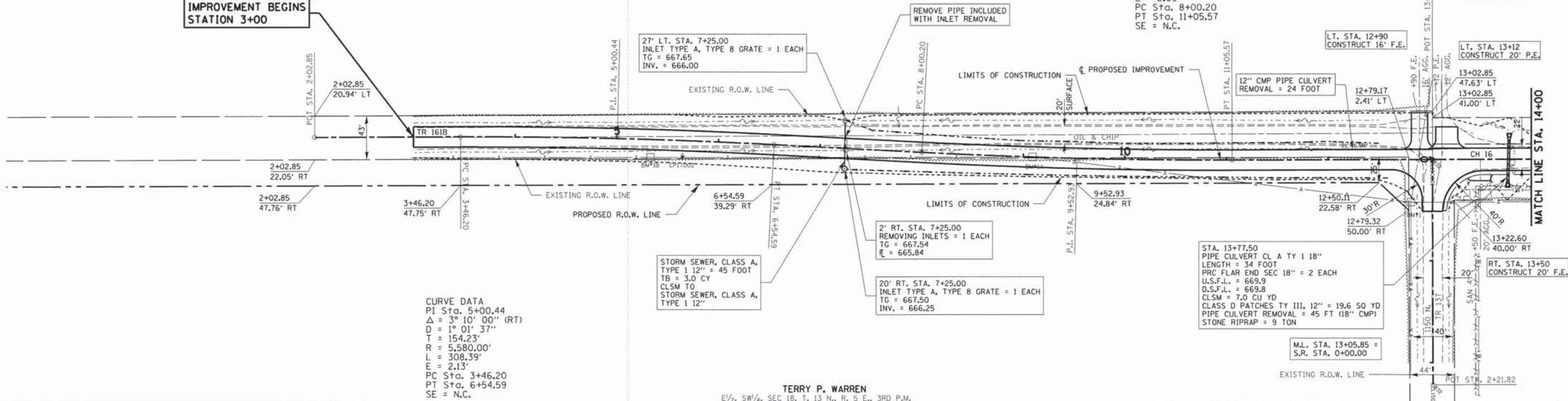


NE 1/4, SW 1/4, SEC 18, T. 13 N., R. 5 E., 3RD P.M.

**CURVE DATA**  
 PI Sta. 9+52.93  
 $\Delta = 3^{\circ} 08' 08''$  (LT)  
 $D = 1^{\circ} 01' 37''$   
 $T = 152.72'$   
 $R = 5,580.00'$   
 $L = 305.37'$   
 $E = 2.09'$   
 PC Sta. 8+00.20  
 PT Sta. 11+05.57  
 SE = N.C.

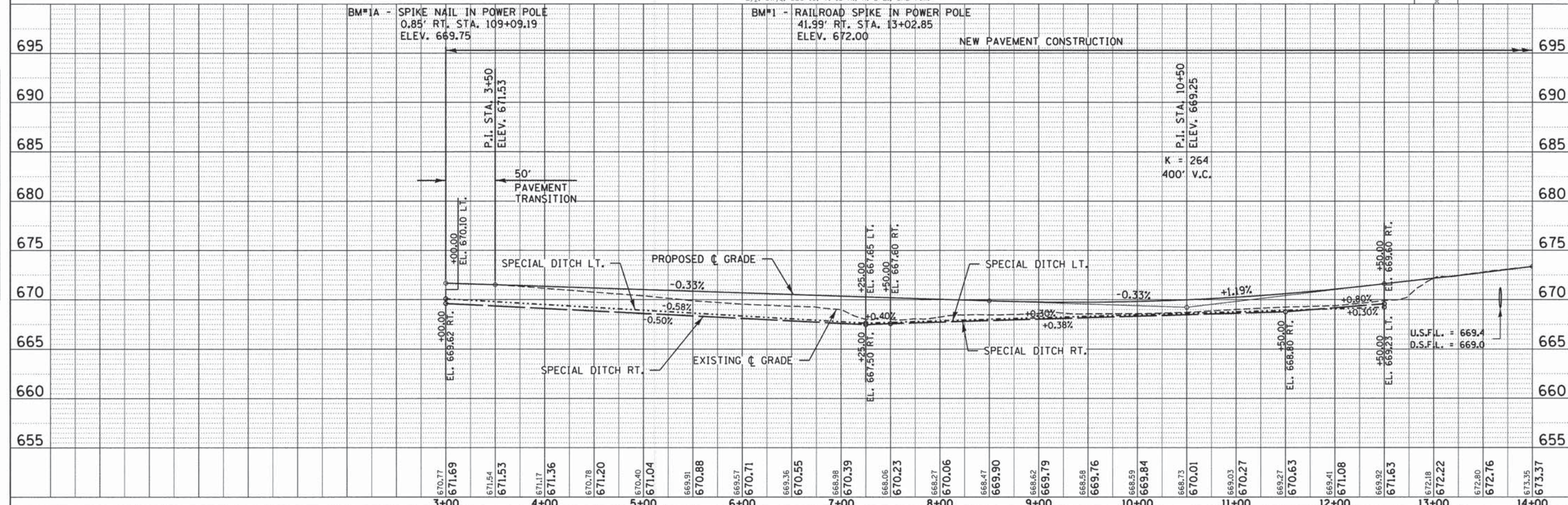


IMPROVEMENT BEGINS STATION 3+00



**CURVE DATA**  
 PI Sta. 5+00.44  
 $\Delta = 3^{\circ} 10' 00''$  (RT)  
 $D = 1^{\circ} 01' 37''$   
 $T = 154.23'$   
 $R = 5,580.00'$   
 $L = 308.39'$   
 $E = 2.13'$   
 PC Sta. 3+46.20  
 PT Sta. 6+54.59  
 SE = N.C.

TERRY P. WARREN  
 E 1/2, SW 1/4, SEC 18, T. 13 N., R. 5 E., 3RD P.M.



FILE NAME = 72003-sht-p&p.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -	<p align="center"><b>STATE OF ILLINOIS</b>  <b>MOULTRIE COUNTY HIGHWAY DEPARTMENT</b></p> <p align="center"><b>PLAN &amp; PROFILE</b>  <b>WILBORN CREEK ROAD C.H. 5 &amp; 16, T.R. 161B</b></p> <p>SCALE: 50H:5V    SHEET NO. 1 OF 15 SHEETS    STA. 3+00.00 TO STA. 14+00.00</p>	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3885 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62709 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 134-000889	PLOT SCALE =	DRAWN - T.W.K.	REVISED -		1663	05-00064-00-RS	MOULTRIE	57	9
	PLOT DATE = 10/23/2015	CHECKED - S.W.M.	REVISED -		CONTRACT NO. 95766				
		DATE - 01/21/15	REVISED -		ILLINOIS FED. AID PROJECT				

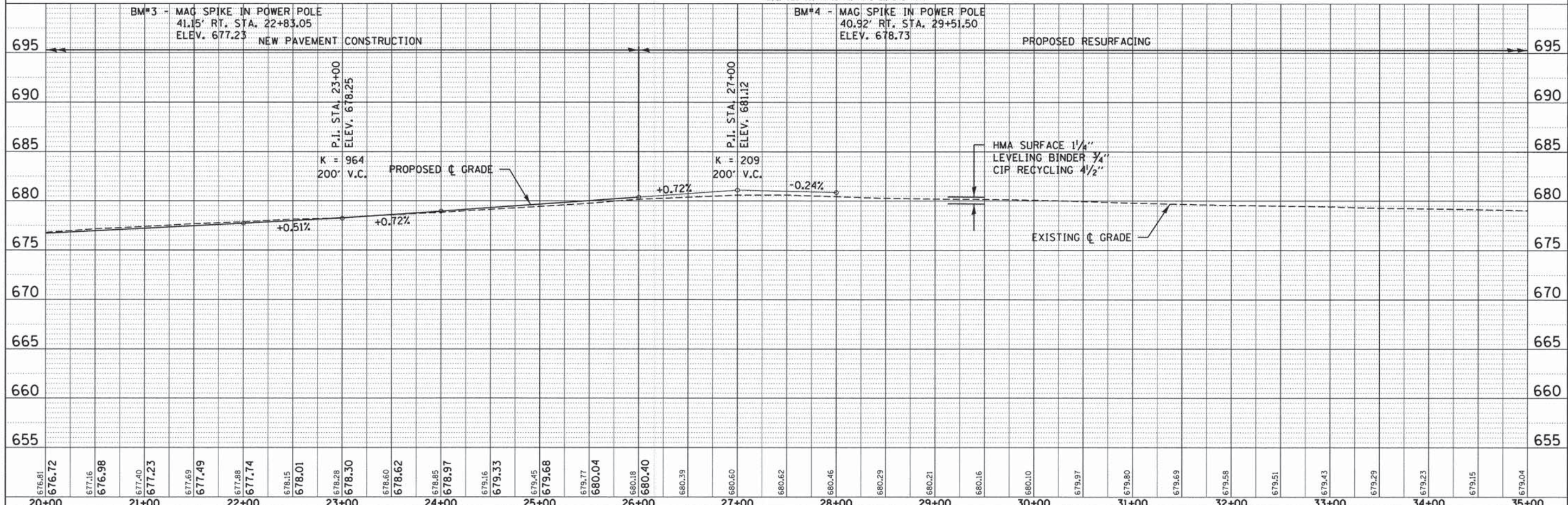
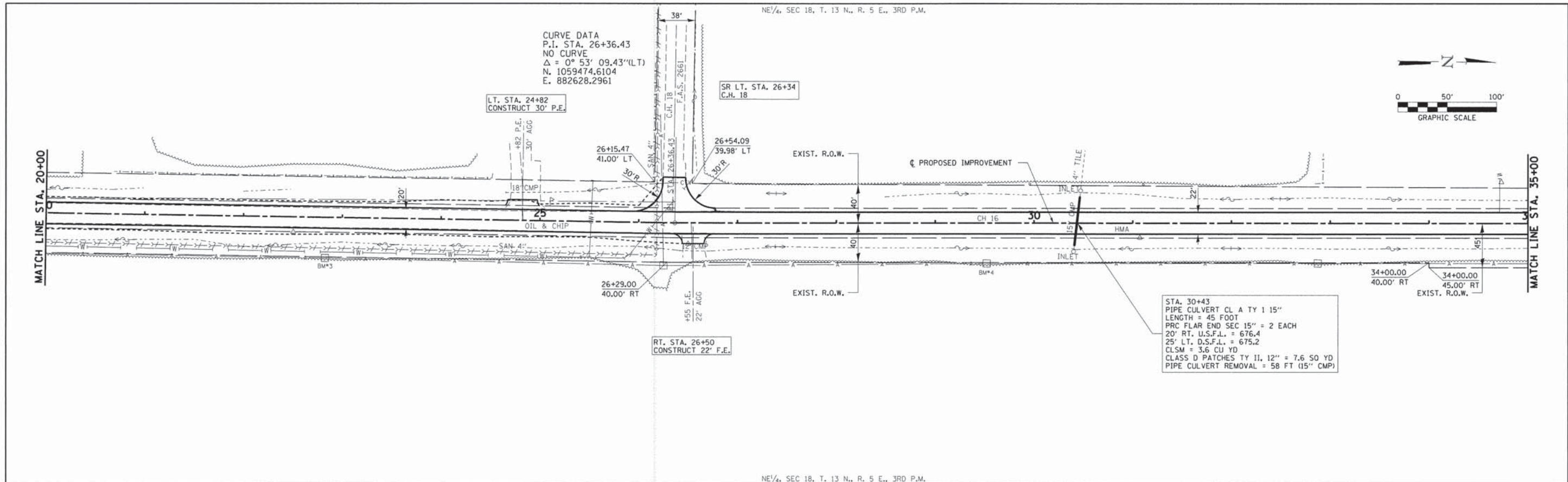
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PROFILE	DATE
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DATE	
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DATE	
BY	
PLAN	SURVEYED
	ALIGNED
	CHECKED
	RT. OF WAY CHECKED
	NO. _____
	FILE NAME

DATE	
BY	
PROFILE	SURVEYED
	GRADES CHECKED
	BLM. NOTED
	STRUCTURE NOTATIONS CHECKED
	NO. _____



FILE NAME = 72003-shr-pdp.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -	<b>STATE OF ILLINOIS</b> <b>MOULTRIE COUNTY HIGHWAY DEPARTMENT</b>	<b>PLAN &amp; PROFILE</b> <b>WILBORN CREEK ROAD C.H. 5 &amp; 16, T.R. 161B</b>	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
HAMPTON, LENZINI AND RENWICK, INC.	PLOT SCALE =	DRAWN - T.W.K.	REVISED -			1663	05-00064-00-RS	MOULTRIE	57	11	
200 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62709	PLOT DATE = 10/23/2015	CHECKED - S.W.M.	REVISED -			CONTRACT NO. 95766					
ILLINOIS PROFESSIONAL DESIGN FIRM L5/PE/SE CORP. 184.000059		DATE - 01/21/15	REVISED -			ILLINOIS FED. AID PROJECT					



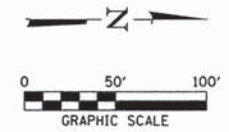
CURVE DATA  
 P.I. STA. 52+91.16  
 NO CURVE  
 $\Delta = 0^\circ 53' 13.32''$  (RT)  
 N. 1062128.9103  
 E. 882580.2692

LT. STA. 51+57  
 CONSTRUCT 24' F.E.

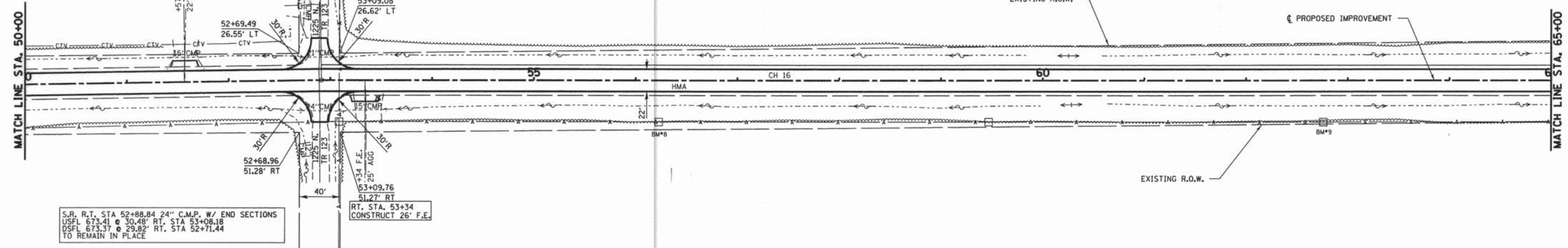
S.P. L.T. STA 52+89.69 21" C.M.P. W/ END SECTIONS  
 USFL 673.08 @ 22.72' LT. STA 53+08.89  
 DSFL 672.80 @ 22.75' LT. STA 52+72.96  
 TO REMAIN IN PLACE

S.P. R.T. STA 52+88.84 24" C.M.P. W/ END SECTIONS  
 USFL 673.41 @ 30.48' RT. STA 53+06.18  
 DSFL 673.37 @ 29.82' RT. STA 52+71.44  
 TO REMAIN IN PLACE

RT. STA. 53+34  
 CONSTRUCT 26' F.E.



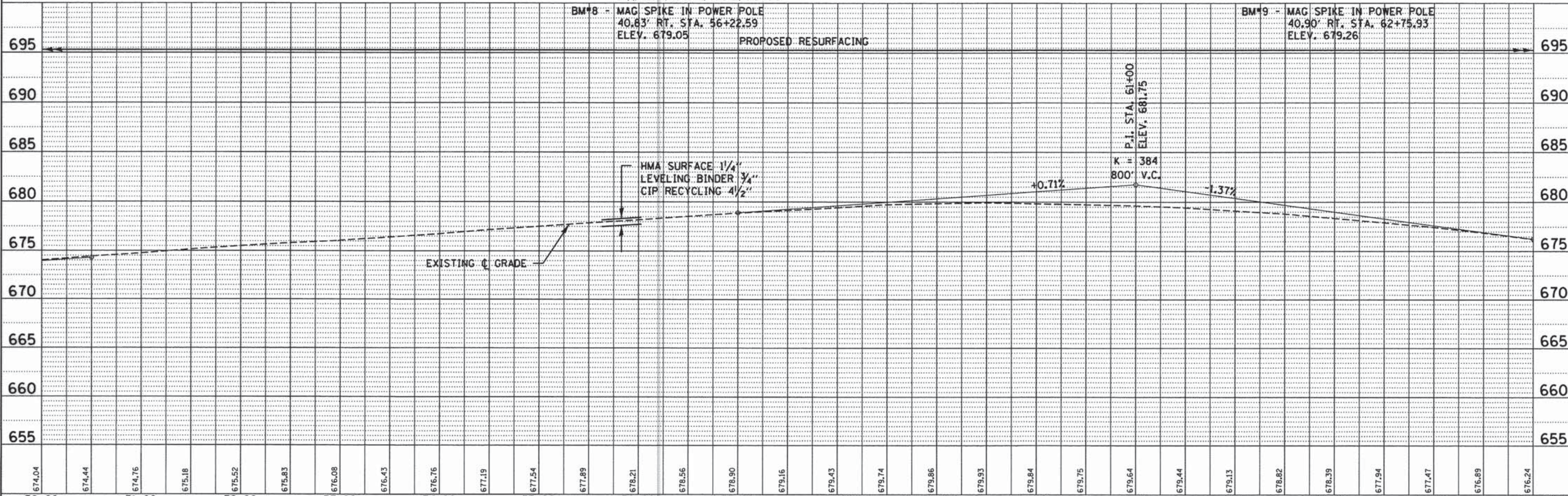
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DESCRIPTION	
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NO.	
DESCRIPTION	



BM\*8 : MAG SPIKE IN POWER POLE  
 40.83' RT. STA. 56+22.59  
 ELEV. 679.05

BM\*9 : MAG SPIKE IN POWER POLE  
 40.90' RT. STA. 62+75.93  
 ELEV. 679.26

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DESCRIPTION	



674.04	674.44	674.76	675.18	675.52	675.83	676.08	676.43	676.76	677.19	677.54	677.89	678.21	678.56	678.90	679.16	679.43	679.74	679.86	679.93	679.84	679.75	679.64	679.44	679.13	678.82	678.39	677.94	677.47	676.89	676.24	
50+00	51+00	52+00	53+00	54+00	55+00	56+00	57+00	58+00	59+00	60+00	61+00	62+00	63+00	64+00	65+00																

FILE NAME = 72803-shr-p&p.dgn  
 HAMPTON, LENZINI AND RENWICK, INC.  
 388 STEVENSON DRIVE, SUITE 201  
 SPRINGFIELD, ILLINOIS 62703  
 ILLINOIS PROFESSIONAL DESIGN FIRM  
 LICENSE NO. 028-00089

USER NAME =  
 PLOT SCALE =  
 PLOT DATE = 4/6/2015

DESIGNED - L.F.S.  
 DRAWN - T.W.K.  
 CHECKED - S.W.M.  
 DATE - 01/21/15

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 MOULTRIE COUNTY HIGHWAY DEPARTMENT

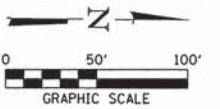
PLAN & PROFILE  
 WILBORN CREEK ROAD C.H. 5 & 16, T.R. 161B  
 SCALE: 50H:5V  
 SHEET NO. 5 OF 15 SHEETS  
 STA. 50+00.00 TO STA. 65+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1663	05-00064-00-RS	MOULTRIE	57	13
CONTRACT NO. 95766			ILLINOIS FED. AID PROJECT	

SW 1/4, SEC 7, T. 13 N., R. 5 E., 3RD P.M.

NW 1/4, SEC 7, T. 13 N., R. 5 E., 3RD P.M.

CURVE DATA  
P.I. STA. 77+01.99  
NO CURVE  
 $\Delta = 0^\circ 14' 52.16''$ (RT)  
N. 1064539.6509  
E. 882563.1796



CURVE DATA  
P.I. STA. 66+02.08  
NO CURVE  
 $\Delta = 0^\circ 33' 44.70''$ (LT)  
N. 1063439.8258  
E. 882576.8472

STA. 74+63.60  
PIPE CULVERT CL A TY 2 36"  
LENGTH = 112 FOOT  
PRC FLAR END SEC 36" = 2 EACH  
U.S.F.L. = 657.40  
D.S.F.L. = 654.00  
CLSM = 146.7 CU YD  
CLASS D PATCHES TY IV, 12" = 47.6 SO YD  
PIPE CULVERT REMOVAL = 120 FT (36" CMP)  
STONE RIPRAP = 13 TON

STA. 78+77.50  
PIPE CULVERT CL A TY 2 72"  
LENGTH = 76 FOOT  
PRC FLAR END SEC 72" = 2 EACH  
U.S.F.L. = 651.40  
D.S.F.L. = 651.10  
CLSM = 218.0 CU YD  
CLASS D PATCHES TY IV, 12" = 34.7 SO YD  
PIPE CULVERT REMOVAL = 75 FT (72" CMP)  
STONE RIPRAP = 13 TON

LT. STA. 67+87  
CONSTRUCT 16' F.E.

RT. STA. 75+32  
CONSTRUCT 24' F.E.

RT. STA. 76+83  
CONSTRUCT 22' F.E.

RT. STA. 78+18  
CONSTRUCT 20' F.E.

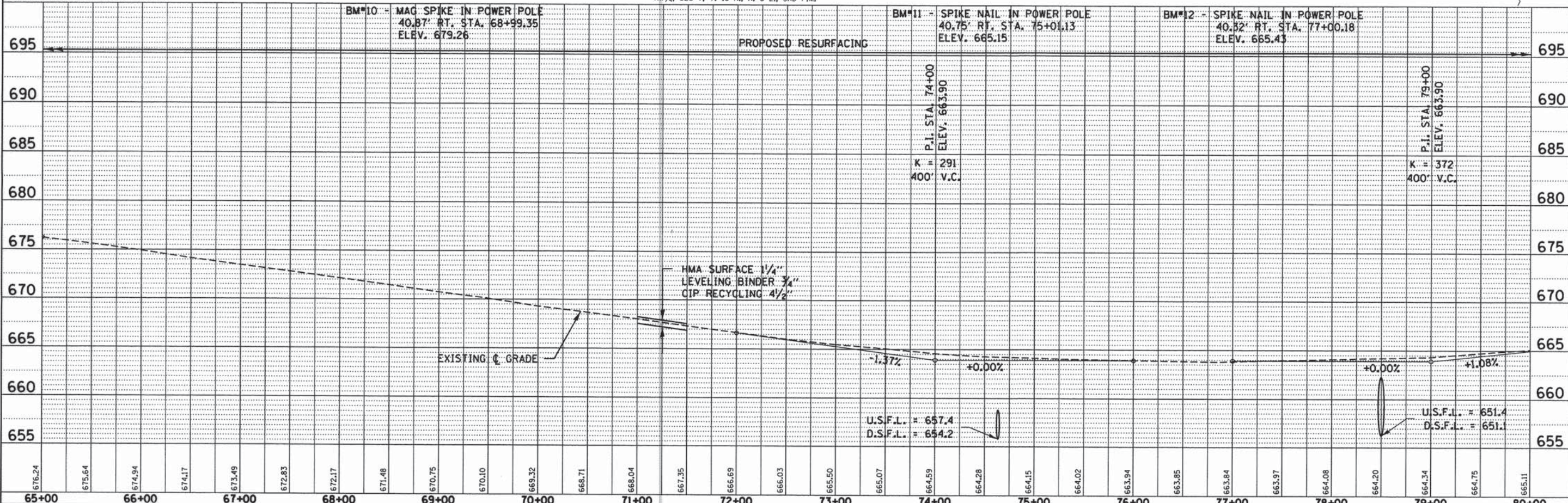
PLAN	DATE
BY	
REVISIONS	
NO.	DATE
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MATCH LINE STA. 65+00

MATCH LINE STA. 80+00

SW 1/4, SEC 7, T. 13 N., R. 5 E., 3RD P.M.

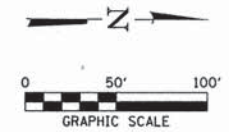
NW 1/4, SEC 7, T. 13 N., R. 5 E., 3RD P.M.



PROFILE	DATE
BY	
REVISIONS	
NO.	DATE
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FILE NAME = 72883-sh1-p8p.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -	<b>STATE OF ILLINOIS</b> <b>MOULTRIE COUNTY HIGHWAY DEPARTMENT</b>	<b>PLAN &amp; PROFILE</b> <b>WILBORN CREEK ROAD C.H. 5 &amp; 16, T.R. 161B</b>		F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
HAMPTON, LENZINI AND RENWICK, INC.	308 STEVENSON DRIVE, SUITE 201	DRAWN - T.W.K.	REVISED -		1663	05-00064-00-RS	MOULTRIE	57	14			
2008 STEVENSON DRIVE, SUITE 201	SPRINGFIELD, ILLINOIS 62703	CHECKED - S.W.M.	REVISED -		SCALE: 50H:5V		SHEET NO. 6 OF 15 SHEETS		STA. 65+00.00 TO STA. 80+00.00		CONTRACT NO. 95766	
ILLINOIS PROFESSIONAL DESIGN FIRM	18 / 18 / 88 CORP. 184.000089	DATE - 01/21/15	REVISED -		ILLINOIS FED. AID PROJECT							

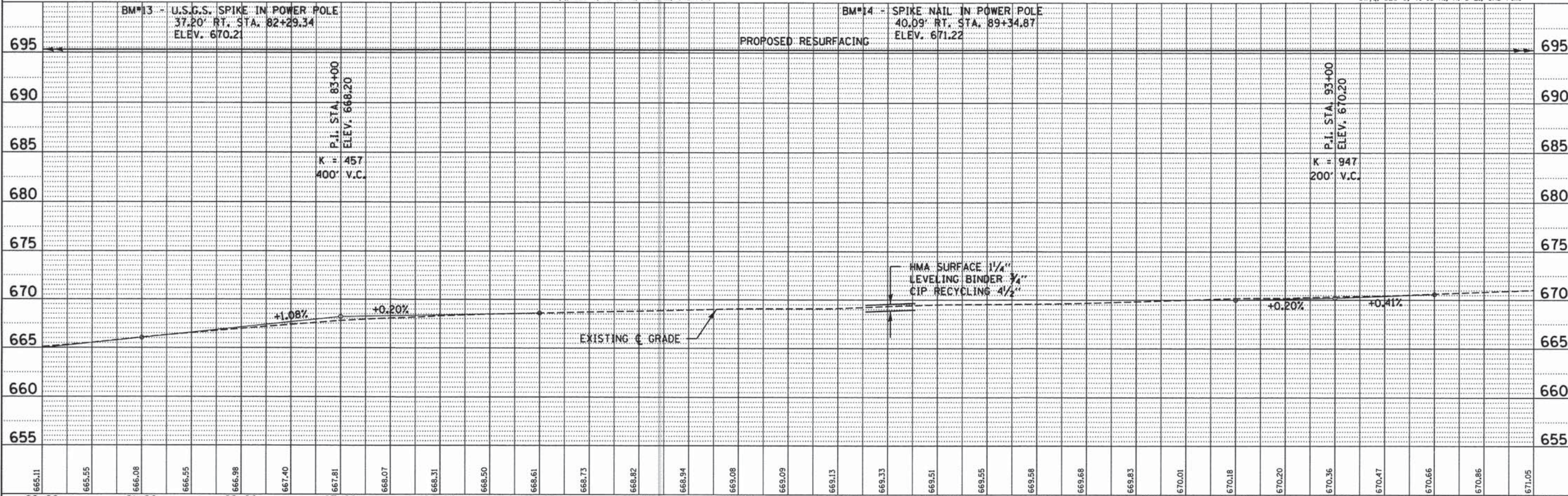
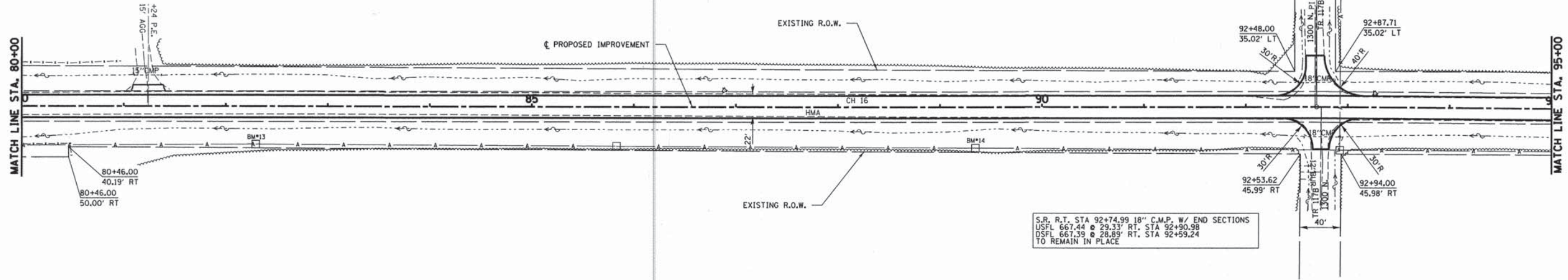
CURVE DATA  
 P.I. STA. 92+69.53  
 NO CURVE  
 $\Delta = 0^\circ 28' 26.79''$  (RT)  
 N. 1066107.1395  
 E. 882550.4809



S.R. L.T. STA 92+68.99 18" C.M.P. W/ END SECTIONS  
 USFL 667.79 @ 24.44' LT. STA 92+84.40  
 DSFL 667.58 @ 23.63' LT. STA 92+53.38  
 TO REMAIN IN PLACE

S.R. R.T. STA 92+74.99 18" C.M.P. W/ END SECTIONS  
 USFL 667.44 @ 29.33' RT. STA 92+90.98  
 DSFL 667.39 @ 28.89' RT. STA 92+59.24  
 TO REMAIN IN PLACE

LT. STA. 81+24  
 CONSTRUCT 30' P.E.



665.11	665.55	666.08	666.55	666.98	667.40	667.81	668.07	668.31	668.50	668.61	668.73	668.82	668.94	669.08	669.09	669.13	669.33	669.51	669.55	669.58	669.68	669.83	670.01	670.18	670.20	670.36	670.47	670.66	670.86	671.05		
80+00	81+00	82+00	83+00	84+00	85+00	86+00	87+00	88+00	89+00	90+00	91+00	92+00	93+00	94+00	95+00																	

FILE NAME = 72003-shr-p&p.dgn  
 USER NAME =  
 DESIGNED - L.F.S.  
 DRAWN - T.W.K.  
 CHECKED - S.W.M.  
 DATE - 01/21/15

REVISIONS:  
 REVISION NO. | DATE | BY | DESCRIPTION  
 1 | | | |  
 2 | | | |

STATE OF ILLINOIS  
 MOULTRIE COUNTY HIGHWAY DEPARTMENT

PLAN & PROFILE  
 WILBORN CREEK ROAD C.H. 5 & 16, T.R. 161B  
 SCALE: 50H:5V  
 SHEET NO. 7 OF 15 SHEETS  
 STA. 80+00.00 TO STA. 95+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1663	05-00064-00-RS	MOULTRIE	57	15
CONTRACT NO. 95766			ILLINOIS FED. AID PROJECT	

PLAN

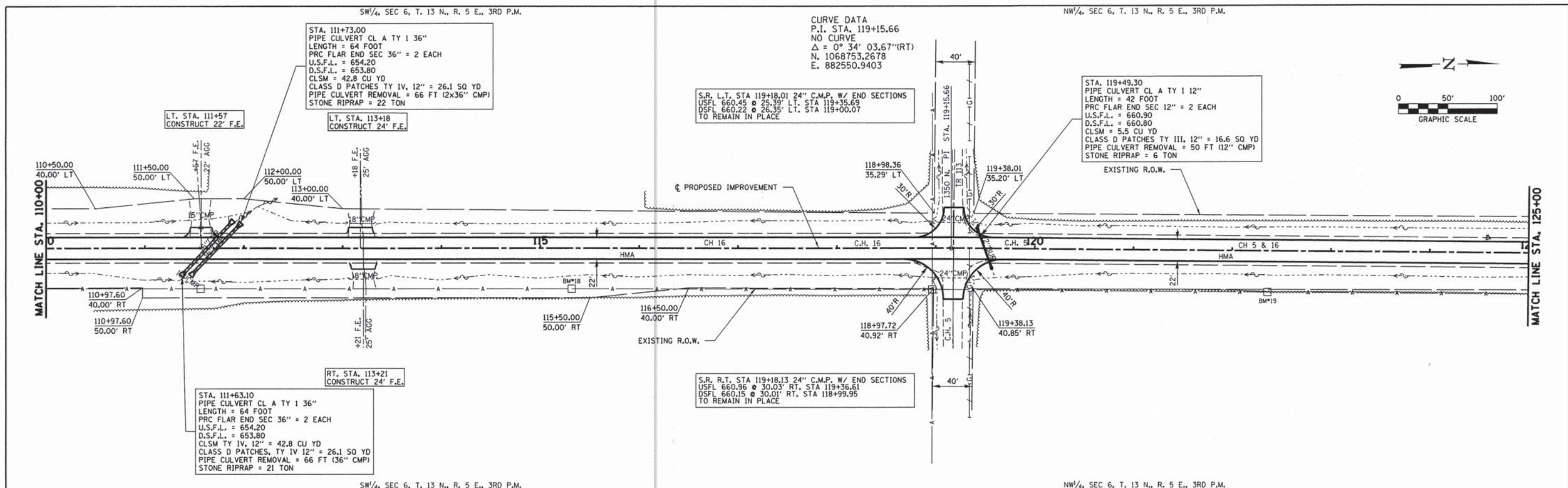
DATE	
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PLOTTED	
NOTE BOOK NO.	
FILE NAME	

PROFILE

DATE	
BY	
DESIGNED	
CHECKED	
PLOTTED	
NOTE BOOK NO.	
FILE NAME	

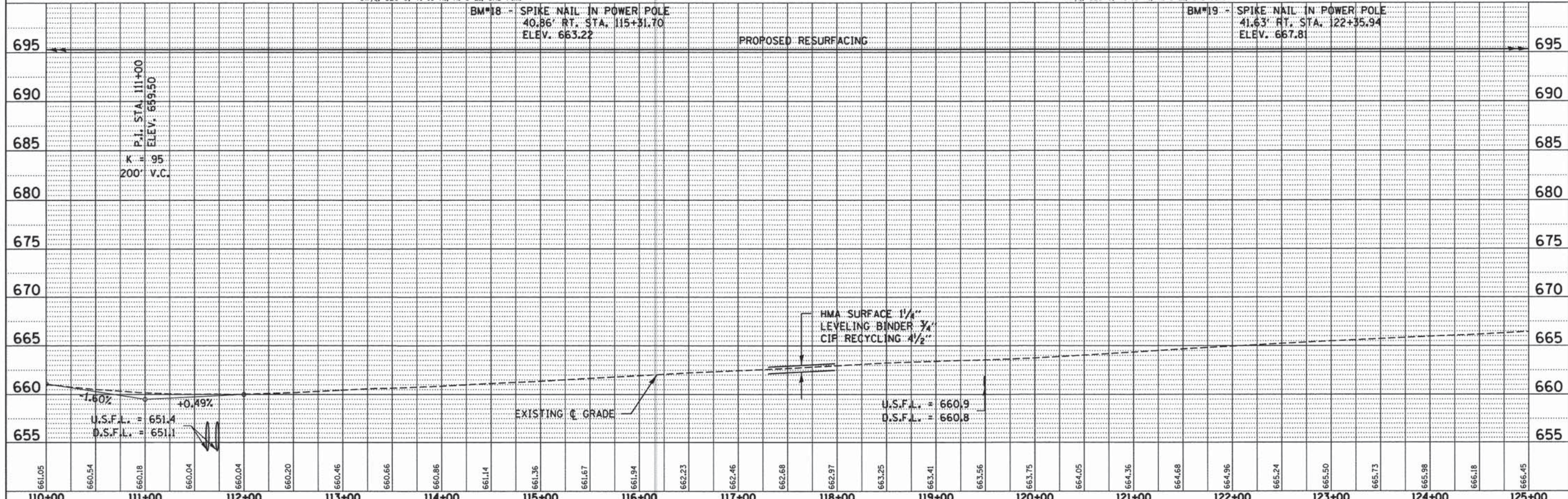




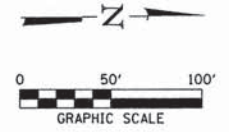


DATE	
BY	
REVIEWED	
ALIGNED	
CHECKED	
RT. OF WAY CHECKED	
NO. OF WAY CHECKED	
NO.	
PLAN	
NO.	

DATE	
BY	
REVIEWED	
ALIGNED	
CHECKED	
STRUCTURE NOTATION CHECKED	
NO.	
PROFILE	
NO.	

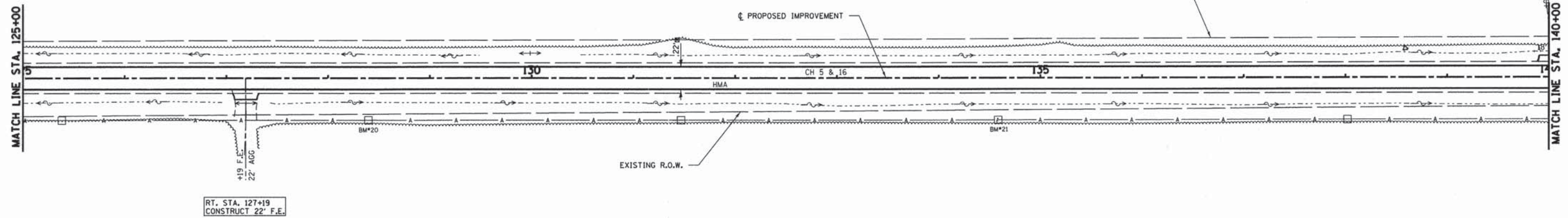


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HAMPTON, LENZINI AND RENWICK, INC.	PLOT SCALE =	DRAWN - T.W.K.	REVISED -			1663	05-00064-00-RS	MOULTRIE	57	17	
3005 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62733	PLOT DATE = 4/6/2015	CHECKED - S.W.M.	REVISED -			CONTRACT NO. 95766					
ILLINOIS PROFESSIONAL DESIGN FIRM L.L. # 05-00064-00-RS	DATE - 01/21/15	DATE - 01/21/15	REVISED -			ILLINOIS FED. AID PROJECT					

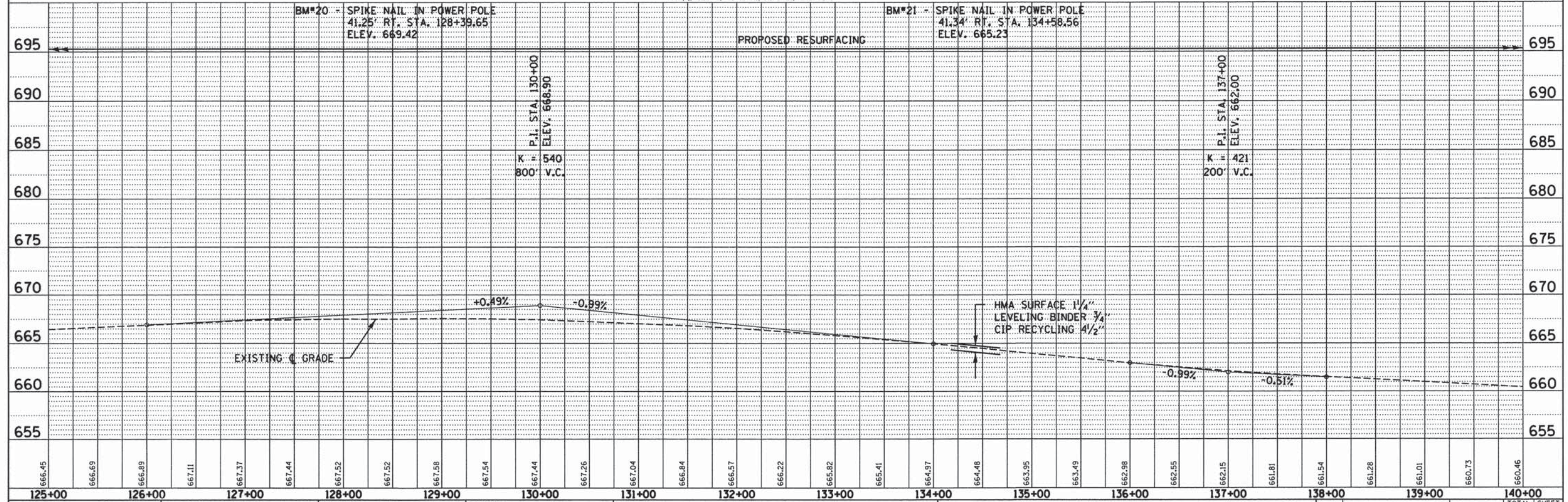


LT. STA. 140+03  
CONSTRUCT 22' F.E.

PLAN	SURVEYED	DATE
	BY	
	NOTED	
	PLotted	
	CHekced	
	BY	
	DATE	



PROFILE	SURVEYED	DATE
	BY	
	NOTED	
	PLotted	
	CHekced	
	BY	
	DATE	



666.45	666.69	666.89	667.11	667.37	667.44	667.52	667.52	667.58	667.54	667.44	667.26	667.04	666.84	666.57	666.22	665.82	665.41	664.97	664.48	663.95	663.49	662.98	662.55	662.15	661.81	661.54	661.28	661.01	660.73	660.46
125+00	126+00	127+00	128+00	129+00	130+00	131+00	132+00	133+00	134+00	135+00	136+00	137+00	138+00	139+00	140+00															

FILE NAME = 72803-sh1-p8p.dgn  
 HAMPTON, LENZINI AND RENWICK, INC.  
 380 STEVENSON DRIVE, SUITE 201  
 SPRINGFIELD, ILLINOIS 62703  
 ILLINOIS PROFESSIONAL DESIGN FIRM  
 LICENSE NO. 021-000000

USER NAME =  
 PLOT SCALE =  
 PLOT DATE = 4/6/2015

DESIGNED - L.F.S.  
 DRAWN - T.W.K.  
 CHECKED - S.W.M.  
 DATE - 01/21/15

STATE OF ILLINOIS  
 MOULTRIE COUNTY HIGHWAY DEPARTMENT

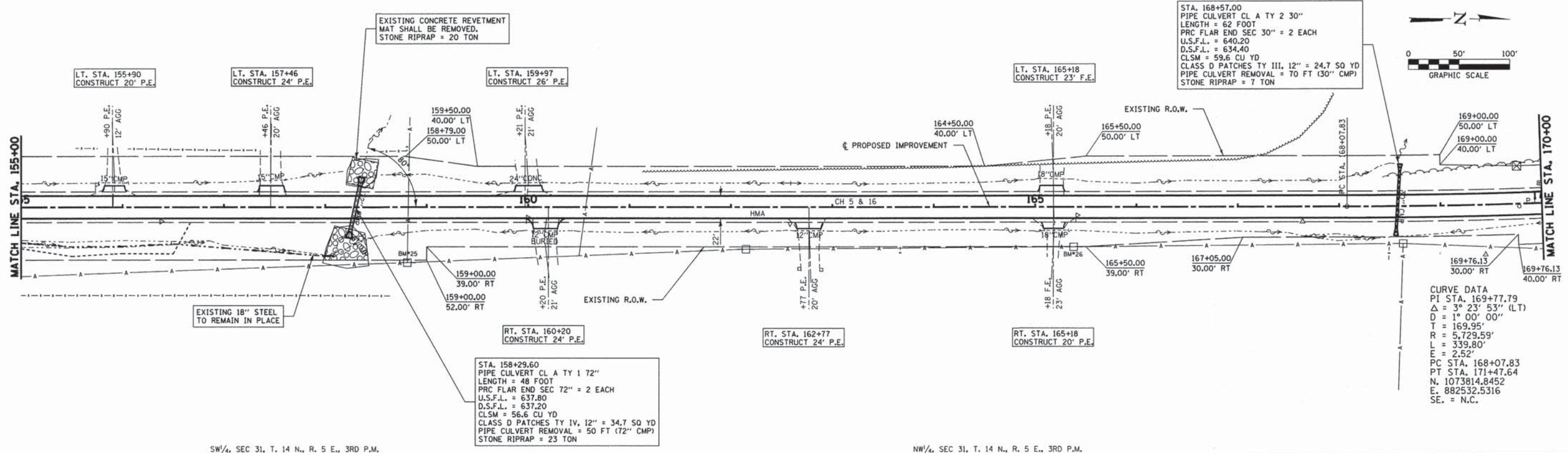
PLAN & PROFILE  
 WILBORN CREEK ROAD C.H. 5 & 16, T.R. 161B  
 SCALE: 50H:5V  
 SHEET NO. 10 OF 15 SHEETS  
 STA. 125+00.00 TO STA. 140+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1663	05-00064-00-RS	MOULTRIE	57	18
CONTRACT NO. 95766			ILLINOIS FED. AID PROJECT	

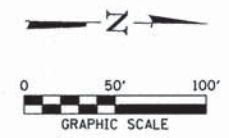


SW 1/4, SEC 31, T. 14 N., R. 5 E., 3RD P.M.

NW 1/4, SEC 31, T. 14 N., R. 5 E., 3RD P.M.



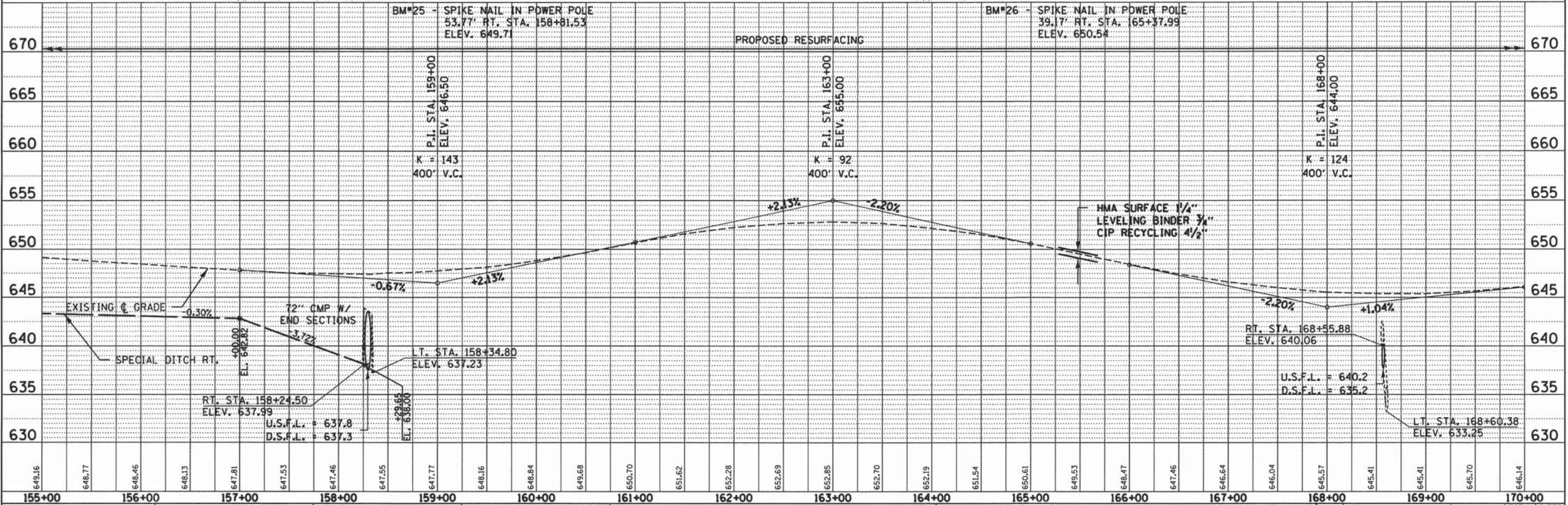
STA. 168+57.00  
 PIPE CULVERT CL A TY 2 30"  
 LENGTH = 62 FOOT  
 PRC FLAR END SEC 30" = 2 EACH  
 U.S.F.L. = 640.20  
 D.S.F.L. = 634.40  
 CLSM = 59.6 CU YD  
 CLASS D PATCHES TY III, 12" = 24.7 SQ YD  
 PIPE CULVERT REMOVAL = 70 FT (30" CMP)  
 STONE RIPRAP = 7 TON



CURVE DATA  
 PI STA. 169+77.79  
 D = 3° 23' 53" (LT)  
 T = 1° 00' 00"  
 L = 169.95'  
 R = 5,729.59'  
 E = 339.80'  
 PC STA. 168+07.83  
 PT STA. 171+47.64  
 N. 1073814.8452  
 E. 882532.5316  
 SE. = N.C.

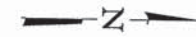
DATE	
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REVISIONS	
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DESCRIPTION	
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DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	

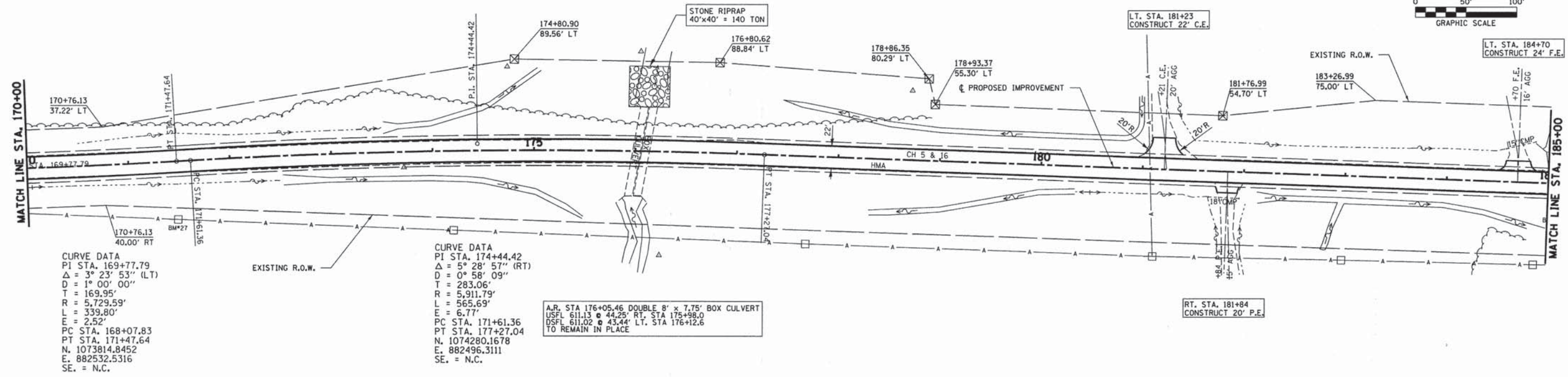


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HAMPTON, LENZINI AND RENWICK, INC.	PLOT SCALE =	DRAWN - T.W.K.	REVISED -			1663	05-00064-00-RS	MOULTRIE	57	20	
280 STEVENSON DRIVE SUITE 201	PLOT DATE = 4/6/2015	CHECKED - S.W.M.	REVISED -			CONTRACT NO. 95766					
8799 WILSON AVENUE SUITE 201	DATE - 01/21/15	REVISIONS				ILLINOIS FED. AID PROJECT					

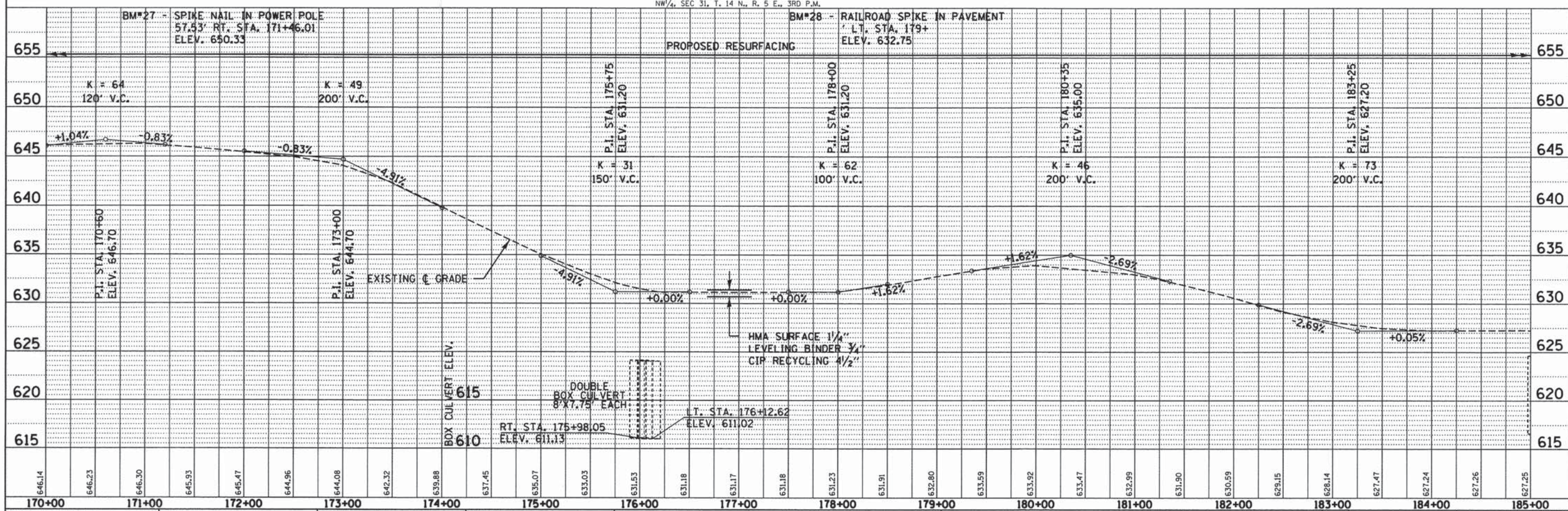
SCALE: 50H:5V SHEET NO. 12 OF 15 SHEETS STA. 155+00.00 TO STA. 170+00.00



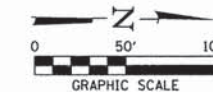
PLAN	DATE
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REVISIONS	
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DESCRIPTION	



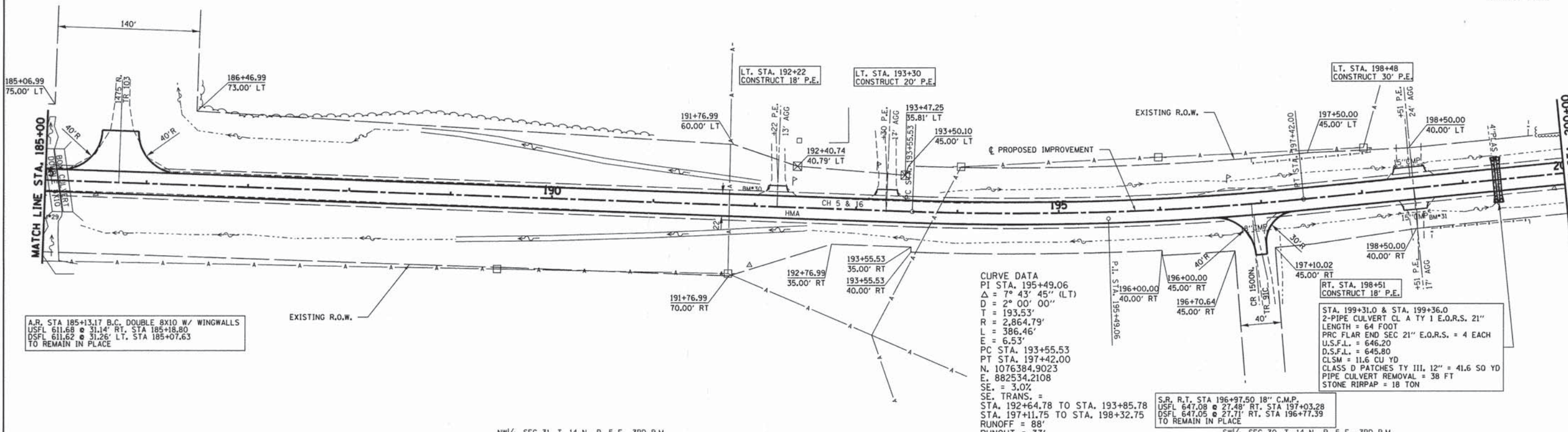
PROFILE	DATE
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REVISIONS	
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DESCRIPTION	



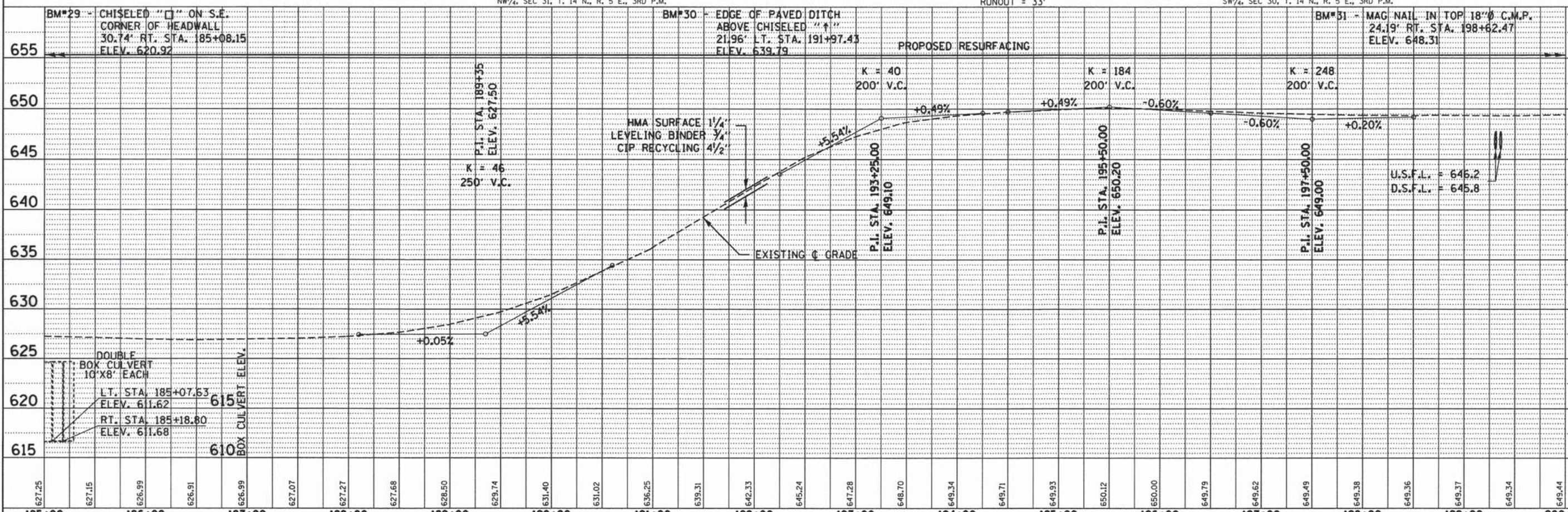
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HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - T.W.K.	REVISED -		1663	05-00064-00-RS	MOULTRIE	57	21				
3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62763		CHECKED - S.W.M.	REVISED -		SCALE: 50H:5V SHEET NO. 13 OF 15 SHEETS STA. 170+00.00 TO STA. 185+00.00				CONTRACT NO. 95766				
ILLINOIS PROFESSIONAL DESIGN FIRM L.S. / P.E. / S.E. CORP. 184.000889		DATE = 01/21/15	REVISED -		ILLINOIS FED. AID PROJECT								



PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	DATE	
	NO. OF SHEETS	
	NO. OF SHEETS CHECKED	
	FILE NAME	

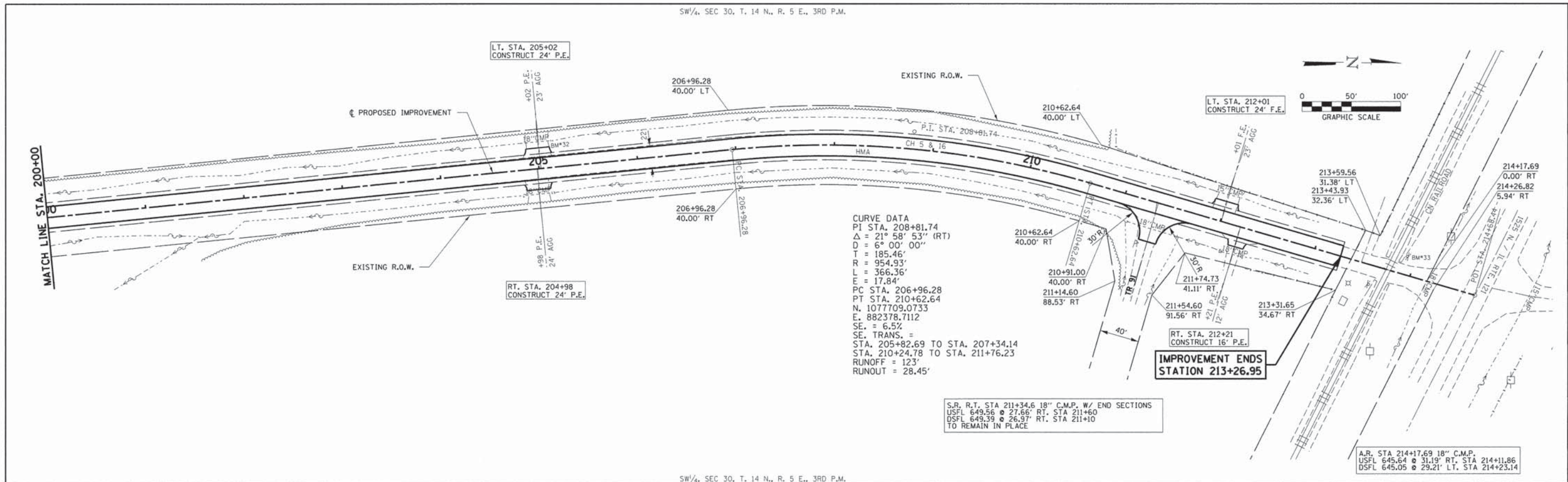


PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	DATE	
	NO. OF SHEETS	
	NO. OF SHEETS CHECKED	
	FILE NAME	



627.25	627.15	626.99	626.91	626.99	627.07	627.27	627.68	628.50	629.74	631.40	631.02	636.25	639.31	642.33	645.24	647.28	648.70	649.34	649.71	649.93	650.12	650.00	649.79	649.62	649.49	649.38	649.36	649.37	649.34	649.44	
185+00	186+00	187+00	188+00	189+00	190+00	191+00	192+00	193+00	194+00	195+00	196+00	197+00	198+00	199+00	200+00																

SW 1/4, SEC 30, T. 14 N., R. 5 E., 3RD P.M.

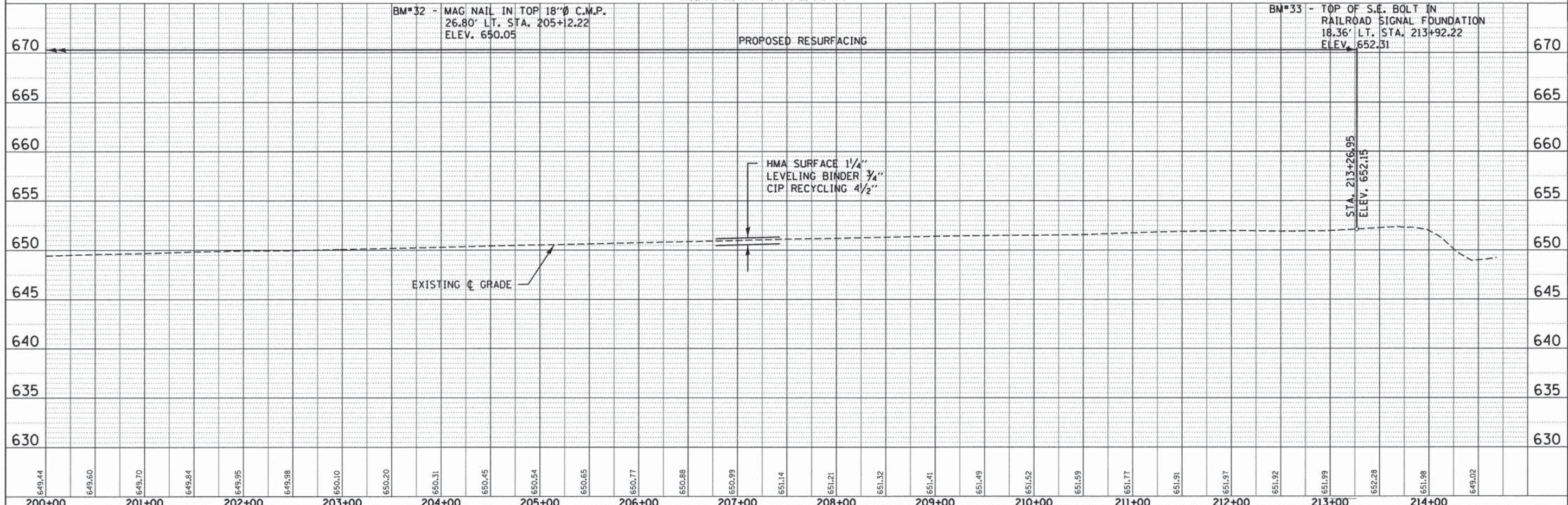


**CURVE DATA**  
 PI STA. 208+81.74  
 $\Delta = 21^\circ 58' 53''$  (RT)  
 $D = 6^\circ 00' 00''$   
 $T = 185.46'$   
 $R = 954.93'$   
 $L = 366.36'$   
 $E = 17.84'$   
 PC STA. 206+96.28  
 PT STA. 210+62.64  
 N. 1077709.0733  
 E. 882378.7112  
 SE. = 6.5%  
 SE. TRANS. =  
 STA. 205+82.69 TO STA. 207+34.14  
 STA. 210+24.78 TO STA. 211+76.23  
 RUNOFF = 123'  
 RUNOUT = 28.45'

S.R. RT. STA 211+34.6 18" C.M.P. W/ END SECTIONS  
 USFL 649.56 @ 27.66' RT. STA 211+60  
 DSFL 649.39 @ 26.97' RT. STA 211+10  
 TO REMAIN IN PLACE

A.R. STA 214+17.69 18" C.M.P.  
 USFL 645.64 @ 31.19' RT. STA 214+11.86  
 DSFL 645.05 @ 29.21' LT. STA 214+23.14

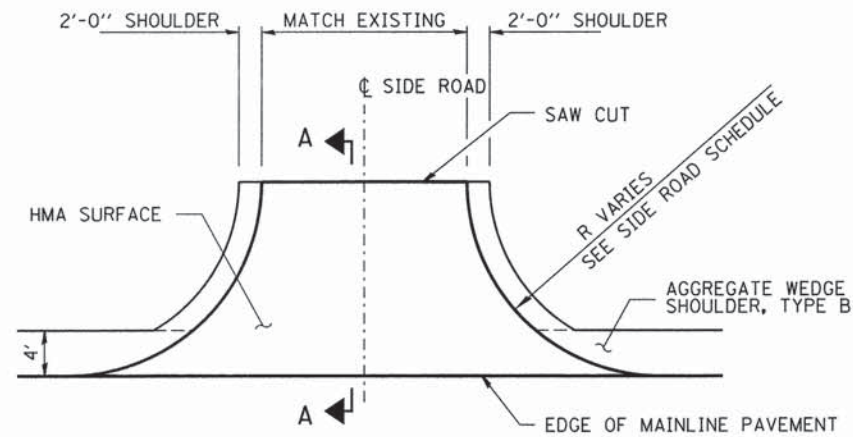
SW 1/4, SEC 30, T. 14 N., R. 5 E., 3RD P.M.



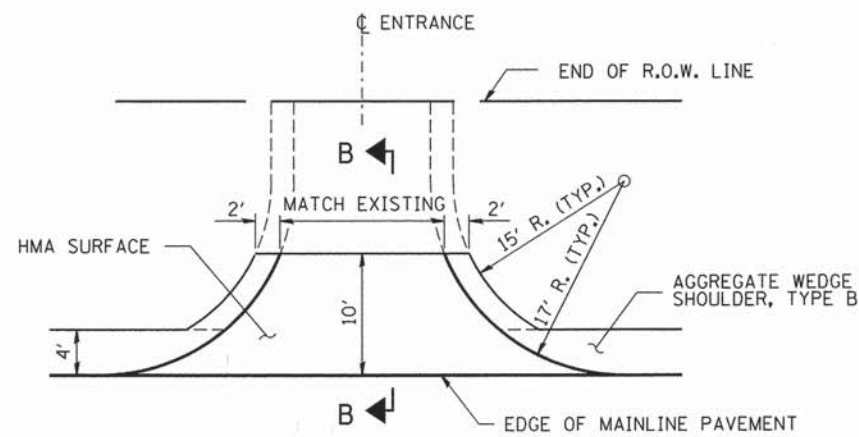
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HAMPTON, LENZINI AND RENWICK, INC. 2005 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62709 ILLINOIS PROFESSIONAL DESIGN FIRM L3 / PE / SE CORP. 184.000959	PLLOT SCALE =	DRAWN - T.W.K.	REVISED -		1663	05-00064-00-RS	MOULTRIE	57	23	CONTRACT NO. 95766	
PLLOT DATE = 10/23/2015	DATE = 01/21/15	CHECKED - S.W.M.	REVISED -		SCALE: 50H:5V	SHEET NO. 14 OF 15 SHEETS	STA. 200+00.00 TO STA. 214+00.00	ILLINOIS FED. AID PROJECT			
		DATE = 01/21/15	REVISED -								

PLAN	SURVEYED	DATE
	ALIGNED	
	CHECKED	
	BY	
	NO.	

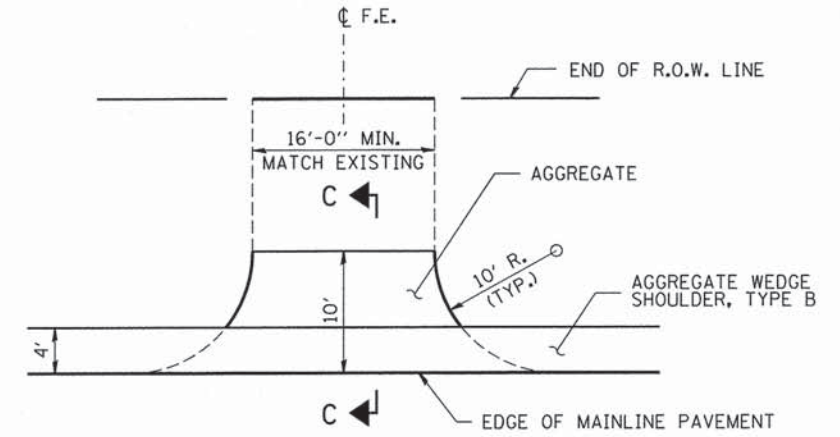
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	GRADES	
	CHECKED	
	BY	
	NO.	



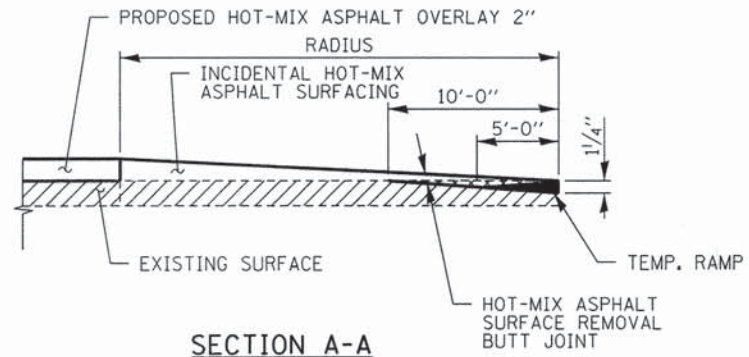
**SIDE ROAD DETAIL**



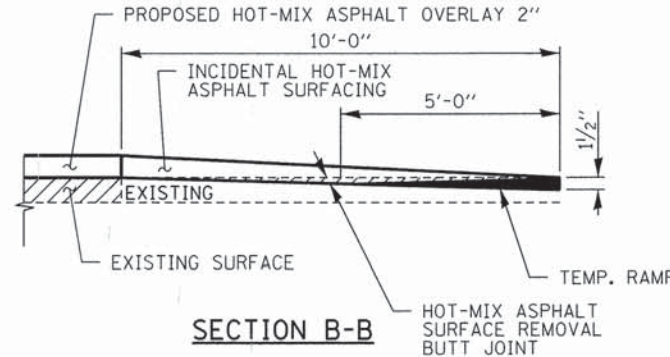
**PRIVATE ENTRANCE DETAIL**



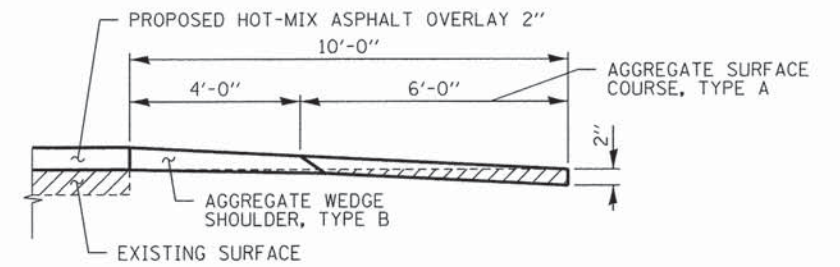
**PRIVATE AND FIELD ENTRANCE DETAIL**



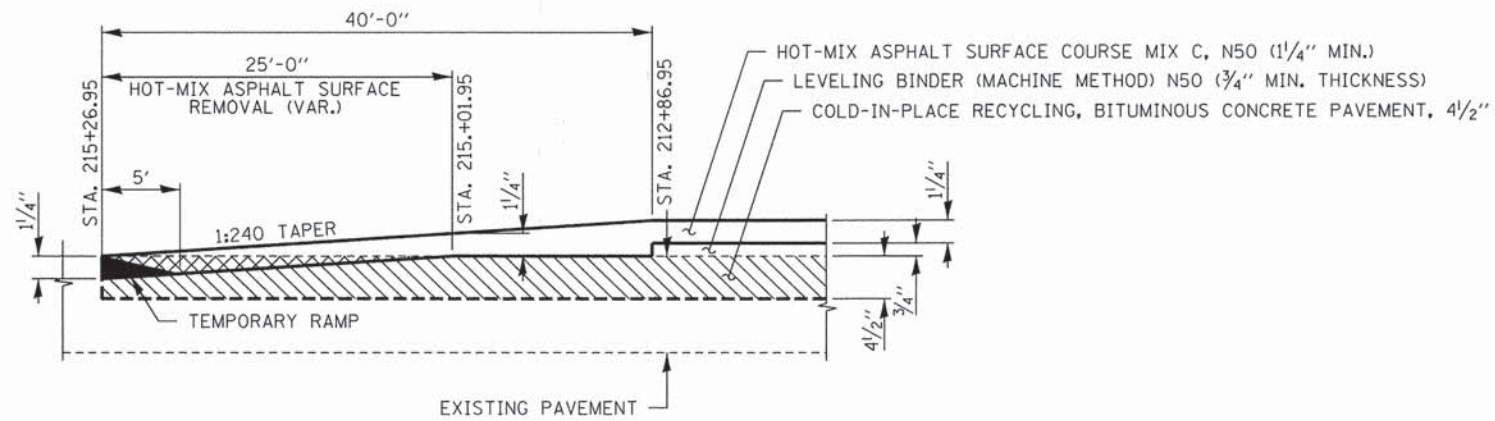
**SECTION A-A**



**SECTION B-B**



**SECTION C-C**



**PAVEMENT TRANSITION DETAIL**

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HAMPTON, LENZINI AND RENWICK, INC. 303 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE =	DRAWN - T.W.K.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM L.L. / P.E. / B.E. CORP. 184.000958	PLOT DATE = 4/6/2015	CHECKED - X.X.X.	REVISED -
		DATE - 10/21/13	REVISED -

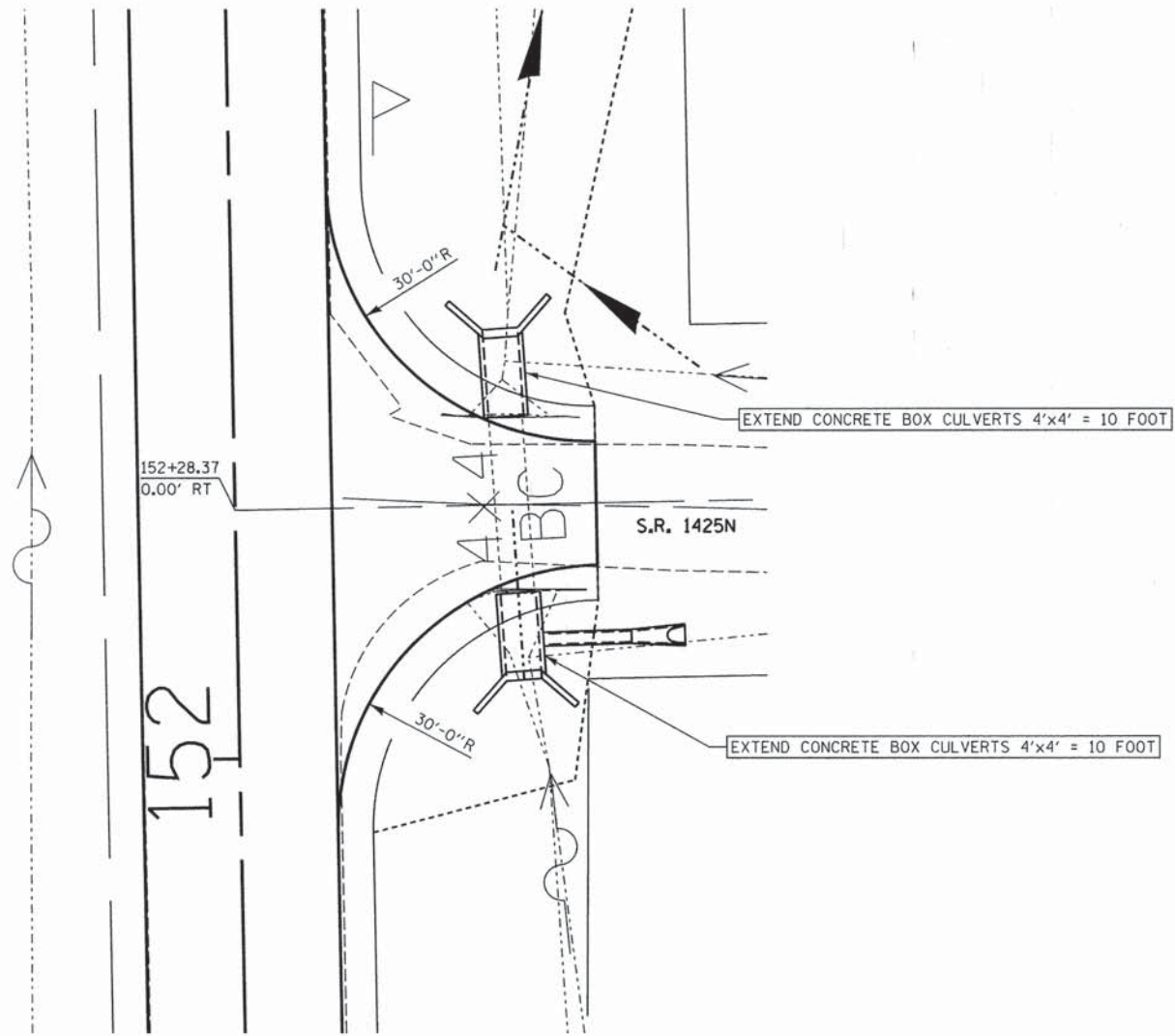
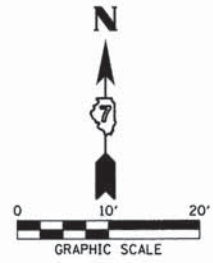
**STATE OF ILLINOIS  
MOULTRIE COUNTY HIGHWAY DEPARTMENT**

**ENTRANCE DETAILS  
WILBORN CREEK ROAD C.H. 5 & 16, T.R. 161B**

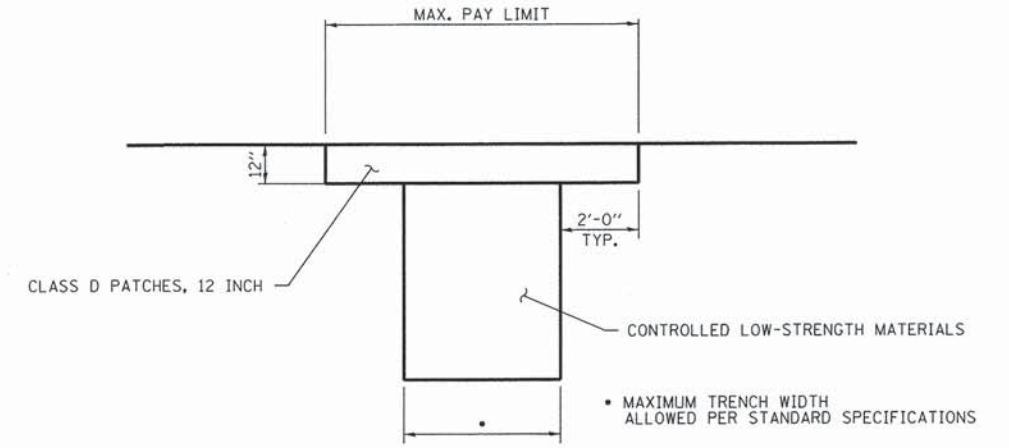
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1663	05-00064-00-RS	MOULTRIE	57	24
CONTRACT NO. 95766				
ILLINOIS FED. AID PROJECT				



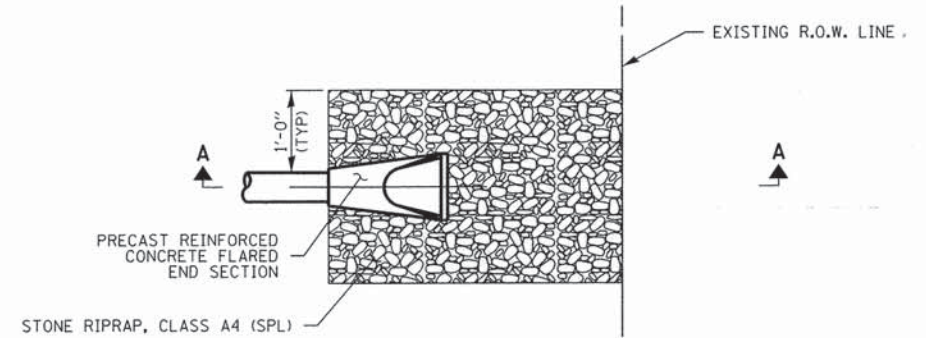


**DETAIL OF CULVERT AT 1425N**



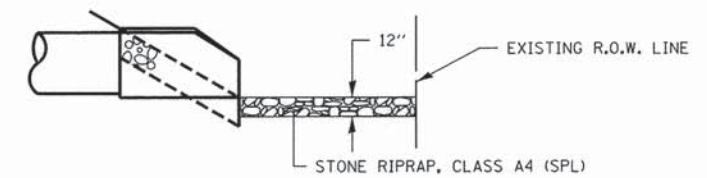
**CLASS D PATCHES**  
NO SCALE

NOTE: MAXIMUM PAY LIMIT OF AGGREGATE SHOULDERS, TYPE A SHALL BE THE SAME AS CLASS D PATCHES.



**RIPRAP APRON DETAIL - CULVERT OUTLETS ONLY**

NO SCALE  
SEE CULVERT SCHEDULE FOR QUANTITY



**CROSS SECTION A-A**

FILE NAME = 72003-ah-misc-details.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3055 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE =	DRAWN - T.W.K.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM L3 / PE / SE CORP. 184.000569	PLOT DATE = 4/6/2015	CHECKED - S.W.M.	REVISED -
		DATE - 01/21/15	REVISED -

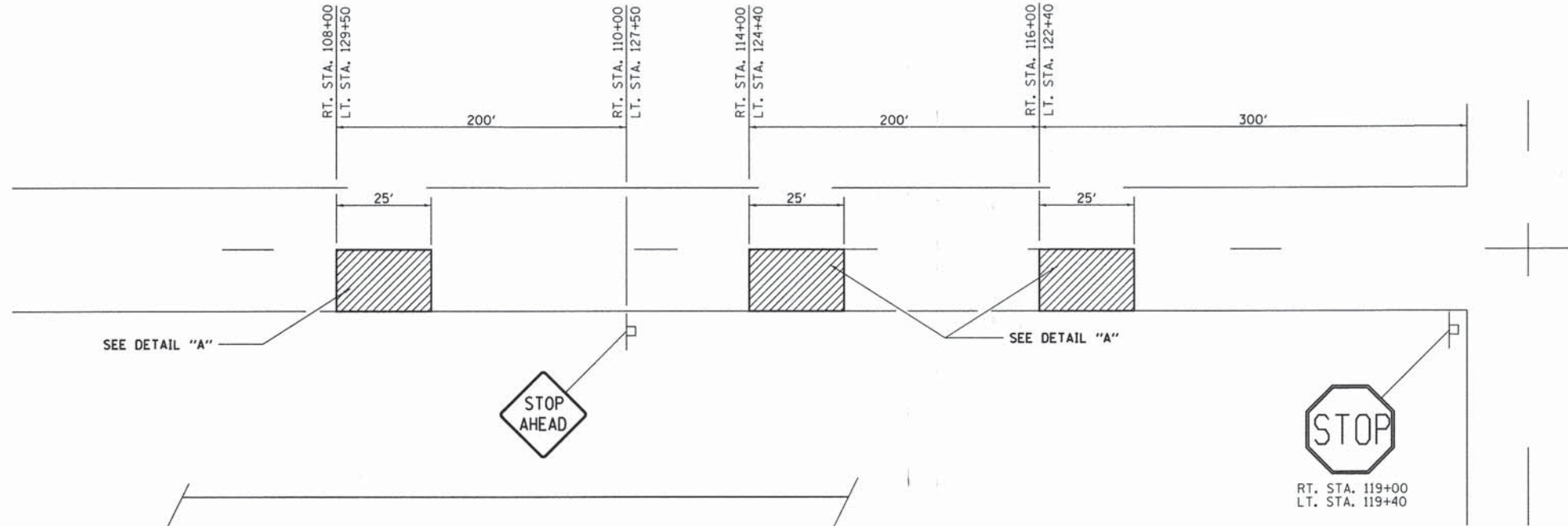
STATE OF ILLINOIS  
MOULTRIE COUNTY HIGHWAY DEPARTMENT

MISCELLANEOUS DETAILS  
WILBORN CREEK ROAD C.H. 5 & 16, T.R. 161B

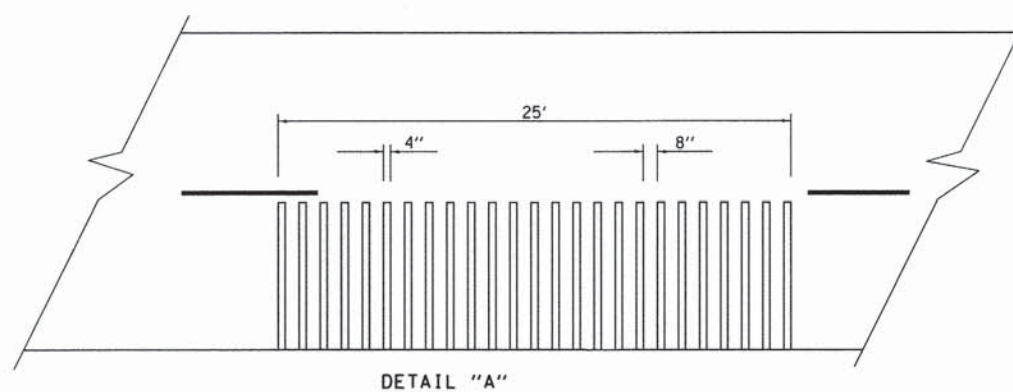
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F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1663	05-00064-00-RS	MOULTRIE	57	25
CONTRACT NO. 95766			ILLINOIS FED. AID PROJECT	

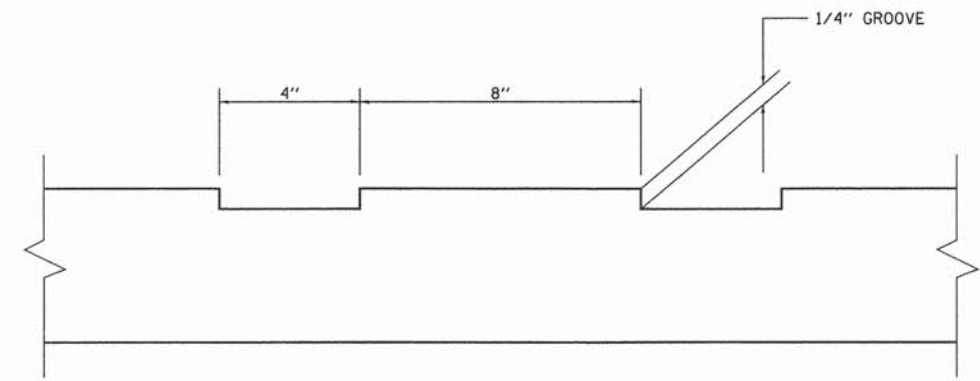
## TYPICAL RUMBLE STRIP APPLICATION IN ADVANCE OF AN INTERSECTION



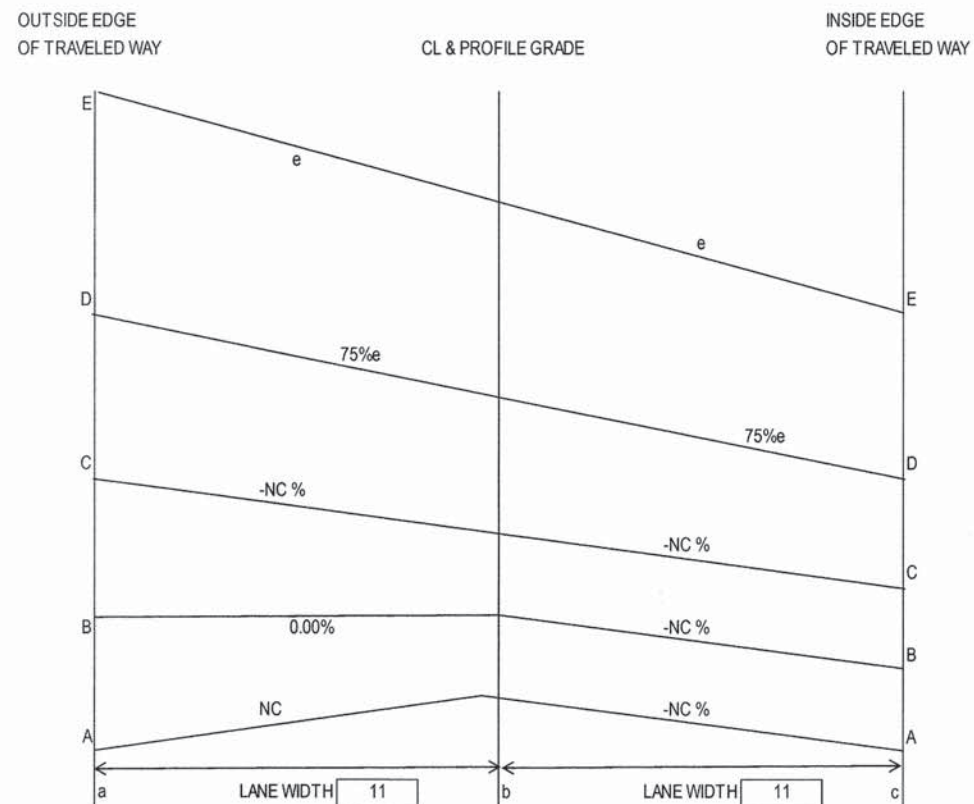
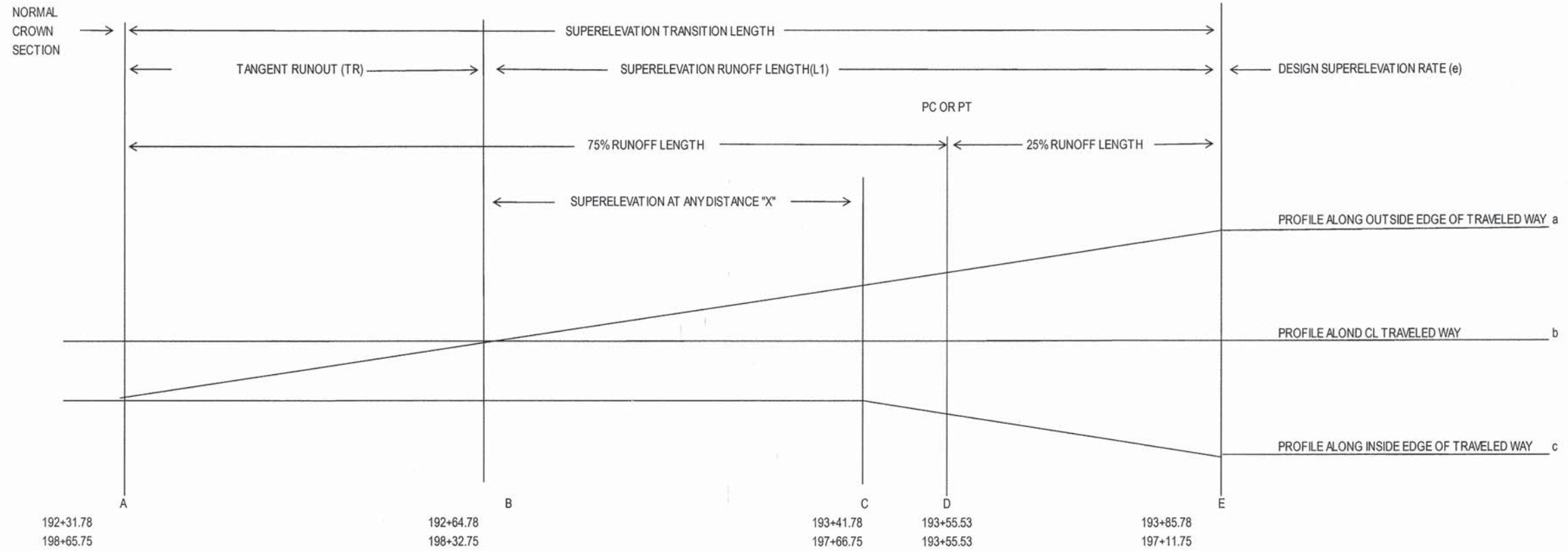
Z0055300 RUMBLE STRIP	
LOCATION	EACH
FAS 1663 CH 5 & 16, TR 161B	
RT STA 108+00	1
RT STA 114+00	1
RT STA 116+00	1
LT STA 122+40	1
LT STA 124+40	1
LT STA 129+40	1
<b>TOTAL</b>	<b>6</b>



**NOTE:** THE 25 FEET RUMBLE AREA HAS 4" WIDE GROOVES SAWED INTO THE PAVEMENT, SEPARATED BY 8" OF EXISTING PAVEMENT. THE SAW CUTS SHALL EXTEND 12" INTO THE SHOULDER TO ALLOW FOR DRAINAGE.



XX006922 RUMBLE STRIP REMOVAL	
LOCATION	EACH
FAS 1663 CH 5 & 16, TR 161B	
RT STA 108+00	1
RT STA 114+00	1
RT STA 116+00	1
LT STA 122+40	1
LT STA 124+40	1
LT STA 129+40	1
<b>TOTAL</b>	<b>6</b>



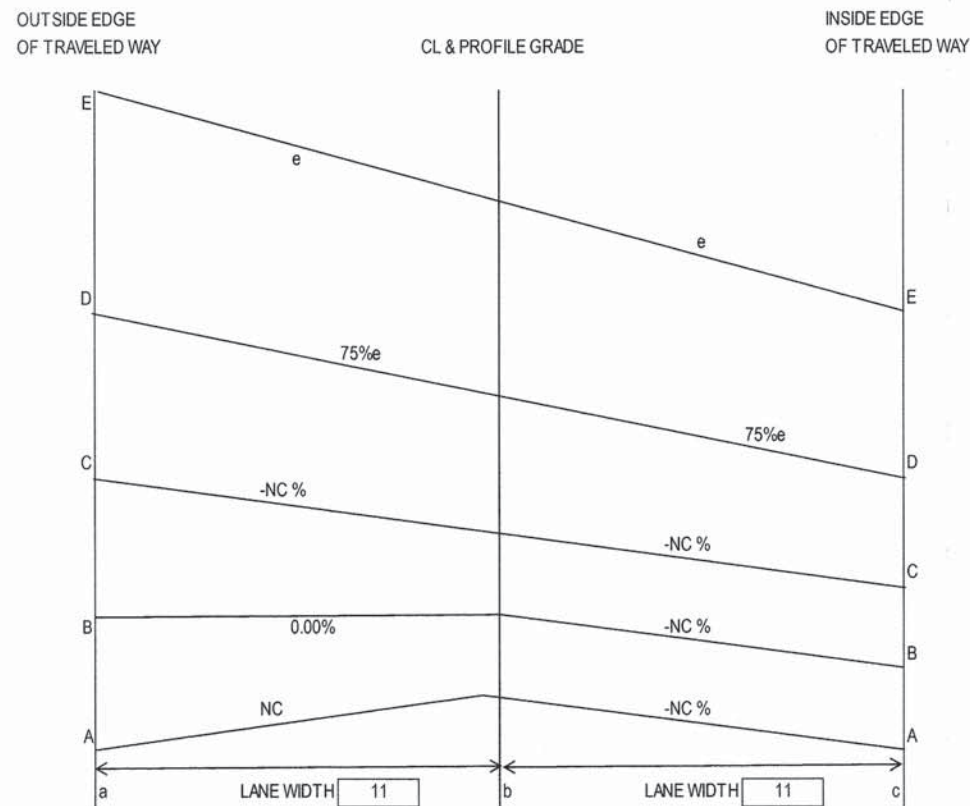
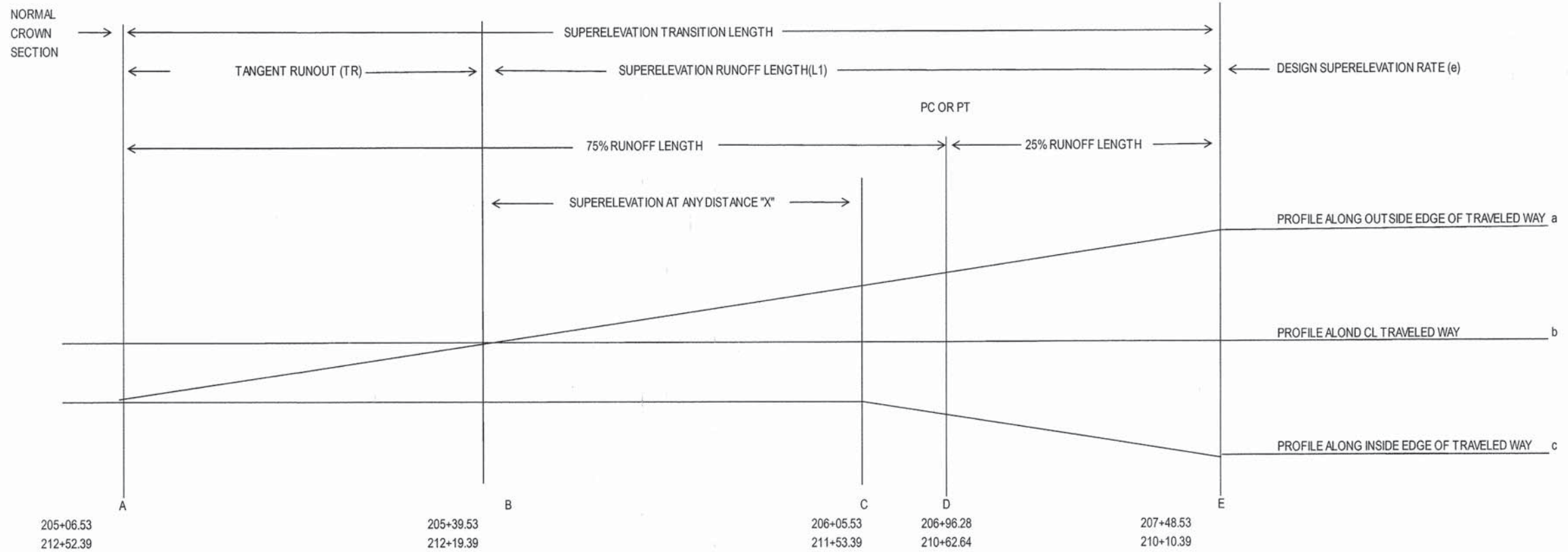
CURVE P.I. STATION 195+49.06 TRANSITION DETAILS			
R=	2864.79	FT	
NC =	1.50	%	LANE WIDTH= 11 FT.
CURVE=	LEFT		S.E. = 4.00 %
		1/3	2/3
L1	88	30.25	90.75
TR	33	-	-

		CURVE STATIONS	
P.C.		193+55.53	
P.T.		197+42.00	

	STATION	SUPERELEVATION	
		LEFT	RIGHT
A	192+31.78	-1.50%	-1.50%
B	192+64.78	0.00%	-1.50%
C	193+41.78	1.50%	-1.50%
D	193+55.53	2.62%	-2.62%
E	193+85.78	4.00%	-4.00%
E	197+11.75	4.00%	-4.00%
D	193+55.53	2.63%	-2.63%
C	197+66.75	1.50%	-1.50%
B	198+32.75	0.00%	-1.50%
A	198+65.75	-1.50%	-1.50%



CURVE P.I. STATION 208+81.74 TRANSITION DETAILS

R= 954.93 FT

NC= 1.50 %

LANE WIDTH= 11 FT.

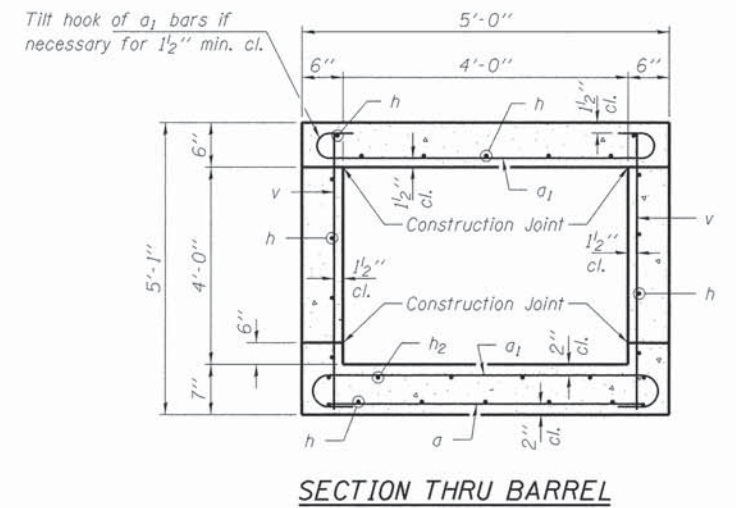
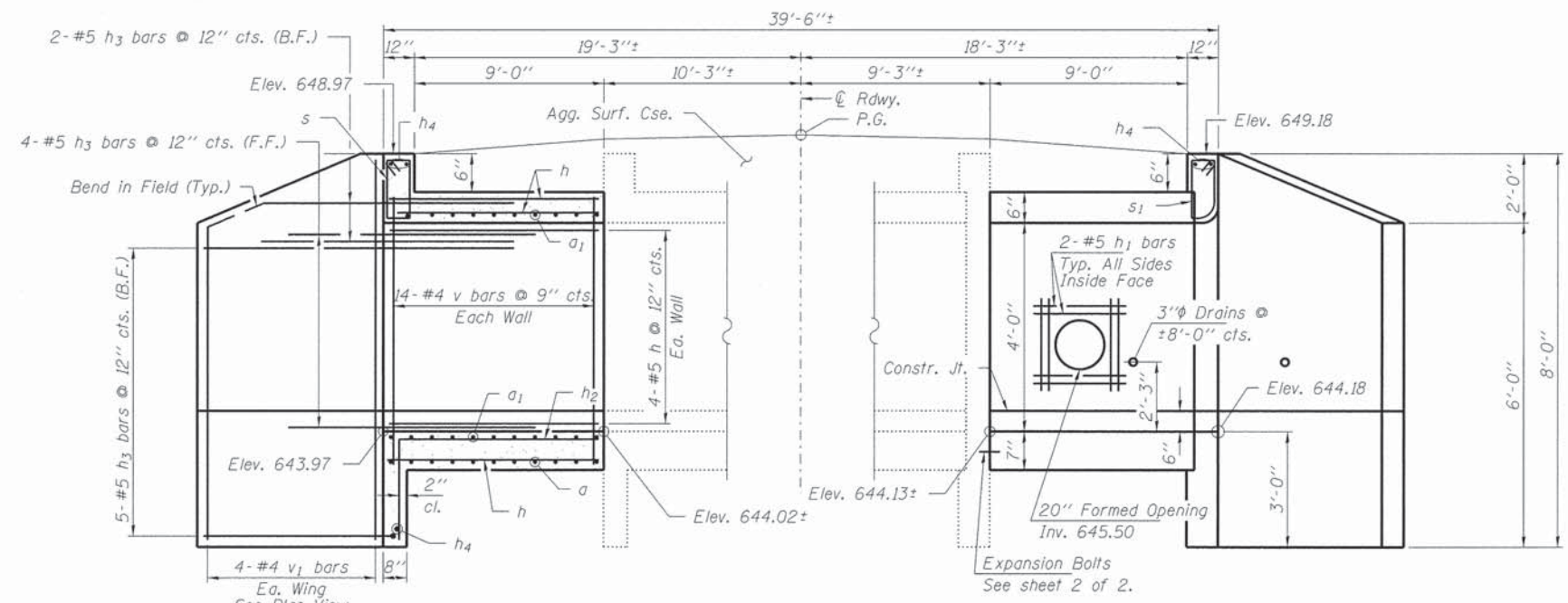
CURVE= RIGHT

S.E.= 8.00 %

		1/4	3/4
L1	176	52.25	156.75
TR	33	-	-

	CURVE STATIONS	
P.C.	206+96.28	
P.T.	210+62.64	

	STATION	SUPERELEVATION	
		LEFT	RIGHT
A	205+06.53	-1.50%	-1.50%
B	205+39.53	0.00%	-1.50%
C	206+05.53	1.50%	-1.50%
D	206+96.28	5.63%	-5.63%
E	207+48.53	8.00%	-8.00%
E	210+10.39	8.00%	-8.00%
D	210+62.64	5.63%	-5.63%
C	211+53.39	1.50%	-1.50%
B	212+19.39	0.00%	-1.50%
A	212+52.39	-1.50%	-1.50%



**INDEX OF STRUCTURE SHEETS**  
1-2. Culvert Details

**NOTES**

Plan dimensions and details relative to existing structure have been taken from field survey and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

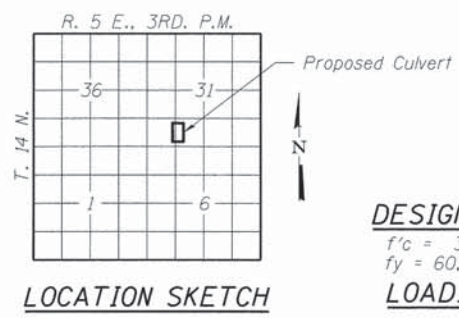
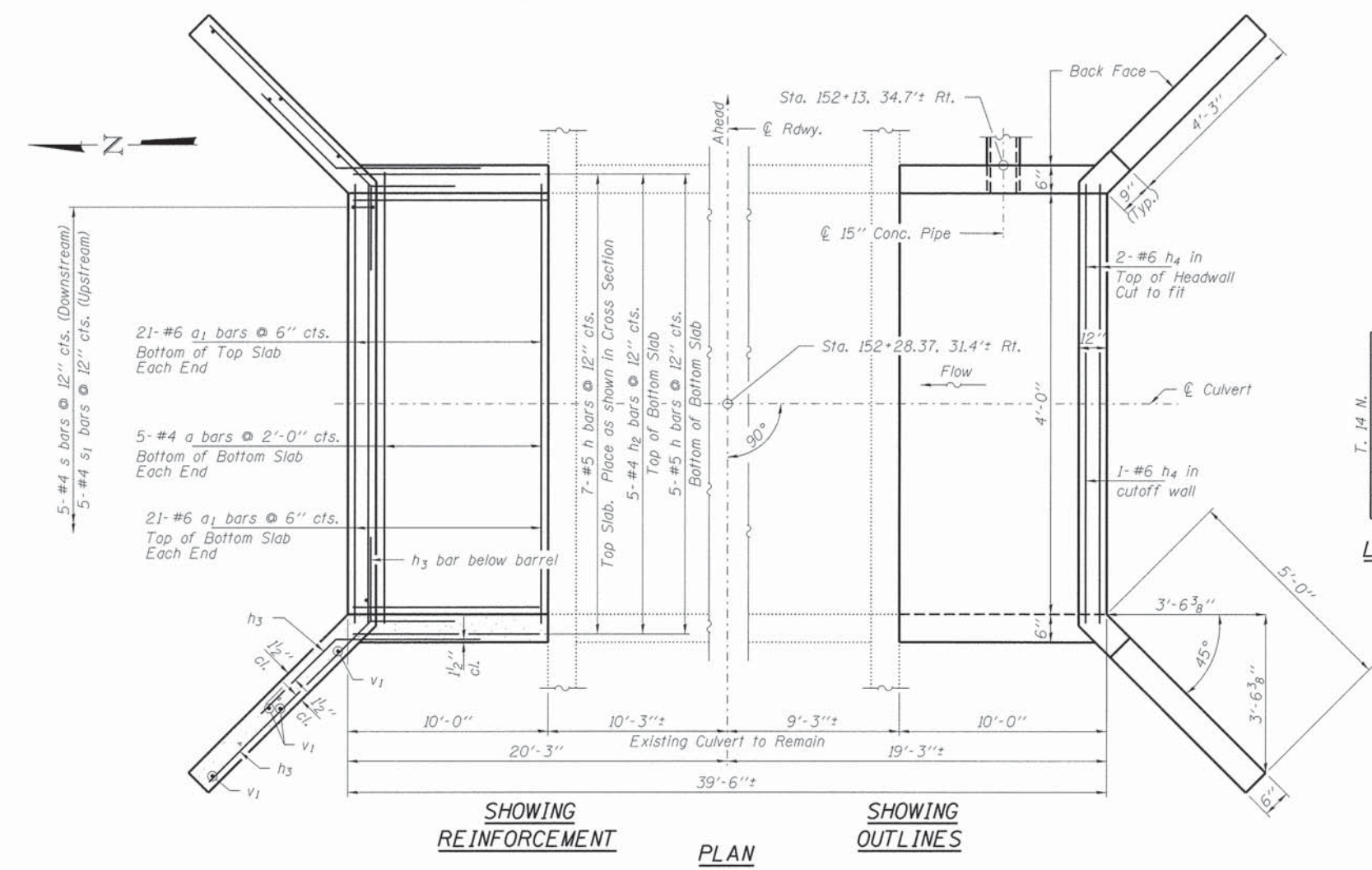
Exposed edges shall be beveled 3/4".

Reinforcement bars shall conform to the requirements of ASTM A 706 Grade 60. The barrel shall be poured monolithically with the wingwalls.

It shall be the responsibility of the Contractor to divert flow during construction in order to keep construction areas free of water. The method of water diversion shall be subject to the approval of the Engineer and shall be included in the cost of Concrete Box Culverts.

All construction joints shall be bonded.

Precast concrete box culverts will not be allowed. Wire mesh reinforcement will be allowed.



**DESIGN STRESSES**  
f'c = 3,500 psi  
fy = 60,000 psi (Reinf.)  
**LOADING HL-93**

Design Specifications: 2012 AASHTO LRFD with all applicable interims.

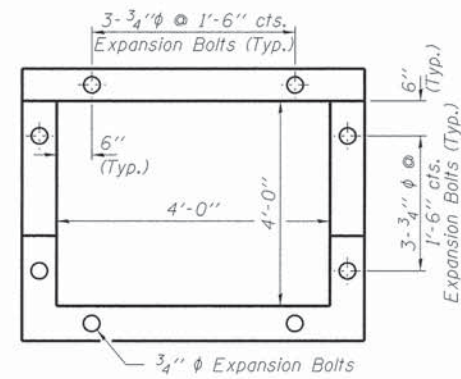
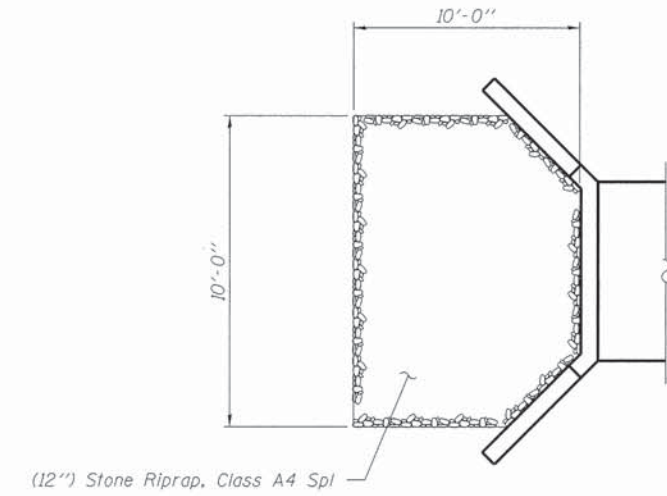
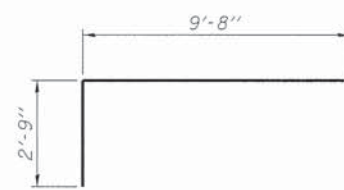
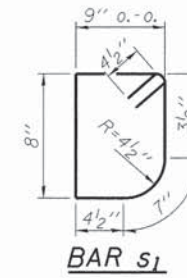
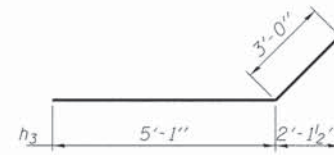
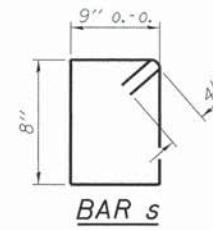
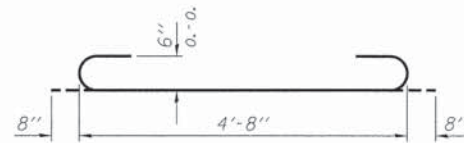
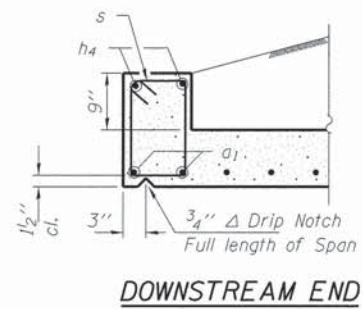
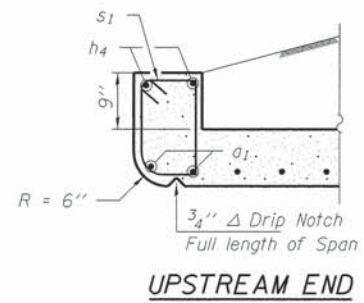
I certify that to the best of my knowledge, information and belief, this culvert design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current "AASHTO LRFD Specifications."

Steven W. Megginson 10/23/2015  
ILLINOIS STRUCTURAL ENGINEER NO. 081-6064



**BILL OF MATERIAL**

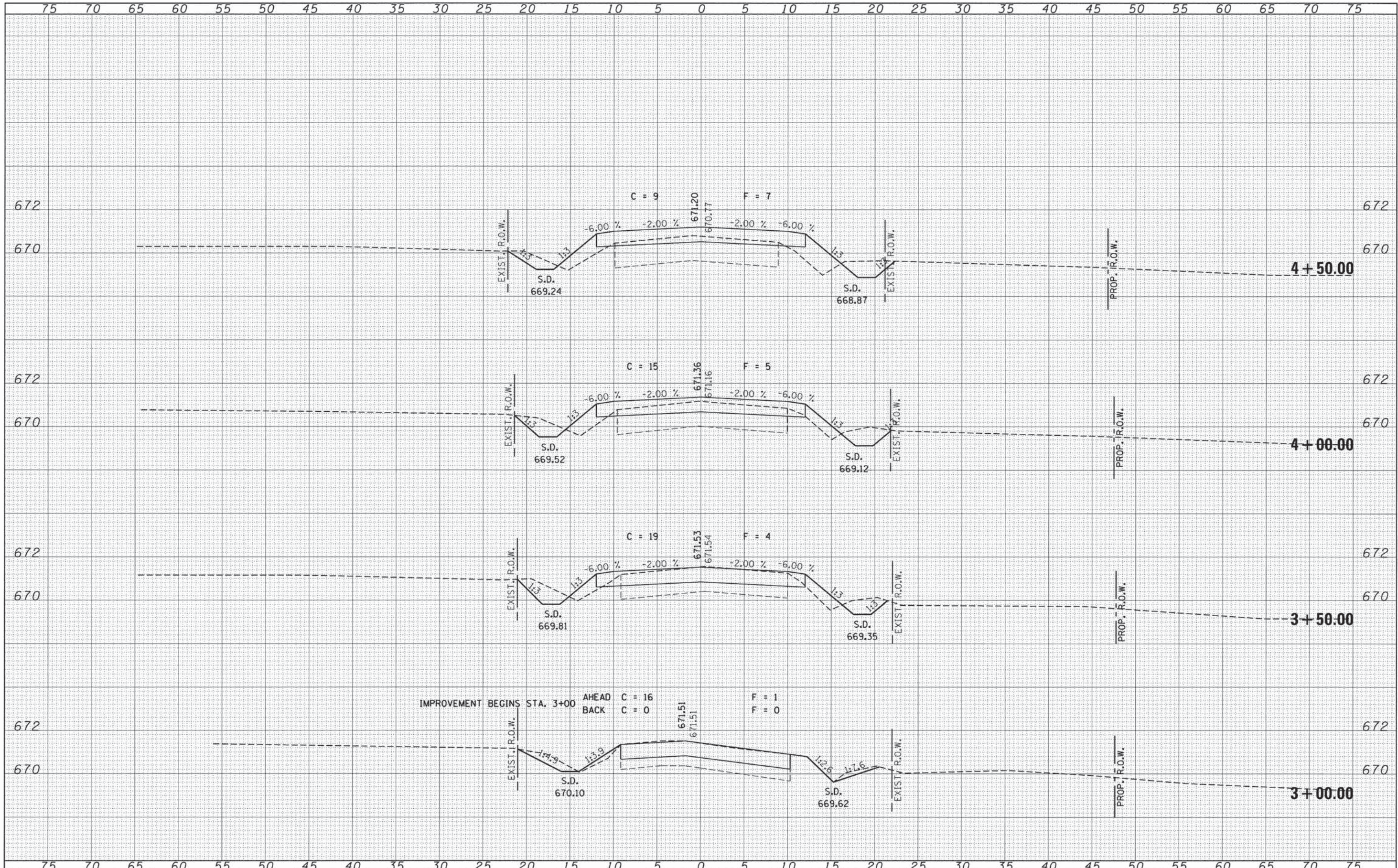
Bar	No.	Size	Length	Shape
a	10	#4	4'-8"	—
a <sub>1</sub>	84	#6	6'-0"	U
h	40	#5	9'-8"	—
h <sub>1</sub>	8	#5	3'-0"	—
h <sub>2</sub>	10	#4	12'-5"	—
h <sub>3</sub>	52	#5	8'-1"	—
h <sub>4</sub>	6	#6	4'-8"	—
s	5	#4	3'-7"	□
s <sub>1</sub>	5	#4	3'-5"	□
v	56	#4	4'-9"	—
v <sub>1</sub>	16	#4	7'-8"	—
Stone Riprap, Class A4 Spl	Ton		14	
Reinforcement Bars	Pound		2,130	
Concrete Box Culverts	Cu. Yd.		10.4	
Expansion Bolts 3/4"	Each		24	



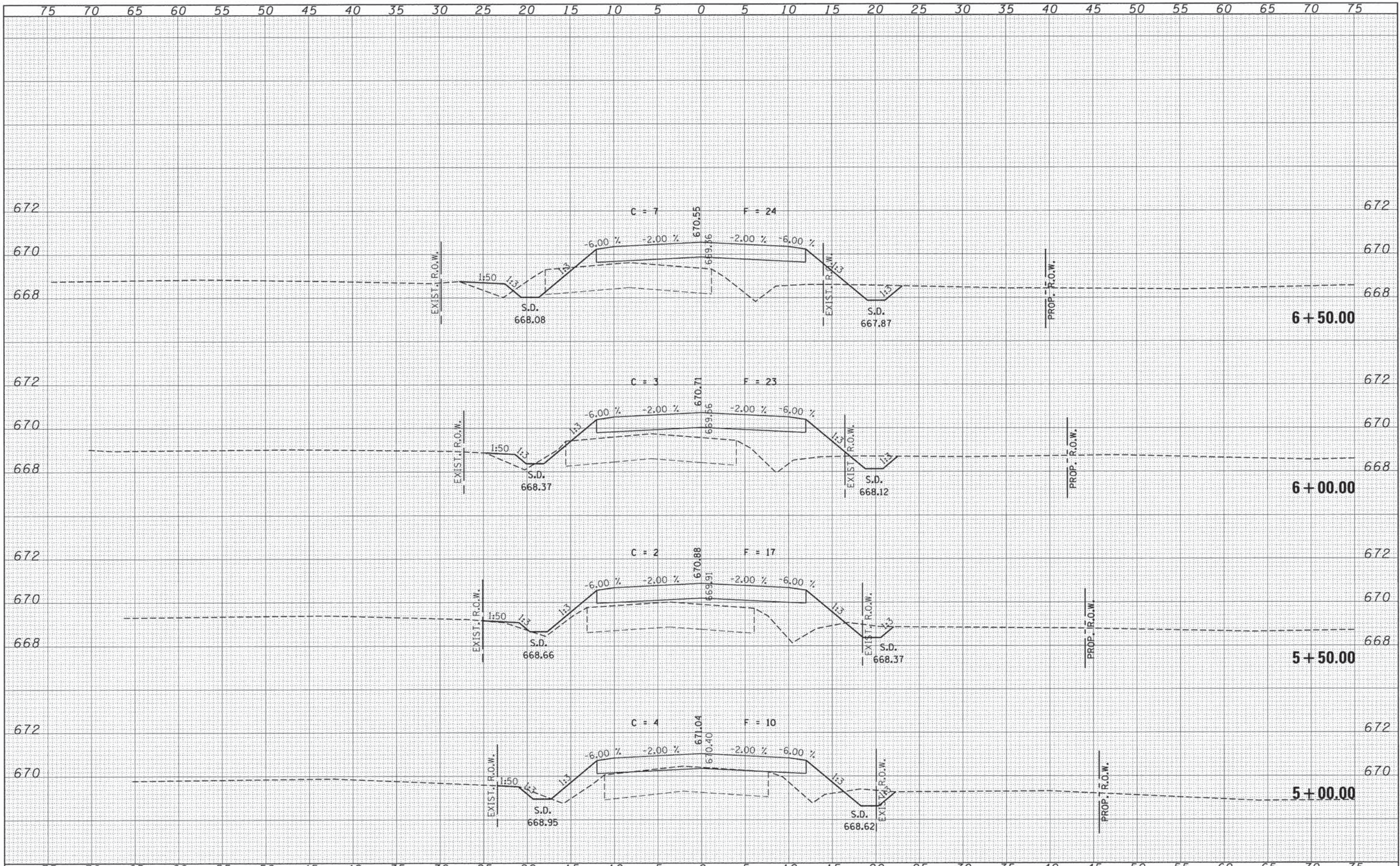
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HAMPTON, LENZINI AND RENWICK, INC. 3345 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE =	CHECKED - S.W.M.	REVISED -			1663	05-00064-00-RS	MOULTRIE	57	30	
ELIROS PROFESSIONAL DESIGN FIRM 157 PEI SE CORP. 184.000009	PLOT DATE = 10/23/2015	DRAWN - D.A.B.	REVISED -			<b>CONTRACT NO. 95766</b>					
		CHECKED - S.W.M.	REVISED -			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



FILE NAME = 72003-sht-sxs.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -	<b>STATE OF ILLINOIS</b> <b>MOULTRIE COUNTY HIGHWAY DEPARTMENT</b>	<b>STATION CROSS SECTIONS</b> <b>WILBORN CREEK ROAD C.H. 5 &amp; 16, T.R. 161B</b>				F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3090 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE =	DRAWN - T.W.K.	REVISED -		1663	05-00064-00-RS	MOULTRIE	57	31				
<b>HLR</b> ILLINOIS PROFESSIONAL DESIGN FIRM L3 / PE / SE CORP. 184.000959	PLOT DATE = 10/23/2015	CHECKED - S.W.M.	REVISED -		SCALE: SHEET NO. OF SHEETS STA. 3+00.00 TO STA. 4+50.00				CONTRACT NO. 95766				
		DATE - 01/21/15	REVISED -						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

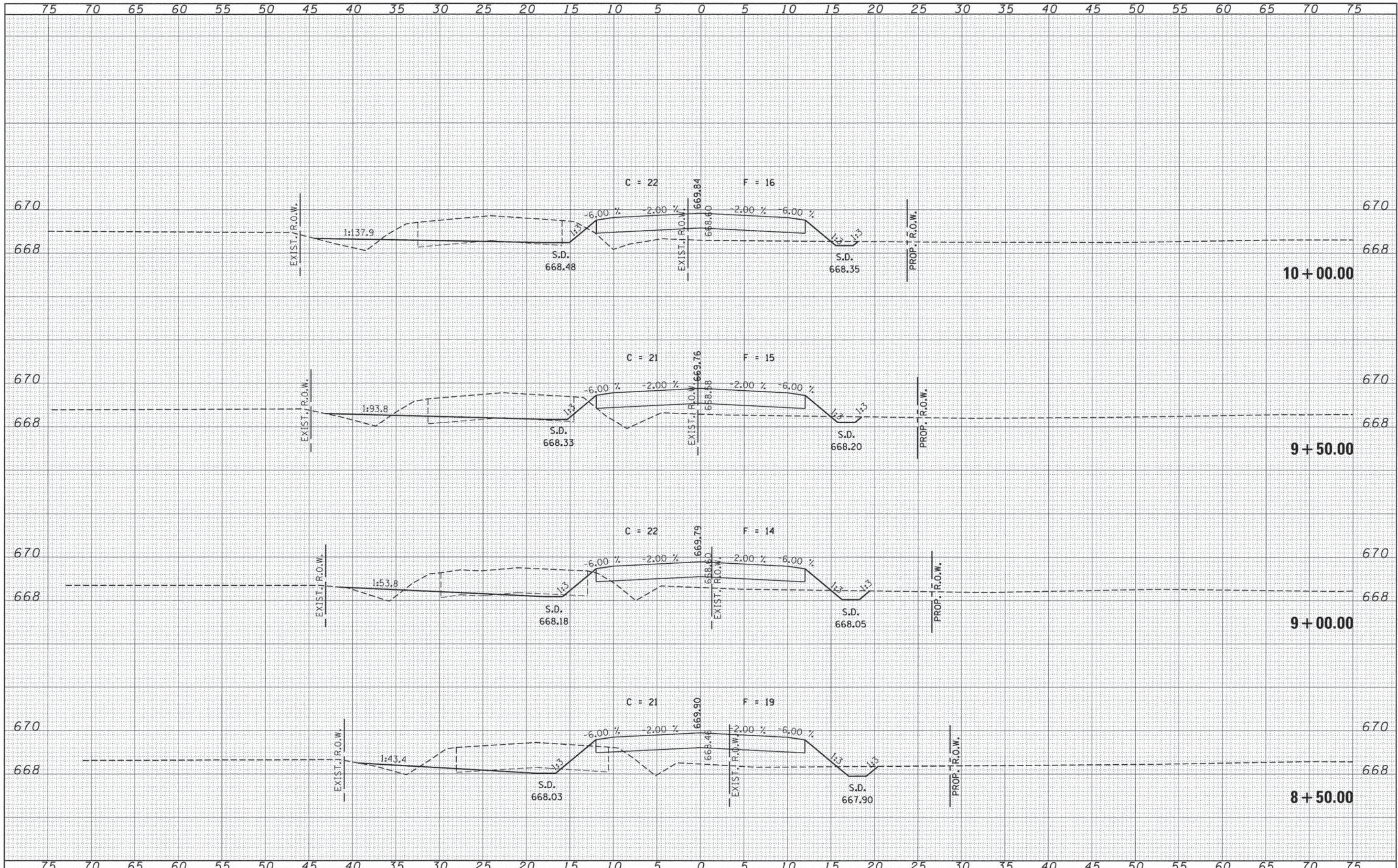
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HAMPTON, LENZINI AND RENWICK, INC.	PLLOT SCALE =	DRAWN - T.W.K.	REVISED -			1663	05-00064-00-RS	MOULTRIE	57	32	
2885 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62781	PLLOT DATE = 10/23/2015	CHECKED - S.W.M.	REVISED -			CONTRACT NO. 95766					
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000999		DATE - 01/21/15	REVISED -			ILLINOIS FED. AID PROJECT					
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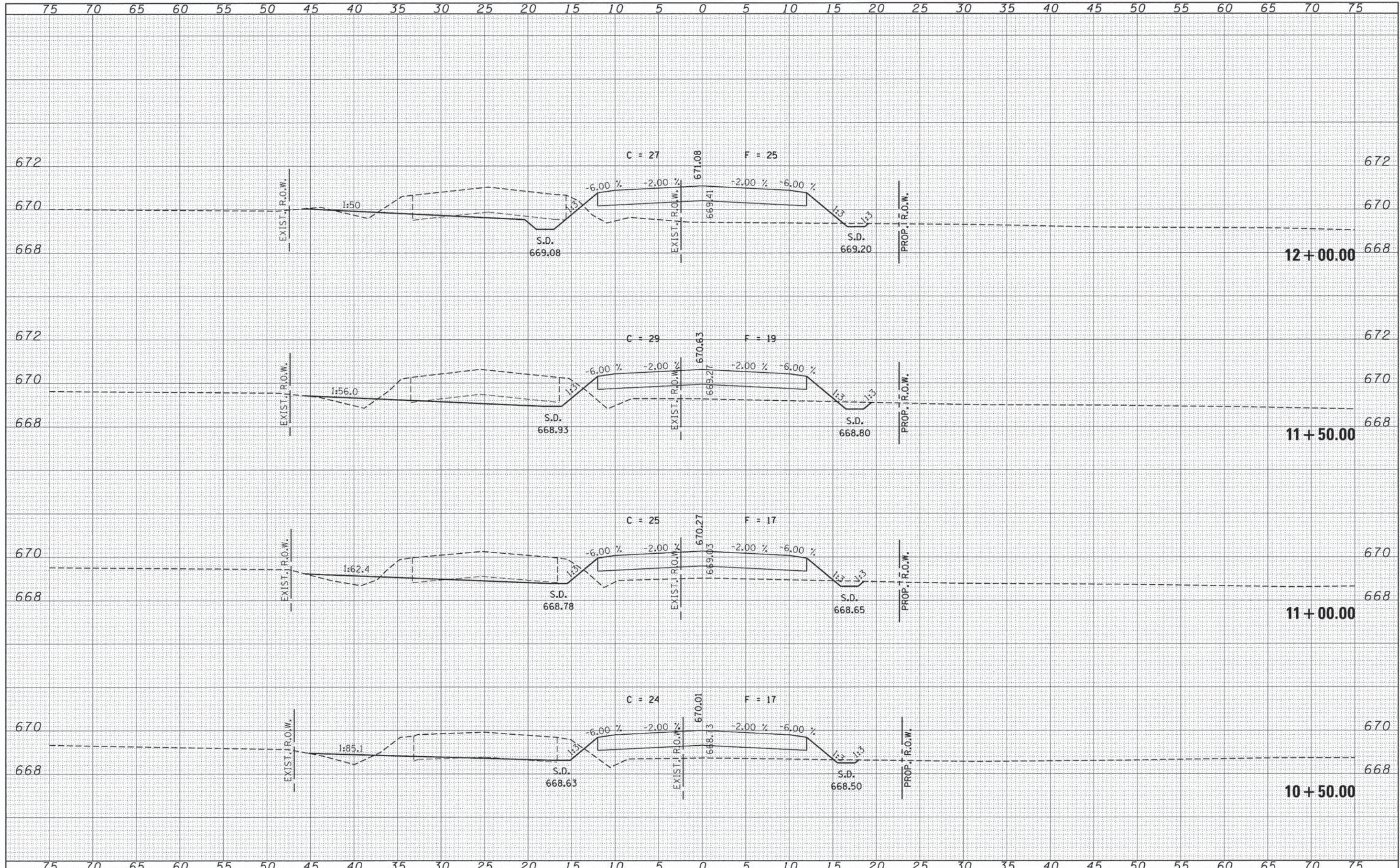
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	AREAS CHECKED
	AREAS CHECKED



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HAMPTON, LENZINI AND RENWICK, INC. 3803 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE =	DRAWN - T.W.K.	REVISED -		1663	05-00064-00-RS	MOULTRIE	57	34			
<b>HLR</b> ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000659	PLOT DATE = 10/23/2015	CHECKED - S.W.M.	REVISED -		SCALE: SHEET NO. OF SHEETS STA. 8+50.00 TO STA. 10+00.00				CONTRACT NO. 95766			
		DATE - 01/21/15	REVISED -		ILLINOIS FED. AID PROJECT							

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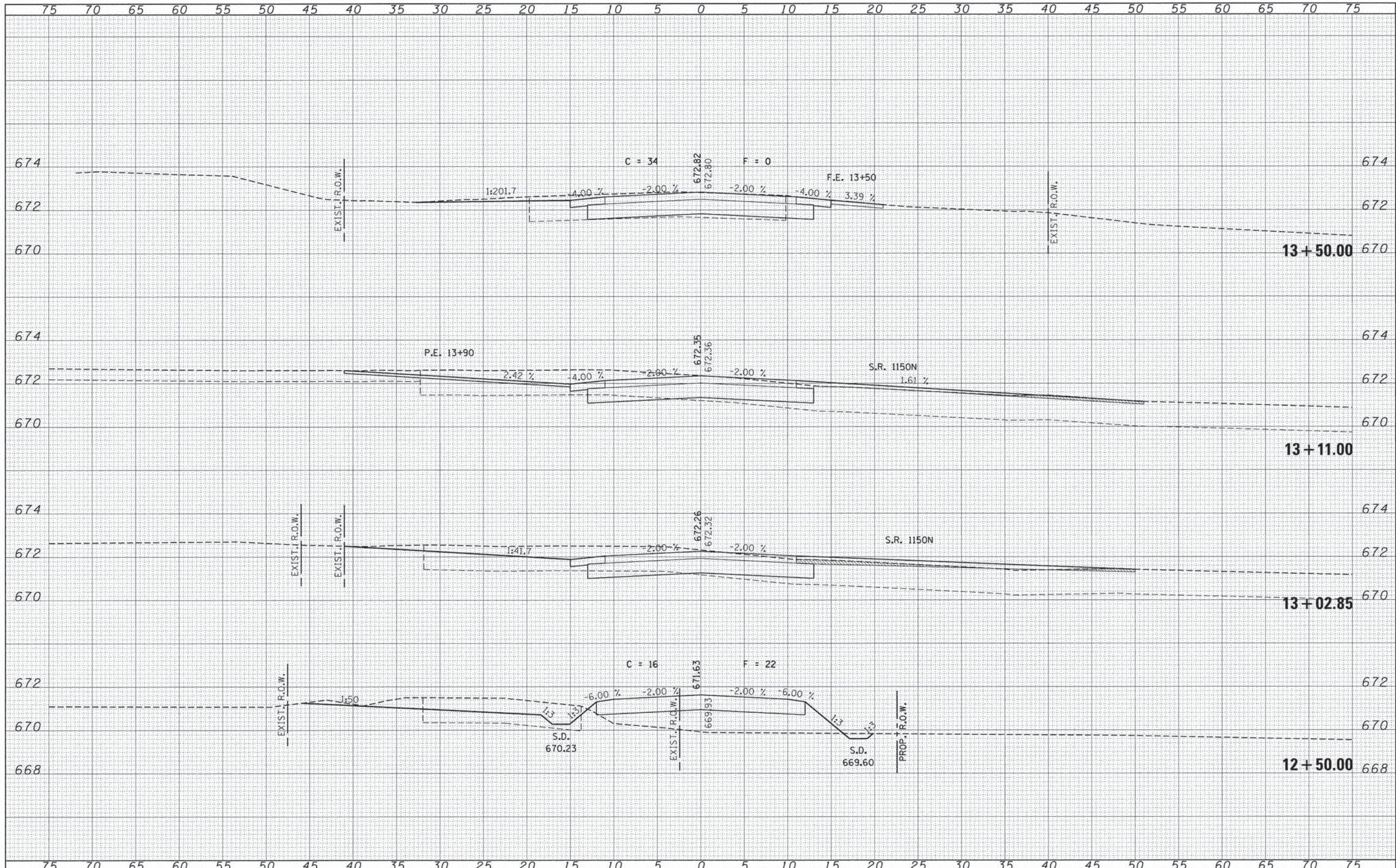
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NOTE BOOK	
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AREAS	
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HAMPTON, LENZINI AND RENWICK, INC. 300 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62761 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184-00069	PLOT SCALE =	DRAWN - T.W.K.	REVISED -		1663	05-0064-00-RS	MOULTRIE	57	35			
PLOT DATE = 10/23/2015	DATE - 01/21/15	CHECKED - S.W.M.	REVISED -		SCALE: SHEET NO. OF SHEETS STA. 10+50.00 TO STA. 12+00.00			CONTRACT NO. 95766 ILLINOIS FED. AID PROJECT				
		DATE - 01/21/15	REVISED -									

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

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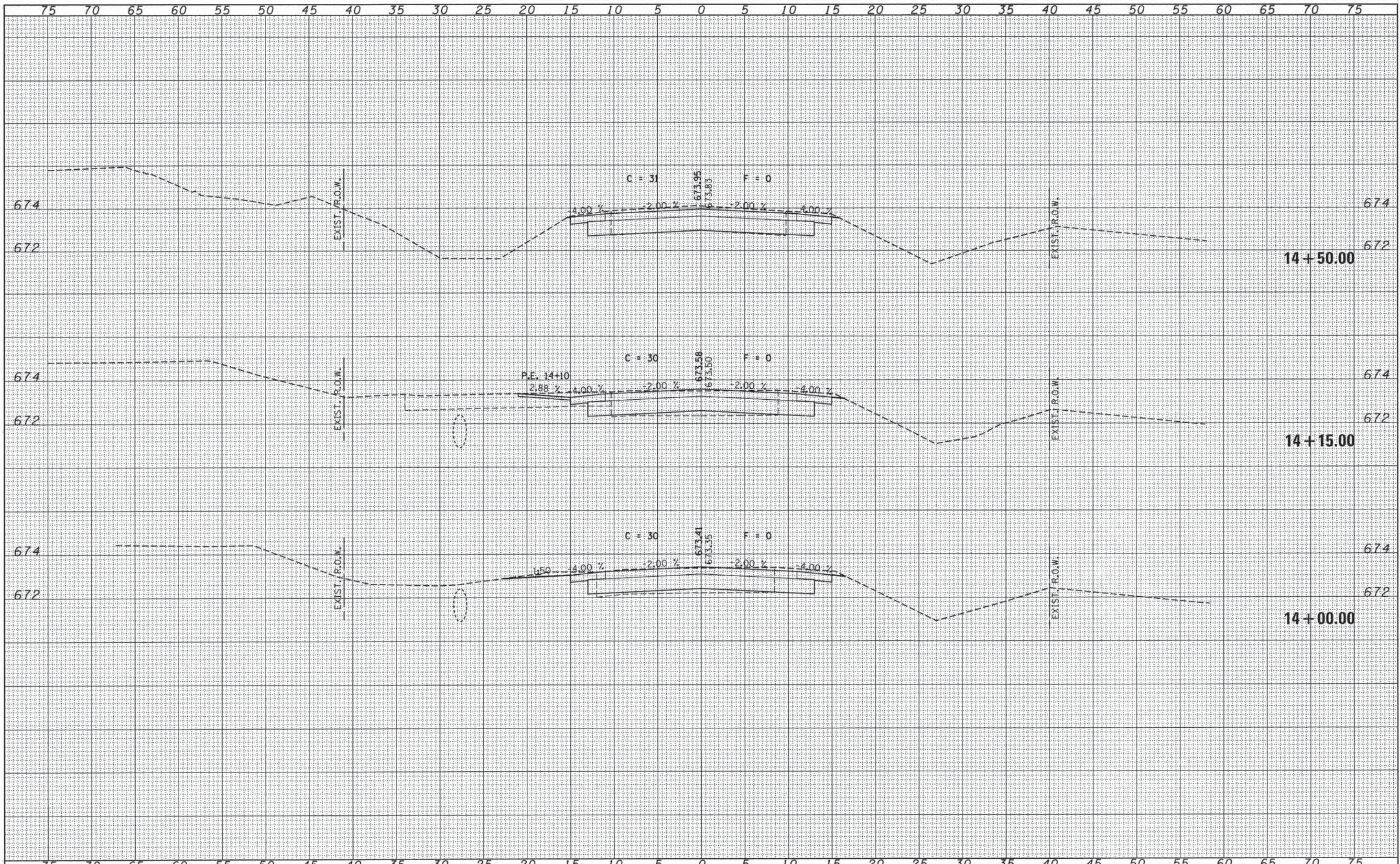


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HAMPTON, LENZINI AND RENWICK, INC. 3663 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62769	PLLOT SCALE =	DRAWN - T.W.K.	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA. 12+50.00	TO STA. 13+50.00	1663	05-00064-00-RS	MOULTRIE	57	36
ILLINOIS PROFESSIONAL DESIGN FIRM L8 / PE / SE CORP. 194-002951	PLLOT DATE = 10/23/2015	CHECKED - S.W.M.	REVISED -												
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CONTRACT NO. 95766  
ILLINOIS FED. AID PROJECT

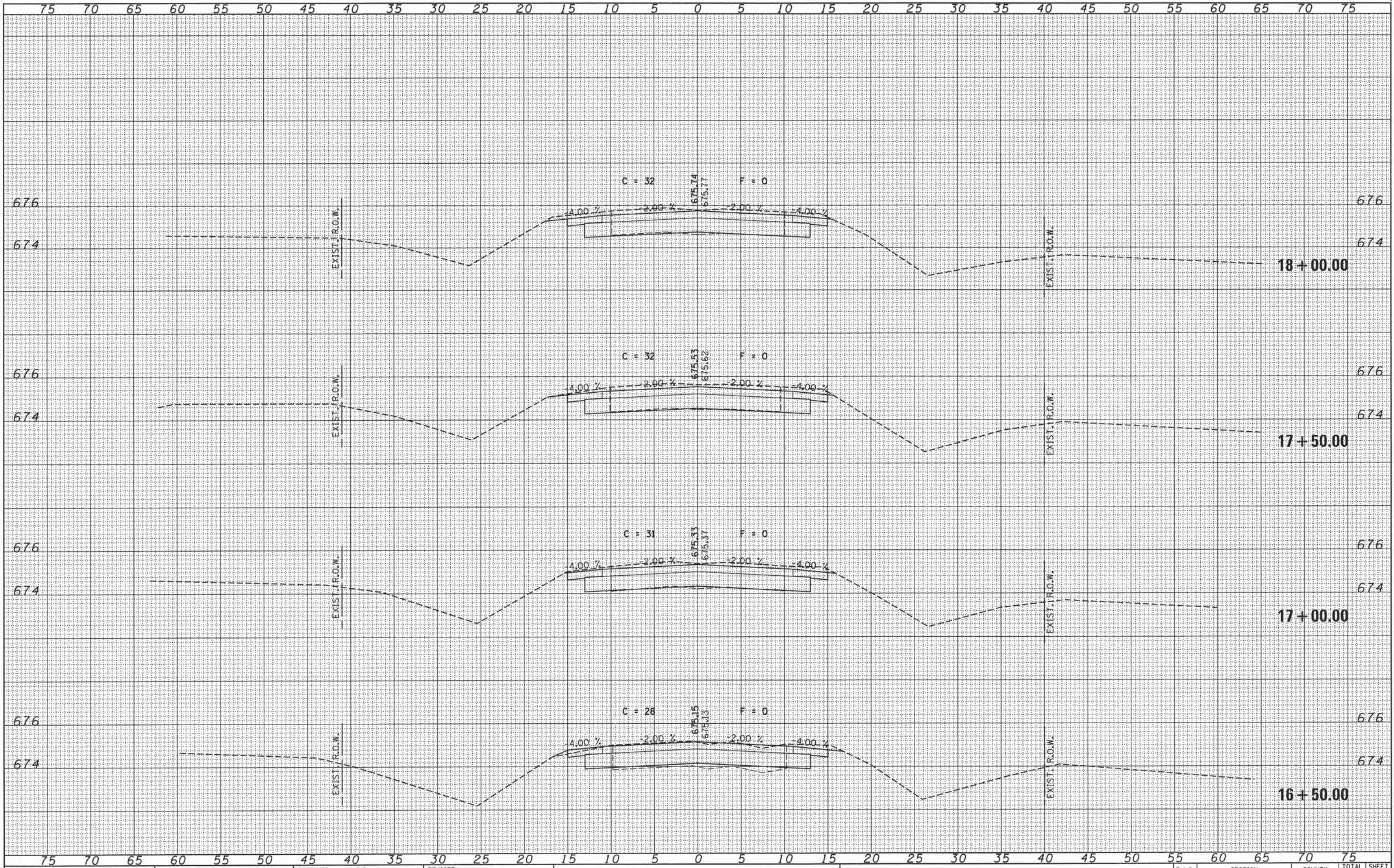
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DRAWN	
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DATE	



FILE NAME = 72003-ah-xxx.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -	<b>STATE OF ILLINOIS</b> <b>MOULTRIE COUNTY HIGHWAY DEPARTMENT</b>	<b>STATION CROSS SECTIONS</b> <b>WILBORN CREEK ROAD C.H. 5 &amp; 16, T.R. 161B</b>			F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - T.W.K.	REVISED -		1663	05-00064-00-RS	MOULTRIE	57	37			
100 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62793		CHECKED - S.W.M.	REVISED -		CONTRACT NO. 95766							
ILLINOIS PROFESSIONAL DESIGN FIRM L3 / PE / SE CORP. 184-00098		DATE - 01/21/15	REVISED -		ILLINOIS FED. AID PROJECT							
					SCALE:	SHEET NO.	OF SHEETS	STA. 14+00.00	TO STA. 14+50.00			



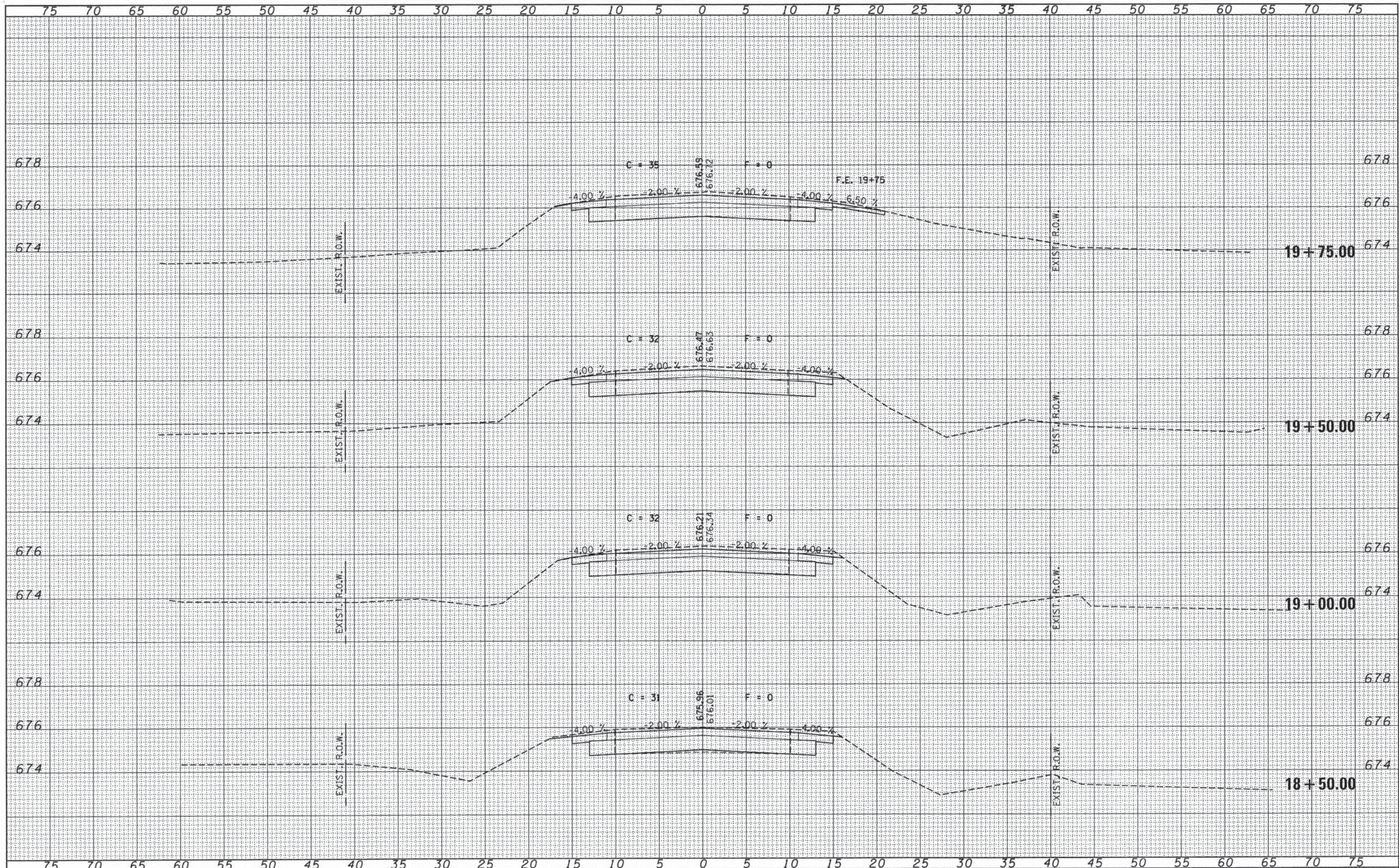


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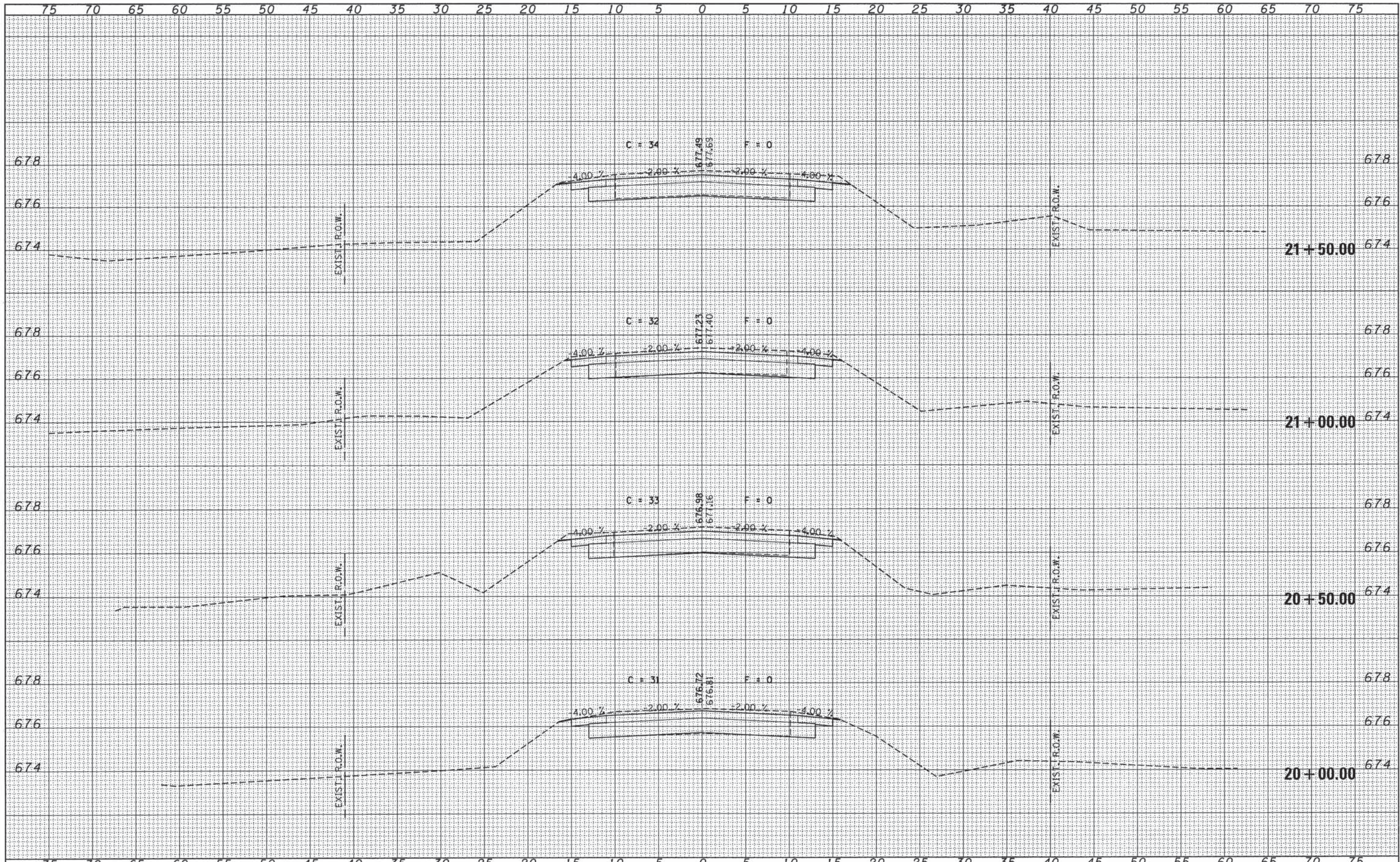


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<b>HAMPTON, LENZINI AND RENWICK, INC.</b> 200 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62761 ILLINOIS PROFESSIONAL DESIGN FIRM LB / PE / SE CORP. 18430999					DRAWN - T.W.K.	REVISED -	<b>WILBORN CREEK ROAD C.H. 5 &amp; 16, T.R. 161B</b>				1663	05-0064-00-RS	MOULTRIE	57	40
PLOT SCALE =					CHECKED - S.W.M.	REVISED -	SCALE: SHEET NO. OF SHEETS STA. 18+50.00 TO STA. 19+75.00				CONTRACT NO. 95766				
PLOT DATE = 4/6/2015					DATE - 01/21/15	REVISED -					ILLINOIS FED. AID PROJECT				

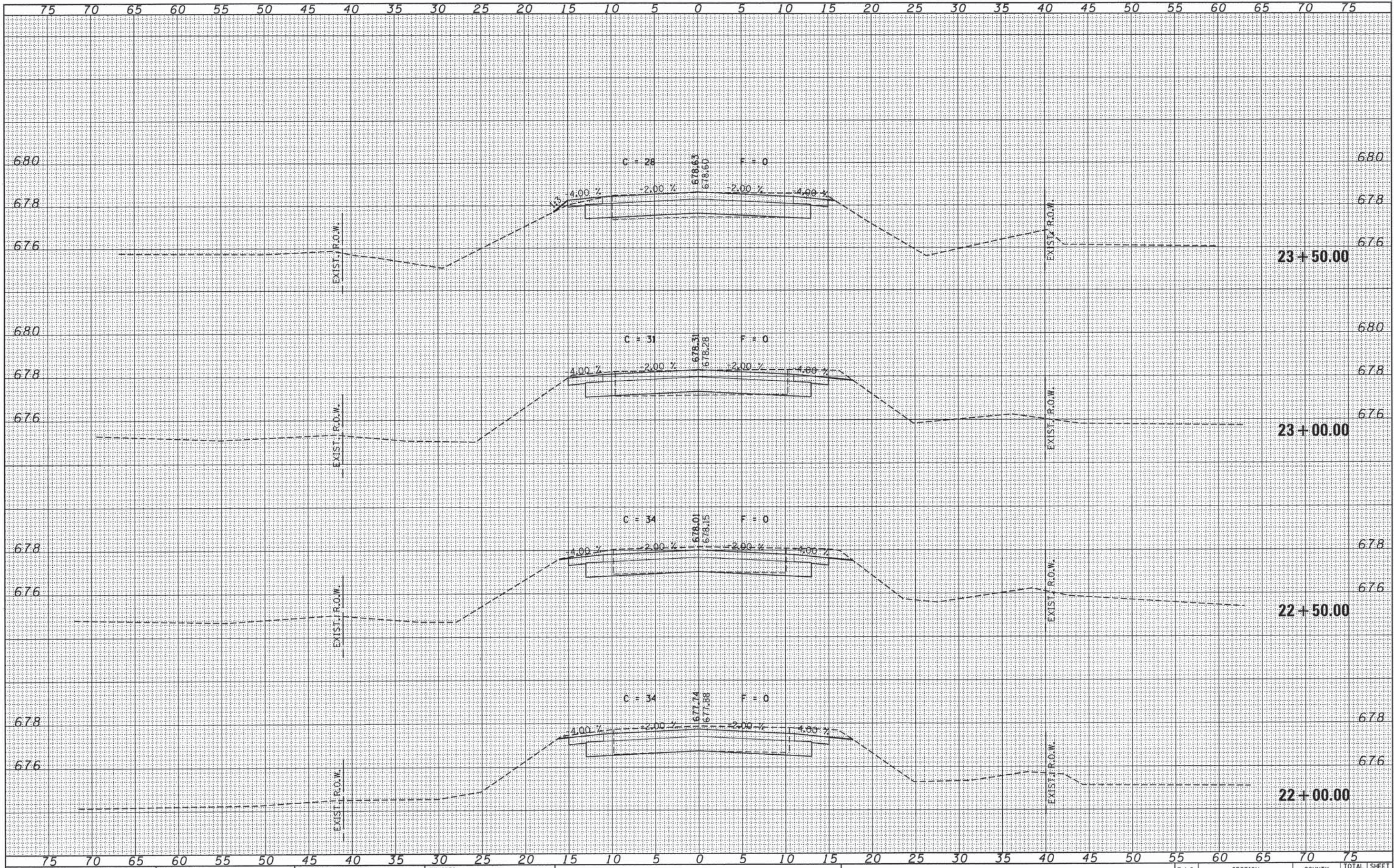


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FILE NAME = 72003-ah1-sxs.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -	<b>STATE OF ILLINOIS</b> <b>MOULTRIE COUNTY HIGHWAY DEPARTMENT</b>	<b>STATION CROSS SECTIONS</b> <b>WILBORN CREEK ROAD C.H. 5 &amp; 16, T.R. 161B</b>			F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - T.W.K.	REVISED -		1663	05-00064-00-RS	MOULTRIE	57	41			
1000 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		CHECKED - S.W.M.	REVISED -		SCALE: SHEET NO. OF SHEETS STA. 20+00.00 TO STA. 21+50.00			CONTRACT NO. 95766				
ILLINOIS PROFESSIONAL DESIGN FIRM L8 / PE / SE CORP. 184-00099	PLOT SCALE =	DATE - 01/21/15	REVISED -		ILLINOIS FED. AID PROJECT							

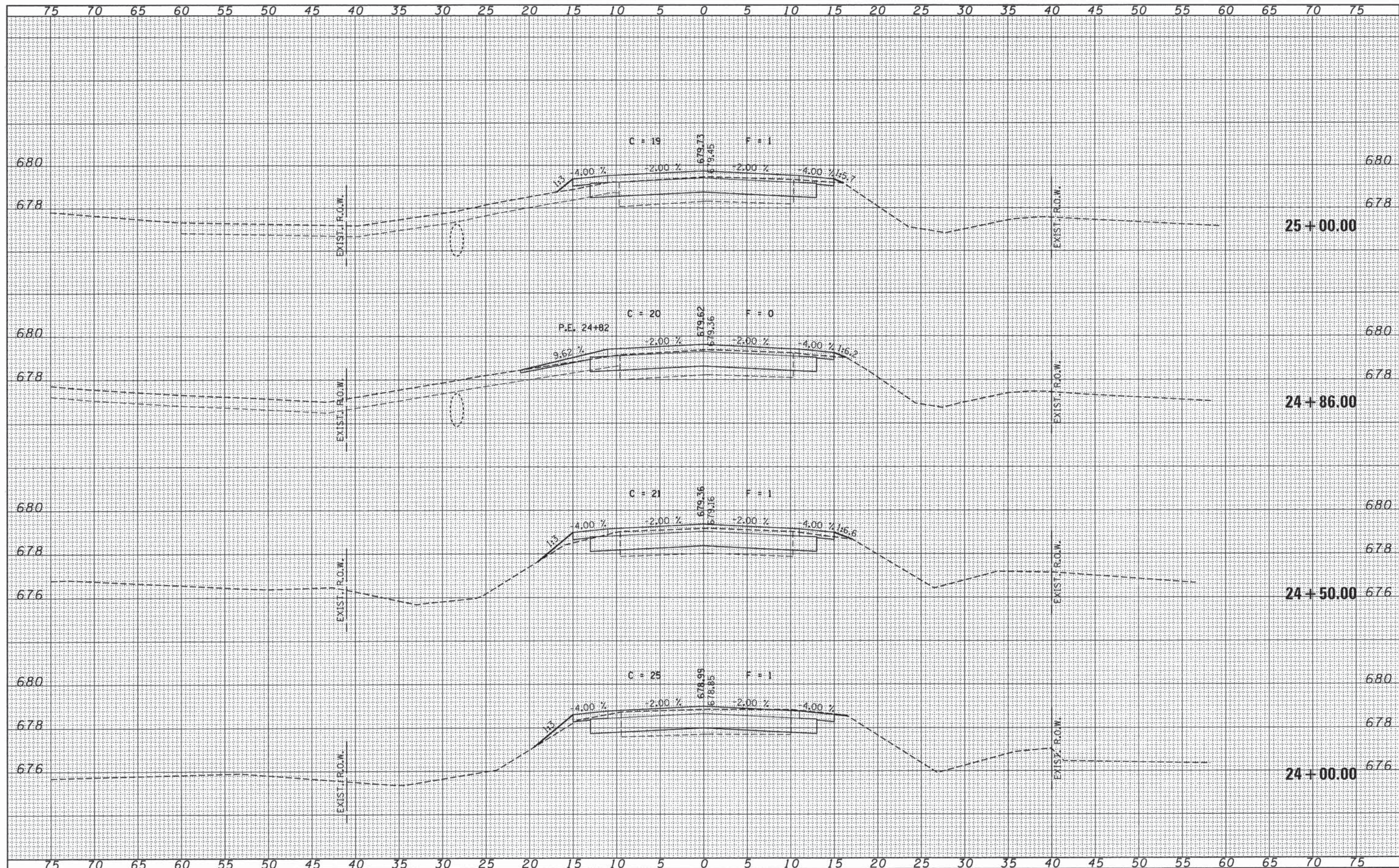


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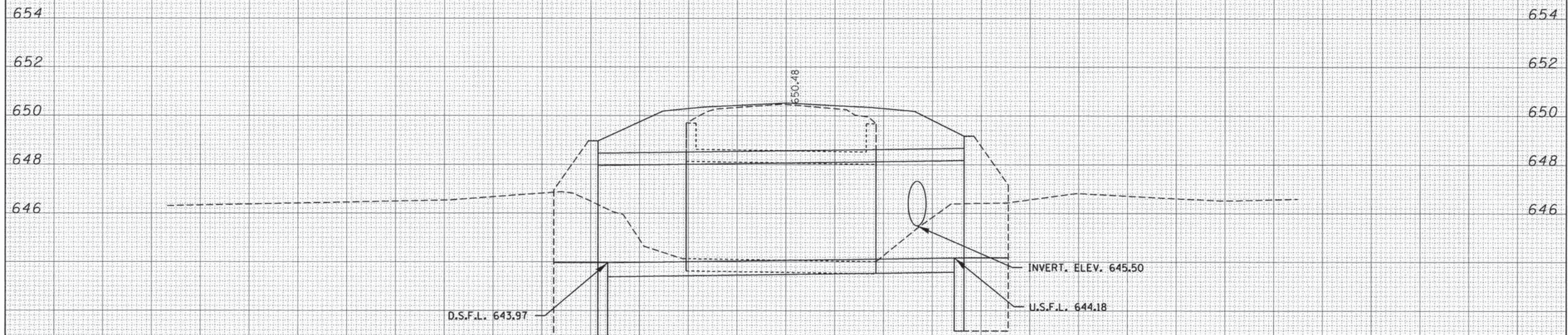


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<b>HAMPTON, LENZINI AND RENWICK, INC.</b>		DRAWN - T.W.K.	REVISED -		1663	05-00064-00-RS	MOULTRIE	57	43			
2008 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		CHECKED - S.W.M.	REVISED -		WILBORN CREEK ROAD C.H. 5 & 16, T.R. 161B			CONTRACT NO. 95766				
ILLINOIS PROFESSIONAL DESIGN FIRM L3 / PE / SE CORP. 184.000000	PLOT SCALE =	DATE - 01/21/15	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. 24+00.00 TO STA. 25+00.00	ILLINOIS FED. AID PROJECT				
	PLOT DATE = 4/6/2015											



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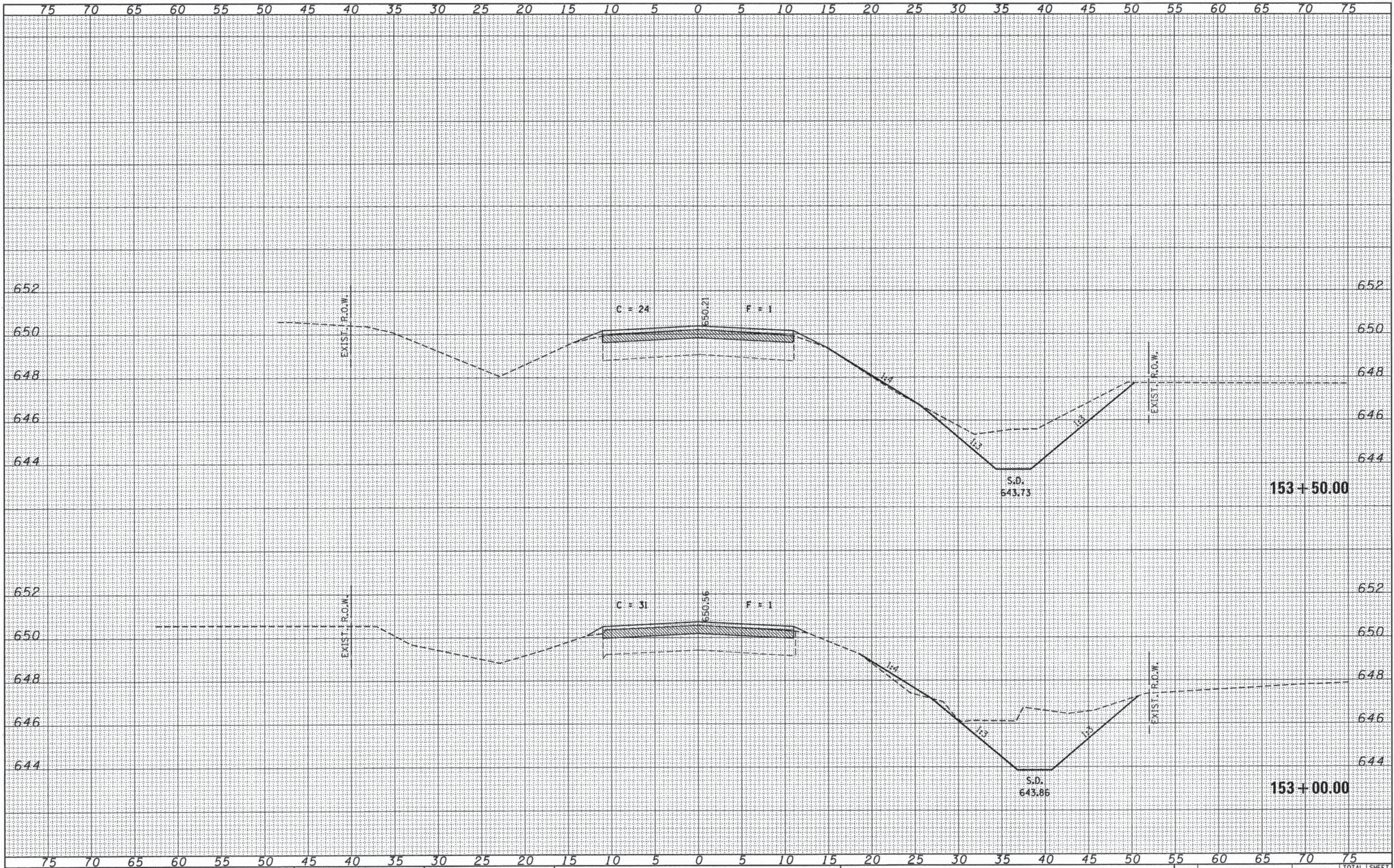
**CROSS SECTION OF CULVERT AT SIDE ROAD STA. 152+28**

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SURVEY BOOK NO.	PLOTTED		
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HAMPTON, LENZINI AND RENWICK, INC. 3885 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62781	PLOT SCALE =	DRAWN - T.W.K.	REVISED -		1663	05-00064-00-RS	MOULTRIE	57	45			
<b>HLR</b> ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000899	PLOT DATE = 10/23/2015	CHECKED - S.W.M.	REVISED -		SCALE: SHEET NO. OF SHEETS STA. 3+00.00 TO STA. 5+00.00			CONTRACT NO. 95766				
		DATE - 01/16/15	REVISED -		ILLINOIS FED. AID PROJECT							





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FILE NAME = 72003-sh1-xxx.dgn  
 HAMPTON, LENZINI AND RENWICK, INC.  
 308 STEVENSON DRIVE, SUITE 201  
 SPRINGFIELD, ILLINOIS 62708  
 ILLINOIS PROFESSIONAL DESIGN FIRM  
 LB / PE / SE CORP. 184.00089

USER NAME =  
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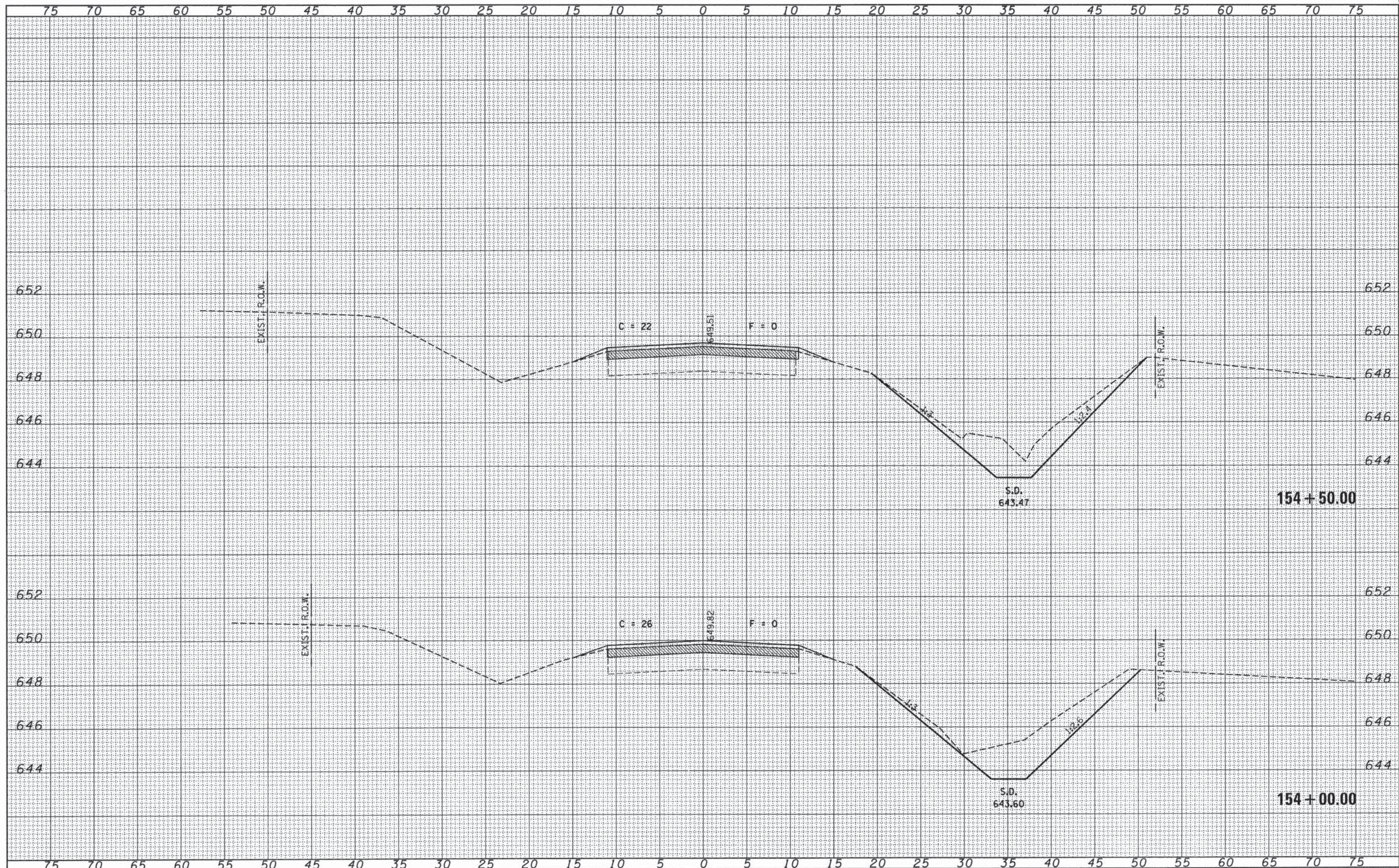
STATE OF ILLINOIS  
 MOULTRIE COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS  
 WILBORN ROAD C.H. 5 & 16, T.R. 161B  
 SCALE: SHEET NO. OF SHEETS STA. 153+00.00 TO STA. 153+50.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1663	05-00064-00-RS	MOULTRIE	57	47
				CONTRACT NO. 95766
ILLINOIS FED. AID PROJECT				

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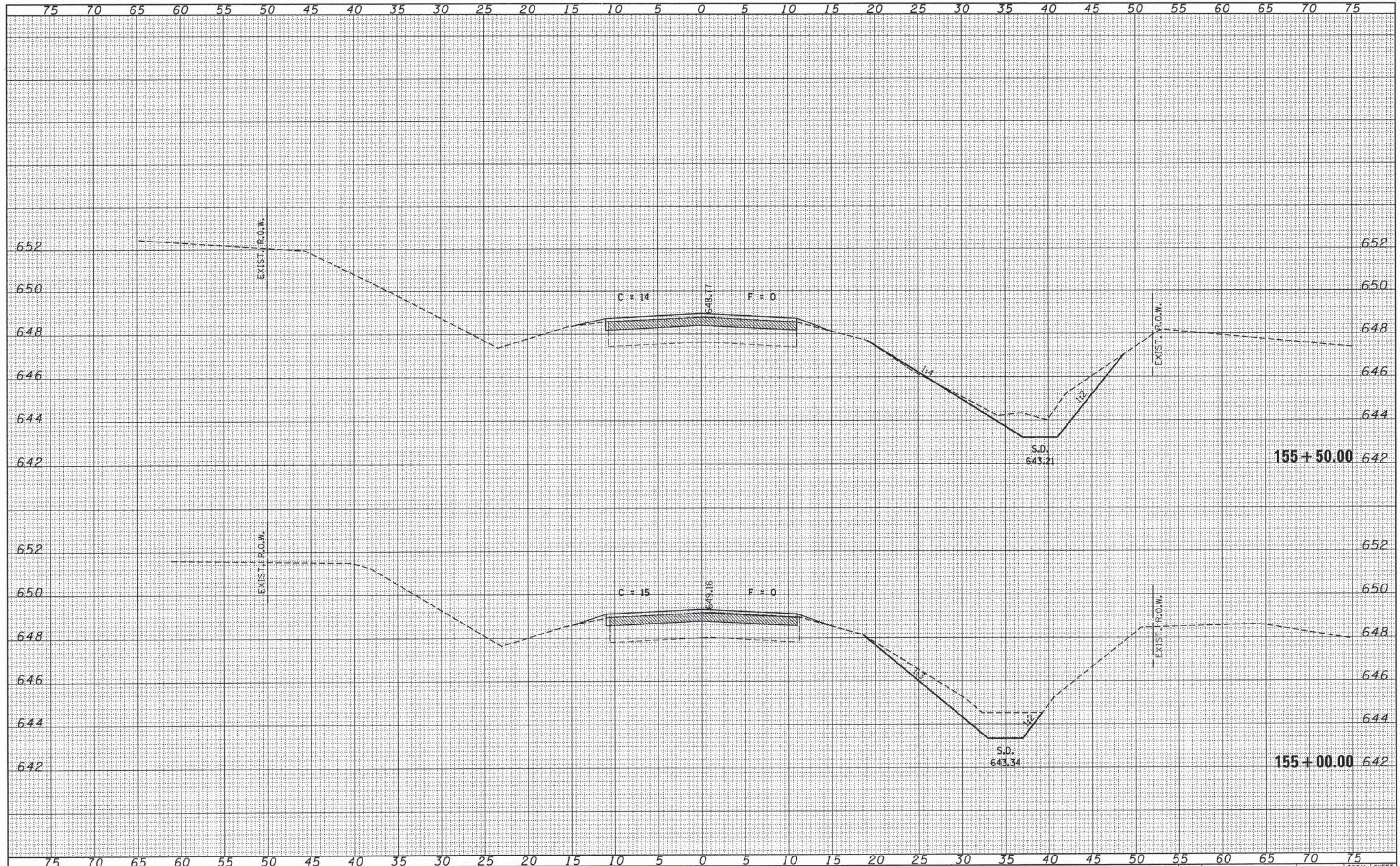


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HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - T.W.K.	REVISED -		1663	05-00064-00-RS	MOULTRIE	57	48			
3008 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE =	CHECKED - X.X.X.	REVISED -		SCALE: SHEET NO. OF SHEETS STA. 154+00.00 TO STA. 154+50.00			CONTRACT NO. 95766				
ILLINOIS PROFESSIONAL DESIGN FIRM L.S./P.E. / S.E. CORP. 184-000959	PLOT DATE = 4/6/2015	DATE - 01/12/14	REVISED -					ILLINOIS FED. AID PROJECT				



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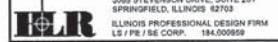
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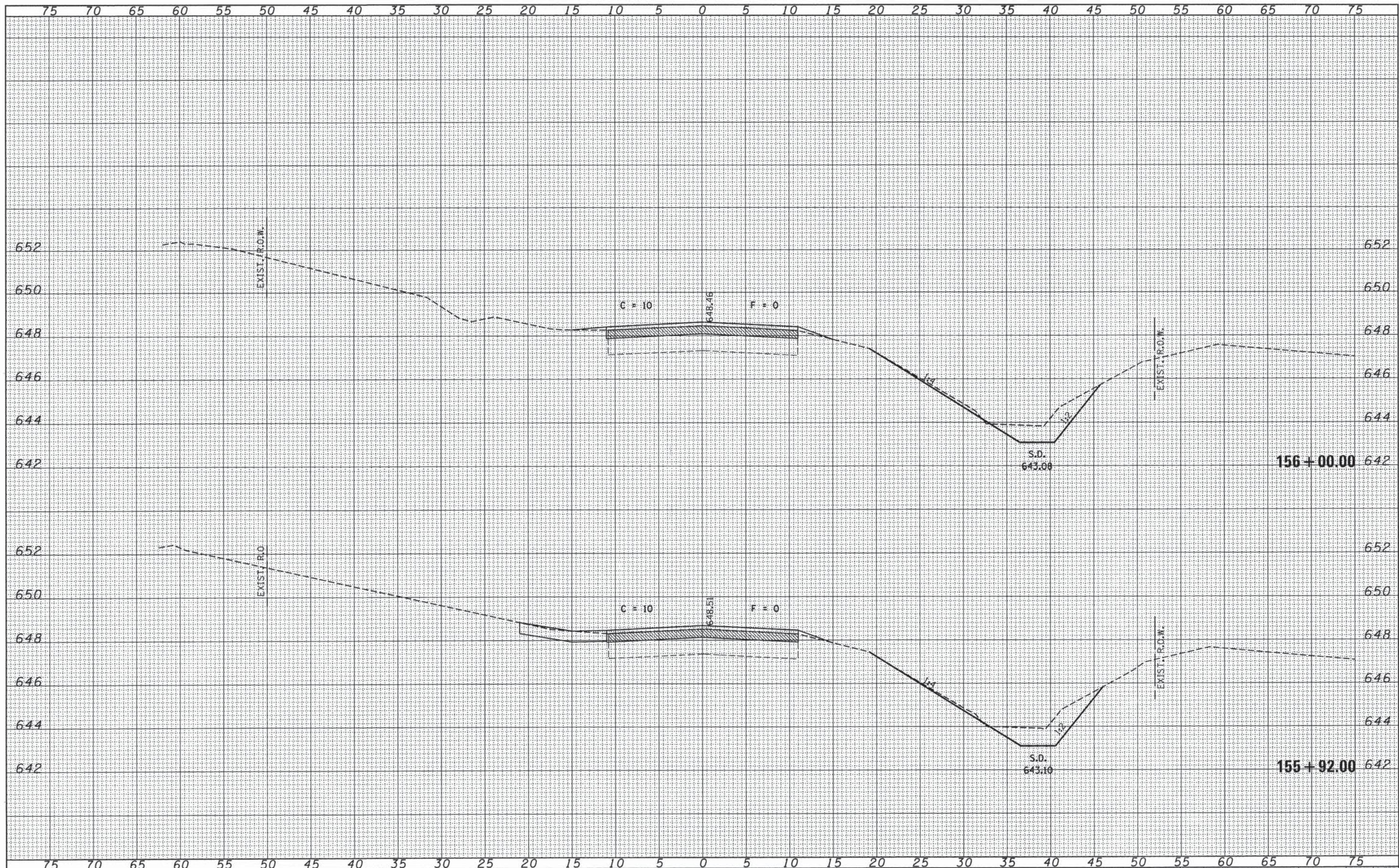
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STATE OF ILLINOIS  
 MOULTRIE COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS  
 WILBORN ROAD C.H. 5 & 16, T.R. 161B  
 SCALE: SHEET NO. OF SHEETS STA. 155+00.00 TO STA. 155+50.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1663	05-00064-00-RS	MOULTRIE	57	49
CONTRACT NO. 95766			ILLINOIS FED. AID PROJECT	





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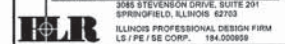
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STATE OF ILLINOIS  
 MOULTRIE COUNTY HIGHWAY DEPARTMENT

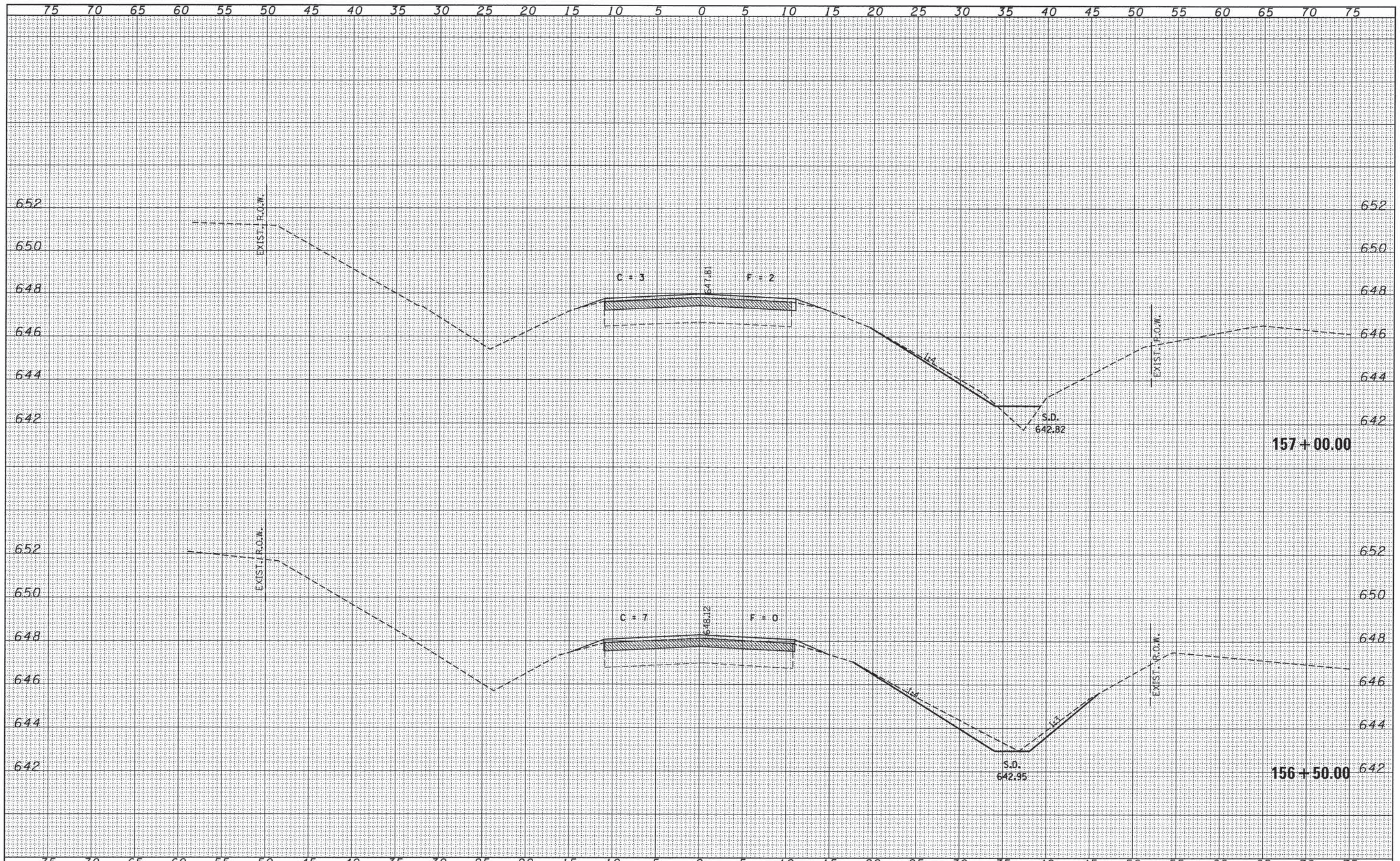
STATION CROSS SECTIONS  
 WILBORN ROAD C.H. 5 & 16, T.R. 161B  
 SCALE: SHEET NO. OF SHEETS STA. 155+92.00 TO STA. 156+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1663	05-00064-00-RS	MOULTRIE	57	50
CONTRACT NO. 95766			ILLINOIS FED. AID PROJECT	



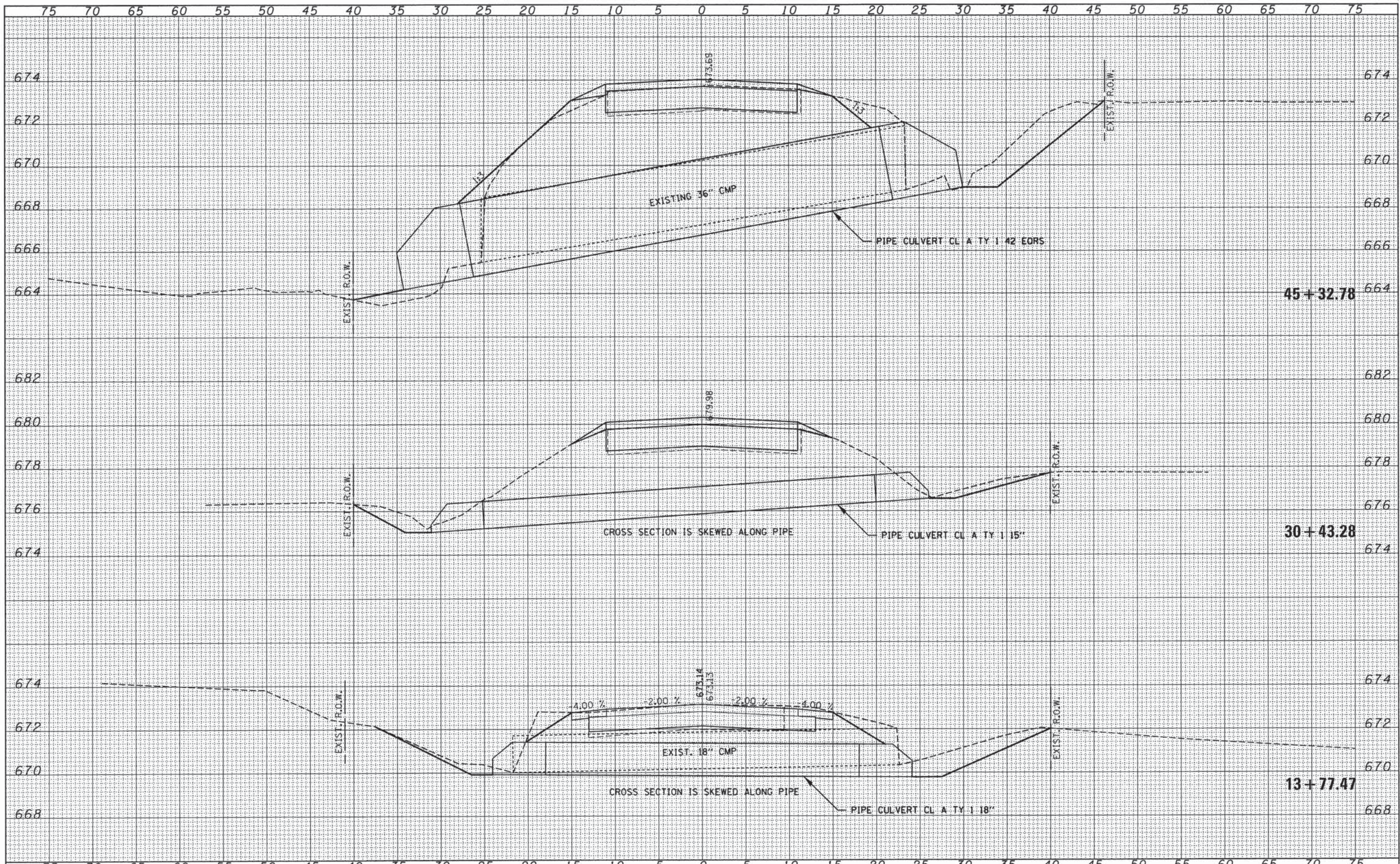
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HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - T.W.K.	REVISED -		1663	05-00064-00-RS	MOULTRIE	57	51				
300 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62763		CHECKED - X.X.X.	REVISED -		CONTRACT NO. 95766								
ILLINOIS PROFESSIONAL DESIGN FIRM L8 / P.E. / S.E. CORP. 184.000000		DATE - 01/12/14	REVISED -		ILLINOIS FED. AID PROJECT								
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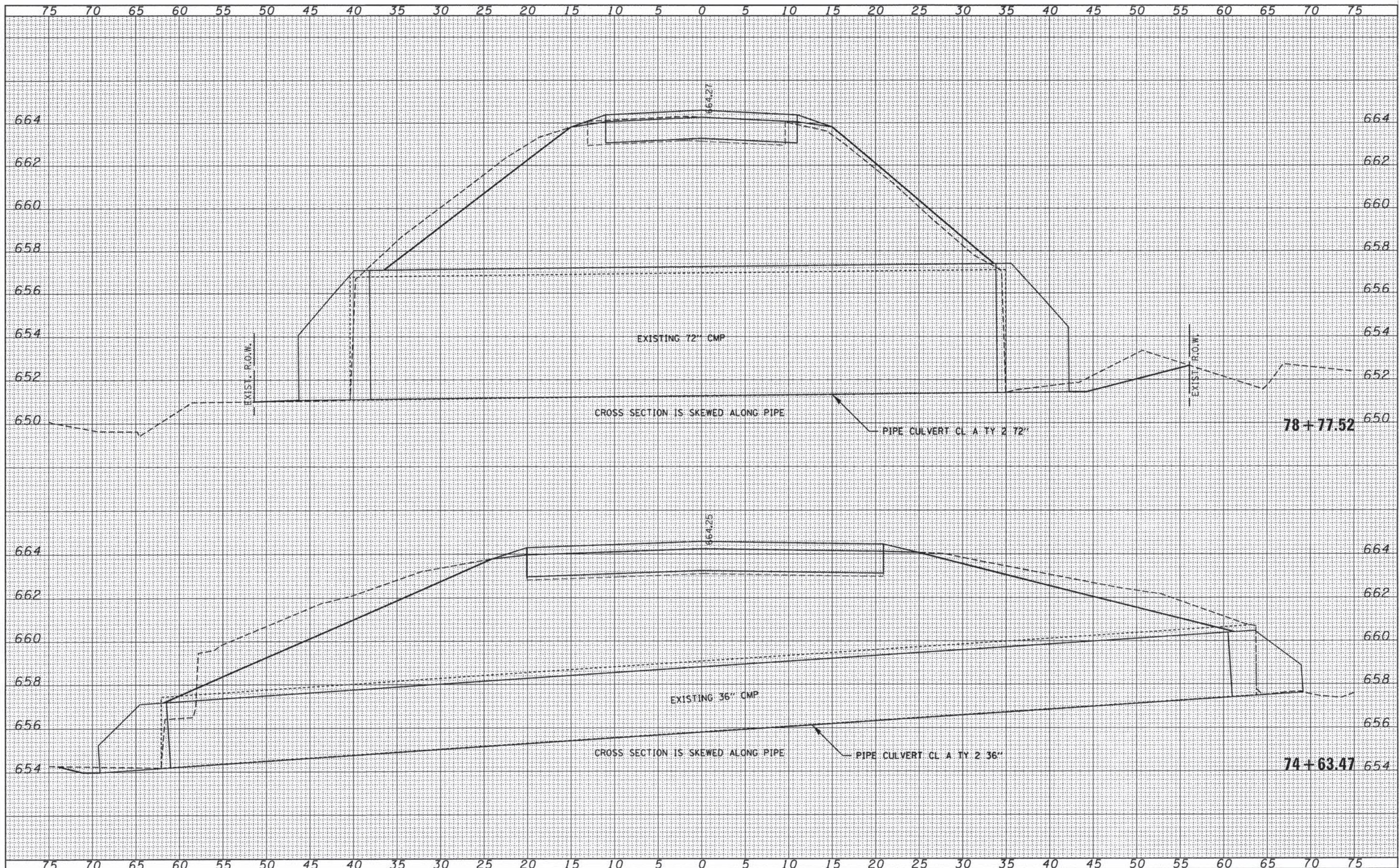
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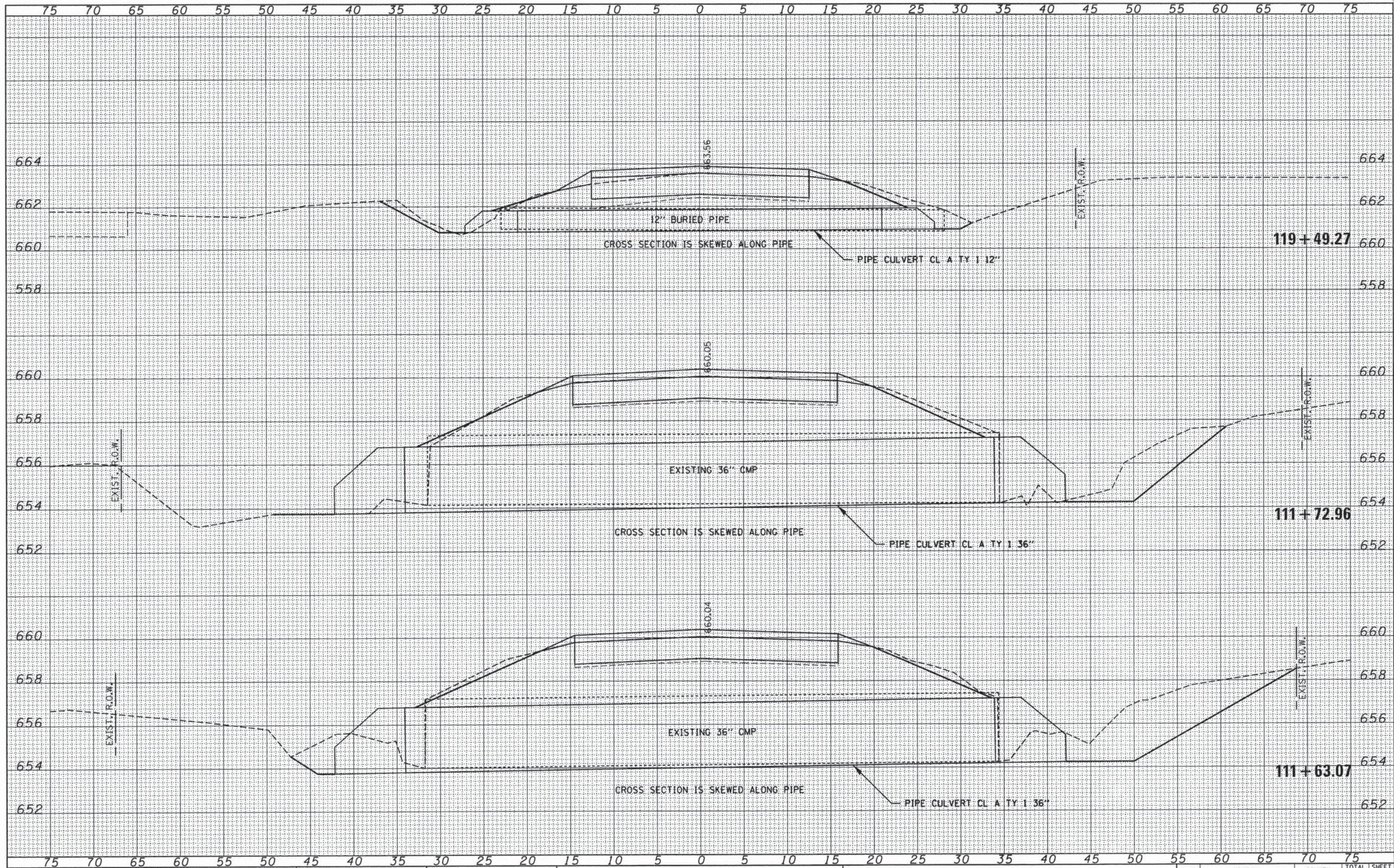
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HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - T.W.K.	REVISED -		1663	05-00064-00-RS	MOULTRIE	57	53
3085 STEVENSON DRIVE, SUITE 201		CHECKED - X.X.X.	REVISED -		SCALE: SHEET NO. OF SHEETS STA. 13+77.47 TO STA. 45+32.78		CONTRACT NO. 95766		
SPRINGFIELD, ILLINOIS 62708		DATE - 2/3/15	REVISED -		ILLINOIS FED. AID PROJECT				
ILLINOIS PROFESSIONAL DESIGN FIRM									
LS / PE / SE CORP. 184-000009									

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HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - T.W.K.	REVISED -		1663	05-00064-00-RS	MOULTRIE	57	54			
1000 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		CHECKED - X.X.X.	REVISED -		CONTRACT NO. 95766							
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 HAMPTON, LENZINI AND RENWICK, INC.  
 2008 STEVENSON DRIVE, SUITE 201  
 SPRINGFIELD, ILLINOIS 62760  
 ILLINOIS PROFESSIONAL DESIGN FIRM  
 LB 1761 SE CORP. 184.000000

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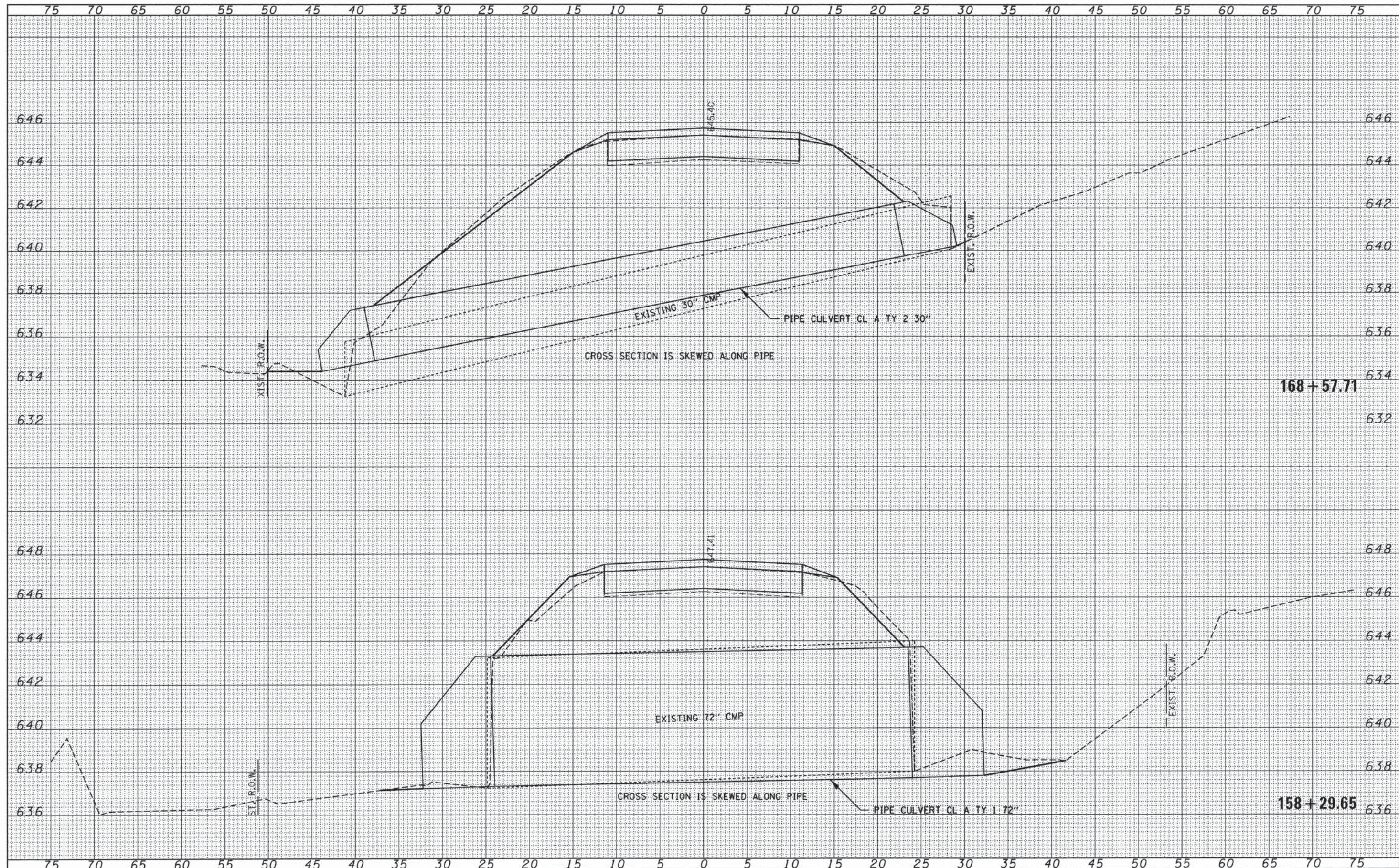
STATE OF ILLINOIS  
 MOULTRIE COUNTY HIGHWAY DEPARTMENT

CROSS ROAD PIPE SECTIONS  
 WILBORN CREEK ROAD C.H. 5 & 16, T.R. 161B  
 SCALE: SHEET NO. OF SHEETS STA. 111+63.07 TO STA. 119+49.27

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1663	05-00064-00-RS	MOULTRIE	57	55
CONTRACT NO. 95766			ILLINOIS FED. AID PROJECT	

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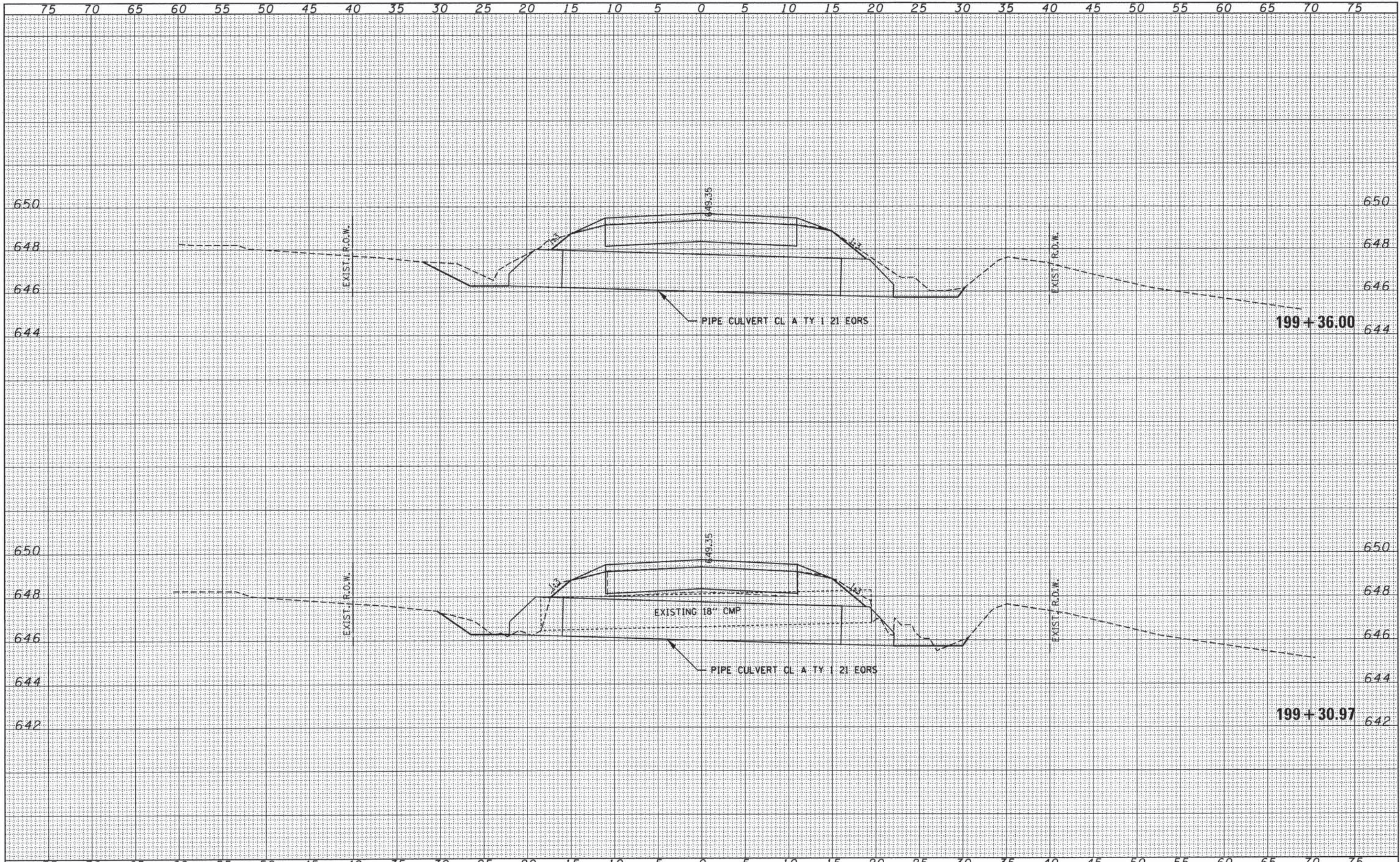


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HAMPTON, LENZINI AND RENWICK, INC. 2008 STEVENSON DRIVE, SUITE 301 SPRINGFIELD, ILLINOIS 62703	PLLOT SCALE =	DRAWN - T.W.K.	REVISED -		1663	05-00064-00-RS	MOULTRIE	57	56			
ILLINOIS PROFESSIONAL DESIGN FIRM L3 / PE / SE CORP. 184.000959	PLLOT DATE = 4/6/2015	CHECKED - X.X.X.	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. 158+29.65 TO STA. 168+57.71	CONTRACT NO. 95766				
		DATE - 2/3/15	REVISED -		ILLINOIS FED. AID PROJECT							



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HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - T.W.K.	REVISED -		1663	05-00064-00-RS	MOULTRIE	57	57			
2008 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62708	PLOT SCALE =	CHECKED - X.X.X.	REVISED -		CONTRACT NO. 95766			ILLINOIS FED. AID PROJECT				
ILLINOIS PROFESSIONAL DESIGN FIRM L8 / PE / SE CORP. 184-000009	PLOT DATE = 4/6/2015	DATE - 2/3/15	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA. 199+30.97 TO STA. 199+36.00				