

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PLANS FOR PROPOSED
SURFACE TRANSPORTATION PROGRAM – BRIDGE**

FAYETTE / SHELBY COUNTY
F.A.S. 651 / C.H. 14
SECTION 13-00125-00-BR / 14-00280-00-BR
PROJECT BRS-0651(108)
JOB # C-97-046-15

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14	*	FAYETTE / SHELBY	58	1
FED. ROAD DIST. NO.		ILLINOIS CONTRACT NO.		
*13-00125-00-BR		/ 14-00280-00-BR		

INDEX OF SHEETS

SHEET NO. DESCRIPTION

1. COVER SHEET
2. GENERAL NOTES, STANDARDS, AND MIXTURE REQUIREMENTS
3. SUMMARY OF QUANTITIES
4. TYPICAL CROSS SECTIONS
5. ALIGNMENT, TIES, & BENCHMARKS
6. SCHEDULE OF QUANTITIES
- 7.-9. PLAN & PROFILE
10. EROSION CONTROL SHEET
11. ENTRANCE DETAIL SHEET
12. GUARDRAIL DETAIL SHEET
13. GUARDRAIL LAYOUT SHEET
- 14.-43. STATION CROSS SECTIONS
- 44.-56. BRIDGE PLANS
- 57.-58. BORINGS

HIGHWAY STANDARDS SEE SHEET #2

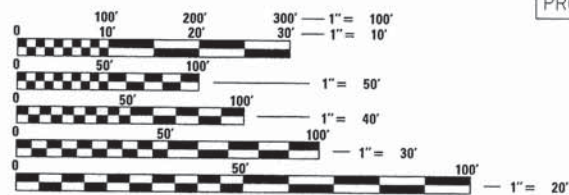
UTILITIES

FAYETTE COUNTY WATER COMPANY
RR 1 BOX 71A
BROWNSTOWN, IL 62418
DENNY BUCHANAN 618-347-2430

VILLAGE OF HERRICK
5 BROADWAY
HERRICK, IL 62431
DEVIN CARLISLE 618-704-4087

ILLINOIS CONSOLIDATED TELEPHONE
121 S 17TH. STREET
MATTOON, IL 61938
WES CHAMBERS 217-235-3355

FRONTIER COMMUNICATIONS
105 MULBERRY
NORMAL, IL 61761
MARK BURKS 217-854-2222

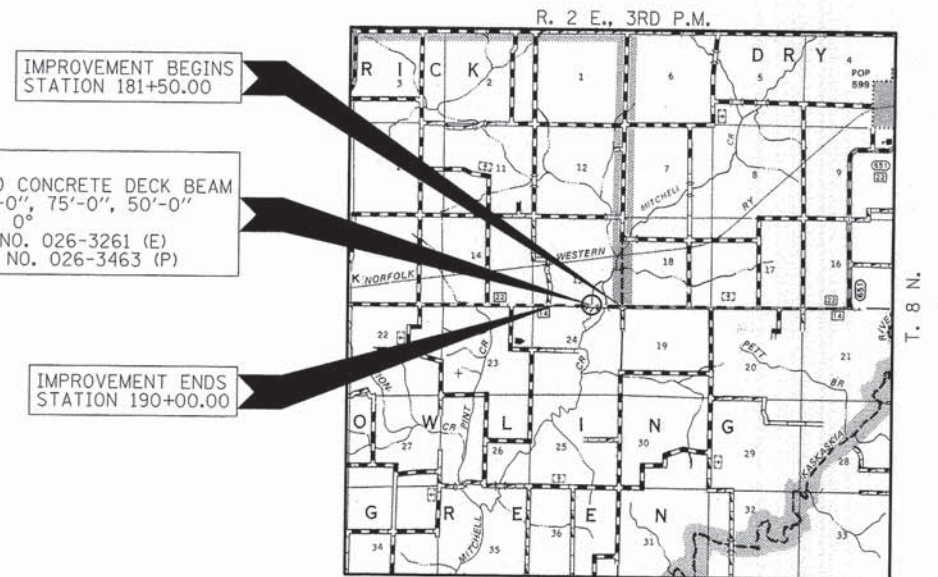


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.



LOCATION OF SECTION INDICATED THUS: - ■ -

FUNCTIONAL CLASSIFICATION: MAJOR COLLECTOR (NON URBAN)
DESIGN SPEED: 50 MPH
DESIGN TRAFFIC: 1050 ADT (2014)



LOCATION MAP

APPROXIMATE SCALE: 0 1 MILE
NET LENGTH OF SECTION = 850 FEET = 0.161 MILES
GROSS LENGTH OF SECTION = 850 FEET = 0.161 MILES

WARNING
CALL 811 BEFORE YOU DIG
DIG NO: A1042092, A1042125

ILLINOIS DEPARTMENT OF TRANSPORTATION	
APPROVED	4-20 2015 <i>Wendell A. ...</i> FAYETTE COUNTY ENGINEER
APPROVED	4-20 2015 <i>Alan Spisard</i> SHELBY COUNTY ENGINEER
PASSED	4-21 2015 <i>Margaret ...</i> DISTRICT SEVEN ENGINEER OF LOCAL ROADS & STREETS
Releasing For Bid Based on Limited Review	4-21 2015 <i>Roger L. ...</i> DEPUTY DIRECTOR OF HIGHWAYS REGION FOUR ENGINEER STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DATE: 04/17/2015

HAMPTON, LENZINI AND RENWICK, INC.
 CIVIL ENGINEERS - STRUCTURAL ENGINEERS - LAND SURVEYORS
 3085 STEVENSON DRIVE, SUITE 201
 SPRINGFIELD, ILLINOIS 62703
 217.546.3400 www.hlrengineering.com
 184.000959
 ILLINOIS PROFESSIONAL DESIGN FIRM L S / P E / S E CORPORATION
 EXPIRES: 11/30/2015
 PROJECT NUMBER: 13 0267 130

GENERAL NOTES

1. 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.
2. ALL CLEARING, GRUBBING, AND REMOVAL OF EXISTING DRAINAGE STRUCTURES SHALL BE INCLUDED IN EARTH EXCAVATION. ALL MATERIAL SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR IN A METHOD APPROVED BY THE ENGINEER. PROPER DISPOSAL OF BITUMINOUS MATERIAL SHALL BE INCLUDED IN EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
3. THE ELEVATIONS SHOWN ON THE PLANS ARE NAVD88 DATUM (2007 ADJUSTMENT)
4. THE LOCATION OF EXISTING GAS MAINS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATIONS AND THE BEST INFORMATION AVAILABLE, BUT THE LOCATIONS ARE NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE INDIVIDUAL UTILITY COMPANIES AND BY FIELD INSPECTION.
5. 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 MARKS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
6. THE AREA TO BE SEEDED SHALL CONSIST OF ALL DISTURBED EARTH SURFACES WITHIN THE RIGHT OF WAY OR AS DIRECTED BY THE ENGINEER.
SEEDING, CLASS 2 (SPECIAL) = 0.5 ACRES
7. THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

AGGREGATE BASE COURSE, TYPE B	2.05 TON/CU.YD.
HMA SURFACE & BINDER COURSE	112 LBS/SQ.YD./INCH THICKNESS
AGGREGATE SHOULDER WEDGE, TYPE B	2.05 TON/CU.YD.
STONE RIPRAP, CLASS A4 (SPECIAL)	1.75 TON/CU.YD.
BITUMINOUS MATERIALS	
ON PAVEMENT	0.05 LB./SQ.FT.
INTERMEDIATE LIFTS(FOG COAT)	0.025 LB./SQ.FT.
ON AGGREGATE SURFACE	0.25 LB./SQ.FT.

HIGHWAY STANDARDS

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
- 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
- 442201-03 CLASS C AND D PATCHES
- 515001-03 NAME PLATE FOR BRIDGES
- 630001-10 STEEL PLATE BEAM GUARDRAIL
- 630101-09 GUARDRAIL MOUNTED ON EXISTING CULVERTS
- 630301-06 SHOULDER WIDENING FOR TYPE 1, (SPECIAL) GUARDRAIL TERMINALS
- 631032-08 TRAFFIC BARRIER TERMINAL, TYPE 6A
- 635006-03 REFLECTOR AND TERMINAL MARKER PLACEMENT
- 635011-02 REFLECTOR MARKER AND MOUNTING DETAILS
- 701011-04 OFF-ROAD MOVING OPERATIONS 2L, 2W, DAY ONLY
- 701201-04 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
- 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS, DAY ONLY
- 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

MIXTURE REQUIREMENTS	
LOCATION(S):	F.A.S. 651 / C.H.14
MIXTURE USE(S):	HOT-MIX ASPHALT SURFACE COURSE
AC/PG:	PG 64-22
DESIGN AIR VOIDS:	4% @ Ndes 50
MIXTURE COMPOSITION:	IL 9.5
(GRADATION MIXTURE):	
FRICTION AGGREGATE:	MIXTURE C
MIXTURE WEIGHTS:	112 LBS. / SQ. YD. / INCH
QUALITY CONTROL PROGRAM	QC/QA

MIXTURE REQUIREMENTS	
LOCATION(S):	F.A.S. 651 / C.H.14
MIXTURE USE(S):	HOT-MIX ASPHALT BINDER COURSE
AC/PG:	PG 64-22
DESIGN AIR VOIDS:	4% @ Ndes 50
MIXTURE COMPOSITION:	IL 19.0
(GRADATION MIXTURE):	
FRICTION AGGREGATE:	NONE
MIXTURE WEIGHTS:	112 LBS. / SQ. YD. / INCH
QUALITY CONTROL PROGRAM	QC/QA

FILE NAME = 130257-sht-notes-seoBR.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -	STATE OF ILLINOIS FAYETTE / SHELBY COUNTY HIGHWAY DEPARTMENT	GENERAL NOTES, STANDARDS AND MIXTURE REQUIREMENTS F.A.S. 651 / C.H. 14	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. <small>2045 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62793 ILLINOIS PROFESSIONAL ENGINEER FIRM LS / PE / SE CORP. 184-000989</small>	PLOT SCALE =	CHECKED - J.W.F.	REVISED -			651	13-00125-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	2
	PLOT DATE = 4/17/2015	DATE - 04/17/15	REVISED -			CONTRACT NO. 95769		<small>[ILLINOIS] FED. AID PROJECT BRS-06511081</small>		
						SCALE:	SHEET NO. 1 OF 1 SHEETS		STA. TO STA.	

SUMMARY OF QUANTITIES				
ITEM #	CODE #	ITEM	UNIT	CONSTRUCTION TYPE CODE 0011 QUANTITY
1	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	60
2	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	48
3	20200100	EARTH EXCAVATION	CU YD	7
4	20300100	CHANNEL EXCAVATION	CU YD	670
5	20400800	FURNISHED EXCAVATION	CU YD	69
6	25100630	EROSION CONTROL BLANKET	SQ YD	1,500
7	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	124
8	28000400	PERIMETER EROSION BARRIER	FOOT	996
9	28100807	STONE DUMPED RIPRAP, CLASS A4	TON	1,255
10	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	1180
11	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	48
12	40600990	TEMPORARY RAMP	SQ YD	48
13	40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	151
14	40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	222
15	40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	6
16	44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	1537
17	44201777	CLASS D PATCHES, TYPE II, 11 INCH	SQ YD	13
18	44201781	CLASS D PATCHES, TYPE III, 11 INCH	SQ YD	17
19	44300100	AREA REFLECTIVE CRACK CONTROL TREATMENT	SQ YD	30
20	44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	648
21	48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	29
22	50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
23	50200100	STRUCTURE EXCAVATION	CU YD	69
24	50200300	COFFERDAM EXCAVATION	CU YD	340
25	50201121	COFFERDAM (TYPE 2) (LOCATION - 1)	EACH	1
26	50201122	COFFERDAM (TYPE 2) (LOCATION - 2)	EACH	1
27	50300225	CONCRETE STRUCTURES	CU YD	139.4
28	50300265	SEAL COAT CONCRETE	CU YD	88.6
29	50400605	PRECAST PRESTRESSED CONCRETE DECK BEAMS (33" DEPTH)	SQ FT	6,000
30	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	12060

^ SEE SPECIAL PROVISIONS

SUMMARY OF QUANTITIES				
ITEM #	CODE #	ITEM	UNIT	CONSTRUCTION TYPE CODE 0011 QUANTITY
* 31	50901050	STEEL RAILING, TYPE SM	FOOT	401
32	51201900	FURNISHING STEEL PILES HP14X89	FOOT	2,400
33	51202305	DRIVING PILES	FOOT	2400
34	51203900	TEST PILE STEEL HP14X89	EACH	2
35	51500100	NAME PLATES	EACH	1
36	58100200	WATERPROOFING MEMBRANE SYSTEM	SQ YD	672
37	58300100	PORTLAND CEMENT MORTAR FAIRING COURSE	FOOT	450
38	58700300	CONCRETE SEALER	SQ FT	320
39	59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	54
* 40	63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	437.5
* 41	63000025	STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES	FOOT	100
* 42	63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4
* 43	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4
* 44	63200310	GUARDRAIL REMOVAL	FOOT	735
45	67100100	MOBILIZATION	L SUM	1
46	70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1
47	70101830	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1
48	70300100	SHORT TERM PAVEMENT MARKING	FOOT	134
* 49	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	2029
* 50	78200410	GUARDRAIL MARKERS, TYPE A	EACH	18
* 51	78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
52	X2070304	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	69
53	X2501020	SEEDING, CLASS 2A(SPECIAL)	ACRE	0.5
* 54	X6330725	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	FOOT	37.5
55	Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	125

^ SEE SPECIAL PROVISIONS

* SPECIALTY ITEMS

BENCHMARKS

BM 18 NE BOLT ON FIRE HYDRANT AT SW CORNER OF CH14 AND CH26(1450E RD)
32.95' RT. STA. 16+51.50 ELEVATION 601.87

BM 17 NE BOLT ON FIRE HYDRANT AT NW CORNER OF CH 14 AND BURRIS AVE
35.83' LT. STA. 29+59.61 ELEVATION 594.69

BM 16 RR SPIKE IN POWER POLE WEST OF SN 026-3344(E) NORTH SIDE OF CH14
46.37' LT. STA.38+82.62 ELEVATION 547.76

BM 15 CROSS NOTCH SQUARE ON NW WINGWALL OF SN 026-3344(E)
14.95' LT. STA.39+96.85 ELEVATION 553.91

BM 14 MAG NAIL ON CENTERLINE OF CH 14 AT STA 49+97.17
ELEVATION 580.09

BM 13 MAG NAIL ON CENTERLINE OF CH 14 AT STA 59+97.17
ELEVATION 585.44

BM 12 MAG NAIL ON CENTERLINE OF CH 14 AT STA 69+97.21
ELEVATION 591.64

BM 11 MAG NAIL ON CENTERLINE OF CH 14 AT STA 79+97.23
ELEVATION 598.53

BM 10 MAG NAIL ON CENTERLINE OF CH 14 AT STA 89+97.23
ELEVATION 591.56

BM 9 MAG NAIL ON CENTERLINE OF CH 14 AT STA 99+97.18
ELEVATION 581.93

BM 8 CROSS NOTCH SQUARE ON HEADWALL OF 10' X 6' BOX CULVERT ON NORTH SIDE OF CH14 WEST OF SHELBY COUNTY TWP RD 1050E
23.59' LT. STA.115+18.05 ELEVATION 556.85

BM 7 IRON ROD AT N 1/4 X SECTION 23-8-2 NEAR CENTERLINE OF CH14 AT STA 122+49.90
ELEVATION 568.36

BM 6 CROSS NOTCH SQUARE ON TOP OF HEADWALL AT SE CORNER OF TWP 1675E RD AND CH14
25.73' RT. STA.135+87.76 ELEVATION 560.32

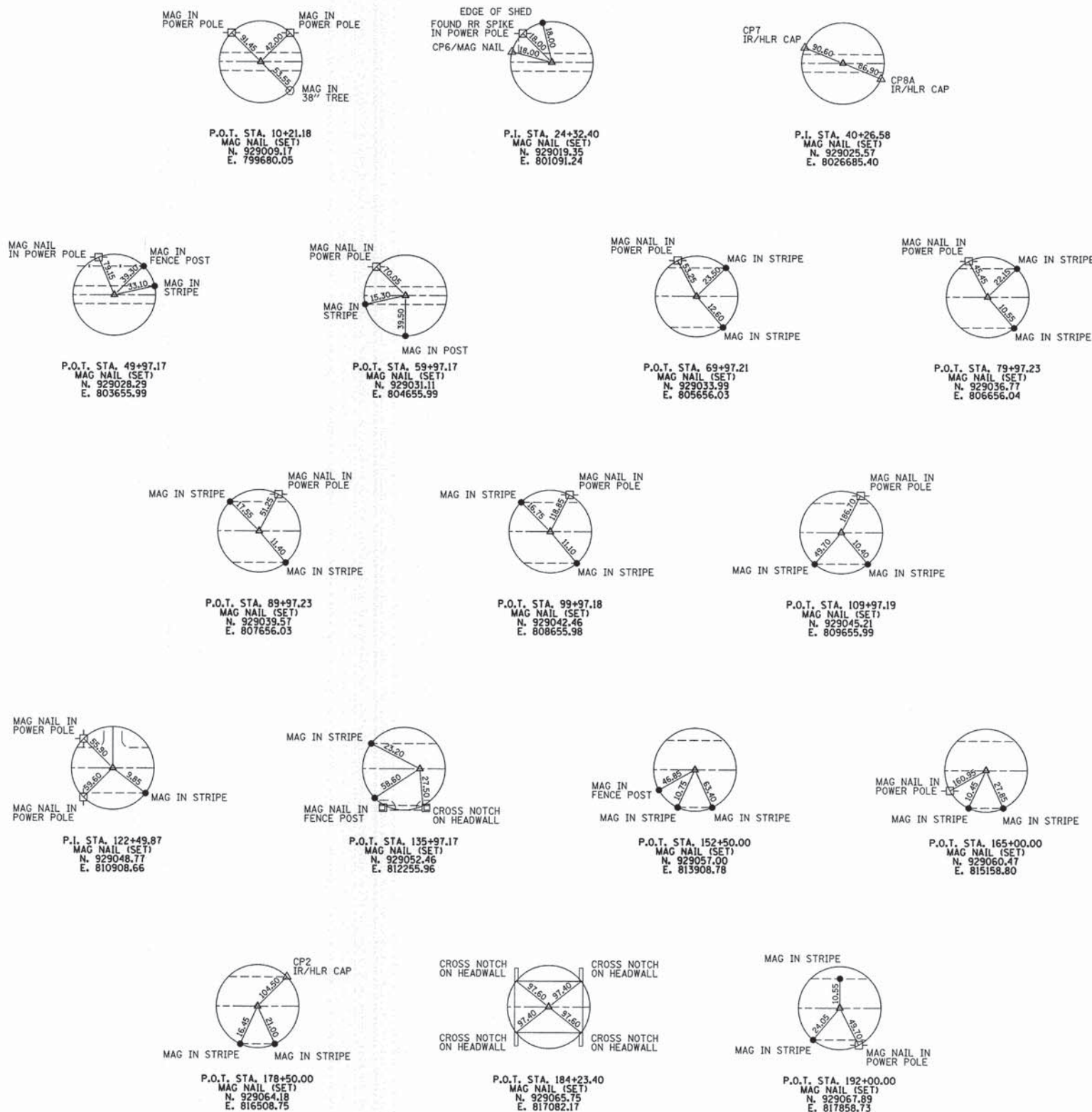
BM 5 MAG NAIL ON CENTERLINE OF CH 14 AT STA 152+50
ELEVATION 580.83

BM 4 MAG NAIL ON CENTERLINE OF CH 14 AT STA 165+00
ELEVATION 568.95

BM 3 RR SPIKE IN POWER POLE WEST OF SN 026-3261(E) SOUTH SIDE OF CH14
48.68' RT. STA.183+00.65 ELEVATION 523.44

BM 2 CROSS NOTCH SQUARE ON SE WINGWALL OF SN 026-3261
12.10' RT. STA.185+23.10 ELEVATION 531.01

BM 1 SQUARE CUT IN TOP OF WINGWALL OF LARGE BOX CULVERT SN026-5000 EAST OF MITCHELL CREEK S SIDE OF CH14
25.75' LT. STA.186+96.50 ELEVATION 526.17



FILE NAME = 130257-sh-ties-secBR.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -	STATE OF ILLINOIS FAYETTE /SHELBY COUNTY HIGHWAY DEPARTMENT	BENCHMARKS & ALIGNMENT TIES	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
HAMPTON, LENZINI AND RENWICK, INC. 3443 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	DRAWN - T.W.K.	REVISED -	REVISED -			651	13-00125-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	5	
ILLINOIS PROFESSIONAL DESIGN FIRM L3 / PE / SE CORP. 184.000989	PLOT SCALE =	CHECKED - J.W.F.	REVISED -			CONTRACT NO. 95769					
	PLOT DATE = 4/17/2015	DATE - 04/17/15	REVISED -			SCALE:	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT BRS-0651(108)	

GUARDRAIL SCHEDULE								
LOCATION	STEEL PLATE BEAM GUARD RAIL TYPE A 9 FOOT POSTS	STEEL PLATE BEAM GUARD RAIL ATTACHED TO STRUCTURES	TRAFFIC BARRIER TERMINAL TYPE 6A	TRAFFIC BARRIER TERMINAL TYPE 1 SPECIAL (TANGENT)	GUARD RAIL REMOVAL	GUARDRAIL MARKERS TYPE A	TERMINAL MARKER DIRECT APPLIED	STEEL PLATE BEAM GUARD RAIL (SHORT RADIUS)
	63000003	63000025	63100087	63100167	63200310	78200410	78201000	X6330725
	FOOT	FOOT	EACH	EACH	FOOT	EACH	EACH	FOOT
FAS 651 / CH14								
RT. STA 181+92.46 TO RT. STA 183+14.44	37.5		1	1	39		1	
LT. STA 182+17.46 TO LT. STA 183+14.33	12.5		1	1	39		1	
RT. STA 185+45.67 TO RT. STA 187+92.55	112.5	50	1	1	189		1	
LT. STA 185+45.67 TO LT. STA 188+30	187.5	50	1		308			25
RT. STA 181+92.46 TO RT. STA 187+85						8		
LT. STA 182+24.04 TO LT. STA 188+30						8		
LT. STA 188+55 TO LT. STA 190+04.13	87.5			1	160	2	1	12.5
TOTAL	437.5	100	4	4	735	18	4	37.5

EARTHWORK SUMMARY							
LOCATION	EARTH EXCAVATION	CHANNEL EXCAVATION	SHRINKAGE FACTOR	% USED	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT REQUIRED	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	20200100	20300100					
	CU YD	CU YD			CU YD	CU YD	CU YD
FAS 651 / CH14							
STA 181+50 TO STA 183+29.25	4		25.00%	100.00%	3	156	-153
STA 185+30.75 TO STA 190+00	3		25.00%	100.00%	2	169	-167
CHANNEL EXCAVATION BRIDGE		470	25.00%	50.00%	176		176
CHANNEL EXCAVATION CULVERT		200	25.00%	50.00%	75		75
TOTAL	7	670			256	325	-69

20400800 FURNISHED EXCAVATION 69 CU YD

PAVEMENT MARKING SCHEDULE				
LOCATION	SHORT TERM PAVEMENT MARKING	PAINT PAVEMENT MARKING LINE, 4"		
		SINGLE WHITE EDGE LINE	SKIP DASH CENTERLINE	SINGLE YELLOW CENTERLINE
		70300100	78001110	78001110
	FOOT	FOOT	FOOT	FOOT
FAS 651 / CH14				
RT. STA 181+50 TO RT. STA 190+00		850		
CL. STA 181+50 TO CL. STA 190+00	134		213	116
LT. STA 181+50 TO LT. STA 190+00		850		
SUBTOTAL	134	1700	213	116
TOTAL	134		2029	

SEEDING SCHEDULE			
LOCATION	EROSION CONTROL BLANKET	TEMPORARY EROSION CONTROL SEEDING	SEEDING, CLASS 2 (SPECIAL)
	25100630	28000250	X2501000
	SQ YD	POUND	ACRE
LT. STA 181+50 TO STA 183+29.25	283	23	0.07
RT. STA 181+50 TO STA 183+29.25	241	20	0.06
LT. STA 185+30.75 TO STA 188+36	480	40	0.11
RT. STA 185+30.75 TO STA 187+98	319	26	0.07
LT. STA 188+53 TO STA 190+14	177	15	0.04
TOTAL	1500	124	0.35
USE	1500	124	0.5

PAVEMENT PATCHING SCHEDULE				
LOCATION	WIDTH	CLASS D PATCHES		AREA REFLECTIVE CRACK CONTROL TREATMENT
		TYPE II, 11"	TYPE III, 11"	
		44201777	44201781	
	FOOT	SQ YD	SQ YD	SQ YD
FAS 651 / CH14				
LT. STA 186+47 TO LT. STA 186+76*	4	13		13
LT. STA 187+08 TO LT. STA 187+34*	6		17	17
TOTAL		13	17	30

* LOCATION TO BE DETERMINED BY ENGINEER

ROADWAY SCHEDULE								
LOCATION	BITUMINOUS MATERIALS (PRIME COAT)	HOT-MIX ASPHALT SURFACE REMOVAL BUTT JOINT	TEMPORARY RAMP	HOT-MIX ASPHALT BINDER COURSE IL-19.0, N50	HOT-MIX ASPHALT SURFACE COURSE MIX "C", N50	HOT-MIX ASPHALT SURFACE REMOVAL 3"	STRIP REFLECTIVE CRACK CONTROL TREATMENT	AGGREGATE WEDGE SHOULDER TYPE B
	40600275	40600982	40600990	40603080	40603310	44000161	44300200	48102100
	POUND	SQ YD	SQ YD	TON	TON	SQ YD	FOOT	TON
FAS 651 / CH14								
SECTION 13-00125-00-BR								
STA 181+50 TO STA 182+93.33	351	24	24	45	37	414	179	8
STA 185+66.67 TO STA 190+00	829	24	24	106	97	1123	469	21
TOTAL	1180	48	48	151	134	1537	648	29

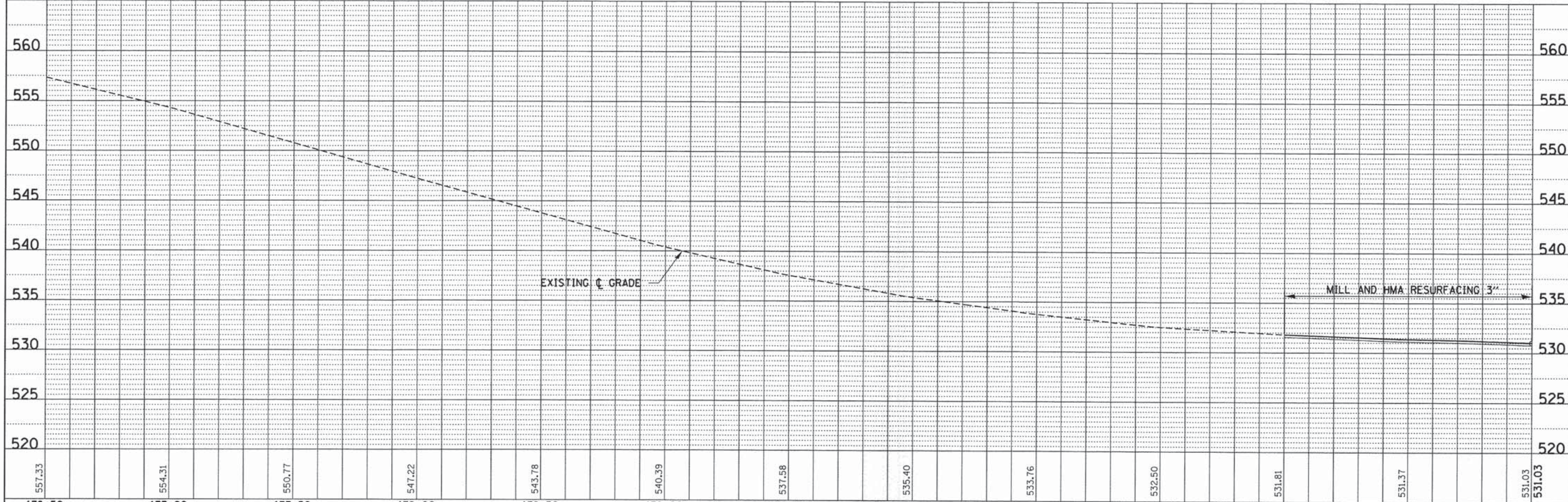
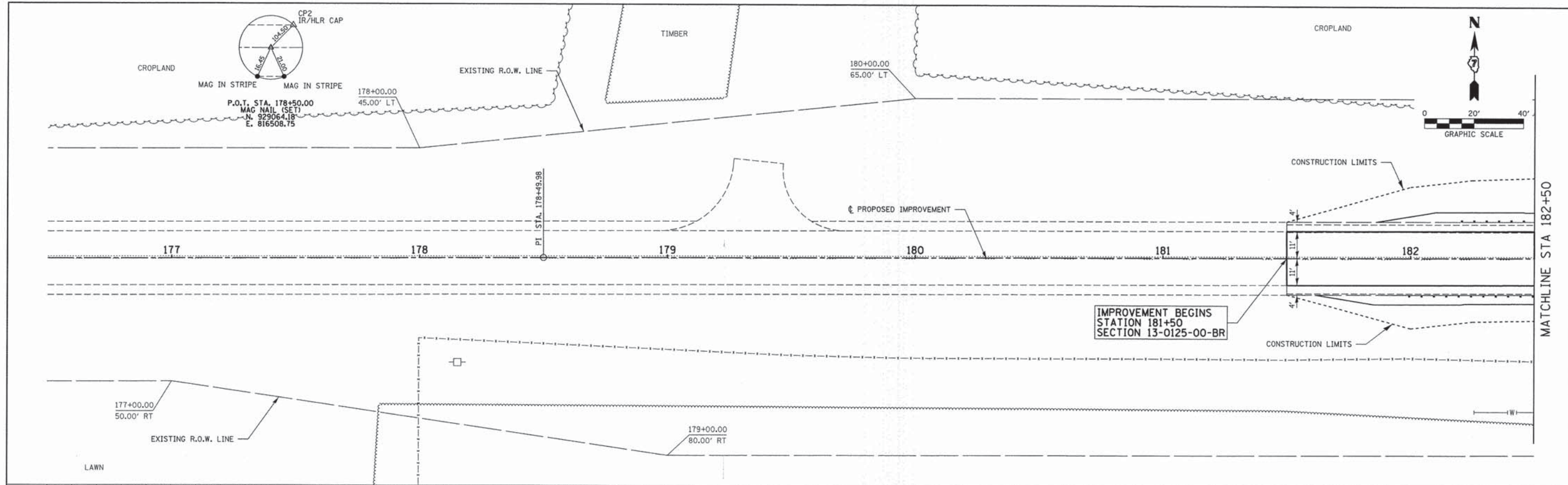
ENTRANCE SUMMARY			
LOCATION	TYPE	WIDTH	INCIDENTAL HOT-MIX ASPHALT SURFACING
			40800050
		FOOT	TON
FAS 651 / CH14			
RT. STA 188+09	FE	24	3
LT. STA 188+37	FE	28	3
TOTAL			6

PERIMETER EROSION BARRIER	
28000400	
LOCATION	FOOT
FAS 651 / CH14	
LT. STA 181+50 TO STA 183+29	179
RT. STA 181+50 TO STA 183+29	186
LT. STA 185+31 TO STA 186+95	174
LT. STA 187+80 TO STA 188+36	60
LT. STA 188+53 TO STA 190+14	161
RT. STA 185+31 TO STA 187+97	236
TOTAL	996

TREE REMOVAL		
LOCATION	6 TO 15 UNITS DIAMETER	OVER 15 UNITS DIAMETER
	20100110	20100210
	UNITS	UNITS
FAS 651 / CH14		
LT. STA 183+40		16
LT. STA 184+90	10	
LT. STA 185+10	10	
RT. STA 184+95	14	
RT. STA 185+10	14	
RT. STA 185+25		16
RT. STA 185+30		16
RT. STA 185+70	12	
TOTAL	60	48

PLAN	SURVEYED	DATE
NOTE BOOK	ALIGNED	BY
NO.	RT. OF WAY CHECKED	
	FILE NAME	

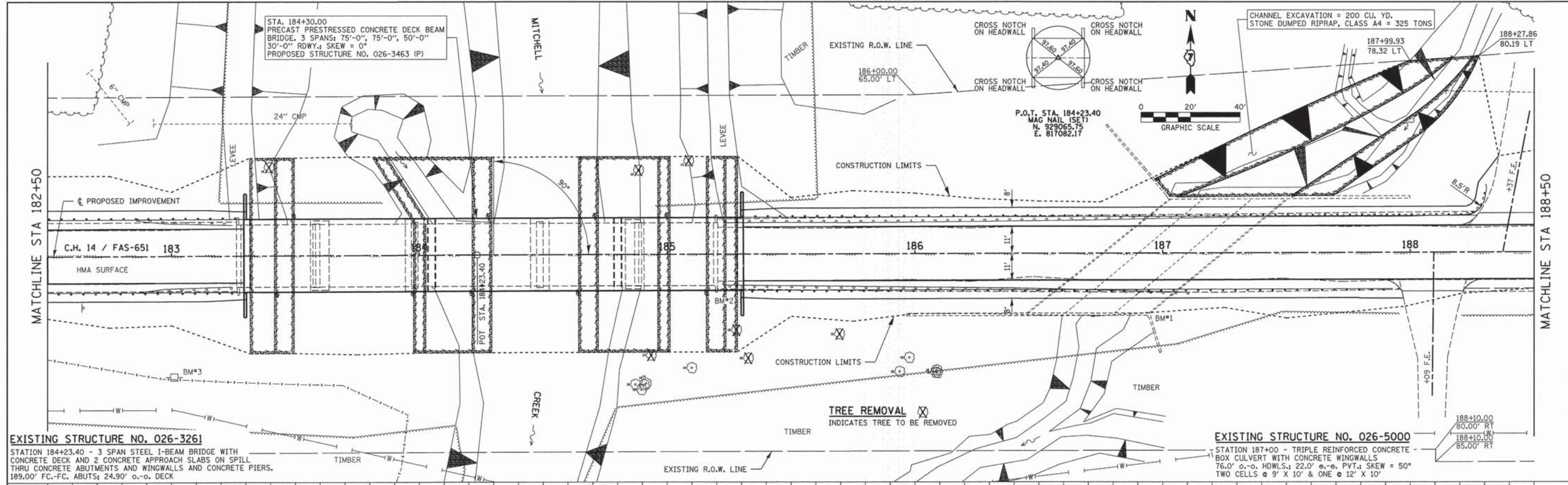
PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	BY
NO.	BLK. NOTED	
	STRUCTURE NOTATIONS CHECKED	



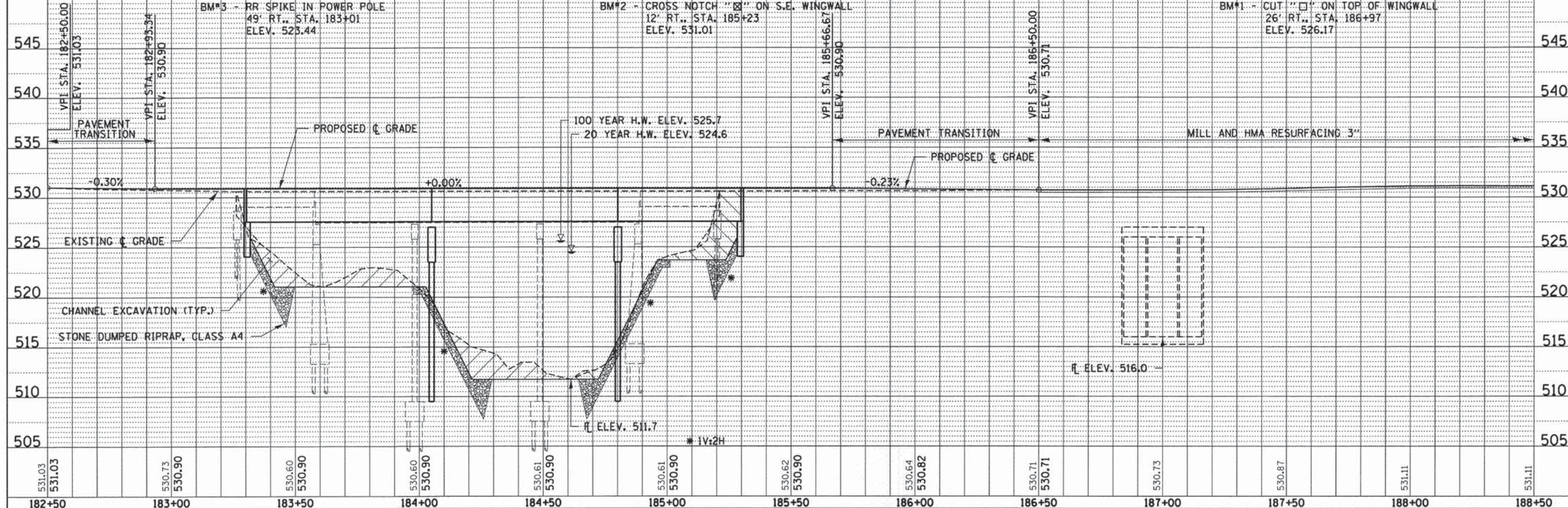
FILE NAME = 130257-shr-p&p-secBR.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -	<p align="center">STATE OF ILLINOIS FAYETTE /SHELBY COUNTY HIGHWAY DEPARTMENT</p>	<p align="center">PLAN & PROFILE F.A.S. 651 / C.H. 14</p>	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	DRAWN - T.W.K.	REVISED -			651	13-00125-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	7
2008 STEVENSON DRIVE, SUITE 501 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184-00089	PLOT DATE = 4/17/2015	CHECKED - J.W.F.	REVISED -			CONTRACT NO. 95769				
		DATE - 04/17/15	REVISED -			SCALE: 20H:5V			SHEET NO. 1 OF 3 SHEETS STA. 176+50.00 TO STA. 182+50.00	

ILLINOIS FED. AID PROJECT BRS-0651(109)

PLAN	SURVEYED	DATE
	ALIGNED	
	NOTED	
	BY	
	NO. OF	
	FILE	
	NO.	

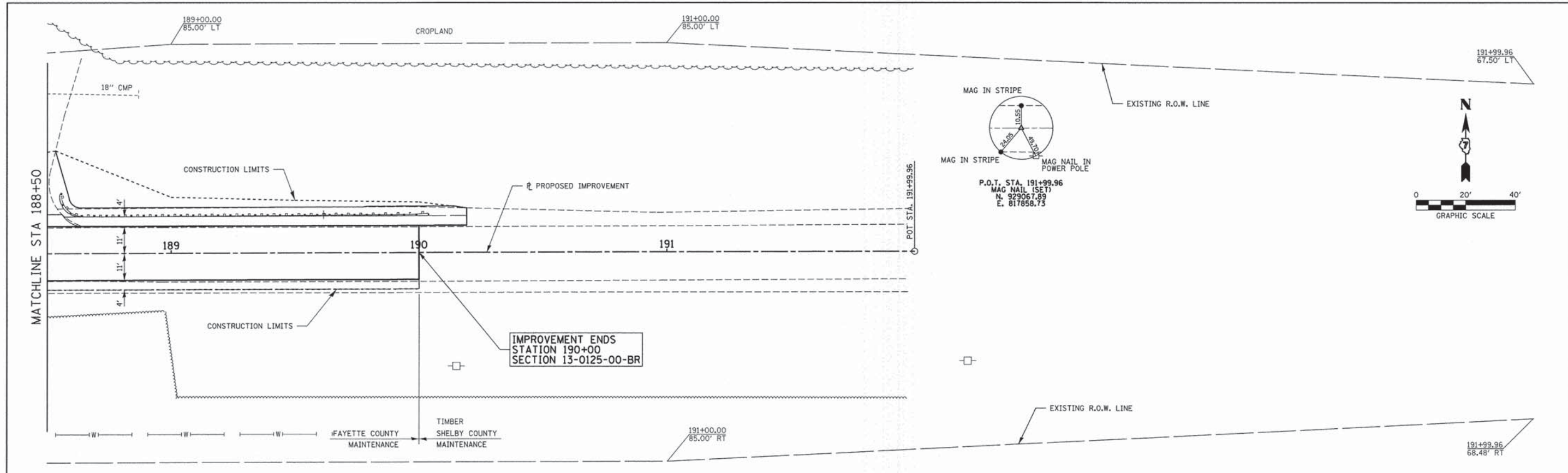


PROFILE	SURVEYED	DATE
	ALIGNED	
	NOTED	
	BY	
	NO. OF	
	FILE	
	NO.	

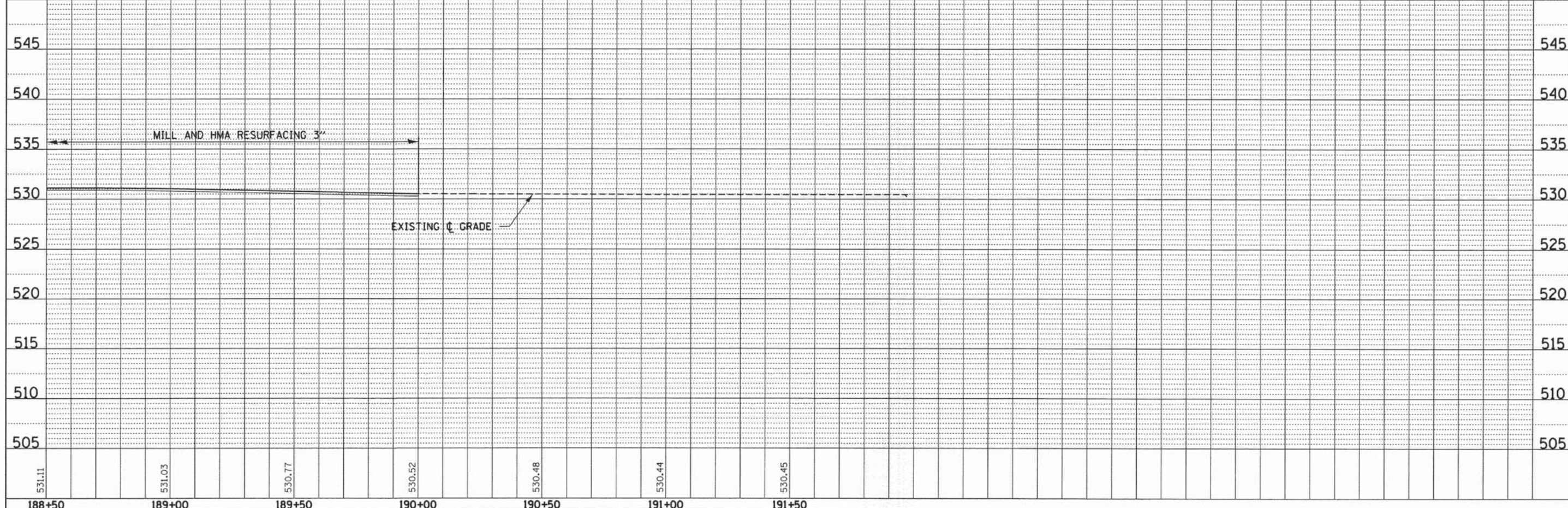


FILE NAME = 138257-shr-p&p-seoBR.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -	STATE OF ILLINOIS FAYETTE /SHELBY COUNTY HIGHWAY DEPARTMENT	PLAN & PROFILE F.A.S. 651 / C.H. 14	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	
HAMPTON, LENZINI AND RENWICK, INC. 3080 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62761	PLOT SCALE =	DRAWN - T.W.K.	REVISED -			651	13-00125-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	8
ILLINOIS PROFESSIONAL DESIGN FIRM L3 / PE CORP. 184.00099	PLOT DATE = 4/17/2015	CHECKED - J.W.F.	REVISED -			CONTRACT NO. 95769				
		DATE - 04/17/15	REVISED -			ILLINOIS FED. AID PROJECT BRS-06511081				

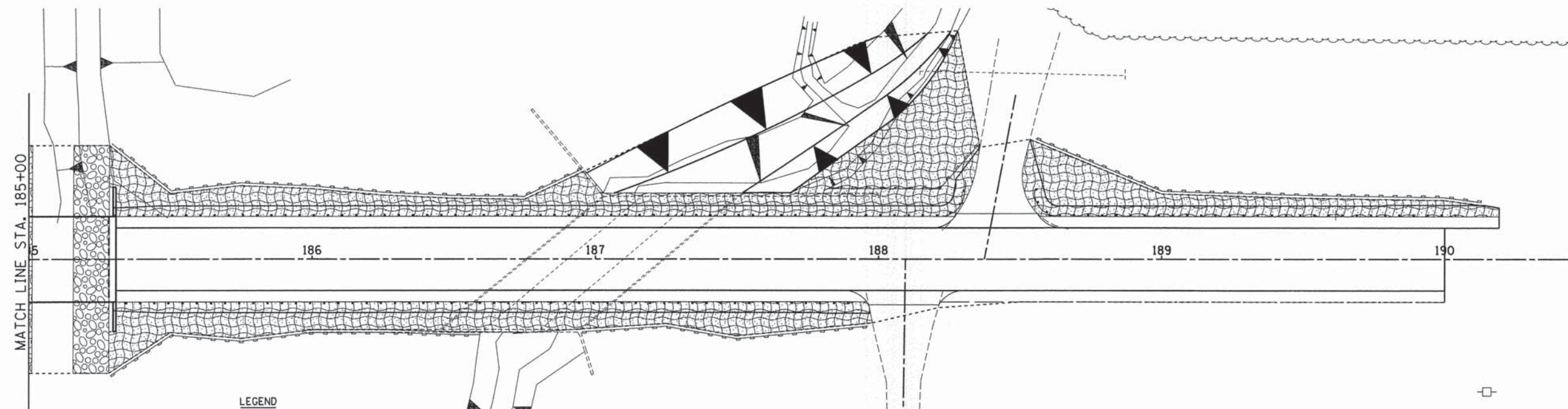
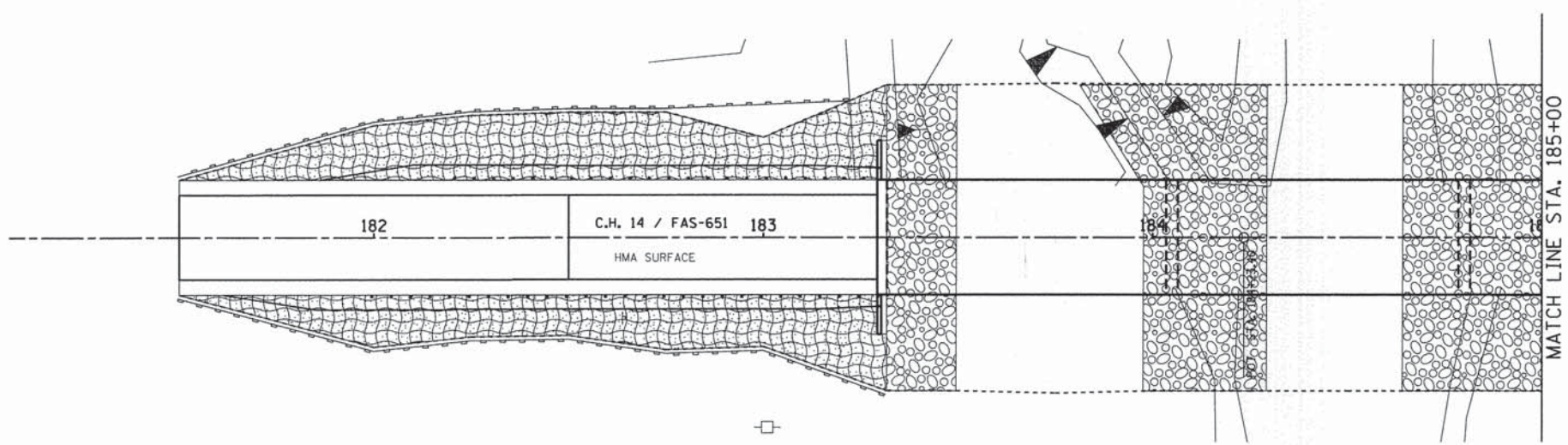
PLAN	SURVEYED	BY	DATE
	ALIGNED		
	NOTED		
	NOTED		
	NOTED		
	NOTED		
	NOTED		
	NOTED		







PROFILE	SURVEYED	BY	DATE
	ALIGNED		
	NOTED		
	NOTED		
	NOTED		
	NOTED		
	NOTED		
	NOTED		

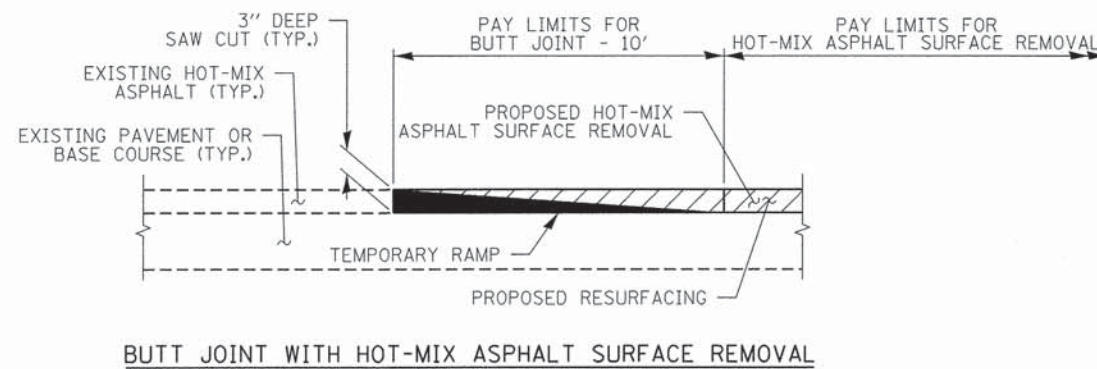
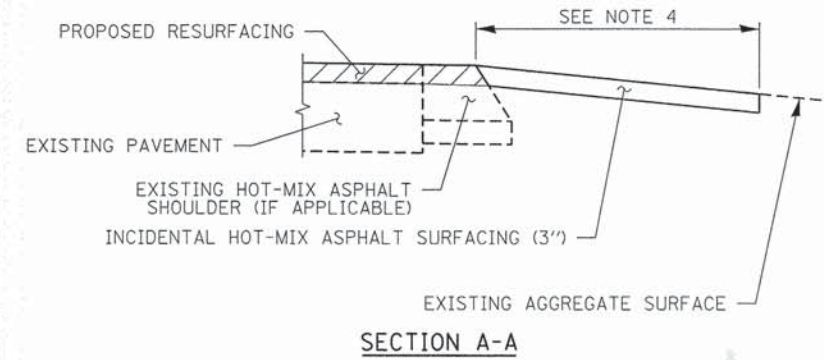
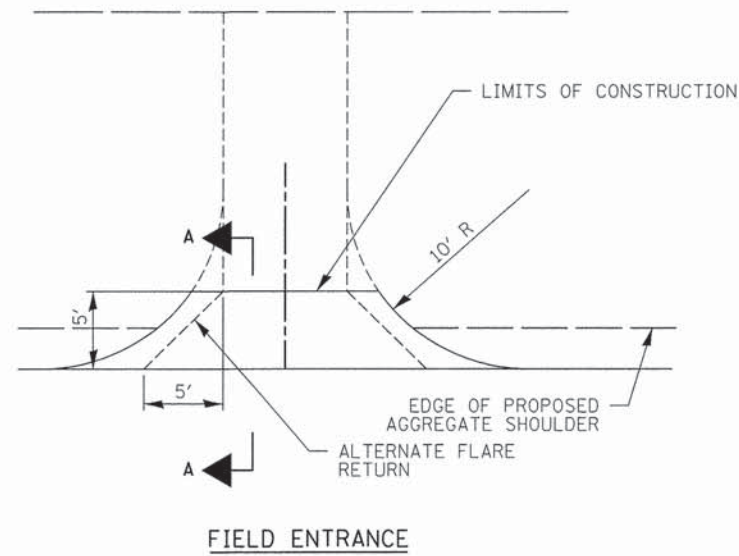


FILE NAME = 138257-ahp-p&p-secBR.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -	STATE OF ILLINOIS FAYETTE /SHELBY COUNTY HIGHWAY DEPARTMENT	PLAN & PROFILE F.A.S. 651 / C.H. 14	SCALE: 20H:5V	SHEET NO. 3 OF 3 SHEETS	STA. 188+50.00 TO STA. 192+00.00	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - T.W.K.	REVISED -						651	13-00125-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	9
1000 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62701 ILLINOIS PROFESSIONAL DESIGN FIRM L5 / PE / SE CORP. 184-000968	PLOT SCALE =	CHECKED - J.W.F.	REVISED -						CONTRACT NO. 95769				
	PLOT DATE = 4/17/2015	DATE - 04/17/15	REVISED -						ILLINOIS FED. AID PROJECT BRS-0651(109)				



- LEGEND**
-  STONE RIPRAP, CLASS A4 (SPECIAL)
 -  PERIMETER EROSION BARRIER
 -  SEEDING CLASS 2A (SPECIAL) AND EROSION CONTROL BLANKET

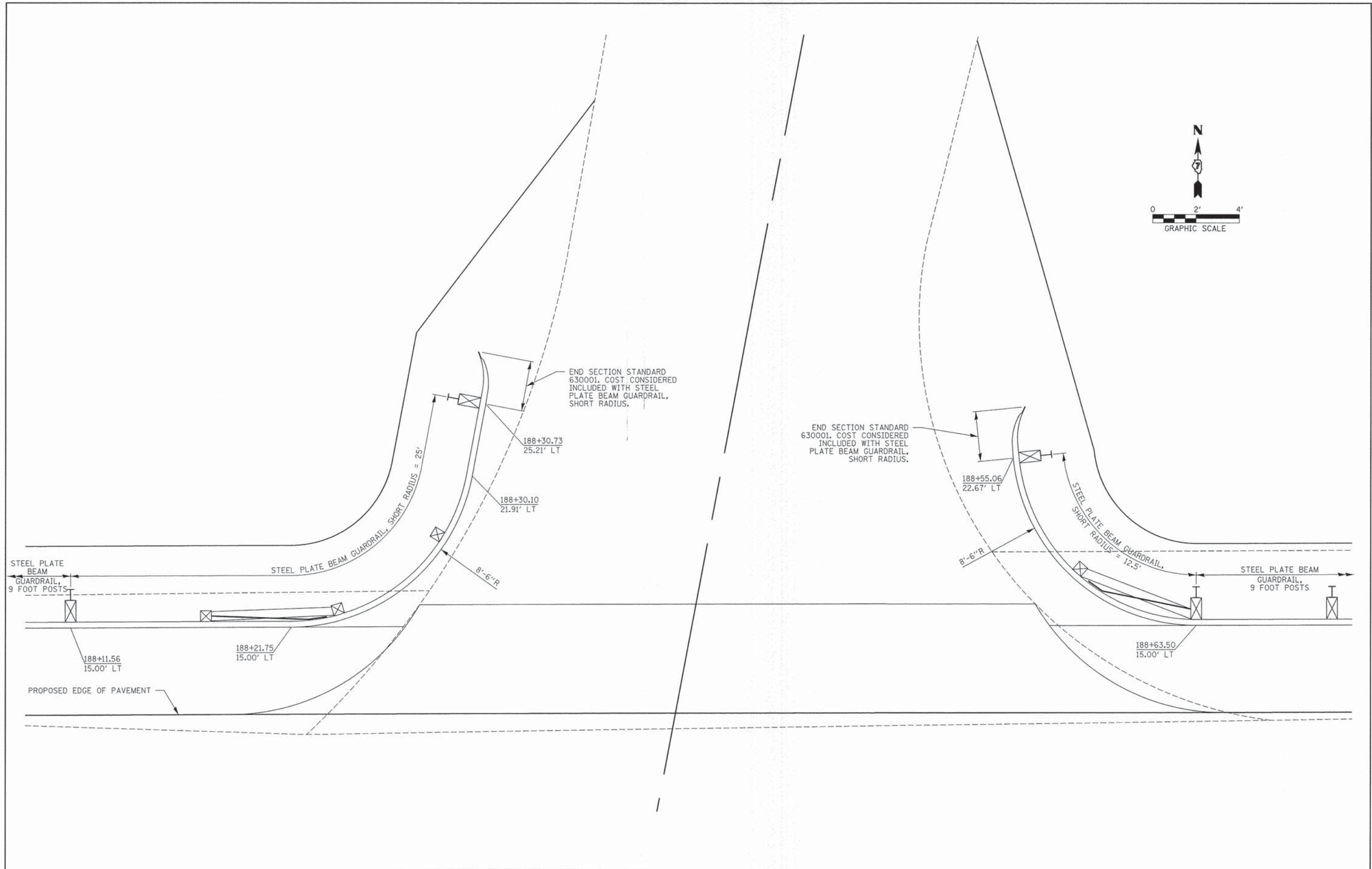
FILE NAME = 138257-shr-erosion-seeBR.dwg	USER NAME =	DESIGNED - L.F.S.	REVISED -	STATE OF ILLINOIS FAYETTE /SHELBY COUNTY HIGHWAY DEPARTMENT	EROSION CONTROL PLAN F.A.S. 651 /C.H. 14	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
 HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM L3 / PE / SE CORP. 184.000999	PLOT SCALE =	DRAWN - T.W.K.	REVISED -			651	13-00125-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	10	
PLOT DATE = 4/17/2015	DATE - 04/17/15	CHECKED - J.W.F.	REVISED -			CONTRACT NO. 95769					
		DATE - 04/17/15	REVISED -			ILLINOIS FED. AID PROJECT BR5-0651(108)					
						SCALE: 1/2"	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.		



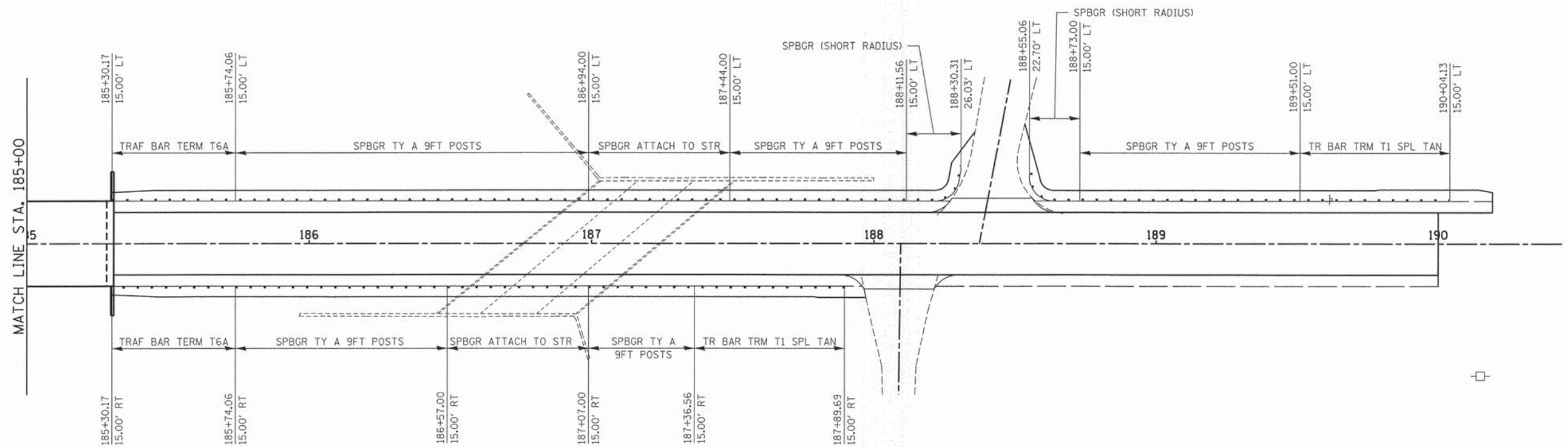
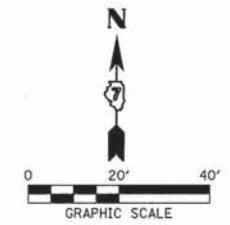
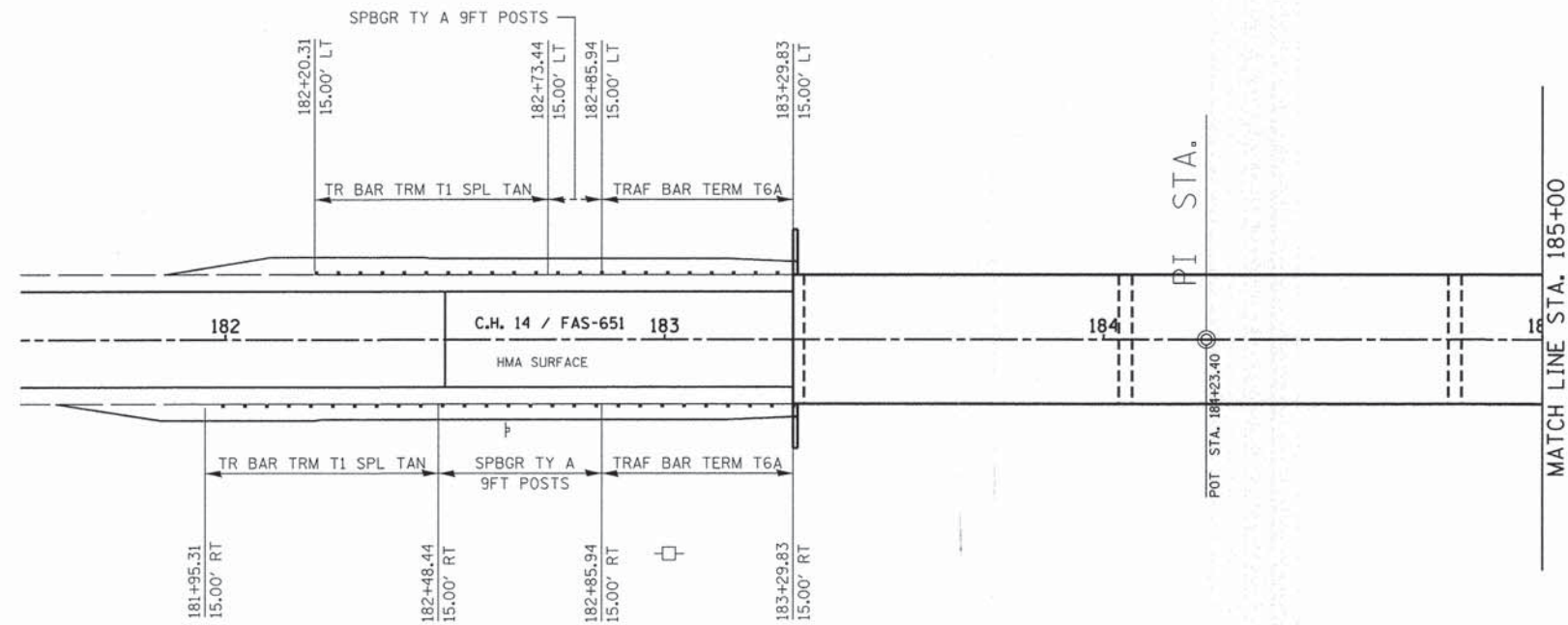
NOTES

1. THE COST OF THE ASPHALT MATERIALS, AND AGGREGATE (PRIME COAT) FOR ENTRANCES SHALL BE INCLUDED IN THE PAY ITEM, INCIDENTAL HOT-MIX ASPHALT SURFACING.
2. THE COST OF EXCAVATION IS INCLUDED IN THE PAY ITEM, INCIDENTAL HOT-MIX ASPHALT SURFACING.
3. IF THERE IS NOT HOT-MIX ASPHALT SHOULDER THEN THE ENTRANCE TAPER STARTS AT THE EDGE OF EXISTING PAVEMENT
4. LENGTH = 5' UNLESS OTHERWISE NOTED ON PLANS.

FILE NAME = 130257-sht-ent-detail-secBR	DRAWN - T.W.K.	DESIGNED - L.F.S.	REVISIONS	STATE OF ILLINOIS FAYETTE /SHELBY COUNTY HIGHWAY DEPARTMENT	ENTRANCE DETAILS F.A.S. 651 / C.H. 14		F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 301 SPRINGFIELD, ILLINOIS 62769 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000999	CHECKED - J.W.F.	DATE - 04/17/15	REVISIONS				651	13-00125-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	11		
PLOT SCALE =	DATE - 04/17/15	REVISIONS	SCALE: NONE				SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT BRS-0651(108)			
PLOT DATE = 4/17/2015	DATE - 04/17/15	REVISIONS											



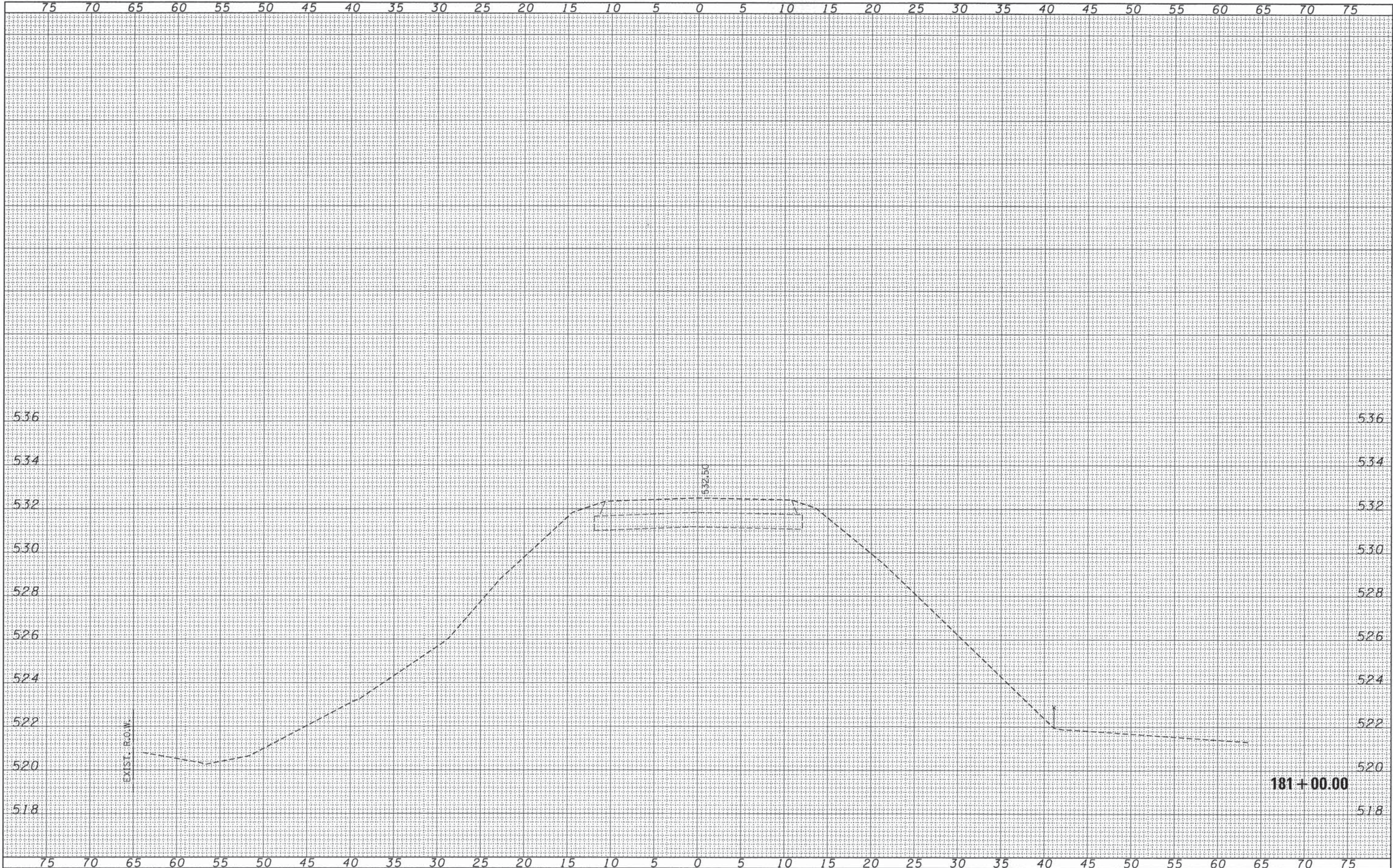
FILE NAME = 138257-shr-gr-detail-secB	USER NAME =	DESIGNED - L.F.S.	REVISED -	STATE OF ILLINOIS FAYETTE /SHELBY COUNTY HIGHWAY DEPARTMENT	GUARDRAIL DETAILS F.A.S. 651 / C.H. 14	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
HAMPTON, LENZINI AND RENWICK, INC. 3045 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE =	DRAWN - T.W.K.	REVISED -			651	13-00125-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	12	
ILLINOIS PROFESSIONAL DESIGN FIRM L3 / PE / SE CORP. 184.000889	PLOT DATE = 4/17/2015	CHECKED - J.W.F.	REVISED -			CONTRACT NO. 95769					
		DATE - 04/17/15	REVISED -			ILLINOIS FED. AID PROJECT BR5-0651(108)					
						SCALE: 1:2	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.		



FILE NAME = 130257-shr-gr-seoBR.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -	STATE OF ILLINOIS FAYETTE /SHELBY COUNTY HIGHWAY DEPARTMENT	GUARDRAIL LAYOUT F.A.S. 651 / C.H. 14	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62783 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		DRAWN - T.W.K.	REVISED -			651	13-00125-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	13	
PLOT SCALE =	CHECKED - J.W.F.	REVISED -	REVISED -			CONTRACT NO. 95769					
PLOT DATE = 4/17/2015	DATE - 04/17/15	REVISED -	REVISED -			ILLINOIS FED. AID PROJECT BRS-0651(08)					
					SCALE: 1/2"	SHEET NO. 1 OF 1 SHEETS		STA.	TO STA.		

DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

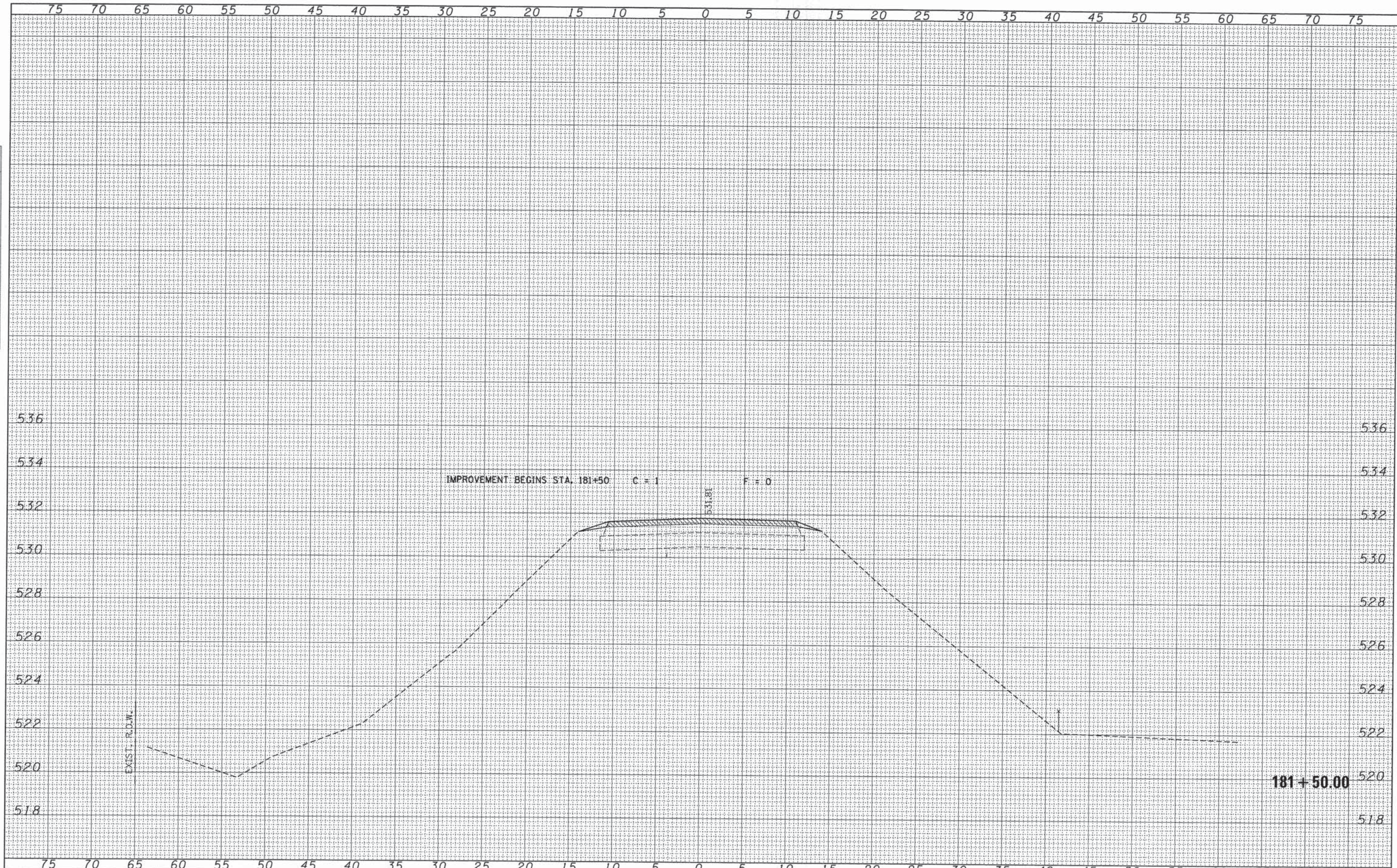
DATE	
BY	
ORIGINAL SURVEY	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



FILE NAME = 138257-shr-sas-secB.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -	STATE OF ILLINOIS FAYETTE /SHELBY COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS F.A.S. 651 / C.H. 14		F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
HAMPTON, LENZINI AND RENWICK, INC. 3048 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		DRAWN - T.W.K.	REVISED -		651	13-0025-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	14			
ILR ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184-00099	PLOT SCALE =	CHECKED - J.W.F.	REVISED -		SCALE: 5H:2V		SHEET NO. 1 OF 30 SHEETS		STA. 181+00.00 TO STA. 181+00.00		CONTRACT NO. 95769	
	PLOT DATE = 4/17/2015	DATE - 04/17/15	REVISED -								ILLINOIS FED. AID PROJECT BR5-0651(00B)	

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

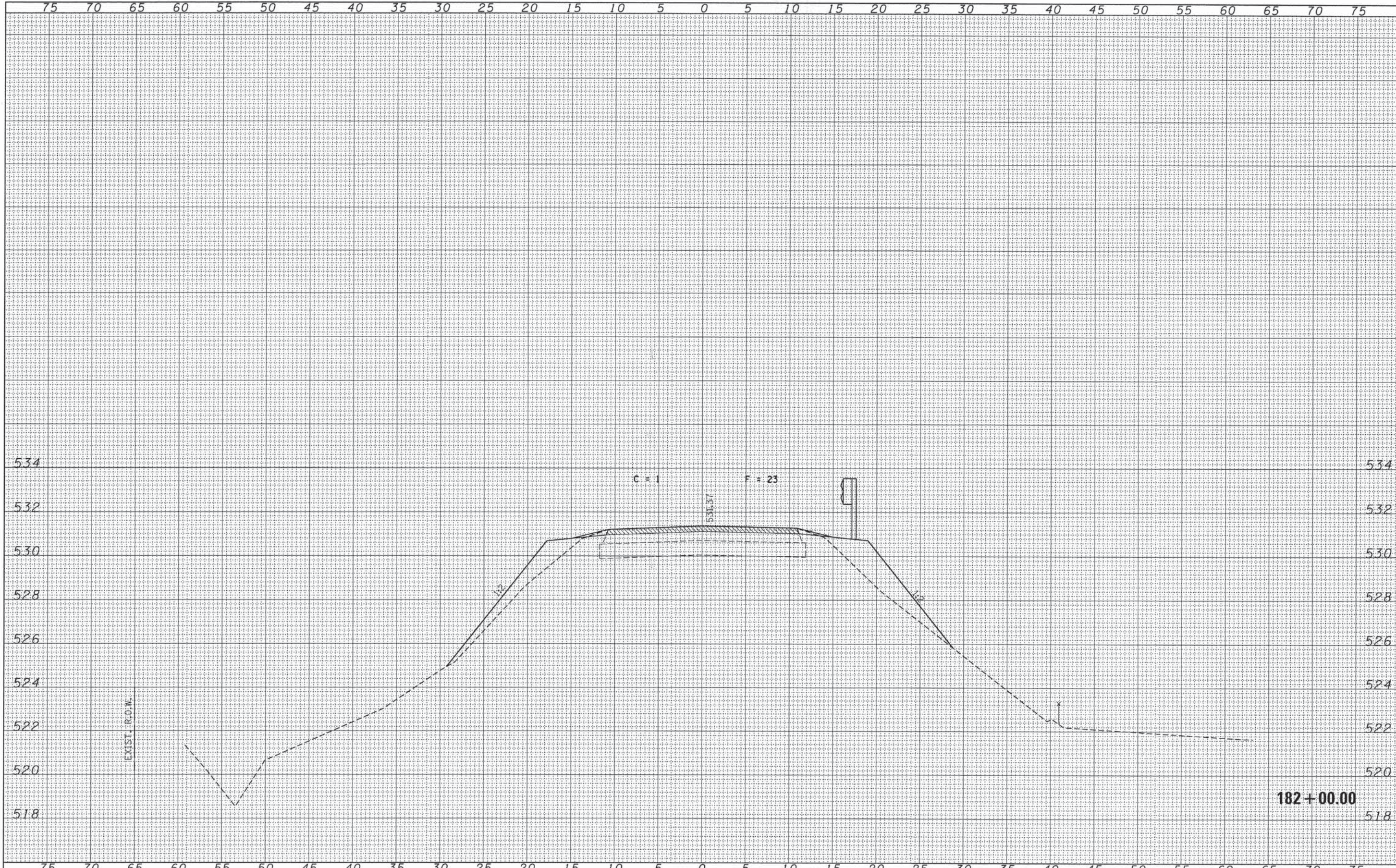
DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
NOTE BOOK	
NO.	
AREAS CHECKED	
AREAS CHECKED	



FILE NAME = 130257-sht-xxa-seoBR.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -	STATE OF ILLINOIS FAYETTE /SHELBY COUNTY HIGHWAY DEPARTMENT SCALE: 5H:2V SHEET NO. 2 OF 30 SHEETS STA. 181+50.00 TO STA. 181+50.00	STATION CROSS SECTIONS F.A.S. 651 / C.H. 14		F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - T.W.K.	REVISED -		651	13-0025-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	15		
3080 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62791	PLOT SCALE =	CHECKED - J.W.F.	REVISED -		CONTRACT NO. 95769		ILLINOIS FED. AID PROJECT BRS-065(108)				
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184-000899	PLOT DATE = 4/17/2015	DATE - 04/17/15	REVISED -								

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

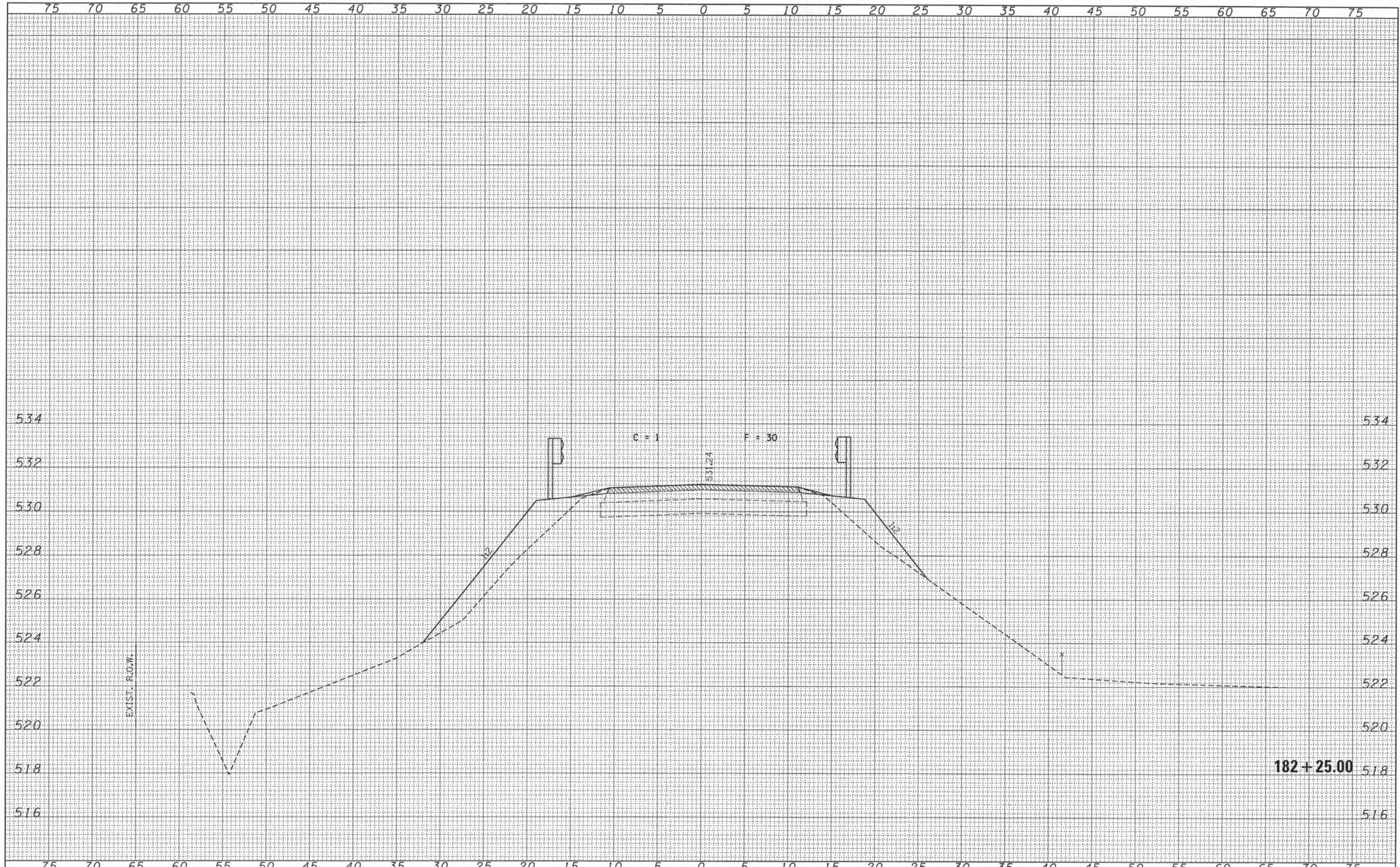
DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



FILE NAME = 138257-sh1-axa-sec08R.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -	STATE OF ILLINOIS FAYETTE /SHELBY COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS F.A.S. 651 / C.H. 14		F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. <small>303 STEVENSON DRIVE, SUITE 301 SPRINGFIELD, ILLINOIS 62761</small>	PLOT SCALE =	CHECKED - J.W.F.	REVISED -		651	13-0025-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	16		
ILR <small>ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184-00399</small>	PLOT DATE = 4/17/2015	DATE - 04/17/15	REVISED -		SCALE: 5h2V SHEET NO. 3 OF 30 SHEETS STA. 182+00.00 TO STA. 182+00.00		CONTRACT NO. 95769		ILLINOIS FED. AID PROJECT BRS-0651(108)		

FINAL SURVEY	DATE
SURVEYED BY	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	

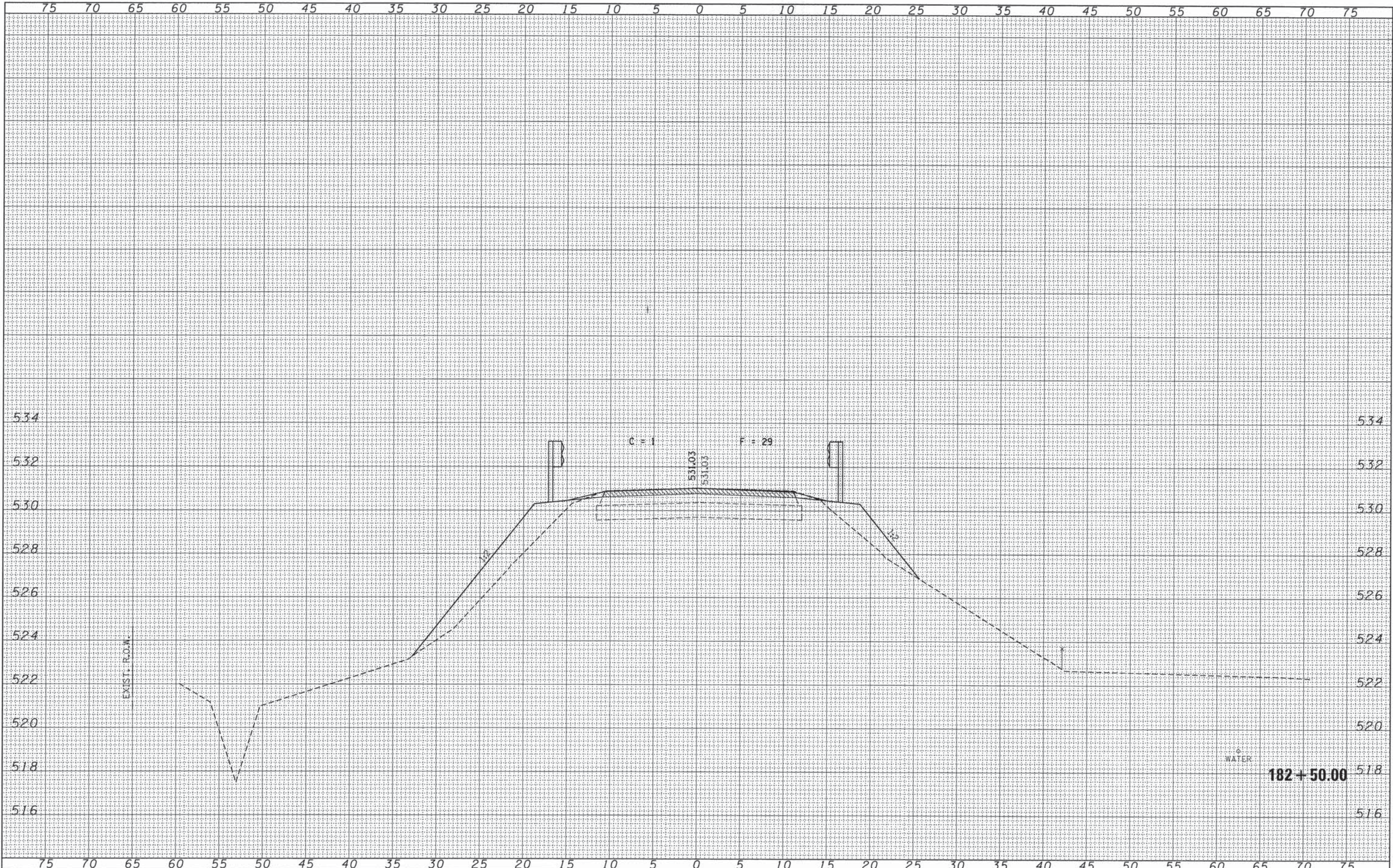
ORIGINAL SURVEY	DATE
SURVEYED BY	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	



FILE NAME = 138257-sht-xss-seeBR.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -	STATE OF ILLINOIS FAYETTE /SHELBY COUNTY HIGHWAY DEPARTMENT		STATION CROSS SECTIONS F.A.S. 651 / C.H. 14		F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3045 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE =	CHECKED - J.W.F.	REVISED -			651	13-00125-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	17		
PLOT DATE = 4/17/2015	DATE - 04/17/15	REVISED -	SCALE: 5H:2V			SHEET NO. 4 OF 30 SHEETS	STA. 182+25.00 TO STA. 182+25.00	CONTRACT NO. 95769		ILLINOIS FED. AID PROJECT BRS-0651(108)		

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

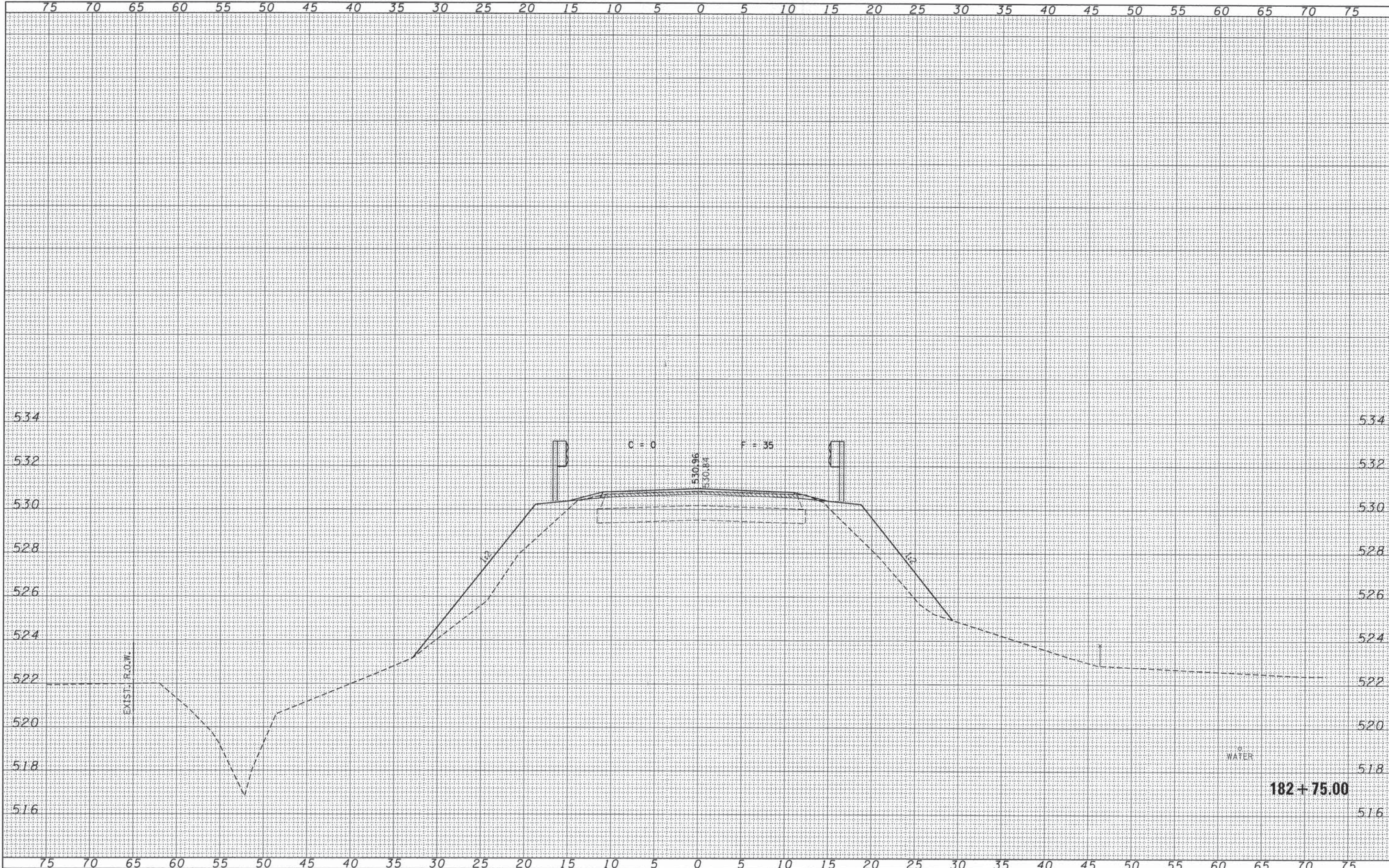
DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	
NO.	



FILE NAME = 138257-shr-axs+seoBR.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -	STATE OF ILLINOIS FAYETTE /SHELBY COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS F.A.S. 651 / C.H. 14		F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - T.W.K.	REVISED -		651	13-0025-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	18		
3001 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62702	PLOT SCALE =	CHECKED - J.W.F.	REVISED -		CONTRACT NO. 95769			ILLINOIS FED. AID PROJECT BRS-0651(108)			
ILLINOIS PROFESSIONAL DESIGN FIRM L3 / PE / SE CORP. 184.00293	PLOT DATE = 4/17/2015	DATE - 04/17/15	REVISED -		SCALE: 5H:2V	SHEET NO. 5 OF 30 SHEETS	STA. 182+50.00 TO STA. 182+50.00				

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

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



FILE NAME = 138257-sh1-axs-secBR.dgn
 HAMPTON, LENZINI AND RENWICK, INC.
 308 STEVENSON DRIVE, SUITE 201
 SPRINGFIELD, ILLINOIS 62708
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LB / PE / SE CORP. 184-000959

USER NAME =
 PLOT SCALE =
 PLOT DATE = 4/17/2015

DESIGNED - L.F.S.
 DRAWN - T.W.K.
 CHECKED - J.W.F.
 DATE - 04/17/15

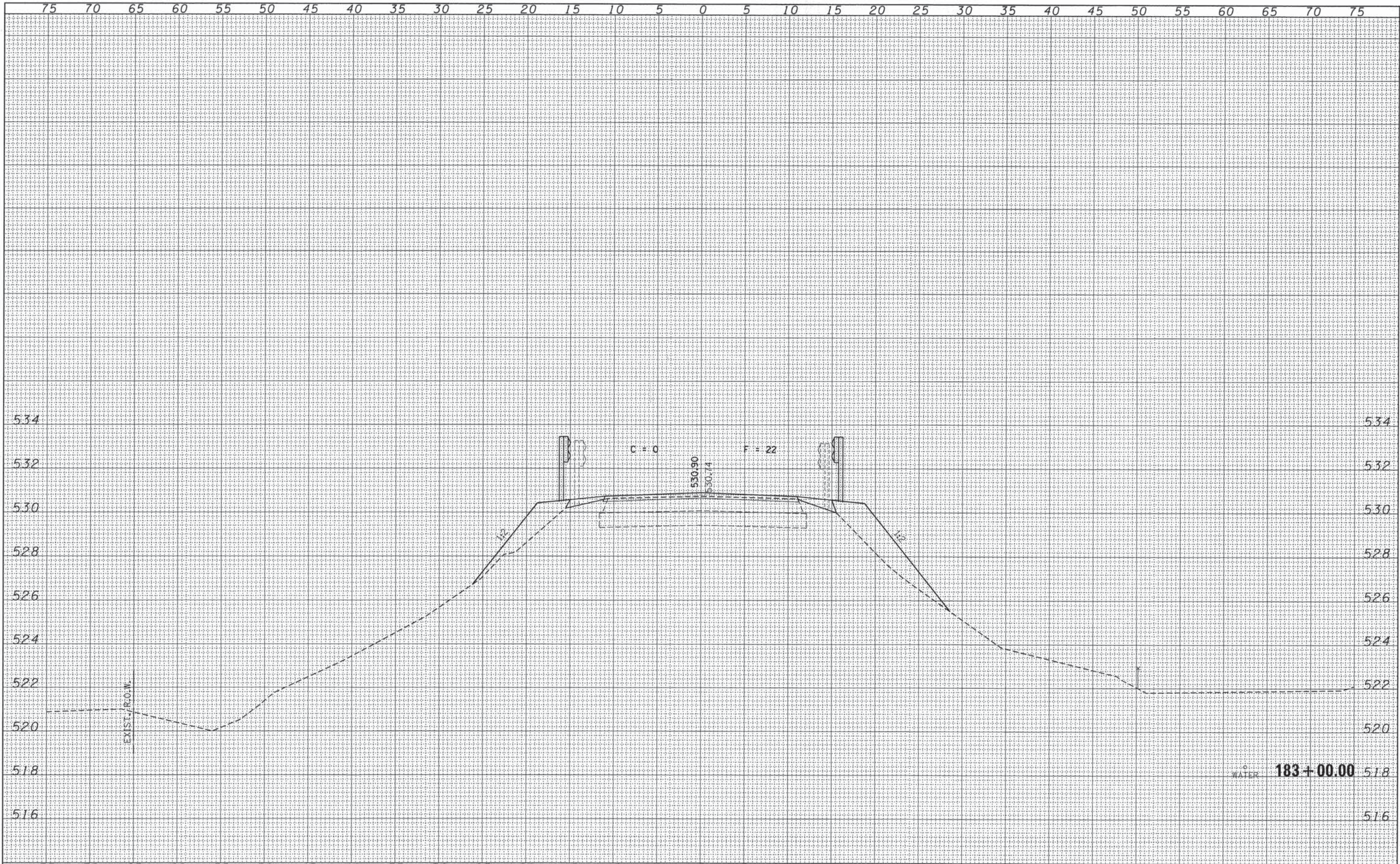
STATE OF ILLINOIS
 FAYETTE / SHELBY COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS
 F.A.S. 651 / C.H. 14
 SCALE: 5H:2V
 SHEET NO. 6 OF 30 SHEETS
 STA. 182+75.00 TO STA. 182+75.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
651	13-0025-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	19
CONTRACT NO. 95769				
ILLINOIS FED. AID PROJECT BRS-0651(108)				

DATE	
BY	
FINAL SURVEY	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

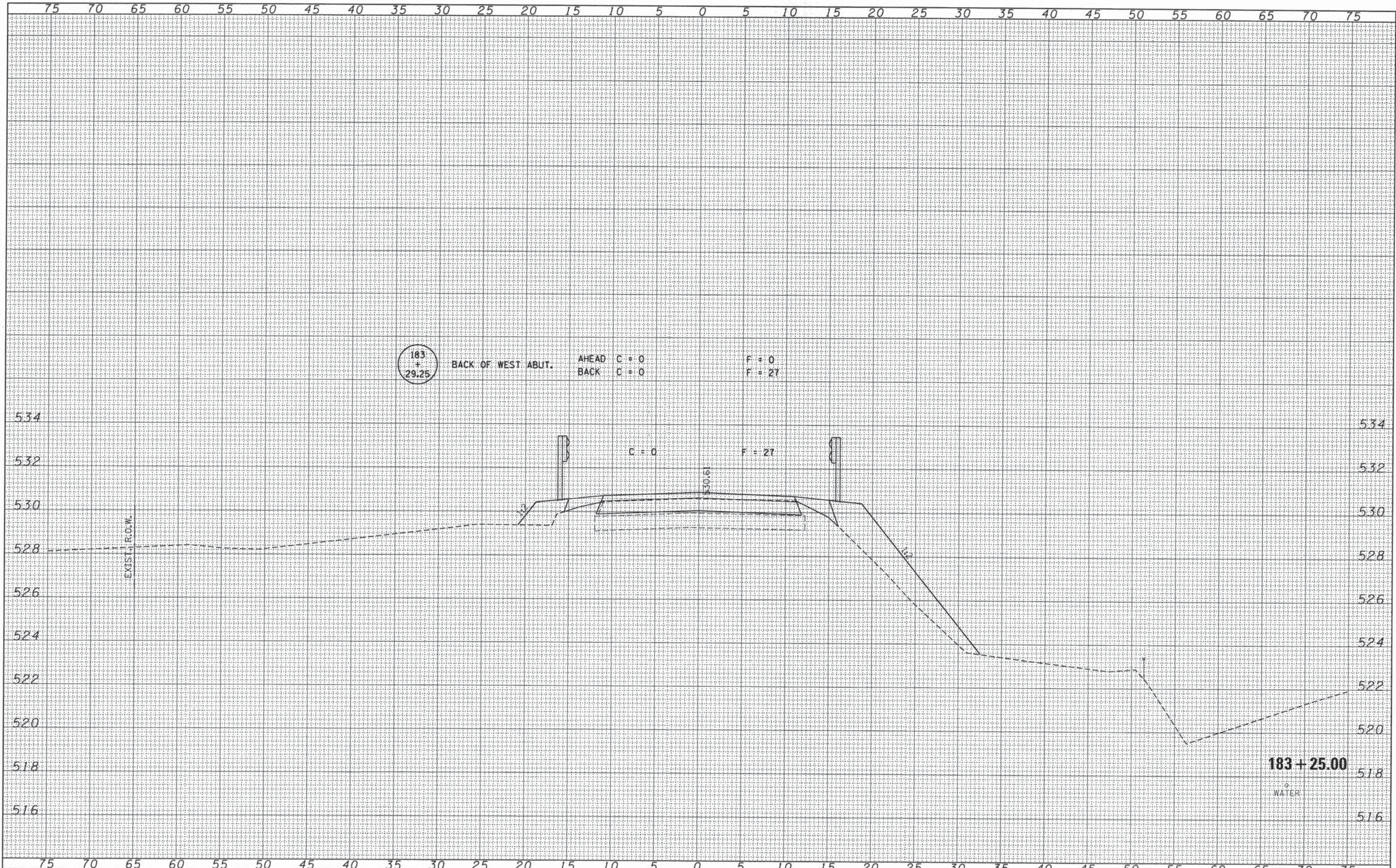
DATE	
BY	
ORIGINAL SURVEY	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



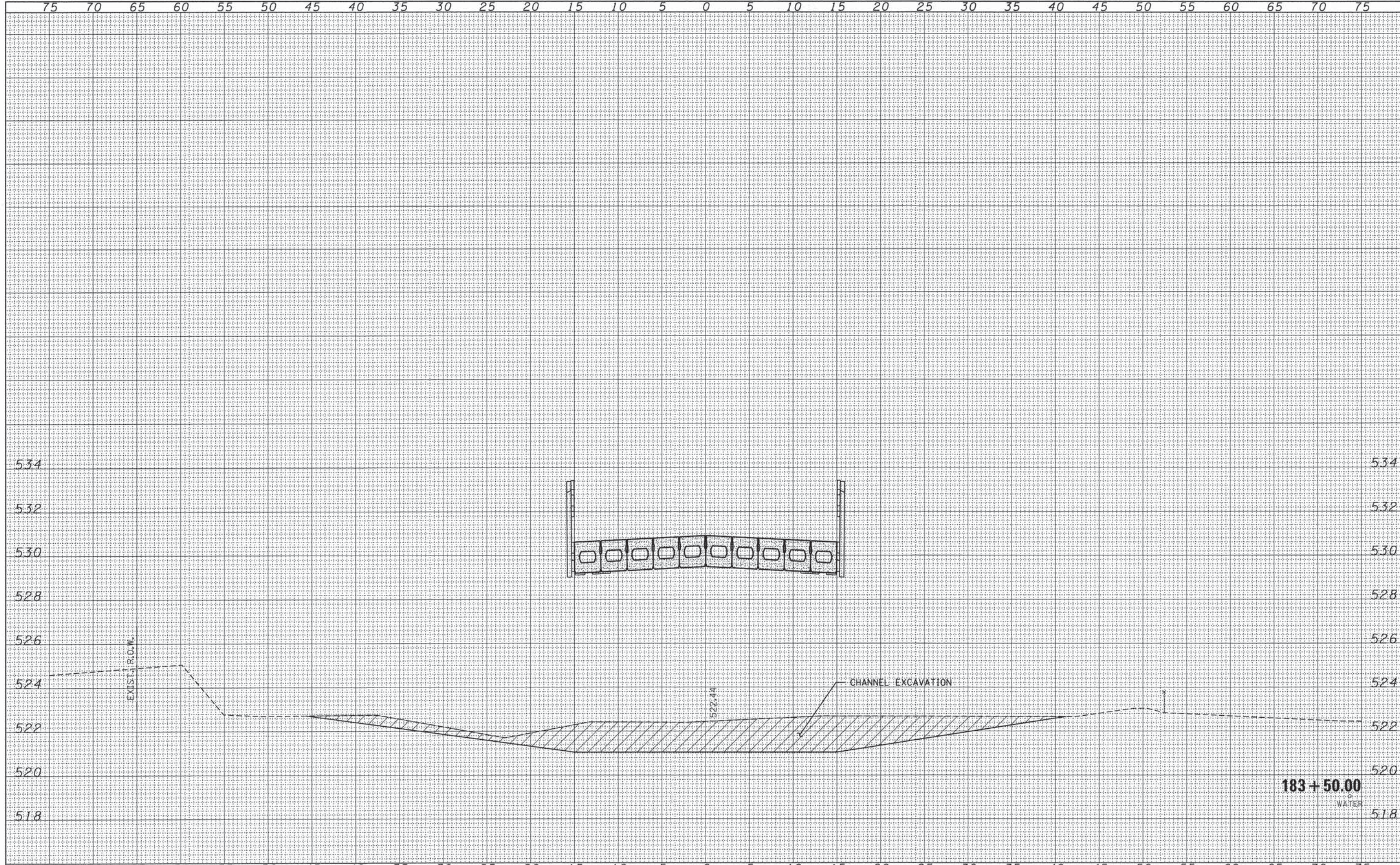
FILE NAME = 138257-shr-axi-secBR.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -	STATE OF ILLINOIS FAYETTE / SHELBY COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS F.A.S. 651 / C.H. 14		F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 308 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62768	PLOT SCALE =	DRAWN - T.W.K.	REVISED -		651	13-0025-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	20		
ILLINOIS PROFESSIONAL DESIGN FIRM L3 / PE / SE CORP. 184.00059	PLOT DATE = 4/17/2015	CHECKED - J.W.F.	REVISED -		CONTRACT NO. 95769						
		DATE - 04/17/15	REVISED -		[ILLINOIS] FED. AID PROJECT BRS-0651(108)						

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

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



FILE NAME = 130257-sht-xx-seoBR.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -	STATE OF ILLINOIS FAYETTE /SHELBY COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS F.A.S. 651 / C.H. 14		F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - T.W.K.	REVISED -		651	13-00125-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	21		
388 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62761	PLOT SCALE =	CHECKED - J.W.F.	REVISED -		CONTRACT NO. 95769						
ILLINOIS PROFESSIONAL DESIGN FIRM L3 / PE / SE CORP. 184.000999	PLOT DATE = 4/17/2015	DATE - 04/17/15	REVISED -		ILLINOIS FED. AID PROJECT BRS-065(1108)						



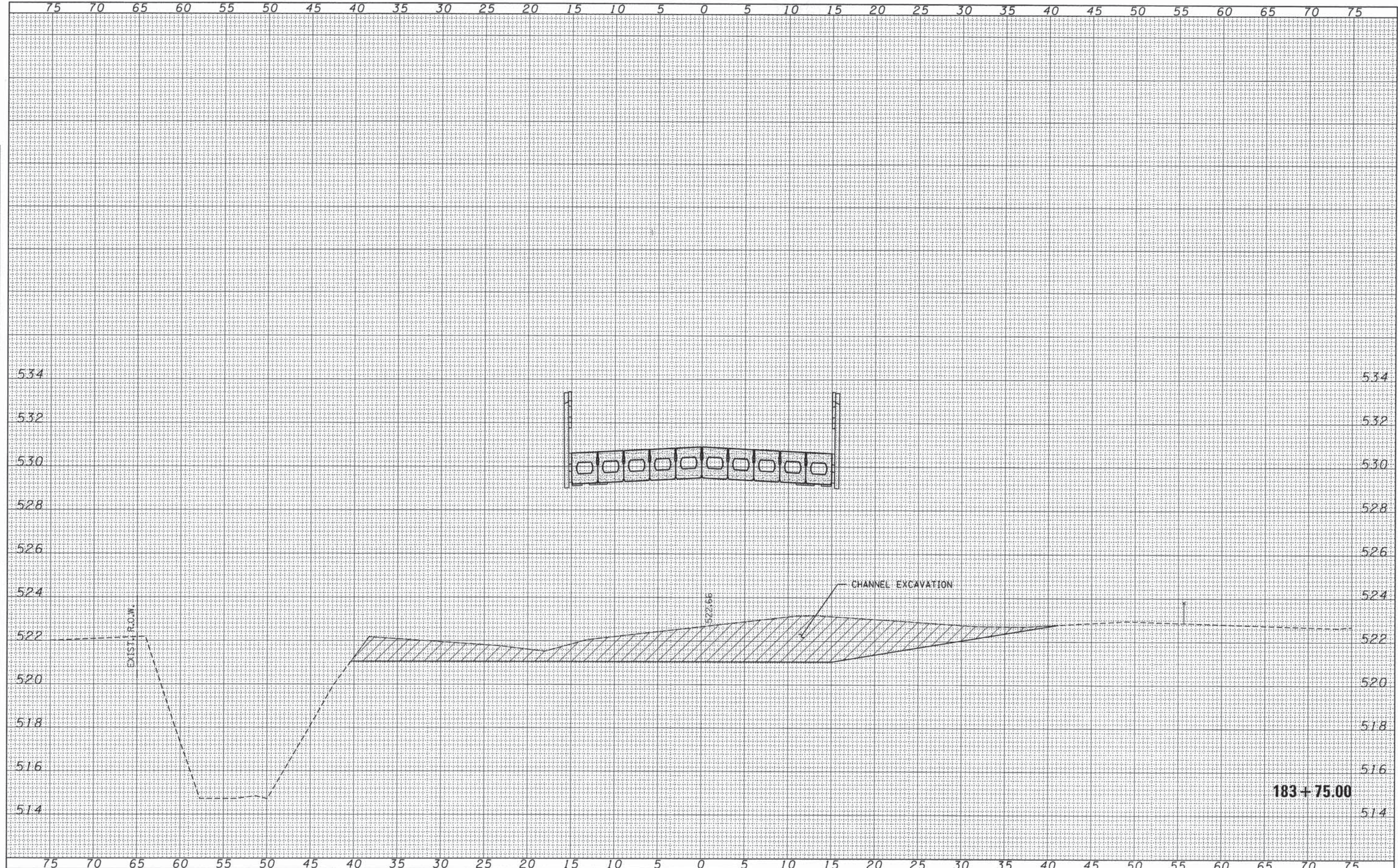
DATE	BY
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS CHECKED

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

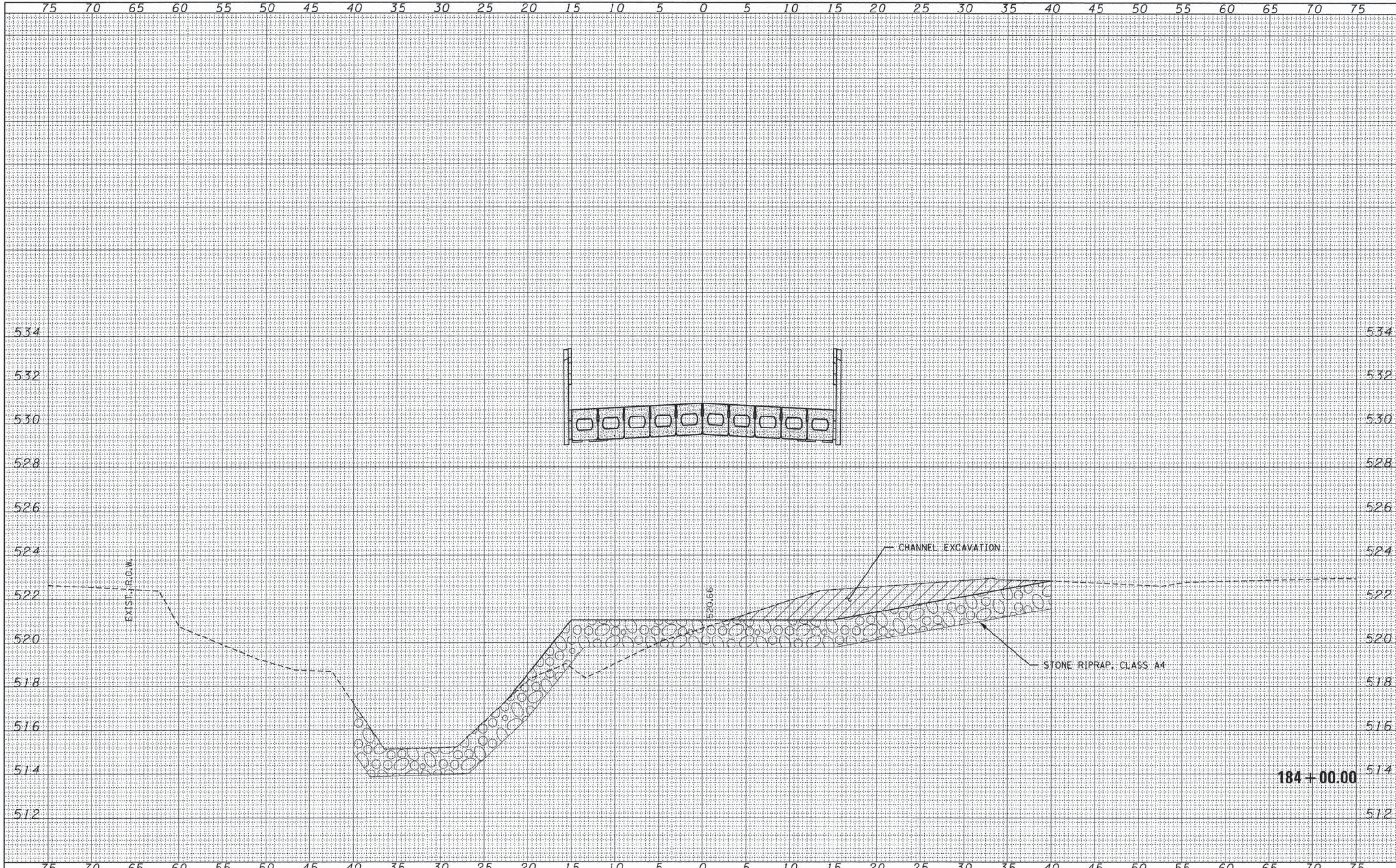
FILE NAME = 138257-sht-sss-seeBR.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -	STATE OF ILLINOIS FAYETTE /SHELBY COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS F.A.S. 651 / C.H. 14		F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3081 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62761	PLOT SCALE =	DRAWN - T.W.K.	REVISED -		651	13-00125-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	22		
HLR ILLINOIS PROFESSIONAL DESIGN FIRM L3 / PE / BE CORP. 184.000889	PLOT DATE = 4/17/2015	CHECKED - J.W.F.	REVISED -		CONTRACT NO. 95769						
		DATE - 04/17/15	REVISED -		SCALE: 5H:2V SHEET NO. 9 OF 30 SHEETS STA. 183+50.00 TO STA. 183+50.00				[ILLINOIS] FED. AID PROJECT BRS-0651(108)		

DATE	
BY	
SURVEYED	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
DESIGNED	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	
NO.	



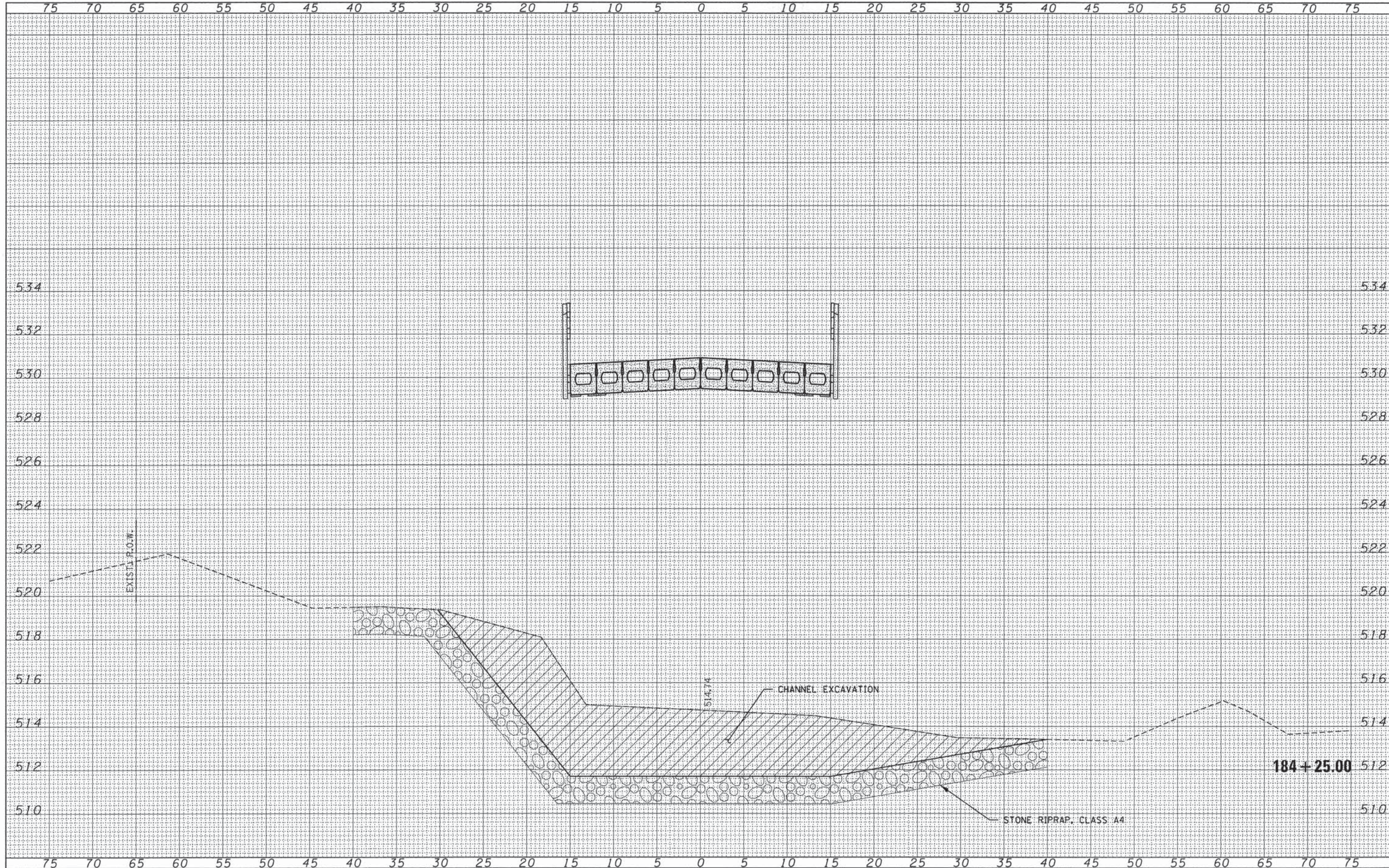
FILE NAME = 138257-ahf-axs-secBR.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -	STATE OF ILLINOIS FAYETTE /SHELBY COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS F.A.S. 651 / C.H. 14		F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3888 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE =	DRAWN - T.W.K.	REVISED -		651	13-00125-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	23		
ILLINOIS PROFESSIONAL DESIGN FIRM L8 / PE / SE CORP. 184-003993	PLOT DATE = 4/17/2015	CHECKED - J.W.F.	REVISED -		CONTRACT NO. 95769						
		DATE - 04/17/15	REVISED -		SCALE: 5H:2V	SHEET NO. 10 OF 30 SHEETS	STA. 183+75.00 TO STA. 183+75.00	ILLINOIS FED. AID PROJECT BRS-0651(108)			



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

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

FILE NAME = 130257-sht-xxx-secBR.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -	STATE OF ILLINOIS FAYETTE /SHELBY COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS F.A.S. 651 / C.H. 14		F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
HAMPTON, LENZINI AND RENWICK, INC. 3048 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62761	PLOT SCALE =	DRAWN - T.W.K.	REVISED -		651	13-00125-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	24			
ILLINOIS PROFESSIONAL DESIGN FIRM L3/P/E/SE CORP. 184-000059	PLOT DATE = 4/17/2015	CHECKED - J.W.F.	REVISED -		SCALE: 5H:2V		SHEET NO. 11 OF 30 SHEETS		STA. 184+00.00 TO STA. 184+00.00		CONTRACT NO. 95769	
		DATE - 04/17/15	REVISED -		ILLINOIS FED. AID PROJECT BRS-0651(08)							



DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
REPLACED	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
REPLACED	
AREAS CHECKED	
NO.	

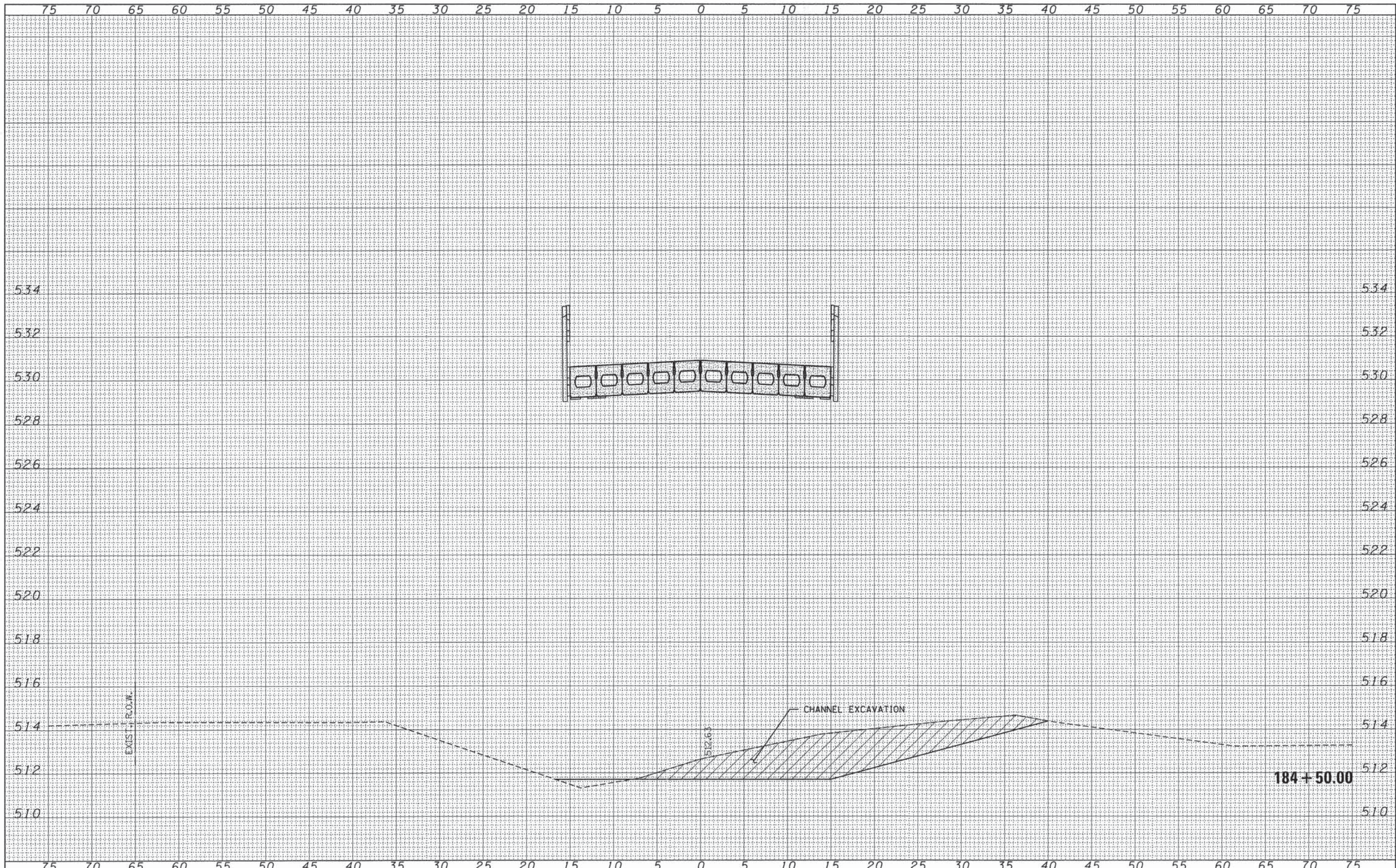
FILE NAME = 130257-sht-axs-secBR.dgn
HAMPTON, LENZINI AND RENWICK, INC.
 3083 STEVENSON DRIVE, SUITE 201
 SPRINGFIELD, ILLINOIS 62761
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184-000989

USER NAME =	DESIGNED - L.F.S.	REVISED -
	DRAWN - T.W.K.	REVISED -
PLOT SCALE =	CHECKED - J.W.F.	REVISED -
PLOT DATE = 4/17/2015	DATE - 04/17/15	REVISED -

STATE OF ILLINOIS
FAYETTE /SHELBY COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS
F.A.S. 651 / C.H. 14
 SCALE: 5H:2V SHEET NO. 12 OF 30 SHEETS STA. 184+25.00 TO STA. 184+25.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
651	13-00125-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	25
CONTRACT NO. 95769				
ILLINOIS FED. AID PROJECT BRS-06511081				



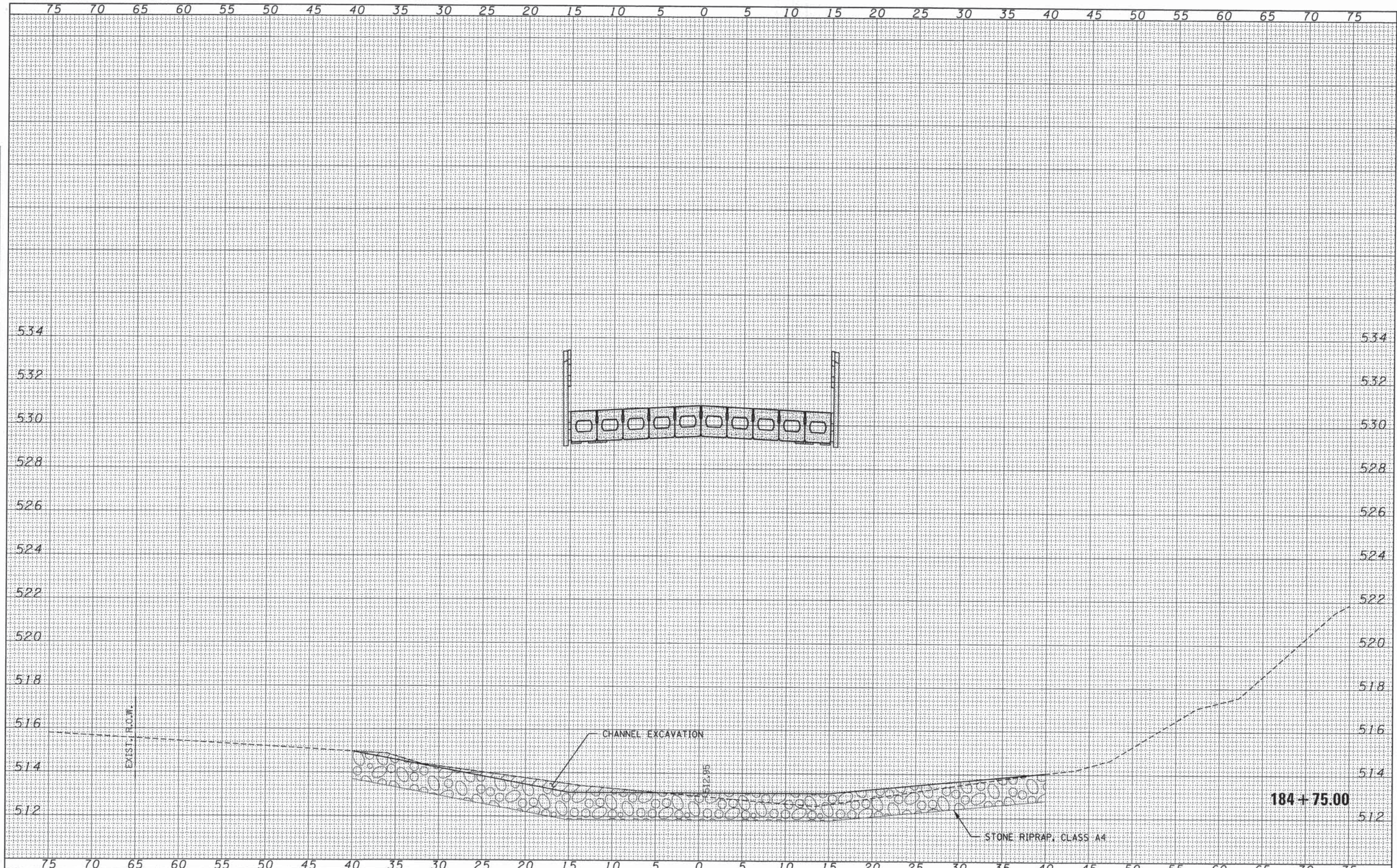
DATE	
BY	
FINAL SURVEY	
SURVEYED	
PLOTTED	
DATE	
NOTE BOOK	
NO.	
AREAS CHECKED	

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

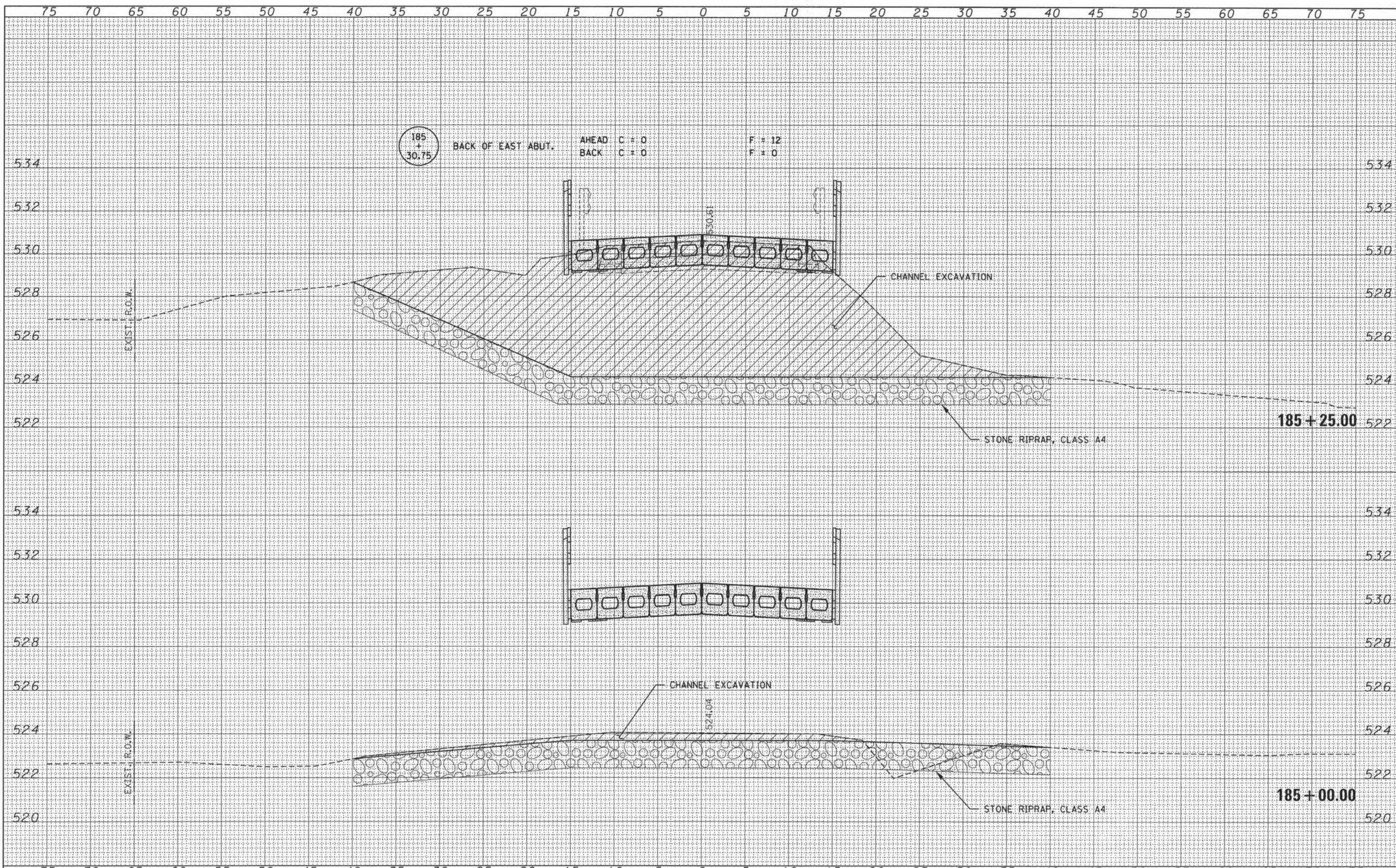
FILE NAME = 138257-sht-xxs-secBR.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -	STATE OF ILLINOIS FAYETTE /SHELBY COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS F.A.S. 651 / C.H. 14		F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62779	PLOT SCALE =	DRAWN - T.W.K.	REVISED -		651	13-00125-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	26		
ILLINOIS PROFESSIONAL DESIGN FIRM L3 / PE / SE CORP. 184.000000	PLOT DATE = 4/17/2015	CHECKED - J.W.F.	REVISED -		CONTRACT NO. 95769			(ILLINOIS) FED. AID PROJECT BR5-0651(10B)			
		DATE - 04/17/15	REVISED -		SCALE: 5H:2V	SHEET NO. 13 OF 30 SHEETS	STA. 184+50.00 TO STA. 184+50.00				

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

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



FILE NAME = 130257-sht-xxx-secBR.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -	STATE OF ILLINOIS FAYETTE /SHELBY COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS F.A.S. 651 / C.H. 14		F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - T.W.K.	REVISED -		651	13-00125-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	27			
3668 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62761	PLOT SCALE =	CHECKED - J.W.F.	REVISED -		SCALE: 5H:2V		SHEET NO. 14 OF 30 SHEETS		STA. 184+75.00 TO STA. 184+75.00		CONTRACT NO. 95769	
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184-000893	PLOT DATE = 4/17/2015	DATE - 04/17/15	REVISED -		ILLINOIS FED. AID PROJECT BRS-065(108)							



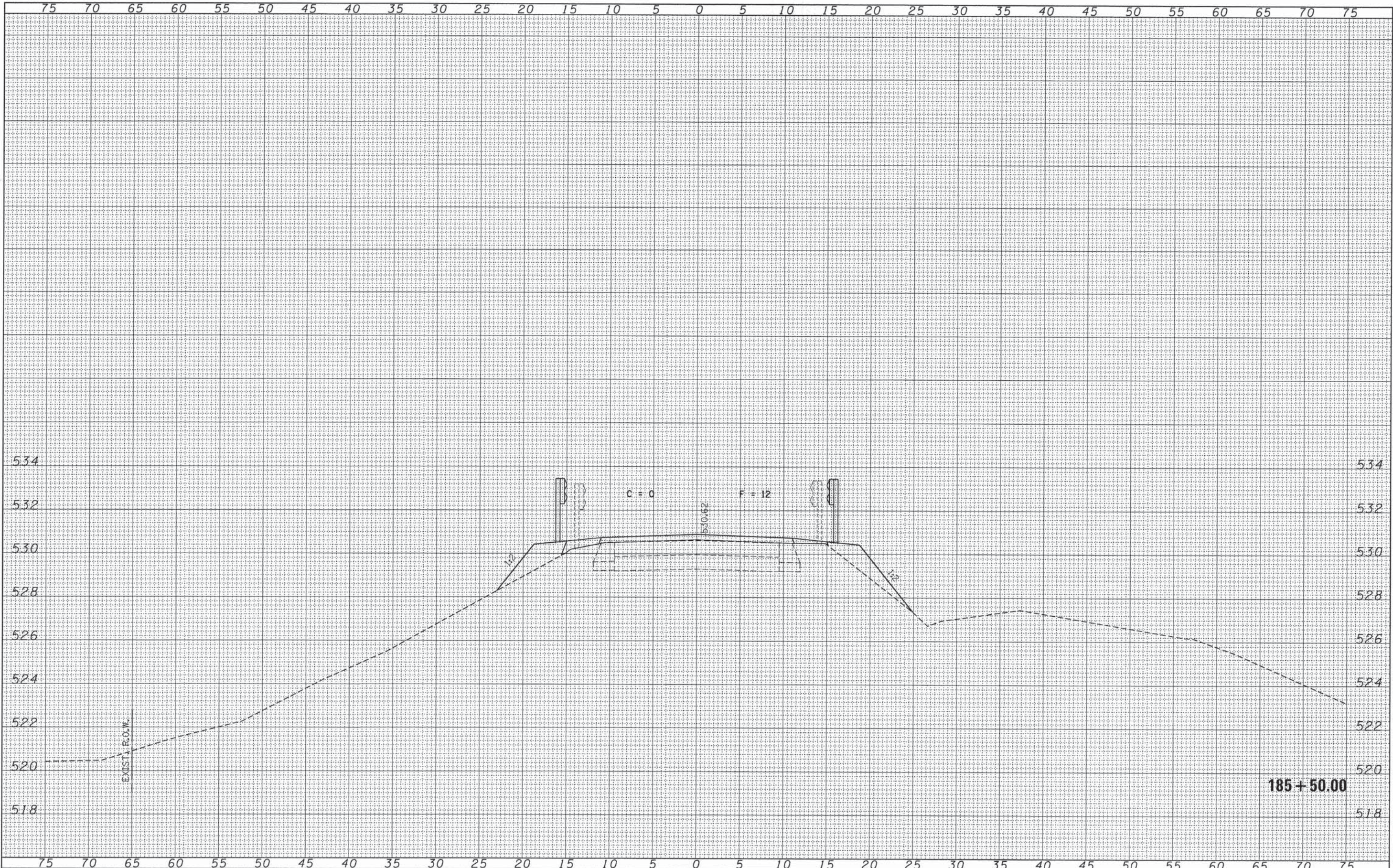
DATE	
BY	
FINAL SURVEY	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
AREAS CHECKED	
NO.	

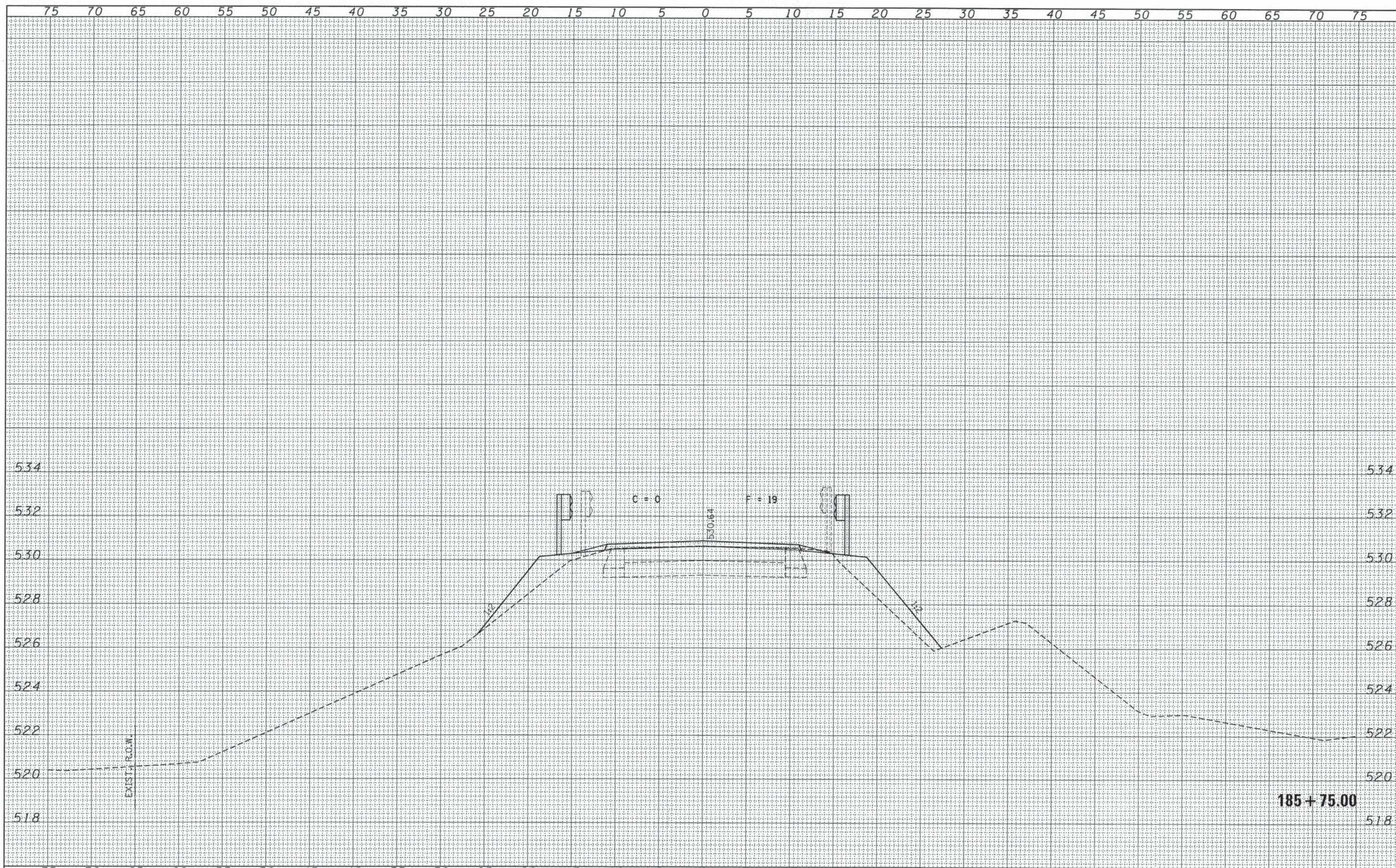
FILE NAME = 138257-sht-swa-secBR.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
HAMPTON, LENZINI AND RENWICK, INC. <small>3008 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62793</small>				STATE OF ILLINOIS FAYETTE / SHELBY COUNTY HIGHWAY DEPARTMENT				STATION CROSS SECTIONS F.A.S. 651 / C.H. 14	
PLOT SCALE =		CHECKED - J.W.F.	REVISED -	651	13-00125-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	28	
PLOT DATE = 4/17/2015		DATE - 04/17/15	REVISED -	CONTRACT NO. 95769					
SCALE: 5H:2V				SHEET NO. 15 OF 30 SHEETS		STA. 185+00.00 TO STA. 185+25.00		[ILLINOIS] FED. AID PROJECT BR5-06511(08)	

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

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



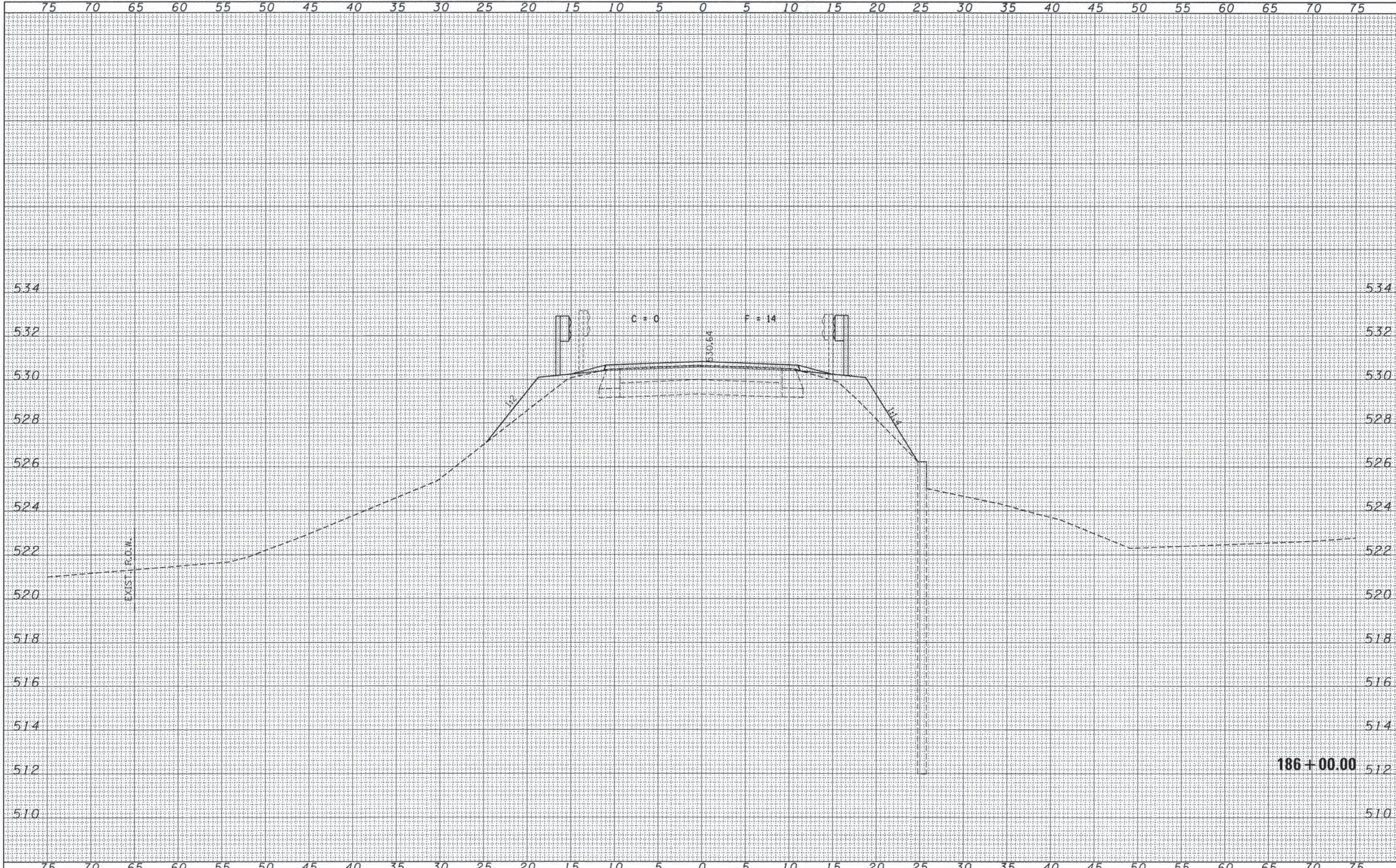
FILE NAME = 138257-shr-axs-secBR.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -	STATE OF ILLINOIS FAYETTE /SHELBY COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS F.A.S. 651 / C.H. 14		F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - T.W.K.	REVISED -		651	13-0025-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	29		
388 STEVENSON DRIVE, SUITE 201		CHECKED - J.W.F.	REVISED -		CONTRACT NO. 95769						
SPRINGFIELD, ILLINOIS 62708		DATE - 04/17/15	REVISED -		ILLINOIS FED. AID PROJECT BRS-0651(108)						
ILLINOIS PROFESSIONAL DESIGN FIRM				SCALE: 5H:2V	SHEET NO. 16 OF 30 SHEETS	STA. 185+50.00 TO STA. 185+50.00					



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

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

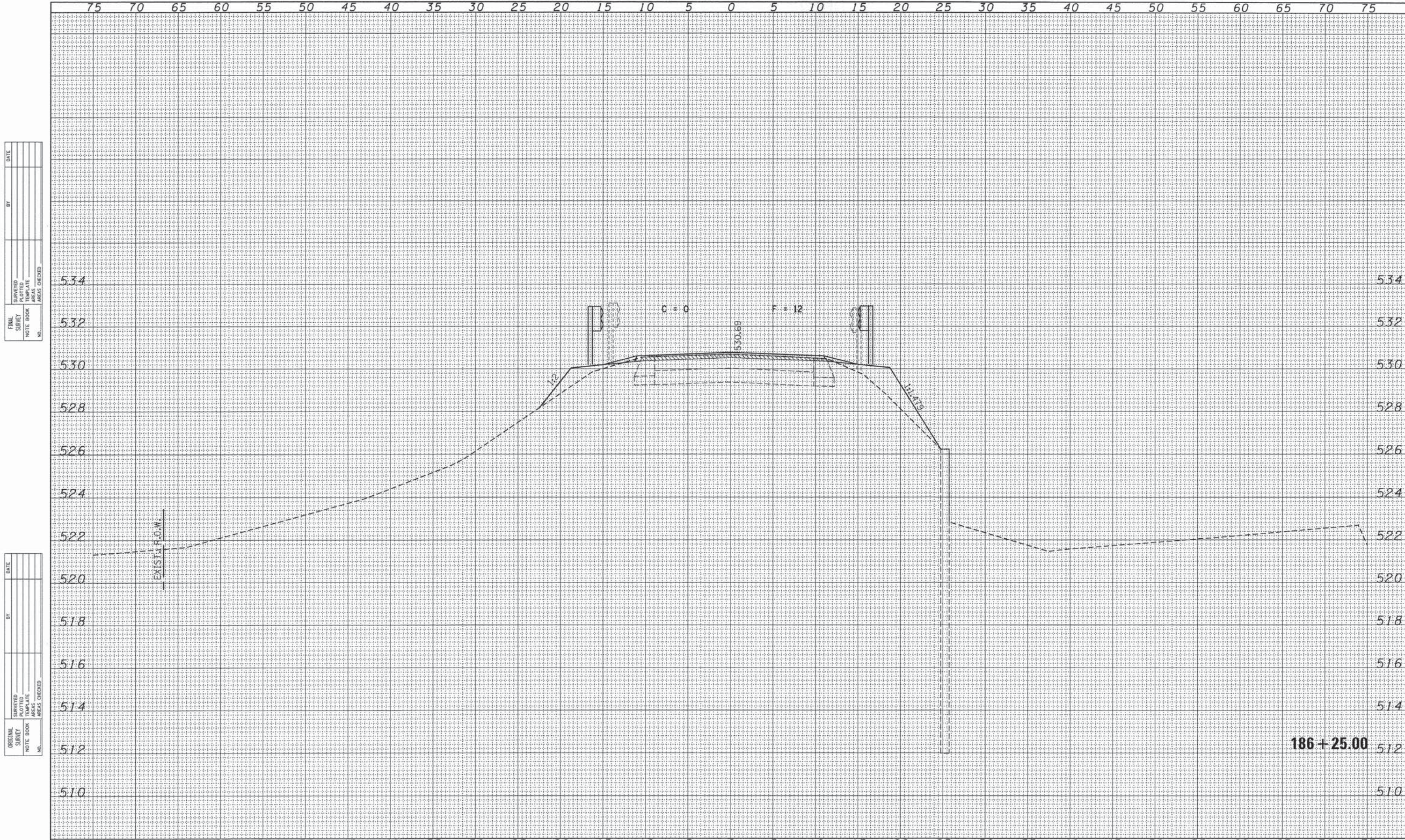
FILE NAME = 130257-sht-55s-secBR.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -	STATE OF ILLINOIS FAYETTE /SHELBY COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS F.A.S. 651 / C.H. 14		F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
HAMPTON, LENZINI AND RENWICK, INC. 308 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62781		DRAWN - T.W.K.	REVISED -		651	13-0025-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	30			
ILR ILLINOIS PROFESSIONAL DESIGN FIRM 13 / FB / SE CORP. 184.000009	PLOT SCALE =	CHECKED - J.W.F.	REVISED -		SCALE: 5H:2V			SHEET NO. 17 OF 30 SHEETS STA. 185+75.00 TO STA. 185+75.00			CONTRACT NO. 95769	
	PLOT DATE = 4/17/2015	DATE - 04/17/15	REVISED -		ILLINOIS FED. AID PROJECT BR5-0651(08)							



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

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

FILE NAME = 130257-shf-sss-secBR.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -	STATE OF ILLINOIS FAYETTE / SHELBY COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS F.A.S. 651 / C.H. 14	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
HAMPTON, LENZINI AND RENWICK, INC. 308 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62761	PLOT SCALE =	DRAWN - T.W.K.	REVISED -			651	13-0025-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	31	
ILLINOIS PROFESSIONAL DESIGN FIRM 15 / PE / SE CORP. 184-000009	PLOT DATE = 4/17/2015	CHECKED - J.W.F.	REVISED -			CONTRACT NO. 95769					
		DATE - 04/17/15	REVISED -			ILLINOIS FED. AID PROJECT BRS-0651(108)					
						SCALE: 5H:2V	SHEET NO. 18 OF 30 SHEETS	STA. 186+00.00 TO STA. 186+00.00			



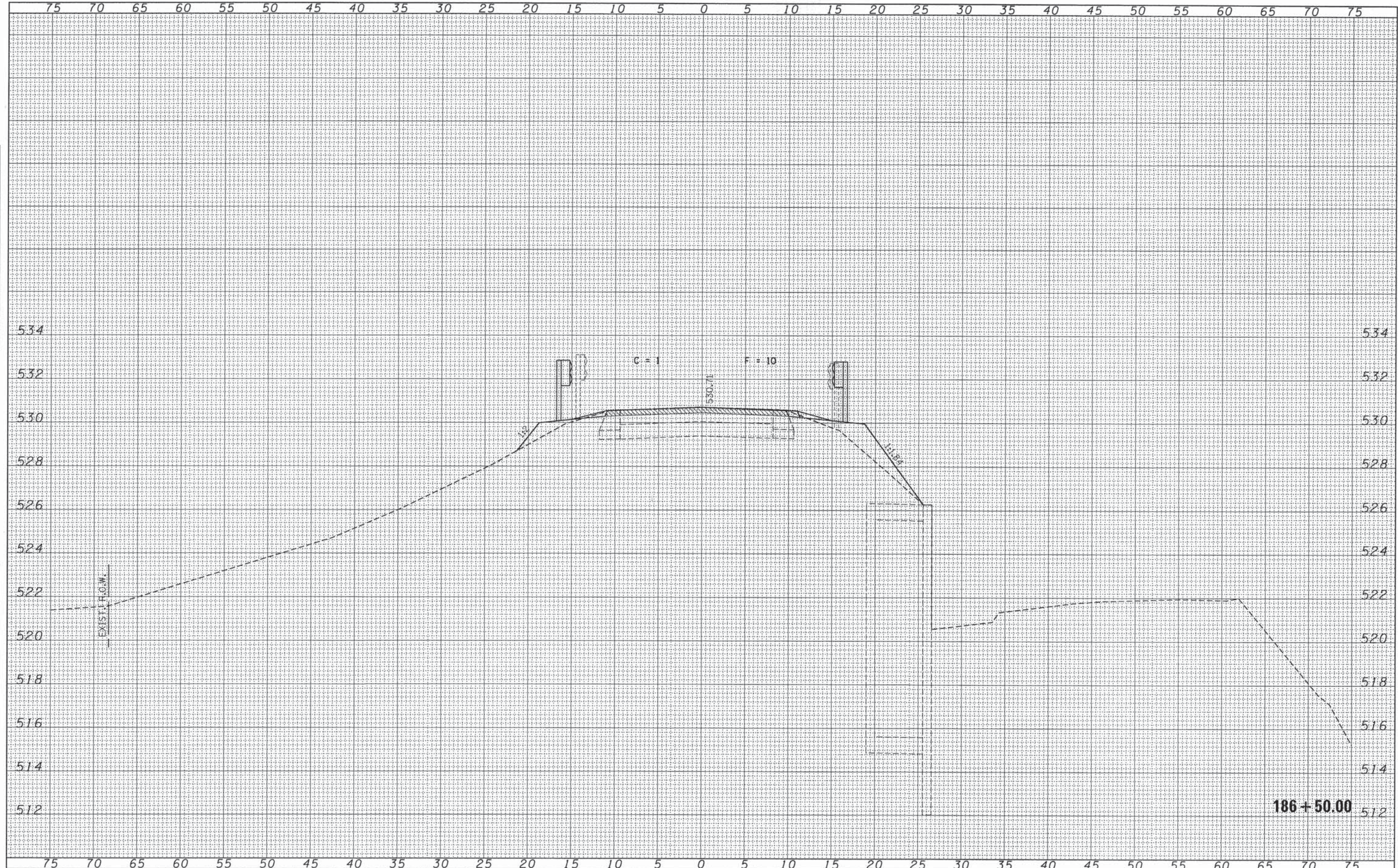
DATE: _____ BY: _____
 SURVEYED: _____ PLOTTED: _____
 ORIGINAL SURVEY: _____ FINISHED: _____
 NOTE BOOK NO.: _____ AREAS CHECKED: _____
 NO.: _____

DATE: _____ BY: _____
 SURVEYED: _____ PLOTTED: _____
 ORIGINAL SURVEY: _____ FINISHED: _____
 NOTE BOOK NO.: _____ AREAS CHECKED: _____
 NO.: _____

FILE NAME = 138257-5ht-xxx-secBR.dgn HAMPTON, LENZINI AND RENWICK, INC. 3055 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62783 ILLINOIS PROFESSIONAL DESIGN FIRM L8 / P8 / B8 CORP. 184.000000	USER NAME = PLOT SCALE = PLOT DATE = 4/17/2015	DESIGNED - L.F.S. DRAWN - T.W.K. CHECKED - J.W.F. DATE - 04/17/15	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS FAYETTE / SHELBY COUNTY HIGHWAY DEPARTMENT		STATION CROSS SECTIONS F.A.S. 651 / C.H. 14			F.A.S. SECTION COUNTY TOTAL SHEETS SHEET NO. 651 13-00125-00-BR / 14-00280-00-BR FAYETTE / SHELBY 58 32 CONTRACT NO. 95769	SCALE: 5H:2V SHEET NO. 19 OF 30 SHEETS STA. 186+25.00 TO STA. 186+25.00 (ILLINOIS) FED. AID PROJECT BRS-0651(108)
---	--	--	--	---	--	--	--	--	---	--

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

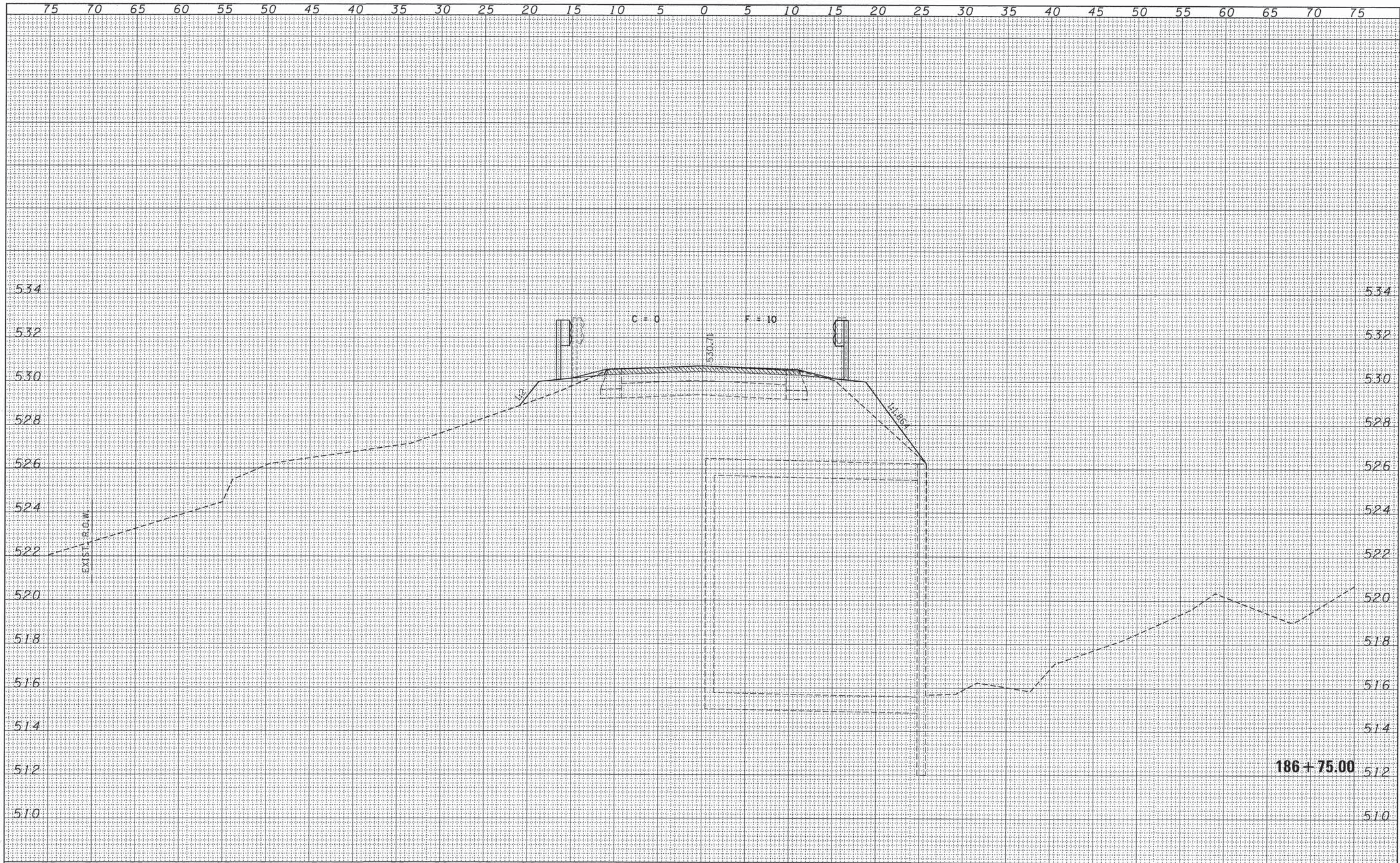
DATE	
BY	
ORIGINAL SURVEY	
NOTED SURVEY	
NOTE BOOK	
AREAS CHECKED	
NO.	



FILE NAME = 138257-shr-axs-seoBR.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -	<p align="center">STATE OF ILLINOIS FAYETTE /SHELBY COUNTY HIGHWAY DEPARTMENT</p> <p align="center">STATION CROSS SECTIONS F.A.S. 651 /C.H. 14</p> <p>SCALE: 5H:2V SHEET NO. 20 OF 30 SHEETS STA. 186+50.00 TO STA. 186+50.00</p>	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3843 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE =	DRAWN - T.W.K.	REVISED -		651	13-00125-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	33
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT DATE = 4/17/2015	CHECKED - J.W.F.	REVISED -		CONTRACT NO. 95769				
		DATE - 04/17/15	REVISED -		ILLINOIS FED. AID PROJECT BRS-0651(108)				

DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



FILE NAME = 138257-shr-axs-secBR.dgn
 HAMPTON, LENZINI AND RENWICK, INC.
 305 STEVENSON DRIVE, SUITE 201
 SPRINGFIELD, ILLINOIS 62708
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184.000999

USER NAME =
 PLOT SCALE =
 PLOT DATE = 4/17/2015

DESIGNED - L.F.S.
 DRAWN - T.W.K.
 CHECKED - J.W.F.
 DATE - 04/17/15

REVISED -
 REVISED -
 REVISED -
 REVISED -

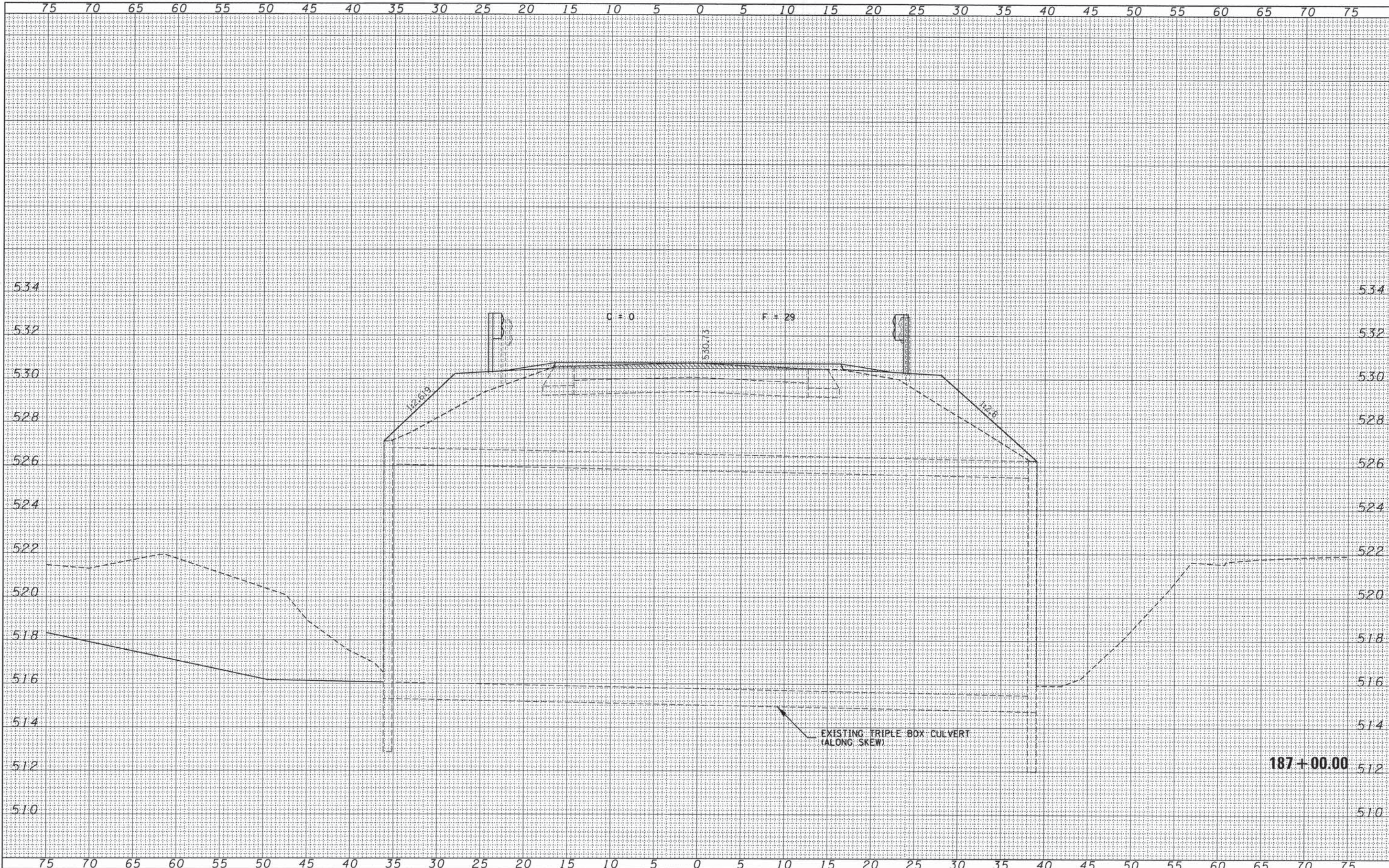
STATE OF ILLINOIS
 FAYETTE / SHELBY COUNTY HIGHWAY DEPARTMENT

SCALE: 5H:2V

STATION CROSS SECTIONS
 F.A.S. 651 / C.H. 14

SHEET NO. 21 OF 30 SHEETS STA. 186+75.00 TO STA. 186+75.00

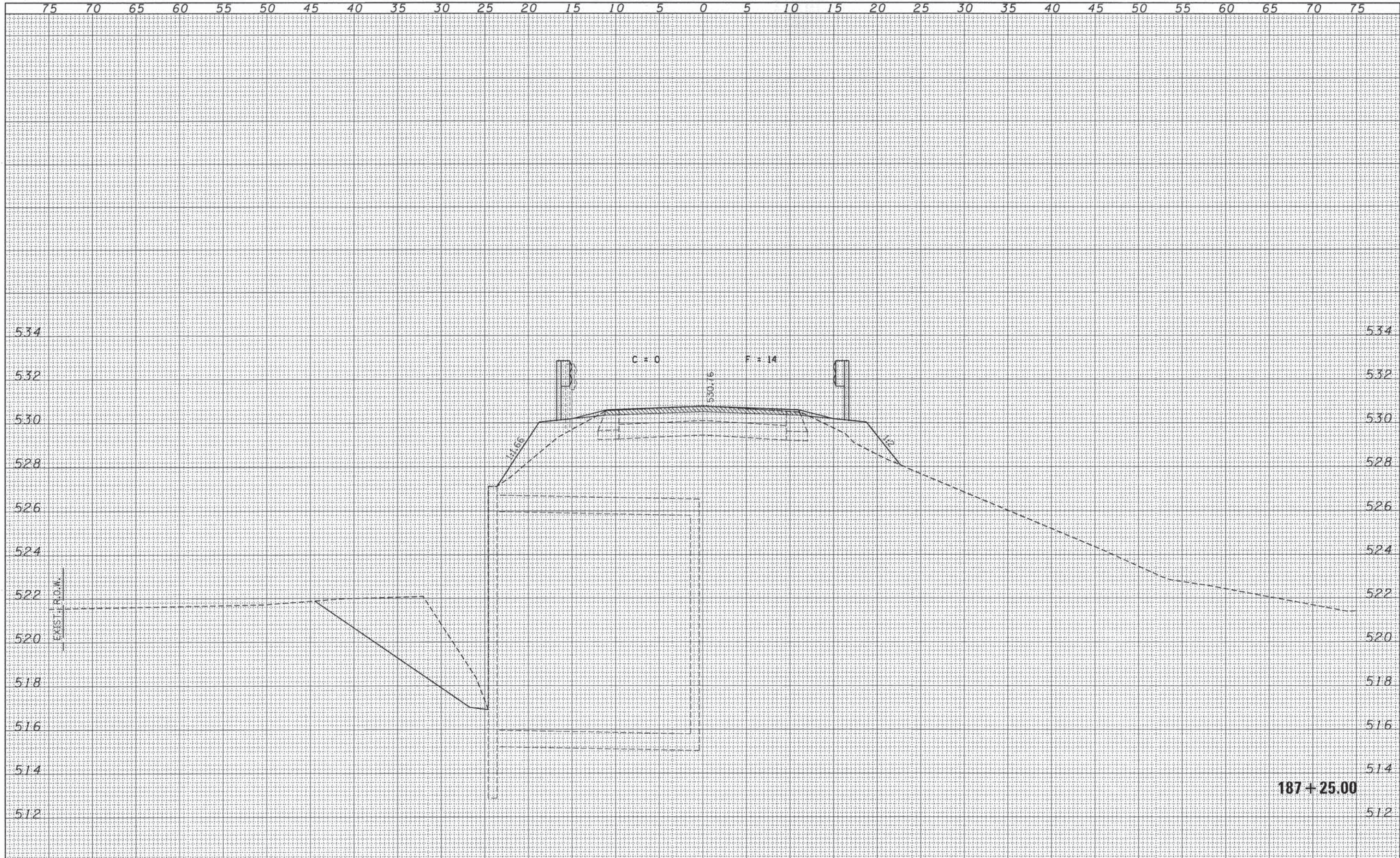
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
651	13-0025-00-BR / 14-0028-00-BR	FAYETTE / SHELBY	58	34
CONTRACT NO. 95769			ILLINOIS FED. AID PROJECT BRS-0651(10B)	



DATE	
BY	
FINISHED SURVEY	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

FILE NAME = 138257-shr-ava-secBR.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -	STATE OF ILLINOIS FAYETTE /SHELBY COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS F.A.S. 651 / C.H. 14		F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
HAMPTON, LENZINI AND RENWICK, INC. 3048 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62709	PLOT SCALE =	DRAWN - T.W.K.	REVISED -		651	13-00125-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	35			
ILLINOIS PROFESSIONAL DESIGN FIRM L3 / PE / SE CORP. 184.000899	PLOT DATE = 4/17/2015	CHECKED - J.W.F.	REVISED -		SCALE: 5H:2V			SHEET NO. 22 OF 30 SHEETS		STA. 187+00.00 TO STA. 187+00.00		CONTRACT NO. 95769
		DATE - 04/17/15	REVISED -		ILLINOIS FED. AID PROJECT BRS-0651(108)							



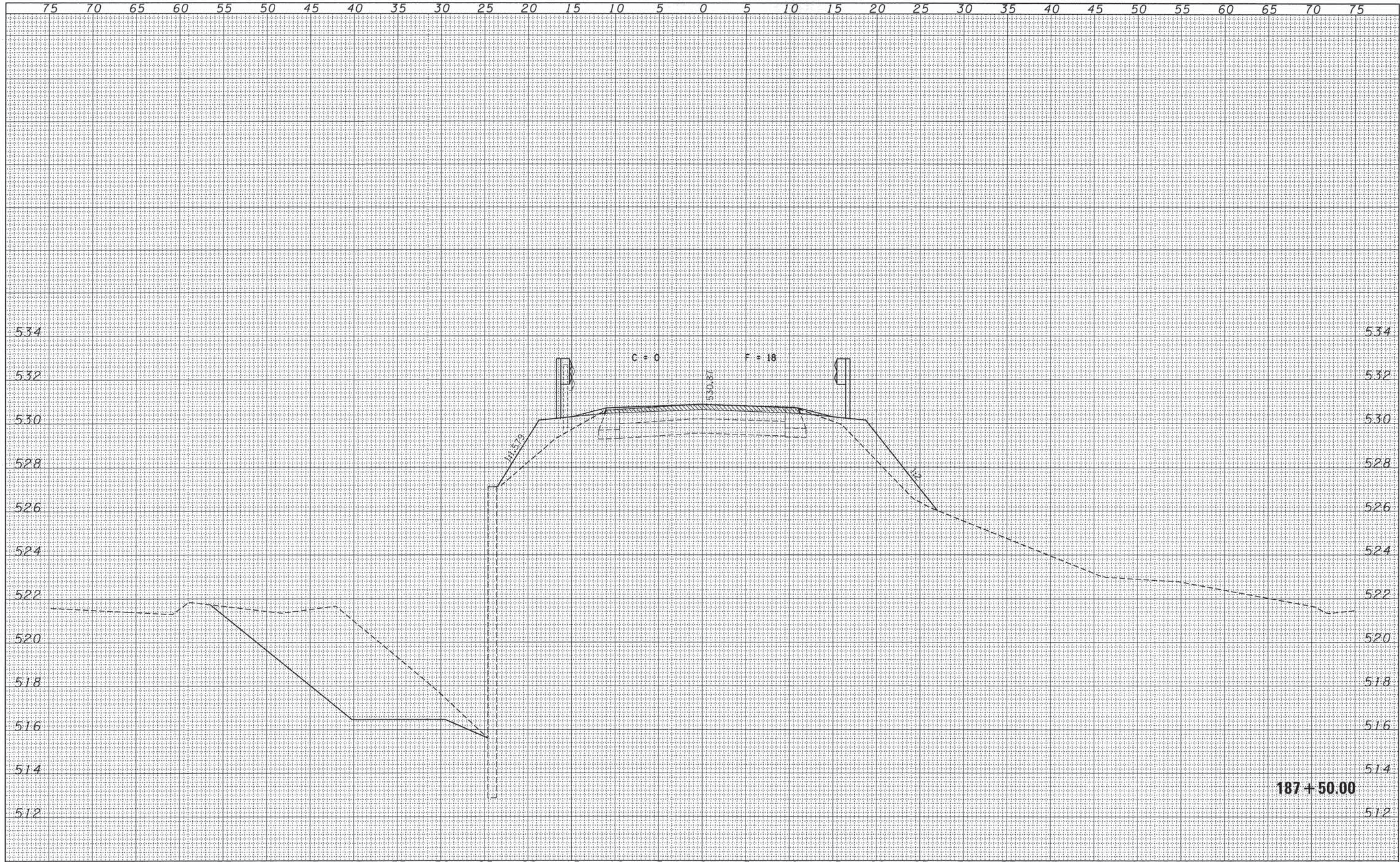
DATE	BY
FINAL SURVEY	SURVEYED
NOTE BOOK NO.	PLOTTED
	DATE
	AREAS CHECKED
	NO.

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

FILE NAME = 138257-sht-xxx-secBR.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -	STATE OF ILLINOIS FAYETTE /SHELBY COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS F.A.S. 651 / C.H. 14		F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZENI AND RENWICK, INC. 3083 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62781 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184-000999	PLOT SCALE =	DRAWN - T.W.K.	REVISED -		651	13-00125-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	36	CONTRACT NO. 95769	
PLOT DATE = 4/17/2015	DATE = 04/17/15	CHECKED - J.W.F.	REVISED -		SCALE: 5H:2V	SHEET NO. 23 OF 30 SHEETS		STA. 187+25.00 TO STA. 187+25.00		ILLINOIS FED. AID PROJECT BRS-0651(08)	
		DATE - 04/17/15	REVISED -								

DATE	
BY	
FINISHED SURVEY	
REVISIONS	
NOTE BOOK	
AREAS CHECKED	
NO.	

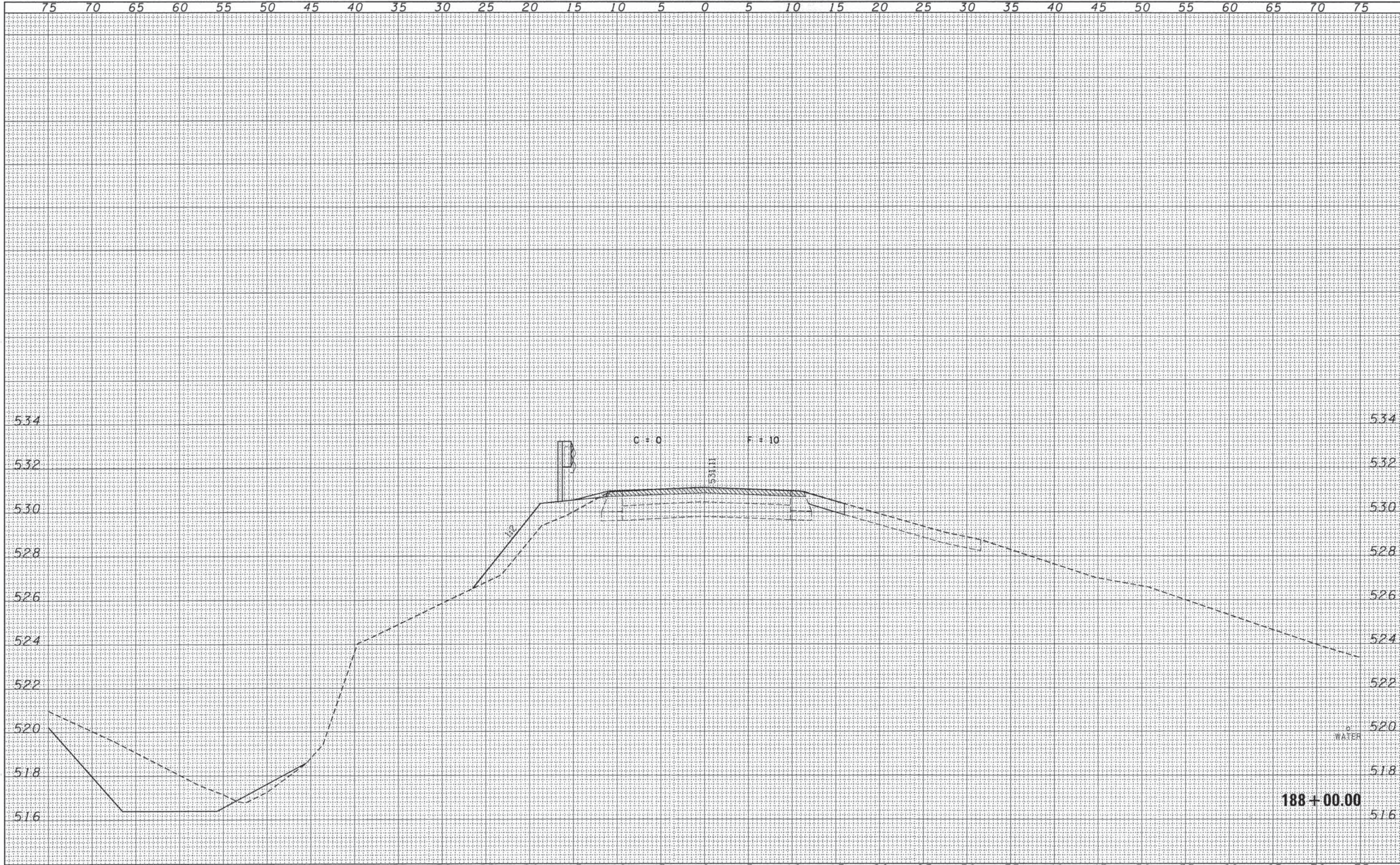
DATE	
BY	
ORIGINAL SURVEY	
REVISIONS	
NOTE BOOK	
AREAS CHECKED	
NO.	



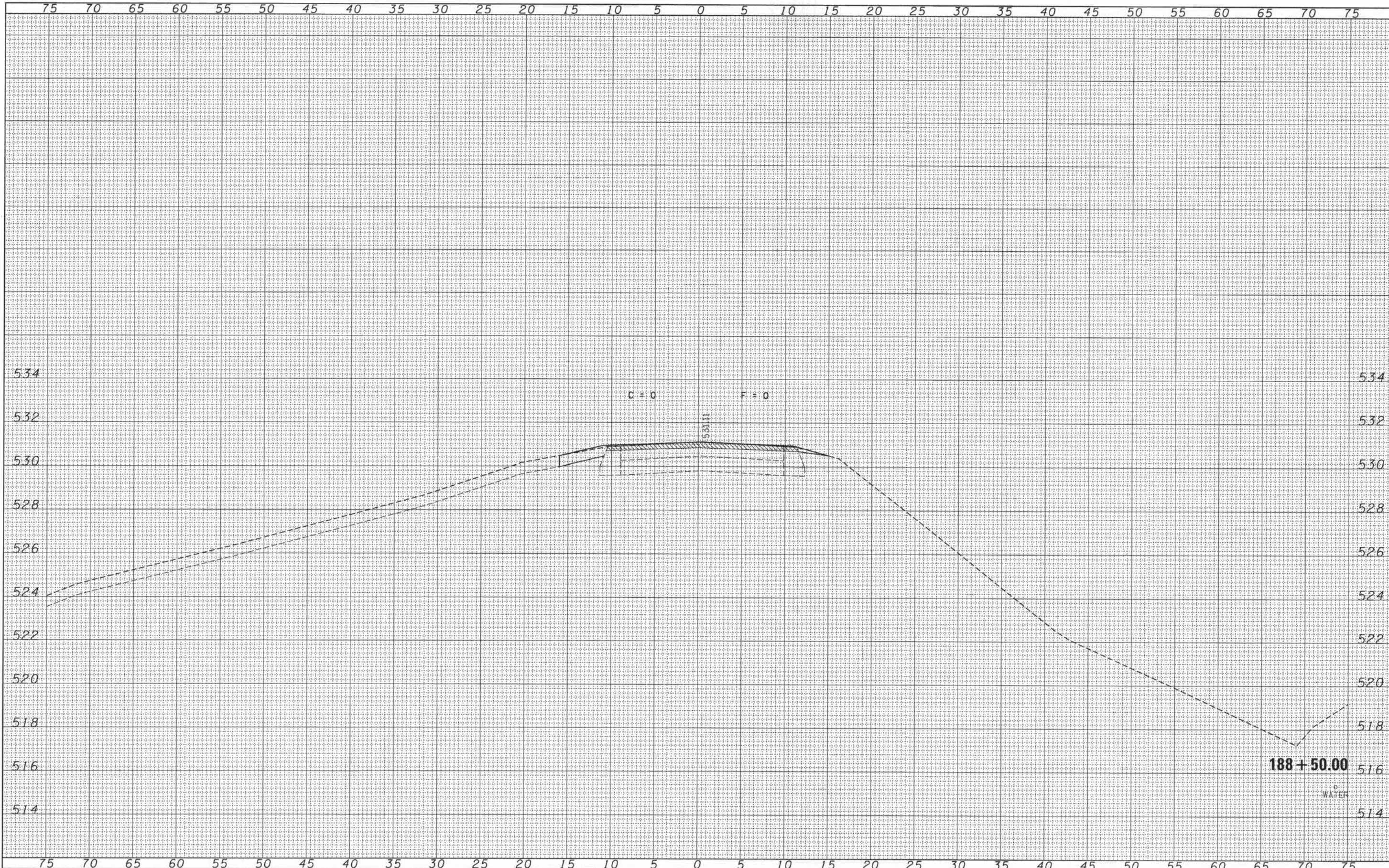
FILE NAME = 130257-shr-xxx-secBR.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -	STATE OF ILLINOIS FAYETTE / SHELBY COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS F.A.S. 651 / C.H. 14		F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - T.W.K.	REVISED -		651	13-00125-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	37		
208 STEVENSON DRIVE, SUITE 301 SPRINGFIELD, ILLINOIS 62761		CHECKED - J.W.F.	REVISED -		CONTRACT NO. 95769						
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184-000009		DATE - 04/17/15	REVISED -		SCALE: 5H:2V	SHEET NO. 24 OF 30 SHEETS	STA. 187+50.00 TO STA. 187+50.00	ILLINOIS FED. AID PROJECT BRS-0651(00B)			

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

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



FILE NAME = 130257-ahf-sve-seeBR.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -	STATE OF ILLINOIS FAYETTE /SHELBY COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS F.A.S. 651 / C.H. 14		F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - T.W.K.	REVISED -		651	13-00125-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	38		
3008 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62761	PLOT SCALE =	CHECKED - J.W.F.	REVISED -		CONTRACT NO. 95769						
ILLINOIS PROFESSIONAL DESIGN FIRM L3 / PE / SE CORP. 184.000959	PLOT DATE = 4/17/2015	DATE - 04/17/15	REVISED -		SCALE: 5H:2V	SHEET NO. 25 OF 30 SHEETS	STA. 188+00.00 TO STA. 188+00.00	ILLINOIS FED. AID PROJECT BRS-06511081			



DATE	
BY	
FINISHED SURVEY	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

FILE NAME = 138257-shr-ava-sacBR.dgn
 HAMPSON, LENZINI AND RENWICK, INC.
 3088 STEVENSON DRIVE, SUITE 201
 SPRINGFIELD, ILLINOIS 62703
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LB / PE / SE CORP. 184-000959

USER NAME =
 PLOT SCALE =
 PLOT DATE = 4/17/2015

DESIGNED - L.F.S.
 DRAWN - T.W.K.
 CHECKED - J.W.F.
 DATE - 04/17/15

REVISOR -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 FAYETTE /SHELBY COUNTY HIGHWAY DEPARTMENT

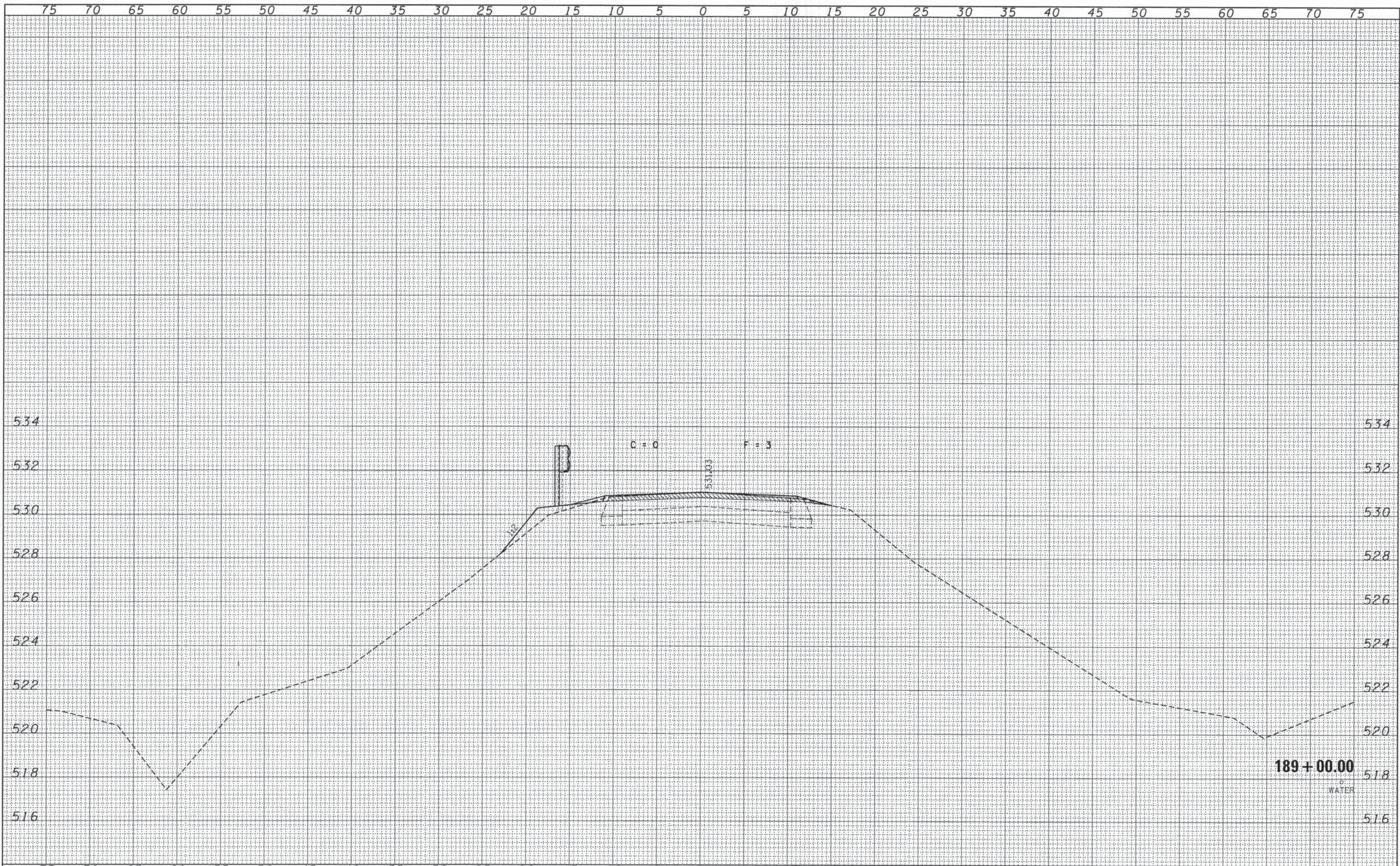
SCALE: 5H:2V
 SHEET NO. 26 OF 30 SHEETS
 STA. 188+50.00 TO STA. 188+50.00

STATION CROSS SECTIONS
 F.A.S. 651 / C.H. 14

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
651	13-00125-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	39
CONTRACT NO. 95769				ILLINOIS FED. AID PROJECT BRS-0651(108)

DATE	
BY	
FINAL SURVEY	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

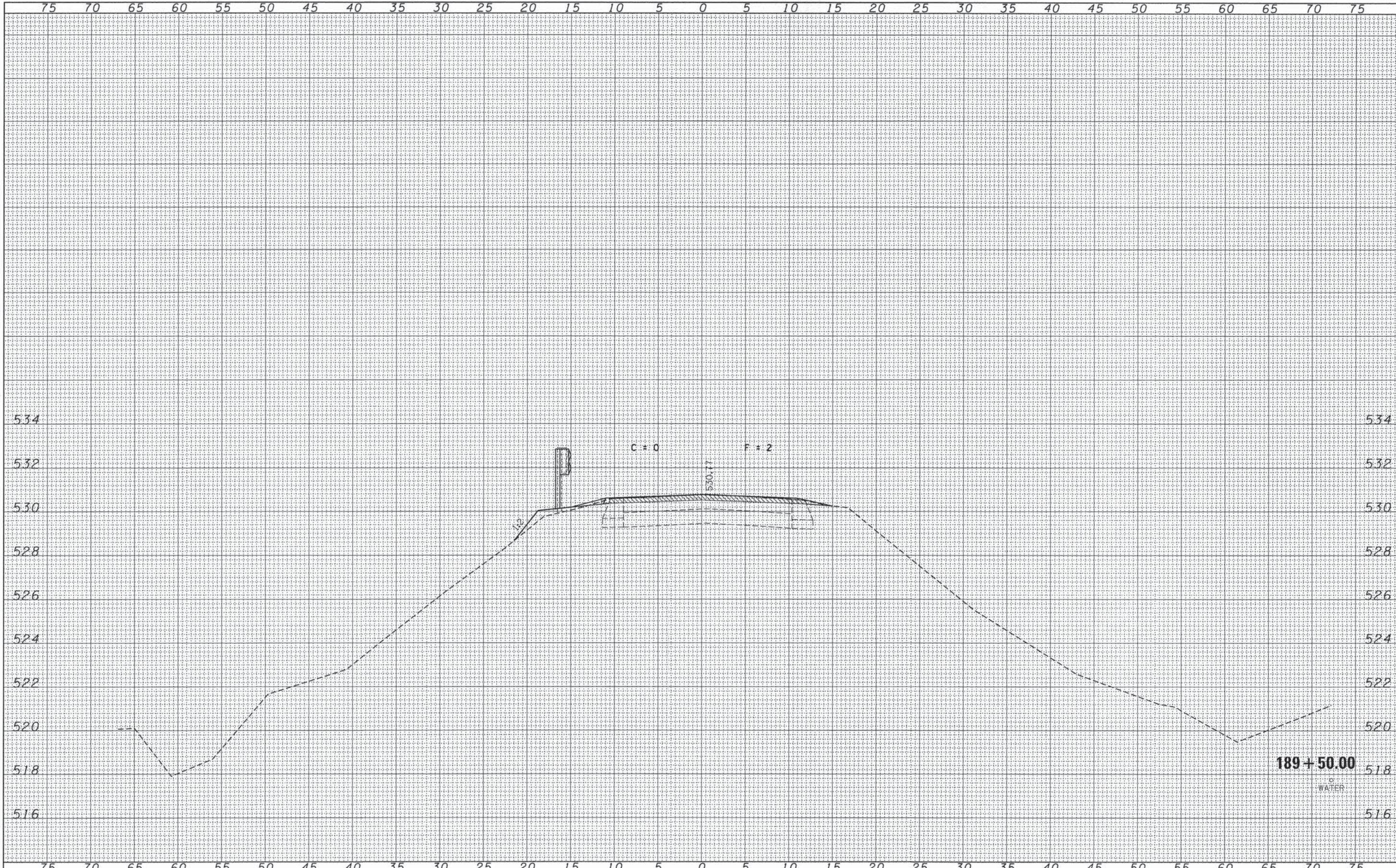
DATE	
BY	
ORIGINAL SURVEY	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



FILE NAME = 138257-shr-axa-secBR.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -	STATE OF ILLINOIS FAYETTE / SHELBY COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS F.A.S. 651 / C.H. 14		F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 308 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62709	PLOT SCALE =	DRAWN - T.W.K.	REVISED -		651	13-0025-00-BR / 14-0028-00-BR	FAYETTE / SHELBY	58	40		
ILR ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184-00099	PLOT DATE = 4/17/2015	CHECKED - J.W.F.	REVISED -		SCALE: 5H:2V		SHEET NO. 27 OF 30 SHEETS		STA. 189+00.00 TO STA. 189+00.00	CONTRACT NO. 95769	
		DATE - 04/17/15	REVISED -						ILLINOIS FED. AID PROJECT BRS-0651(108)		

DATE	
BY	
FINISHED SURVEY	
NOTE BOOK	
NO.	

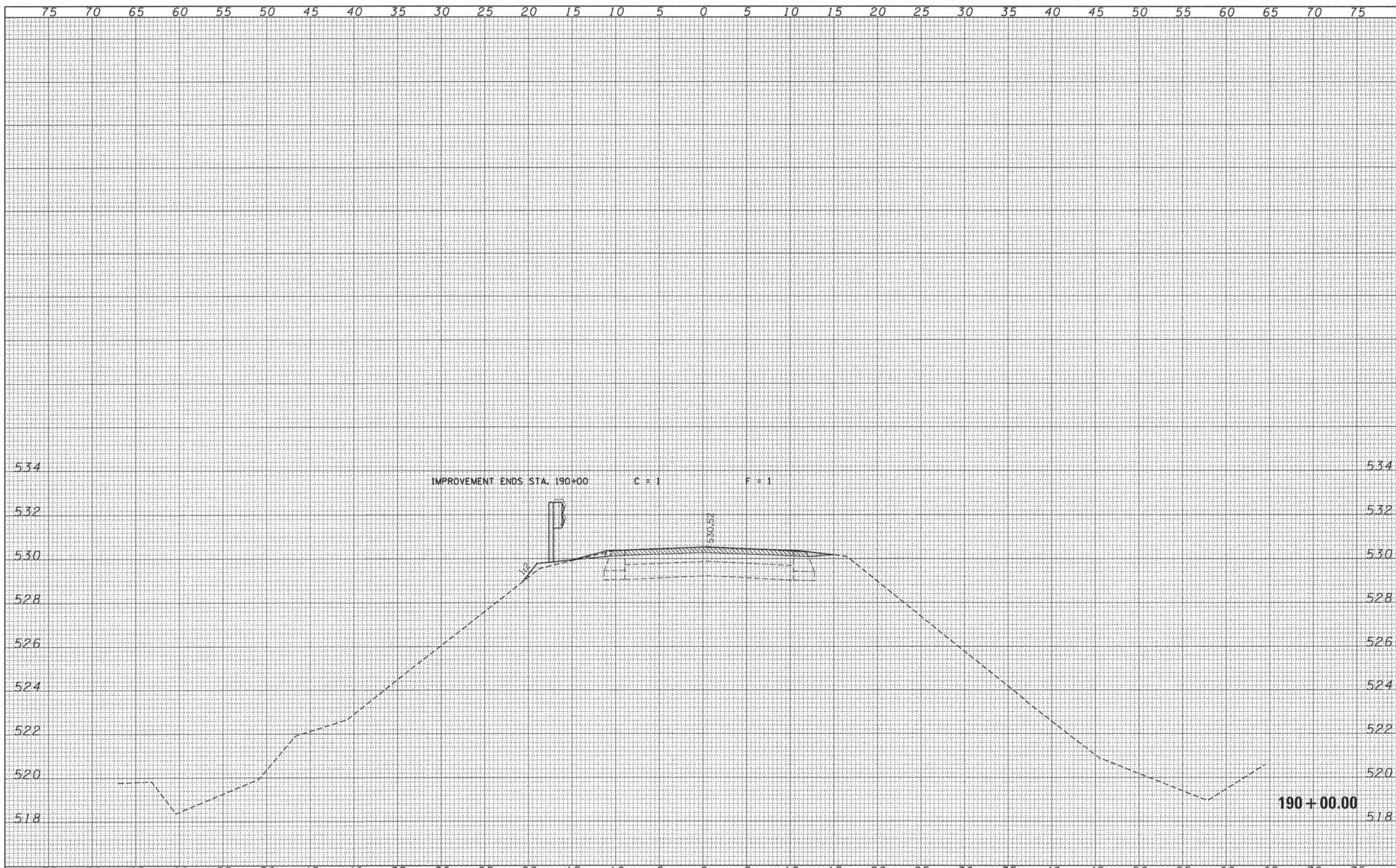
DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	



FILE NAME = 138257-sht-axs-secBR.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -	STATE OF ILLINOIS FAYETTE /SHELBY COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS F.A.S. 651 / C.H. 14		F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3038 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62718	PLOT SCALE =	DRAWN - T.W.K.	REVISED -		651	13-00125-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	41		
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000009	PLOT DATE = 4/17/2015	CHECKED - J.W.F.	REVISED -		CONTRACT NO. 95769						
		DATE - 04/17/15	REVISED -		SCALE: 5H:2V	SHEET NO. 28 OF 30 SHEETS	STA. 189+50.00 TO STA. 189+50.00	ILLINOIS FED. AID PROJECT BRS-065(108)			

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

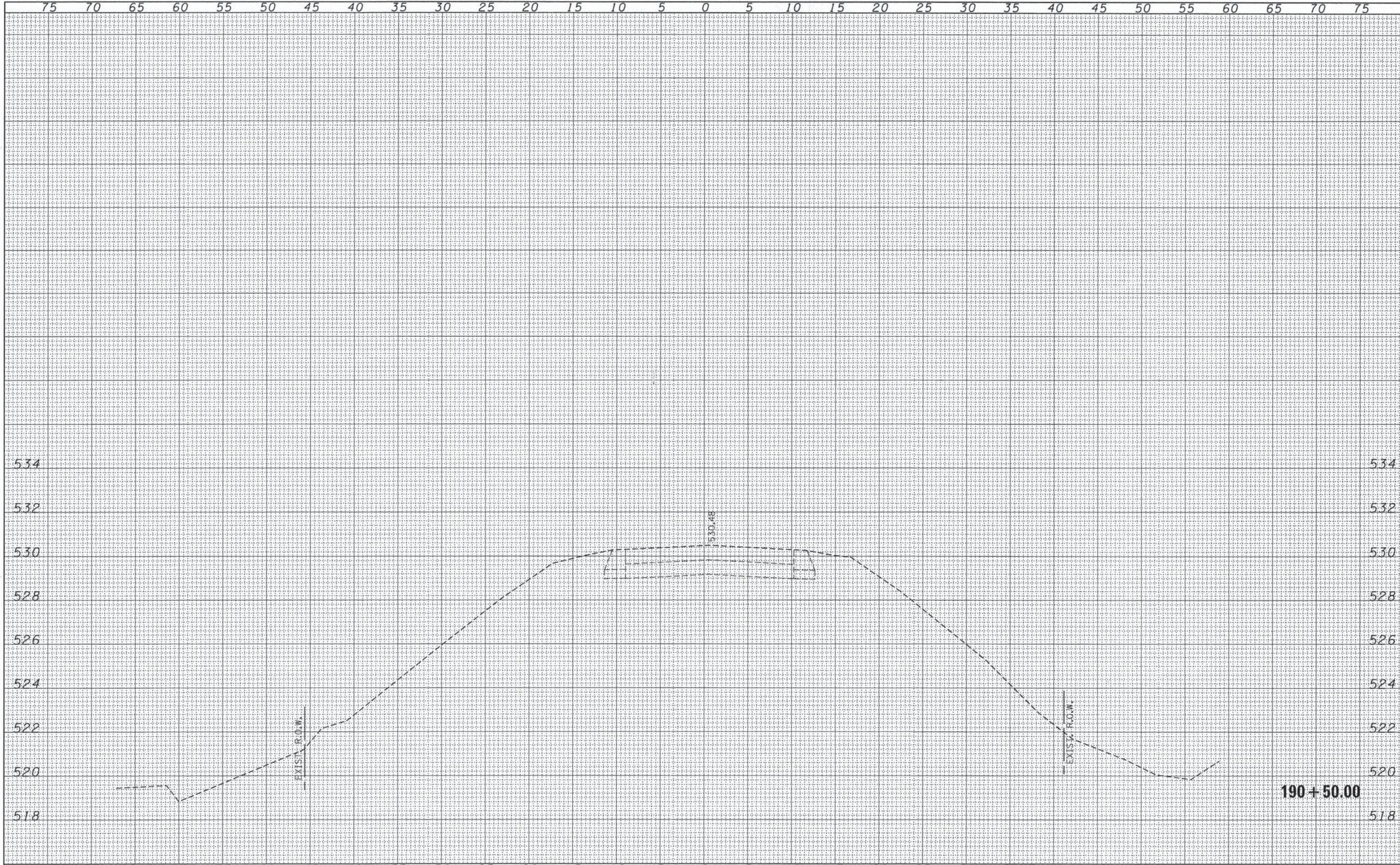
DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



FILE NAME = 138257-sht-axs-secBR.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -	STATE OF ILLINOIS FAYETTE /SHELBY COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS F.A.S. 651 / C.H. 14		F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
HAMPTON, LENZINI AND RENWICK, INC. 308 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62761	PLOT SCALE =	DRAWN - T.W.K.	REVISED -		651	13-00125-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	42			
ILLINOIS PROFESSIONAL DESIGN FIRM L3 / P6 / SE CORP. 184.000009	PLOT DATE = 4/17/2015	CHECKED - J.W.F.	REVISED -		SCALE: 5H:2V		SHEET NO. 29 OF 30 SHEETS		STA. 190+00.00 TO STA. 190+00.00		CONTRACT NO. 95769	
		DATE - 04/17/15	REVISED -								ILLINOIS FED. AID PROJECT BR5-0651(08)	

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

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



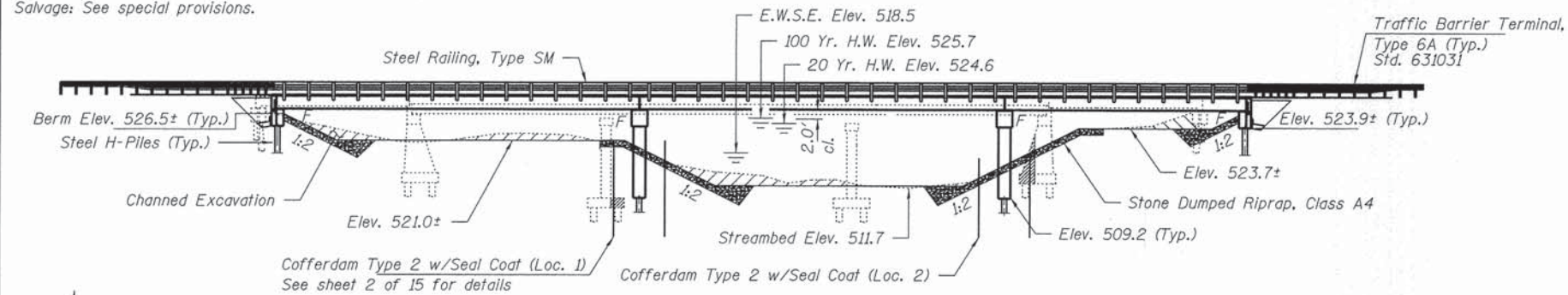
FILE NAME = 138257-sh1-sss-seeBR.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
HAMPTON, LENZINI AND RENWICK, INC. 308 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62762		DRAWN - T.W.K.	REVISED -	651	13-00125-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	43	
ILLINOIS PROFESSIONAL DESIGN FIRM 15 / PE / SE CORP. 184-00099	PLOT SCALE =	CHECKED - J.W.F.	REVISED -	CONTRACT NO. 95769					
	PLOT DATE = 4/17/2015	DATE - 04/17/15	REVISED -	SCALE: 5H:2V				SHEET NO. 30 OF 30 SHEETS	STA. 190+50.00 TO STA. 190+50.00
STATE OF ILLINOIS FAYETTE / SHELBY COUNTY HIGHWAY DEPARTMENT STATION CROSS SECTIONS F.A.S. 651 / C.H. 14									
ILLINOIS FED. AID PROJECT BRS-0651(08)									

BENCHMARK: Cross notch "X" on S.E. wingwall. 12' Rt., Sta. 185+23, Elev. 531.01.

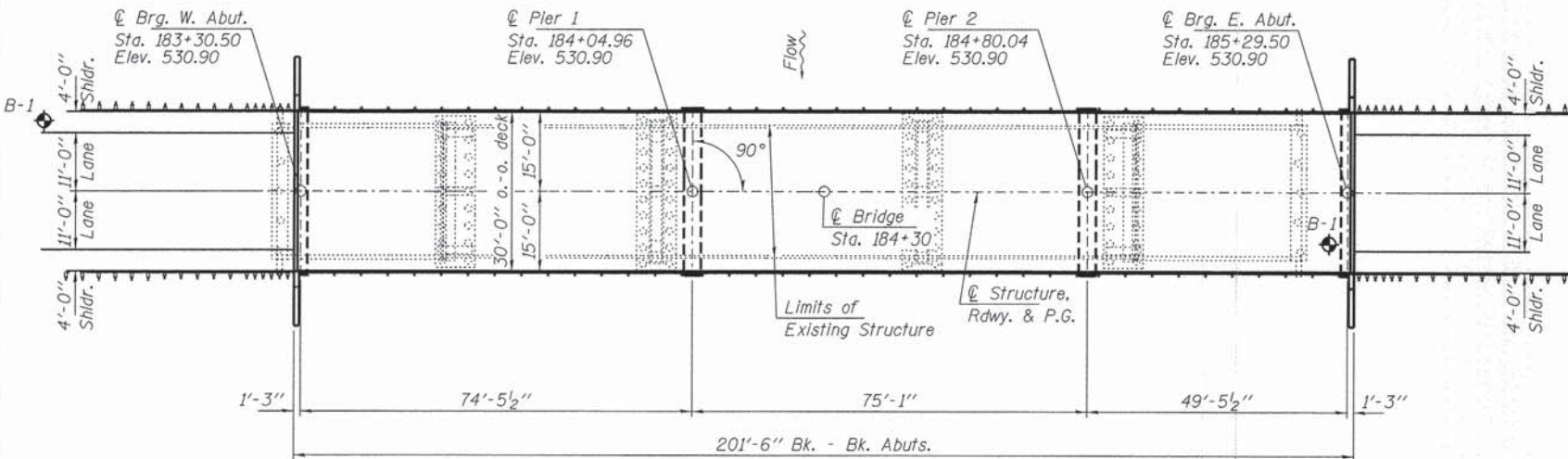
EXISTING STRUCTURE: SN 026-3261 was originally constructed in 1939, Section 26B, consisting of a three span WF beam superstructure with a concrete deck and HMA overlay on concrete column bent abutments and piers on timber pile supported spread footings. Two RC slab approach spans were constructed in 1960 on pile bent abutments. The length is 194.6' bk.-bk. and the width is 25.0' o.-o.

Structure closed to traffic during construction.

Salvage: See special provisions.



ELEVATION



PLAN

SEISMIC DATA

Seismic Performance Zone (SPZ) = 2
 Design Spectral Acceleration at 1.0 sec. (SD1) = 0.294 g
 Design Spectral Acceleration at 0.2 sec. (SDs) = 0.671 g
 Soil Site Class = E

DESIGN SPECIFICATIONS

2012 AASHTO LRFD Bridge Design Specifications, 6th Edition with all applicable Interims.

LOADING HL-93

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

DESIGN STRESSES

FIELD UNITS

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

PRECAST PRESTRESSED UNITS

f'c = 6,000 psi
 f'ci = 5,000 psi
 fpu = 270,000 psi (1/2" low lax. strands)
 fpbt = 201,960 psi (1/2" low lax. strands)
 fy = 60,000 psi (Reinf.)

	W. Abut.	Pier 1	Pier 2	E. Abut.
Q100	523.9	507.6	507.6	523.9
Q500	523.9	504.5	504.5	523.9

WATERWAY INFORMATION

		Q (C.F.S.)		Opening Sq. Ft.		Natural Head - Ft.		Headwater EL.		
Flood		Exist.	Prop.	Exist.	Prop.	H.W.E.	Exist.	Prop.	Exist.	Prop.
10	Main Channel	4472	4378	891	1051					
	Relief Struct.	1091	1185	229	229	524.08	1.05	0.94	525.13	525.02
	Total	5563	5563	112	1280					
20	Main Channel	5688	5565	942	1155					
	Relief Struct.	1232	1355	246	246	524.64	1.31	1.24	525.95	525.88
	Total	6920	6920	1218	1401					
100	Main Channel	8724	8750	1131	1356					
	Relief Struct.	1516	1490	278	278	525.71	2.00	1.92	527.71	527.63
	Total	10240	10240	1409	1635					
500	Main Channel	11973	12160	1268	1530					
	Relief Struct.	1777	1590	300	300	526.61	2.76	2.35	529.37	528.96
	Total	13750	13750	1568	1830					

I certify that to the best of my knowledge, information and belief, this bridge 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 04/17/2015
 ILLINOIS STRUCTURAL ENGINEER NO. 081-6064

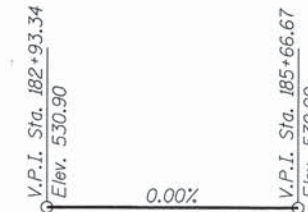


GENERAL NOTES

Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
 The Contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at the West Abutment, Pier 2, or approved by the Engineer before ordering the remainder of piles.
 Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60 (IL Modified). See Special Provisions.
 All bars to be epoxy coated.
 All proposed construction activities shall be in accordance with Nationwide Permit number 14 of the Department of the Army authorized under Section 404 of the Clean Water Act.
 The IEPA has issued Section 401 Water Quality Certification for this activity. See Special Provisions for conditions.
 Concrete sealer shall be applied to the designated areas of the abutments and piers.
 Seal coat thickness design is based on the Estimated Water Surface Elevation (EWSE). Cofferdam design details and proposed changes in seal coat thickness shall be submitted to the Engineer for approval with the cofferdam design.
 The cost for removal of the existing substructure to construct the cofferdams shall be included in the cost of removal of existing structures, and no additional compensation will be allowed.

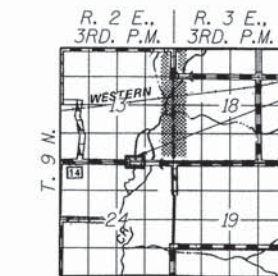
INDEX OF STRUCTURE SHEETS

1. General Plan & Elevation
2. Riprap Details
3. 33"x36" PPC Deck Beam - Spans 1 & 2
4. 33"x36" PPC Deck Beam Details - Spans 1 & 2
5. 33"x36" PPC Deck Beam - Span 3
6. 33"x36" PPC Deck Beam Details - Span 3
7. Superstructure Details
8. Steel Railing, Type SM
9. West Abutment
10. East Abutment
11. Pier 1
12. Pier 2
13. HP Pile Details
- 14-15. Borings



PROFILE GRADE

C.H. 14



LOCATION SKETCH

MITCHELL CREEK
 BUILT 2011 BY
 FAYETTE COUNTY
 F.A.S. RTE. 651
 SEC. 13-00125-00-BR
 STR. NO. 026-3463
 LOADING HL-93

NAME PLATE
 See Std. 515001

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Dumped Riprap, Class A4	Ton			930
Removal of Existing Structures	Each			1
Structure Excavation	Cu. Yd.			69
Cofferdam Excavation	Cu. Yd.		340	340
Cofferdam (Type 2) (Location-1)	Each		1	1
Cofferdam (Type 2) (Location-2)	Each		1	1
Seal Coat Concrete	Cu. Yd.		88.6	88.6
Concrete Structures	Cu. Yd.		139.4	139.4
Precast Prestressed Concrete Deck Beams (33" Depth)	Sq. Ft.	6,000		6,000
Reinforcement Bars, Epoxy Coated	Pound		12,060	12,060
Steel Railing, Type SM	Foot	401		401
Furnishing Steel Piles HP14x89	Foot		2,400	2,400
Driving Piles	Foot		2,400	2,400
Test Pile Steel HP14x89	Each		2	2
Name Plates	Each		1	1
Geocomposite Wall Drain	Sq. Yd.			54
Porous Granular Embankment, Special	Cu. Yd.			69.0
Waterproof Membrane System	Sq. Yd.	672		672
P.C. Mortar Fairing Course	Foot	450		450
HMA Surface Course, Mix "C", N50	Ton	87.7		87.7
Pipe Underdrains for Structures 4"	Foot			125
Concrete Sealer	Sq. Ft.		320	320

FILE NAME	USER NAME	DESIGNED	REVISIONS
130257-sht-br-bridge.dgn		D.W.T.	
		CHECKED	REVISIONS
		DRAWN	REVISIONS
		CHECKED	REVISIONS

STATE OF ILLINOIS
 FAYETTE /SHELBY COUNTY HIGHWAY DEPARTMENT

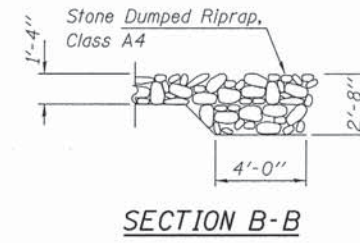
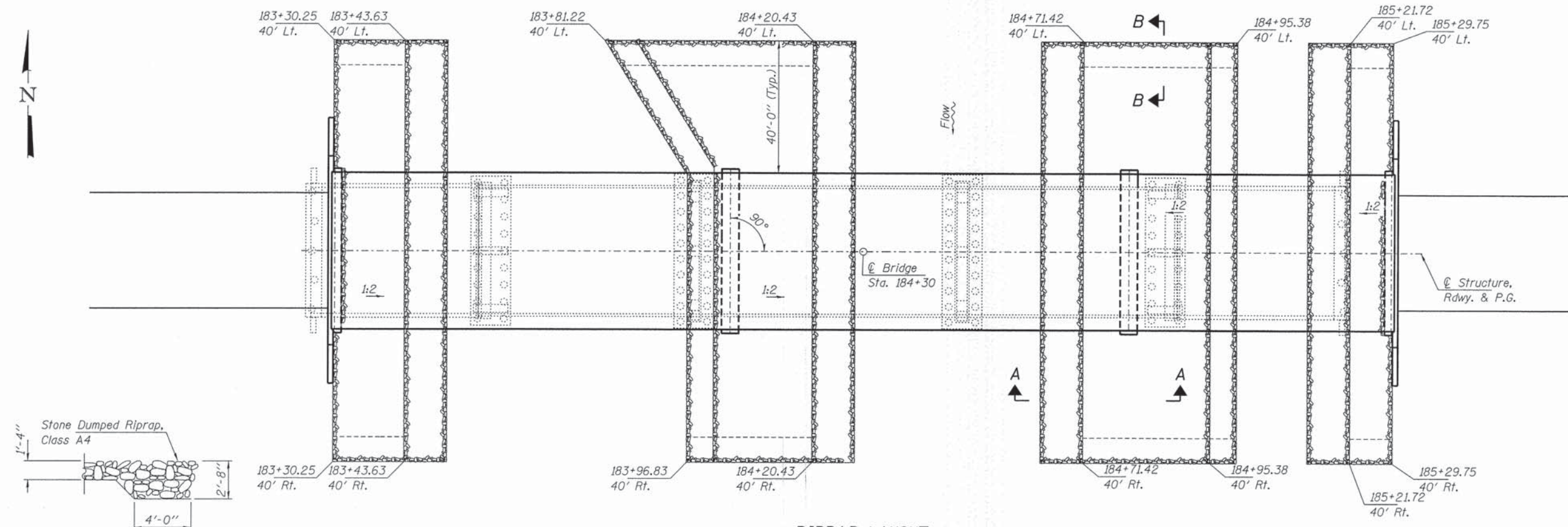
GENERAL PLAN
 STRUCTURE NO. 026-3463

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
631	13-00125-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	44

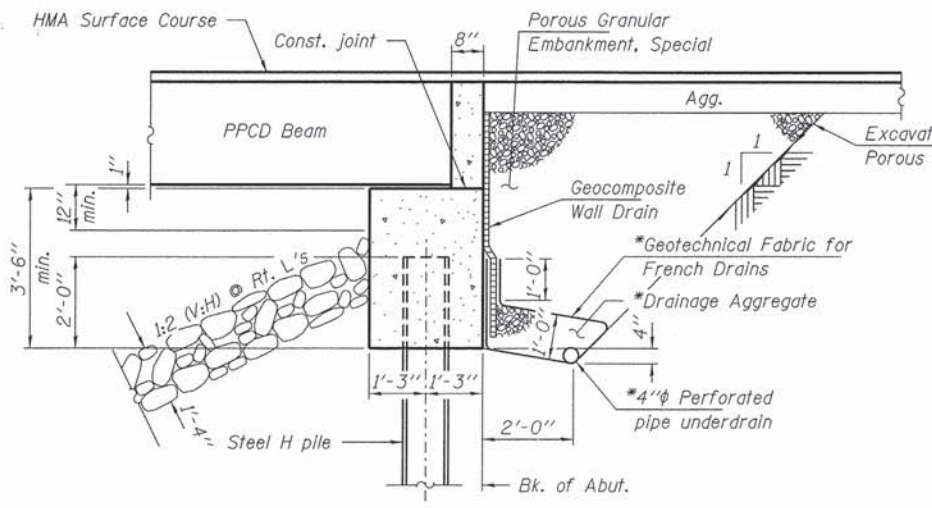
CONTRACT NO. 95769

SHEET NO. 1 OF 15 SHEETS

ILLINOIS FED. AID PROJECT BRS-0651(108)

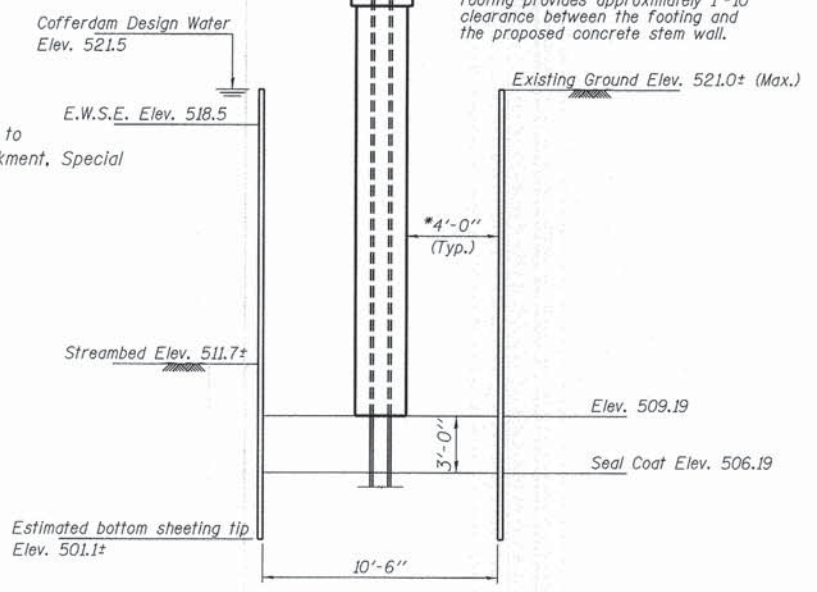


RIPRAP LAYOUT



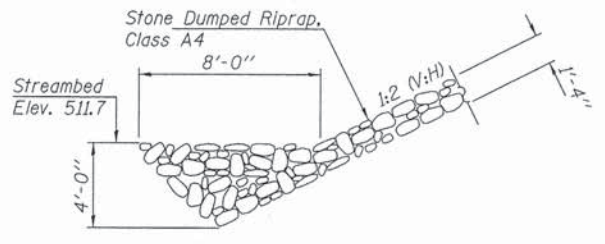
*Included in the cost of Pipe Underdrains for Structures. (See Special Provisions)

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

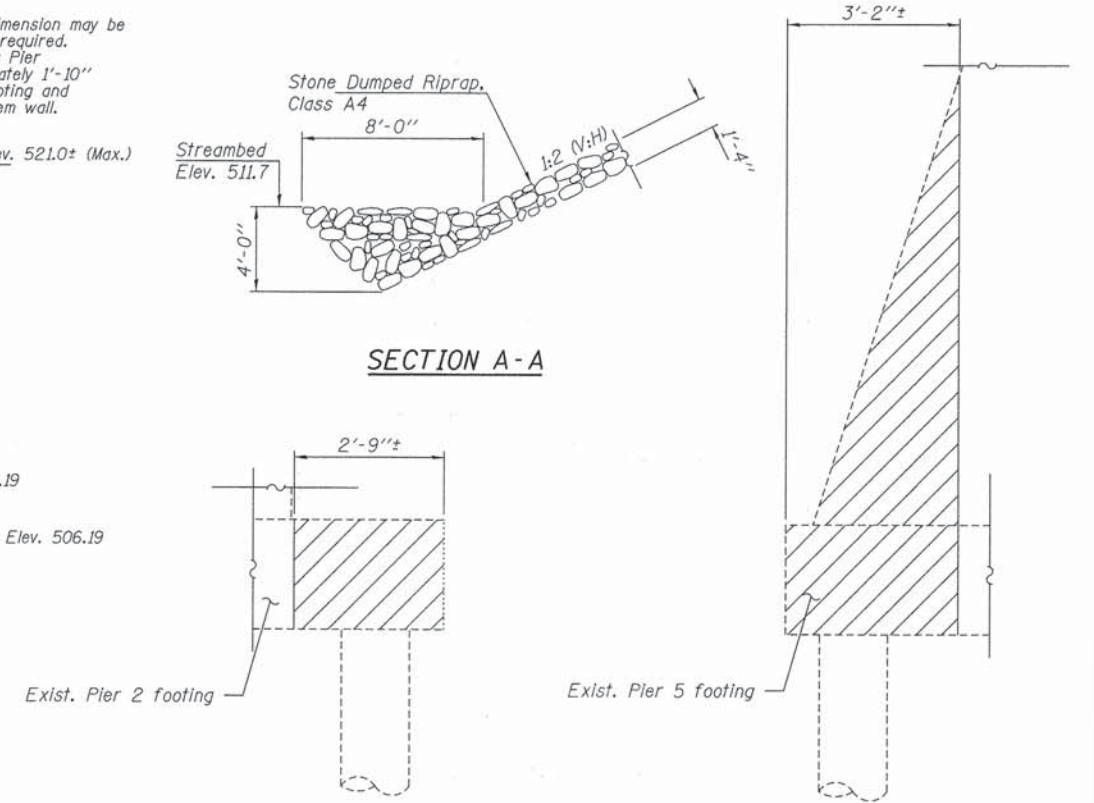


Note:
It is the Contractors responsibility to provide a design for the cofferdam and all other required appurtenances, subject to approval of the Engineer. Plan dimensions of cofferdam are 10'-6" x 38'-0".

COFFERDAM DETAIL



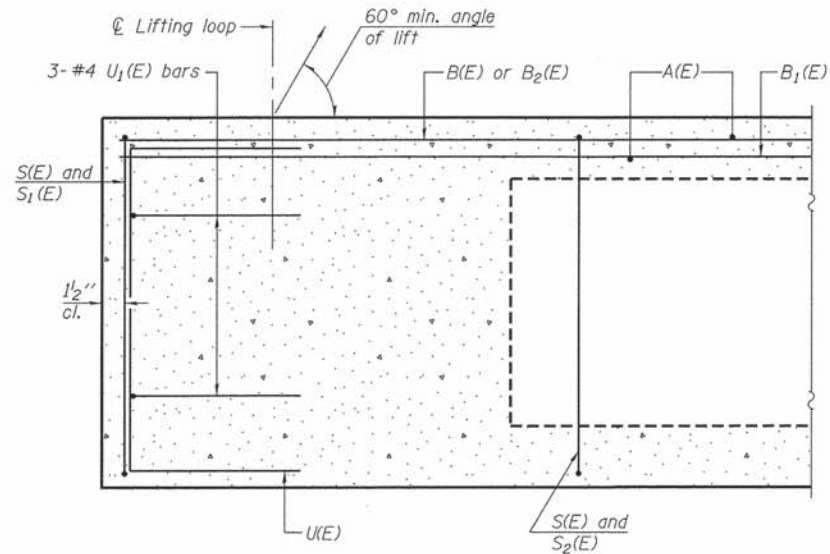
SECTION A-A



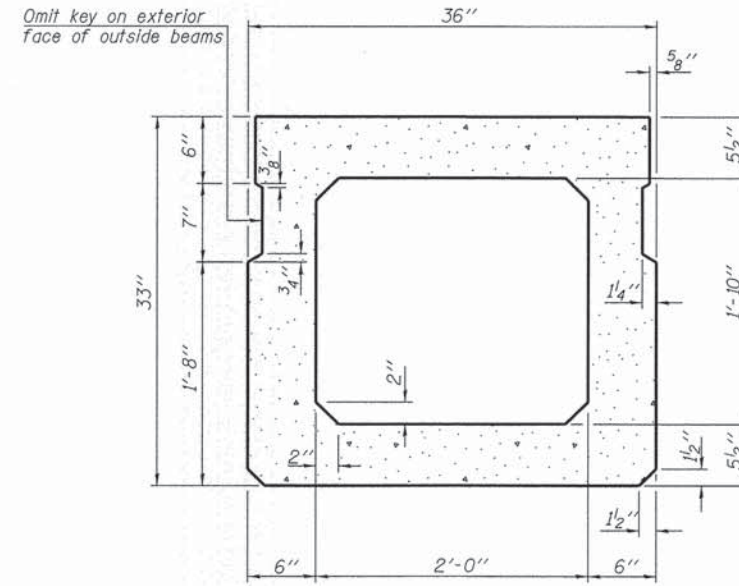
EXISTING PIER 2 REMOVAL

EXISTING PIER 4 REMOVAL

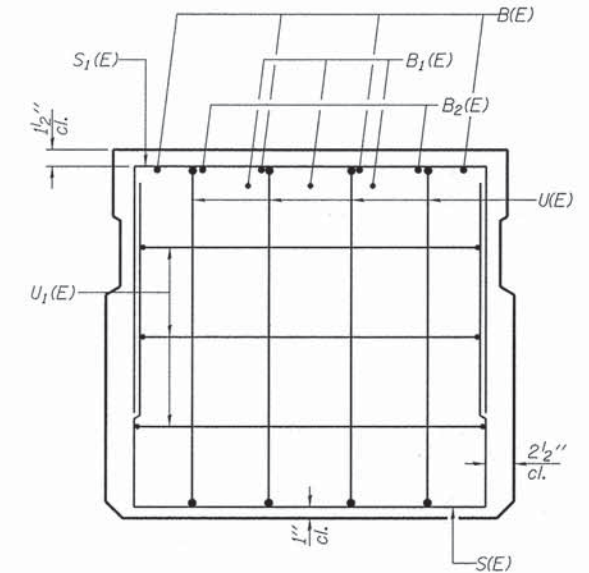
FILE NAME = 138257-ah-bridge.dgn	USER NAME =	DESIGNED - D.W.T.	REVISED -	STATE OF ILLINOIS FAYETTE /SHELBY COUNTY HIGHWAY DEPARTMENT	RIPRAP DETAILS STRUCTURE NO. 026-3463	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 301 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE =	CHECKED -	REVISED -			631	13-00125-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	45	
ILLINOIS PROFESSIONAL DESIGN FIRM 15 / FE / SE / CE / PE	PLOT DATE = 4/17/2015	DRAWN - R.D.H.	REVISED -			CONTRACT NO. 95769					
		CHECKED - S.W.M.	REVISED -			ILLINOIS FED. AID PROJECT BRS-0651108					



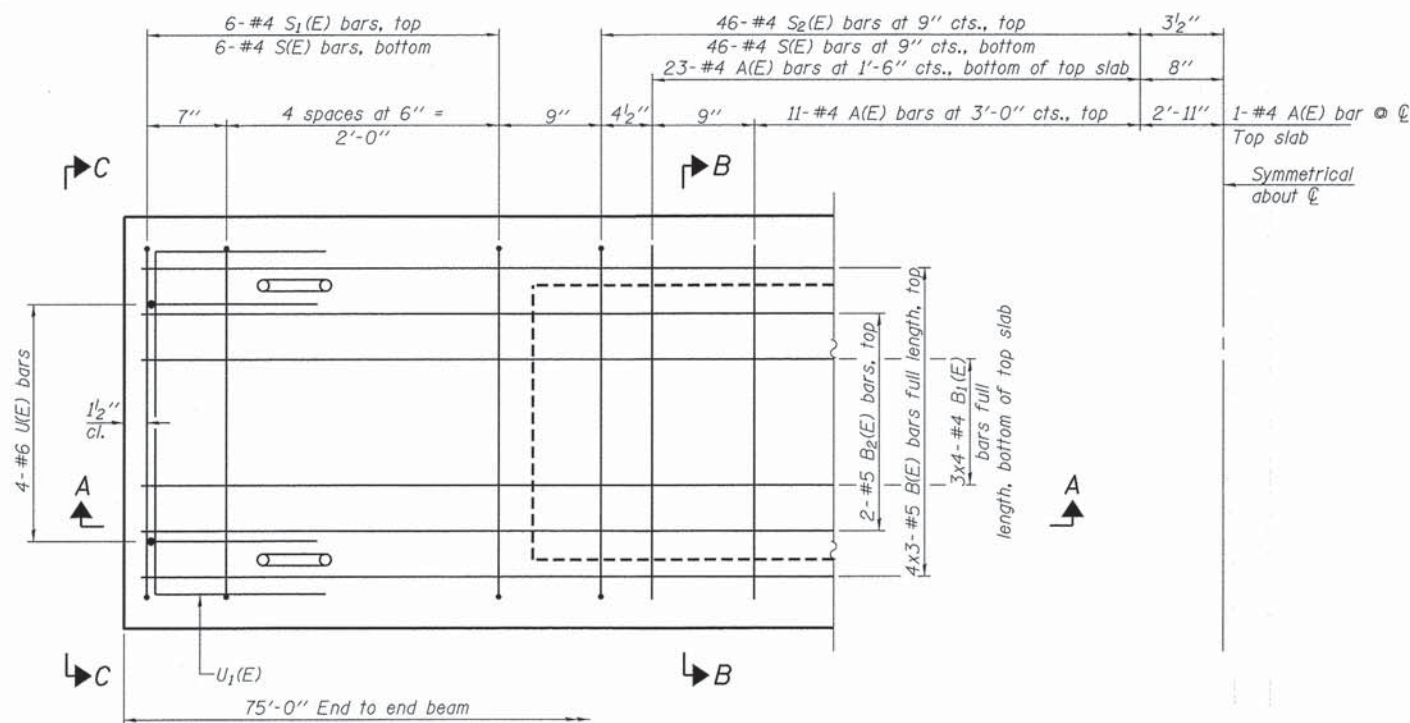
SECTION A-A



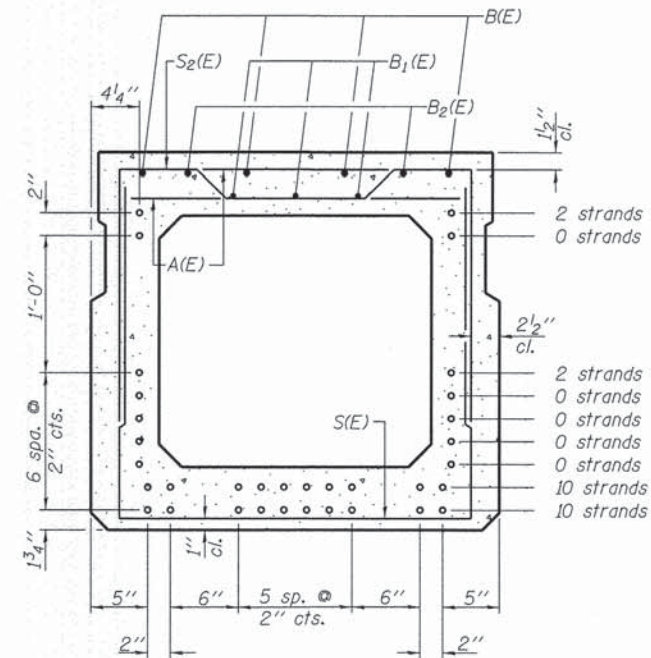
SECTION B-B
(Showing dimensions)



VIEW C-C



PLAN VIEW



SECTION B-B
(Showing reinforcement and permissible strand locations)

BAR LIST
ONE BEAM ONLY
(For information only)

Bar	No.	Size	Length	Shape
A(E)	69	#4	2'-7"	—
B(E)	12	#5	26'-7"	—
B1(E)	12	#4	20'-3"	—
B2(E)	4	#5	10'-0"	—
S(E)	104	#4	7'-5"	□
S1(E)	12	#4	6'-3"	□
S2(E)	92	#4	6'-6"	□
U(E)	8	#6	5'-0"	□
U1(E)	6	#4	5'-0"	□

Note: See sheet 4 of 15 for additional details and Bill of Material.

Note: Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.

Bars indicated thus 4x3-#5 etc. indicates 4 lines of bars with 3 lengths per line.

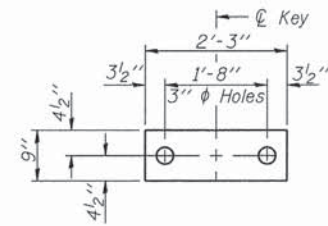
MINIMUM BAR LAP

#4 bar = 2'-0"
#5 bar = 2'-6"

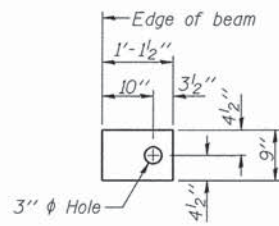
PD-3336-0

7-1-10

FILE NAME = 136257-shft-bridge.dgn	USER NAME =	DESIGNED - D.W.T.	REVISED -	STATE OF ILLINOIS FAYETTE /SHELBY COUNTY HIGHWAY DEPARTMENT	33" x 36" PPC DECK BEAM - SPANS 1 & 2 STRUCTURE NO. 026-3463	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3848 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE =	CHECKED -	REVISED -			631	13-00125-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	46
ILLINOIS PROFESSIONAL DESIGN FIRM L3 / PE / SE CORP. 184-00293	PLOT DATE = 4/17/2015	DRAWN - R.D.H.	REVISED -			CONTRACT NO. 95769				
		CHECKED - S.W.M.	REVISED -			SHEET NO. 3 OF 15 SHEETS			ILLINOIS FED. AID PROJECT BRS-0651(08)	



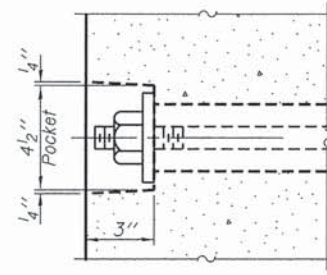
FABRIC BEARING PAD
(Interior - 36 Req'd.)



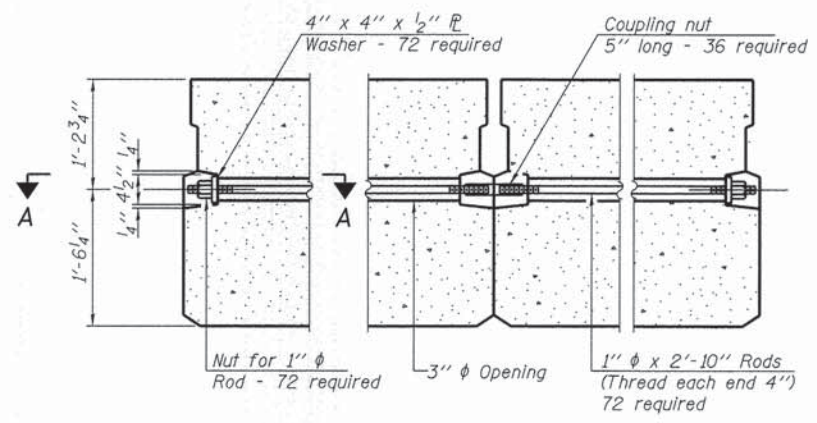
FABRIC BEARING PAD
(Exterior - 8 Req'd.)

FIXED

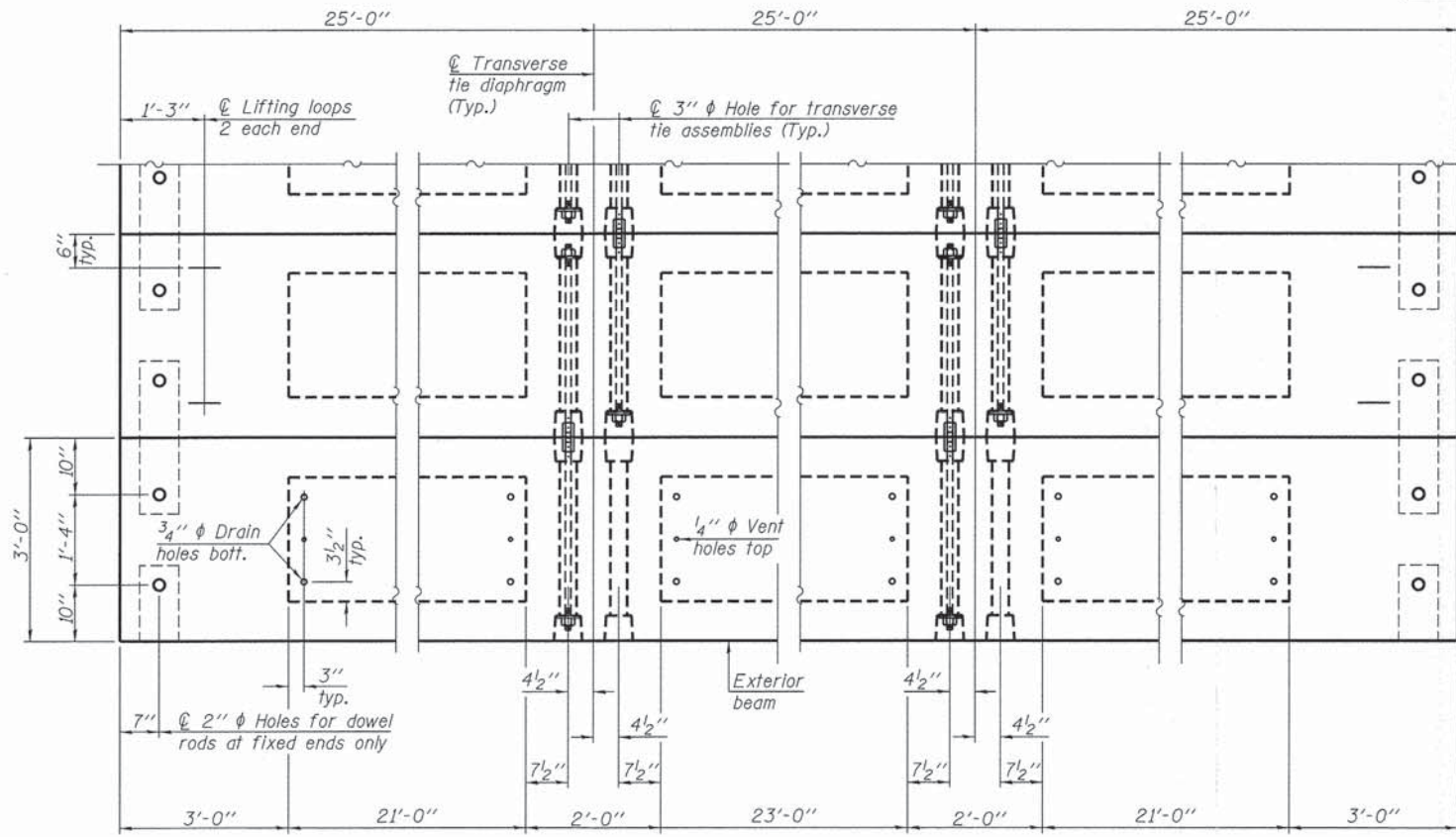
Notes:
All bearing pads shall be 1" thick.
Omit holes when using expansion bearings.
Expansion bearing pad shall be bonded to the substructure.



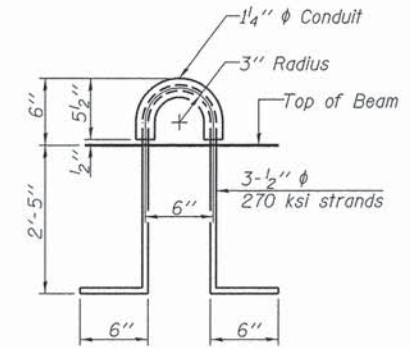
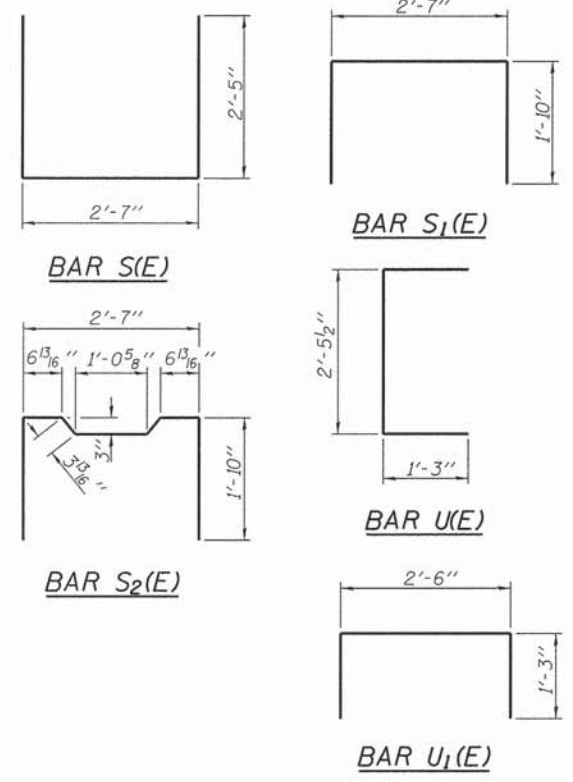
SECTION A-A



TYPICAL TRANSVERSE TIE ASSEMBLY



PLAN VIEW



LIFTING LOOP DETAIL

NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. The 1" diameter rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place.
Reinforcement bars shall conform to ASTM A 706, Grade 60. (See Special Provisions).
Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.
A minimum 2 1/2" diameter lifting pin shall be used to engage the lifting loops during handling.
Corrosion Inhibitor, per Article 1020.05(b)(12) and 1021.07 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.
Compressive strength of prestressed concrete, f'c, shall be 6000 psi.
Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi.
All reinforcement bars shall be epoxy coated.

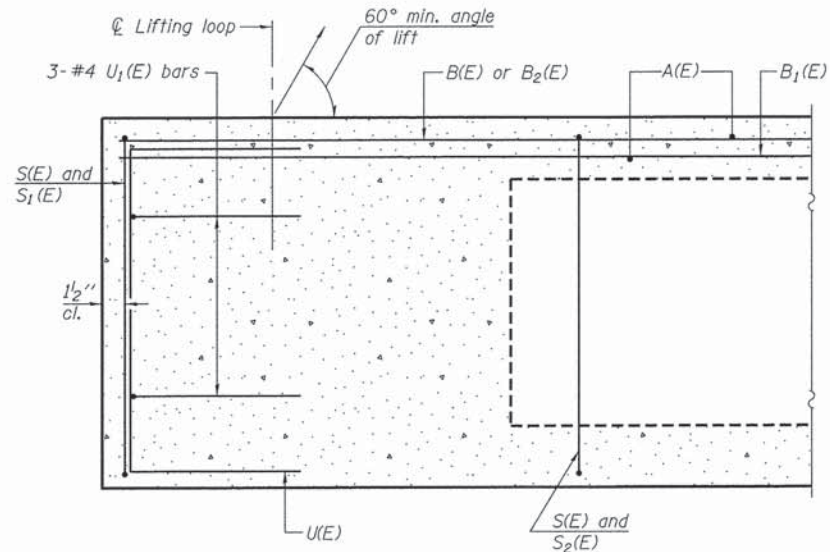
Note: Connect beams in pairs with the transverse tie configuration shown.

BILL OF MATERIAL - SPANS 1 & 2

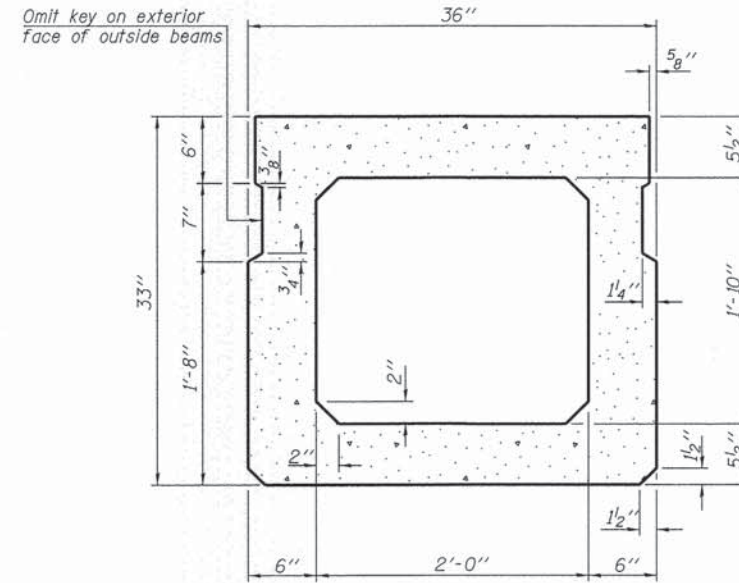
Precast Prestressed Conc. Deck Bms. (33" depth)	Sq. Ft.	4,500
---	---------	-------

PD-3336-0D 7-1-10

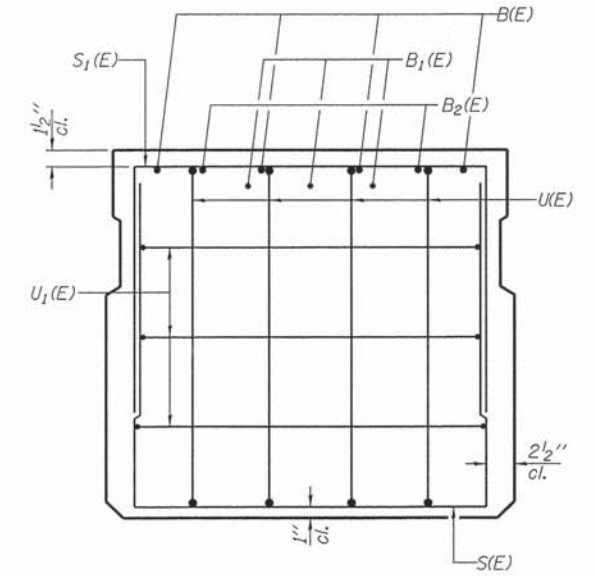
FILE NAME = 130257-sht-br1dge.dgn	USER NAME =	DESIGNED - D.W.T.	REVISED -	STATE OF ILLINOIS FAYETTE /SHELBY COUNTY HIGHWAY DEPARTMENT	33" x 36" PPC DECK BEAM DETAILS - SPANS 1 & 2 STRUCTURE NO. 026-3463	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
HAMPTON, LENZINI AND RENWICK, INC. 3048 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62763	PLOT SCALE =	CHECKED -	REVISED -			631	13-00125-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	47	
ILLINOIS PROFESSIONAL DESIGN FIRM L3 / PE / SE CORP. 184-000939	PLOT DATE = 4/17/2015	DRAWN - R.D.H.	REVISED -			CONTRACT NO. 95769					
		CHECKED - S.W.M.	REVISED -			SHEET NO. 4 OF 15 SHEETS			[ILLINOIS] FED. AID PROJECT BRS-0651(08)		



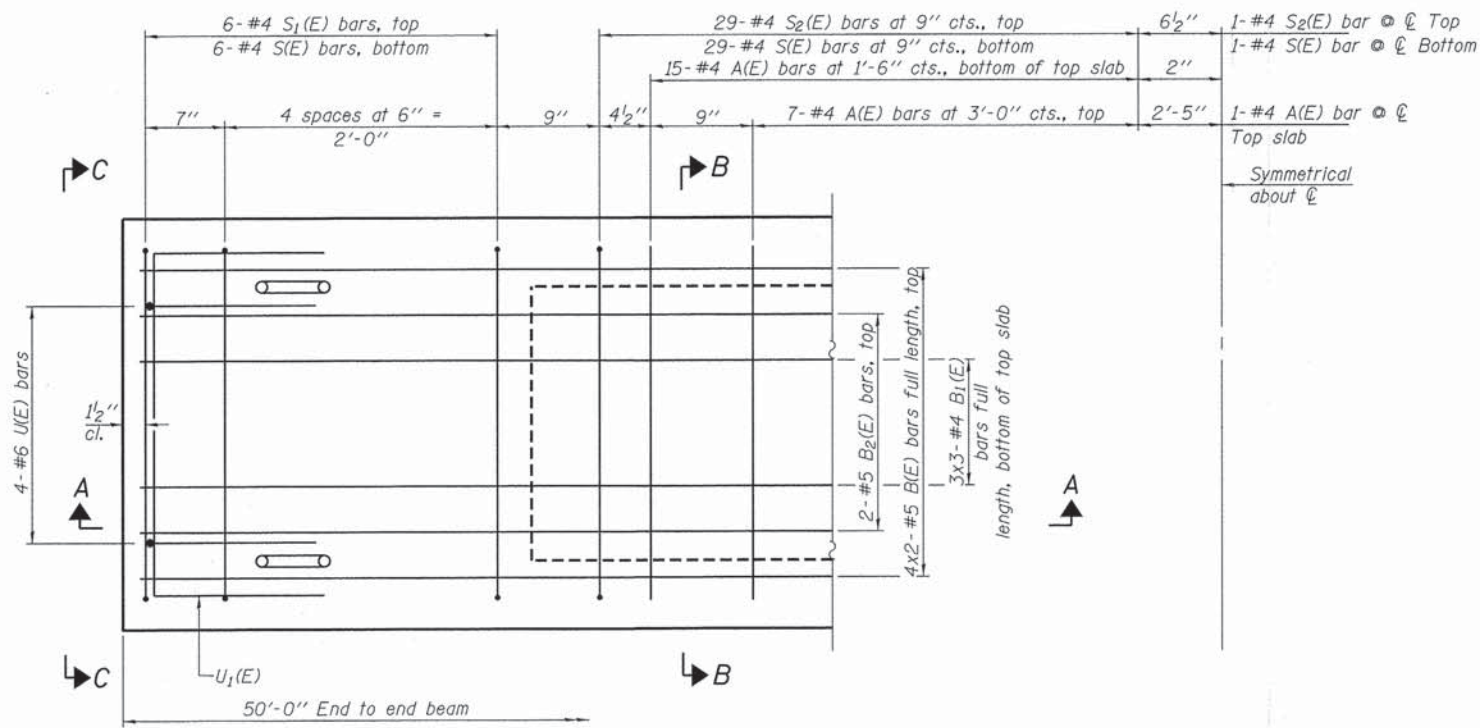
SECTION A-A



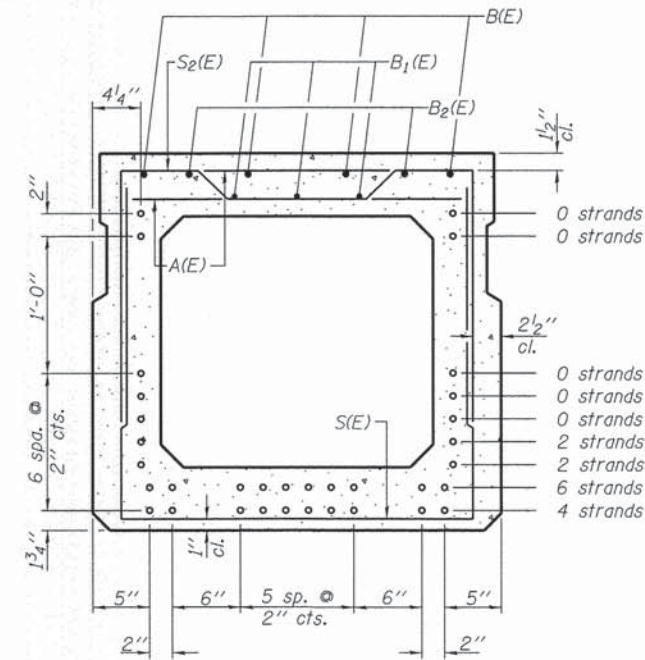
SECTION B-B
(Showing dimensions)



VIEW C-C



PLAN VIEW



SECTION B-B
(Showing reinforcement and permissible strand locations)

BAR LIST
ONE BEAM ONLY
(For information only)

Bar	No.	Size	Length	Shape
A(E)	45	#4	2'-7"	—
B(E)	8	#5	26'-2"	—
B1(E)	9	#4	17'-11"	—
B2(E)	4	#5	10'-0"	—
S(E)	71	#4	7'-5"	U
S1(E)	12	#4	6'-3"	U
S2(E)	59	#4	6'-6"	U
U(E)	8	#6	5'-0"	U
U1(E)	6	#4	5'-0"	U

Note: See sheet 6 of 15 for additional details and Bill of Material.

Note: Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.

MINIMUM BAR LAP

#4 bar = 2'-0"
#5 bar = 2'-6"

Note: Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.

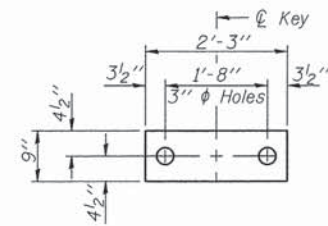
Bars indicated thus 4x2-#5 etc. indicates 4 lines of bars with 2 lengths per line.

PD-3336-0

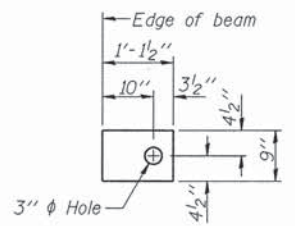
7-1-10

FILE NAME = 138257-shft-bridge.dgn	USER NAME =	DESIGNED - D.W.T.	REVISED -	STATE OF ILLINOIS FAYETTE /SHELBY COUNTY HIGHWAY DEPARTMENT	33" x 36" PPC DECK BEAM - SPAN 3 STRUCTURE NO. 026-3463	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM L3 / PE / SE CORP. 184.000999	PLOT SCALE =	CHECKED -	REVISED -			631	13-00125-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	48	
PLOT DATE = 4/17/2015	DESIGNED - R.D.H.	CHECKED - S.W.M.	REVISED -			CONTRACT NO. 95769					
						SHEET NO. 5 OF 15 SHEETS					

ILLINOIS FED. AID PROJECT BRS-0651108



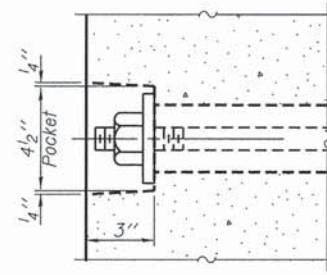
FABRIC BEARING PAD
(Interior - 18 Req'd.)



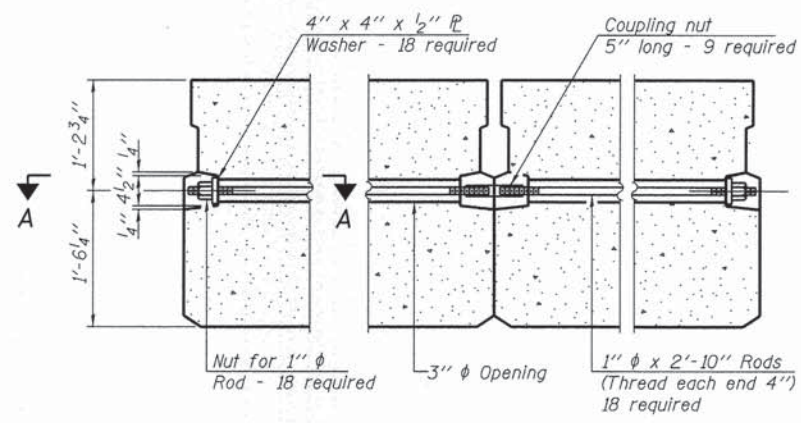
FABRIC BEARING PAD
(Exterior - 4 Req'd.)

FIXED

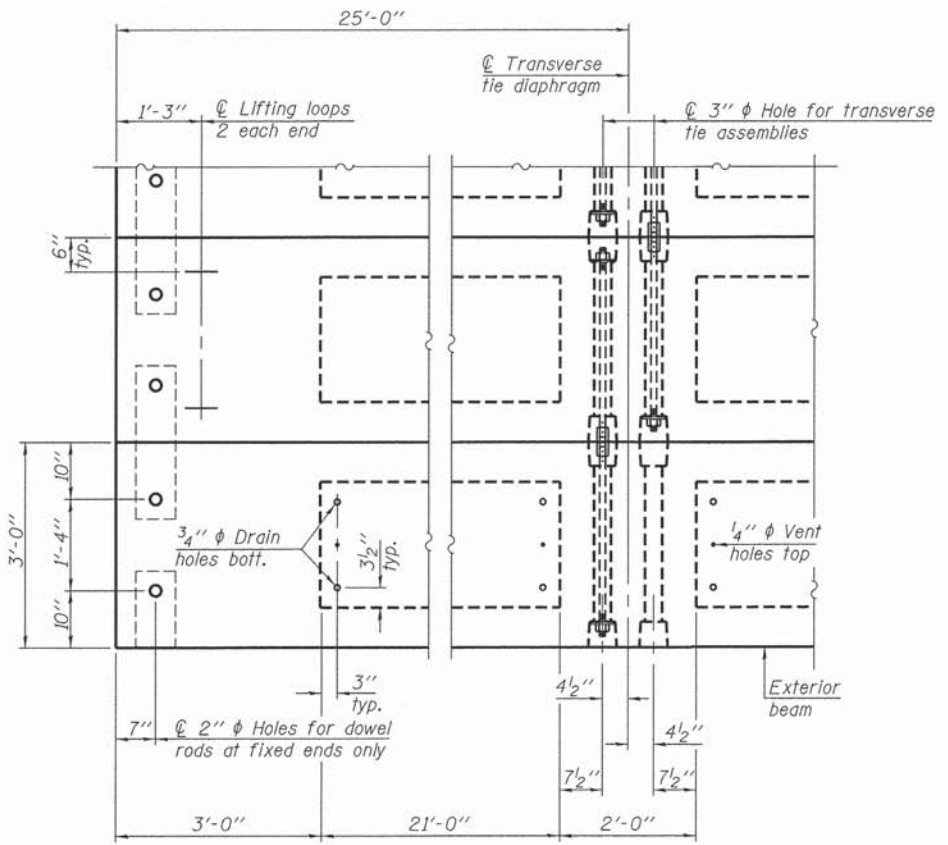
Notes:
All bearing pads shall be 1" thick.
Omit holes when using expansion bearings.
Expansion bearing pad shall be bonded to the substructure.



SECTION A-A

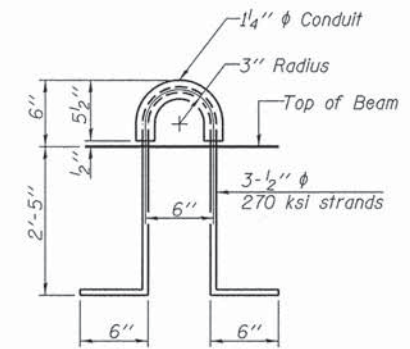
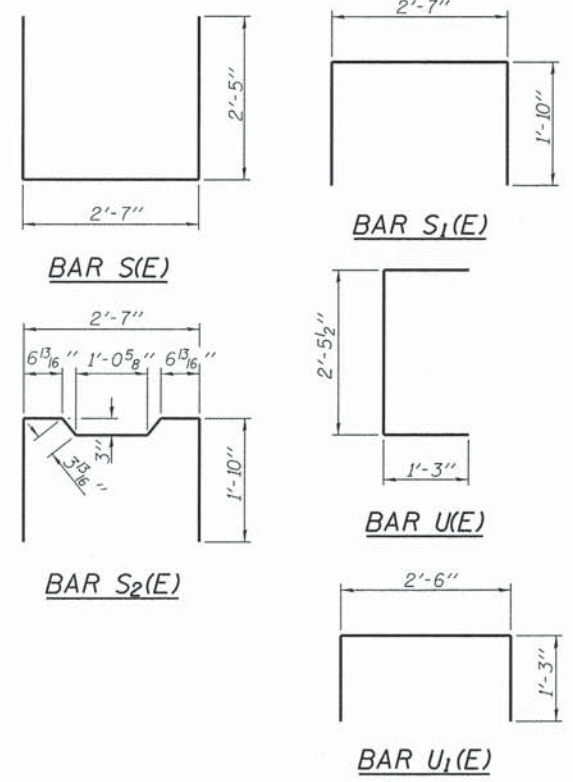


TYPICAL TRANSVERSE TIE ASSEMBLY



PLAN VIEW

Note: Connect beams in pairs with the transverse tie configuration shown.



LIFTING LOOP DETAIL

NOTES

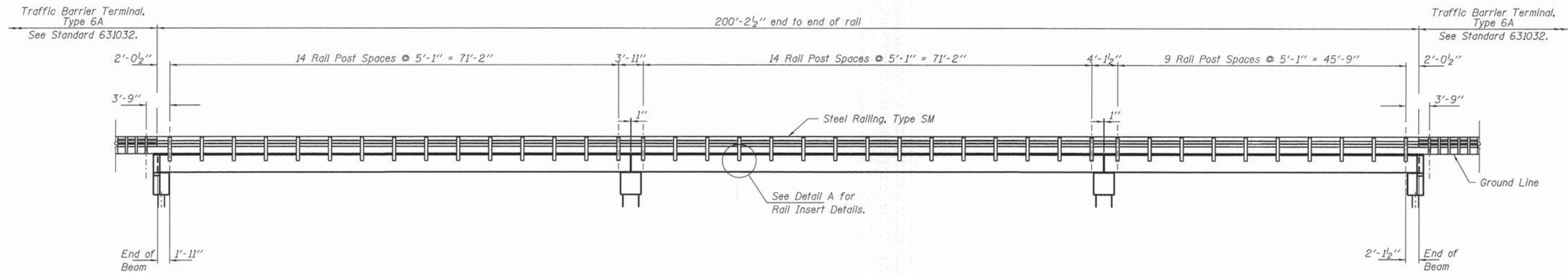
Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. The 1" diameter rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place.
Reinforcement bars shall conform to ASTM A 706, Grade 60. (See Special Provisions).
Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.
A minimum 2 1/2" diameter lifting pin shall be used to engage the lifting loops during handling.
Corrosion Inhibitor, per Article 1020.05(b)(12) and 1021.07 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.
Compressive strength of prestressed concrete, f'c, shall be 6000 psi.
Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi.
All reinforcement bars shall be epoxy coated.

BILL OF MATERIAL - SPAN 3

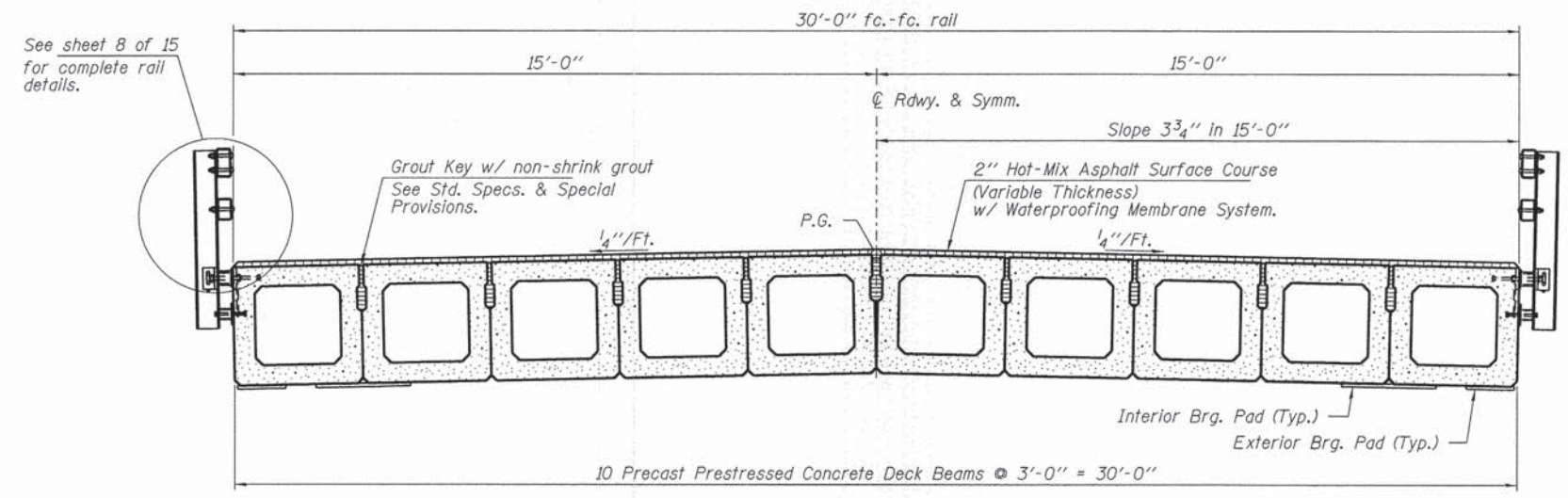
Precast Prestressed Conc. Deck Bms. (33" depth)	Sq. Ft.	1,500
---	---------	-------

PD-3336-0D 7-1-10

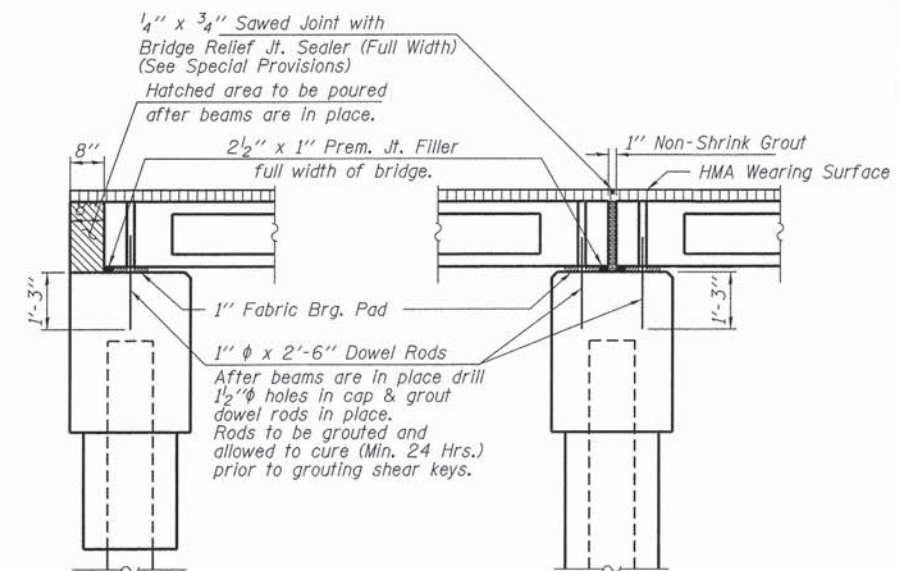
FILE NAME = 138257-shr-bridge.dgn	USER NAME =	DESIGNED - D.W.T.	REVISIONS	STATE OF ILLINOIS FAYETTE /SHELBY COUNTY HIGHWAY DEPARTMENT	33" x 36" PPC DECK BEAM DETAILS - SPAN 3 STRUCTURE NO. 026-3463	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
HAMPTON, LENZINI AND RENWICK, INC.		CHECKED -	REVISED -			631	13-00125-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	49	
3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE =	DRAWN - R.D.H.	REVISED -			CONTRACT NO. 95769					
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184-00089	PLOT DATE = 4/17/2015	CHECKED - S.W.M.	REVISED -			SHEET NO. 6 OF 15 SHEETS					
						ILLINOIS FED. AID PROJECT BRS-0651(08)					



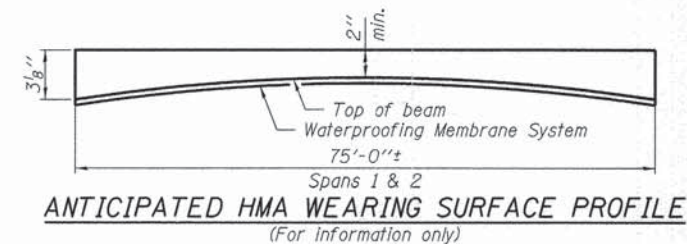
ELEVATION
Showing Rail Post Spaces
See sheet 8 of 15 for Railing Details.



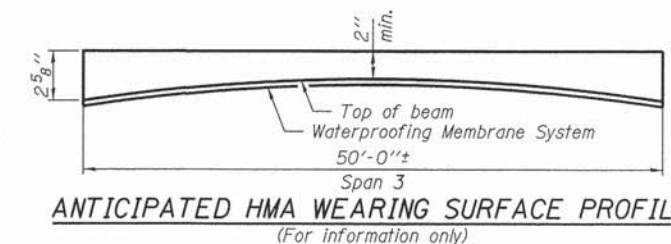
CROSS SECTION
See sheets 3 through 6 of 15 for Superstructure.



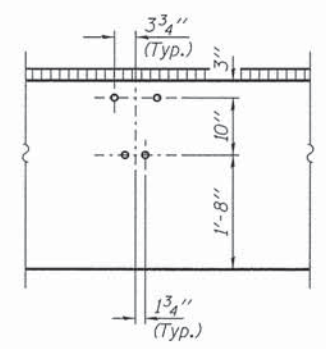
SECTION AT ABUTMENTS © Rt. L's
SECTION AT PIERS © Rt. L's



ANTICIPATED HMA WEARING SURFACE PROFILE
(For information only)

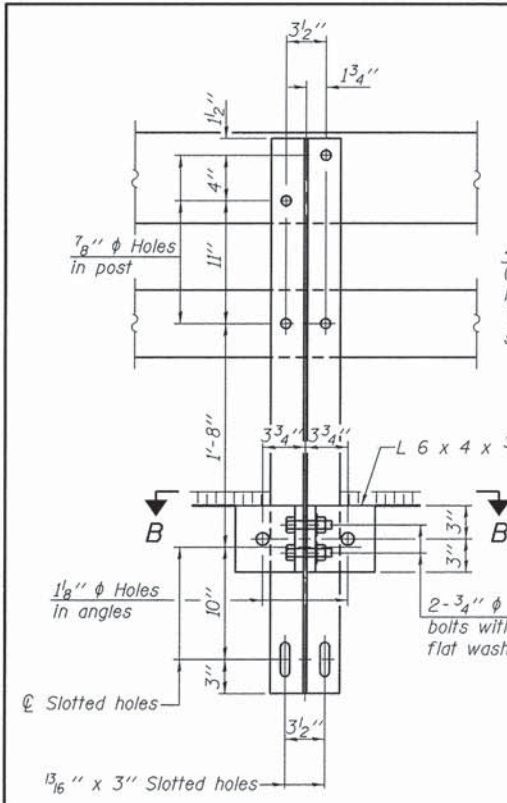


ANTICIPATED HMA WEARING SURFACE PROFILE
(For information only)

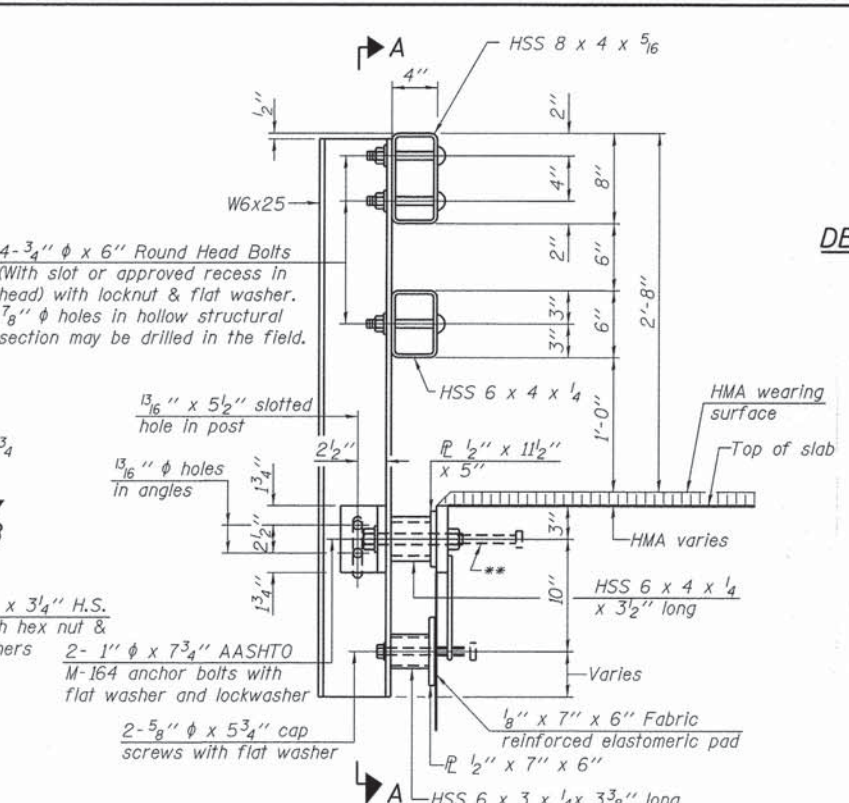


DETAIL A

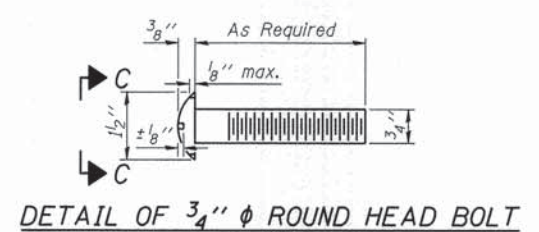
FILE NAME = 130257-shr-bridge.dgn	USER NAME =	DESIGNED - D.W.T.	REVISED -	STATE OF ILLINOIS FAYETTE /SHELBY COUNTY HIGHWAY DEPARTMENT	SUPERSTRUCTURE DETAILS STRUCTURE NO. 026-3463	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
HAMPTON, LENZINI AND RENWICK, INC. 3045 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62769 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE =	CHECKED -	REVISED -			631	13-00125-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	50	
	PLOT DATE = 4/17/2015	DRAWN - R.D.H.	REVISED -			CONTRACT NO. 95769					
		CHECKED - S.W.M.	REVISED -			SHEET NO. 7 OF 15 SHEETS					
						ILLINOIS FED. AID PROJECT BRS-065(10B)					



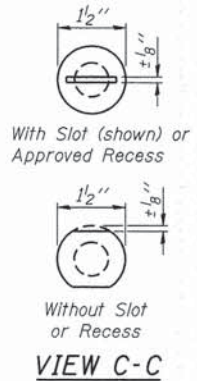
SECTION A-A



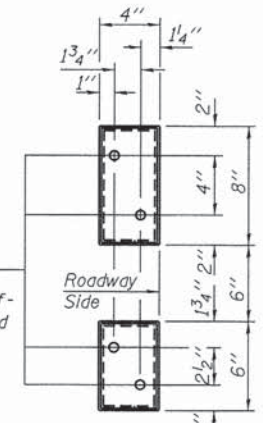
SECTION AT RAIL POST



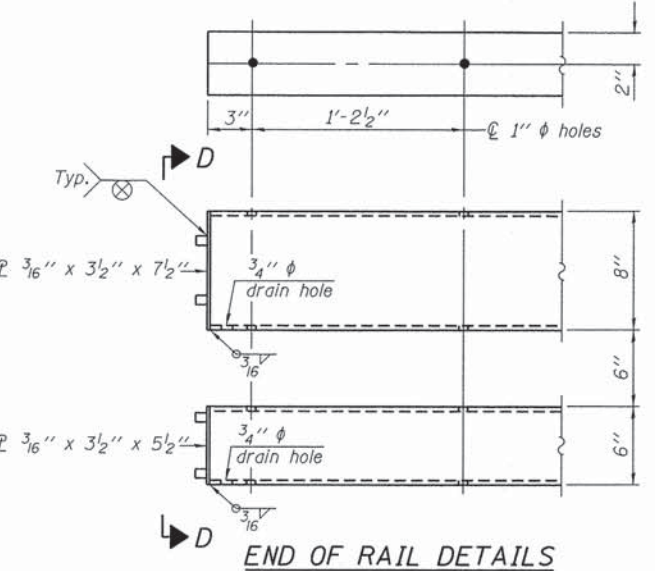
DETAIL OF 3/4" ROUND HEAD BOLT



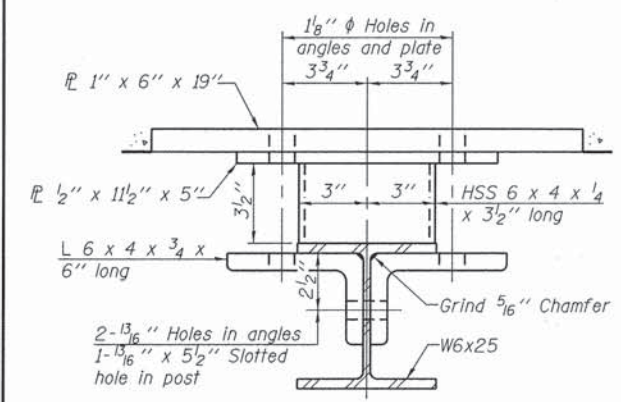
VIEW C-C



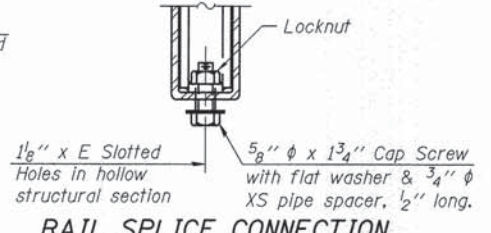
VIEW D-D



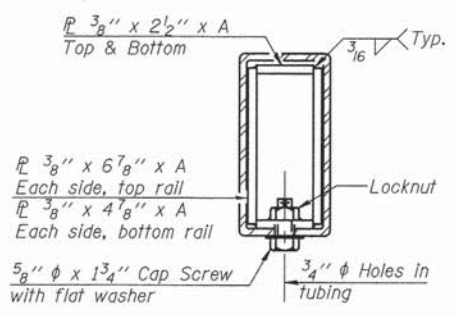
END OF RAIL DETAILS



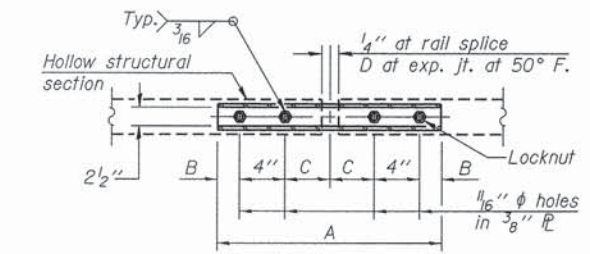
SECTION B-B



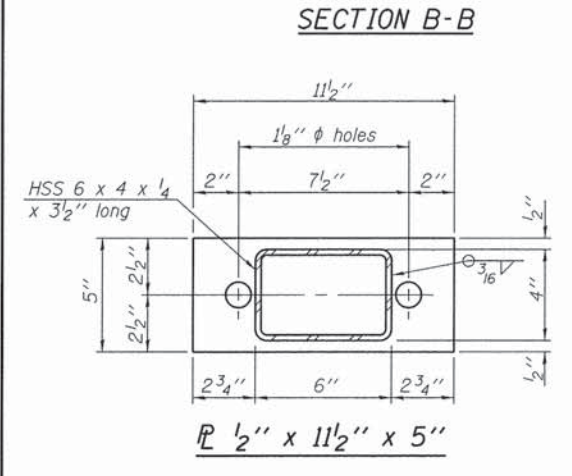
RAIL SPLICE CONNECTION AT EXPANSION JT.



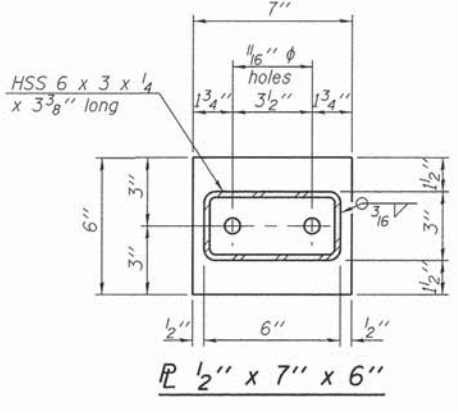
SECTION AT RAIL SPLICE



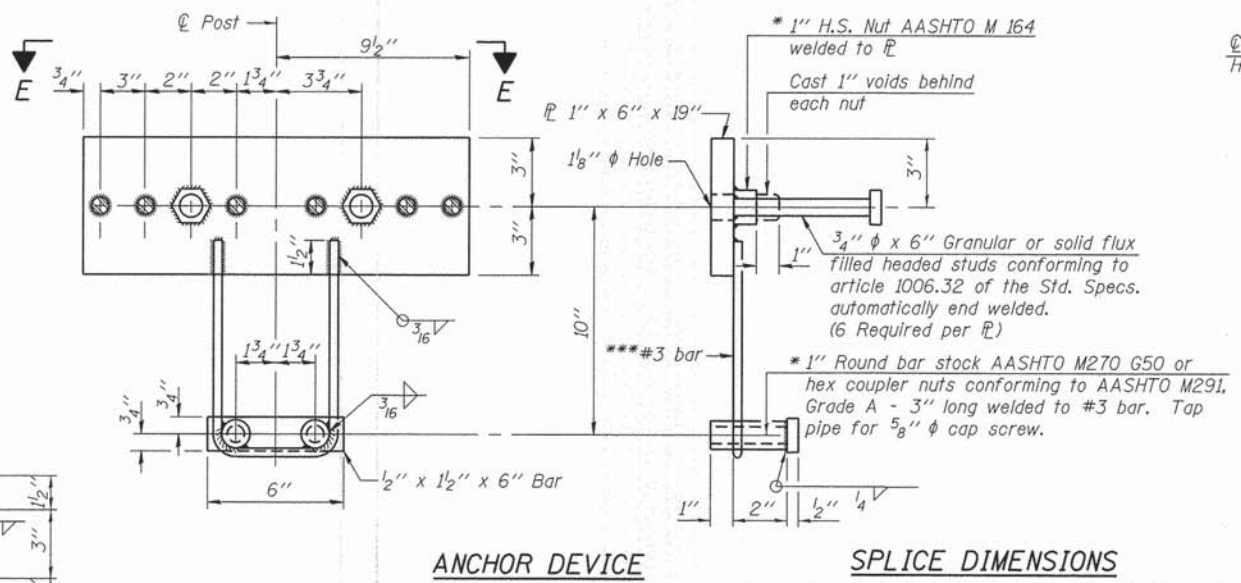
PLAN-BOTT. SPLICE TYPICAL



R 1/2" x 11 1/2" x 5"



R 1/2" x 7" x 6"



ANCHOR DEVICE

SPLICE DIMENSIONS

T	D	A	B	C	E
≤ 4"	2 1/2"	1'-8"	2"	4"	2 1/2"
> 4" ≤ 6 1/2"	3 3/4"	2'-0"	2 1/2"	5 1/2"	3 1/2"
> 6 1/2" ≤ 9"	5"	2'-4"	3 1/2"	6 1/2"	9"
> 9" ≤ 13"	7"	2'-10"	4 1/2"	8 1/2"	11"
Rail Splice	1/4"	1'-8"	2"	4"	

*Threaded areas shall be plugged or blocked off during casting of beam. Galvanized after fabrication.

*** Whenever the lower insert assemblies interfere with strand locations, the #3 bars shall be cut and adjusted in order to allow raising or lowering of the lower inserts. Maximum adjustment not to exceed 1/2".

Notes:
 For multi-span bridges, sufficient 1/4" x 6" x 1'-2" galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with Steel Railing, Type SM.
 All steel rail members shall be galvanized according to Article 509.05 of the Standard Specifications.
 ** The studs of the anchor devices shall be placed below the top reinforcement bars and the outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchor device.

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type SM	Foot	401

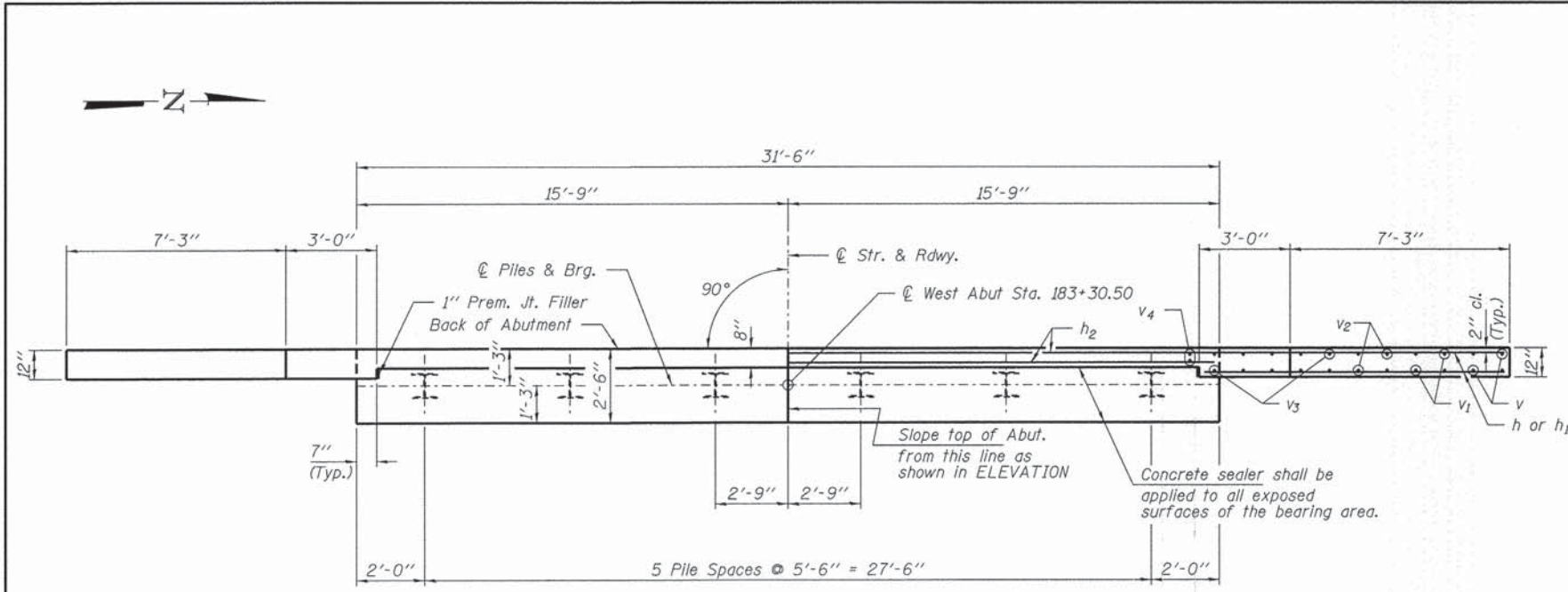
R-34HMAWS 1-12-15 (6'-3" Maximum Post Spacing) (1/4" minimum to 3/8" maximum HMA thickness)

FILE NAME = 130257-ah-bridge.dgn	USER NAME =	DESIGNED - D.W.T.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC.		CHECKED -	REVISED -
3540 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62761	PLOT SCALE =	DRAWN - R.D.H.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM L3 / P.E. / S.E. CORP. 184-000559	PLOT DATE = 4/17/2015	CHECKED - S.W.M.	REVISED -

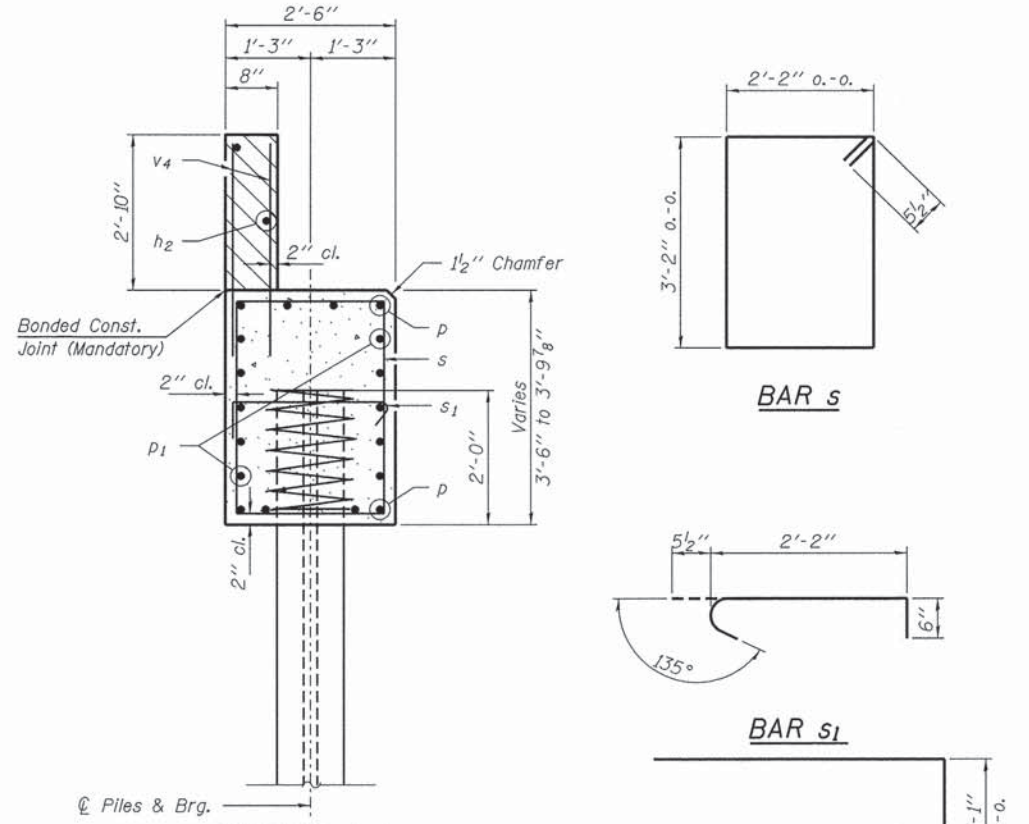
STATE OF ILLINOIS
 FAYETTE /SHELBY COUNTY HIGHWAY DEPARTMENT

STEEL RAILING, TYPE SM
 STRUCTURE NO. 026-3463
 SHEET NO. 8 OF 15 SHEETS

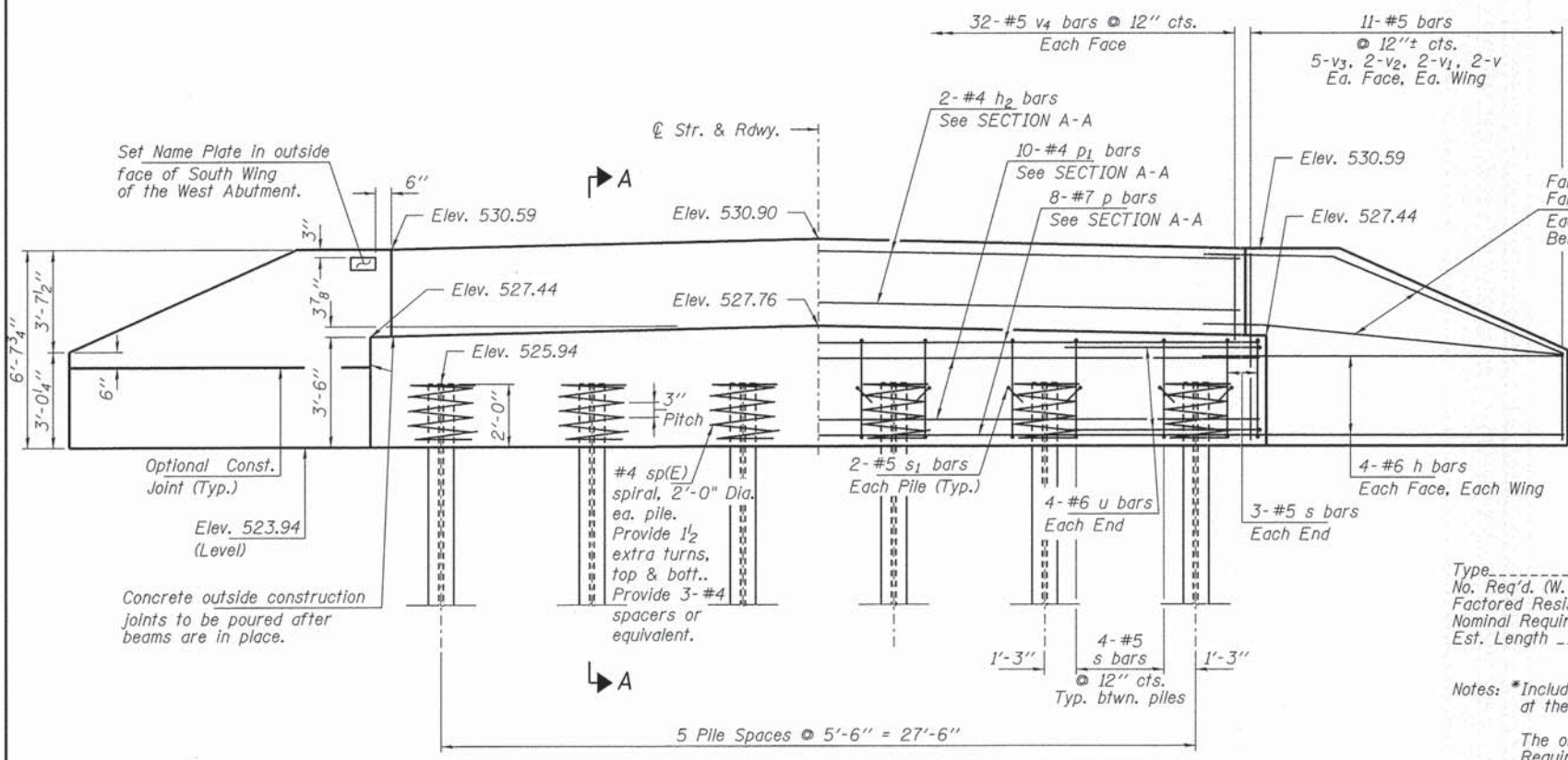
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
631	13-00125-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	51
CONTRACT NO. 95769				
ILLINOIS FED. AID PROJECT BR5-0651(08)				



PLAN



SECTION A-A



ELEVATION
(Looking West)

PILE DATA

Type ----- Steel HP14x89
 No. Req'd. (W. Abut.) ----- 6
 Factored Resistance Available (Rf) ----- 388 Kips/Pile
 Nominal Required Bearing (Rn) ----- 705 Kips/Pile
 Est. Length ----- 100 Ft/Pile

Notes: *Includes one test pile to be driven in permanent location at the West Abutment.
 The one pile shall be driven to 110 percent of the Nominal Required Bearing indicated in the pile data information.

BILL OF MATERIAL - W. ABUT.

BAR	NO.	SIZE	LENGTH	SHAPE	
h	22	#6	11'-6"	—	
h1	6	#4	10'-0"	—	
h2	2	#4	31'-2"	—	
p	8	#7	31'-2"	—	
p1	10	#4	31'-2"	—	
s	26	#5	11'-7"	□	
s1	12	#5	3'-2"	┌	
*sp	6	#4	2'-0"	MMM	
u	8	#6	12'-1"	—	
v	8	#5	2'-9"	—	
v1	8	#5	3'-9"	—	
v2	8	#5	4'-9"	—	
v3	20	#5	5'-9"	—	
v4	64	#5	3'-8"	—	
Concrete Structures				Cu. Yd.	16.9
Reinforcement Bars, Epoxy Coated				Pound	2,340
Steel Piles HP14x89				Foot	500
Driving Piles				Foot	500
Test Pile HP14x89				Each	1
Name Plates				Each	1
Concrete Sealer				Sq. Ft.	57

All reinforcement bars shall be epoxy coated
 *Length is height of spiral

FILE NAME = 138257-sht-bridge.dgn
 USER NAME =
 DESIGNED - D.W.T.
 CHECKED -
 DRAWN - R.D.H.
 CHECKED - S.W.M.
 PLOT SCALE =
 PLOT DATE = 4/17/2015

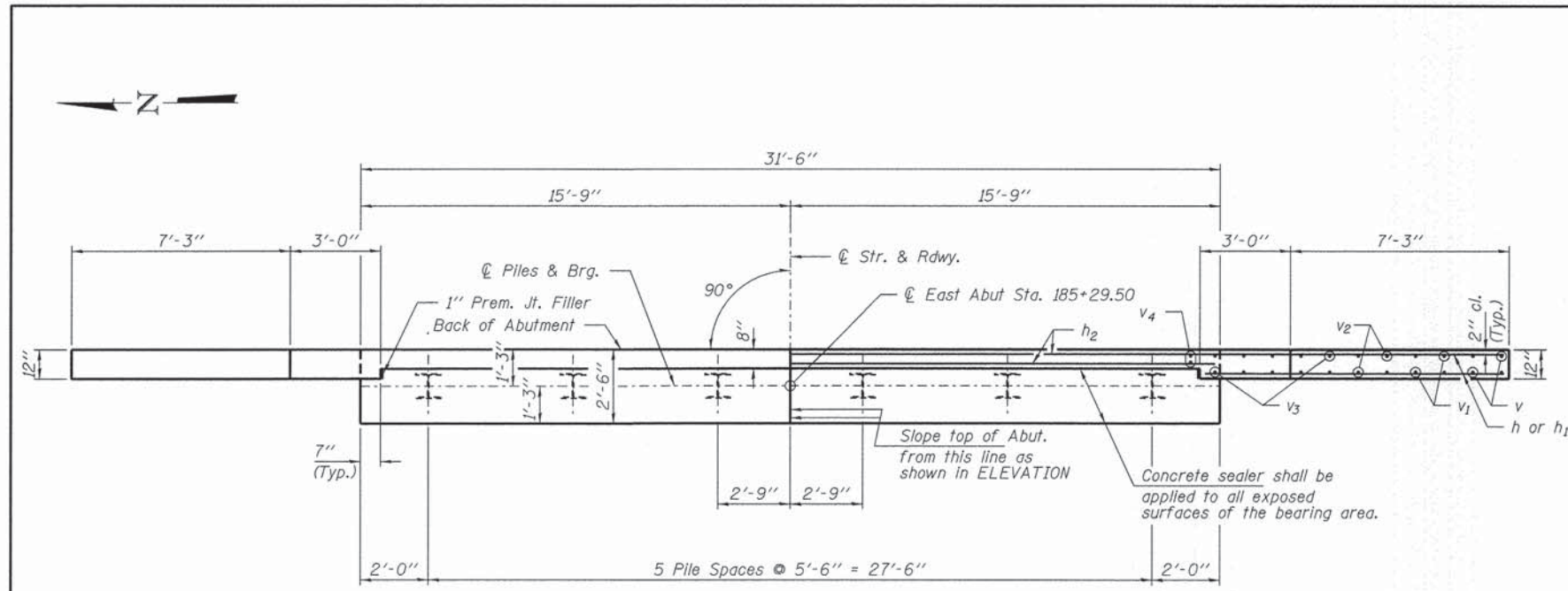
DESIGNED - D.W.T.
 CHECKED -
 DRAWN - R.D.H.
 CHECKED - S.W.M.
 PLOT SCALE =
 PLOT DATE = 4/17/2015

STATE OF ILLINOIS
FAYETTE /SHELBY COUNTY HIGHWAY DEPARTMENT

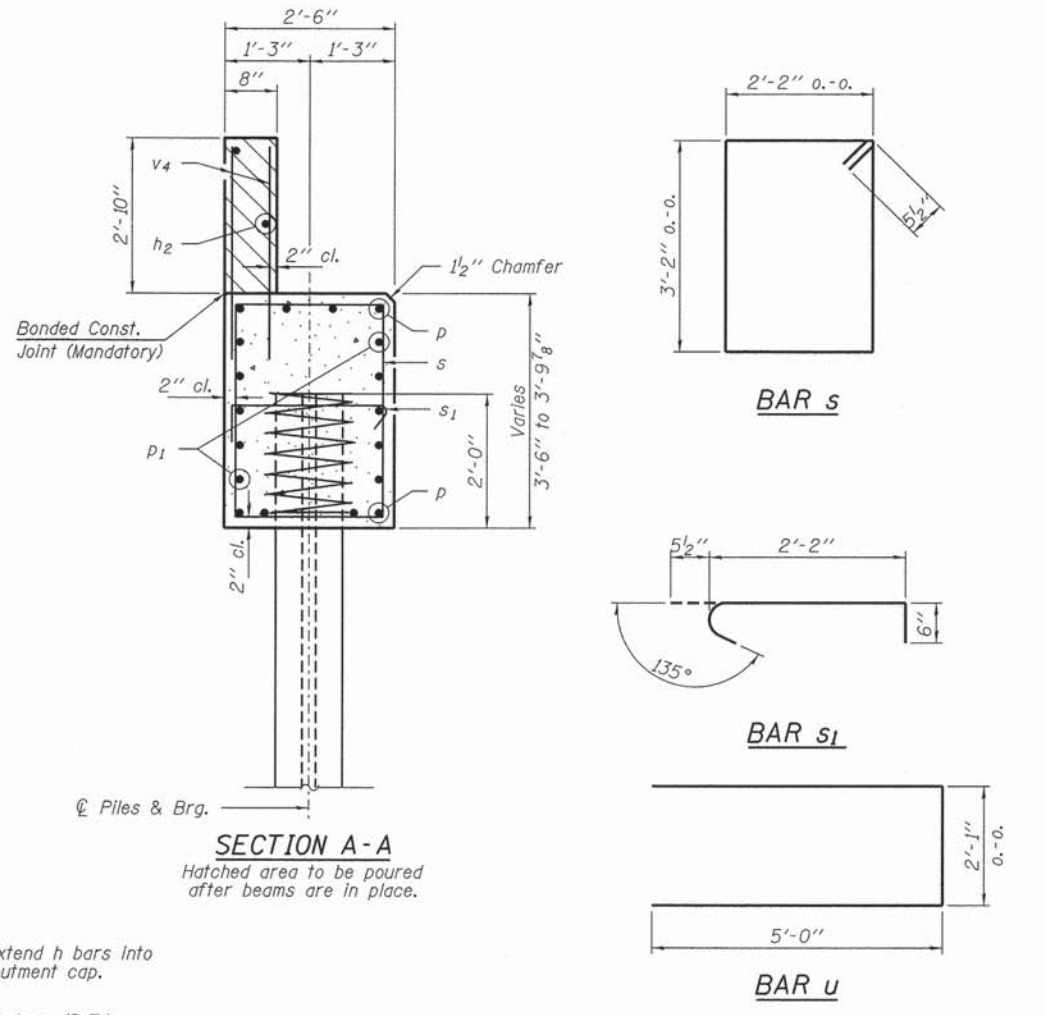
WEST ABUTMENT
STRUCTURE NO. 026-3463
 SHEET NO. 9 OF 15 SHEETS

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
631	13-00125-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	52

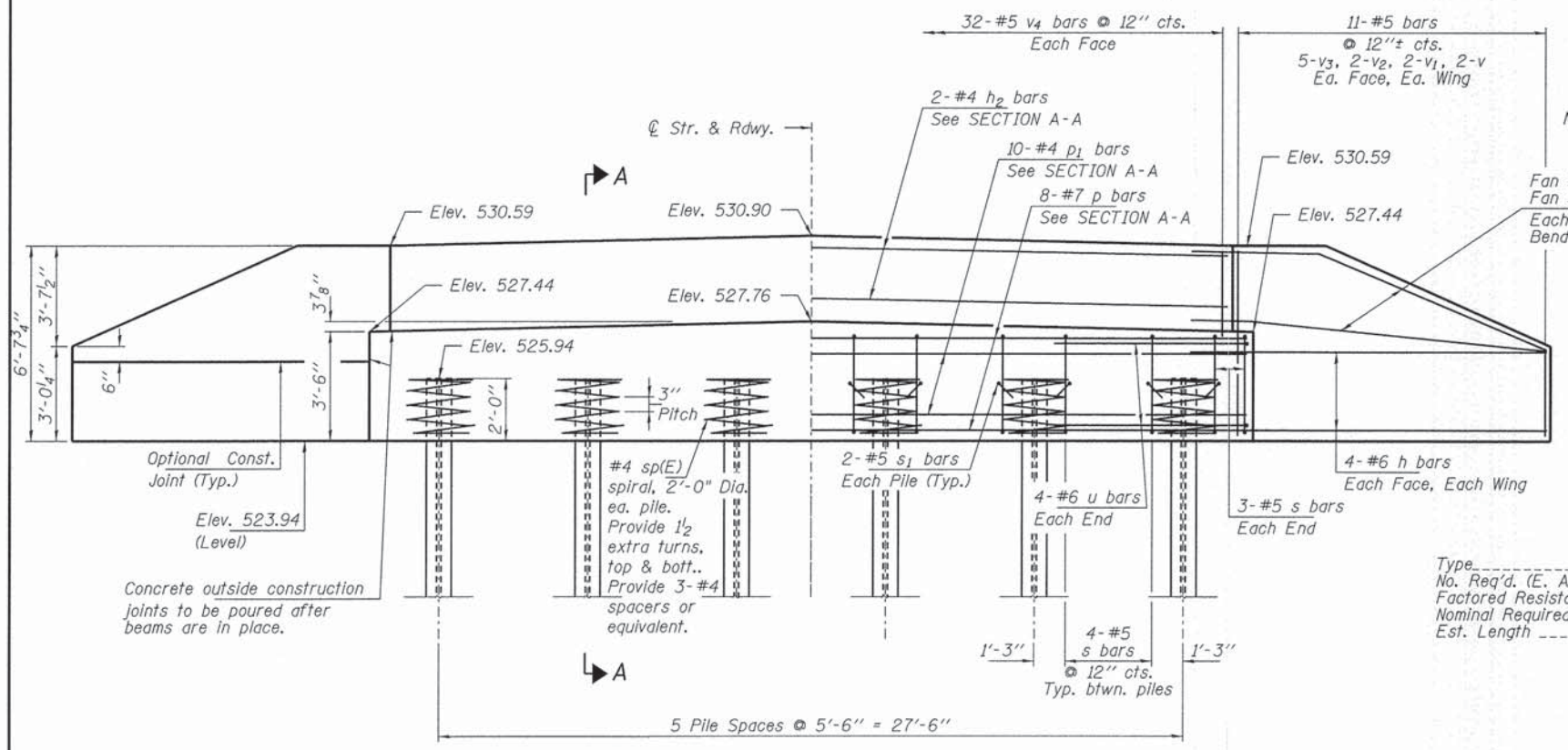
CONTRACT NO. 95769
 ILLINOIS FED. AID PROJECT BR5-0651(08)



PLAN



SECTION A-A



ELEVATION
(Looking East)

Note: Extend h bars into abutment cap.

Fan 3-#6 h bars (B.F.)
Fan 3-#4 h1 bars (F.F.)
Each Wing
Bend in field.

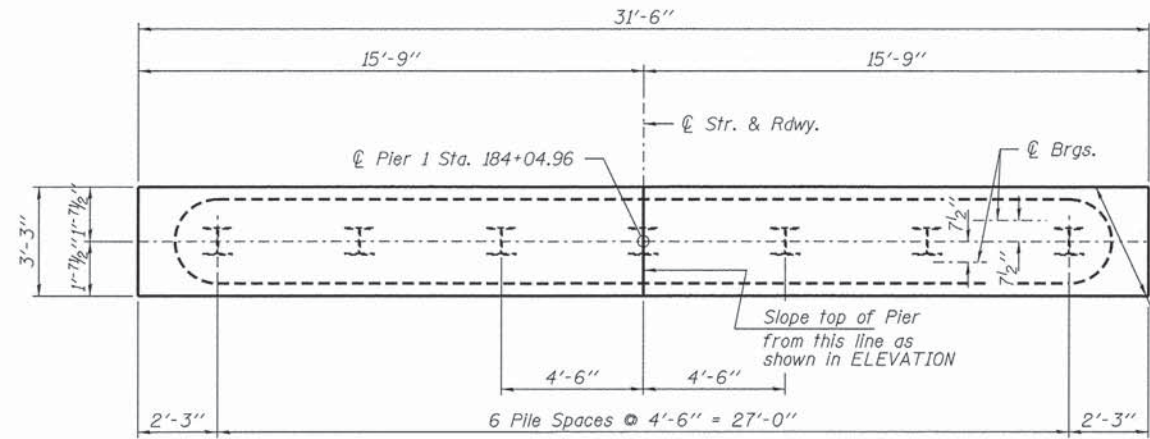
PILE DATA

Type: Steel HP14x89
No. Req'd. (E. Abut.): 6
Factored Resistance Available (Rf): 388 Kips/Pile
Nominal Required Bearing (Rn): 705 Kips/Pile
Est. Length: 100 Ft/Pile

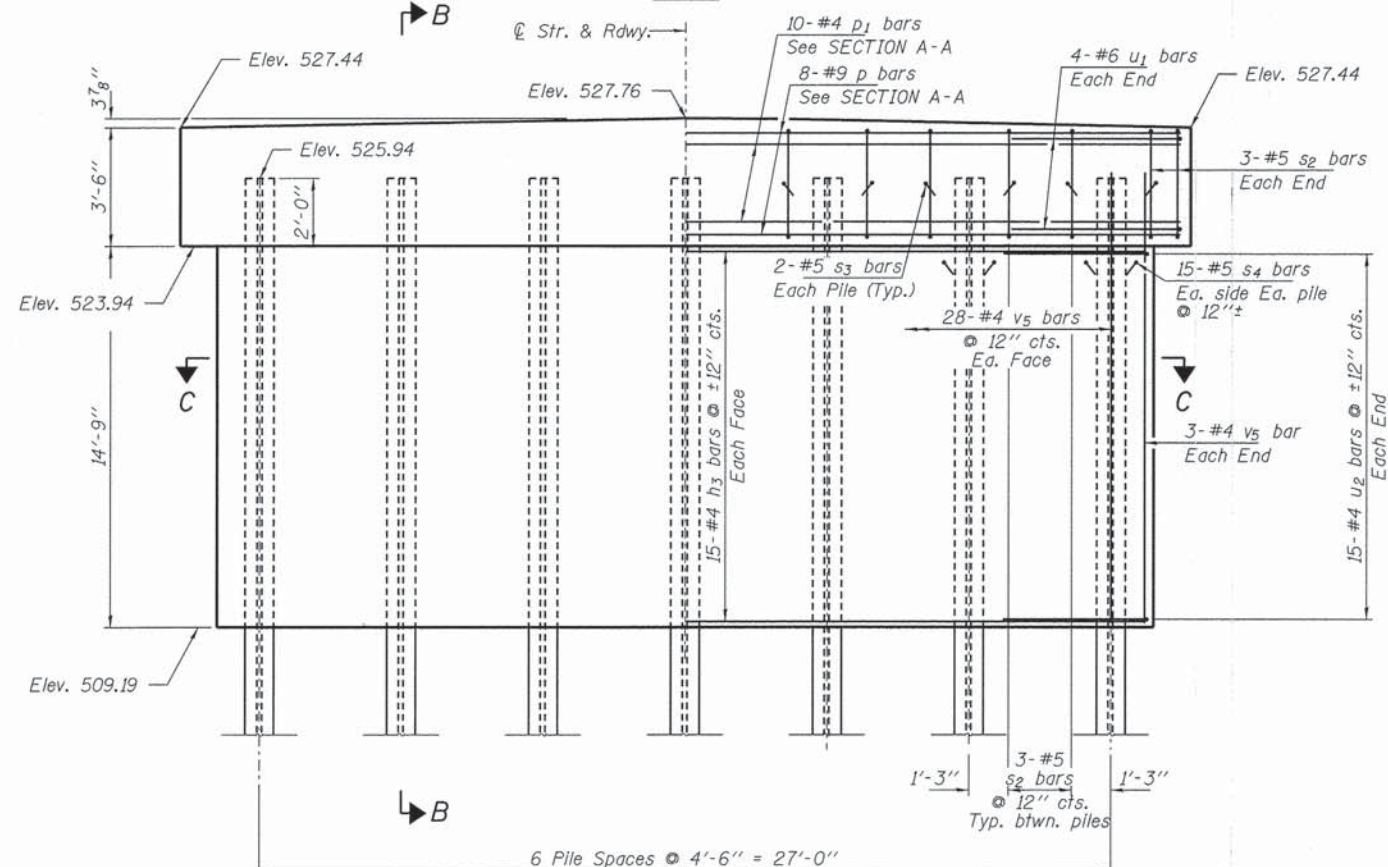
BILL OF MATERIAL - E. ABUT.

BAR	NO.	SIZE	LENGTH	SHAPE
h	22	#6	11'-6"	—
h1	6	#4	10'-0"	—
h2	2	#4	31'-2"	—
p	8	#7	31'-2"	—
p1	10	#4	31'-2"	—
s	26	#5	11'-7"	□
s1	12	#5	3'-2"	U
*sp	6	#4	2'-0"	MWM
u	8	#6	12'-1"	U
v	8	#5	2'-9"	—
v1	8	#5	3'-9"	—
v2	8	#5	4'-9"	—
v3	20	#5	5'-9"	—
v4	64	#5	3'-8"	—
Concrete Structures			Cu. Yd.	16.9
Reinforcement Bars, Epoxy Coated			Pound	2,340
Steel Piles HP14x89			Foot	600
Driving Piles			Foot	600
Concrete Sealer			Sq. Ft.	57

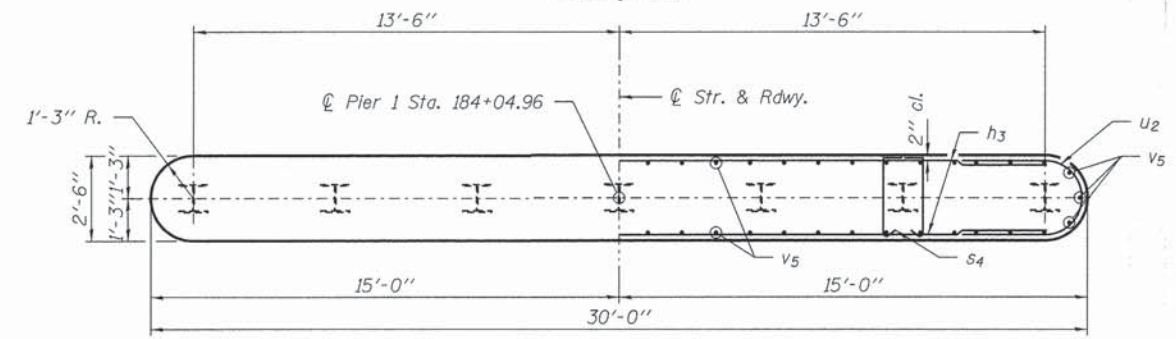
All reinforcement bars shall be epoxy coated
*Length is height of spiral



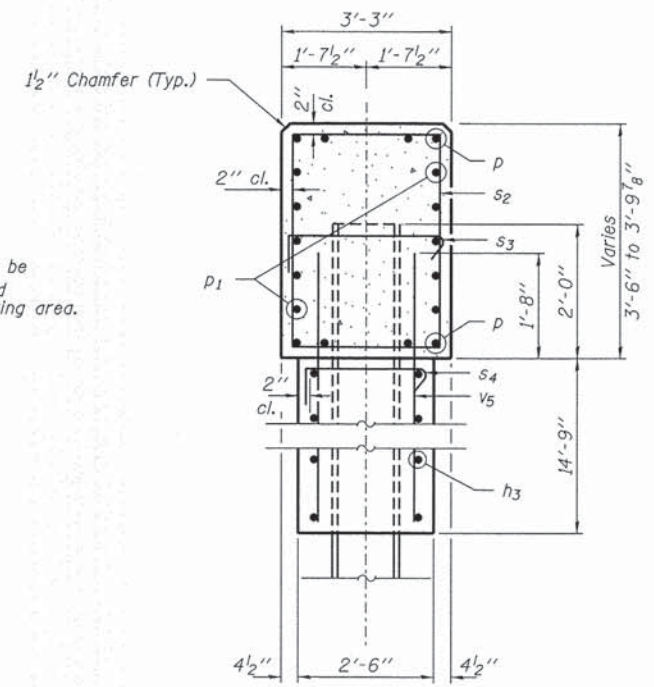
PLAN



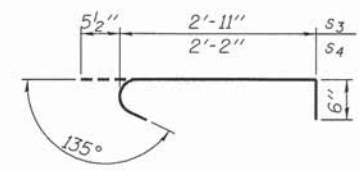
ELEVATION
(Looking East)



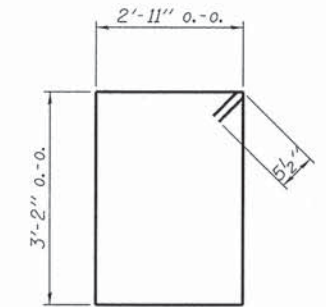
SECTION C-C



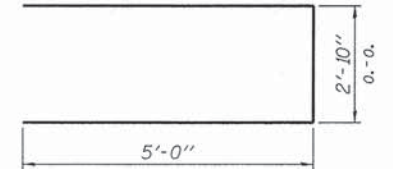
SECTION B-B



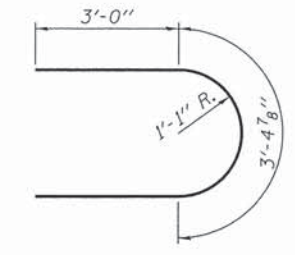
BAR s3 & s4



BAR s2



BAR u1



BAR u2

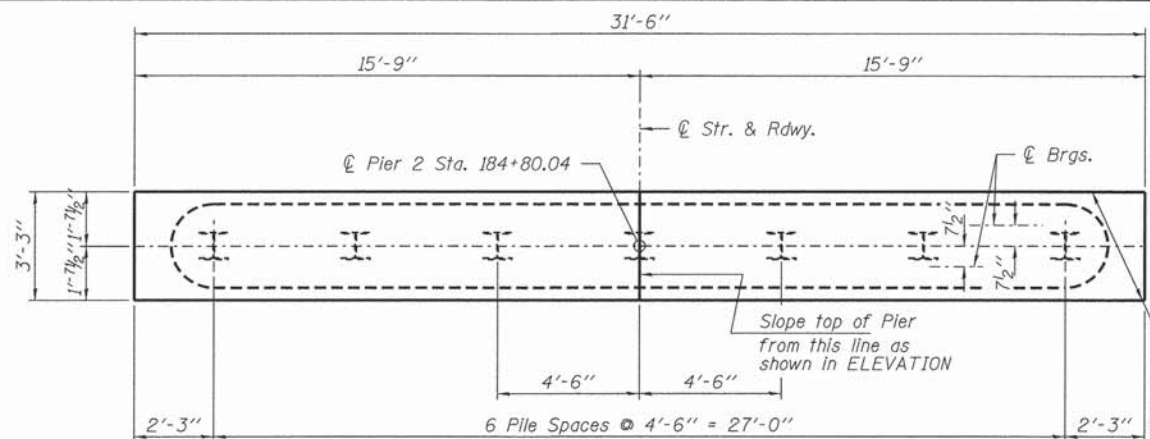
PILE DATA

Type: Steel HP14x89
 No. Req'd. (Pier 1): 7
 Factored Resistance Available (Rf): 388 Kips/Pile
 Nominal Required Bearing (Rn): 705 Kips/Pile
 Est. Length: 100 Ft/Pile

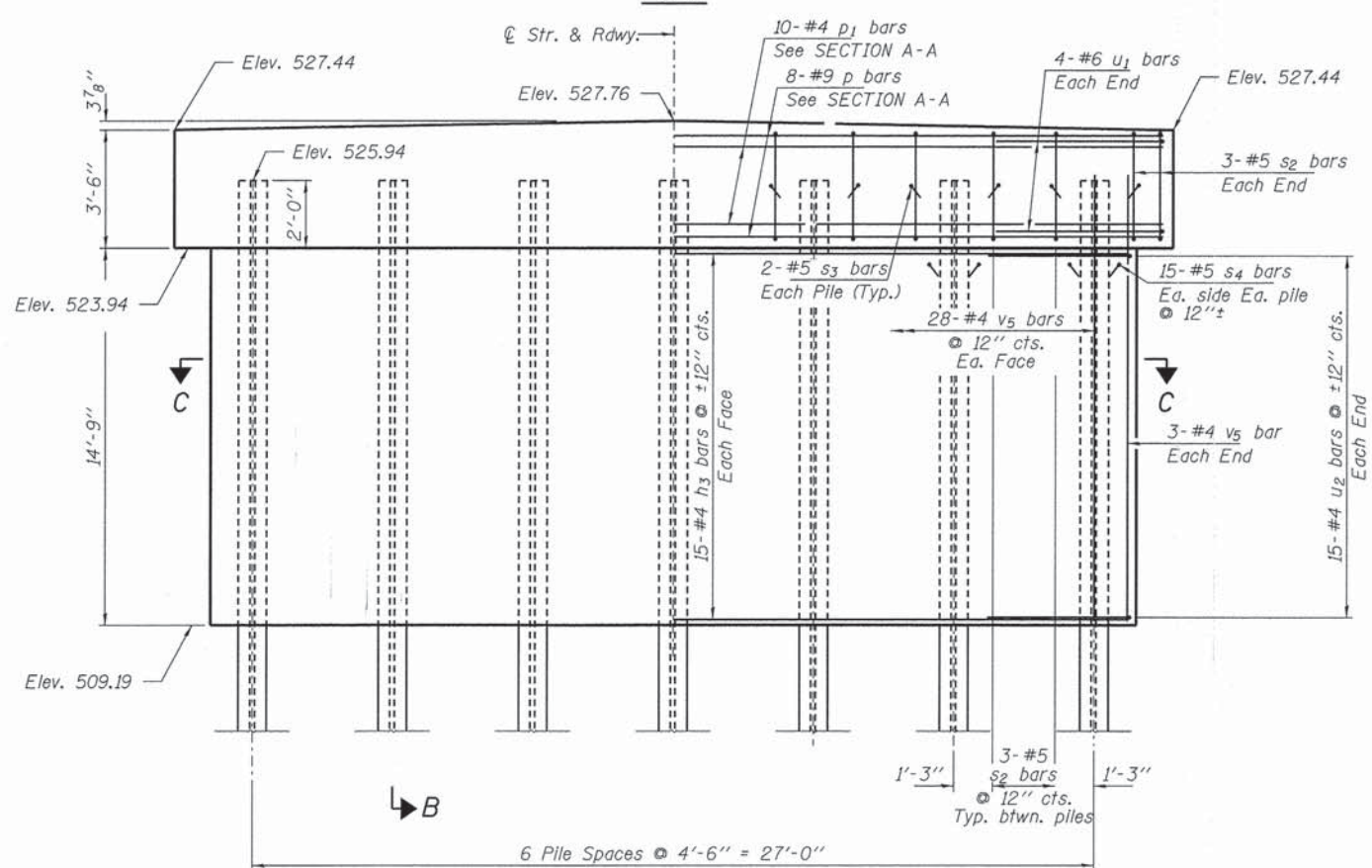
BILL OF MATERIAL - PIER 1

BAR	NO.	SIZE	LENGTH	SHAPE
h3	30	#4	27'-6"	—
p	8	#9	31'-2"	—
p1	10	#4	31'-2"	—
s2	24	#5	13'-1"	□
s3	14	#5	3'-11"	U
s4	210	#5	3'-2"	U
u1	8	#6	12'-10"	U
u2	30	#4	9'-5"	U
v5	62	#4	16'-3"	—
Concrete Structures			Cu. Yd.	52.8
Reinforcement Bars, Epoxy Coated			Pound	3,690
Steel Piles HP14x89			Foot	700
Driving Piles			Foot	700
Cofferdam Excavation			Cu. Yd.	195
Cofferdam (Type 2) (Location - 1)			Each	1
Seal Coat Concrete			Cu. Yd.	44.3
Concrete Sealer			Sq. Ft.	103

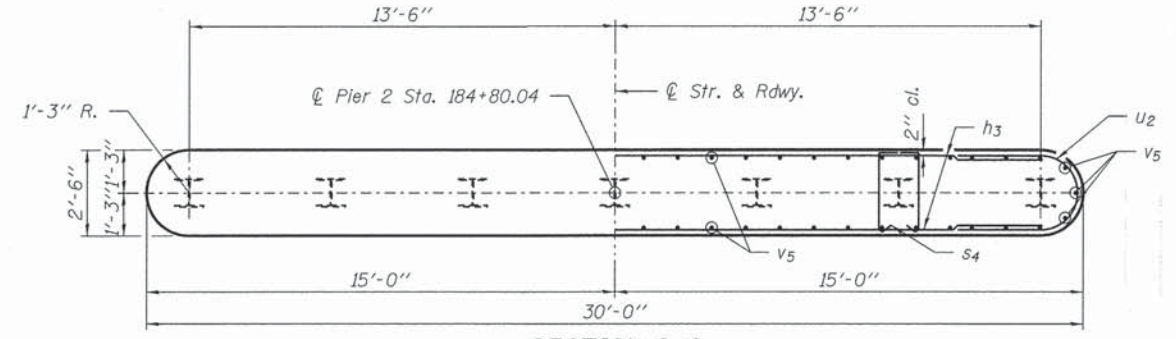
All reinforcement bars shall be epoxy coated



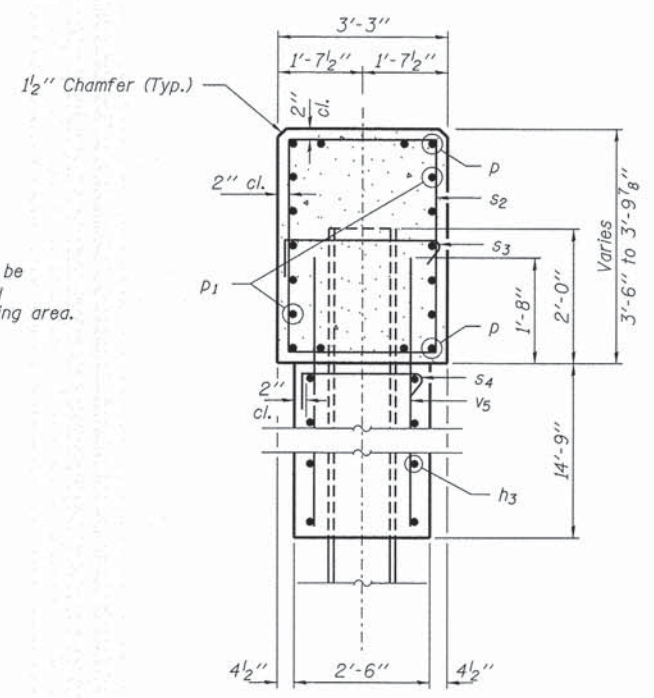
PLAN



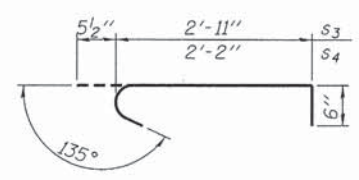
ELEVATION
(Looking East)



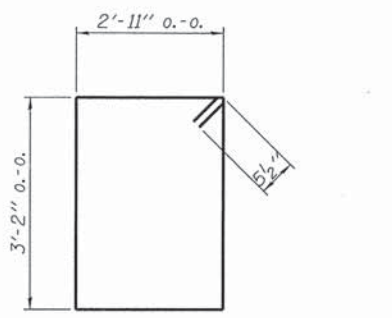
SECTION C-C



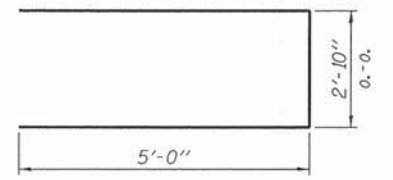
SECTION B-B



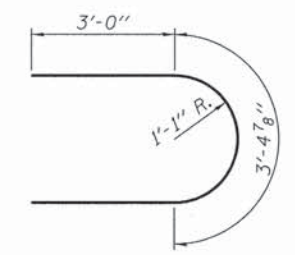
BAR s3 & s4



BAR s2



BAR u1



BAR u2

BILL OF MATERIAL - PIER 2

BAR	NO.	SIZE	LENGTH	SHAPE
h3	30	#4	27'-6"	—
p	8	#9	31'-2"	—
p1	10	#4	31'-2"	—
s2	24	#5	13'-1"	□
s3	14	#5	3'-11"	□
s4	210	#5	3'-2"	□
u1	8	#6	12'-10"	U
u2	30	#4	9'-5"	U
v5	62	#4	16'-3"	—
Concrete Structures			Cu. Yd.	52.8
Reinforcement Bars, Epoxy Coated			Pound	3,690
Steel Piles HP14x89			Foot	600
Driving Piles			Foot	600
Test Pile Steel HP14x89			Each	1
Cofferdam Excavation			Cu. Yd.	145
Cofferdam (Type 2) (Location - 2)			Each	1
Seal Coat Concrete			Cu. Yd.	44.3
Concrete Sealer			Sq. Ft.	103

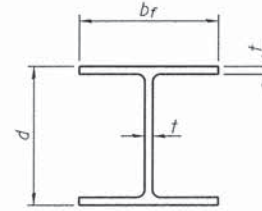
All reinforcement bars shall be epoxy coated

PILE DATA

Type Steel HP14x89
 No. Req'd. (Pier 2) *7
 Factored Resistance Available (Rf) 388 Kips/Pile
 Nominal Required Bearing (Rn) 705 Kips/Pile
 Est. Length 100 Ft/Pile

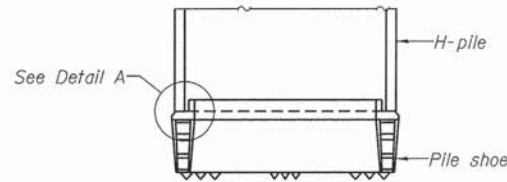
Notes: * Includes one test pile to be driven in a permanent location at Pier 2.

The test pile shall be driven to 110 percent of the Nominal Required Bearing Indicated in the pile data information.

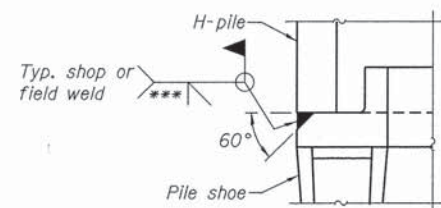


STEEL PILE TABLE

Designation	Depth d	Flange width br	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	13/16"	30"
x102	14"	14 3/4"	1/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 5/8"	14 5/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	1/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 3/8"	1/2"	24"
x53	11 3/4"	12"	7/16"	24"
HP 10x57	10"	10 1/4"	9/16"	24"
x42	9 3/4"	10 3/8"	7/16"	24"
HP 8x36	8"	8 3/8"	7/16"	18"

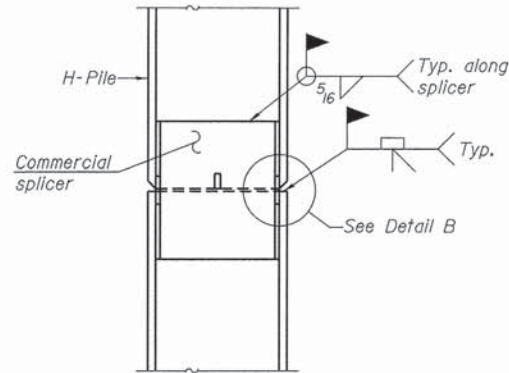


ELEVATION

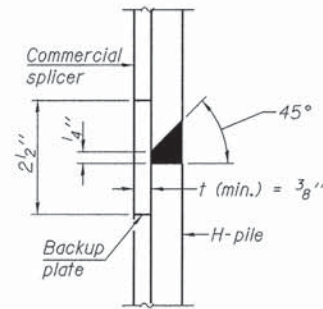


DETAIL A

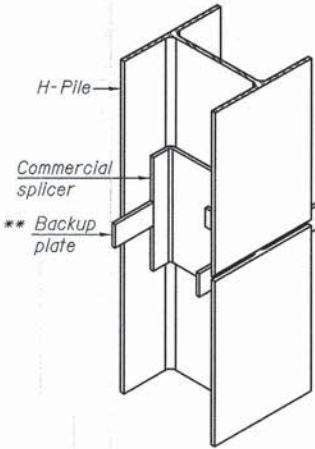
H-PILE SHOE ATTACHMENT



ELEVATION

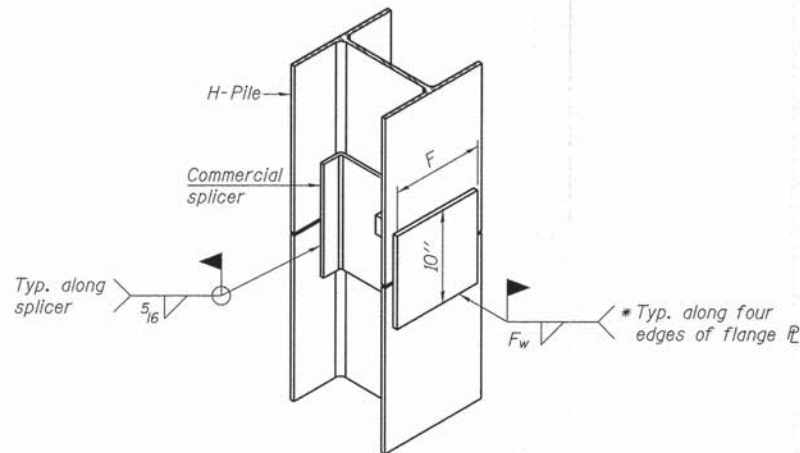


DETAIL "B"



ISOMETRIC VIEW

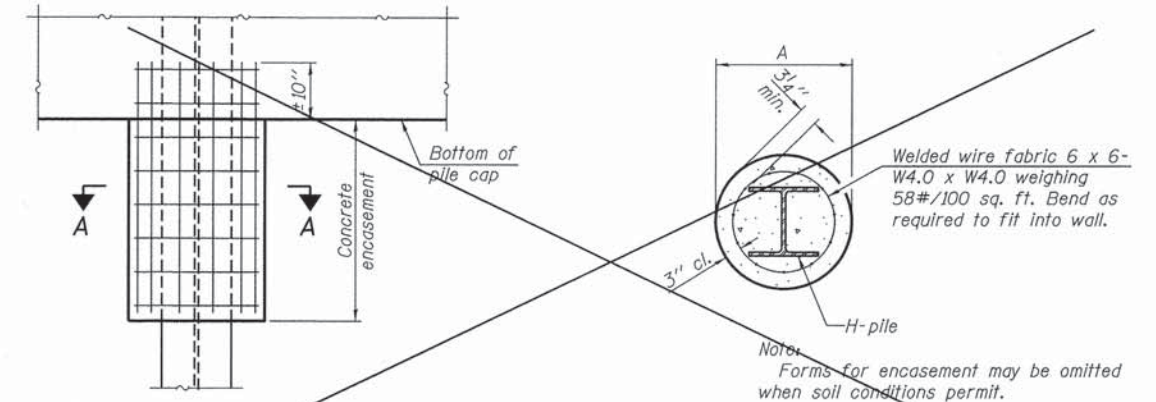
WELDED COMMERCIAL SPLICE



ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE ALTERNATE

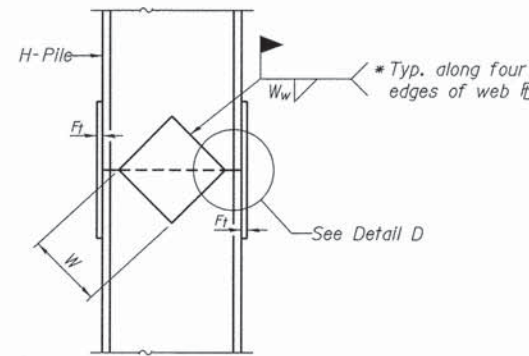
- * Interrupt welds 1/4" from end of web and/or each flange.
- ** Remove portions of backup plates that extend outside the flanges.
- *** Weld size per pile shoe manufacturer (5/16" min.).



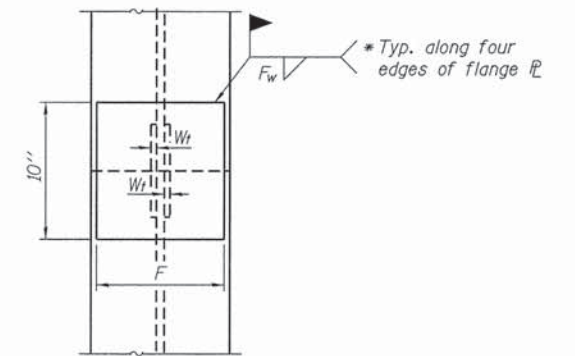
ELEVATION

SECTION A-A

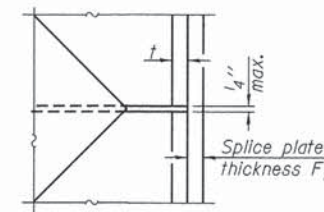
PILE ENCASEMENT
(Not Required)



ELEVATION



END VIEW



DETAIL D

WELDED PLATE FIELD SPLICE

Designation	F	F _t	F _w	W	W _t	W _w
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	5/8"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	5/8"	1/2"
x89	12 1/2"	3/4"	1/16"	7 3/4"	5/8"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5/8"	1/2"
HP 12x84	10"	7/8"	1/16"	6 1/2"	5/8"	1/2"
x74	10"	7/8"	1/16"	6 1/2"	5/8"	1/2"
x63	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
x53	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
HP 10x57	8"	3/4"	9/16"	5 1/4"	1/2"	3/8"
x42	8"	5/8"	9/16"	5 1/4"	1/2"	3/8"
HP 8x36	7"	5/8"	7/16"	4 1/4"	1/2"	3/8"

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

F-HP

1-27-12

FILE NAME = 138257-shr-bridge.dgn	USER NAME =	DESIGNED - D.W.T.	REVISED -	STATE OF ILLINOIS FAYETTE /SHELBY COUNTY HIGHWAY DEPARTMENT	HP PILE DETAILS STRUCTURE NO. 026-3463	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
HAMPTON, LENZINI AND RENWICK, INC. 3945 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62789 ILLINOIS PROFESSIONAL DESIGN FIRM L3 / PE / SE CORP. 184.000859	PLOT SCALE =	DRAWN - R.D.H.	REVISED -			631	13-00125-00-BR / 14-00280-00-BR	FAYETTE / SHELBY	58	56	
	PLOT DATE = 4/17/2015	CHECKED - S.W.M.	REVISED -			CONTRACT NO. 95769					
						ILLINOIS FED. AID PROJECT BRS-0651(109)					

NOBLE		BORING No. B-1			water level reading					
ENGINEERING CONSULTANTS	County: Fayette, IL	Sheet No. 1 of 3	1st encounter: 23'							
Client: HLR	Weather: Overcast	Temperature: 20's	water level reading							
Driller: Noble Engineering Consultants	Date Start: 1-17-14	Surface Elevation: Bridge Deck	@completion	cave						
Location: Structure #026-3261	Date Finished: 1-17-14	Driller: Tony Schocker	Backfill:	Soil Cuttings						
Depth	Sample No.	Sample Depth	N-Value	Blow Count	Recovery (%)	Qp (tsf)*	Soil Description	W %	USC Class.	Elev.**
1							0.0'-0.4' Asphaltic pavement and base			-1
2	SS-1	1.0'-2.5'	18	8-8-10	30	-	0.4'-14' silt, clay, organics, etc, FILL, brown		FILL	-2
3										-3
4	SS-2	3.5'-5.0'	15	4-7-8	100	-			FILL	-4
5										-5
6	SS-3	6.0'-7.5'	9	2-4-5	100	-			FILL	-6
7										-7
8										-8
9	SS-4	8.5'-10.0'	17	2-8-9	100	-			FILL	-9
10										-10
11										-11
12										-12
13										-13
14	SS-5	13.5'-15.0'	9	3-4-5	100	-	14.0'-50.0' SILTY FINE SAND, trace gravel, loose to medium dense, wet to saturated below 23', gray		SM	-14
15										-15
16										-16
17										-17
18										-18
19	SS-6	18.5'-20.0'	6	2-3-3	100	-			SM	-19
20										-20
21										-21
22										-22
23										-23
24	SS-7	23.5'-25.0'	9	3-4-5	100	-			SM	-24
25										-25
26										-26
27										-27
28										-28
29										-29
30	SS-8	28.5'-30.0'	8	2-4-4	70	-			SM	-30
Drilling Method: HSA (2-1/4" ID) comments: * Qp test is an estimate of the unconfined compressive strength performed by a compact calibrated spring loaded cylinder Depth: 0' to 75' Drill Rig: Mobile B-47 ** ground surface elevation at boring location is estimated and is not surveyed Sampling: split-spoon (SS)										

NOBLE		BORING No. B-1			water level reading					
ENGINEERING CONSULTANTS	County: Fayette, IL	Sheet No. 2 of 3	1st encounter: 23'							
Client: HLR	Weather: Overcast	Temperature: low 20's	water level reading							
Driller: Noble Engineering Consultants	Date Start: 1-17-14-13	Surface Elevation: Bridge Deck	@completion	cave						
Location: Structure #026-3261	Date Finished: 1-17-14	Driller: Tony Schocker	Backfill:	Soil Cuttings						
Depth	Sample No.	Sample Depth	N-Value	Blow Count	Recovery (%)	Qp (tsf)*	Soil Description	W %	USC Class.	Elev.**
31										
32										
33										
34	SS-9	33.5'-35.0'	11	3-5-6	100	-			SM	
35										
36										
37										
38										
39	SS-10	38.5'-40.0'	11	2-5-6	100	-	14.0'-50.0' SILTY FINE SAND, trace gravel, loose to medium dense, wet to saturated below 23', gray		SM	
40										
41										
42										
43										
44	SS-11	43.5'-45.0'	16	5-7-9	80	-			SM	
45										
46										
47										
48										
49	SS-12	48.5'-50.0'	16	5-9-7	100	-			SM	
50										
51										
52										
53										
54	SS-13	53.5'-55.0'	13	9-7-6	20	-	50.0'-75.0' SANDY GRAVEL, trace silt, medium dense, saturated, gray		GP	
55										
56										
57										
58										
59										
60	SS-14	58.5'-60.0'	19	4-9-10	80	-			GP	
Drilling Method: HSA (2-1/4" ID) comments: * Qp test is an estimate of the unconfined compressive strength performed by a compact calibrated spring loaded cylinder Depth: 0' to 75' Drill Rig: Mobile B-47 ** ground surface elevation at boring location is estimated and is not surveyed Sampling: split-spoon (SS)										

NOBLE		BORING No. B-1			water level reading					
ENGINEERING CONSULTANTS	County: Fayette, IL	Sheet No. 3 of 3	1st encounter: 23'							
Client: HLR	Weather: Overcast	Temperature: low 20's	water level reading							
Driller: Noble Engineering Consultants	Date Start: 1-17-14	Surface Elevation: Bridge Deck	@completion	cave						
Location: Structure #026-3261	Date Finished: 1-17-14	Driller: Tony Schocker	Backfill:	Soil Cuttings						
Depth	Sample No.	Sample Depth	N-Value	Blow Count	Recovery (%)	Qp (tsf)*	Soil Description	W %	USC Class.	Elev.**
61										
62										
63										
64	SS-15	63.5'-65.0'	21	7-9-12	90	-	50.0'-75.0' SANDY GRAVEL, trace silt, medium dense, saturated, gray		GP	
65										
66										
67										
68										
69	SS-16	68.5'-70.0'	16	7-8-8	100	-			GP	
70										
71										
72										
73										
74	SS-17	73.5'-75.0'	17	6-8-9	30	-			GP	
75										
Drilling Method: HSA (2-1/4" ID) comments: * Qp test is an estimate of the unconfined compressive strength performed by a compact calibrated spring loaded cylinder Depth: 0' to 75' Drill Rig: Mobile B-47 ** ground surface elevation at boring location is estimated and is not surveyed Sampling: split-spoon (SS)										

BORING B-1

NOBLE		BORING No. B-2		water level reading						
ENGINEERING CONSULTANTS		County: Fayette, IL	Sheet No. 1 of 3	1st encounter: 18'						
Client: HLR		Weather: Overcast	Temperature: 20's	water level reading						
Driller: Noble Engineering Consultants		Date Start: 1-17-14	Surface Elevation: Bridge Deck	@completion	cave					
Location: Structure #026-3261		Date Finished: 1-17-14	Driller: Tony Schocker	Backfill:	Soil Cuttings					
Depth	Sample No.	Sample Depth	N-Value	Blow Count	Recovery (%)	Qp (tsf)*	Soil Description	W %	USC Class.	Elev.**
1							0.0'-0.4' Asphaltic pavement and base			-1
2	SS-1	1.0'-2.5'	18	9-8-10	70	-	0.4'-12' silt, clay, organics, etc, FILL, brown		FILL	-2
3										-3
4	SS-2	3.5'-5.0'	10	2-4-6	100	-			FILL	-4
5										-5
6	SS-3	6.0'-7.5'	15	3-6-9	100	-			FILL	-6
7										-7
8										-8
9	SS-4	8.5'-10.0'	18	4-8-10	100	-			FILL	-9
10										-10
11										-11
12										-12
13										-13
14	SS-5	13.5'-15.0'	4	2-2-2	100	-	12.0'-46.0' SILTY FINE SAND, occ. wet silt seams, loose to medium dense, wet to saturated below 18', gray		SM	-14
15										-15
16										-16
17										-17
18										-18
19	SS-6	18.5'-20.0'	9	3-4-5	100	-			SM	-19
20										-20
21										-21
22										-22
23										-23
24	SS-7	23.5'-25.0'	10	4-5-5	100	-			SM	-24
25										-25
26										-26
27										-27
28										-28
29										-29
30	SS-8	28.5'-30.0'	9	3-4-5	100	-			SM	-30
Drilling Method: HSA (2-1/4" ID)						comments * Qp test is an estimate of the unconfined compressive strength performed by a compact calibrated spring loaded cylinder				
Depth: 0' to 75'						** ground surface elevation at boring location is estimated and is not surveyed				
Drill Rig: Mobile B-47						Sampling: split-spoon (SS)				

NOBLE		BORING No. B-2		water level reading						
ENGINEERING CONSULTANTS		County: Fayette, IL	Sheet No. 2 of 3	1st encounter: 18'						
Client: HLR		Weather: Overcast	Temperature: low 20's	water level reading						
Driller: Noble Engineering Consultants		Date Start: 1-18-14	Surface Elevation: Bridge Deck	@completion	cave					
Location: Structure #026-3261		Date Finished: 1-18-14	Driller: Tony Schocker	Backfill:	Soil Cuttings					
Depth	Sample No.	Sample Depth	N-Value	Blow Count	Recovery (%)	Qp (tsf)*	Soil Description	W %	USC Class.	Elev.**
31										
32										
33										
34	SS-9	33.5'-35.0'	10	3-5-5	100	-			SM	
35										
36										
37										
38										
39	SS-10	38.5'-40.0'	14	4-7-7	100	-	12.0'-46.0' SILTY FINE SAND, occ. wet silt seams, loose to medium dense, wet to saturated below 18', gray		SM	
40										
41										
42										
43										
44	SS-11	43.5'-45.0'	15	5-7-8	100	-			SM	
45										
46										
47										
48										
49	SS-12	48.5'-50.0'	12	4-5-7	100	-			SM	
50										
51										
52										
53										
54	SS-13	53.5'-55.0'	15	5-7-8	80	-	46.0'-75.0' SANDY GRAVEL, trace silt, medium dense, saturated, gray		GP	
55										
56										
57										
58										
59										
60	SS-14	58.5'-60.0'	17	4-9-8	100	-			GP	
Drilling Method: HSA (2-1/4" ID)						comments * Qp test is an estimate of the unconfined compressive strength performed by a compact calibrated spring loaded cylinder				
Depth: 0' to 75'						** ground surface elevation at boring location is estimated and is not surveyed				
Drill Rig: Mobile B-47						Sampling: split-spoon (SS)				

NOBLE		BORING No. B-2		water level reading						
ENGINEERING CONSULTANTS		County: Fayette, IL	Sheet No. 3 of 3	1st encounter: 18'						
Client: HLR		Weather: Overcast	Temperature: low 20's	water level reading						
Driller: Noble Engineering Consultants		Date Start: 1-18-14	Surface Elevation: Bridge Deck	@completion	cave					
Location: Structure #026-3261		Date Finished: 1-18-14	Driller: Tony Schocker	Backfill:	Soil Cuttings					
Depth	Sample No.	Sample Depth	N-Value	Blow Count	Recovery (%)	Qp (tsf)*	Soil Description	W %	USC Class.	Elev.**
61										
62										
63										
64	SS-15	63.5'-65.0'	19	5-8-11	100	-			GP	
65										
66										
67										
68										
69	SS-16	68.5'-70.0'	21	7-10-11	100	-	46.0'-75.0' SANDY GRAVEL, trace silt, medium dense, saturated, gray		GP	
70										
71										
72										
73										
74	SS-17	73.5'-75.0'	19	7-8-11	100	-			GP	
75										
EOB 75'										
Drilling Method: HSA (2-1/4" ID)						comments * Qp test is an estimate of the unconfined compressive strength performed by a compact calibrated spring loaded cylinder				
Depth: 0' to 75'						** ground surface elevation at boring location is estimated and is not surveyed				
Drill Rig: Mobile B-47						Sampling: split-spoon (SS)				

BORING B-2