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UTILITY CONTACTS

NAME AND ADDRESS OF UTILITIES	TYPE
FRONTIER COMMUNICATIONS ATTN: DARRELL SENIOR 309-827-1253	CABLE TV
JO-CARROLL ENERGY, INC ATTN: SUSAN GLICK 815-858-2207 (EXT. 1262) 793 US RT 20W ELIZABETH, IL 61028	ELECTRIC / GAS
ATT / DISTRIBUTION ATTN: LEGAL MANDATE 630-573-5450 1000 COMMERCE DRIVE OAKBROOK, IL 60523	TELEPHONE
UTILITIES, INC. ATTN: THOMAS TAPPELLA 847-682-9926 (CELL)	WATER

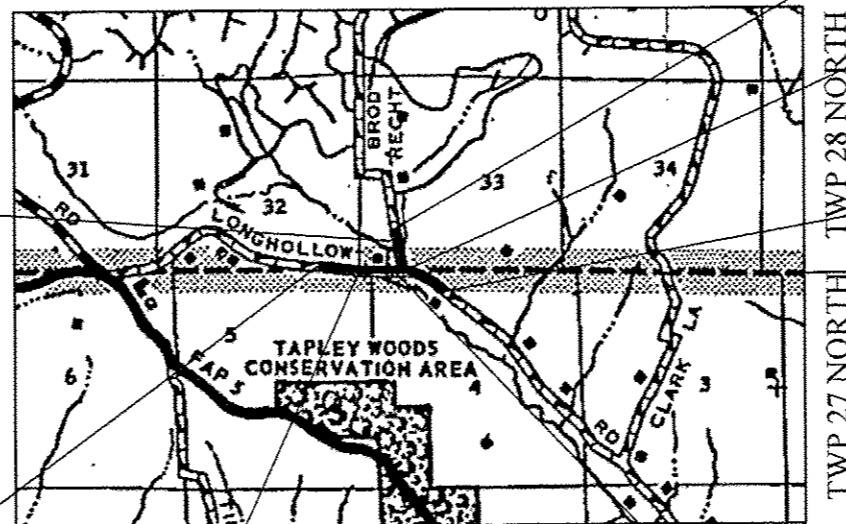
**STATE OF ILLINOIS
JO DAVIESS COUNTY
PLANS FOR PROPOSED
BRIDGE CONSTRUCTION
LONGHOLLOW ROAD BRIDGE
REPLACEMENT PROJECT
SECTION 11-07115-00-BR
ELIZABETH TOWNSHIP / GUILFORD TOWNSHIP
TR117 (LONGHOLLOW ROAD)
PROJECT BROS-0085(056)
JOB NO. C-92-067-13
CONTRACT NO. 85595**

STANDARDS

73+1 = 85595 74 Sheets

000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
515001-03	NAME PLATE FOR BRIDGES
602401-03	MANHOLE TYPE A
602701-02	MANHOLE STEPS
604001-03	FRAMES AND LIDS TYPE 1
606101-04	TYPE A GUTTER (INLET, OUTLET & ENTRANCE)
606106-04	OUTLET TYPE 1 FOR TYPE A GUTTER
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24' (600 mm) FROM PAVEMENT EDGE
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS- DAY ONLY
701901-03	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPE A & B METAL POSTS (FOR SIGNS AND MARKERS)
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
780001-04	TYPICAL PAVEMENT MARKINGS
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
BLR 22-7	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS (TWO-LANE TWO WAY RURAL TRAFFIC) (ROAD CLOSED TO THRU TRAFFIC)

RANGE 2 EAST OF 4TH P.M.



PROPOSED STRUCTURE:
S.N. 043-3282
A DOUBLE BARREL (12'-0" X 7'-6")
REINFORCED CONCRETE BOX CULVERT
AT STATION 109+37, SKEWED 35°
RIGHT AHEAD.

LONGHOLLOW ROAD
CONSTRUCTION BEGINS
STATION 10+00

PROPOSED STRUCTURE:
S.N. 043-3279
A SINGLE BARREL (9'-0" X 7'-6")
REINFORCED CONCRETE BOX CULVERT
AT STATION 17+30, SKEWED 10°
RIGHT AHEAD.

BRODRECHT ROAD
CONSTRUCTION ENDS
STATION 113+50

BRODRECHT ROAD
CONSTRUCTION BEGINS
STATION 100+00 =
STATION 20+72.30
LONGHOLLOW ROAD

LONGHOLLOW ROAD
CONSTRUCTION ENDS
STATION 26+00

PROPOSED STRUCTURE:
S.N. 043-3279
A TRIPLE BARREL (12'-0" X 11'-6")
REINFORCED CONCRETE BOX CULVERT
WITH STEEL SHEET PILING WINGWALLS
AT STATION 20+00, SKEWED 20°
RIGHT AHEAD.

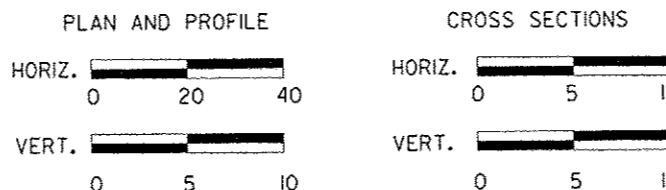
DESIGN CRITERIA

DESIGN SPEED: 40 MPH			
FUNCTIONAL CLASSIFICATION	HIGHWAY	ADT (2033)	% TRUCKS
LOCAL ROAD (NON-URBAN)	LONGHOLLOW ROAD	660	12.0
LOCAL ROAD (NON-URBAN)	BRODRECHT ROAD	460	12.0

LOCATION MAP

LONGHOLLOW ROAD
NET LENGTH OF PROJECT = 1,600 FEET = 0.30 MILES

BRODRECHT ROAD
NET LENGTH OF PROJECT = 1,350 FEET = 0.26 MILES



JO DAVIESS COUNTY HIGHWAY DEPARTMENT

APPROVED 6/24/13 DATE
Jana Kraemer
ELIZABETH TOWNSHIP ROAD COMMISSIONER

APPROVED 6/24/13 DATE
Jeff Winders
GUILFORD TOWNSHIP ROAD COMMISSIONER

APPROVED 6/12/13 DATE
[Signature]
JO DAVIESS COUNTY ENGINEER

PASSED Dec. 11, 2013 DATE
[Signature]
DISTRICT 2 LOCAL ROADS ENGINEER

RELEASED FOR BID
BASED ON LIMITED
REVIEW
Dec. 11, 2013 DATE
[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION 2 ENGINEER



DATE 6-19-13
EXPIRES 11/30/13



WILLETT HOFMANN
& ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

SUMMARY OF QUANTITIES

ITEM NO.	CODE NO.	ITEM	CONSTRUCTION TYPE CODE	
			UNIT	QUANTITY
1	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	259
2	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	428
3	20200200	ROCK EXCAVATION	CU YD	50
4	20201200*	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	868
5	20400800	FURNISHED EXCAVATION	CU YD	7,673
6	20800150	TRENCH BACKFILL	CU YD	70
7	25100630	EROSION CONTROL BLANKET	SO YD	15,987
8	25100900	TURF REINFORCEMENT MAT	SO YD	11,768
9	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	572
10	28000305	TEMPORARY DITCH CHECKS	FOOT	45
11	28000400	PERIMETER EROSION BARRIER	FOOT	3,097
12	28000500	INLET AND PIPE PROTECTION	EACH	4
13	28100709	STONE DUMPED RIPRAP, CLASS A5	SO YD	730
14	28200200	FILTER FABRIC	SO YD	145
15	30300011*	AGGREGATE SUBGRADE IMPROVEMENT	TON	1,781
16	31101000*	SUB-BASE GRANULAR MATERIAL, TYPE B	TON	3,589
17	35100100*	AGGREGATE BASE COURSE, TYPE A	TON	1,794
18	35101400*	AGGREGATE BASE COURSE, TYPE B	TON	2,451
19	40200800*	AGGREGATE SURFACE COURSE, TYPE B	TON	196
20	40600100*	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	4,213
21	40600300*	AGGREGATE (PRIME COAT)	TON	14
22	40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	984
23	40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N50	TON	983
24	42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SO YD	41
25	44000100	PAVEMENT REMOVAL	SO YD	799
26	48100500	AGGREGATE SHOULDERS, TYPE A 6"	SO YD	2,453
27	48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SO YD	424
28	50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
29	50500505	STUD SHEAR CONNECTORS	EACH	112
30	50800105*	REINFORCEMENT BARS	POUND	100,530
31	51500100	NAME PLATES	EACH	2
32	54003000	CONCRETE BOX CULVERTS	CU YD	636.9
33	542A1069	PIPE CULVERTS, CLASS A, TYPE 2 24"	FOOT	108
34	542A1099	PIPE CULVERTS, CLASS A, TYPE 2 54"	FOOT	60
35	542D5470	PIPE CULVERTS, CLASS D, TYPE 1 EQUIVALENT ROUND-SIZE 15"	FOOT	42
36	54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	3
37	54213699	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 54"	EACH	2
38	54215760	METAL END SECTIONS, EQUIVALENT ROUND-SIZE 15"	EACH	2
39	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1
40	60602500*	CONCRETE GUTTER, TYPE A	FOOT	663
41	63200310	GUARDRAIL REMOVAL	FOOT	64
42	67100100	MOBILIZATION	L SUM	1
43	70300100	SHORT-TERM PAVEMENT MARKING	FOOT	528
44	70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	176
45 +	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	6,570
46	X0322061*	TEMPORARY JUMP SPAN	L SUM	1
47	X2020410*	EARTH EXCAVATION (SPECIAL)	CU YD	15,256
48	X2070304*	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	1,077
49	X2501020*	SEEDING, CLASS 2A (SPECIAL)	ACRE	3.29
50	X2501750*	SEEDING, CLASS 4 (SPECIAL)	ACRE	2.43
51	X5015225*	PIPE CULVERT REMOVAL (SPECIAL)	FOOT	169
52	X5121800*	PERMANENT STEEL SHEET PILING	SO FT	2,556
53	X6060097*	CLASS SI CONCRETE (OUTLET), SPECIAL	CU YD	19.02
54	X7010216*	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
55	Z0022800*	FENCE REMOVAL	FOOT	2,369
56 +	XX006653*	FENCE (SPECIAL)	FOOT	2,555
57	XX008660*	GRADING AND SHAPING DITCH, SPECIAL	FOOT	127

* INDICATES SPECIAL PROVISION, GENERAL NOTE OR DETAILED DRAWING

+ SPECIALTY ITEMS



DESIGNED - J.R.R. REVISED -
 CHECKED - G.F.S. REVISED -
 DRAWN - D.L.B. REVISED -
 CHECKED - J.R.R. REVISED -

**JO DAVIESS COUNTY
 LONGHOLLOW ROAD BRIDGE REPLACEMENT
 2013**

SUMMARY OF QUANTITIES

SHEET NO. 1 OF 1 SHEETS

TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	02
WHA* 1062011		CONTRACT NO. 85595		
ILLINOIS FED. AID PROJECT BR05-00810561				

FILE: S:\PFD\1062011\1062011_2013\Drawings\LonghollowRoadBridgeReplacement.dwg

GENERAL NOTES

GENERAL NOTES

THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL PROPERTY MARKS, SECTION OR SUBSECTION MONUMENTS ENCOUNTERED UNTIL AN OWNER OR AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. ANY PROPERTY MARKS, SECTION OR SUBSECTION MONUMENTS UNLESS REFERENCED, DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.

THE CONTRACTOR SHALL REMOVE ALL STRUCTURES WITHIN THE EXISTING RIGHT OF WAY AS DIRECTED BY THE ENGINEER AND AS SHOWN ON THE PLANS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

ALL TELEPHONE AND ELECTRIC POLES, GAS PIPES, ETC. IN THE WAY OF THE IMPROVEMENT SHALL BE MOVED BY THE UTILITIES PRIOR TO CONSTRUCTION AND SHALL NOT BE INCLUDED IN THE CONTRACT. THE CONTRACTOR SHALL NOTIFY THE RESPECTIVE UTILITIES TO MAKE THE NECESSARY ADJUSTMENTS PRIOR TO THIS CONSTRUCTION.

THE LOCATION AND ELEVATION OF THE VARIOUS UNDERGROUND UTILITIES AS SHOWN ON THE PLANS ARE NOT TO BE TAKEN AS EXACT. THE CONTRACTOR SHALL USE SPECIAL CARE WHEN CONDUCTING CONSTRUCTION OPERATIONS NEAR THEM TO PREVENT DAMAGE.

THE FINAL TOP 4" OF SOIL IN ANY AREA DISTURBED BY THE CONTRACTOR MUST BE ABLE TO SUPPORT VEGETATION.

EXISTING STREET SIGNS AND TRAFFIC SIGNS THAT ARE WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED AND RESET BY THE CONTRACTOR. COST OF REMOVING AND RESETTING SHALL BE INCIDENTAL TO EARTH EXCAVATION (SPECIAL).

WHERE THE PROPOSED CONSTRUCTION MEETS AN EXISTING BITUMINOUS OR CONCRETE SURFACE, OR WHERE SAWING IS STATED ON THE PLANS, THE EXISTING SURFACE SHALL BE SAWED IN A NEAT, STRAIGHT LINE. COST OF SAWING IS TO BE INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION (SPECIAL).

REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL SHALL BE USED FOR REMOVAL OF "SOFT SPOTS" AS DETERMINED BY THE ENGINEER.

SUB-BASE GRANULAR MATERIAL, TYPE B SHALL HAVE AN AGGREGATE GRADATION OF CA-2 OR THAT APPROVED BY THE ENGINEER.

AGGREGATE BASE COURSE, TYPE A SHALL HAVE AN AGGREGATE GRADATION OF CA-6 OR THAT APPROVED BY THE ENGINEER.

AGGREGATE BASE COURSE, TYPE B SHALL HAVE AN AGGREGATE GRADATION OF CA-6 OR THAT APPROVED BY THE ENGINEER AND BE USED FOR A BASE UNDER ENTRANCES.

AGGREGATE SURFACE COURSE, TYPE B SHALL HAVE AN AGGREGATE GRADATION OF CA-6 OR THAT APPROVED BY THE ENGINEER AND BE USED FOR TEMPORARY ACCESS TO ENTRANCES AND ROADWAYS.

MATERIAL FOR BITUMINOUS MATERIALS (PRIME COAT) SHALL BE RC-70 OR SS-1 ON BITUMINOUS (0.10 GAL/SQ YD) AND MC-30 ON AGGREGATE (0.40 GAL/SQ YD)

AGGREGATE (PRIME COAT) IS CALCULATED AT 3 LBS / SQ YD

VERTICAL BENCH MARKS - LONGHOLLOW / BRODRRECHT ROAD	
ELEV.	DESCRIPTION
749.83	NAIL IN WOOD FENCE POST STA. 16+35 LT ±17'
748.29	PUNCH MK ON NE COR OF "H" BEAM FOR NW WINGWALL OF STRUCTURE STA. 19+82 RT ±15'
745.63	RR SPIKE IN 3RD POLE E OF STRUCTURE STA. 21+82 LT ±32'
747.40	RR SPIKE IN 3RD PP N OF LONGHOLLOW ROAD STA. 103+72 LT ±29'

HORIZONTAL CONTROL POINTS - LONGHOLLOW / BRODRRECHT ROAD						
POINT #	ROAD	STATION	O/S	NORTH	EAST	DESCRIPTION
100	LONGHOLLOW	15+07.06	LT 15.94'	2078155.99	2261070.42	5/8" IRON PIN
101	LONGHOLLOW	19+30.98	LT 9.124'	2078123.18	2261494.08	5/8" IRON PIN
102	LONGHOLLOW	21+01.13	RT 3.85'	2078078.08	2261658.86	5/8" IRON PIN
103	LONGHOLLOW	24+96.32	LT 16.39'	2077960.98	2262037.01	5/8" IRON PIN
104	BRODRRECHT	105+00.93	LT 16.34'	2078546.43	2261471.61	5/8" IRON PIN

PAVEMENT STRUCTURAL DESIGN LONGHOLLOW ROAD

STRUCTURAL DESIGN TRAFFIC (S.D.T.) = YEAR 2022

CLASS III STREET
80,000* TRUCK DESIGN

P.V. 577
S.U. 46
M.U. 33 } 656 ADT

E_B : (ASSUMED) 2 ksi
TF = 0.18
HMA MIX TEMP. 72°F
HMA E_{AC} = 770 ksi
HMA DESIGN STRAIN 239 microstrain

USE
2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50
2 1/2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50
12" AGGREGATE BASE

PAVEMENT MIXTURE REQUIREMENTS

CONSTRUCTION

	HMA BINDER	HMA SURFACE
PG GRADE**	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 19	IL 12.5
FRICTION AGGREGATE		MIXTURE D
DENSITY TEST METHOD	CORES	CORES

** WHEN MORE THAN 20% RAP IS USED, A SOFTER ASPHALT BINDER (PG58-22) MAY BE REQUIRED AS DETERMINED BY THE ENGINEER.

PAVEMENT STRUCTURAL DESIGN BRODRRECHT ROAD

STRUCTURAL DESIGN TRAFFIC (S.D.T.) = YEAR 2022

CLASS III STREET
80,000* TRUCK DESIGN

P.V. 405
S.U. 32
M.U. 23 } 460 ADT

E_B : (ASSUMED) 2 ksi
TF = 0.12
HMA MIX TEMP. 72°F
HMA E_{AC} = 770 ksi
HMA DESIGN STRAIN 275 microstrain

USE
1 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50
2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50
12" AGGREGATE BASE

PAVEMENT MIXTURE REQUIREMENTS

CONSTRUCTION

	HMA BINDER	HMA SURFACE
PG GRADE**	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 19	IL 12.5
FRICTION AGGREGATE		MIXTURE D
DENSITY TEST METHOD	CORES	CORES

** WHEN MORE THAN 20% RAP IS USED, A SOFTER ASPHALT BINDER (PG58-22) MAY BE REQUIRED AS DETERMINED BY THE ENGINEER.



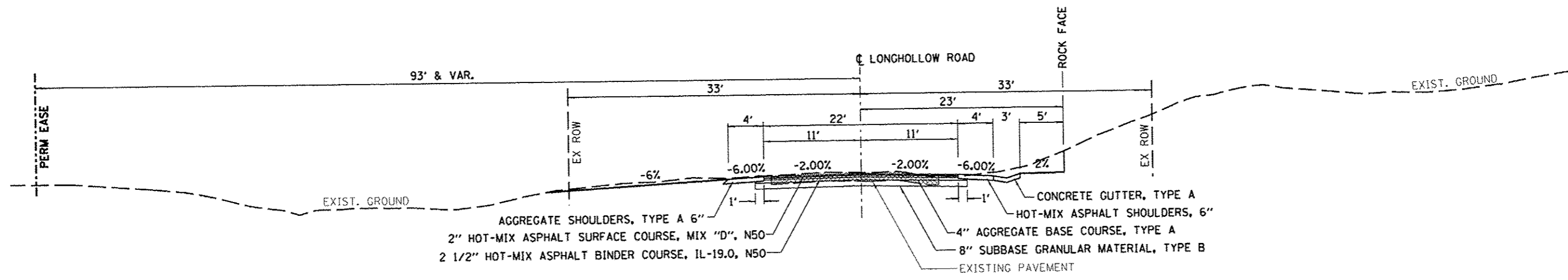
DESIGNED - J.R.R.	REVISED -
CHECKED - G.F.S.	REVISED -
DRAWN - D.L.B.	REVISED -
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JO DAVIESS COUNTY
LONGHOLLOW ROAD BRIDGE REPLACEMENT
2013

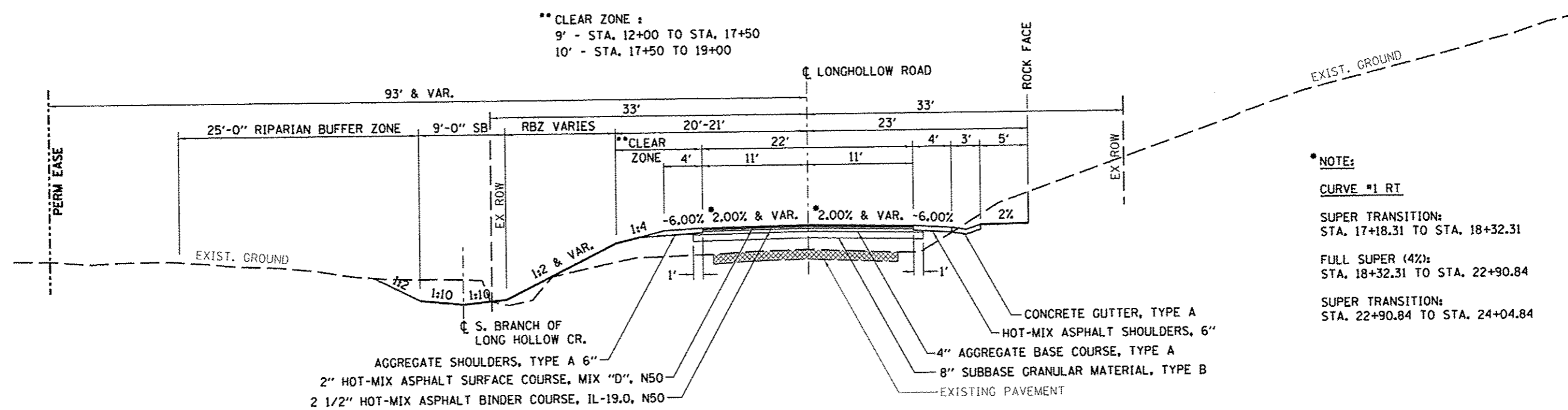
GENERAL NOTES

SHEET NO. 1 OF 1 SHEETS

TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	03
WHA# 1062D11			CONTRACT NO. 85595	
ILLINOIS FED. AID PROJECT BR05-008510561				



LONGHOLLOW ROAD
TYPICAL SECTION STA. 10+00 TO 12+00



LONGHOLLOW ROAD
TYPICAL SECTION STA. 12+00 TO 19+00

NOTE:
CURVE #1 RT
 SUPER TRANSITION:
 STA. 17+18.31 TO STA. 18+32.31
 FULL SUPER (4%):
 STA. 18+32.31 TO STA. 22+90.84
 SUPER TRANSITION:
 STA. 22+90.84 TO STA. 24+04.84

NOTE:
 RIPARIAN BUFFER ZONE CONSISTS OF NATIVE GRASSES (IDOT SEEDING, CLASS 4) WITH A TURF REINFORCEMENT MAT TO PREVENT EROSION UNTILL THE GRASSES ARE WELL ESTABLISHED.

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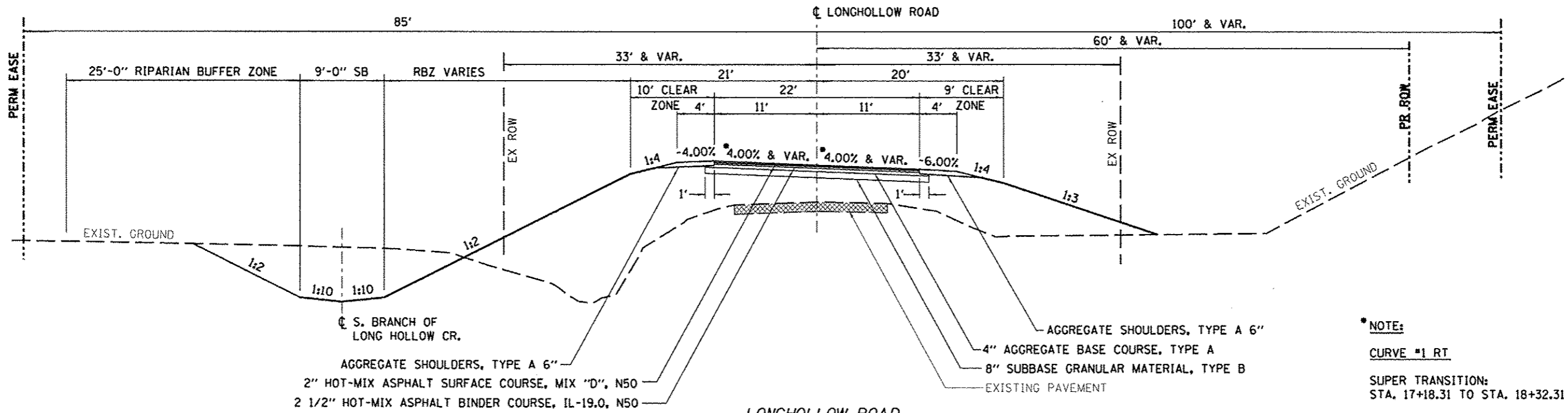


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DRAWN - D.L.B.	REVISED -
CHECKED - G.F.S.	REVISED -

JO DAVIESS COUNTY
LONGHOLLOW ROAD BRIDGE REPLACEMENT
2013

TYPICAL SECTIONS
LONGHOLLOW ROAD
 SHEET NO. 1 OF 7 SHEETS

TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	04
WHA* 1062011		CONTRACT NO. 85595		
ILLINOIS FED. AID PROJECT BROS-08810561				

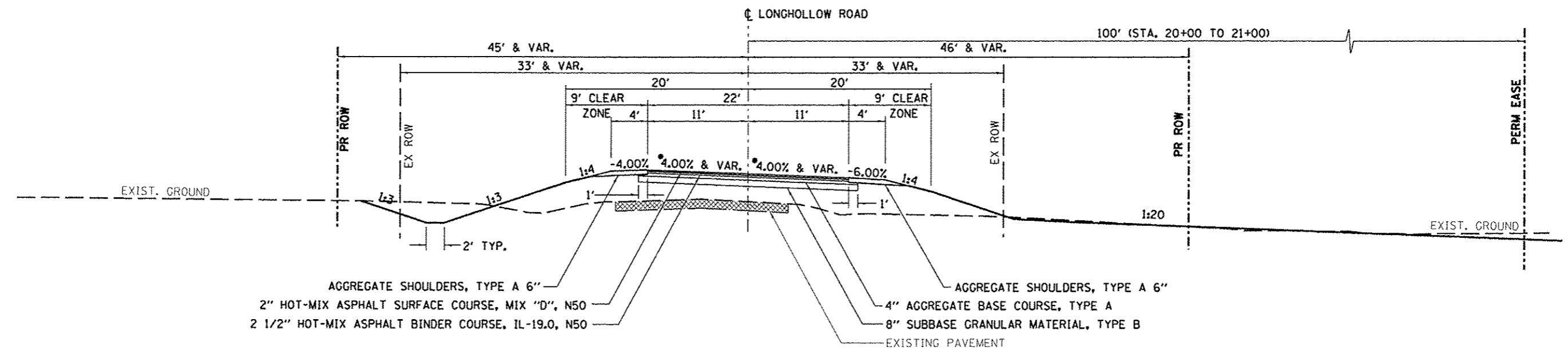


LONGHOLLOW ROAD
TYPICAL SECTION STA. 19+00 TO 20+00 (BRIDGE)

AGGREGATE SHOULDERS, TYPE A 6"
 2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50
 2 1/2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50
 4" AGGREGATE BASE COURSE, TYPE A
 8" SUBBASE GRANULAR MATERIAL, TYPE B
 EXISTING PAVEMENT

*** NOTE:**
 CURVE #1 RT
 SUPER TRANSITION:
 STA. 17+18.31 TO STA. 18+32.31
 FULL SUPER (4%):
 STA. 18+32.31 TO STA. 22+90.84
 SUPER TRANSITION:
 STA. 22+90.84 TO STA. 24+04.84

NOTE:
 RIPARIAN BUFFER ZONE CONSISTS OF NATIVE GRASSES (IDOT SEEDING, CLASS 4) WITH A TURF REINFORCEMENT MAT TO PREVENT EROSION UNTILL THE GRASSES ARE WELL ESTABLISHED.



LONGHOLLOW ROAD
TYPICAL SECTION STA. 20+00 (BRIDGE) TO 26+00

AGGREGATE SHOULDERS, TYPE A 6"
 2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50
 2 1/2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50
 4" AGGREGATE BASE COURSE, TYPE A
 8" SUBBASE GRANULAR MATERIAL, TYPE B
 EXISTING PAVEMENT

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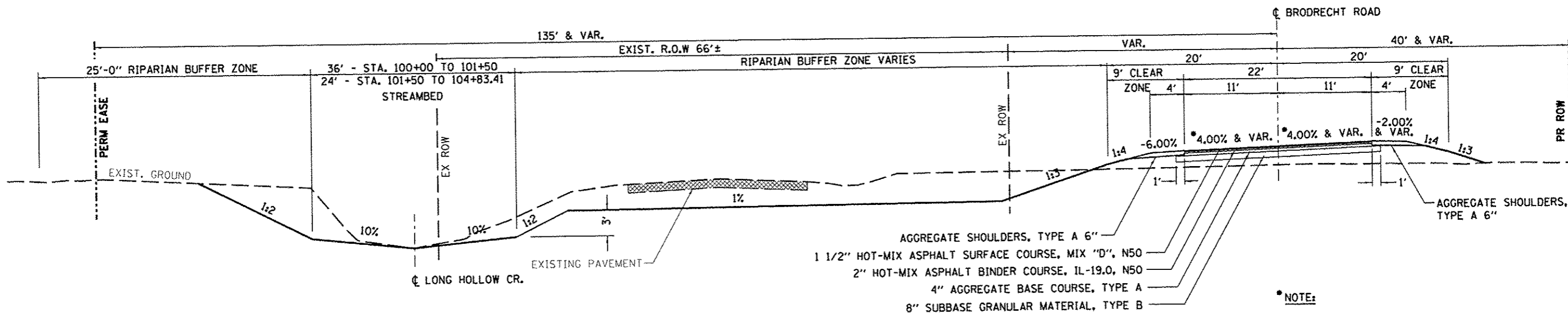


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JO DAVIESS COUNTY
LONGHOLLOW ROAD BRIDGE REPLACEMENT
 2013

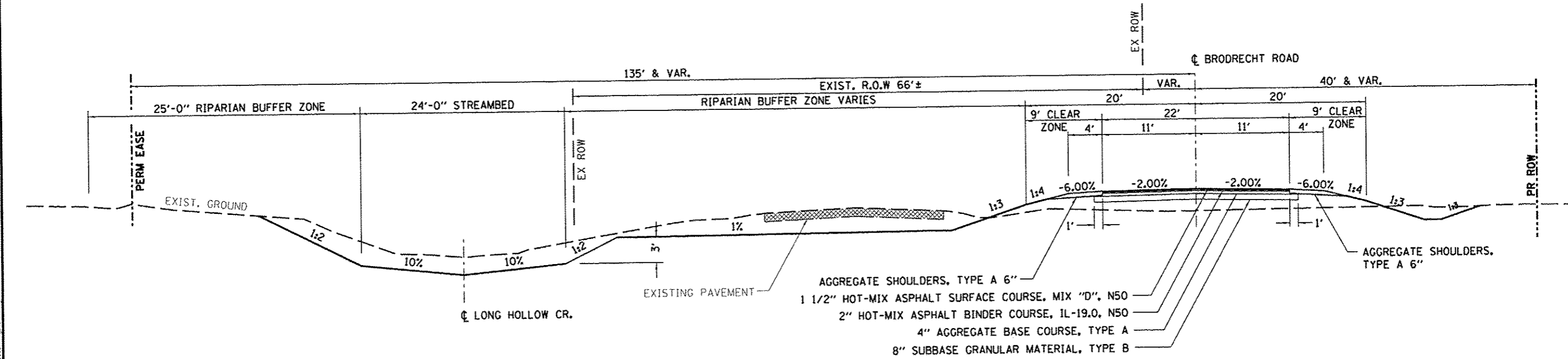
TYPICAL SECTIONS
LONGHOLLOW ROAD
 SHEET NO. 2 OF 7 SHEETS

TWP.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	05
WHA* 1062011			CONTRACT NO. 85595	
[ILLINOIS] FED. AID PROJECT BR05-00850561				



BRODRECHT ROAD
TYPICAL SECTION STA. 100+00 TO 104+83.41

*** NOTE:**
 CURVE *1 LT
 SUPER TRANSITION:
 STA. 100+52.50 TO 101+66.50
 FULL SUPER (4%):
 STA. 101+66.50 TO 103+69.41
 SUPER TRANSITION:
 STA. 103+69.41 TO 104+83.41



BRODRECHT ROAD
TYPICAL SECTION STA. 104+83.41 TO 104+84.04

NOTE:
 RIPARIAN BUFFER ZONE CONSISTS OF NATIVE GRASSES (IDOT SEEDING, CLASS 4)
 WITH A TURF REINFORCEMENT MAT TO PREVENT EROSION UNTILL THE GRASSES ARE
 WELL ESTABLISHED.



WILLETT HOFMANN
 ASSOCIATES INC
 ENGINEERING ARCHITECTURE LAND SURVEYING
 809 EAST 2ND STREET, OROON, IL 61021-0162
 T. 815-294-3241 FAX 815-294-3242

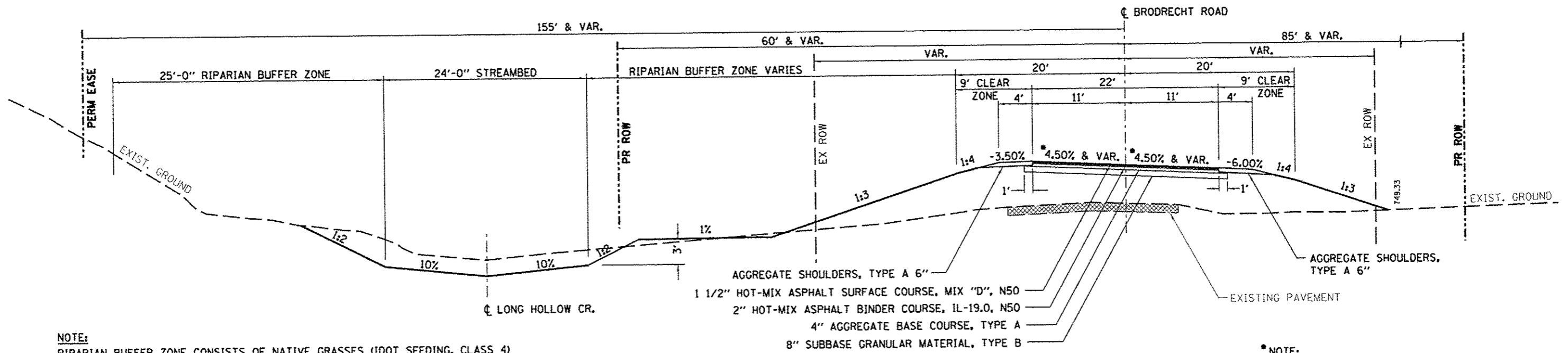
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DRAWN - D.L.B.	REVISED -
CHECKED - G.F.S.	REVISED -

JO DAVIESS COUNTY
LONGHOLLOW ROAD BRIDGE REPLACEMENT
 2013

TYPICAL SECTIONS
BRODRECHT ROAD
 SHEET NO. 3 OF 7 SHEETS

TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	06
WHA* 1062D11		CONTRACT NO. 85595		
[ILLINOIS] FED. AID PROJECT BR05-00810561				

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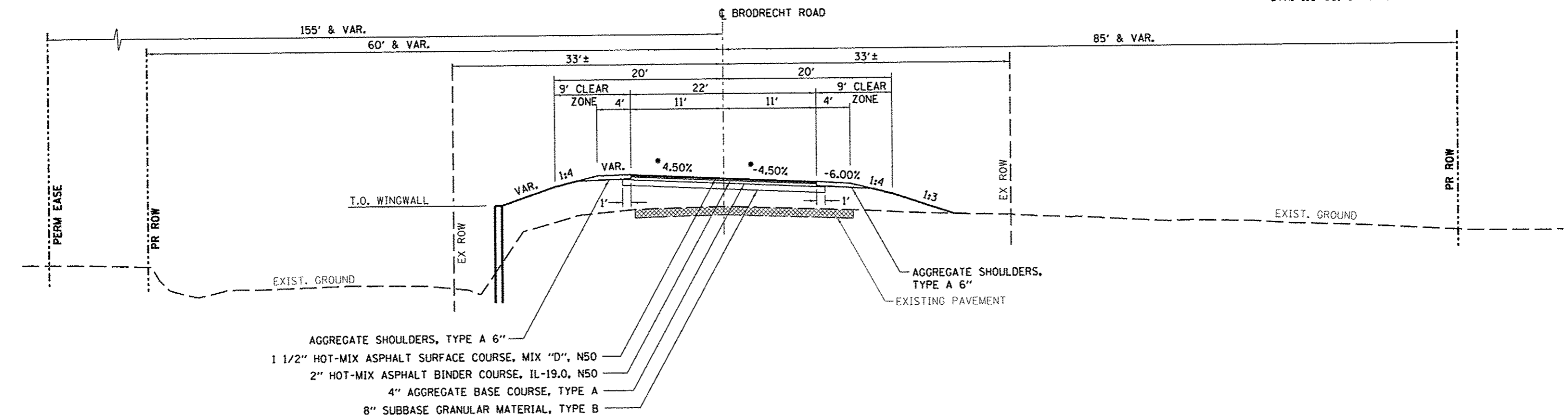


NOTE:
 RIPARIAN BUFFER ZONE CONSISTS OF NATIVE GRASSES (IDOT SEEDING, CLASS 4)
 WITH A TURF REINFORCEMENT MAT TO PREVENT EROSION UNTILL THE GRASSES ARE
 WELL ESTABLISHED.

BRODRECHT ROAD
 TYPICAL SECTION STA. 104+84.04 TO 109+00

NOTE:
 CURVE #2 RT
 SUPER TRANSITION:
 STA. 104+84.04 TO 105+60.04
 FULL SUPER (4.5%):
 STA. 105+60.04 TO 110+66.78
 SUPER TRANSITION:
 STA. 110+66.78 TO 111+90.78

AGGREGATE SHOULDERS, TYPE A 6"
 1 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50
 2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50
 4" AGGREGATE BASE COURSE, TYPE A
 8" SUBBASE GRANULAR MATERIAL, TYPE B



AGGREGATE SHOULDERS, TYPE A 6"
 1 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50
 2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50
 4" AGGREGATE BASE COURSE, TYPE A
 8" SUBBASE GRANULAR MATERIAL, TYPE B

BRODRECHT ROAD
 TYPICAL SECTION STA. 109+00 TO 109+50 (AT BRIDGE)



DESIGNED - J.R.R.
 CHECKED - G.F.S.
 DRAWN - D.L.B.
 CHECKED - G.F.S.

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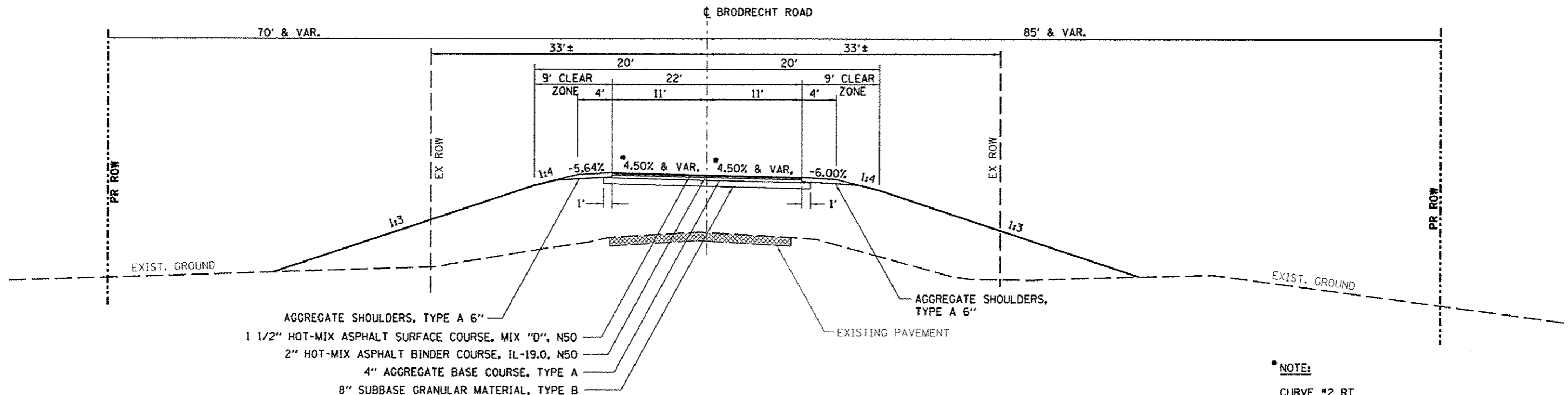
JO DAVIESS COUNTY
LONGHOLLOW ROAD BRIDGE REPLACEMENT
2013

TYPICAL SECTIONS
BRODRECHT ROAD

SHEET NO. 4 OF 7 SHEETS

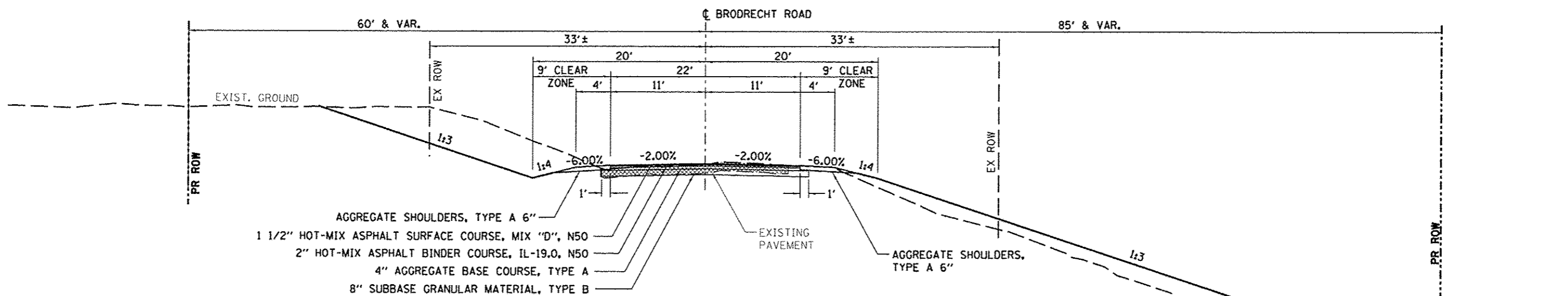
TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	07
WHA# 1062011			CONTRACT NO. 85595	
ILLINOIS FED. AID PROJECT BR05-00850561				

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BRODRECHT ROAD
TYPICAL SECTION STA. 109+50 TO 111+90.78

NOTE:
 CURVE #2 RT
 SUPER TRANSITION:
 STA. 104+84.04 TO 105+60.04
 FULL SUPER (4.5%):
 STA. 105+60.04 TO 110+66.78
 SUPER TRANSITION:
 STA. 110+66.78 TO 111+90.78



BRODRECHT ROAD
TYPICAL SECTION STA. 111+90.78 TO 113+50



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JO DAVIESS COUNTY
LONGHOLLOW ROAD BRIDGE REPLACEMENT
2013

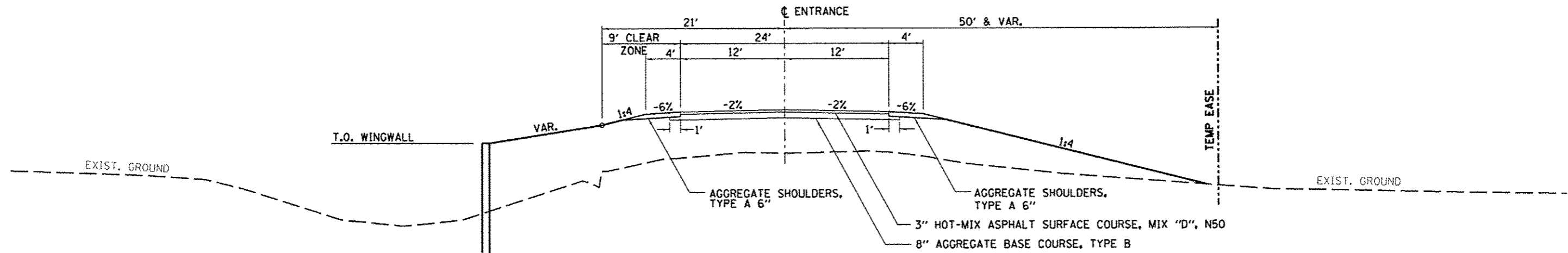
TYPICAL SECTIONS
BRODRECHT ROAD

TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-0711S-00-BR	JO DAVIESS	73	08
WHA* 1062D11		CONTRACT NO. 85595		

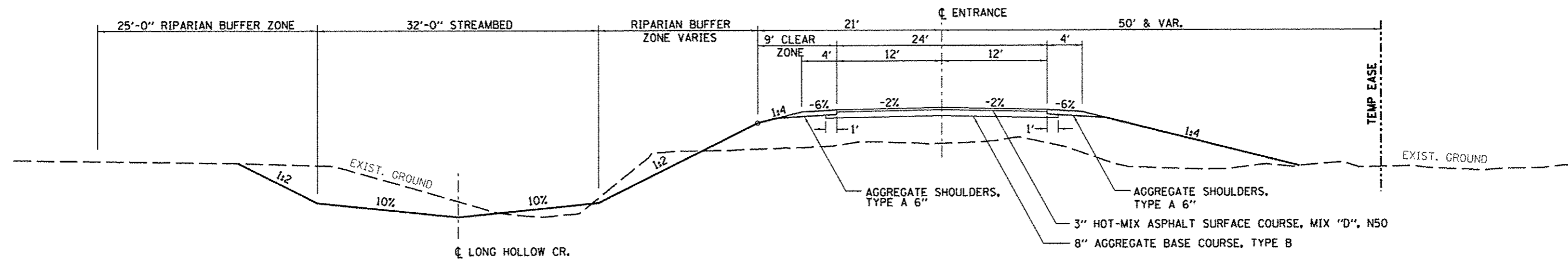
SHEET NO. 5 OF 7 SHEETS

ILLINOIS FED. AID PROJECT BR05-008510561

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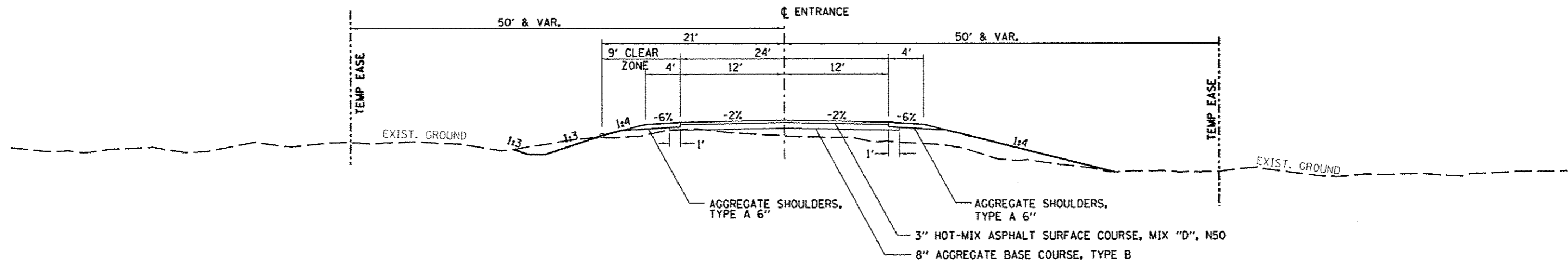


BRODRECHT ROAD (PER 109+18)
TYPICAL SECTION STA. 200+00 TO 200+92 (AT BRIDGE)

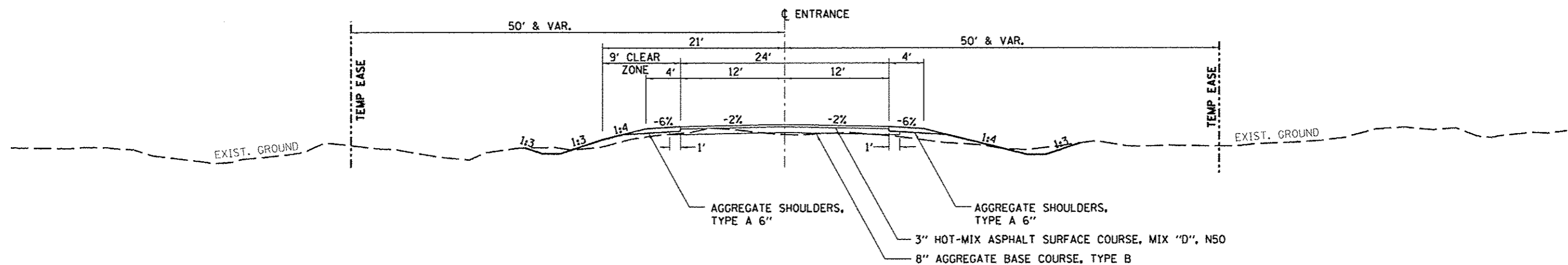


BRODRECHT ROAD (PER 109+18)
TYPICAL SECTION STA. 200+92 TO 201+50

NOTE:
 RIPARIAN BUFFER ZONE CONSISTS OF NATIVE GRASSES (IDOT SEEDING, CLASS 4)
 WITH A TURF REINFORCEMENT MAT TO PREVENT EROSION UNTILL THE GRASSES ARE
 WELL ESTABLISHED.



BRODRECHT ROAD (PER 109+18)
TYPICAL SECTION STA. 201+50 TO 202+50



BRODRECHT ROAD (PER 109+18)
TYPICAL SECTION STA. 202+50 TO 204+06

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JO DAVIESS COUNTY
LONGHOLLOW ROAD BRIDGE REPLACEMENT
2013

TYPICAL SECTIONS
BRODRECHT ROAD
 SHEET NO. 7 OF 7 SHEETS

TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	10
WHA# 1062011		CONTRACT NO. 85595		
(ILLINOIS) FED. AID PROJECT BR05-00810561				

SCHEDULES

LONGHOLLOW / BRODRECHT EARTHWORK SCHEDULE

LOCATION	EARTH EXCAVATION	CHANNEL EXCAVATION	EARTH EXCAVATION (SPECIAL) X2020410*	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE 25%	CHANNEL EXCAVATION ADJUSTED FOR SHRINKAGE 62.5%	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (FURNISHED EX.) 20400800
LONGHOLLOW ROAD 10+00 TO 26+00 (INCLUDES CHANNEL)	2,681	1,440	4,121	2,011	540	5,644	-3,093
BRODRECHT ROAD 100+00 TO 120+83 (INCLUDES CHANNEL)	5,500	4,792	10,292	4,125	1,797	8,980	-3,058
BRODRECHT ENTRANCE RT. (STA. 109+18) 200+00 TO 204+06 (INCLUDES CHANNEL)	492	351	843	369	132	1,953	-1,452
FURNISHED EXCAVATION FOR STAGING							-70.00
TOTALS	8,673	6,583	15,256	6,505	2,469	16,577	-7,673

NOTES:
 FURNISHED EXCAVATION = EMBANKMENT - 3/4 (EARTH EXCAVATION + 1/2 CHANNEL EXCAVATION).
 TOTAL QUANTITY FOR EARTH EXCAVATION (SPECIAL) INCLUDES QUANTITY FOR CHANNEL EXCAVATION.

TREE REMOVAL (6 TO 15 UNITS DIAMETER)

STATION	UNIT	REMARKS
LONGHOLLOW ROAD		
14+34 RT 22'	7	
14+39 RT 25'	8	
14+39 RT 25'	12	2 @ 5'
14+50 RT 26'	7	
14+56 RT 24'	7	
15+14 RT 21'	10	
16+10 RT 32'	10	
16+28 RT 27'	12	
16+34 RT 25'	6	
16+72 RT 19'	6	
16+75 RT 21'	10	
16+76 RT 17'	6	
17+03 RT 23'	15	STUMP
17+45 RT 21'	6	
17+60 RT 22'	6	
17+70 RT 23'	7	
17+74 LT 63'	8	
17+77 LT 50'	8	
18+11 RT 18'	8	
18+21 RT 20'	8	STUMP
18+35 RT 22'	14	
18+44 RT 22'	12	
18+65 RT 21'	8	
18+78 RT 20'	14	
19+37 LT 58'	10	
19+41 LT 69'	10	
19+49 LT 60'	12	
22+76 LT 26'	12	
PROJECT TOTAL	259	

20100110

TREE REMOVAL (OVER 15 UNITS DIAMETER)

STATION	UNIT	REMARKS
LONGHOLLOW ROAD		
13+78 RT 22'	16	
14+82 RT 23'	22	
16+26 RT 19'	30	
17+15 RT 19'	24	STUMP
18+32 RT 20'	24	
23+06 RT 45'	38	
SUBTOTAL:	154	
BRODRECHT ROAD		
102+90 LT 104'	48	
103+43 LT 125'	34	
103+62 LT 98'	48	
104+81 LT 65'	48	
104+86 LT 62'	42	
110+40 RT 66'	36	
110+43 RT 71'	18	
SUBTOTAL:	274	
PROJECT TOTAL	428	

20100210

ROCK EXCAVATION

STATION	CU YD	REMARKS
ENTIRE SECTION		
CONTINGENCY ITEM	50	AS DIRECTED BY ENGINEER
PROJECT TOTAL	50	

20200200

REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL

STATION	CU YD	REMARKS
LONGHOLLOW ROAD		
CONTINGENCY ITEM	268	AS DIRECTED BY ENGINEER
SUBTOTAL:	268	
BRODRECHT ROAD		
CONTINGENCY ITEM	550	AS DIRECTED BY ENGINEER
SUBTOTAL:	550	
BRODRECHT ROAD (PER 109+18)		
CONTINGENCY ITEM	50	AS DIRECTED BY ENGINEER
SUBTOTAL:	50	
PROJECT TOTAL	868	

20201200*

TRENCH BACKFILL

STATION	CU YD	REMARKS
LONGHOLLOW ROAD		
14+25	6	24" P CUL (ACROSS ROAD)
RT 14+25	1	24" P CUL
16+15	20	24" P CUL (ACROSS ROAD)
RT 16+15	3	24" P CUL
16+15 TO 16+35	19	EXIST. 24" P CUL (ACROSS ROAD)
22+37	5	EXIST 36" P CUL (ACROSS ROAD)
22+50	16	54" P CUL (ACROSS ROAD)
PROJECT TOTAL	70	

20800150

EROSION CONTROL BLANKET

STATION	SQ YD	REMARKS
LONGHOLLOW ROAD		
LT 10+00 TO 26+00	1,883	
RT 10+00 TO 26+00	1,559	
RT 20+50 TO 24+50	5,474	AREA SOUTH OF STA. 22+50 P CUL
SUBTOTAL:	8,916	
BRODRECHT ROAD		
LT 100+00 TO 113+50	2,198	
RT 100+00 TO 113+50	3,404	
SUBTOTAL:	5,602	
BRODRECHT ROAD (PER 109+18)		
LT 200+00 TO 204+06	536	
RT 200+00 TO 204+06	933	
SUBTOTAL:	1,469	
PROJECT TOTAL	15,987	

25100630

TURF REINFORCEMENT MAT

STATION	SQ YD	REMARKS
LONGHOLLOW ROAD		
LT 12+50 TO 19+50	2,142	NORTH OF LONGHOLLOW CREEK
LT 12+50 TO 19+50	1,769	SOUTH OF LONGHOLLOW CREEK
SUBTOTAL:	3,911	
BRODRECHT ROAD		
LT 101+00 TO 108+00	2,257	WEST OF LONGHOLLOW CREEK
LT 101+00 TO 108+00	5,048	EAST OF LONGHOLLOW CREEK
SUBTOTAL:	7,305	
BRODRECHT ROAD (PER 109+18)		
LT 201+00 TO 201+50	291	WEST OF LONGHOLLOW CREEK
LT 201+00 TO 201+50	261	EAST OF LONGHOLLOW CREEK
SUBTOTAL:	552	
PROJECT TOTAL	11,768	

25100900

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DRAWN - D.L.B.	REVISED -
CHECKED - J.R.R.	REVISED -

**JO DAVIESS COUNTY
 LONGHOLLOW ROAD BRIDGE REPLACEMENT
 2013**

SCHEDULES

SHEET NO. 1 OF 5 SHEETS

TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	11
WHA# 1062011 CONTRACT NO. 85595				
[ILLINOIS] FED. AID PROJECT BR05-00810561				

SCHEDULES

TEMPORARY EROSION CONTROL SEEDING		
STATION	POUND	REMARKS
LONGHOLLOW ROAD		
LT 10+00 TO 26+00	39	CLASS 2A AREA
RT 10+00 TO 26+00	32	CLASS 2A AREA
RT 20+50 TO 24+50	113	AREA SOUTH OF STA. 22+50 P. CUL.
SUBTOTAL:	184	
BRODRECHT ROAD		
LT 100+00 TO 113+50	45	CLASS 2A AREA
RT 100+00 TO 113+50	70	CLASS 2A AREA
SUBTOTAL:	115	
BRODRECHT ROAD (PER 109+18)		
LT 200+00 TO 204+06	11	CLASS 2A AREA
RT 200+00 TO 204+06	19	CLASS 2A AREA
SUBTOTAL:	30	
LONGHOLLOW ROAD		
LT 12+50 TO 19+50	44	CLASS 4 AREA - NORTH OF CREEK
LT 12+50 TO 19+50	37	CLASS 4 AREA - SOUTH OF CREEK
SUBTOTAL:	81	
BRODRECHT ROAD		
LT 101+00 TO 108+00	47	CLASS 4 AREA - WEST OF CREEK
LT 101+00 TO 108+00	104	CLASS 4 AREA - EAST OF CREEK
SUBTOTAL:	151	
BRODRECHT ROAD (PER 109+18)		
LT 201+00 TO 201+50	6	CLASS 4 AREA - WEST OF CREEK
LT 201+00 TO 201+50	5	CLASS 4 AREA - EAST OF CREEK
SUBTOTAL:	11	
CALCULATION BASED ON 100 LBS / ACRE		
PROJECT TOTAL	572	

TEMPORARY DITCH CHECKS		
STATION	FOOT	REMARKS
LONGHOLLOW ROAD		
LT 24+00	9	
LT 25+00	9	
SUBTOTAL:	18	
BRODRECHT ROAD		
RT 104+00	9	
SUBTOTAL:	9	
BRODRECHT ROAD (PER 109+18)		
LT & RT 203+00	18	
SUBTOTAL:	18	
PROJECT TOTAL	45	

PERIMETER EROSION BARRIER		
STATION	FOOT	REMARKS
LONGHOLLOW ROAD		
LT 12+00 TO 17+20	605	
LT 17+45 TO 19+20	183	
RT 21+00 TO 26+00	505	
SUBTOTAL:	1,293	
BRODRECHT ROAD		
RT 100+50 TO 104+00	370	
LT 101+50.90 TO 112+00	1,184	
RT 111+00 TO 113+50	250	
SUBTOTAL:	1,804	
PROJECT TOTAL	3,097	

INLET AND PIPE PROTECTION		
STATION	EACH	REMARKS
LONGHOLLOW ROAD		
RT 14+25	1	AT INLET
RT 16+15	1	AT INLET
RT 16+15	1	AT PIPE END
LT 22+50	1	AT PIPE END
PROJECT TOTAL	4	

STONE DUMPED RIPRAP, CLASS A5		
STATION	SQ YD	REMARKS
LONGHOLLOW ROAD		
LT 14+00	70	RIFFLE STRUCTURE (SEE SHEET 33)
LT 16+00	70	RIFFLE STRUCTURE (SEE SHEET 33)
LT 18+00	70	RIFFLE STRUCTURE (SEE SHEET 33)
RT 22+50	145	10' WIDE
SUBTOTAL:	355	
BRODRECHT ROAD		
LT 102+00	125	
LT 104+00	125	
LT 106+00	125	
SUBTOTAL:	375	
PROJECT TOTAL	730	

FILTER FABRIC		
STATION	SQ YD	REMARKS
LONGHOLLOW ROAD		
RT 22+50	145	10' WIDE
PROJECT TOTAL	145	

AGGREGATE SUBGRADE IMPROVEMENT		
STATION	TON	REMARKS
LONGHOLLOW ROAD		
CONTINGENCY ITEM	550	AS DIRECTED BY ENGINEER
SUBTOTAL:	550	
BRODRECHT ROAD		
CONTINGENCY ITEM	1,128	AS DIRECTED BY ENGINEER
SUBTOTAL:	1,128	
BRODRECHT ROAD (PER 109+18)		
CONTINGENCY ITEM	103	AS DIRECTED BY ENGINEER
SUBTOTAL:	103	
PROJECT TOTAL	1,781	

SUB-BASE GRANULAR MATERIAL, TYPE B		
STATION	TON	REMARKS
LONGHOLLOW ROAD		
10+00 TO 26+00	1,938	8"
SUBTOTAL:	1,938	
BRODRECHT ROAD		
100+00 TO 113+50	1,651	8"
SUBTOTAL:	1,651	
PROJECT TOTAL	3,589	

AGGREGATE BASE COURSE, TYPE A		
STATION	TON	REMARKS
LONGHOLLOW ROAD		
10+00 TO 26+00	969	4"
SUBTOTAL:	969	
BRODRECHT ROAD		
100+00 TO 113+50	825	4"
SUBTOTAL:	825	
PROJECT TOTAL	1,794	



DESIGNED - J.R.R.
 CHECKED - G.F.S.
 DRAWN - D.L.B.
 CHECKED - J.R.R.

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JO DAVIESS COUNTY
LONGHOLLOW ROAD BRIDGE REPLACEMENT
2013

SCHEDULES

SHEET NO. 2 OF 5 SHEETS

TWP. RTE. 117	SECTION 11-07115-00-BR	COUNTY JO DAVIESS	TOTAL SHEETS 73	SHEET NO. 12
WHA# 1062011		CONTRACT NO. 85595		
ILLINOIS FED. AID PROJECT BROS-C085056				

SCHEDULES

AGGREGATE BASE COURSE, TYPE B		
STATION	TON	REMARKS
LONGHOLLOW ROAD		
PEL 17+35	0 (56)	8" (TO BE REUSED FROM STAGE CONST.)
SUBTOTAL:	0 (56)	
BRODRECHT ROAD (PER 109+18)		
200+00 TO 204+06	0 (539)	8" (TO BE REUSED FROM STAGE CONST.)
SUBTOTAL:	0 (539)	
STAGING CONSTRUCTION		
STAGE I CONSTRUCTION	1,565	VARIABLE THICKNESS
STAGE II CONSTRUCTION	886	VARIABLE THICKNESS
SUBTOTAL:	2,451	
PROJECT TOTAL	2,451	

AGGREGATE SURFACE COURSE, TYPE B		
STATION	TON	REMARKS
LONGHOLLOW ROAD		
FER 11+21	68	10"
CONTINGENCY ITEM	40	TEMP ROADWAY TAPERS
SUBTOTAL:	108	
BRODRECHT ROAD		
FEL 120+58	48	10"
CONTINGENCY ITEM	40	TEMP ROADWAY TAPERS
SUBTOTAL:	88	
PROJECT TOTAL	196	

BITUMINOUS MATERIALS (PRIME COAT)		
STATION	GALLON	REMARKS
LONGHOLLOW ROAD		
10+00 TO 26+00	1,562	.4 GAL / SY (OVER AGG)
10+00 TO 26+00	390	.1 GAL / SY (OVER BIT)
PEL 17+35	43	.4 GAL / SY (OVER AGG)
PEL 17+35	11	.1 GAL / SY (OVER BIT)
SUBTOTAL:	2,006	
BRODRECHT ROAD		
100+00 TO 113+50	1,327	.4 GAL / SY (OVER AGG)
100+00 TO 113+50	332	.1 GAL / SY (OVER BIT)
SUBTOTAL:	1,659	
BRODRECHT ROAD (PER 109+18)		
200+00 TO 204+06	438	.4 GAL / SY (OVER AGG)
200+00 TO 204+06	110	.1 GAL / SY (OVER BIT)
SUBTOTAL:	548	
PROJECT TOTAL	4,213	

AGGREGATE (PRIME COAT)		
STATION	TON	REMARKS
LONGHOLLOW ROAD		
10+00 TO 26+00	6	3 LBS / SY
PEL 17+35	1	3 LBS / SY
SUBTOTAL:	7	
BRODRECHT ROAD		
100+00 TO 113+50	5	3 LBS / SY
SUBTOTAL:	5	
BRODRECHT ROAD (PER 109+18)		
200+00 TO 204+06	2	3 LBS / SY
SUBTOTAL:	2	
PROJECT TOTAL	14	

HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50		
STATION	TON	REMARKS
LONGHOLLOW ROAD		
10+00 TO 26+00	586	2 1/2"
SUBTOTAL:	586	
BRODRECHT ROAD		
100+00 TO 113+50	398	2"
SUBTOTAL:	398	
CALCULATIONS BASED ON 120* / SY / INCH		
PROJECT TOTAL	984	

HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50		
STATION	TON	REMARKS
LONGHOLLOW ROAD		
10+00 TO 26+00	468	2"
PEL 17+35	19	3"
SUBTOTAL:	487	
BRODRECHT ROAD		
100+00 TO 113+50	299	1 1/2"
SUBTOTAL:	299	
BRODRECHT ROAD (PER 109+18)		
200+00 TO 204+06	197	3"
SUBTOTAL:	197	
CALCULATIONS BASED ON 120* / SY / INCH		
PROJECT TOTAL	983	

PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH		
STATION	SQ YD	REMARKS
LONGHOLLOW ROAD		
FER 11+21	41	AS PER STANDARD 606101-04
PROJECT TOTAL	41	

PAVEMENT REMOVAL		
STATION	SQ YD	REMARKS
STAGING CONSTRUCTION		
STAGE I CONSTRUCTION	799	
PROJECT TOTAL	799	

AGGREGATE SHOULDERS, TYPE A 6"		
STATION	SQ YD	REMARKS
LONGHOLLOW ROAD		
LT 10+00 TO 17+13	316	4' W
LT 17+42 TO 20+20	122	4' W
LT 21+03 TO 26+00	220	4' W
RT 19+00 TO 26+00	307	4' W
SUBTOTAL:	965	
BRODRECHT ROAD		
LT 100+00 TO 110+84	474	4' W
LT 111+32 TO 113+50	98	4' W
RT 100+00 TO 108+82	388	4' W
RT 109+53 TO 113+50	175	4' W
SUBTOTAL:	1,135	
BRODRECHT ROAD (PER 109+18)		
LT 200+00 TO 204+06	175	4' W
RT 200+00 TO 204+06	178	4' W
SUBTOTAL:	353	
PROJECT TOTAL	2,453	

HOT-MIX ASPHALT SHOULDERS, 6"		
STATION	SQ YD	REMARKS
LONGHOLLOW ROAD		
RT 10+00 TO 19+00	424	
PROJECT TOTAL	424	

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DESIGNED - J.R.R. REVISED -
 CHECKED - G.F.S. REVISED -
 DRAWN - D.L.B. REVISED -
 CHECKED - J.R.R. REVISED -

JO DAVIESS COUNTY
LONGHOLLOW ROAD BRIDGE REPLACEMENT
2013

SCHEDULES

SHEET NO. 3 OF 5 SHEETS

TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	13
WHA# 1062D11		CONTRACT NO. 85595		
[ILLINOIS] FED. AID PROJECT BROS-C08510561				

SCHEDULES

PIPE CULVERTS, CLASS A, TYPE 2 24"		
STATION	FOOT	REMARKS
LONGHOLLOW ROAD		
14+25	39	
14+25	7	
LT 16+15	47	
RT 16+15	15	
PROJECT TOTAL	108	

PIPE CULVERTS, CLASS A, TYPE 2 54"		
STATION	FOOT	REMARKS
LONGHOLLOW ROAD		
22+50	60	
PROJECT TOTAL	60	

PIPE CULVERTS, CLASS D, TYPE 1 EQUIVALENT ROUND-SIZE 15"		
STATION	FOOT	REMARKS
BRODRECHT ROAD		
FEL 120+58	42	
PROJECT TOTAL	42	

PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"		
STATION	EACH	REMARKS
LONGHOLLOW ROAD		
LT 14+25	1	
LT & RT 16+15	2	
PROJECT TOTAL	3	

PRECAST REINFORCED CONCRETE FLARED END SECTIONS 54"		
STATION	EACH	REMARKS
LONGHOLLOW ROAD		
LT & RT 22+50	2	
PROJECT TOTAL	2	

METAL END SECTIONS, EQUIVALENT ROUND-SIZE 15"		
STATION	EACH	REMARKS
LONGHOLLOW ROAD		
LT & RT 22+50	2	
PROJECT TOTAL	2	

MANHOLES, TYPE A, 4'-DIAMETER. TYPE 1 FRAME, CLOSED LID		
STATION	EACH	REMARKS
LONGHOLLOW ROAD		
RT 14+25	1	
PROJECT TOTAL	1	

CONCRETE GUTTER, TYPE A		
STATION	FOOT	REMARKS
LONGHOLLOW ROAD		
RT 10+12 TO 11+02	90.00	AS PER STANDARD 606101-04
RT 11+40 TO 13+07.25	247.25	AS PER STANDARD 606101-04
RT 14+62.75 TO 15+77.25	114.50	AS PER STANDARD 606101-04
RT 16+52.75 TO 18+64	211.25	AS PER STANDARD 606101-04
PROJECT TOTAL	663	

GUARDRAIL REMOVAL		
STATION	FOOT	REMARKS
LONGHOLLOW ROAD		
LT 19+82 TO 20+15	33	
RT 19+85 TO 20+16	31	
PROJECT TOTAL	64	

SHORT-TERM PAVEMENT MARKING		
STATION	FOOT	REMARKS
LONGHOLLOW ROAD		
10+00 TO 26+00	288	4' - 40' SP @ CL (YELLOW) - 2 APPLICATIONS
SUBTOTAL	288	
BRODRECHT ROAD		
100+00 TO 113+50	240	4' - 40' SP @ CL (YELLOW) - 2 APPLICATIONS
SUBTOTAL	240	
PROJECT TOTAL	528	

WORK ZONE PAVEMENT MARKING REMOVAL		
STATION	SO FT	REMARKS
LONGHOLLOW ROAD		
10+00 TO 26+00	96	4' - 40' SP @ CL (YELLOW) - 2 APPLICATIONS
SUBTOTAL	96	
BRODRECHT ROAD		
100+00 TO 113+50	80	4' - 40' SP @ CL (YELLOW) - 2 APPLICATIONS
SUBTOTAL	80	
PROJECT TOTAL	176	

PAINT PAVEMENT MARKING - LINE 4"		
STATION	FOOT	REMARKS
LONGHOLLOW ROAD		
LT 10+00 TO 20+20	1,024	EDGE LINE (WHITE)
LT 21+03 TO 26+00	500	EDGE LINE (WHITE)
RT 10+00 TO 26+00	1,595	EDGE LINE (WHITE)
10+00 TO 26+00	400	10' - 30' SP @ CL (YELLOW)
SUBTOTAL	3,519	
BRODRECHT ROAD		
LT 100+00 TO 113+50	1,351	EDGE LINE (WHITE)
RT 100+00 TO 113+50	1,360	EDGE LINE (WHITE)
100+00 TO 113+50	340	10' - 30' SP @ CL (YELLOW)
SUBTOTAL	3,051	
PROJECT TOTAL	6,570	

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DESIGNED - J.R.R.
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DRAWN - D.L.B.
CHECKED - J.R.R.

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JO DAVIESS COUNTY
LONGHOLLOW ROAD BRIDGE REPLACEMENT
2013

SCHEDULES
SHEET NO. 4 OF 5 SHEETS

TWP. RTE. 117	SECTION 11-07115-00-BR	COUNTY JO DAVIESS	TOTAL SHEETS 73	SHEET NO. 14
WHA# 1062011		CONTRACT NO. 85595		
ILLINOIS FED. AID PROJECT BRG5-008510561				

SCHEDULES

SEEDING, CLASS 2A (SPECIAL)		
STATION	ACRE	REMARKS
LONGHOLLOW ROAD		
LT 10+00 TO 26+00	0.39	
RT 10+00 TO 26+00	0.32	
RT 20+50 TO 24+50	1.13	AREA SOUTH OF STA. 22+50 P CUL
SUBTOTAL:	1.84	
BRODRECHT ROAD		
LT 100+00 TO 113+50	0.45	
RT 100+00 TO 113+50	0.70	
SUBTOTAL:	1.15	
BRODRECHT ROAD (PER 109+18)		
LT 200+00 TO 204+06	0.11	
RT 200+00 TO 204+06	0.19	
SUBTOTAL:	0.30	
PROJECT TOTAL	3.29	

X2501020*

SEEDING, CLASS 4 (SPECIAL)		
STATION	ACRE	REMARKS
LONGHOLLOW ROAD		
LT 12+50 TO 19+50	0.44	NORTH OF LONGHOLLOW CREEK
LT 12+50 TO 19+50	0.37	SOUTH OF LONGHOLLOW CREEK
SUBTOTAL:	0.81	
BRODRECHT ROAD		
LT 101+00 TO 108+00	0.47	WEST OF LONGHOLLOW CREEK
LT 101+00 TO 108+00	1.04	EAST OF LONGHOLLOW CREEK
SUBTOTAL:	1.51	
BRODRECHT ROAD (PER 109+18)		
LT 201+00 TO 201+50	0.06	WEST OF LONGHOLLOW CREEK
LT 201+00 TO 201+50	0.05	EAST OF LONGHOLLOW CREEK
SUBTOTAL:	0.11	
PROJECT TOTAL	2.43	

X2501750*

PIPE CULVERT REMOVAL (SPECIAL)		
STATION	FOOT	REMARKS
LONGHOLLOW ROAD		
RT 14+24 TO 14+31	11	18"
RT 16+11 TO 16+35	31	24"
FEL 17+35	40	9'x6" ARCH
22+37	34	36"
SUBTOTAL:	116	
BRODRECHT ROAD		
LT 101+39 TO 101+50	33	24"
FEL 111+08	20	18"
SUBTOTAL:	53	
PROJECT TOTAL	169	

X5015225*

CLASS SI CONCRETE (OUTLET), SPECIAL		
STATION	CU YD	REMARKS
LONGHOLLOW ROAD		
RT 10+00 TO 10+12	0.93	AS PER STANDARD 606101-04
RT 13+87.25 TO 14+62.75	6.50	T-1 OUTLET FOR T-A CUTTER (DOUBLE)
RT 15+77.25 TO 16+52.75	6.50	T-1 OUTLET FOR T-A CUTTER (DOUBLE)
RT 18+64 TO 19+20	5.09	AS PER STANDARD 606101-04
PROJECT TOTAL	19.02	

X6060097*

FENCE REMOVAL		
STATION	FOOT	REMARKS
LONGHOLLOW ROAD		
LT 10+00 TO 17+17	769	
RT 17+00 TO 19+78	276	
RT 20+42 TO 24+36	443	
SUBTOTAL:	1,488	
BRODRECHT ROAD		
LT 104+87 TO 108+94	429	
RT 108+69 TO 111+22	240	
LT 109+49 TO 111+26	212	
SUBTOTAL:	881	
PROJECT TOTAL	2,369	

Z0022800*

FENCE (SPECIAL)		
STATION	FOOT	REMARKS
LONGHOLLOW ROAD		
LT 10+00 TO 14+20	421	BARBED WIRE - 5 STRAND
LT 14+30 TO 16+11	181	BARBED WIRE - 5 STRAND
LT 16+20 TO 17+06	86	BARBED WIRE - 5 STRAND
RT 17+25 TO 19+64	237	BARBED WIRE - 5 STRAND
RT 20+69 TO 22+40	167	BARBED WIRE - 5 STRAND
RT 22+60 TO 24+34	185	BARBED WIRE - 5 STRAND
SUBTOTAL:	1,277	
BRODRECHT ROAD		
LT 104+74 TO 104+78	26	BARBED WIRE - 5 STRAND
LT 104+84 TO 108+89	429	BARBED WIRE - 5 STRAND
LT 109+34 TO 113+50	462	BARBED WIRE - 5 STRAND
RT 110+33 TO 113+50	361	BARBED WIRE - 5 STRAND
SUBTOTAL:	1,278	
PROJECT TOTAL	2,555	

XX006653*

GRADING AND SHAPING DITCH, SPECIAL		
STATION	FOOT	REMARKS
LONGHOLLOW ROAD		
RT 20+50 TO 24+50	127	GRADING FOR PIPE AT STA. 22+50 RT
PROJECT TOTAL	127	

XX008660*

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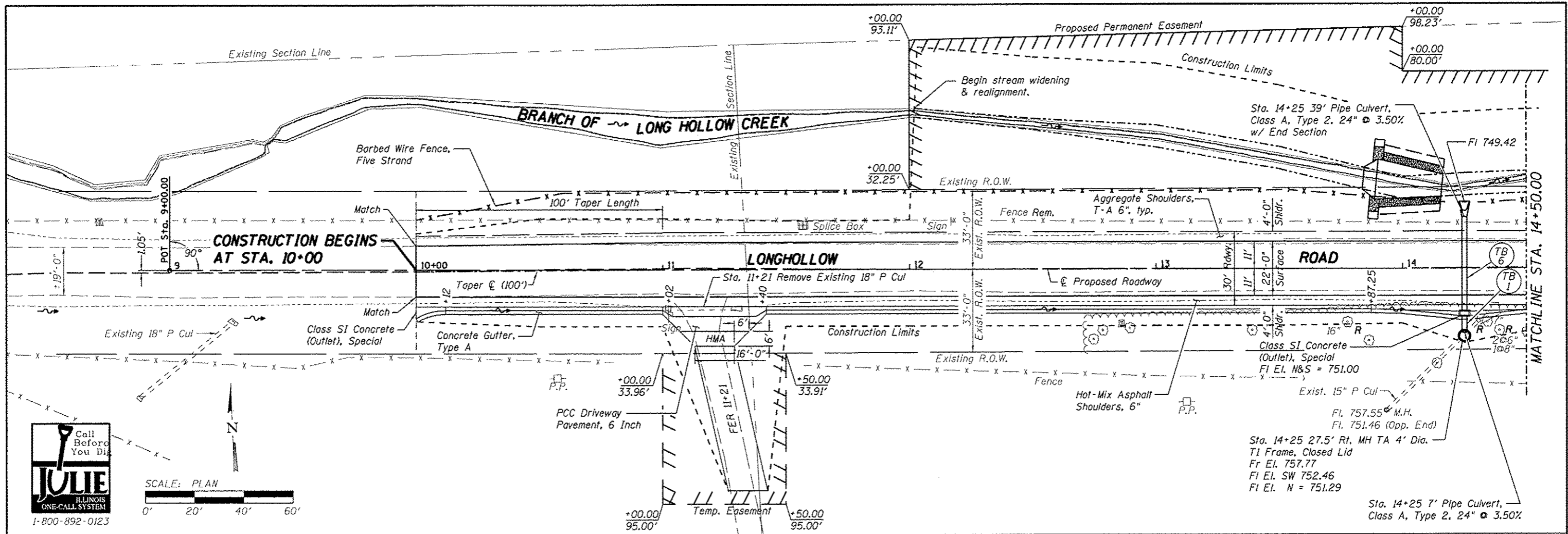
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JO DAVIESS COUNTY
LONGHOLLOW ROAD BRIDGE REPLACEMENT
2013

SCHEDULES

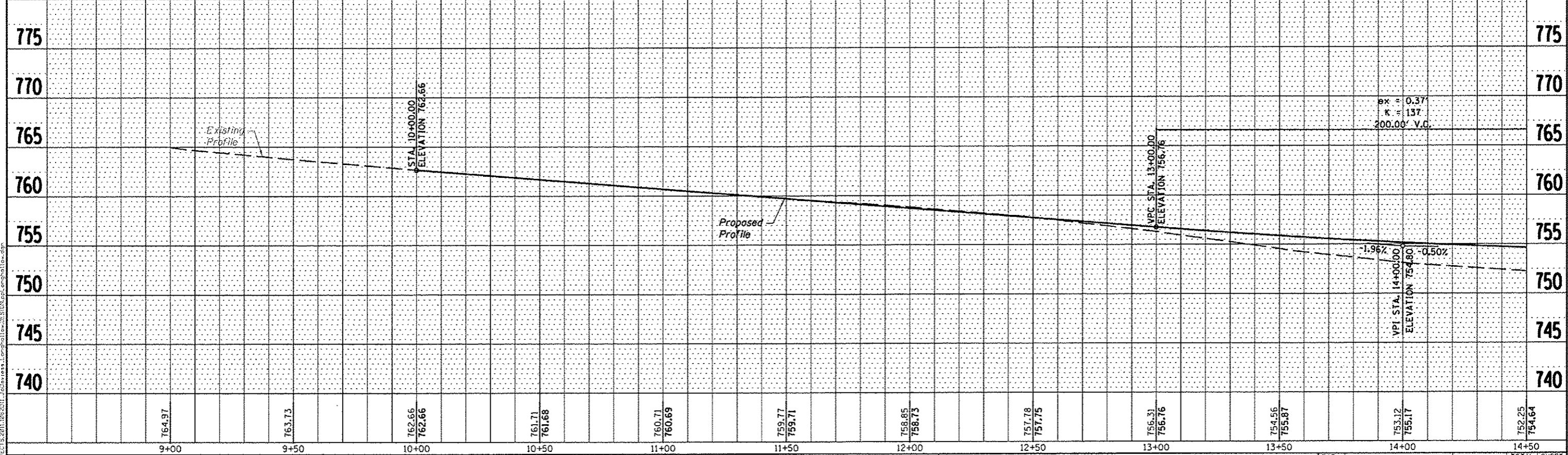
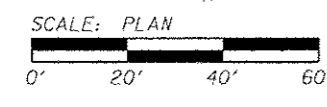
SHEET NO. 5 OF 5 SHEETS

TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	15
WHA* 1062011		CONTRACT NO. 85595		
[ILLINOIS] FED. AID PROJECT BR05-00850561				



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764.97	763.73	762.66	762.66	761.71	761.68	760.71	760.69	759.77	759.71	758.85	758.73	757.78	757.75	756.51	756.76	754.56	755.87	753.12	755.17	752.25	754.64
9+00	9+50	10+00	10+50	11+00	11+50	12+00	12+50	13+00	13+50	14+00	14+50										

DESIGNED - J.R.R.	REVISED -
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CHECKED - G.F.S.	REVISED -
DATE - 01/2013	REVISED -

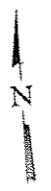
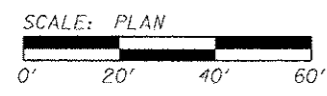
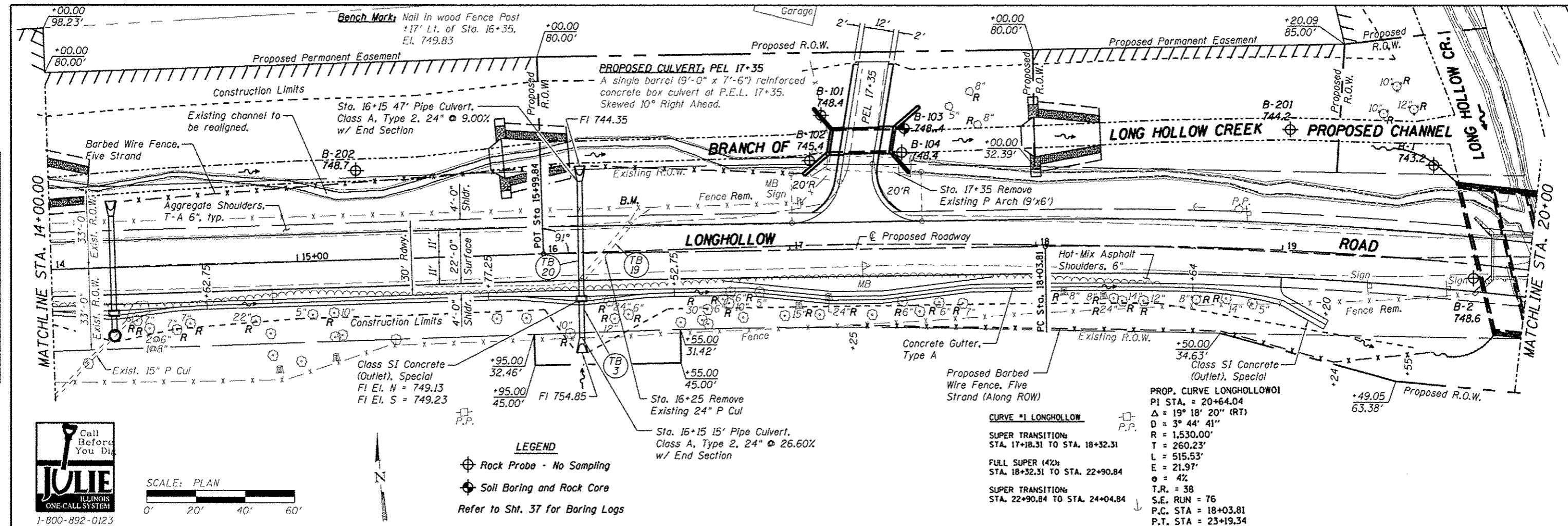
**JO DAVIESS COUNTY
 LONGHOLLOW ROAD BRIDGE REPLACEMENT
 2013**

PLAN & PROFILE LONGHOLLOW ROAD	
SCALE: 1" = 20'-0"	SHEET NO. 1 OF 4 SHEETS
STA. 9+00.00 TO STA. 14+50.00	

TWP. RTE. 117	SECTION 11-07115-00-BR	COUNTY JO DAVIESS	TOTAL SHEET NO. 73
WHA# 1062011	CONTRACT NO. 85595	ILLINOIS FED. AID PROJECT BR05-0085056	

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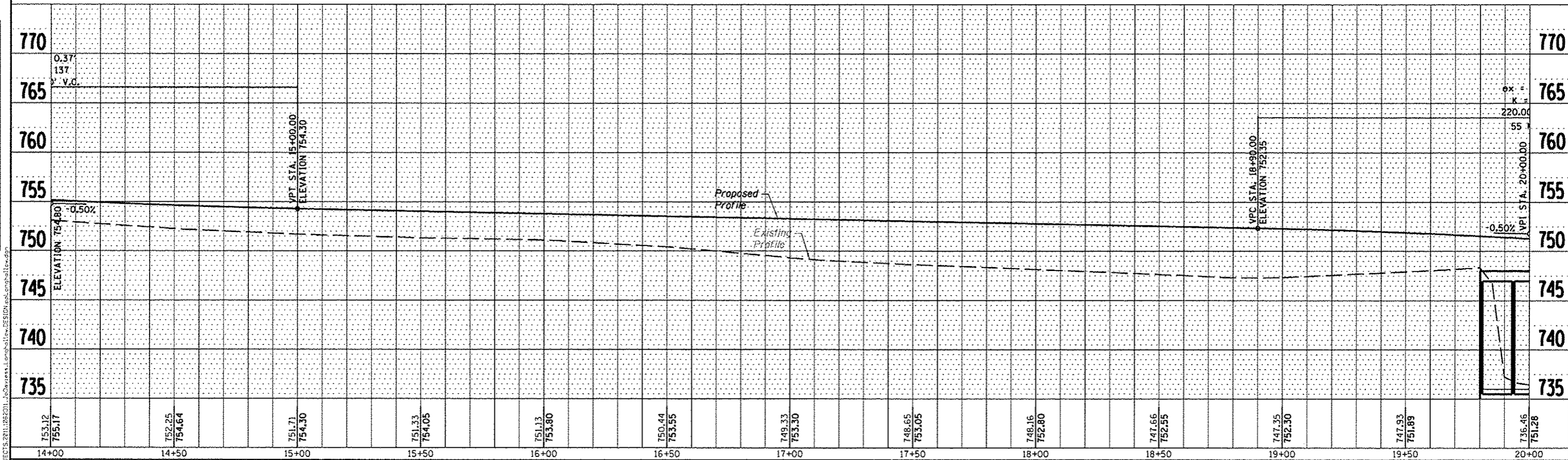
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LEGEND
 ⊕ Rock Probe - No Sampling
 ⊕ Soil Boring and Rock Core
 Refer to Sht. 37 for Boring Logs

CURVE #1 LONGHOLLOW
 SUPER TRANSITION:
 STA. 17+18.31 TO STA. 18+32.31
 FULL SUPER (4%):
 STA. 18+32.31 TO STA. 22+90.84
 SUPER TRANSITION:
 STA. 22+90.84 TO STA. 24+04.84

PROP. CURVE LONGHOLLOW1
 PI STA. = 20+64.04
 Δ = 19° 18' 20" (RT)
 D = 3° 44' 41"
 R = 1,530.00'
 T = 260.23'
 L = 515.53'
 E = 21.97'
 e = 4%
 T.R. = 38
 S.E. RUN = 76
 P.C. STA = 18+03.81
 P.T. STA = 23+19.34



DESIGNED - J.R.R.
 DRAWN - D.L.B.
 CHECKED - G.F.S.
 DATE - 01/2013

REVISED -
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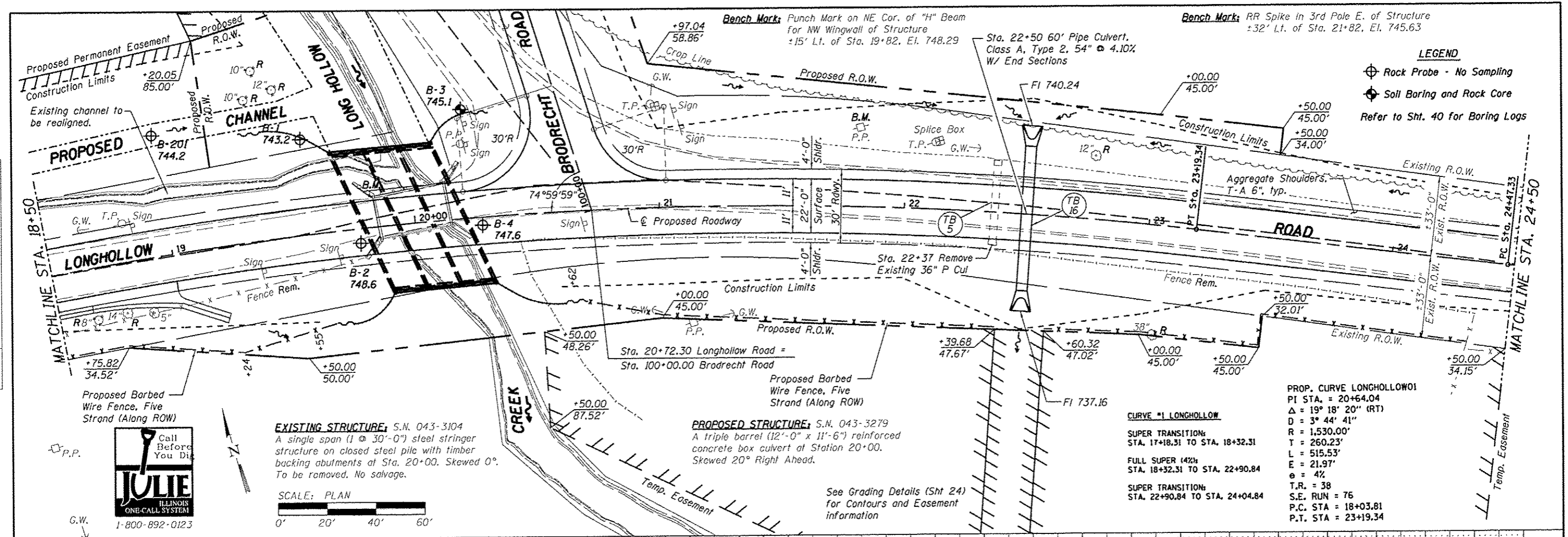
**JO DAVIESS COUNTY
 LONGHOLLOW ROAD BRIDGE REPLACEMENT
 2013**

**PLAN & PROFILE
 LONGHOLLOW ROAD**
 SCALE: 1" = 20'-0" SHEET NO. 2 OF 4 SHEETS STA. 14+00.00 TO STA. 20+00.00

TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	17
WHA* 1062011			CONTRACT NO. 85595	
ILLINOIS FED. AID PROJECT BROS-0085(056)				

PLAN	DATE
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PROFILE	DATE
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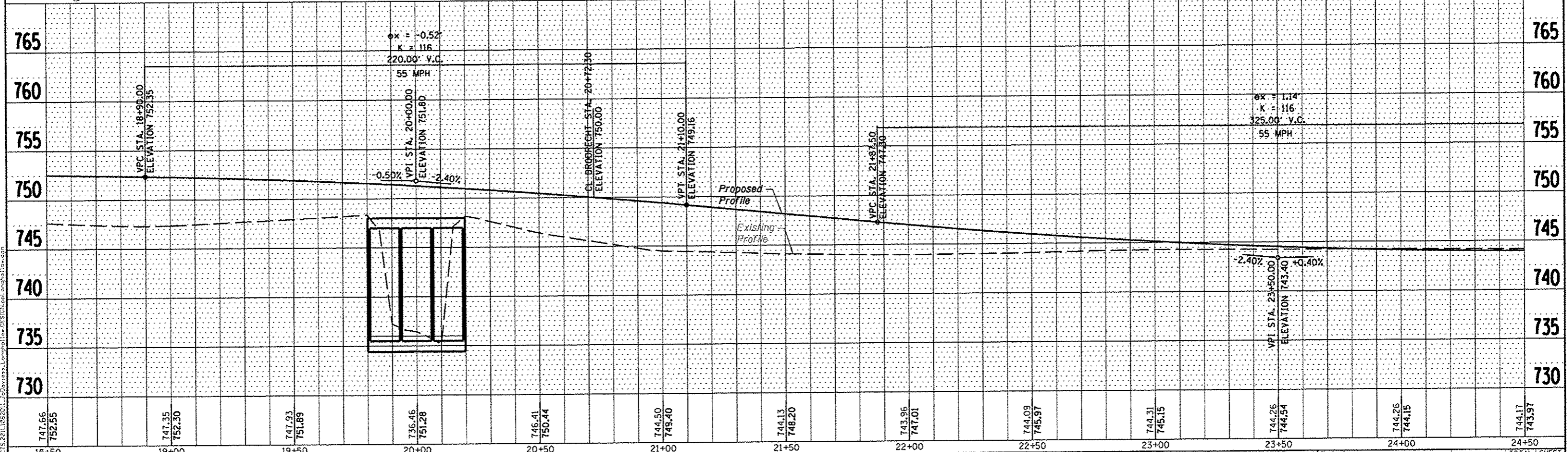


EXISTING STRUCTURE, S.N. 043-3104
 A single span (1 @ 30'-0") steel stringer structure on closed steel pile with timber backing abutments at Sta. 20+00. Skewed 0°. To be removed. No salvage.

PROPOSED STRUCTURE, S.N. 043-3279
 A triple barrel (12'-0" x 11'-6") reinforced concrete box culvert at Station 20+00. Skewed 20° Right Ahead.

CURVE #1 LONGHOLLOW
 PI STA. = 20+64.04
 $\Delta = 19^\circ 18' 20''$ (RT)
 $D = 3^\circ 44' 41''$
 $R = 1,530.00'$
 $T = 260.23'$
 $L = 515.53'$
 $E = 21.97'$
 $e = 4\%$
 $T.R. = 38$
 $S.E. RUN = 76$
 $P.C. STA = 18+03.81$
 $P.T. STA = 23+19.34$

See Grading Details (Sht 24) for Contours and Easement information



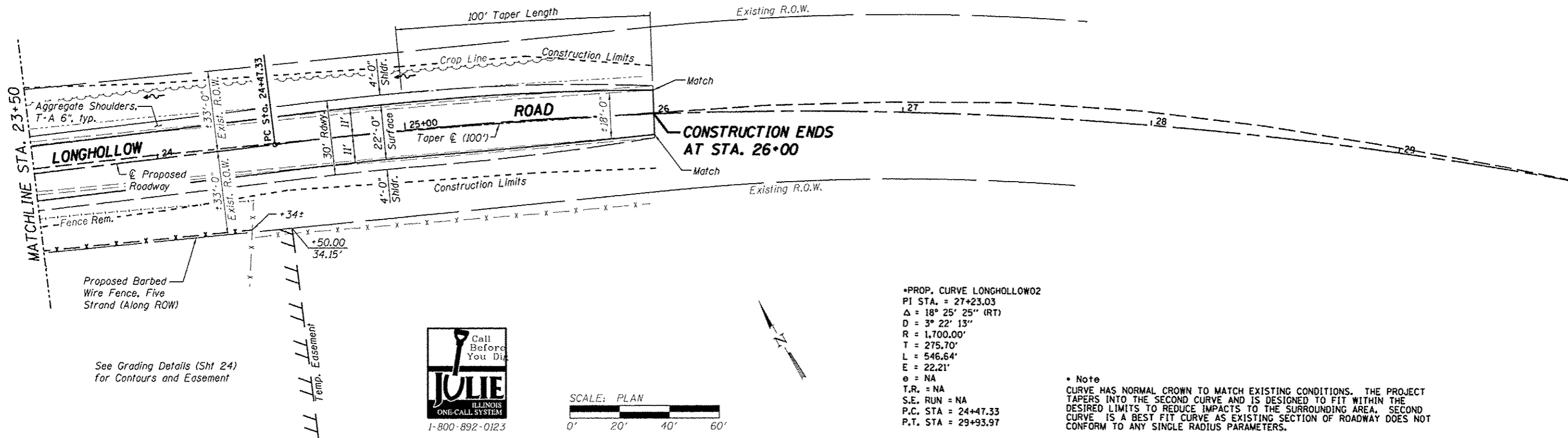
DESIGNED -	J.R.R.	REVISED -	
DRAWN -	D.L.B.	REVISED -	
CHECKED -	G.F.S.	REVISED -	
DATE -	01/2013	REVISED -	

**JO DAVIESS COUNTY
 LONGHOLLOW ROAD BRIDGE REPLACEMENT
 2013**

**PLAN & PROFILE
 LONGHOLLOW ROAD**
 SCALE: 1" = 20'-0" SHEET NO. 3 OF 4 SHEETS STA. 18+50.00 TO STA. 24+50.00

TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	18
WHA* 1062011			CONTRACT NO. 85595	
ILLINOIS FED. AID PROJECT			BROS-00850561	

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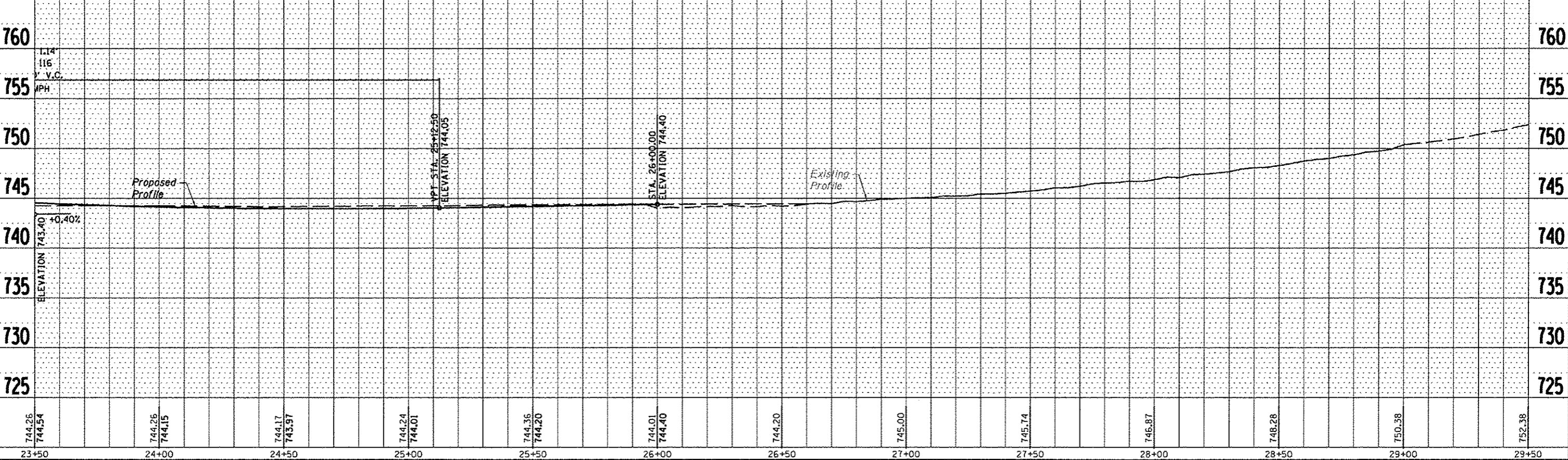
See Grading Details (Sht 24) for Contours and Easement

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•PROP. CURVE LONGHOLLOW02
 PI STA. = 27+23.03
 Δ = 18° 25' 25" (RT)
 D = 3° 22' 13"
 R = 1,700.00'
 T = 275.70'
 L = 546.64'
 E = 22.21'
 e = NA
 T.R. = NA
 S.E. RUN = NA
 P.C. STA = 24+47.33
 P.T. STA = 29+93.97

• Note
 CURVE HAS NORMAL CROWN TO MATCH EXISTING CONDITIONS. THE PROJECT TAPERS INTO THE SECOND CURVE AND IS DESIGNED TO FIT WITHIN THE DESIRED LIMITS TO REDUCE IMPACTS TO THE SURROUNDING AREA. SECOND CURVE IS A BEST FIT CURVE AS EXISTING SECTION OF ROADWAY DOES NOT CONFORM TO ANY SINGLE RADIUS PARAMETERS.

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NO. _____	
NO. _____	
NO. _____	



WILLET HOFMANN ASSOCIATES INC.
 ENGINEERING ARCHITECTURE LAND SURVEYING
 809 EAST 2ND STREET, DOWN, IL 61021-0342
 T 815 234 4381 DESIGN FAX 815 400 0918

DESIGNED - J.R.R.	REVISED -
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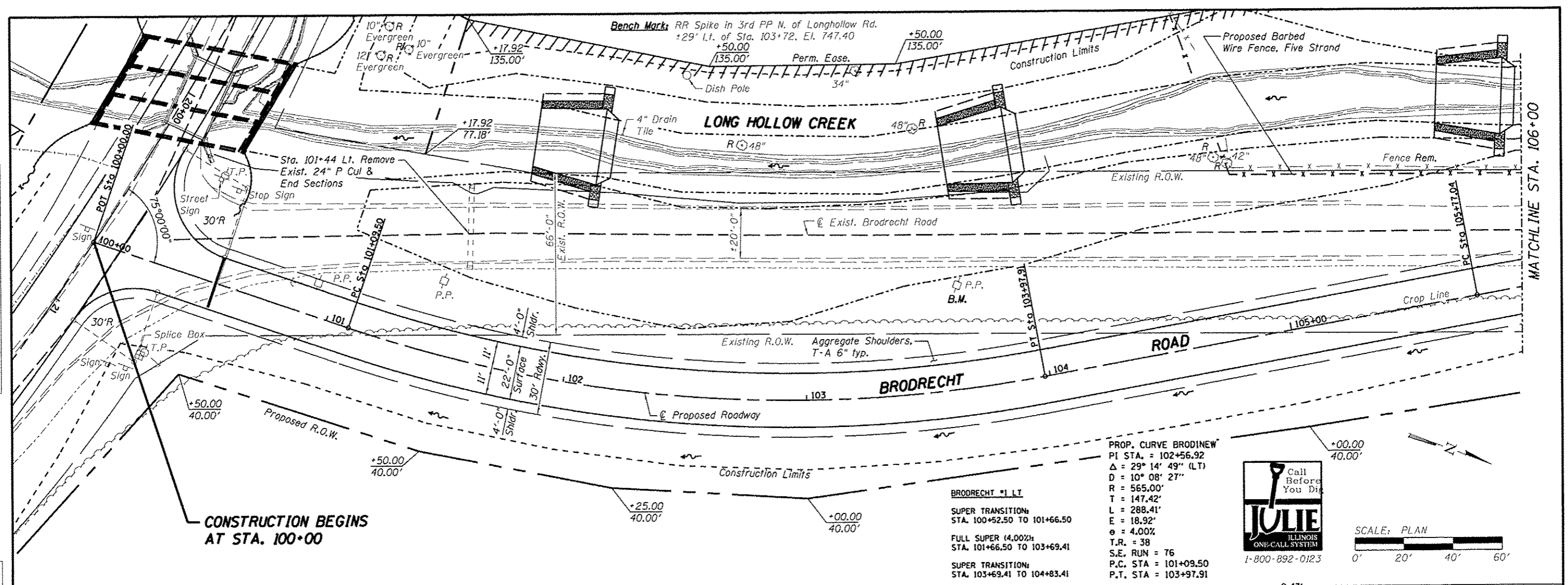
**JO DAVIESS COUNTY
 LONGHOLLOW ROAD BRIDGE REPLACEMENT
 2013**

**PLAN & PROFILE
 LONGHOLLOW ROAD**
 SCALE: 1" = 20'-0" SHEET NO. 4 OF 4 SHEETS STA. 23+50.00 TO STA. 29+50.00

TWP. 117	SECTION 11-07115-00-BR	COUNTY JO DAVIESS	TOTAL SHEETS 73	SHEET NO. 19
WHA* 1062011			CONTRACT NO. 85595	
ILLINOIS FED. AID PROJECT BR05-005(056)				

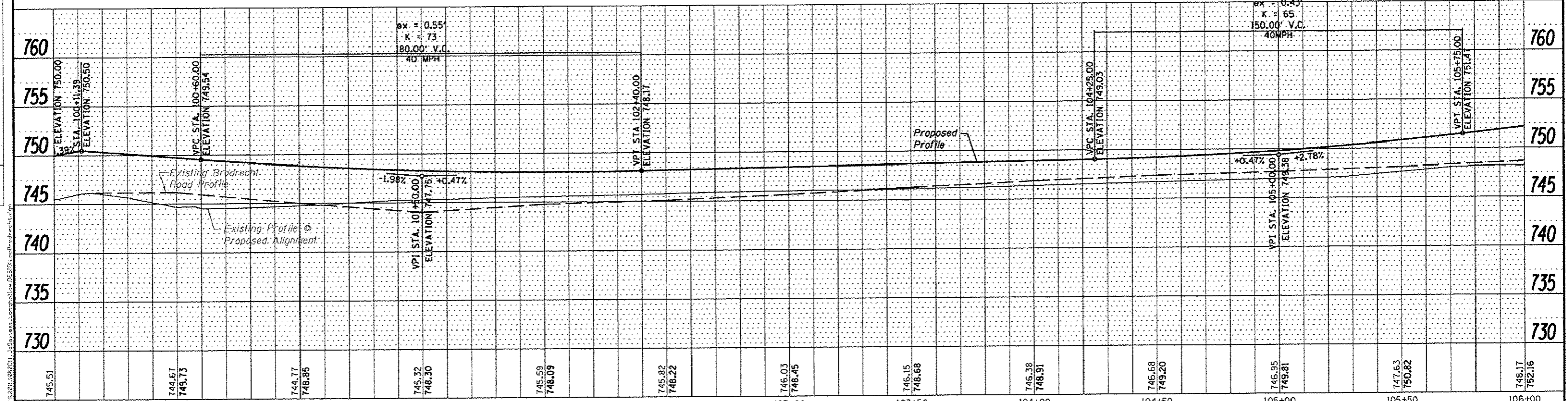
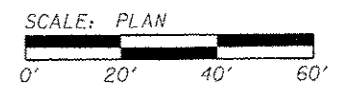
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CONSTRUCTION BEGINS AT STA. 100+00

BRODRECHT #1 LT
 SUPER TRANSITION:
 STA. 100+52.50 TO 101+66.50
 FULL SUPER (4.00%)
 STA. 101+66.50 TO 103+69.41
 SUPER TRANSITION:
 STA. 103+69.41 TO 104+83.41



WILLETT HOFMANN ASSOCIATES INC.
 ENGINEERING ARCHITECTURE LAND SURVEYING
 809 EAST 2ND STREET, TERON, IL 61902-0367
 T. 815.234.3381 FAX. 815.234.9099

DESIGNED - J.R.R.	REVISED -
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CHECKED - G.F.S.	REVISED -

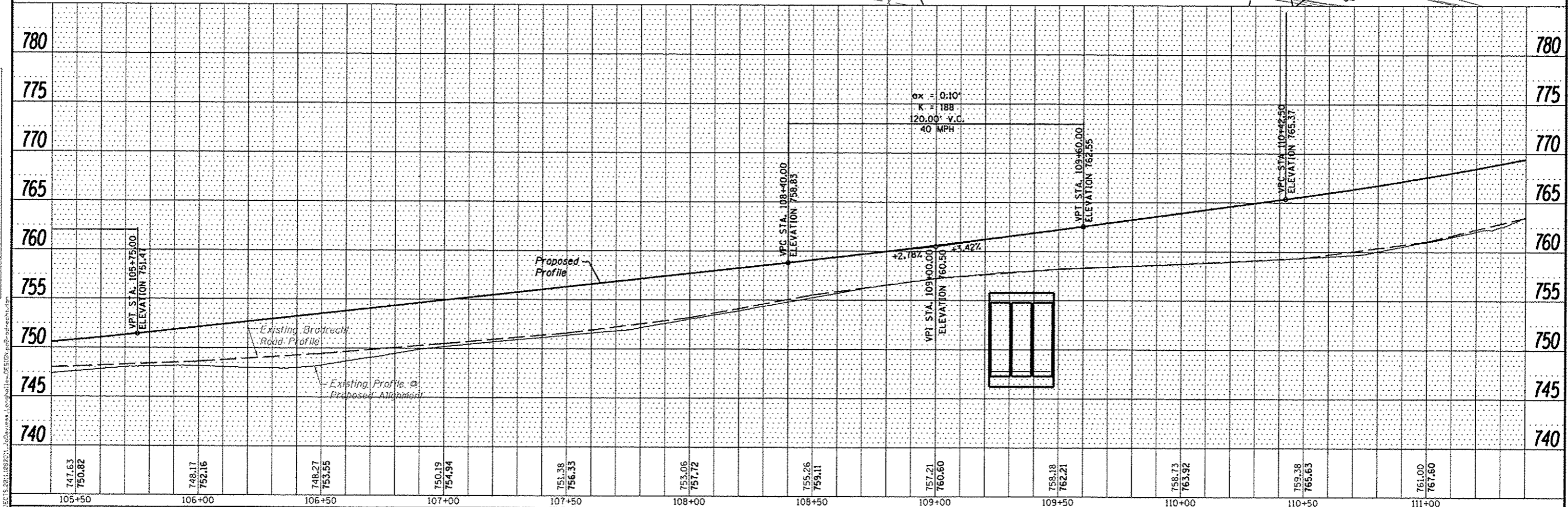
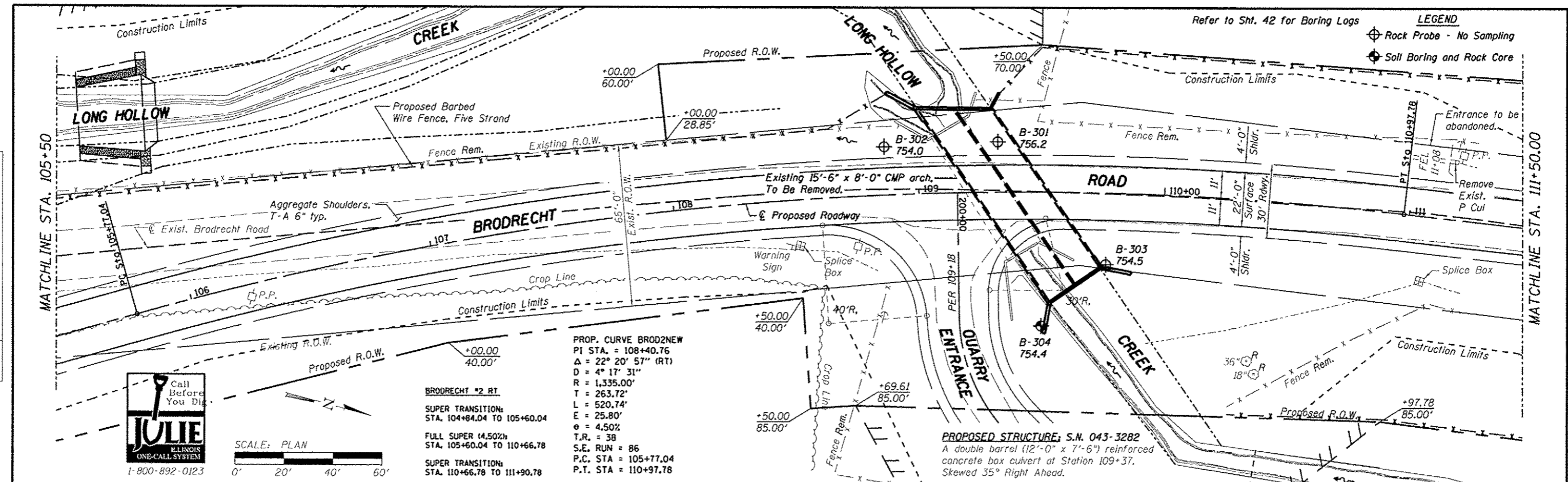
**JO DAVIESS COUNTY
 LONGHOLLOW ROAD BRIDGE REPLACEMENT
 2013**

PLAN AND PROFILE	
BRODRECHT ROAD	
SCALE: 1" = 20'	SHEET NO. 1 OF 3 SHEETS
STA. 100+00 TO STA. 106+00	

TWP. & R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	20
WHA# 1062011				CONTRACT NO. 85595
ILLINOIS/FED. AID PROJECT BROD-00810561				

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747.63 750.82	748.17 752.16	748.27 753.55	750.19 754.94	751.38 756.33	753.06 757.72	755.26 759.11	757.21 760.60	758.18 762.21	758.73 763.92	759.38 765.63	761.00 767.60
105+50	106+00	106+50	107+00	107+50	108+00	108+50	109+00	109+50	110+00	110+50	111+00

WILLET HOFMANN & ASSOCIATES INC.
 ENGINEERING ARCHITECTURE LAND SURVEYING
 809 EAST JAG STREET, BLOOMINGTON, IL 61710-1067
 T-815-234-3381 DESIGN FIRM #154-605258

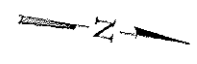
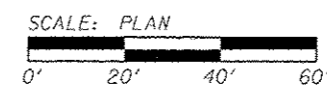
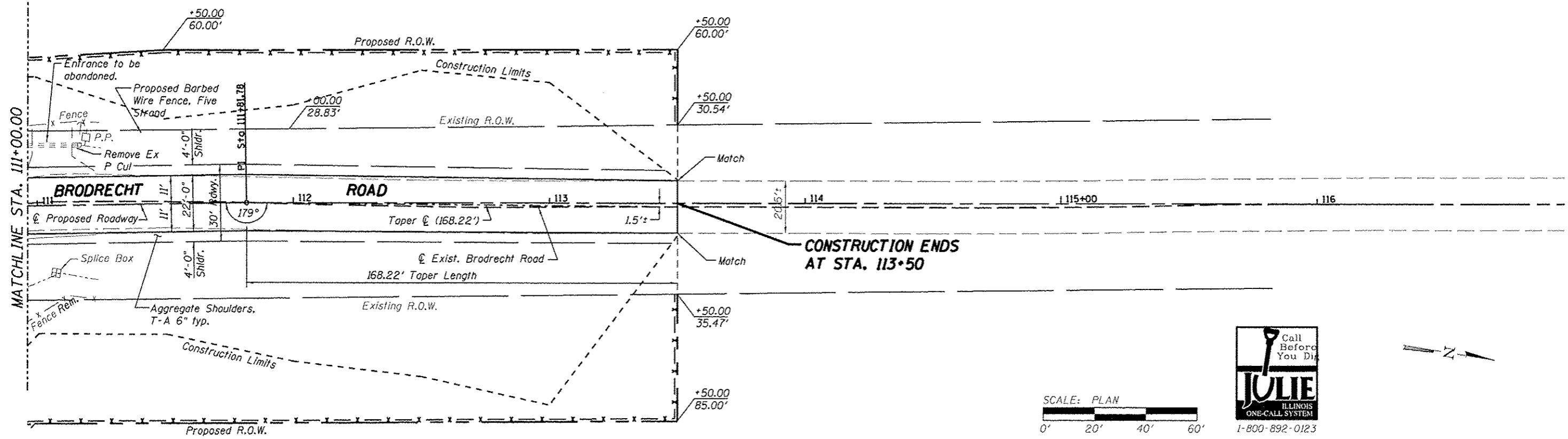
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JO DAVIESS COUNTY
LONGHOLLOW ROAD BRIDGE REPLACEMENT
2013

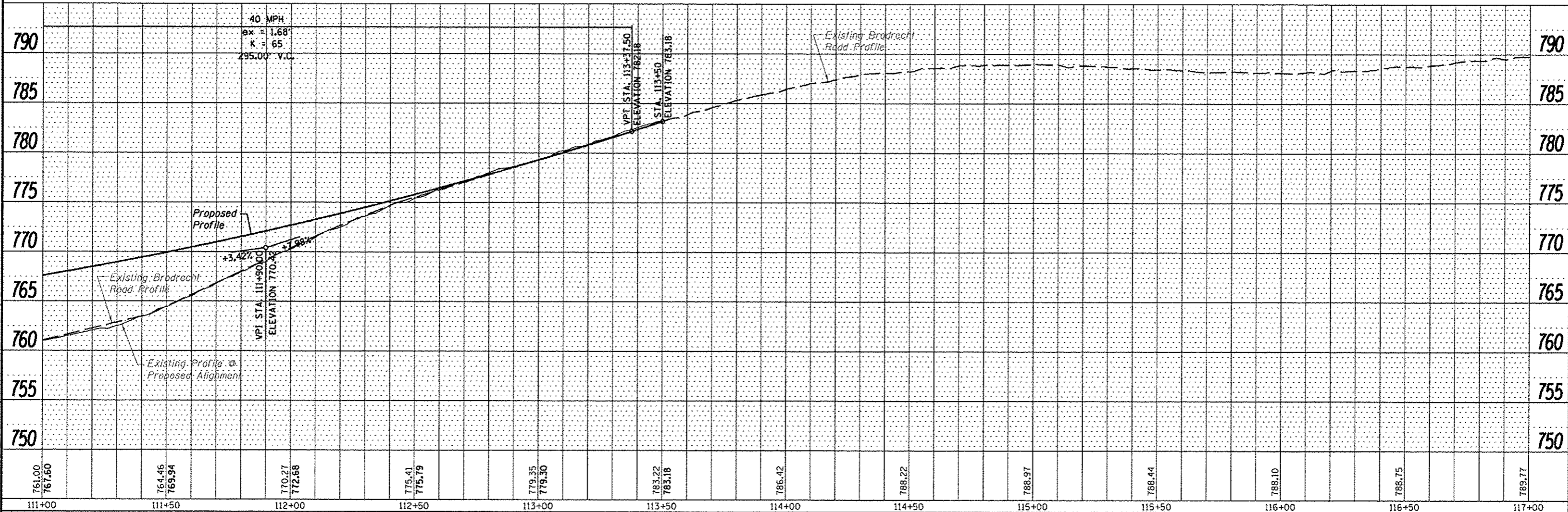
PLAN AND PROFILE
BRODRECHT ROAD
 SCALE: 1" = 20'
 SHEET NO. 2 OF 3 SHEETS
 STA. 105+50 TO STA. 111+50

TWP. RTE. 117	SECTION 11-07115-00-BR	COUNTY JO DAVIESS	TOTAL SHEETS 73	SHEET NO. 21
WHA* 1062011		CONTRACT NO. 85595		
ILLINOIS/FED. AID PROJECT BR05-008510561				

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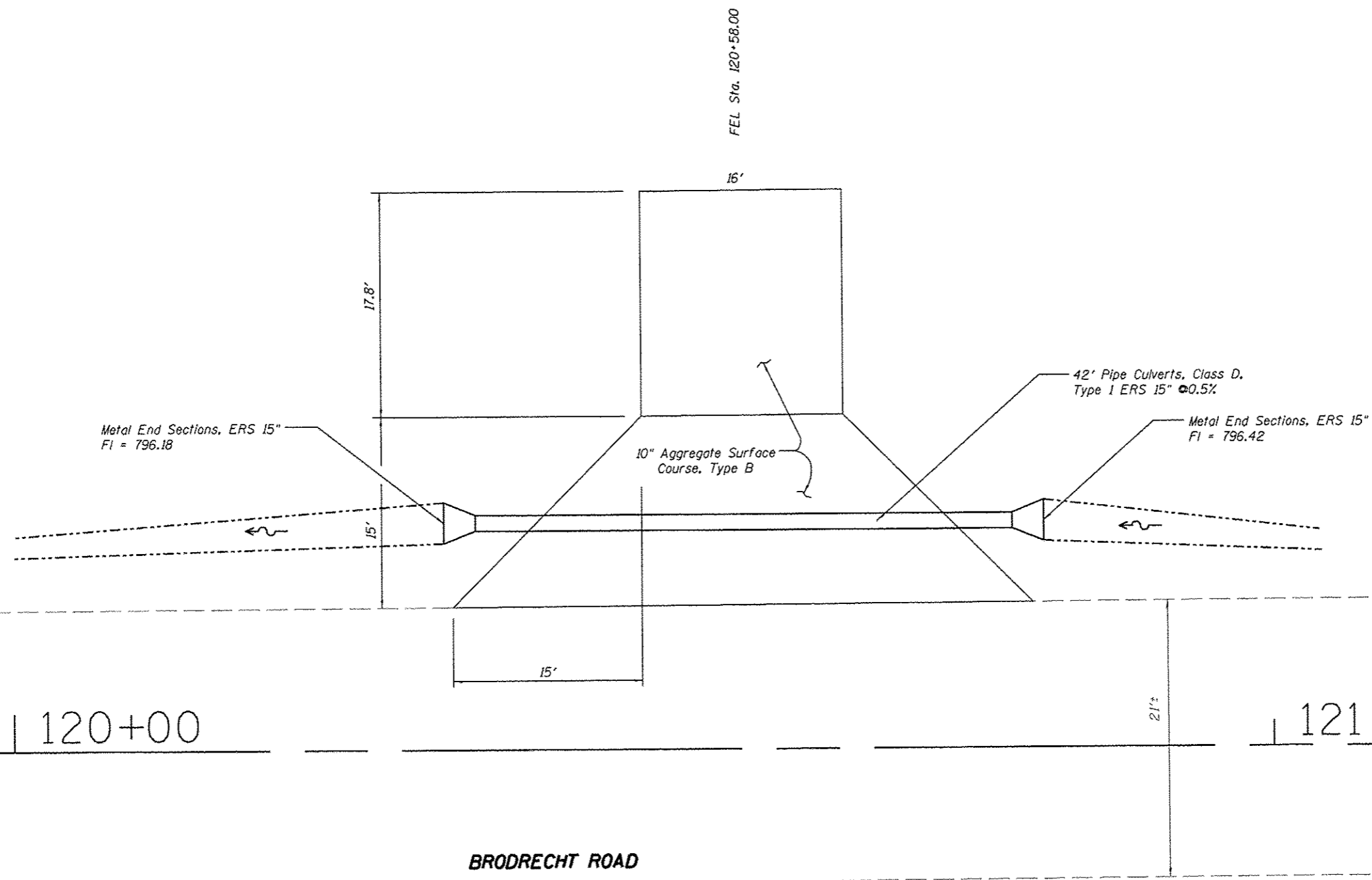
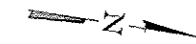
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CHECKED - C.F.S.	REVISED -

**JO DAVIESS COUNTY
LONGHOLLOW ROAD BRIDGE REPLACEMENT
2013**

**PLAN AND PROFILE
BRODRECHT ROAD**

SCALE: 1" = 20'	SHEET NO. 3 OF 3 SHEETS	STA. 111+00 TO STA. 117+00
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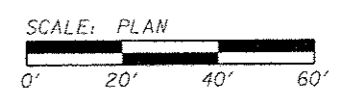
TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	22
WHA# 1062D11		CONTRACT NO. 85595		
ILLINOIS FED. AID PROJECT BR05-00850561				



120+00

121

BRODRECHT ROAD



FILE : S:\PROJECTS\2011\062011_JoDaviness_Longhollow\DESIGN\Stage 1\plan.dgn



DESIGNED - J.R.R.	REVISED -
CHECKED - G.F.S.	REVISED -
DRAWN - D.L.B.	REVISED -
CHECKED - G.F.S.	REVISED -

**JO DAVIESS COUNTY
LONGHOLLOW ROAD BRIDGE REPLACEMENT
2013**

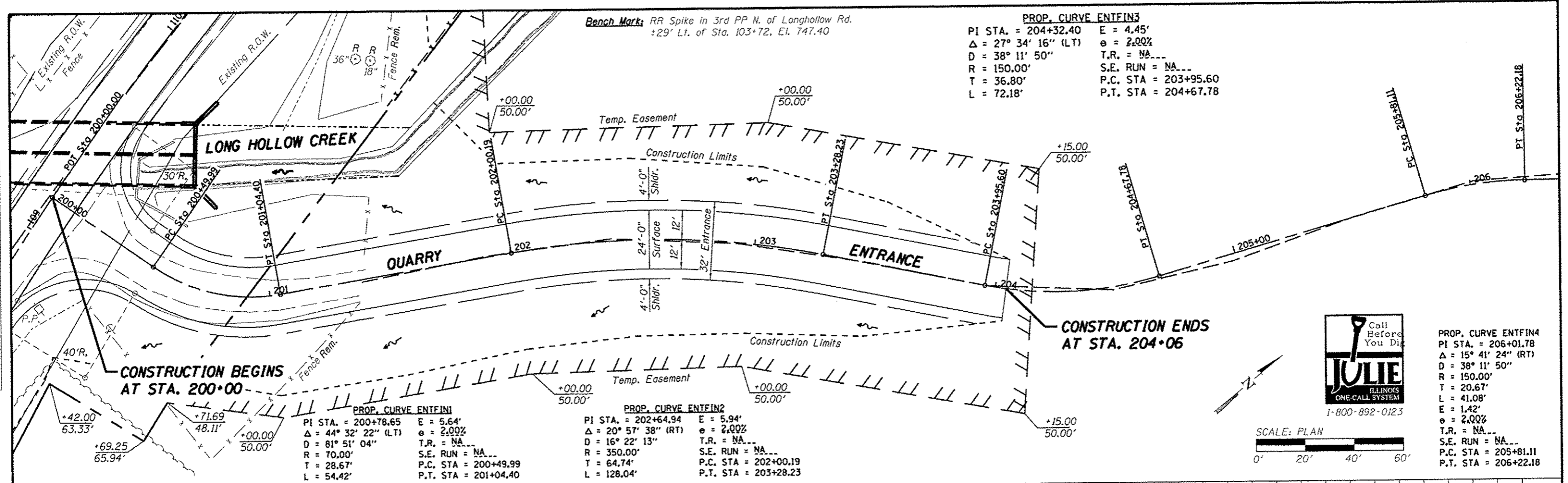
**PLAN BRODRECHT ROAD
FIELD ENTRANCE**

SHEET NO. 1 OF 1 SHEETS STA. 120+00.00 TO STA. 121+05.00

TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	23
WHA* 1062011			CONTRACT NO. 85595	
ILLINOIS FED. AID PROJECT BR05-0055(056)				

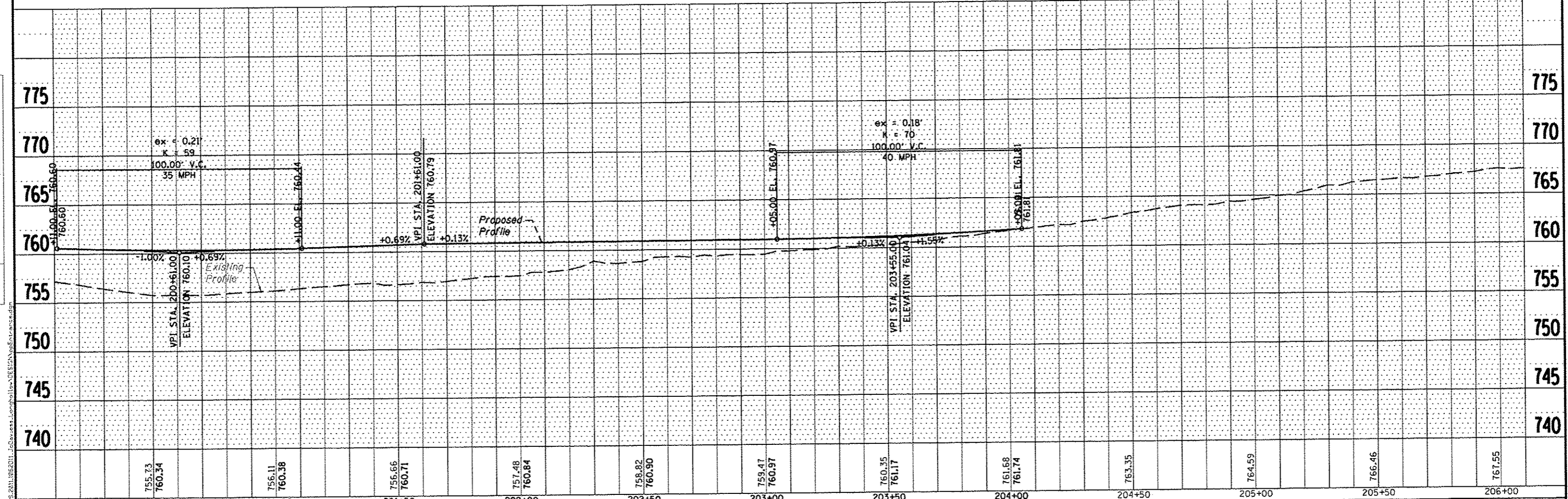
PLAN	DATE
BY	
CHECKED	
APPROVED	
NO. _____	

PROFILE	DATE
BY	
CHECKED	
APPROVED	
NO. _____	



Call Before You Dig
JULIE
 ILLINOIS ONE-CALL SYSTEM
 1-800-892-0123

SCALE: PLAN
 0' 20' 40' 60'



200+50	201+00	201+50	202+00	202+50	203+00	203+50	204+00	204+50	205+00	205+50	206+00
755.73 760.34	756.11 760.38	756.66 760.71	757.48 760.84	758.92 760.90	759.47 760.97	760.35 761.17	761.68 761.74	763.35	764.59	766.46	767.95

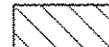




DESIGNED - J.R.R.	REVISD -	JO DAVIESS COUNTY LONGHOLLOW ROAD BRIDGE REPLACEMENT 2013	PLAN AND PROFILE PRIVATE ENTRANCE
CHECKED - G.F.S.	REVISD -		
DRAWN - D.L.B.	REVISD -		
CHECKED - M.A.C.	REVISD -		

TWP. RTE. 117	SECTION 11-07115-00-BR	COUNTY JO DAVIESS	TOTAL SHEETS 73	SHEET NO. 24
WHA* 1062011			CONTRACT NO. 85595	
ILLINOIS FED. AID PROJECT BROS-0085056				

SCALE: 1" = 20'-0" SHEET NO. 1 OF 1 SHEETS STA. 200+00.00 TO STA. 206+25.00

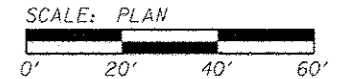
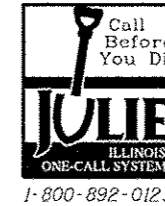
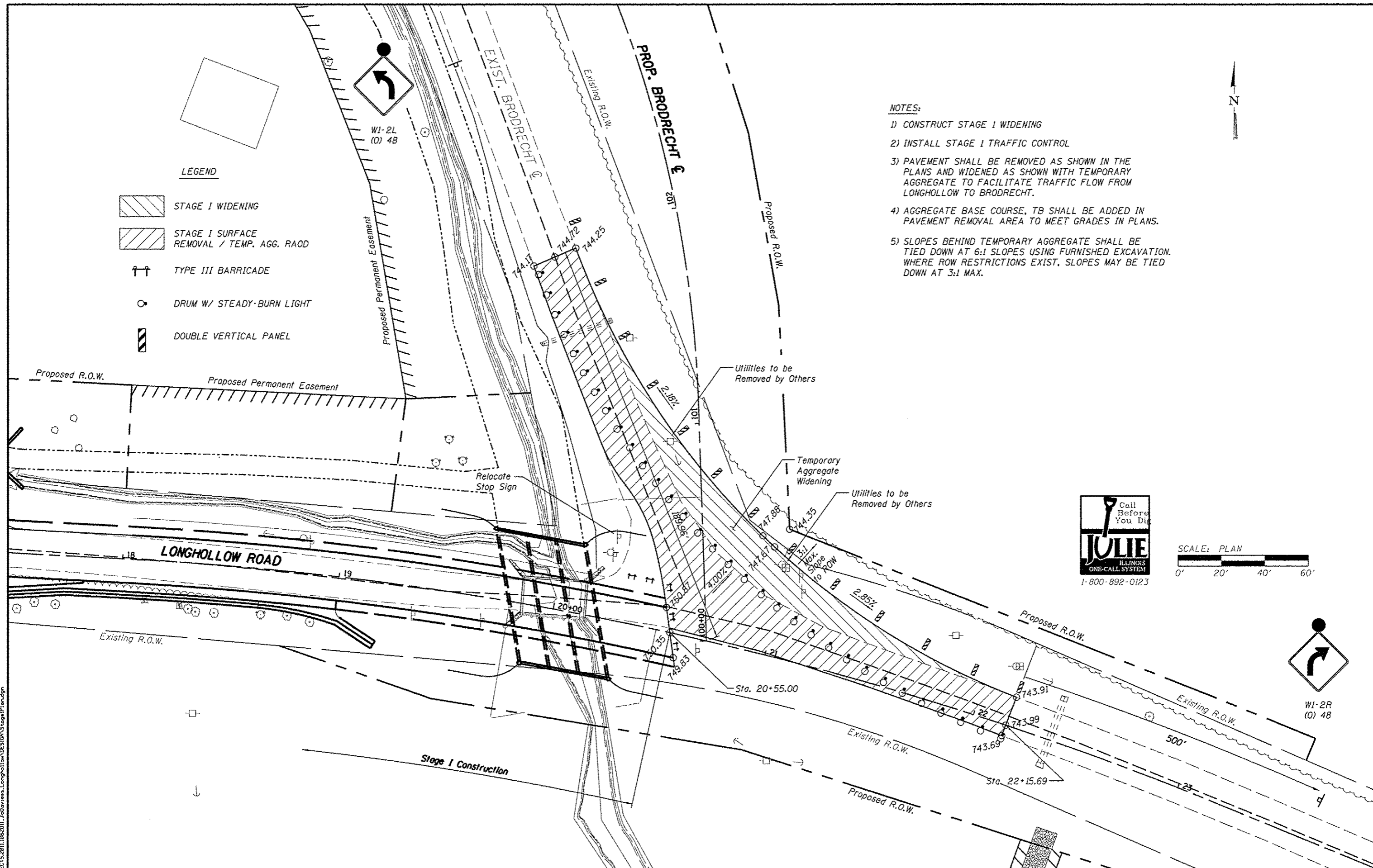


LEGEND

-  STAGE I WIDENING
-  STAGE I SURFACE REMOVAL / TEMP. AGG. ROAD
-  TYPE III BARRICADE
-  DRUM W/ STEADY-BURN LIGHT
-  DOUBLE VERTICAL PANEL

NOTES:

- 1) CONSTRUCT STAGE I WIDENING
- 2) INSTALL STAGE I TRAFFIC CONTROL
- 3) PAVEMENT SHALL BE REMOVED AS SHOWN IN THE PLANS AND WIDENED AS SHOWN WITH TEMPORARY AGGREGATE TO FACILITATE TRAFFIC FLOW FROM LONGHOLLOW TO BRODRECHT.
- 4) AGGREGATE BASE COURSE, TB SHALL BE ADDED IN PAVEMENT REMOVAL AREA TO MEET GRADES IN PLANS.
- 5) SLOPES BEHIND TEMPORARY AGGREGATE SHALL BE TIED DOWN AT 6:1 SLOPES USING FURNISHED EXCAVATION. WHERE ROW RESTRICTIONS EXIST, SLOPES MAY BE TIED DOWN AT 3:1 MAX.



FILE # S:\PROJECTS\2011\1162011_1\Drawings\Longhollow\DESIGN\Stage1Plan.dwg

WILLET HOFMANN & ASSOCIATES, INC.
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DOWNER, IL 61921-6367
T. 815-234-3387 DESIGN/PLN. #124-007918

DESIGNED - J.R.R.	REVISED -
CHECKED - G.F.S.	REVISED -
DRAWN - D.L.B.	REVISED -
CHECKED - G.F.S.	REVISED -

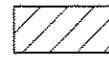
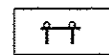
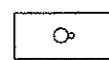
**JO DAVIESS COUNTY
LONGHOLLOW ROAD BRIDGE REPLACEMENT
2013**

**STAGE I PLAN
LONGHOLLOW /BRODRECHT ROAD**

SHEET NO. 1 OF 3 SHEETS

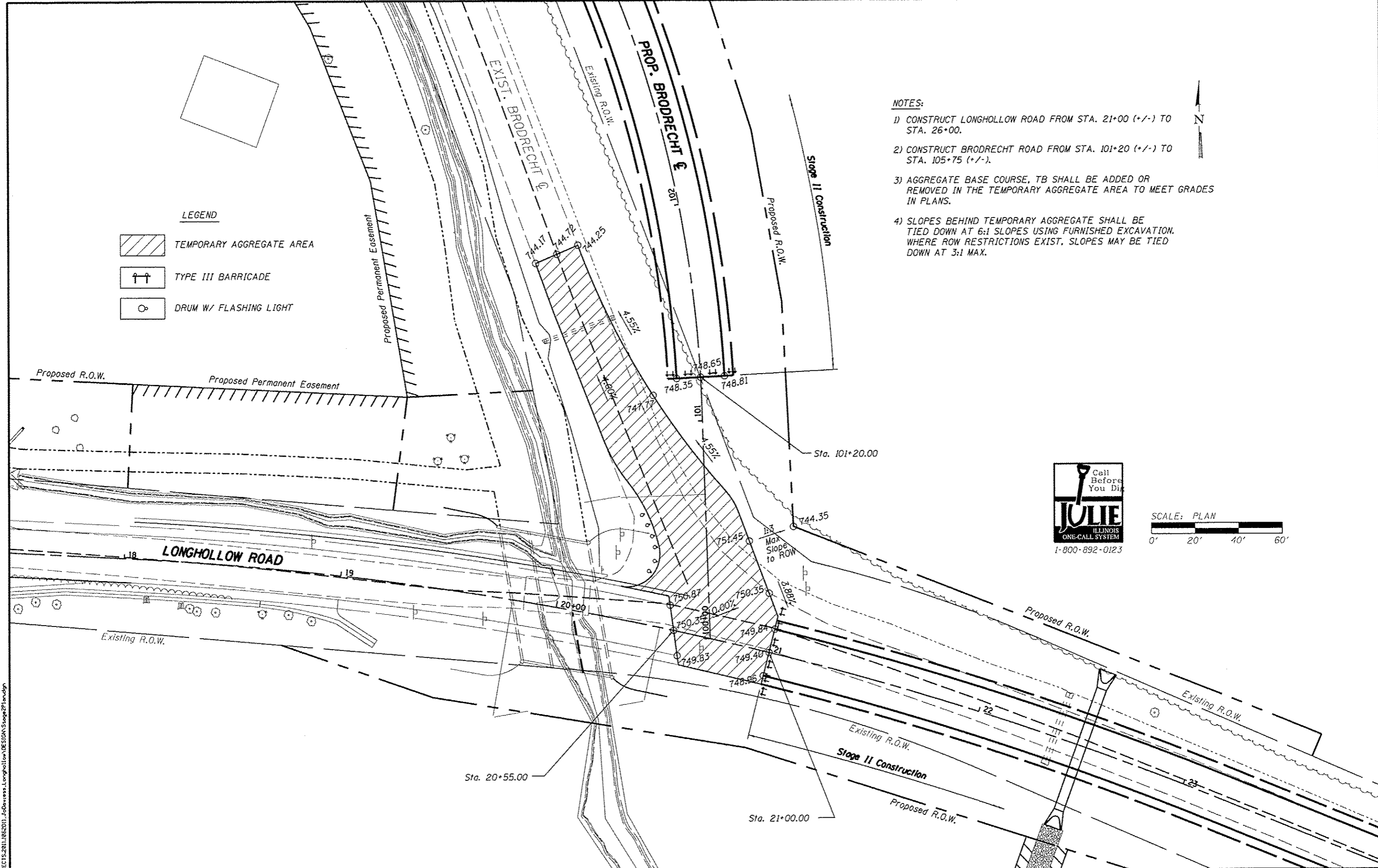
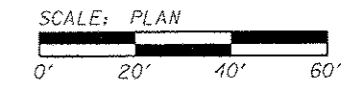
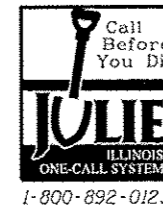
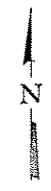
TWP. RTE. 117	SECTION 11-07115-00-BR	COUNTY JO DAVIESS	TOTAL SHEETS 73	SHEET NO. 25
WHA# 1062011		CONTRACT NO. 85595		
[ILLINOIS] FED. AID PROJECT BROS-C08510561				

LEGEND

-  TEMPORARY AGGREGATE AREA
-  TYPE III BARRICADE
-  DRUM W/ FLASHING LIGHT

NOTES:

- 1) CONSTRUCT LONGHOLLOW ROAD FROM STA. 21+00 (+/-) TO STA. 26+00.
- 2) CONSTRUCT BRODRECHT ROAD FROM STA. 101+20 (+/-) TO STA. 105+75 (+/-).
- 3) AGGREGATE BASE COURSE, TB SHALL BE ADDED OR REMOVED IN THE TEMPORARY AGGREGATE AREA TO MEET GRADES IN PLANS.
- 4) SLOPES BEHIND TEMPORARY AGGREGATE SHALL BE TIED DOWN AT 6:1 SLOPES USING FURNISHED EXCAVATION. WHERE ROW RESTRICTIONS EXIST, SLOPES MAY BE TIED DOWN AT 3:1 MAX.



FILE # S:\PROJECTS\2011\1062011_1062011_1062011_1062011\JO DAVIESS\Longhollow\DESIGN\Stage2\11en.dgn

WILLET HOFMANN ASSOCIATES INC.
 ENGINEERING ARCHITECTURE LAND SURVEYING
 809 EAST 2ND STREET, DODGE, IL 61021-0347
 T: 815-244-3330 DESIGN: FINAL #124-002919

DESIGNED - J.R.R.	REVISED -
CHECKED - G.F.S.	REVISED -
DRAWN - D.L.B.	REVISED -
CHECKED - G.F.S.	REVISED -

**JO DAVIESS COUNTY
 LONGHOLLOW ROAD BRIDGE REPLACEMENT
 2013**

**STAGE II PLAN
 LONGHOLLOW /BRODRECHT ROAD
 SHEET NO. 2 OF 3 SHEETS**

TWP. RTE. 117	SECTION 11-07115-00-BR	COUNTY JO DAVIESS	TOTAL SHEETS 73	SHEET NO. 26
WHA# 1062011			CONTRACT NO. 85595	
[ILLINOIS] FED. AID PROJECT BR05-00510561				



STAGE III NOTES:

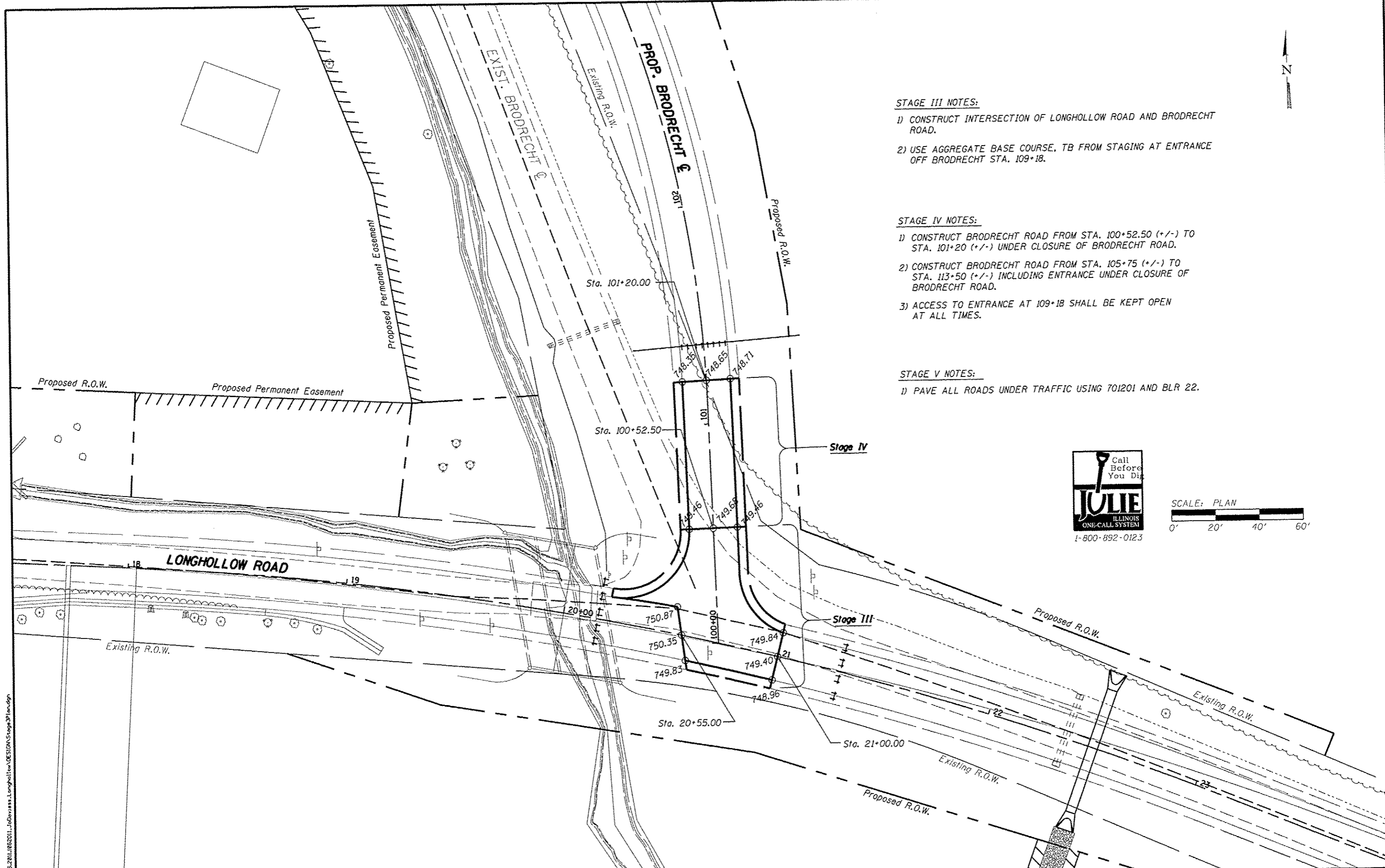
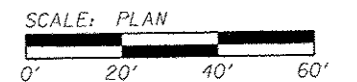
- 1) CONSTRUCT INTERSECTION OF LONGHOLLOW ROAD AND BRODRECHT ROAD.
- 2) USE AGGREGATE BASE COURSE, TB FROM STAGING AT ENTRANCE OFF BRODRECHT STA. 109+18.

STAGE IV NOTES:

- 1) CONSTRUCT BRODRECHT ROAD FROM STA. 100+52.50 (+/-) TO STA. 101+20 (+/-) UNDER CLOSURE OF BRODRECHT ROAD.
- 2) CONSTRUCT BRODRECHT ROAD FROM STA. 105+75 (+/-) TO STA. 113+50 (+/-) INCLUDING ENTRANCE UNDER CLOSURE OF BRODRECHT ROAD.
- 3) ACCESS TO ENTRANCE AT 109+18 SHALL BE KEPT OPEN AT ALL TIMES.

STAGE V NOTES:

- 1) PAVE ALL ROADS UNDER TRAFFIC USING 701201 AND BLR 22.



FILE: S:\PROJECTS\2011\082011\JO Daviess\Longhollow\DWG\Stage 3\Plan.dgn

WILLET HOFMANN ASSOCIATES INC.
 ENGINEERING ARCHITECTURE LAND SURVEYING
 809 E 657 2ND STREET, DIXON, IL 61821-0367
 T: 815-234-3351 FAX: 815-234-3352

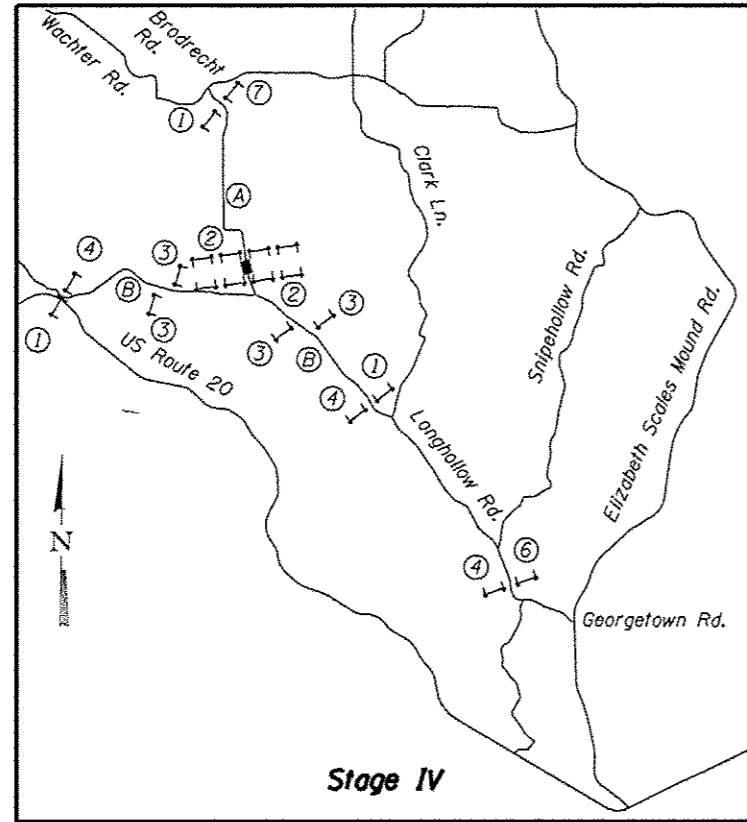
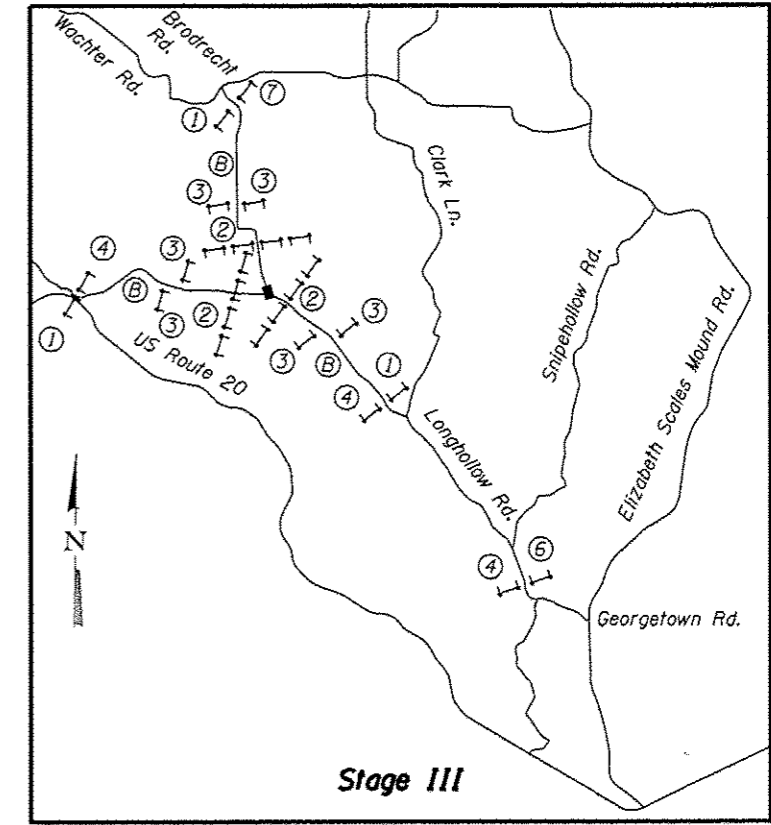
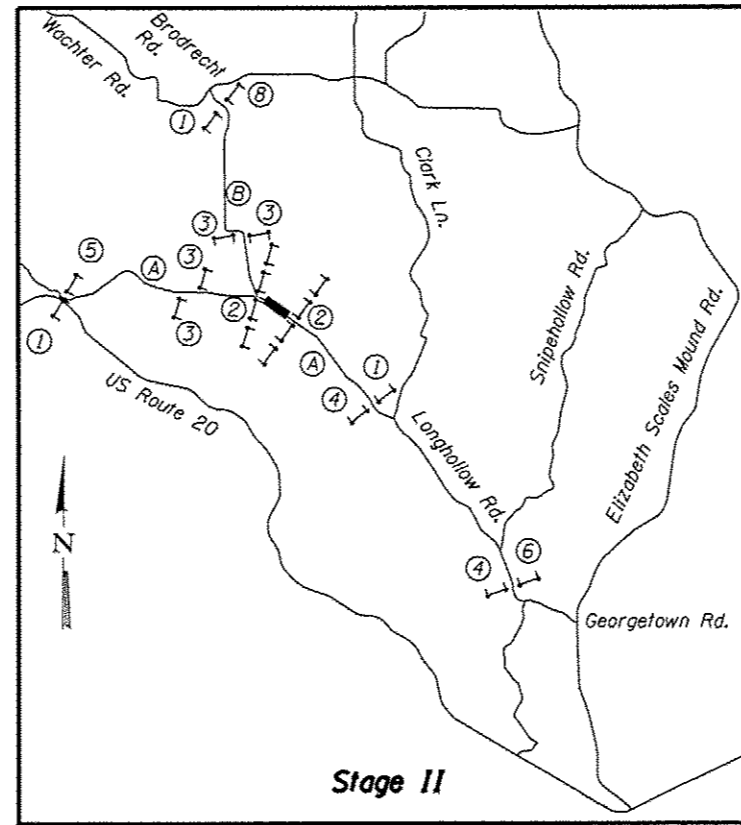
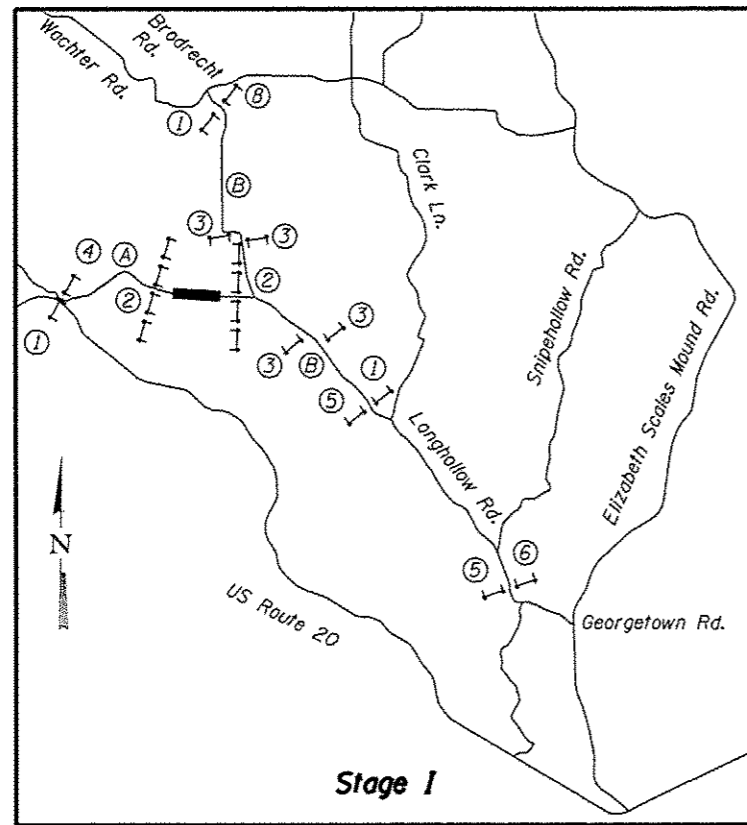
DESIGNED	- J.R.R.	REVISED	-
CHECKED	- G.F.S.	REVISED	-
DRAWN	- D.L.B.	REVISED	-
CHECKED	- G.F.S.	REVISED	-

**JO DAVIESS COUNTY
 LONGHOLLOW ROAD BRIDGE REPLACEMENT
 2013**

**STAGE III PLAN; STAGE IV AND V NOTES
 LONGHOLLOW /BRODRECHT ROAD**

SHEET NO. 3 OF 3 SHEETS

TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	27
WHA* 1062011			CONTRACT NO. 85595	
ILLINOIS FED. AID PROJECT BROS-0085096				



Sign Legend

①		R11-3a 60" X 30"	⑤		Special 60" X 30" Black on Orange
②		R11-2 48" X 30"	⑥		Special 60" X 30" Black on Orange
③		R11-4 60" X 30"	⑦		R11-3a 60" X 30"
④		Special 60" X 30" Black on Orange	⑧		Special 60" X 30" Black on Orange

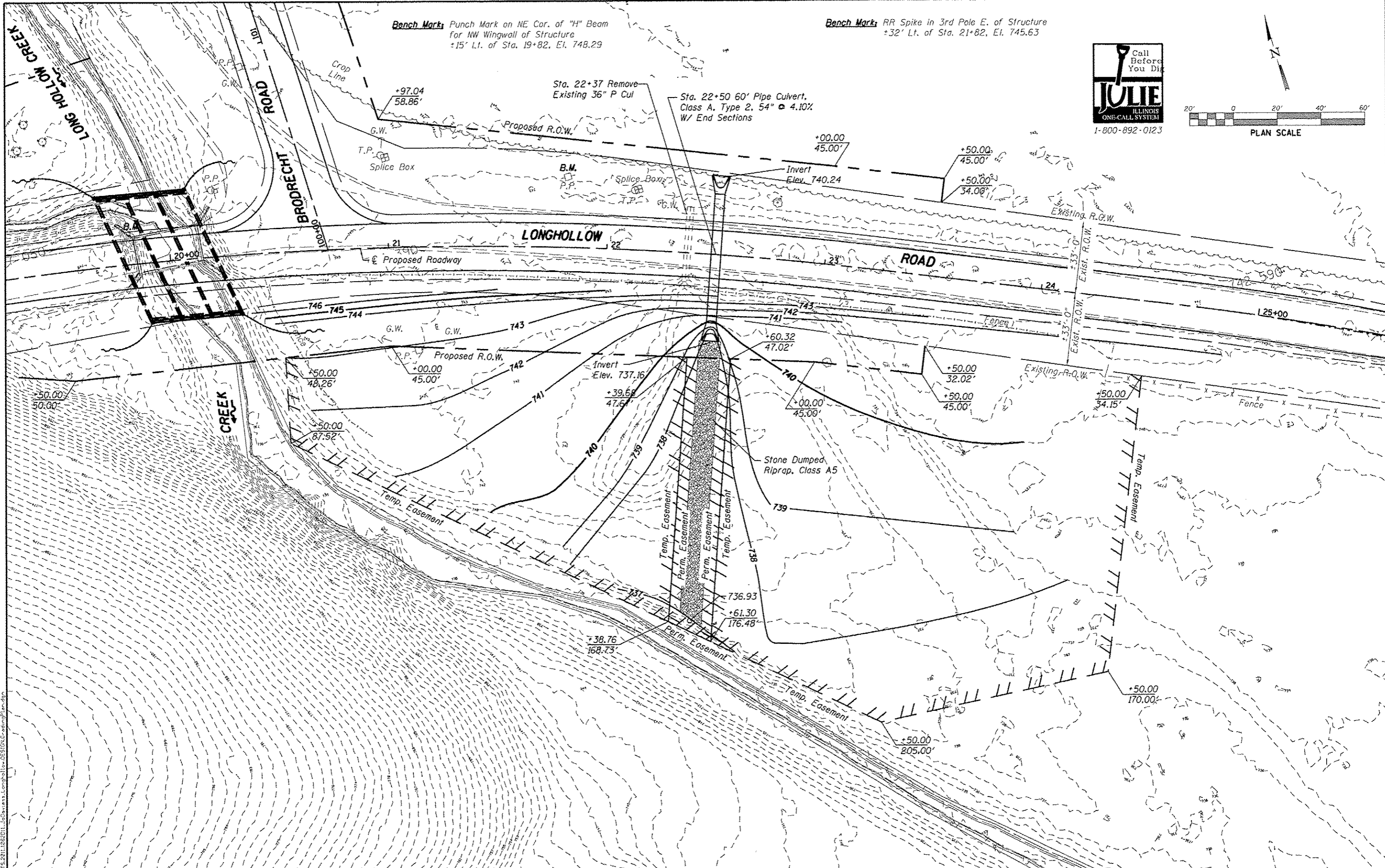
Legend

	Type III Barricade W/ Flashing Lights
	Stage Work Area
Ⓐ	Install Standard B.L.R. 21-9
Ⓑ	Install Standard B.L.R. 22-7

FILE # SNRPROJECTS\2011\062011_0509\snr\Longhollow\DESIGN\StageSignage\04a.dwg

PLAN	DATE
SCHEMATIC	
ALIGNED	
DESIGNED	
NOTED	
FILED	

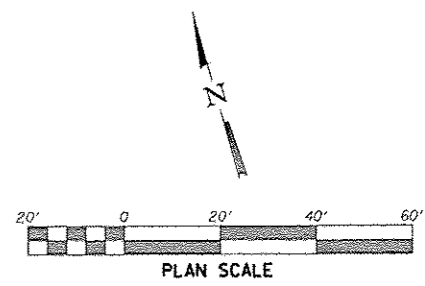
PROFILE	DATE
SCHEMATIC	
ALIGNED	
DESIGNED	
NOTED	
FILED	



Bench Mark: Punch Mark on NE Cor. of "H" Beam
for NW Wingwall of Structure
+15' Lt. of Sta. 19+82, El. 748.29

Bench Mark: RR Spike in 3rd Pole E. of Structure
+32' Lt. of Sta. 21+82, El. 745.63

Call Before You Dig
JULIE
ILLINOIS ONE-CALL SYSTEM
1-800-892-0123



WILLET HOFMANN ASSOCIATES INC.
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 29th STREET, OMAHA, NE 68131-0527
P. 415-264-3381 DESIGN# 8784-000918

DESIGNED - J.R.R.	REVISED -
DRAWN - D.L.B.	REVISED -
CHECKED - G.F.S.	REVISED -
DATE - 01/2013	REVISED -

**JO DAVIESS COUNTY
LONGHOLLOW ROAD BRIDGE REPLACEMENT
2013**

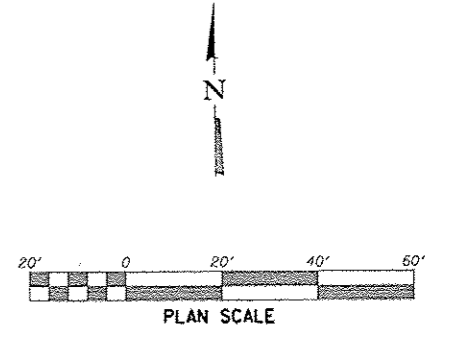
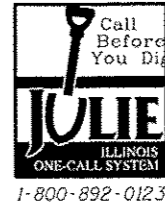
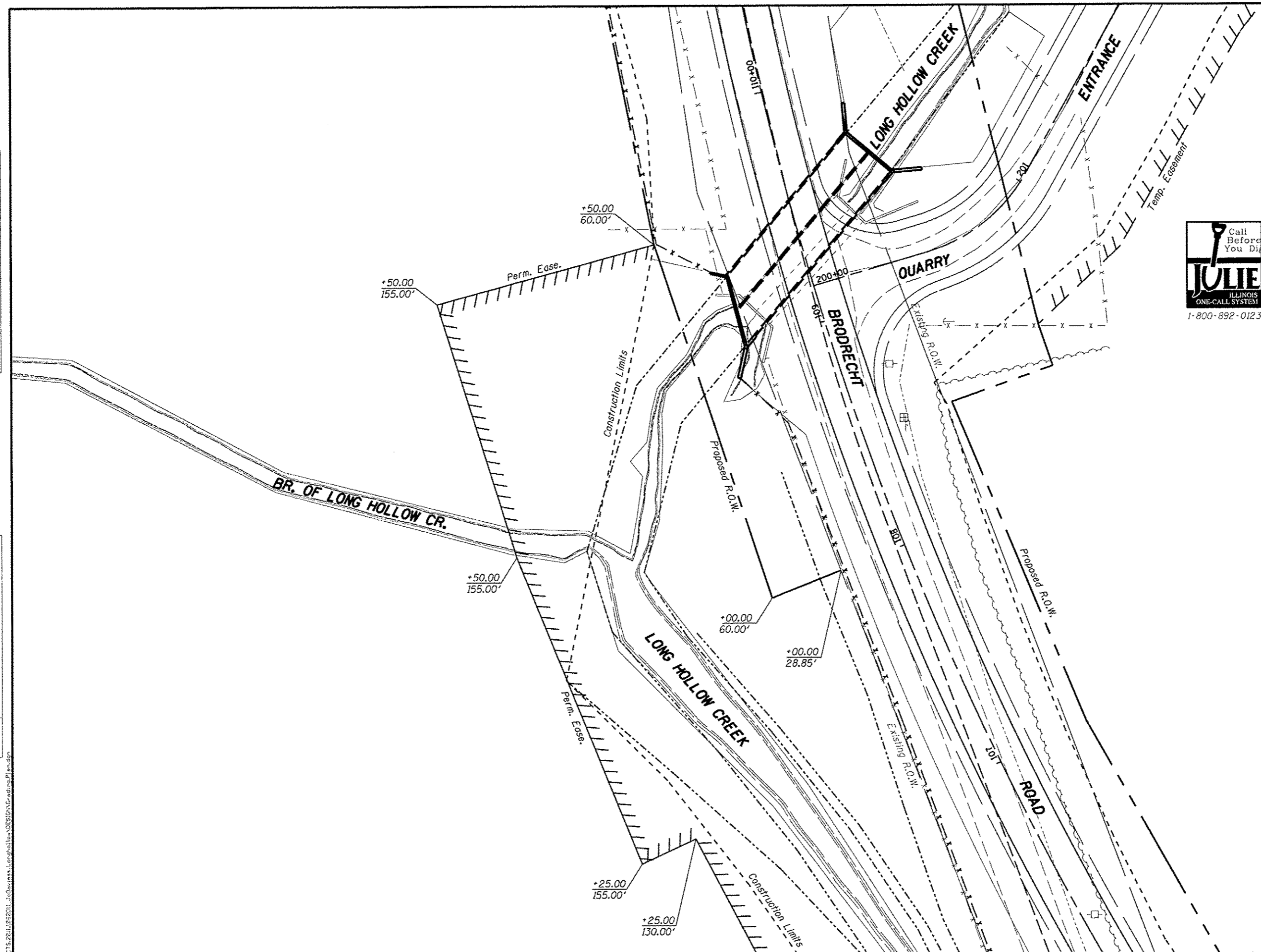
**GRADING DETAILS
LONGHOLLOW ROAD**
SCALE: 1" = 20'-0" SHEET NO. 1 OF 1 SHEETS
STA. 19+50.00 TO STA. 25+50.00

TWP. RTE. 117	SECTION 11-07115-00-BR	COUNTY JO DAVIESS	TOTAL SHEETS 73	SHEET NO. 28
WHA# 1062011			CONTRACT NO. 85595	
ILLINOISIFIED, AID PROJECT BROS-00810561				

FILE: S:\PROJECTS\2011\062011\JO Daviess\Longhollow\DESIGN\C-ading\Plan.dgn

DATE	
BY	
DESIGNED	
CHECKED	
PERMITS	
PLANNING	
CONSTRUCTION	
AS-BUILT	
NO. _____	
PLAN	
NOTE BOOK	
NO. _____	

DATE	
BY	
DESIGNED	
CHECKED	
PERMITS	
PLANNING	
CONSTRUCTION	
AS-BUILT	
NO. _____	
PROFILE	
NOTE BOOK	
NO. _____	



WILLET HOFMANN ASSOCIATES INC.
 ENGINEERING ARCHITECTURE LAND SURVEYING
 800 EAST 2ND STREET, CHICAGO, IL 60627-0167
 P: 312-254-4381 DESIGN FROM: #124-600716

DESIGNED - J.R.R.	REVISED -
CHECKED - G.F.S.	REVISED -
DRAWN - D.L.B.	REVISED -
CHECKED - G.F.S.	REVISED -

**JO DAVIESS COUNTY
 LONGHOLLOW ROAD BRIDGE REPLACEMENT
 2013**

**EASEMENT / R.O.W. DETAILS
 BRODRECHT ROAD**
 SCALE: 1" = 20'-0" SHEET NO. 1 OF 1 SHEETS STA. 107+00.00 TO STA. 110+00.00

TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	29
WHA* 1062011			CONTRACT NO. 85595	
ILLINOIS FED. AID PROJECT BROS-00850561				

LEGEND	
	INLET PROTECTION
	PERIMETER EROSION BARRIER
	DRAINAGE FLOW
	TEMPORARY DITCH CHECK
	TURF REINFORCEMENT MAT OVER SEEDING, CLASS 4
	EROSION CONTROL BLANKET OVER SEEDING, CLASS 2A

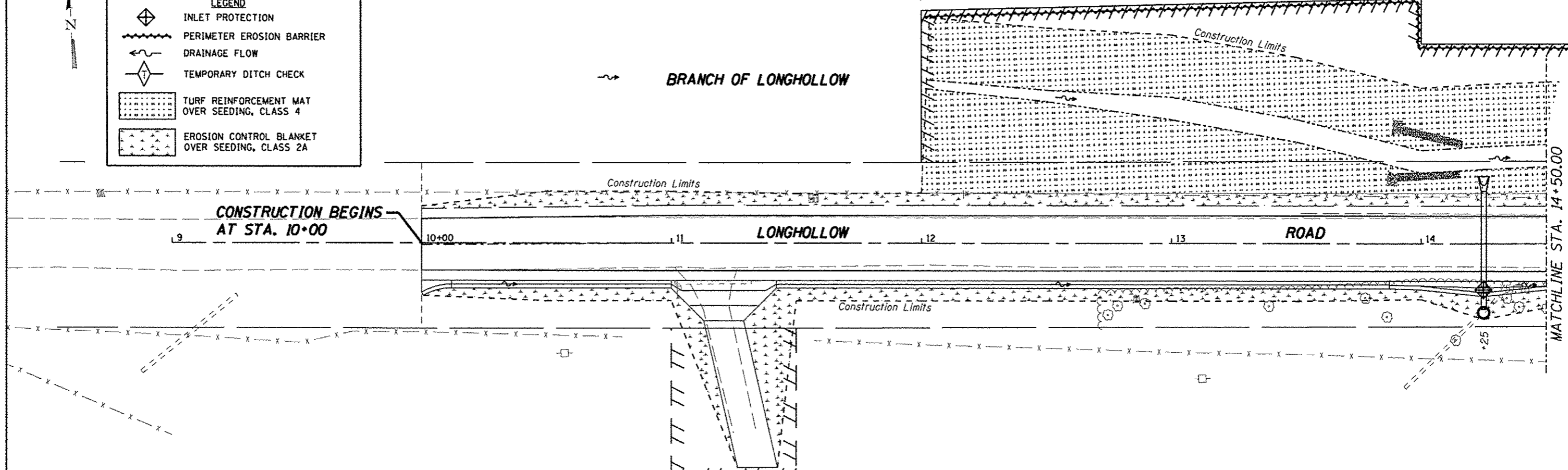


BRANCH OF LONGHOLLOW

CONSTRUCTION BEGINS AT STA. 10+00

LONGHOLLOW

ROAD

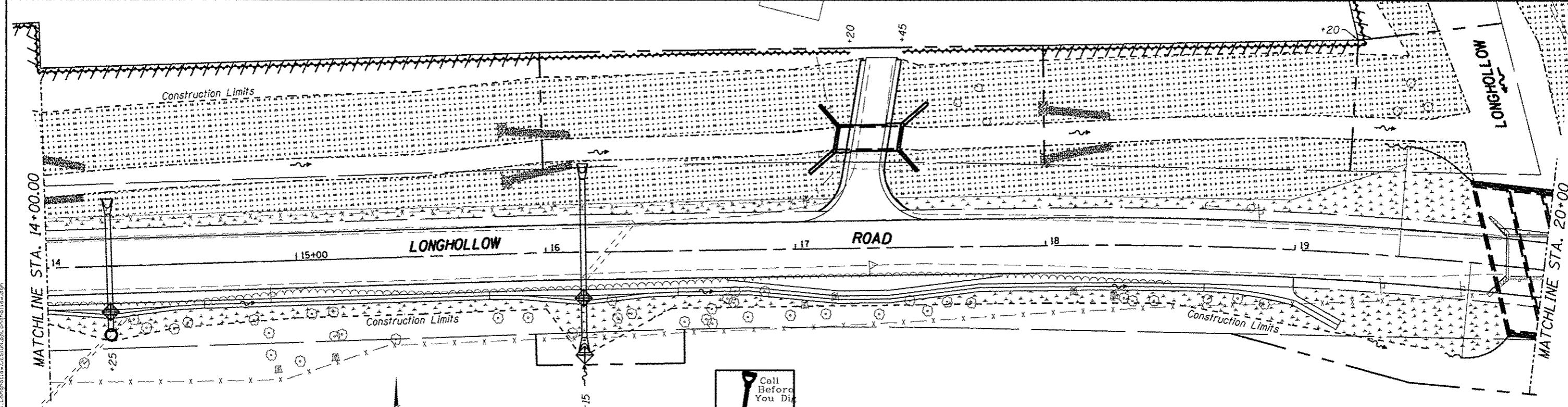


MATCHLINE STA. 14+00.00

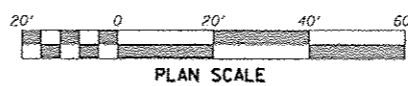
LONGHOLLOW

ROAD

LONGHOLLOW



MATCHLINE STA. 20+00



PLAN SCALE

DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	

DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	

FILE: S:\PROJECTS\2011\082011_JoDavess\Longhollow\DESIGN\plan\plan.dwg

WILLET HOFMANN & ASSOCIATES, INC.
ENGINEERING, ARCHITECTURE, LAND SURVEYING
809 EAST 2ND STREET, DEKALB, IL 61021-0367
T: 815-234-3383 DESIGN/PLN: 815-2099178

DESIGNED	- J.R.R.	REVISED	-
DRAWN	- D.L.B.	REVISED	-
CHECKED	- G.F.S.	REVISED	-
DATE	- 01/2013	REVISED	-

JO DAVIESS COUNTY
LONGHOLLOW ROAD BRIDGE REPLACEMENT
2013

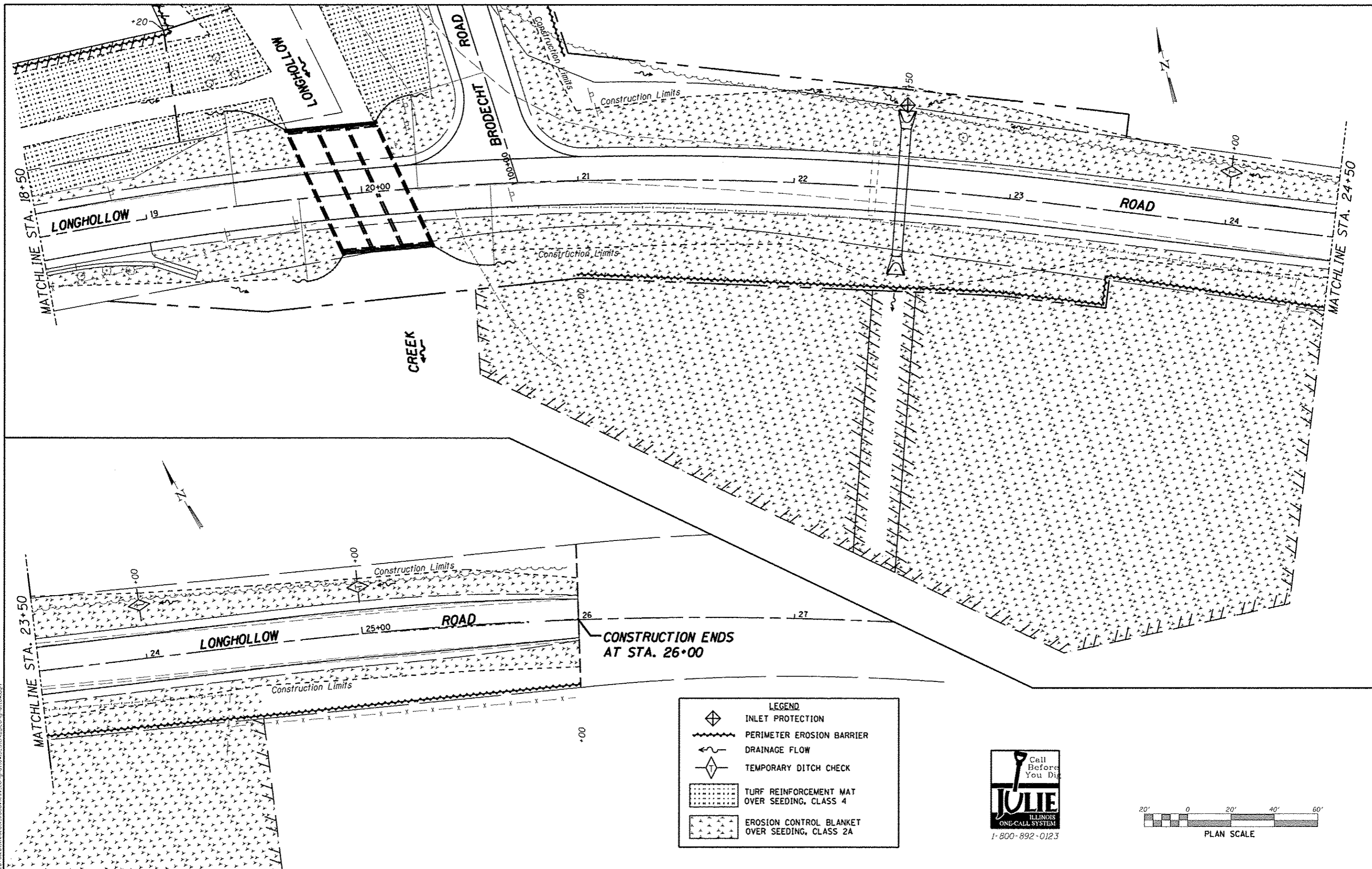
STORM WATER POLLUTION PREVENTION PLAN
LONGHOLLOW ROAD

TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	30
	WHA# 1062011			CONTRACT NO. 85595
ILLINOIS FEDERAL AID PROJECT BROS-00850567				

SCALE: 1" = 20'-0" SHEET NO. 1 OF 6 SHEETS STA. 10+00.00 TO STA. 20+00.00

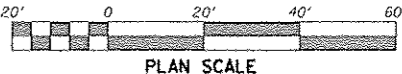
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PROJECT NO.	
DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	
PROJECT NO.	



LEGEND

- INLET PROTECTION
- PERIMETER EROSION BARRIER
- DRAINAGE FLOW
- TEMPORARY DITCH CHECK
- TURF REINFORCEMENT MAT OVER SEEDING, CLASS 4
- EROSION CONTROL BLANKET OVER SEEDING, CLASS 2A



WILLET HOFMANN ASSOCIATES INC.
 ENGINEERING ARCHITECTURE LAND SURVEYING
 809 1457 2ND STREET, DIXON, IL 61021-0167
 T. 815-294-3351 FAX. 815-294-0091

DESIGNED	- J.R.R.	REVISED	-
DRAWN	- D.L.B.	REVISED	-
CHECKED	- G.F.S.	REVISED	-
DATE	- 01/2013	REVISED	-

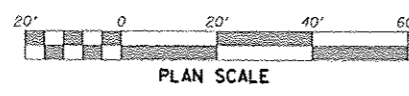
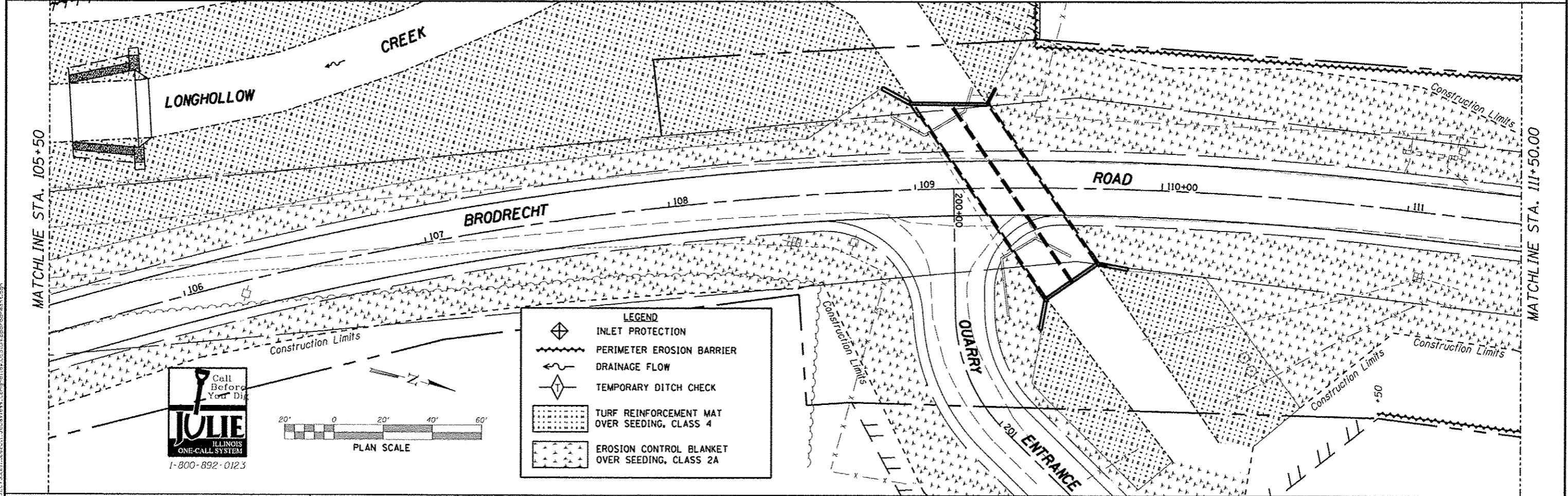
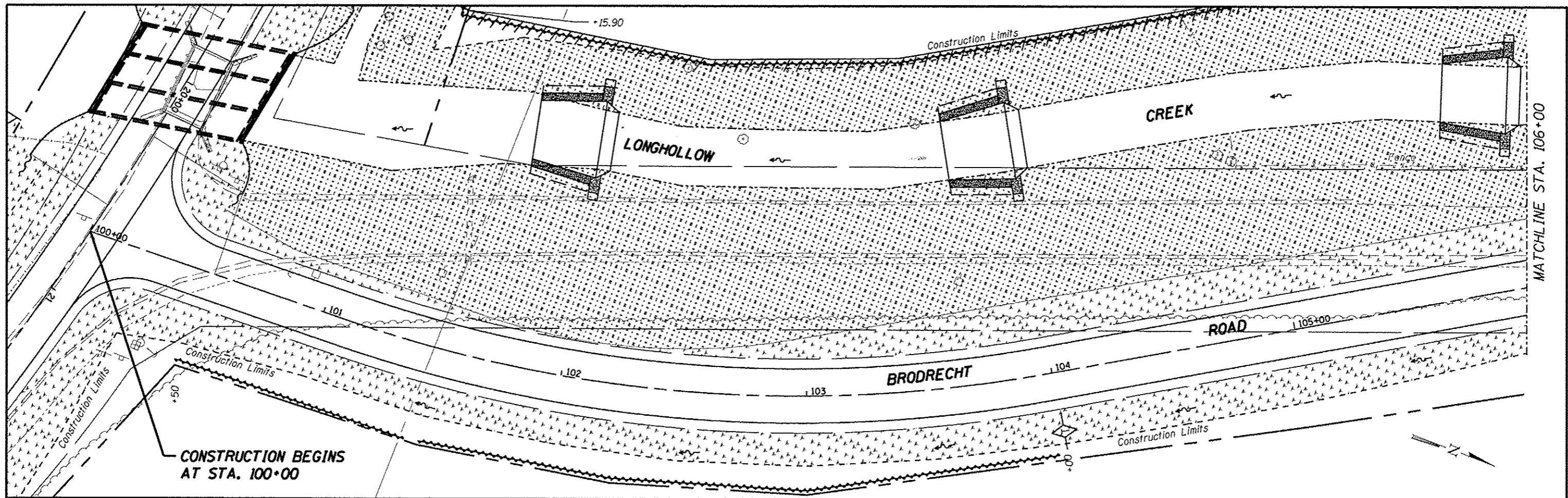
**JO DAVIESS COUNTY
 LONGHOLLOW ROAD BRIDGE REPLACEMENT
 2013**

**STORM WATER POLLUTION PREVENTION PLAN
 LONGHOLLOW ROAD**
 SCALE: 1" = 20'-0" SHEET NO. 2 OF 6 SHEETS STA. 18+50.00 TO STA. 26+00.00

TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	31
WHA* 1062011		CONTRACT NO. 85595		
ILLINOIS FED. AID PROJECT BROS-00851036				

PLAN	DATE
REVISED	
ALIGNED	
ASSEMBLED	
NOTE BOOK	
NO. OF PAGES	
NO.	
NO.	
NO.	

PROFILE	DATE
REVISED	
ALIGNED	
ASSEMBLED	
NOTE BOOK	
NO. OF PAGES	
NO.	
NO.	
NO.	



LEGEND	
	INLET PROTECTION
	PERIMETER EROSION BARRIER
	DRAINAGE FLOW
	TEMPORARY DITCH CHECK
	TURF REINFORCEMENT MAT OVER SEEDING, CLASS 4
	EROSION CONTROL BLANKET OVER SEEDING, CLASS 2A

WILLET HOFMANN ASSOCIATES INC.
 ENGINEERING ARCHITECTURE LAND SURVEYING
 809 EAST 2ND STREET, DUNDEE, IL 61021-9167
 7,815 234-3183 DESIGN FIRM: A134-009918

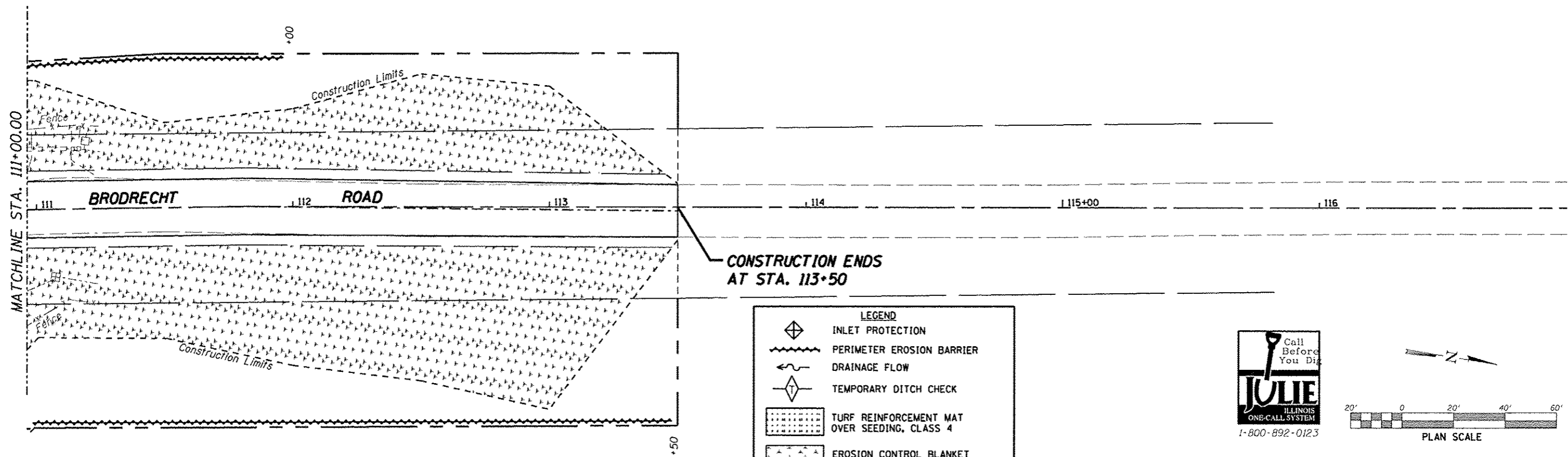
DESIGNED	- J.R.R.	REVISED	-
CHECKED	- G.F.S.	REVISED	-
DRAWN	- D.L.B.	REVISED	-
CHECKED	- G.F.S.	REVISED	-

JO DAVIESS COUNTY
LONGHOLLOW ROAD BRIDGE REPLACEMENT
2013

STORM WATER POLLUTION PREVENTION PLAN
BRODRECHT ROAD
 SCALE: 1" = 20' SHEET NO. 3 OF 6 SHEETS STA. 100+00.00 TO STA. 111+50.00

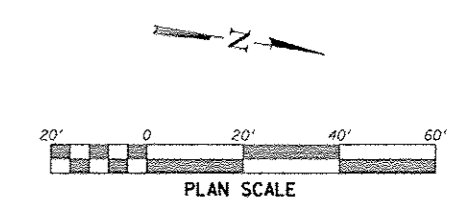
TWP.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	32
WHA# 1062D11		CONTRACT NO. 85595		
ILLINOIS FED. AID PROJECT BR05-008510551				

DATE	
BY	
REVISION	
PLANNED	
DESIGNED	
CHECKED	
NOTED	
NO. OF SHEETS	
NO. OF THIS SHEET	
PROJECT NAME	
DATE	

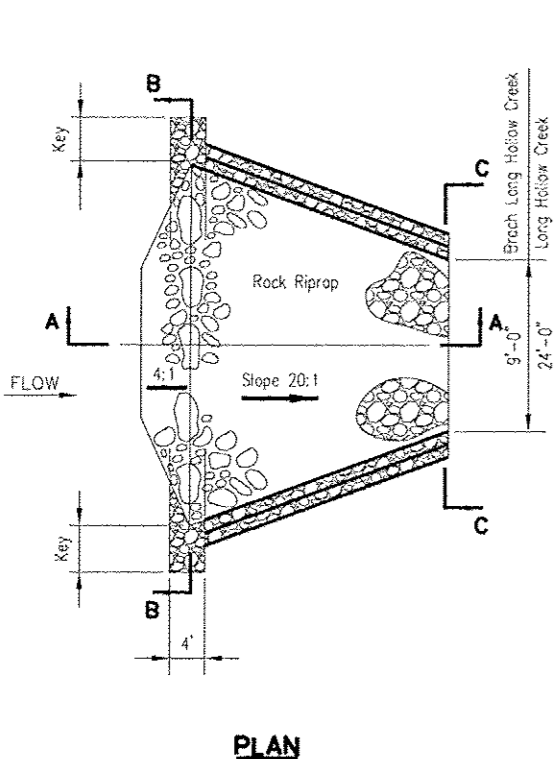


LEGEND

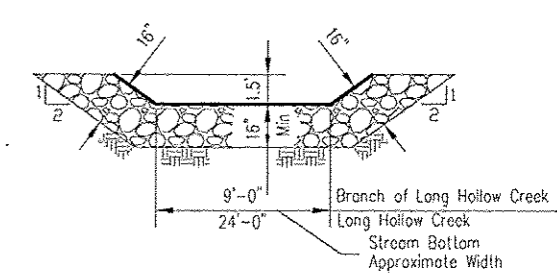
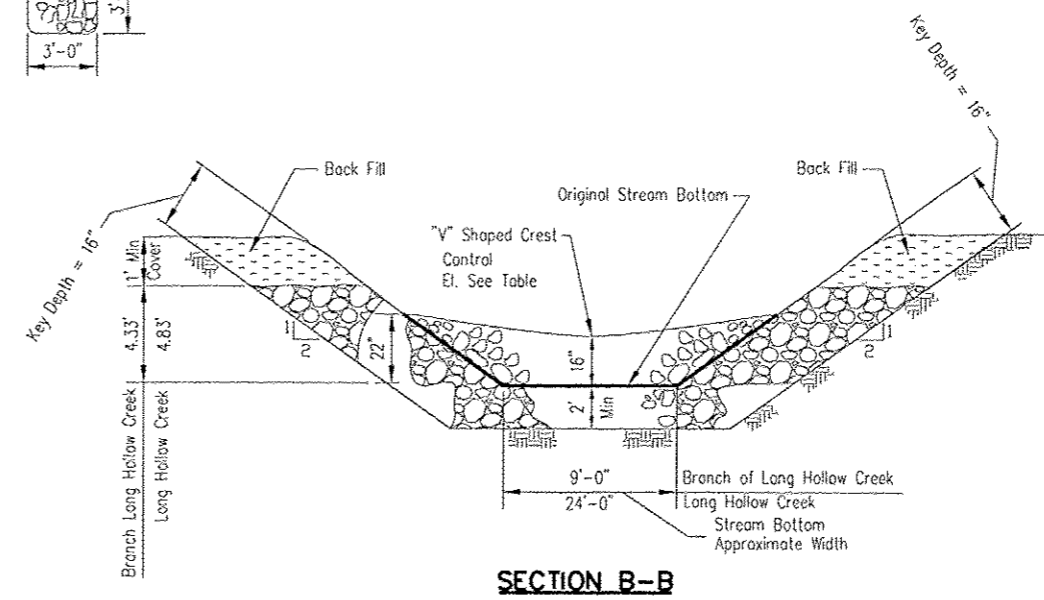
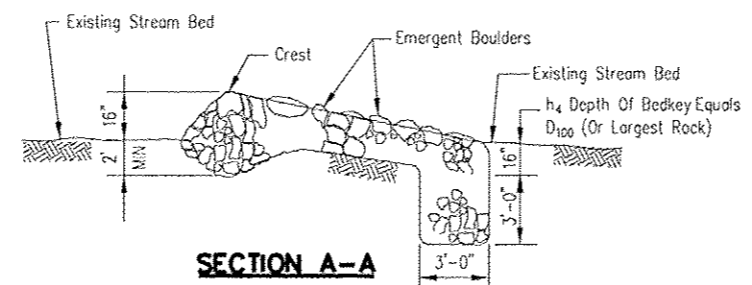
- INLET PROTECTION
- PERIMETER EROSION BARRIER
- DRAINAGE FLOW
- TEMPORARY DITCH CHECK
- TURF REINFORCEMENT MAT OVER SEEDING, CLASS 4
- EROSION CONTROL BLANKET OVER SEEDING, CLASS 2A



DATE	
BY	
REVISION	
PLANNED	
DESIGNED	
CHECKED	
NOTED	
NO. OF SHEETS	
NO. OF THIS SHEET	
PROJECT NAME	
DATE	



Rifle No.	Sta.	Control Elev.
1	14+00	750.20
2	16+00	744.88
3	18+00	742.46
4	102+00	738.39
5	104+00	740.83
6	106+00	742.83



- NOTES:**
1. Rock gradation shall meet IDOT requirement for GRAD. NO. RRS riprap, quality designation "A", or as designated by Engineer.
 2. Use largest individual stones from available material as shown for the emergent boulders and crest stone.



DESIGNED	- J.R.R.	REVISED	-
CHECKED	- G.F.S.	REVISED	-
DRAWN	- D.L.B.	REVISED	-
CHECKED	- G.F.S.	REVISED	-

**JO DAVIESS COUNTY
LONGHOLLOW ROAD BRIDGE REPLACEMENT
2013**

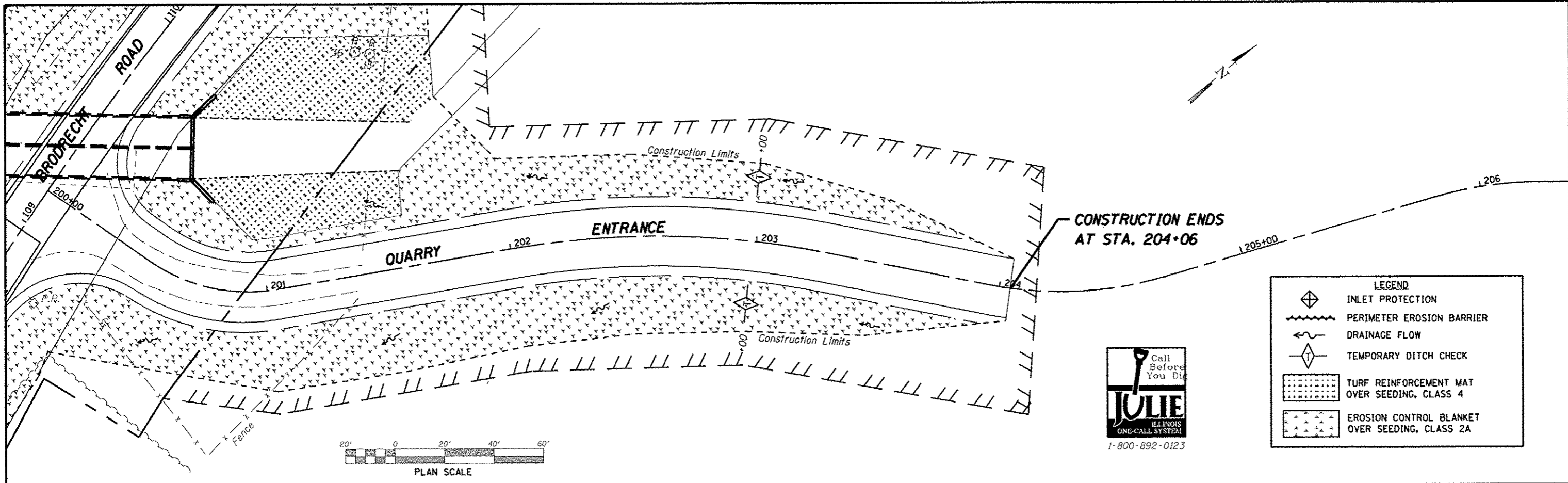
**STORM WATER POLLUTION PREVENTION PLAN
BRODRECHT ROAD**

SCALE: 1" = 20' SHEET NO. 4 OF 6 SHEETS STA. 111+00.00 TO STA. 113+50.00

TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	33
WHA# 1062011		CONTRACT NO. 85595		
ILLINOIS FED. AID PROJECT 6R05-00810561				

DATE	
BY	
DESIGNED	
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FILE: S:\PROJECTS\2011\BRIDGE\Longhollow\DESIGN\LonghollowEntrance.dwg

WILLETT HOFMANN ASSOCIATES INC.
 ENGINEERING ARCHITECTURE LAND SURVEYING
 209 EAST 2ND STREET, DEWEN, IL 61601-0207
 T: 815-234-3181 DESIGN FIRM #124-000218

DESIGNED	- J.R.R.	REVISED	-
CHECKED	- G.F.S.	REVISED	-
DRAWN	- D.L.B.	REVISED	-
CHECKED	- G.F.S.	REVISED	-

**JO DAVIESS COUNTY
 LONGHOLLOW ROAD BRIDGE REPLACEMENT
 2013**

**STORM WATER POLLUTION PREVENTION PLAN
 BRODRECHT ROAD ENTRANCE RT. (STA. 109+18)**
 SCALE: 1" = 20' SHEET NO. 5 OF 6 SHEETS STA. 200+00.00 TO STA. 204+06.00

TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	34
WHA* 1062D11		CONTRACT NO. 85595		
ILLINOISIFIED, AID PROJECT BRDS-0085(056)				

STORM WATER POLLUTION PREVENTION PLAN EROSION CONTROL PLAN

THE FOLLOWING PLAN WAS ESTABLISHED AND INCLUDED IN THESE PLANS TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER NPDES.

THE PURPOSE OF THIS PLAN IS TO MINIMIZE SILTATION WITHIN THE CONSTRUCTION ZONE AND TO ELIMINATE SEDIMENTS FROM ENTERING AND LEAVING THE CONSTRUCTION ZONE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

CERTAIN ITEMS, AS SHOWN IN THIS PLAN AND REFERENCED BY THE LEGEND, SHALL BE PLACED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE PLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION RESULTING FROM THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEATHER CONDITIONS.

THE CONTRACTOR SHALL PLACE PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A REASONABLE AMOUNT OF TIME; THEREFORE, REDUCING THE AMOUNT OF AREA BEING OPEN TO THE POSSIBILITY OF EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING. THE RESIDENT ENGINEER WILL DETERMINE IF TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED, THE PROPER METHOD OF INSTALLATION, AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS SHALL BE ADDED WHICH ARE NOT INCLUDED IN THE PLANS. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN STANDARD 280001 OF THE PLANS.

SITE DESCRIPTION

DESCRIPTION OF CONSTRUCTION ACTIVITY: TOTAL RECONSTRUCTION OF LONGHOLLOW ROAD AND RECONSTRUCTION AND RE-ALIGNMENT OF BRODRECHT ROAD WITH NEW PROPOSED STRUCTURES.

THIS PROJECT CONSISTS OF PAVEMENT REMOVAL, EARTH EXCAVATION, ASPHALT DRIVEWAYS, NEW STRUCTURES, VARIOUS PAVEMENT ITEMS, AND OTHER MISCELLANEOUS ITEMS OF CONSTRUCTION

DESCRIPTION OF INTENDED SEQUENCE OF ACTIVITIES:

THE SEQUENCE OF EVENTS ARE AS FOLLOW: PAVEMENT REMOVAL, EARTH EXCAVATION, PROPOSED STRUCTURE CONSTRUCTION, AGGREGATE BASE, BITUMINOUS SURFACE AND RELATED APPURTENANCES, PLACEMENT OF PERMANENT EROSION CONTROL INCLUDING SEEDING

TOTAL CONSTRUCTION SITE (CONSTRUCTION LIMIT TO CONSTRUCTION LIMIT) 9.05 ACRES
DISTURBED SOIL BY EXCAVATION (SEED AREA) 5.73 ACRES

SUPPORTING REPORTS AND PLANS

THE FOLLOWING ASSISTED IN DEVELOPING THE EROSION CONTROL PLAN AS REFERENCED DOCUMENTS:

USGS DRAINAGE MAPS, PROJECT PLAN DOCUMENTS

DRAINAGE TRIBUTARIES RECEIVING WATER FROM CONSTRUCTION SITE:
LONG HOLLOW CREEK

EROSION CONTROLS AND SEDIMENT CONTROL PROCEDURES
STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION:
SILT FENCE INSTALLATION

STABILIZATION PRACTICES DURING CONSTRUCTION:

- (a) WITHIN THE CONSTRUCTION LIMITS, AREAS WHICH MAY BE SUSCEPTIBLE TO EROSION AS DETERMINED BY THE ENGINEER SHALL REMAIN UNDISTURBED UNTIL FULL SCALE CONSTRUCTION IS UNDERWAY TO PREVENT UNNECESSARY SOIL EROSION.
- (b) EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN FOURTEEN DAYS.
- (c) AS CONSTRUCTION PROCEEDS, THE CONTRACTOR SHALL INSTITUTE THE FOLLOWING AS DIRECTED BY THE ENGINEER:
 - I. PLACE TEMPORARY EROSION CONTROL FACILITIES AT LOCATIONS SHOWN ON THE PLANS.
 - II. TEMPORARILY SEED ERODABLE BARE EARTH ON A WEEKLY BASIS TO MINIMIZE THE AMOUNT OF ERODABLE SURFACE AREA WITHIN THE CONTRACT LIMITS.
- (d) EXCAVATED AREAS AND EMBANKMENT SHALL BE PERMANENTLY SEEDED IMMEDIATELY AFTER FINAL GRADING. IF NOT, THEY SHALL BE TEMPORARILY SEEDED IF NO CONSTRUCTION ACTIVITY IN THE AREA IS PLANNED FOR SEVEN DAYS.
- (e) CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY AT DESIGNED LOCATIONS. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR OTHER POLLUTANT IN ACCORDANCE WITH EPA WATER QUALITY REGULATIONS. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
- (f) THE RESIDENT ENGINEER SHALL INSPECT THE PROJECT DAILY DURING CONSTRUCTION ACTIVITIES. INSPECTION SHALL ALSO BE DONE WEEKLY AND AFTER RAINS OF 1/2 INCH OR GREATER OR EQUIVALENT SNOWFALL AND DURING THE WINTER SHUTDOWN PERIOD. THE PROJECT SHALL ADDITIONALLY BE INSPECTED BY THE CONSTRUCTION FIELD ENGINEER ON A BI-WEEKLY BASIS TO DETERMINE THAT EROSION CONTROL EFFORTS ARE IN PLACE AND EFFECTIVE AND IF OTHER EROSION CONTROL WORK IS NECESSARY.
- (g) SEDIMENT COLLECTED DURING CONSTRUCTION OF THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS AS DIRECTED BY THE ENGINEER. THE COST OF THIS MAINTENANCE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR EARTH EXCAVATION (SPECIAL).
- (h) THE TEMPORARY EROSION CONTROL SYSTEM SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AFTER USE IS NO LONGER NEEDED OR NO LONGER FUNCTIONING. THE COST OF THIS REMOVAL SHALL BE INCLUDED IN THE UNIT BID PRICE FOR VARIOUS TEMPORARY EROSION CONTROL PAY ITEMS.

MAINTENANCE AFTER FINAL GRADING

TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED TURF AREAS SEEDED AND ESTABLISHED WITH THE PROPER STAND.

PLAN	DATE
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BY	
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REVISIONS	
NO.	
DATE	
BY	
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PROF FILE	DATE
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REVISIONS	
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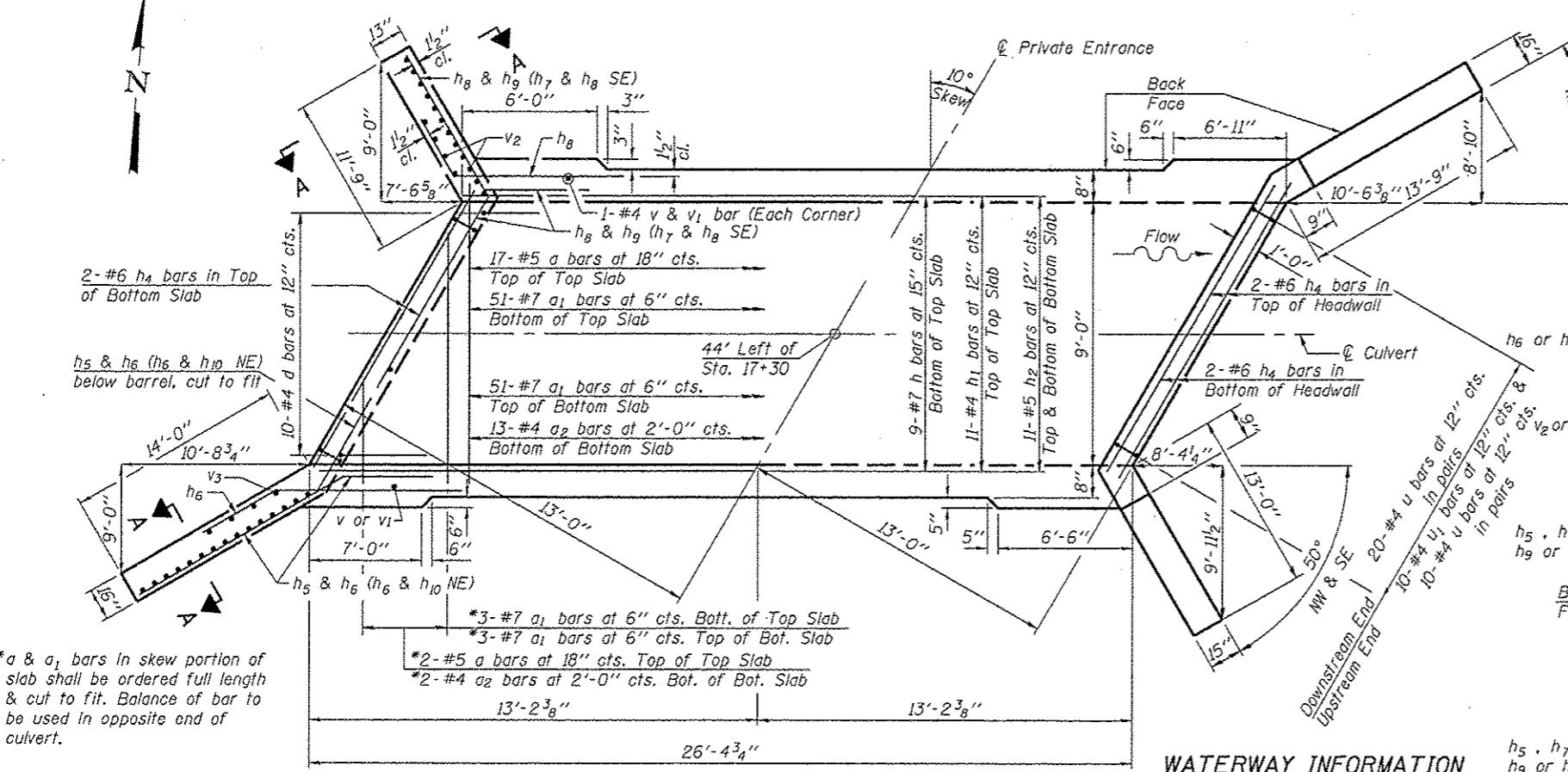
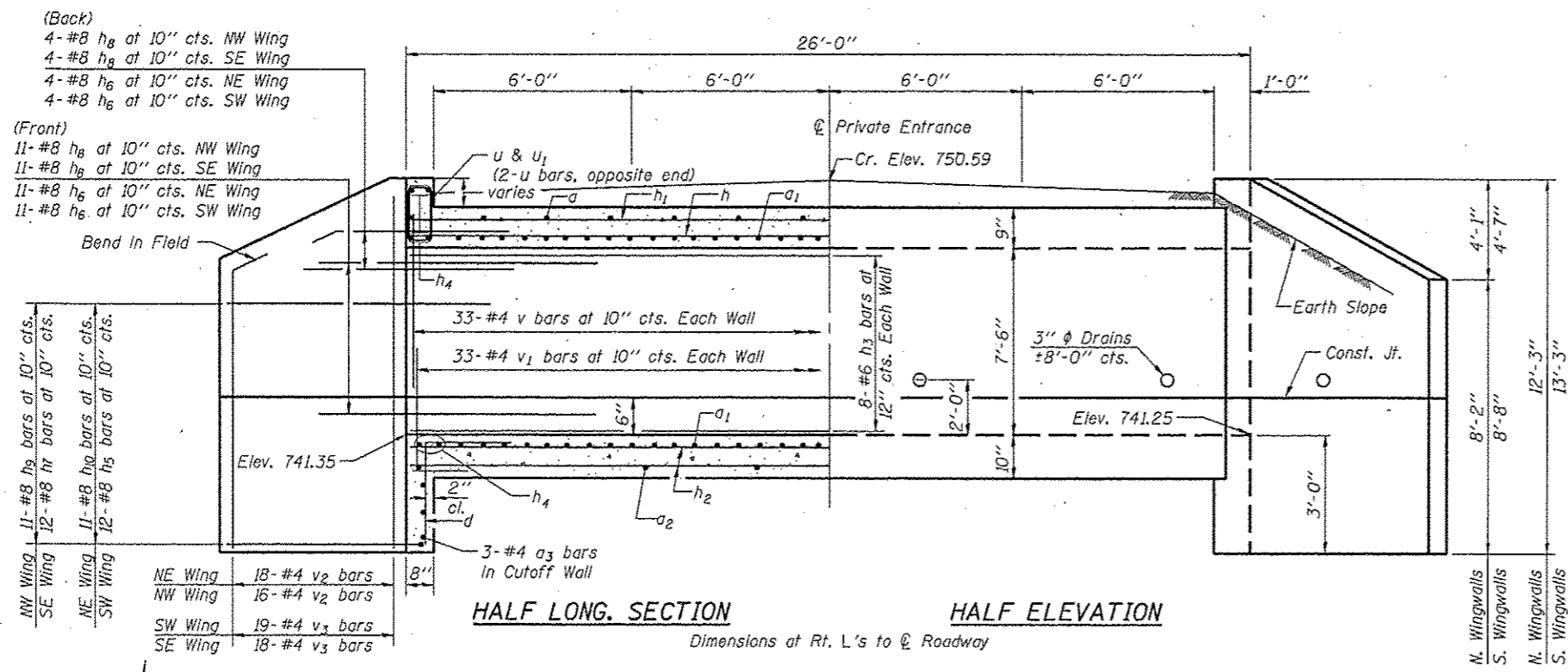
DESIGNED	- J.R.R.	REVISED	-
DRAWN	- D.L.B.	REVISED	-
CHECKED	- C.F.S.	REVISED	-
DATE	- 01/2013	REVISED	-

**JO DAVIESS COUNTY
LONGHOLLOW ROAD OVER LONGHOLLOW
BRIDGE REPLACEMENT**

STORM WATER POLLUTION PREVENTION PLAN
SCALE: 1" = 20'-0" SHEET NO. 6 OF 6 SHEETS STA. 14+00.00 TO STA. 20+00.00

TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	35
WHA# 1062011			CONTRACT NO. 85595	
ILLINOIS FED. AID PROJECT BROS-0085056				

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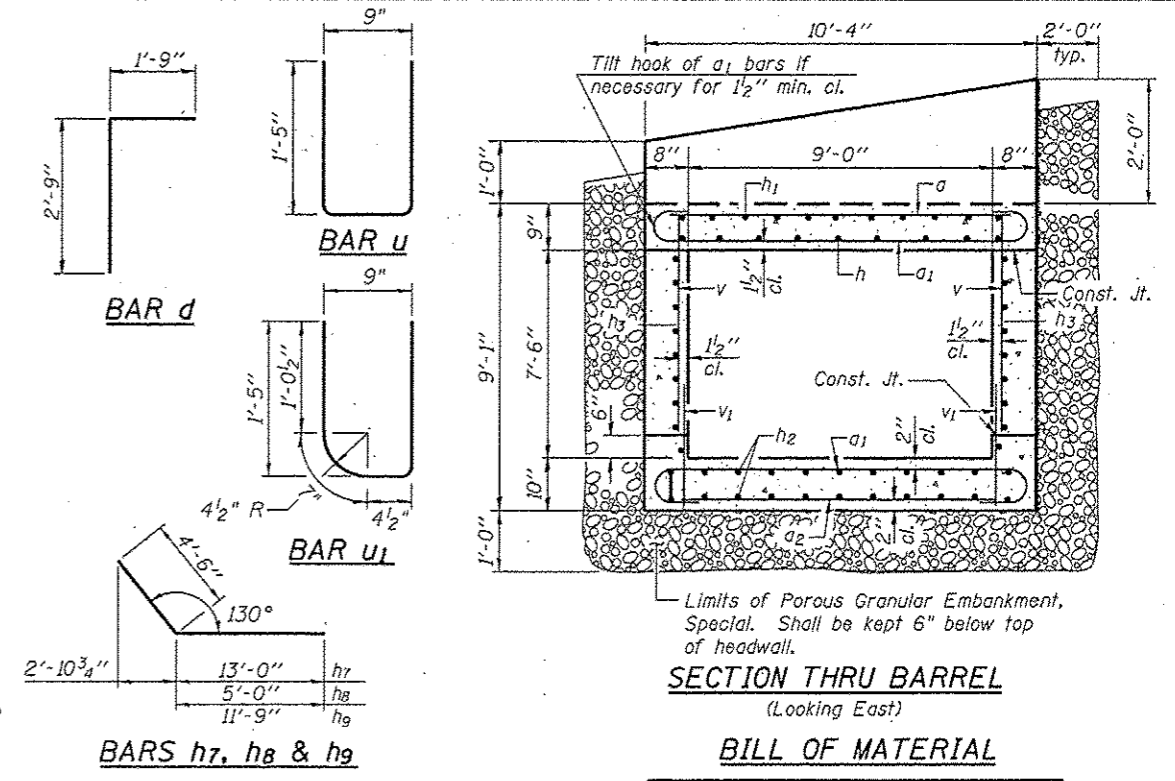
SHOWING REINFORCEMENT **SHOWING OUTLINES**

DESIGN SPECIFICATIONS
2012 AASHTO LRFD Bridge Design Specifications, 6th Edition

DESIGN STRESSES
FIELD UNITS
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)

LOADING HL-93
Allow 50# / sq. ft. for future wearing surface.

WATERWAY INFORMATION
Drainage Area 0.67 Sq. Mi.
Design Discharge (20 Yr.) 620 C.F.S.
Existing Opening 42 Sq. Ft.*
Required Opening 65 Sq. Ft.*
Proposed Opening 65 Sq. Ft.*
Created Head (20 Yr.) 0.33 Ft.
100 Yr. Discharge 1,000 C.F.S.
Created Head (100 Yr.) 0.22 Ft.
High Water Elev. (100 Yr.) 749.24
* Under 20 Yr. H.W.E.



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	19	#5	10'-0"	—
a1	108	#7	11'-8"	—
a2	15	#4	10'-0"	—
a3	6	#4	10'-2"	—
d	20	#4	4'-6"	—
h	9	#7	26'-0"	—
h1	11	#4	26'-0"	—
h2	22	#5	26'-0"	—
h3	16	#6	26'-0"	—
h4	12	#6	10'-2"	—
h5	12	#8	18'-6"	—
h6	30	#8	9'-6"	—
h7	12	#8	17'-6"	—
h8	30	#8	9'-6"	—
h9	11	#8	16'-3"	—
h10	11	#8	18'-3"	—
u	30	#4	3'-7"	—
u1	10	#4	3'-5"	—
v	70	#4	7'-6"	—
v1	70	#4	3'-11"	—
v2	34	#4	11'-11"	—
v3	37	#4	12'-11"	—

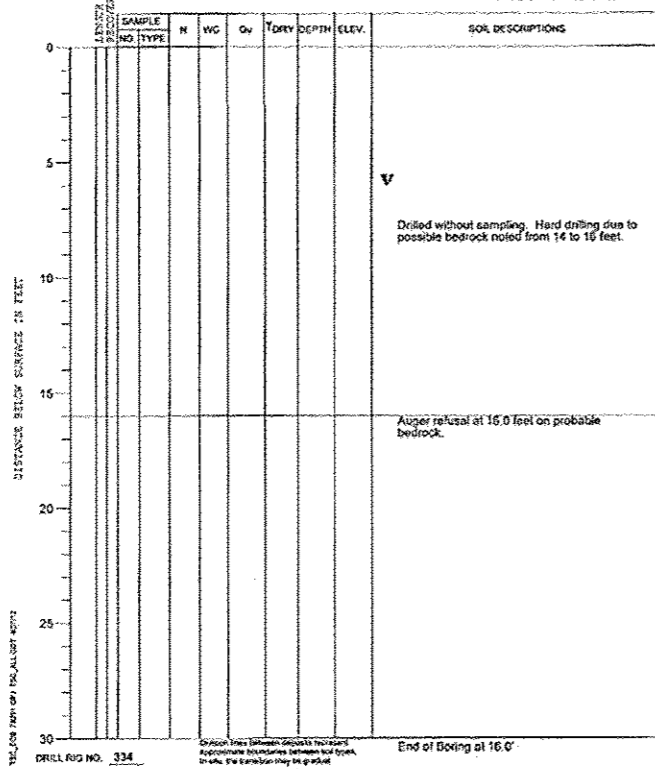
Reinforcement Bars Pound 9,960
Concrete Box Culverts Cu. Yd. 57.2
Porous Granular Embankment, Special Cu. Yd. 59
Temporary Jump Span L. Sum 1

NOTES
** See Special Provisions.
Exposed edges shall be chamfered 3/4" unless noted otherwise.
A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
Required channel excavation & structure excavation shall be considered incidental to Concrete Box Culverts.
PRECAST OPTION NOT ALLOWED.

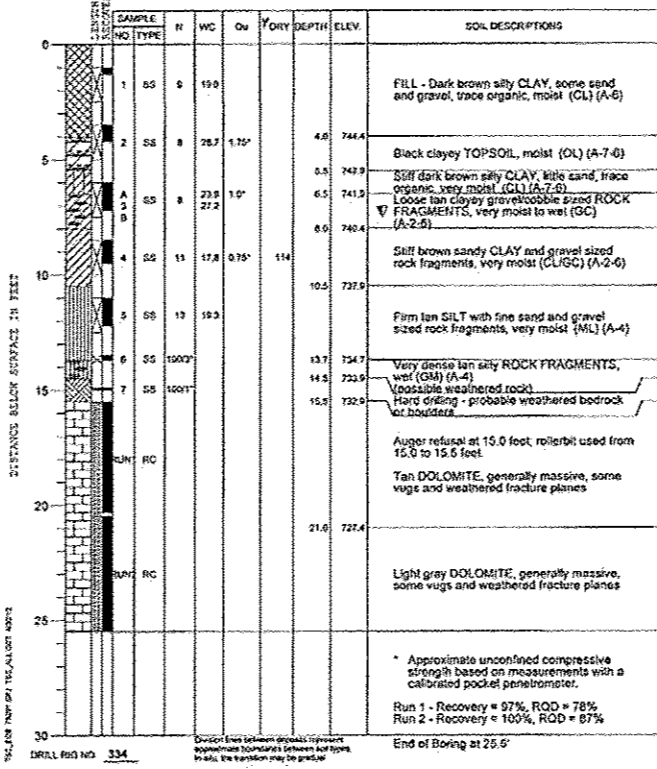
DESIGNER'S SEAL: STATE OF ILLINOIS, BUREAU OF CONSTRUCTION, PROFESSIONAL ENGINEER, BRIAN K. CONNER, DIXON, ILL. 081-005213

DATE: JULY 1, 2013
EXPIRES: 11/30/14

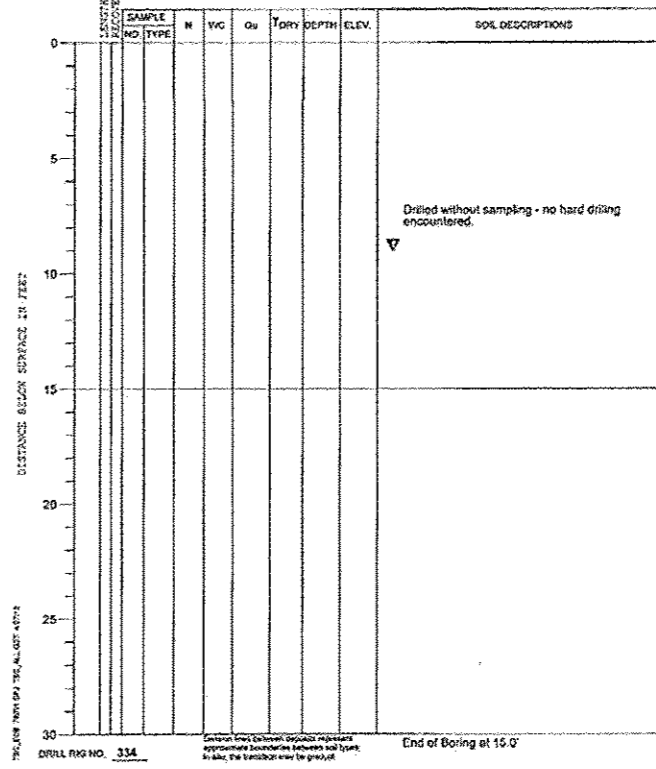
PROJECT 3 Bridge Replacement, Longhollow and Brodrecht Roads, Jo Daviess County, IL
 CLIENT Willett Hofmann and Associates, Dixon, Illinois
 BORING 101 DATE STARTED 4-12-12 DATE COMPLETED 4-12-12 JOB L-78,291
 ELEVATIONS WATER LEVEL OBSERVATIONS
 GROUND SURFACE 748.4 WHILE DRILLING 8.0'
 END OF BORING 732.4 AT END OF BORING 6.0'
 24 HOURS



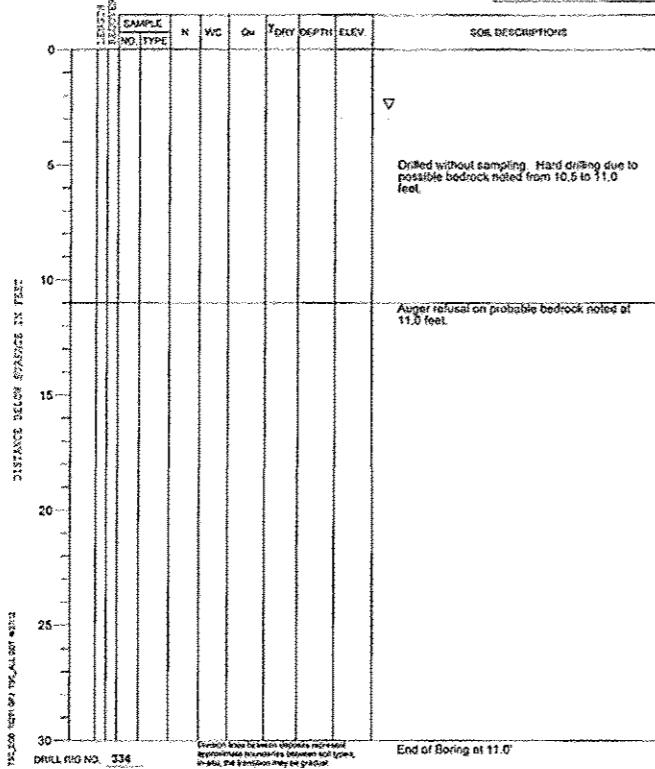
PROJECT 3 Bridge Replacement, Longhollow and Brodrecht Roads, Jo Daviess County, IL
 CLIENT Willett Hofmann and Associates, Dixon, Illinois
 BORING 103 DATE STARTED 4-13-12 DATE COMPLETED 4-13-12 JOB L-78,291
 ELEVATIONS WATER LEVEL OBSERVATIONS
 GROUND SURFACE 748.4 WHILE DRILLING 7.5'
 END OF BORING 722.9 AT END OF BORING N/A - wash boring
 24 HOURS



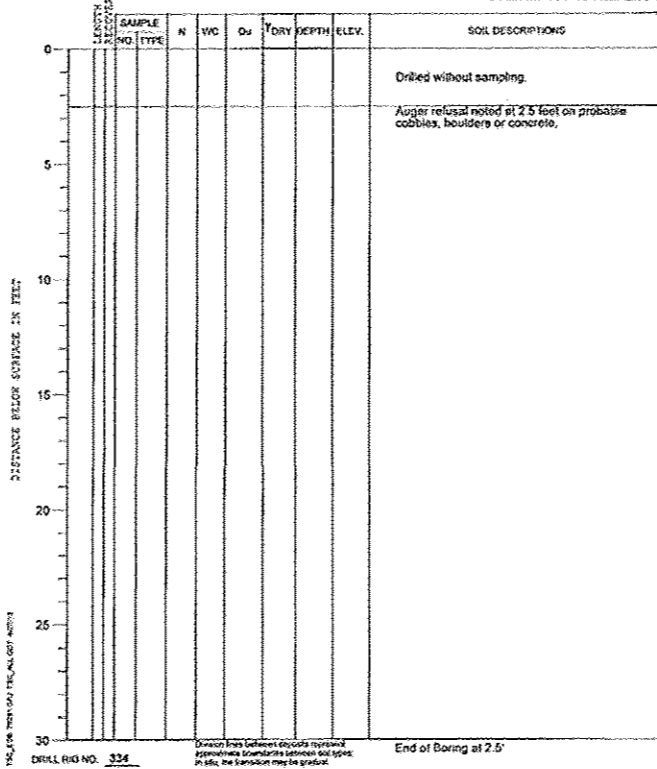
PROJECT 3 Bridge Replacement, Longhollow and Brodrecht Roads, Jo Daviess County, IL
 CLIENT Willett Hofmann and Associates, Dixon, Illinois
 BORING 201 DATE STARTED 4-12-12 DATE COMPLETED 4-12-12 JOB L-78,291
 ELEVATIONS WATER LEVEL OBSERVATIONS
 GROUND SURFACE 744.2 WHILE DRILLING 8.0'
 END OF BORING 729.2 AT END OF BORING 8.0'
 24 HOURS



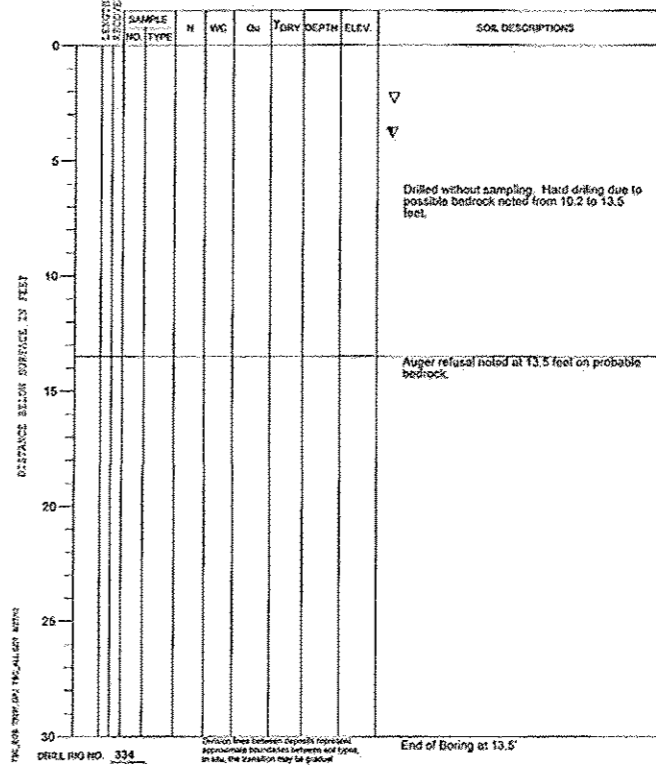
PROJECT 3 Bridge Replacement, Longhollow and Brodrecht Roads, Jo Daviess County, IL
 CLIENT Willett Hofmann and Associates, Dixon, Illinois
 BORING 102 DATE STARTED 4-13-12 DATE COMPLETED 4-13-12 JOB L-78,291
 ELEVATIONS WATER LEVEL OBSERVATIONS
 GROUND SURFACE 745.4 WHILE DRILLING 2.6'
 END OF BORING 734.4 AT END OF BORING 2.6'
 24 HOURS



PROJECT 3 Bridge Replacement, Longhollow and Brodrecht Roads, Jo Daviess County, IL
 CLIENT Willett Hofmann and Associates, Dixon, Illinois
 BORING 104 DATE STARTED 4-12-12 DATE COMPLETED 4-12-12 JOB L-78,291
 ELEVATIONS WATER LEVEL OBSERVATIONS
 GROUND SURFACE 748.4 WHILE DRILLING Dry
 END OF BORING 745.9 AT END OF BORING Dry
 24 HOURS



PROJECT 3 Bridge Replacement, Longhollow and Brodrecht Roads, Jo Daviess County, IL
 CLIENT Willett Hofmann and Associates, Dixon, Illinois
 BORING 202 DATE STARTED 4-12-12 DATE COMPLETED 4-12-12 JOB L-78,291
 ELEVATIONS WATER LEVEL OBSERVATIONS
 GROUND SURFACE 748.7 WHILE DRILLING 4.0'
 END OF BORING 735.2 AT END OF BORING 2.6'
 24 HOURS



Refer to Sht. 17
for Boring Locations



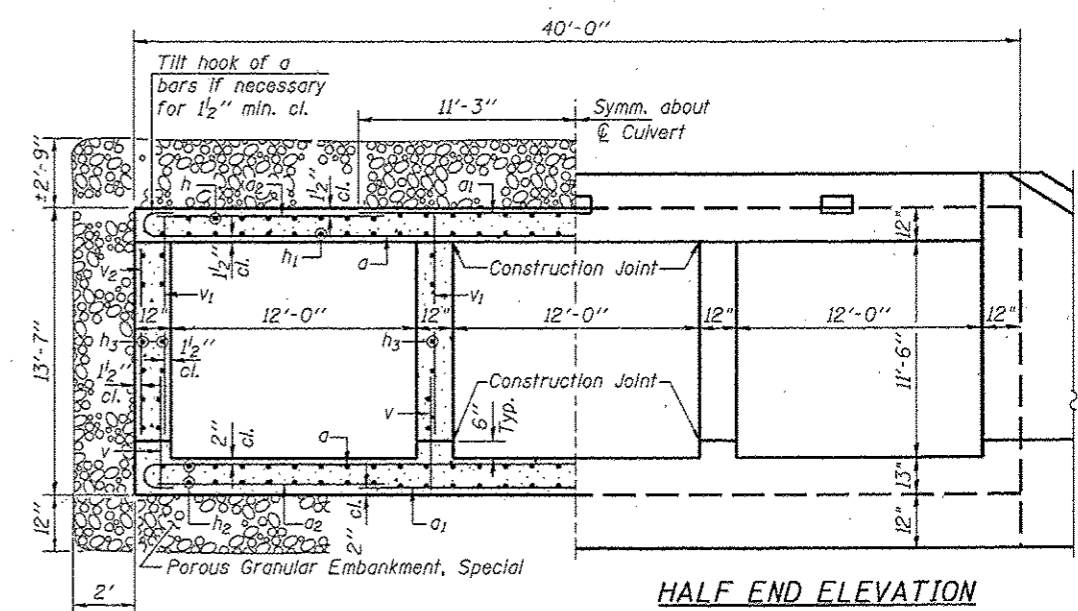
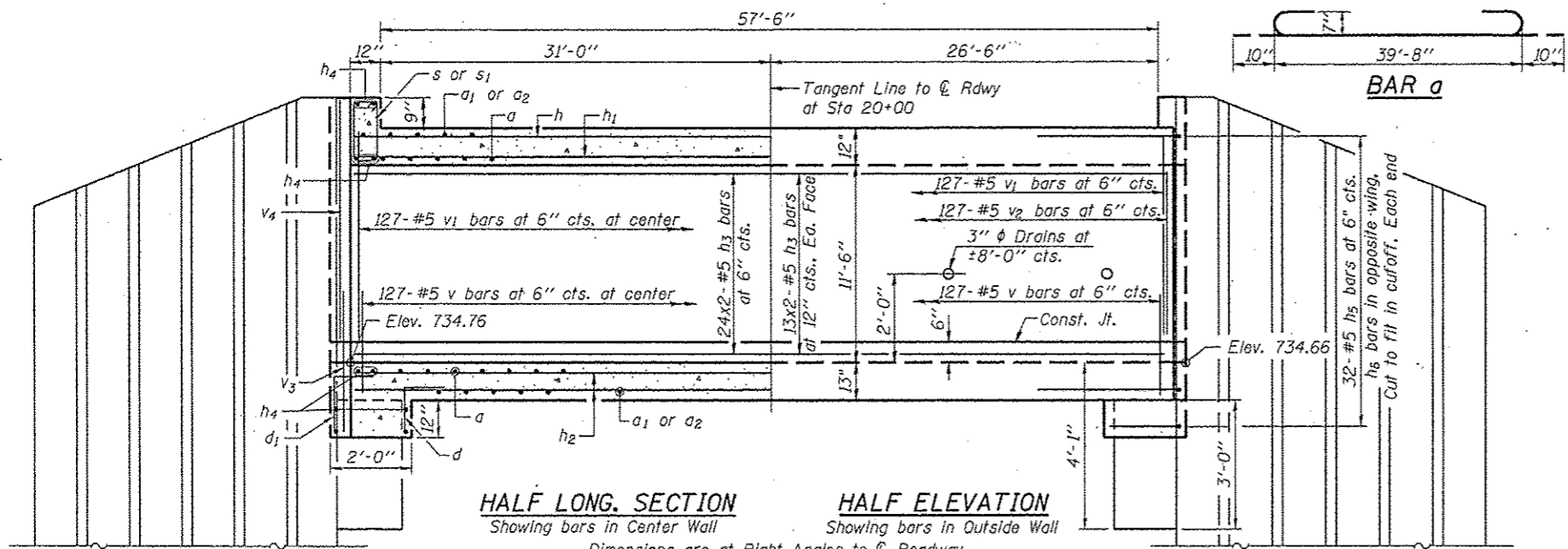
DESIGNED - BKC
 CHECKED - MAC
 DRAWN - FDL
 CHECKED - BKC

REVISED -
 REVISED -
 REVISED -
 REVISED -

JO DAVIESS COUNTY
 LONGHOLLOW ROAD BRIDGE REPLACEMENT
 2013

SOIL BORING LOGS
 SINGLE BARREL (9'-0" x 7'-6") CULVERT - STA. 17+30
 SHEET NO. 2 OF 7 SHEETS

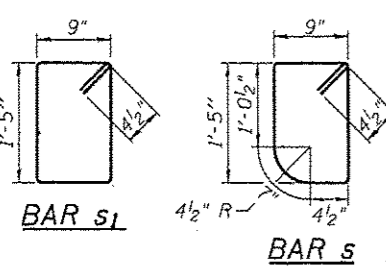
TWP. R1E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	37
	WHA# 1062011		CONTRACT NO. 85595	
ILLINOIS FED. AID PROJECT BR05-0085056				



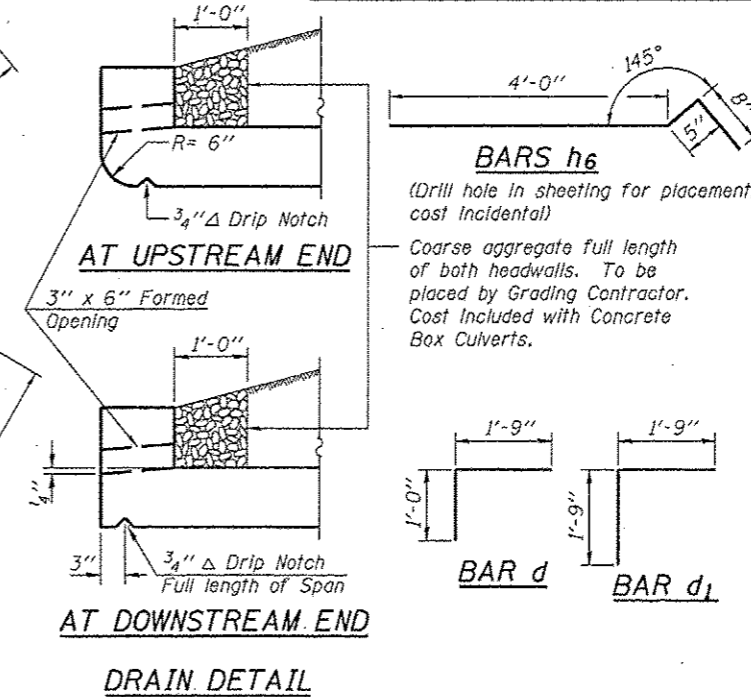
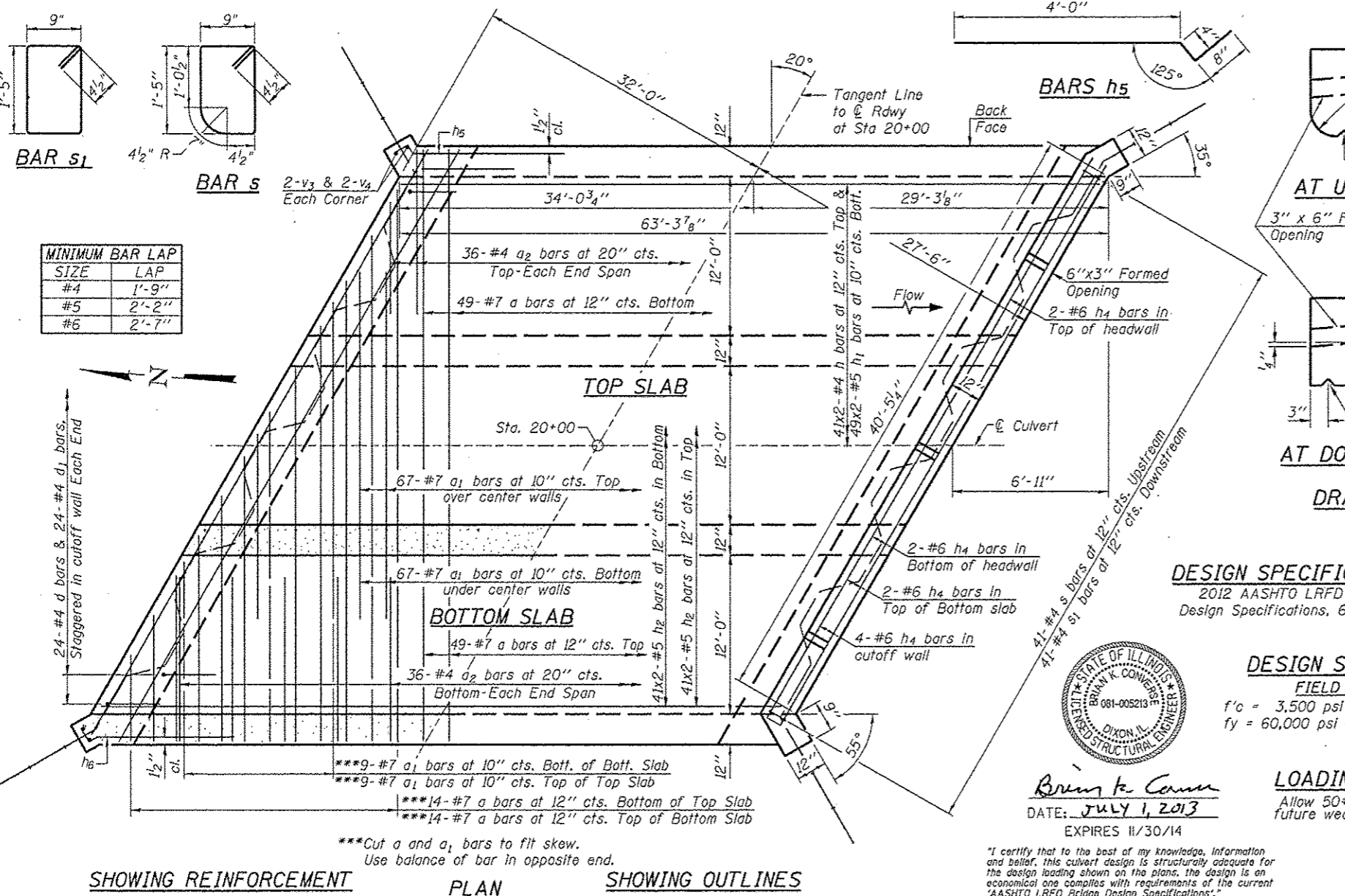
HALF SECTION THRU BARRELS

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	126	#7	41'-4"	C
a1	152	#7	22'-6"	—
a2	144	#4	10'-5"	—
d	48	#4	2'-9"	—
d1	48	#4	3'-6"	—
h	82	#4	32'-4"	—
h1	98	#5	32'-7"	—
h2	164	#5	32'-7"	—
h3	200	#5	32'-7"	—
h4	20	#6	42'-3"	—
h5	64	#5	5'-0"	—
h6	64	#5	5'-1"	—
s	41	#4	4'-11"	—
s1	41	#4	5'-1"	—
v	508	#5	3'-11"	—
v1	508	#5	11'-9"	—
v2	254	#5	10'-9"	—
v3	8	#7	4'-11"	—
v4	8	#7	12'-6"	—
Removal of Existing Structures	Each		1	
Stud Shear Connectors	Each		112	
Reinforcement Bars	Pound		49,960	
Name Plates	Each		1	
Concrete Box Culverts	Cu. Yd.		312.6	
Porous Granular Embankment, Special	Cu. Yd.		447	
Permanent Steel Sheet Piling	Sq. Ft.		2,556	



SIZE	LAP
#4	1'-9"
#5	2'-2"
#6	2'-7"



DESIGN SPECIFICATIONS
2012 AASHTO LRFD Bridge Design Specifications, 6th Edition

DESIGN STRESSES
FIELD UNITS
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)

LOADING HL-93
Allow 50#/sq. ft. for future wearing surface.

NAME PLATE LETTERING
See Sta. 515001-03

WATERWAY INFORMATION
Drainage Area 3.72 Sq. Mi.
Design Discharge (20 Yr.) 1,750 C.F.S.
Existing Opening 235 Sq. Ft.*
Required Opening 350 Sq. Ft.*
Proposed Opening 350 Sq. Ft.*
Created Head (20 Yr.) 0.00 Ft.
100 Yr. Discharge 2,740 C.F.S.
Created Head (100 Yr.) 0.38 Ft.
High Water Elev. (100 Yr.) 746.21
* Under 20 Yr. H.W.E.

NOTES:
*See Special Provisions.
**PZ 27 = 729 sq. ft.
PS 27.5 = 1,426 sq. ft.
All exposed edges shall be chamfered 3/4" unless otherwise noted.
Required channel excavation & structure excavation shall be considered incidental to concrete box culvert.
Bars indicated thus 49x2-#5 etc. indicates 49 lines of bars with 2 lengths per line.
PRECAST OPTION NOT ALLOWED.

Bring to Camm
DATE: JULY 1, 2013
EXPIRES 11/30/14

"I certify that to the best of my knowledge, information and belief, this culvert design is structurally adequate for the design loading shown on the plans; the design is an economical one compatible with requirements of the current 'AASHTO LRFD Bridge Design Specifications'."

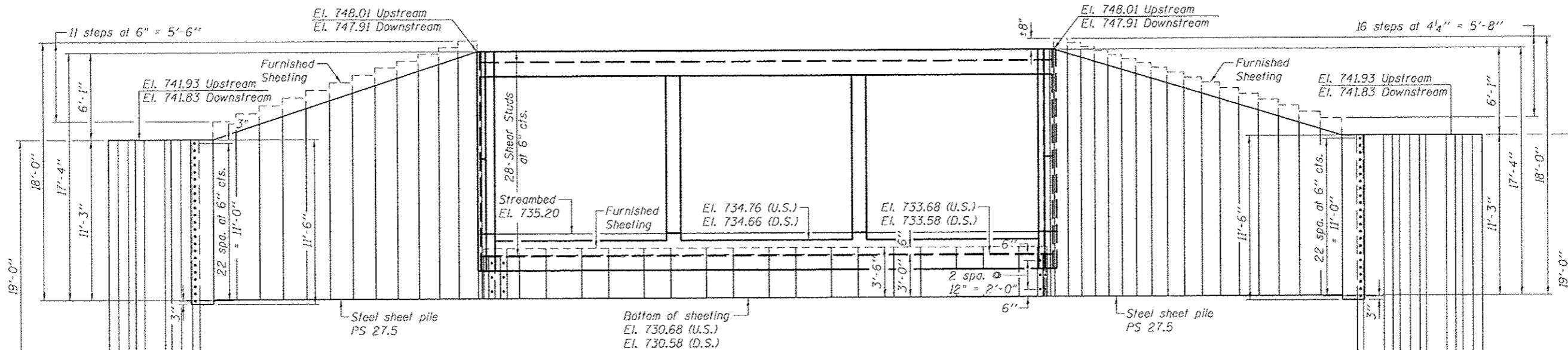
WILLETT HOFMANN ASSOCIATES INC.
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0307
T. 815-284-3381 DESIGN FIRM #164-000918

DESIGNED -	REVISOR -
BKC	
MAC	
FOL	
BKC	

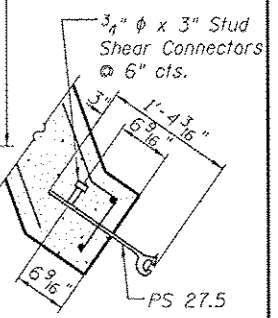
JO DAVIESS COUNTY
LONGHOLLOW ROAD BRIDGE REPLACEMENT
2013

TRIPLE BARREL (12'-0" x 11'-6") CULVERT SHEET
STA. 20+00

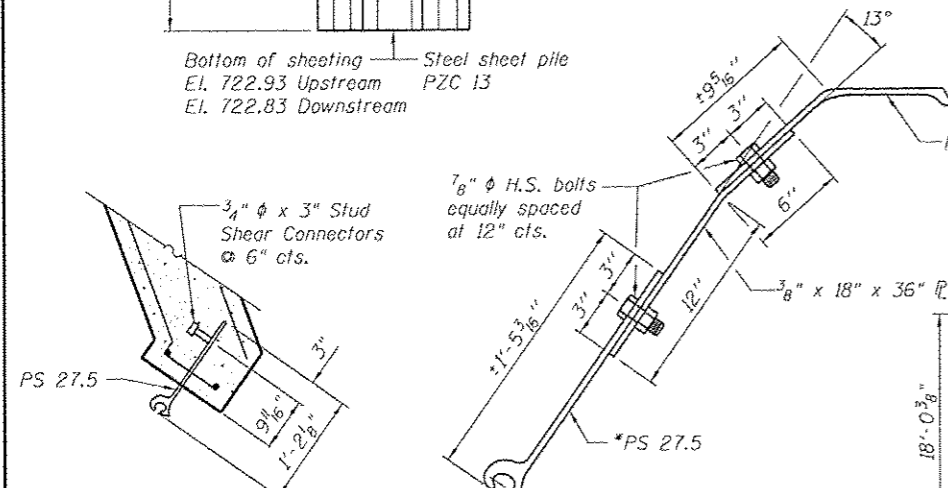
TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	38
WHA# 1062D11			CONTRACT NO. 85595	



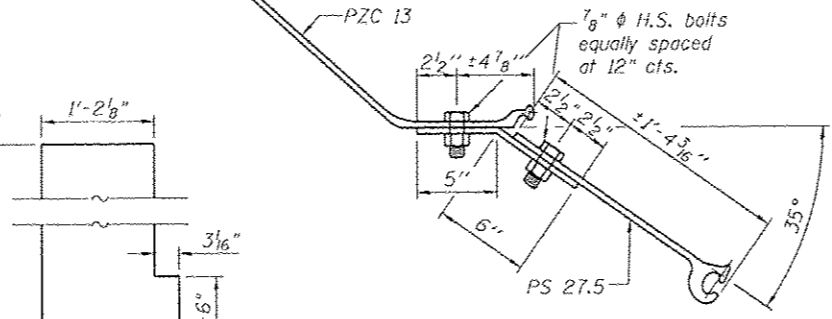
ELEVATION VIEW AT WINGWALLS



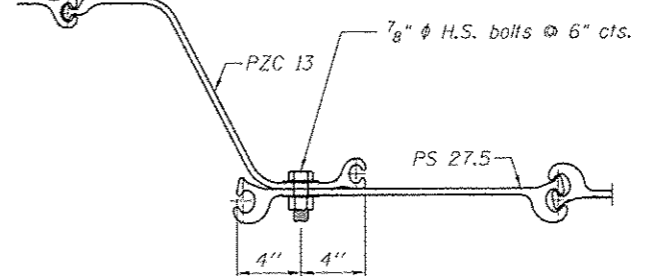
CORNER DETAIL "B"
(Above cut-off wall location)



CORNER DETAIL "A"
(At cut-off wall location)

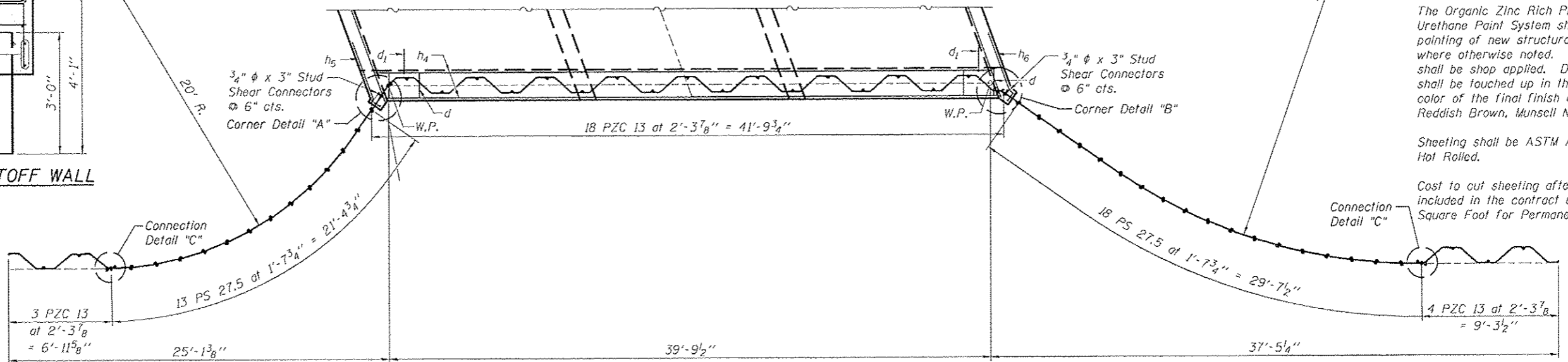


CORNER DETAIL "B"
(At cut-off wall location)

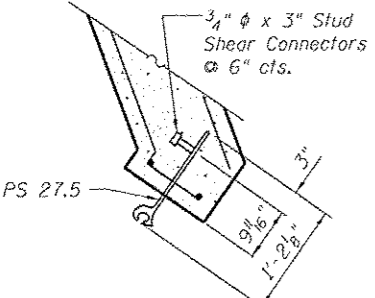


CONNECTION DETAIL "C" AT END OF WINGS

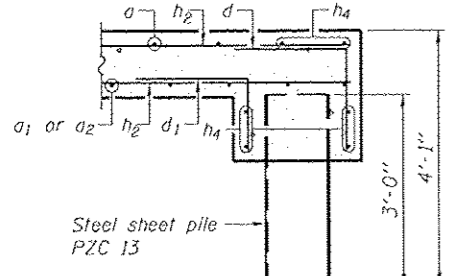
*PS 27.5 SHEET DETAIL



PLAN VIEW



CORNER DETAIL "A"
(Above cut-off wall location)



SECTION THRU CUTOFF WALL

NOTES

- Contractor shall burn hole in sheeting for h₅ & h₆ bar placement. Cost incidental to Reinforcement Bars.
- The Contractor shall be paid for furnished sheeting as shown and Contractor shall drive the sheeting an extra 6" if top is not damaged, as directed by the Engineer.
- Contractor shall shop prime and paint all sheeting and plates and only touch-up painting shall be performed in the field.
- The Organic Zinc Rich Primer/Epoxy/Urethane Paint System shall be used for painting of new structural sheet except where otherwise noted. The entire system shall be shop applied. Damaged areas shall be touched up in the field. The color of the final finish coat shall be Reddish Brown, Munsell No. 2.5YR 3/4.
- Sheeting shall be ASTM A572 Grade 50 Hot Rolled.
- Cost to cut sheeting after driving shall be included in the contract unit price per Square Foot for Permanent Steel Sheet Piling.

FILE: S:\PROJECTS\2011\062011_LonghollowRoad\Drawings\1062011_TTB-1_Culv_Sht_Pile.dgn

WILLET HOFMANN
ASSOCIATES INC.
PROFESSIONAL ARCHITECTS AND ENGINEERS
809 EAST 2ND STREET, DEERFIELD, IL 60015-5067
708.415.2343 FAX 708.415.4000

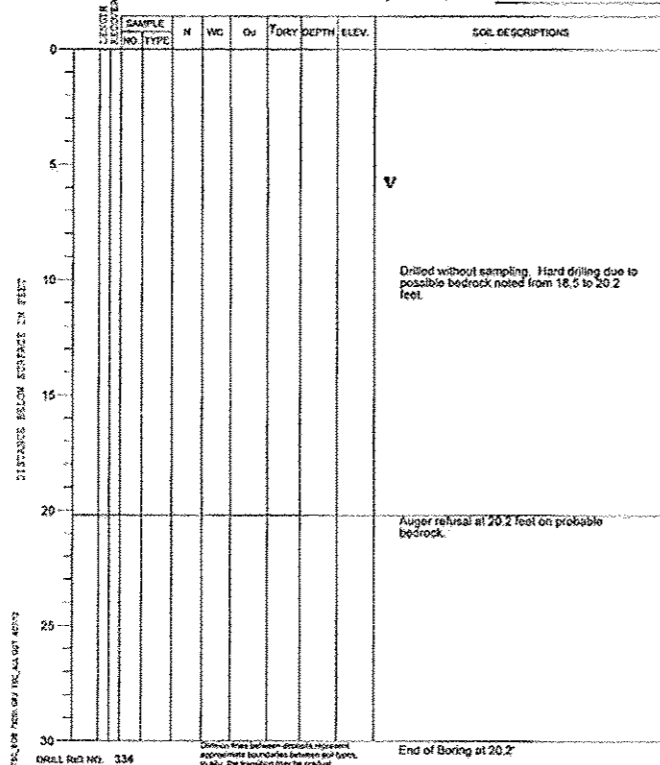
DESIGNED - BKC	REVISED -
CHECKED - MAC	REVISED -
DRAWN - FDL	REVISED -
CHECKED - BKC	REVISED -

JO DAVIESS COUNTY
LONGHOLLOW ROAD BRIDGE REPLACEMENT
2013

TRIPLE BARREL (12' x 11'-6") CULVERT STEEL SHEET PILING DETAIL SHEET
STA. 20 + 00
SHEET NO. 4 OF 7 SHEETS

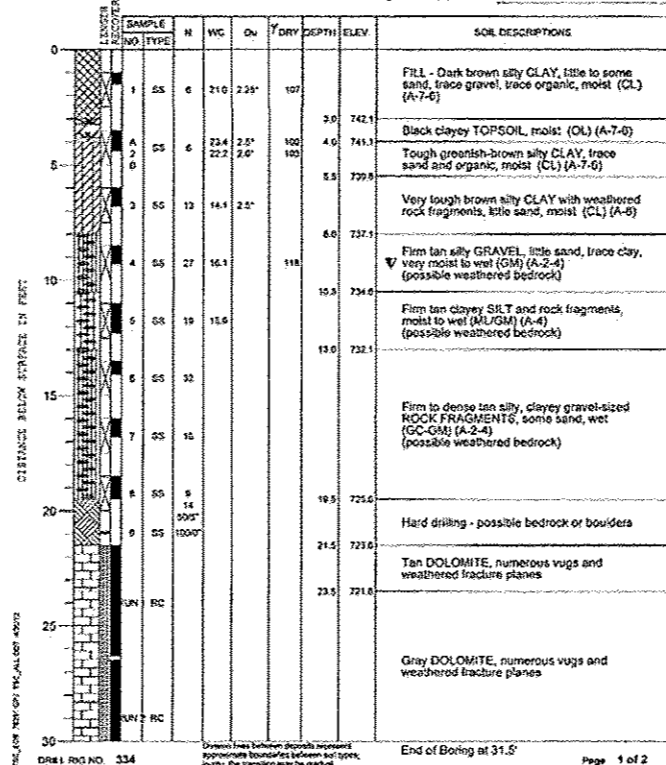
TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	39
WHA* 1062011		CONTRACT NO. 85595		
ILLINOIS FED. AID PROJECT BR05-00850561				

PROJECT 3 Bridge Replacement, Longhollow and Brodrecht Roads, Jo Daviess County, IL
 CLIENT Willett Hofmann and Associates, Dixon, Illinois
 BORING 1 DATE STARTED 4-12-12 DATE COMPLETED 4-12-12 JOB L-78,291
 ELEVATIONS WATER LEVEL OBSERVATIONS
 GROUND SURFACE 743.2 WHILE DRILLING 6.0'
 END OF BORING 723.0 AT END OF BORING 6.0'
 24 HOURS



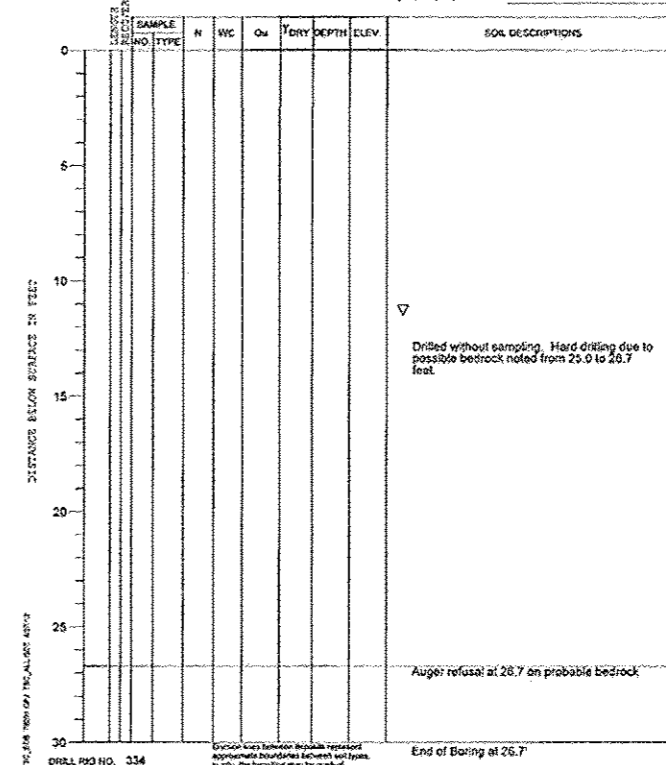
DRILL LOG NO. 334
 End of Boring at 20.2'

PROJECT 3 Bridge Replacement, Longhollow and Brodrecht Roads, Jo Daviess County, IL
 CLIENT Willett Hofmann and Associates, Dixon, Illinois
 BORING 3 DATE STARTED 4-16-12 DATE COMPLETED 4-23-12 JOB L-78,291
 ELEVATIONS WATER LEVEL OBSERVATIONS
 GROUND SURFACE 745.1 WHILE DRILLING 8.5'
 END OF BORING 713.6 AT END OF BORING N/A - wash boring
 24 HOURS



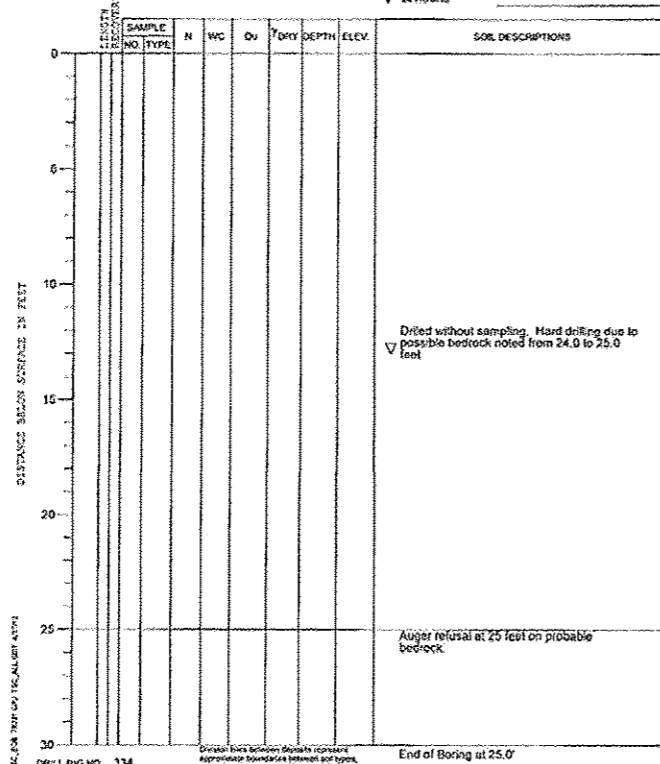
DRILL LOG NO. 334
 End of Boring at 31.5'

PROJECT 3 Bridge Replacement, Longhollow and Brodrecht Roads, Jo Daviess County, IL
 CLIENT Willett Hofmann and Associates, Dixon, Illinois
 BORING 4 DATE STARTED 4-16-12 DATE COMPLETED 4-16-12 JOB L-78,291
 ELEVATIONS WATER LEVEL OBSERVATIONS
 GROUND SURFACE 747.5 WHILE DRILLING 11.5'
 END OF BORING 720.9 AT END OF BORING 11.5'
 24 HOURS



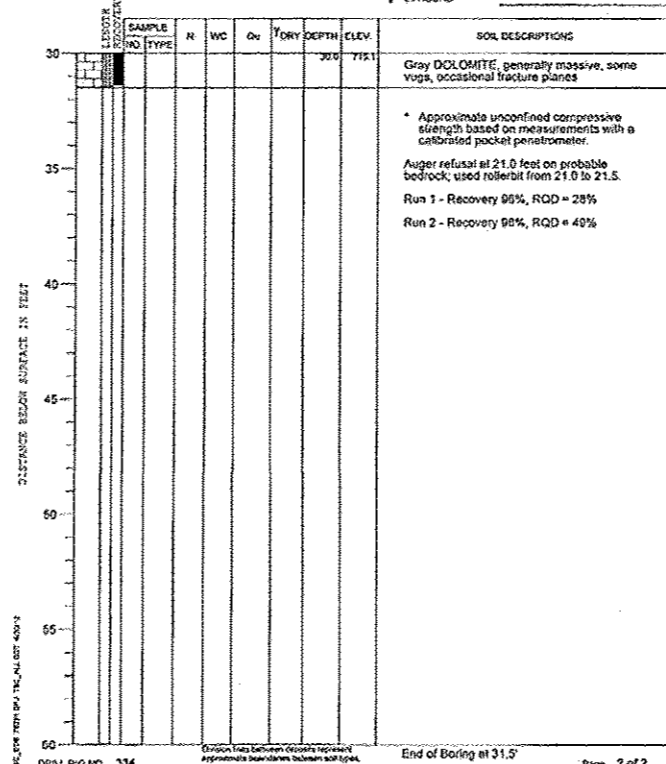
DRILL LOG NO. 334
 End of Boring at 26.7'

PROJECT 3 Bridge Replacement, Longhollow and Brodrecht Roads, Jo Daviess County, IL
 CLIENT Willett Hofmann and Associates, Dixon, Illinois
 BORING 2 DATE STARTED 4-13-12 DATE COMPLETED 4-13-12 JOB L-78,291
 ELEVATIONS WATER LEVEL OBSERVATIONS
 GROUND SURFACE 748.8 WHILE DRILLING 13.0'
 END OF BORING 723.8 AT END OF BORING 13.0'
 24 HOURS



DRILL LOG NO. 334
 End of Boring at 25.0'

PROJECT 3 Bridge Replacement, Longhollow and Brodrecht Roads, Jo Daviess County, IL
 CLIENT Willett Hofmann and Associates, Dixon, Illinois
 BORING 3 DATE STARTED 4-16-12 DATE COMPLETED 4-23-12 JOB L-78,291
 ELEVATIONS WATER LEVEL OBSERVATIONS
 GROUND SURFACE 745.1 WHILE DRILLING 8.5'
 END OF BORING 713.6 AT END OF BORING N/A - wash boring
 24 HOURS



DRILL LOG NO. 334
 End of Boring at 31.5'

Refer to Sht. 18 for Boring Locations

FILE - S:\PROJECTS\2011\1862011 - Jo Daviess - Longhollow DESIGN DRAWINGS\1862011 - Boring - Sheet.dgn

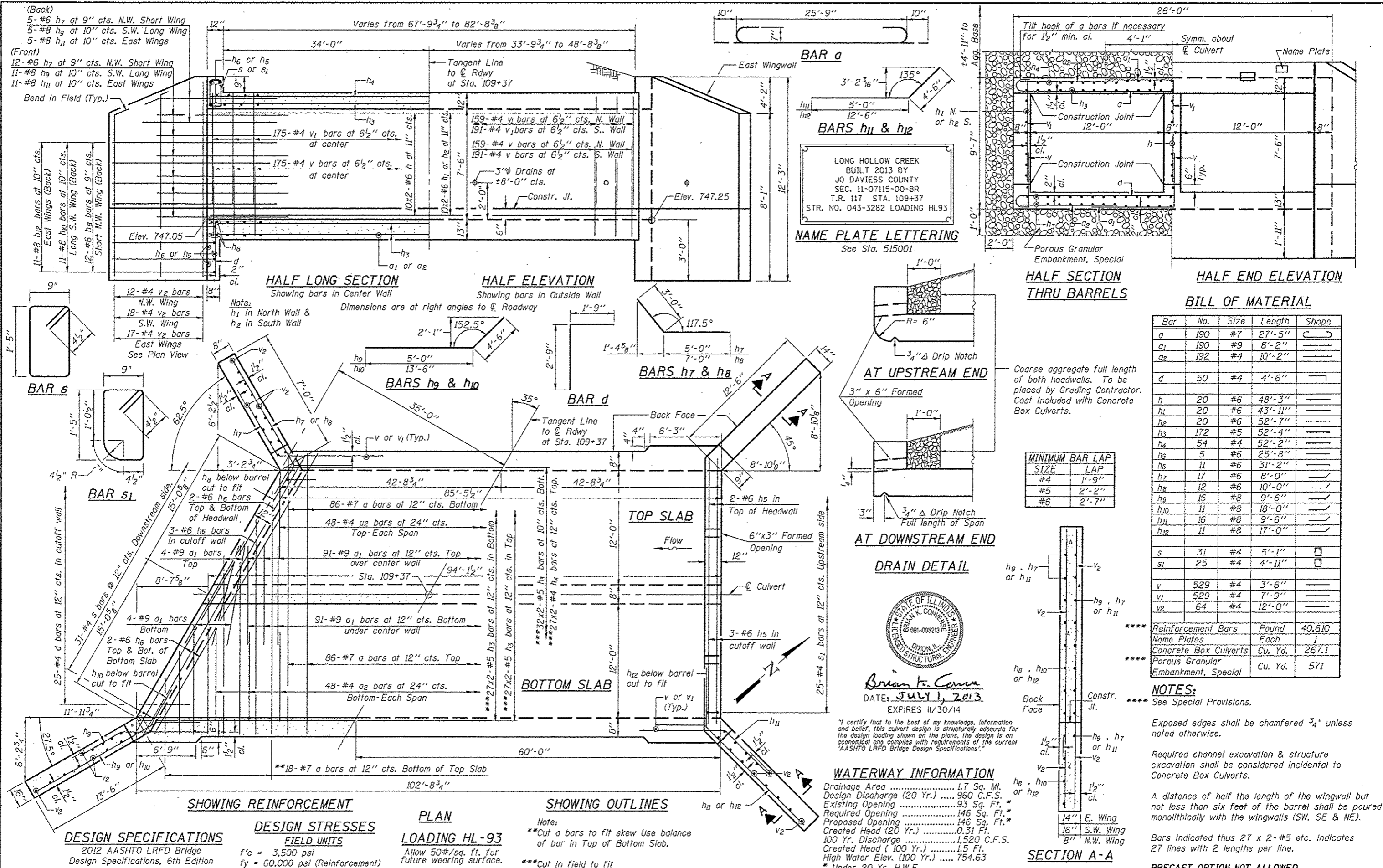


DESIGNED - BKC	REVISED -
CHECKED - MAC	REVISED -
DRAWN - FDL	REVISED -
CHECKED - BKC	REVISED -

JO DAVIESS COUNTY
 LONGHOLLOW ROAD BRIDGE REPLACEMENT
 2013

SOIL BORING LOGS
 TRIPLE BARREL (12'-0" x 11'-6") CULVERT - STA. 20+00
 SHEET NO. 5 OF 7 SHEETS

TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	40
WHA* 1062011		CONTRACT NO. 85595		
ILLINOIS FED. AID PROJECT BROS-00850561				



(Back)
 5-#6 h₇ at 9" cts. N.W. Short Wing
 5-#8 h₉ at 10" cts. S.W. Long Wing
 5-#8 h₁₁ at 10" cts. East Wings

(Front)
 12-#6 h₇ at 9" cts. N.W. Short Wing
 11-#8 h₉ at 10" cts. S.W. Long Wing
 11-#8 h₁₁ at 10" cts. East Wings

LONG HOLLOW CREEK
 BUILT 2013 BY
 JO DAVIESS COUNTY
 SEC. 11-07115-00-BR
 T.R. 117 STA. 109+37
 STR. NO. 043-3282 LOADING HL93

NAME PLATE LETTERING
 See Sta. 515001

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	190	#7	27'-5"	C
a ₁	190	#9	8'-2"	—
a ₂	192	#4	10'-2"	—
d	50	#4	4'-6"	—
h	20	#6	48'-3"	—
h ₁	20	#6	43'-11"	—
h ₂	20	#6	52'-7"	—
h ₃	172	#5	52'-4"	—
h ₄	54	#4	52'-2"	—
h ₅	5	#6	25'-8"	—
h ₆	11	#6	31'-2"	—
h ₇	17	#6	8'-0"	—
h ₈	12	#6	10'-0"	—
h ₉	16	#8	9'-6"	—
h ₁₀	11	#8	18'-0"	—
h ₁₁	16	#8	9'-6"	—
h ₁₂	11	#8	17'-0"	—
s	31	#4	5'-1"	—
s ₁	25	#4	4'-11"	—
v	529	#4	3'-6"	—
v ₁	529	#4	7'-9"	—
v ₂	64	#4	12'-0"	—

**** Reinforcement Bars	Pound	40,610
Name Plates	Each	1
Concrete Box Culverts	Cu. Yd.	267.1
Porous Granular Embankment, Special	Cu. Yd.	571

NOTES:
 **** See Special Provisions.

Exposed edges shall be chamfered 3/4" unless noted otherwise.

Required channel excavation & structure excavation shall be considered incidental to Concrete Box Culverts.

A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls (SW, SE & NE).

Bars indicated thus 27 x 2-#5 etc. Indicates 27 lines with 2 lengths per line.

PRECAST OPTION NOT ALLOWED.



Brian K. Conner
 DATE: JULY 1, 2013
 EXPIRES 11/30/14

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

WATERWAY INFORMATION

Drainage Area	.....	1.7 Sq. Mi.
Design Discharge (20 Yr.)	.....	960 C.F.S.
Existing Opening	.....	93 Sq. Ft.
Required Opening	.....	146 Sq. Ft.
Proposed Opening	.....	146 Sq. Ft.
Created Head (20 Yr.)	.....	0.31 Ft.
100 Yr. Discharge	.....	1,520 C.F.S.
Created Head (100 Yr.)	.....	1.5 Ft.
High Water Elev. (100 Yr.)	.....	754.63
* Under 20 Yr. H.W.E.		

DESIGN SPECIFICATIONS
 2012 AASHTO LRFD Bridge Design Specifications, 6th Edition

DESIGN STRESSES
 FIELD UNITS
 f'c = 3,500 psi
 fy = 60,000 psi (Reinforcement)

LOADING HL-93
 Allow 50#/sq. ft. for future wearing surface.

Note:
 ***Cut a bars to fit skew Use balance of bar in Top of Bottom Slab.
 ***Cut in field to fit



DESIGNED - BKC	REVISED -
CHECKED - MAC	REVISED -
DRAWN - FDL	REVISED -
CHECKED - BKC	REVISED -

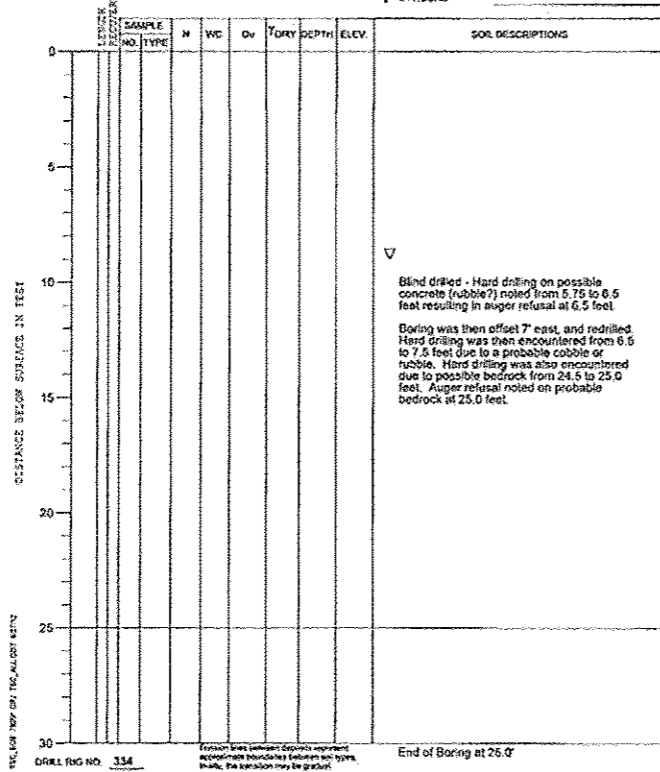
JO DAVIESS COUNTY
LONGHOLLOW ROAD BRIDGE REPLACEMENT
 2013

DOUBLE BARREL (12'-0" x 7'-6") CULVERT SHEET
 STA. 109+37
 SHEET NO. 6 OF 7 SHEETS

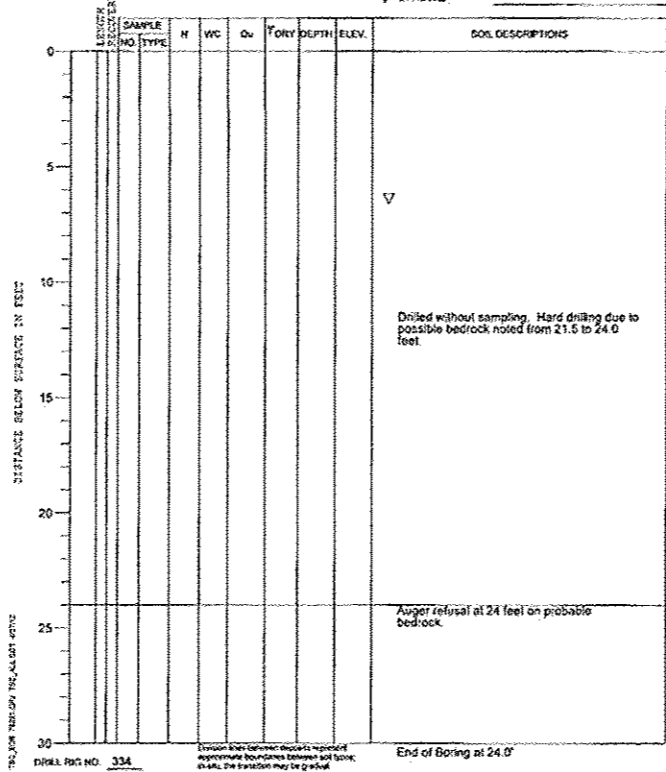
TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	41
WHA* 1062011			CONTRACT NO. B5595	

[ILLINOIS] FED. AID PROJECT BROS-00951061

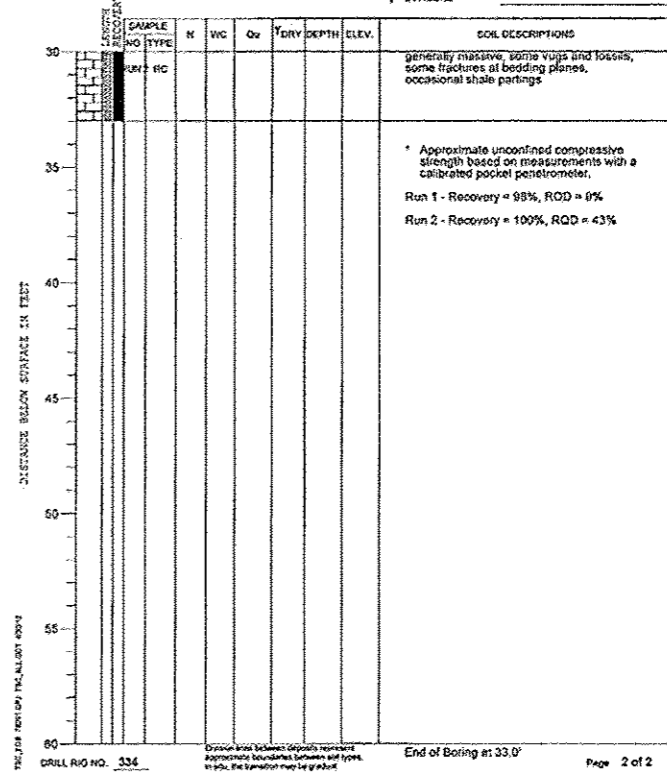
PROJECT 3 Bridge Replacement, Longhollow and Brodrecht Roads, Jo Daviess County, IL
 CLIENT Willett Hofmann and Associates, Dixon, Illinois
 BORING 301 DATE STARTED 4-13-12 DATE COMPLETED 4-13-12 JOB L-78,291
 ELEVATIONS WATER LEVEL OBSERVATIONS
 GROUND SURFACE 766.2 WHILE DRILLING
 END OF BORING 731.2 AT END OF BORING 8.0'
 24 HOURS



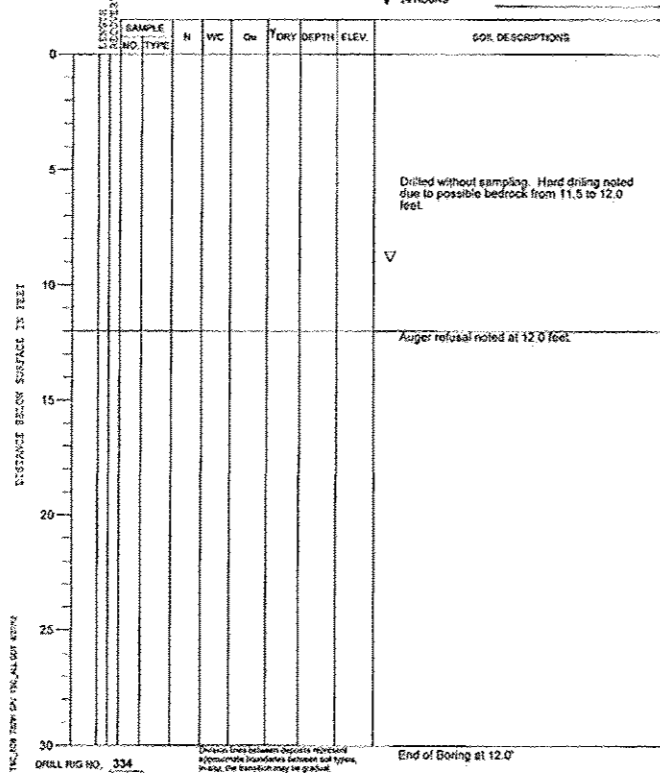
PROJECT 3 Bridge Replacement, Longhollow and Brodrecht Roads, Jo Daviess County, IL
 CLIENT Willett Hofmann and Associates, Dixon, Illinois
 BORING 303 DATE STARTED 4-13-12 DATE COMPLETED 4-13-12 JOB L-78,291
 ELEVATIONS WATER LEVEL OBSERVATIONS
 GROUND SURFACE 754.5 WHILE DRILLING
 END OF BORING 730.5 AT END OF BORING 8.6'
 24 HOURS



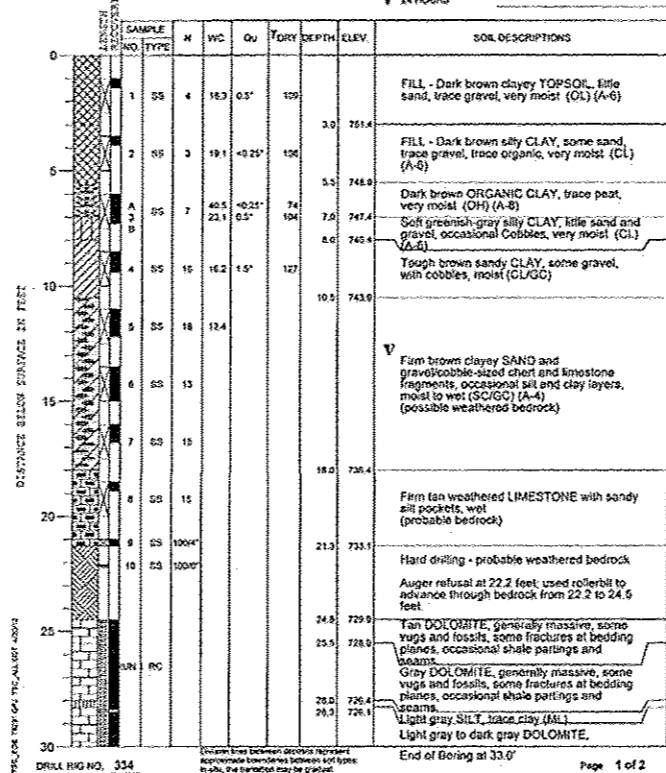
PROJECT 3 Bridge Replacement, Longhollow and Brodrecht Roads, Jo Daviess County, IL
 CLIENT Willett Hofmann and Associates, Dixon, Illinois
 BORING 304 DATE STARTED 4-16-12 DATE COMPLETED 4-23-12 JOB L-78,291
 ELEVATIONS WATER LEVEL OBSERVATIONS
 GROUND SURFACE 754.4 WHILE DRILLING 13.0'
 END OF BORING 721.4 AT END OF BORING N/A - wash boring
 24 HOURS



PROJECT 3 Bridge Replacement, Longhollow and Brodrecht Roads, Jo Daviess County, IL
 CLIENT Willett Hofmann and Associates, Dixon, Illinois
 BORING 302 DATE STARTED 4-13-12 DATE COMPLETED 4-13-12 JOB L-78,291
 ELEVATIONS WATER LEVEL OBSERVATIONS
 GROUND SURFACE 754.0 WHILE DRILLING
 END OF BORING 742.0 AT END OF BORING 9.0'
 24 HOURS



PROJECT 3 Bridge Replacement, Longhollow and Brodrecht Roads, Jo Daviess County, IL
 CLIENT Willett Hofmann and Associates, Dixon, Illinois
 BORING 304 DATE STARTED 4-16-12 DATE COMPLETED 4-23-12 JOB L-78,291
 ELEVATIONS WATER LEVEL OBSERVATIONS
 GROUND SURFACE 754.4 WHILE DRILLING 13.0'
 END OF BORING 721.4 AT END OF BORING N/A - wash boring
 24 HOURS



Refer to Sht. 21 for Boring Locations

FILE: S:\PROJECTS\2011\1822011-Jo Daviess Longhollow\DESIGN\DRAWINGS\1822011_Boring_Sheets.dwg

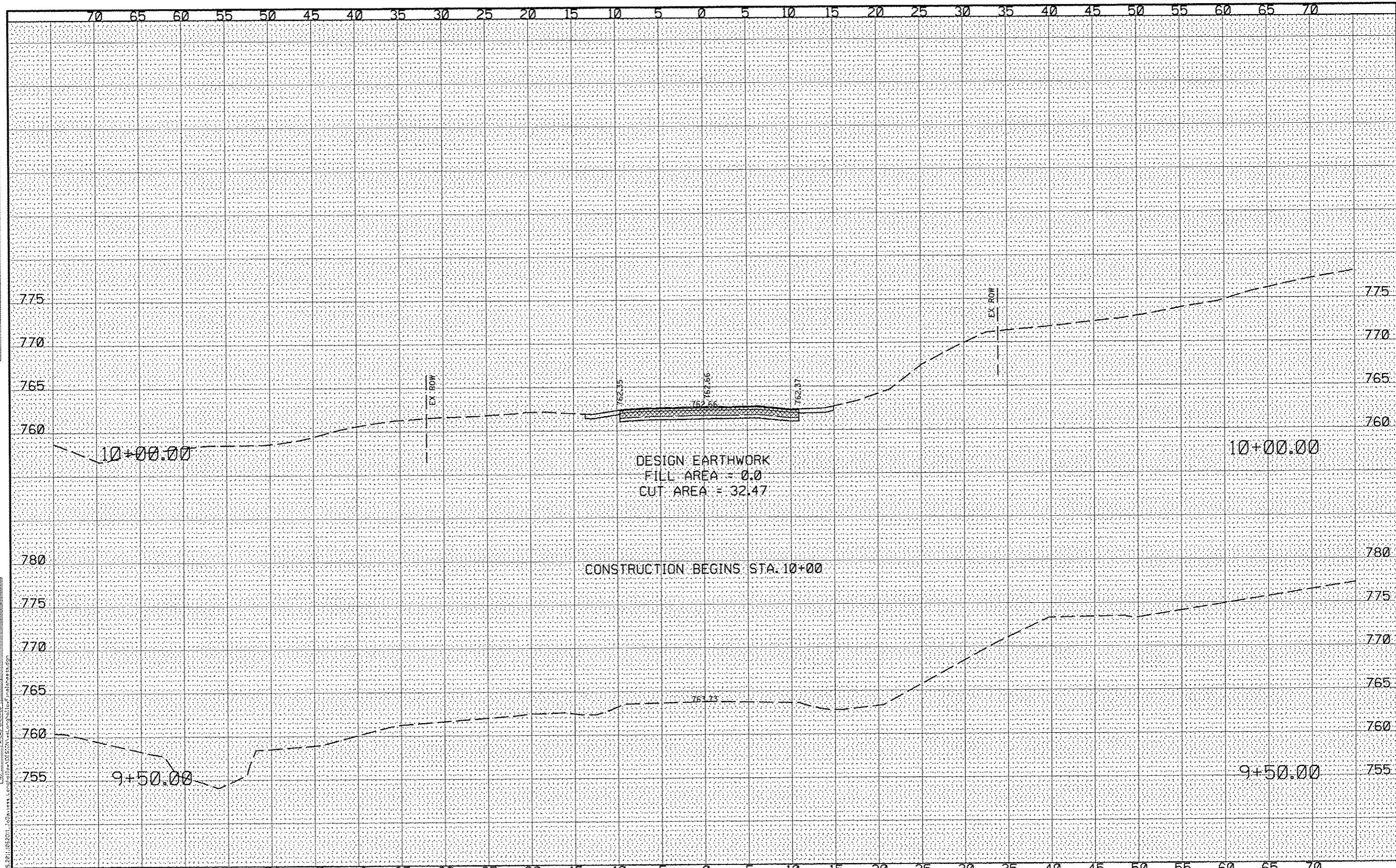


DESIGNED - BKC	REVISED -
CHECKED - MAC	REVISED -
DRAWN - FDL	REVISED -
CHECKED - BKC	REVISED -

JO DAVIESS COUNTY
 LONGHOLLOW ROAD BRIDGE REPLACEMENT
 2013

SOIL BORING LOGS
 DOUBLE BARREL (12'-0" x 7'-6") CULVERT - STA. 109+37

TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	42
	WHA # 1062D11		CONTRACT NO. 85595	
ILLINOIS FED. AID PROJECT BROS-00810561				



DATE	
BY	
DESIGNED	
CHECKED	
DRAWN	
PROJECT	
NO. _____	

DATE	
BY	
DESIGNED	
CHECKED	
DRAWN	
PROJECT	
NO. _____	

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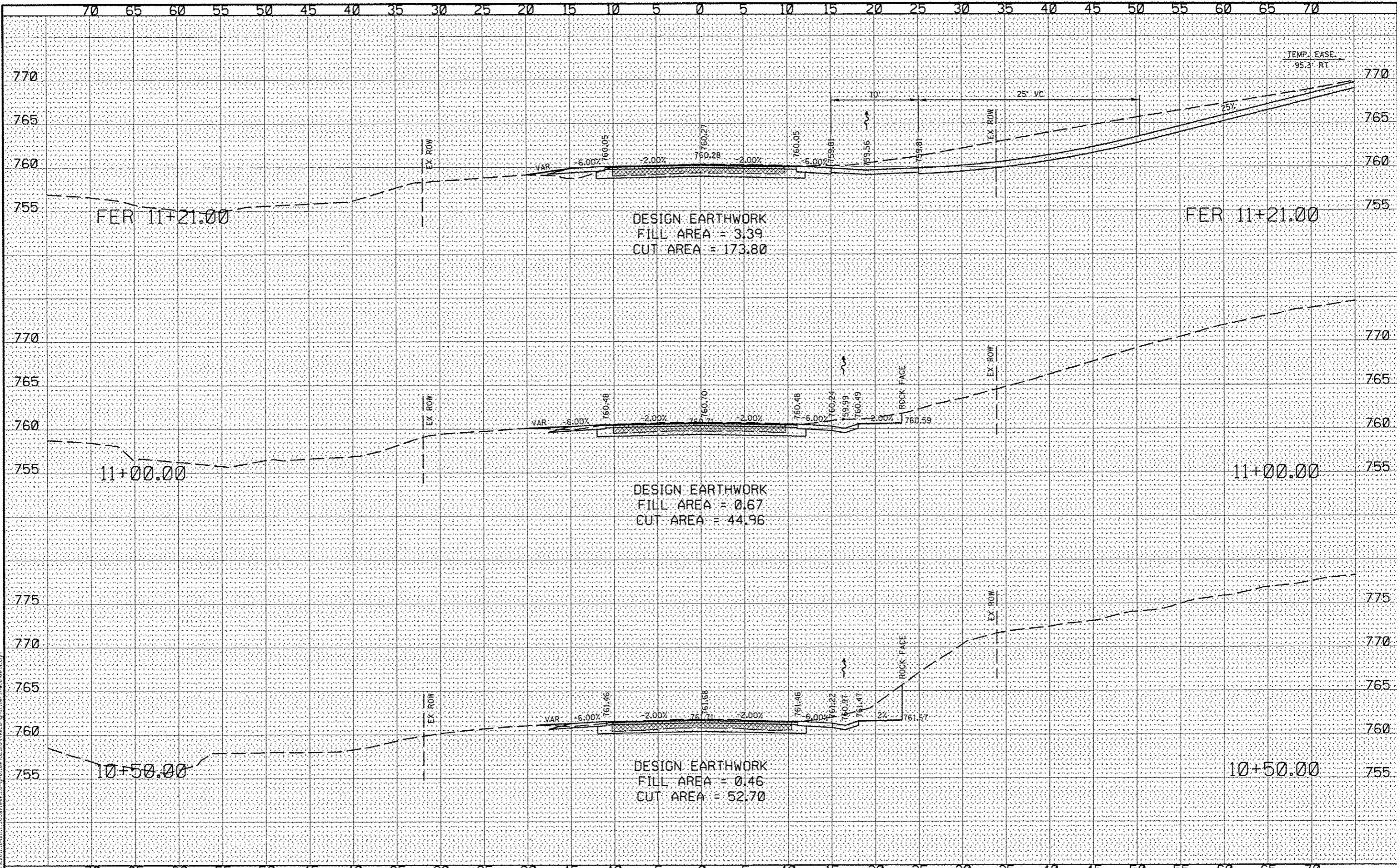
DESIGNED - J.R.R.	REVISED -
CHECKED - G.F.S.	REVISED -
DRAWN - D.L.B.	REVISED -
CHECKED - G.F.S.	REVISED -

**JO DAVIESS COUNTY
LONGHOLLOW ROAD BRIDGE REPLACEMENT
2013**

**CROSS SECTIONS
LONGHOLLOW ROAD**

SCALE: _____ SHEET NO. ____ OF ____ SHEETS STA. 9+50.00 TO STA. 10+00.00

TWP.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	43
WHA* 1062011			CONTRACT NO. 85595	
ILLINOIS FED. AID PROJECT BR05-00850561				



DATE	
BY	
REVISIONS	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
REVISIONS	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

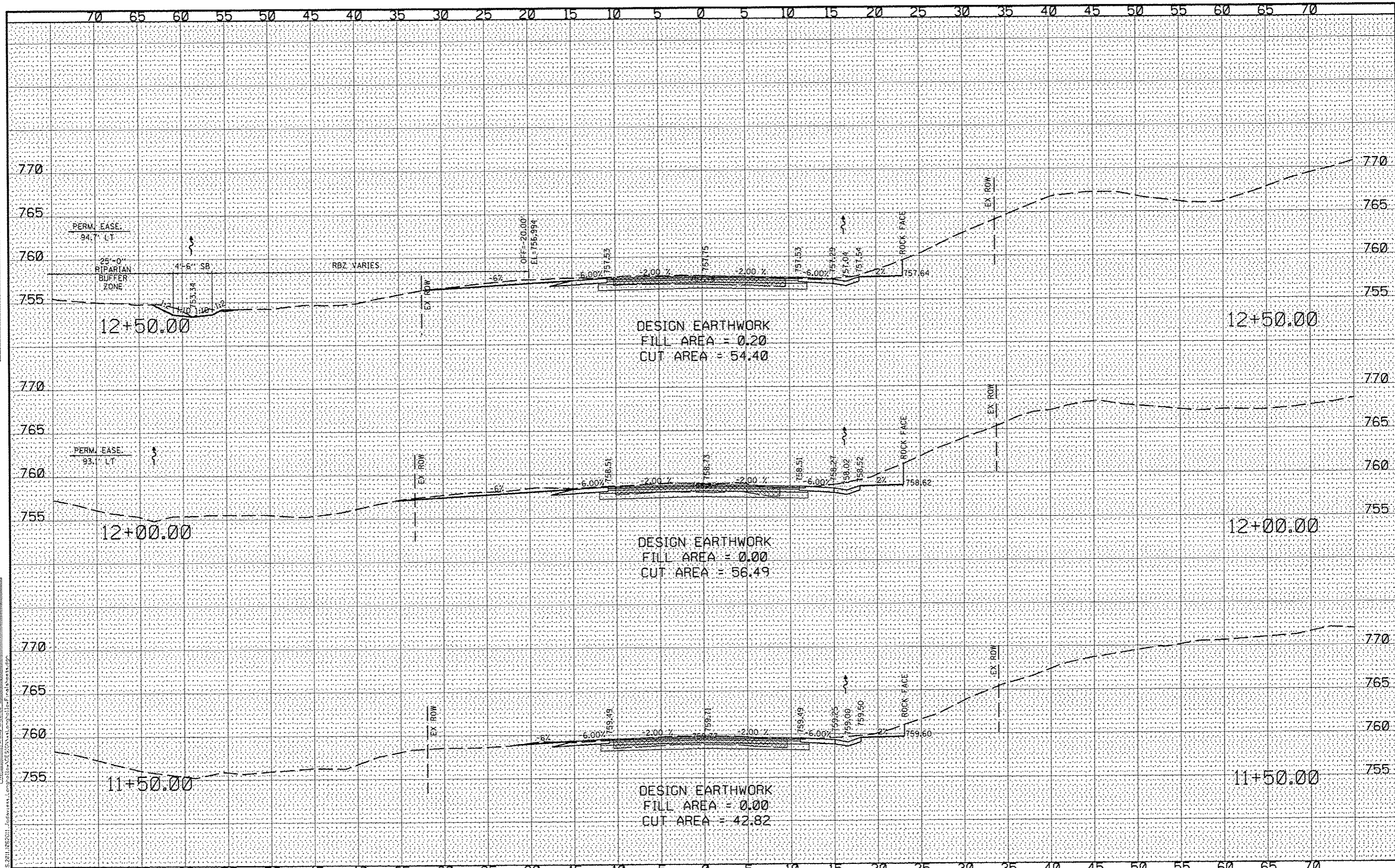


DESIGNED - J.R.R.	REVISED -
CHECKED - G.F.S.	REVISED -
DRAWN - D.L.B.	REVISED -
CHECKED - G.F.S.	REVISED -

**JO DAVIESS COUNTY
LONGHOLLOW ROAD BRIDGE REPLACEMENT
2013**

CROSS SECTIONS LONGHOLLOW ROAD	
SCALE: _____	SHEET NO. ____ OF ____ SHEETS
STA. 10+50.00 TO STA. 11+21.00	

TWP. RTE. 117	SECTION 11-07115-00-BR	COUNTY JO DAVIESS	TOTAL SHEETS 73	SHEET NO. 44
WHA# 1062011			CONTRACT NO. 85595	
ILLINOIS FED. AID PROJECT BR05-00850561				



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

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

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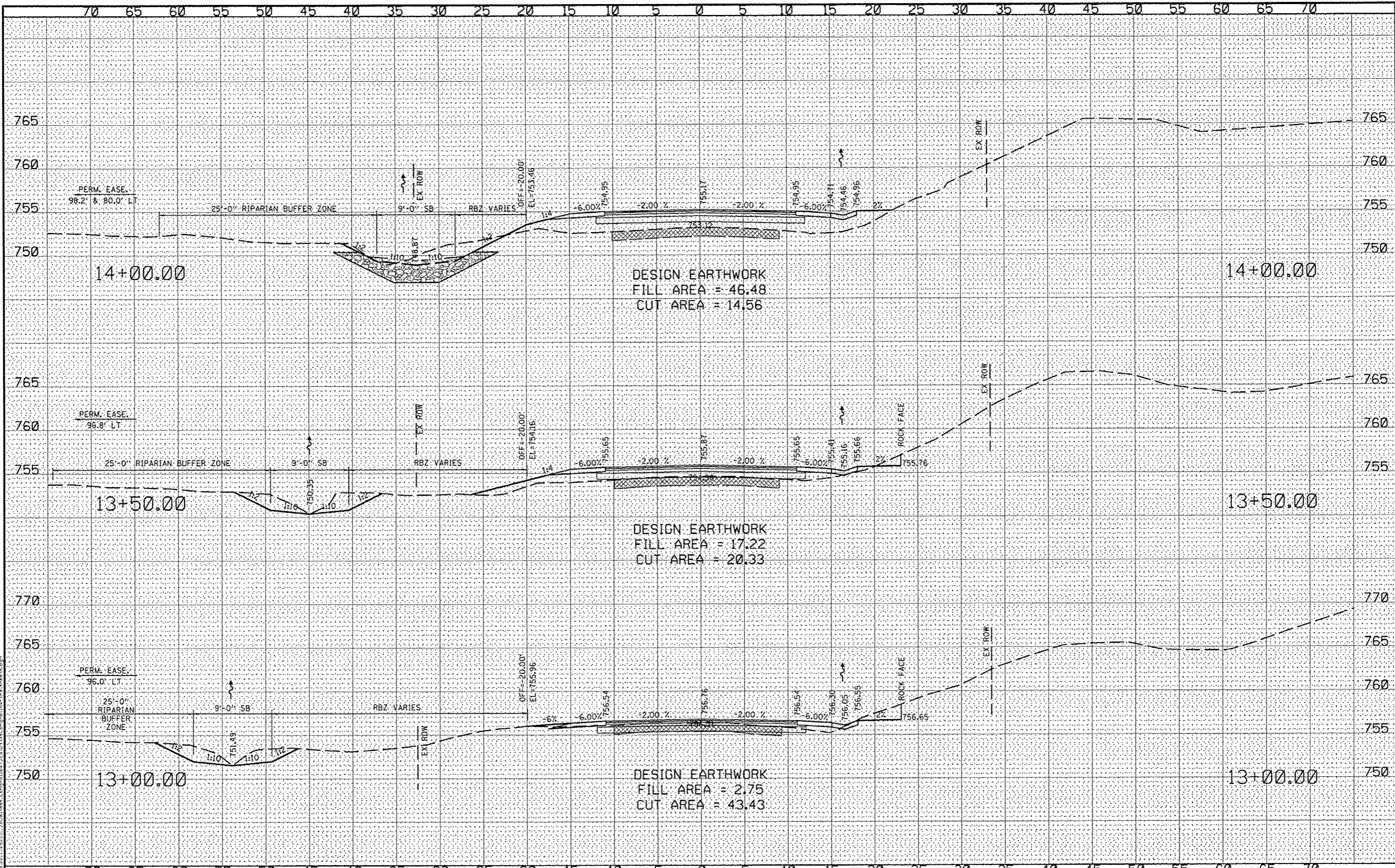


DESIGNED	- J.R.R.	REVISED	-
CHECKED	- G.F.S.	REVISED	-
DRAWN	- D.L.B.	REVISED	-
CHECKED	- G.F.S.	REVISED	-

**JO DAVIESS COUNTY
LONGHOLLOW ROAD BRIDGE REPLACEMENT
2013**

CROSS SECTIONS LONGHOLLOW ROAD	
SCALE:	SHEET NO. <u> </u> OF <u> </u> SHEETS
STA. 11+50.00 TO STA. 12+50.00	

TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	45
WHA* 1062011			CONTRACT NO. 85595	
ILLINOIS/FED. AIG PROJECT BRD-08510561				



DESIGN EARTHWORK
 FILL AREA = 46.48
 CUT AREA = 14.56

DESIGN EARTHWORK
 FILL AREA = 17.22
 CUT AREA = 20.33

DESIGN EARTHWORK
 FILL AREA = 2.75
 CUT AREA = 43.43

DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
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DATE	
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REVISIONS	
NO.	



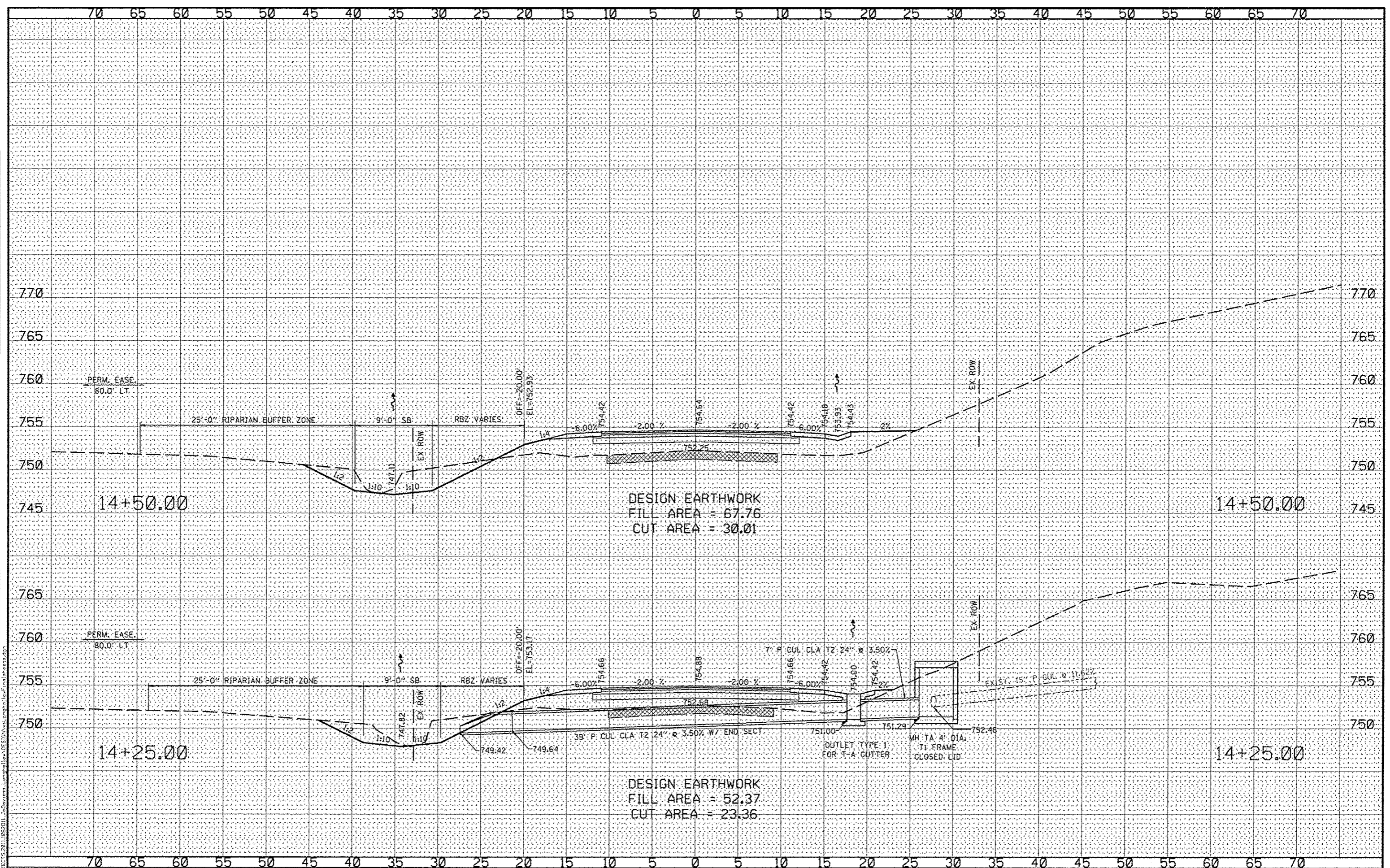
WILLET HOFMANN ASSOCIATES INC.
 ENGINEERING ARCHITECTURE LAND SURVEYING
 539 EAST 7ND STREET, DIXON, IL 61021-0167
 T. 815-234-3351 DESIGN FIRM #164-000978

DESIGNED	- J.R.R.	REVISED	-
CHECKED	- G.F.S.	REVISED	-
DRAWN	- D.L.B.	REVISED	-
CHECKED	- G.F.S.	REVISED	-

**JO DAVIESS COUNTY
 LONGHOLLOW ROAD BRIDGE REPLACEMENT
 2013**

SCALE: _____		SHEET NO. _____ OF _____ SHEETS		STA. 13+00.00 TO STA. 14+00.00	
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TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	46
WHA# 1062011			CONTRACT NO. 85595	
ILLINOIS FED. AID PROJECT BROS-00850561				



DATE	
BY	
NO.	
AREAS CHECKED	
AREAS	
TEMPLATE	
NOTED	
BOOK	
SURVEY	
FINISHED	

DATE	
BY	
NO.	
AREAS CHECKED	
AREAS	
TEMPLATE	
NOTED	
BOOK	
SURVEY	
FINISHED	



WILLET HOFMANN & ASSOCIATES, INC.
 ENGINEERING, ARCHITECTURE, LAND SURVEYING
 809 EAST 2ND STREET, OGDON, IL 61821-0187
 T. 815-234-3381 DESIGN PERM. #784-000978

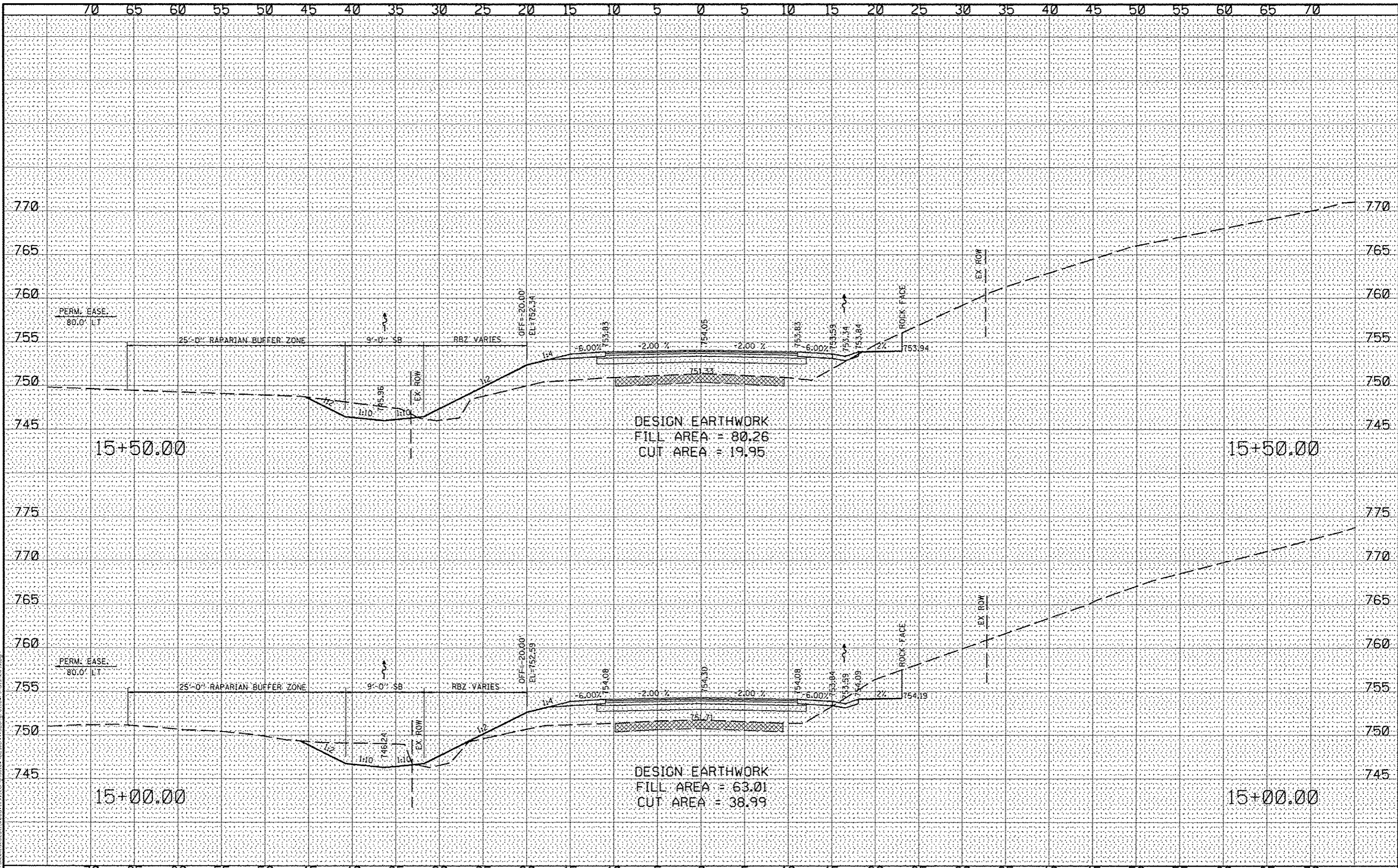
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CHECKED	- G.F.S.	REVISED	-
DRAWN	- D.L.B.	REVISED	-
CHECKED	- G.F.S.	REVISED	-

**JO DAVIESS COUNTY
 LONGHOLLOW ROAD BRIDGE REPLACEMENT
 2013**

**CROSS SECTIONS
 LONGHOLLOW ROAD**

SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. 14+25.00 TO STA. 14+50.00

TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	47
WHA* 1062011		CONTRACT NO. 85595		
ILLINOIS FED. AID PROJECT BROS-008510561				



DATE	
BY	
DESIGNED	
CHECKED	
DRAWN	
NOTED	
REVISIONS	

DATE	
BY	
DESIGNED	
CHECKED	
DRAWN	
NOTED	
REVISIONS	



DESIGNED	- J.R.R.	REVISED	-
CHECKED	- G.F.S.	REVISED	-
DRAWN	- D.L.B.	REVISED	-
CHECKED	- G.F.S.	REVISED	-

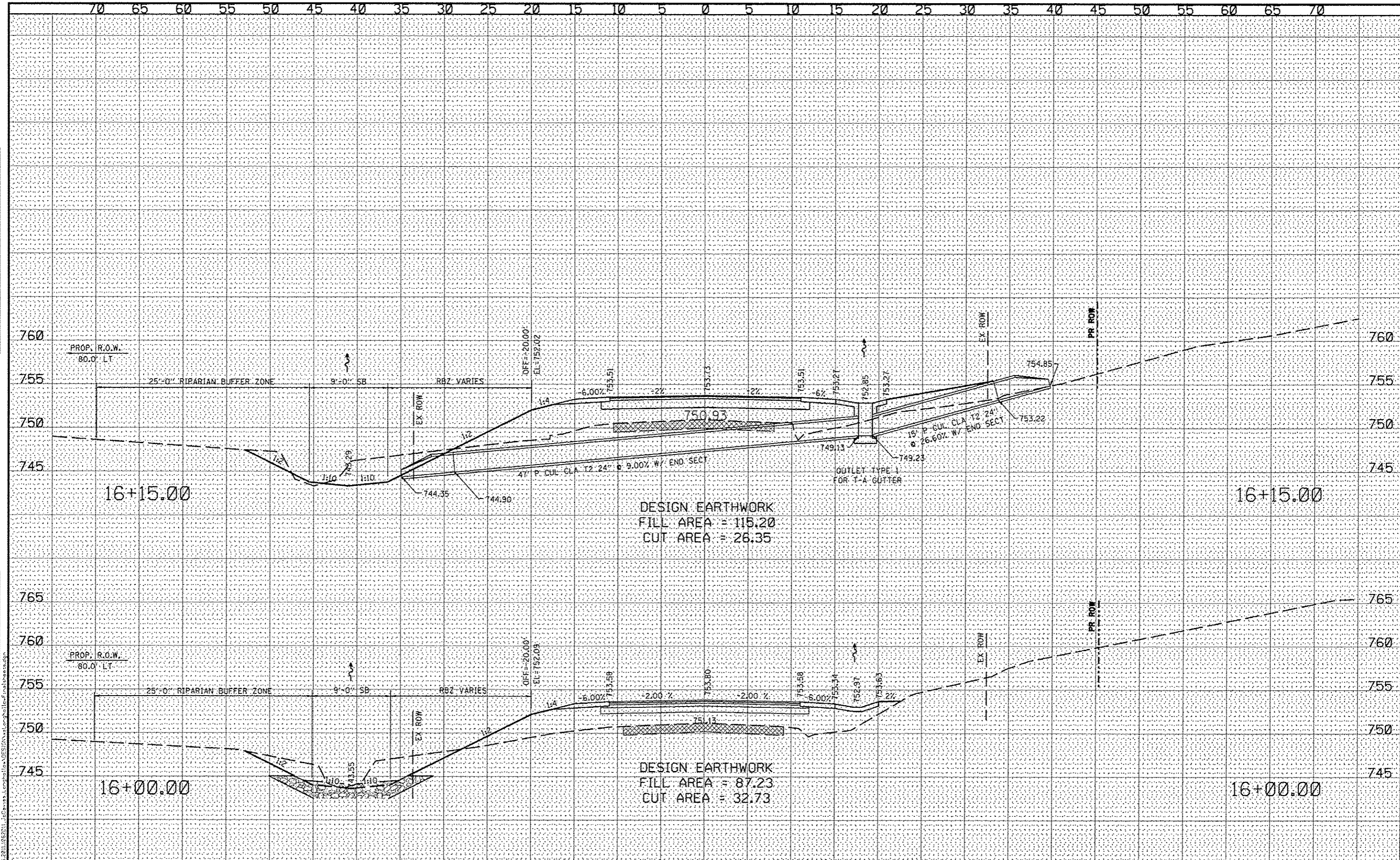
**JO DAVIESS COUNTY
LONGHOLLOW ROAD BRIDGE REPLACEMENT
2013**

CROSS SECTIONS LONGHOLLOW ROAD		
SCALE:	SHEET NO. <u> </u> OF <u> </u> SHEETS	STA. 15+00.00 TO STA. 15+50.00

TWP. 117	SECTION 11-07115-00-BR	COUNTY JO DAVIESS	TOTAL SHEETS 73	SHEET NO. 48
WHA* 1062011		CONTRACT NO. 85595		
ILLINOIS FED. AID PROJECT BR05-00810691				

DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	

DATE	
BY	
REVISIONS	
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DESIGN EARTHWORK
 FILL AREA = 115.20
 CUT AREA = 26.35

DESIGN EARTHWORK
 FILL AREA = 87.23
 CUT AREA = 32.73

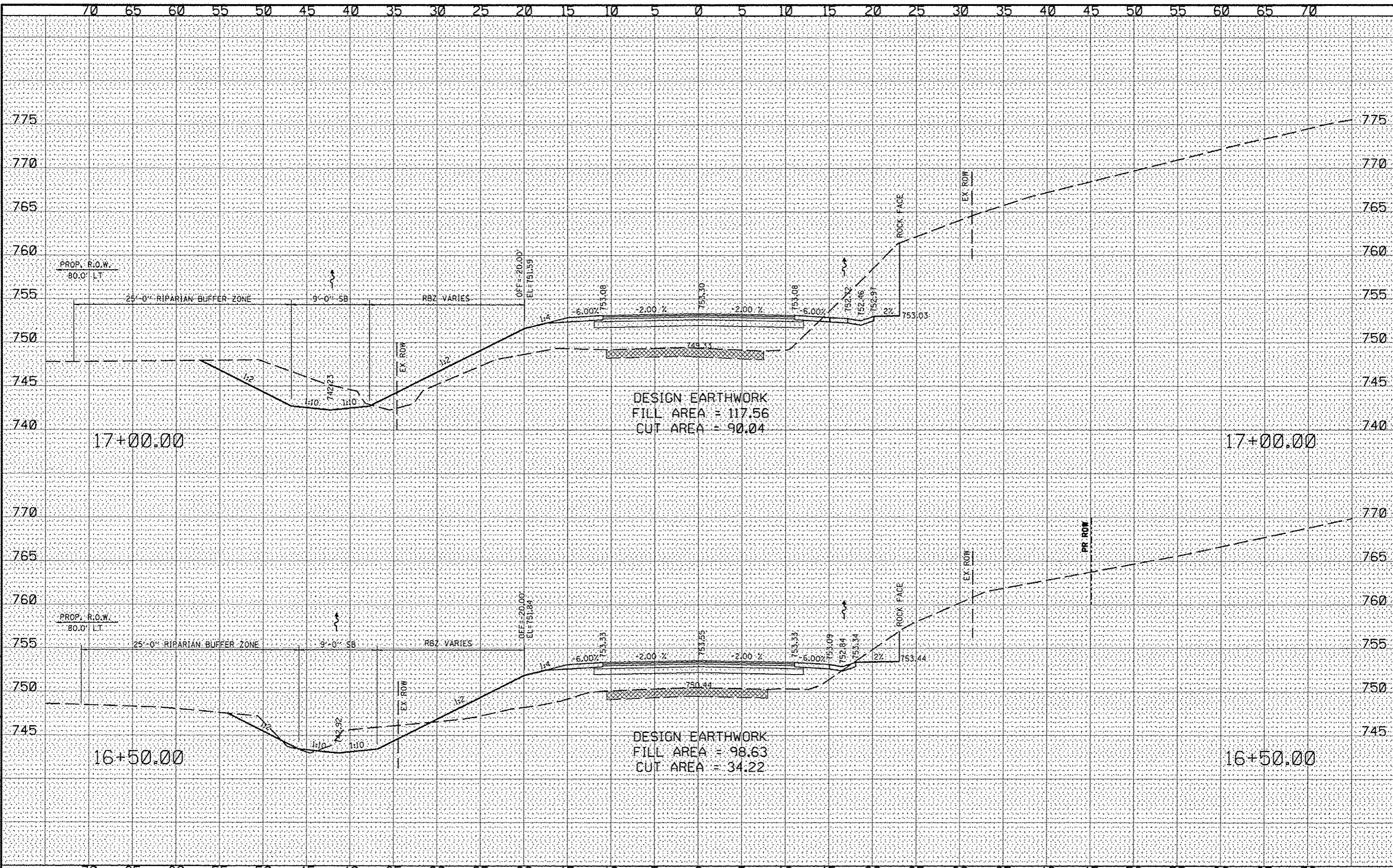


DESIGNED	- J.R.R.	REVISED	-
CHECKED	- G.F.S.	REVISED	-
DRAWN	- D.L.B.	REVISED	-
CHECKED	- G.F.S.	REVISED	-

JO DAVIESS COUNTY
 LONGHOLLOW ROAD BRIDGE REPLACEMENT
 2013

CROSS SECTIONS
 LONGHOLLOW ROAD
 SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. 16+00.00 TO STA. 16+15.00

TWP.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	49
WHA* 1062011		CONTRACT NO. 85595		
[ILLINOIS] FED. AID PROJECT BROS-008510561				



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DESIGNED	- J.R.R.	REVISED	-
CHECKED	- G.F.S.	REVISED	-
DRAWN	- D.L.B.	REVISED	-
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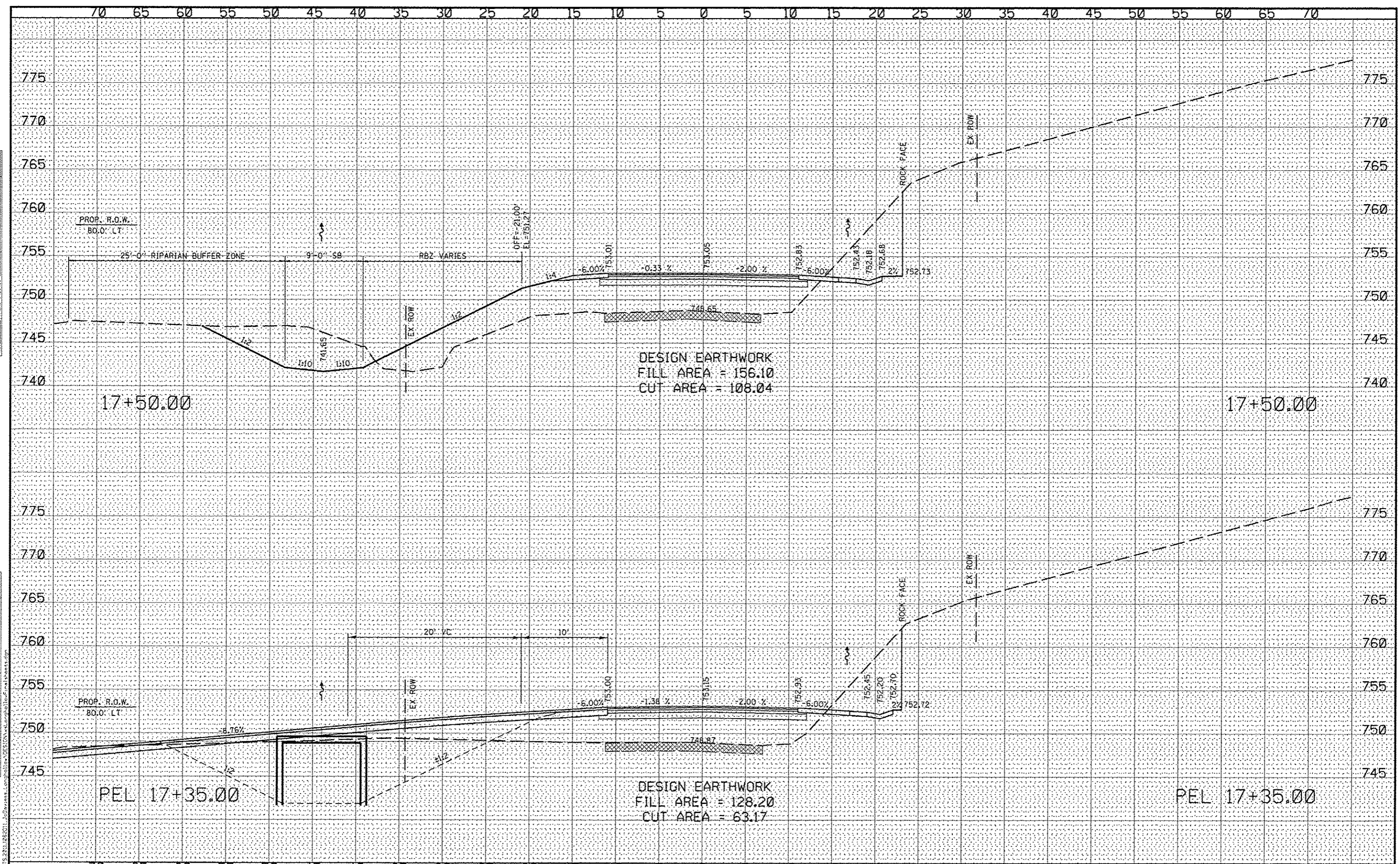
**JO DAVIESS COUNTY
LONGHOLLOW ROAD BRIDGE REPLACEMENT
2013**

CROSS SECTIONS	
LONGHOLLOW ROAD	
SCALE:	SHEET NO. OF SHEETS
STA. 16+50.00 TO STA. 17+00.00	

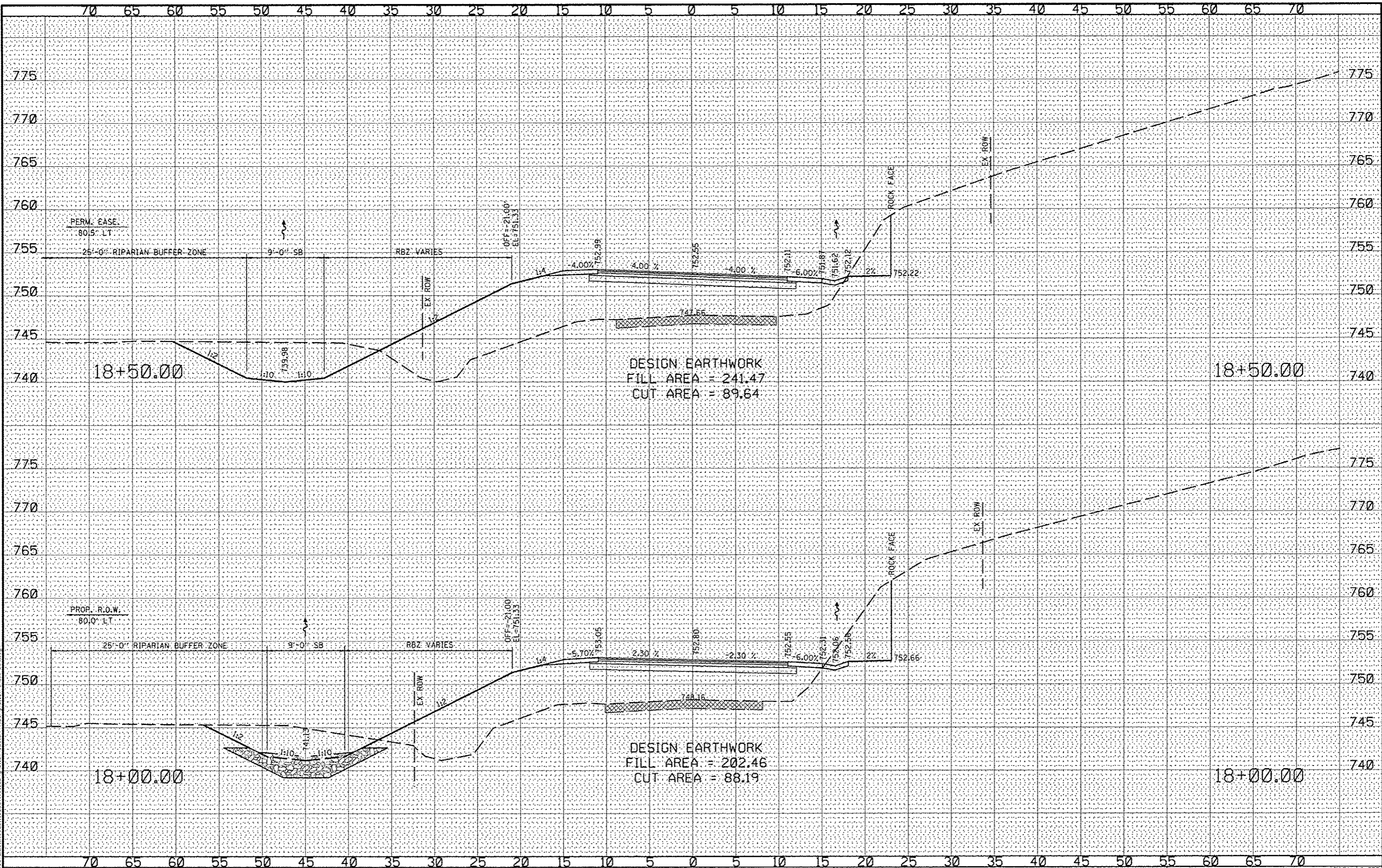
TWP.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	50
WHA# 1062011		CONTRACT NO. 85595		
ILLINOIS FED. AID PROJECT BROS-008510561				

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NOTE BOOK	
AREAS CHECKED	



WILLET HOFMANN & ASSOCIATES INC. ENGINEERING ARCHITECTURE LAND SURVEYING 809 EAST 2ND STREET, EVANOL, IL 61821-0187 T: 815-244-2387 DESIGN: FISH: 4154-00007'S	DESIGNED - J.R.R.	REVISED -	JO DAVIESS COUNTY LONGHOLLOW ROAD BRIDGE REPLACEMENT 2013	CROSS SECTIONS LONGHOLLOW ROAD		TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	CHECKED - G.F.S.	REVISED -		117	11-07115-00-BR	JO DAVIESS	73	51		
	DRAWN - D.L.B.	REVISED -		SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. 17+35.00 TO STA. 17+50.00		WHA* 1062011		CONTRACT NO. 85595		
	CHECKED - G.F.S.	REVISED -				ILLINOIS FED. AID PROJECT BR05-00850561				



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DESIGNED	- J.R.R.	REVISED	-
CHECKED	- G.F.S.	REVISED	-
DRAWN	- D.L.B.	REVISED	-
CHECKED	- G.F.S.	REVISED	-

**JO DAVIESS COUNTY
LONGHOLLOW ROAD BRIDGE REPLACEMENT
2013**

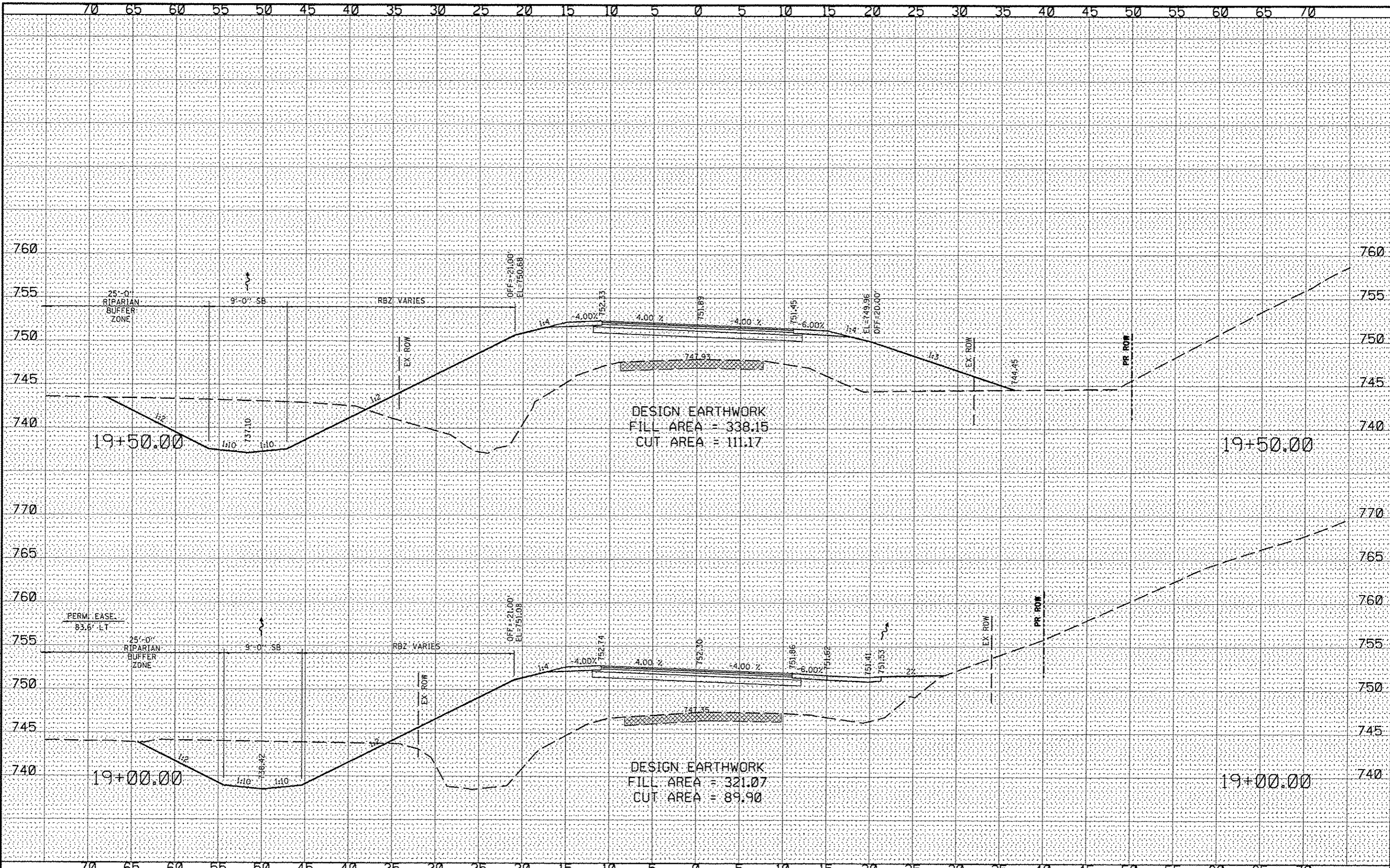
**CROSS SECTIONS
LONGHOLLOW**

SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. 18+00.00 TO STA. 18+50.00

TWP.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	52
	WHA # 1062D11		CONTRACT NO. 85595	
ILLINOIS FED. AID PROJECT BR05-00850561				

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DESIGNED	- J.R.R.	REVISED	-
CHECKED	- G.F.S.	REVISED	-
DRAWN	- D.L.B.	REVISED	-
CHECKED	- G.F.S.	REVISED	-

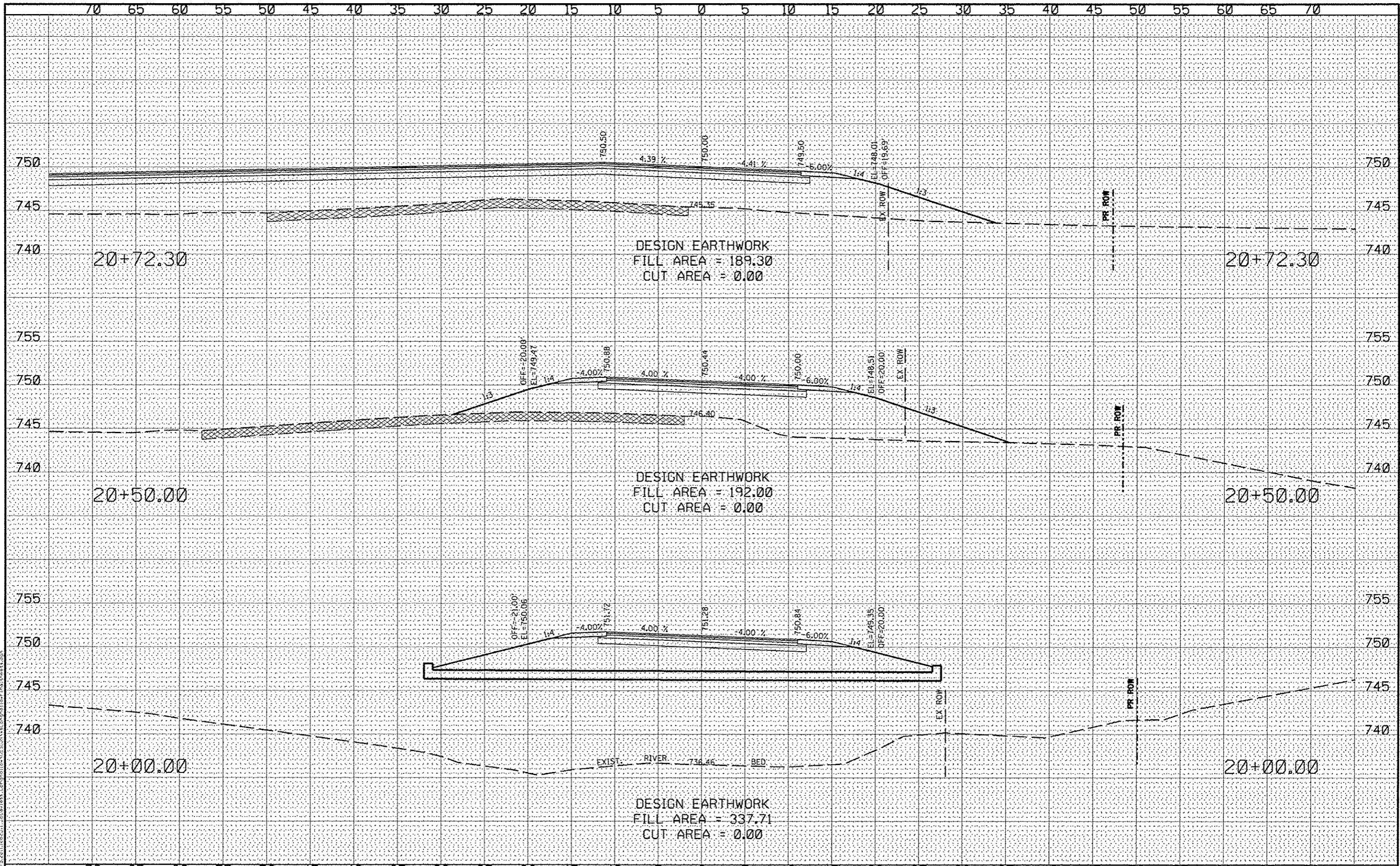
**JO DAVIESS COUNTY
LONGHOLLOW ROAD BRIDGE REPLACEMENT
2013**

SCALE: _____		SHEET NO. _____ OF _____ SHEETS		STA. 19+00.00 TO STA. 19+50.00	
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TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	53
WHA* 1062011			CONTRACT NO. 85595	
ILLINOIS FED. AID PROJECT 8R05-00810561				

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WILLETT HOFMANN ASSOCIATES INC.
 ENGINEERING ARCHITECTURE LANDSCAPE ARCHITECTURE
 809 EAST 2ND STREET, SUITE 100, A. #1021, CHICAGO, IL 60601-1002
 T: 312-254-8381 FAX: 312-254-0099

DESIGNED - J.R.R.	REVISED -
CHECKED - G.F.S.	REVISED -
DRAWN - D.L.B.	REVISED -
CHECKED - G.F.S.	REVISED -

**JO DAVIESS COUNTY
 LONGHOLLOW ROAD BRIDGE REPLACEMENT
 2013**

**CROSS SECTIONS
 LONGHOLLOW ROAD**

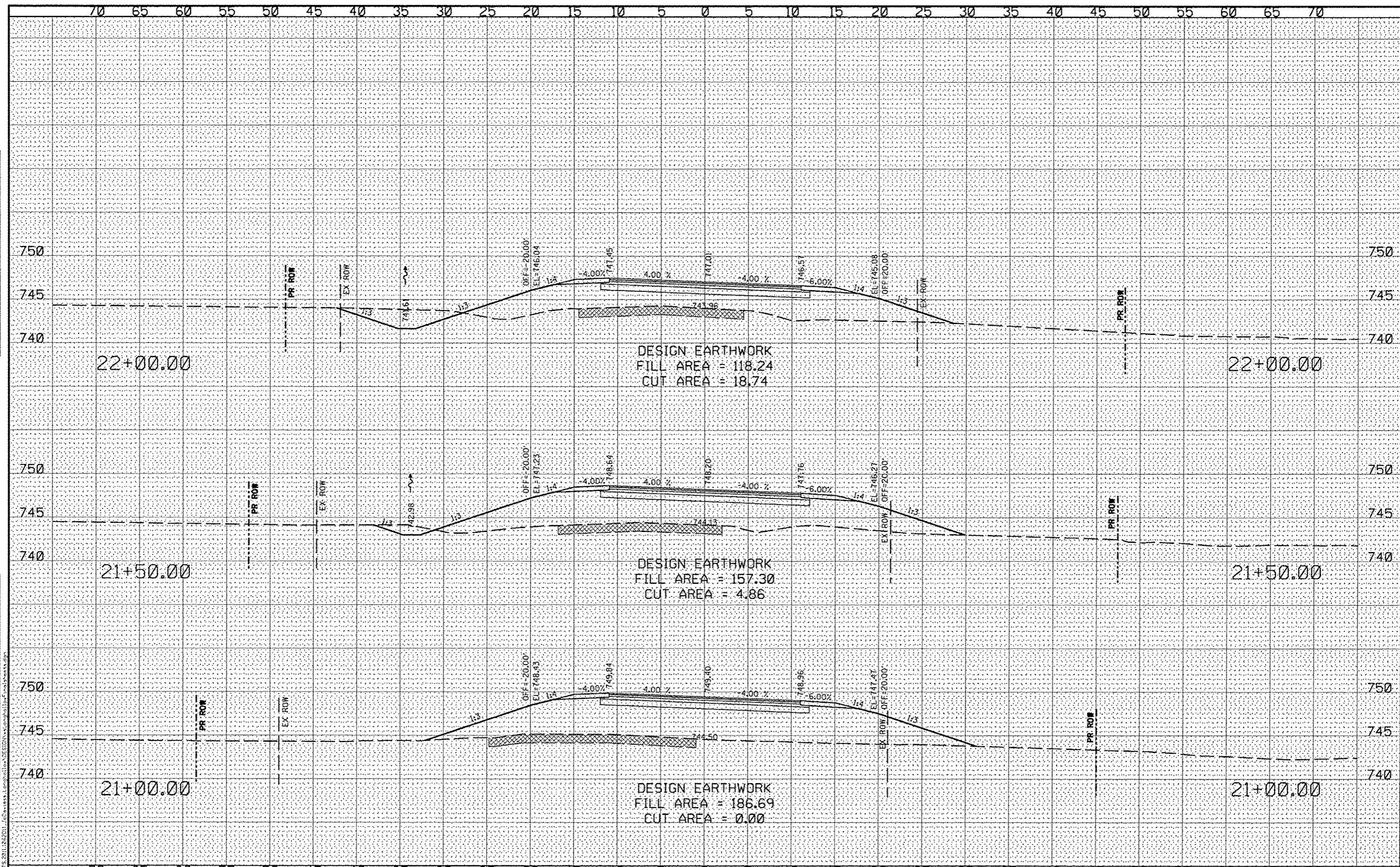
SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. 20+00.00 TO STA. 20+72.30

TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	54
WHA* 1062011		CONTRACT NO. 85595		
ILLINOIS FED. AID PROJECT BR05-0085(056)				

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WILLET HOFMANN & ASSOCIATES, INC.
 ENGINEERING, ARCHITECTURE, LAND SURVEYING
 609 EAST 2ND STREET, OGDON, IL 61021-0367
 T. 815-234-3381 DESIGN FAX: 815-0529-8

DESIGNED - J.R.R.	REVISED -
CHECKED - G.F.S.	REVISED -
DRAWN - D.L.B.	REVISED -
CHECKED - G.F.S.	REVISED -

**JO DAVIESS COUNTY
 LONGHOLLOW ROAD BRIDGE REPLACEMENT
 2013**

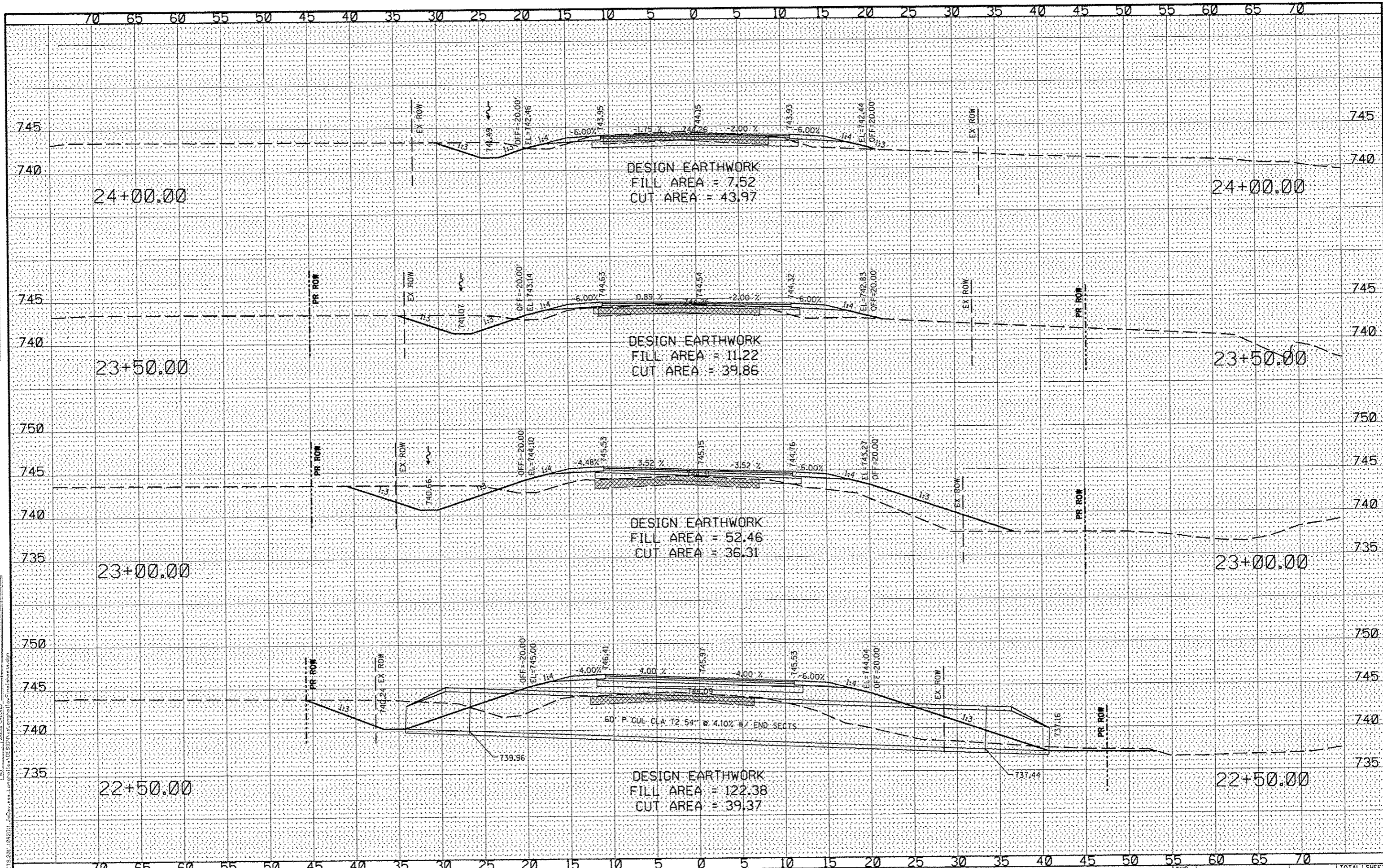
**CROSS SECTIONS
 LONGHOLLOW ROAD**

SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. 21+00.00 TO STA. 22+00.00

TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	55
WHA 1062011		CONTRACT NO. 85595		
ILLINOIS FED. AID PROJECT BROS-00850561				

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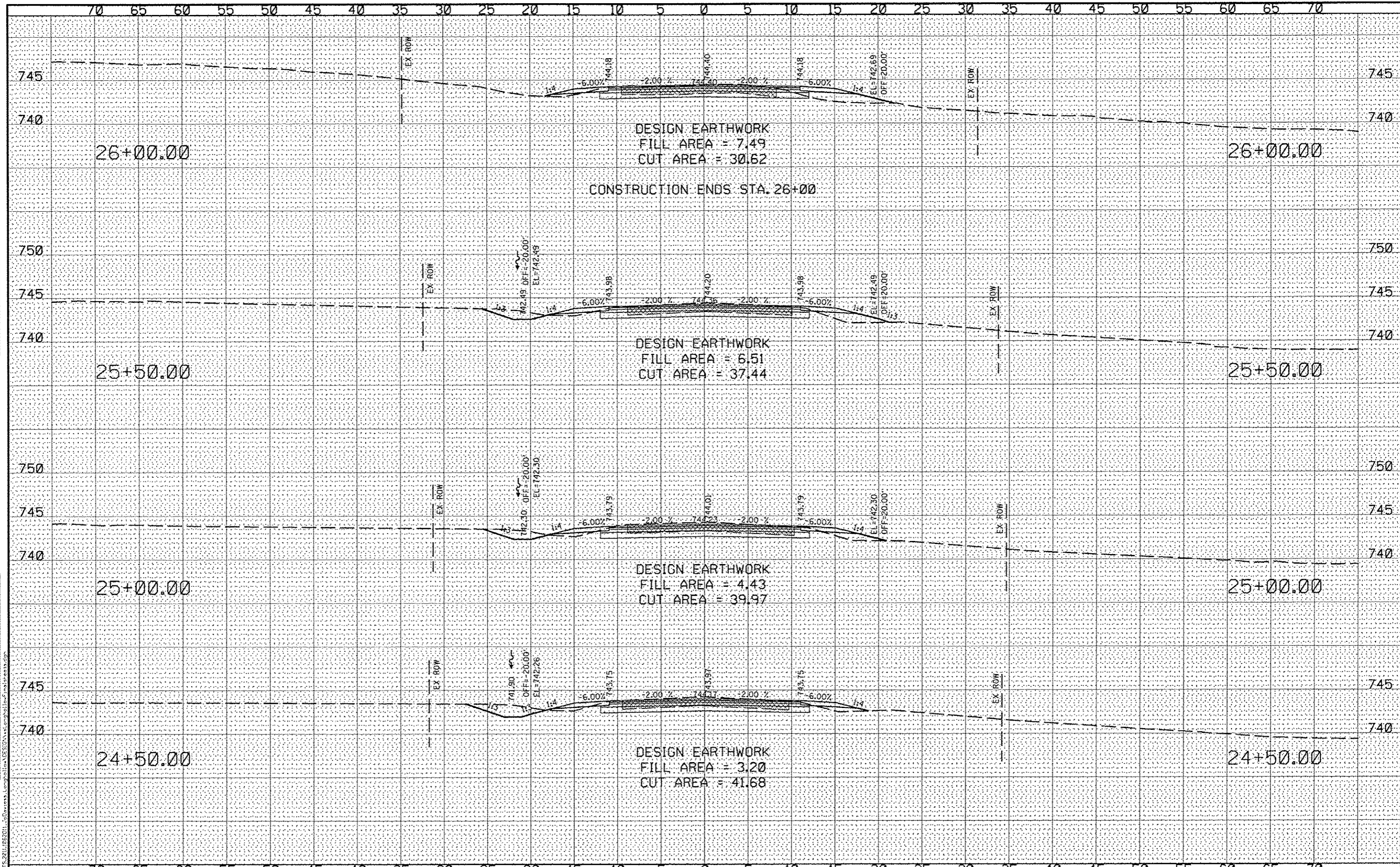
DESIGNED	- J.R.R.	REVISED	-
CHECKED	- G.F.S.	REVISED	-
DRAWN	- D.L.B.	REVISED	-
CHECKED	- G.F.S.	REVISED	-

**JO DAVIESS COUNTY
 LONGHOLLOW ROAD BRIDGE REPLACEMENT
 2013**

**CROSS SECTIONS
 LONGHOLLOW ROAD**

SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. 22+50.00 TO STA. 24+00.00

TWP.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	56
WHA* 1062011			CONTRACT NO. 85595	
ILLINOIS FED. AID PROJECT BROS-00850561				



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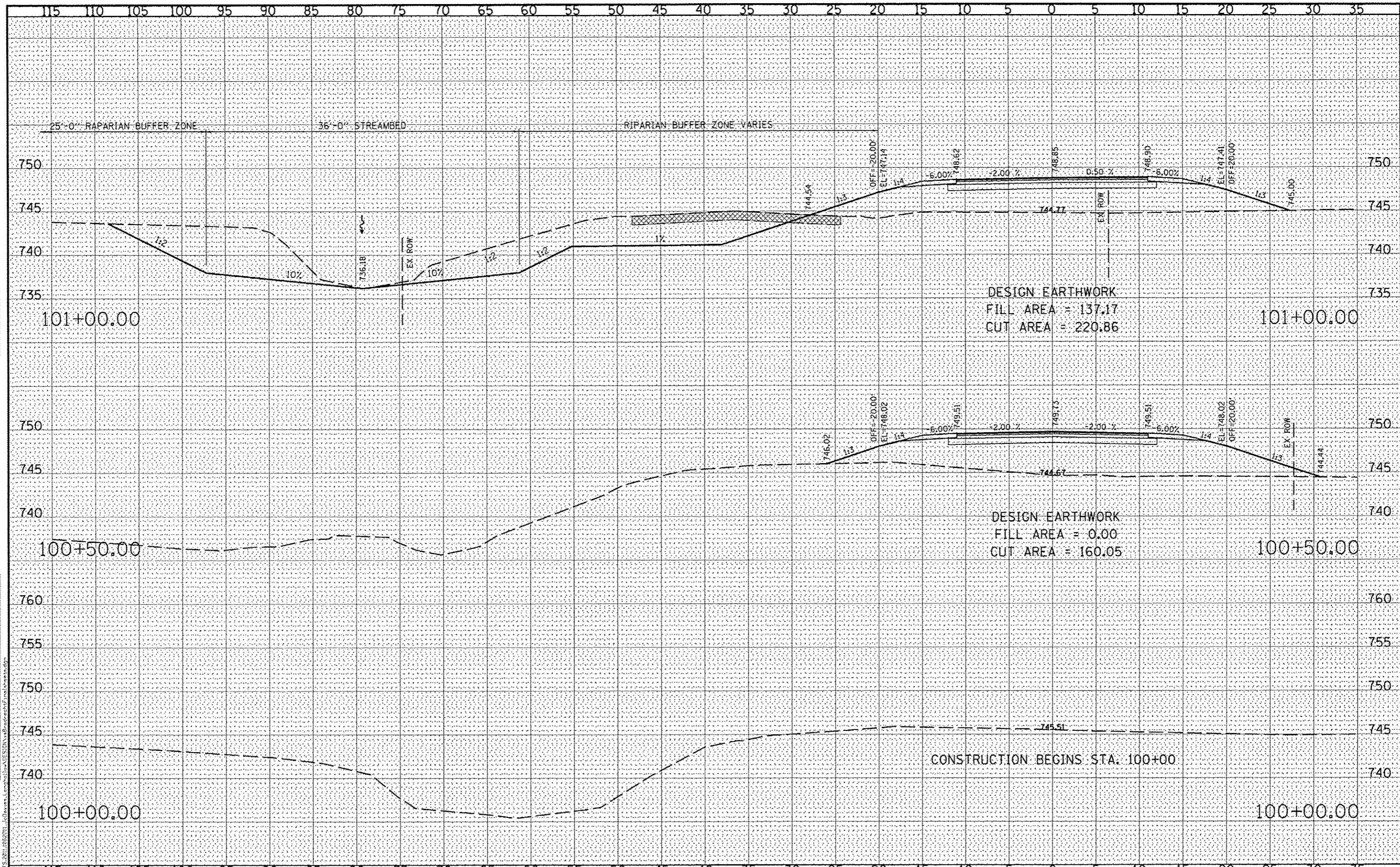


DESIGNED	- J.R.R.	REVISED	-
CHECKED	- G.F.S.	REVISED	-
DRAWN	- D.L.B.	REVISED	-
CHECKED	- G.F.S.	REVISED	-

**JO DAVIESS COUNTY
 LONGHOLLOW ROAD BRIDGE REPLACEMENT
 2013**

SCALE: _____		SHEET NO. _____ OF _____ SHEETS	STA. 24+50.00 TO STA. 26+00.00
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TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	57
WHA # 1062011		CONTRACT NO. 85595		
ILLINOIS FED. AID PROJECT BR05-00850561				



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WILLET HOFMANN & ASSOCIATES INC.
 ENGINEERING, ARCHITECTURE, LAND SURVEYING
 209 EAST 2ND STREET, OGDON, IL 61021-0147
 T: 815-234-3381 DESIGN FAX: 815-699-715

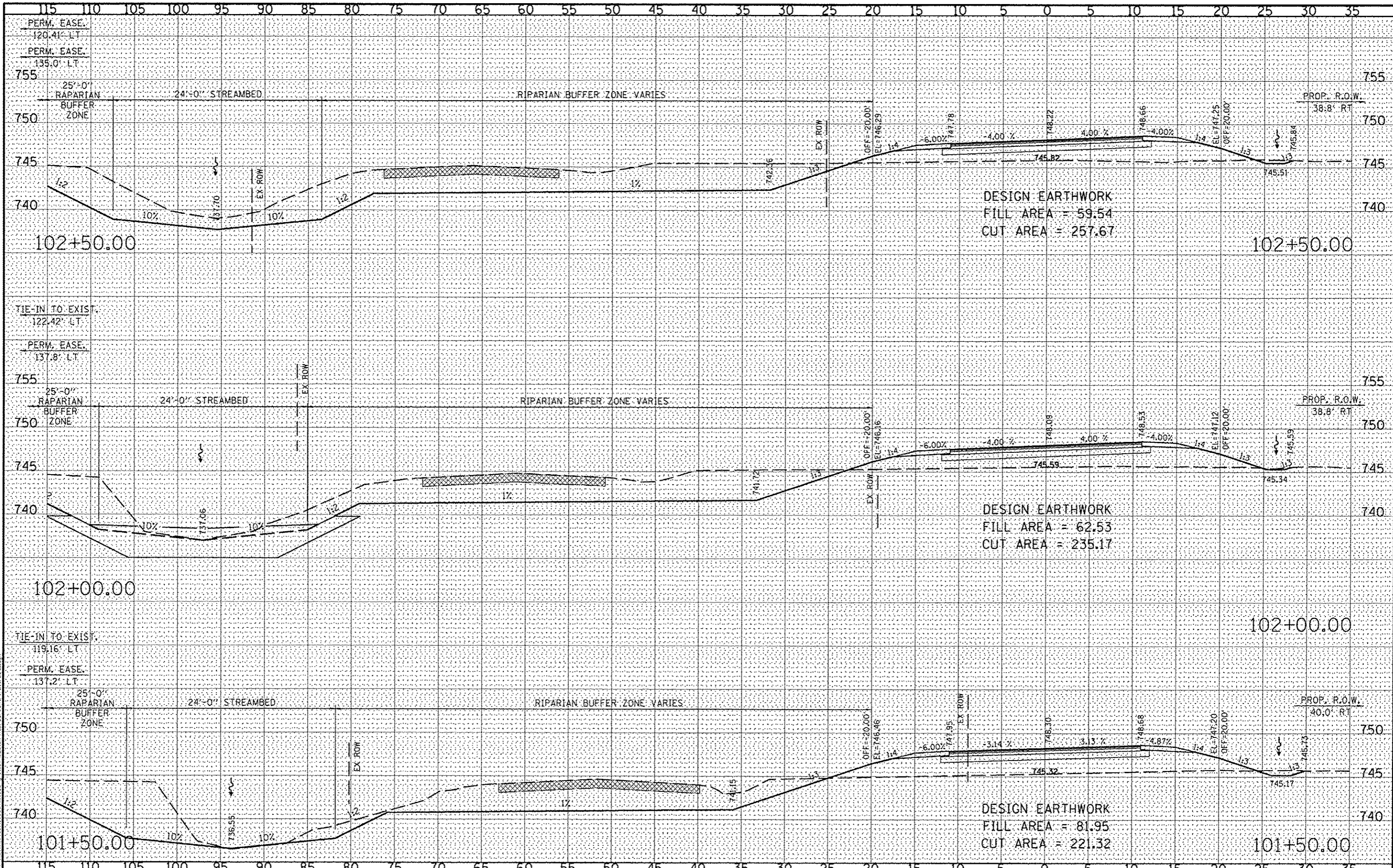
DESIGNED - J.R.R.	REVISED -
CHECKED - G.F.S.	REVISED -
DRAWN - D.L.B.	REVISED -
CHECKED - G.F.S.	REVISED -

**JO DAVIESS COUNTY
 LONGHOLLOW ROAD BRIDGE REPLACEMENT
 2013**

**CROSS SECTIONS
 BRODRECHT ROAD**

SCALE: 1" = 5'-0" SHEET NO. 01 OF 13 SHEETS STA. 100+00.00 TO STA. 101+00.00

TWP. R1E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	58
WHA 1162011			CONTRACT NO. 85595	
ILLINOIS FED. AID PROJECT BR05-00850561				



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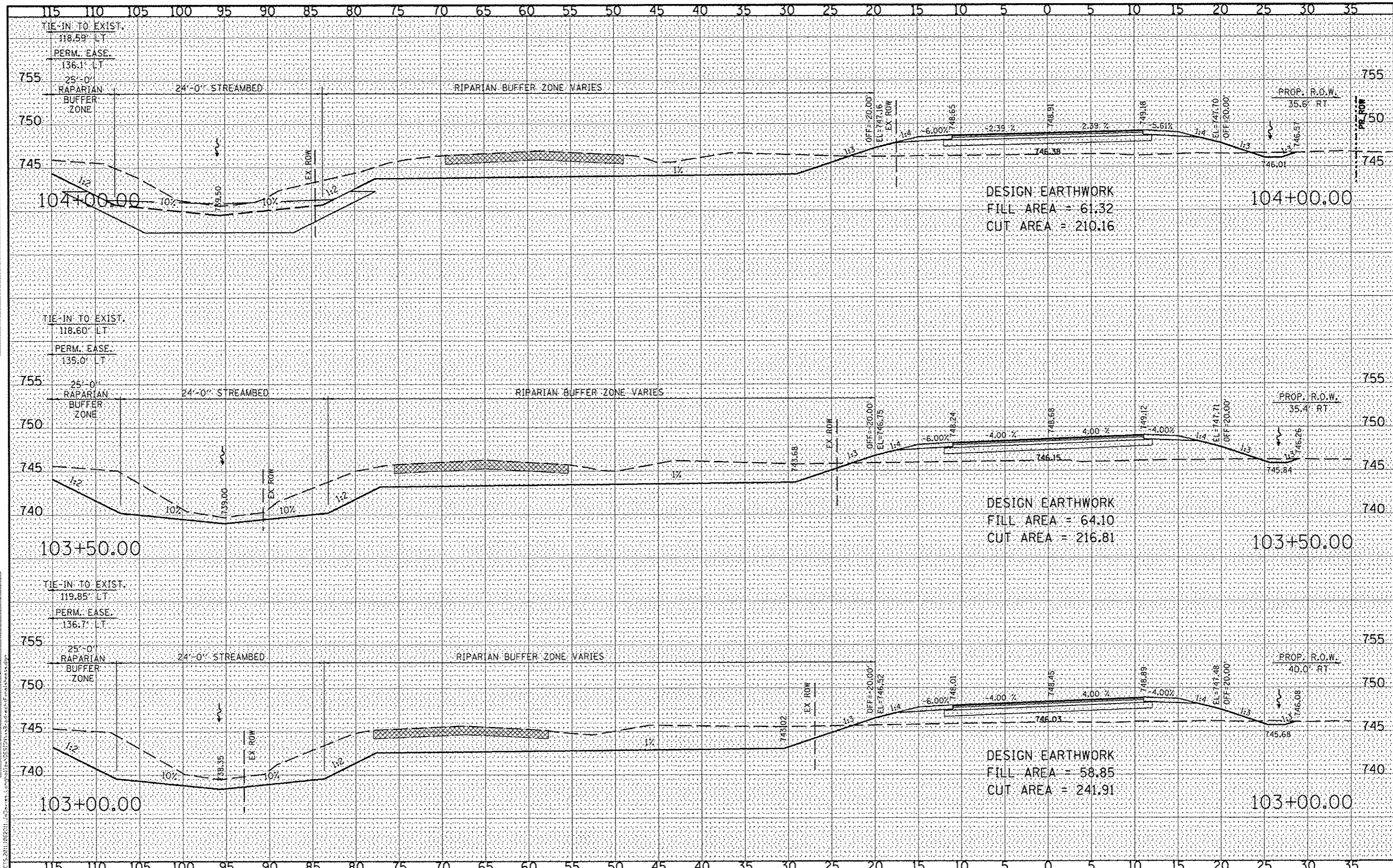
WILLET HOFMANN ASSOCIATES INC.
 ENGINEERING, ARCHITECTURE, LAND SURVEYING
 809 EAST 2ND STREET, GAITHERSBURG, IL 61021-0189
 T. 815-234-3181 FAX. 815-234-3182

DESIGNED - J.R.R.	REVISED -
CHECKED - G.F.S.	REVISED -
DRAWN - D.L.B.	REVISED -
CHECKED - G.F.S.	REVISED -

**JO DAVIESS COUNTY
 LONGHOLLOW ROAD BRIDGE REPLACEMENT
 2013**

**CROSS SECTIONS
 BRODRECHT ROAD**
 SCALE: 1" = 5'-0" SHEET NO. 02 OF 13 SHEETS STA. 101+50.00 TO STA. 102+50.00

TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	59
WHA* 1162D11		CONTRACT NO. 85595		
ILLINOIS FED. AID PROJECT BROS-09810561				



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WILLET HOFMANN & ASSOCIATES INC.
 ENGINEERING, ARCHITECTURE, LAND SURVEYING
 209 EAST 2ND STREET, DUNCAN, IL 62521-0367
 P. 618-234-3381 FAX 618-234-3382

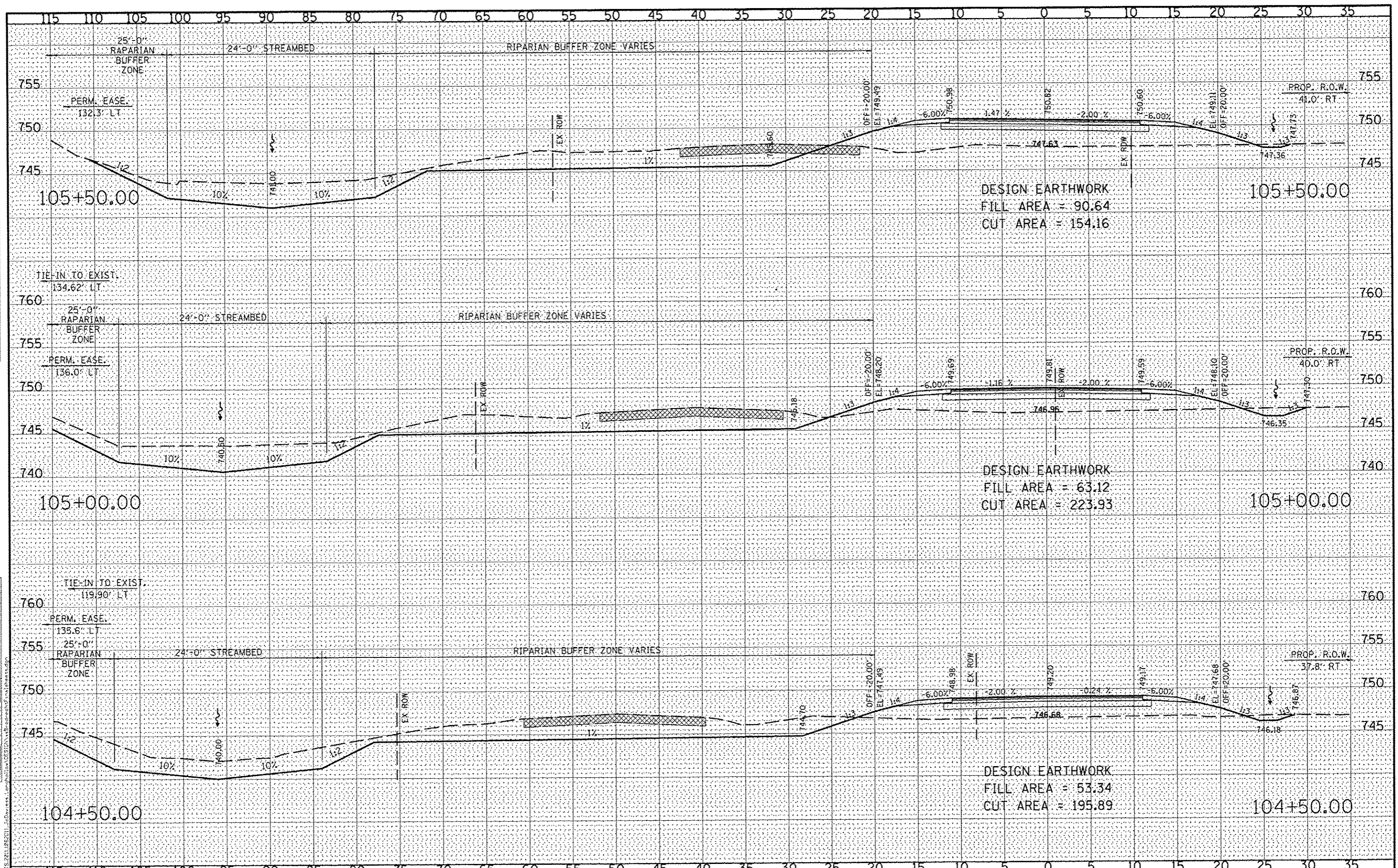
DESIGNED	- J.R.R.	REVISED	-
CHECKED	- G.F.S.	REVISED	-
DRAWN	- D.L.B.	REVISED	-
CHECKED	- G.F.S.	REVISED	-

**JO DAVIESS COUNTY
 LONGHOLLOW ROAD BRIDGE REPLACEMENT
 2013**

**CROSS SECTIONS
 BRODRECHT ROAD**

SCALE: 1" = 5'-0" SHEET NO. 03 OF 13 SHEETS STA. 103+00.00 TO STA. 104+00.00

TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	60
WHA# 1162011			CONTRACT NO. 85595	
ILLINOIS FED. AID PROJECT BRO5-00B5056				



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WILLET HOFMANN & ASSOCIATES INC.
 ENGINEERING ARCHITECTURE LAND SURVEYING
 609 EAST 210 STREET, CHICAGO, IL 60611-0167
 T. 815.254.3381 DESIGN FAX: 1.847.699.1718

DESIGNED - J.R.R.	REVISED -
CHECKED - G.F.S.	REVISED -
DRAWN - D.L.B.	REVISED -
CHECKED - G.F.S.	REVISED -

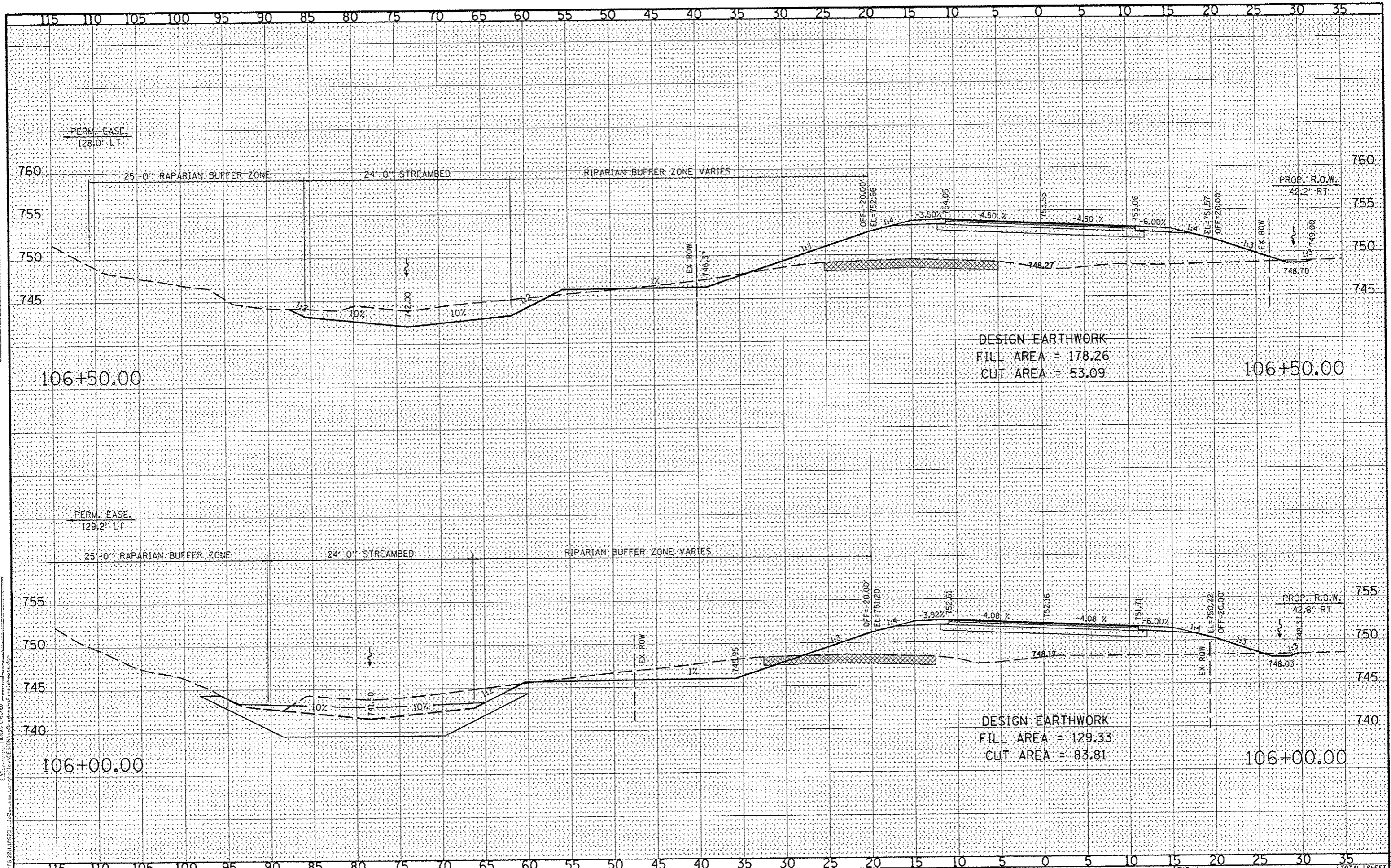
**JO DAVIESS COUNTY
 LONGHOLLOW ROAD BRIDGE REPLACEMENT
 2013**

**CROSS SECTIONS
 BRODRECHT ROAD**
 SCALE: 1" = 5'-0" SHEET NO. 04 OF 13 SHEETS STA. 104+50.00 TO STA. 105+50.00

TWP. RTE. 117	SECTION 11-07115-00-BR	COUNTY JO DAVIESS	TOTAL SHEETS 73	SHEET NO. 61
WHA* 1162011			CONTRACT NO. 85595	
ILLINOIS FED. AID PROJECT BROS-00850561				

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DESIGNED - J.R.R.	REVISED -
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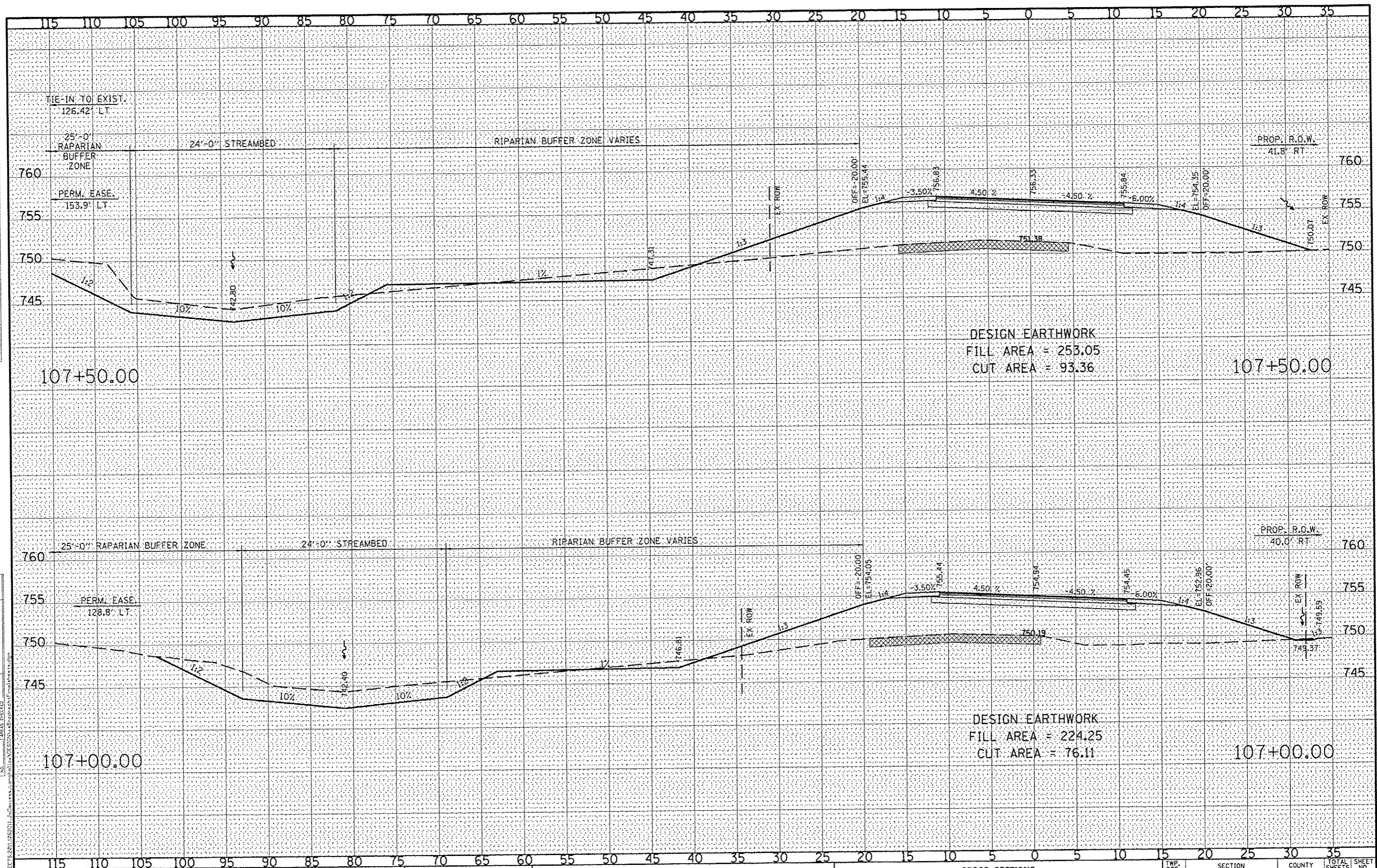
**JO DAVIESS COUNTY
LONGHOLLOW ROAD BRIDGE REPLACEMENT
2013**

**CROSS SECTIONS
BRODRECHT ROAD**
SCALE: 1" = 5'-0" SHEET NO. 05 OF 13 SHEETS STA. 106+00.00 TO STA. 106+50.00

TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	62
WHA 1162011		CONTRACT NO. 85595		
ILLINOIS FED. AID PROJECT BROS-0085056				

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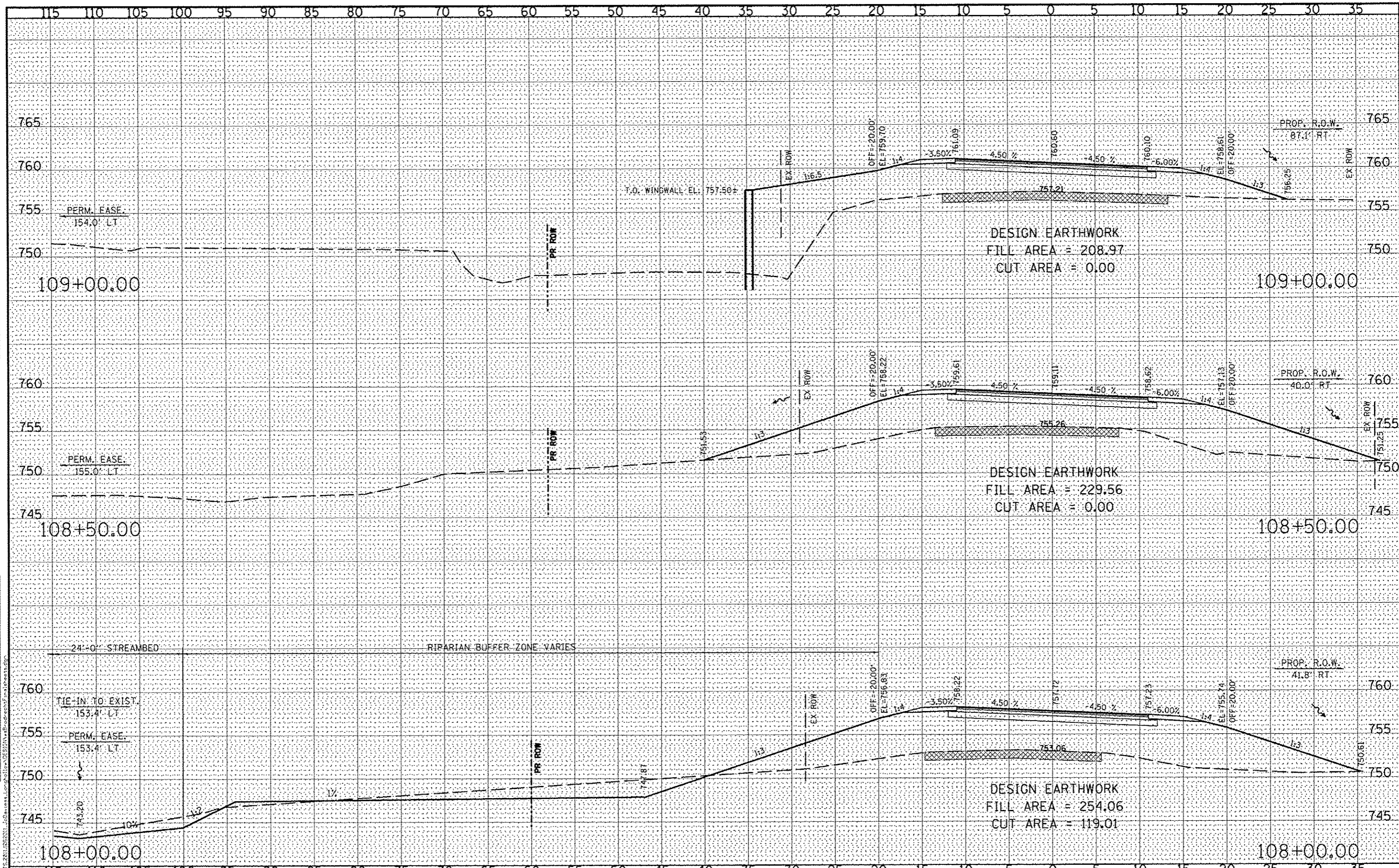
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DESIGNED	- J.R.R.	REVISED	-
CHECKED	- G.F.S.	REVISED	-
DRAWN	- D.L.B.	REVISED	-
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**JO DAVIESS COUNTY
LONGHOLLOW ROAD BRIDGE REPLACEMENT
2013**

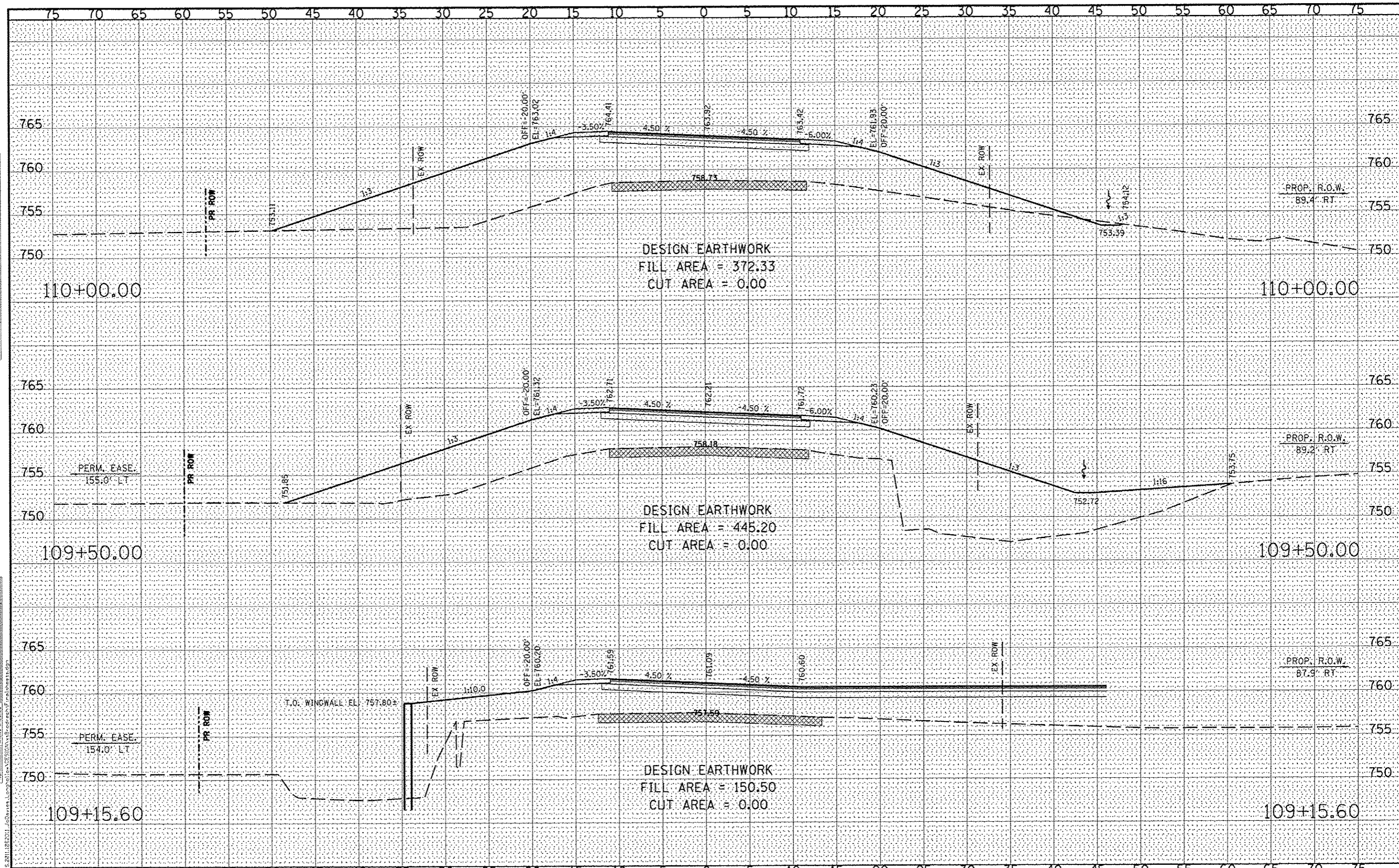
**CROSS SECTIONS
BRODRECHT ROAD**

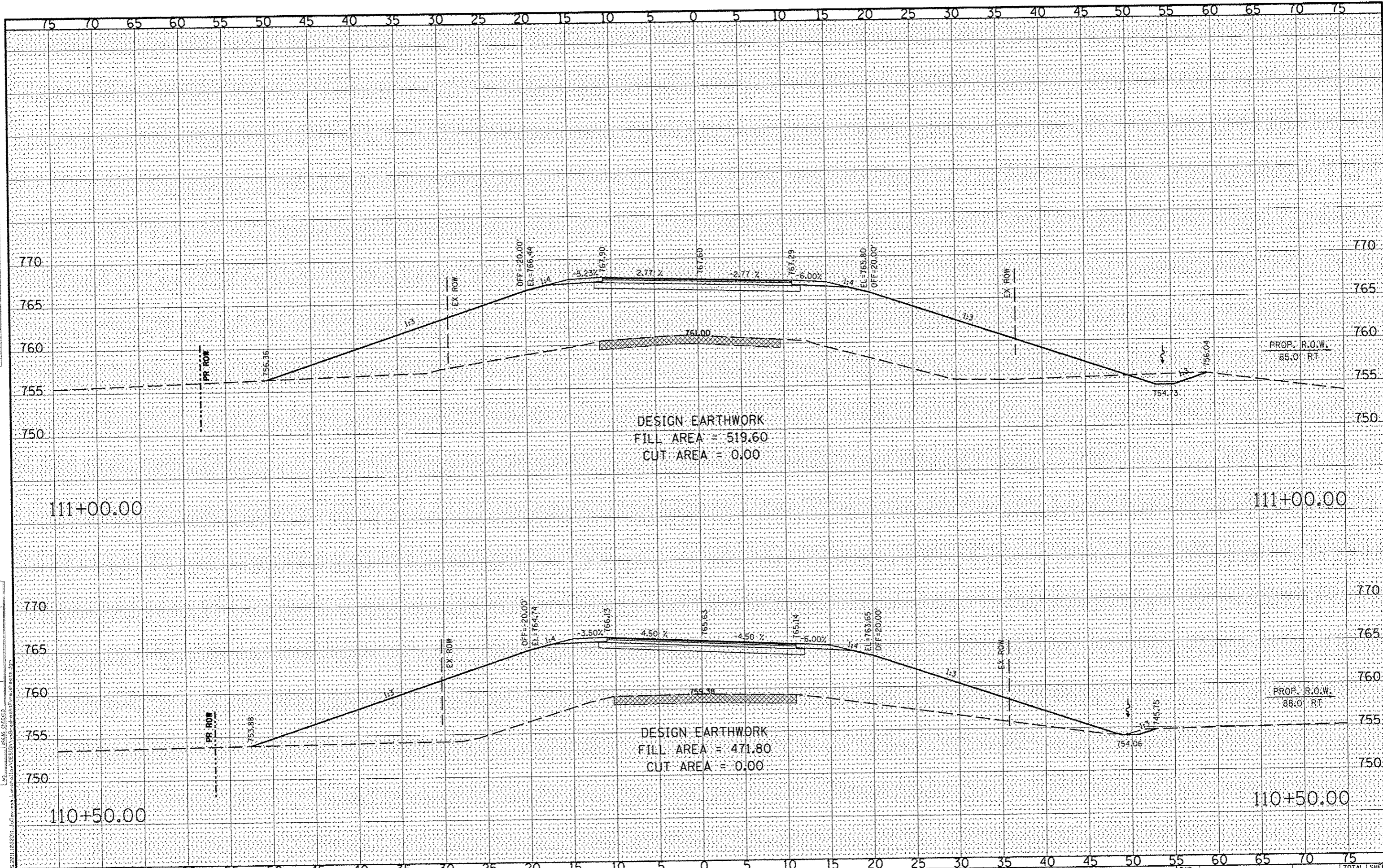
SCALE: 1" = 5'-0" SHEET NO. 07 OF 13 SHEETS STA. 108+00.00 TO STA. 109+00.00

TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	64
WHA# 1162011			CONTRACT NO. 85595	
ILLINOIS FED. AID PROJECT BR05-0085056				

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111+00.00

111+00.00

110+50.00

110+50.00

DESIGN EARTHWORK
FILL AREA = 519.60
CUT AREA = 0.00

DESIGN EARTHWORK
FILL AREA = 471.80
CUT AREA = 0.00



WILLET HOFMANN ASSOCIATES INC.
ENGINEERING ARCHITECTURE LAND SURVEYING
209 EAST 7ND STREET, DIXON, IL 61021-0167
T: 815-234-3181 DESIGN FIRM: #164-020976

DESIGNED	- J.R.R.	REVISED	-
CHECKED	- G.F.S.	REVISED	-
DRAWN	- D.L.B.	REVISED	-
CHECKED	- G.F.S.	REVISED	-

**JO DAVIESS COUNTY
LONGHOLLOW ROAD BRIDGE REPLACEMENT
2013**

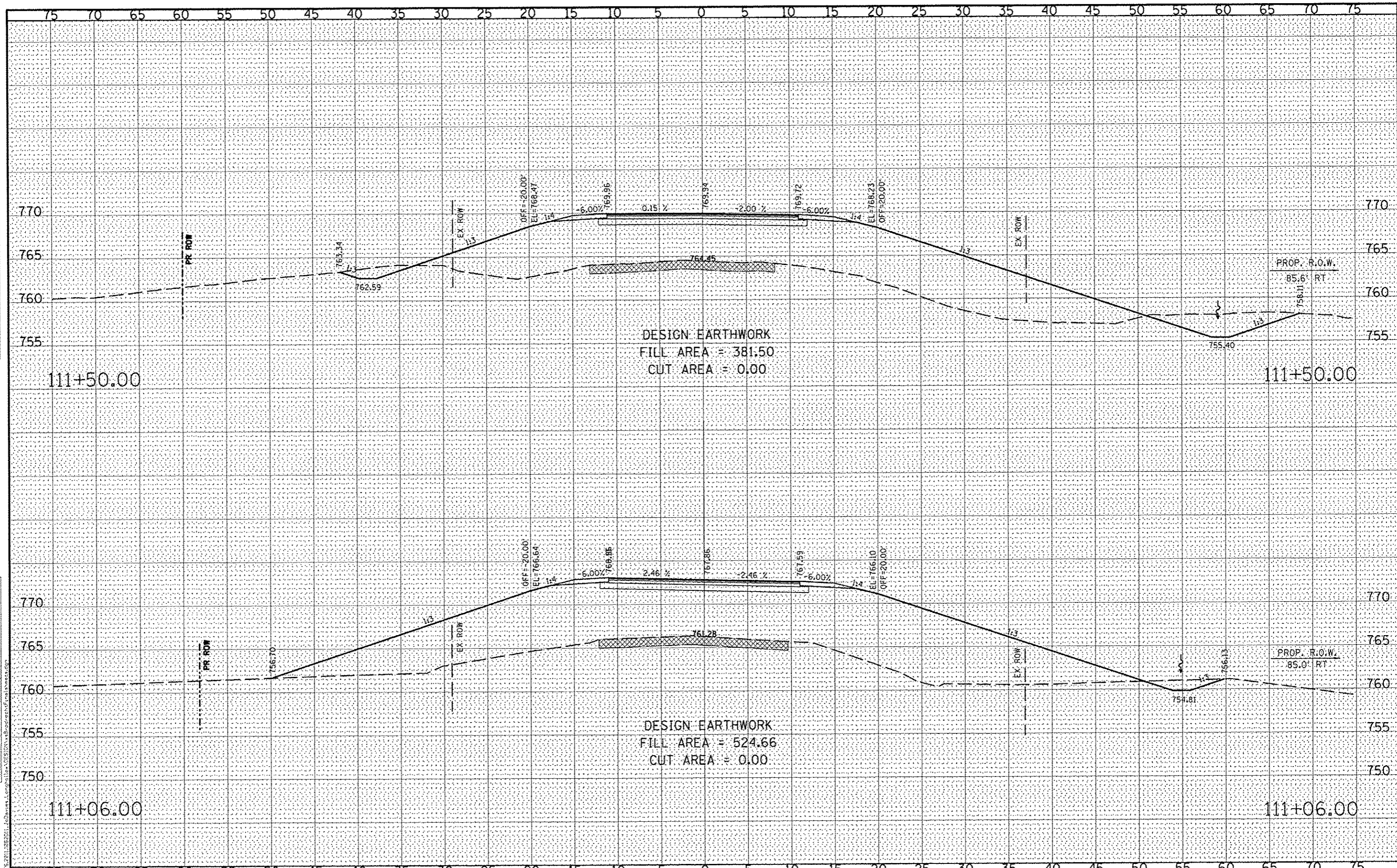
**CROSS SECTIONS
BRODRECHT ROAD**


SCALE: 1" = 5'-0" SHEET NO. 09 OF 13 SHEETS STA. 110+50.00 TO STA. 111+00.00

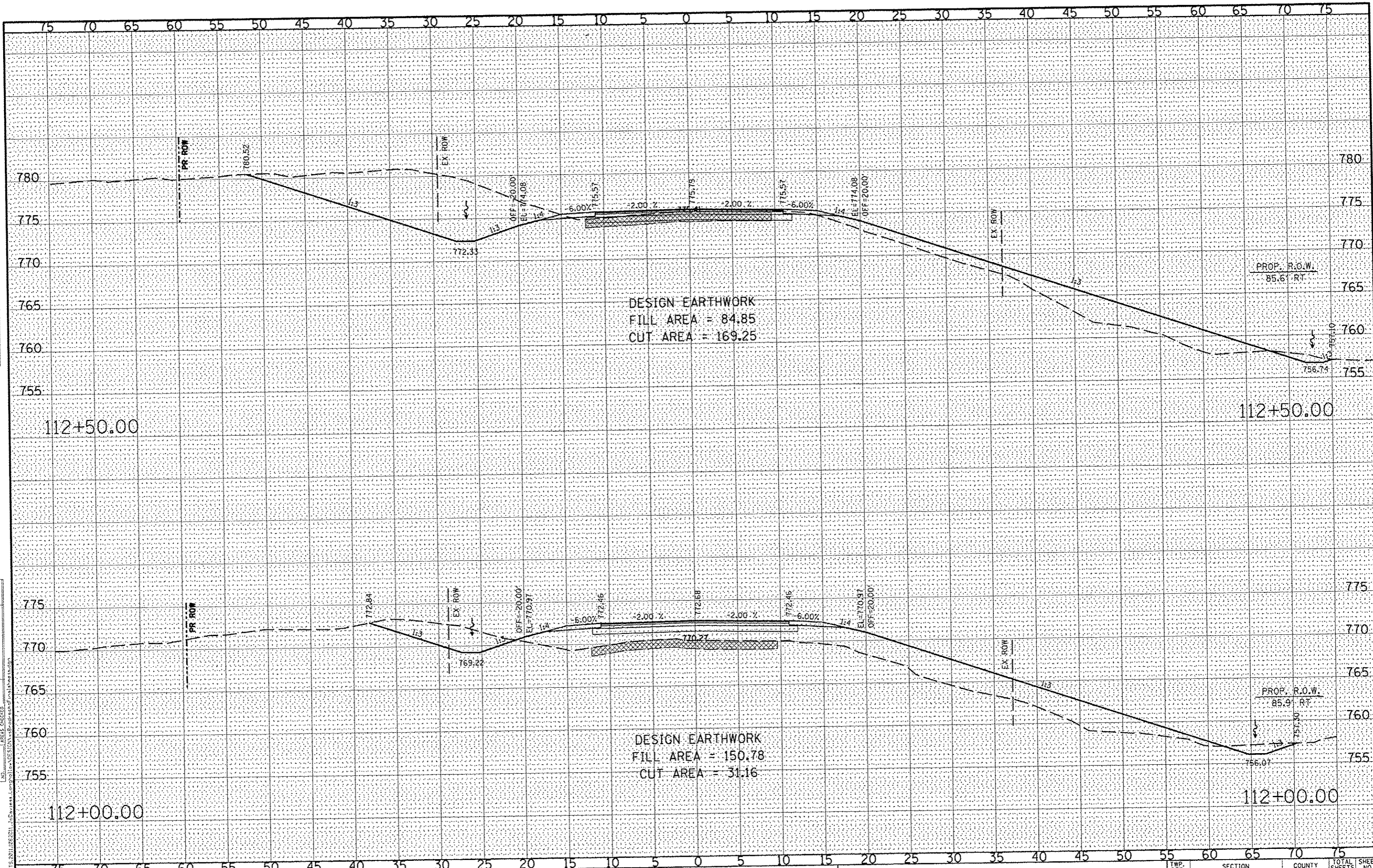
TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	66
WHA* 1162011		CONTRACT NO. 85595		
ILLINOIS FED. AID PROJECT BR05-00850561				

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 WILLET HOFMANN ASSOCIATES INC. <small>ENGINEERING ARCHITECTURE LAND SURVEYING</small> 509 EAST 31st STREET, GROUND, IL 61831-0962 T. 815-294-3383 DESIGN FREQ. 4784-0709/16	DESIGNED - J.R.R.	REVISED -	JO DAVIESS COUNTY LONGHOLLOW ROAD BRIDGE REPLACEMENT 2013	CROSS SECTIONS BRODRECHT ROAD		TWP. RTE. 117	SECTION 11-07115-00-BR	COUNTY JO DAVIESS	TOTAL SHEETS 73	SHEET NO. 67	
	CHECKED - G.F.S.	REVISED -		SCALE: 1" = 5'-0"	SHEET NO. 10 OF 13 SHEETS	STA. 111+06.00 TO STA. 111+50.00	WHA* 1162D11 ILLINOIS FED. AID PROJECT BR05-0081056		CONTRACT NO. 85595		
	DRAWN - D.L.B.	REVISED -									
	CHECKED - G.F.S.	REVISED -									



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REVISIONS	



DESIGNED	- J.R.R.	REVISED	-
CHECKED	- G.F.S.	REVISED	-
DRAWN	- D.L.B.	REVISED	-
CHECKED	- G.F.S.	REVISED	-

**JO DAVIESS COUNTY
LONGHOLLOW ROAD BRIDGE REPLACEMENT
2013**

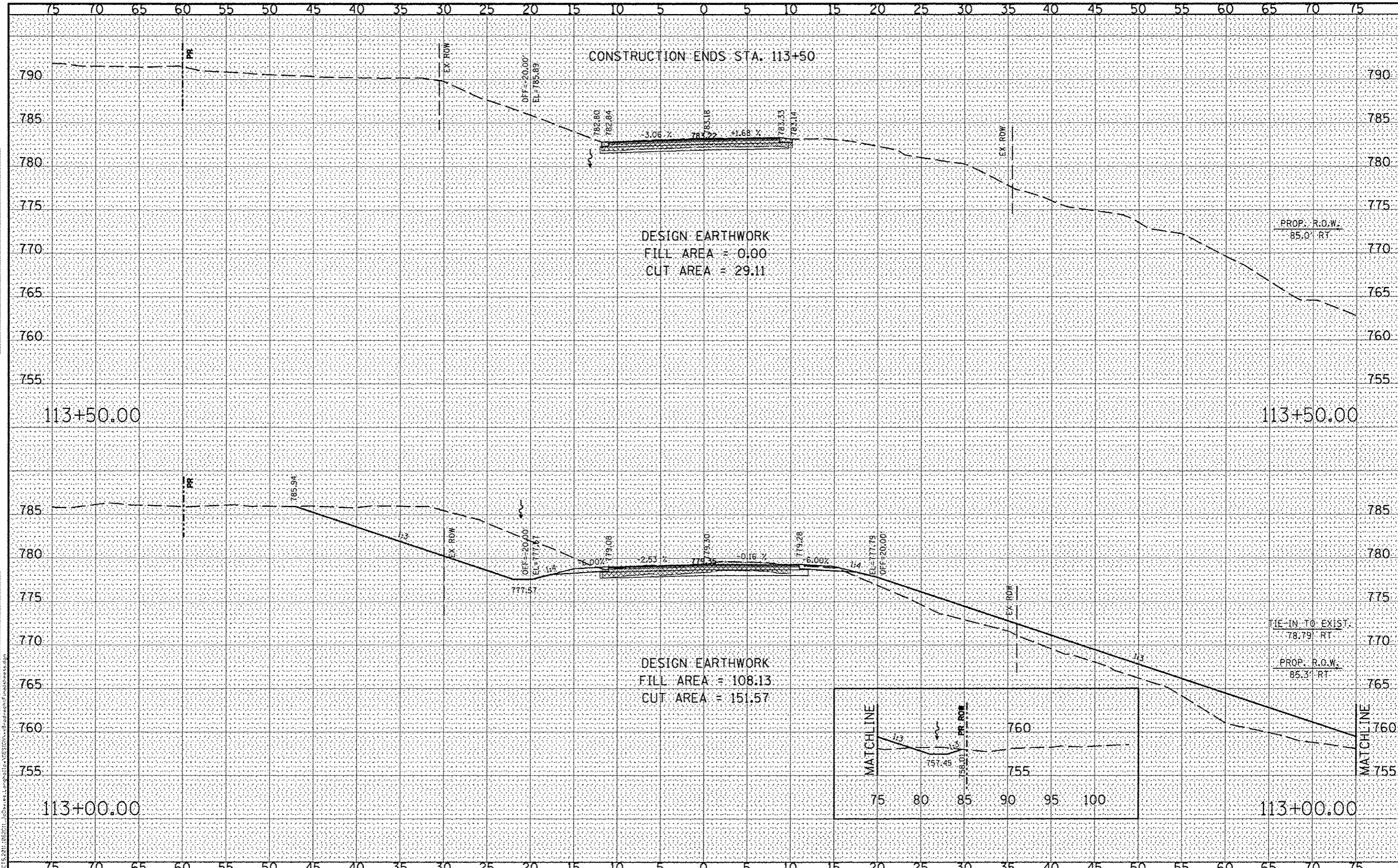
**CROSS SECTIONS
BRODRECHT ROAD**

SCALE: 1" = 5'-0" | SHEET NO. 11 OF 13 SHEETS | STA. 112+00.00 TO STA. 112+50.00

TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	68
WHA* 1162011		CONTRACT NO. 85595		
ILLINOIS FED. AID PROJECT DROS-00850561				

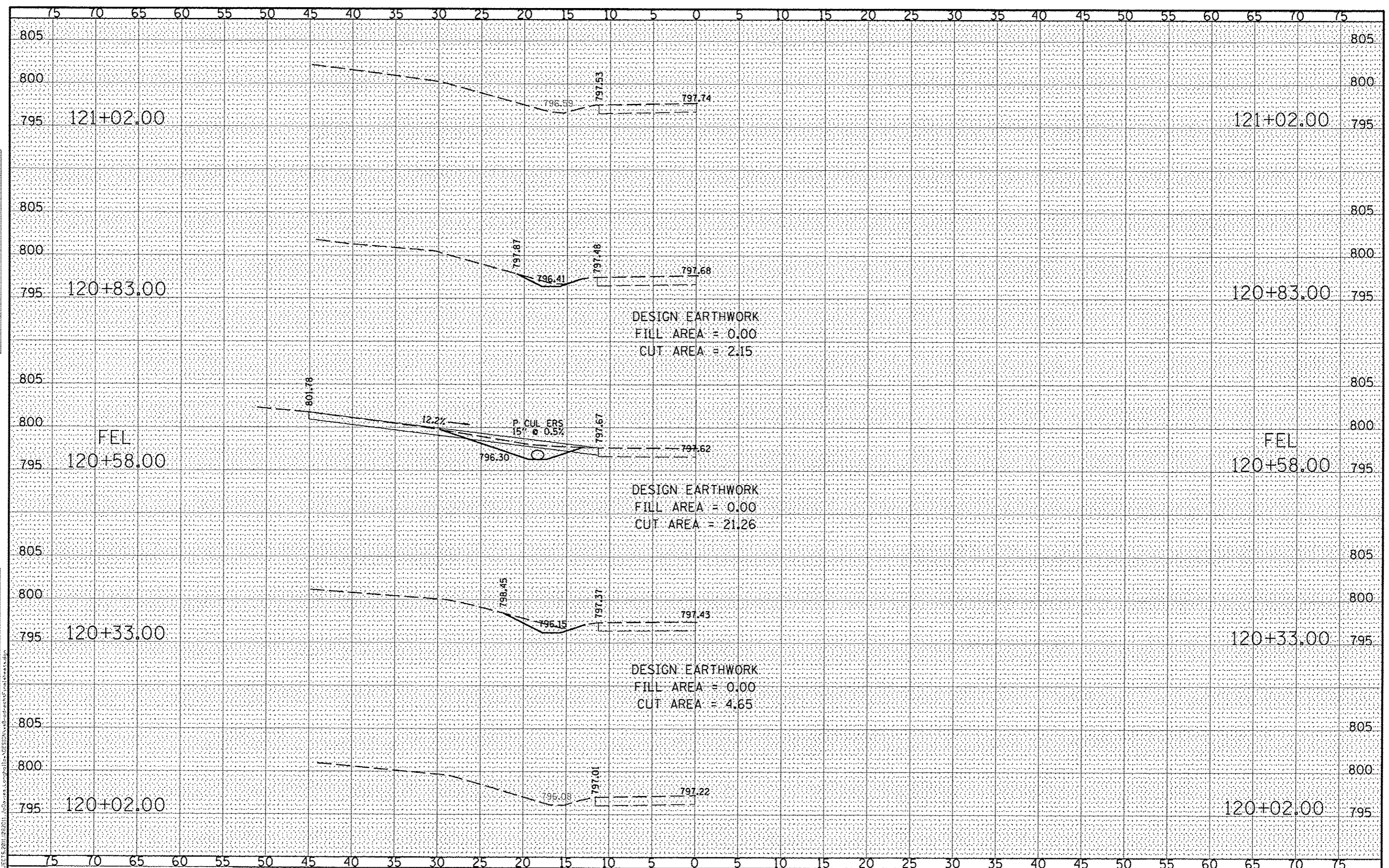
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SCHEMATIC	
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ORIGINAL	
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WILLETT HOFMANN & ASSOCIATES, INC.
 ENGINEERING, ARCHITECTURE, LAND SURVEYING
 609 EAST 2ND STREET, OXFORD, IL 61221-0167
 T-815-234-3381 DESIGN-FIRM #184-0909-8

DESIGNED - J.R.R.	REVISED -
CHECKED - G.F.S.	REVISED -
DRAWN - D.L.B.	REVISED -
CHECKED - G.F.S.	REVISED -

**JO DAVIESS COUNTY
 LONGHOLLOW ROAD BRIDGE REPLACEMENT
 2013**

**CROSS SECTIONS
 BRODRECHT ROAD (FIELD ENTRANCE)**

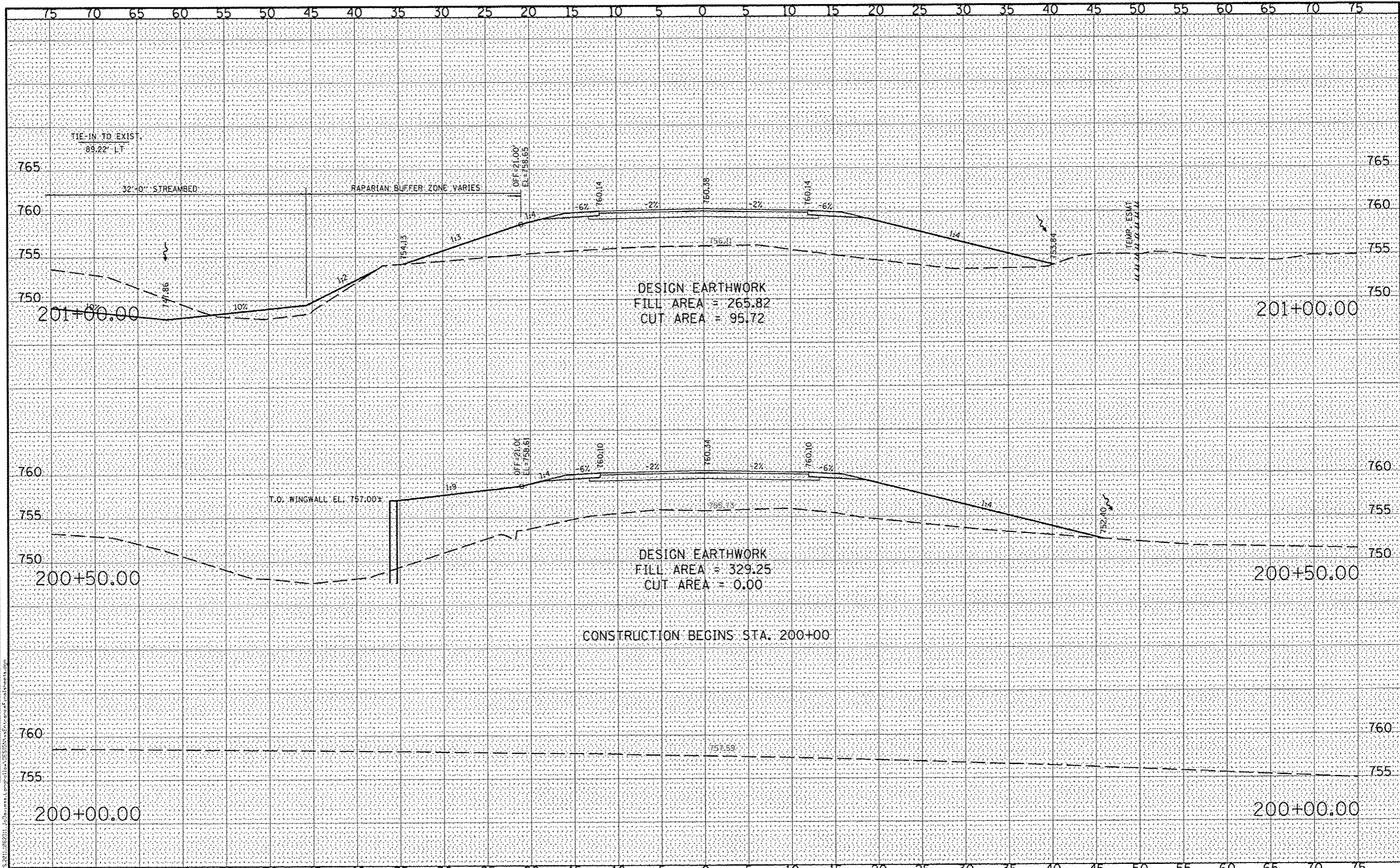
SCALE: 1" = 5'-0" SHEET NO. 13 OF 13 SHEETS STA. 120+02.00 TO STA. 121+02.00

TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	70
WHA* 1162011			CONTRACT NO. 85595	
ILLINOIS FED. AID PROJECT BROS-0083061				

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FILE: S:\PROJECTS\2011\1062011_11\Drawings\Longhollow\Entrance\main\hwa01.dwg



DESIGNED	- J.R.R.	REVISED	-
CHECKED	- G.F.S.	REVISED	-
DRAWN	- D.L.B.	REVISED	-
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**JO DAVIESS COUNTY
 LONGHOLLOW ROAD BRIDGE REPLACEMENT
 2013**

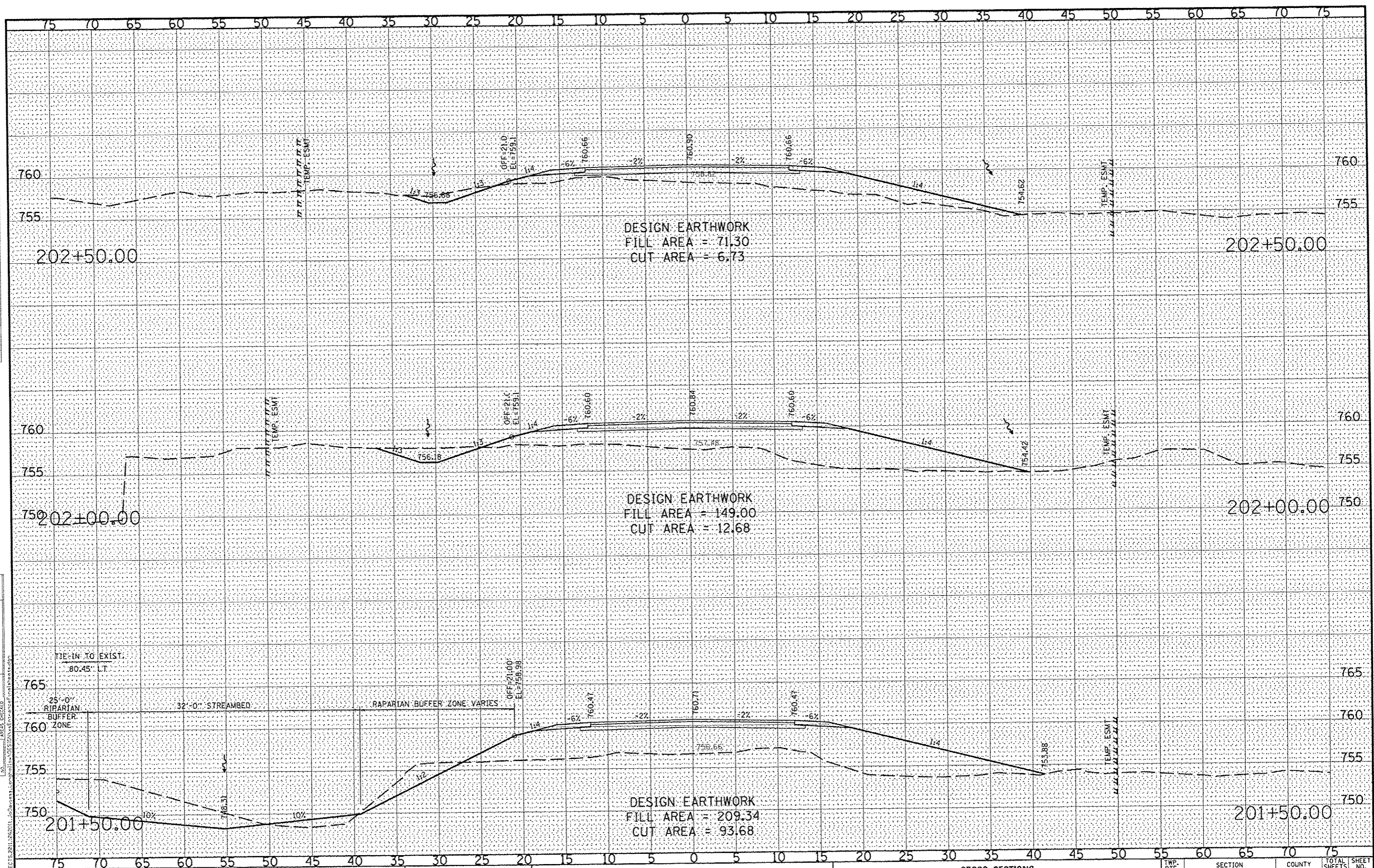
**CROSS SECTIONS
 ENTRANCE ROAD**

SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. 200+00.00 TO STA. 201+00.00

TWP.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	71
WHA# 1062011			CONTRACT NO. 85595	
[ILLINOIS] FED. AID PROJECT BR05-00850561				

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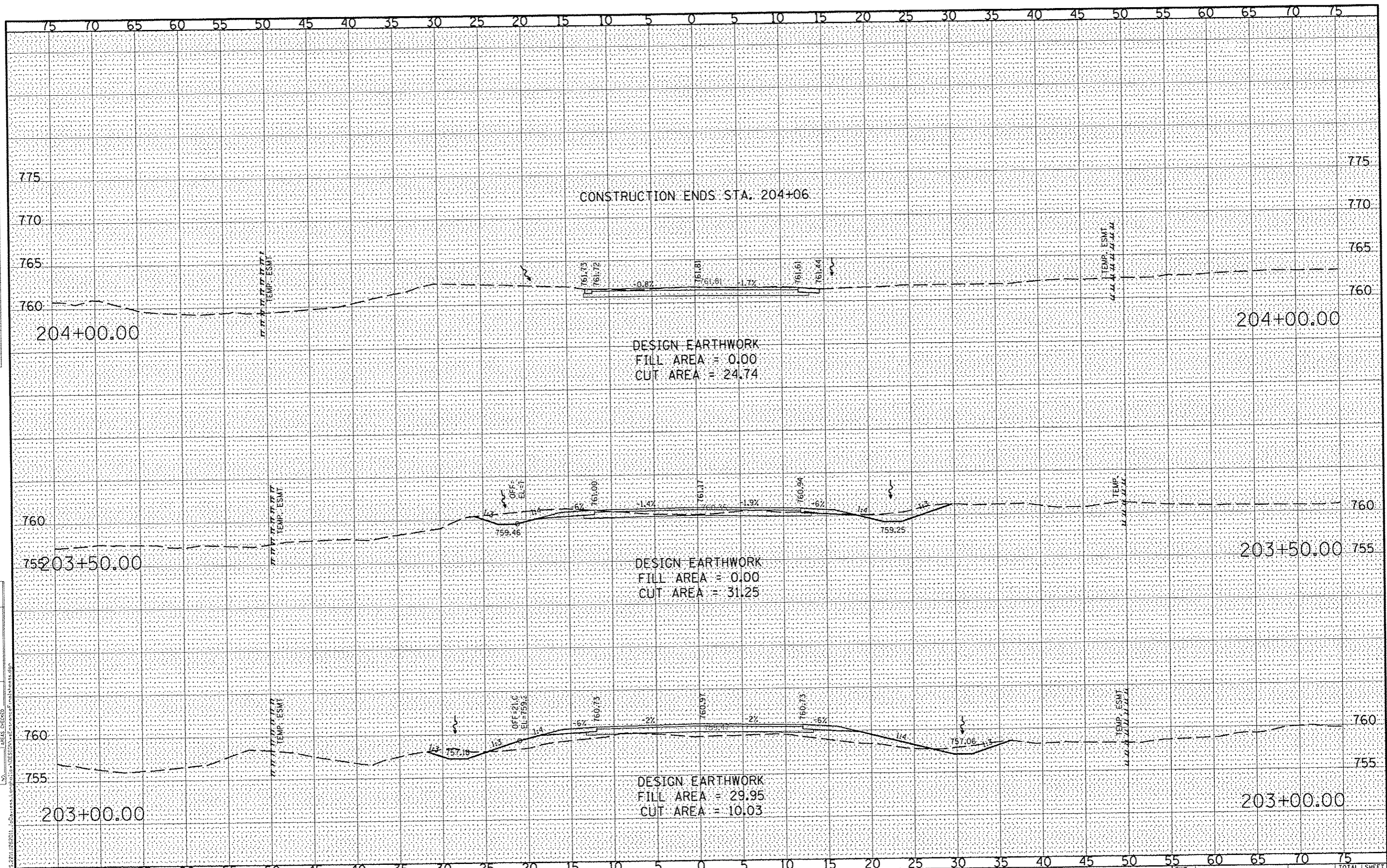
DESIGNED	- J.R.R.	REVISED	-
CHECKED	- G.F.S.	REVISED	-
DRAWN	- D.L.B.	REVISED	-
CHECKED	- G.F.S.	REVISED	-

**JO DAVIESS COUNTY
LONGHOLLOW ROAD BRIDGE REPLACEMENT
2013**

**CROSS SECTIONS
ENTRANCE ROAD**

SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. 201+50.00 TO STA. 202+50.00

TWP. R1E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	72
WHA* 1062011			CONTRACT NO. 85595	
ILLINOIS FED. AID PROJECT BROS-00810561				



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WILLET HOFMANN ASSOCIATES INC.
 ENGINEERING, ARCHITECTURE, LAND SURVEYING
 809 EAST 2ND STREET, OROQUO, FL 33457-0367
 T: 813-291-2151 FAX: 813-291-2151

DESIGNED - J.R.R.	REVISED -
CHECKED - G.F.S.	REVISED -
DRAWN - D.L.B.	REVISED -
CHECKED - G.F.S.	REVISED -

**JO DAVIESS COUNTY
 LONGHOLLOW ROAD BRIDGE REPLACEMENT
 2013**

**CROSS SECTIONS
 ENTRANCE ROAD**

SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. 203+00.00 TO STA. 204+05.00

TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	11-07115-00-BR	JO DAVIESS	73	73
WHA* 1062D11		CONTRACT NO. 85595		
ILLINOIS FED. AID PROJECT GROS-00810561				