

05-24-13 SPECIAL LETTING ITEM 030

FOR INDEX OF SHEETS AND LIST OF
HIGHWAY STANDARDS, SEE SHEET NO. 2
FOR SUMMARY OF QUANTITIES, SEE SHEETS NO. 3 THRU 7

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

FAI ROUTE 74 (I-74)
SECTION MEDIAN CABLE 2013-1
PROJECT HSIP-0074(301)
HIGHWAY SAFETY IMPROVEMENTS
CHAMPAIGN COUNTY
LINDSEY RD. TO WEST OF PROSPECT AVE.
& EAST OF US 45 TO HIGH CROSS ROAD

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	1
		ILLINOIS	CONTRACT NO. 70A00	

D-95-047-12

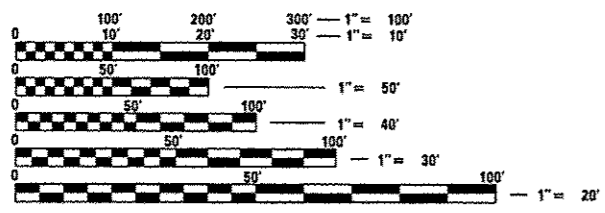


LOCATION OF SECTION INDICATED THUS: - ■ -

**DESIGN DESIGNATION
INTERSTATE**

**CURRENT TRAFFIC DATA
F.A.I. 74
SPEED LIMIT: 65 MPH

ADT = 36,514 (2011)**



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

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811
HENSLEY, CHAMPAIGN, AND URBANA TOWNSHIPS

SURVEY BOOK NUMBER 4950

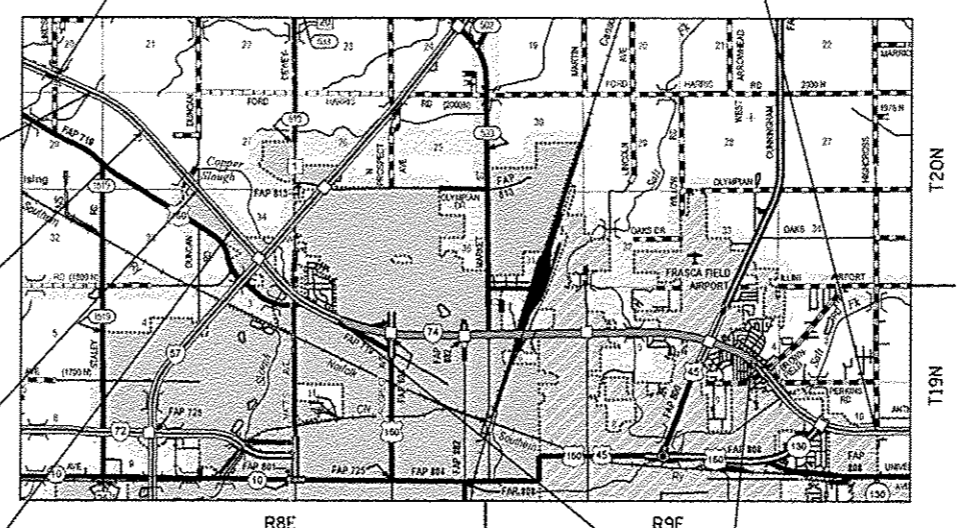
PROJECT ENGINEER: JASON STULTS
CONSULTANT LIAISON: RUSTIN KEYS
DISTRICT 5 PHONE NUMBER: (217) 465-4181

CONTRACT NO. 70A00

C-95-047-12

**BEGIN PROJECT
STA. 1743 + 10.00** **END PROJECT
STA. 430 + 25.00**

- EQUATION**
STA. 1765 + 38.22 BK =
STA. 1765 + 38.85 AH
- EQUATION**
STA. 1800 + 60.87 BK =
STA. 1800 + 61.38 AH
- EQUATION**
STA. 1845 + 92.22 BK =
STA. 1845 + 93.65 AH
- EQUATION**
STA. 1870 + 24.62 BK =
STA. 1035 + 05.17 AH



LOCATION MAP
0 1 MI. 2 MI.
APPROXIMATE SCALE

**PROJECT OMISSION
STA. 1120 + 05.33 TO
STA. 345 + 50.00**

GROSS LENGTH = 52229.32 FT. = 9.89 MILE
NET LENGTH = 29084.45 FT. = 5.51 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
SUBMITTED MARCH 18 2013
Joseph E. Crowe
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
April 26 2013
John D. Baranzelli, P.E.
CHIEF ENGINEER OF DESIGN AND ENVIRONMENT
April 26 2013
Omer Osman, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER



[Signature] 3-8-2013
Signature Date

11/30/13
Expires

McDonough-Whitlow, P.C.
Consulting Engineers & Land Surveyors
9025 Illinois Route 127
P.O. Box A
Taylor Springs, IL 62089
Phone: 217.532.9233
Fax: 217.532.6300
PROFESSIONAL DESIGN No. 104-002754

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COMMITMENTS

NONE

INDEX OF SHEETS

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**LIST OF IDOT
HIGHWAY STANDARDS**

000001-06	STANDARD SYMBOLS, ABBREVIATIONS & PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
202001-01	EARTH MEDIAN DITCH CHECK
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
542531-04	INLET BOX TYPE 24 G
542546-01	FLUSH INLET BOX FOR MEDIAN
542401-01	METAL END SECTION FOR PIPE CULVERTS
601001-04	SUB-SURFACE DRAINS
601101-01	CONCRETE HEADWALL FOR PIPE DRAIN
602401-03	MANHOLE TYPE A
602601-02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
604001-03	FRAME AND LIDS TYPE 1
630001-10	STEEL PLATE BEAM GUARDRAIL
630301-06	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-09	TRAFFIC BARRIER TERMINAL, TYPE 2
631031-11	TRAFFIC BARRIER TERMINAL, TYPE 6
667101-02	PERMANENT SURVEY MARKERS
701101-03	OFF-RD OPERATIONS, MULTILANE, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701400-06	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701406-06	LANE CLOSURE FREEWAY/EXPRESSWAY DAY OPERATIONS ONLY
701901-02	TRAFFIC CONTROL DEVICES

GENERAL NOTES

G.N.-100
ENGLISH UNITS OF MEASUREMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.

G.N.-100A
ELECTRONIC FILES AND/OR ELECTRONIC SURVEY INFORMATION INCLUDING CADD FILES WILL NOT BE AVAILABLE TO THE CONTRACTOR.

G.N.-105.07
EXISTING STATE-OWNED AND MAINTAINED UTILITY LINES ARE SHOWN ON THE PLANS TO INDICATE THEIR PRESENCE AND APPROXIMATE LOCATION. THE CONTRACTOR SHALL NOTIFY THE DISTRICT OPERATIONS ENGINEER TWO WEEKS PRIOR TO COMMENCING ANY EXCAVATION IN THE VICINITY OF THESE LINES. THE STATE WILL THEN LOCATE AND MARK THE HORIZONTAL LOCATIONS OF THE LINES AND PROVIDE ANY AVAILABLE INFORMATION AS TO THEIR DEPTH. SHOULD ANY OF THE LINES BE DAMAGED BY THE CONTRACTOR'S OPERATION, THE CONTRACTOR SHALL REPAIR THEM TO THE SATISFACTION OF THE ENGINEER AND AT NO COST TO THE STATE.

ALSO THERE MAY BE UTILITIES PRESENT WHICH WERE INSTALLED BY THE STATE BUT ARE MAINTAINED BY OTHERS (CITY, TOWN, ETC.) THE APPROXIMATE LOCATIONS OF THESE LINES ARE ALSO SHOWN ON THE PLANS ALONG WITH THE NAME OF THE MAINTAINING AGENCY. THE CONTRACTOR SHALL COORDINATE THE LOCATING OF THESE LINES WITH THE LOCAL AGENCY PRIOR TO COMMENCING ANY EXCAVATION OR BORING IN THEIR VICINITY. SHOULD THESE LINES BE DAMAGED BY THE CONTRACTOR'S OPERATIONS, THE CONTRACTOR SHALL REPAIR THEM TO THE SATISFACTION OF, AND AT NO COST TO, THE LOCAL AGENCY AND THE STATE.

G.N.-105.09A
ALL ELEVATIONS SHOWN IN THE PLANS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988. (NAVD 88)

G.N.-280
TEMPORARY EROSION CONTROL SEEDING IS INCLUDED IN THIS CONTRACT TO SEED DISTURBED EARTH DURING TIME PERIODS WHEN PERMANENT SEEDING IS NOT ALLOWED. SOME OR ALL OF THE TEMPORARY EROSION CONTROL SEEDING WILL BE DELETED IF IT IS POSSIBLE TO PLACE PERMANENT SEEDING ON EARTH AT THE TIME OF THEIR COMPLETION.

G.N.-406H
MIXTURE REQUIREMENTS
THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

LOCATION(S):	I-74
MIXTURE USE(S):	MOW STRIP, INCIDENTAL SURFACING
AC/PG:	PG 64-22
RAP %: (MAX)**	SEE RAP/RAS BOE SPECIAL PROVISION
DESIGN AIR VOIDS:	4.0% @ N _{DES} = 30
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 9.5L
FRICTION AGGREGATE:	MIX "C"

G.N.-542
BEFORE ORDERING PIPE CULVERTS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR THE EXACT LENGTHS.

G.N. 542 SPECIAL
CULVERT INVERTS TAKEN FROM TOPOGRAPHIC SURVEY. SOME INVERTS DO NOT MATCH RECORD DOCUMENT FLOW DIRECTION DUE TO SILTING OF CULVERTS.

G.N.-550
BEFORE ORDERING STORM SEWERS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR THE EXACT LENGTHS.

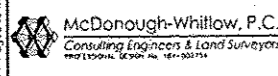
G.N.-551
EXISTING STORM SEWERS SHALL BE REMOVED IN ACCORDANCE WITH SECTION 551 OF THE STANDARD SPECIFICATIONS EXCEPT THAT THE CONTRACTOR WILL NOT BE REQUIRED TO SALVAGE ANY EXISTING SEWER PIPE.

G.N.-667
THE RESIDENT ENGINEER SHALL CONTACT THE PROGRAM DEVELOPMENT CHIEF OF SURVEYS PRIOR TO THE PRE-CONSTRUCTION CONFERENCE FOR INSTRUCTION AS TO SETTING OF TEMPORARY OR PERMANENT TIES FOR CENTERLINE ALIGNMENT CONTROL SURVEY MARKERS (PC'S, PT'S, AND PI'S). PROJECT IMPLEMENTATION PERSONNEL WILL BE RESPONSIBLE FOR LAYOUT OF THESE MARKERS.

G.N.-1004.01
COARSE AGGREGATE GRADATION CA-10 MAY BE USED WHENEVER COARSE AGGREGATE CA-6 IS SPECIFIED IN THE STANDARD SPECIFICATIONS.

G.N.-X032 SPECIAL
MANUFACTURER'S SPECIFICATIONS FOR THE HTC MEDIAN BARRIER SHALL BE IN COMPLIANCE WITH LINES AND GRADES SHOWN ON THE PLANS. LINE POST FOUNDATIONS SHALL BE A MINIMUM DEPTH OF 42" AND SHALL BE IN COMPLIANCE WITH MANUFACTURER'S SPECIFICATIONS FOR THE SOIL STRENGTH BASED ON SOIL BORINGS. IN ADDITION, THE HTC MEDIAN BARRIER TERMINALS SHALL BE IN COMPLIANCE WITH THE MANUFACTURER'S SPECIFICATIONS FOR THE SOIL STRENGTH BASED ON PLAN SOIL BORINGS. POSTS SHALL BE PLACED ON CENTERS BASED ON THE MANUFACTURER'S RECOMMENDATIONS TO ACHIEVE A DEFLECTION NOT GREATER THAN 9.2 FEET. FOR QUANTITIES, SEE THE SCHEDULE ON PAGE 9. REFLECTIVE CAPS SHALL BE PLACED ON THE POSTS AT THE SAME SPACING AS RAISED REFLECTIVE MARKERS ON THE ADJACENT PAVEMENT. REFLECTIVE CAPS SHALL NOT BE MEASURED FOR PAYMENT AND SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER FOOT FOR "HIGH TENSION CABLE MEDIAN BARRIER". ALL HTC HARDWARE ON THIS PROJECT SHALL MEET TEST LEVEL-4.

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USER NAME: Richard Henke	DESIGNED - JAH	REVISED -
	DRAWN - RNH	REVISED -
PLOT SCALE: 8/1667' = 1"	CHECKED - TMM	REVISED -
PLOT DATE: 3/7/2013	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES, INDEX OF SHEETS, AND HIGHWAY STANDARDS			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	2
CONTRACT NO. 70A00				
[ILLINOIS] FED. AID PROJECT				

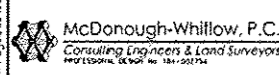
SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	TOTAL QUANTITY	TOTAL QUANTITY
				I-74 RURAL HSIP 90% FEDERAL 10% STATE 0021	I-74 URBAN HSIP 90% FEDERAL 10% STATE 0021
20200100	EARTH EXCAVATION	CU YD	2525	515	2010
20400800	FURNISHED EXCAVATION	CU YD	19365	8330	11035
* 25000210	SEEDING, CLASS 2A	ACRE	15.25	5.25	10
* 25000350	SEEDING, CLASS 7	ACRE	15.25	5.25	10
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	1377	473	904
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	1377	473	904
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	1377	473	904
* 25100115	MULCH, METHOD 2	ACRE	15.25	5.25	10
* 25100630	EROSION CONTROL BLANKET	SQ YD	1569	36	1533
28000305	TEMPORARY DITCH CHECKS	FOOT	5786	2255	3531
28000500	INLET AND PIPE PROTECTION	EACH	28	5	23
28100201	STONE RIPRAP, CLASS A1	TON	135	19	116
44004000	PAVED DITCH REMOVAL	FOOT	1420	0	1420
48101200	AGGREGATE SHOULDERS, TYPE B	TON	6210	1963	4247

14

* SPECIALTY ITEM

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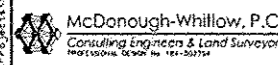
 McDonough-Whitlow, P.C. Consulting Engineers & Land Surveyors PROFESSIONAL CORP. No. 181-202754	USER NAME = rhh	DESIGNED - JAH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE =	DRAWN - RNH	REVISIONS -		SCALE: NONE	SHEET 1	OF 5 SHEETS	STA.	TO STA.	74	MEDIAN CABLE 2013-1	CHAMPAIGN
PLOT DATE =	CHECKED - TMM	DATE -	REVISIONS -							CONTRACT NO. 70A00 [ILLINOIS] FED. AID PROJECT		

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	TOTAL QUANTITY I-74 RURAL HSIP 90% FEDERAL 10% STATE 0021	TOTAL QUANTITY I-74 URBAN HSIP 90% FEDERAL 10% STATE 0021
50104400	CONCRETE HEADWALL REMOVAL	EACH	86	20	66
54215547	METAL END SECTIONS 12"	EACH	1	0	1
54244405	FLUSH INLET BOX FOR MEDIAN, STANDARD 542546	EACH	22	4	18
54246405	INLET BOX, STANDARD 542531	EACH	4	0	4
54248510	CONCRETE COLLAR	CU YD	15.5	4.1	11.4
54260217	PIPE CULVERTS, CLASS C, TYPE 1 12"	FOOT	110	0	110
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	20	0	20
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	5	0	5
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	262	0	262
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	504	47	457
550A0160	STORM SEWERS, CLASS A, TYPE 1 36"	FOOT	21	17	4
550A0190	STORM SEWERS, CLASS A, TYPE 1 48"	FOOT	10	0	10
55100500	STORM SEWER REMOVAL 12"	FOOT	395	0	395
55100700	STORM SEWER REMOVAL 15"	FOOT	5	0	5

• SPECIALTY ITEM

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 McDonough-Whillow, P.C. Consulting Engineers & Land Surveyors PROFESSIONAL LICENSE NO. 121-50754	USER NAME * RNH	DESIGNED - JAH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES SCALE: NONE SHEET 2 OF 5 SHEETS STA. TO STA.			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE *	DRAWN - RNH	REVISED -					74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	4
PLOT DATE *	CHECKED - TMH	REVISED -	REVISED -	CONTRACT NO. 70A00 ILLINOIS FED. AID PROJECT								

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	TOTAL QUANTITY	
				I-74 RURAL HSIP 90% FEDERAL 10% STATE 0021	I-74 URBAN HSIP 90% FEDERAL 10% STATE 0021
55100900	STORM SEWER REMOVAL 18"	FOOT	5	0	5
55101200	STORM SEWER REMOVAL 24"	FOOT	37	0	37
55101600	STORM SEWER REMOVAL 36"	FOOT	41	32	9
55101900	STORM SEWER REMOVAL 48"	FOOT	22	0	22
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	47	7	40
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	732	212	520
60221100	MANHOLES, TYPE A, 5' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4	3	1
60223800	MANHOLES, TYPE A, 6' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	0	2
60262700	INLETS TO BE RECONSTRUCTED	EACH	1	1	0
60500050	REMOVING CATCH BASINS	EACH	1	0	1
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	2238	0	2238
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	5	0	5
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	6	0	6
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	10	0	10

141 * SPECIALTY ITEM



USER NAME - RNH	DESIGNED - JAH	REVISED -
PLLOT SCALE -	DRAWN - RNH	REVISED -
PLLOT DATE -	CHECKED - TMM	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 3 OF 5 SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	5
				CONTRACT NO. 70A00
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	TOTAL QUANTITY I-74 RURAL HSIP 90% FEDERAL 10% STATE 0021	TOTAL QUANTITY I-74 URBAN HSIP 90% FEDERAL 10% STATE 0021
63200310	GUARDRAIL REMOVAL	FOOT	3052	0	3052
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	15	7.5	7.5
67100100	MOBILIZATION	L SUM	1	0.5	0.5
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1	0.5	0.5
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	24	12	12
X0322936	REMOVE EXISTING FLARED END SECTION	EACH	6	0	6
X0323265	REMOVE EXISTING RIPRAP	SQ YD	16	0	16
X0323583	SPEED INDICATOR SIGN	CAL DA	610	305	305
•• X0325667	WEED CONTROL MOWING STRIP (SPECIAL)	SQ YD	12483	2864	9619
X0484300	MEDIAN INLET BOX REMOVAL	EACH	18	4	14
X6024240	INLETS, SPECIAL	EACH	1	0	1
X6340205	GUARD POSTS REMOVAL	EACH	21	10	11
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	28	14	14
XZ193300	SURVEY MARKER, TYPE 1 (SPECIAL)	EACH	23	6	17

14 • SPECIALTY ITEM •• NON-PART (100% STATE)

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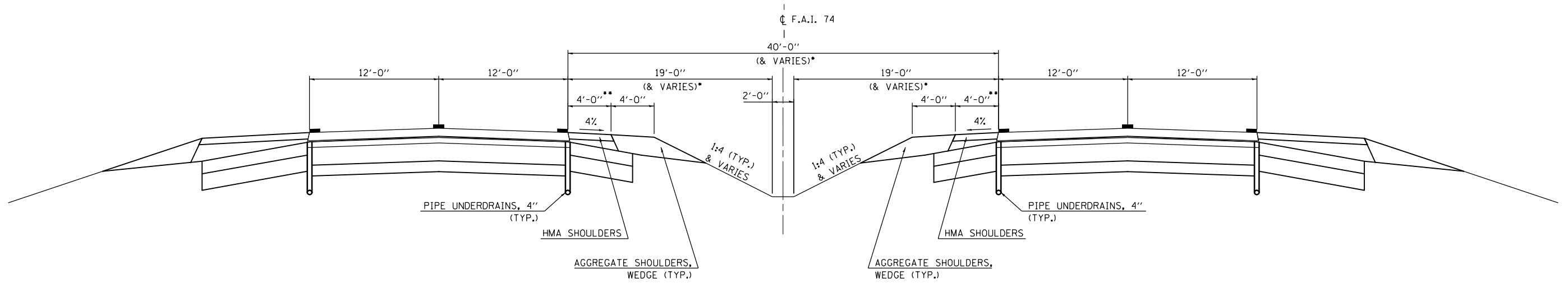
<p>McDonough-Whillow, P.C. Consulting Engineers & Land Surveyors Professional Seal No. 184-00754</p>	USER NAME : RRH	DESIGNED - JAH	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.I. RTE. : 74	SECTION : MEDIAN CABLE 2013-1	COUNTY : CHAMPAIGN	TOTAL SHEETS : 119	SHEET NO. : 6	
	PLOT SCALE :	DRAWN - RNH	REVISED - _____		SCALE: NONE	SHEET 4	OF 5	SHEETS	STA. _____	TO STA. _____	ILLINOIS FED. AID PROJECT		
	PLOT DATE :	CHECKED - TMM	REVISED - _____		CONTRACT NO. 70A00								

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	TOTAL QUANTITY	TOTAL QUANTITY
				I-74 RURAL HSIP 90% FEDERAL 10% STATE 0021	I-74 URBAN HSIP 90% FEDERAL 10% STATE 0021
Z0029652	HIGH TENSION CABLE MEDIAN BARRIER	FOOT	26969	6294	20675
Z0029653	HIGH TENSION CABLE MEDIAN BARRIER DEMONSTRATION	EACH	1	0.5	0.5
Z0029654	HIGH TENSION CABLE MEDIAN BARRIER TERMINALS	EACH	22	3	19
Z0076870	UNDERDRAIN CONNECTION TO STRUCTURE	EACH	25	4	21

4 * SPECIALTY ITEM

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EXISTING TYPICAL CROSS SECTION

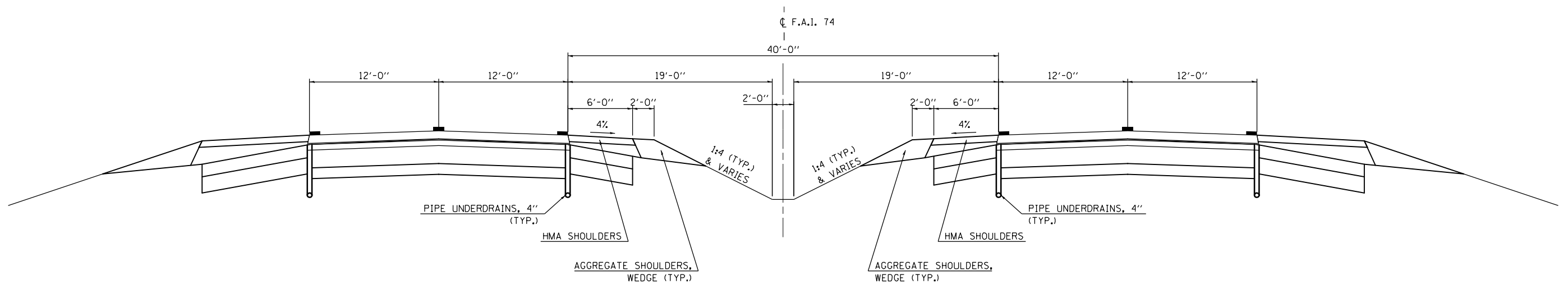
F.A.I. ROUTE 74

STA. 1743+10.00 TO STA. 1036+75.00

NOTE: EXISTING SUPERELEVATION NOT SHOWN FOR ROADWAY.

- MEDIAN WIDTH VARIES 70' TO 40' STA. 1743+10± TO STA. 1800+60.87±
- EXISTING SHOULDER WIDTH TRANSITIONS FROM 4' TO 6' STA. 1035+05.17 TO STA. 1036+75.00.

STATION EQUATIONS:
 STA. 1765+38.22 BK = STA. 1765+38.85 AH
 STA. 1800+60.87 BK = STA. 1800+61.38 AH
 STA. 1845+92.22 BK = STA. 1845+93.65 AH
 STA. 1870+24.62 BK = STA. 1035+05.17 AH



EXISTING TYPICAL CROSS SECTION

F.A.I. ROUTE 74

STA. 1036+75.00 TO STA. 1114+00.00
 STA. 345+50.00 TO STA. 430+25.00

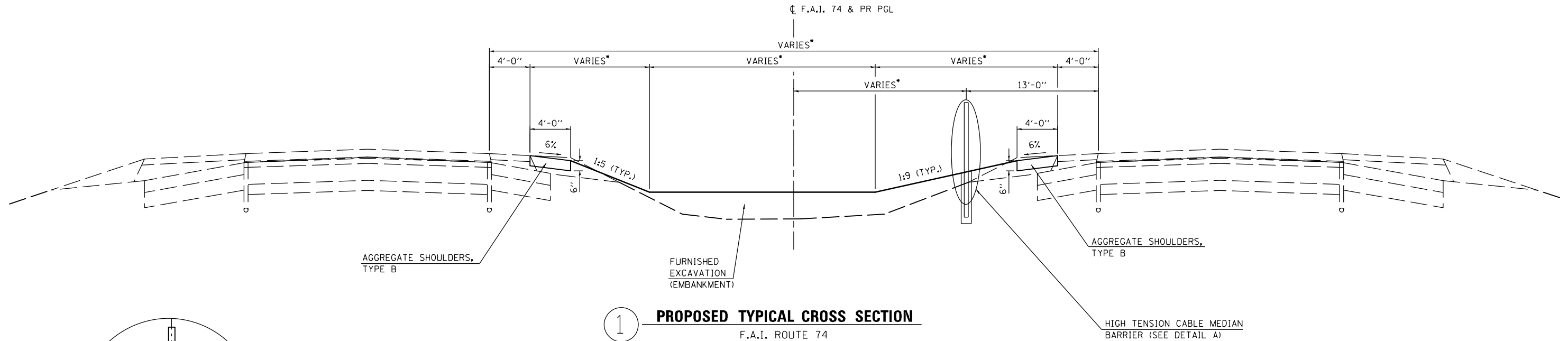
NOTE: EXISTING SUPERELEVATION NOT SHOWN FOR ROADWAY.

PROJECT OMISSION:
 STA. 1114+00.00 TO STA. 345+50.00

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USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
DRAWN - RNH	REVISED -	
PLOT SCALE = 10.0000' / in.	CHECKED - TMM	REVISED -
PLOT DATE = 3/7/2013	DATE -	REVISED -

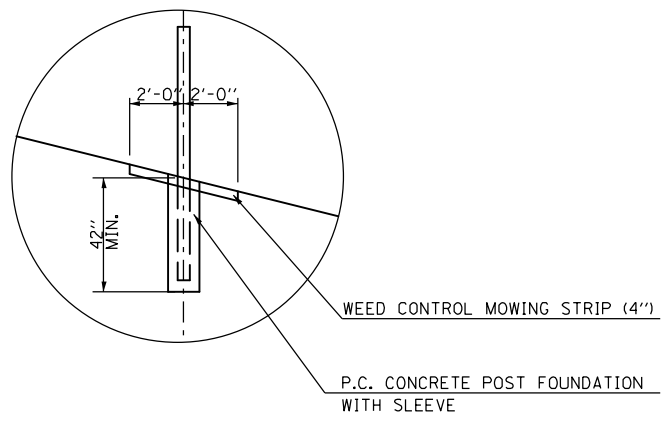
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	8
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	



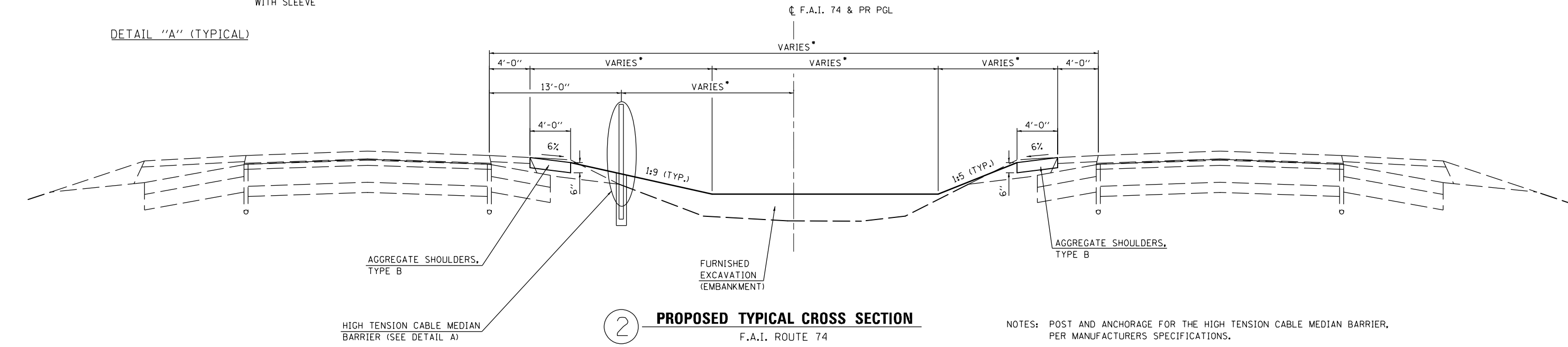
① **PROPOSED TYPICAL CROSS SECTION**
F.A.I. ROUTE 74

STA. 1743+10.00 TO STA. 1767+15.00 ②

- NOTES: POST AND ANCHORAGE FOR THE HIGH TENSION CABLE MEDIAN BARRIER, PER MANUFACTURERS SPECIFICATIONS.
- TRANSITION BOTTOM DITCH CROSS SLOPE FROM 0% TO 1% BEGINNING 25'± FROM INLETS TO PROMOTE DRAINAGE INTO INLET.
- MEDIAN WIDTH VARIES 70' TO 40' STA. 1743+10± TO STA. 1800+60.87±
- STATION EQUATIONS:
STA. 1765+38.22 BK = STA. 1765+38.85 AH



DETAIL "A" (TYPICAL)



② **PROPOSED TYPICAL CROSS SECTION**
F.A.I. ROUTE 74

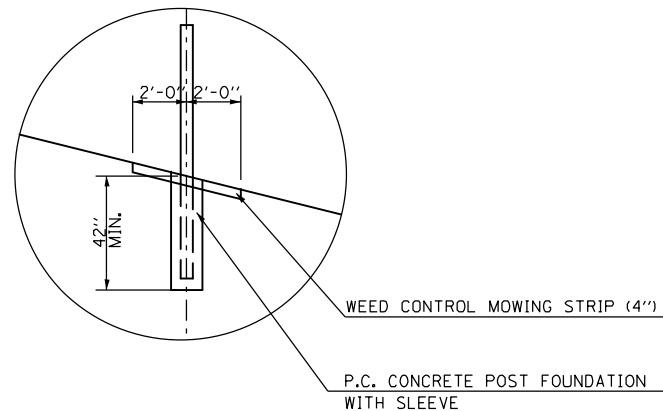
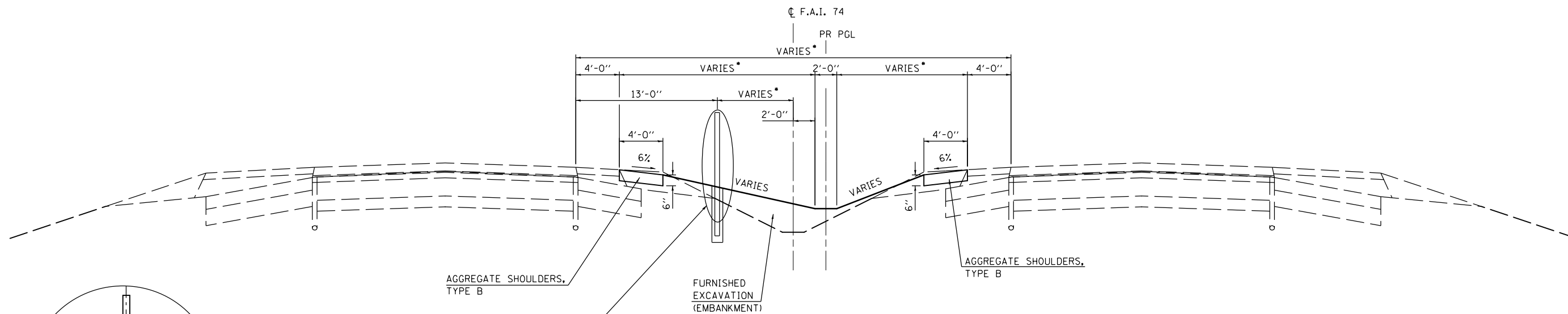
① STA. 1767+15.00 TO STA. 1784+00.00 ③

- NOTES: POST AND ANCHORAGE FOR THE HIGH TENSION CABLE MEDIAN BARRIER, PER MANUFACTURERS SPECIFICATIONS.
- TRANSITION BOTTOM DITCH CROSS SLOPE FROM 0% TO 1% BEGINNING 25'± FROM INLETS TO PROMOTE DRAINAGE INTO INLET.
- MEDIAN WIDTH VARIES 70' TO 40' STA. 1743+10± TO STA. 1800+60.87±

F:\Projects\DOT PROJECTS\10-006-5\Drawings\CADD Sheets\0570000-008-013-typrcal.dwg

USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
DRAWN - RNH	REVISED -	
PLOT SCALE = 10.0000' / 1" =	CHECKED - TMM	REVISED -
PLOT DATE = 3/7/2013	DATE -	REVISED -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	9
CONTRACT NO. 70A00				
ILLINOIS FED. AID PROJECT				



HIGH TENSION CABLE MEDIAN BARRIER (SEE DETAIL A)

3

PROPOSED TYPICAL CROSS SECTION

F.A.I. ROUTE 74

② STA. 1784+00.00 TO STA. 1800+60.87 ④

NOTE: POST AND ANCHORAGE FOR THE HIGH TENSION CABLE MEDIAN BARRIER, PER MANUFACTURERS SPECIFICATIONS.

• MEDIAN WIDTH VARIES 70' TO 40' STA. 1743+10± TO STA. 1800+60.87±

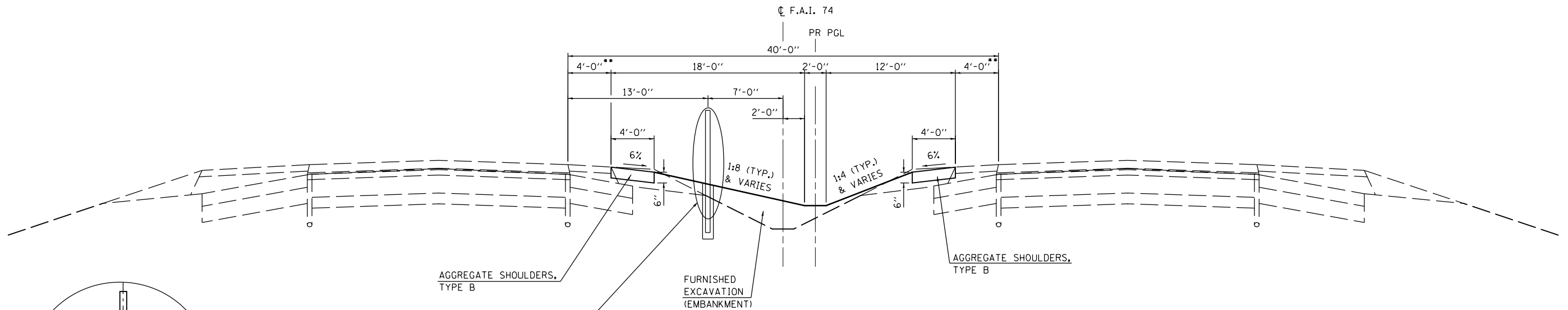
STATION EQUATIONS:
STA. 1800+60.87 BK = STA. 1800+61.38 AH

DETAIL "A" (TYPICAL)

F:\Projects\DOT PROJECTS\10-006-5\Drawings\CADD Sheets\0570000-008-013-typical.dgn

USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
DRAWN - RNH	REVISOR -	
PLOT SCALE = 10.0000' / 1" =	CHECKED - TMM	REVISED -
PLOT DATE = 3/7/2013	DATE -	REVISED -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	10
				CONTRACT NO. 70A00
ILLINOIS FED. AID PROJECT				



HIGH TENSION CABLE MEDIAN BARRIER (SEE DETAIL A)

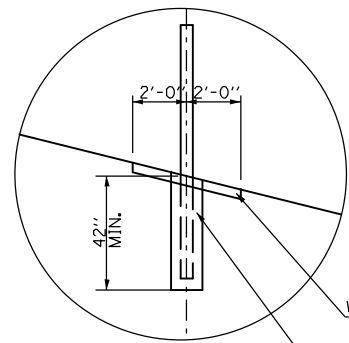
4 **PROPOSED TYPICAL CROSS SECTION**
F.A.I. ROUTE 74

③ STA. 1800+61.38 TO STA. 1823+70.00
⑤ STA. 1857+70.00 TO STA. 1036+75.00

NOTE: POST AND ANCHORAGE FOR THE HIGH TENSION CABLE MEDIAN BARRIER, PER MANUFACTURERS SPECIFICATIONS.

•• EXISTING SHOULDER WIDTH TRANSITIONS FROM 4' TO 6' STA. 1035+05.17 TO STA. 1036+75.00. COMBINED PAVED SHOULDER AND AGGREGATE SHOULDER WIDTH IS 8' THROUGHOUT.

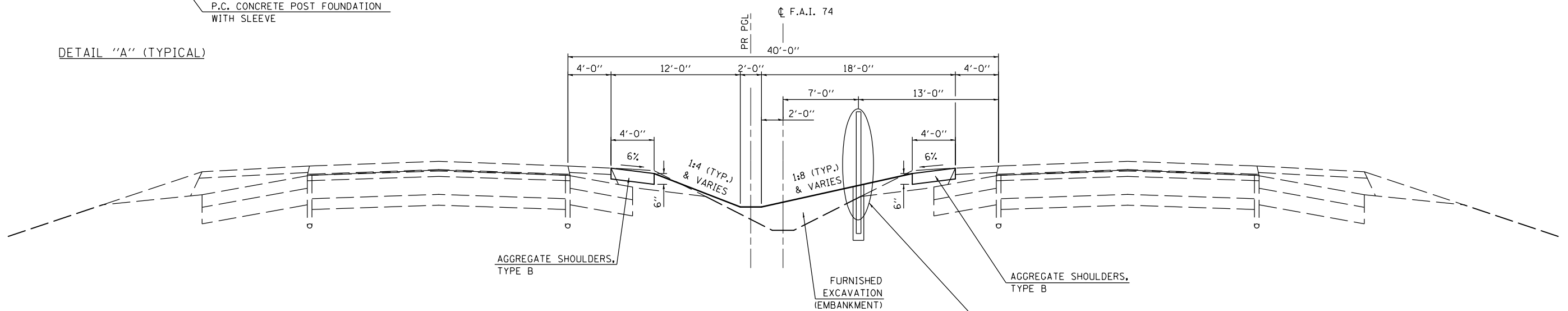
STATION EQUATIONS:
STA. 1800+60.87 BK = STA. 1800+61.38 AH
STA. 1870+24.62 BK = STA. 1035+05.17 AH



DETAIL "A" (TYPICAL)

WEED CONTROL MOWING STRIP (4")

P.C. CONCRETE POST FOUNDATION WITH SLEEVE



AGGREGATE SHOULDERS, TYPE B

5 **PROPOSED TYPICAL CROSS SECTION**
F.A.I. ROUTE 74

④ STA. 1824+30.00 TO STA. 1857+00.00

HIGH TENSION CABLE MEDIAN BARRIER (SEE DETAIL A)

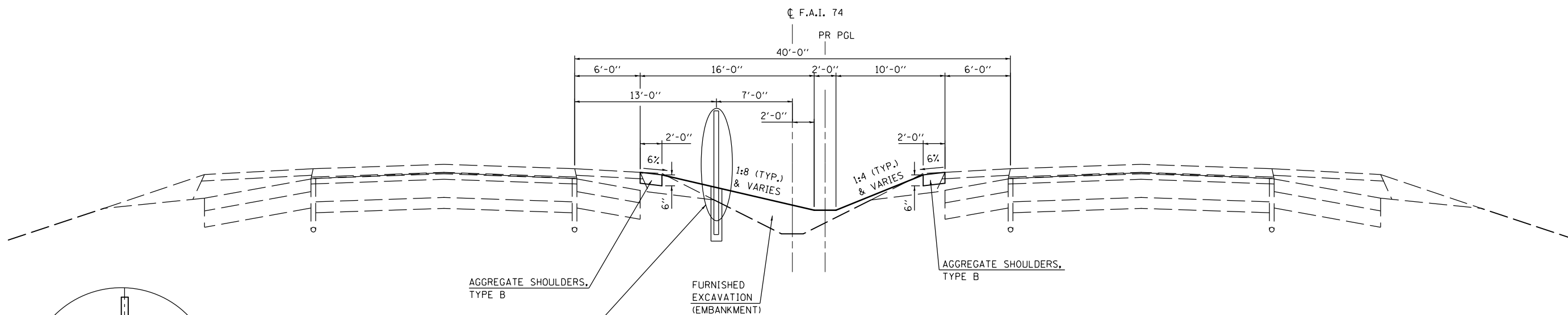
NOTE: POST AND ANCHORAGE FOR THE HIGH TENSION CABLE MEDIAN BARRIER, PER MANUFACTURERS SPECIFICATIONS.

STATION EQUATIONS:
STA. 1845+92.22 BK = STA. 1845+93.65 AH

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USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
DRAWN - RNH	REVISIONS -	
PLOT SCALE = 10.0000' / 1" =	CHECKED - TMM	REVISIONS -
PLOT DATE = 3/7/2013	DATE -	REVISIONS -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	11
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	



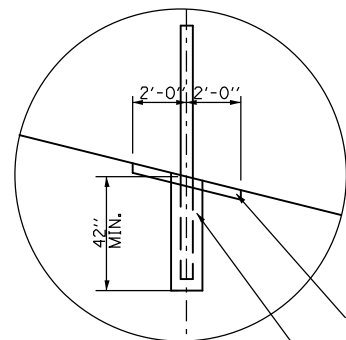
HIGH TENSION CABLE MEDIAN BARRIER (SEE DETAIL A)

PROPOSED TYPICAL CROSS SECTION

F.A.I. ROUTE 74

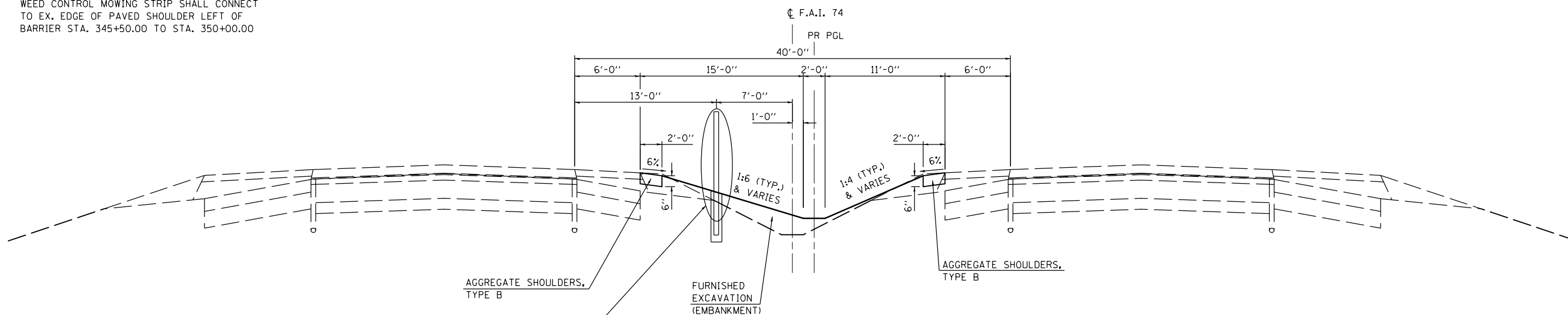
- ④ STA. 1036+75.00 TO STA. 1059+70.00
- ⑦ STA. 354+95.07 TO STA. 372+00.00
- ⑧ STA. 414+05.00 TO STA. 430+25.00

NOTE: POST AND ANCHORAGE FOR THE HIGH TENSION CABLE MEDIAN BARRIER, PER MANUFACTURERS SPECIFICATIONS.



DETAIL "A" (TYPICAL)

WEED CONTROL MOWING STRIP SHALL CONNECT TO EX. EDGE OF PAVED SHOULDER LEFT OF BARRIER STA. 345+50.00 TO STA. 350+00.00



HIGH TENSION CABLE MEDIAN BARRIER (SEE DETAIL A)

PROPOSED TYPICAL CROSS SECTION

F.A.I. ROUTE 74

STA. 345+50.00 TO STA. 354+95.07

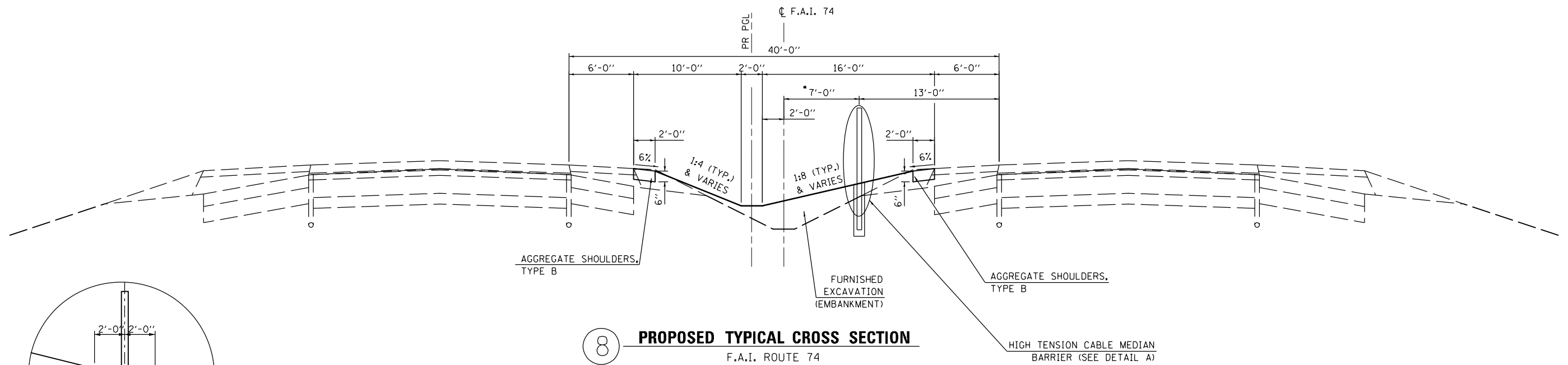
NOTE: POST AND ANCHORAGE FOR THE HIGH TENSION CABLE MEDIAN BARRIER, PER MANUFACTURERS SPECIFICATIONS.

PROJECT OMISSION:
STA. 1114+00.00 TO STA. 345+50.00

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USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
DRAWN - RNH	REVISED -	
PLOT SCALE = 10.0000' / 1" =	CHECKED - TMM	REVISED -
PLOT DATE = 3/7/2013	DATE -	REVISED -

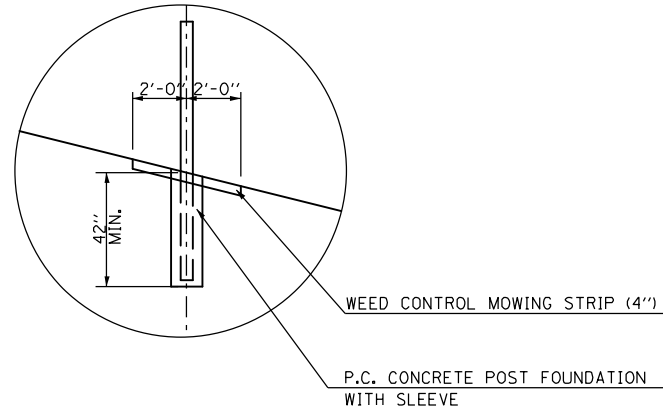
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	12
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	



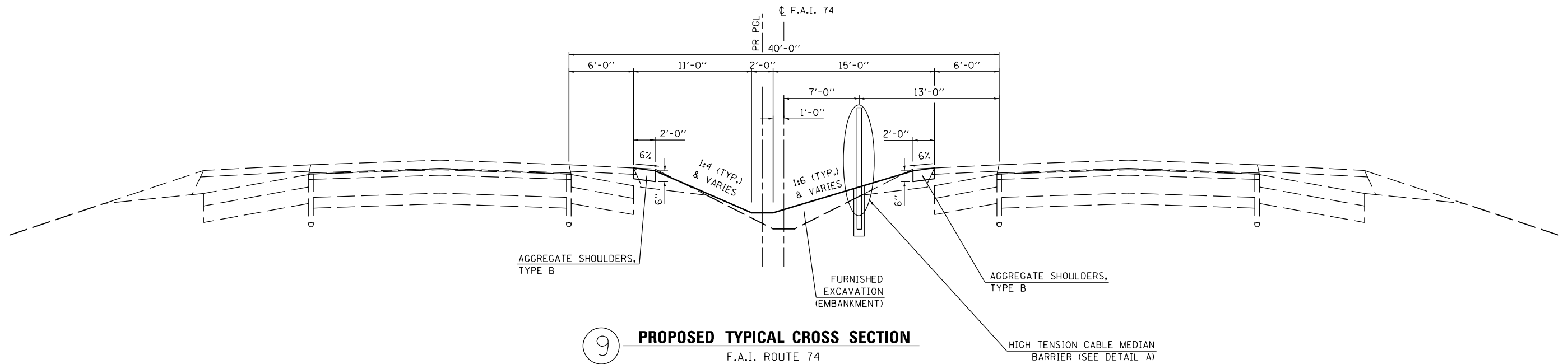
8 **PROPOSED TYPICAL CROSS SECTION**
F.A.I. ROUTE 74

⑨ STA. 384+99.37 TO STA. 414+05.00 ⑥

NOTE: POST AND ANCHORAGE FOR THE HIGH TENSION CABLE MEDIAN BARRIER, PER MANUFACTURERS SPECIFICATIONS.



DETAIL "A" (TYPICAL)



9 **PROPOSED TYPICAL CROSS SECTION**
F.A.I. ROUTE 74

⑥ STA. 1062+90.00 TO STA. 1114+00.00
⑥ STA. 374+50.00 TO STA. 384+99.37 ⑧

NOTE: POST AND ANCHORAGE FOR THE HIGH TENSION CABLE MEDIAN BARRIER, PER MANUFACTURERS SPECIFICATIONS.

PROJECT OMISSION:
STA. 1114+00.00 TO STA. 345+50.00

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USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
DRAWN - RNH	REVISED -	
PLOT SCALE = 10.0000' / 1"	CHECKED - TMM	REVISED -
PLOT DATE = 3/7/2013	DATE -	REVISED -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	13
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

EARTHWORK					
LOCATION		EARTH EXCAVATION (CUT)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT (FILL)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
FROM STATION	TO STATION	(CU YD)	(CU YD)	(CU YD)	(CU YD)
1743+10.00	1767+15.00	215	163	4676	-4513
1767+15.00	1784+00.00	137	106	2070	-1964
1784+00.00	1800+60.87	112	86	1537	-1451
1800+61.38	1823+70.00	165	123	1420	-1297
1824+30.00	1857+00.00	249	188	2416	-2228
1857+70.00	1036+75.00	102	77	1010	-933
1036+75.00	1059+70.00	300	224	1428	-1204
1062+90.00	1114+00.00	544	409	3141	-2732
345+50.00	354+95.07	90	68	211	-143
354+95.07	372+00.00	147	109	705	-596
374+50.00	384+99.37	76	60	623	-563
384+99.37	414+05.00	289	216	1274	-1058
414+05.00	430+25.00	101	77	675	-598
DITCH CHECKS				83	-83
TOTAL		2527	1906	21269	-19363
EARTH EXCAVATION FURNISHED EXCAVATION		2525			19365

* AN EARTH SHRINKAGE FACTOR OF 0.25 IS APPLIED

EROSION CONTROL BLANKET			
LOCATION	STATION TO	STATION	SO. YDS.
SEGMENT 1	1069+00.00	1073+16.20	370
	1076+95.42	1079+55.67	231
SEGMENT 2	374+73.00	384+99.00	912
TOTAL			1513

AGGREGATE SHOULDERS, TYPE B				
LOCATION	STATION TO	STATION	OFFSET	TON
I-74 Segment 1	1743+10.00	1870+24.62	LT & RT	3861.48
	1035+05.17	1059+70.00	LT & RT	374.29
	1066+00.00	1114+00.00	LT & RT	728.89
I-74 Segment 2	346+00.00	372+00.00	LT	197.41
	345+50.00	372+00.00	RT	201.20
	374+50.00	430+25.00	LT & RT	846.57
TOTAL				6209.84
ROUNDED TOTAL				6210

INLET AND PIPE PROTECTION		
LOCATION	STATION	EACH
SEGMENT 1	1744+56.80	1
	1748+57.65	1
	1753+93.17	1
	1767+14.47	1
	1782+15.62	1
	1809+77.62	1
	1810+06.18	1
	1834+87.32	1
	1856+88.56	1
	1036+04.04	1
	1045+96.91	1
	1049+32.81	1
	1073+16.20	1
	1076+95.42	1
	1079+55.67	1
	1090+53.45	1
1102+00.52	1	
SEGMENT 2	349+26.23	1
	354+95.07	1
	358+11.56	1
	365+00.09	1
	374+72.50	1
	384+99.37	1
	398+43.65	1
	408+23.78	1
	413+91.24	1
	420+84.50	1
	424+04.19	1
TOTAL		28

FLUSH INLET BOX FOR MEDIAN, STANDARD 542546		
LOCATION	STATION	EACH
SEGMENT 1	1744+56.80	1
	1748+57.65	1
	1753+93.17	1
	1782+15.62	1
	1809+77.62	1
	1810+06.18	1
	1834+87.32	1
	1856+88.56	1
	1036+04.04	1
	1045+96.91	1
	1049+32.81	1
	1073+16.20	1
SEGMENT 2	349+26.23	1
	354+95.07	1
	365+00.09	1
	374+72.50	1
	384+99.37	1
	413+91.24	1
	420+84.50	1
	424+04.19	1
TOTAL		22

SEEDING, FERTILIZERS, AND MULCH									
LOCATION	STATION TO	STATION	OFFSET	SEEDING CLASS 2A (ACRE)	NITROGEN FERTILIZER NUTRIENT (POUND)	PHOSPHORUS FERTILIZER NUTRIENT (POUND)	POTASSIUM FERTILIZER NUTRIENT (POUND)	MULCH METHOD 2 (ACRE)	SEEDING, CLASS 7 (ACRE)
I-74 Segment 1	1743+10.00	1823+70.00	LT & RT	5.99	538.97	538.97	538.97	5.99	5.99
	1824+30.00	1836+80.00	LT & RT	0.58	52.24	52.24	52.24	0.58	0.58
	1837+50.00	1857+00.00	LT & RT	0.91	81.50	81.50	81.50	0.91	0.91
	1857+70.00	1870+24.62	LT & RT	0.58	52.43	52.43	52.43	0.58	0.58
	1035+05.17	1059+70.00	LT & RT	1.14	103.01	103.01	103.01	1.14	1.14
	1062+90.00	1114+00.00	LT & RT	2.37	213.56	213.56	213.56	2.37	2.37
I-74 Segment 2	345+50.00	356+00.00	LT & RT	0.49	43.88	43.88	43.88	0.49	0.49
	357+00.00	372+00.00	LT & RT	0.70	62.69	62.69	62.69	0.70	0.70
	374+50.00	399+10.00	LT & RT	1.14	102.81	102.81	102.81	1.14	1.14
	400+25.00	430+25.00	LT & RT	1.39	125.38	125.38	125.38	1.39	1.39
	TOTAL				15.29	1376.48	1376.48	1376.48	15.29
ROUNDED TOTAL				15.25	1377	1377	1377	15.25	15.25

PAVED DITCH REMOVAL			
LOCATION	STATION TO	STATION	FOOT
SEGMENT 2	1069+00.00	1083+20.00	1420.00
TOTAL			1420.00

NOTE: TEMPORARY DITCH CHECK WIDTHS ARE AVERAGE WIDTHS FOR THAT LENGTH OF ROADWAY. ACTUAL WIDTHS WILL VARY AND TEMPORARY DITCH CHECKS SHALL BE PLACED ACCORDING TO STANDARDS

TEMPORARY DITCH CHECKS		
LOCATION	STATION	FOOT
I-74 SEGMENT 1	1744+87.00	39
	1745+59.00	39
	1746+31.00	39
	1747+03.00	39
	1747+75.00	39
	1749+09.00	39
	1749+77.00	39
	1750+45.00	39
	1751+13.00	39
	1751+81.00	39
	1752+49.00	39
	1753+17.00	39
	1754+36.00	39
	1755+07.00	39
	1755+78.00	39
	1756+49.00	39
	1757+20.00	39
	1757+91.00	39
	1758+62.00	39
	1759+33.00	39
	1760+04.00	39
	1761+75.00	39
	1761+46.00	39
	1762+17.00	39
	1762+88.00	39
	1763+59.00	39
	1764+30.00	39
	1765+01.00	39
	1765+72.00	39
	1766+43.00	39
	1767+30.00	30
	1767+97.00	30
1768+64.00	30	
1769+31.00	30	
1769+98.00	30	
1770+65.00	30	
1771+32.00	30	
1771+99.00	30	
1772+66.00	30	
1773+33.00	30	
1774+00.00	30	

TEMPORARY DITCH CHECKS		
LOCATION	STATION	FOOT
I-74 SEGMENT 1	1775+00.00	30
	1776+00.00	30
	1777+00.00	30
	1778+00.00	30
	1779+00.00	30
	1780+00.00	30
	1781+00.00	30
	1782+50.00	30
	1783+50.00	30
	1784+50.00	19
	1785+50.00	19
	1786+50.00	19
	1787+50.00	19
	1788+50.00	19
	1789+50.00	19
	1790+50.00	19
	1791+50.00	19
	1792+50.00	19
	1793+50.00	19
	1794+50.00	19
	1795+50.00	19
	1797+25.00	19
	1798+00.00	19
	1798+75.00	19
	1799+50.00	19
	1800+25.00	19
	1801+00.00	18
	1801+75.00	18
	1802+50.00	18
	1803+25.00	18
	1804+00.00	18
	1804+75.00	18
1805+50.00	18	
1806+25.00	18	
1807+00.00	18	
1808+00.00	18	
1809+00.00	18	
1810+31.00	18	
1811+31.00	18	
1812+31.00	18	
1813+31.00	18	

TEMPORARY DITCH CHECKS		
LOCATION	STATION	FOOT
I-74 SEGMENT 1	1814+31.00	18
	1815+31.00	18
	1816+31.00	18
	1817+31.00	18
	1818+31.00	18
	1819+31.00	18
	1820+31.00	18
	1821+31.00	18
	1822+31.00	18
	1825+50.00	18
	1826+50.00	18
	1827+50.00	18
	1828+50.00	18
	1829+50.00	18
	1830+40.00	18
	1831+30.00	18
	1832+20.00	18
	1833+10.00	18
	1834+00.00	18
	1838+80.00	18
	1839+60.00	18
	1840+40.00	18
	1841+20.00	18
	1842+00.00	18
	1842+80.00	18
	1843+60.00	18
	1844+40.00	18
	1845+20.00	18
	1846+00.00	18
	1846+80.00	18
	1847+60.00	18
	1848+40.00	18
1849+20.00	18	
1850+00.00	18	
1850+80.00	18	
1851+60.00	18	
1852+40.00	18	
1853+20.00	18	
1854+00.00	18	
1854+80.00	18	
1855+60.00	18	

TEMPORARY DITCH CHECKS		
LOCATION	STATION	FOOT
I-74 SEGMENT 1	1856+40.00	18
	1858+76.00	18
	1859+76.00	18
	1860+76.00	18
	1861+76.00	18
	1862+76.00	18
	1863+76.00	18
	1864+76.00	18
	1865+76.00	18
	1866+76.00	18
	1867+76.00	18
	1868+76.00	18
	1869+76.00	18
	1037+00.00	18
	1038+00.00	18
	1039+00.00	18
	1040+00.00	18
	1041+00.00	18
	1042+00.00	18
	1043+00.00	18
	1044+00.00	18
	1045+00.00	18
	1050+45.00	18
	1051+45.00	18
	1052+45.00	18
	1053+45.00	18
	1054+45.00	18
	1055+45.00	18
	1056+45.00	18
	1057+45.00	18
	1066+00.00	15
	1066+45.00	15
1067+00.00	15	
1067+50.00	15	
1068+00.00	15	
1068+50.00	15	
1069+00.00	15	
1069+50.00	15	
1070+15.00	15	
1070+60.00	15	
1071+15.00	15	

TEMPORARY DITCH CHECKS		
LOCATION	STATION	FOOT
I-74 SEGMENT 1	1071+60.00	15
	1072+20.00	15
	1072+70.00	15
	1077+50.00	15
	1078+20.00	15
	1078+75.00	15
	1079+30.00	15
	1080+50.00	15
	1081+50.00	15
	1082+50.00	15
	1083+50.00	15
	1084+50.00	15
	1085+50.00	15
	1086+50.00	15
	1089+50.00	15
	1091+50.00	15
	1092+50.00	15
	1093+50.00	15
	1094+50.00	15
	1095+50.00	15
	1096+50.00	15
	1097+50.00	15
	1098+50.00	15
	1099+50.00	15
	1100+50.00	15
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	1103+00.00	15
	1104+00.00	15
	1105+00.00	15
	1106+00.00	15
	1107+00.00	15
	1108+00.00	15
1109+00.00	15	
1109+60.00	15	
1110+50.00	15	
1111+25.00	15	
1112+25.00	15	
SEGMENT 1 TOTAL	4361	

TEMPORARY DITCH CHECKS		
LOCATION	STATION	FOOT
I-74 SEGMENT 2	346+25.00	15
	347+25.00	15
	348+25.00	15
	350+00.00	15
	351+00.00	15
	352+00.00	15
	353+00.00	15
	354+00.00	15
	359+00.00	18
	360+00.00	18
	361+00.00	18
	362+00.00	18
	363+00.00	18
	364+00.00	18
	366+00.00	18
	367+00.00	18
	368+00.00	18
	369+00.00	18
	370+00.00	18
	371+00.00	18
	372+00.00	18
	375+75.00	15
	376+75.00	15
	377+75.00	15

SEGMENT 1 LOCATION	STATION	OFFSET	CONCRETE HEADWALL REMOVAL EACH	(*) STONE RIPRAP CLASS A1 TON	CONCRETE HEADWALL FOR PIPE DRAINS	PIPE UNDERDRAIN 4" (SPECIAL) FOOT	UNDERDRAIN CONNECTION TO STRUCTURE EACH	EROSTON CONTROL BLANKET SQ YD
1	1747+96.38	RT	1	2.5	1	18		
2	1747+95.68	LT	1	3.0	1	4		
3	1754+06.21	LT	1			18	1	
4	1754+08.11	RT	1			24	1	
5	1759+98.84	LT	1	3.0	1	4		
6	1759+99.27	RT	1			14		4.0
7	1765+05.17	LT	1			5		4.0
8	1765+04.87	RT	1			17		4.0
9	1769+88.51	LT	1	2.5	1	13		
10	1769+88.78	RT	1			6		4.0
11	1774+98.69	LT	1	2.5	1	13		
12	1775+00.54	RT	1			6		4.0
13	1782+13.10	LT	1			17	1	
14	1782+16.78	RT	1			8	1	
15	1786+97.10	LT	1	2.5	1	13		
16	1786+99.72	RT	1			8		4.0
17	1799+99.52	LT	1	3.0	1	8		
18	1799+95.81	RT	1			3		4.0
19	1805+02.82	LT	1			9		4.0
20	1804+94.91	RT	1			4		4.0
21	1811+51.70	LT	1	3.0	1	7		
22	1811+61.80	RT	1	3.0	1	0		
23	1818+02.97	LT	1	2.5	1	9		
24	1818+08.72	RT	1			7		4.0
25	1832+02.63	LT	1	2.5	1	4		
26	1832+09.48	RT	1	2.5	1	8		
27	1843+99.95	LT	1	3.0	1	4		
28	1844+05.37	RT	1	3.0	1	8		
29	1849+99.46	LT	1	2.5	1	5		
30	1850+06.07	RT	1	3.0	1	7		
31	1856+90.28	RT	1			10	1	
32	1856+94.75	LT	1			3	1	
33	1864+99.40	RT	1			4		4.0
34	1865+02.96	LT	1			11		4.0
35	1868+41.82	RT	1			4		4.0
36	1868+51.85	LT	1			12		4.0
37	1053+00.59	LT	1	3.0	1	11		
38	1053+01.14	RT	1	3.0	1	5		
39	1069+47.73	LT	1	2.5	1	5		
40	1069+48.06	RT	1	2.5	1	10		
41	1079+87.43	LT	1			30	1	
42	1079+85.20	RT	1			30	1	
43	1086+16.58	LT	1	3.0	1	4		
44	1086+14.08	RT	1	3.0	1	5		
45	1090+56.05	LT	1			4	1	
46	1090+57.67	RT	1			9	1	
47	1094+09.32	LT	1	3.0	1	1		
48	1094+09.33	RT	1	3.0	1	6		
49	1094+37.52	LT	1	2.5	1	5		
50	1094+39.24	RT	1	3.0	1	9		
51	1098+13.51	LT	1	2.5	1	4		
52	1098+15.00	RT	1	3.0	1	9		
53	1102+00.14	LT	1			4	1	
54	1102+04.61	RT	1			7	1	
55	1106+15.49	LT	1	3.0	1	4		
56	1106+14.06	RT	1	3.0	1	9		
57	1110+29.76	LT	1	3.0	1	3		
58	1110+30.09	RT	1	3.0	1	9		
SEGMENT 2								
59	348+01.38	LT	1	3.0	1	7		
60	354+82.10	RT	1			3	1	
61	354+83.54	RT	1			12	1	
62	355+10.98	LT	1			15	1	
63	355+12.17	LT	1			3	1	
64	361+93.92	LT	1	3.0	1	8		
65	365+11.19	RT	1			10	1	
66	367+02.05	LT	1	3.0	1	8		
67	374+84.45	RT	1			3	1	
68	374+85.90	RT	1			13	1	
69	379+96.45	LT	1	3.0	1	2		
70	385+09.31	RT	1			11	1	
71	385+27.20	LT	1			26	1	
72	389+94.52	LT	1	3.0	1	2		
73	398+24.92	LT	1			10	1	
74	398+24.91	RT	1			10	1	
75	403+04.85	LT	1	3.0	1	2		
76	403+04.48	RT	1	3.0	1	6		
77	413+67.05	LT	1			27	1	
78	413+80.57	RT	1			16	1	
79	418+94.92	LT	1	3.0	1	8		
80	419+02.93	RT	1	3.0	1	1		
81	422+47.08	LT	1	3.0	1	8		
82	422+48.40	LT	1	3.0	1	8		
83	422+52.36	RT	1	3.0	1	2		
84	422+53.74	RT	1	3.0	1	2		
85	429+09.37	LT	1	3.0	1	9		
86	429+25.28	RT	1	3.0	1	4		
TOTAL			86	135	47	732	25	56

(*) THIS PAY ITEM APPLIED TO LOCATIONS WHERE PIPE UNDERDRAINS OUTLET BELOW DITCH GRADES.

INLET BOX, STANDARD 542531		
LOCATION	STATION	EACH
SEGMENT 2	358+11.56	1
	398+43.65	1
	408+23.78	1
	424+04.19	1
TOTAL		4

CONCRETE COLLAR		
LOCATION	STATION	CU YD
SEGMENT 1	1748+40.48	1.38
	1753+78.68	1.38
	1781+99.84	1.38
	1809+91.52	1.94
	1834+99.21	1.38
	1857+01.44	1.94
	1036+04.04	0.45
	1079+55.67	0.45
	1090+53.51	0.45
	1102+00.52	0.45
SEGMENT 2	349+26.23	0.21
	354+95.07	0.45
	357+62.94	0.19
	358+11.56	0.90
	365+00.09	0.45
	374+72.50	0.25
	384+99.37	0.45
	408+23.78	0.45
	413+91.24	0.45
	424+04.19	0.45
TOTAL		15.5

STORM SEWERS, CLASS A, TYPE 1, 12"		
LOCATION	STATION	FOOT
SEGMENT 1	1834+99.21	5
	1073+16.20	5
	1079+55.67	5
SEGMENT 2	358+11.56	5
TOTAL		20

STORM SEWERS, CLASS A, TYPE 1, 15"		
LOCATION	STATION	FOOT
SEGMENT 2	349+26.23	5
TOTAL		5

STORM SEWERS, CLASS A, TYPE 1, 18"		
LOCATION	STATION	FOOT
SEGMENT 1	1076+95.42-	257
	1079+55.67	5
SEGMENT 2	374+72.50	5
TOTAL		262

STORM SEWERS, CLASS A, TYPE 1, 24"		
LOCATION	STATION	FOOT
SEGMENT 1	1744+56.80	11
	1748+47.82	13
	1753+85.66	11
	1781+99.84	12
	1809+91.52	20
	1834+99.21	8
	1857+01.44	9
	1036+04.04	8
	1045+96.91	204
	1049+32.31	128
	1079+55.67	5
	1090+53.51	7
	1102+00.52	2
SEGMENT 2	354+95.07	2
	358+11.56	2
	365+00.09	6
	384+99.37	2
	398+43.65	43
	408+23.78	7
	413+91.24	2
	424+04.19	2
TOTAL		504

STORM SEWERS, CLASS A, TYPE 1, 36"		
LOCATION	STATION	FOOT
SEGMENT 1	1748+40.48	4
	1753+78.68	7
	1781+99.84	6
	1834+99.21	4
TOTAL		21

STORM SEWERS, CLASS A, TYPE 1, 48"		
LOCATION	STATION	FOOT
SEGMENT 1	1809+91.52	5
	1857+01.44	5
TOTAL		10

STORM SEWER REMOVAL, 12"		
LOCATION	STATION	FOOT
SEGMENT 1	1834+99.21	5
	1045+96.91-	
	1049+32.81	332
	1073+16.20	5
	1079+55.67	5
SEGMENT 2	358+11.56	5
	398+43.65	43
TOTAL		395

STORM SEWER REMOVAL, 15"		
LOCATION	STATION	FOOT
SEGMENT 2	349+26.23	5
TOTAL		5

STORM SEWER REMOVAL, 18"		
LOCATION	STATION	FOOT
SEGMENT 2	374+72.50	5
TOTAL		5

STORM SEWER REMOVAL, 24"		
LOCATION	STATION	FOOT
SEGMENT 1	1036+04.04	2
	1079+55.67	4
	1090+53.51	2
	1102+00.52	1
SEGMENT 2	354+95.07	5
	358+11.56	6
	365+00.09	1
	384+99.37	5
	408+23.78	1
	413+91.24	6
	424+04.19	4
TOTAL		37

STORM SEWER REMOVAL, 36"		
LOCATION	STATION	FOOT
SEGMENT 1	1748+40.48	9
	1753+78.68	12
	1781+99.84	11
	1834+99.21	9
TOTAL		41

STORM SEWER REMOVAL, 48"		
LOCATION	STATION	FOOT
SEGMENT 1	1809+91.52	11
	1857+01.44	11
TOTAL		22

McDonough-Whitlow, P.C.
Consulting Engineers & Land Surveyors
PROFESSIONAL DESIGNER NO. 121-10714

USER NAME: kmyarb
DESIGNED: JAH
DRAWN: JMK
CHECKED: TMM
DATE: 4/6/2013
PLOT SCALE: 1/8" = 1'-0"
PLOT DATE: 4/6/2013

DESIGNED: JAH
DRAWN: JMK
CHECKED: TMM
DATE: 4/6/2013

REVISIONS:
REVISIONS:
REVISIONS:
REVISIONS:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: NONE SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	15
			CONTRACT NO. 70A00	
ILLINOIS FED. AID PROJECT				

MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID		
LOCATION	STATION	EACH
SEGMENT 1	1748+40.80	1
	1753+78.68	1
	1781+99.84	1
	1834+99.21	1
TOTAL		4

MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID		
LOCATION	STATION	EACH
SEGMENT 1	1809+91.52	1
	1857+01.44	1
TOTAL		2

INLETS TO BE RECONSTRUCTED		
LOCATION	STATION	EACH
SEGMENT 1	1767+14.47	1
TOTAL		1

REMOVING CATCH BASINS		
LOCATION	STATION	EACH
SEGMENT 1	1079+55.67	1
TOTAL		1

STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS

LOCATION	STATION TO	OFFSET	DIRECTION	STATION	OFFSET	DIRECTION	FOOT	
SEGMENT 1	1046+73.00	11.3	RT	1047+73.00	11.3	RT	100.0	
	1057+45.61	12.9	RT	1059+58.11	13.3	RT	212.5	
	1063+23.78	12.8	LT	1065+36.28	12.8	LT	212.5	
	1075+26.71	11.3	LT	1076+76.71	11.7	LT	150.0	
	1087+11.92	14.6	RT	1088+24.18	14.6	RT	112.5	
	1087+83.40	11.0	LT	1089+71.19	11.0	LT	187.5	
	1115+22.06	6.1	LT	1119+59.72	2.6	LT	437.5	
	1115+59.99	6.3	RT	1119+59.80	3.9	RT	400.0	
	SEGMENT 2	369+74.94	13.4	RT	371+87.44	13.6	RT	212.5
		374+69.35	13.6	LT	376+82.26	13.8	LT	212.5
TOTAL						2238		

TRAFFIC BARRIER TERMINAL, TYPE 2

LOCATION	STATION TO	OFFSET	DIRECTION	STATION	OFFSET	DIRECTION	EACH
SEGMENT 1	1047+73.00	11.3	RT	1047+87.79	11.3	RT	1
	1075+11.92	11.3	LT	1075+26.71	11.3	LT	1
	1087+68.58	11.0	LT	1087+83.40	11.0	LT	1
	1088+24.18	14.6	RT	1088+38.94	14.6	RT	1
	1115+07.26	6.0	LT	1115+22.06	6.1	LT	1
TOTAL						5	

TRAFFIC BARRIER TERMINAL, TYPE 6

LOCATION	STATION TO	OFFSET	DIRECTION	STATION	OFFSET	DIRECTION	EACH
SEGMENT 1	1059+58.11	13.3	RT	1060+03.75	13.3	RT	1
	1062+78.13	12.8	LT	1063+23.78	12.8	LT	1
	1119+59.72	2.6	LT	1120.05.33	0.7	LT	1
	1119+59.80	3.9	RT	1120.05.33	0.8	RT	1
SEGMENT 2	371+87.44	13.6	RT	372+33.09	13.7	RT	1
	374+23.70	13.6	LT	374+69.35	13.6	LT	1
TOTAL						6	

TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

LOCATION	STATION TO	OFFSET	DIRECTION	STATION	OFFSET	DIRECTION	EACH
SEGMENT 1	1046+23.00	11.2	RT	1046+73.00	11.3	RT	1
	1056+95.61	12.9	RT	1057+45.61	12.9	RT	1
	1065+36.28	12.8	LT	1065+86.28	12.8	LT	1
	1076+76.71	11.7	LT	1077+26.74	11.9	LT	1
	1086+62.02	14.6	RT	1087+11.92	14.6	RT	1
	1089+71.19	11.0	LT	1090+21.27	11.0	LT	1
	1115+10.01	6.2	RT	1115+59.99	6.3	RT	1
SEGMENT 2	369+24.94	13.3	RT	369+74.94	13.4	RT	1
	376+82.26	13.8	LT	377+32.40	13.8	LT	1
TOTAL						10	

GUARDRAIL REMOVAL

LOCATION	STATION	FEET
SEGMENT 1	1046+73.72 TO 1048+39.21	165
	1047+72.93 TO 1048+88.62	116
	1058+44.81 TO 1060+03.90	160
	1062+78.11 TO 1066+06.48	329
	1062+92.05 TO 1065+44.86	253
	1073+92.02 TO 1075+95.68	204
	1074+41.48 TO 1076+07.84	167
	1086+91.80 TO 1088+32.74	142
	1087+55.92 TO 1089+22.16	166
	1116+41.50 TO 1120+04.20	363
	1117+13.63 TO 1120+05.31	292
SEGMENT 2	368+84.76 TO 372+31.19	347
	374+25.60 TO 377+74.36	348
TOTAL		3052

REMOVE EXISTING FLARED END SECTION

LOCATION	STATION	EACH
SEGMENT 1	1036+04.04	1
	1045+96.96	1
	1049+32.88	1
	1073+16.28	1
	1076+95.47	1
	1090+53.45	1
TOTAL		6

REMOVE EXISTING RIPRAP

LOCATION	STATION	SO. YDS.
SEGMENT 2	349+08.32	16
TOTAL		16

INLETS, SPECIAL

LOCATION	STATION	EACH
SEGMENT 2	420+84.50	1
TOTAL		1

MEDIAN INLET BOX REMOVAL

LOCATION	STATION	EACH	
SEGMENT 1	1744+56.80	1	
	1748+47.82	1	
	1753+85.66	1	
	1781+99.84	1	
	1809+91.52	1	
	1834+99.21	1	
	1857+01.44	1	
	1102+00.52	1	
	349+26.23	1	
	354+95.07	1	
	358+11.56	1	
	365+00.09	1	
	374+72.50	1	
	384+99.37	1	
	398+43.65	1	
	408+23.78	1	
	413+91.24	1	
	424+04.19	1	
	TOTAL		18

GUARD POST REMOVAL

LOCATION	STATION	EACH
SEGMENT 1	1748+21.20	3
	1766+82.96	4
	1781+70.60	3
	1824+46.11	1
	1836+81.98	1
	1837+82.36	2
SEGMENT 2	355+78.54	2
	357+81.19	5
TOTAL		21

SURVEY MARKER, TYPE 1 (SPECIAL)

LOCATION	DESCRIPTION	STATION	EACH
I-74	STA EQ #143	1670+37.88 (BK) 1670+40.16 (AH)	1
	STA EQ #144	1765+38.22 (BK) 1765+38.85 (AH)	1
	PC #144	1765+38.85	1
	PI #134	1783+27.56	1
	PT #66	1800+60.87	1
	STA EQ #66	1800+60.87 (BK) 1800+61.38 (AH)	1
	STA EQ #2	1845+92.22 (BK) 1845+93.65 (AH)	1
	PI #65	1845+95.31	1
	STA EQ #3	1870+24.62 (BK) 1035+05.17 (AH)	1
	PC #21	1077+12.29	1
	PI #50	1088+67.29	1
	PCC	1100+01.90	1
	PI #49	1105+01.95	1
	PCC	1110+01.45	1
	PI #48	1137+79.11	1
	PT #28	1164+64.80	1
	PCC	336+98.85	1
	PI	347+77.58	1
	PT	358+18.92	1
	PC	375+32.57	1
	PI	399+25.98	1
	PT	420+03.70	1
	PC	623+14.71	1
	TOTAL		23

WEED CONTROL MOWING STRIP (SPECIAL)

LOCATION	STATION TO	STATION	OFFSET	SO YD
SEGMENT 1	1743+10.00	1767+05.00	RT	1064.44
	1767+25.00	1823+70.00	LT	2508.89
	1824+30.00	1836+80.00	RT	555.56
	1837+50.00	1857+00.00	RT	866.67
	1857+70.00	1870+24.62	LT	557.61
	1035+05.17	1059+70.00	LT	1095.48
	1062+90.00	1114+00.00	RT	2271.11
SEGMENT 2	345+50.00	346+00.00	LT	30.00
	346+00.00	356+00.00	LT	444.44
	357+00.00	372+00.00	LT	666.67
	374+50.00	399+10.00	RT	1093.33
	400+25.00	414+00.00	RT	611.11
	414+10.00	430+25.00	RT	717.78
TOTAL				12483.09
ROUNDED TOTAL				12483

HIGH TENSION CABLE MEDIAN BARRIER

LOCATION	STATION TO	STATION	OFFSET	FOOT
SEGMENT 1	1743+60.00	1766+55.00	RT	2295
	1767+75.00	1823+20.00	LT	5545
	1824+80.00	1836+30.00	RT	1150
	1838+00.00	1856+50.00	RT	1850
	1858+20.00	1059+20.00	LT	3619
	1063+40.00	1113+50.00	RT	5010
SEGMENT 2	346+00.00	355+50.00	LT	950
	357+50.00	371+50.00	LT	1400
	375+00.00	398+60.00	RT	2360
	400+75.00	413+50.00	RT	1275
	414+60.00	429+75.00	LT	1515
TOTAL				26969

HIGH TENSION CABLE MEDIAN BARRIER TERMINALS

LOCATION	STATION TO	STATION	OFFSET	EACH	
SEGMENT 1	1743+10.00	1743+60.00	RT	1	
	1766+55.00	1767+05.00	RT	1	
	1767+25.00	1767+75.00	LT	1	
	1823+20.00	1823+70.00	LT	1	
	1824+30.00	1824+80.00	RT	1	
	1836+30.00	1836+50.00	RT	1	
	1837+50.00	1838+00.00	RT	1	
	1856+50.00	1857+00.00	RT	1	
	1857+70.00	1858+20.00	LT	1	
	1059+20.00	1059+70.00	LT	1	
	1062+90.00	1063+40.00	RT	1	
	1113+50.00	1114+00.00	RT	1	
	SEGMENT 2	345+50.00	346+00.00	LT	1
		355+50.00	356+00.00	LT	1
		357+00.00	357+50.00	LT	1
		371+50.00	372+00.00	LT	1
374+50.00		375+00.00	RT	1	
398+60.00		399+10.00	RT	1	
400+25.00		400+75.00	RT	1	
413+50.00		414+00.00	RT	1	
414+10.00		414+60.00	LT	1	
429+75.00		430+25.00	LT	1	
TOTAL				22	

F:\Projects\DOT PROJECTS\10-2006-5\Drawings\CADD Sheets\05702020-014-016-schedule.dgn



USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
DRAWN - JMK	REVISED -	
PLOT SCALE = 0.1667' / in.	CHECKED - TMM	REVISED -
PLOT DATE = 3/7/2013	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: NONE SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	16
CONTRACT NO. 70A00				
ILLINOIS FED. AID PROJECT				

SECTION 1 ALIGNMENT

DESCRIPTION	STATION	NORTHING*	EASTING*
STA. EQ. #143	1670+37.88(BK) 1670+40.16(AH)	1,280,078.0948	980,096.6416
STA. EQ. #144	1765+38.22(BK) 1765+38.85(AH)	1,276,318.9838	988,819.1587
PC #144	1765+38.85	1,276,318.9838	988,819.1587
PI #134	1783+27.56	1,275,611.0555	990,461.8121
PT #66	1800+60.87	1,274,282.3237	991,659.2863
STA. EQ. #66	1800+60.87(BK) 1800+61.38(AH)	1,274,282.3237	991,659.2863
STA. EQ. #2	1845+92.22(BK) 1845+93.65(AH)	1,270,916.6125	994,692.5187
PI #65	1845+95.31	1,270,915.3777	994,693.6315
STA. EQ. #3	1870+24.62(BK) 1035+05.17(AH)	1,269,111.1179	996,320.3408
PC #21	1077+12.29	1,265,986.3912	999,137.4273
PI #50	1088+67.29	1,265,128.5417	999,910.8076
PCC	1100+01.90	1,264,562.7464	1,000,917.7329
PI #49	1105+01.95	1,264,317.7858	1,001,353.6804
PCC	1110+01.45	1,264,109.2421	1,001,808.1751
PI #48	1137+79.11	1,262,950.8449	1,004,332.7565
PT #28	1164+64.80	1,262,991.9503	1,007,110.1124

SECTION 1 BENCHMARKS

BM 4802-3
STA. 1845+06.36, 81.02' RT, EL. 807.198
TO REACH FROM THE INTERSECTION OF FAI 57 AND
FAI 74 IN CHAMPAIGN, TRAVEL WESTERLY ALONG FAI
74 0.98 MILES TO MARK ON THE LEFT. SAID MARK
IS A CHISELED SQUARE ON THE NORTH SIDE OF
NORTH LEG OF CHAMPAIGN EXIT SIGN FOUNDATION.

BM 4802-7
STA. 1059+99.73, 12.54' LT, EL. 787.789
AT THE INTERSECTION OF FAI 57 AND FAI 74 IN
CHAMPAIGN, MARK IS A CHISELED SQUARE ON TOP OF
SW CORNER OF SW PARAPET WALL OF I 74 WEST
BOUND BRIDGE OVER FAI 57.

BM 4802-11
STA. 1117+25.34, 1.22' RT, EL. 767.808
TO REACH FROM THE INTERSECTION OF FAI 57 AND
FAI 74 IN CHAMPAIGN, TRAVEL EASTERLY ALONG FAI
74 1.04 MILES TO MARK ON THE LEFT. SAID MARK
IS A CHISELED SQUARE IN CENTER OF WEST END OF
OVERHEAD SIGN FOUNDATION IN MEDIAN.

* GRID COORDINATES

SECTION 2 ALIGNMENT

DESCRIPTION	STATION	NORTHING*	EASTING*
PCC	336+98.85	1,262,165.6835	1,024,197.0070
PI	347+77.58	1,261,727.3240	1,025,182.6572
PT	358+18.92	1,260,900.1954	1,025,875.1339
PC	375+32.57	1,259,586.2400	1,026,975.1847
PI	399+25.98	1,257,751.0691	1,028,511.6000
PT	420+03.70	1,257,774.9715	1,030,904.8933
PC	623+14.71	1,257,977.8688	1,051,214.8152

SECTION 2 BENCHMARKS

BM 4950-1
STA. 345+19.88, 1.75' RT, EL. 713.12
TO REACH FROM THE INTERSECTION OF I-74 AND
CUNNINGHAM AVE., TRAVEL EAST 0.4 MILES TO THE
MARK. SAID MARK IS A CHISELED SQUARE IN
CENTER OF VERY EAST END OF MEDIAN BARRIER
WALL.

BM 4950-4
STA. 398+98.50, 73.67' LT, EL. 733.25
TO REACH FROM THE INTERSECTION OF I-74 AND
CUNNINGHAM AVE., TRAVEL EAST 1.4 MILES TO THE
MARK ON THE LEFT. SAID MARK IS A CHISELED
SQUARE ON THE TOP CENTER OF A MEDIAN DRAIN
PIPE ON NORTH SIDE OF I-74.

BM 4906-6
STA. 431+25.14, 10.73' LT, EL. 721.73
TO REACH FROM THE INTERSECTION OF I-74 AND
CUNNINGHAM AVE., TRAVEL EAST 2.0 MILES TO THE
MARK ON THE LEFT. SAID MARK IS A CHISELED
SQUARE ON THE NORTHEAST CORNER OF BARREL PAD
ON EAST SIDE OF HIGH CROSS RD.

* GRID COORDINATES

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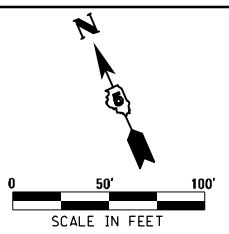
 **McDonough-Whitlow, P.C.**
Consulting Engineers & Land Surveyors
PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
DRAWN - RNH	REVISED -	
PLOT SCALE = 100.0000' / in.	CHECKED - TMM	REVISED -
PLOT DATE = 3/7/2013	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

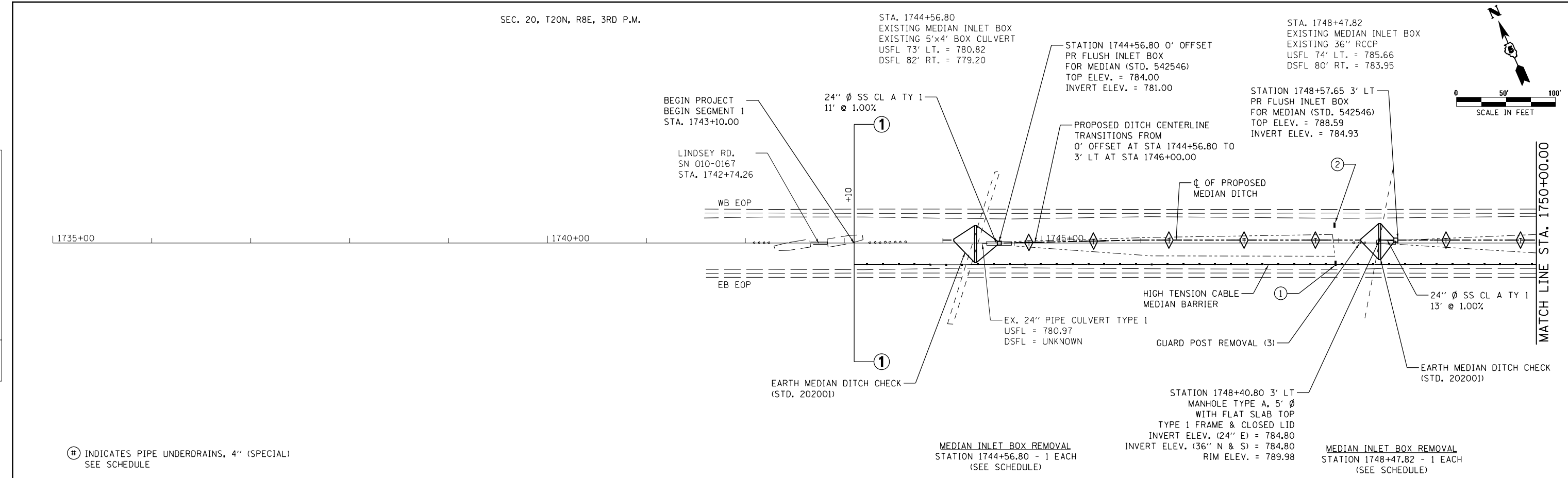
ALIGNMENT AND BENCHMARKS			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. 1740+00.00 TO STA. 1783+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	17
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	



PLAN	SUBMITTED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

PROFILE	SUBMITTED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

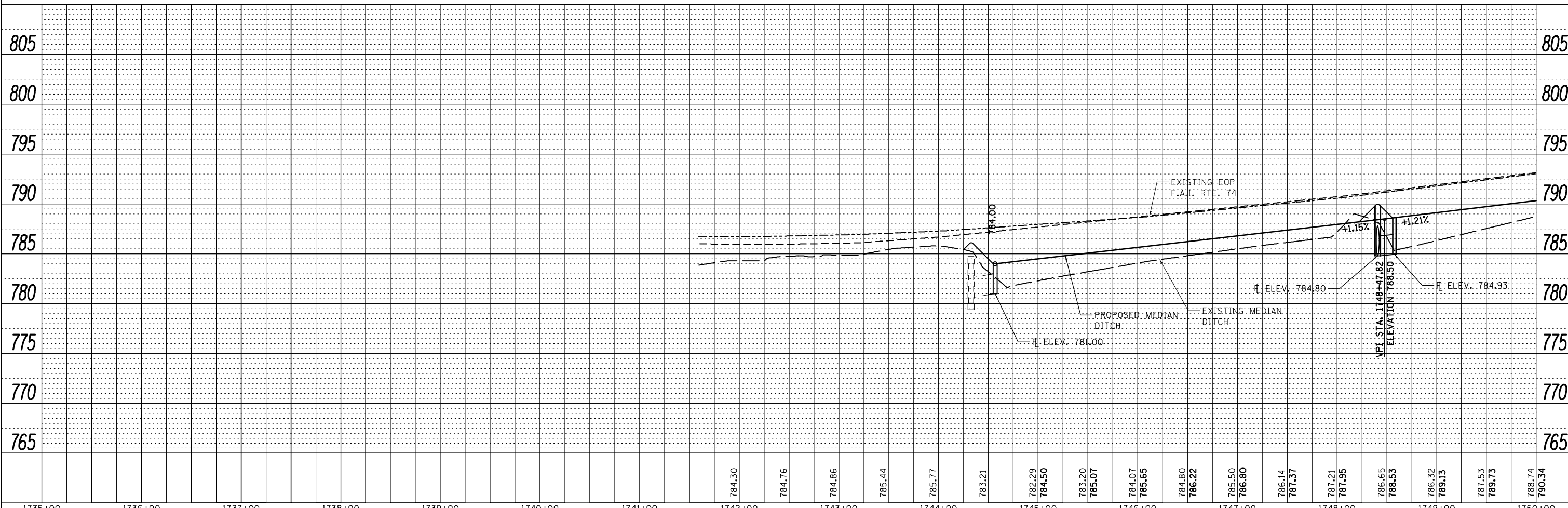


⊕ INDICATES PIPE UNDERDRAINS, 4" (SPECIAL) SEE SCHEDULE

MEDIAN INLET BOX REMOVAL
STATION 1744+56.80 - 1 EACH
(SEE SCHEDULE)

STATION 1748+40.80 3' LT
MANHOLE TYPE A, 5' Ø
WITH FLAT SLAB TOP
TYPE 1 FRAME & CLOSED LID
INVERT ELEV. (24" E) = 784.80
INVERT ELEV. (36" N & S) = 784.80
RIM ELEV. = 789.98

MEDIAN INLET BOX REMOVAL
STATION 1748+47.82 - 1 EACH
(SEE SCHEDULE)



1735+00	1736+00	1737+00	1738+00	1739+00	1740+00	1741+00	1742+00	1743+00	1744+00	1745+00	1746+00	1747+00	1748+00	1749+00	1750+00																			
							784.30	784.76	784.96	785.44	785.77	783.21	782.29	784.50	783.20	785.07	784.07	785.65	784.80	786.22	785.50	786.80	786.14	787.37	787.21	787.95	786.65	788.53	786.32	789.13	787.53	789.73	788.74	790.34

McDonough-Whitlow, P.C.
Consulting Engineers & Land Surveyors
PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
DRAWN - RNH	REVISED -	
CHECKED - TMM	REVISED -	
DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE	
F.A.I. 74	
SCALE: 1" = 50'	SHEET 1 OF 22 SHEETS
STA. 1735+00.00 TO STA. 1750+00.00	

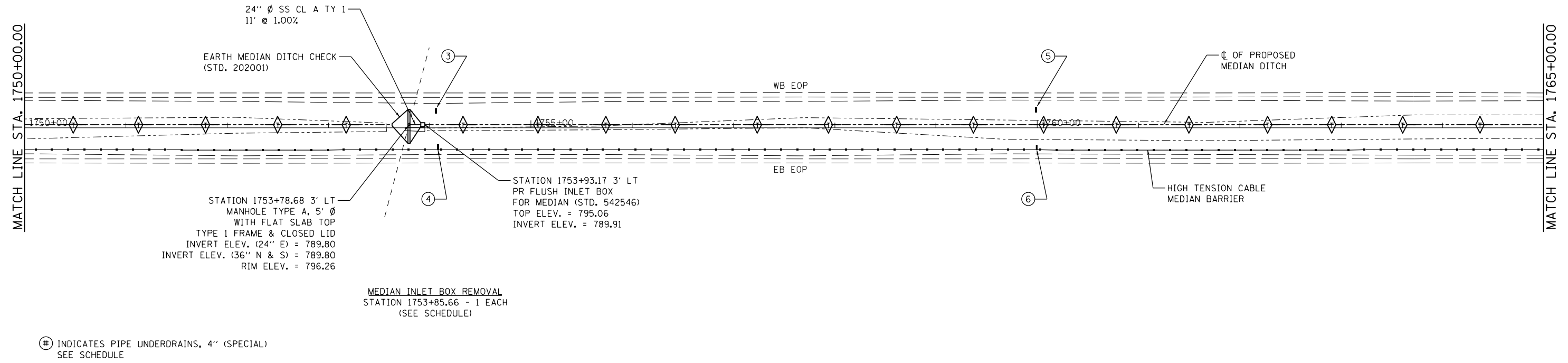
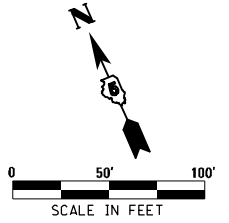
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74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	18
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

PLAN	SUBMITTED	DATE
NOTE BOOK	ALIGNED	
NO.	FILE NAME	

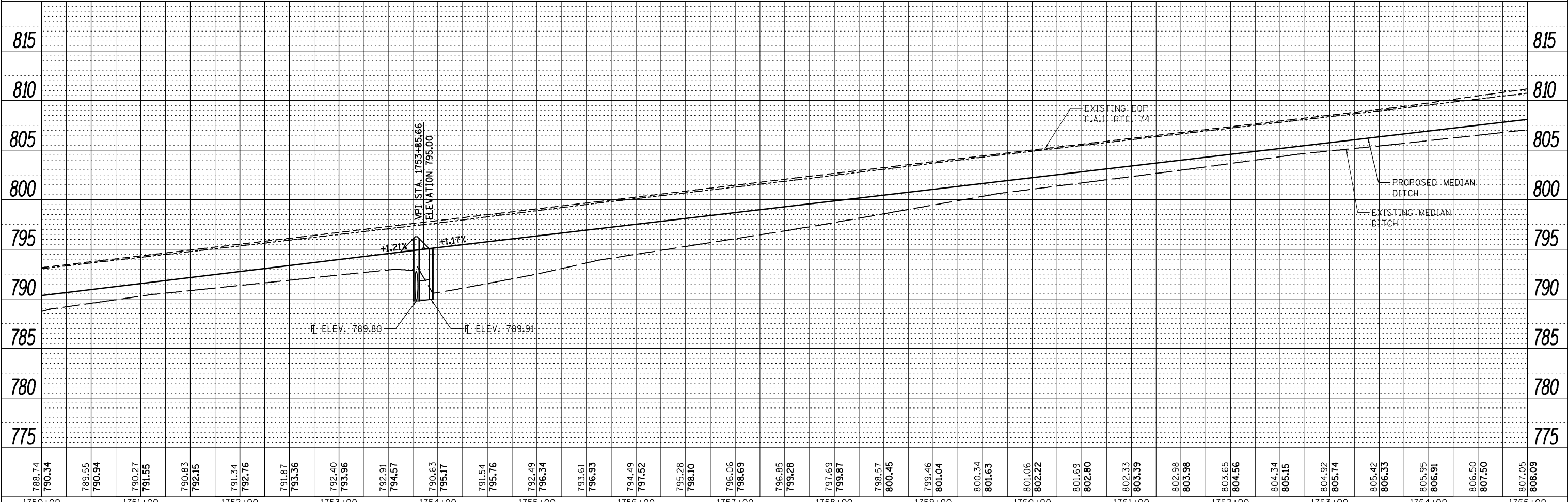
PROFILE	SUBMITTED	DATE
NOTE BOOK	GRADES CHECKED	
NO.	STRUCTURE NOTATIONS	OFFNO

F:\Projects\UDOT PROJECTS\10-086-S\Drawings\CADD Sheets\0370400-019-pln-prf-2.dgn

STA. 1753+85.66
 EXISTING MEDIAN INLET BOX SEC. 20, T20N, R8E, 3RD P.M.
 EXISTING 36" RCCP
 USFL 79' LT. = 791.36
 DSFL 88' RT. = 788.20



⊕ INDICATES PIPE UNDERDRAINS, 4" (SPECIAL)
 SEE SCHEDULE



788.74	790.34	789.55	790.94	790.27	791.55	790.83	792.15	791.34	792.76	791.87	793.36	792.40	793.96	792.91	794.57	790.63	795.17	791.54	795.76	792.49	796.34	793.61	796.93	794.49	797.52	795.28	796.10	796.06	798.69	796.85	799.28	797.69	799.87	798.57	800.45	799.46	801.04	800.34	801.63	801.06	802.22	801.69	802.80	802.33	803.39	802.98	803.98	803.65	804.56	804.34	805.15	804.92	805.74	805.42	806.33	805.95	806.91	806.50	807.50	807.05	808.09
1750+00	1751+00	1752+00	1753+00	1754+00	1755+00	1756+00	1757+00	1758+00	1759+00	1760+00	1761+00	1762+00	1763+00	1764+00	1765+00																																														

McDonough-Whitlow, P.C.
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 PROFESSIONAL DESIGN NO. 184-002754

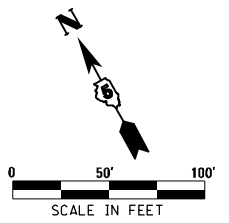
USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
	DRAWN - RNH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - TMM	REVISED -
PLOT DATE = 3/7/2013	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: 1" = 50'	SHEET 2	OF 22 SHEETS	STA. 1750+00.00	TO STA. 1765+00.00
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PLAN & PROFILE
 F.A.I. 74

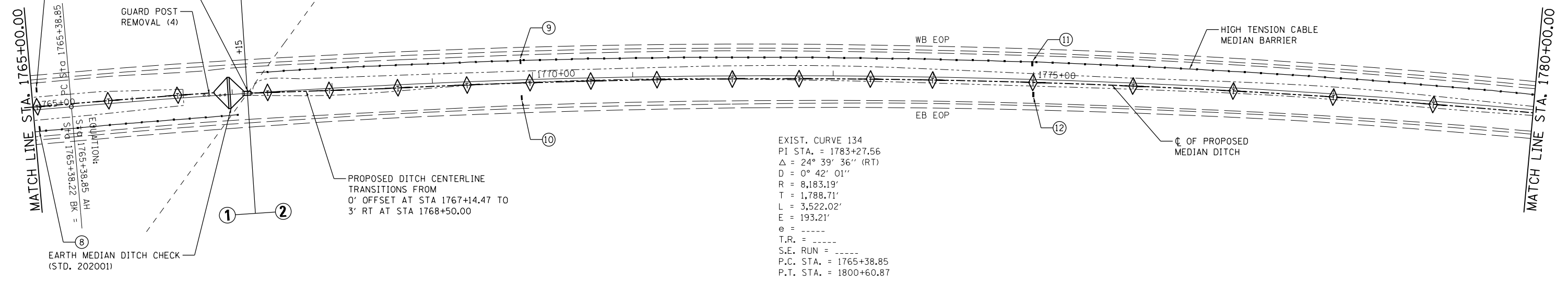
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	19
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	



PLAN	SUBMITTED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
NO.	FILE NAME	

STATION 1767+14.47 0' OFFSET
INLET TO BE RECONSTRUCTED
SEE DETAIL SHEET 41
TOP ELEV. = 810.60

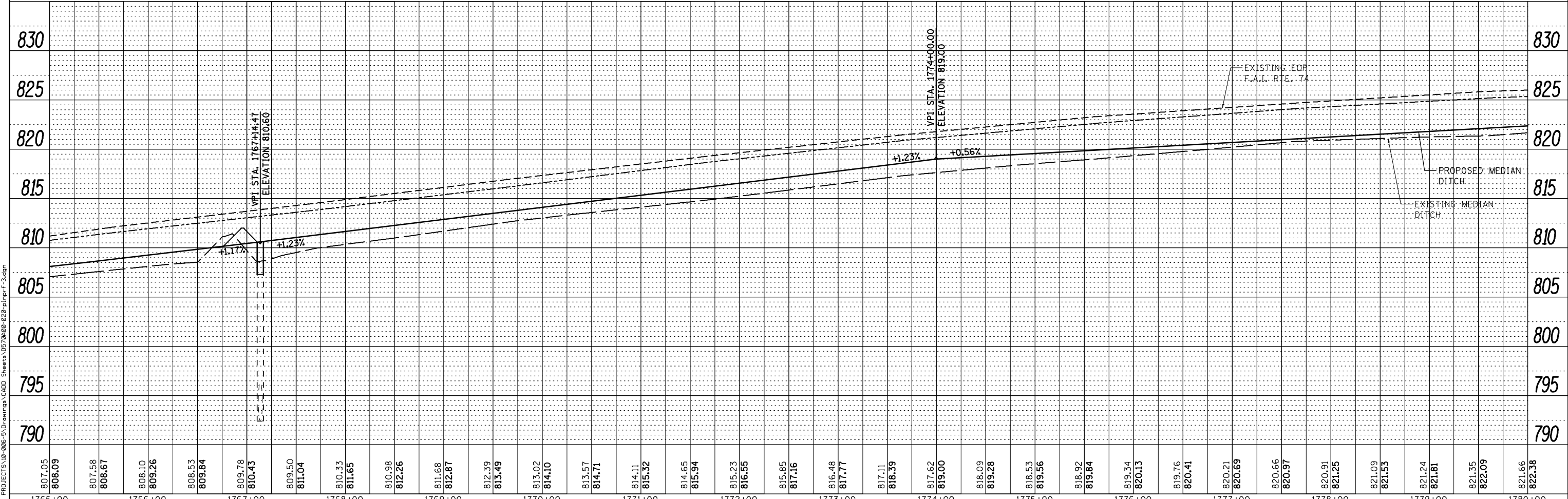
STA. 1767+14.47
EXISTING MEDIAN INLET BOX
EXISTING 48" RCCP
USFL 124' LT. = 794.14
DSFL 130' RT. = 790.49



EXIST. CURVE 134
PI STA. = 1783+27.56
 $\Delta = 24^\circ 39' 36''$ (RT)
 $D = 0^\circ 42' 01''$
 $R = 8,183.19'$
 $T = 1,788.71'$
 $L = 3,522.02'$
 $E = 193.21'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 $P.C. STA. = 1765+38.85$
 $P.T. STA. = 1800+60.87$

⊕ INDICATES PIPE UNDERDRAINS, 4" (SPECIAL)
SEE SCHEDULE

PROFILE	SUBMITTED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
NO.	NOTATIONS CHECKED	



807.05	808.09	807.58	808.67	808.10	809.26	808.53	809.84	809.78	810.43	809.50	811.04	810.33	811.65	810.98	812.26	811.68	812.87	812.39	813.49	813.02	814.10	813.57	814.71	814.11	815.32	814.65	815.94	815.23	816.55	815.85	817.16	816.48	817.77	817.11	818.39	817.62	819.00	818.09	819.28	818.53	819.56	818.92	819.84	819.34	820.13	819.76	820.41	820.21	820.69	820.66	820.97	820.91	821.25	821.09	821.53	821.24	821.81	821.35	822.09	821.66	822.38
1765+00	1766+00	1767+00	1768+00	1769+00	1770+00	1771+00	1772+00	1773+00	1774+00	1775+00	1776+00	1777+00	1778+00	1779+00	1780+00																																														

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Consulting Engineers & Land Surveyors
PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
	DRAWN - RNH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - TMM	REVISED -
PLOT DATE = 3/7/2013	DATE -	REVISED -

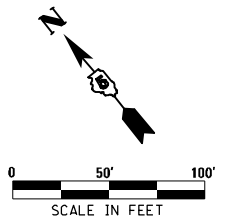
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE	
F.A.I. 74	
SCALE: 1" = 50'	SHEET 3 OF 22 SHEETS
STA. 1765+00.00 TO STA. 1780+00.00	

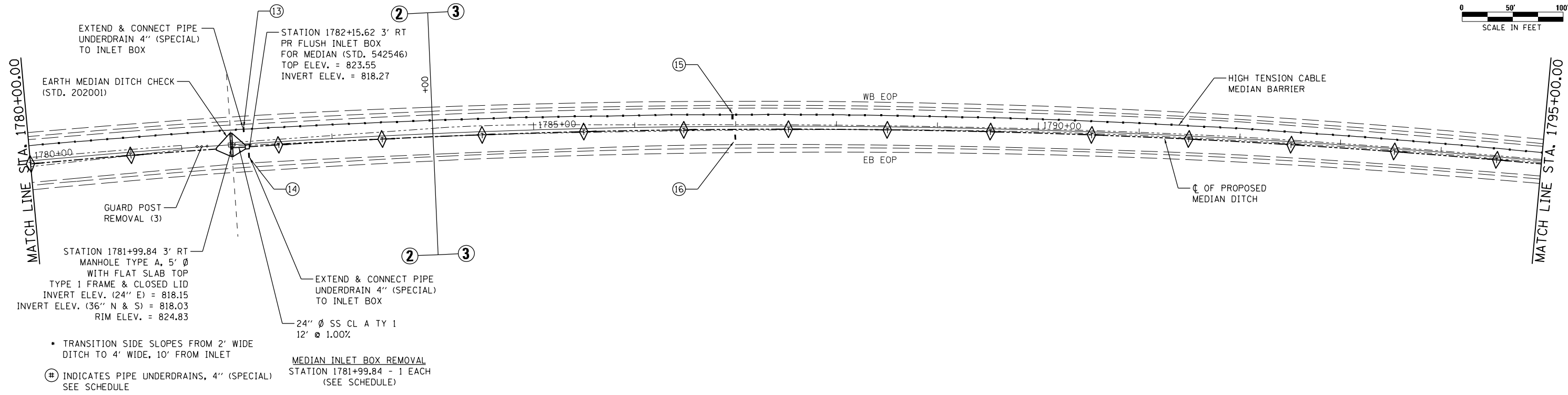
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	20
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

STA. 1781+99.84
 EXISTING MEDIAN INLET BOX
 EXISTING 36" RCCP
 USFL 70' LT. = 820.28
 DSFL 91' RT. = 815.10

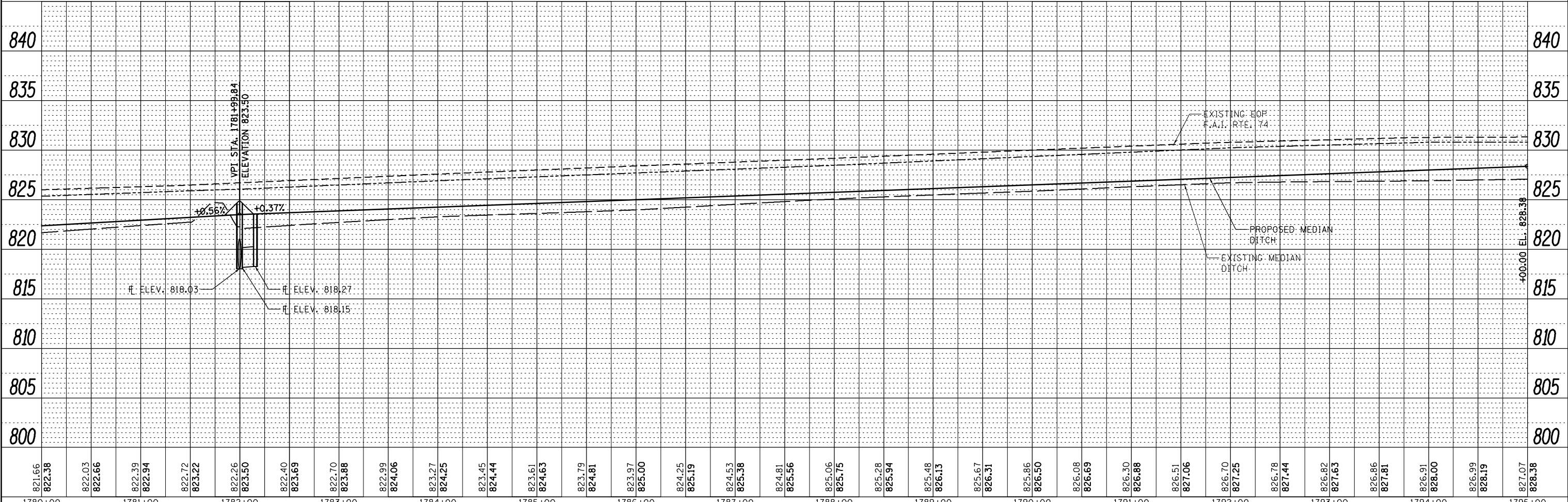
SEC. 28, T20N, R8E, 3RD P.M.



PLAN	SUBMITTED	DATE
NOTE BOOK	ALIGNED	
NO.	FILE NAME	



PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	
NO.	STRUCTURE NOTATIONS	OFFNO.



821.66	822.58	822.03	822.66	822.39	822.94	822.72	823.22	822.26	823.50	822.40	823.69	822.70	823.88	822.99	824.06	823.27	824.25	823.45	824.44	823.61	824.63	823.79	824.81	823.97	825.00	824.25	825.19	824.53	825.38	824.81	825.56	825.06	825.75	825.28	825.94	825.48	826.13	825.67	826.31	825.86	826.50	826.08	826.69	826.30	826.88	826.51	827.06	826.70	827.25	826.78	827.44	826.82	827.63	826.86	827.81	826.91	828.00	826.99	828.19	827.07	828.36
1780+00	1781+00	1782+00	1783+00	1784+00	1785+00	1786+00	1787+00	1788+00	1789+00	1790+00	1791+00	1792+00	1793+00	1794+00	1795+00																																														

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 PROFESSIONAL DESIGN NO. 184-002754

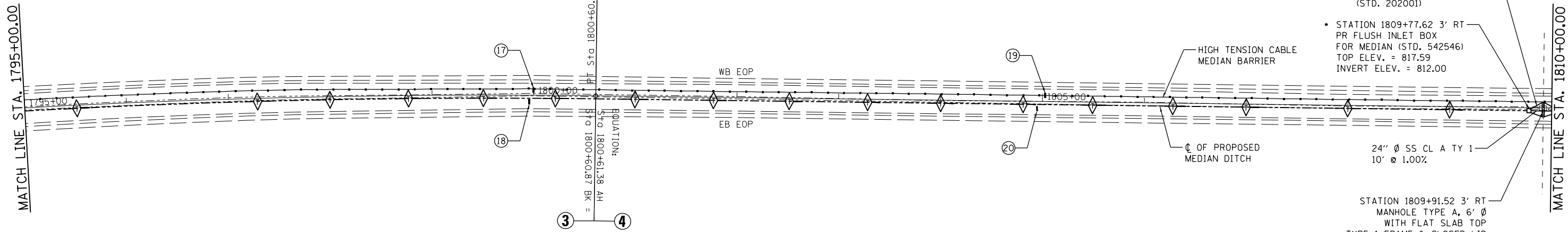
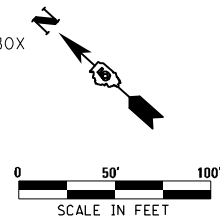
USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - RNH	REVISED -
PLOT DATE = 3/7/2013	CHECKED - TMM	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: 1" = 50'	SHEET 4	OF 22 SHEETS	STA. 1780+00.00	TO STA. 1795+00.00
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F.A.I. RTE. 74	SECTION MEDIAN CABLE 2013-1	COUNTY CHAMPAIGN	TOTAL SHEETS 119	SHEET NO. 21
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

STA. 1809+91.52
 EXISTING MEDIAN INLET BOX
 EXISTING 48" RCCP
 USFL 74" LT. = 809.86
 DSFL 85" RT. = 807.24



- TRANSITION SIDE SLOPES FROM 2' WIDE DITCH TO 4' WIDE, 10' FROM INLET
- ⊕ INDICATES PIPE UNDERDRAINS, 4" (SPECIAL) SEE SCHEDULE

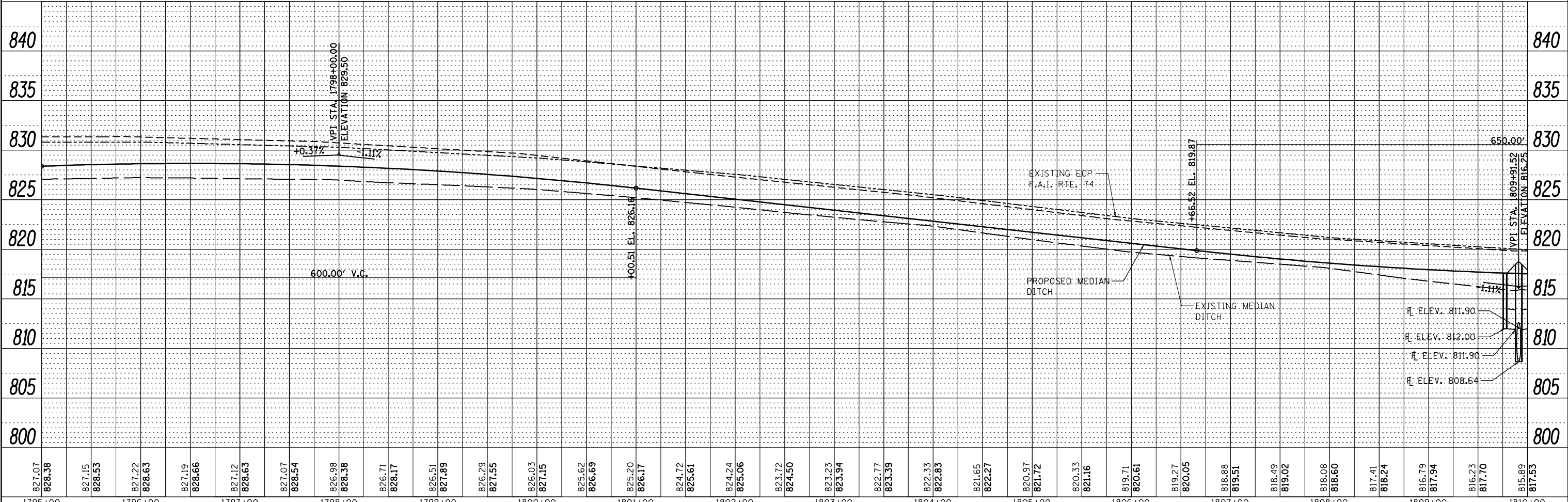
EARTH MEDIAN DITCH CHECK (STD. 202001)

- STATION 1809+77.62 3' RT PR FLUSH INLET BOX FOR MEDIAN (STD. 542546) TOP ELEV. = 817.59 INVERT ELEV. = 812.00
- STATION 1809+91.52 3' RT MANHOLE TYPE A, 6' Ø WITH FLAT SLAB TOP TYPE 1 FRAME & CLOSED LID INVERT ELEV. (24" E & W) = 811.90 INVERT ELEV. (48" N & S) = 808.64 RIM ELEV. = 818.68

24" Ø SS CL A TY 1
 10' @ 1.00%

CL OF PROPOSED MEDIAN DITCH

MEDIAN INLET BOX REMOVAL
 STATION 1809+91.52 - 1 EACH
 (SEE SCHEDULE)



PLAN	SUBMITTED	DATE
NOTE BOOK	ALIGNED CHECKED	
NO.	FILE NAME	

PROFILE	SUBMITTED	DATE
NOTE BOOK	GRADES CHECKED	
NO.	STRUCTURE NOTATIONS OFFNO	

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1795+00		1796+00		1797+00		1798+00		1799+00		1800+00		1801+00		1802+00		1803+00		1804+00		1805+00		1806+00		1807+00		1808+00		1809+00		1810+00																															

McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 PROFESSIONAL DESIGN NO. 184-002754

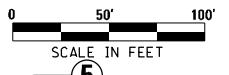
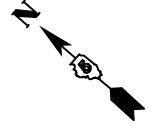
USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
	DRAWN - RNH	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED - TMM	REVISED -
PLOT DATE = 3/7/2013	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

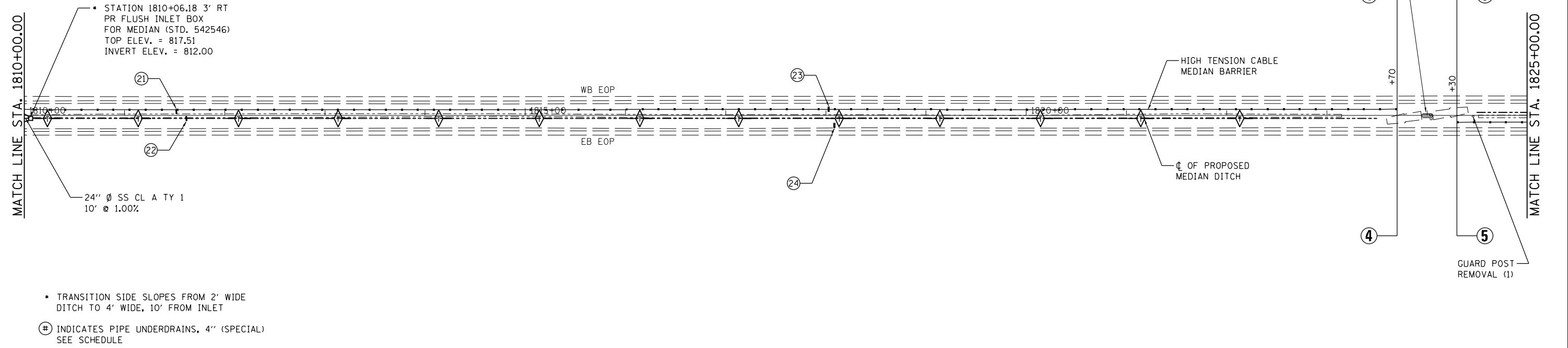
SCALE: 1" = 50'	SHEET 5	OF 22 SHEETS	STA. 1795+00.00 TO STA. 1810+00.00
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PLAN & PROFILE
 F.A.I. 74

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	22
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

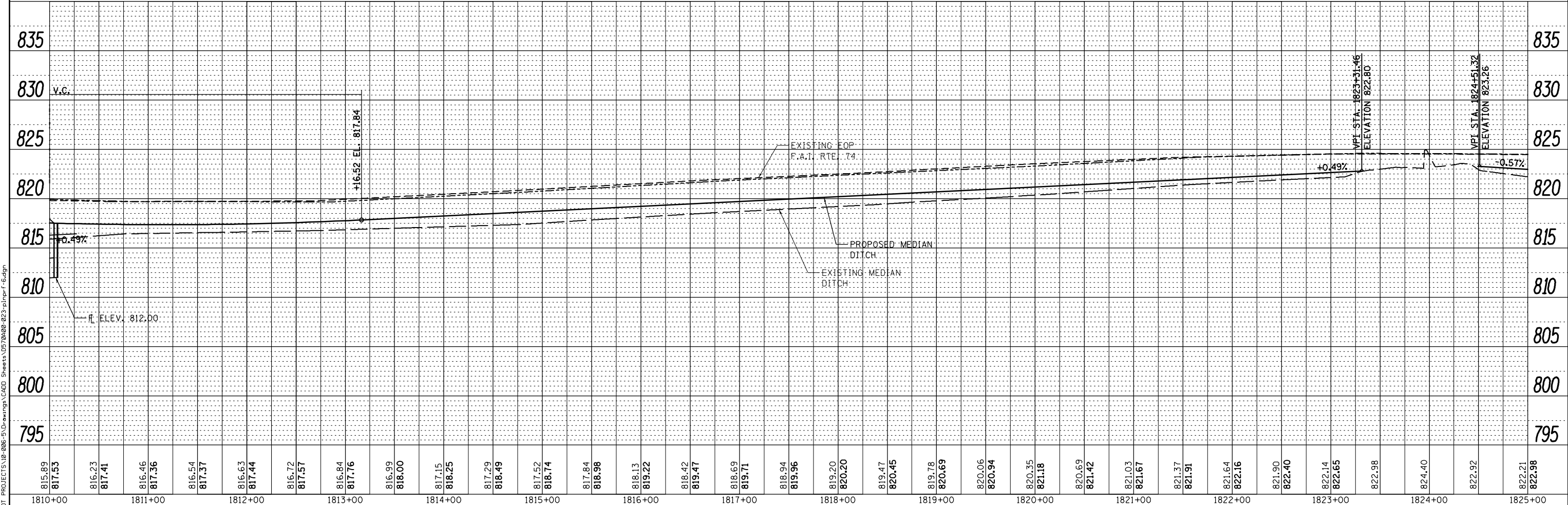


PLAN	SUBMITTED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	NOTE BOOK	
	NO.	
	FILE NAME	



- TRANSITION SIDE SLOPES FROM 2' WIDE DITCH TO 4' WIDE, 10' FROM INLET
- ⊕ INDICATES PIPE UNDERDRAINS, 4" (SPECIAL) SEE SCHEDULE

PROFILE	SUBMITTED	DATE
	PLOTTED	
	GRADES CHECKED	
	NOTE BOOK	
	NO.	
	NOTATIONS	
	STRUCTURE	
	NOTATIONS	



815.89	817.53	816.23	817.41	816.46	817.36	816.54	817.37	816.63	817.44	816.72	817.57	816.84	817.76	816.99	818.00	817.15	818.25	817.29	818.49	817.52	818.74	817.84	818.98	818.13	819.22	818.42	819.47	818.69	819.71	818.94	819.96	819.20	820.20	819.47	820.45	819.78	820.69	820.06	820.94	820.35	821.18	820.69	821.42	821.03	821.67	821.37	821.91	821.64	822.16	821.90	822.40	822.14	822.65	822.98	824.40	822.92	822.21	822.98
1810+00	1811+00	1812+00	1813+00	1814+00	1815+00	1816+00	1817+00	1818+00	1819+00	1820+00	1821+00	1822+00	1823+00	1824+00	1825+00																																											

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Consulting Engineers & Land Surveyors
PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
	DRAWN - RNH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - TMM	REVISED -
PLOT DATE = 3/7/2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

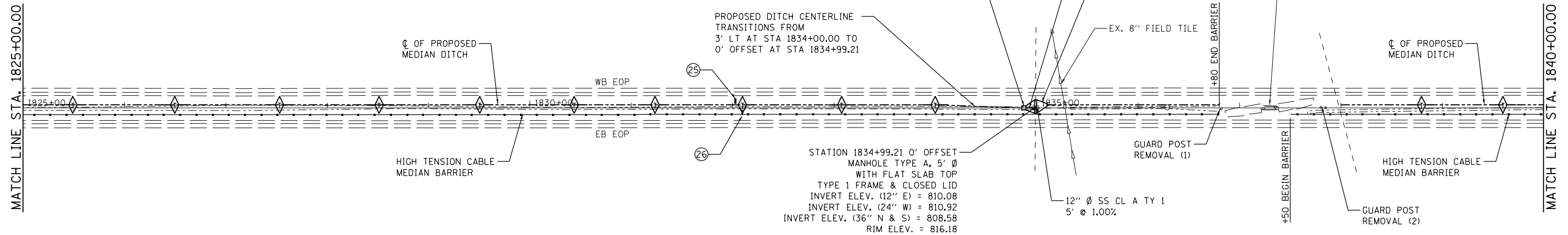
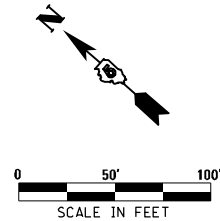
SCALE: 1" = 50'	SHEET 6	OF 22 SHEETS	STA. 1810+00.00	TO STA. 1825+00.00
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PLAN & PROFILE
F.A.I. 74

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	23
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

STA. 1834+99.21
 EXISTING MEDIAN INLET BOX
 EXISTING 36" RCCP
 USFL 68' RT. = 809.80
 DSFL 80' LT. = 807.14

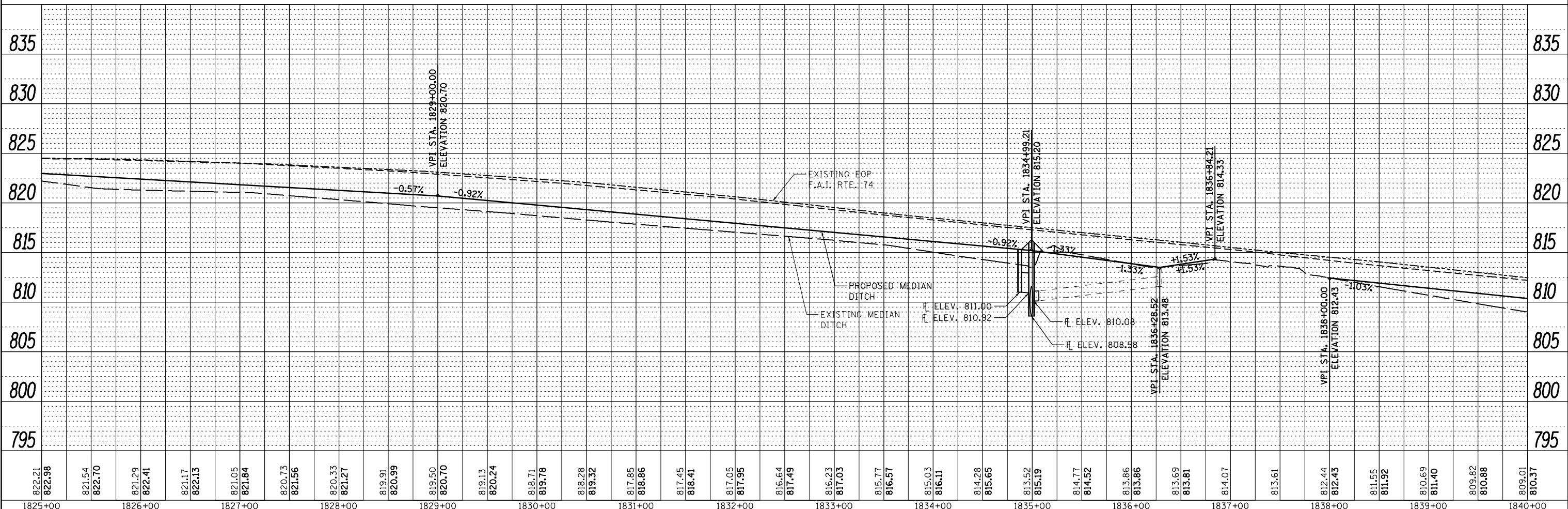
STA. 1837+98.41
 EXISTING MEDIAN INLET BOX
 EXISTING 36" RCCP
 USFL 67' RT. = 807.74
 DSFL 74' LT. = 806.79



- TRANSITION SIDE SLOPES FROM 2' WIDE DITCH TO 4' WIDE, 10' FROM INLET
- ⊕ INDICATES PIPE UNDERDRAINS, 4" (SPECIAL) SEE SCHEDULE

MEDIAN INLET BOX REMOVAL
 STATION 1834+99.21 - 1 EACH
 (SEE SCHEDULE)

STA. 1836+28.52
 EXISTING CATCH BASIN
 EXISTING 12" PIPE CULVERT TYPE 1
 USFL 0' LT. = 811.55
 DSFL 0' LT. = 810.08



PLAN	SURVEYED	DATE
NOTE BOOK	ALIGNED	
NO.	CHECKED	
	FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	
NO.	STRUCTURE	NOTATIONS OFFD

F:\Projects\UDOT PROJECTS\18-086-5\Drawings\CADD Sheets\03704800-024-pln\p17.dgn

822.21	822.98	821.54	822.70	821.29	822.41	821.17	822.13	821.05	821.84	820.73	821.56	820.33	821.27	819.91	820.99	819.50	820.70	819.13	820.24	818.71	819.78	818.28	819.32	817.85	818.86	817.45	818.41	817.05	817.95	816.64	817.49	816.23	817.03	815.77	816.57	815.03	816.11	814.28	815.65	813.52	815.19	814.77	814.52	813.86	813.86	813.69	813.81	814.07	813.61	812.44	812.43	811.55	811.92	810.69	811.40	809.82	810.88	809.01	810.37
1825+00	1826+00	1827+00	1828+00	1829+00	1830+00	1831+00	1832+00	1833+00	1834+00	1835+00	1836+00	1837+00	1838+00	1839+00	1840+00																																												

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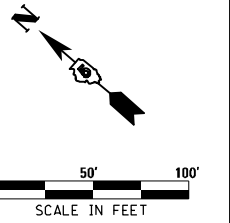
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	DRAWN - RNH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - TMM	REVISED -
PLOT DATE = 3/7/2013	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: 1" = 50'	SHEET 7	OF 22 SHEETS	STA. 1825+00.00 TO STA. 1840+00.00
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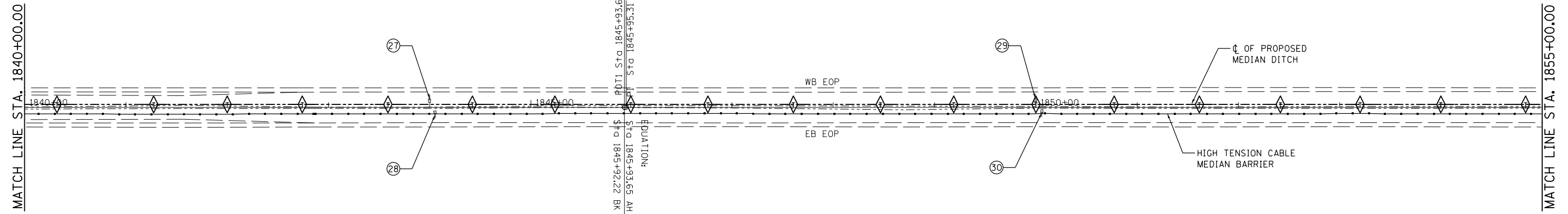
PLAN & PROFILE
 F.A.I. 74

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	24
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

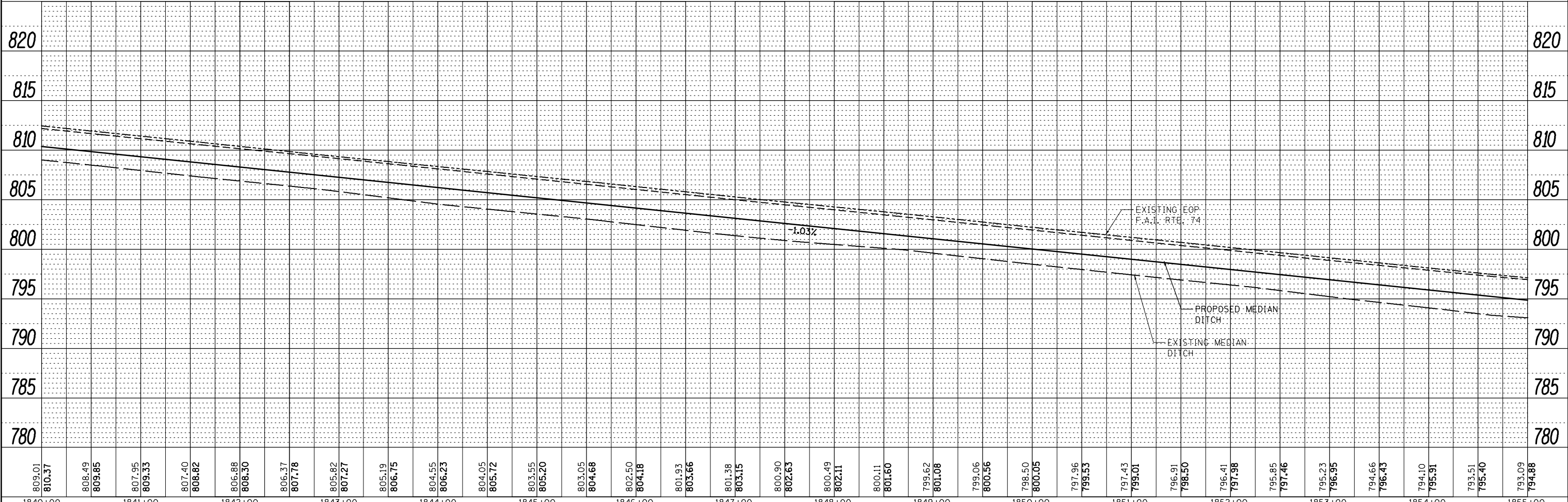


PLAN	SUBMITTED	DATE
NO.	BY	
	ALIGNED	
	CHECKED	
	FILE NAME	

PROFILE	SUBMITTED	DATE
NO.	BY	
	GRADES	
	CHECKED	
	NOTATIONS	



- TRANSITION SIDE SLOPES FROM 2' WIDE DITCH TO 4' WIDE, 10' FROM INLET
- ⊕ INDICATES PIPE UNDERDRAINS, 4" (SPECIAL) SEE SCHEDULE



809.01	810.37	808.49	809.85	807.95	809.33	807.40	808.82	806.88	808.30	806.37	807.78	805.82	807.27	805.19	806.75	804.55	806.23	804.05	805.72	803.55	805.20	803.05	804.68	802.50	804.18	801.93	803.66	801.38	803.15	800.90	802.63	800.49	802.11	800.11	801.60	799.62	801.08	799.06	800.56	798.50	800.05	797.96	799.63	797.43	799.01	796.91	798.50	796.41	797.98	795.85	797.46	795.23	796.95	794.66	796.43	794.10	795.91	793.51	795.40	793.09	794.88
1840+00	1841+00	1842+00	1843+00	1844+00	1845+00	1846+00	1847+00	1848+00	1849+00	1850+00	1851+00	1852+00	1853+00	1854+00	1855+00																																														

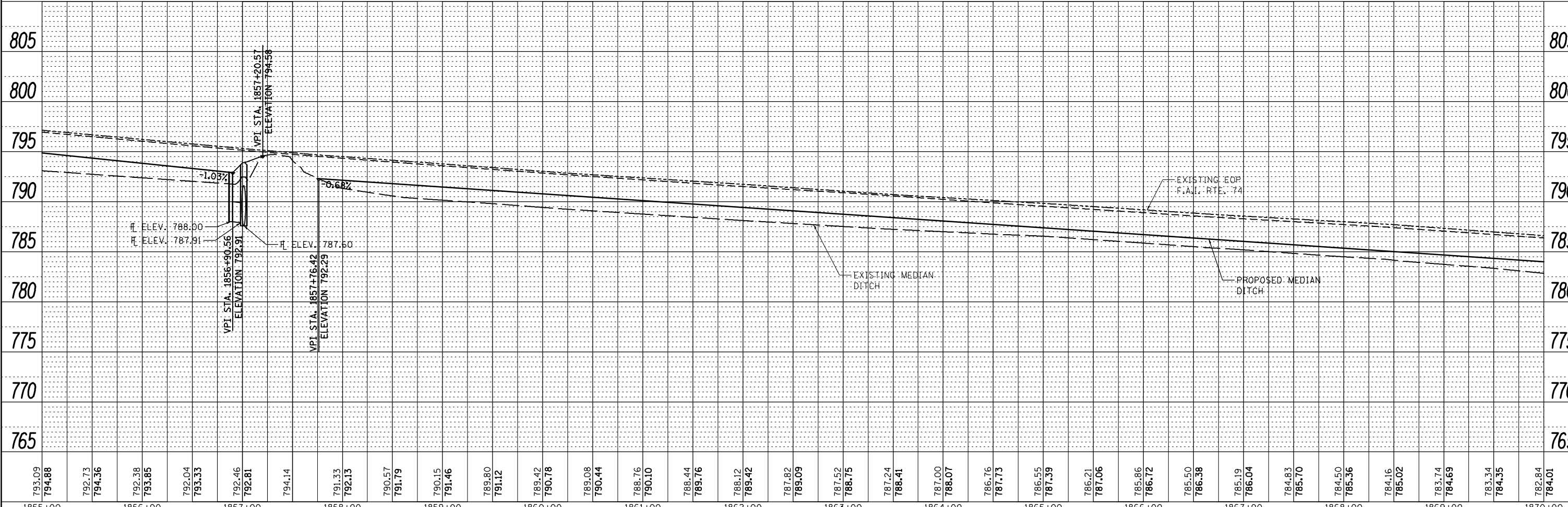
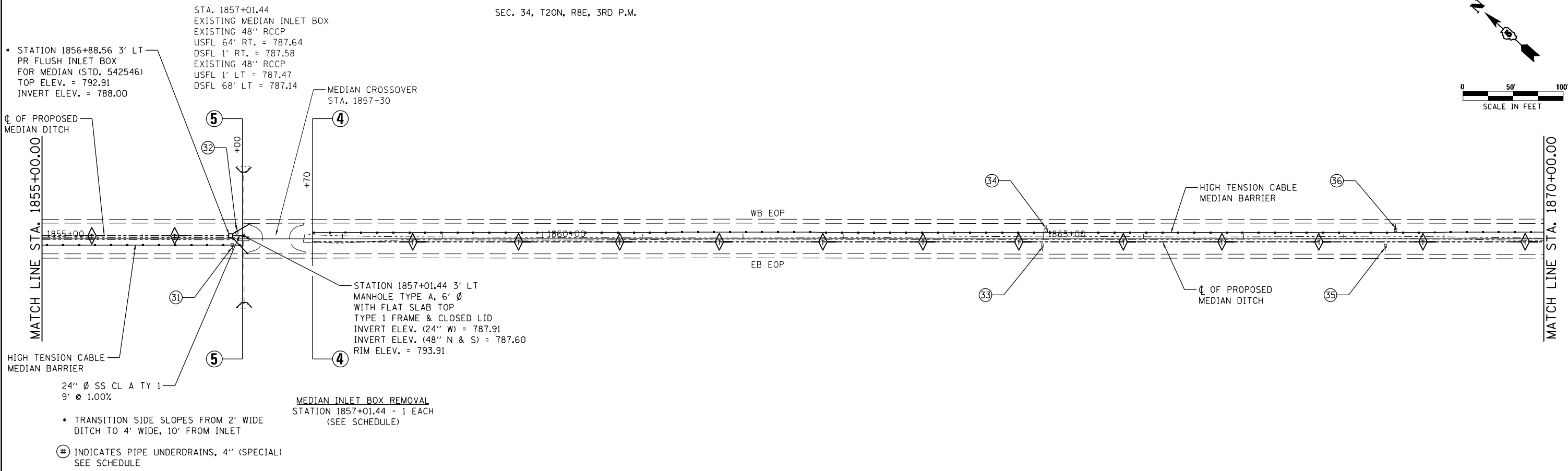
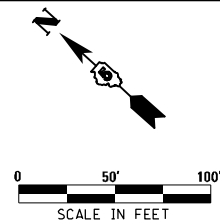
McDonough-Whitlow, P.C.
Consulting Engineers & Land Surveyors
PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
	DRAWN - RNH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - TMM	REVISED -
PLOT DATE = 3/7/2013	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN & PROFILE			
F.A.I. 74			
SCALE: 1" = 50'	SHEET 8	OF 22 SHEETS	STA. 1840+00.00 TO STA. 1855+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	25
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	



PLAN	SUBMITTED	DATE
NOTE BOOK	ALIGNED	
NO.	CHECKED	
	FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	
NO.	STRUCTURE	NOTATIONS OFFD

793.09	794.88	792.73	794.36	792.38	793.85	792.04	793.33	792.46	792.81	794.14	791.33	792.13	790.57	791.79	790.15	791.46	789.80	791.12	789.42	790.78	789.08	790.44	788.76	790.10	788.44	789.76	788.12	789.42	787.82	789.09	787.52	788.75	787.24	788.41	787.00	788.07	786.76	787.73	786.55	787.39	786.21	787.06	785.86	786.72	785.50	786.36	785.19	786.04	784.83	785.70	784.50	785.36	784.16	785.02	783.74	784.69	783.34	784.35	782.84	784.01
1855+00	1856+00	1857+00	1858+00	1859+00	1860+00	1861+00	1862+00	1863+00	1864+00	1865+00	1866+00	1867+00	1868+00	1869+00	1870+00																																													

McDonough-Whitlow, P.C.
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USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
	DRAWN - RNH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - TMM	REVISED -
PLOT DATE = 3/7/2013	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: 1" = 50'	SHEET 9	OF 22 SHEETS	STA. 1855+00.00	TO STA. 1870+00.00
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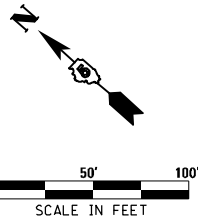
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	26
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

STA. 1036+04.04
EXISTING 24" RCCP
USFL 5' LT. = 780.26
DSFL 65' LT. = 779.88

SEC. 34, T20N, R8E, 3RD P.M.

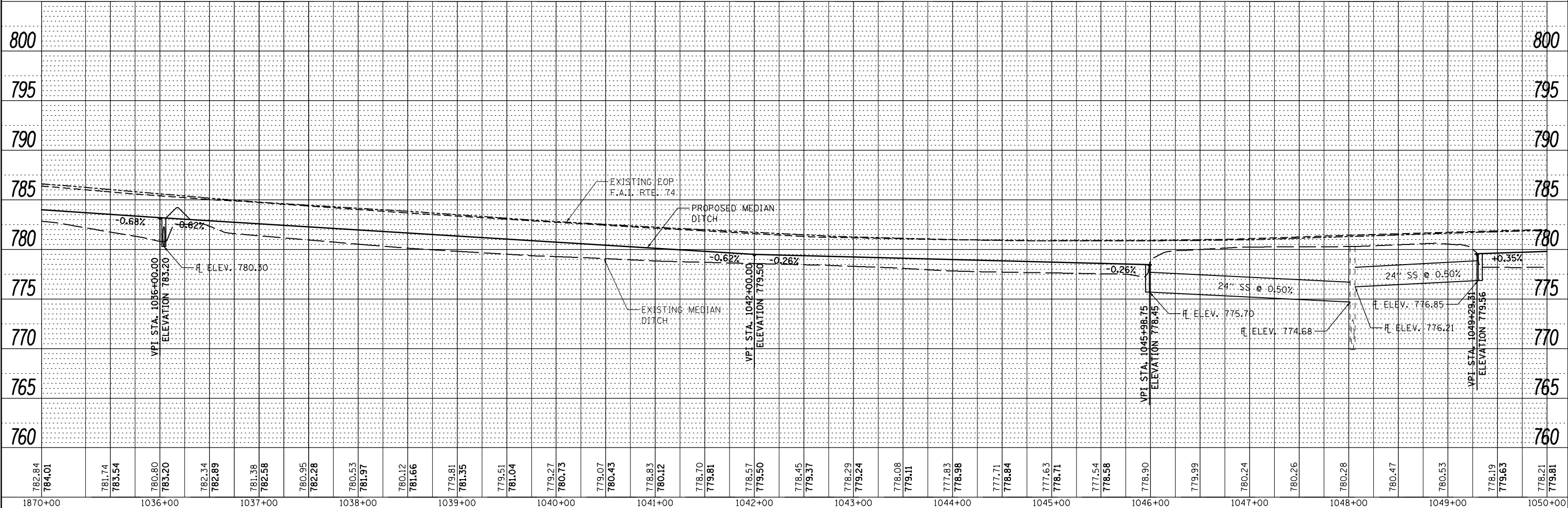
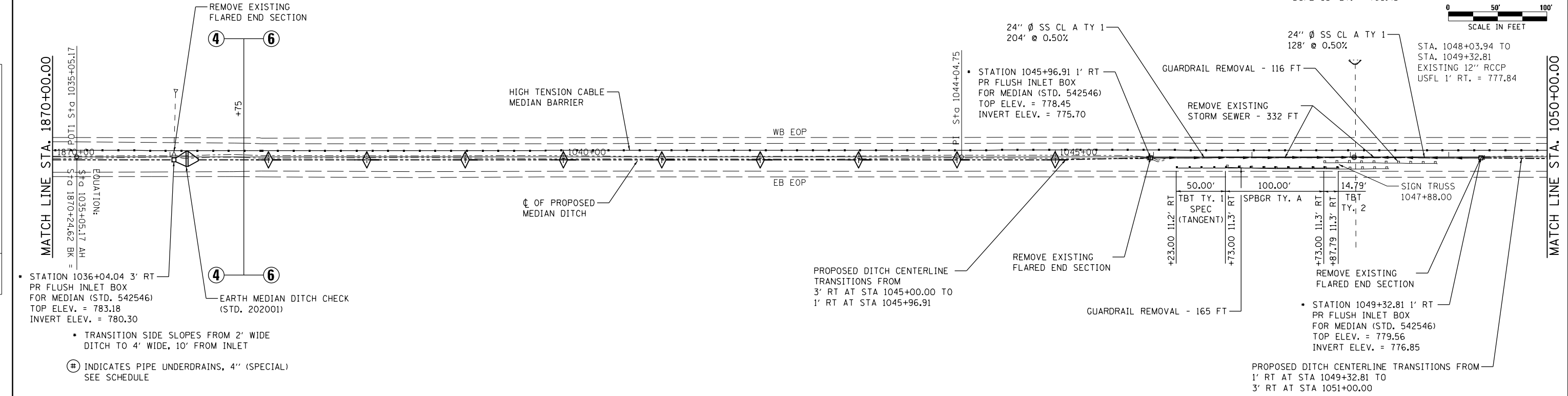
STA. 1045+96.91 TO
STA. 1048+03.94
EXISTING 12" RCCP
USFL 1' RT. = 777.01

STA. 1048+03.94
EXISTING MANHOLE
RIM ELEVATION = 780.26
EXISTING 36" PIPE CULVERT
USFL 95' RT. = 770.32
DSFL 95' LT. = 769.45



PLAN	SUBMITTED	DATE
NOTE BOOK	PLOTTED	BY
NO.	ALIGNMENT CHECKED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	FILE NAME	

PROFILE	SUBMITTED	DATE
NOTE BOOK	PLOTTED	BY
NO.	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	



800	795	790	785	780	775	770	765	760	1870+00	1036+00	1037+00	1038+00	1039+00	1040+00	1041+00	1042+00	1043+00	1044+00	1045+00	1046+00	1047+00	1048+00	1049+00	1050+00																														
782.84	784.01	781.74	783.54	780.80	783.20	782.34	782.89	781.38	782.58	780.95	782.28	780.53	781.97	780.12	781.66	779.81	781.35	779.51	781.04	779.27	780.73	779.07	780.43	778.83	780.12	778.70	779.81	778.57	779.50	778.45	779.37	778.29	779.24	778.08	779.11	777.83	778.98	777.71	778.84	777.63	778.71	777.54	778.58	778.90	779.99	780.24	780.26	780.28	780.47	780.53	778.19	779.63	778.21	779.81

McDonough-Whitlow, P.C.
Consulting Engineers & Land Surveyors
PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
	DRAWN - RNH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - TMM	REVISED -
PLOT DATE = 3/7/2013	DATE -	REVISED -

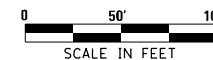
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE			
F.A.I. 74			
SCALE: 1" = 50'	SHEET 10	OF 22 SHEETS	STA. 1870+00.00 TO STA. 1050+00.00

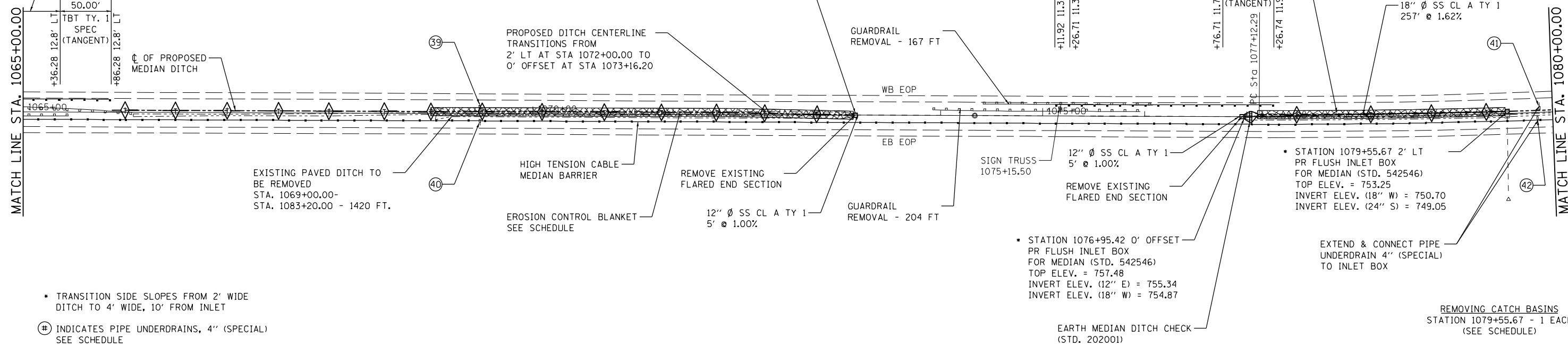
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	27
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

STA. 1074+33.35
 EXISTING MANHOLE
 RIM ELEVATION = 762.9
 STA. 1073+16.20 TO STA. 1076+95.42
 EXISTING 12" RCCP
 USFL 0' LT. = 762.57
 DSFL 0' LT. = 755.34

STA. 1079+55.67
 EXISTING CATCH BASIN
 EXISTING 24" RCP
 DSFL 3' RT. = 748.96
 USFL 82' RT. = 749.02



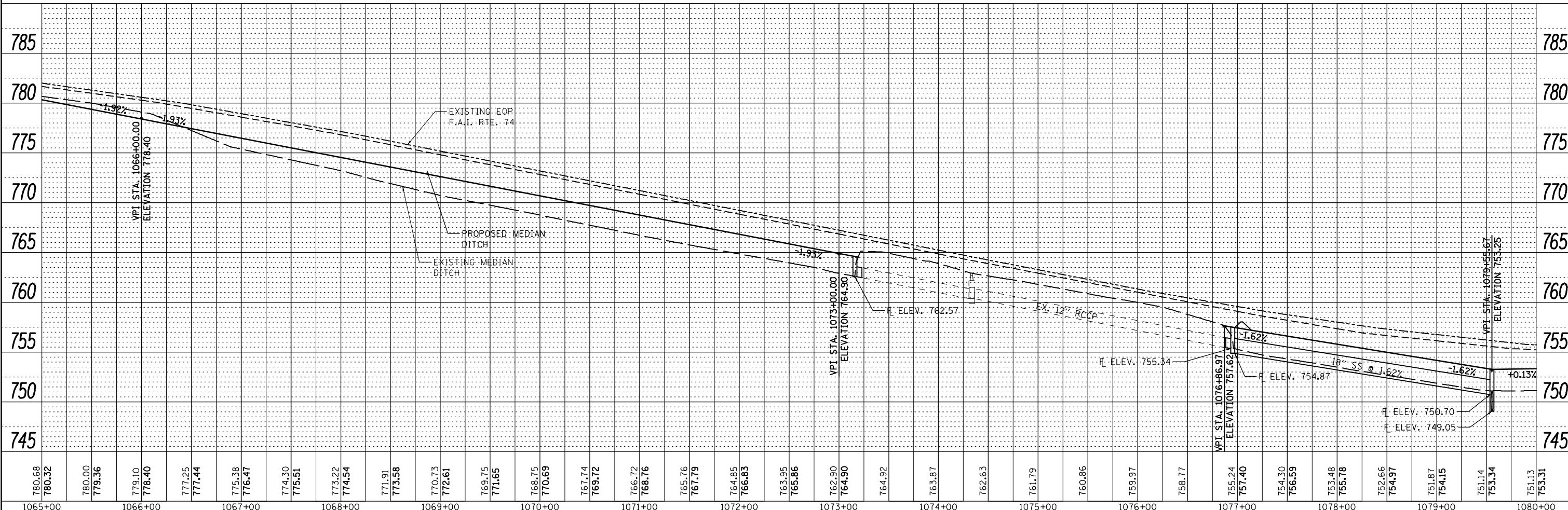
PLAN	SUBMITTED	DATE
NOTE BOOK	ALIGNED	
NO.	CHECKED	
	FILE NAME	



• TRANSITION SIDE SLOPES FROM 2' WIDE DITCH TO 4' WIDE, 10' FROM INLET

⊕ INDICATES PIPE UNDERDRAINS, 4" (SPECIAL) SEE SCHEDULE

PROFILE	SUBMITTED	DATE
NOTE BOOK	GRADES CHECKED	
NO.	STRUCTURE	NOTATIONS
	OFFNO.	



780.68	780.32	780.00	779.36	779.10	778.40	777.25	777.44	775.38	776.47	774.30	775.51	773.22	774.54	771.91	773.58	770.73	772.61	769.75	771.65	768.75	770.69	767.74	769.72	766.72	768.76	765.76	767.79	764.85	766.83	763.95	765.86	762.90	764.90	764.92	763.87	762.63	761.79	760.86	759.97	758.77	755.24	757.40	754.30	756.59	753.48	755.78	752.66	754.97	751.87	754.15	751.14	753.34	751.13	753.31
1065+00	1066+00	1067+00	1068+00	1069+00	1070+00	1071+00	1072+00	1073+00	1074+00	1075+00	1076+00	1077+00	1078+00	1079+00	1080+00																																							

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 PROFESSIONAL DESIGN NO. 184-002754

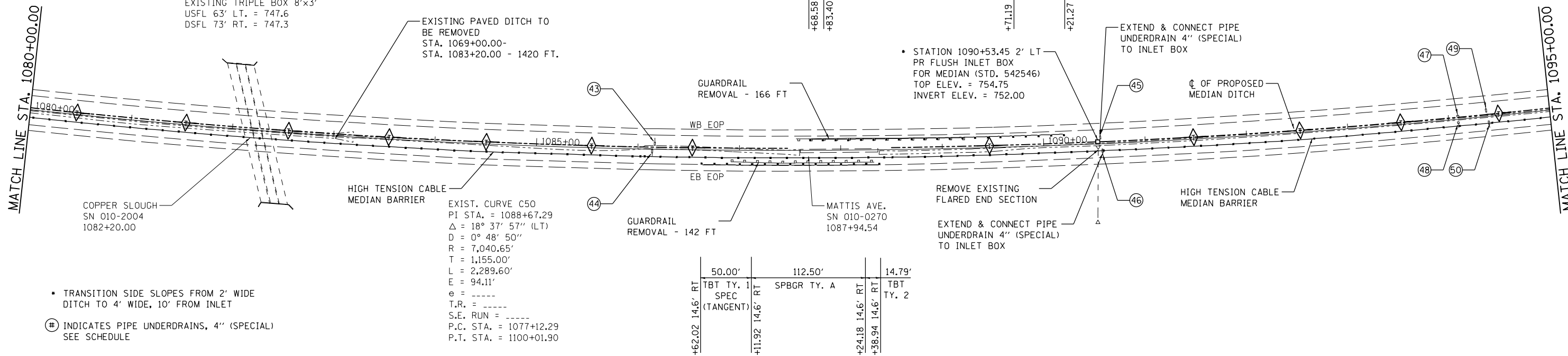
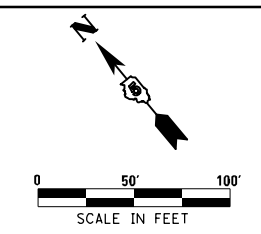
USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
	DRAWN - RNH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - TMM	REVISED -
PLOT DATE = 3/7/2013	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE
 F.A.I. 74

SCALE: 1" = 50' SHEET 12 OF 22 SHEETS STA. 1065+00.00 TO STA. 1080+00.00

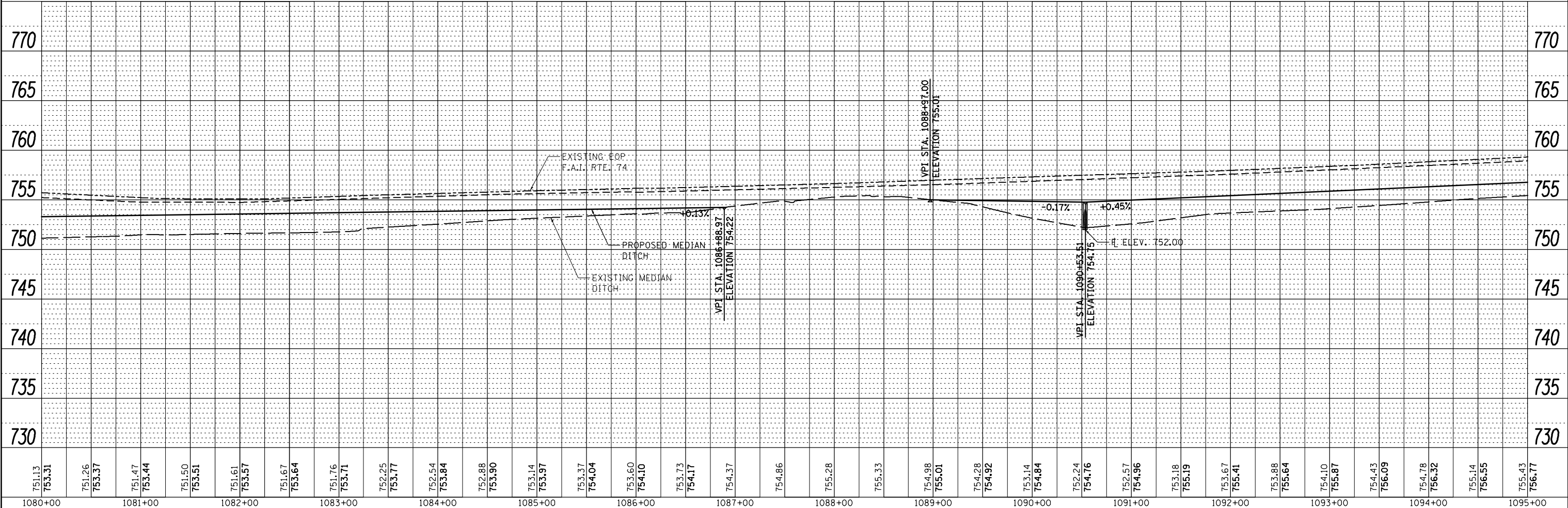
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	29
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	



- TRANSITION SIDE SLOPES FROM 2' WIDE DITCH TO 4' WIDE, 10' FROM INLET
- ⊕ INDICATES PIPE UNDERDRAINS, 4" (SPECIAL) SEE SCHEDULE

EXIST. CURVE C50
 PI STA. = 1088+67.29
 $\Delta = 18^\circ 37' 57''$ (LT)
 $D = 0^\circ 48' 50''$
 $R = 7,040.65'$
 $T = 1,155.00'$
 $L = 2,289.60'$
 $E = 94.11'$
 $e = \text{---}$
 $T.R. = \text{---}$
 $S.E. RUN = \text{---}$
 $P.C. STA. = 1077+12.29$
 $P.T. STA. = 1100+01.90$

50.00'	112.50'	14.79'
TBT TY. 1 SPEC (TANGENT)	SPBGR TY. A	TBT TY. 2
+62.02 14.6' RT	+11.92 14.6' RT	+24.18 14.6' RT
+68.58 11.0' LT	+83.40 11.0' LT	+71.19 11.0' LT
		+21.27 11.0' LT



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	DESIGNED	
	FILED	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CHKD	
	NO.	

751.13	753.31	751.26	753.37	751.47	753.44	751.50	753.51	751.61	753.57	751.67	753.64	751.76	753.71	752.25	753.77	752.54	753.84	752.88	753.90	753.14	753.97	753.37	754.04	753.60	754.10	753.73	754.17	754.37	754.86	755.28	755.33	754.98	755.01	754.28	754.92	753.14	754.84	752.24	754.76	752.57	754.96	753.18	755.19	753.67	755.41	753.88	755.64	754.10	755.87	754.43	756.09	754.78	756.32	755.14	756.55	755.43	756.77
1080+00	1081+00	1082+00	1083+00	1084+00	1085+00	1086+00	1087+00	1088+00	1089+00	1090+00	1091+00	1092+00	1093+00	1094+00	1095+00																																										

USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
	DRAWN - RNH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - TMM	REVISED -
PLOT DATE = 3/7/2013	DATE -	REVISED -

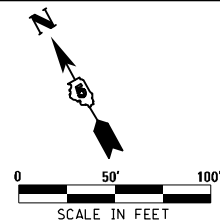
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: 1" = 50'	SHEET 13	OF 22 SHEETS	STA. 1080+00.00	TO STA. 1095+00.00
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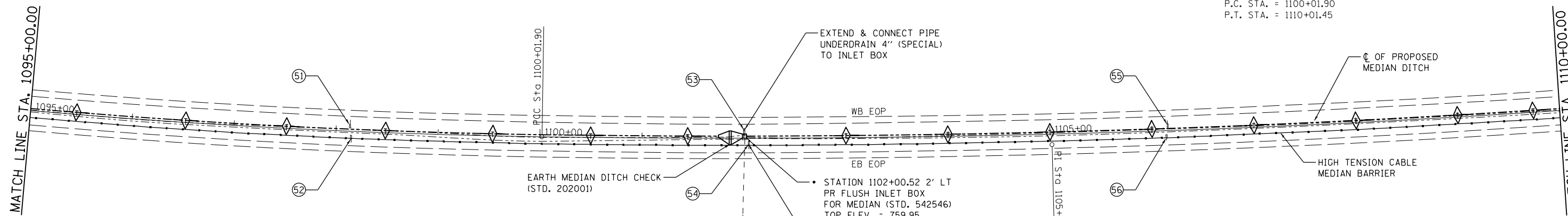
PLAN & PROFILE
 F.A.I. 74

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	30
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

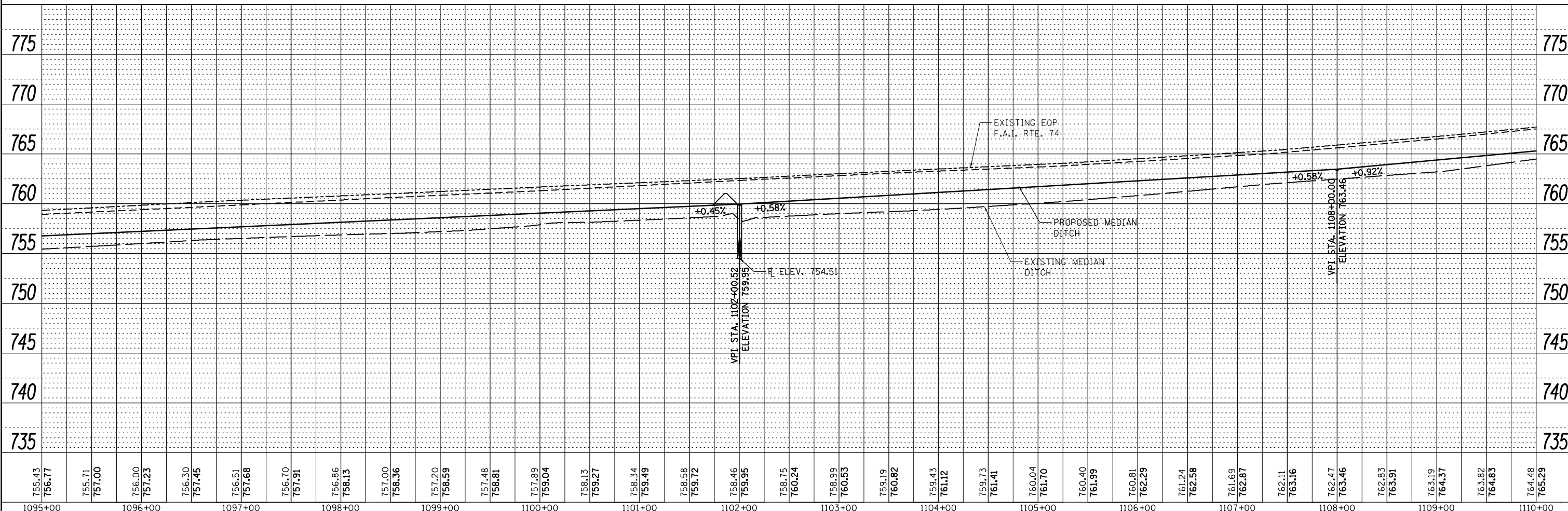
EXIST. CURVE C49
 PI STA. = 1105+01.95
 $\Delta = 4^\circ 41' 02''$ (LT)
 $D = 0^\circ 28' 07''$
 $R = 12,227.02'$
 $T = 500.06'$
 $L = 999.55'$
 $E = 10.22'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. \text{ RUN} = \text{-----}$
 P.C. STA. = 1100+01.90
 P.T. STA. = 1110+01.45



STA. 1102+00.52
 EXISTING MEDIAN INLET BOX
 EXISTING 24" RCP
 USFL 0' RT. = 754.51
 DSFL 87' RT. = UNKNOWN



- TRANSITION SIDE SLOPES FROM 2' WIDE DITCH TO 4' WIDE, 10' FROM INLET
- ⊕ INDICATES PIPE UNDERDRAINS, 4" (SPECIAL) SEE SCHEDULE



PLAN	SUBMITTED	DATE
NOTE BOOK NO.	ALIGNED CHECKED	
	PLOTTED	
	CAD FILE NAME	

PROFILE	SUBMITTED	DATE
NOTE BOOK NO.	GRADES CHECKED	
	STRUCTURE	
	NOTATIONS	

F:\Projects\DOT PROJECTS\10-086-S\Drawings\CADD Sheets\0370480-037-pln-pr-f-14.dgn

McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - RNH	REVISED -
PLOT DATE = 3/7/2013	CHECKED - TMM	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE	
F.A.I. 74	
SCALE: 1" = 50'	SHEET 14 OF 22 SHEETS
STA. 1095+00.00 TO STA. 1110+00.00	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	31
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

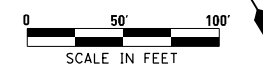
SEC. 4, T19N, R9E, 3RD P.M.

STA. 343+54+81
EXISTING MEDIAN INLET BOX
USFL 1' RT. = 706.10
DSFL 8' RT. = 705.14

STA. 345+05.51
EXISTING MEDIAN INLET BOX
USFL 0' RT. = 705.60
DSFL 9' RT. = 704.85

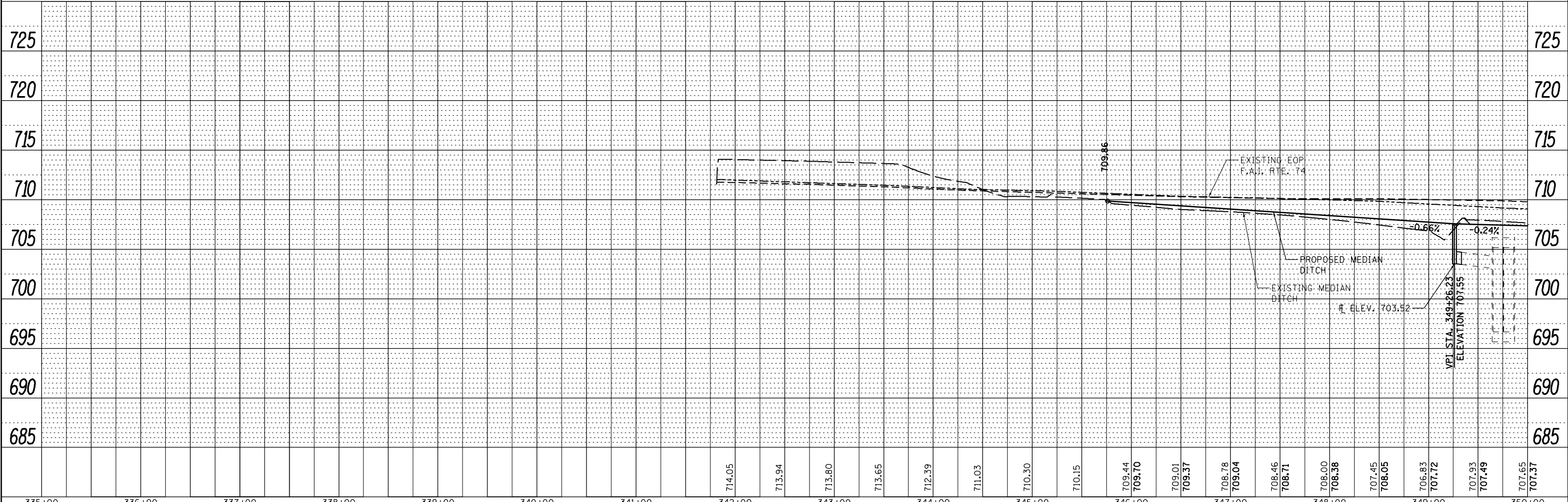
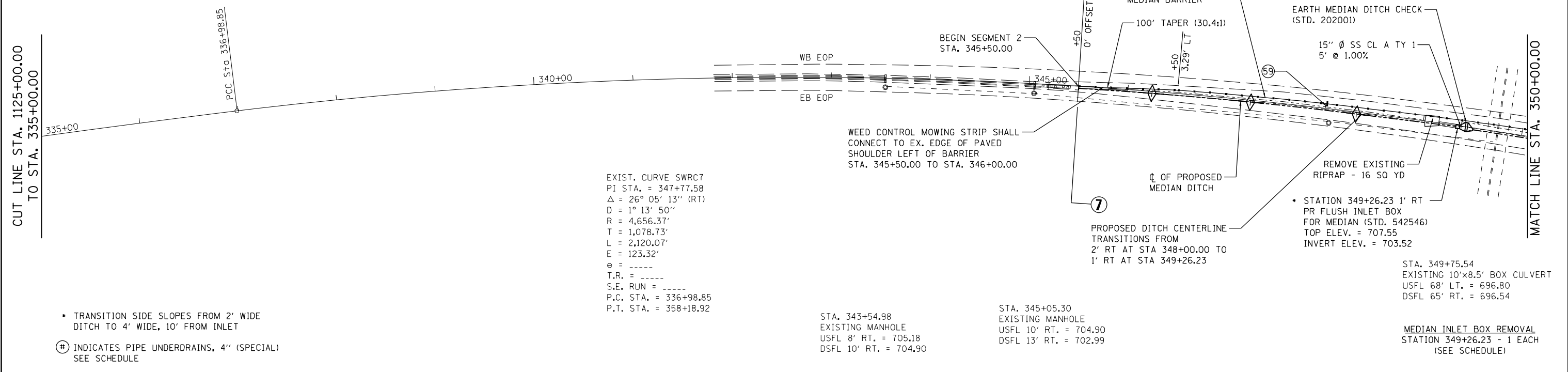
STA. 348+05.04
EXISTING MANHOLE
USFL 13' RT. = 702.99
DSFL = UNKNOWN

STA. 349+26.23
EXISTING MEDIAN INLET BOX
EXISTING 15" CMP
USFL 0' RT. = 703.521
DSFL = UNKNOWN



CUT LINE STA. 1125+00.00
TO STA. 335+00.00

MATCH LINE STA. 350+00.00



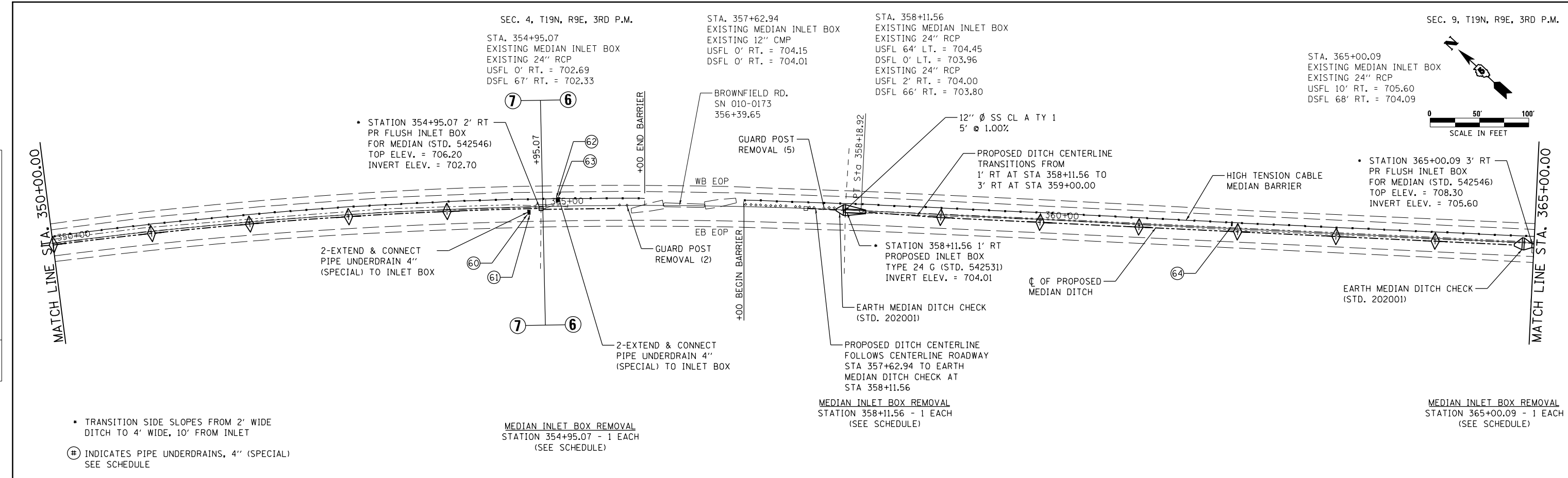
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	PLOTTED	
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	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	

PROFILE	SUBMITTED	DATE
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	GRADES CHECKED	
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	NOTE BOOK NO.	
	FILE NAME	

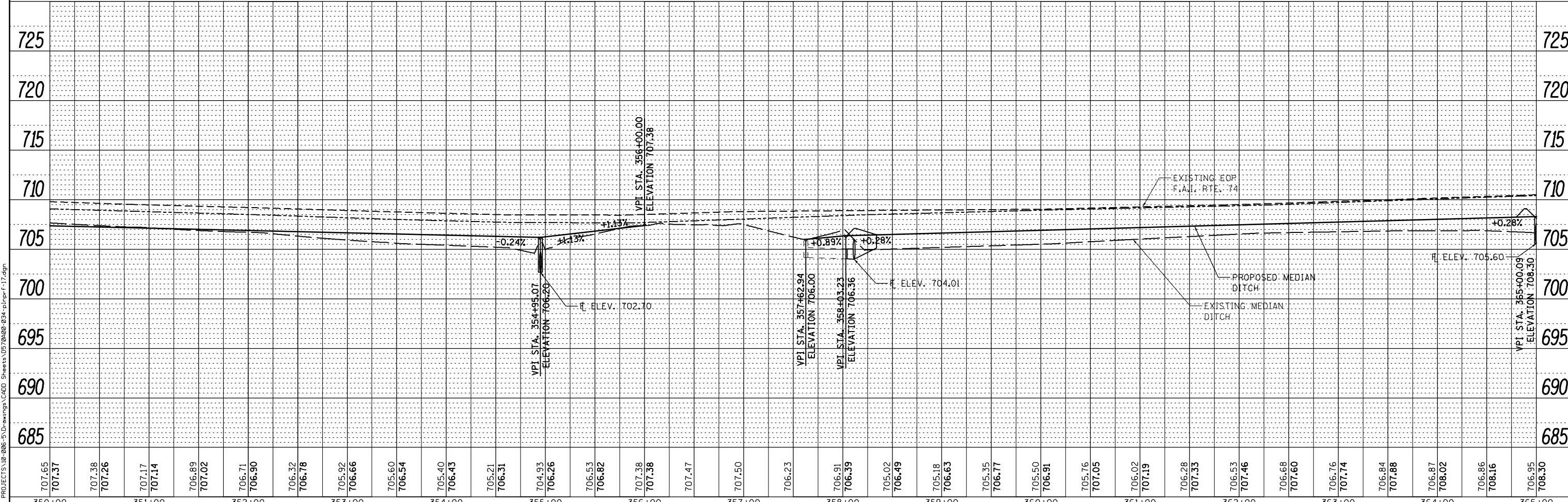
335+00	336+00	337+00	338+00	339+00	340+00	341+00	342+00	343+00	344+00	345+00	346+00	347+00	348+00	349+00	350+00
USER NAME = Richard Heinke			DESIGNED - JAH	REVISED -											
			DRAWN - RNH	REVISED -											
PLOT SCALE = 100.0000' / in.			CHECKED - TMM	REVISED -											
PLOT DATE = 3/7/2013			DATE -	REVISED -											
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION															
PLAN & PROFILE F.A.I. 74															
SCALE: 1" = 50' SHEET 16 OF 22 SHEETS STA. TO STA. 1350+00.00															
McDonough-Whitlow, P.C. Consulting Engineers & Land Surveyors PROFESSIONAL DESIGN NO. 184-002754			SECTION 74			COUNTY CHAMPAIGN			TOTAL SHEETS 119			SHEET NO. 33			
CONTRACT NO. 70A00 ILLINOIS FED. AID PROJECT															

PLAN	SUBMITTED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
NOTE BOOK NO.	FILE NAME	

PROFILE	SUBMITTED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	
NOTE BOOK NO.	NOTATION	



- TRANSITION SIDE SLOPES FROM 2' WIDE DITCH TO 4' WIDE, 10' FROM INLET
- ⊕ INDICATES PIPE UNDERDRAINS, 4" (SPECIAL) SEE SCHEDULE



707.65	707.37	707.38	707.26	707.17	707.14	706.89	707.02	706.71	706.90	706.32	706.78	705.92	706.66	705.60	706.54	705.40	706.43	705.21	706.31	704.93	706.26	706.53	706.82	707.38	707.38	707.47	707.50	706.23	706.91	706.39	705.02	706.49	705.18	706.63	705.35	706.77	705.50	706.91	705.76	707.05	706.02	707.19	706.28	707.35	706.53	707.46	706.68	707.60	706.76	707.74	706.84	707.88	706.87	708.02	706.86	708.16	706.95	708.30
350+00	351+00	352+00	353+00	354+00	355+00	356+00	357+00	358+00	359+00	360+00	361+00	362+00	363+00	364+00	365+00																																											

McDonough-Whitlow, P.C.
Consulting Engineers & Land Surveyors
PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
	DRAWN - RNH	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED - TMM	REVISED -
PLOT DATE = 3/7/2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE			
F.A.I. 74			
SCALE: 1" = 50'	SHEET 17	OF 22 SHEETS	STA. 350+00.00 TO STA. 365+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	34
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

SEC. 9, T19N, R9E, 3RD P.M.

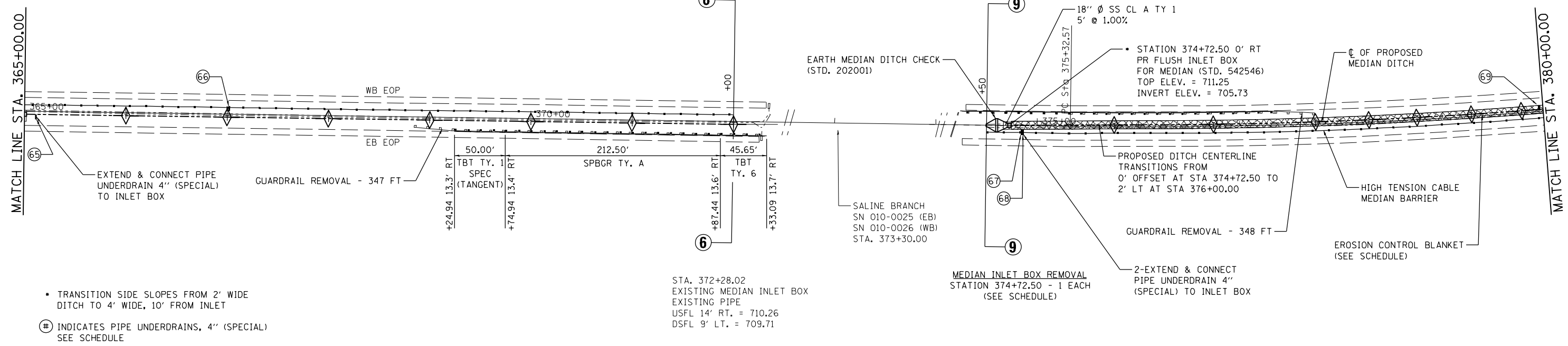
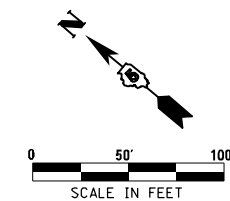
SEC. 10, T19N, R9E, 3RD P.M.

STA. 374+72.50

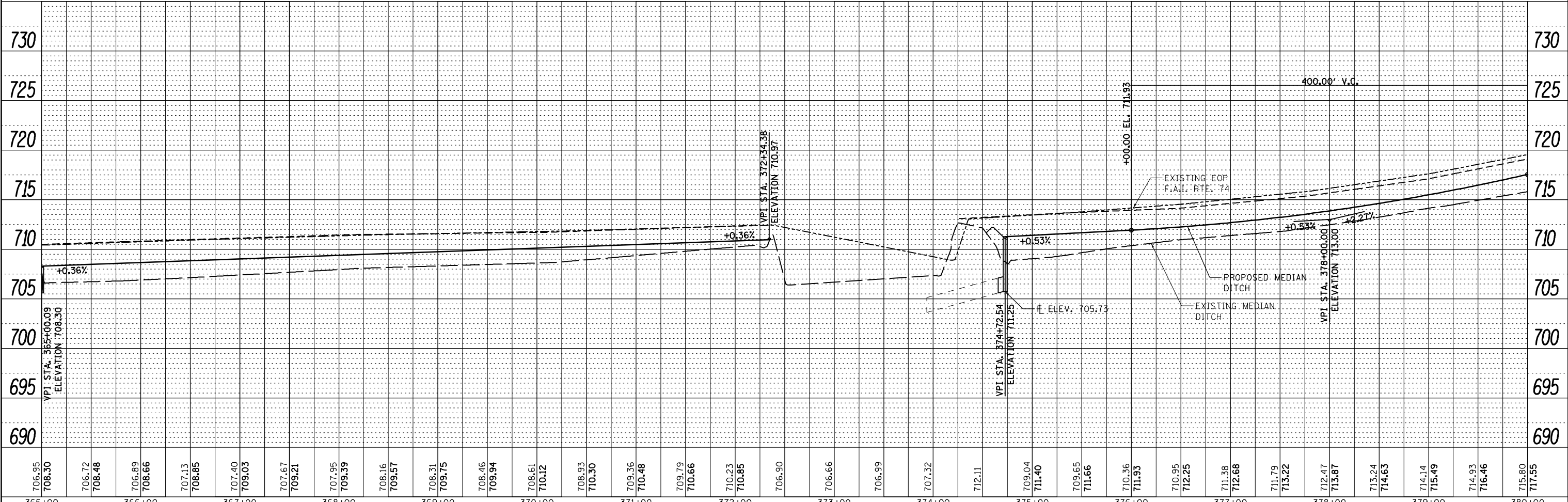
EXISTING MEDIAN INLET BOX
 EXISTING 18" CMP INTO CREEK
 USFL 0' LT. = 705.73
 DSFL 0' LT. = 703.62

STA. 372+34.95
 EXISTING MEDIAN INLET BOX
 EXISTING PIPE
 USFL 14' LT. = 710.14
 DSFL 10' LT. = 709.89

STA. 372+28.02
 EXISTING MEDIAN INLET BOX
 EXISTING PIPE
 USFL 14' RT. = 710.26
 DSFL 9' LT. = 709.71



- TRANSITION SIDE SLOPES FROM 2' WIDE DITCH TO 4' WIDE, 10' FROM INLET
- ⊕ INDICATES PIPE UNDERDRAINS, 4" (SPECIAL) SEE SCHEDULE



706.95	708.30	706.72	708.48	706.89	708.66	707.13	708.85	707.40	709.03	707.67	709.21	707.95	709.39	708.16	709.57	708.31	709.75	708.46	709.94	708.61	710.12	708.93	710.30	709.36	710.48	709.79	710.66	710.23	710.85	706.90	706.66	706.99	707.32	712.11	709.04	711.40	709.65	711.66	710.36	711.93	710.95	712.25	711.38	712.68	711.79	713.22	712.47	713.87	713.24	714.63	714.14	715.49	714.93	716.46	715.80	717.55
365+00	366+00	367+00	368+00	369+00	370+00	371+00	372+00	373+00	374+00	375+00	376+00	377+00	378+00	379+00	380+00																																									

PLAN	SUBMITTED	DATE
NOTE BOOK	ALIGNED	
NO.	CHECKED	
	FILE NAME	

PROFILE	SUBMITTED	DATE
NOTE BOOK	GRADES CHECKED	
NO.	STRUCTURE	NOTATIONS
	OFF	

McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
PLOT SCALE = 100.0000' / 1"	DRAWN - RNH	REVISED -
PLOT DATE = 3/7/2013	CHECKED - TMM	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

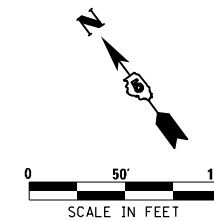
SCALE: 1" = 50'	SHEET 18	OF 22 SHEETS	STA. 365+00.00	TO STA. 380+00.00
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PLAN & PROFILE
 F.A.I. 74

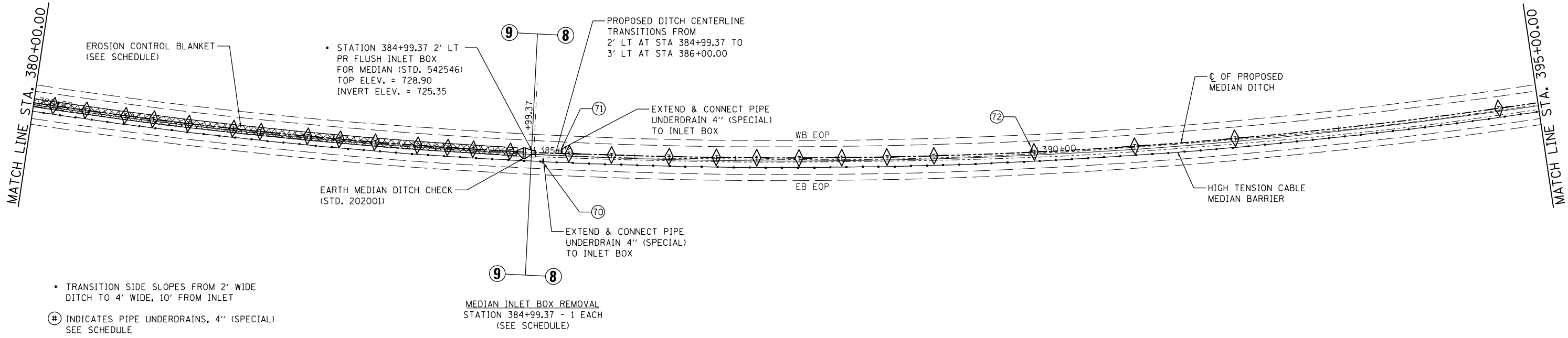
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	35
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

SEC. 10, T19N, R9E, 3RD P.M.

STA. 384+99.37
 EXISTING MEDIAN INLET BOX
 EXISTING 24" RCP
 USFL 1' LT. = 725.345
 DSFL 72' LT. = 724.46



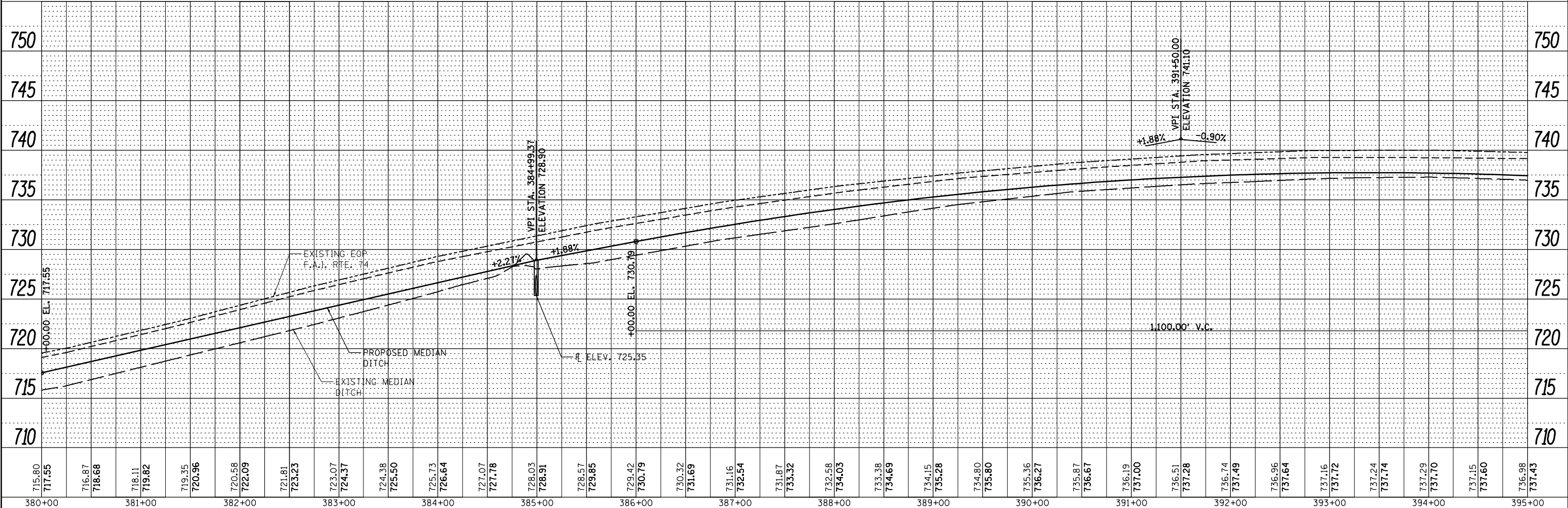
PLAN	SUBMITTED	DATE
NOTE BOOK	ALIGNED	
	CHECKED	
	FILED	



- TRANSITION SIDE SLOPES FROM 2' WIDE DITCH TO 4' WIDE, 10' FROM INLET
- ⊕ INDICATES PIPE UNDERDRAINS, 4" (SPECIAL) SEE SCHEDULE

MEDIAN INLET BOX REMOVAL
 STATION 384+99.37 - 1 EACH
 (SEE SCHEDULE)

PROFILE	SUBMITTED	DATE
NOTE BOOK	GRADES CHECKED	
	STRUCTURE	
	NOTATIONS	



715.80	717.55	716.87	718.68	718.11	719.82	719.35	720.96	720.58	722.09	721.81	723.23	723.07	724.37	724.38	725.50	725.73	726.64	727.07	727.78	728.03	728.91	728.57	729.85	729.42	730.79	730.32	731.69	731.16	732.54	731.87	733.32	732.58	734.03	733.38	734.69	734.15	735.28	734.80	735.80	735.36	736.27	735.87	736.67	736.19	737.00	736.51	737.28	736.74	737.49	736.96	737.64	737.16	737.72	737.24	737.74	737.29	737.70	737.15	737.60	736.98	737.43
380+00	381+00	382+00	383+00	384+00	385+00	386+00	387+00	388+00	389+00	390+00	391+00	392+00	393+00	394+00	395+00																																														

McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - RNH	REVISED -
PLOT DATE = 3/7/2013	CHECKED - TMM	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE			
F.A.I. 74			
SCALE: 1" = 50'	SHEET 19	OF 22 SHEETS	STA. 380+00.00 TO STA. 395+00.00

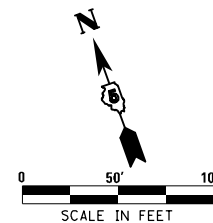
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	36
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

SEC. 10, T19N, R9E, 3RD P.M.

STA. 398+43.65
EXISTING MEDIAN INLET BOX
EXISTING 12"
USFL 0' LT. = 733.26
DSFL 0' LT. = 732.00

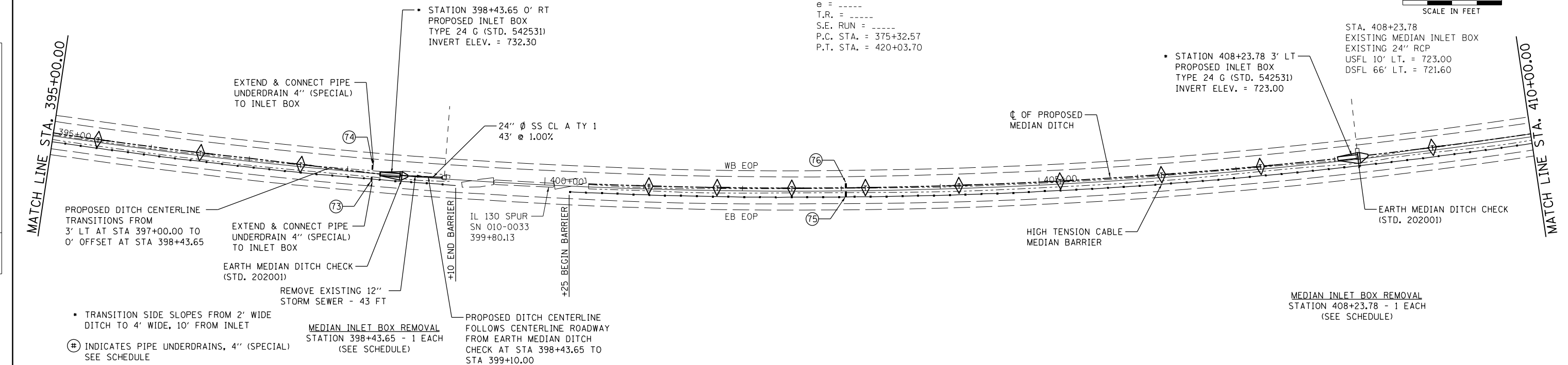
STA. 398+98.17
EXISTING MEDIAN INLET BOX
EXISTING 24" RCP
USFL 3' LT. = 731.87
DSFL 74' LT. = 731.05

EXIST. CURVE SWRCB
PI STA. = 399+25.98
 $\Delta = 50^\circ 38' 09''$ (LT)
D = 1° 07' 57"
R = 5,059.20'
T = 2,393.41'
L = 4,471.13'
E = 537.58'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 375+32.57
P.T. STA. = 420+03.70

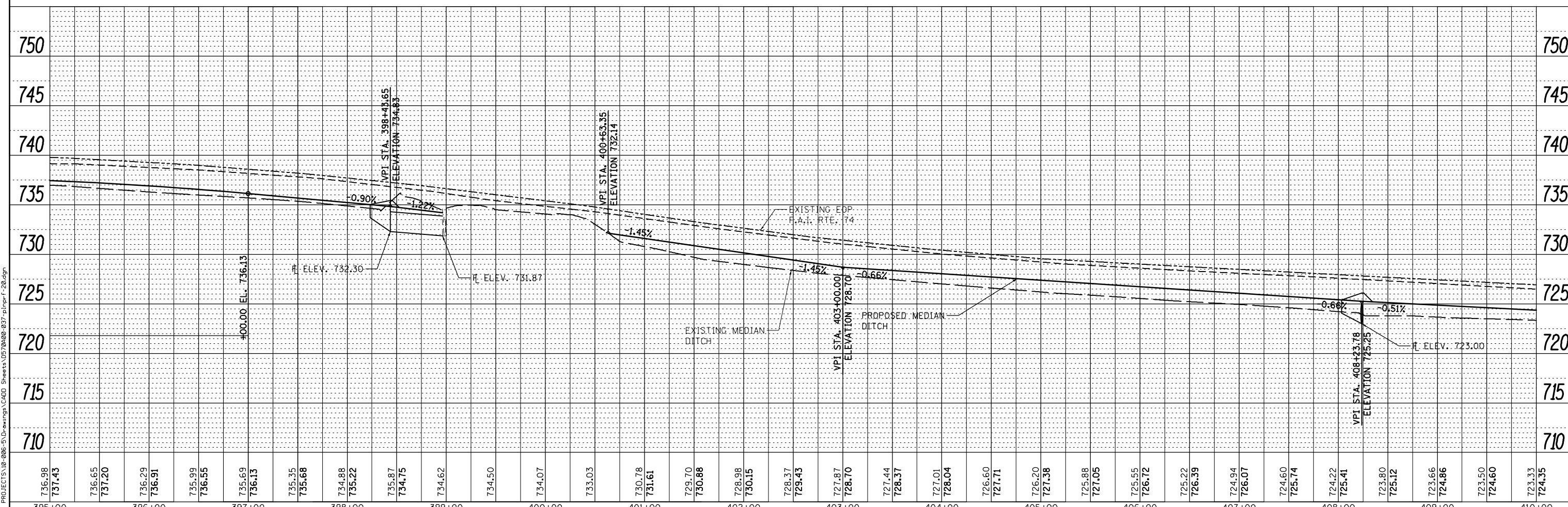


DATE	
BY	
PLAN	
SURVEYED	
PLOTTED	
ALIGNMENT CHECKED	
GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.	
FIELD FILE NAME	

DATE	
BY	
PROFILE	
SURVEYED	
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.	
FIELD FILE NAME	



- TRANSITION SIDE SLOPES FROM 2' WIDE DITCH TO 4' WIDE, 10' FROM INLET
- ⊕ INDICATES PIPE UNDERDRAINS, 4" (SPECIAL) SEE SCHEDULE
- STATION 398+43.65 0' RT PROPOSED INLET BOX TYPE 24 G (STD. 542531) INVERT ELEV. = 732.30
- STATION 408+23.78 3' LT PROPOSED INLET BOX TYPE 24 G (STD. 542531) INVERT ELEV. = 723.00
- MEDIAN INLET BOX REMOVAL STATION 398+43.65 - 1 EACH (SEE SCHEDULE)
- MEDIAN INLET BOX REMOVAL STATION 408+23.78 - 1 EACH (SEE SCHEDULE)



736.98	737.43	736.65	737.20	736.29	736.91	735.99	736.55	735.69	736.13	735.35	735.68	734.98	735.22	735.87	734.75	734.62	734.50	734.07	733.03	730.78	731.61	729.70	730.86	728.98	730.15	728.37	729.43	727.87	728.70	727.44	728.37	727.01	728.04	726.60	727.71	726.20	727.38	725.88	727.05	725.55	726.72	725.22	726.39	724.94	726.07	724.60	725.74	724.22	725.41	723.80	725.12	723.66	724.86	723.50	724.60	723.33	724.35
395+00	396+00	397+00	398+00	399+00	400+00	401+00	402+00	403+00	404+00	405+00	406+00	407+00	408+00	409+00	410+00																																										

McDonough-Whitlow, P.C.
Consulting Engineers & Land Surveyors
PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
	DRAWN - RNH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - TMM	REVISED -
PLOT DATE = 3/7/2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

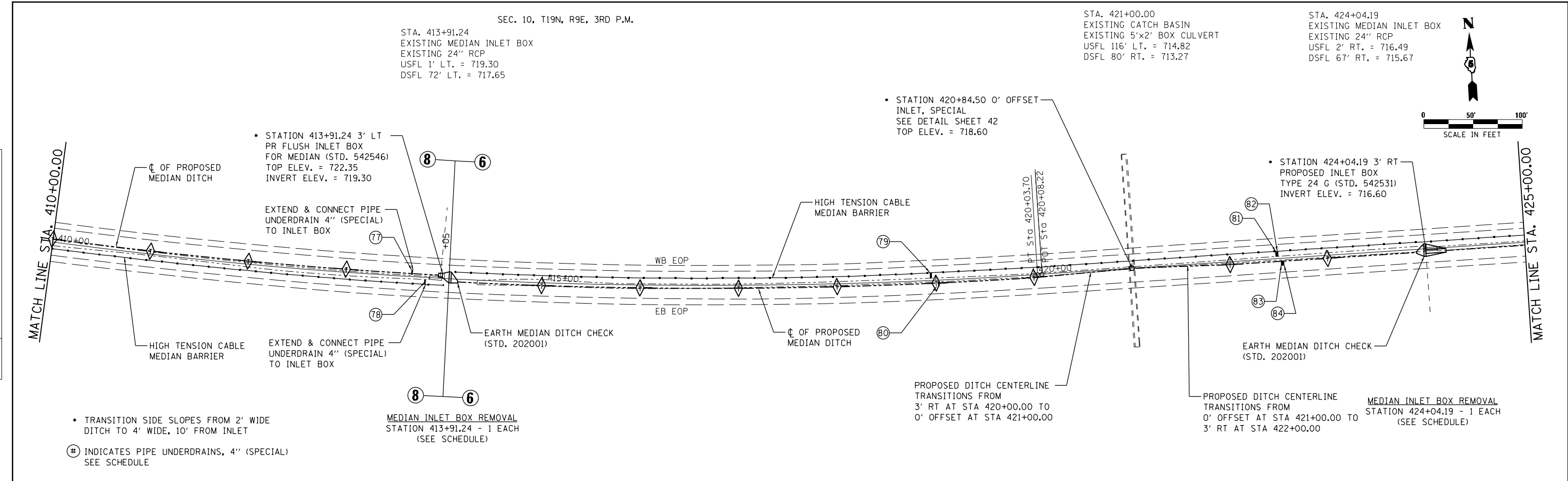
PLAN & PROFILE
F.A.I. 74

SCALE: 1" = 50' SHEET 20 OF 22 SHEETS STA. 395+00.00 TO STA. 410+00.00

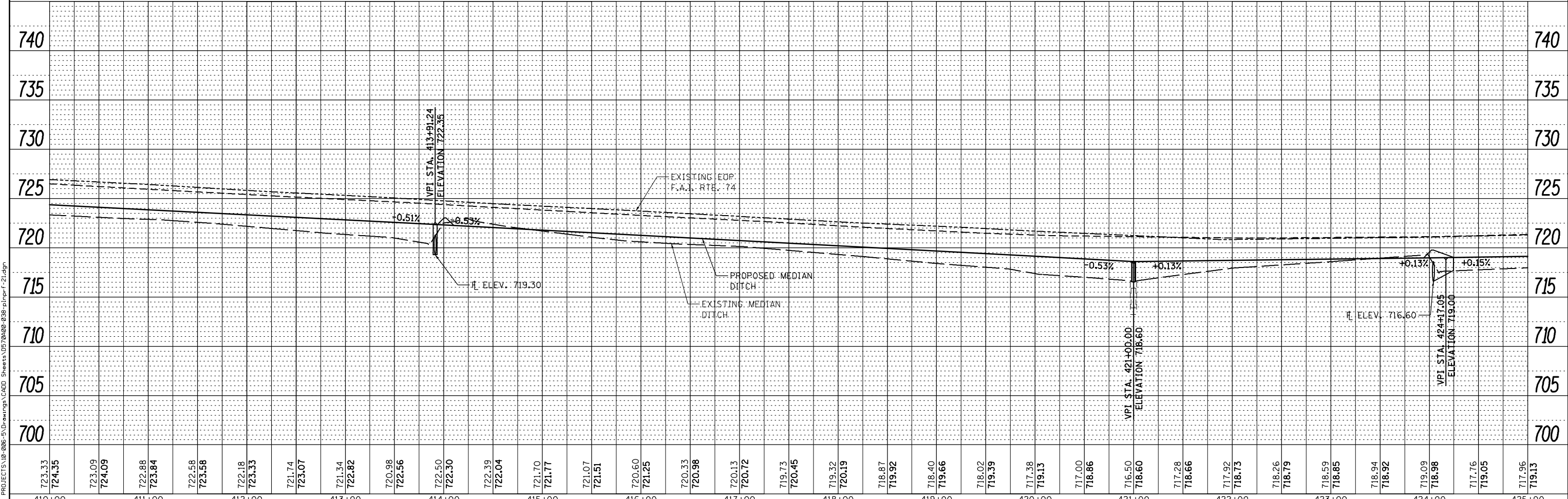
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	37
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

PLAN	SUBMITTED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	NOTE BOOK	
	NO.	
	FILE NAME	

PROFILE	SUBMITTED	DATE
	PLOTTED	
	GRADES CHECKED	
	NOTE BOOK	
	NO.	
	STRUCTURE NOTATIONS	
	OFFNO.	



- TRANSITION SIDE SLOPES FROM 2' WIDE DITCH TO 4' WIDE, 10' FROM INLET
- INDICATES PIPE UNDERDRAINS, 4" (SPECIAL) SEE SCHEDULE



723.33	724.35	723.09	724.09	722.88	723.84	722.58	723.58	722.18	723.33	721.74	723.07	721.34	722.82	720.98	722.56	722.50	722.30	722.39	722.04	721.70	721.77	721.07	721.51	720.60	721.25	720.33	720.98	720.13	720.72	719.73	720.45	719.32	719.32	718.40	719.66	718.02	719.39	717.38	719.13	717.00	718.86	716.50	718.60	717.28	718.66	717.92	718.73	716.26	718.79	718.59	718.85	718.94	718.92	719.09	718.98	717.76	719.05	717.96	719.13
410+00	411+00	412+00	413+00	414+00	415+00	416+00	417+00	418+00	419+00	420+00	421+00	422+00	423+00	424+00	425+00																																												

McDonough-Whitlow, P.C.
Consulting Engineers & Land Surveyors
PROFESSIONAL DESIGN NO. 184-002754

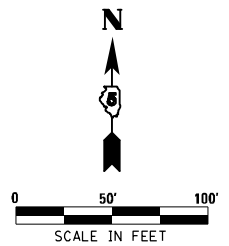
USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
	DRAWN - RNH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - TMM	REVISED -
PLOT DATE = 3/7/2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

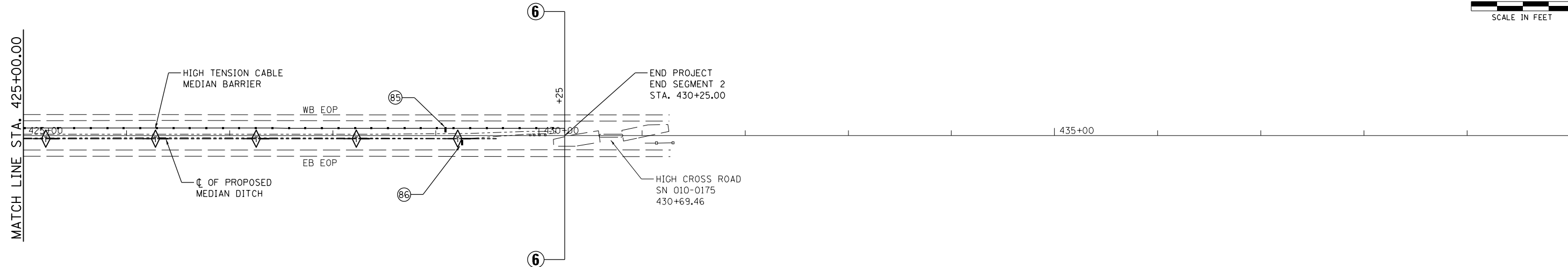
SCALE: 1" = 50'	SHEET 21	OF 22 SHEETS	STA. 410+00.00 TO STA. 425+00.00
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PLAN & PROFILE
F.A.I. 74

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	38
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

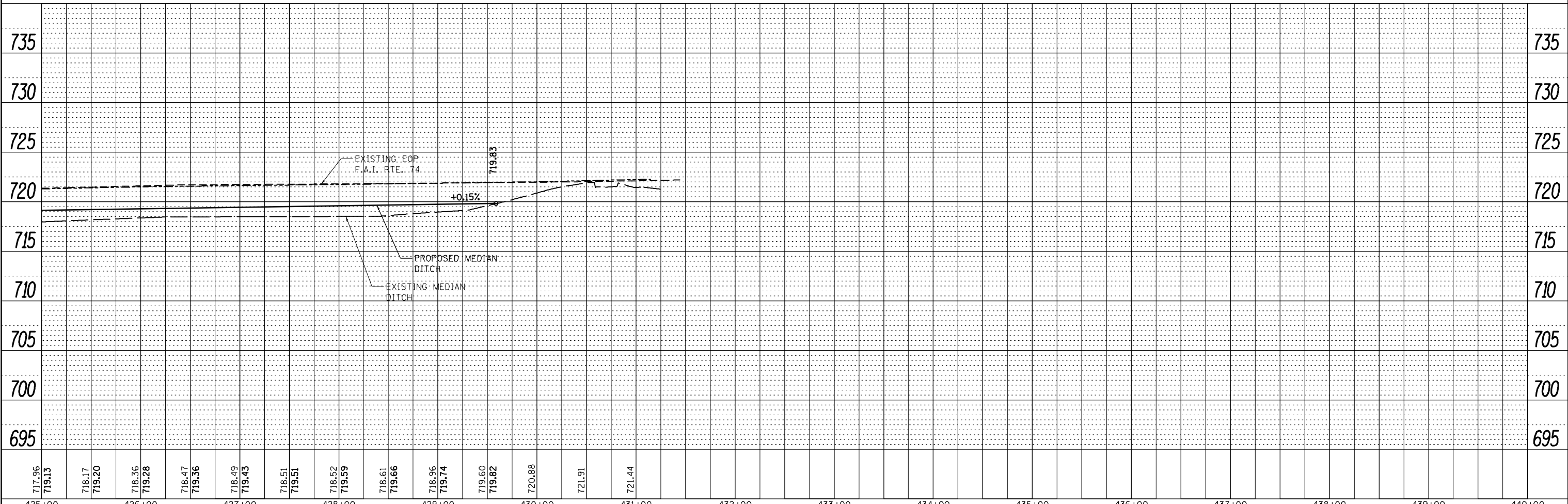


PLAN	SUBMITTED	DATE
NOTE BOOK NO.	ALIGNED	
	CHECKED	
	FILE NAME	



- TRANSITION SIDE SLOPES FROM 2' WIDE DITCH TO 4' WIDE, 10' FROM INLET
- ⊕ INDICATES PIPE UNDERDRAINS, 4" (SPECIAL) SEE SCHEDULE

PROFILE	SUBMITTED	DATE
NOTE BOOK NO.	GRADES CHECKED	
	STRUCTURE NOTATIONS	



717.96	718.17	718.36	718.47	718.49	718.51	718.52	718.61	718.96	719.60	720.88	721.91	721.44
719.13	719.20	719.28	719.36	719.43	719.51	719.59	719.66	719.74	719.82			

McDonough-Whitlow, P.C.
Consulting Engineers & Land Surveyors
PROFESSIONAL DESIGN NO. 184-002754

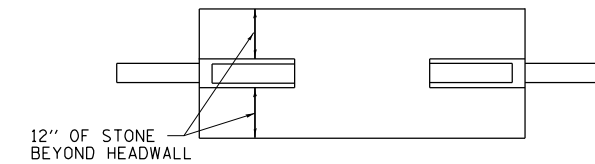
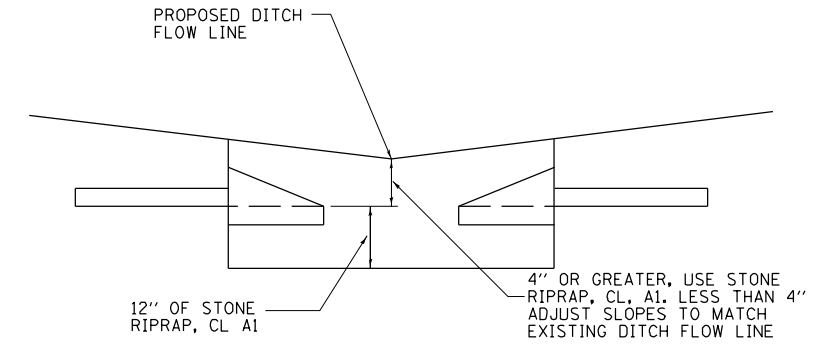
USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
	DRAWN - RNH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - TMM	REVISED -
PLOT DATE = 3/7/2013	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

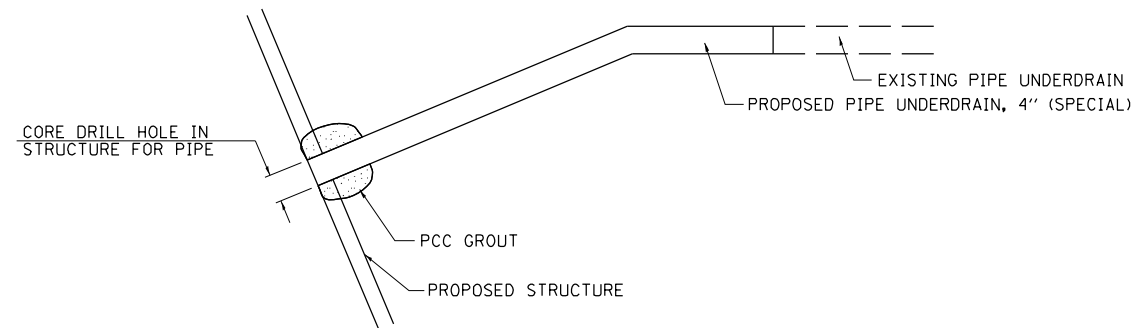
PLAN & PROFILE	
F.A.I. 74	
SCALE: 1" = 50'	SHEET 22 OF 22 SHEETS STA. 425+00.00 TO STA. 440+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	39
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

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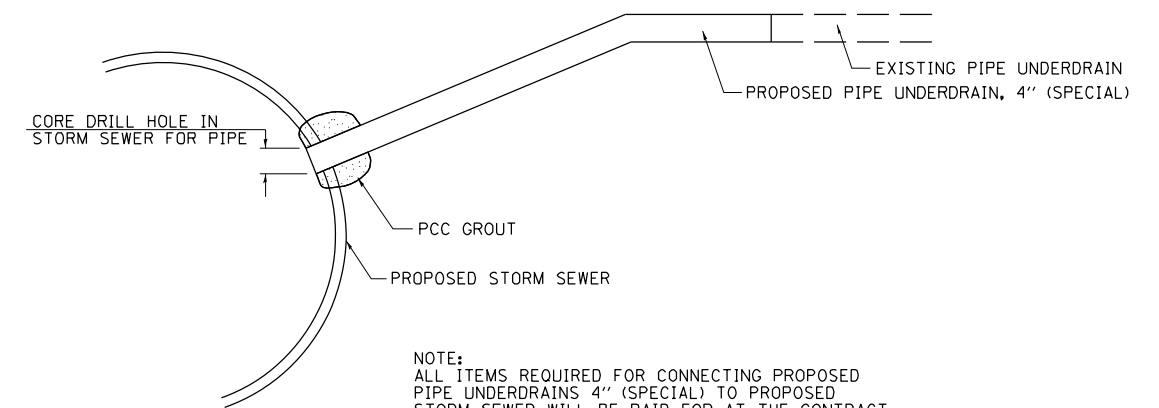


**UNDERDRAIN OUTLET
BELOW DITCH GRADE
TYPICAL DETAIL**



NOTE:
ALL ITEMS REQUIRED FOR CONNECTING PROPOSED PIPE UNDERDRAINS 4" (SPECIAL) TO STRUCTURE WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR UNDERDRAIN CONNECTION TO STRUCTURE.

**DETAIL OF CONNECTING PIPE UNDERDRAINS
4" (SPECIAL) TO STRUCTURE**



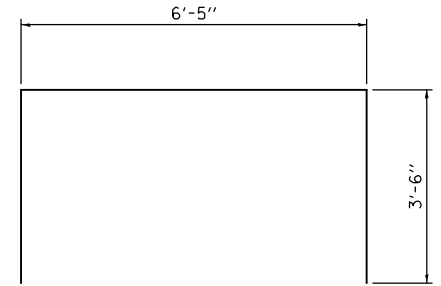
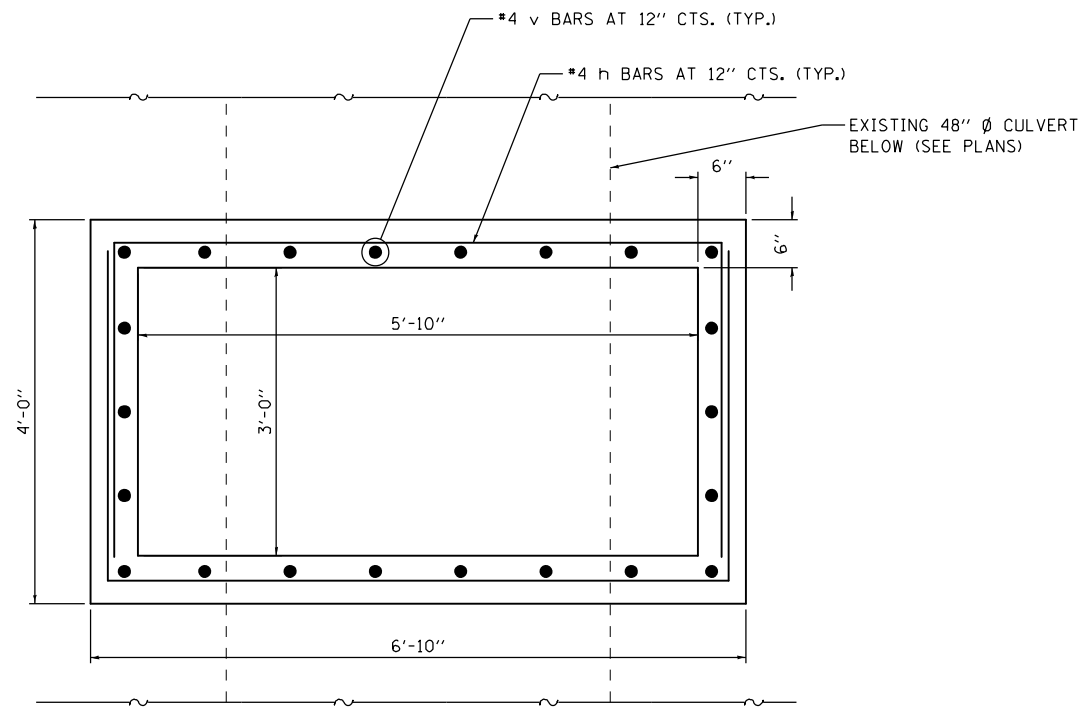
NOTE:
ALL ITEMS REQUIRED FOR CONNECTING PROPOSED PIPE UNDERDRAINS 4" (SPECIAL) TO PROPOSED STORM SEWER WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR CONNECTION TO EXISTING SEWER.

**DETAIL OF CONNECTING PIPE UNDERDRAINS
4" (SPECIAL) TO PROPOSED STORM SEWER**

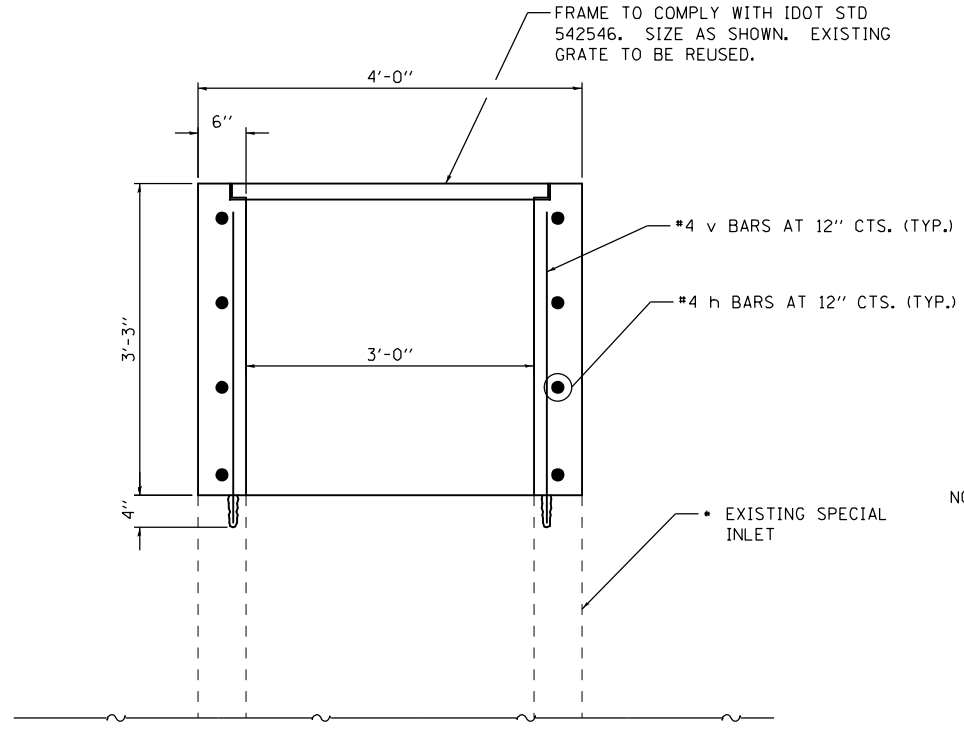
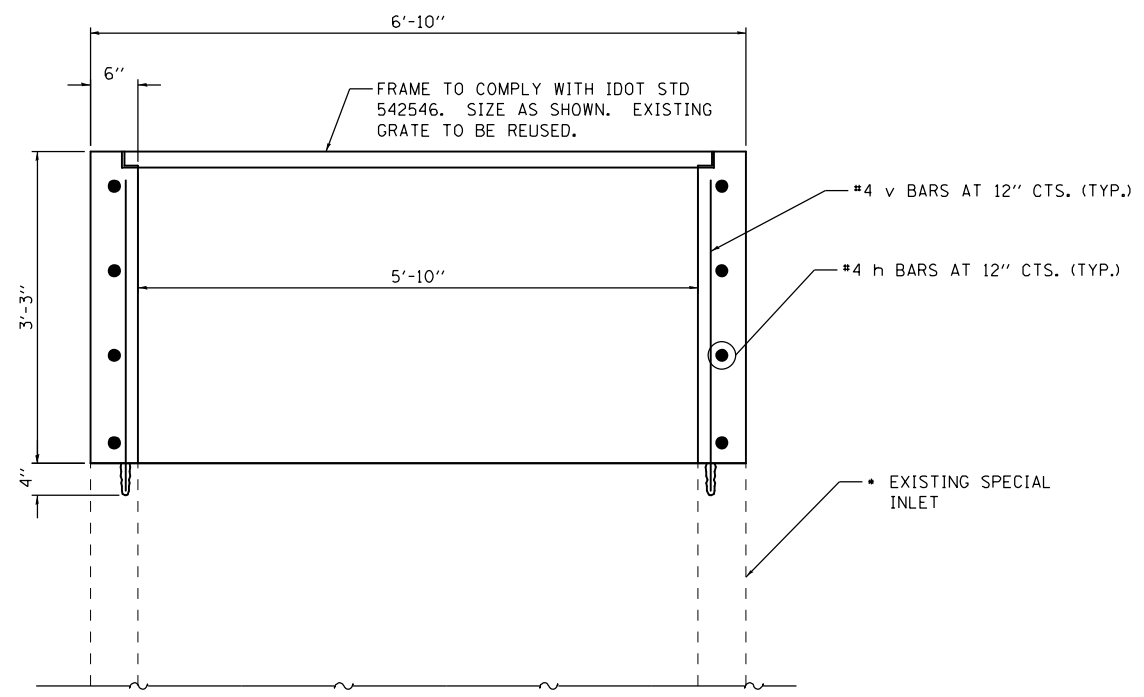
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USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
DRAWN - RNH	REVISIONS -	
PLOT SCALE = 40.0000' / in.	CHECKED - TMM	REVISED -
PLOT DATE = 3/7/2013	DATE -	REVISED -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	40
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	



BAR h₁



BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
h ₁	8	#4	13'-5"	□
v ₁	22	#4	2'-11"	—
CONCRETE STRUCTURES			CU. YD.	1.2
REINFORCEMENT BARS, EPOXY COATED			POUND	120

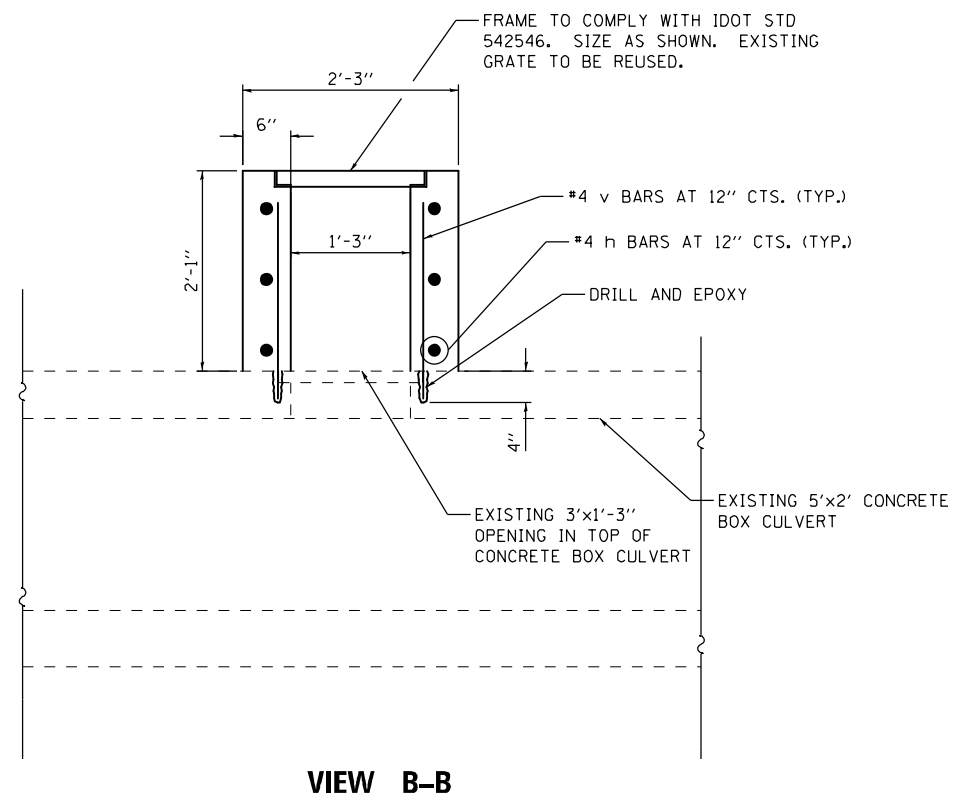
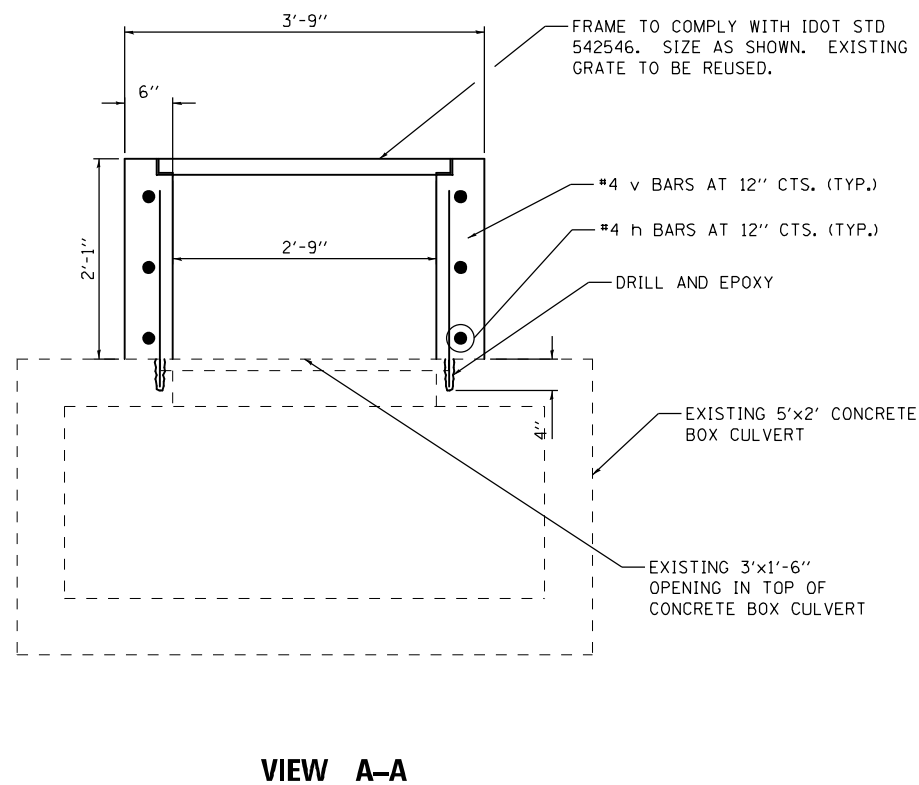
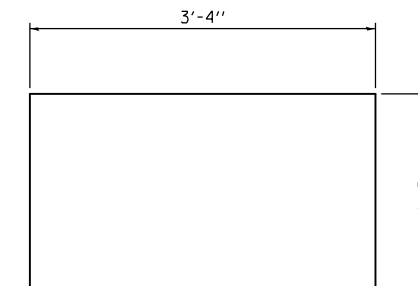
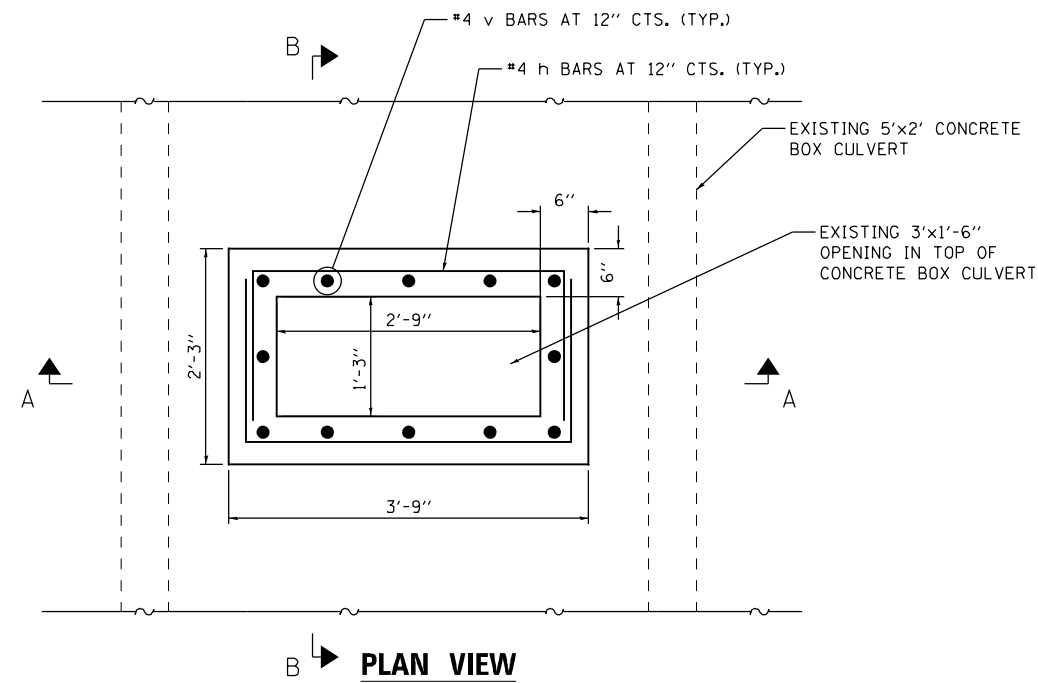
- REMOVE TOP 16" OF EXISTING INLET BOX AND PLACE PROPOSED INLET EXTENSION OVER EXISTING OPENING.

NOTE: FRAME INCLUDED IN COST OF "INLETS TO BE RECONSTRUCTED".

F:\Projects\DOT PROJECTS\10-006-5\Drawings\CADD Sheets\0570000-040-045-detailed.dgn

USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
DRAWN - RNH	REVISIONS -	
PLOT SCALE = 40.0000' / in.	CHECKED - TMM	REVISIONS -
PLOT DATE = 3/7/2013	DATE -	REVISIONS -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	41
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	



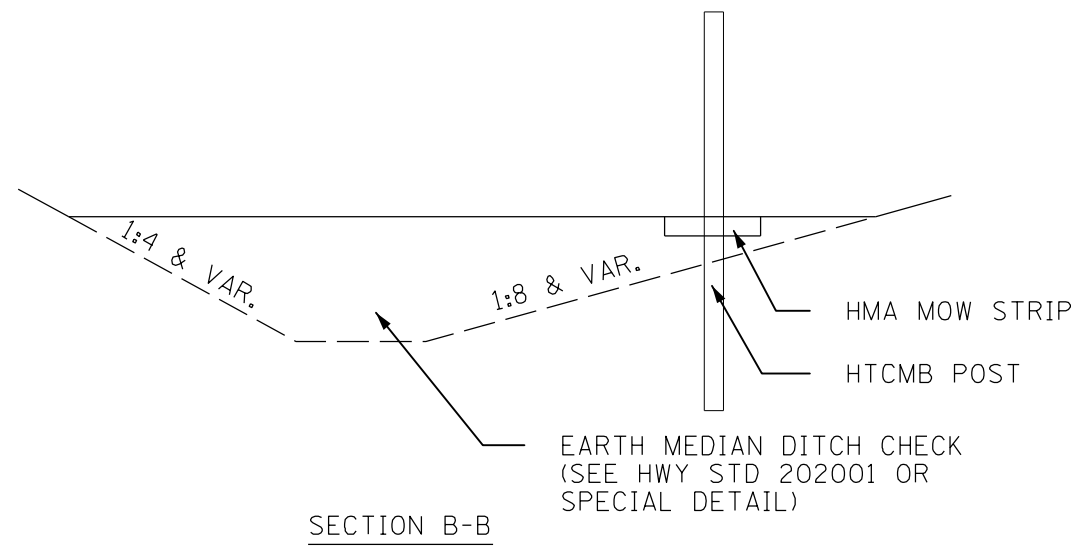
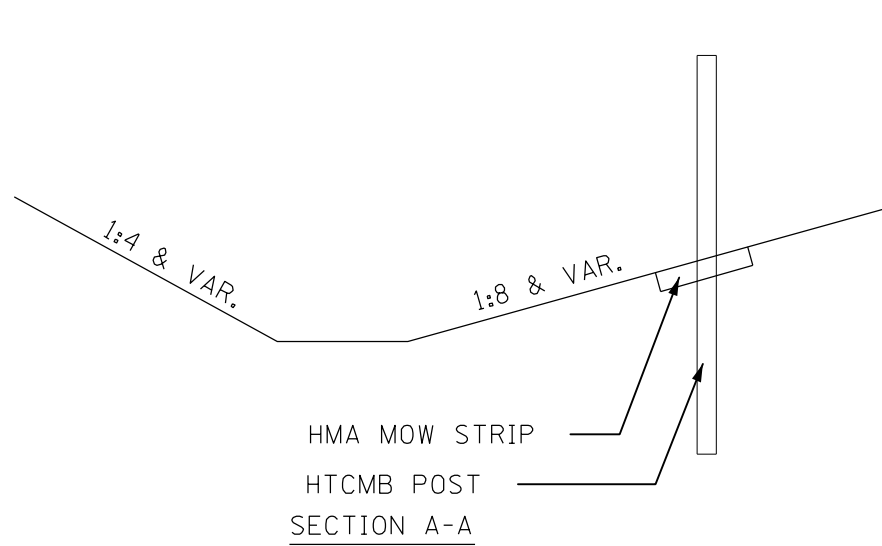
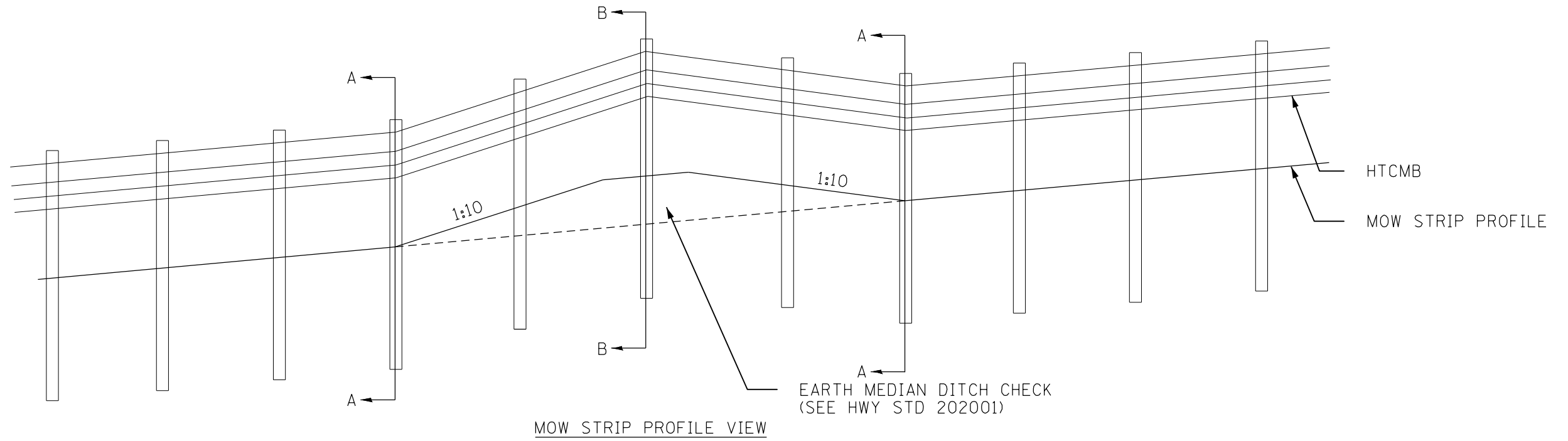
BILL OF MATERIAL
 (FOR INFORMATION ONLY)

BAR	NO.	SIZE	LENGTH	SHAPE
h	6	#4	6'-10"	
v	12	#4	1'-9"	
CONCRETE			CU. YD.	0.4
REINFORCEMENT BARS, EPOXY COATED			POUND	50

SEE STEEL FRAME & GRATE DETAIL ON FLUSH INLET BOX FOR MEDIAN (STANDARD 542546)

NOTE: FRAME INCLUDED IN COST OF "INLETS, SPECIAL".

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NOTES

WHEN MOW STRIPS INTERSECT EARTH MEDIAN DITCH CHECKS, THE MOW STRIP PROFILE AND CROSS SLOPE SHALL FOLLOW THE LONGITUDINAL AND TRANSVERSE SLOPE OF THE DITCH CHECK AS SHOWN IN THIS DETAIL.

POSTS SHALL BE SET AT THE LOCATIONS OF SECTION A AND SECTION B. POSTS MAY BE REQUIRED TO BE PLACED BETWEEN THESE SECTIONS IN ORDER TO MEET MAXIMUM POST SPACING REQUIREMENTS. THE POSTS AND CABLE SHALL BE SECURED PER MANUFACTURER SPECIFICATIONS TO PREVENT THEM FROM UPLIFTING.

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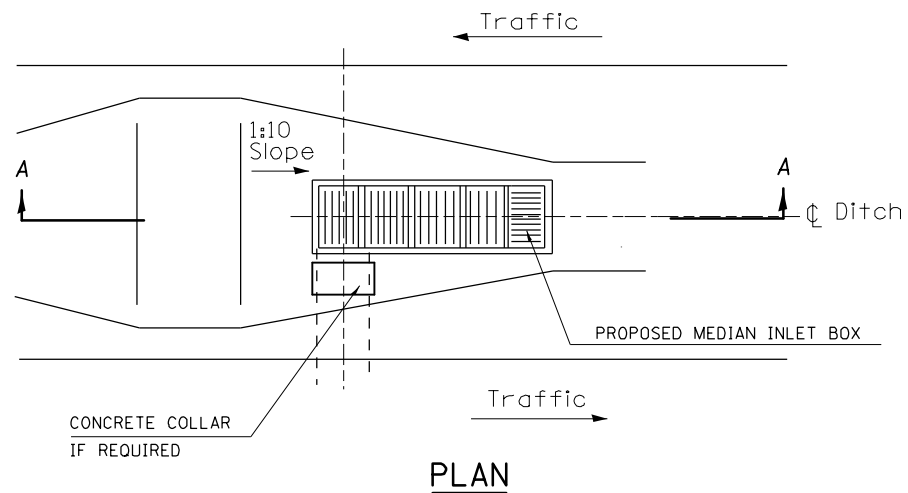
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DRAWN - RNH	REVISED -	
PLOT SCALE = 40.0000' / in.	CHECKED - TMM	REVISED -
PLOT DATE = 3/7/2013	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

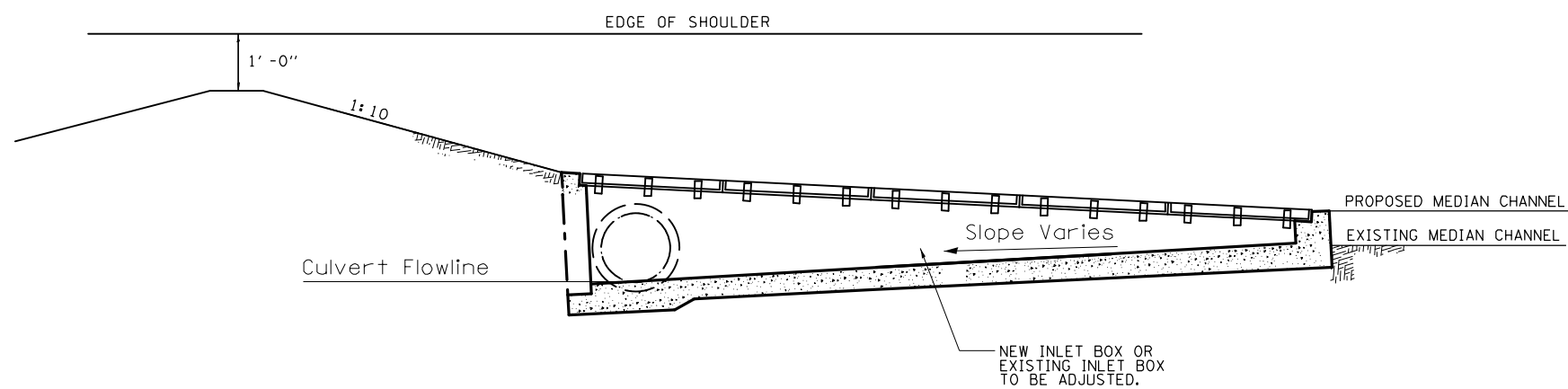
**HMA MOW STRIP
PROFILE DETAIL**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	43
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	



PLAN



SECTION A-A

NOTES:

THE CONTRACTOR WILL BE RESPONSIBLE FOR VERIFYING PIPE LENGTHS PRIOR TO ORDERING. THE CONTRACTOR WILL BE RESPONSIBLE FOR VERIFYING COMPATIBILITY OF PIPE JOINING (EXISTING BELL AND SPIGOT DIMENSIONS). AN ADDITIONAL CONCRETE COLLAR MAY BE REQUIRED, IF REQUIRED. CONCRETE COLLARS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE, PER CUBIC YARD FOR CONCRETE COLLARS, INCLUDING ALL MATERIAL AND LABOR SPECIFIED TO COMPLETE THE WORK IN PLACE.

THE CONTRACTOR SHALL INSURE EXISTING INLET AND PIPE CULVERT ARE NOT DAMAGED DURING CONSTRUCTION. ANY DAMAGE DURING CONSTRUCTION SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR OR REPLACE TO THE SATISFACTION OF THE ENGINEER, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

DETAILS NOT SHOWN SHALL BE PER STANDARD 542531.

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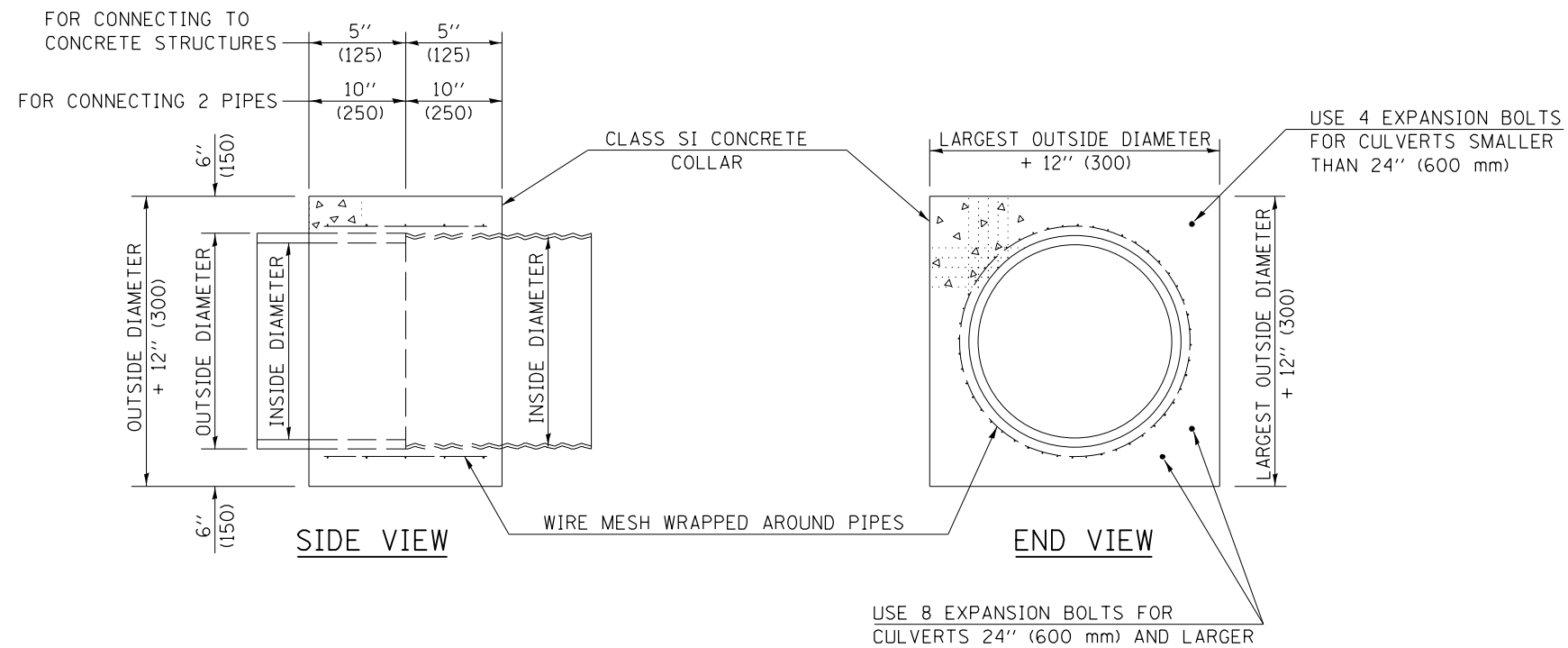
USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
	DRAWN - RNH	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - TMM	REVISED -
PLOT DATE = 3/7/2013	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INLET BOX TYPE 24 G (STD. 542531) TYPICAL INSTALLATION DETAIL
AND MEDIAN CROSSOVER DETAIL**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	44
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	



GENERAL NOTES

1. CLASS SI CONCRETE SHALL BE USED THROUGHOUT.
2. WHEN CONCRETE COLLARS ARE USED TO CONNECT PIPES OF DIFFERENT OUTSIDE DIAMETERS, THE CONCRETE COLLAR SHALL BE FORMED USING THE LARGEST OUTSIDE DIAMETER (SEE END VIEW).
3. THE WIRE MESH SHALL WEIGH NOT LESS THAN 54#/100 SQ. FT. (2.63 kg/m²).
4. WHEN CONCRETE COLLARS ARE CONSTRUCTED ADJACENT TO AN EXISTING CONCRETE STRUCTURE (HEADWALLS, ETC.) EXPANSION BOLTS, SHALL BE USED AND WILL BE PAID FOR AT THE CONTRACT UNIT PRICE, EACH, FOR EXPANSION BOLTS OF THE SIZE SPECIFIED IN THE PLANS.
5. CONCRETE COLLARS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE, PER CUBIC YARD (CUBIC METER), FOR CONCRETE COLLARS INCLUDING ALL MATERIAL AND LABOR SPECIFIED TO COMPLETE THE WORK IN PLACE.

QUANTITIES FOR CONCRETE PIPES	
INSIDE DIAMETER OF PIPE	ESTIMATED CLASS SI CONCRETE REQUIRED
INCH (mm)	20" (500 mm) WIDTH CU. YD. (m ³)
4" (100)	0.14 (0.11)
6" (150)	0.16 (0.12)
8" (200)	0.19 (0.14)
10" (250)	0.22 (0.17)
12" (300)	0.25 (0.19)
15" (375)	0.30 (0.23)
18" (450)	0.35 (0.27)
24" (600)	0.45 (0.35)
30" (750)	0.57 (0.43)
36" (900)	0.69 (0.53)
42" (1050)	0.83 (0.63)
48" (1200)	0.97 (0.74)
54" (1350)	1.12 (0.86)
60" (1500)	1.28 (0.98)

QUANTITIES FOR METAL PIPES	
INSIDE DIAMETER OF PIPE	ESTIMATED CLASS SI CONCRETE REQUIRED
INCH (mm)	20" (500 mm) WIDTH CU. YD. (m ³)
4" (100)	0.12 (0.09)
6" (150)	0.14 (0.11)
8" (200)	0.16 (0.12)
10" (250)	0.19 (0.14)
12" (300)	0.21 (0.16)
15" (375)	0.25 (0.19)
18" (450)	0.29 (0.22)
24" (600)	0.38 (0.29)
30" (750)	0.47 (0.36)
36" (900)	0.59 (0.45)
42" (1050)	0.69 (0.53)
48" (1200)	0.81 (0.62)
54" (1350)	0.93 (0.71)
60" (1500)	1.05 (0.81)

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 54248510

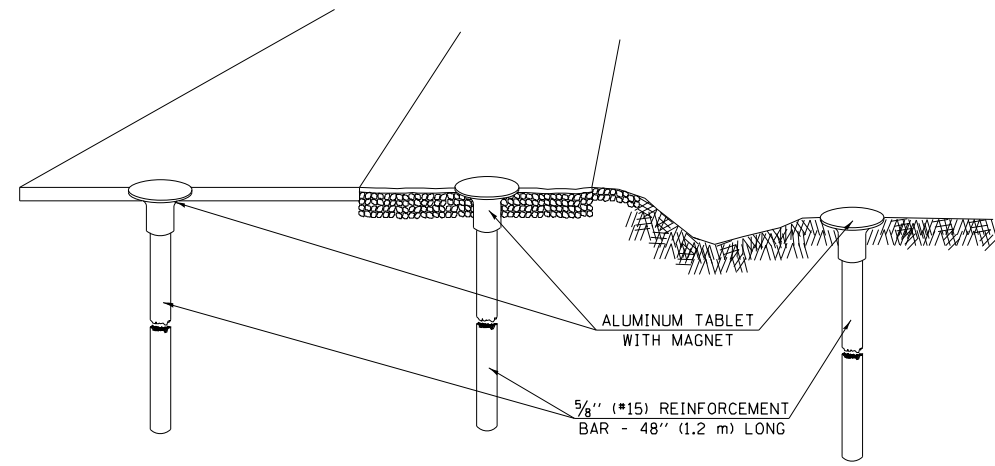
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USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
PLOT SCALE = 48.0000' / in.	DRAWN - RNH	REVISED -
PLOT DATE = 3/7/2013	CHECKED - TMM	REVISED -
	DATE -	REVISED -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	45
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

XZ193300 – SURVEY MARKER, TYPE 1 (SPECIAL)

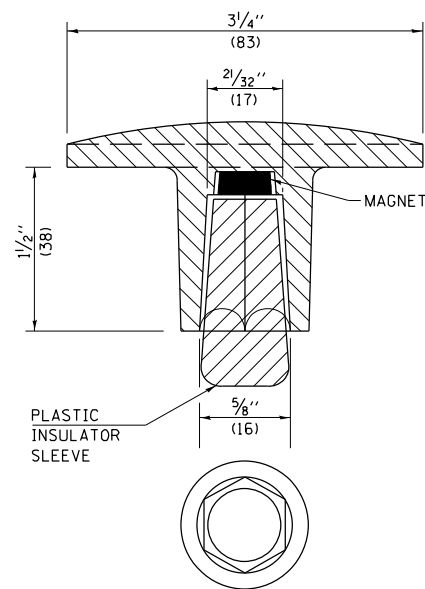
TO BE INSTALLED IN FLEXIBLE PAVEMENT OR SHOULDER, BITUMINOUS TREATED SURFACE AND TURF AREAS WITHIN THE RIGHT-OF-WAY FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S)



IN FLEXIBLE PAVEMENT OR SHOULDER

IN BITUMINOUS TREATED SURFACE

IN TURF AREAS WITHIN R.O.W.



THE DIMENSIONS SHOWN SHALL BE EXACT, OTHERS MAY VARY, BUT SHALL BE SHOWN ON SHOP DRAWINGS.

GENERAL NOTES

1. THE CONTRACT UNIT PRICE, EACH, FOR SURVEY MARKER, TYPE 1 (SPECIAL) SHALL BE PAYMENT IN FULL FOR FURNISHING THE REINFORCEMENT BAR AND ALUMINUM TABLET AND FOR ALL LABOR AND MATERIAL REQUIRED TO SET THE MARKER IN PLACE.
2. ALL SURVEY MARKERS, TYPE 1 (SPECIAL) SHALL BE PLACED ± 1/4" (6 mm) BELOW THE FINAL SURFACE.
3. WHEN THE TABLET AND REBAR ARE PLACED AS PART OF A SURVEY MARKER VAULT, THEY SHALL BE CONSIDERED AS INCLUDED IN THAT PAY ITEM AND THERE WILL BE NO PAYMENT FOR THE SURVEY MARKER, TYPE 1 (SPECIAL).

SPECIFICATIONS FOR ALUMINUM TABLET

SURVEY CAP FOR REBAR. 3/4" (83 mm) CONVEX SURVEY CAP FOR 5/8" (15 mm) REBAR WITH ILLINOIS DEPARTMENT OF TRANSPORTATION LOGO. THIS LOGO SHALL PROVIDE LETTERS RECESSED INTO THE SURFACE A MINIMUM OF 1/32" (0.8 mm) FOR EASY AND LONG-TERM LEGIBILITY. THE ALUMINUM CAP FOR REBAR SHALL BE PRODUCED BY THE PROCESS OF ORBITAL FORGING TO PRODUCE A HIGH-STRENGTH AND DURABLE MARKER CAP WHICH WILL NOT CHIP OR BREAK AND PROVIDE A SMOOTH FINISH FOR STAMPING OF DATA IN THE FIELD. THE ALUMINUM CAP FOR REBAR SHALL BE TAPERED FOR A PERFECT COMPRESSION FIT. A SPECIAL PLASTIC INSULATOR SHALL BE INSTALLED TO PREVENT DISSIMILAR METAL CONTACT AND CORROSION. THE PLASTIC INSULATOR SHALL FORM READILY TO THE OUTER SHAPE OF THE REBAR AND TO THE INNER SHAPE OF THE ALUMINUM CAP SOCKET. THE PLASTIC INSULATOR SHALL BE LOW DENSITY POLYETHYLENE, A MINIMUM 1 1/2" (38 mm) LONG AND CONFORM TO FEDERAL SPECIFICATION L-P 390.

COMPOSITION: ALUMINUM 98.3-98.7%; OTHER 1.3-1.7%; STRENGTH: YIELD 28 KSI (193 MPa), ULTIMATE 32 KSI (221 MPa). ELONGATION 15% [IN 2" (50 mm)]. SPECIFICATIONS: ALUMINUM ALLOY 6101-0; ASTM B317-83 (EXCEPT TEMPER) AS FORGED. NO EXCEPTIONS.

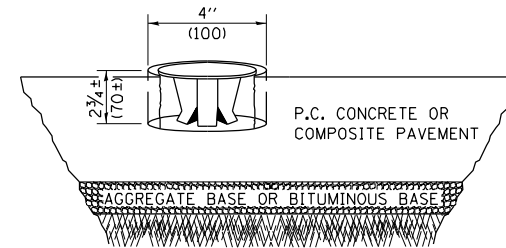
SPECIFICATIONS FOR REBAR

REBAR FOR ALUMINUM TABLET. REINFORCEMENT BAR SHALL BE 5/8" (#15) X 48" (1.2 m) (DEFORMED).

INSPECTION OF REINFORCEMENT BAR 5/8" (#15) SHALL BE DONE BY DISTRICT PERSONNEL OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS.

XZ193400 – SURVEY MARKER, TYPE 2 (SPECIAL)

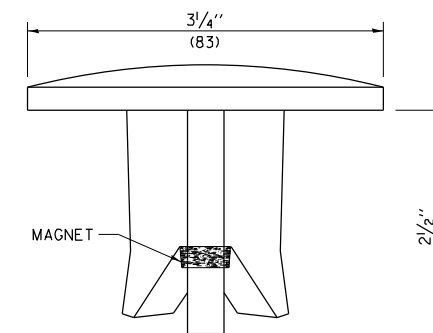
TO BE INSTALLED IN RIGID OR COMPOSITE PAVEMENT FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S)



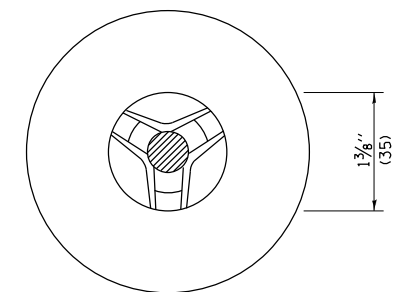
SPECIFICATIONS FOR ALUMINUM TABLET (FORKED)

ALUMINUM TABLET (FORKED) FOR USE WITH "SURVEY MARKER, TYPE 2, (SPECIAL)" SHALL BE AS SHOWN ON THE DETAIL FOR THE 3/4" (83 mm) CONVEX SURVEY TABLET WITH ILLINOIS DEPARTMENT OF TRANSPORTATION LOGO. THIS LOGO SHALL PROVIDE FOR LETTERS RECESSED INTO THE SURFACE A MINIMUM OF 1/32" (0.8 mm) FOR EASY AND LONG-TERM LEGIBILITY. THE ALUMINUM TABLET SHALL BE PRODUCED BY THE PROCESS OF ORBITAL FORGING TO PRODUCE A HIGH-STRENGTH AND DURABLE MARKER CAP WHICH WILL NOT CHIP OR BREAK AND PROVIDE A SMOOTH FINISH FOR STAMPING OF DATA IN THE FIELD. THE ALUMINUM TABLET SHALL BE DESIGNED NOT TO TURN OR ROTATE. THREE PRONGS ON A 2 1/2" (63 mm) STEM SHALL BE SUCH THAT THE ALUMINUM TABLET CANNOT BE EASILY REMOVED.

COMPOSITION: ALUMINUM 92-93%; MAGNESIUM 6.5-7.5%. STRENGTH: YIELD 19,000-21,000 PSI (131-145 MPa); TENSILE 38,000-44,000 PSI (262-303 MPa); ELONGATION 10-15% [IN 2" (50 mm)]. SPECIFICATIONS: ALLOY 535.0; QQ-A-601ES. NO EXCEPTIONS.



SIDE VIEW



BOTTOM VIEW

THE DIMENSIONS SHOWN SHALL BE EXACT, OTHERS MAY VARY, BUT SHALL BE SHOWN ON SHOP DRAWINGS.

GENERAL NOTES

1. WORK ON THIS ITEM SHALL NOT START UNTIL THE FINAL SURFACE IS COMPLETED.
2. THE ALUMINUM TABLET (FORKED) SHALL REST UPON THE BOTTOM OF THE 4" (100 mm) CORE HOLE. IF THE HOLE IS TOO DEEP, EPOXY GROUT MUST BE USED TO DECREASE THE DEPTH AND ALLOWED TO HARDEN BEFORE PROCEEDING.
3. THE ALUMINUM TABLET SHALL BE ANCHORED IN THE 4" (100 mm) DIAMETER HOLE IN THE NEW PAVEMENT WITH TWO-COMPONENT EPOXY CONFORMING TO APPLICABLE PORTIONS OF ARTICLE 1025.01 OF THE STANDARD SPECIFICATIONS.
4. THE 4" (100 mm) CORE HOLE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
5. THE CONTRACT PRICE, EACH, FOR SURVEY MARKER, TYPE 2 (SPECIAL) SHALL BE PAYMENT IN FULL FOR FURNISHING THE ALUMINUM TABLET AND FOR ALL LABOR AND MATERIAL REQUIRED TO SET THE MARKER IN PLACE, AS SPECIFIED, INCLUDING CORING THE NEW PAVEMENT.
6. ALL SURVEY MARKERS, TYPE 2 (SPECIAL) SHALL BE PLACED ± 1/4" (6 mm) BELOW THE FINAL SURFACE.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

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USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - RNH	REVISED -
PLOT DATE = 3/7/2013	CHECKED - TMM	REVISED -
	DATE -	REVISED -

SURVEY MARKERS, TYPE 1 & 2 (SPECIAL)			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

DISTRICT 5 DETAIL NO. XZ193AAA				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	46
CONTRACT NO. 70A00				
ILLINOIS FED. AID PROJECT				



SOIL BORING LOG

ROUTE FAI Rt. 74 DESCRIPTION HTCMB at Lindsey Rd. LOGGED BY CNA
SECTION Median Cable 2013-1 LOCATION SE, SEC. 20, TWP. 20N, RNG. 8E, 3rd PM GPS:
COUNTY Champaign DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. Station	D E P T H (ft)	B L O W S (/6")	U C S Qu (tsf)	M O I S T (%)	Surface Water Elev.	
					ft	ft
010-0167 1742+74.26						
BORING NO. 1 HTCMB Station 1743+13 Offset 18.0 ft Lt. Ground Surface Elev. 785.9 ft						
Black Silty Clay (Topsoil)						
	4					
	5	1.0		29		
	6	E				
781.9	2					
Brown Mottled Silty Clay	4	2.1		14		
	4	B				
779.9	-5					
Brown Wet/Soft Sand Loam	1					
	1					
	1					
	0					
775.9	0	1.0		17		
	3	B				
End of Boring	-10					
	-15					
	-20					

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.
The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer E-Estimate)
The SPT (N Value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)



SOIL BORING LOG

ROUTE FAI Rt. 74 DESCRIPTION HTCMB at Sign Truss (1824+00) LOGGED BY CNA
SECTION Median Cable 2013-1 LOCATION SE, SEC. 28, TWP. 20N, RNG. 8E, 3rd PM GPS:
COUNTY Champaign DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. Station	D E P T H (ft)	B L O W S (/6")	U C S Qu (tsf)	M O I S T (%)	Surface Water Elev.	
					ft	ft
Sign Truss 1824+00						
BORING NO. 2 HTCMB Station 1823+94 Offset 9.0 ft Lt. Ground Surface Elev. 823.3 ft						
Black Silty Clay Loam (Embankment)						
	2					
821.3	3	0.4		31		
Brown Mottled Silty Clay to Silt)	4	B				
	2					
	4	1.3		16		
	4	B				
798.3	-5					
(Trace of Free Water)						
817.3						
Brown Clay Loam Till	3					
	4	1.6		15		
	6	B				
	3					
	4	1.6		15		
	6	B				
811.3	-10					
Gray Clay Loam Till						
	5					
	6	2.8		11		
	6	B				
	-15					
	8					
	7	2.8				
	8	B				
(Drove Sampler on Rock)	-20					
	-40					

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.
The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer E-Estimate)
The SPT (N Value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

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1/17/2013 2:13:04 PM S:\SOILS\2013 SOILS WORK\HTCMB 1-74 CHAMP_URBANA\MEDIAN_CABLE_2013-1\HTCMB.GPJ



SOIL BORING LOG

Date 2/1/05

ROUTE FAI Rt. 74 DESCRIPTION HTCMB at Sign Truss (1047+88) LOGGED BY CNA

SECTION Median Cable 2013-1 LOCATION SE, SEC. 34, TWP. 20N, RNG. 8E, 3rd PM GPS:

COUNTY Champaign DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. Station	D E P T H (ft)	B L O W S (/6")	U C S Qu	M O I S T (%)	Surface Water Elev. _____ ft	Stream Bed Elev. _____ ft	Groundwater Elev.: First Encounter _____ ft	Upon Completion _____ ft	After _____ Hrs. _____ ft	D E P T H (ft)	B L O W S (/6")	U C S Qu	M O I S T (%)
Brown Mottled Silty Clay Loam (Embankment) 774.8													
		3											
		4	2.0	30									
		5	S										
		-5											
Brown Clay Loam Till 766.8													
		2											
		3	1.6	16									
		4	B										
		5	4.5	18									
Gray Clay Loam Till													
		2											
		3	2.5	12									
		6	B										
		-15											

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.
 The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer E-Estimate)
 The SPT (N Value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
 BBS, from 137 (Rev. 8-99)



SOIL BORING LOG

Date 1/16/13

ROUTE FAI Rt. 74 DESCRIPTION HTCMB at Sign Truss/East of I-57 LOGGED BY CNA

SECTION Median Cable 2013-1 LOCATION SE, SEC. 34, TWP. 20N, RNG. 8E, 3rd PM GPS:

COUNTY Champaign DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. Station	D E P T H (ft)	B L O W S (/6")	U C S Qu	M O I S T (%)	Surface Water Elev. _____ ft	Stream Bed Elev. _____ ft	Groundwater Elev.: First Encounter _____ ft	Upon Completion _____ ft	After _____ Hrs. _____ ft	D E P T H (ft)	B L O W S (/6")	U C S Qu	M O I S T (%)
Brown Clay Loam (Embankment) 760.9													
		9											
		11	7.6	10									
Gray Clay Loam (Embankment) 754.9													
		8	B										
		10											
End of Boring													
		10	5.0	13									
		11	B										

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.
 The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer E-Estimate)
 The SPT (N Value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
 BBS, from 137 (Rev. 8-99)

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USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
DRAWN - RNH	REVISED -	
PLOT SCALE = 2.0000' / in.	CHECKED - TMM	REVISED -
PLOT DATE = 3/7/2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: NONE		SHEET 3 OF 7 SHEETS		STA. TO STA.	
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SOIL BORING LOGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	49
CONTRACT NO. 70A00				
ILLINOIS FED. AID PROJECT				



SOIL BORING LOG

ROUTE FAI Rt. 74 DESCRIPTION HTCMB at Mattis Avenue LOGGED BY KWW
SECTION Median Cable 2013-1 LOCATION NE, SEC. 8, TWP. 20N, RNG. 8E, 3rd PM GPS:
COUNTY Champaign DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 010-0270 D E L T H U P O W S T B L O W S Qu M O I S T (%) Surface Water Elev. _____ ft
Station 1087+94.54 Stream Bed Elev. _____ ft
BORING NO. 7 HTCMB Groundwater Elev.: _____ ft
Station 1087+50 First Encounter _____ ft
Offset 12.0 ft Lt. Upon Completion _____ ft
Ground Surface Elev. 776.3 ft After _____ Hrs. _____ ft

Soil Description	Depth (ft)	Bulge (in)	Shear (tst)	Penetrometer (B)
Brown Sand Loam				
	-5	4		19
	769.8			
Brown Clay Loam Till				
		10	2.9	15
			B	
	767.3			
Gray Clay Loam Till				
	-10	12	3.1	12
			B	
		11	3.1	11
			B	
(Soil information taken from bridge borings)				
	-15	12	3.5	9
			B	
(N Values shown are Per Foot)	760.8			
End of Boring	-20			

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.
The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer E-Estimate)
The SPT (N Value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)



SOIL BORING LOG

ROUTE FAI Rt. 74 DESCRIPTION HTCMB at Median Crossover (1114+57) LOGGED BY CNA
SECTION Median Cable 2013-1 LOCATION NW, SEC. 2, TWP. 20N, RNG. 8E, 3rd PM GPS:
COUNTY Champaign DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. Crossover D E L T H U P O W S T B L O W S Qu M O I S T (%) Surface Water Elev. _____ ft
Station _____ Stream Bed Elev. _____ ft
BORING NO. 8 HTCMB Groundwater Elev.: _____ ft
Station 1114+84 First Encounter _____ ft
Offset 6.0 ft Lt. Upon Completion _____ ft
Ground Surface Elev. 769.9 ft After _____ Hrs. _____ ft

Soil Description	Depth (ft)	Bulge (in)	Shear (tst)	Penetrometer (B)
Brown/Gray to Brown Silty Clay (Embankment)				
		4		
		5	2.1	27
		4	B	
		2		
	765.4	3	1.8	25
Brown Silt (Wet - Trace of Free Water)				
	-5	3	B	
	763.9			
Brown Clay Loam Till				
		6		
		5	2.0	15
		6	B	
		4		
		5	2.0	10
		6	B	
	759.9	-10		
End of Boring	-20			

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.
The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer E-Estimate)
The SPT (N Value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

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SOIL BORING LOG

Page 1 of 1

Date 2/10/97

ROUTE FAI Rt. 74 DESCRIPTION HTCMB at Saline Branch LOGGED BY KWW
SECTION Median Cable 2013-1 LOCATION NW, SEC. 10, TWP. 19N, RNG. 9E, 3rd PM GPS:
COUNTY Champaign DRILLING METHOD Hollow Stem Auger HAMMER TYPE Manual

STRUCT. NO. 010-0025/26 Station 373+30 BORING NO. 11 HTCMB Station 373+30 Offset 12.0 ft Lt. Ground Surface Elev. 712.3 ft
D E P T H S U C C E S S I V E M O I S T U R E (ft) (/6") (tst) (%)
Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.: First Encounter ft Upon Completion ft After Hrs. ft

Table with 4 columns: Depth (ft), Blow Count (/6"), Penetration (tst), Moisture (%). Rows include soil descriptions like 'Mixed Brown Silty Clay Loam & Clay Loam (Embankment)' and numerical data points.

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available. The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer E-Estimate) The SPT (N Value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)



SOIL BORING LOG

Page 1 of 1

Date 4/14/89

ROUTE FAI Rt. 74 DESCRIPTION HTCMB at Urbana/IL 130 Spur LOGGED BY KWW
SECTION Median Cable 2013-1 LOCATION NW, SEC. 10, TWP. 19N, RNG. 9E, 3rd PM GPS:
COUNTY Champaign DRILLING METHOD Hollow Stem Auger HAMMER TYPE Manual

STRUCT. NO. 010-0033 Station 399+80.13 BORING NO. 12 HTCMB Station 399+43 Offset 4.0 ft Lt. Ground Surface Elev. 733.5 ft
D E P T H S U C C E S S I V E M O I S T U R E (ft) (/6") (tst) (%)
Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.: First Encounter 719.5 ft Upon Completion ft After Hrs. ft

Table with 4 columns: Depth (ft), Blow Count (/6"), Penetration (tst), Moisture (%). Rows include soil descriptions like 'Black Silty Clay', 'Brown Gray Mottled Silty Clay', 'Brown Gray Mottled Clay Loam', 'Brown Clay Loam Till' and numerical data points.

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available. The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer E-Estimate) The SPT (N Value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

1/17/2013 2:13:11 PM S:\SOILS\2013 SOILS WORK\HTCMB I-74 CHAMP_URBANA\MEDIAN_CABLE_2013-HTCMB.GPJ



Table with 4 columns: USER NAME, DESIGNED, DRAWN, CHECKED, PLOT DATE. Values include Richard Heinke, JAH, RNH, TMM, 3/7/2013.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS SCALE: NONE SHEET 6 OF 7 SHEETS STA. TO STA.

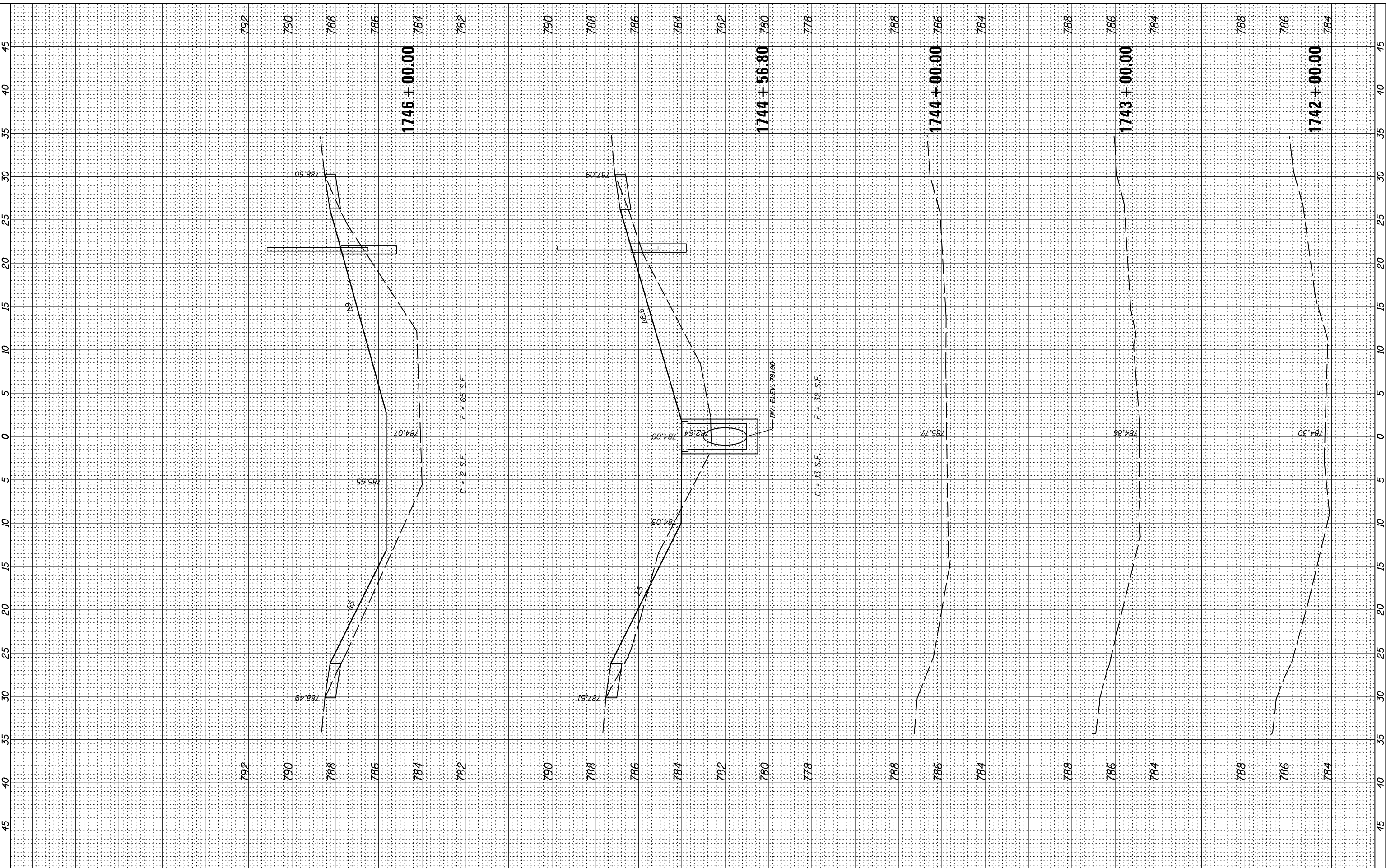
Table with 5 columns: F.A.I. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO. Values include 74, MEDIAN CABLE 2013-1, CHAMPAIGN, 119, 52.

CONTRACT NO. 70A00 ILLINOIS FED. AID PROJECT

BY	DATE

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

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McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
PLOT SCALE = 10.0000' / 1"	DRAWN - RNH	REVISED -
PLOT DATE = 3/7/2013	CHECKED - TMM	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 F.A.I. 74**

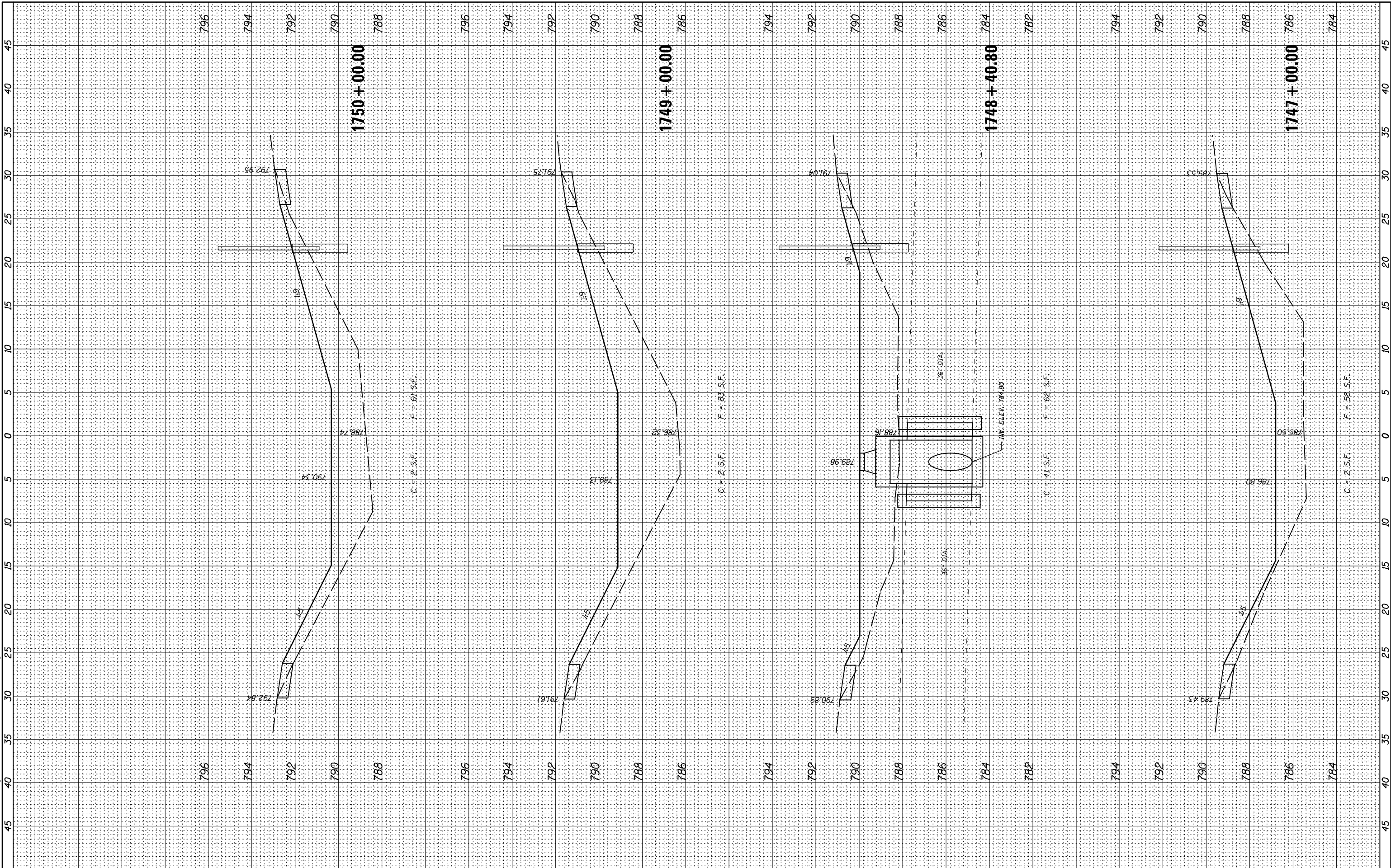
SCALE: SHEET 1 OF 66 SHEETS STA. 1742+00.00 TO STA. 1746+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	54
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

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

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

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McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
PLOT SCALE = 10.0000' / 1"	DRAWN - RNH	REVISED -
PLOT DATE = 3/7/2013	CHECKED - TMM	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 F.A.I. 74**

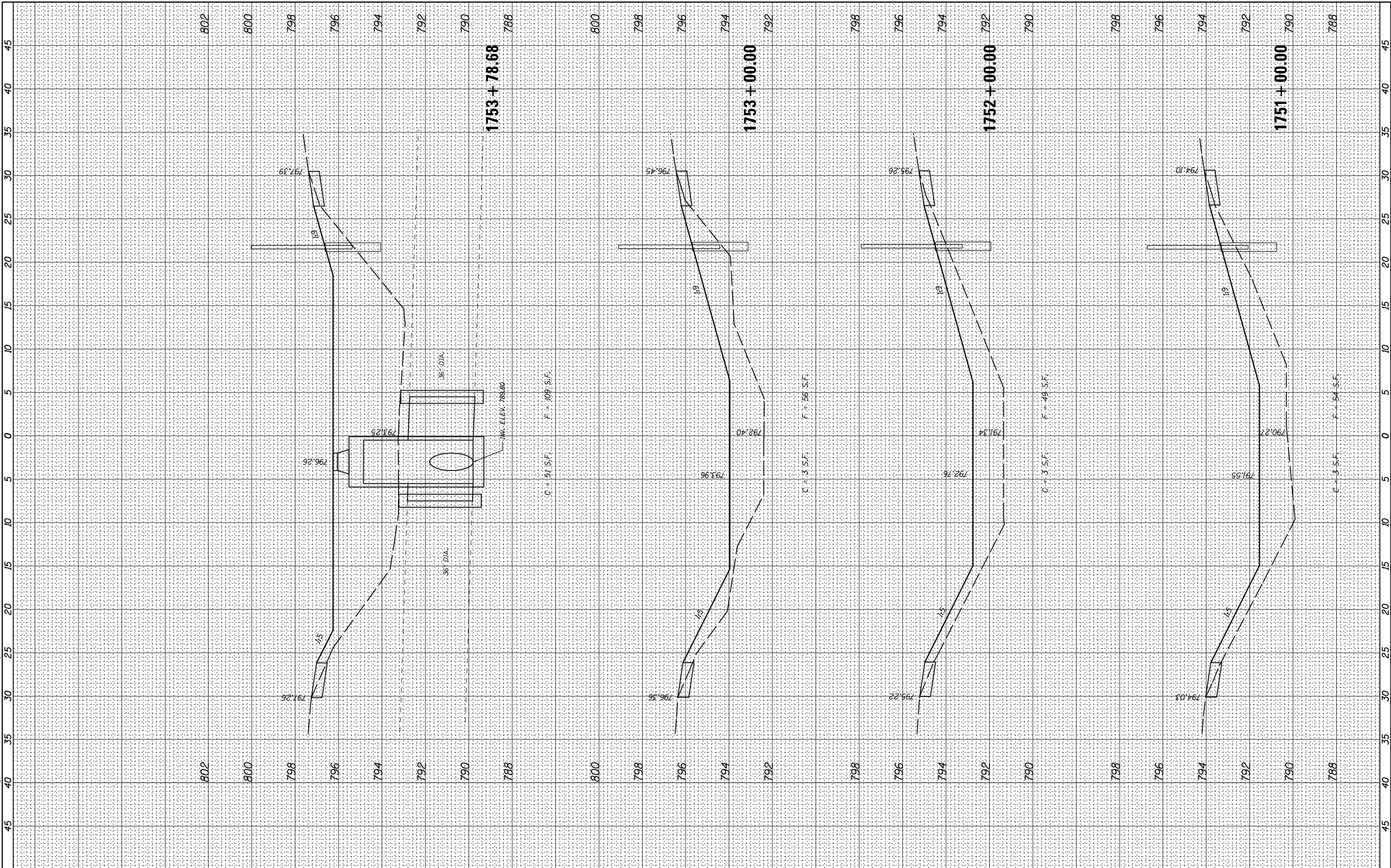
SCALE: SHEET 2 OF 66 SHEETS STA. 1747+00.00 TO STA. 1750+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	55
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

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

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

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McDonough-Whitlow, P.C.
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 PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
PLOT SCALE = 10.0000' / 1"	DRAWN - RNH	REVISED -
PLOT DATE = 3/7/2013	CHECKED - TMM	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 F.A.I. 74**

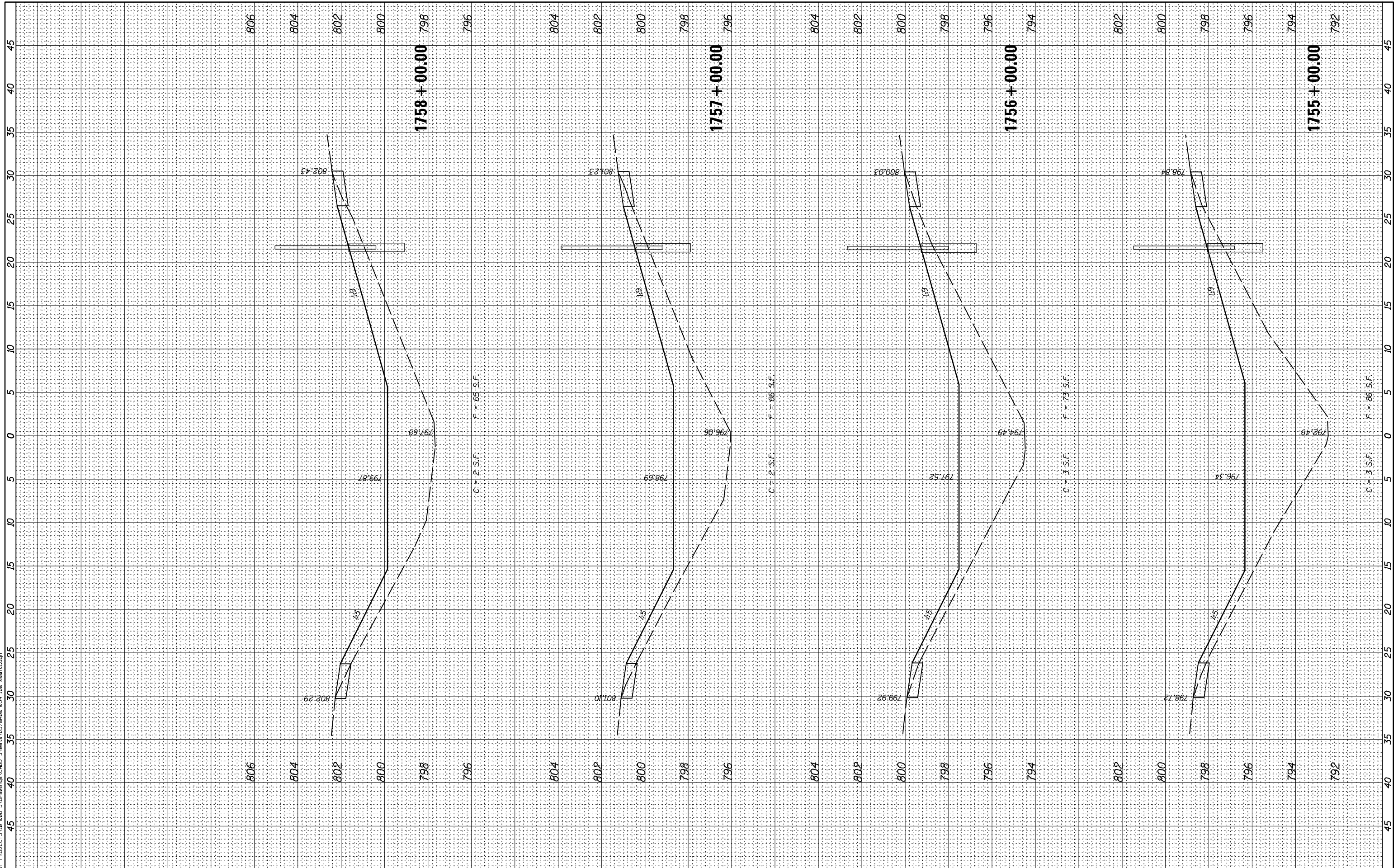
SCALE: SHEET 3 OF 66 SHEETS STA. 1751+00.00 TO STA. 1753+78.68

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	56
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

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McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
PLOT SCALE = 10,0000' / 1"	DRAWN - RNH	REVISED -
PLOT DATE = 3/7/2013	CHECKED - TMM	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 F.A.I. 74**

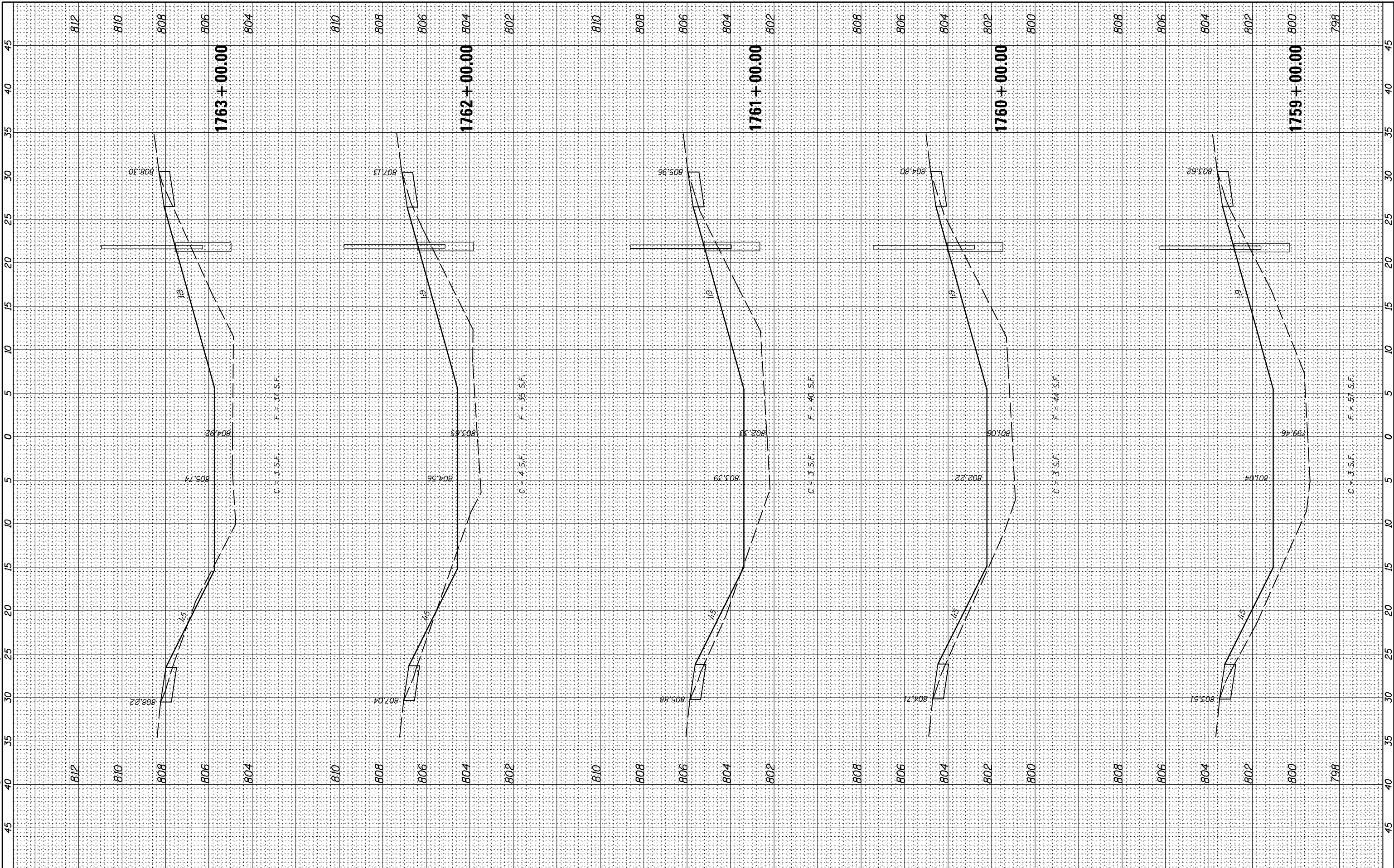
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	57
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

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

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

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McDonough-Whitlow, P.C.
Consulting Engineers & Land Surveyors
PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke
DESIGNED - JAH
DRAWN - RNH
CHECKED - TMM
DATE - 3/7/2013

DESIGNED - JAH
DRAWN - RNH
CHECKED - TMM
DATE -

REVISED -
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REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
F.A.I. 74**

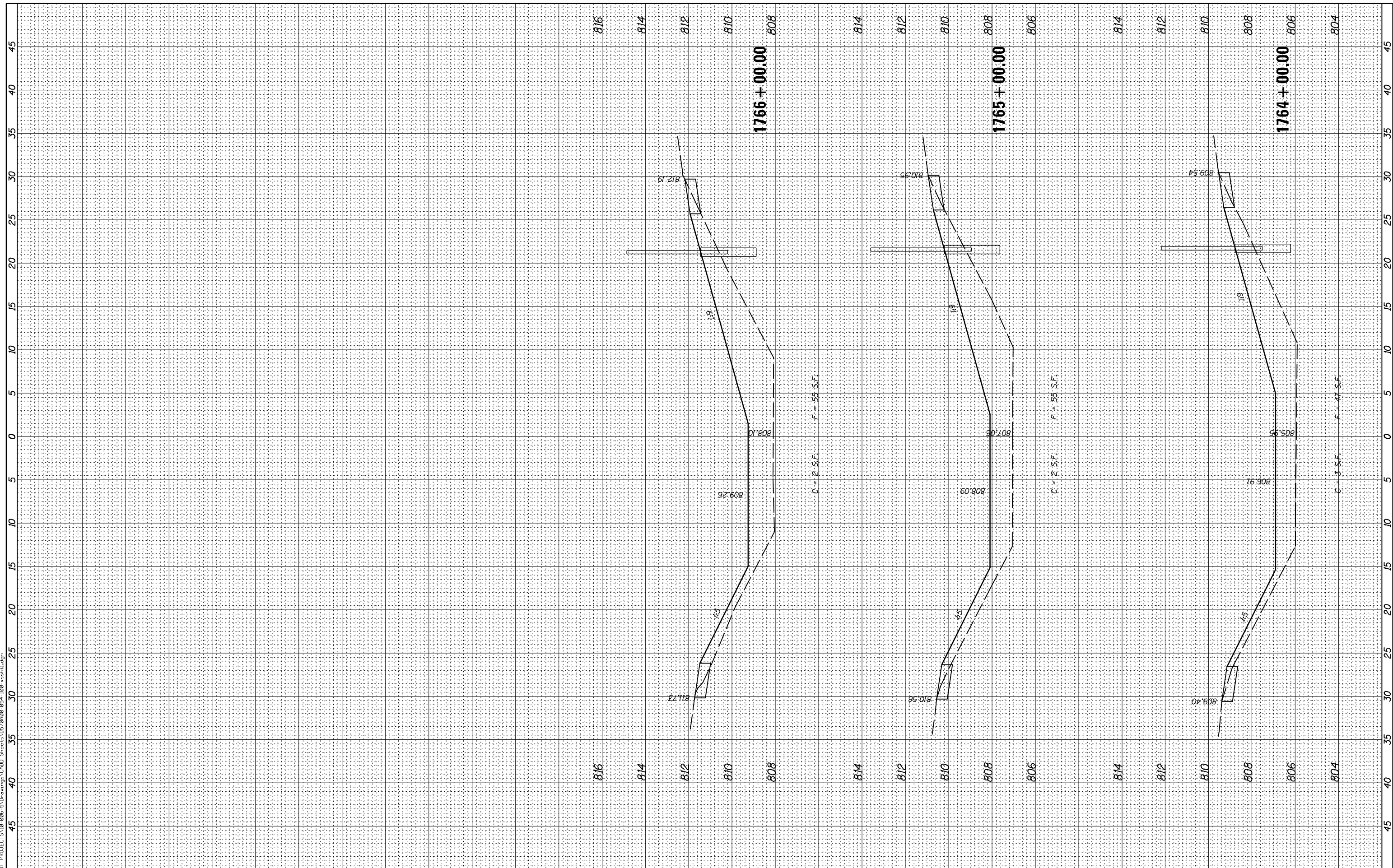
SCALE: SHEET 5 OF 66 SHEETS STA. 1759+00.00 TO STA. 1763+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	58
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

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

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

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 Consulting Engineers & Land Surveyors
 PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
PLOT SCALE = 10.0000' / 1"	DRAWN - RNH	REVISED -
PLOT DATE = 3/7/2013	CHECKED - TMM	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 F.A.I. 74**

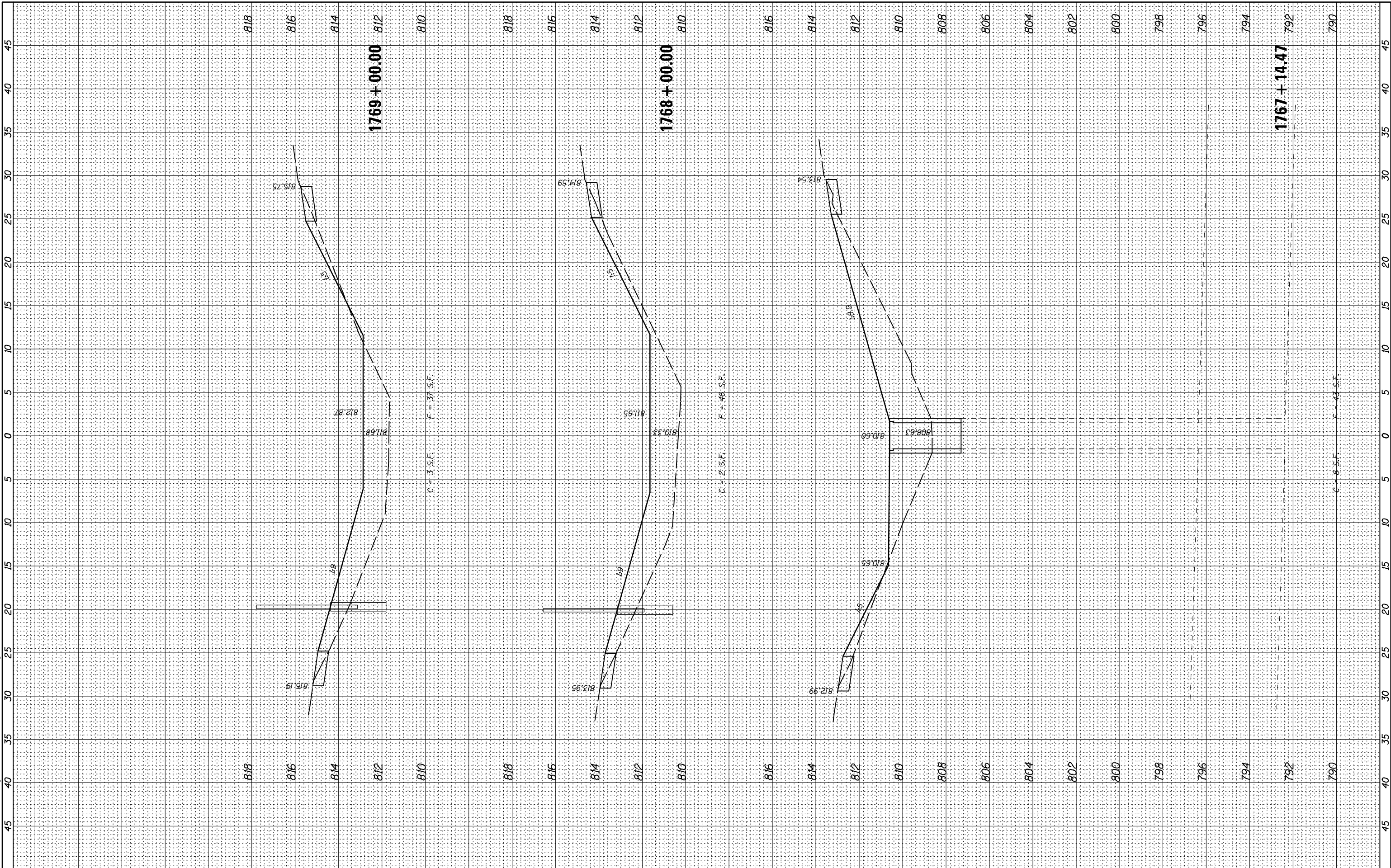
SCALE: SHEET 6 OF 66 SHEETS STA. 1764+00.00 TO STA. 1766+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	59
ILLINOIS FED. AID PROJECT			CONTRACT NO. 70A00	

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

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 PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
PLOT SCALE = 10.0000' / 1"	DRAWN - RNH	REVISED -
PLOT DATE = 3/7/2013	CHECKED - TMM	REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 F.A.I. 74**

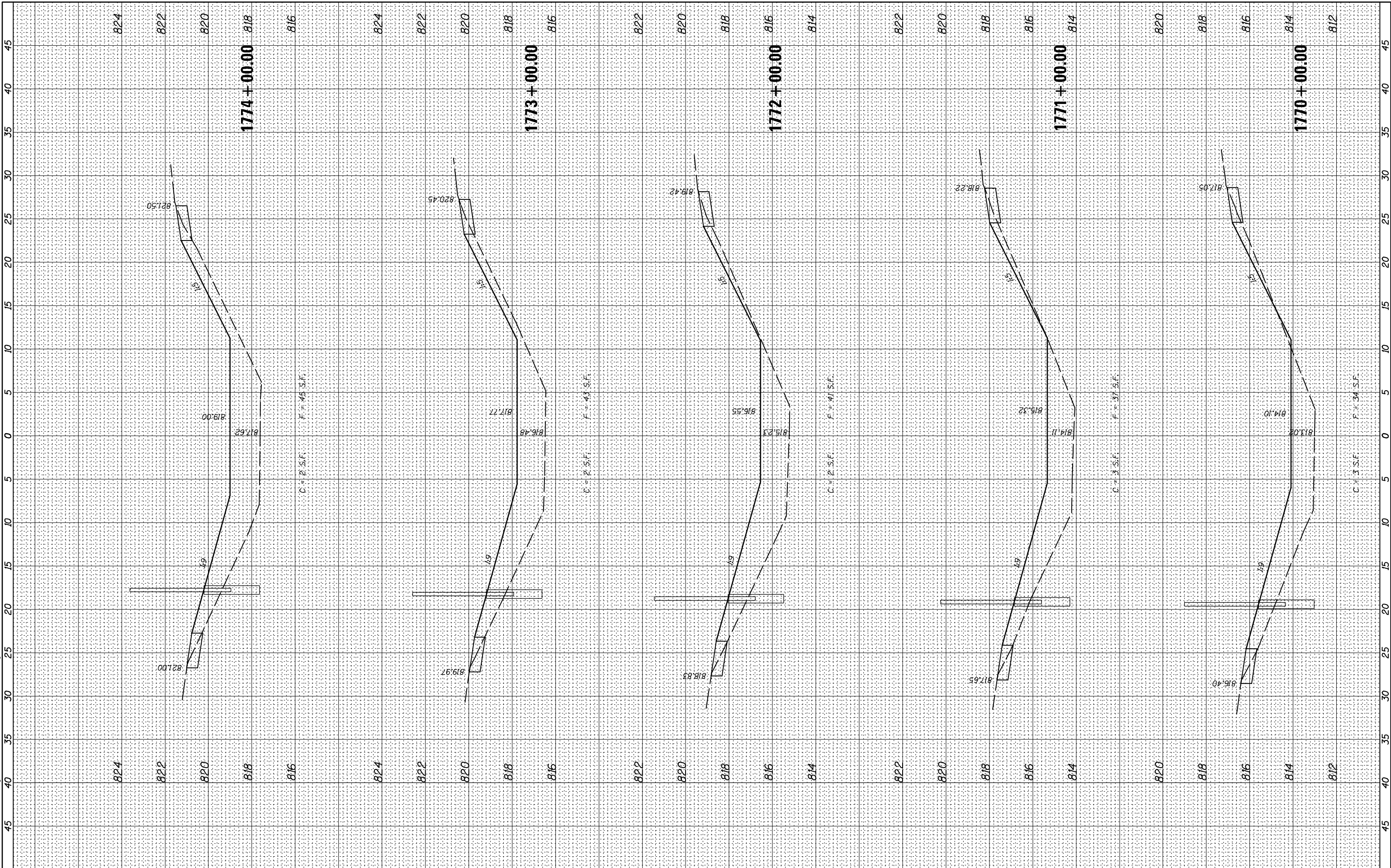
SCALE: SHEET 7 OF 66 SHEETS STA. 1767+14.47 TO STA. 1769+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	60
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

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Consulting Engineers & Land Surveyors
PROFESSIONAL DESIGN NO. 184-002754
USER NAME = Richard Heinke
PLOT SCALE = 10.0000' / 1"
PLOT DATE = 3/7/2013

DESIGNED - JAH
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
F.A.I. 74

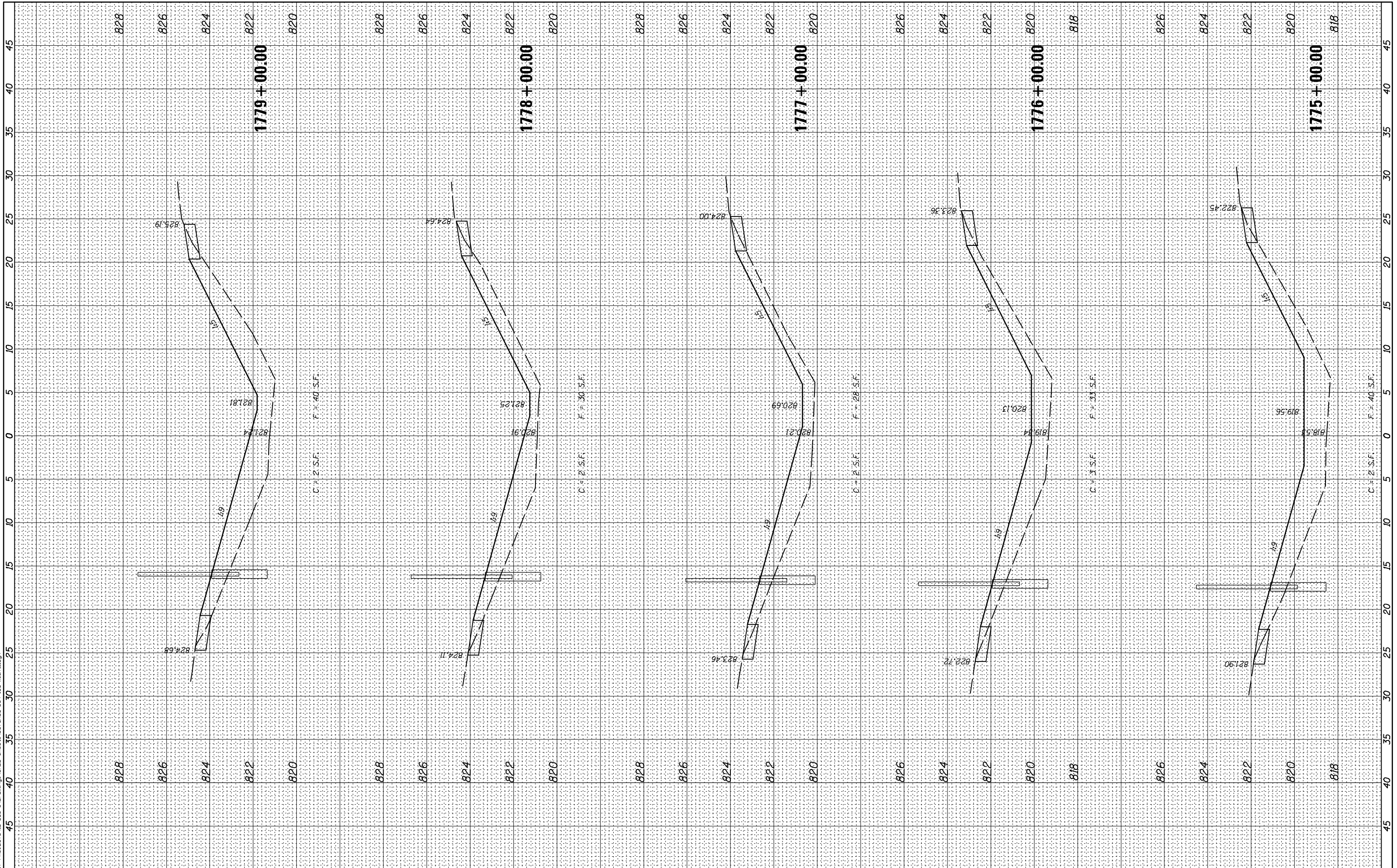
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	61
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

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

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

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C = 2 S.F. F = 30 S.F.

C = 2 S.F. F = 28 S.F.

C = 7 S.F. F = 33 S.F.

C = 2 S.F. F = 40 S.F.

McDonough-Whitlow, P.C.
Consulting Engineers & Land Surveyors
PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke
DESIGNED - JAH
DRAWN - RNH
CHECKED - TMM
DATE - 3/7/2013

REVISIONS
REVISED -
REVISED - RNH
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REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
F.A.I. 74**

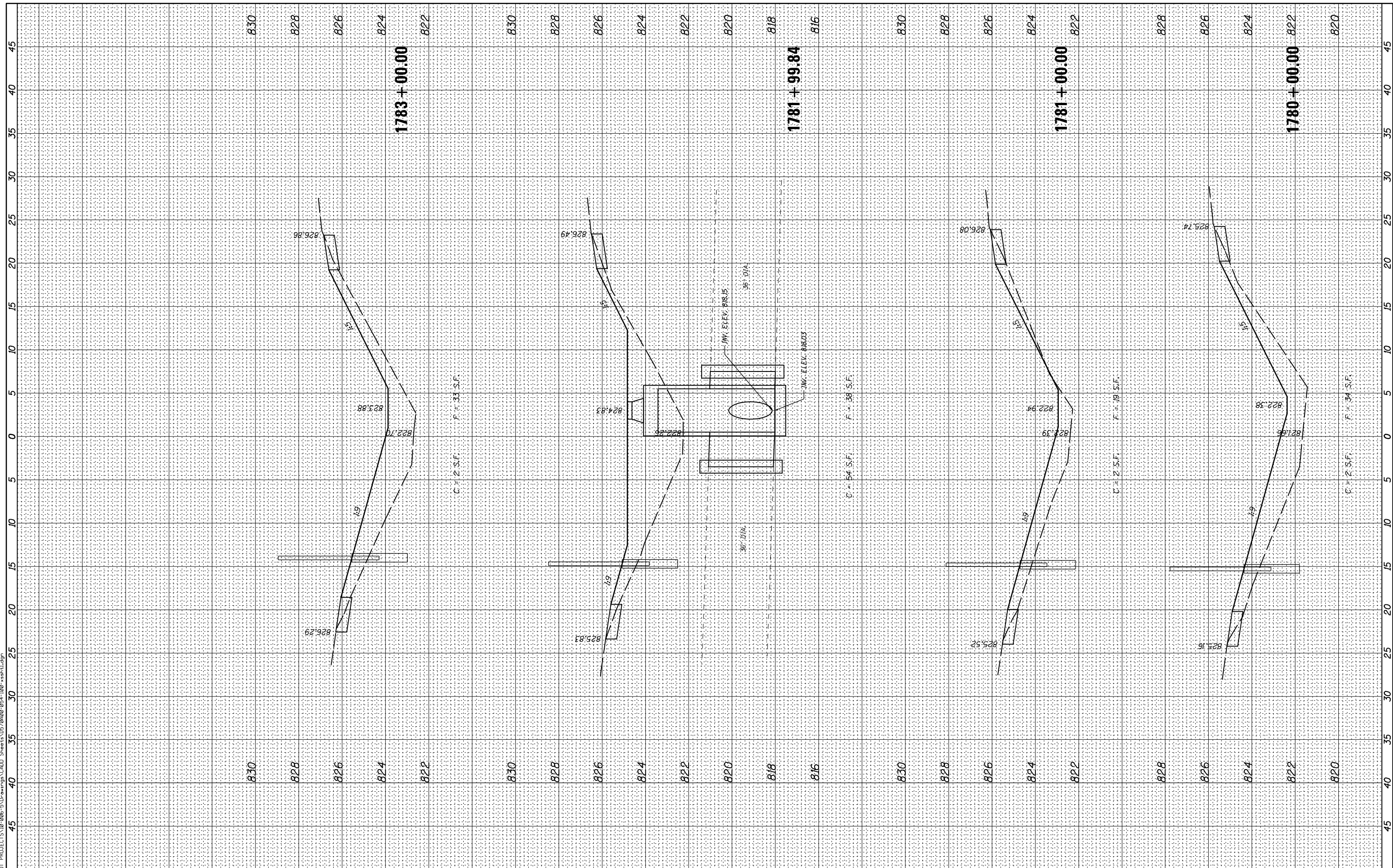
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	62
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

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McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
PLOT SCALE = 10.0000' / 1"	DRAWN - RNH	REVISED -
PLOT DATE = 3/7/2013	CHECKED - TMM	REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 F.A.I. 74**

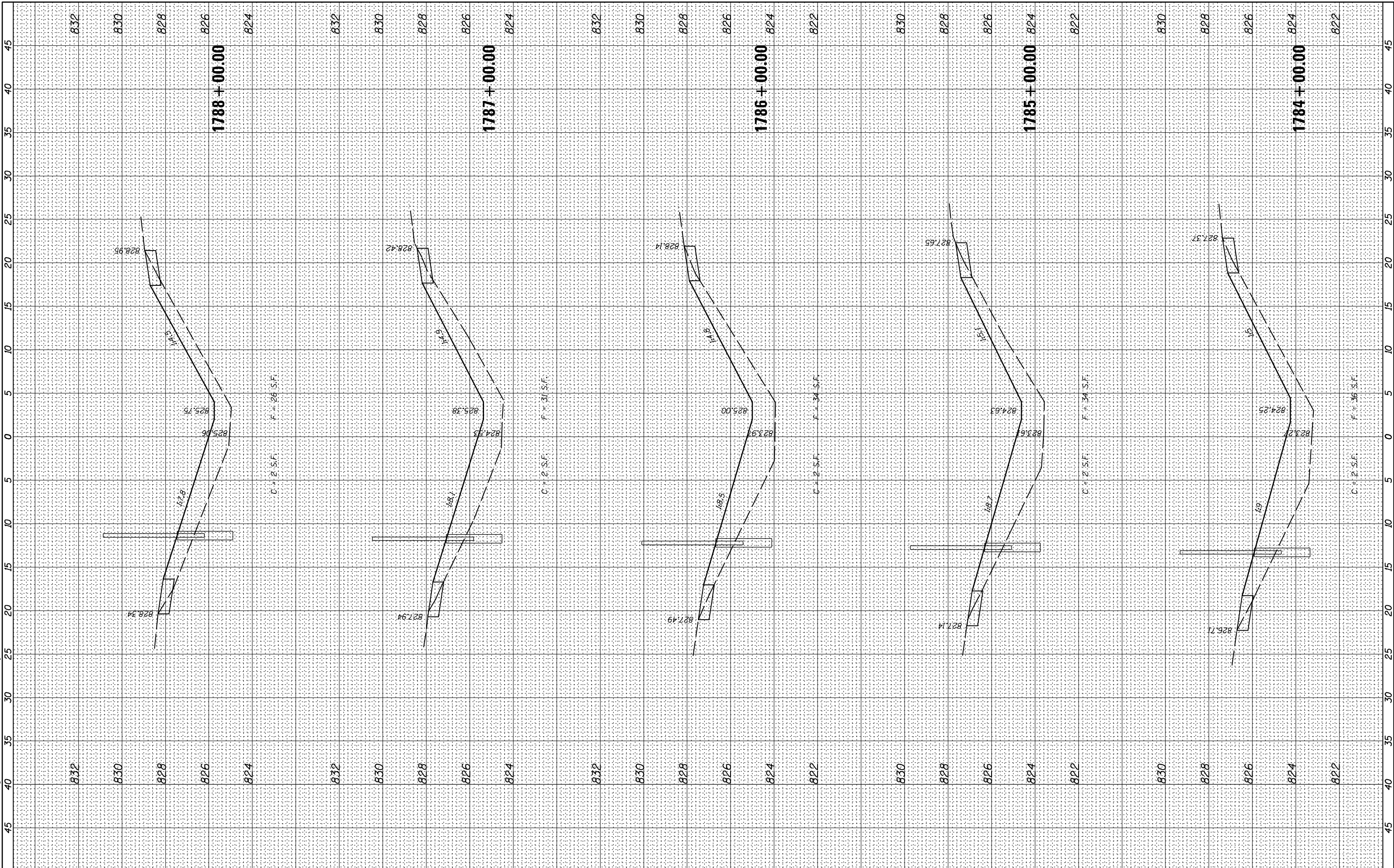
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	63
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

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

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

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McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - RNH	REVISED -
PLOT DATE = 3/7/2013	CHECKED - TMM	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 F.A.I. 74**

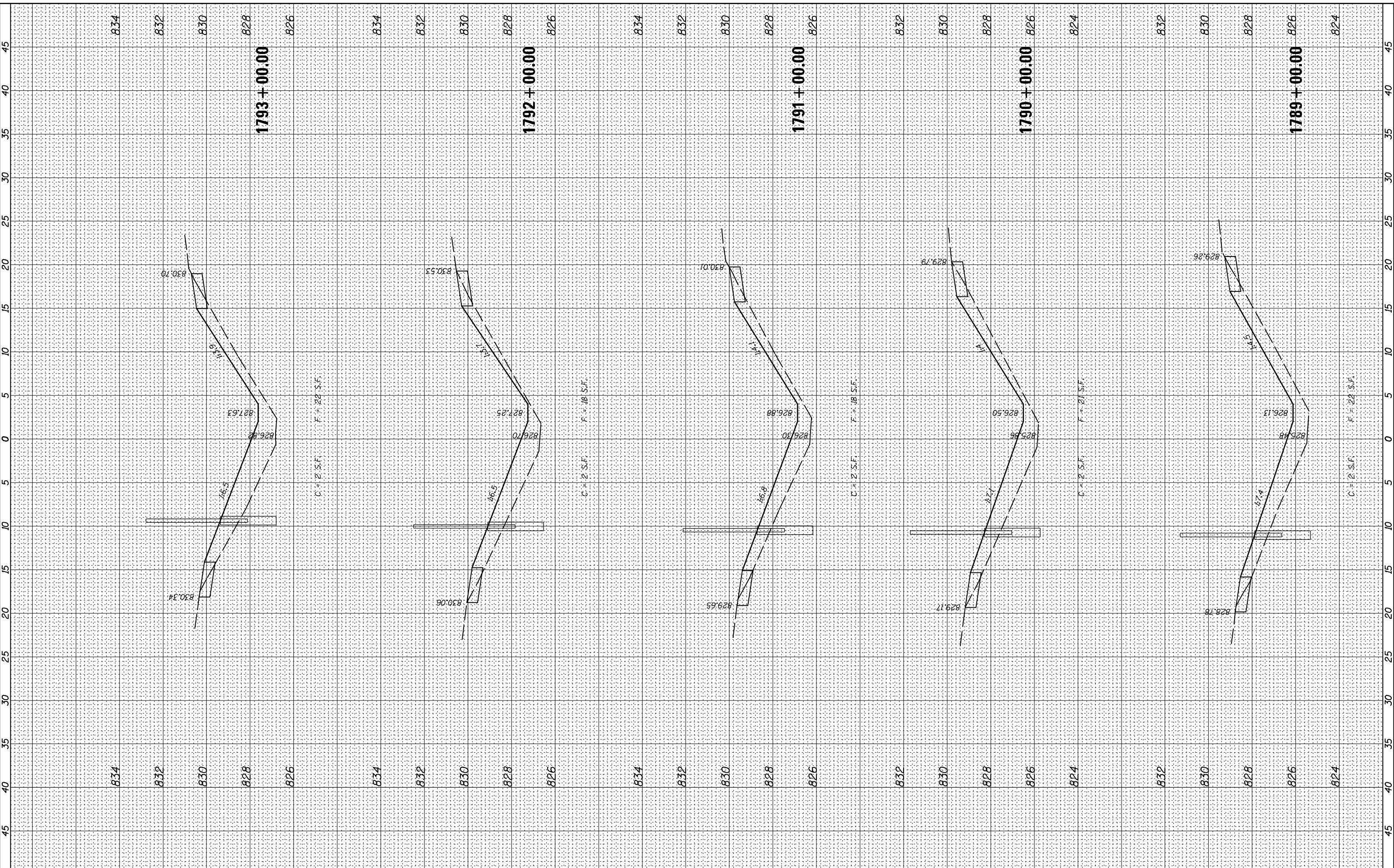
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	64
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

BY	DATE

BY	DATE

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McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - RNH	REVISED -
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	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

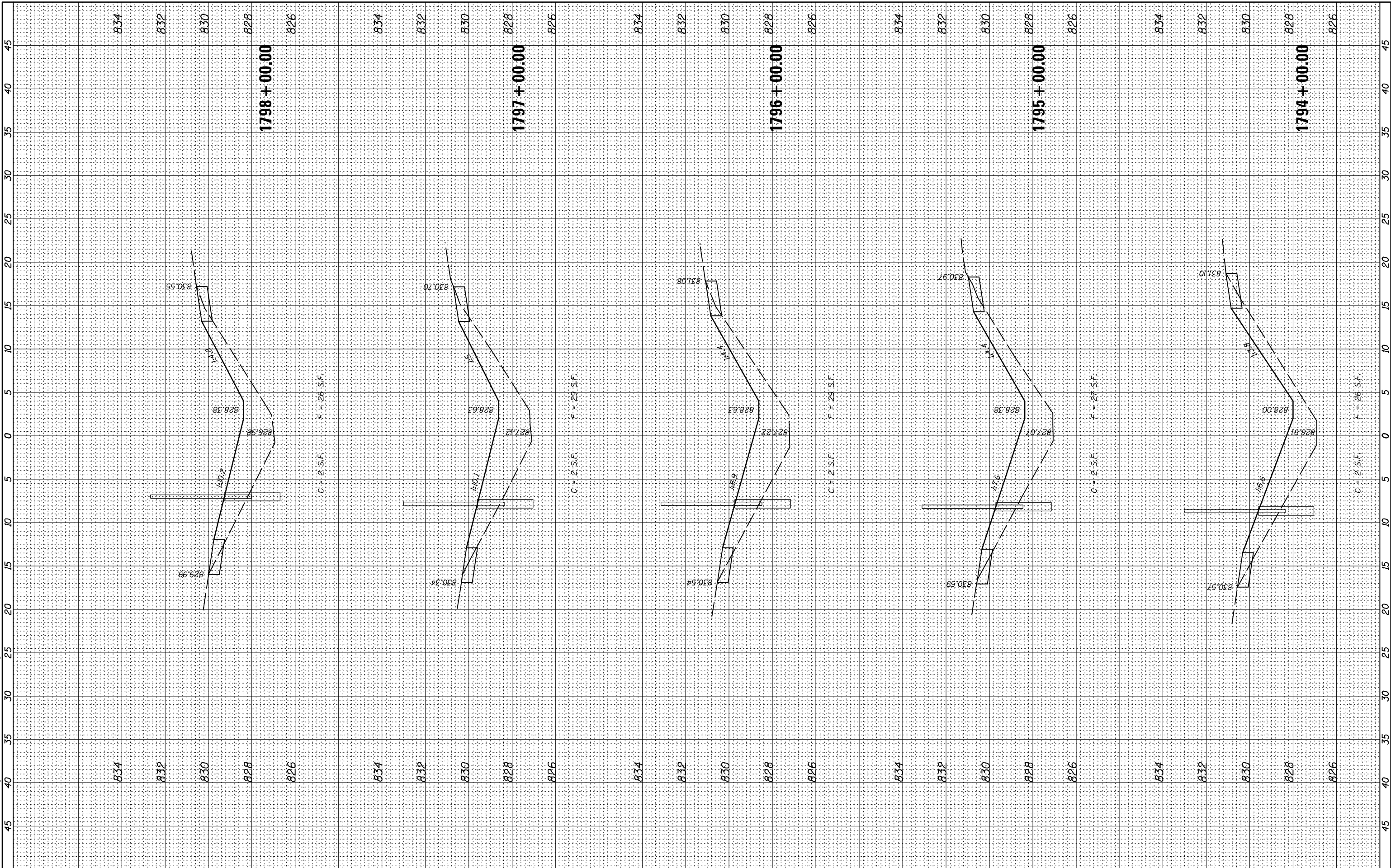
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F.A.I. 74	
SCALE:	SHEET 12 OF 66 SHEETS STA. 1789+00.00 TO STA. 1793+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	65
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

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

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McDonough-Whitlow, P.C.
Consulting Engineers & Land Surveyors
PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke
DESIGNED - JAH
DRAWN - RNH
CHECKED - TMM
DATE - 3/7/2013

REVISIONS:
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
F.A.I. 74**

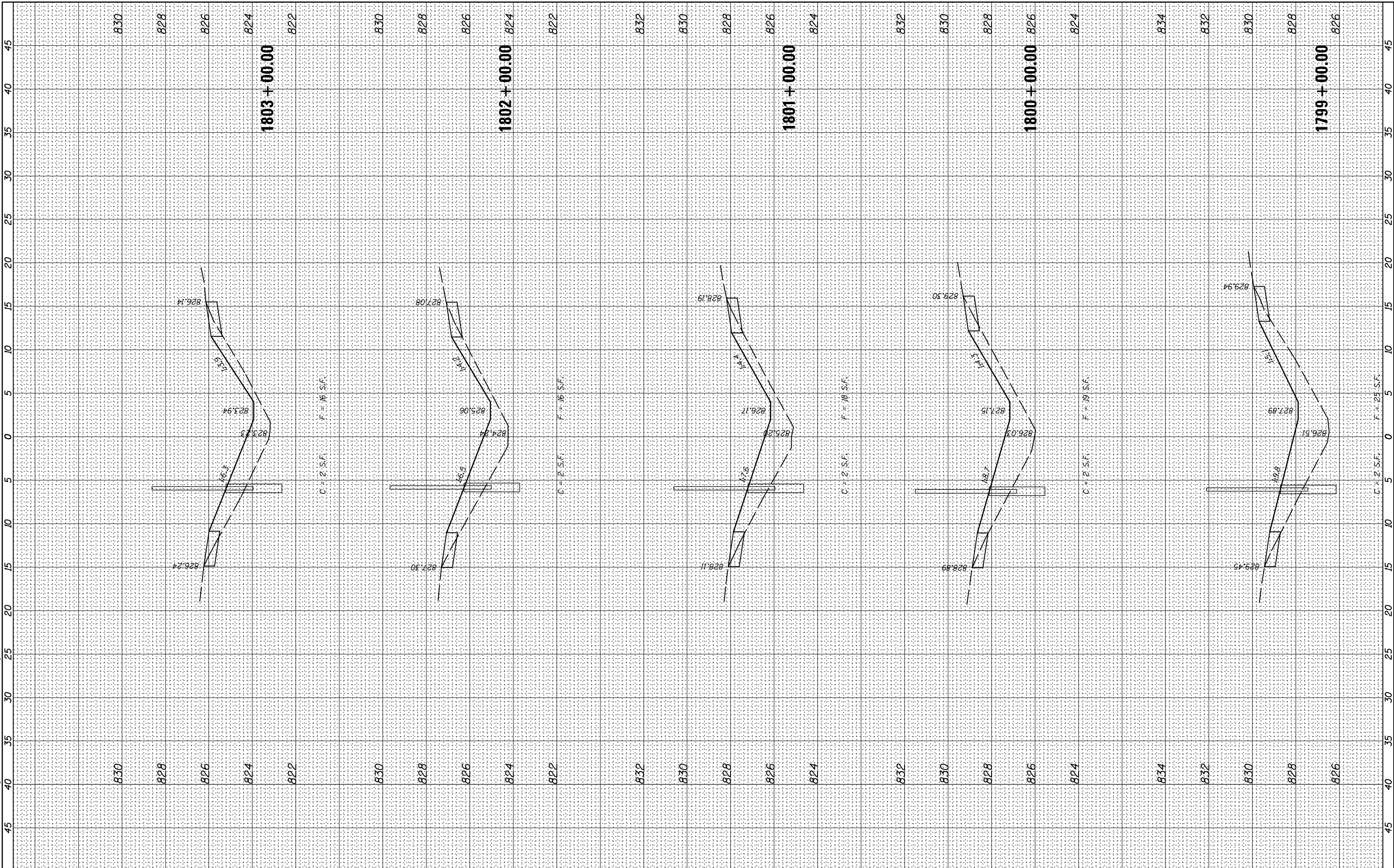
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	66
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

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

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

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McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - RNH	REVISED -
PLOT DATE = 3/7/2013	CHECKED - TMM	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 F.A.I. 74**

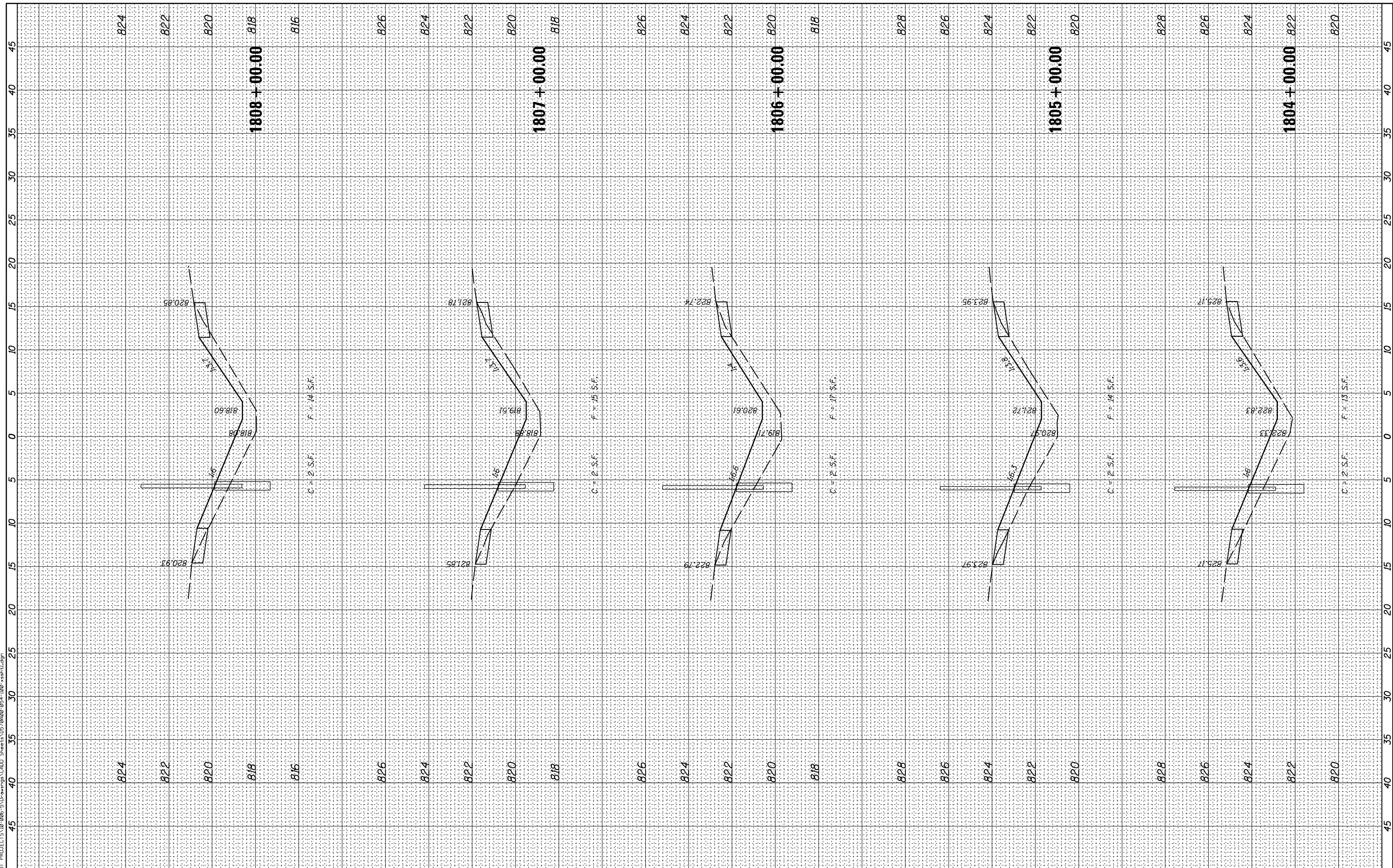
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	67
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

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

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

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McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke
 DESIGNED - JAH
 DRAWN - RNH
 CHECKED - TMM
 DATE - 3/7/2013
 PLOT SCALE = 10.0000" / 1"
 PLOT DATE = 3/7/2013

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

**CROSS SECTIONS
 F.A.I. 74**

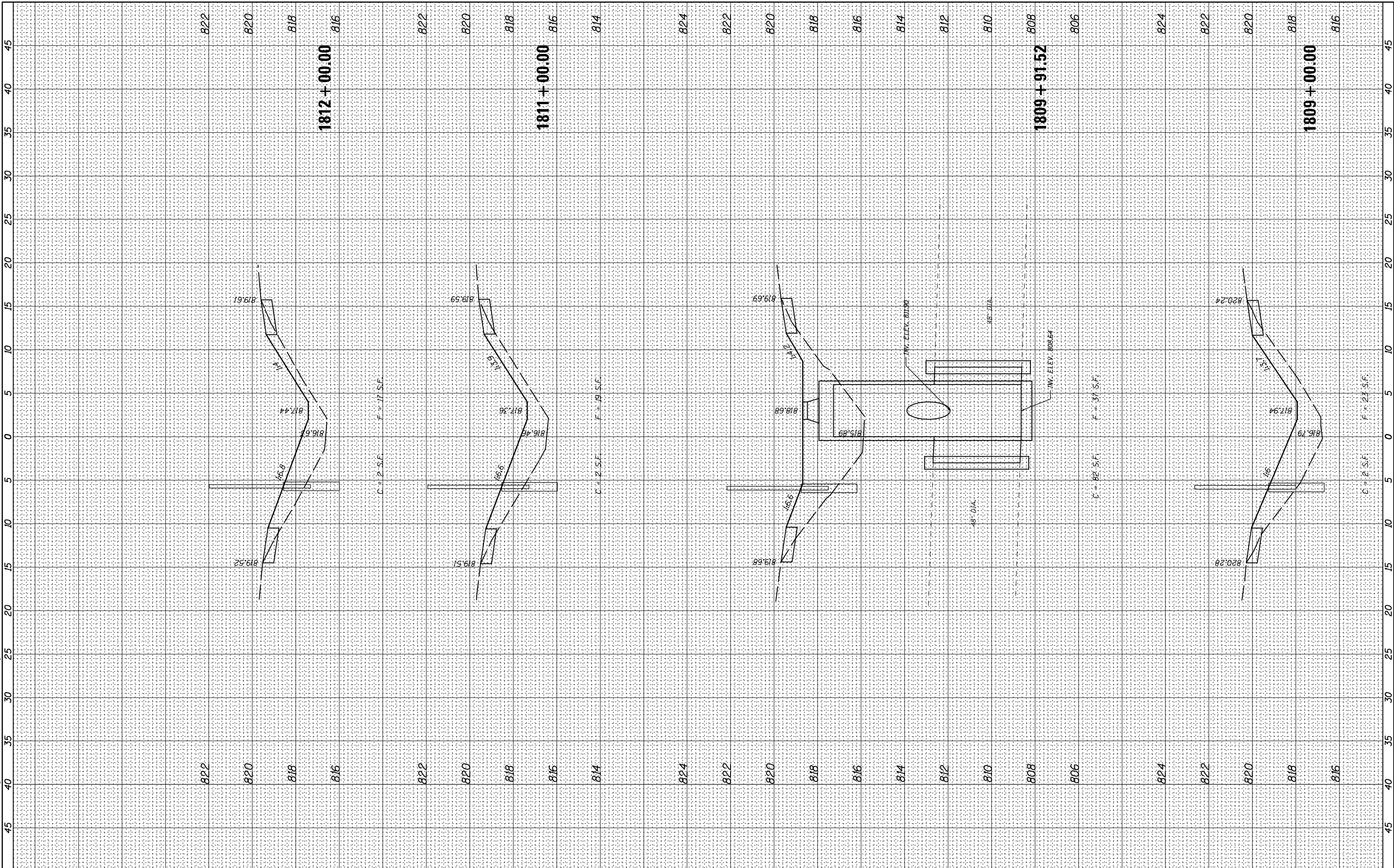
SCALE: SHEET 15 OF 66 SHEETS STA. 1804+00.00 TO STA. 1808+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	68
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

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McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
PLOT SCALE = 10.0000" / 1"	DRAWN - RNH	REVISED -
PLOT DATE = 3/7/2013	CHECKED - TMM	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 F.A.I. 74**

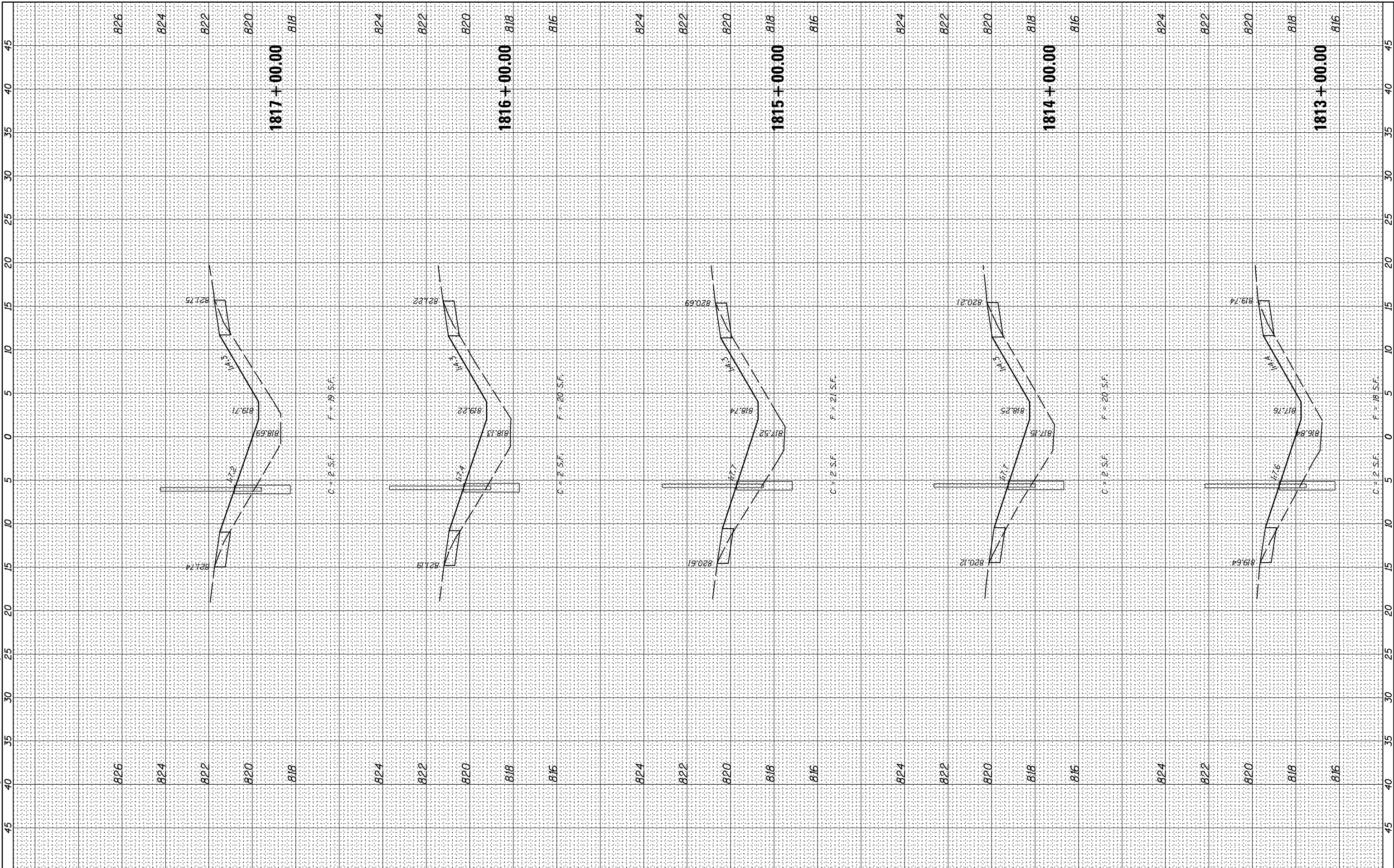
SCALE: SHEET 16 OF 66 SHEETS STA. 1809+00.00 TO STA. 1812+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	69
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

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

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

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McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - RNH	REVISED -
PLOT DATE = 3/7/2013	CHECKED - TMM	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 F.A.I. 74**

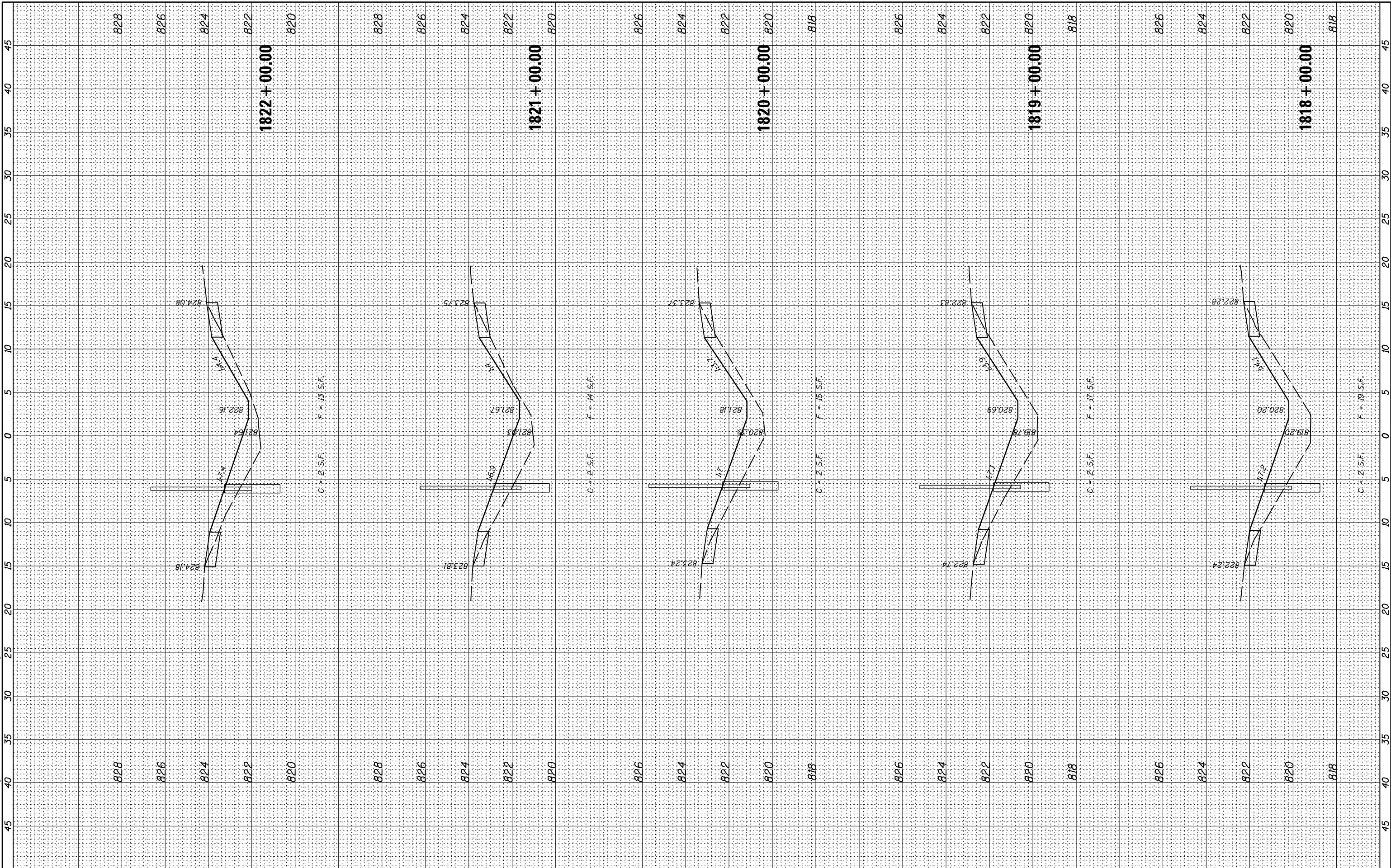
SCALE: SHEET 17 OF 66 SHEETS STA. 1813+00.00 TO STA. 1817+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	70
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

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

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

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McDonough-Whitlow, P.C.
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 PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - RNH	REVISED -
PLOT DATE = 3/7/2013	CHECKED - TMM	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 F.A.I. 74**

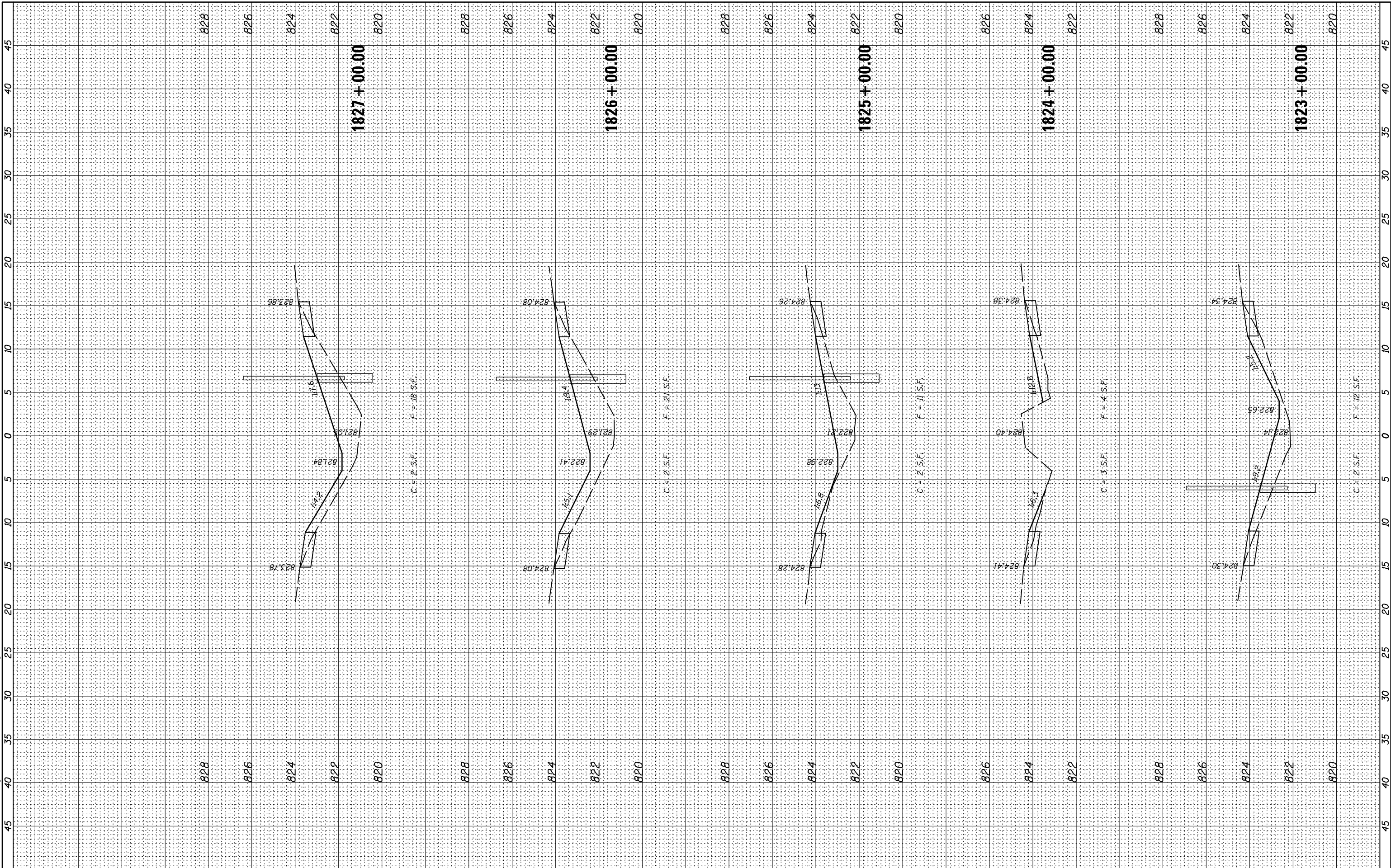
SCALE: SHEET 18 OF 66 SHEETS STA. 1818+00.00 TO STA. 1822+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	71
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

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

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

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 PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
PLOT SCALE = 10.0000' / 1"	DRAWN - RNH	REVISED -
PLOT DATE = 3/7/2013	CHECKED - TMM	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 F.A.I. 74**

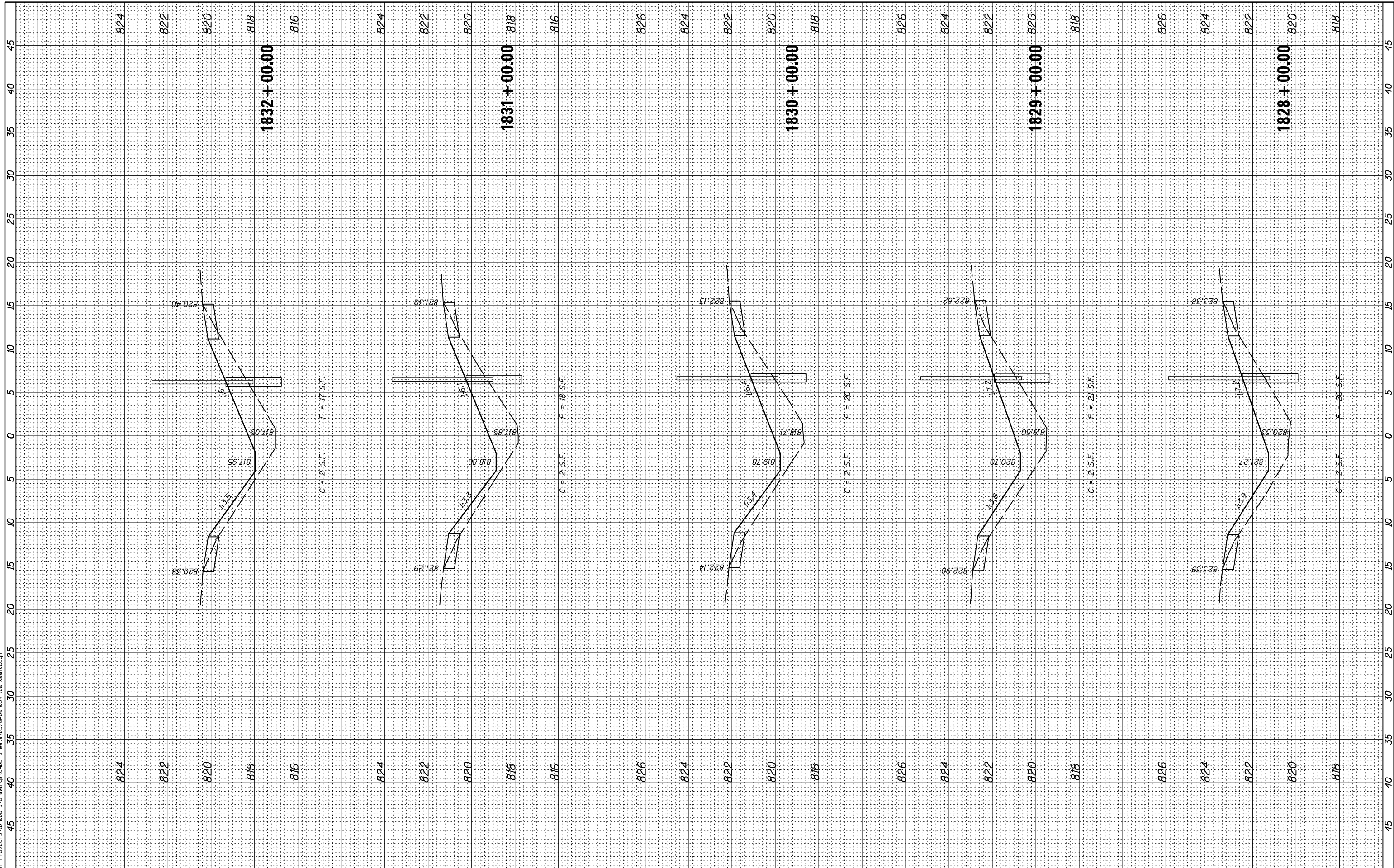
SCALE: SHEET 19 OF 66 SHEETS STA. 1823+00.00 TO STA. 1827+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	72
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

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

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

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McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 PROFESSIONAL DESIGN NO. 184-002754

USER NAME	= Richard Heinke
DESIGNED	- JAH
DRAWN	- RNH
CHECKED	- TMM
DATE	-
PLOT SCALE	= 10.0000" / 1"
PLOT DATE	= 3/7/2013

REVISED	-
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REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 F.A.I. 74**

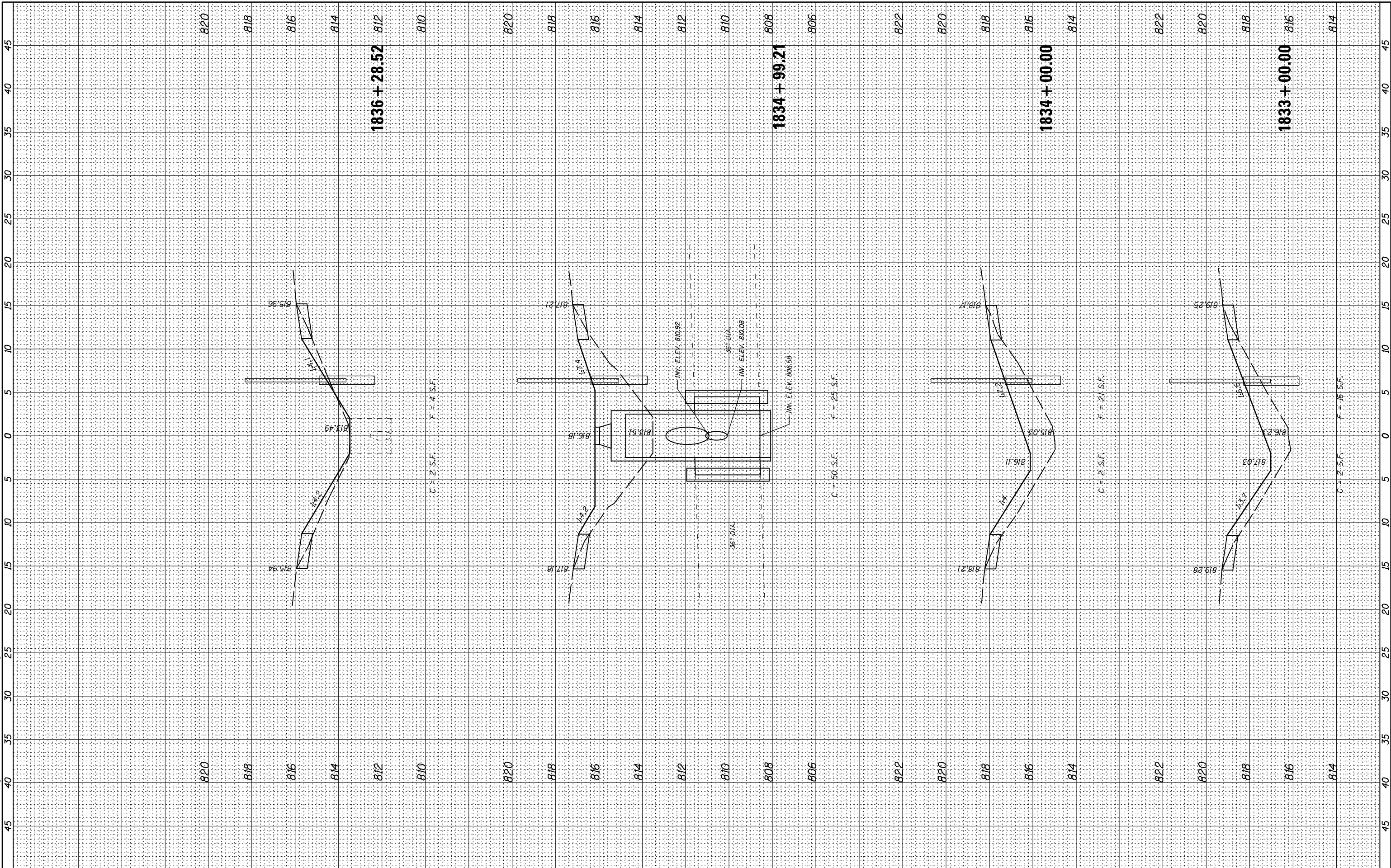
SCALE: SHEET 20 OF 66 SHEETS STA. 1828+00.00 TO STA. 1832+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	73
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

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McDonough-Whitlow, P.C.
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 PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
PLOT SCALE = 10.0000' / 1"	DRAWN - RNH	REVISED -
PLOT DATE = 3/7/2013	CHECKED - TMM	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 F.A.I. 74**

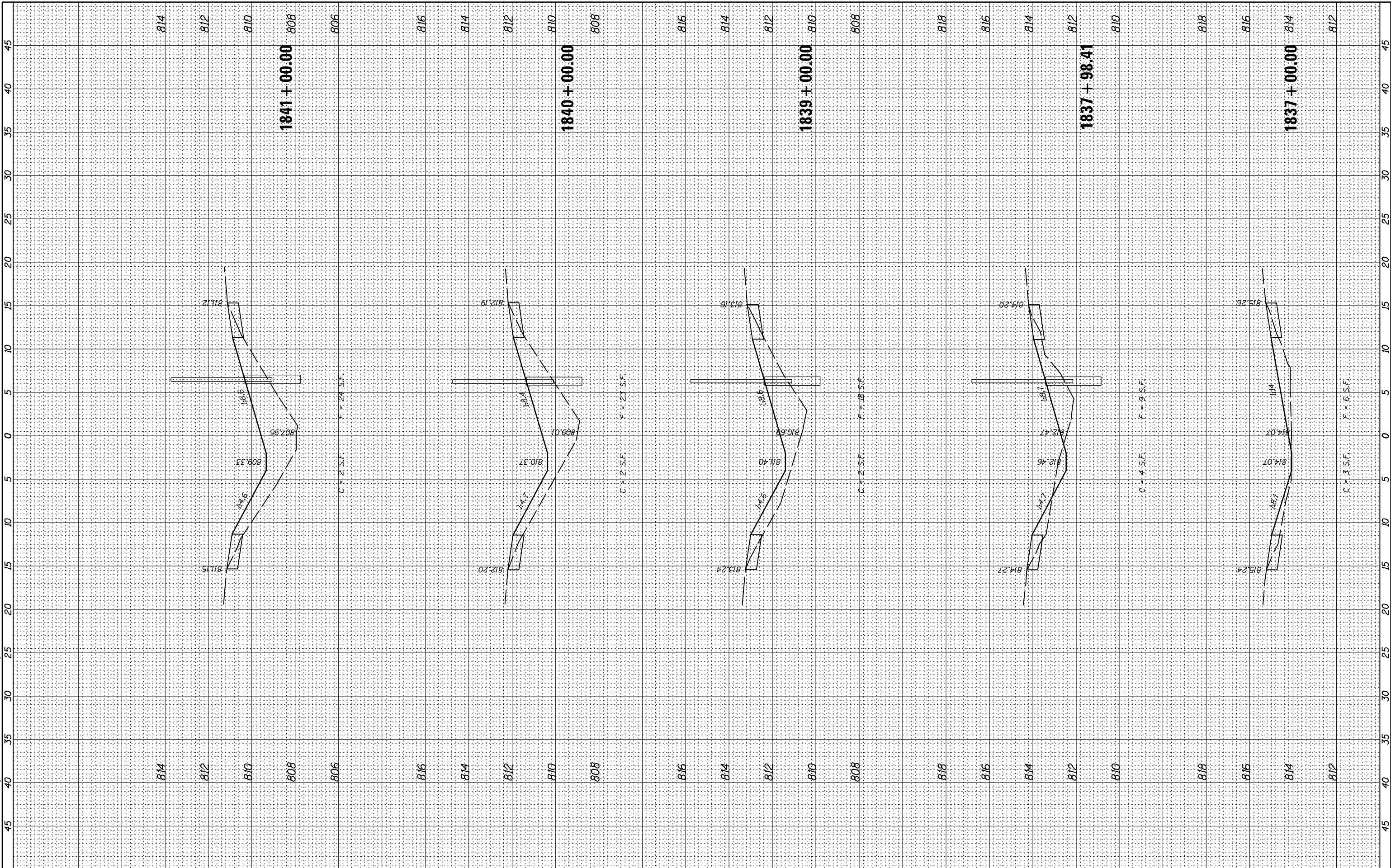
SCALE: SHEET 21 OF 66 SHEETS STA. 1833+00.00 TO STA. 1836+28.52

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	74
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

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

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

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USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - RNH	REVISED -
PLOT DATE = 3/7/2013	CHECKED - TMM	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
F.A.I. 74**

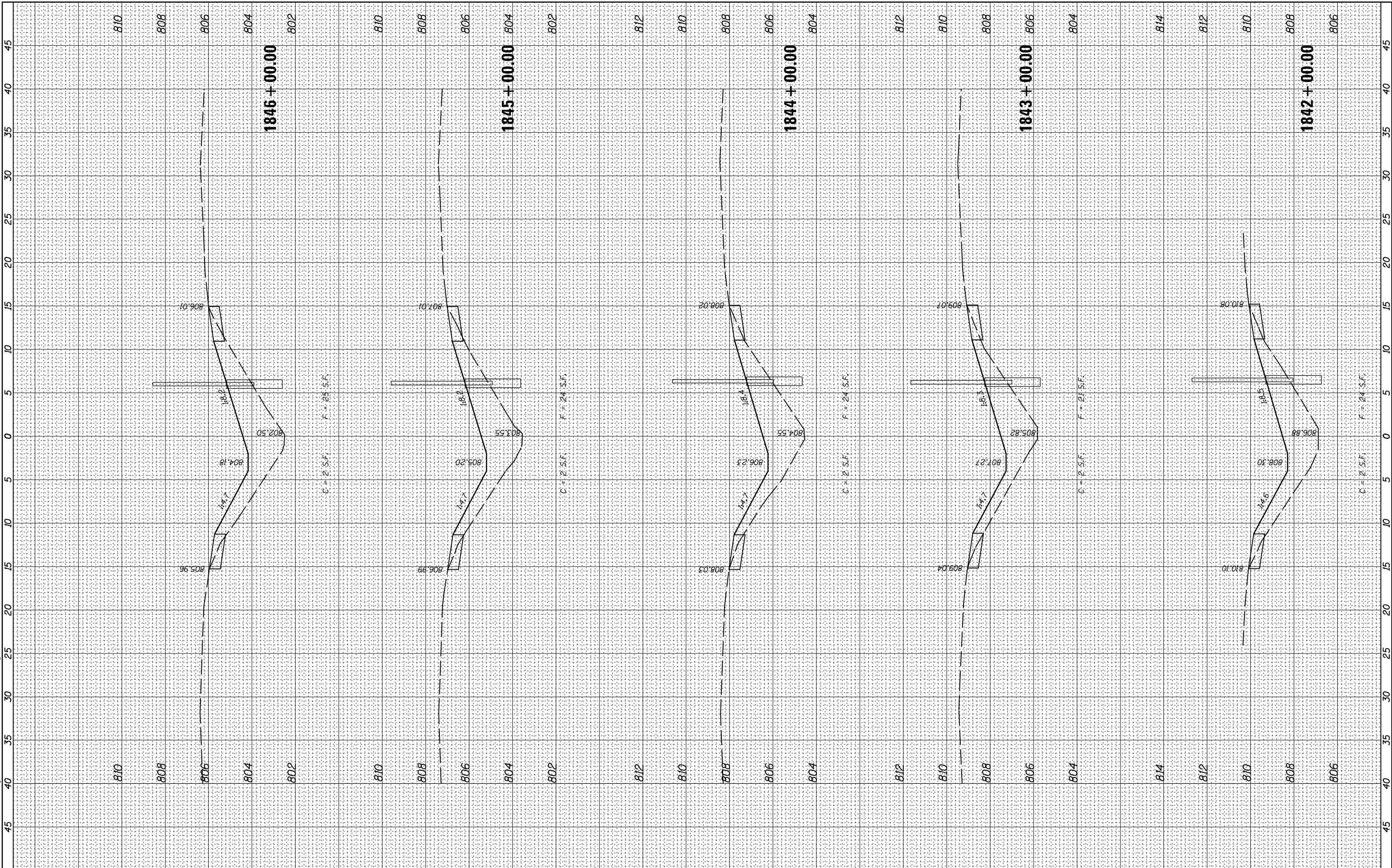
SCALE: SHEET 22 OF 66 SHEETS STA. 1837+00.00 TO STA. 1841+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	75
ILLINOIS FED. AID PROJECT			CONTRACT NO. 70A00	

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

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

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McDonough-Whitlow, P.C.
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PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke
DESIGNED - JAH
DRAWN - RNH
CHECKED - TMM
DATE - 3/7/2013

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
F.A.I. 74**

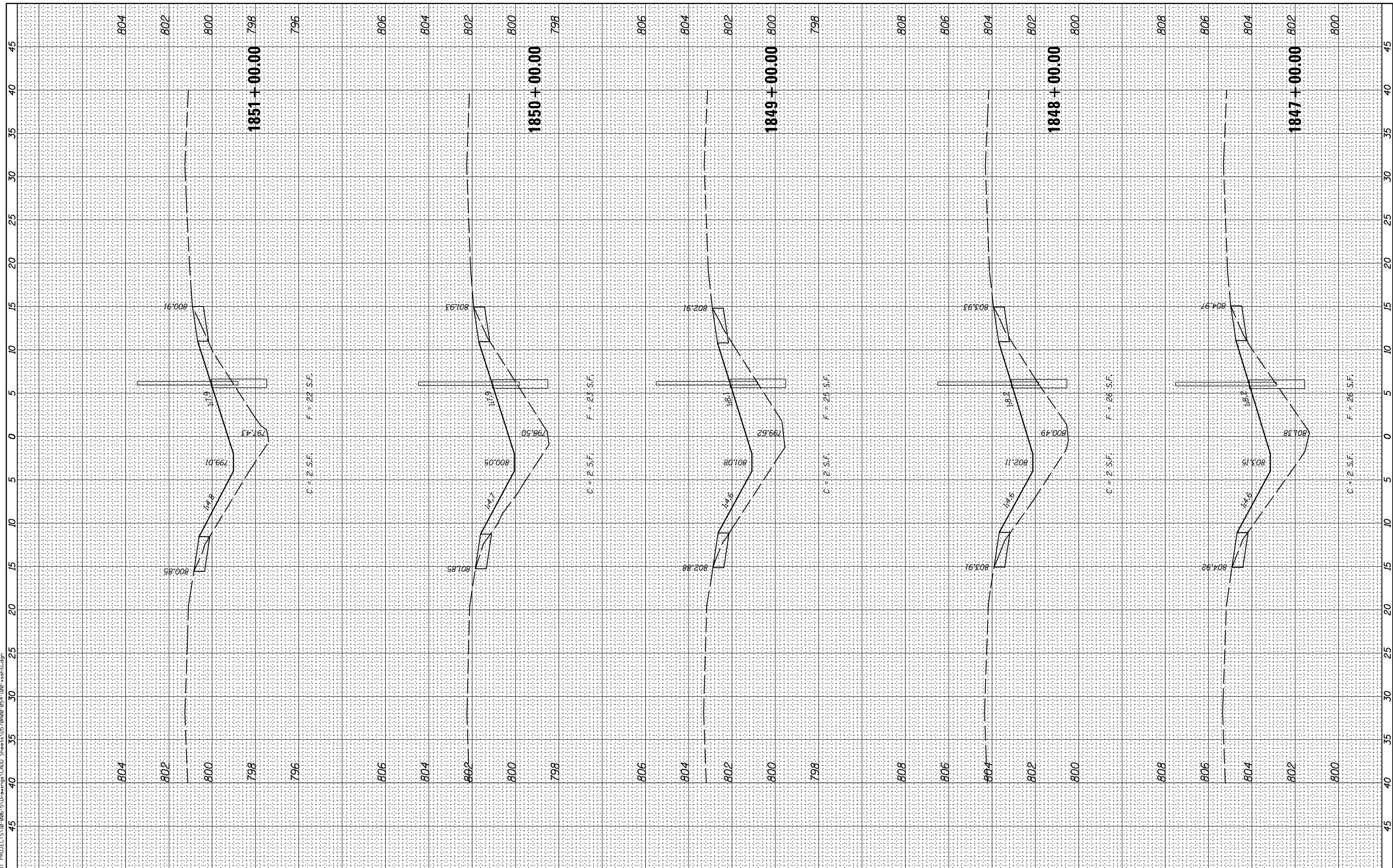
SCALE: SHEET 23 OF 66 SHEETS STA. 1842+00.00 TO STA. 1846+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	76
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

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

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

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 Consulting Engineers & Land Surveyors
 PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - RNH	REVISED -
PLOT DATE = 3/7/2013	CHECKED - TMM	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 F.A.I. 74**

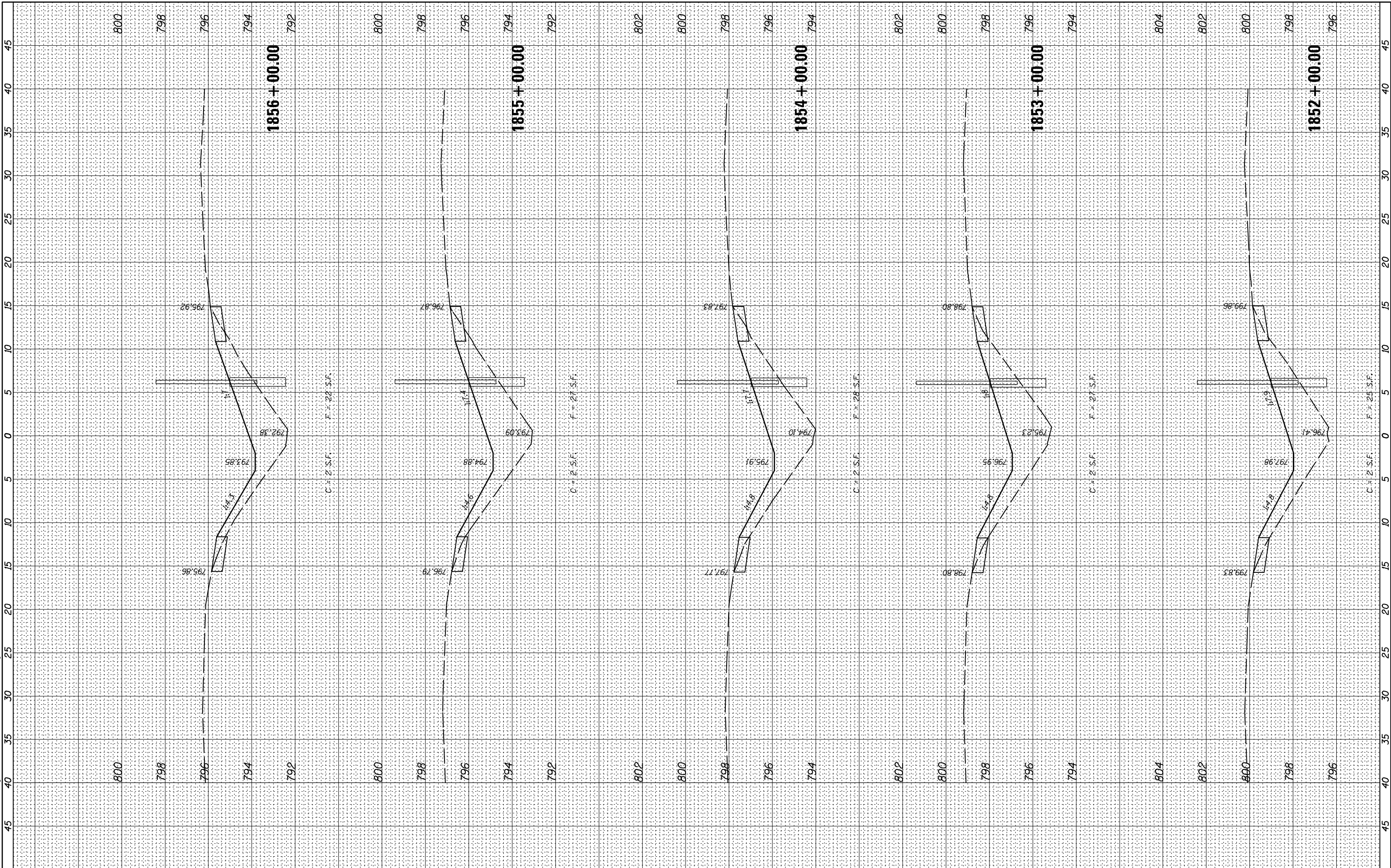
SCALE: SHEET 24 OF 66 SHEETS STA. 1847+00.00 TO STA. 1851+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	77
			CONTRACT NO. 70A00	
ILLINOIS FED. AID PROJECT				

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

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

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McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke
 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 3/7/2013

DESIGNED - JAH
 DRAWN - RNH
 CHECKED - TMM
 DATE -

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

**CROSS SECTIONS
 F.A.I. 74**

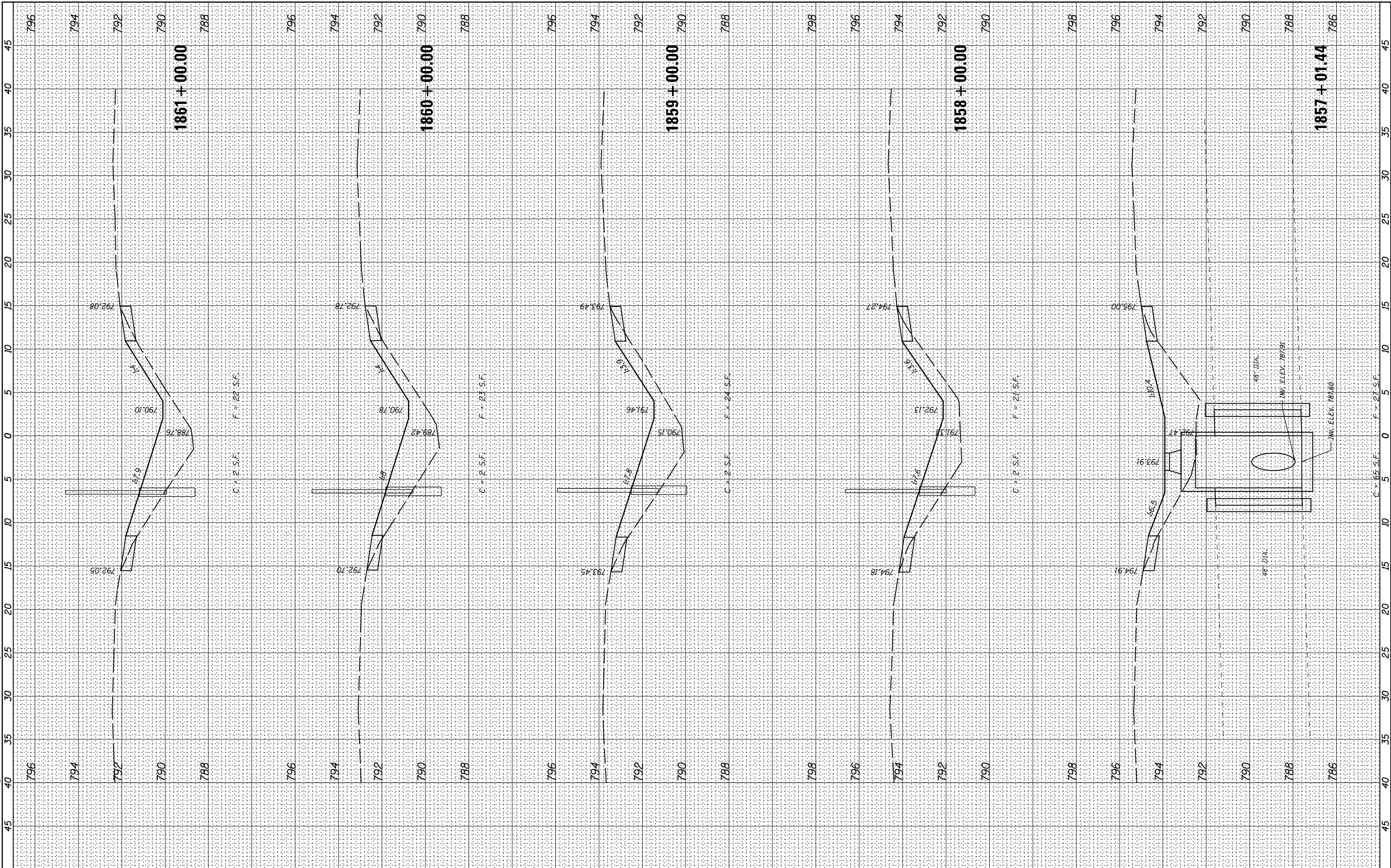
SCALE: SHEET 25 OF 66 SHEETS STA. 1852+00.00 TO STA. 1856+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	78
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

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

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
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McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
PLOT SCALE = 10.0000' / 1"	DRAWN - RNH	REVISED -
PLOT DATE = 3/7/2013	CHECKED - TMM	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 F.A.I. 74**

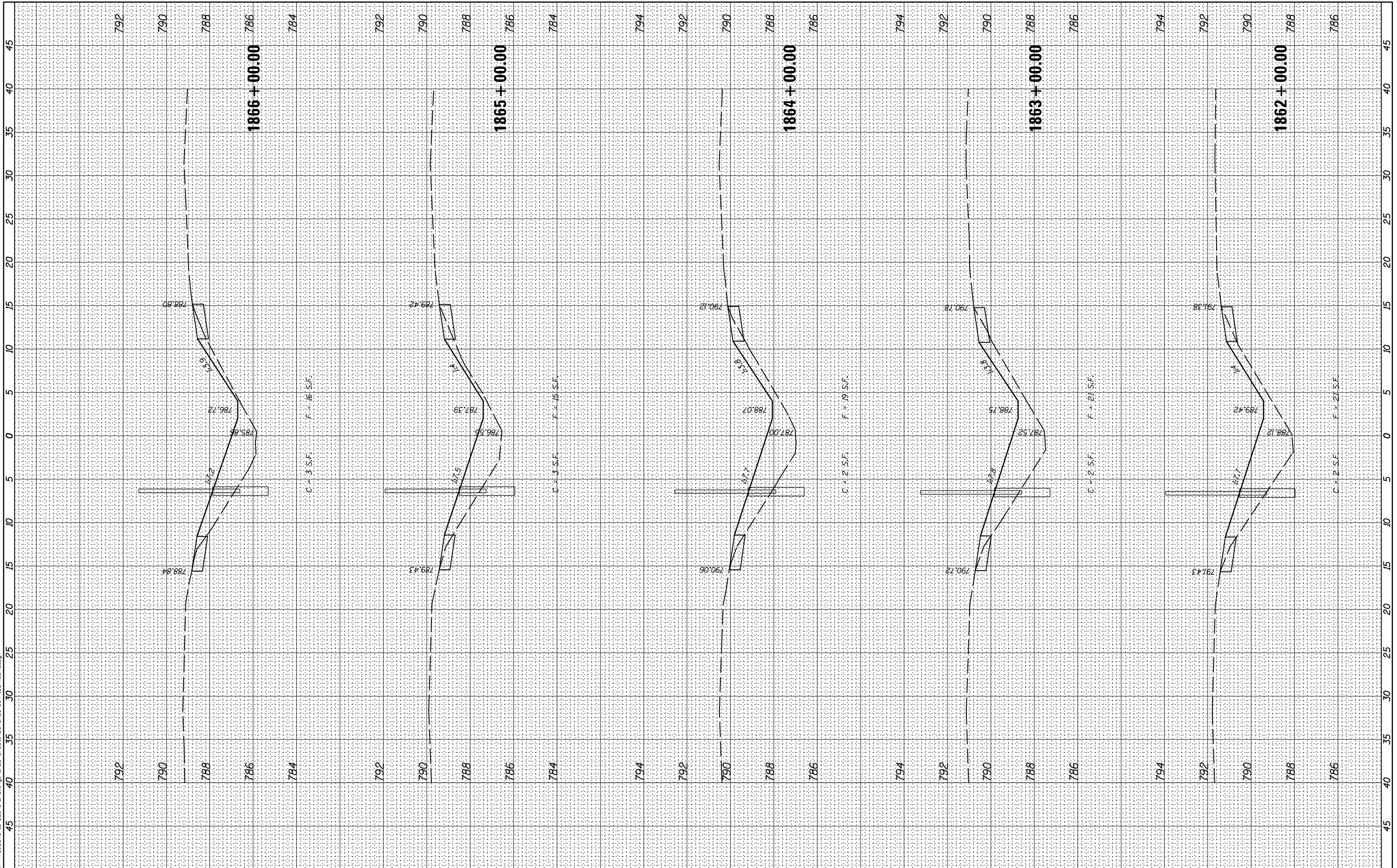
SCALE: SHEET 26 OF 66 SHEETS STA. 1857+01.44 TO STA. 1861+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	79
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

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

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

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McDonough-Whitlow, P.C.
Consulting Engineers & Land Surveyors
PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - RNH	REVISED -
PLOT DATE = 3/7/2013	CHECKED - TMM	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
F.A.I. 74

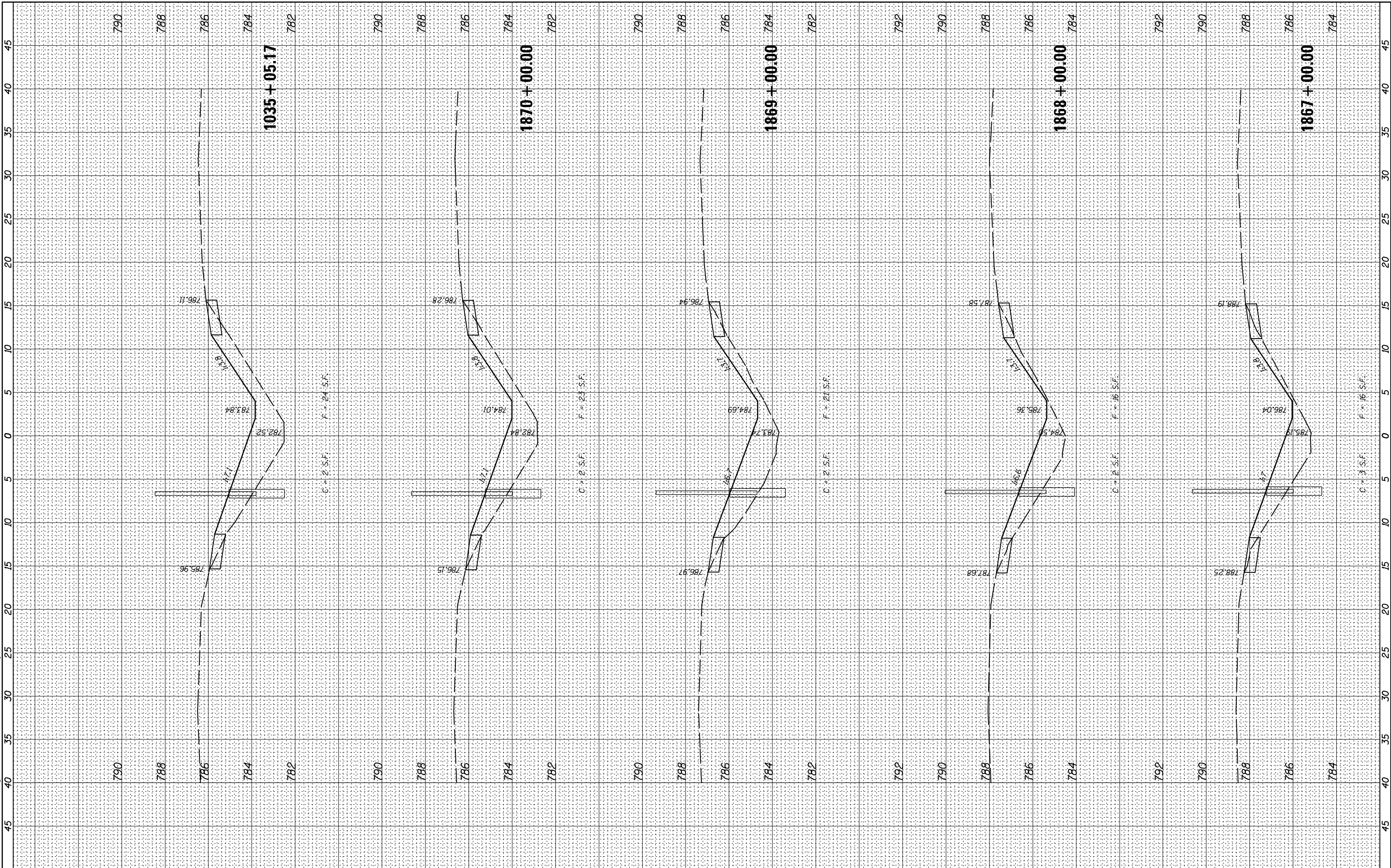
SCALE: SHEET 27 OF 66 SHEETS STA. 1862+00.00 TO STA. 1866+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	80
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
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ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
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McDonough-Whitlow, P.C.
Consulting Engineers & Land Surveyors
PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke
DESIGNED - JAH
DRAWN - RNH
CHECKED - TMM
DATE - 3/7/2013

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
F.A.I. 74**

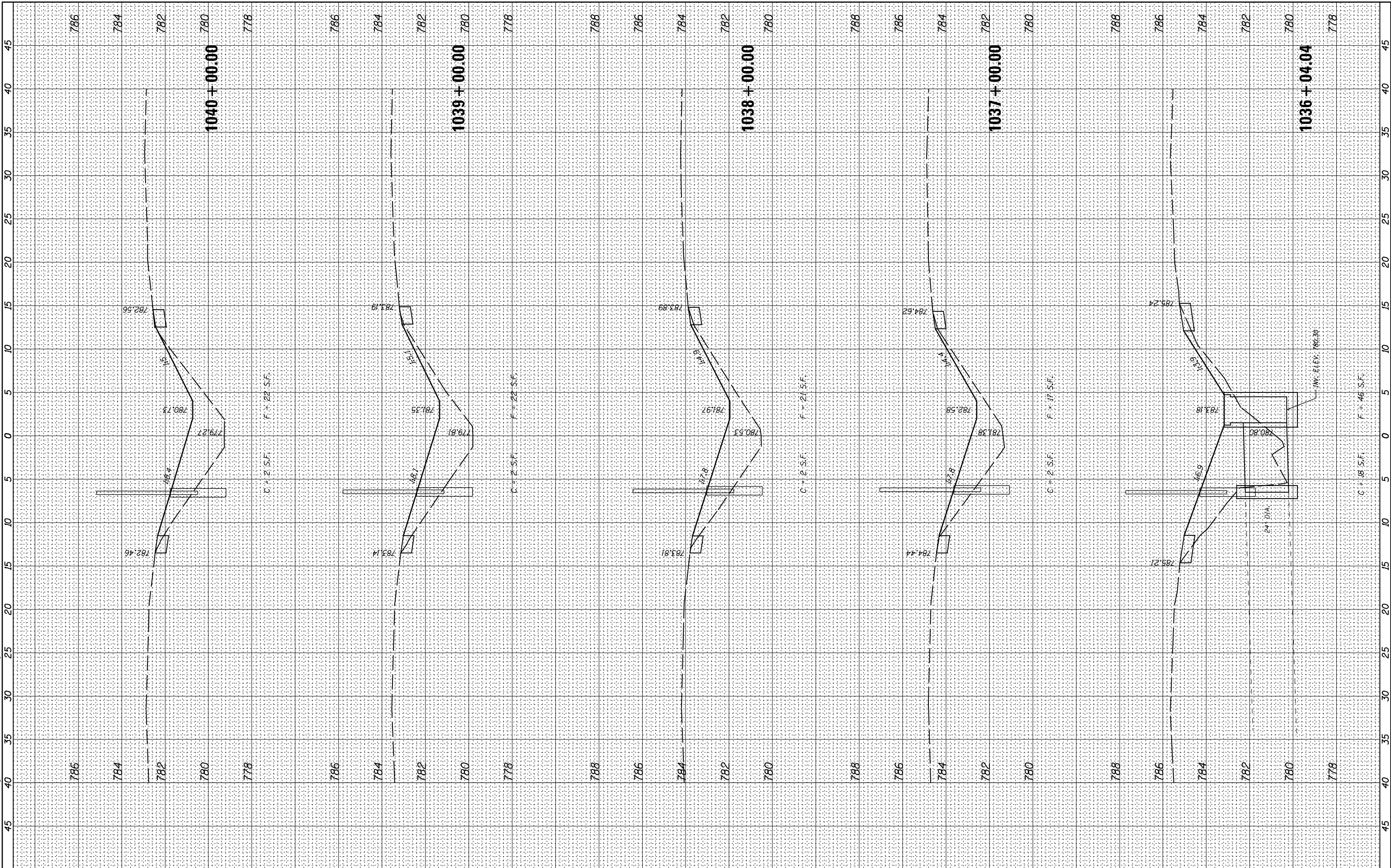
SCALE: SHEET 28 OF 66 SHEETS STA. 1867+00.00 TO STA. 1035+05.17

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	81
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

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

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

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C = 2 S.F. F = 22 S.F.

C = 2 S.F. F = 21 S.F.

C = 2 S.F. F = 17 S.F.

C = 18 S.F. F = 46 S.F.

McDonough-Whitlow, P.C.
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PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
PLOT SCALE = 10.0000' / 1"	DRAWN - RNH	REVISED -
PLOT DATE = 3/7/2013	CHECKED - TMM	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
F.A.I. 74**

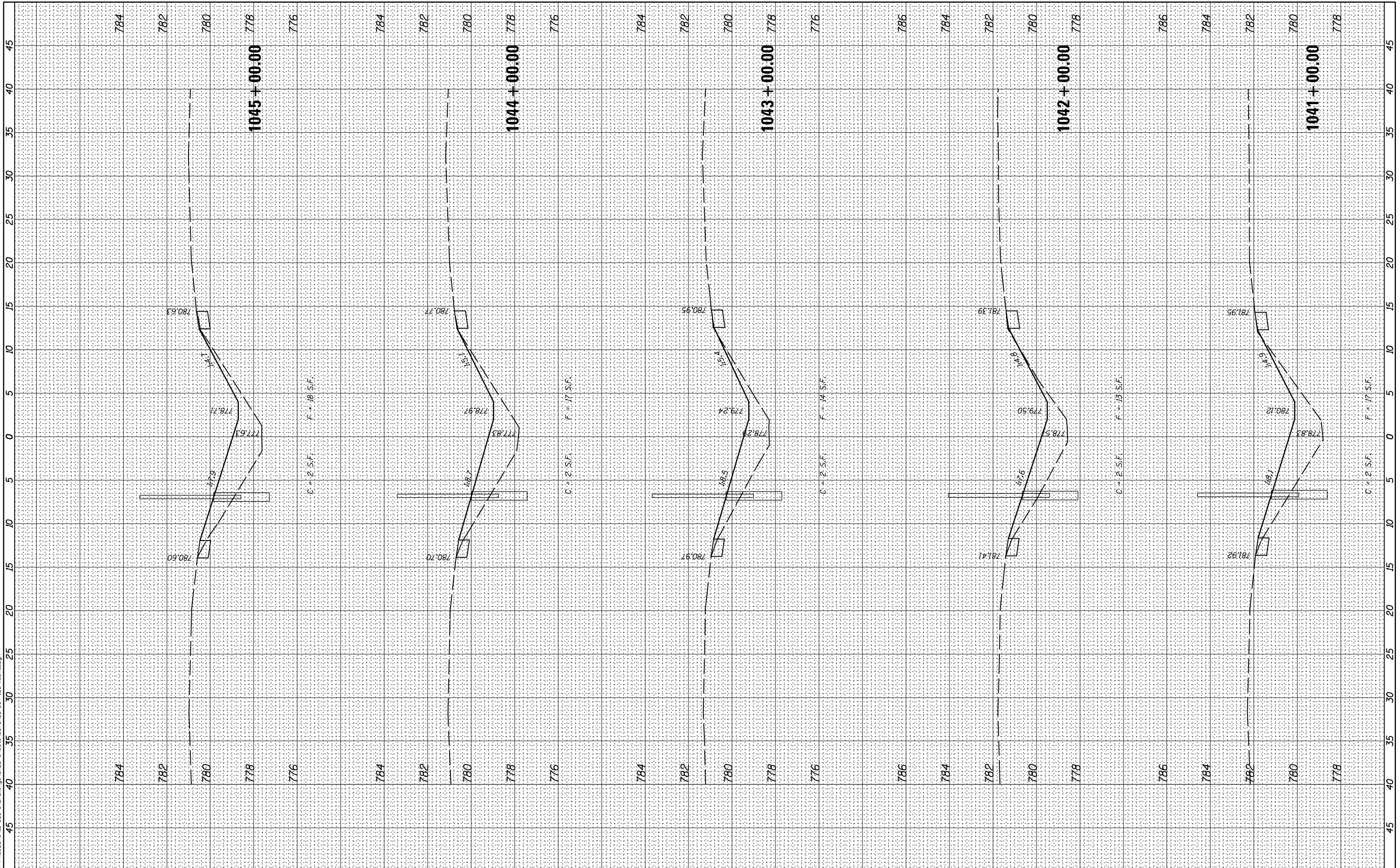
SCALE: SHEET 29 OF 66 SHEETS STA. 1036+04.04 TO STA. 1040+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	82
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

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

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
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McDonough-Whitlow, P.C.
Consulting Engineers & Land Surveyors
PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke
DESIGNED - JAH
DRAWN - RNH
CHECKED - TMM
DATE - 3/7/2013
PLOT SCALE = 10.0000' / in.

REVISOR
REVISION
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REVISION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
F.A.I. 74

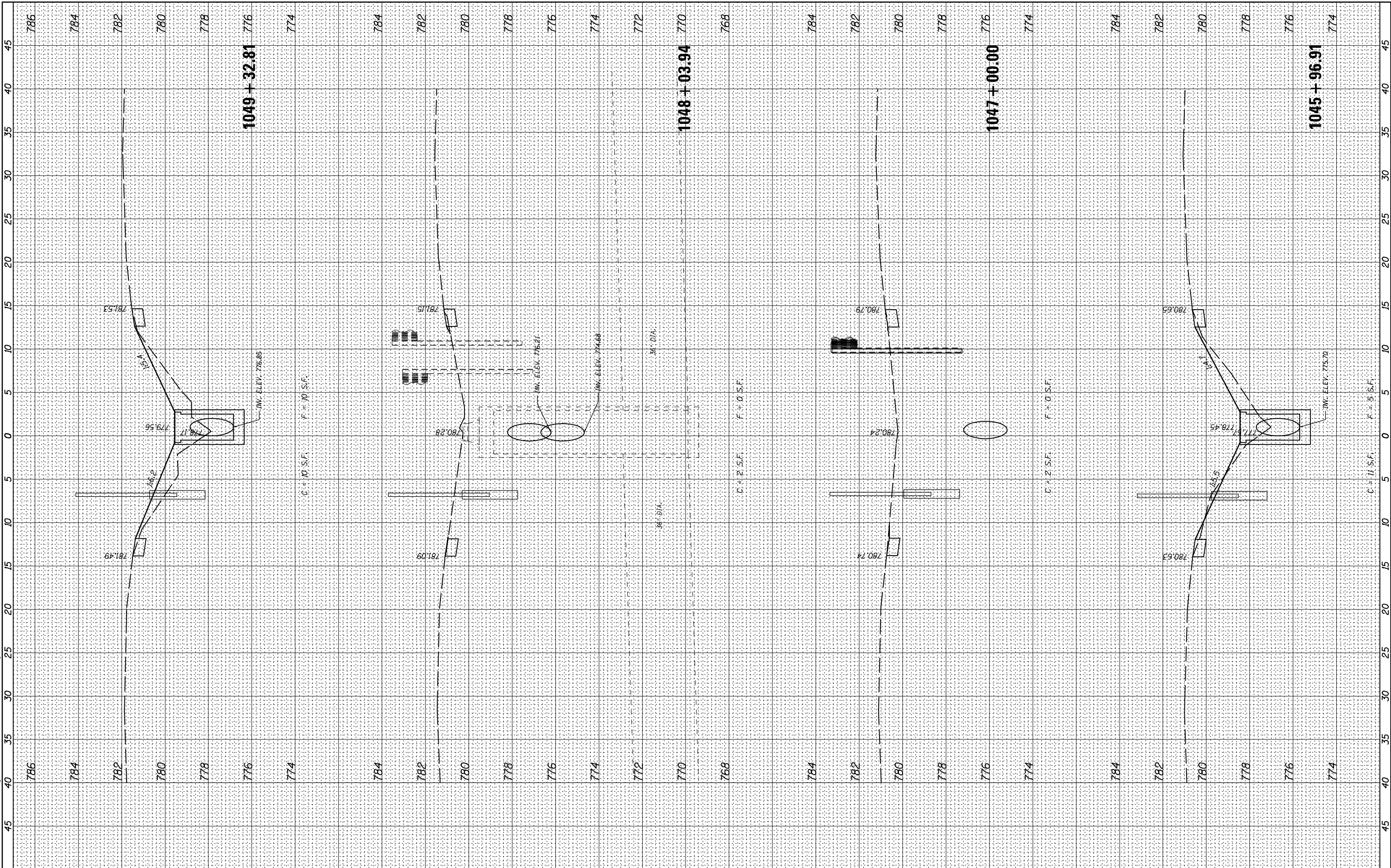
SCALE: SHEET 30 OF 66 SHEETS STA. 1041+00.00 TO STA. 1045+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	83
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
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ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
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McDonough-Whitlow, P.C.
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USER NAME = Richard Heinke
 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 3/7/2013

DESIGNED - JAH
 DRAWN - RNH
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 DATE -

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 F.A.I. 74**

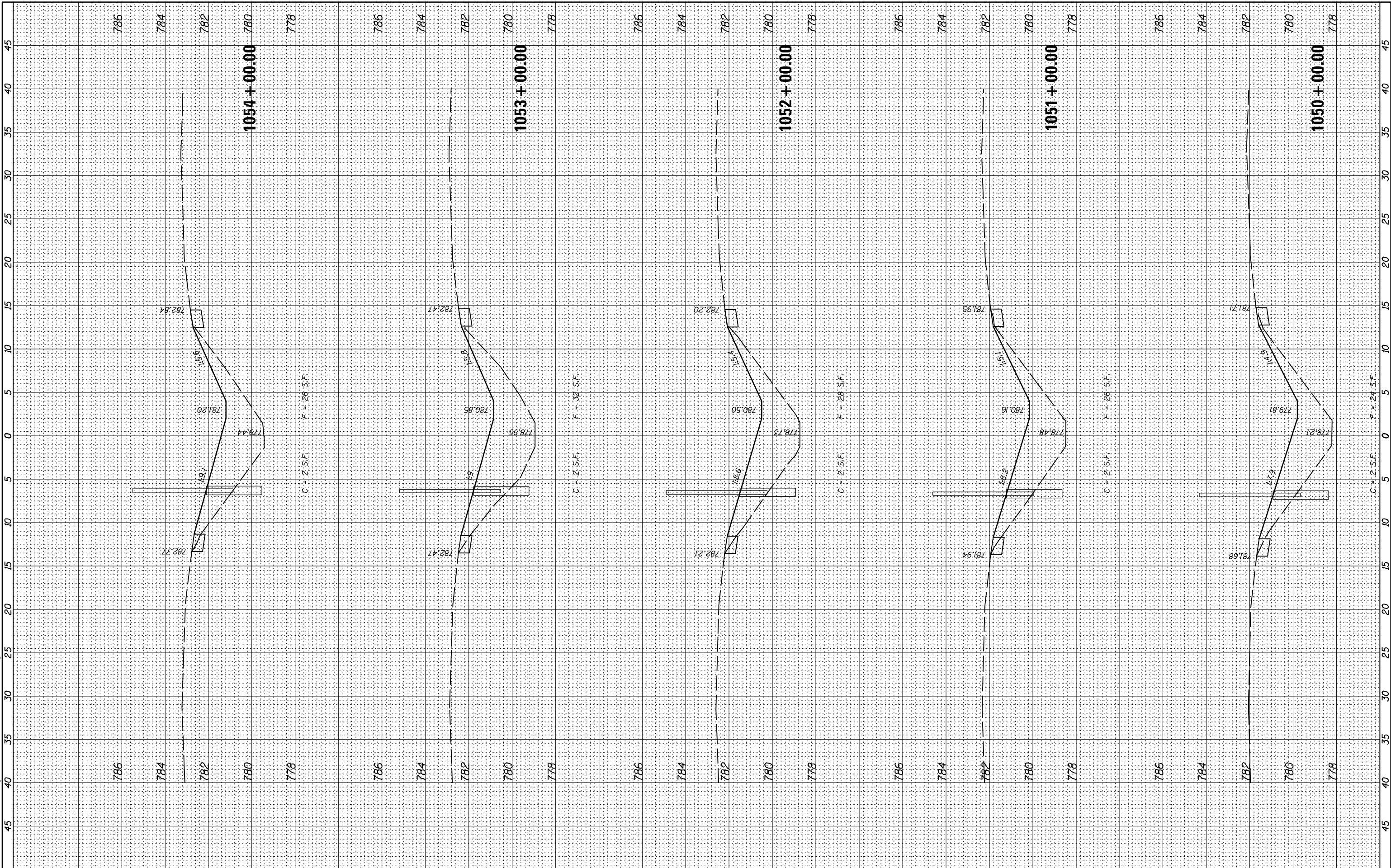
SCALE: SHEET 31 OF 66 SHEETS STA. 1045+96.91 TO STA. 1049+32.81

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	84
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

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

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

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McDonough-Whitlow, P.C.
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 PROFESSIONAL DESIGN NO. 184-002754

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PLOT SCALE = 10.0000' / 1"	DRAWN - RNH	REVISED -
PLOT DATE = 3/7/2013	CHECKED - TMM	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 F.A.I. 74**

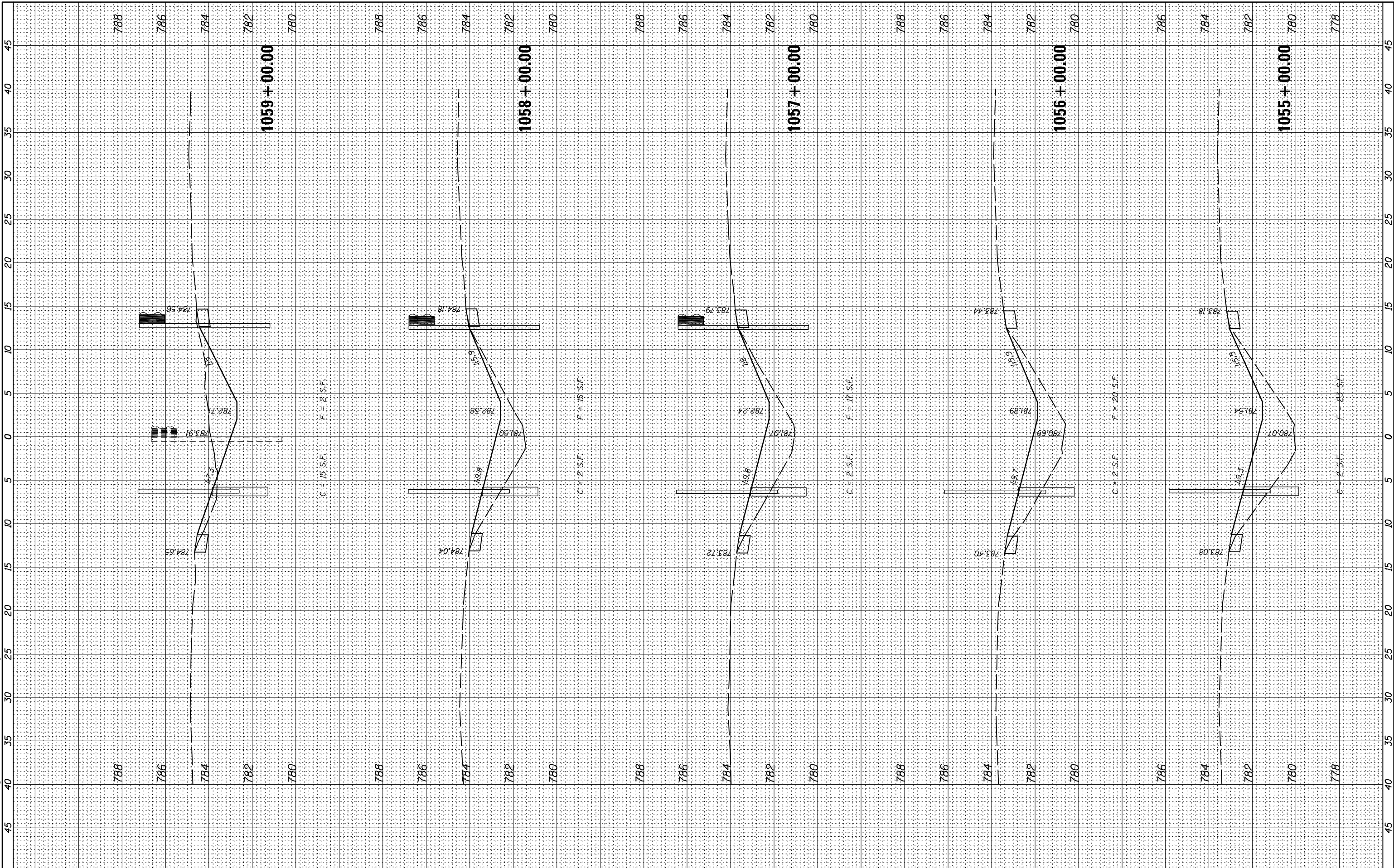
SCALE: SHEET 32 OF 66 SHEETS STA. 1050+00.00 TO STA. 1054+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	85
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

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

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

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McDonough-Whitlow, P.C.
Consulting Engineers & Land Surveyors
PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke
DESIGNED - JAH
DRAWN - RNH
CHECKED - TMM
DATE - 3/7/2013

DESIGNED - JAH
DRAWN - RNH
CHECKED - TMM
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
F.A.I. 74**

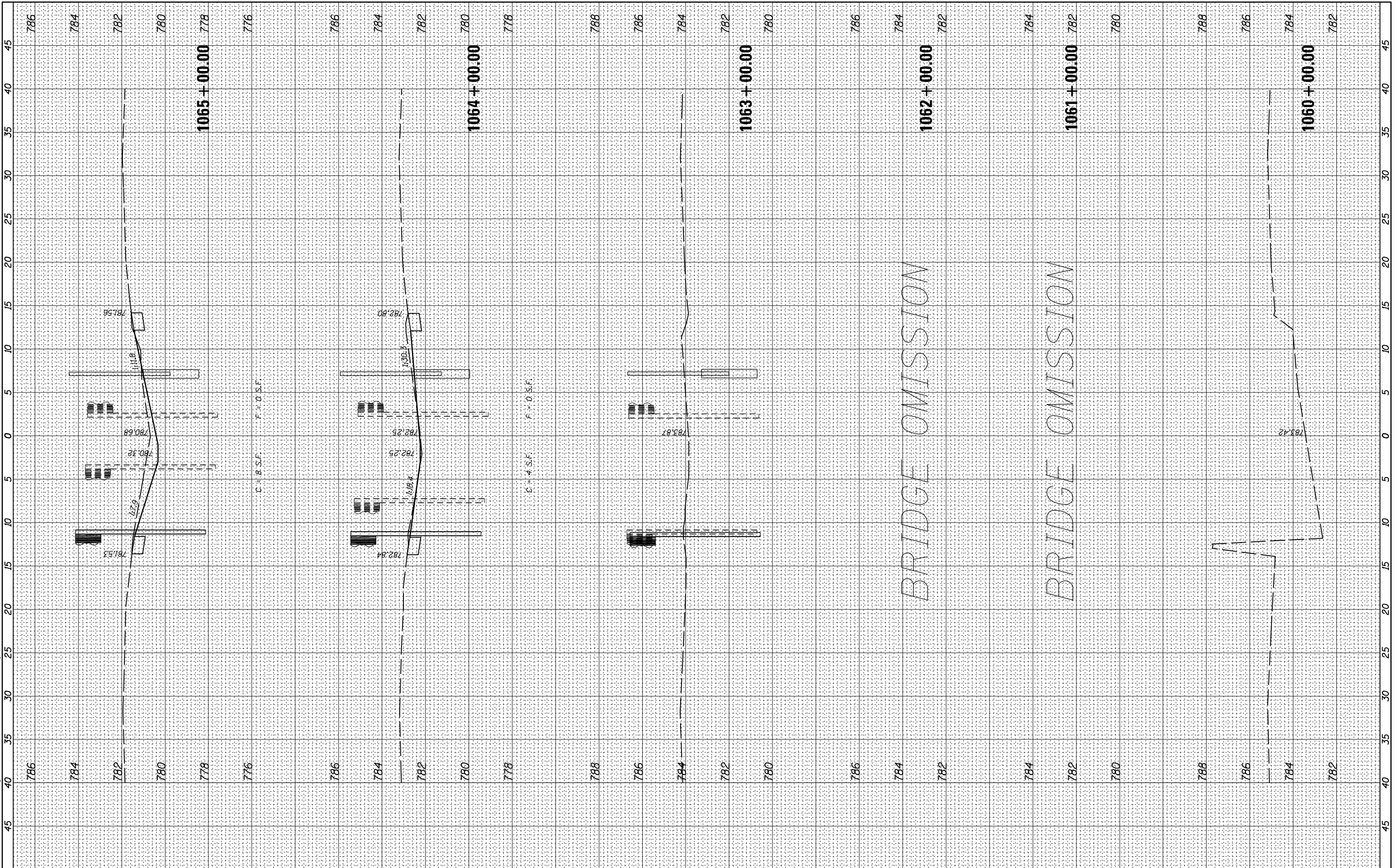
SCALE: SHEET 33 OF 66 SHEETS STA. 1055+00.00 TO STA. 1059+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	86
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

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McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
PLOT SCALE = 10.0000' / 1"	DRAWN - RNH	REVISED -
PLOT DATE = 3/7/2013	CHECKED - TMM	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
F.A.I. 74

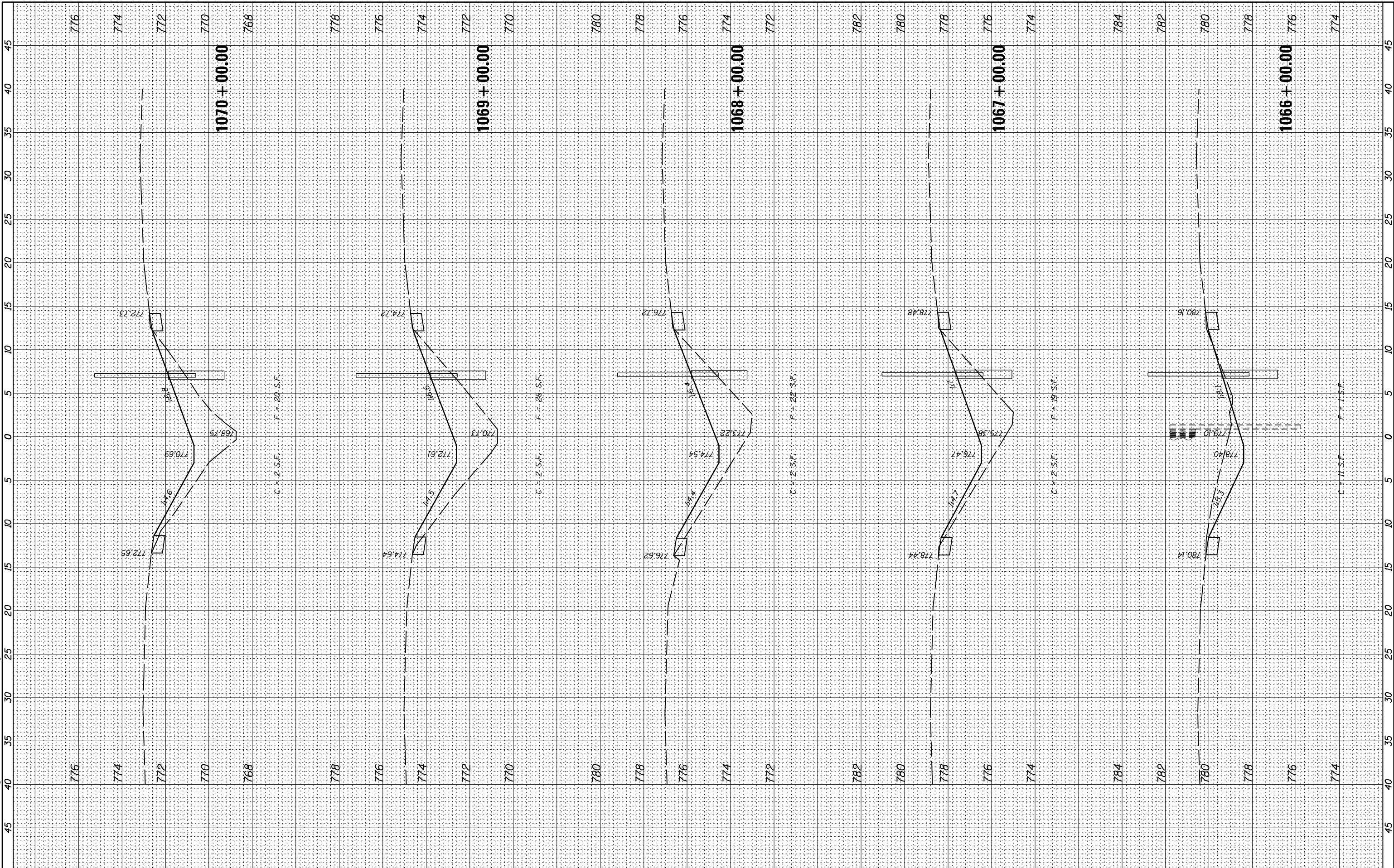
SCALE: SHEET 34 OF 66 SHEETS STA. 1060+00.00 TO STA. 1065+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	87
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

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

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

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McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke
 DRAWN - JAH
 CHECKED - TMM
 DATE - 3/7/2013

DESIGNED - JAH
 DRAWN - RNH
 CHECKED - TMM
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 F.A.I. 74**

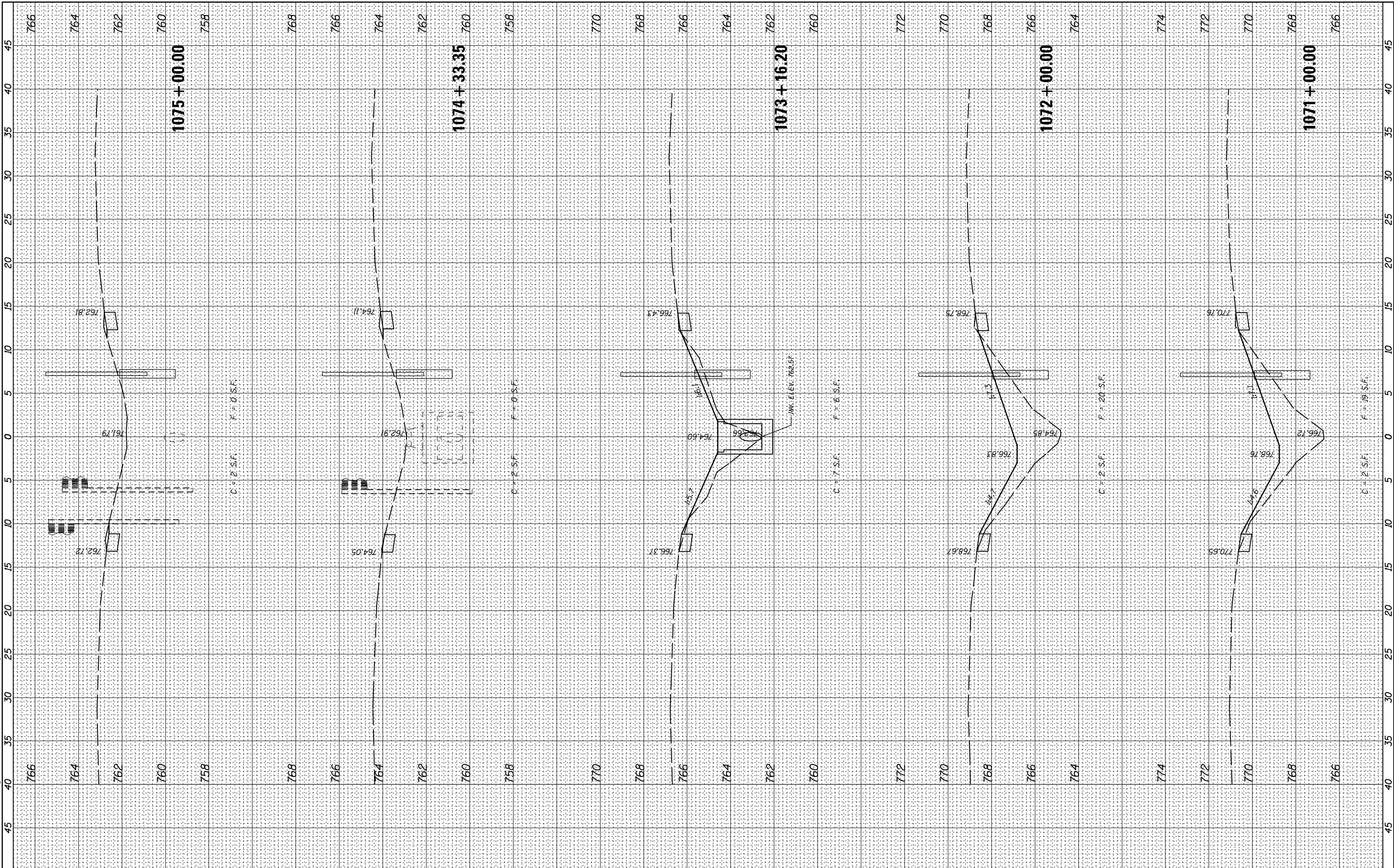
SCALE: SHEET 35 OF 66 SHEETS STA. 1066+00.00 TO STA. 1070+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	88
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

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

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

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McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - RNH	REVISED -
PLOT DATE = 3/7/2013	CHECKED - TMM	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 F.A.I. 74**

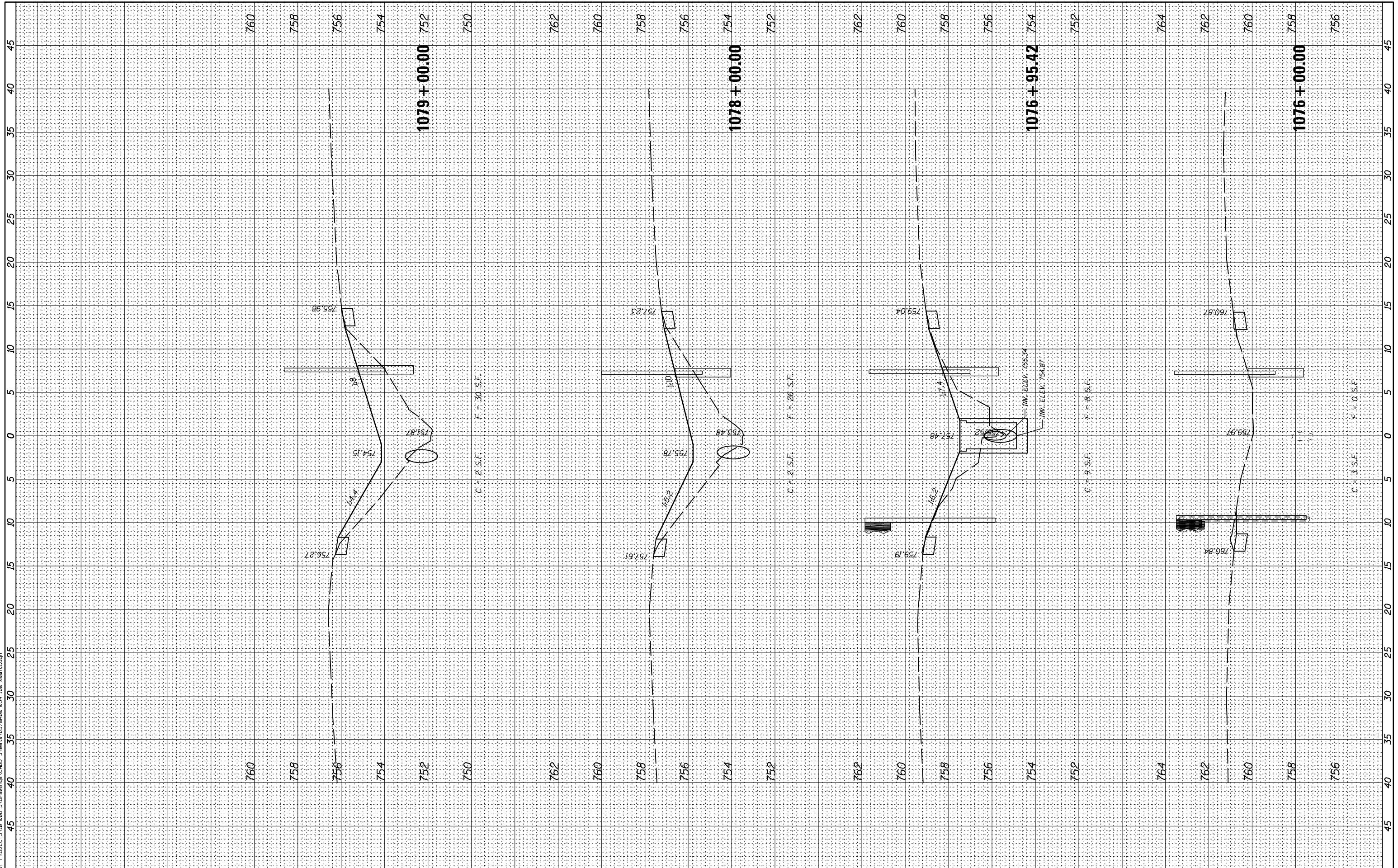
SCALE: SHEET 36 OF 66 SHEETS STA. 1071+00.00 TO STA. 1075+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	89
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

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McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
PLOT SCALE = 10.0000' / 1"	DRAWN - RNH	REVISED -
PLOT DATE = 3/7/2013	CHECKED - TMM	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 F.A.I. 74**

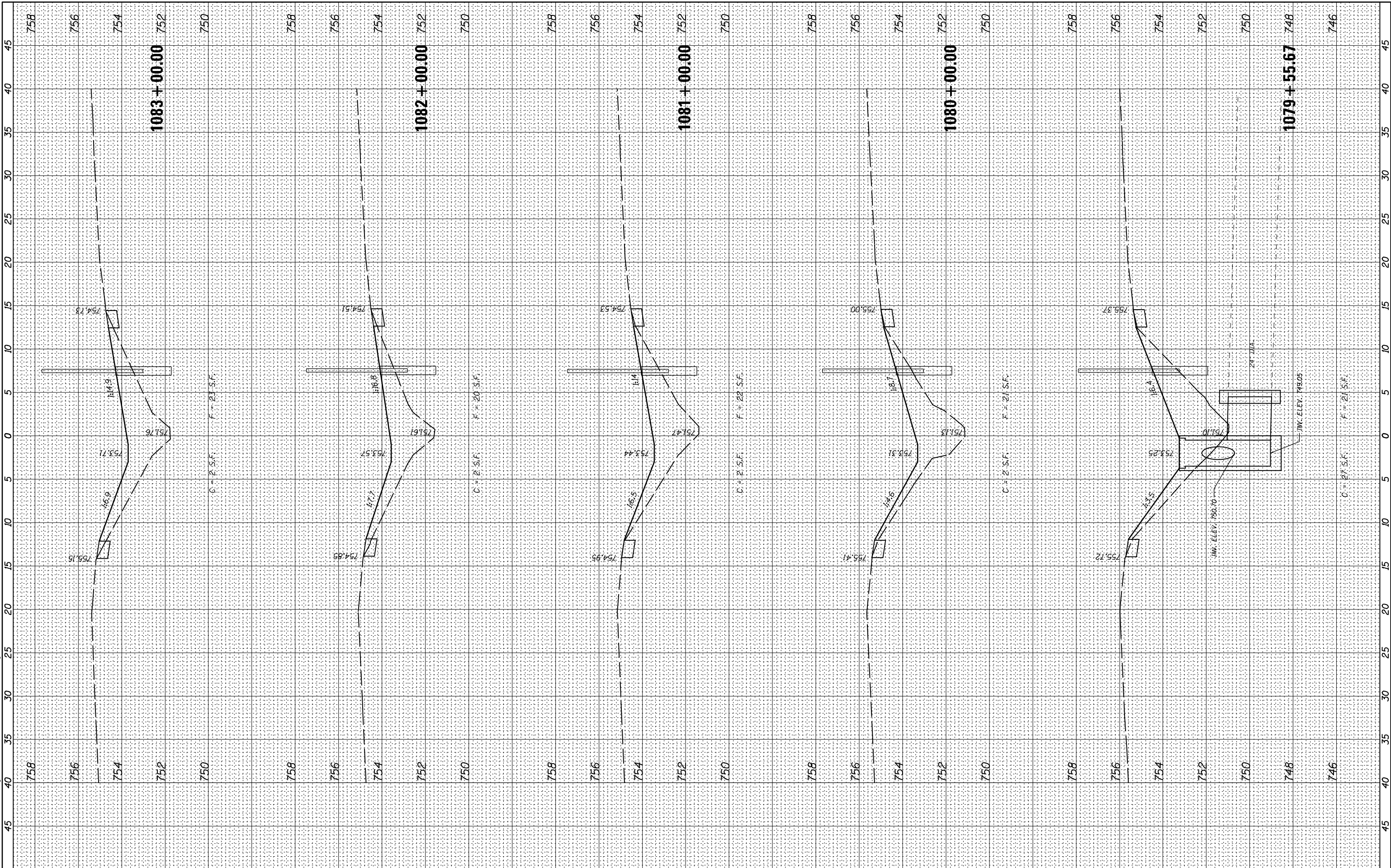
SCALE: SHEET 37 OF 66 SHEETS STA. 1076+00.00 TO STA. 1079+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	90
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

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

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

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McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke
 PLOT SCALE = 10.0000' / 1"
 PLOT DATE = 3/7/2013

DESIGNED - JAH
 DRAWN - RNH
 CHECKED - TMM
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 F.A.I. 74**

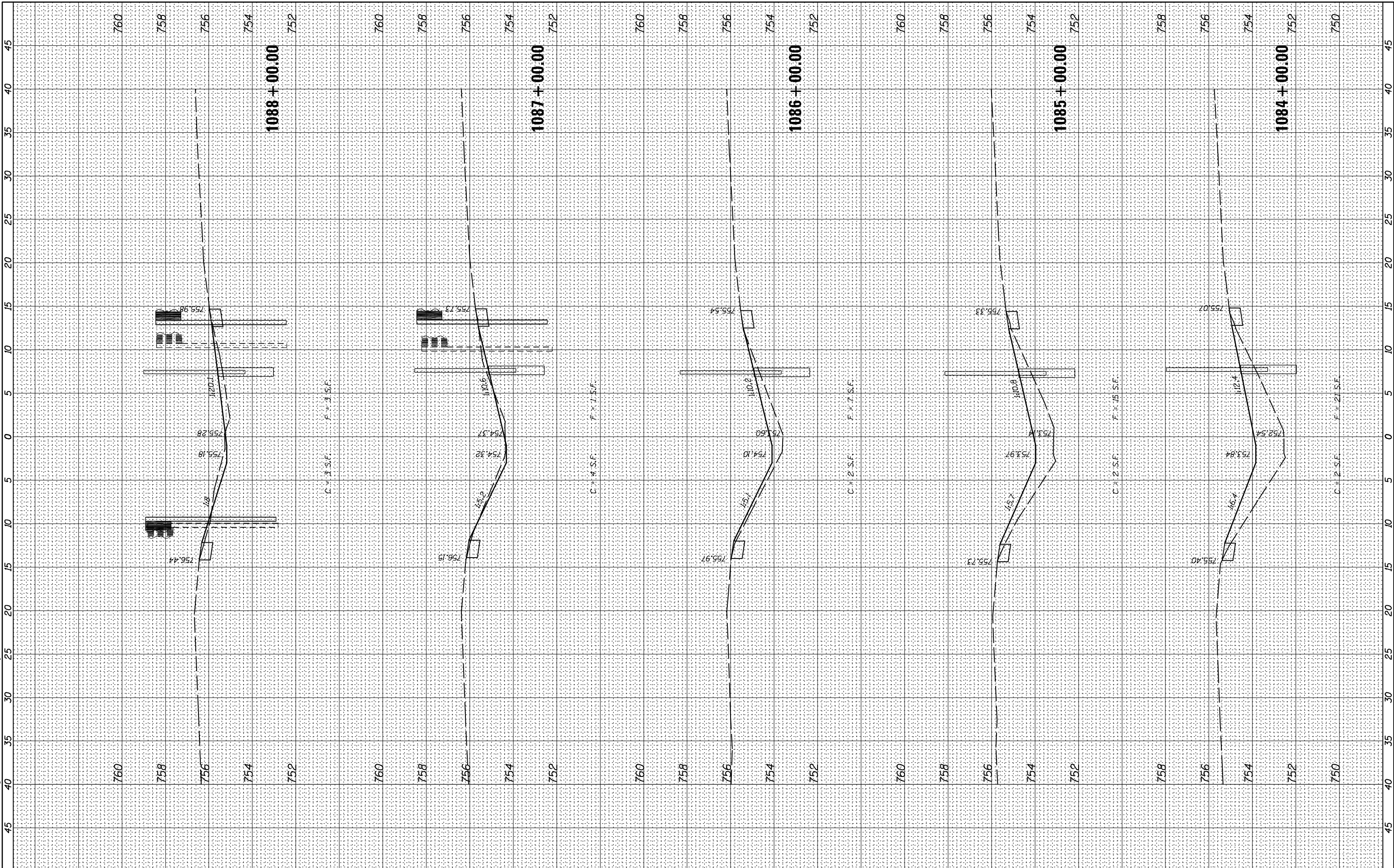
SCALE: SHEET 38 OF 66 SHEETS STA. 1079+55.67 TO STA. 1083+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	91
			CONTRACT NO. 70A00	
ILLINOIS FED. AID PROJECT				

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

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

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McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - RNH	REVISED -
PLOT DATE = 3/7/2013	CHECKED - TMM	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 F.A.I. 74**

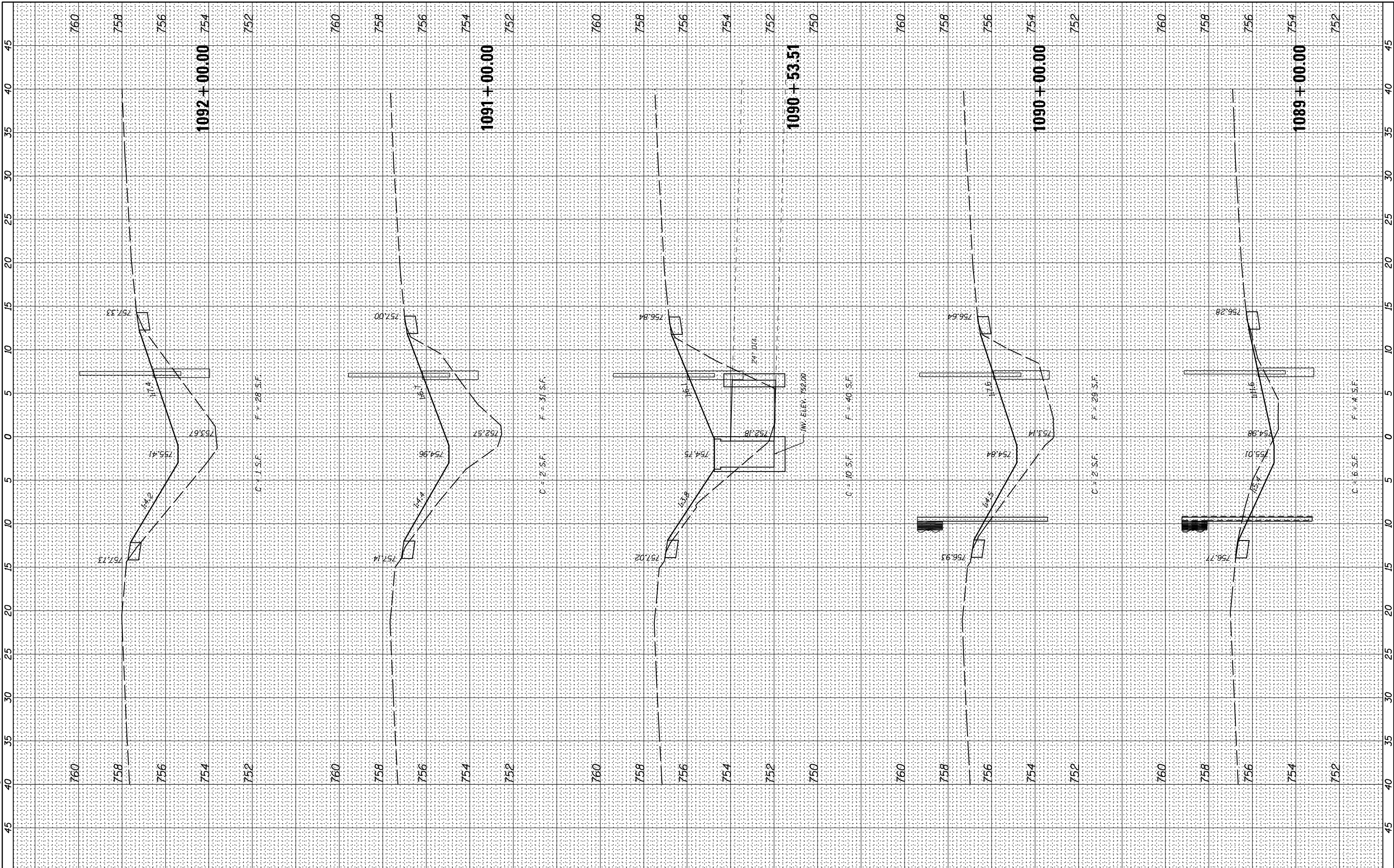
SCALE: SHEET 39 OF 66 SHEETS STA. 1084+00.00 TO STA. 1088+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	92
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

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

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

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McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke
 PLOT SCALE = 10.0000" / 1"
 PLOT DATE = 3/7/2013

DESIGNED - JAH
 DRAWN - RNH
 CHECKED - TMM
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 F.A.I. 74**

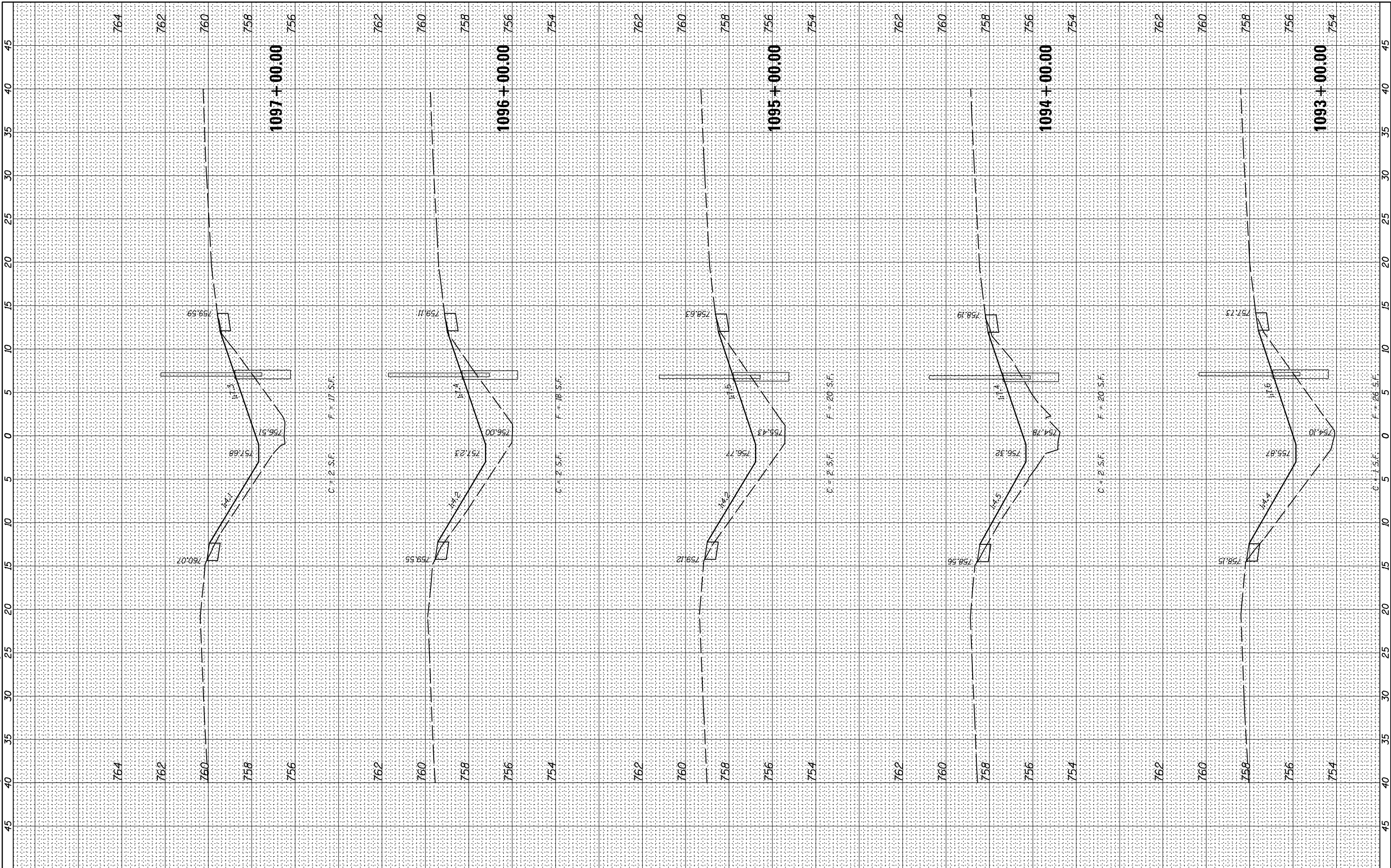
SCALE: SHEET 40 OF 66 SHEETS STA. 1089+00.00 TO STA. 1092+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	93
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

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

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

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McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke
 PLOT SCALE = 10.0000' / 1"
 PLOT DATE = 3/7/2013

DESIGNED - JAH
 DRAWN - RNH
 CHECKED - TMM
 DATE -

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

**CROSS SECTIONS
 F.A.I. 74**

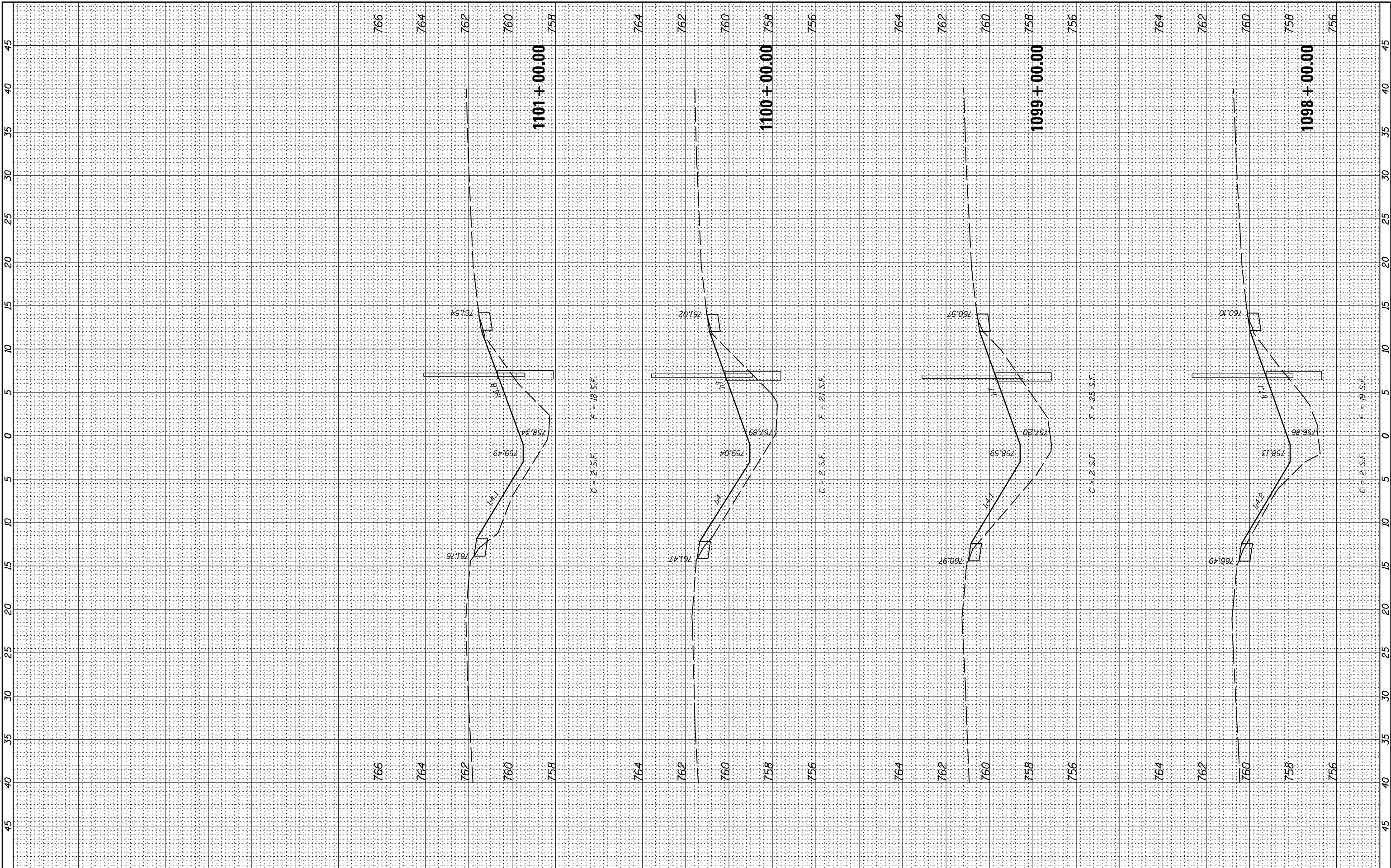
SCALE: SHEET 41 OF 66 SHEETS STA. 1093+00.00 TO STA. 1097+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	94
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

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

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

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McDonough-Whitlow, P.C.
Consulting Engineers & Land Surveyors
PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
PLOT SCALE = 10.0000" / 1"	DRAWN - RNH	REVISED -
PLOT DATE = 3/7/2013	CHECKED - TMM	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
F.A.I. 74**

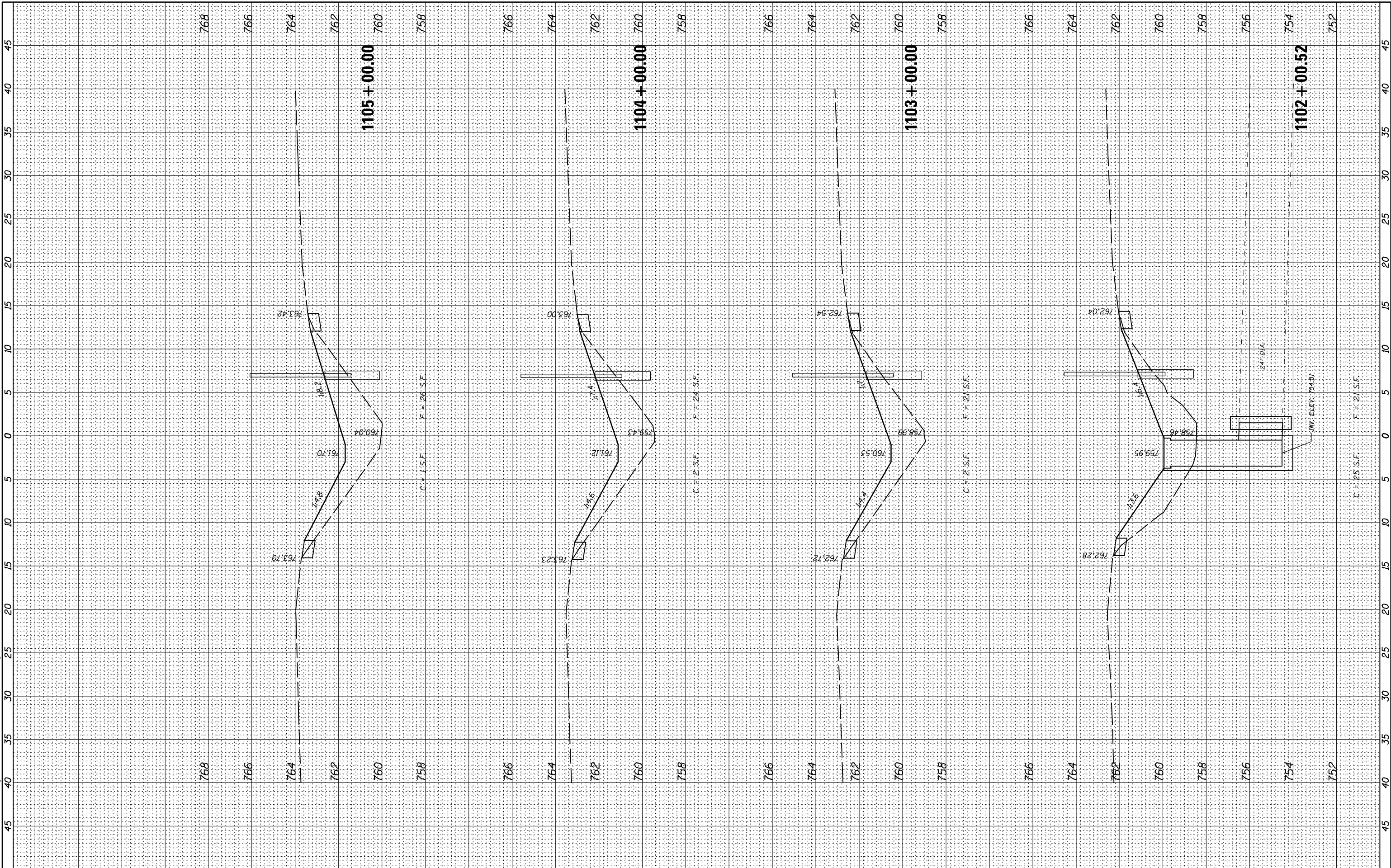
SCALE: SHEET 42 OF 66 SHEETS STA. 1098+00.00 TO STA. 1101+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	95
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

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McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
	DRAWN - RNH	REVISED -
PLOT SCALE = 10.0000' / 1"	CHECKED - TMM	REVISED -
PLOT DATE = 3/7/2013	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 F.A.I. 74**

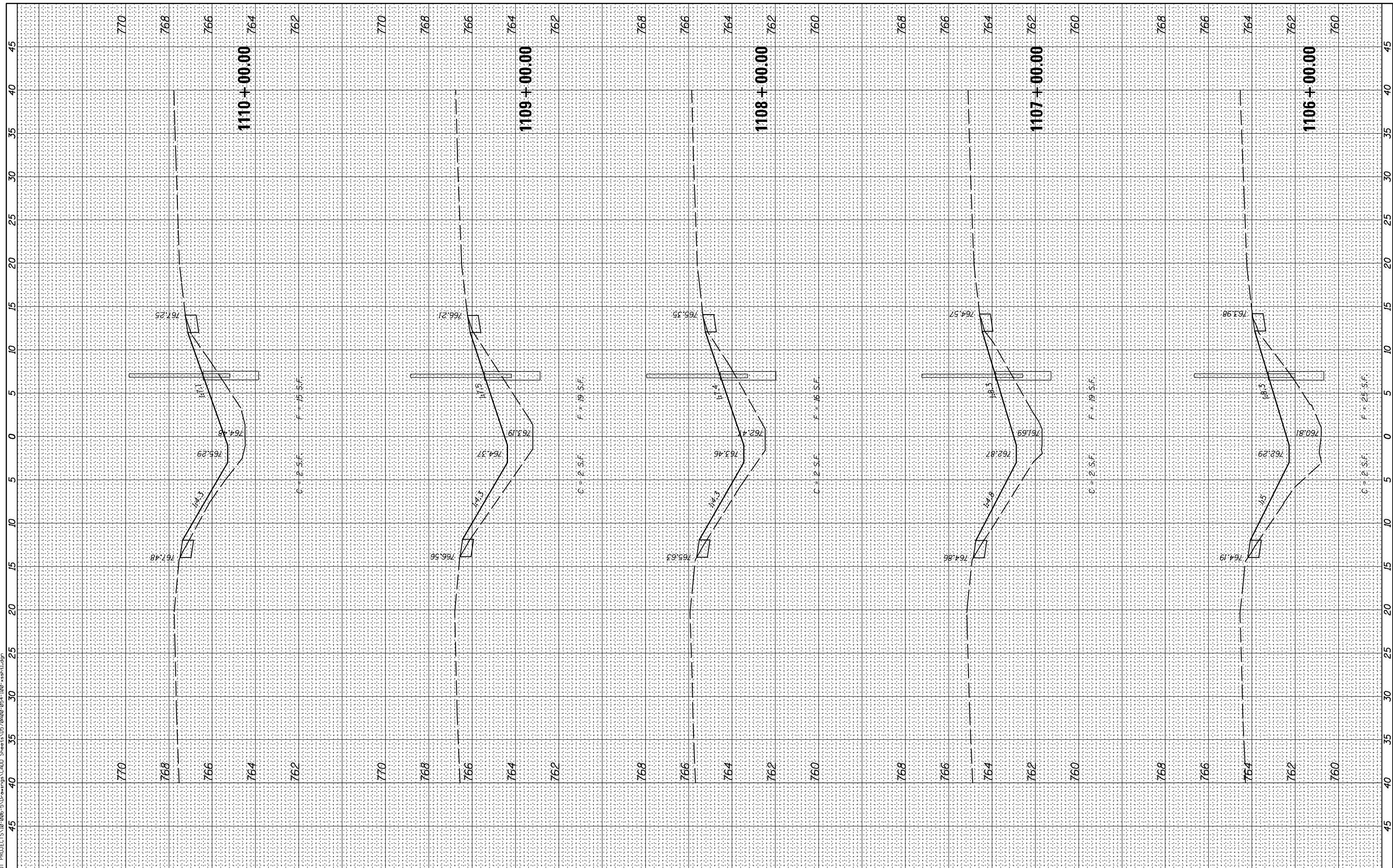
SCALE: SHEET 43 OF 66 SHEETS STA. 1102+00.52 TO STA. 1105+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	96
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

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

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

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McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
PLOT SCALE = 10.0000' / 1"	DRAWN - RNH	REVISED -
PLOT DATE = 3/7/2013	CHECKED - TMM	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

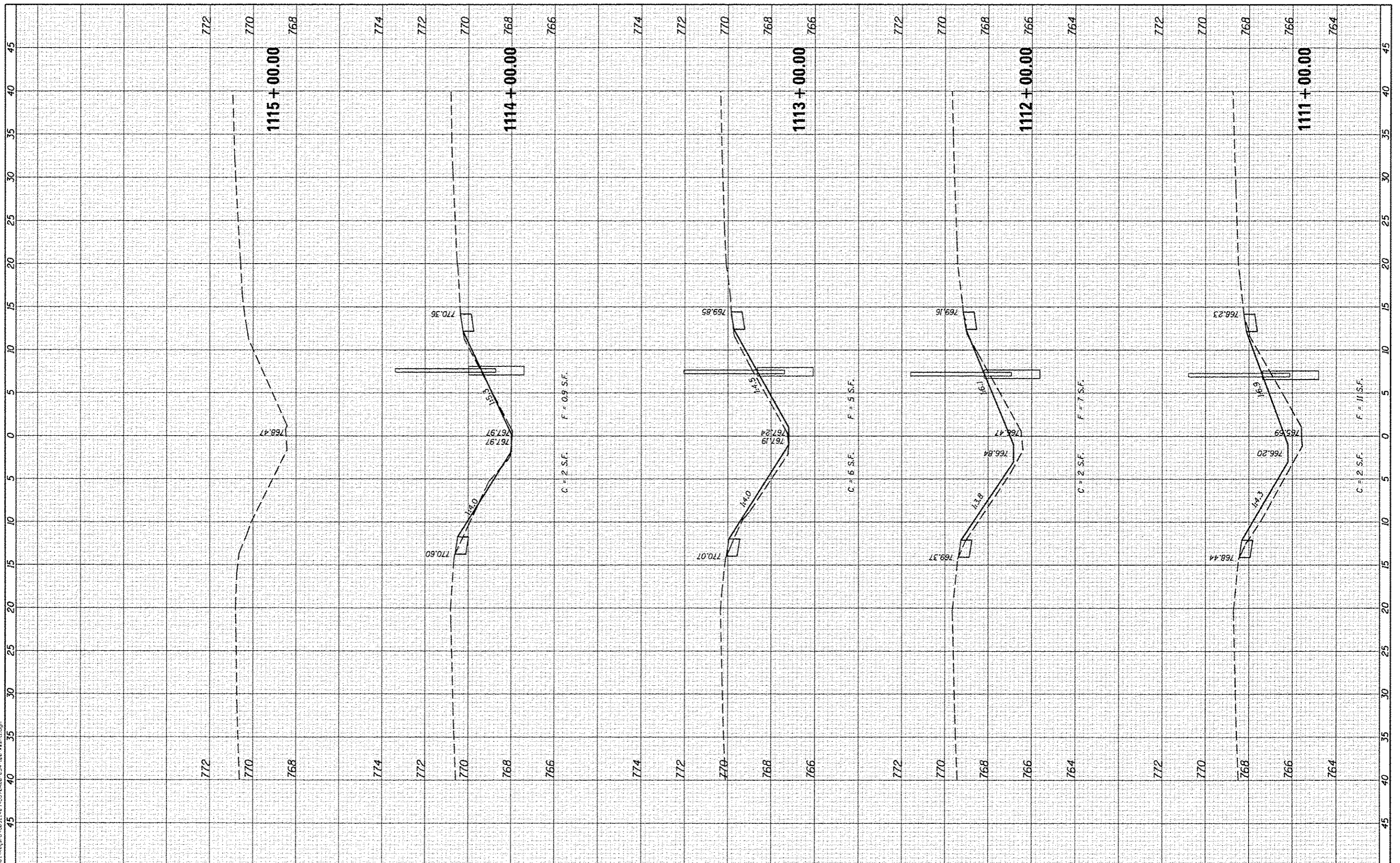
**CROSS SECTIONS
 F.A.I. 74**

SCALE: SHEET 44 OF 66 SHEETS STA. 1106+00.00 TO STA. 1110+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	97
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

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

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



McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 PROFESSIONAL DESIGN NO. 184-001704

USER NAME = kayarb
 PLOT SCALE = 1/8" = 1' / in.
 PLOT DATE = 4/8/2013

DESIGNED - JAH
 DRAWN - RNH
 CHECKED - TMM
 DATE -

REVISED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

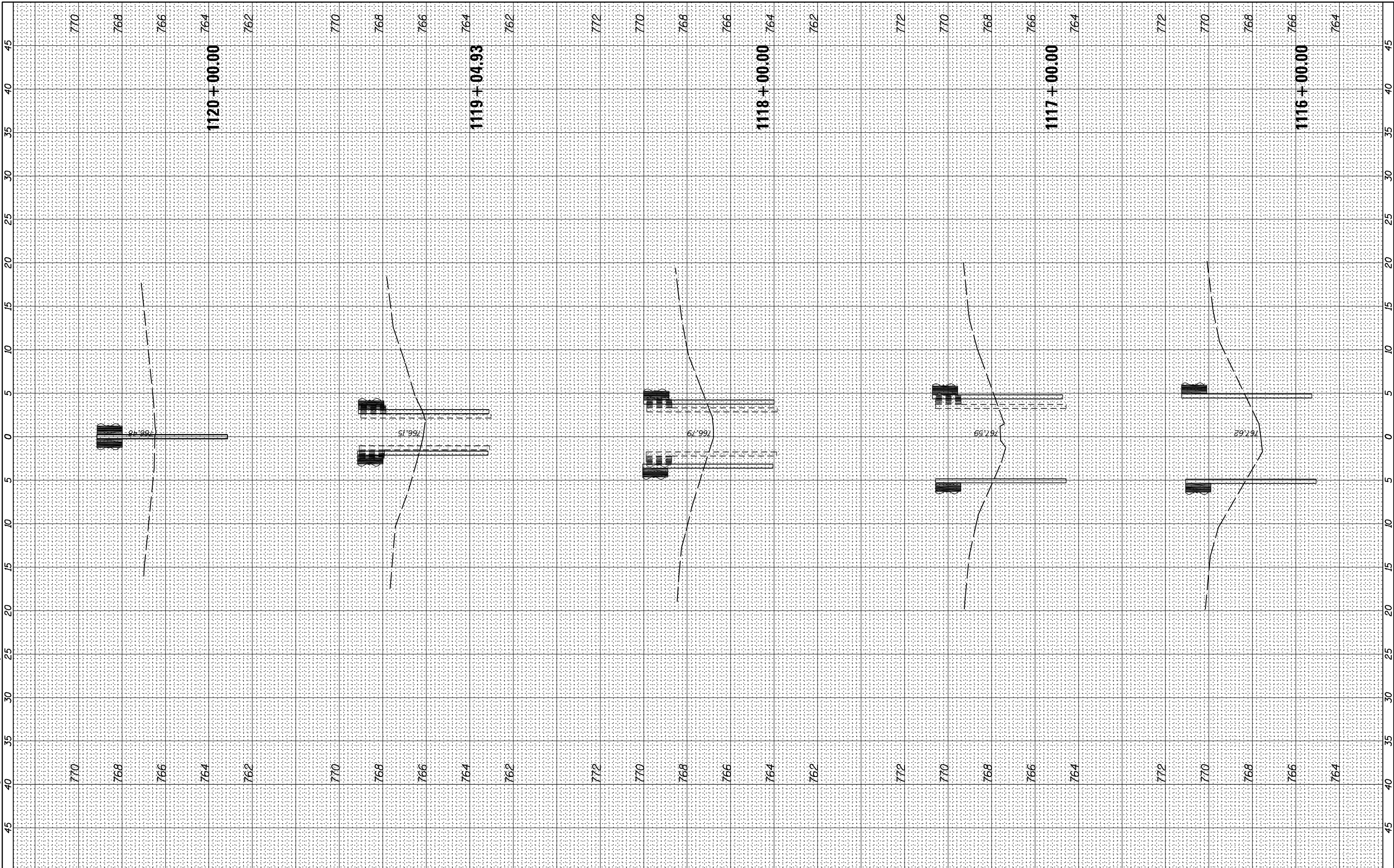
CROSS SECTIONS
 F.A.I. 74
 SCALE: SHEET 45 OF 66 SHEETS STA. 1111+00.00 TO STA. 1115+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	98
			CONTRACT NO. 70A00	
ILLINOIS FED. AID PROJECT				

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

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
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McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 PROFESSIONAL DESIGN NO. 184-002754

USER NAME = Richard Heinke
 PLOT SCALE = 10.0000' / 1"
 PLOT DATE = 3/7/2013

DESIGNED - JAH
 DRAWN - RNH
 CHECKED - TMM
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 F.A.I. 74**

SCALE: SHEET 46 OF 66 SHEETS STA. 1116+00.00 TO STA. 1120+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	99
CONTRACT NO. 70A00			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

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USER NAME = Richard Heinke	DESIGNED - JAH	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - RNH	REVISED -
PLOT DATE = 3/7/2013	CHECKED - TMM	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
F.A.I. 74**

SCALE: SHEET 47 OF 66 SHEETS STA. 1121+00.00 TO STA. 1121+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MEDIAN CABLE 2013-1	CHAMPAIGN	119	100
ILLINOIS FED. AID PROJECT			CONTRACT NO. 70A00	