

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	1
		ILLINOIS	CONTRACT NO. 89643	

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STATE OF ILLINOIS 1-17-14 LETTING ITEM 124
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PROPOSED
HIGHWAY PLANS

FAU ROUTE 6576 (COUNTY HIGHWAY R51)
SECTION 11-00009-02-BR
PROJECT BROS-0143(056)
MAJOR BRIDGE PROGRAM
PEORIA COUNTY
C-94-065-13



HIGHWAY STANDARD DETAIL PLANS

000001-06	602306-03	666001-01
001001-02	602401-03	667101-02
280001-07	602601-03	701001-02
406201-01	602701-02	701006-05
420001-07	604001-03	701201-04
420401-10	604006-04	701206-03
420701-02	604051-03	701501-06
424001-07	606001-05	701901-03
424026-01	606006-02	704001-07
482001-02	630001-10	780001-04
515001-03	630301-06	BLR 10-6
542301-03	635006-03	BLR 22-7
602301-04	635011-02	BLR 23-4
		BLR 24-2

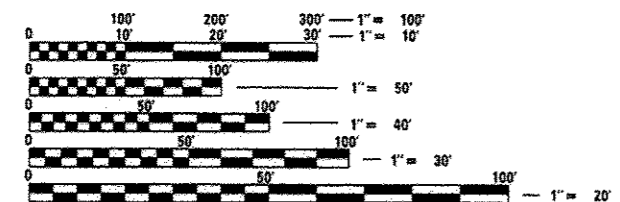
AVERAGE DAILY TRAFFIC (ADT)

POTTSTOWN ROAD (TR 173): 650 VPD
POTTSTOWN ROAD (CH R51): 2050 VPD
KICKAPOO CREEK ROAD (CH R51): 1550 VPD

DESIGN SPEED: 30 MPH
URBAN CONDITION

FUNCTIONAL CLASSIFICATION

COLLECTOR - COUNTY HIGHWAY R51
LOCAL ROAD (RURAL) - TR 173

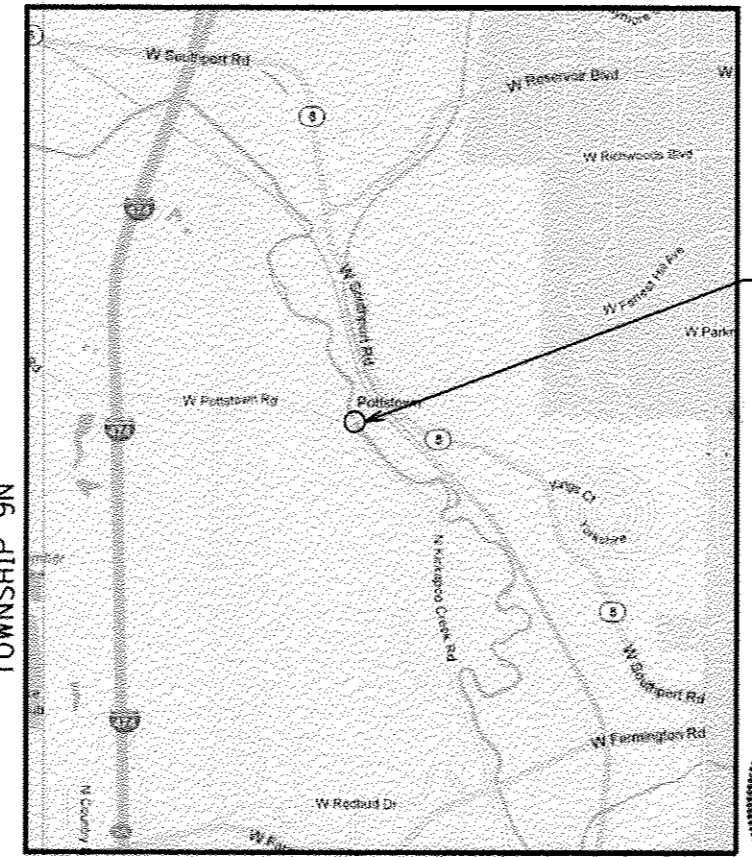


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES, IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: CHRIS WHITFIELD
PROJECT MANAGER: ERIC HANSEN
PEORIA COUNTY ENGINEER: AMY BENECKE MCLAREN, P.E.
CONTRACT NO. 89643

4TH P.M.



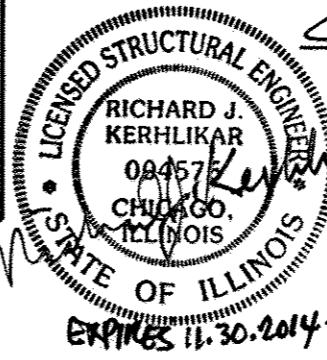
KICKAPOO TOWNSHIP
LOCATION MAP

KICKAPOO CREEK ROAD (CH R51) GROSS/NET LENGTH : 557 L.F. (0.11 MILES)
POTTSTOWN ROAD (CH R51) GROSS LENGTH : 518 L.F. (0.10 MILES)
POTTSTOWN ROAD (CH R51) NET LENGTH : 195 L.F. (0.04 MILES)
STRUCTURE LENGTH : 235 L.F.

TOTAL GROSS LENGTH : 1075 L.F. (0.20 MILES)
TOTAL NET LENGTH : 752 L.F. (0.14 MILES)

RANGE 7E

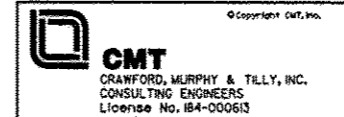
PROJECT LOCATION
EXISTING SN 072-3001
PROPOSED SN 072-3149
COUNTY HIGHWAY R51
OVER KICKAPOO CREEK



Eric J. Hansen
Eric J. Hansen
Exp. 11/30/15

Richard J. Kerhlikar
10.14.2013

AGENCY RESPONSIBLE FOR LETTING	
APPROVED	October 15 20 13 <i>Amy Benecke McLaren</i> LOCAL AGENCY, PEORIA COUNTY ENGINEER
PASSED	10-23 20 13 <i>Tom Radtke</i> DISTRICT ENGINEER OF LOCAL ROADS & STREETS
RELEASED FOR BID BASED ON LIMITED REVIEW	10-25 20 13 <i>[Signature]</i> DEPUTY DIRECTOR OF HIGHWAYS, REGION 3 ENGINEER



PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

GENERAL NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATION. THE J.U.L.I.E. NUMBER IS 1-800-892-0123. (811 DIRECT NUMBER)
- THE LOCATION OF BURIED AND ABOVE GROUND UTILITIES SHOWN IS FOR THE CONTRACTOR'S INFORMATION ONLY AND IS NOT TO BE REFERENCED FOR CONSTRUCTION PURPOSES. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE OWNER, ENGINEER, CONTRACTOR OR SUBCONTRACTOR TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE HIS CONSTRUCTION ACTIVITIES WITH THE VARIOUS UTILITY OWNERS. ALL POTENTIAL CONFLICTS SHALL BE INVESTIGATED AND REMEDIAL ACTION TAKEN PRIOR TO INTERRUPTION OF THE CONTRACTOR'S PROGRESS.
- ALL UTILITY FACILITIES THAT REQUIRE RELOCATION WITHIN THE R.O.W. SHALL BE COMPLETED BY THE UTILITY COMPANY UNLESS OTHERWISE SHOWN ON THE PLANS.
- ALL STATION AND OFFSET REFERENCES ARE TO THE ROADWAY CENTERLINE UNLESS OTHERWISE NOTED. THE STATE PLANE COORDINATE SYSTEM HAS BEEN USED FOR THE HORIZONTAL CONTROL.
- ALL ELEVATIONS SHOWN ON THE PLANS ARE BASED ON U.S.G.S. MEAN SEA LEVEL DATUM.
- ANY REFERENCE WITHIN THESE PLANS TO A STANDARD SHALL BE INTERPRETED TO MEAN THE EDITION INDICATED BY THE SUB-NUMBER LISTED ON THE COVER SHEET OR THE COPY INCLUDED IN THESE PLANS.
- PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING STRUCTURE HAVE BEEN TAKEN FROM FIELD SURVEYS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION.
- THE THICKNESS OF HOT MIX ASPHALT MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HOT MIX ASPHALT MIXTURE IS PLACED.
- WHEN CONSTRUCTING HMA BASE COURSE, THE CONTRACTOR SHALL TRIM THE SURFACE AND BASE TO A FIRM AND SMOOTH PLANE BEFORE CONSTRUCTING THE HMA BASE COURSE. THE COST OF THIS REQUIREMENT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEM BEING CONSTRUCTED.
- WHERE PROPOSED CONSTRUCTION ABUTS EXISTING APPURTENANCES, A SAW CUT SHALL BE MADE TO ACHIEVE A NEAT BUTT JOINT. SAW CUT SHALL BE CONSIDERED INCLUDED IN ITEM BEING CONSTRUCTED.
- RECLAIMED ASPHALT PAVEMENT (RAP) WILL NOT BE ALLOWED FOR USE AS AGGREGATE IN AGGREGATE SHOULDERS.
- FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS:

ALL HOT MIX ASPHALT	116 LBS/SQ.YD.-IN
ALL AGGREGATE	2.05 TONS/CU.YD.
BITUMINOUS MATERIALS:	
ON NEW HMA	0.05 GAL./SQ.YD.
ON AGGREGATE SURFACE	0.40 GAL./SQ.YD.
AGGREGATE (PRIME COAT)	0.0015 TONS/SQ.YD.
- SEEDING SHALL BE DONE ON ALL AREAS THAT ARE DISTURBED BY CONSTRUCTION OPERATIONS. SEEDING SHALL BE PAID FOR ONLY WITHIN THE PROPOSED RIGHT-OF-WAY OR EASEMENT LIMITS AS SEEDING, CLASS 2A. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE CONSTRUCTION LIMITS AS SHOWN ON THESE PLANS SHALL BE SEEDDED, AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH THE PROVISIONS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) STORM WATER PERMIT AND IMPLEMENT THE EROSION CONTROL PLAN INCLUDED IN THESE PLANS AND SPECIFIED HEREIN. AS SPECIFIED IN ARTICLE 107.23, THE ENGINEER MUST GIVE PRIOR APPROVAL BEFORE DISTURBANCE OF ANY AREA CAN BEGIN.
- EXISTING TRAFFIC CONTROL AND ROADSIDE SIGNS SHALL BE RE-INSTALLED AFTER RECONSTRUCTION OF THESE IMPROVEMENTS AND BEFORE THE ROAD IS OPENED TO TRAFFIC.
- ADDITIONAL TEMPORARY TRAFFIC CONTROL DEVICES NEEDED DURING CONSTRUCTION ACTIVITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL AND MAINTAIN.
- SECTION/SUBSECTION MARKERS SHALL BE PROTECTED. IF MARKERS ARE DISTURBED BY CONSTRUCTION, A LICENSED PLS SHALL REPLACE THE MARKER IN ACCORDANCE WITH ACCEPTED STANDARDS OF PRACTICE.

- DEPRESSED CURB AT ENTRANCES SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF COMBINATION CONCRETE CURB AND GUTTER.
- THE CONTRACTOR MUST CONTACT J.U.L.I.E. AT LEAST 48 HOURS BEFORE EXCAVATING ANY MATERIAL OR BORING OPERATIONS. THE FOLLOWING UTILITY COMPANIES HAVE BEEN CONTACTED AND THEIR EXISTING FACILITIES ARE SHOWN ON THESE PLANS BASED ON RECORD DRAWINGS AND FIELD SURVEYS.
 - AMEREN ILLINOIS - GAS; KENT KOWALSKE (309-677-5327)
 - AMEREN ILLINOIS - ELECTRIC; JON REICK (309-693-4697)
 - PLEASANT VALLEY PUBLIC WATER DISTRICT; JOE LUFTUS (309-674-1932)
 - AT&T; JOHN O'FLAHERTY (309-686-3330)
 - GREATER PEORIA SANITARY DISTRICT; JIM SLOAN (309-272-4850)
 - COMCAST; BRUCE VONBRETHORST (309-686-2677)

UTILITY POLES TO BE RELOCATED			
STATION	OFFSET	EACH	OWNER
POTTSTOWN RD. (CH R51)			
31+13.44	20.73' RT	1	AMEREN
31+17.49	15.99' LT	1	AMEREN
33+38.50	20.08' RT	1	AMEREN
KICKAPOO CREEK RD. (CH R51)			
83+56.61	24.28' RT	1	AMEREN
POTTSTOWN RD. (TR 173)			
47+96.96	23.92' RT	1	AMEREN
49+88.24	3.22' RT	1	AMEREN

TELEPHONE PEDESTALS/VAULTS TO BE RELOCATED			
STATION	OFFSET	EACH	
POTTSTOWN RD. (TR 173)			
49+34.92	8.91' RT	1	
49+92.12	8.46' RT	1	
POTTSTOWN RD. (CH R51)			
31+13.02	19.14' LT	1	
33+31.59	15.67' LT	1	

WATER VALVES TO BE ADJUSTED			
STATION	OFFSET	EACH	
KICKAPOO CREEK RD. (CH R51)			
87+80.68	8.42' RT	1	
POTTSTOWN RD. (CH R51)			
34+51.92	27.17' RT	1	
TR 264			
APPROX. 60+90	RT	1	
APPROX. 60+90	RT	1	

WATER VALVES TO BE RELOCATED			
STATION	OFFSET	EACH	
POTTSTOWN RD. (CH R51)			
33+46.02	16.43' RT	1	

FIRE HYDRANTS TO BE RELOCATED			
STATION	OFFSET	EACH	
POTTSTOWN RD. (CH R51)			
34+67.40	23.06' RT	1	

PAVEMENT DESIGN

KICKAPOO CREEK ROAD (CH R51)
 CLASS II ROAD, DESIGN PERIOD = 20 YRS
 DHV = 1550 VPD, TRAFFIC FACTOR = 0.56
 10" FULL DEPTH HMA OVER 12" AGGREGATE BASE COURSE

POTTSTOWN ROAD (CH R51)
 CLASS II ROAD, DESIGN PERIOD = 20 YRS
 DHV = 2050 VPD, TRAFFIC FACTOR = 0.75
 10" FULL DEPTH HMA OVER 12" AGGREGATE BASE COURSE

POTTSTOWN ROAD (TR 173)
 CLASS III ROAD, DESIGN PERIOD = 15 YRS
 DHV = 650 VPD, TRAFFIC FACTOR = 0.16
 8" FULL DEPTH HMA OVER 12" AGGREGATE BASE COURSE

HOT-MIX ASPHALT MATERIALS

MIXTURE USES:	POLY SURFACE	POLY BINDER TOP LIFT	BINDER LOWER LIFTS
PAY ITEM CODES	40603535 40701841 40701881	40603230 40701841 40701881	40701841 40701881
AC/PG:	SBS OR SBR PG 64-28	SBS OR SBR PG 64-28	PG 64-22
RAP % (MAX):	10%	10%	25%
DESIGN AIR VOIDS:	4.0% @ N50	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-9.5 OR IL-12.5	IL-19.0	IL-19.0
FRICITION AGGREGATE	MIX D	N/A	N/A
MIXTURE WEIGHT:	116 LB/SQ YD/IN	116 LB/SQ YD/IN	116 LB/SQ YD/IN
THICKNESS:	1 1/2" MIN.	2 1/4" MIN.	2 1/4" MIN.

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 1 Emily Murphree



MODEL NAME = Default	DESIGNED - EMM	REVISED -
FILE NAME = SHT_GeneralNotes.dgn	DRAWN - AWH	REVISED -
PLOT SCALE = 1/8" = 1'-0"	CHECKED - EJM	REVISED -
PLOT DATE = 10/21/2013	DATE - OCTOBER 2013	REVISED -

PEORIA COUNTY HIGHWAY DEPARTMENT
PEORIA COUNTY, ILLINOIS

GENERAL NOTES AND REQUIREMENTS
COUNTY HIGHWAY R51 BRIDGE OVER KICKAPOO CREEK

SCALE: N/A SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	2
CONTRACT NO. 89643			ILLINOIS FED. AID PROJECT	


SUMMARY OF QUANTITIES

SP	PAY ITEM	ITEM DESCRIPTION	UNIT	QUANTITY	RECORD QUANTITY
**	72000100	SIGN PANEL - TYPE 1	SO FT	60	
	72400710	RELOCATE SIGN PANEL - TYPE 1	SO FT	5	
**	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	147	
Δ	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	5476	
Δ	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	93	
Δ	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	56	
Δ	78200410	GUARDRAIL MARKERS, TYPE A	EACH	39	
Δ	78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	2	
Δ	• LR631020	TRAFFIC BARRIER TERMINAL, TYPE 1	EACH	1	
	• X0321809	PERMANENT GROUND ANCHOR	EACH	8	
	• X0327301	RELOCATE EXISTING MAILBOX	EACH	3	
	• X5121800	PERMANENT STEEL SHEET PILING	SO FT	1230	
**	• X5150110	NAME PLATES (SPECIAL)	EACH	1	
	• X5860110	GRANULAR BACKFILL FOR STRUCTURES	CU YD	170	
Δ	• X6330725	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	FOOT	21	
	• X7011832	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 22	EACH	3	
	• X7240300	SIGN REMOVAL	EACH	6	
	• X7240505	RELOCATE SIGN PANEL AND POST	EACH	11	
	• Z0013798	CONSTRUCTION LAYOUT	L SUM	1	
	• Z0016702	DETOUR SIGNING	L SUM	1	
	• Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	156	
	• Z0054517	ROCK FILL - FOUNDATION	TON	13	
	• Z0065000	SETTING PILES IN ROCK	EACH	24	

** PAY ITEM INCLUDES NON-PARTICIPATING WORK

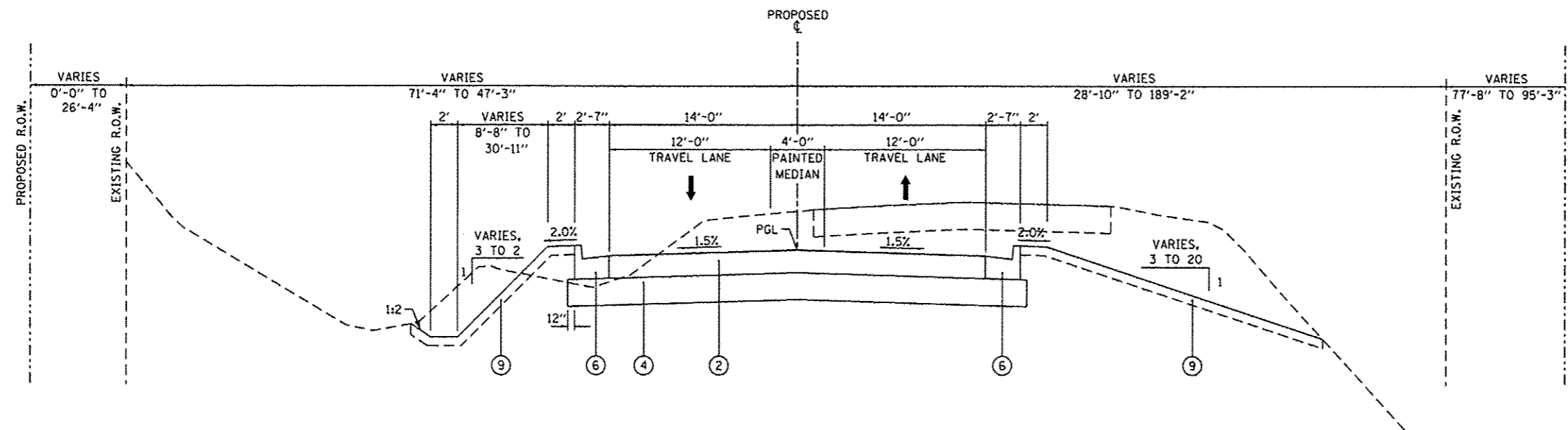
Δ SPECIALTY ITEMS

DIRECTORY: I:\WORK\1100009\02\02\02\SQA\SQA.dwg
 USER NAME: Emily Munday

 CMT CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS 1842 N. 18th St., Peoria, IL 61604	MODEL NAME = Default FILE NAME = SHT_Summary of Quantities.dwg PLOT SCALE = 40.0000' / 1"	DESIGNED - EMM DRAWN - AWH CHECKED - EJM DATE - OCTOBER 2013	REVISED - REVISED - REVISED - REVISED -	PEORIA COUNTY HIGHWAY DEPARTMENT PEORIA COUNTY, ILLINOIS	SUMMARY OF QUANTITIES SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.	F.A.U. RTE. 6576 SECTION 11-00009-02-BR COUNTY PEORIA TOTAL SHEETS 109 SHEET NO. 4 CONTRACT NO. 89643 ILLINOIS FED. AID PROJECT
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LEGEND

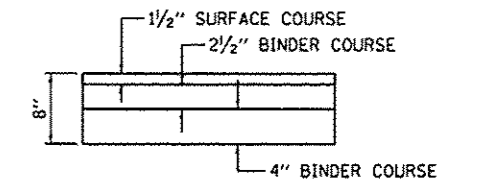
- (A) EXISTING ASPHALT PAVEMENT
- (B) EXISTING BRIDGE DECK
- (C) EXISTING AGGREGATE PAVEMENT
- (1) HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 8" (SEE DETAIL A)
- (2) HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 10" (SEE DETAIL B)
- (3) AGGREGATE SURFACE COURSE, TYPE A, 12"
- (4) SUBBASE GRANULAR MATERIAL, TYPE B, 12"
- (5) SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- (6) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (7) AGGREGATE SHOULDERS, TYPE A, 6"
- (8) PORTLAND CEMENT CONCRETE SIDEWALK, 4"
- (9) TOPSOIL FURNISH AND PLACE, 4"
- (10) SUBBASE GRANULAR MATERIAL, TYPE B, 7"
- (11) POLY. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", NSO, 2"
- (12) POLY. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, NSO, 3"
- (13) HOT-MIX ASPHALT SHOULDERS, 6"
- (14) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12



KICKAPOO CREEK ROAD (CH R51) - TYPICAL #3

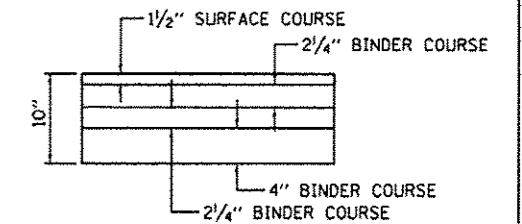
STA. 85+09.00 TO STA. 87+76.31

INTERSECTION OMISSION
STA. 87+76.31 TO STA. 88+17.95



DETAIL A

HOT-MIX ASPHALT PAVEMENT, 8"



DETAIL B

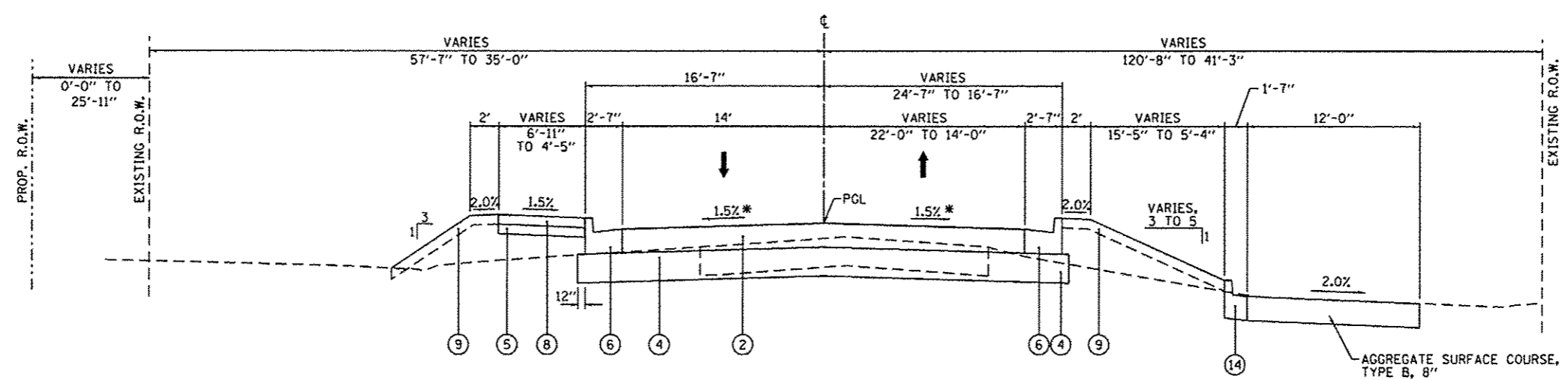
HOT-MIX ASPHALT PAVEMENT, 10"

DIRECTORY USER MAKE
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 EMM, Murphy

CMT CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS LICENSE NO. 124-205513	MODEL NAME = Default FILE NAME = TypSec01_KickapooR02.dgn PLOT SCALE = 10.0000 / in. PLOT DATE = 10/21/2013	DESIGNED - EMM DRAWN - AWH CHECKED - EJM DATE - OCTOBER 2013	REVISED REVISED REVISED REVISED	PEORIA COUNTY HIGHWAY DEPARTMENT PEORIA COUNTY, ILLINOIS	TYPICAL SECTIONS KICKAPOO CREEK ROAD (CH R51)	SCALE: 1" = 5' SHEET 2 OF 5 SHEETS	STA. TO STA.	F.A.U. RTE. 6576 SECTION 11-00009-02-BR COUNTY PEORIA TOTAL SHEETS 109 SHEET NO. 6 CONTRACT NO. 89643 ILLINOIS FED. AID PROJECT

LEGEND

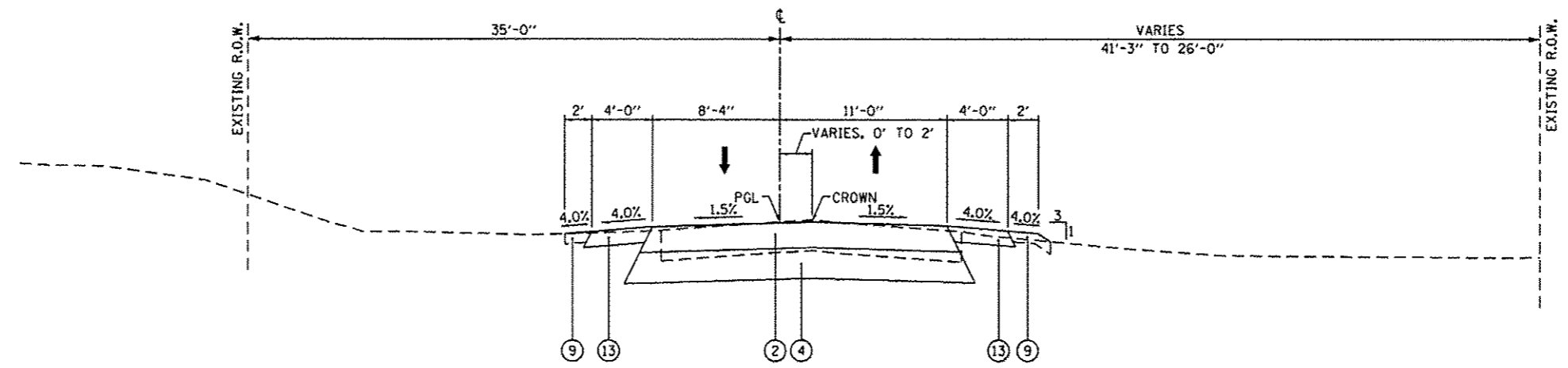
- (A) EXISTING ASPHALT PAVEMENT
- (B) EXISTING BRIDGE DECK
- (C) EXISTING AGGREGATE PAVEMENT
- (1) HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 8" (SEE DETAIL A)
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- (7) AGGREGATE SHOULDERS, TYPE A, 6"
- (8) PORTLAND CEMENT CONCRETE SIDEWALK, 4"
- (9) TOPSOIL FURNISH AND PLACE, 4"
- (10) SUBBASE GRANULAR MATERIAL, TYPE B, 7"
- (11) POLY. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", NSO, 2"
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- (13) HOT-MIX ASPHALT SHOULDERS, 6"
- (14) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12



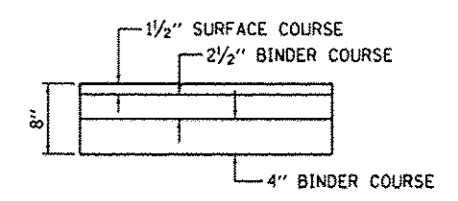
INTERSECTION OMISSION
STA. 30+00.00 TO STA. 30+62.32

BRIDGE OMISSION
STA. 30+74.50 TO STA. 33+69.50

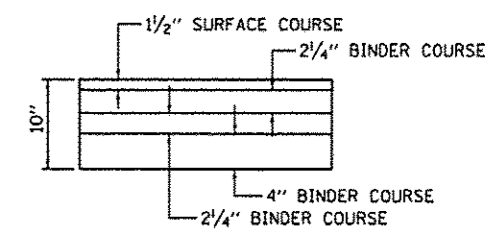
POTTSTOWN (CH R51) - TYPICAL #1
STA. 30+62.32 TO STA. 30+74.50
* CROSS SLOPE VARIES AT INTERSECTION
STA. 33+69.50 TO STA. 34+30.00



POTTSTOWN (CH R51) - TYPICAL #2
STA. 34+30.00 TO STA. 35+18.32



DETAIL A
HOT-MIX ASPHALT PAVEMENT, 8"



DETAIL B
HOT-MIX ASPHALT PAVEMENT, 10"

DIRECTORY USER NAME: Emily.Murphy
 C:\ProgramData\CMT\10000\CAD_Sheet1

CMT
CRAWFORD, MURPHY & TILLY, INC.
CONSULTING ENGINEERS
License No. 184-022513

MODEL NAME	Default	DESIGNED	- EMM	REVISED	-
FILE NAME	TypSection_CHR51.dgn	DRAWN	- AWH	REVISED	-
PLOT SCALE	1/8" = 1'-0"	CHECKED	- E.JH	REVISED	-
PLOT DATE	10/21/2013	DATE	- OCTOBER 2013	REVISED	-

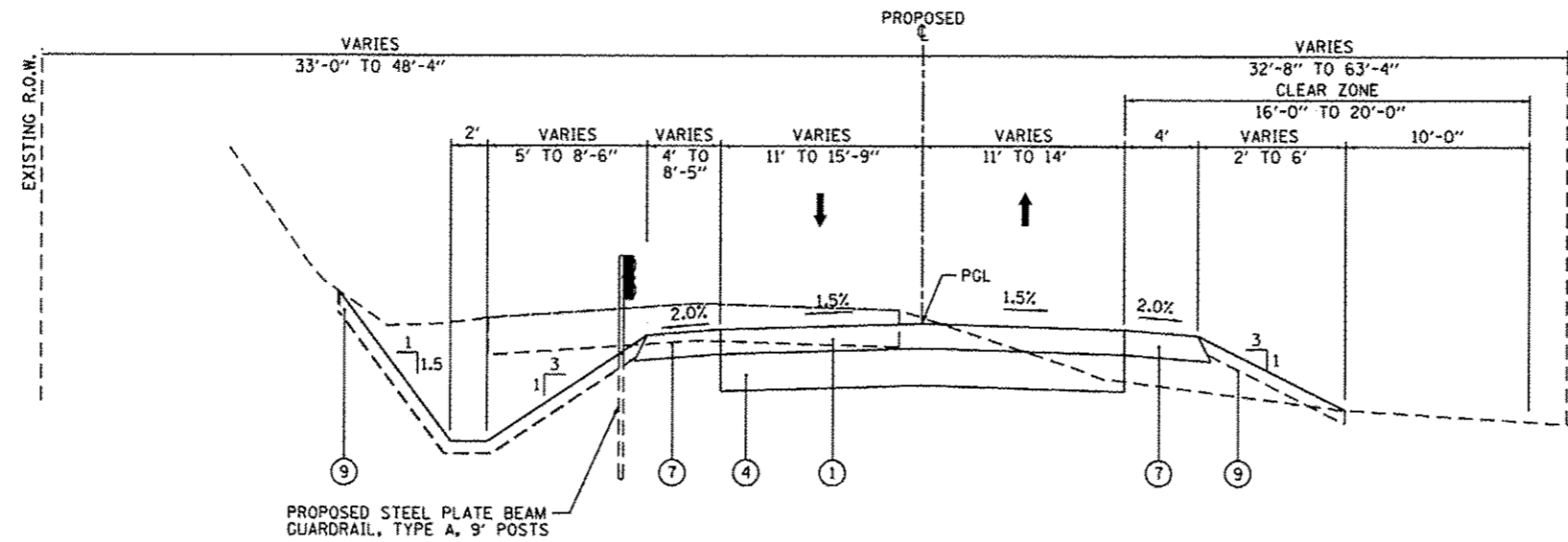
PEORIA COUNTY HIGHWAY DEPARTMENT
PEORIA COUNTY, ILLINOIS

TYPICAL SECTIONS		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
POTTSTOWN ROAD (CH R51)		6576	11-00009-02-BR	PEORIA	109	7
SCALE: 1" = 5'	SHEET 3	OF 5 SHEETS	STA.	TO STA.	CONTRACT NO. 89643	

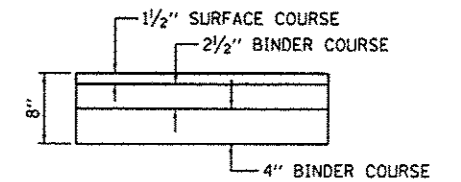
ILLINOIS FED. AID PROJECT						
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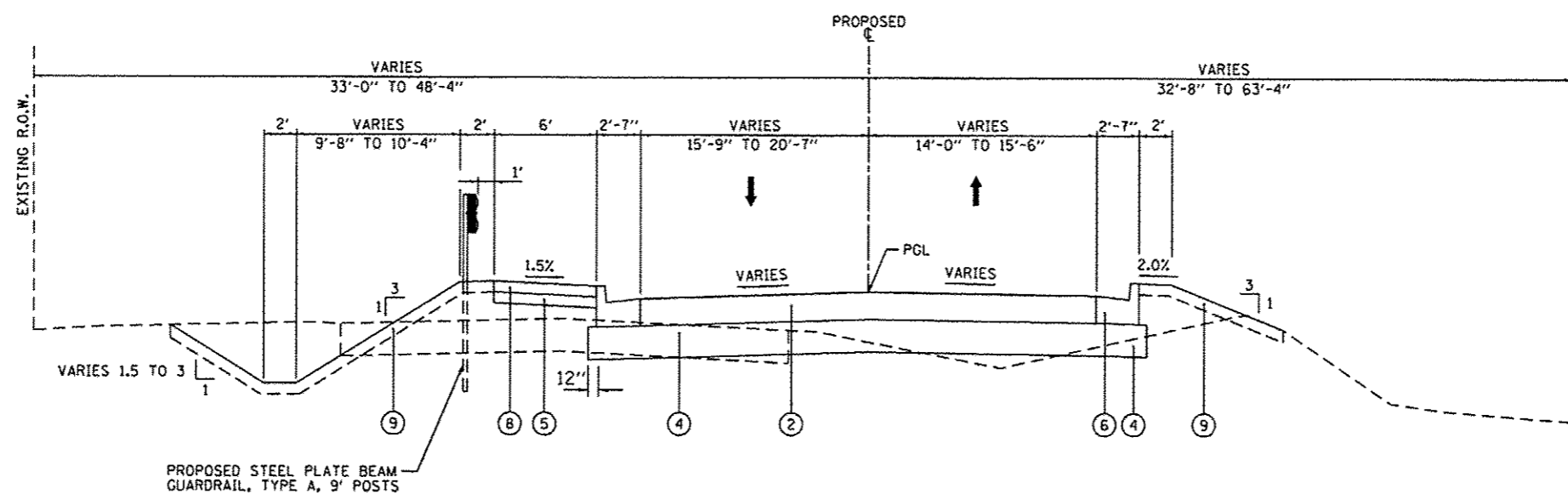
- (A) EXISTING ASPHALT PAVEMENT
- (B) EXISTING BRIDGE DECK
- (C) EXISTING AGGREGATE PAVEMENT
- (1) HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 8" (SEE DETAIL A)
- (2) HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 10" (SEE DETAIL B)
- (3) AGGREGATE SURFACE COURSE, TYPE A, 12"
- (4) SUBBASE GRANULAR MATERIAL, TYPE B, 12"
- (5) SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- (6) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (7) AGGREGATE SHOULDERS, TYPE A, 6"
- (8) PORTLAND CEMENT CONCRETE SIDEWALK, 4"
- (9) TOPSOIL FURNISH AND PLACE, 4"
- (10) SUBBASE GRANULAR MATERIAL, TYPE B, 7"
- (11) POLY. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
- (12) POLY. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 3"
- (13) HOT-MIX ASPHALT SHOULDERS, 6"
- (14) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12



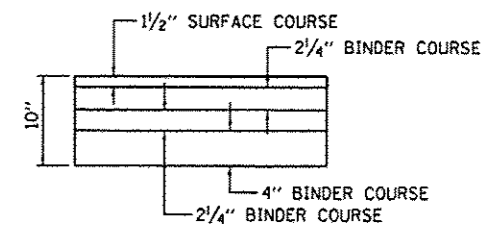
POTTSTOWN ROAD (TR 173)
STA. 47+00.00 TO STA. 49+60.34



DETAIL A
HOT-MIX ASPHALT PAVEMENT, 8"



POTTSTOWN ROAD (TR 173)
STA. 49+60.34 TO STA. 49+79.58



DETAIL B
HOT-MIX ASPHALT PAVEMENT, 10"

INTERSECTION OMISSION
STA. 49+79.58 TO STA. 50+01.97

DIRECTORY USER NAME = L:\P\103031\001\103031.dwg
 USER NAME = Emily Munday

CMT
CRAWFORD, MURPHY & TILLY, INC.
CONSULTING ENGINEERS
LICENSE NO. 184-005613

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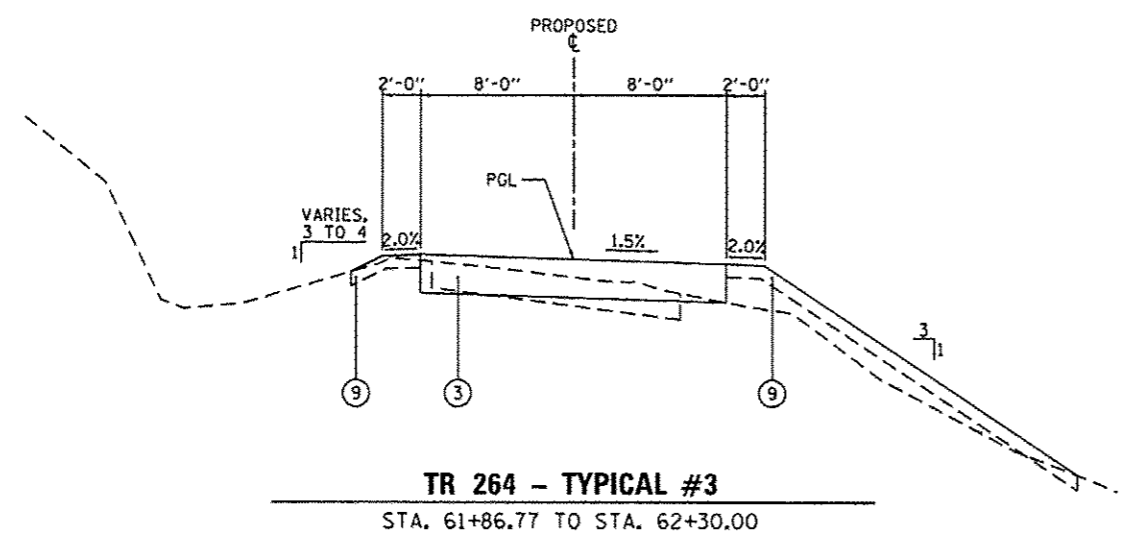
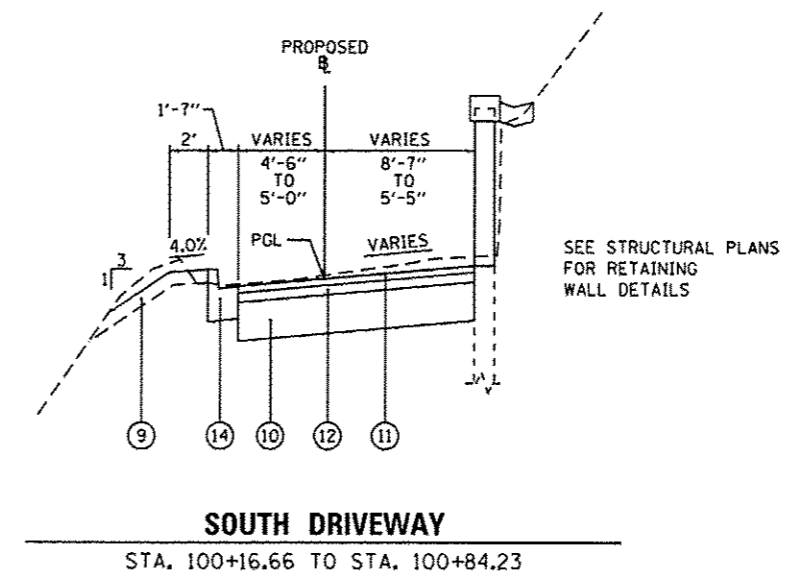
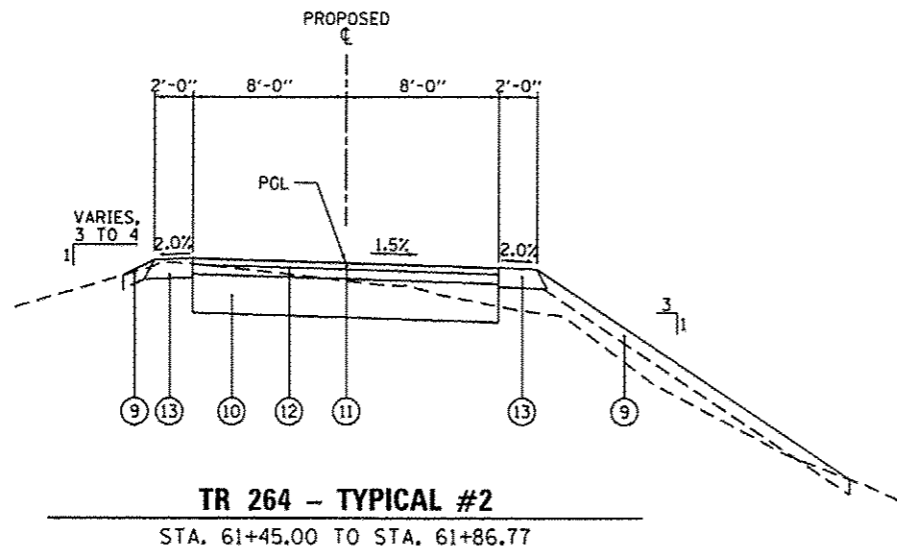
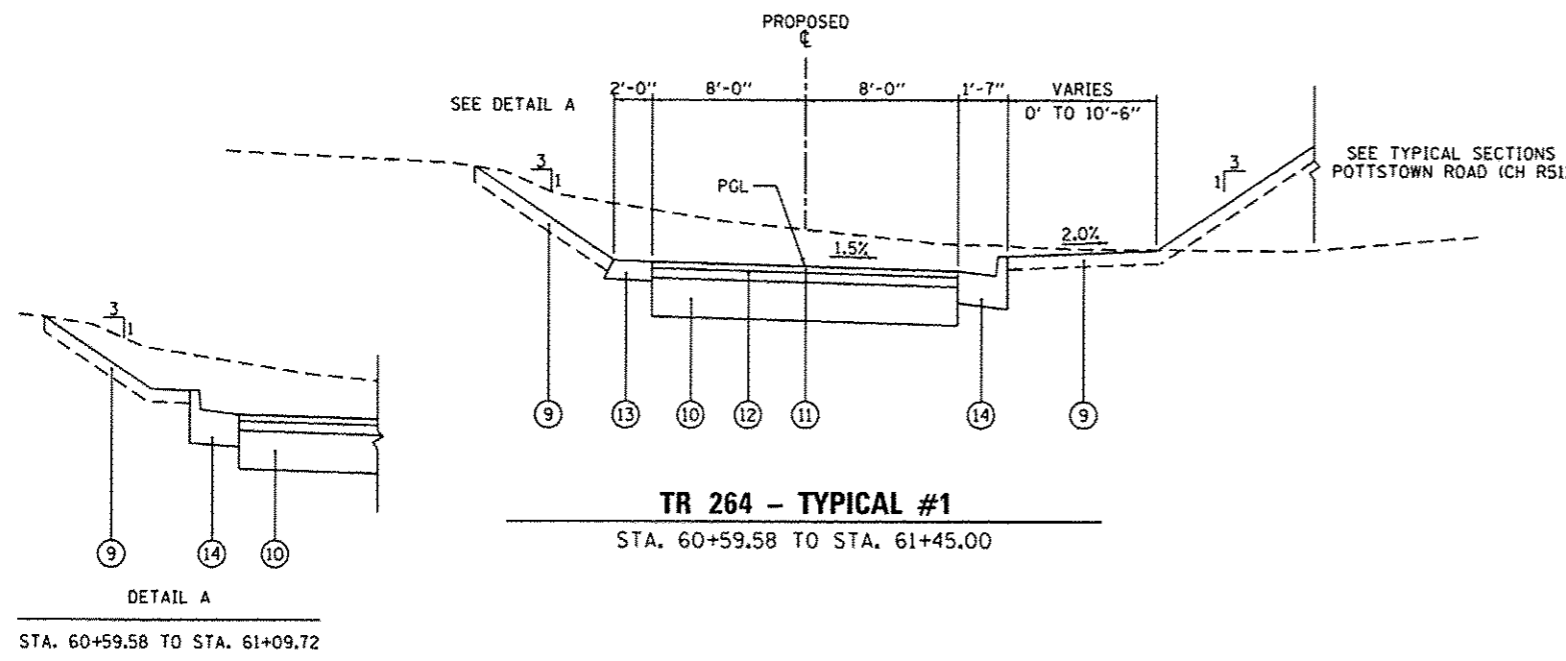
PEORIA COUNTY HIGHWAY DEPARTMENT
PEORIA COUNTY, ILLINOIS

TYPICAL SECTIONS			
POTTSTOWN ROAD (TR 173)			
SCALE: 1" = 5'	SHEET 4	OF 5 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	8
				CONTRACT NO. 89643
ILLINOIS FED. AID PROJECT				

LEGEND

- (A) EXISTING ASPHALT PAVEMENT
- (B) EXISTING BRIDGE DECK
- (C) EXISTING AGGREGATE PAVEMENT
- (1) HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 8" (SEE DETAIL A)
- (2) HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 10" (SEE DETAIL B)
- (3) AGGREGATE SURFACE COURSE, TYPE A, 12"
- (4) SUBBASE GRANULAR MATERIAL, TYPE B, 12"
- (5) SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- (6) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (7) AGGREGATE SHOULDERS, TYPE A, 6"
- (8) PORTLAND CEMENT CONCRETE SIDEWALK, 4"
- (9) TOPSOIL FURNISH AND PLACE, 4"
- (10) SUBBASE GRANULAR MATERIAL, TYPE B, 7"
- (11) POLY. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", NSO, 2"
- (12) POLY. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, NSO, 3"
- (13) HOT-MIX ASPHALT SHOULDERS, 6"
- (14) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12



DIRECTORY USER NAME = Emily_Murphy
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CMT
CRAWFORD, MURPHY & TILLY, INC.
CONSULTING ENGINEERS
LICENSE NO. 18-005913

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PEORIA COUNTY HIGHWAY DEPARTMENT
PEORIA COUNTY, ILLINOIS

TYPICAL SECTIONS		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 264 & SOUTH DRIVEWAY		6576	11-00009-02-BR	PEORIA	109	9
SCALE: 1" = 5'	SHEET 5	OF 5 SHEETS	STA.	TO STA.		

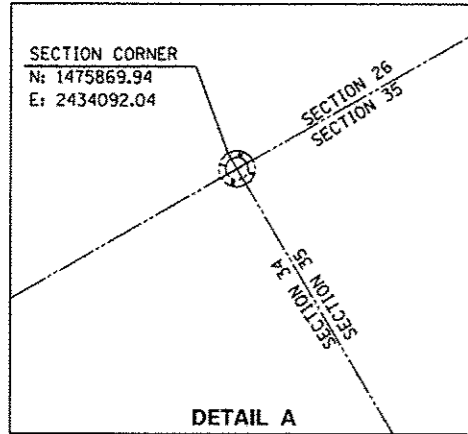
CONTRACT NO. 89643		ILLINOIS FED. AID PROJECT	
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PROP. § TR 264
 CURVE-1 DATA
 PI STA. = 60+85.37
 $\Delta = 97^\circ 23' 51''$ (RT)
 $D = 76^\circ 23' 40''$
 $R = 75.00'$
 $T = 85.37'$
 $L = 127.49'$
 $E = 38.63'$
 P.C. STA. = 60+00.00
 P.R.C. STA. = 61+27.49

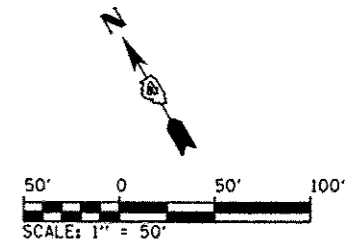
PROP. § TR 264
 CURVE-2 DATA
 PI STA. = 61+62.32
 $\Delta = 75^\circ 28' 17''$ (LT)
 $D = 127^\circ 19' 26''$
 $R = 45.00'$
 $T = 34.82'$
 $L = 59.28'$
 $E = 11.90'$
 P.R.C. STA. = 61+27.49
 P.T. STA. = 61+86.77

PROP. § POTTSTOWN ROAD (TR 173)
 CURVE-1 DATA
 PI STA. = 47+47.05
 $\Delta = 10^\circ 33' 38''$ (RT)
 $D = 16^\circ 22' 13''$
 $R = 350.00'$
 $T = 32.35'$
 $L = 64.51'$
 $E = 1.49'$
 P.C. STA. = 47+14.70
 P.R.C. STA. = 47+79.21

PROP. § POTTSTOWN ROAD (TR 173)
 CURVE-2 DATA
 PI STA. = 48+37.38
 $\Delta = 18^\circ 52' 17''$ (LT)
 $D = 16^\circ 22' 13''$
 $R = 350.00'$
 $T = 58.17'$
 $L = 115.28'$
 $E = 4.80'$
 P.R.C. STA. = 47+79.21
 P.T. STA. = 48+94.49



EXIST. § POTTSTOWN ROAD (CH R51)
 CURVE-1 DATA
 PI STA. = 35+25.60
 $\Delta = 6^\circ 12' 00''$ (RT)
 $D = 2^\circ 00' 00''$
 $R = 2,864.93'$
 $T = 155.16'$
 $L = 310.02'$
 $E = 4.20'$
 P.C. STA. = 33+70.44
 P.T. STA. = 36+80.46



POTTSTOWN ROAD (CH R51)

PI STATION	N	E
STA. 30+00.00	1475462.44	2436205.61
STA. 35+25.60	1475765.89	2436634.75

KICKAPOO CREEK ROAD (CH R51)

PI STATION	N	E
STA. 80+00.00	1474873.21	2436766.92
STA. 81+29.41	1474965.73	2436676.44
STA. 85+79.34	1475317.87	2436396.17
STA. 87+20.52	1475391.49	2436273.11
STA. 88+17.95	1475462.44	2436205.61

POTTSTOWN ROAD (TR 173)

PI STATION	N	E
STA. 46+00.00	1475601.45	2435830.54
STA. 47+47.05	1475547.83	2435967.46
STA. 48+37.38	1475499.93	2436044.26
STA. 50+01.97	1475462.44	2436205.61

TR 264

PI STATION	N	E
STA. 60+85.37	1475498.98	2435830.54
STA. 61+62.32	1475569.92	2436267.87
STA. 62+67.77	1475677.58	2436225.15

SOUTH DRIVEWAY

PI STATION	N	E
STA. 100+00.00	1475921.44	2436411.24
STA. 100+28.23	1475271.17	2436391.59
STA. 101+28.80	1475178.17	2436441.51

- BENCHMARKS**
- BM #1: CHISLED "□" ON THE S.E. HEADWALL OF BRIDGE OVER KICKAPOO CREEK NEAR POTTSTOWN ILLINOIS. ELEVATION = 487.50
 - BM #2: BOLT IN MUELLER ON HYDRANT ON THE SOUTH SIDE OF COUNTY ROAD R51 BETWEEN KICKAPOO CREEK AND RR TRACKS. ELEVATION = 487.10
 - BM #3: 60D IN WEST FACE OF P.POLE. THE P.POLE IS THE 2ND OR LAST POLE SOUTH OF BRIDGE ALONG THE WEST SIDE OF KICKAPOO CREEK. ELEVATION = 484.54
 - BM #4: 60D IN THE SOUTH FACE OF P.POLE. THE P.POLE IS THE LAST POLE ON THE SOUTH SIDE OF KICKAPOO CREEK ROAD THAT IS HEADING N.W. OF BRIDGE. ELEVATION = 488.67

PROP. § KICKAPOO CREEK RD. (CH R51) CURVE-1 DATA
 PI STA. = 81+29.41
 $\Delta = 5^\circ 50' 46''$ (RT)
 $D = 3^\circ 49' 11''$
 $R = 1,500.00'$
 $T = 76.59'$
 $L = 153.05'$
 $E = 1.95'$
 P.C. STA. = 80+52.82
 P.T. STA. = 82+05.87

PROP. § KICKAPOO CREEK RD. (CH R51) CURVE-2 DATA
 PI STA. = 85+79.34
 $\Delta = 20^\circ 35' 40''$ (LT)
 $D = 10^\circ 09' 32''$
 $R = 564.00'$
 $T = 102.47'$
 $L = 202.72'$
 $E = 9.23'$
 P.C. STA. = 84+76.87
 P.T. STA. = 86+79.59

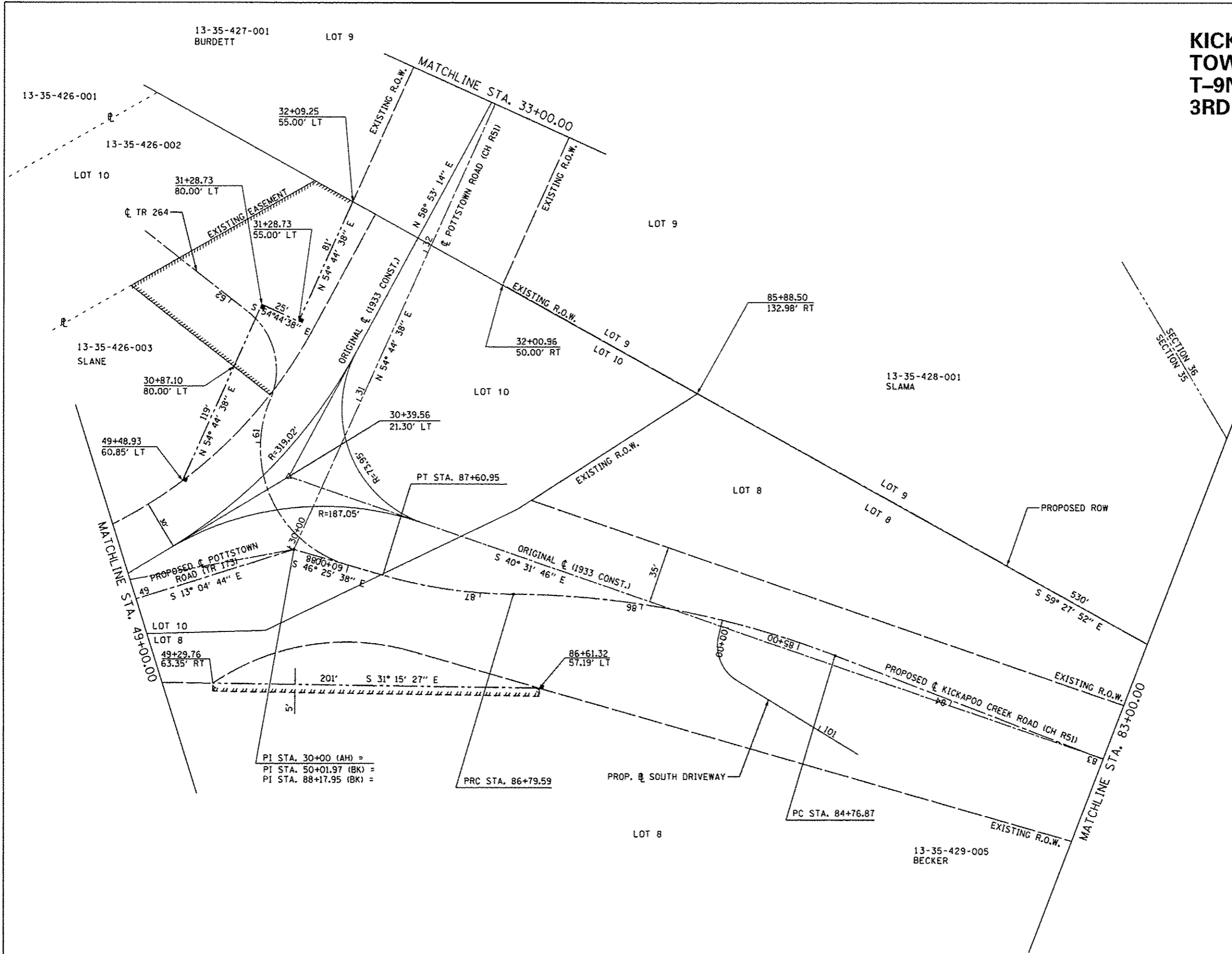
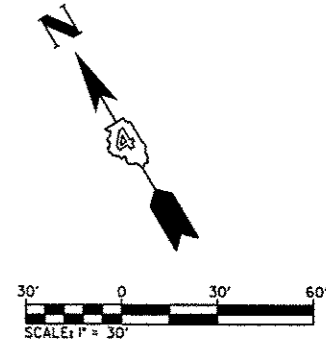
PROP. § KICKAPOO CREEK RD. (CH R51) CURVE-3 DATA
 PI STA. = 87+20.52
 $\Delta = 15^\circ 32' 15''$ (RT)
 $D = 19^\circ 05' 55''$
 $R = 300.00'$
 $T = 40.93'$
 $L = 81.35'$
 $E = 2.78'$
 P.C. STA. = 86+79.59
 P.T. STA. = 87+60.95

PROP. § SOUTH DRIVEWAY CURVE-1 DATA
 PI STA. = 100+28.23
 $\Delta = 72^\circ 19' 54''$ (LT)
 $D = 229^\circ 10' 59''$
 $R = 25.00'$
 $T = 18.27'$
 $L = 31.56'$
 $E = 5.97'$
 P.C. STA. = 100+09.95
 P.T. STA. = 100+41.52

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 DATE: 10/21/2013

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	SCALE: 1" = 50' SHEET 1 OF 1 SHEETS STA. TO STA.					

**KICKAPOO
TOWNSHIP
T-9N,R-5E,
3RD P.M.**



LEGEND

- EXISTING PERMANENT EASEMENT
- PROPOSED R.O.W. LINE
- PROPOSED C
- EXISTING PROPERTY LINE
- EXISTING SECTION LINE
- EXISTING R.O.W. LINE
- SUBDIVISION LOT LINE
- PROPOSED R.O.W. MARKER

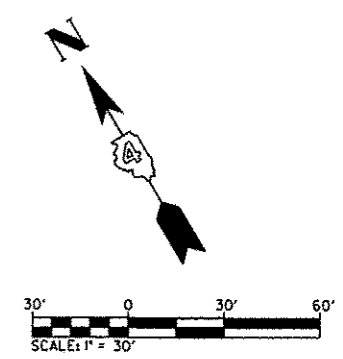
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CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-028813

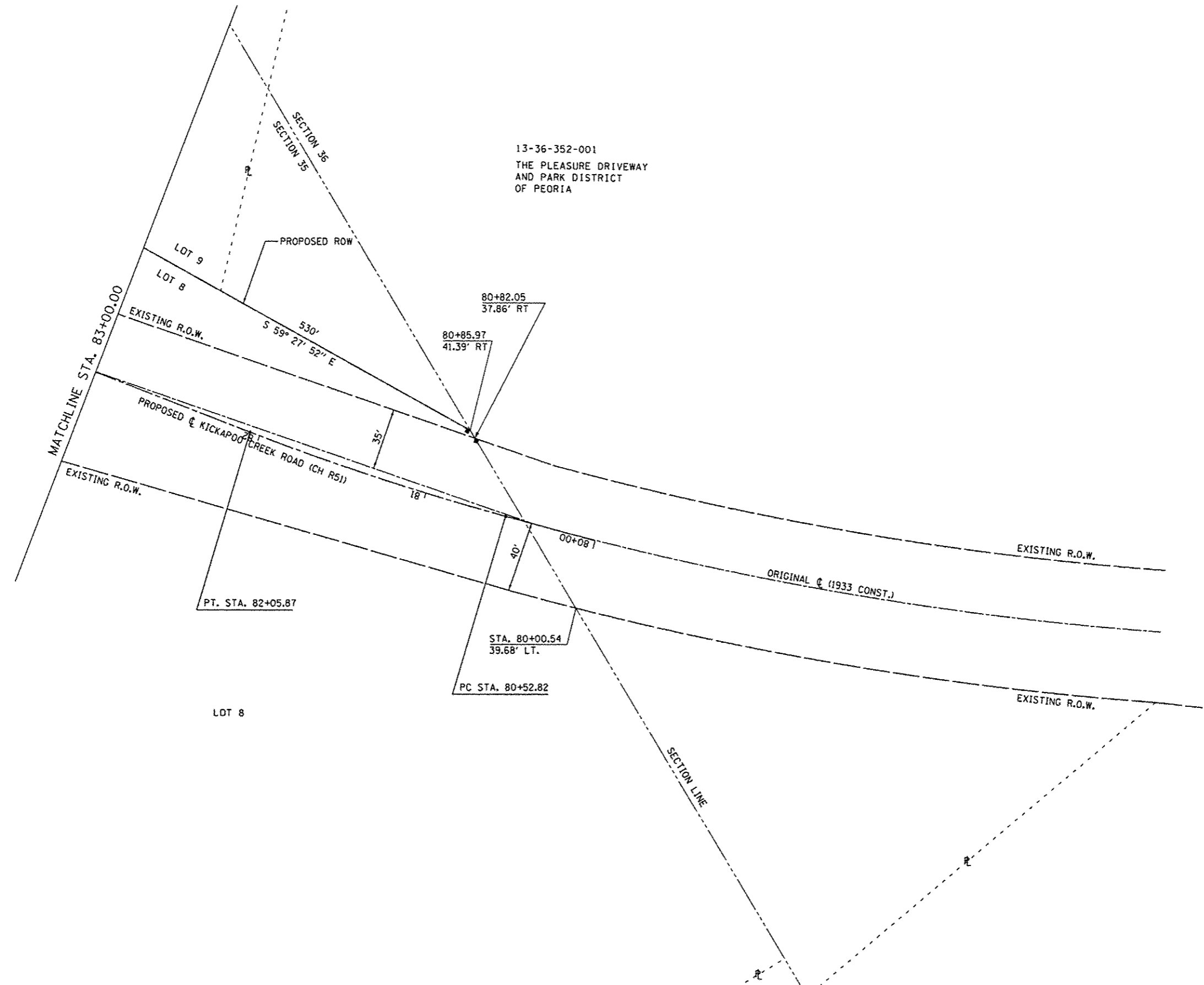
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**PEORIA COUNTY HIGHWAY DEPARTMENT
PEORIA COUNTY, ILLINOIS**

ROW PLAN		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
COUNTY HIGHWAY R51 OVER KICKAPOO CREEK		6576	11-00009-02-BR	PEORIA	109	14
SCALE: 1" = 60'	SHEET 1 OF 4 SHEETS	STA.	TO STA.	CONTRACT NO. 89643		
ILLINOIS FED. AID PROJECT						



13-36-352-001
 THE PLEASURE DRIVEWAY
 AND PARK DISTRICT
 OF PEORIA



LEGEND

	EXISTING PERMANENT EASEMENT
	PROPOSED R.O.W. LINE
	PROPOSED C
	EXISTING PROPERTY LINE
	EXISTING SECTION LINE
	EXISTING R.O.W. LINE
	SUBDIVISION LOT LINE
	PROPOSED R.O.W. MARKER

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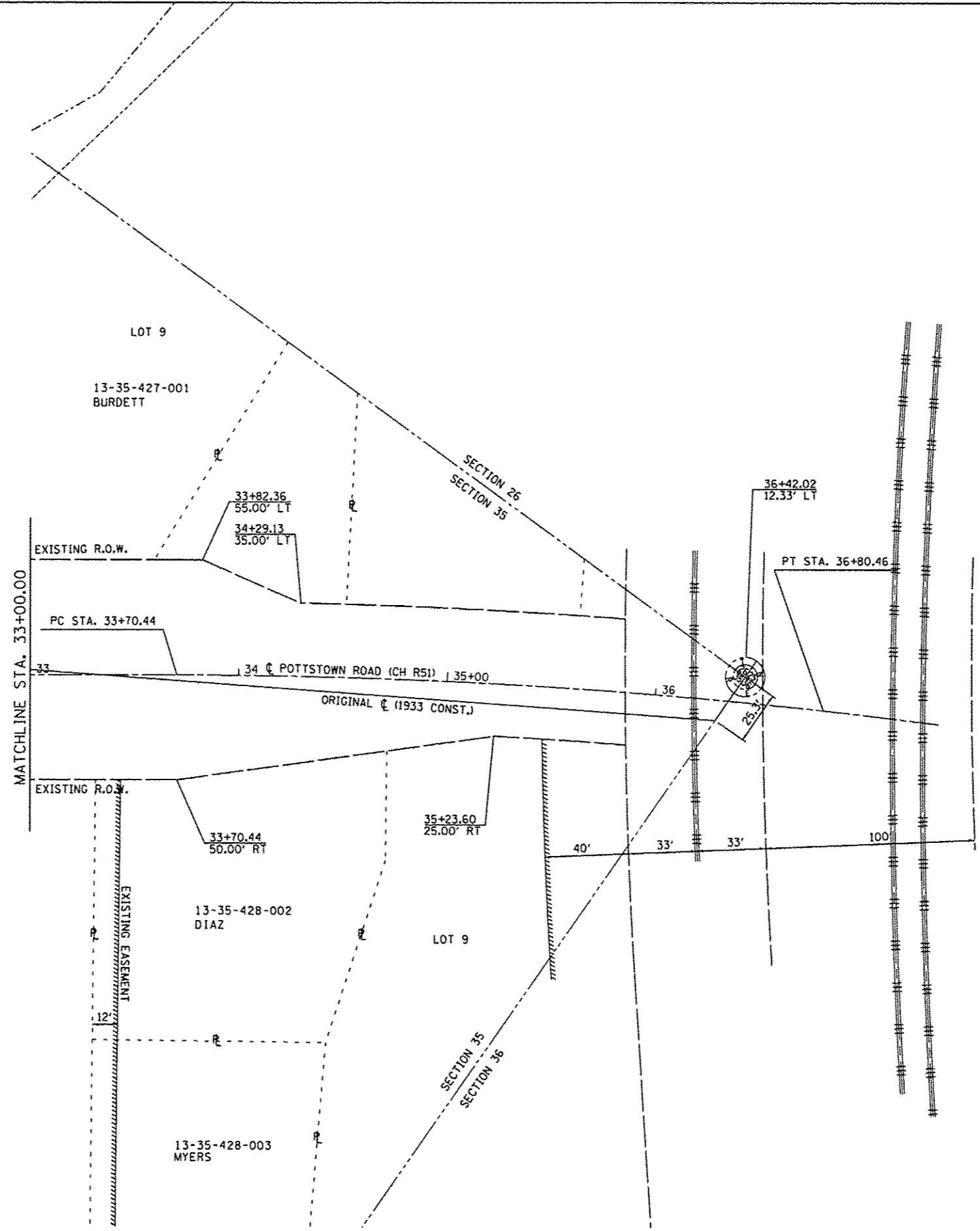
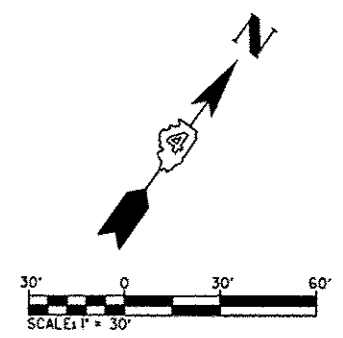
CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 LICENSE NO. 124-000013

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PLOT DATE	10/21/2013	DATE	- OCTOBER 2013	REVISED	-

PEORIA COUNTY HIGHWAY DEPARTMENT
PEORIA COUNTY, ILLINOIS

ROW PLAN	
COUNTY HIGHWAY R51 OVER KICKAPOO CREEK	
SCALE: 1" = 60'	SHEET 2 OF 4 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	15
CONTRACT NO. 89643			ILLINOIS FED. AID PROJECT	



LEGEND

	EXISTING PERMANENT EASEMENT
	PROPOSED R.O.W. LINE
	PROPOSED C
	EXISTING PROPERTY LINE
	EXISTING SECTION LINE
	EXISTING R.O.W. LINE
	SUBDIVISION LOT LINE
	PROPOSED R.O.W. MARKER

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 USER NAME: Emily Murdew

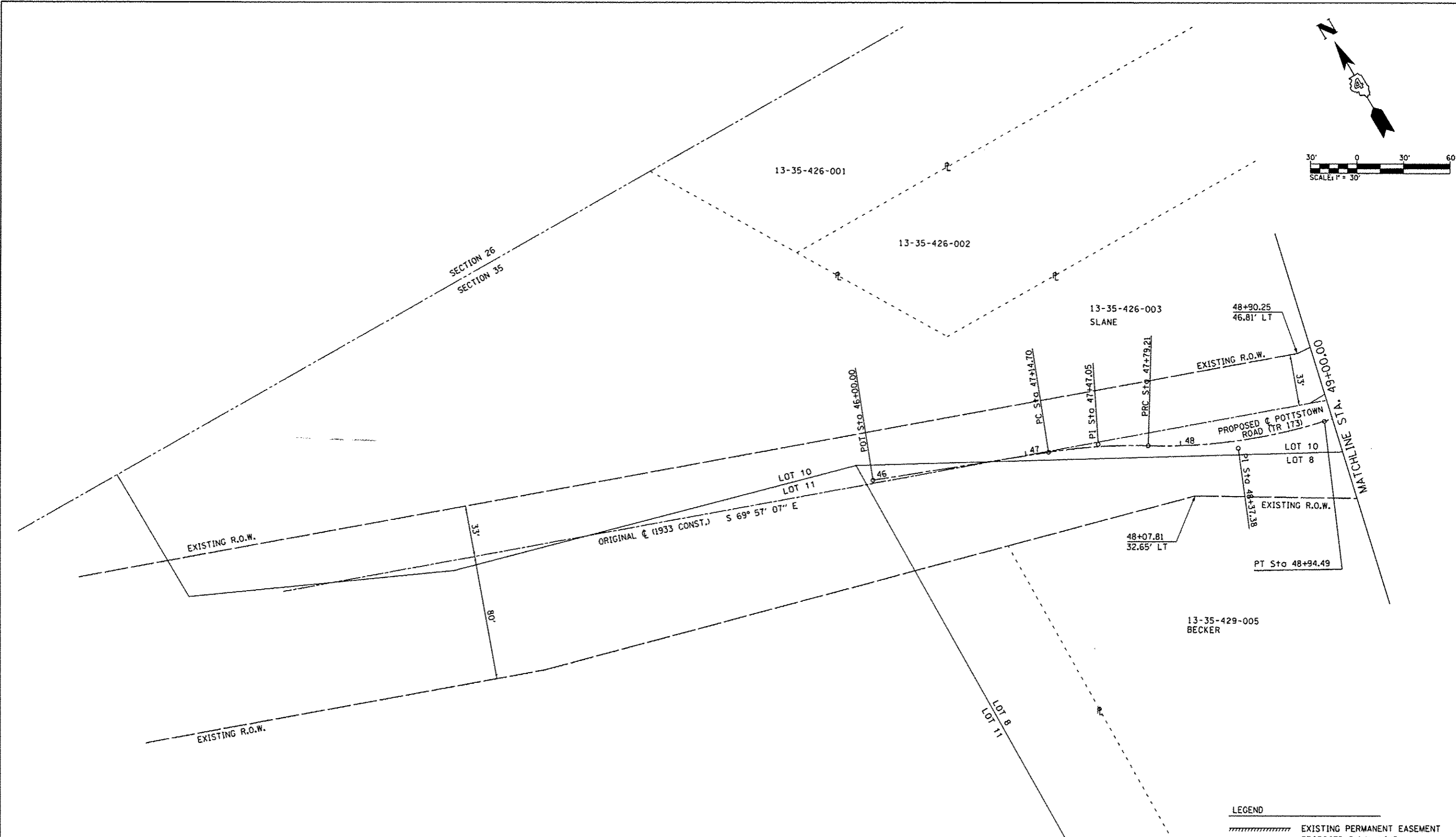
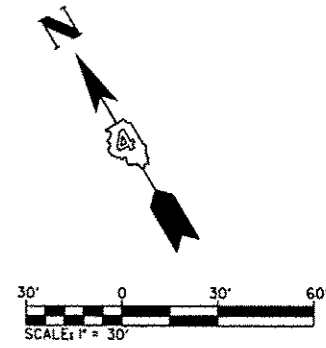
CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000613

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**PEORIA COUNTY HIGHWAY DEPARTMENT
 PEORIA COUNTY, ILLINOIS**

ROW PLAN			
COUNTY HIGHWAY R51 OVER KICKAPOO CREEK			
SCALE: 1" = 60'	SHEET 3	OF 4 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	16
CONTRACT NO. 89643				ILLINOIS FED. AID PROJECT



LEGEND

	EXISTING PERMANENT EASEMENT
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	PROPOSED C
	EXISTING PROPERTY LINE
	EXISTING SECTION LINE
	EXISTING R.O.W. LINE
	SUBDIVISION LOT LINE
	PROPOSED R.O.W. MARKER

DIRECTORY USER NAME * L:\P\010503030\Draw\000_Sheet4.dwg * Emily Munday

CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 124-000913

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PLOT DATE * 10/21/2013	DATE - OCTOBER 2013	REVISED -

PEORIA COUNTY HIGHWAY DEPARTMENT
PEORIA COUNTY, ILLINOIS

ROW PLAN
COUNTY HIGHWAY R51 OVER KICKAPOO CREEK
 SCALE: 1" = 60' SHEET 4 OF 4 SHEETS STA. TO STA.

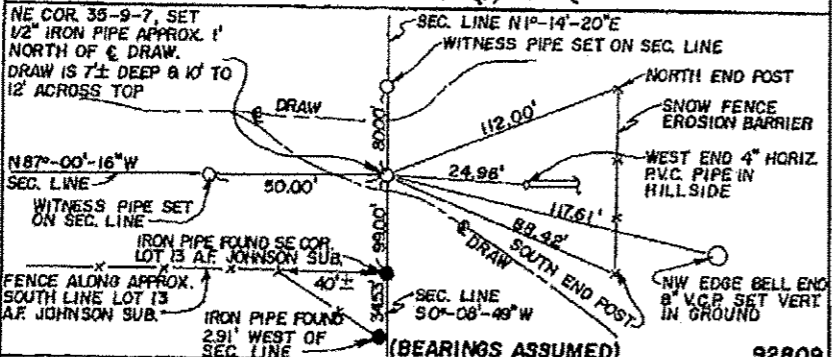
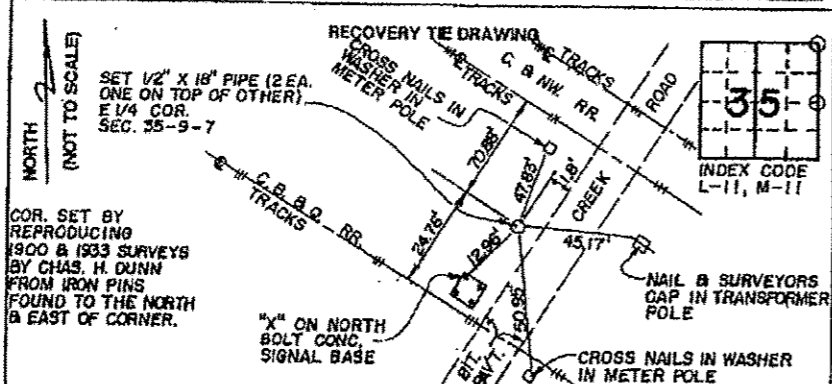
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CONTRACT NO. 89643			ILLINOIS FED. AID PROJECT	

DOCUMENT NO. 92-05417

"MONUMENT RECORD"

OF
LAND SURVEY MONUMENTS SITUATED IN SECTION 35, TOWNSHIP 9 NORTH
RANGE 7 EAST, OF THE 4TH PRINCIPAL MERIDIAN, PEORIA
COUNTY, ILLINOIS.

MONUMENT DESCRIPTION AND REMARKS: 2 EA. 1/2" x 18" IRON PIPE SET
(ONE OVER THE OTHER) E 1/4 COR.
SET 1/2" IRON PIPE NE COR.



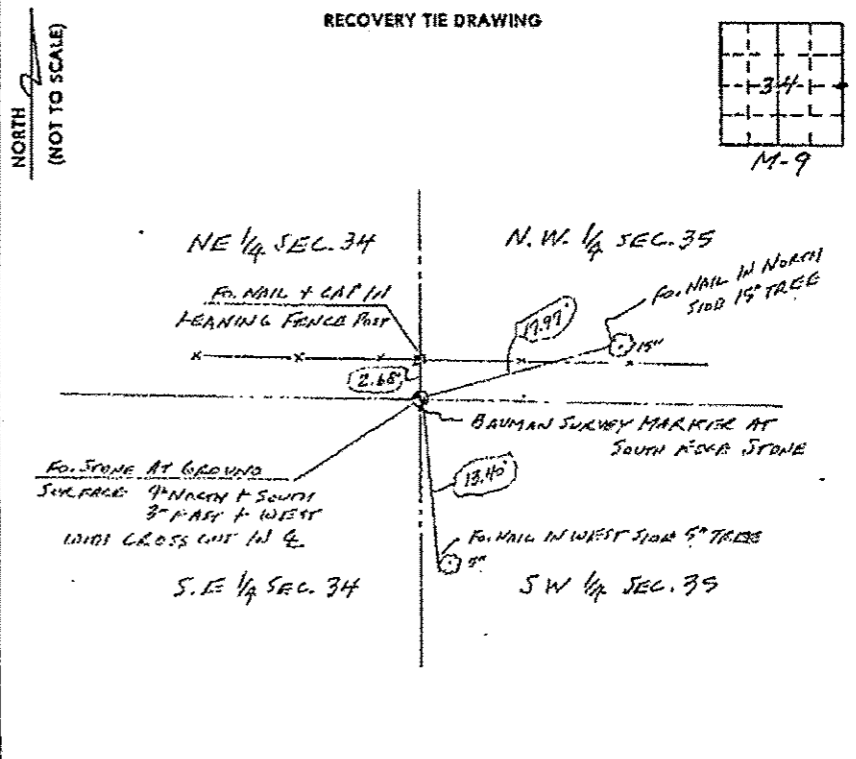
STATE OF ILLINOIS
COUNTY OF PEORIA SS
I, WILLIAM M. HEFFERNAN, HEREBY
CERTIFY THAT THIS DOCUMENT WAS PREPARED
UNDER MY DIRECTION IN ACCORDANCE WITH
THE PUBLIC ACT 79-649 AND THE ABOVE
DATA IS GIVEN UNDER MY HAND AND SEAL
THIS 27 DAY OF MARCH 1992 A. D.
WILLIAM M. HEFFERNAN
ILLINOIS LICENSED PROFESSIONAL
LAND SURVEYOR NO. 1854
OR
UNITED STATES GOVERNMENT AGENCY

SPACE RESERVED FOR
RECORDING OFFICER
STATE OF ILLINOIS, County of Peoria, Illinois, County Recorder, ss
FILED FOR RECORD
IN THE OFFICE OF
C. DICKSON GIBBINS, County Recorder, ss
10:39
1992
Recorder of Deeds

"MONUMENT RECORD"

OF KICKAPOO TWP.
LAND SURVEY MONUMENTS SITUATED IN SECTION 34, TOWNSHIP 9 NORTH
RANGE 7 EAST, OF THE 4TH PRINCIPAL MERIDIAN, PEORIA
COUNTY, ILLINOIS.

MONUMENT DESCRIPTION AND REMARKS: FOUND STONE AT EAST 1/4
SECTION 34. STONE IS 3\"/>



STATE OF ILLINOIS
COUNTY OF PEORIA SS
I, EDWARD L. STEVENS, HEREBY
CERTIFY THAT THIS DOCUMENT WAS PREPARED
UNDER MY DIRECTION IN ACCORDANCE WITH
THE PUBLIC ACT 79-649 AND THE ABOVE
DATA IS GIVEN UNDER MY HAND AND SEAL
THIS 27 DAY OF DECEMBER 1992 A. D.
EDWARD L. STEVENS
ILLINOIS REGISTERED LAND SURVEYOR NO. 2117
OR
UNITED STATES GOVERNMENT AGENCY

SPACE RESERVED FOR
RECORDING OFFICER
83-00463
JAN 11 1983
RECORDED
INDEXED
CITY OF PEORIA, ILLINOIS

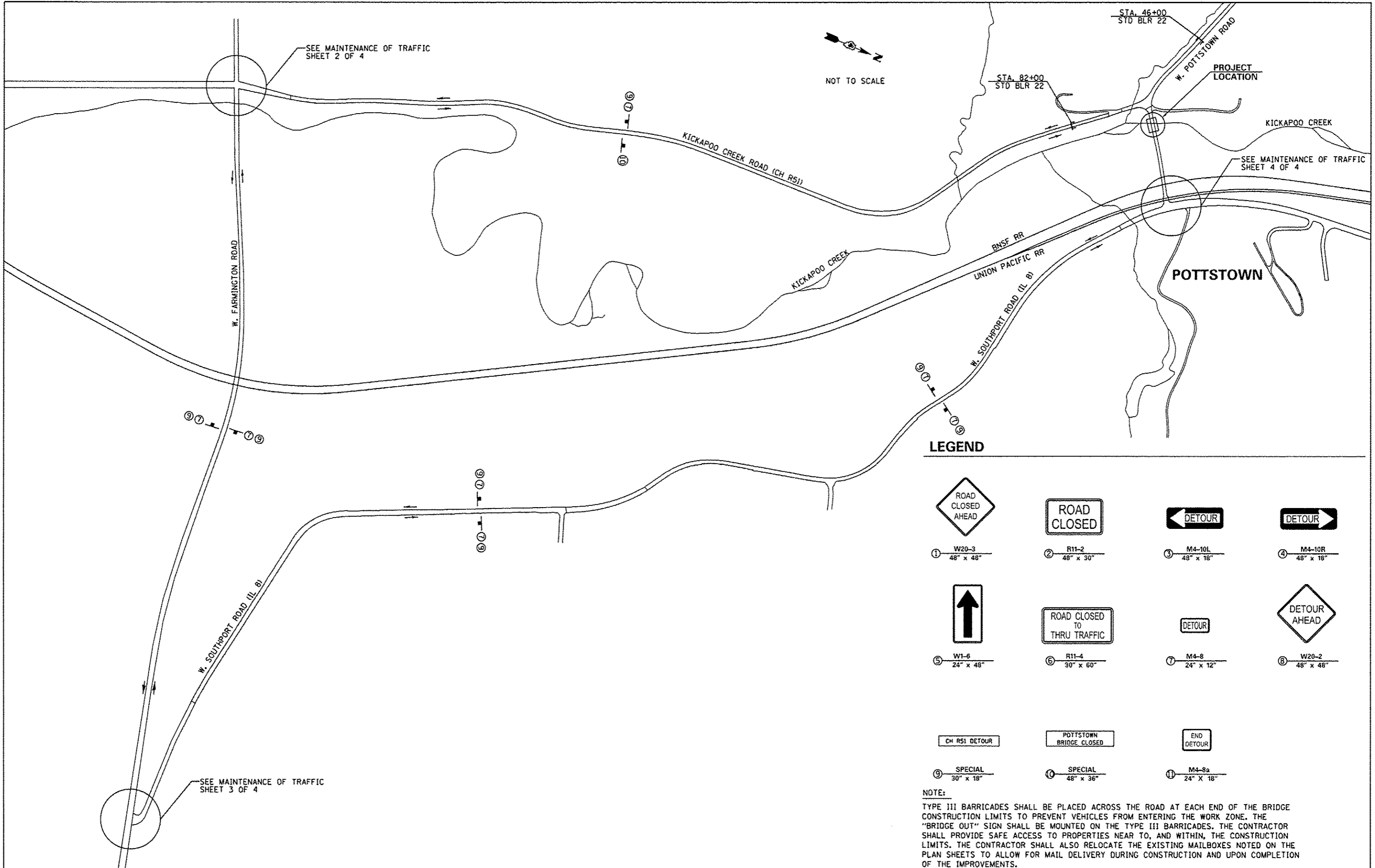
92-05417

PEORIA COUNTY HIGHWAY DEPARTMENT
PEORIA COUNTY, ILLINOIS

SECTION MONUMENTS
COUNTY HIGHWAY R51 OVER KICKAPOO CREEK
SCALE: 1" = 60'
SHEET 5 OF 5 SHEETS
STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-0009-02-BR	PEORIA	109	18
CONTRACT NO. 89643			ILLINOIS FED. AID PROJECT	

CMT CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 184-025813



LEGEND

① W20-3 48" x 48"	② R11-2 48" x 30"	③ M4-10L 48" x 18"	④ M4-10R 48" x 18"
⑤ W1-6 24" x 48"	⑥ R11-4 30" x 60"	⑦ M4-8 24" x 12"	⑧ W20-2 48" x 48"
⑨ SPECIAL 30" x 18"	⑩ SPECIAL 48" x 36"	⑪ M4-8a 24" x 18"	

NOTE:
 TYPE III BARRICADES SHALL BE PLACED ACROSS THE ROAD AT EACH END OF THE BRIDGE CONSTRUCTION LIMITS TO PREVENT VEHICLES FROM ENTERING THE WORK ZONE. THE "BRIDGE OUT" SIGN SHALL BE MOUNTED ON THE TYPE III BARRICADES. THE CONTRACTOR SHALL PROVIDE SAFE ACCESS TO PROPERTIES NEAR TO, AND WITHIN, THE CONSTRUCTION LIMITS. THE CONTRACTOR SHALL ALSO RELOCATE THE EXISTING MAILBOXES NOTED ON THE PLAN SHEETS TO ALLOW FOR MAIL DELIVERY DURING CONSTRUCTION AND UPON COMPLETION OF THE IMPROVEMENTS.

DIRECTORY USER NAME: L:\P\021553\2013\021553\CDL_Sheet1.dwg
 USER NAME: Emily Nordey

CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 LICENSE NO. 154-005913





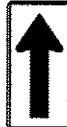



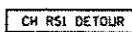
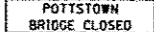

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PLOT DATE	10/21/2013	DATE	- OCTOBER 2013	REVISED	-

**PEORIA COUNTY HIGHWAY DEPARTMENT
 PEORIA COUNTY, ILLINOIS**

MAINTENANCE OF TRAFFIC COUNTY HIGHWAY R51 OVER KICKAPOO CREEK			
SCALE: NTS	SHEET 1	OF 4 SHEETS	STA. TO STA.

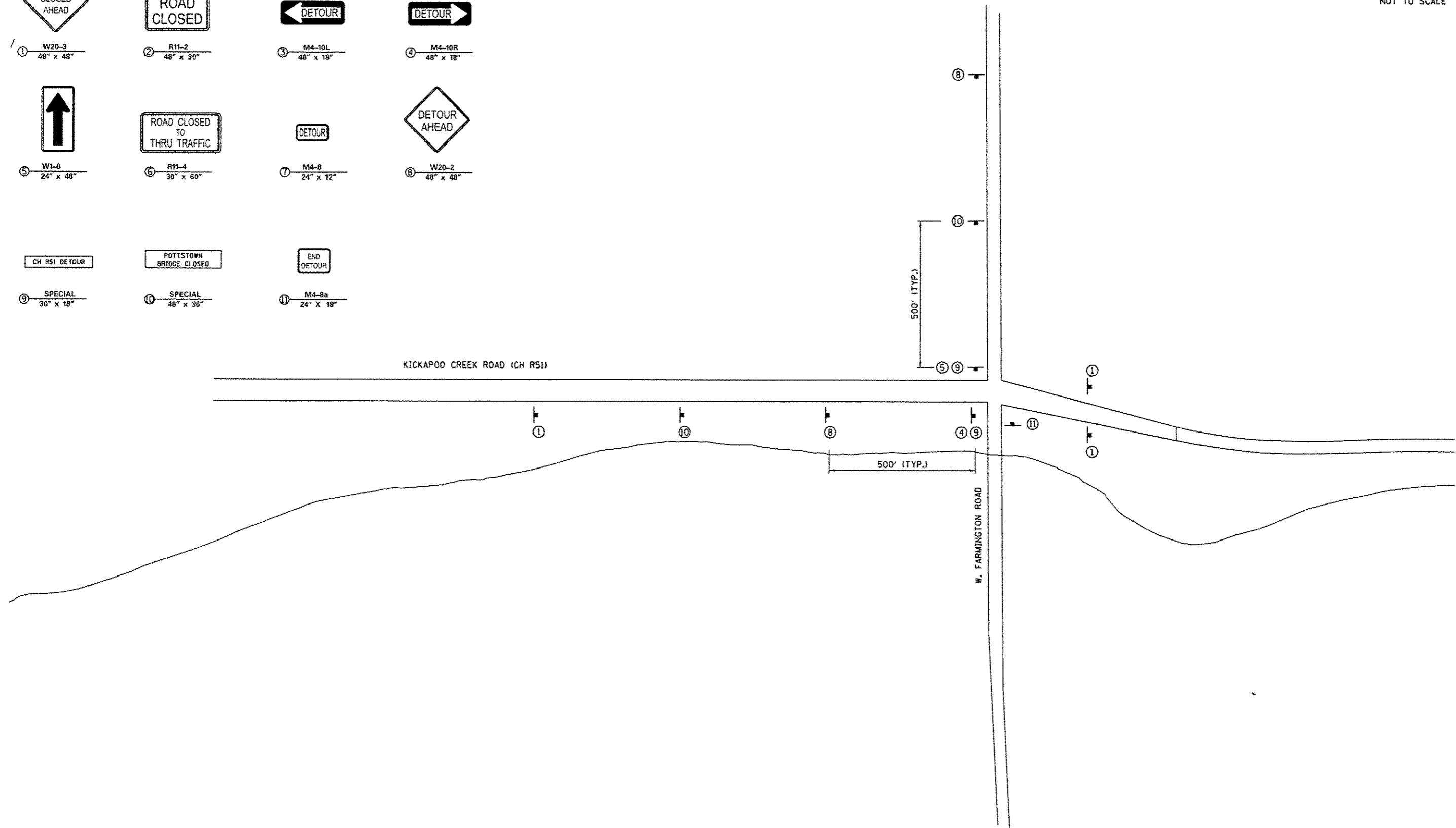
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	19
CONTRACT NO. 89643				
ILLINOIS FED. AID PROJECT				

LEGEND

 ① W20-3 48" x 48"	 ② R11-2 48" x 30"	 ③ M4-10L 48" x 18"	 ④ M4-10R 48" x 18"
 ⑤ W1-6 24" x 48"	 ⑥ R11-4 30" x 60"	 ⑦ M4-8 24" x 12"	 ⑧ W20-2 48" x 48"
 ⑨ SPECIAL 30" x 18"	 ⑩ SPECIAL 48" x 36"	 ⑪ M4-8a 24" x 18"	



NOT TO SCALE



DIRECTORY: L:\P010201\000\000\000_Sheets...
 USER NAME: Emily Murday

CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 124-020013

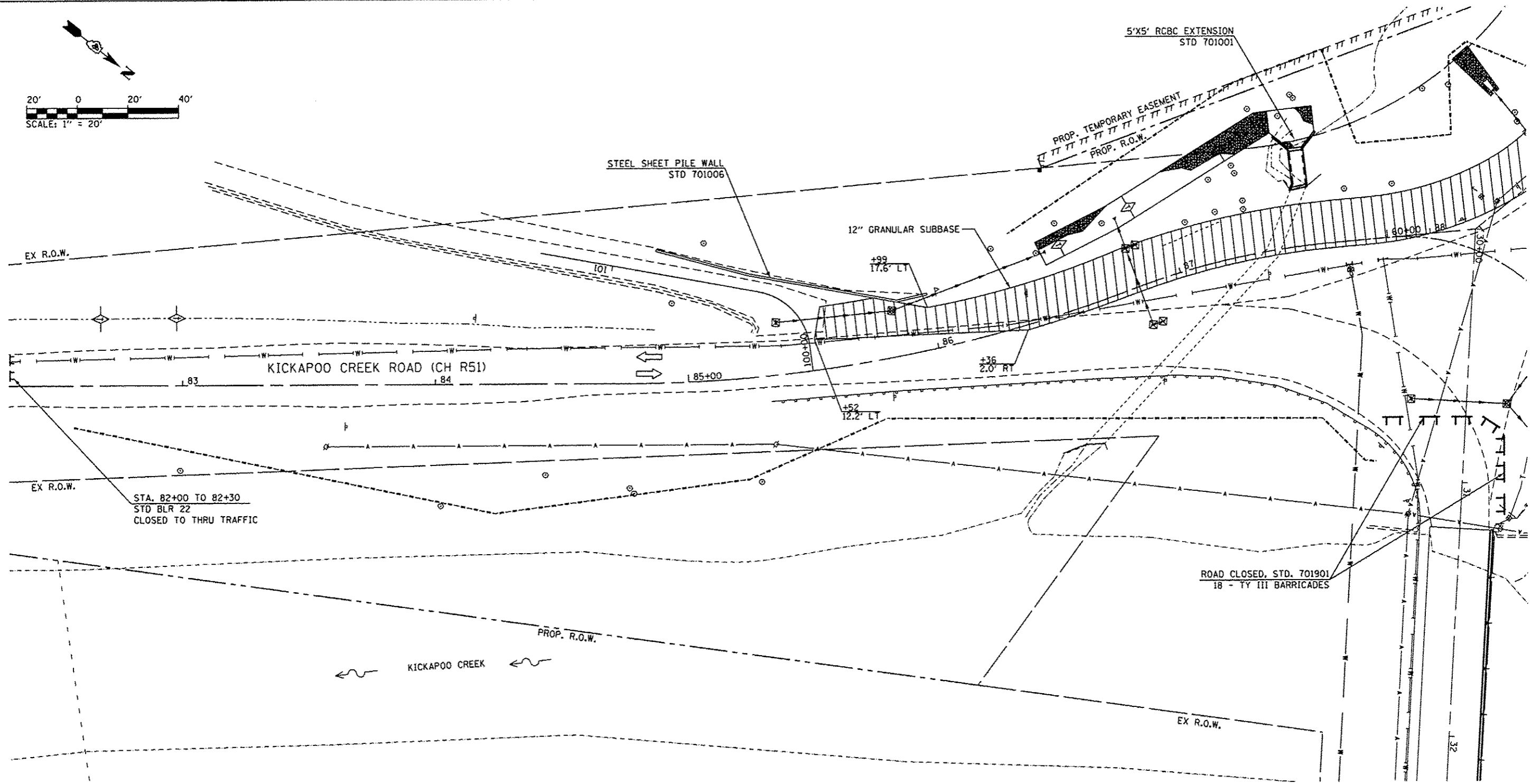
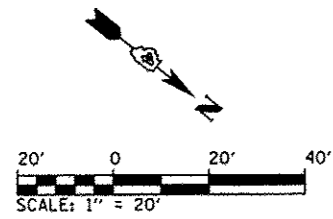
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PLOT DATE = 10/21/2013	DATE - OCTOBER 2013	REVISED -

**PEORIA COUNTY HIGHWAY DEPARTMENT
 PEORIA COUNTY, ILLINOIS**

**MAINTENANCE OF TRAFFIC
 COUNTY HIGHWAY R51 OVER KICKAPOO CREEK**

SCALE: NTS SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	20
ILLINOIS FED. AID PROJECT CONTRACT NO. 89643				



STAGE 1 WORK

- UTILITY REMOVAL AND RELOCATION (BY OTHERS)
- INSTALL TEMPORARY EROSION CONTROL MEASURES
- REMOVE EXISTING BRIDGE
- CONSTRUCT STEEL SHEET PILE RETAINING WALL
- CONSTRUCT 5'x5' RCBC EXTENSION
- CONSTRUCT STORM SEWER AND INLETS
- CONSTRUCT 12" GRANULAR SUBBASE IN WORK ZONE

- ➡ LOCAL TRAFFIC ACCESS
- ▨ WORK ZONE

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 USER NAME = Emily_Munday

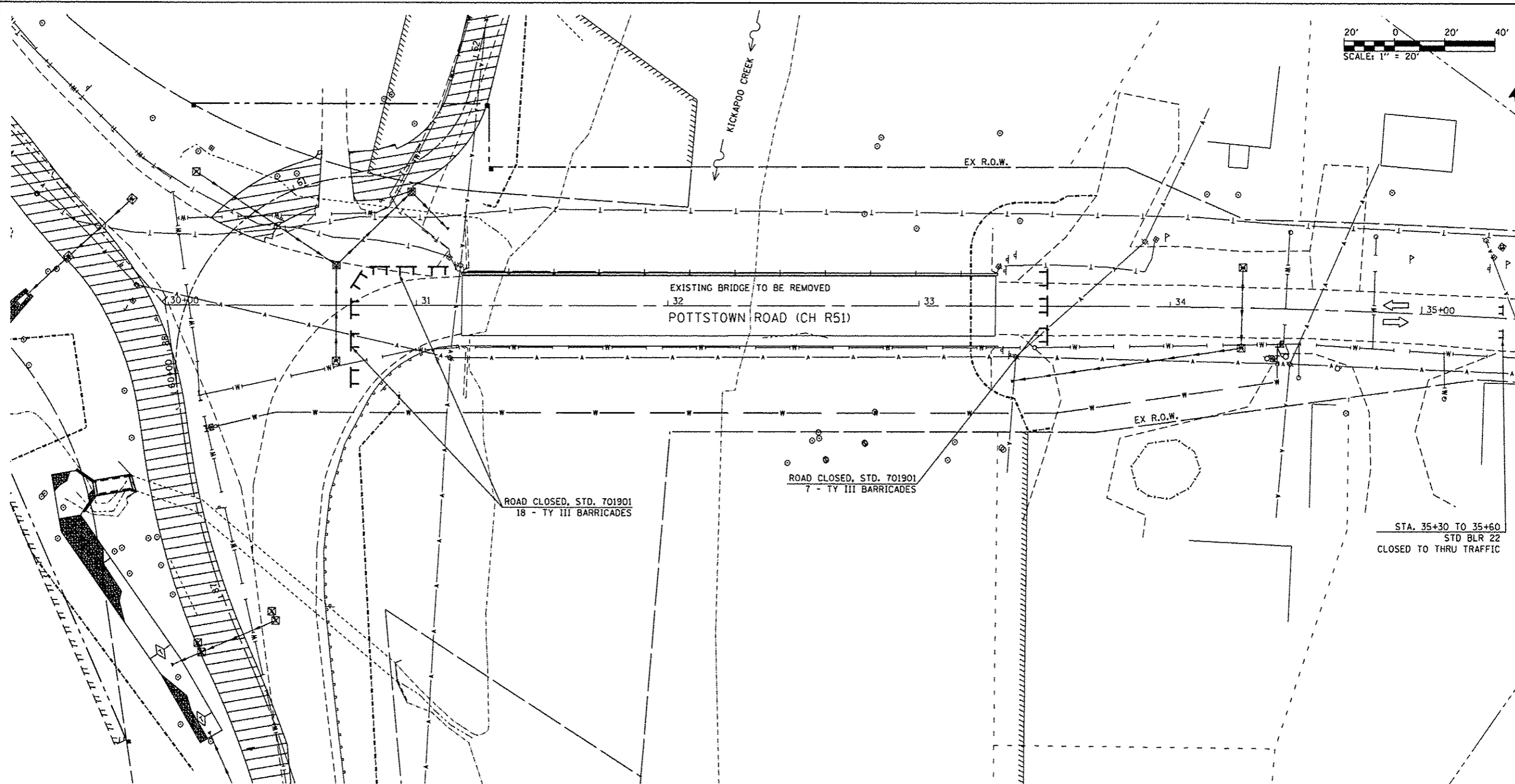
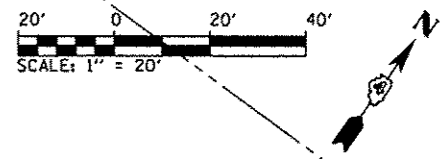


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PLOT DATE = 10/21/2013	DATE - OCTOBER 2013	REVISED -


**PEORIA COUNTY HIGHWAY DEPARTMENT
PEORIA COUNTY, ILLINOIS**

STAGE 1 CONSTRUCTION AND TRAFFIC CONTROL KICKAPOO CREEK ROAD (CH R51)	
SCALE: 1" = 20'	SHEET 1 OF 3 SHEETS
STA. 82+61.00 TO STA. 87+00.00	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	23
				CONTRACT NO. 89643
ILLINOIS FED. AID PROJECT				



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 USER: EMM
 DATE: 10/21/2013

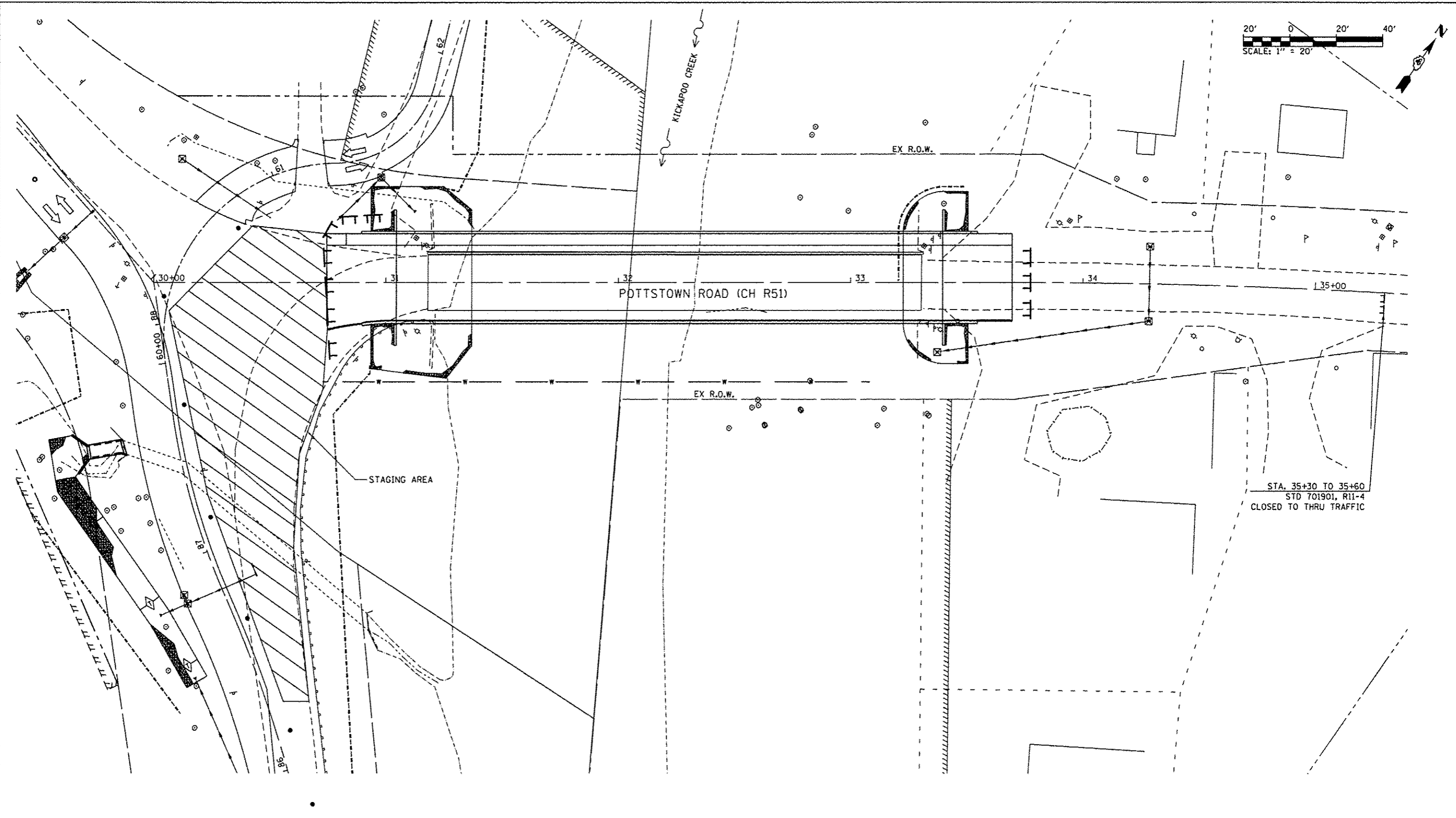
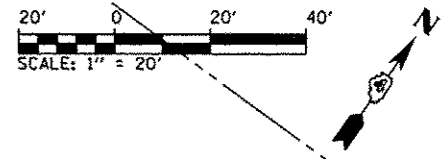

CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
License No. 124-089613

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PLOT DATE = 10/21/2013	DATE - OCTOBER 2013	REVISED -

PEORIA COUNTY HIGHWAY DEPARTMENT
PEORIA COUNTY, ILLINOIS

STAGE 1 CONSTRUCTION AND TRAFFIC CONTROL POTTSTOWN ROAD (CH R51)			
SCALE: 1" = 20'	SHEET 2 OF 3 SHEETS	STA. 30+00.00 TO STA. 35+18.32	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	24
				CONTRACT NO. 89643
ILLINOIS FED. AID PROJECT				



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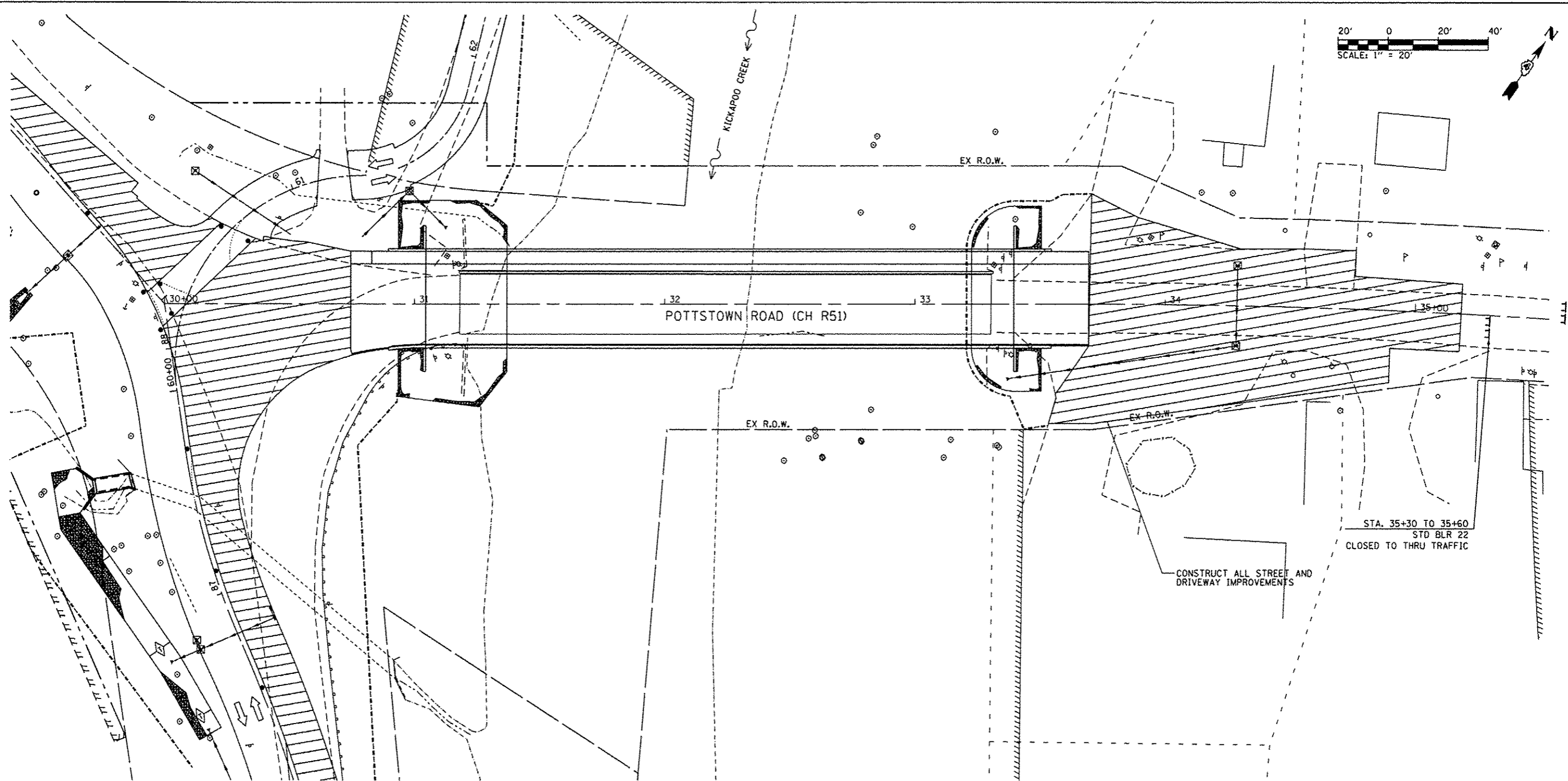
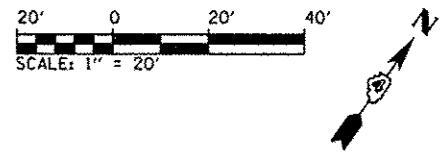

CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
License No. 124-000133

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PLOT DATE = 10/21/2013	DATE = OCTOBER 2013	REVISED =

PEORIA COUNTY HIGHWAY DEPARTMENT
PEORIA COUNTY, ILLINOIS

STAGE 2 CONSTRUCTION AND TRAFFIC CONTROL
POTTSTOWN ROAD (CH R51)
 SCALE: 1" = 20' SHEET 2 OF 3 SHEETS STA. 30+00.00 TO STA. 35+18.32

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	27
CONTRACT NO. 89643			ILLINOIS FED. AID PROJECT	



STA. 35+30 TO 35+60
STD BLR 22
CLOSED TO THRU TRAFFIC

CONSTRUCT ALL STREET AND DRIVEWAY IMPROVEMENTS

DIRECTORY: C:\projects\20130801\20130801.dwg
 USER: EMM
 DATE: 10/21/2013

CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 LICENSE NO. 184-005513

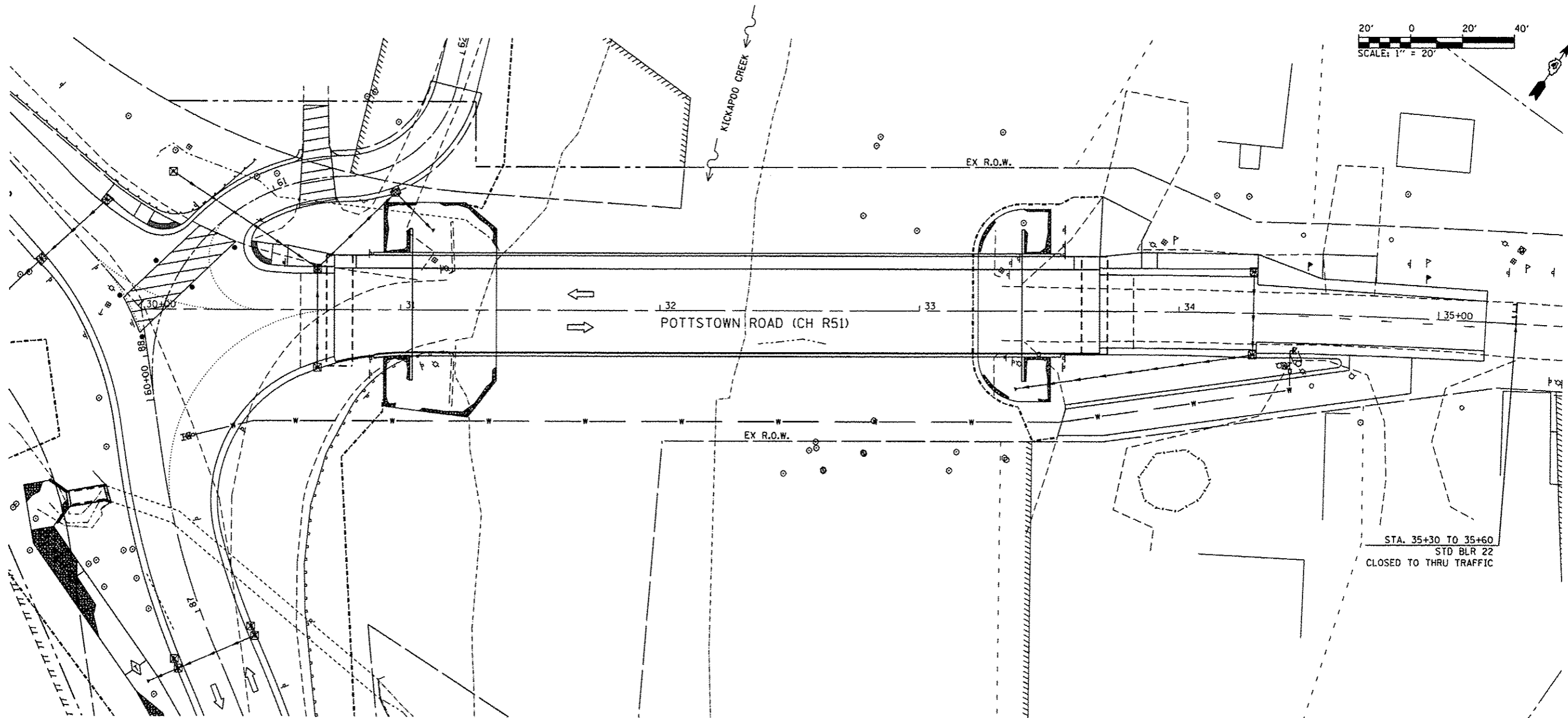
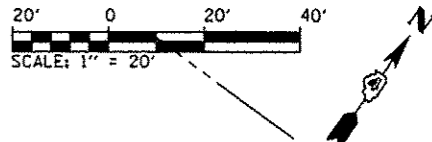
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PLOT DATE	10/21/2013	DATE	OCTOBER 2013	REVISED	-

**PEORIA COUNTY HIGHWAY DEPARTMENT
 PEORIA COUNTY, ILLINOIS**

**STAGE 3 CONSTRUCTION AND TRAFFIC CONTROL
 POTTSTOWN ROAD (CH R51)**

SCALE: 1" = 20' SHEET 2 OF 3 SHEETS STA. 30+00.00 TO STA. 35+18.32

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	30
CONTRACT NO. 89643			ILLINOIS FED. AID PROJECT	



DIRECTORY: L:\Projects\2013\11-18-13\11-18-13.dwg, 11/18/2013 11:18:13 AM
 USER: EMM

CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 1100 S. WASHINGTON ST.
 PEORIA, IL 61602

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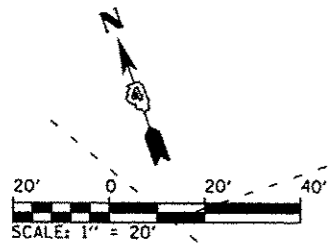
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DATE	OCTOBER 2013	REVISED	

PEORIA COUNTY HIGHWAY DEPARTMENT
PEORIA COUNTY, ILLINOIS

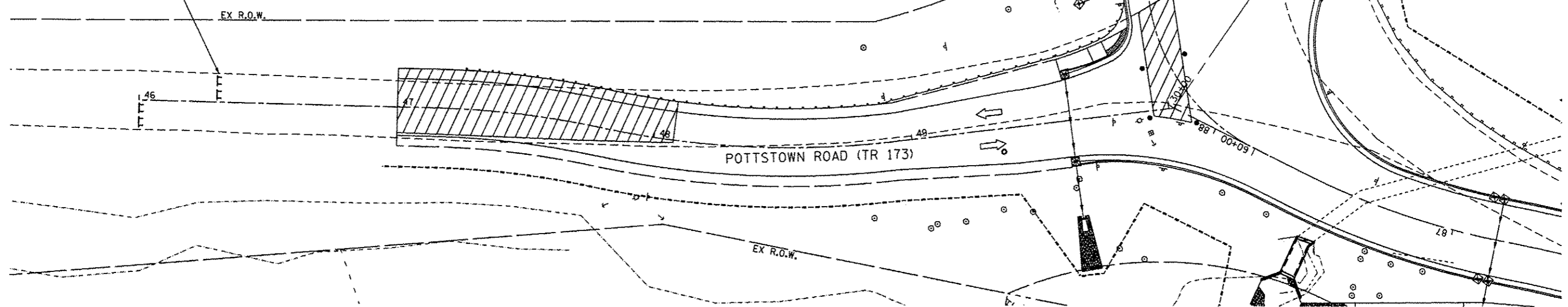
STAGE 4 CONSTRUCTION AND TRAFFIC CONTROL
POTTSTOWN ROAD (CH R51)

SCALE: 1" = 20' SHEET 2 OF 3 SHEETS STA. 30+00.00 TO STA. 35+18.32

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	1L-00009-02-BR	PEORIA	109	33
				CONTRACT NO. 89643
ILLINOIS FED. AID PROJECT				



STA. 46+00 TO 46+30
 STD BLR 22
 CLOSED TO THRU TRAFFIC



DIRECTOR: C:\p\103030303\Draw\CAD_Sheet...
 USER: NAME: Emily Handberg

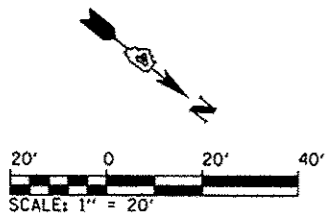
CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000513

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PLOT DATE = 10/21/2013	DATE - OCTOBER 2013	REVISED -

**PEORIA COUNTY HIGHWAY DEPARTMENT
 PEORIA COUNTY, ILLINOIS**

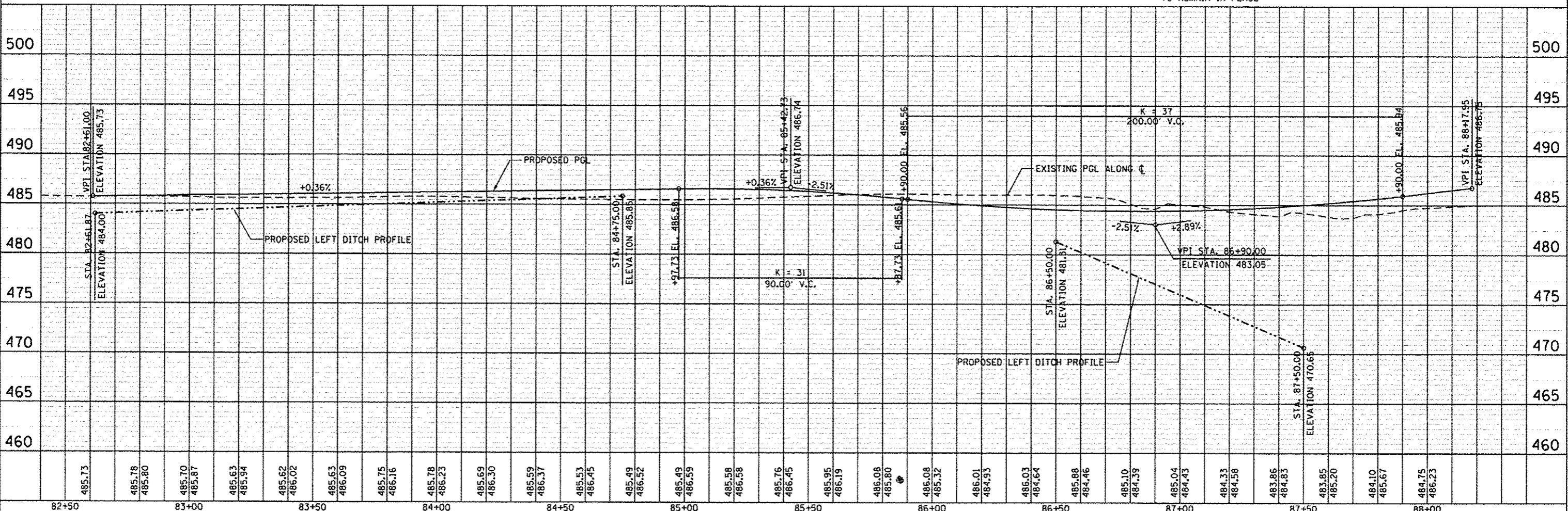
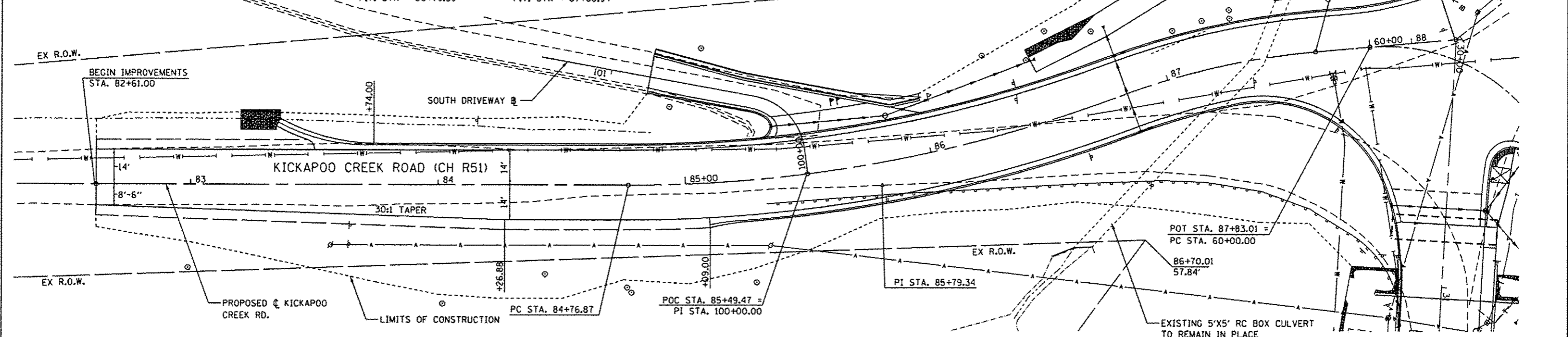
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	34
				CONTRACT NO. 89643
ILLINOIS FED. AID PROJECT				



PROP. CURVE PR_KCR-2
 P.I. STA. = 85+79.33
 $\Delta = 20^\circ 35' 40''$ (LT)
 $D = 10^\circ 09' 32''$
 $R = 564.00'$
 $T = 102.47'$
 $L = 202.72'$
 $E = 9.23'$
 $e = NC$
 P.C. STA. = 84+76.87
 P.T. STA. = 86+79.59

PROP. CURVE PR_KCR-3
 P.I. STA. = 87+20.52
 $\Delta = 15^\circ 32' 15''$ (RT)
 $D = 19^\circ 05' 55''$
 $R = 300.00'$
 $T = 40.93'$
 $L = 81.35'$
 $E = 2.78'$
 $e = NC$
 P.C. STA. = 86+79.59
 P.T. STA. = 87+60.94

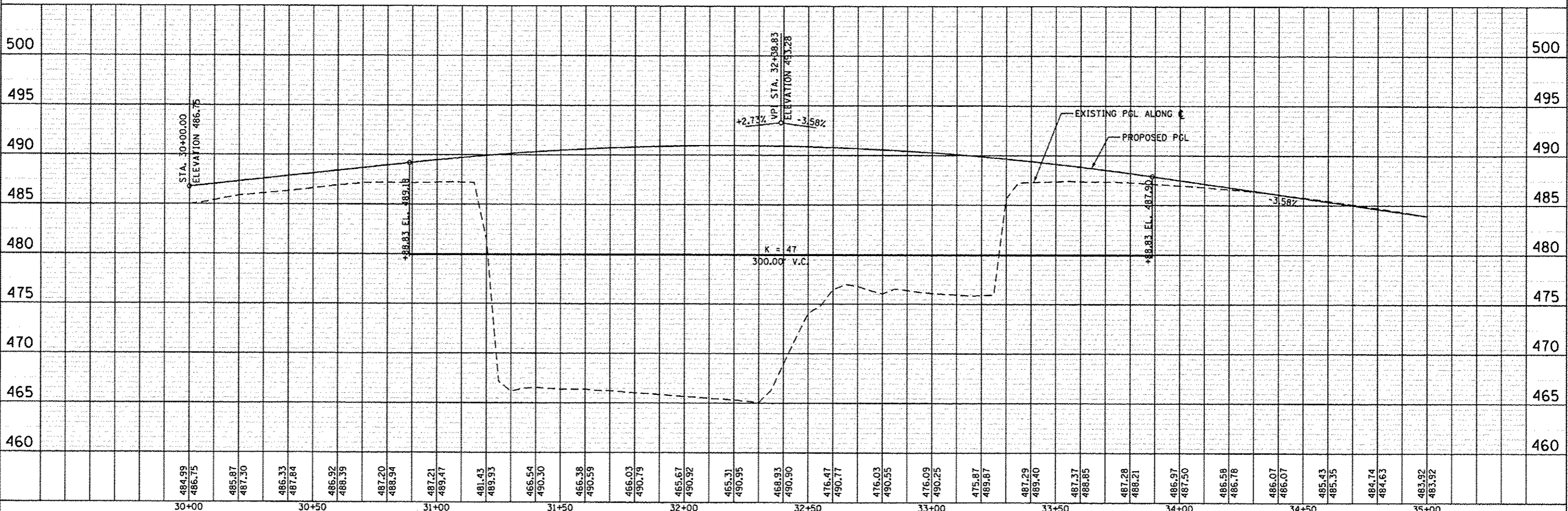
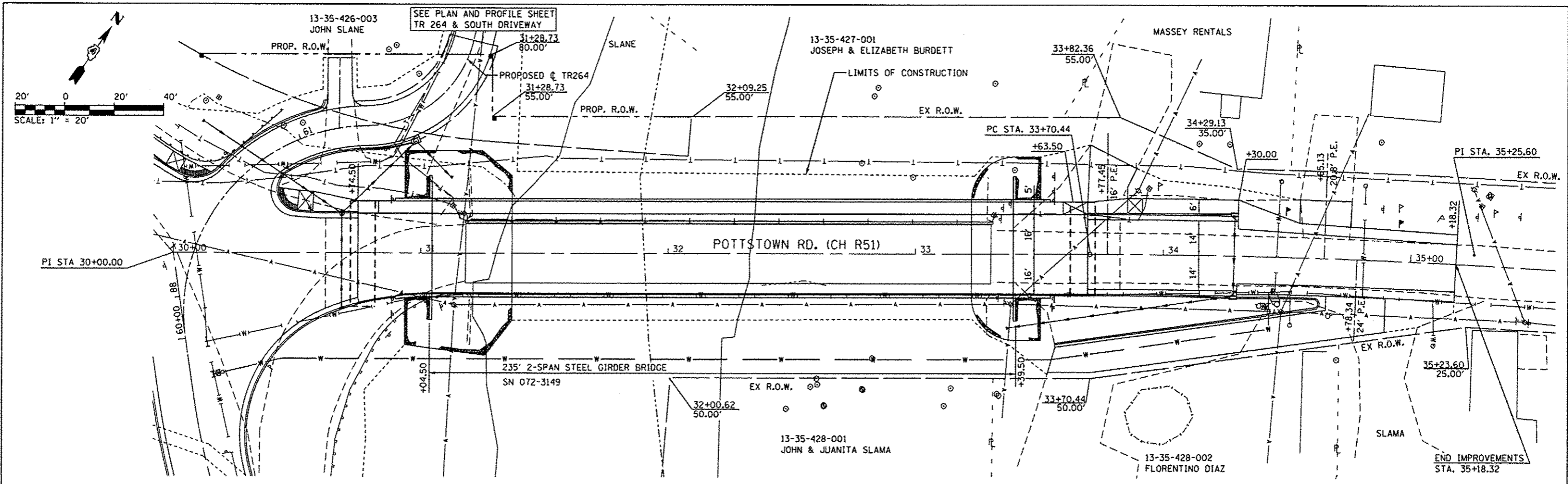


DATE	
BY	
REVISIONS	
NO.	
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REVISIONS	
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DATE	
BY	
REVISIONS	
NO.	
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BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	

DIRECTOR: L. J. ...
 DESIGNER: E. J. ...
 CHECKER: E. J. ...
 DATE: 10/21/2013

CMT CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 184-020813	MODEL NAME = Default FILE NAME = P:\P\KickapooRd.dgn PLOT SCALE = 1/8" = 1' @ 11" PLOT DATE = 10/21/2013	DESIGNED - EMM DRAWN - EMM CHECKED - EJM DATE - OCTOBER 2013	REVISED - REVISED - REVISED - REVISED -	PEORIA COUNTY HIGHWAY DEPARTMENT PEORIA COUNTY, ILLINOIS	PLAN AND PROFILE KICKAPOO CREEK ROAD (CH R51)	F.A.U. RTE. = 6576 SECTION = 11-0009-02-BR COUNTY = PEORIA TOTAL SHEETS = 109 SHEET NO. = 35 CONTRACT NO. = 89643	SCALE: 1" = 20' SHEET 1 OF 4 SHEETS STA. 82+61.00 TO STA. 87+00.00	ILLINOIS FED. AID PROJECT
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DATE	
BY	
REVISION	
NO.	
DESCRIPTION	
DATE	
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REVISION	
NO.	
DESCRIPTION	
DATE	
BY	
REVISION	
NO.	
DESCRIPTION	

DATE	
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REVISION	
NO.	
DESCRIPTION	
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REVISION	
NO.	
DESCRIPTION	

DIRECTOR: LINDA D. HARRIS
 PEORIA COUNTY HIGHWAY DEPARTMENT
 PEORIA, ILLINOIS

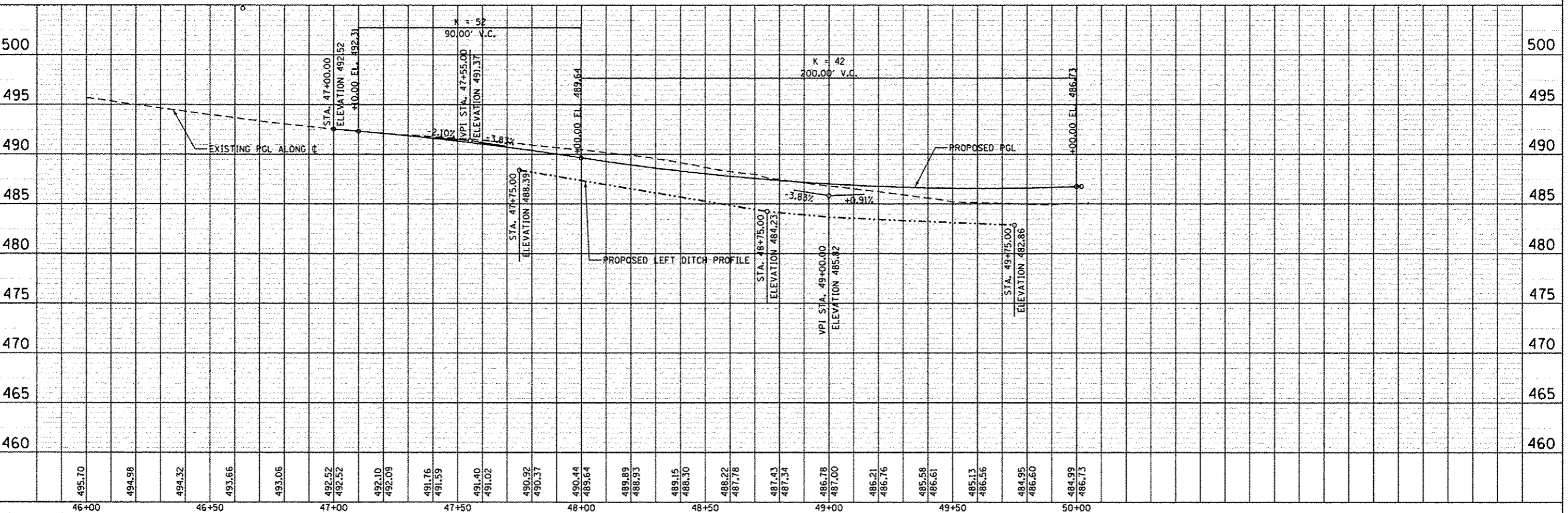
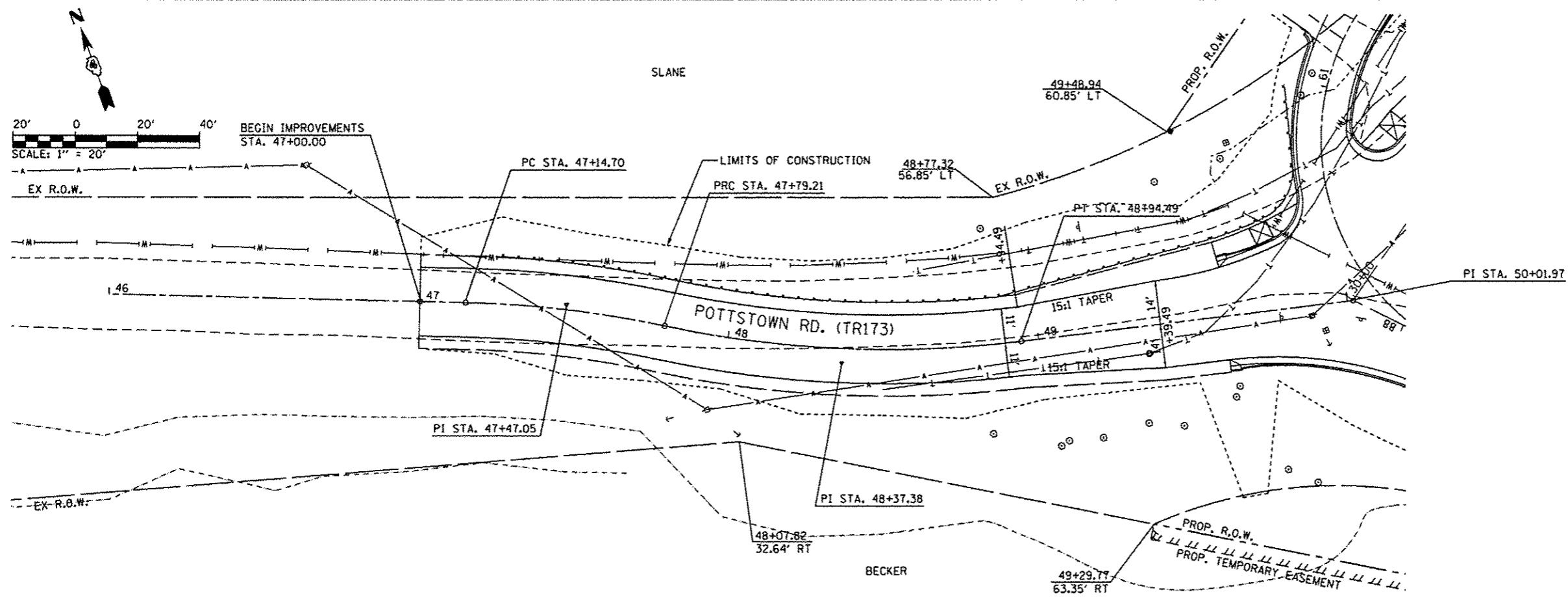
CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 LICENSE NO. 184-000513

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PEORIA COUNTY HIGHWAY DEPARTMENT
PEORIA COUNTY, ILLINOIS

PLAN AND PROFILE
POTTSTOWN ROAD (CH R51)
 SCALE: 1" = 20' SHEET 2 OF 4 SHEETS STA. 30+00.00 TO STA. 35+18.32

F.A.I. RTE. 6576	SECTION 11-00009-02-BR	COUNTY PEORIA	TOTAL SHEETS 109	SHEET NO. 36
CONTRACT NO. 89643			ILLINOIS FED. AID PROJECT	



DATE	
BY	
REVISION	
NO.	
DATE	
BY	
REVISION	
NO.	

DATE	
BY	
REVISION	
NO.	
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CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-999813

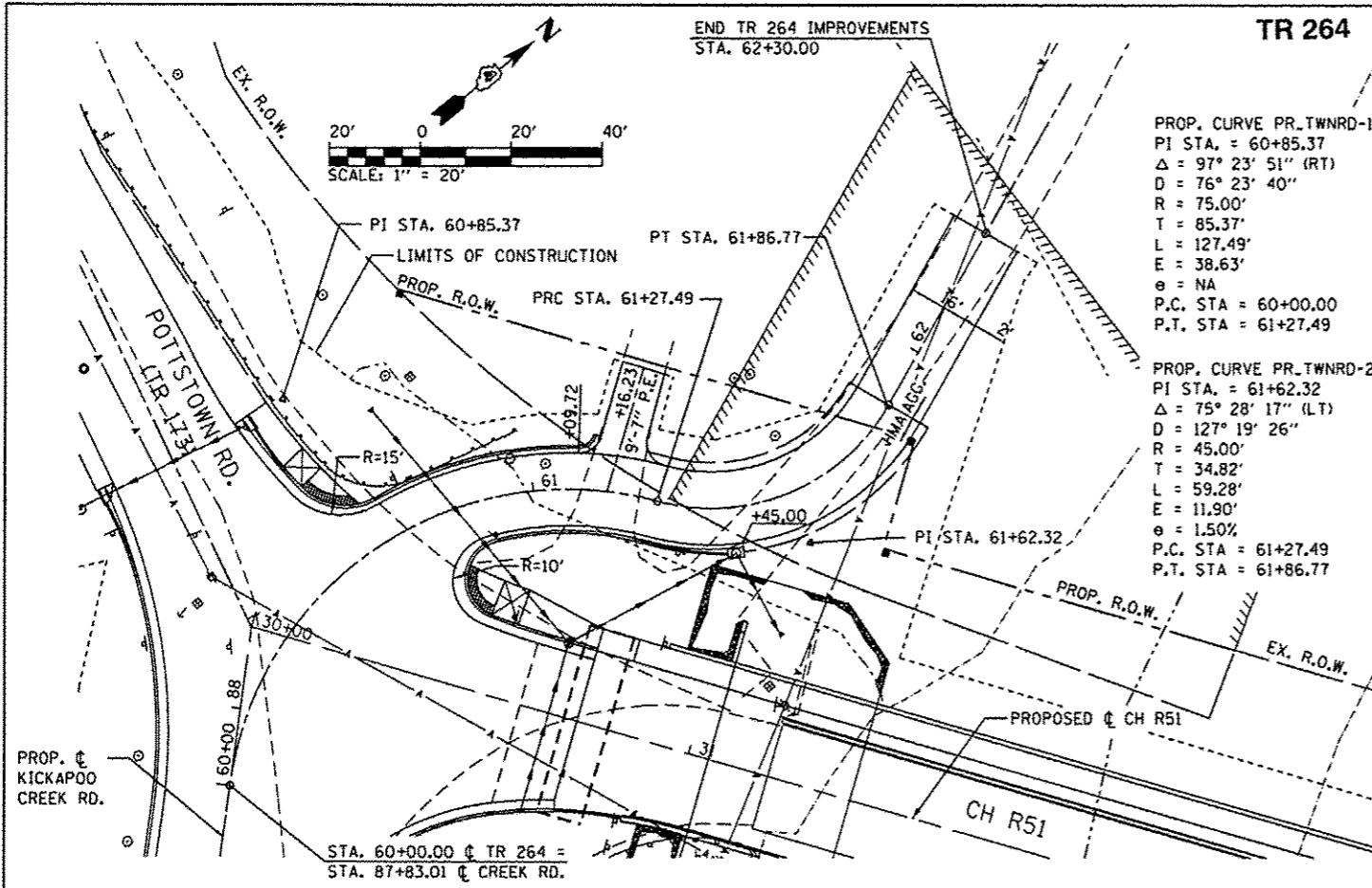
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PEORIA COUNTY HIGHWAY DEPARTMENT
PEORIA COUNTY, ILLINOIS

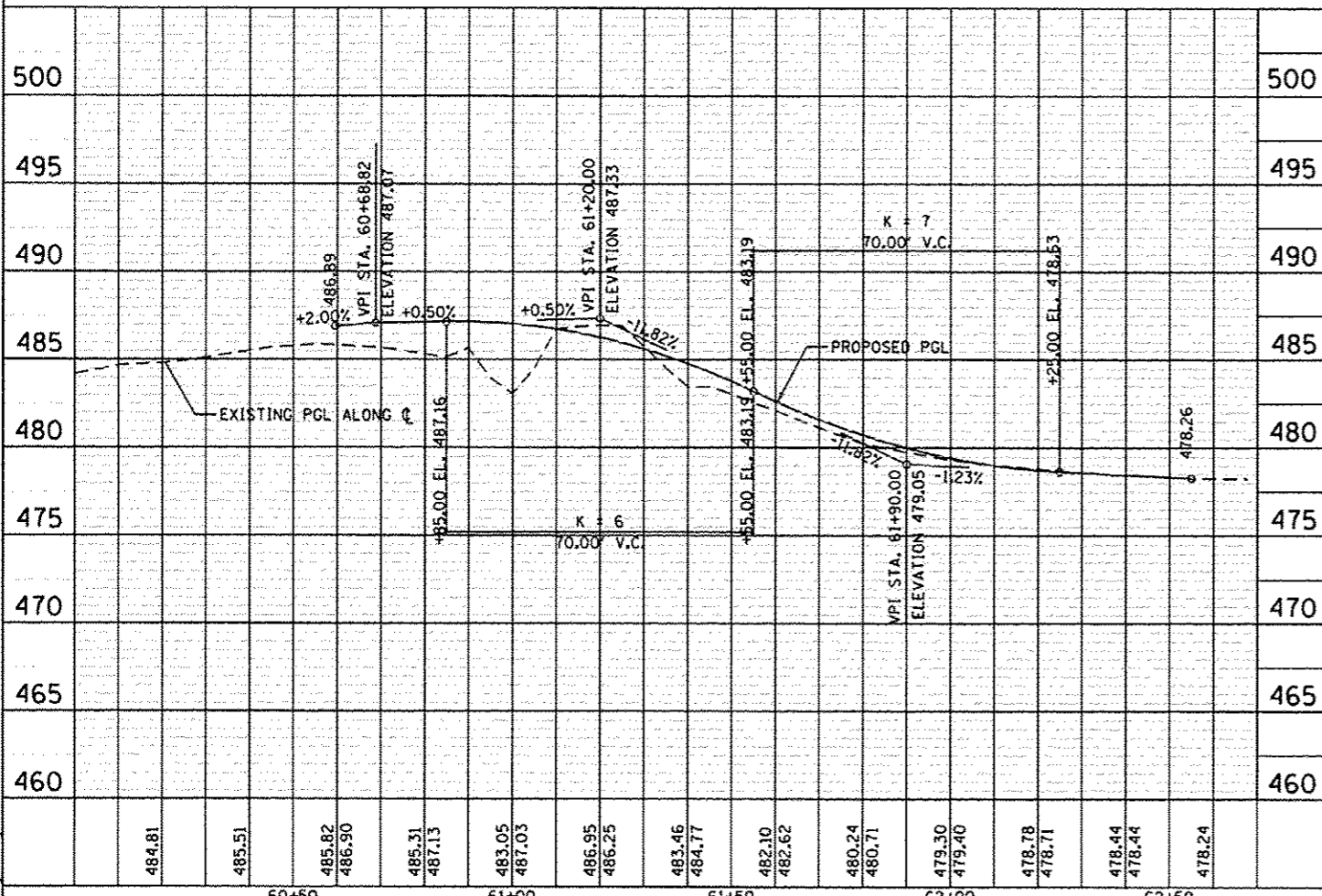
SCALE: 1" = 20'	SHEET 3 OF 4 SHEETS	STA. 47+00.00 TO STA. 50+01.97
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	37
CONTRACT NO. 89643			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
	PLOTTED	
	NOTED	
	REVISIONS	
	NO. DATE	

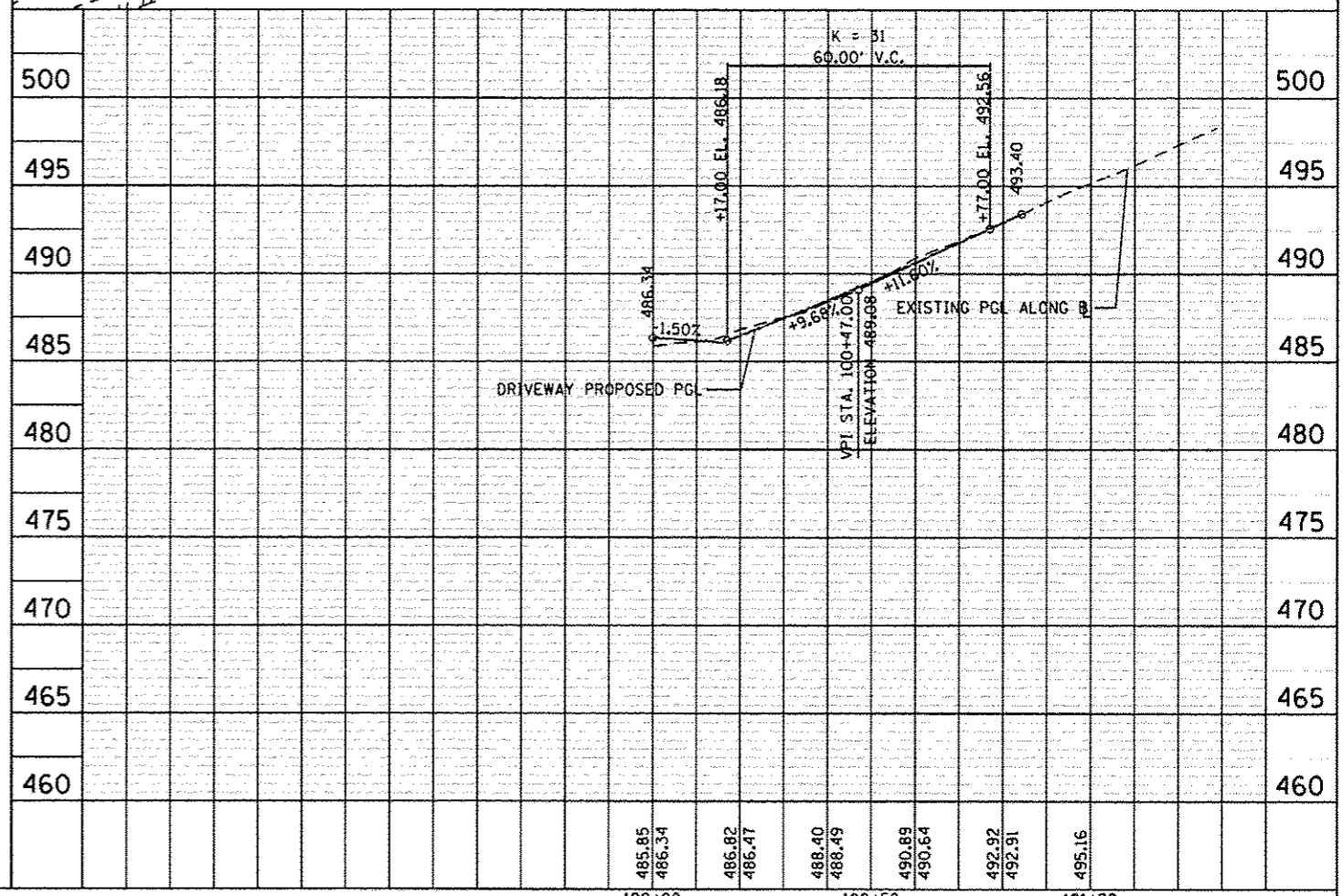
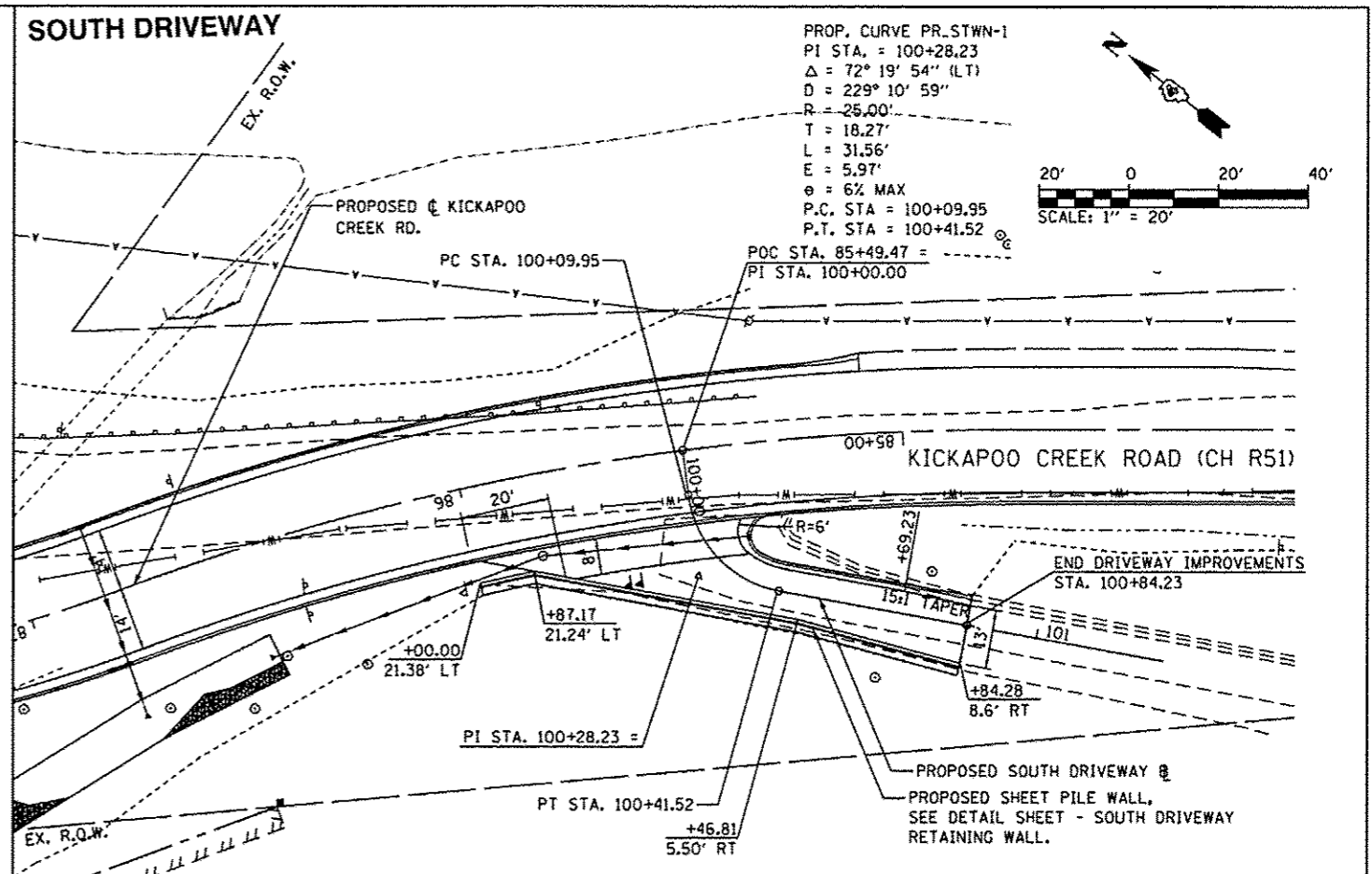


PROFILE	SURVEYED	DATE
	PLOTTED	
	NOTED	
	REVISIONS	
	NO. DATE	



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PLOT DATE = 10/21/2013	DATE - OCTOBER 2013	REVISED -



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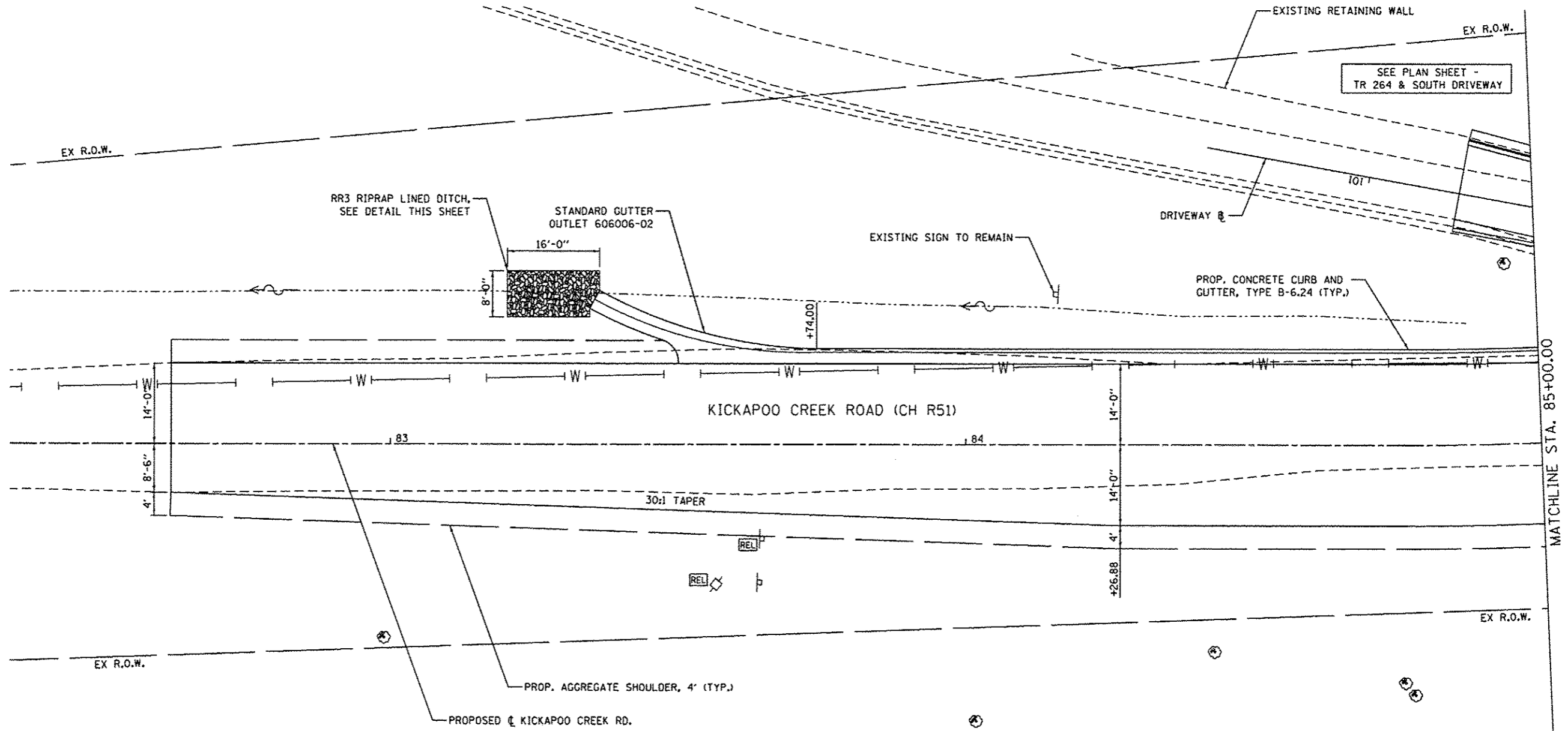
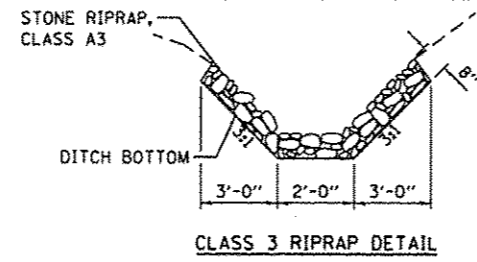
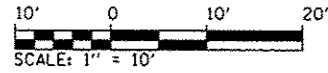
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PLOT DATE = 10/21/2013	DATE - OCTOBER 2013	REVISED -

PEORIA COUNTY HIGHWAY DEPARTMENT
PEORIA COUNTY, ILLINOIS

PLAN AND PROFILE
TR 264 & SOUTH DRIVEWAY

F.A.U. RTE. 657G	SECTION 11-00003-02-BR	COUNTY PEORIA	TOTAL SHEETS 109	SHEET NO. 38
CONTRACT NO. 89643			ILLINOIS FED. AID PROJECT	

DIRECTOR: [Name]
 USER: [Name]
 FILE: [Name]



DIRECTORY: E:\P\CH\2013\02\02\Draw-CAD\Draw...
 USER NAME: Emily.Plundney

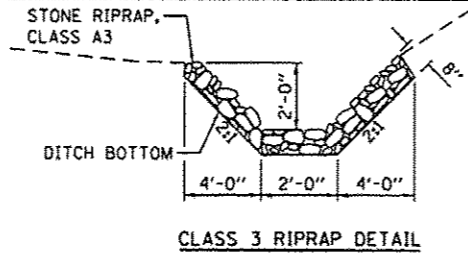
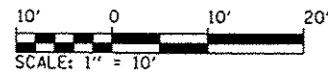
CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 124-000913

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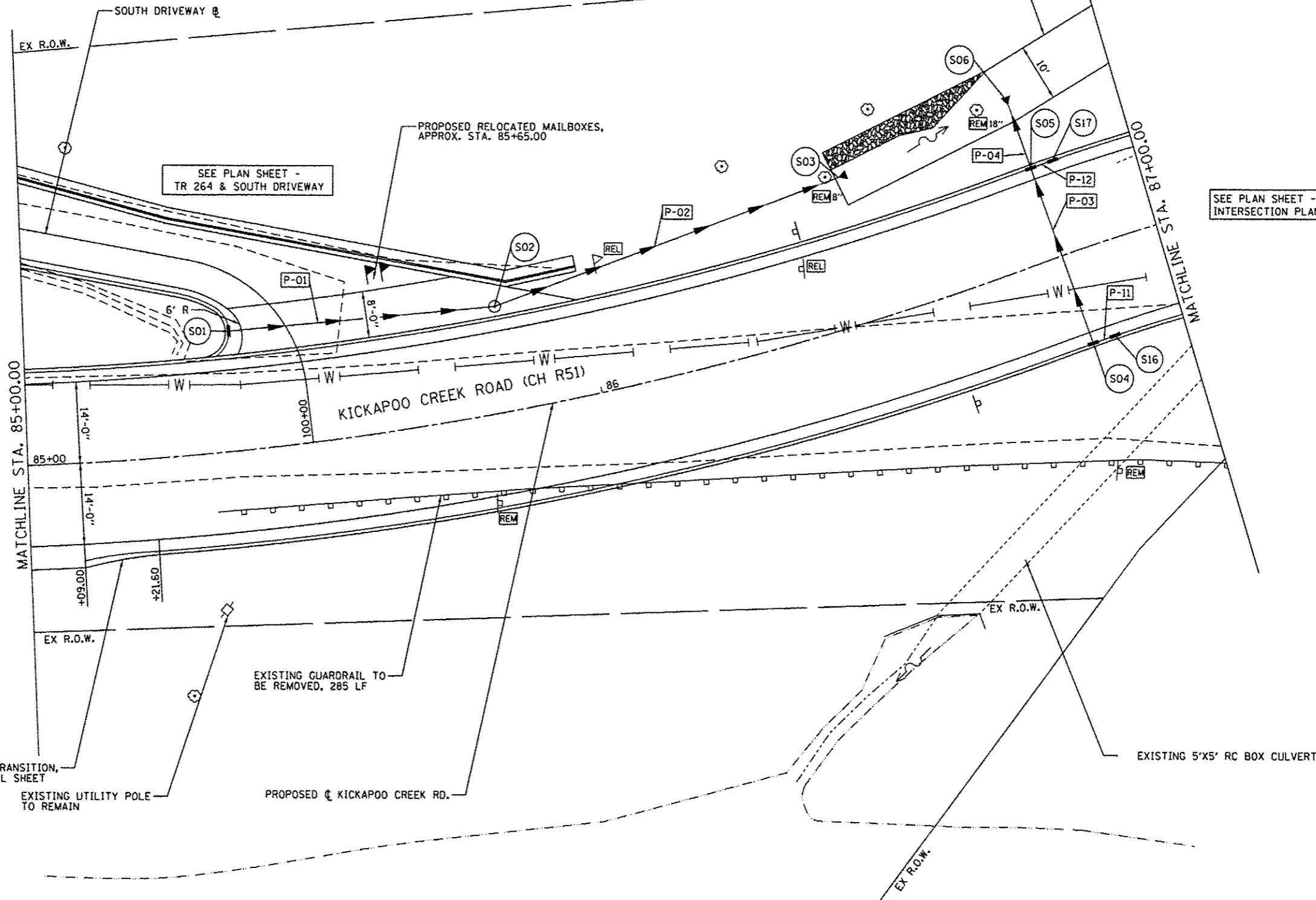
PEORIA COUNTY HIGHWAY DEPARTMENT
 PEORIA COUNTY, ILLINOIS

PLAN SHEET	
KICKAPOO CREEK ROAD (CH R51)	
SCALE: 1" = 10'	SHEET 1 OF 7 SHEETS STA. 82+61.00 TO STA. 85+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	39
CONTRACT NO. 89643				
ILLINOIS FED. AID PROJECT				



RR3 RIPRAP LINED CHANNEL.
SEE DETAIL THIS SHEET.



- S01 INLET, TYPE A
W/ TYPE 1 FRAME, OPEN LID
STA. 100+31, 5.6' LT
RIM ELEV. = 486.78
INV. ELEV. = 483.78
- S02 INLET, TYPE B
W/ TYPE 1 FRAME, OPEN LID
STA. 85+85, 18.2' LT
RIM ELEV. = 485.45
INV. ELEV. = 482.86
- S03 PRECAST REINFORCED
CONCRETE FES, 12"
STA. 86+50, 25.3' LT
INV. ELEV. = 481.30
- S04 INLET, TYPE B
W/ TYPE 3 F&G
STA. 86+83, 16.0' RT
RIM ELEV. = 484.18
INV. ELEV. (W)= 478.44
INV. ELEV. (N)= 480.12
- S05 INLET, TYPE B
W/ TYPE 3 F&G
STA. 86+83, 16.0' LT
RIM ELEV. = 484.18
INV. ELEV. (W)= 478.12
INV. ELEV. (N)= 480.12
- S06 PRECAST REINFORCED
CONCRETE FES, 12"
STA. 86+82, 27.5' RT
INV. ELEV. = 478.00
- S16 INLET, TYPE B
W/ TYPE 3 F&G
STA. 86+87, 16.0' RT
RIM ELEV. = 484.18
INV. ELEV. = 480.48
- S17 INLET, TYPE B
W/ TYPE 3 F&G
STA. 86+87, 16.0' LT
RIM ELEV. = 484.18
INV. ELEV. = 480.16

- P-01 STORM SEWER, CL A TY 2, 12"
46 LF @ 2.0%
- P-02 STORM SEWER, CL A TY 2, 12"
63 LF @ 2.5%
- P-03 STORM SEWER, CL A TY 2, 12"
32 LF @ 1.0%
- P-04 STORM SEWER, CL A TY 2, 12"
12 LF @ 1.0%
- P-11 STORM SEWER, CL A TY 2, 12"
4 LF @ 1.0%
- P-12 STORM SEWER, CL A TY 2, 12"
4 LF @ 1.0%

DIRECTOR: [Name] USER: [Name]

CMT
CRAWFORD, MURPHY & TILLY, INC.
CONSULTING ENGINEERS
LIC. No. 184-000813

MODEL NAME = Detail	DESIGNED - EWM	REVISED -
FILE NAME = Plan_KickapooRd_02.dgn	DRAWN - AWH	REVISED -
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PLOT DATE = 10/21/2013	DATE - OCTOBER 2013	REVISED -

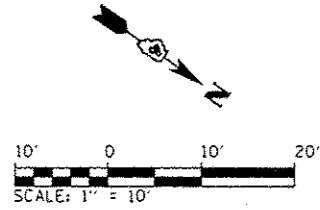
PEORIA COUNTY HIGHWAY DEPARTMENT
PEORIA COUNTY, ILLINOIS

PLAN SHEET
KICKAPOO CREEK ROAD (CH R51)

SCALE: 1" = 10' SHEET 2 OF 7 SHEETS STA. 85+00.00 TO STA. 87+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	40
			CONTRACT NO. 89643	

ILLINOIS FED. AID PROJECT



RR3 RIPRAP LINED CHANNEL. SEE PLAN SHEET 2 OF 7 FOR DETAIL.

SEE STRUCTURAL SHEETS FOR CULVERT EXTENSION DETAILS.

RR4 RIPRAP CULVERT ENTRANCE. SEE DETAIL THIS SHEET.

STANDARD 606006-02, TYPE 2 OUTLET (MODIFIED)

POT STA. 50+01.97 (POTTSTOWN RD. (TR 173)) =
 POT STA. 30+00.00 (POTTSTOWN RD. (CH R51)) =
 POT STA. 88+17.95 (KICKAPOO CREEK RD. (CH R51))

EXIST. PIPE CULVERT TO BE REMOVED, 18" (24 LF)

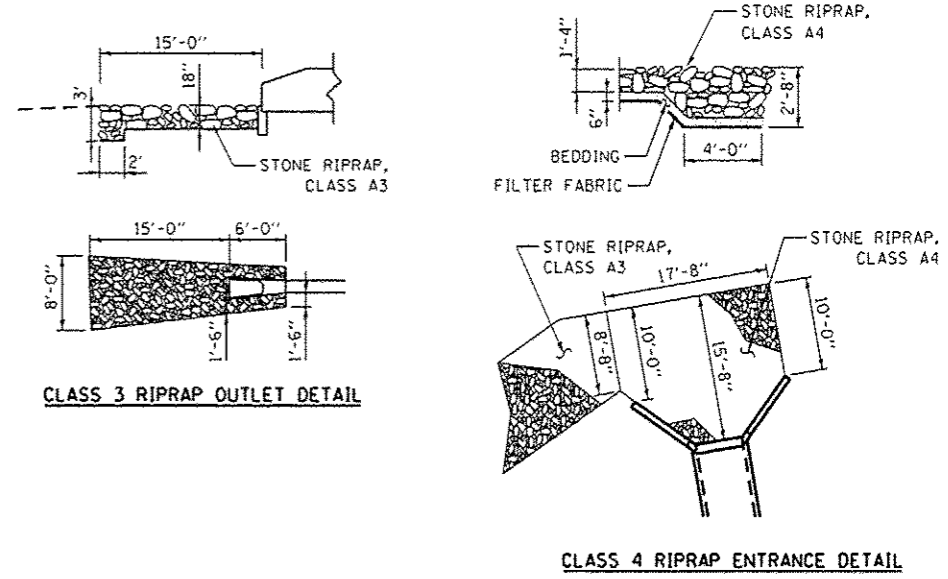
BEGIN BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE) STA. 30+61.50

PROP. CONCRETE CURB AND GUTTER, TYPE B-6.24 (TYP.)

EXISTING GUARDRAIL TO BE REMOVED

RELOCATED WATER MAIN BY OTHERS

RR3 RIPRAP OUTLET SEE DETAIL THIS SHEET



CLASS 3 RIPRAP OUTLET DETAIL

CLASS 4 RIPRAP ENTRANCE DETAIL

PROP. STEEL PLATE GUARDRAIL, TYPE A, 9' POSTS
 PROP. AGGREGATE SHOULDER, WIDTH VARIES

STANDARD 606006-02, TYPE 2 OUTLET (MODIFIED)

PROP. STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS), 17' R
 49+48.94
 60.85' LT

PROP. TRAFFIC BARRIER TERMINAL, TYPE 1

MATCHLINE STA. 61+00.00

SEE PLAN SHEET - TR 264 & SOUTH DRIVEWAY

MATCHLINE STA. 31+00.00

- (S07) INLET, TYPE B
 W/ TYPE 11 F&G
 STA. 49+61, 18.0' LT
 RIM ELEV. = 485.86
 INV. ELEV. = 481.90
- (S08) INLET, TYPE B
 W/ TYPE 11 F&G
 STA. 49+62, 16.0' RT
 RIM ELEV. = 486.01
 INV. ELEV. = 479.55
- (S09) PRECAST REINFORCED CONCRETE FES, 12"
 STA. 49+62, 37.2' RT
 INV. ELEV. = 479.34
- (S10) PRECAST REINFORCED CONCRETE FES, 24"
 STA. 60+75, 26.0' LT
 INV. ELEV. = 482.84
- (S18) INLET, TYPE B
 W/ TYPE 3 F&G
 STA. 30+68, 22.0' RT
 RIM ELEV. = 488.13
 INV. ELEV. = 482.56
- (S19) MANHOLE, TYPE A, 5' DIA.
 W/ TYPE 3 F&G
 STA. 30+68, 16.0' LT
 RIM ELEV. = 488.42
 INV. ELEV. (IN) = 480.33
 INV. ELEV. (SE) = 482.18
 INV. ELEV. (SW) = 482.18

- (P-05) STORM SEWER, CL A TY 2, 12"
 34 LF @ 1.0%
- (P-06) STORM SEWER, CL A TY 2, 12"
 21 LF @ 1.0%
- (P-07) STORM SEWER, CL A TY 2, 24"
 66 LF @ 1.0%
- (P-13) STORM SEWER, CL A TY 2, 12"
 38 LF @ 1.0%

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 DATE: 11/25/2013

CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 LICENSE NO. 184-201413

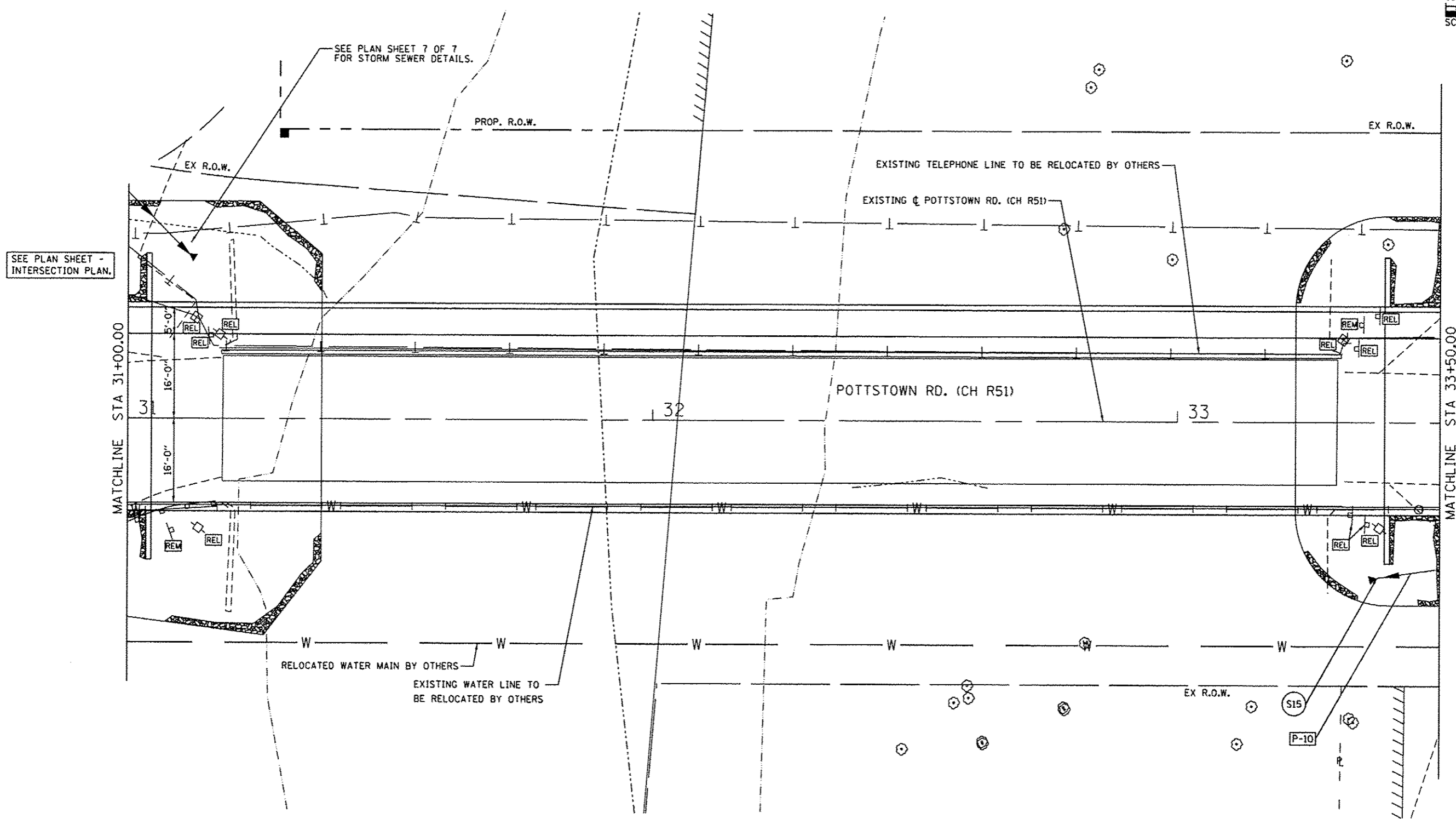
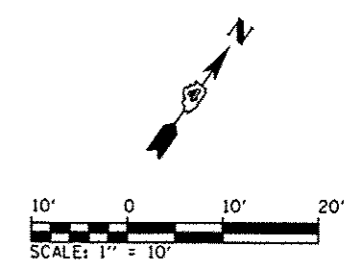
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PLOT DATE: 11/25/2013	DATE: OCTOBER 2013	REVISED:

**PEORIA COUNTY HIGHWAY DEPARTMENT
 PEORIA COUNTY, ILLINOIS**

**PLAN SHEET
 INTERSECTION PLAN**

SCALE: 1" = 10' SHEET 3 OF 7 SHEETS STA. TO STA.

F.A.D. R/E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	41
CONTRACT NO. 89643				
ILLINOIS FED. AID PROJECT				



SEE PLAN SHEET - INTERSECTION PLAN.

SEE PLAN SHEET 7 OF 7 FOR STORM SEWER DETAILS.

- (S15) PRECAST REINFORCED CONCRETE FES, 12" STA. 33+38, 29.5' RT INV. ELEV. = 483.44
- (P-10) STORM SEWER, CL A TY 1, 12" 91 LF @ 0.43%

DIRECTORY USER NAME = Early_Munday
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CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-068613

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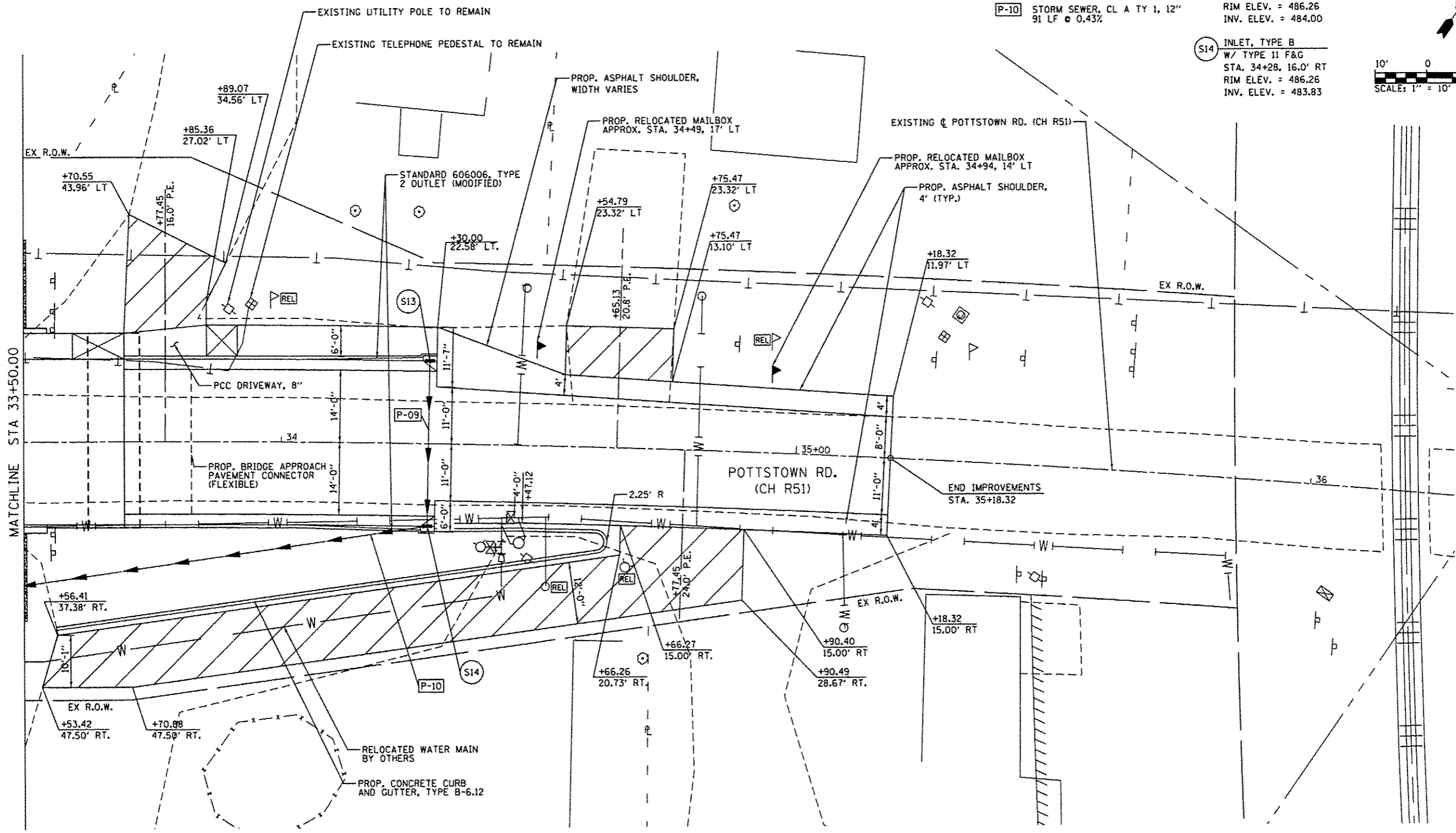
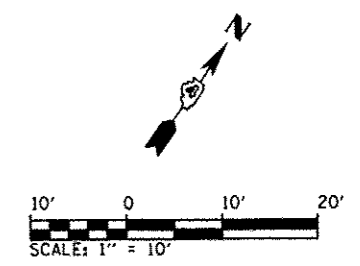
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DRAWN - AWH	REVISED -
CHECKED - EJM	REVISED -
DATE - OCTOBER 2013	REVISED -

**PEORIA COUNTY HIGHWAY DEPARTMENT
 PEORIA COUNTY, ILLINOIS**

PLAN SHEET	
POTTSTOWN ROAD (CH R51)	
SCALE: 1" = 10'	SHEET 4 OF 7 SHEETS
STA. 31+00.00 TO STA. 33+50.00	

P.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	42
CONTRACT NO. 89643				
(ILLINOIS) FED. AID PROJECT				

- P-09** STORM SEWER, CL A TY 1, 12"
32 LF @ 0.53%
- P-10** STORM SEWER, CL A TY 1, 12"
91 LF @ 0.43%
- S13** INLET, TYPE A
W/ TYPE II F&G
STA. 34+28, 16.0' LT
RIM ELEV. = 486.26
INV. ELEV. = 484.00
- S14** INLET, TYPE B
W/ TYPE II F&G
STA. 34+28, 16.0' RT
RIM ELEV. = 486.26
INV. ELEV. = 483.83



PROPOSED DRIVEWAY, AGGREGATE SURFACE COURSE, TYPE B, 8" ON PREPARED SUBGRADE

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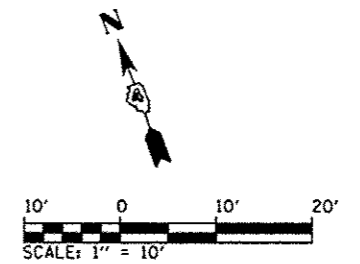
CMT
CRAWFORD, MURPHY & TILLY, INC.
CONSULTING ENGINEERS
License No. 184-005813

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PLOT DATE = 10/21/2013	DATE - OCTOBER 2013	REVISED -

**PEORIA COUNTY HIGHWAY DEPARTMENT
PEORIA COUNTY, ILLINOIS**

**PLAN SHEET
POTTSTOWN ROAD (CH R51)**
SCALE: 1" = 10' SHEET 5 OF 7 SHEETS STA. 31+00.00 TO STA. 33+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	43
CONTRACT NO. 89643				
ILLINOIS FED. AID PROJECT				



BEGIN IMPROVEMENTS
STA. 47+00.00

PROP. AGGREGATE SHOULDER, 4' (TYP.)

PROPOSED TRAFFIC TERMINAL BARRIER, TYPE 1 (SPECIAL) TANGENT

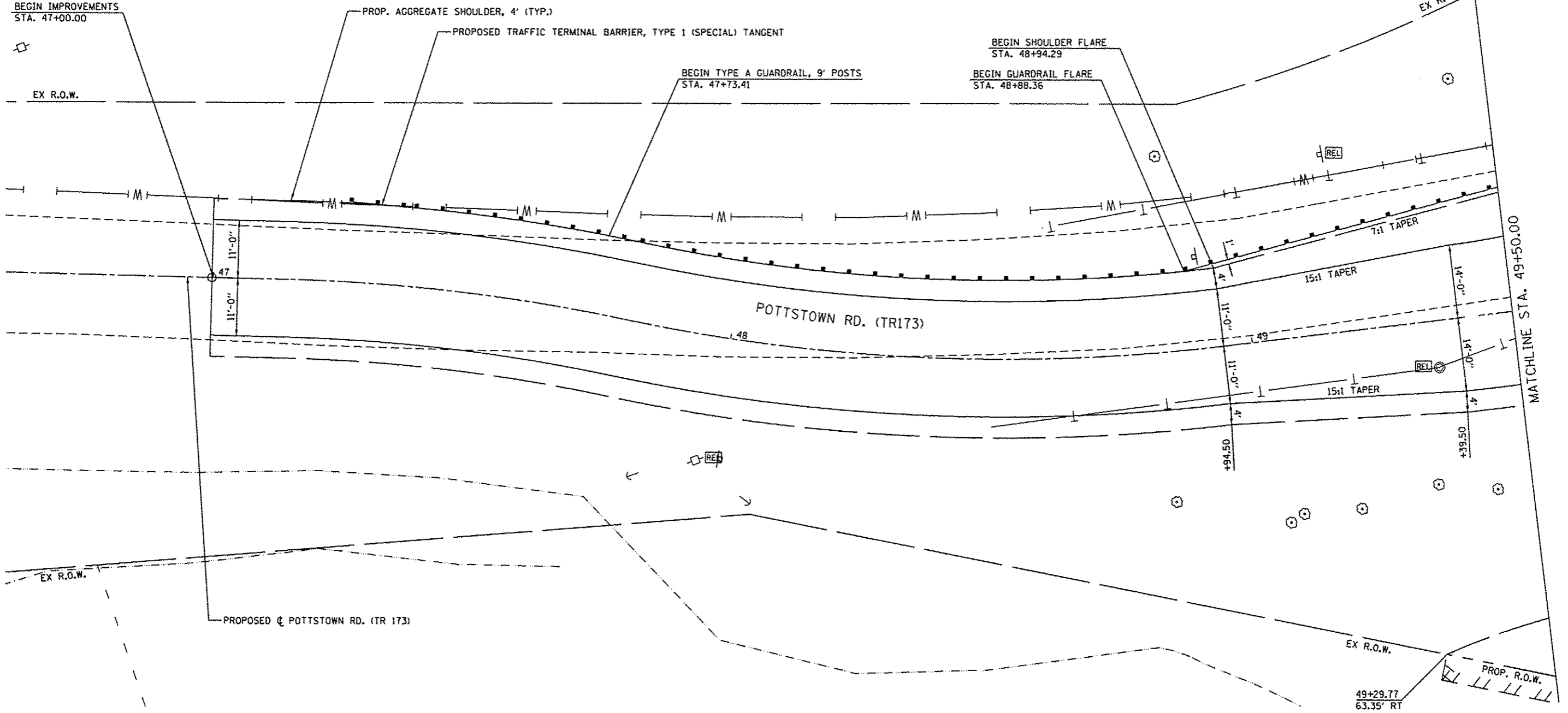
BEGIN TYPE A GUARDRAIL, 9' POSTS
STA. 47+73.41

BEGIN SHOULDER FLARE
STA. 48+94.29

BEGIN GUARDRAIL FLARE
STA. 48+88.36

EX R.O.W.

EX R.O.W.



POTTSTOWN RD. (TR173)

PROPOSED C POTTSTOWN RD. (TR 173)

MATCHLINE STA. 49+50.00

49+29.77
63.35' RT

PROP. R.O.W.

DIRECTORY: I:\Projects\2013\10\13\10-13-CAD\DWG_Sheets...
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CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000813

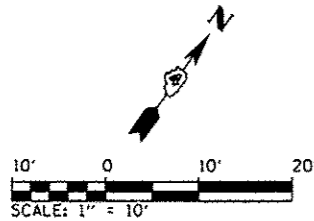
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DESIGNED - EMM	REVISED -
DRAWN - AWH	REVISED -
CHECKED - EJH	REVISED -
DATE - OCTOBER 2013	REVISED -

**PEORIA COUNTY HIGHWAY DEPARTMENT
 PEORIA COUNTY, ILLINOIS**

PLAN SHEET POTTSTOWN ROAD (TR173)			
SCALE: 1" = 10'	SHEET 6 OF 7 SHEETS	STA. 47+00.00 TO STA. 49+50.00	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	44
				CONTRACT NO. 89643
ILLINOIS FED. AID PROJECT				

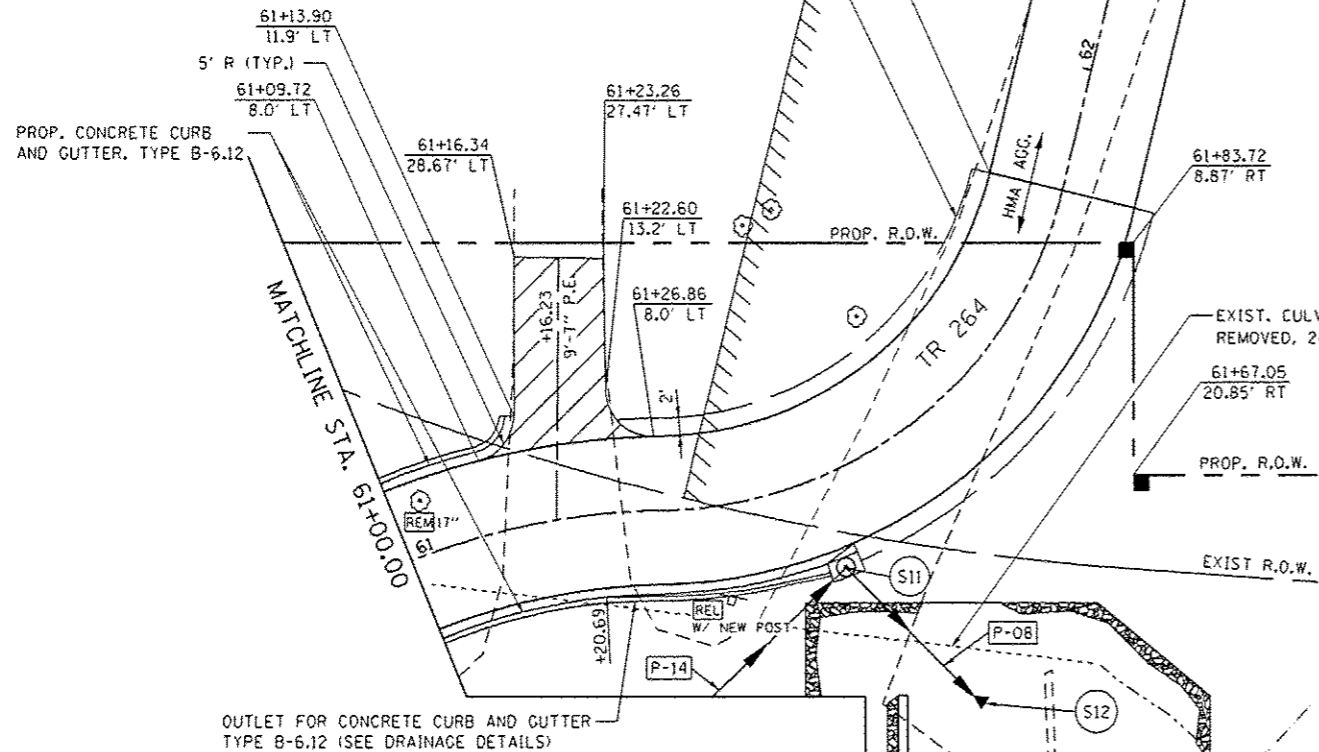


TR 264

END TR 264 IMPROVEMENTS
STA. 62+30.00

END ASPHALT SURFACE
BEGIN AGGREGATE SURFACE
STA. 61+86.77

PROP. AGGREGATE SHOULDER, 2'

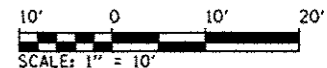
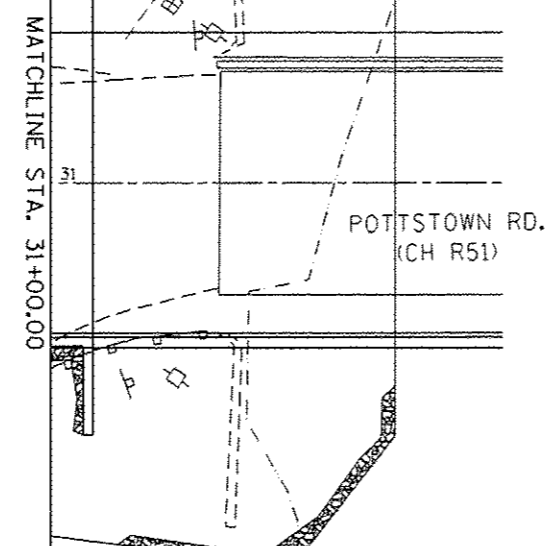


OUTLET FOR CONCRETE CURB AND GUTTER
TYPE B-6.12 (SEE DRAINAGE DETAILS)

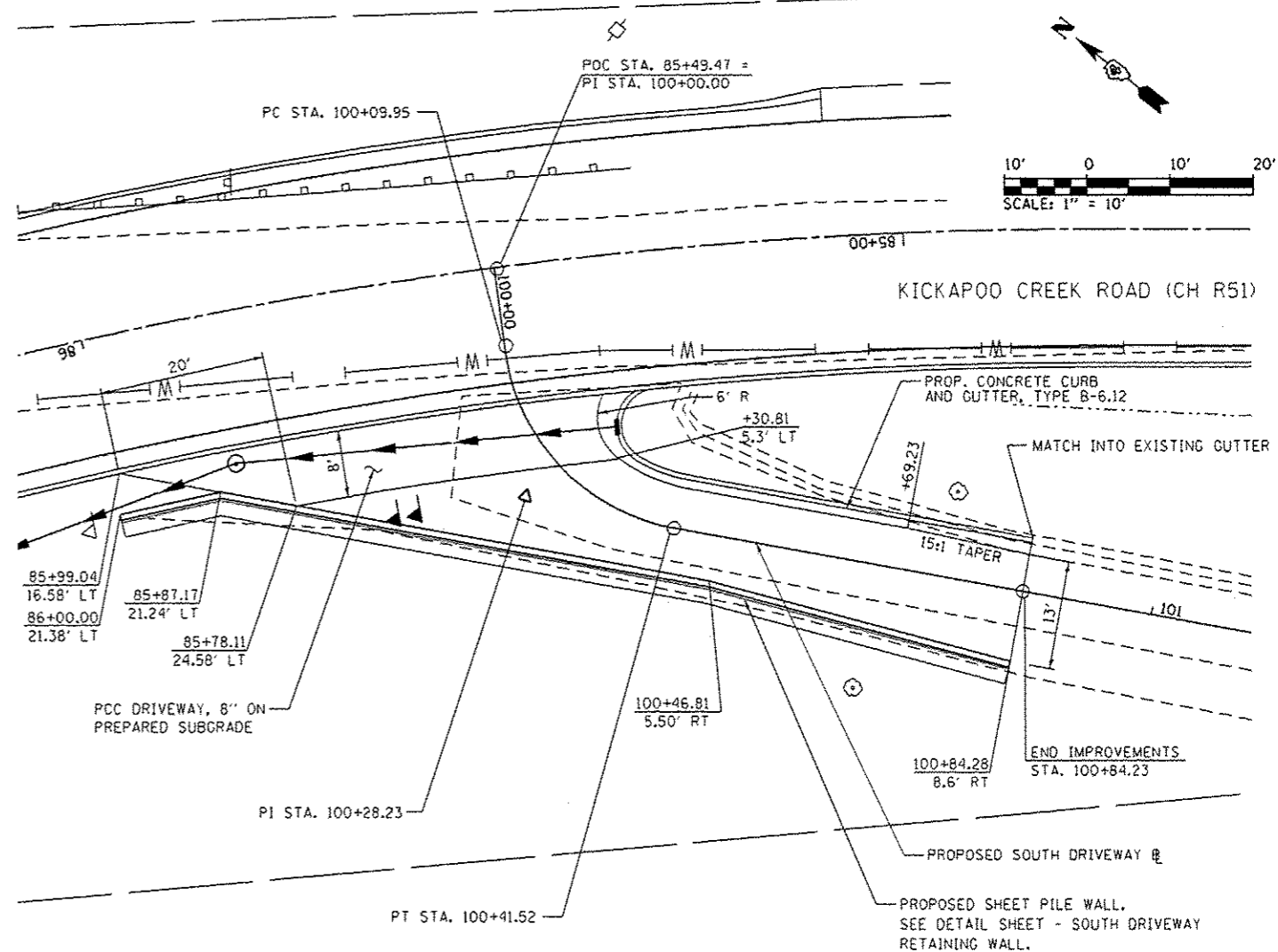
SEE PLAN SHEET -
INTERSECTION PLAN

PROPOSED DRIVEWAY, AGGREGATE SURFACE
COURSE, TYPE B, 8" ON PREPARED SUBGRADE

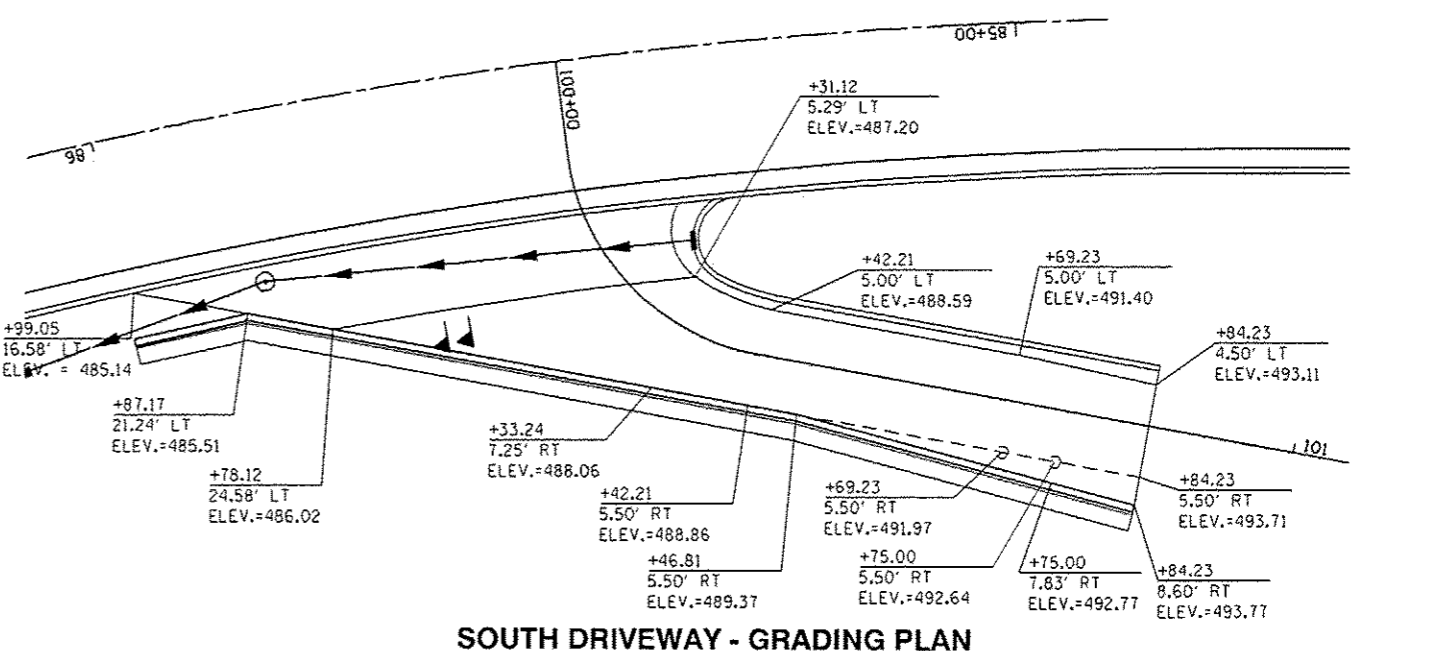
- (S11) MANHOLE, TYPE A, 5' DIA.
W/ TYPE II F&G
STA. 61+44, 8.6' RT
RIM ELEV. = 484.25
INV. ELEV. (S) = 479.70
INV. ELEV. (E) = 479.70
- (S12) PRECAST REINFORCED
CONCRETE FES. 24"
STA. 31+12, 31.2' RT
INV. ELEV. = 479.41
- (P-08) STORM SEWER, CL A TY 2, 24"
19 LF @ 1.5%
- (P-14) STORM SEWER, CL A TY 2, 24"
42 LF @ 1.5%



KICKAPOO CREEK ROAD (CH R51)



SOUTH DRIVEWAY - PLAN



SOUTH DRIVEWAY - GRADING PLAN

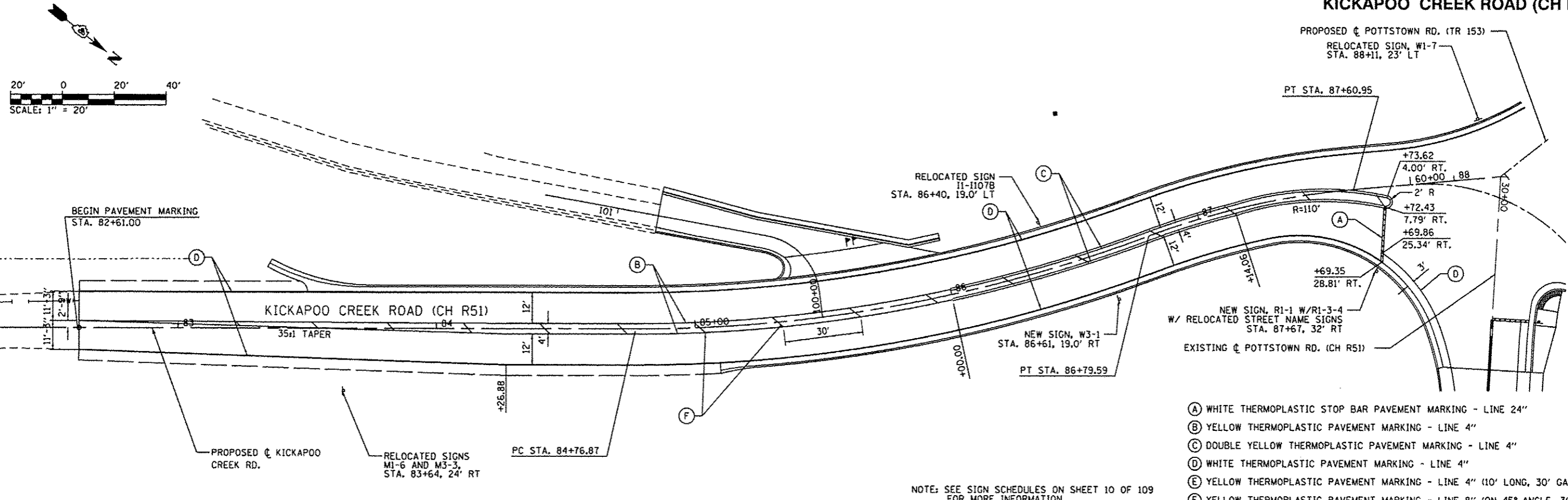
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PEORIA COUNTY HIGHWAY DEPARTMENT
PEORIA COUNTY, ILLINOIS

PLAN SHEET		F.A.U. R/E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 264 & SOUTH DRIVEWAY		6576	11-00009-02-0R	PEORIA	109	45
SCALE: 1" = 10'	SHEET 7 OF 7 SHEETS	STA.	TO STA.	CONTRACT NO. 89643		
ILLINOIS FED. AID PROJECT						

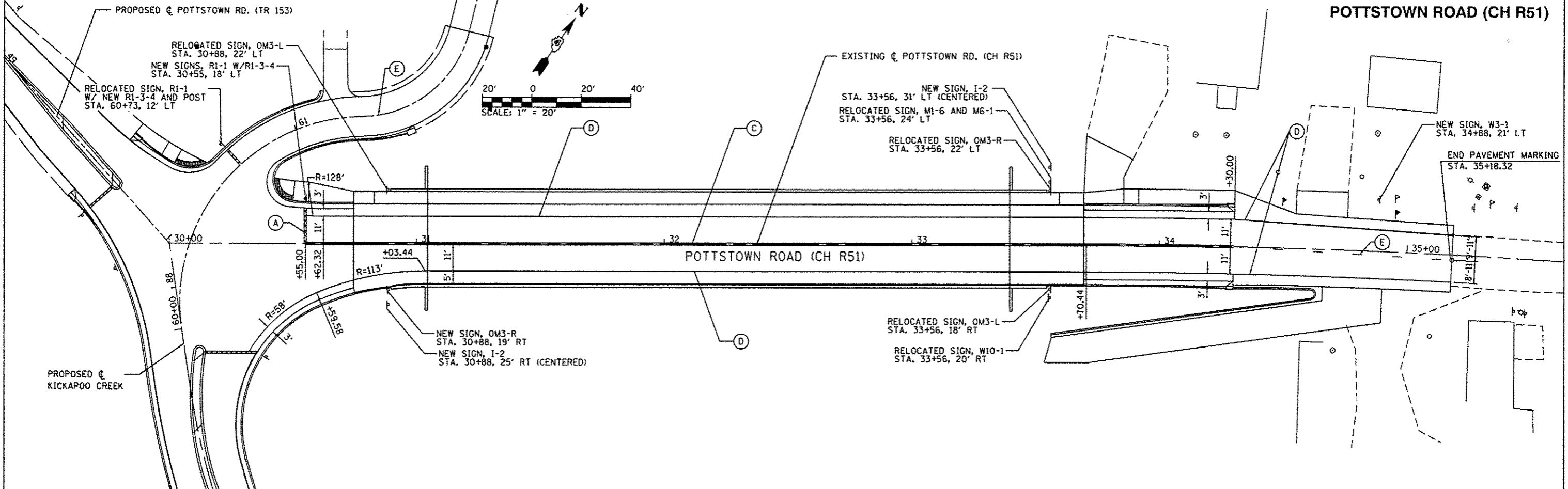
KICKAPOO CREEK ROAD (CH R51)



- (A) WHITE THERMOPLASTIC STOP BAR PAVEMENT MARKING - LINE 24"
- (B) YELLOW THERMOPLASTIC PAVEMENT MARKING - LINE 4"
- (C) DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING - LINE 4"
- (D) WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 4"
- (E) YELLOW THERMOPLASTIC PAVEMENT MARKING - LINE 4" (10' LONG, 30' GAP)
- (F) YELLOW THERMOPLASTIC PAVEMENT MARKING - LINE 8" (ON 45° ANGLE, 30' CTC)

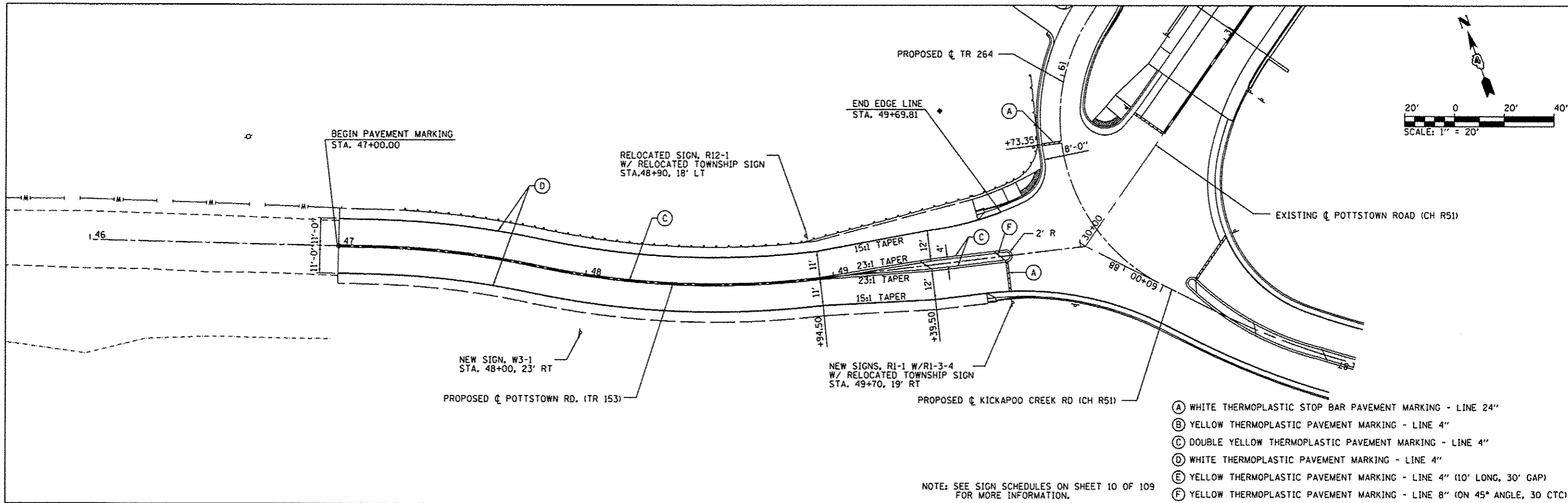
NOTE: SEE SIGN SCHEDULES ON SHEET 10 OF 109 FOR MORE INFORMATION.

POTTSTOWN ROAD (CH R51)



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 CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 LICENSE NO. 124-000113

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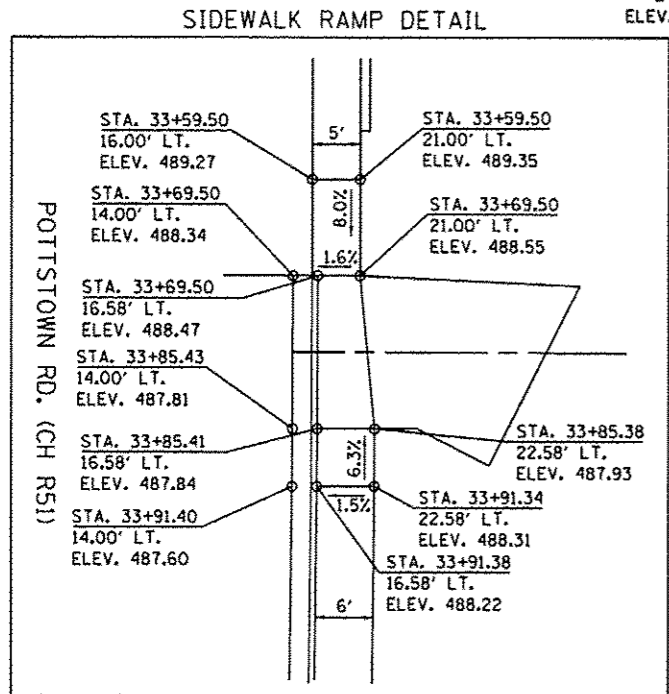
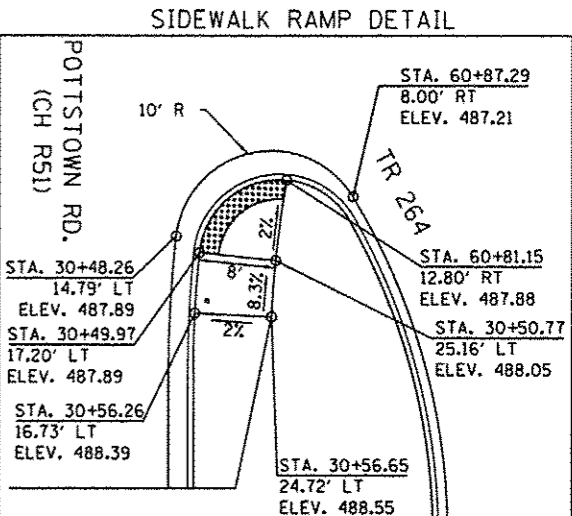
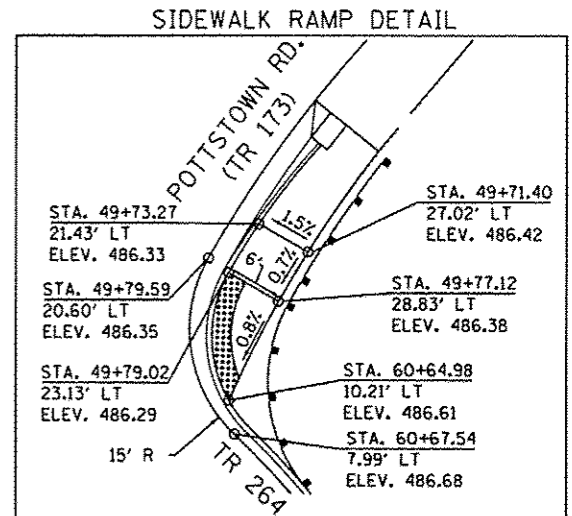
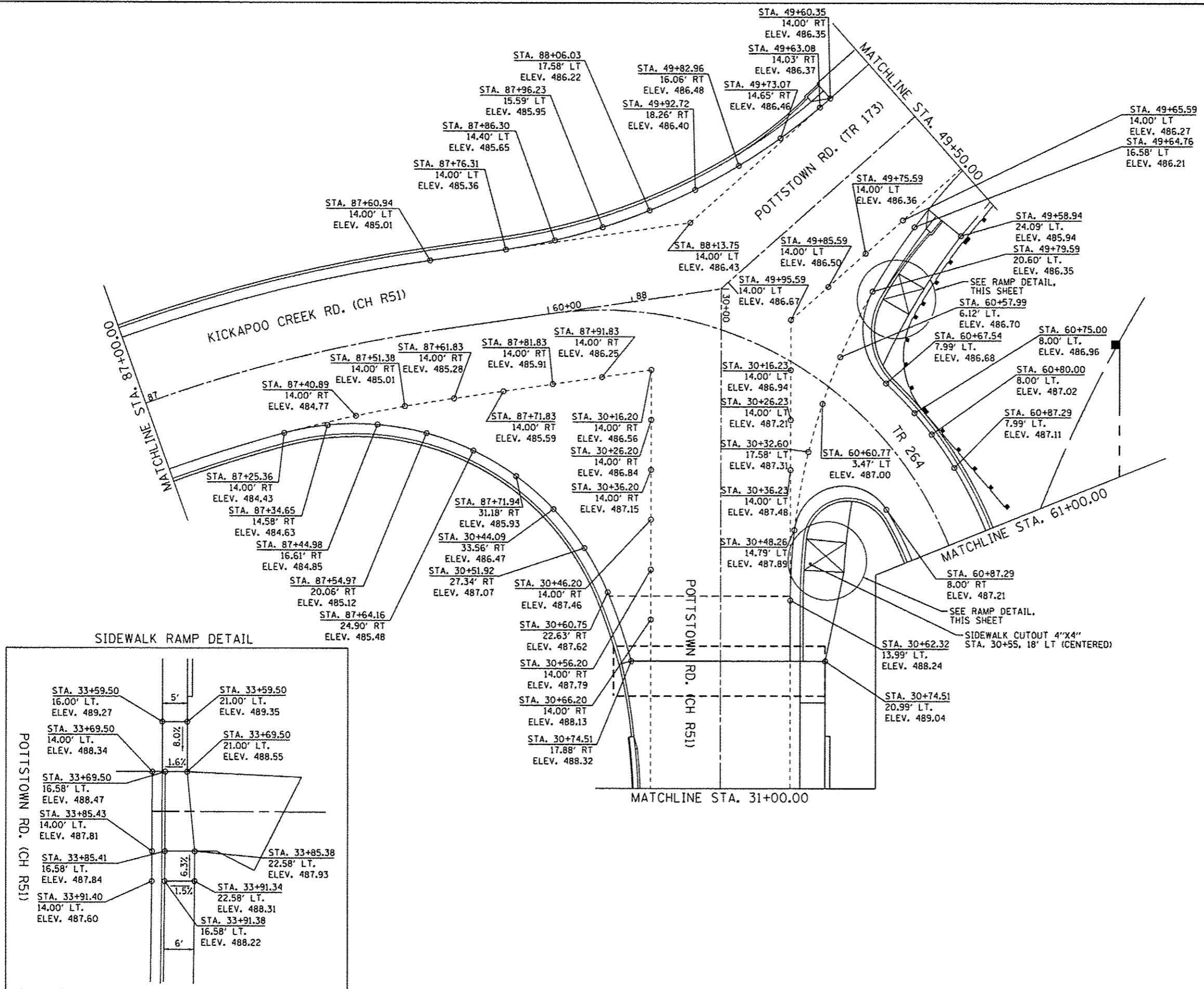
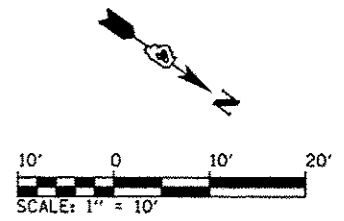
CMT
CRAWFORD, MURPHY & TILLY, INC.
CONSULTING ENGINEERS
License No. 184-000213

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PLOT DATE = 10/21/2013	DATE - OCTOBER 2013	REVISED -

**PEORIA COUNTY HIGHWAY DEPARTMENT
PEORIA COUNTY, ILLINOIS**

PAVEMENT MARKING PLAN	
POTTSWOWN ROAD (TR173)	
SCALE: 1" = 20'	SHEET 2 OF 2 SHEETS
STA. 47+00.00 TO STA. 50+01.97	

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6593	12-00361-00-PV	PEORIA	109	47
ILLINOIS FED. AID PROJECT				
CONTRACT NO. 89643				



PROJECT: 11-00009-02-0000_Sheets
 USER: EMM

CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000013

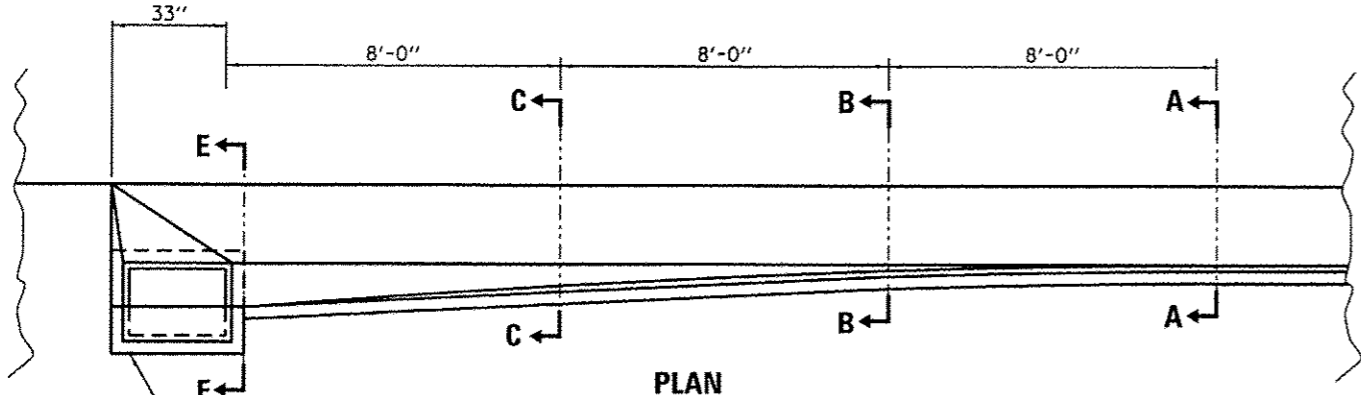
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PEORIA COUNTY HIGHWAY DEPARTMENT
PEORIA COUNTY, ILLINOIS

DETAIL PLANS INTERSECTION GRADING PLAN		SCALE: 1" = 10'	SHEET 1 OF 1 SHEETS	STA. TO STA.
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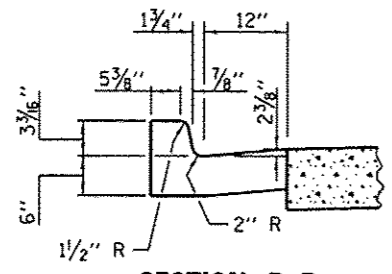
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CONTRACT NO. 89643				ILLINOIS FED. AID PROJECT

OUTLET FOR CONCRETE CURB AND GUTTER TYPE B-6.12

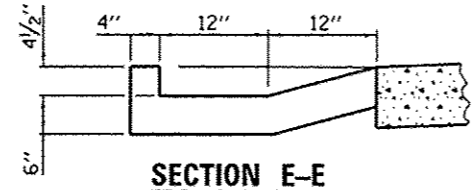


STANDARD 602401-03
MANHOLE TYPE A, 5'

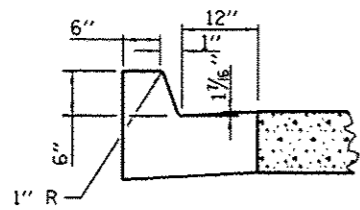
PLAN



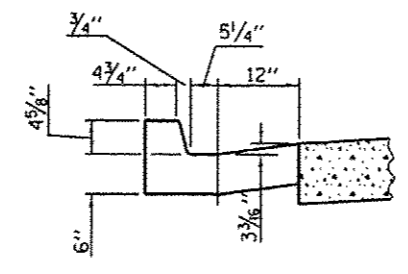
SECTION B-B



SECTION E-E

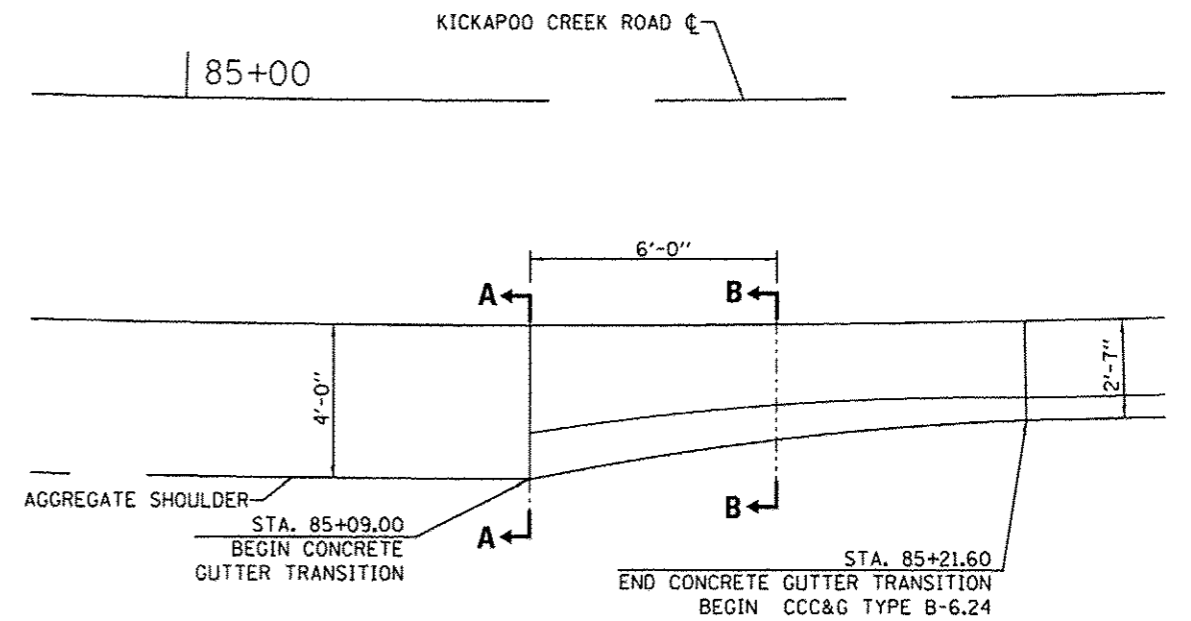


SECTION A-A



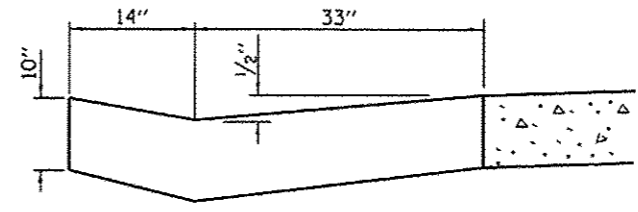
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CONCRETE GUTTER TRANSITION KICKAPOO CREEK ROAD

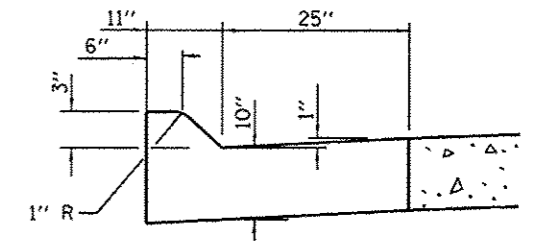


AGGREGATE SHOULDER
STA. 85+09.00
BEGIN CONCRETE
GUTTER TRANSITION

STA. 85+21.60
END CONCRETE GUTTER TRANSITION
BEGIN CCC&G TYPE B-6.24



SECTION A-A



SECTION B-B

DIRECTORY: L:\2013\201307\08\08\08\CAD_Sheets
 USER: Name
 * Emily Murday

CMT
CRAWFORD, MURPHY & TILLY, INC.
CONSULTING ENGINEERS
License No. 184-000513

MODEL NAME = Dwg1	DESIGNED - EMM	REVISED -
FILE NAME = Dwg1_Dwg1.dwg	DRAWN - AWH	REVISED -
PLOT SCALE = 10.0000 / 1 in.	CHECKED - EJH	REVISED -
PLOT DATE = 10/21/2013	DATE - OCTOBER 2013	REVISED -

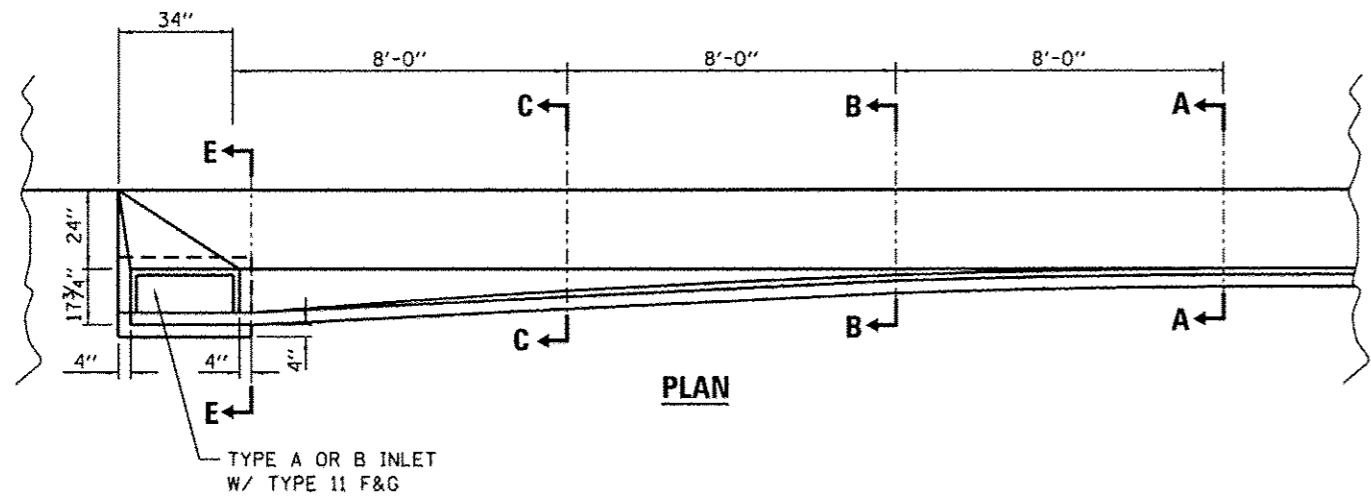
DESIGNED - EMM	REVISED -
DRAWN - AWH	REVISED -
CHECKED - EJH	REVISED -
DATE - OCTOBER 2013	REVISED -

**PEORIA COUNTY HIGHWAY DEPARTMENT
PEORIA COUNTY, ILLINOIS**

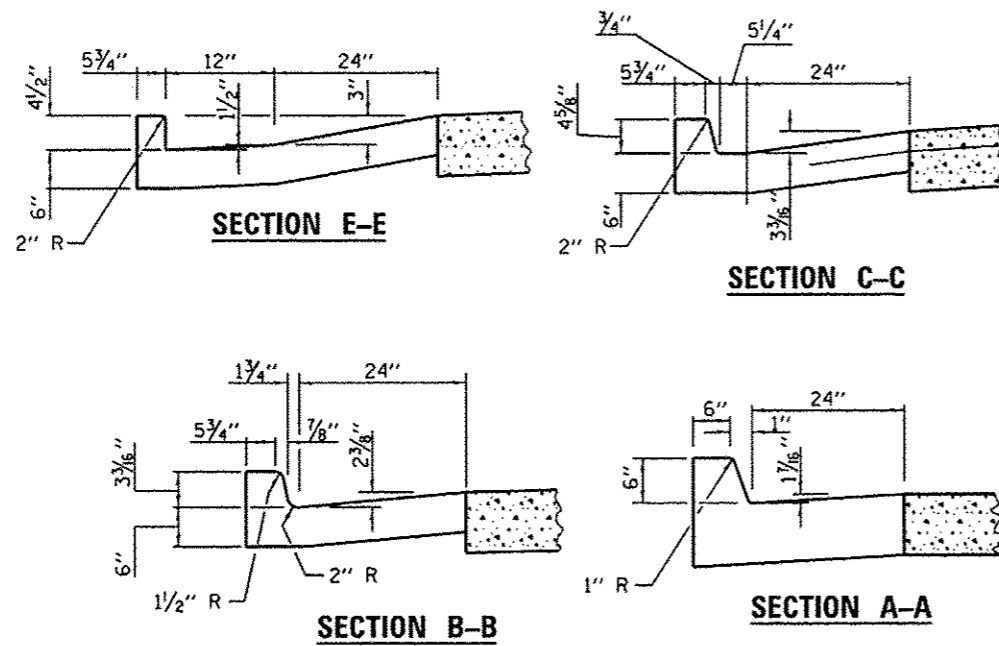
DETAILS DRAINAGE STRUCTURES			
SCALE:	SHEET 1	OF 2 SHEETS	STA. TO STA.

F.A.U. RTE. 6576	SECTION 11-00009-02-BR	COUNTY PEORIA	TOTAL SHEETS 109	SHEET NO. 49
			CONTRACT NO. 89643	
ILLINOIS FED. AID PROJECT				

STANDARD 606006-02, TYPE 2 OUTLET (MODIFIED)
OUTLET FOR CONCRETE CURB AND GUTTER TYPE B-6.24

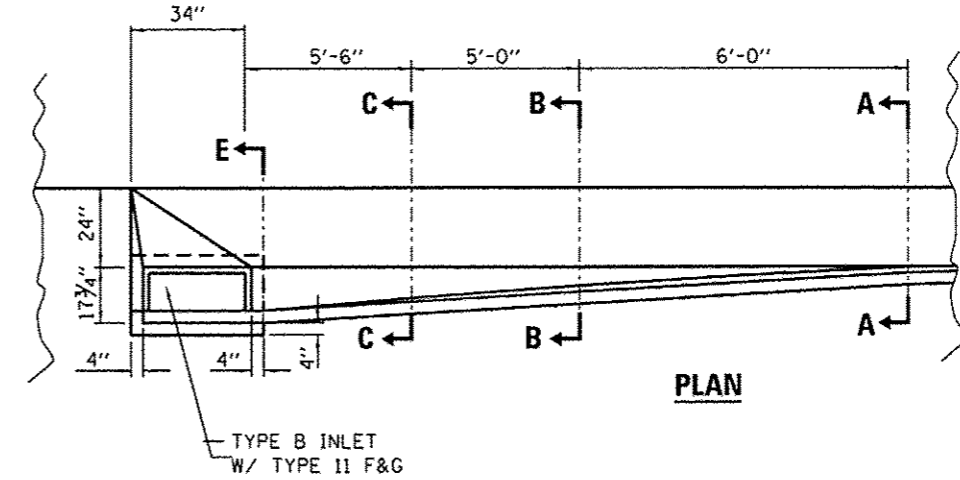


LOCATIONS: POTTSTOWN ROAD (TR173), STA. 49+86.89 TO 49+60.35, RT
 POTTSTOWN ROAD (CH R51), STA. 34+06.00 TO STA. 34+30.00, LT & RT

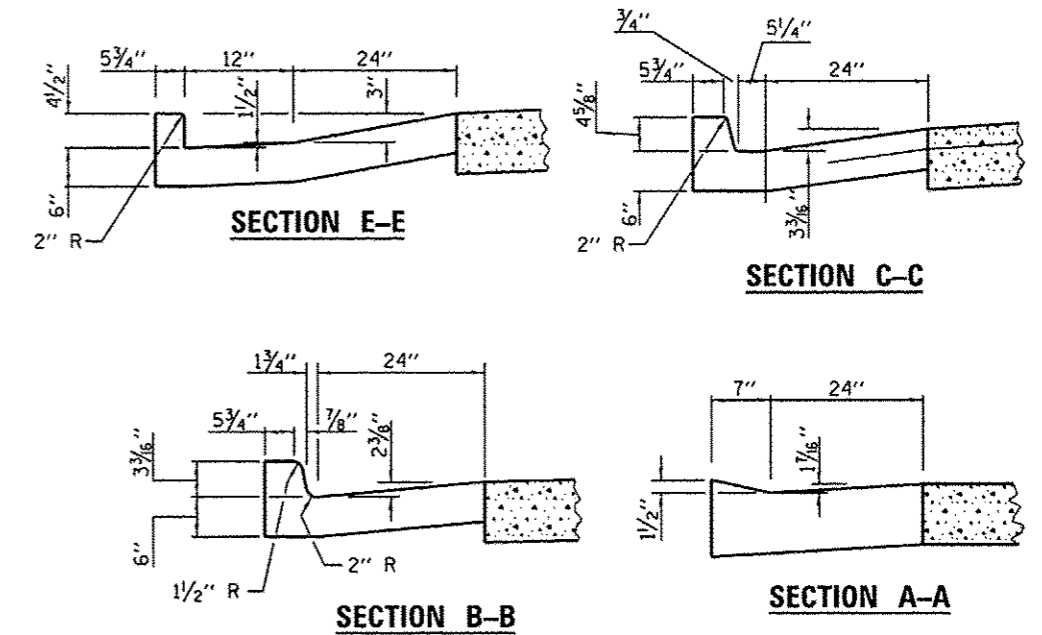


GENERAL NOTES

- STANDARD TYPE 11 F&G CURB BOX SHALL BE SET AT 4 1/2" ABOVE THE FLOW LINE.
- CONCRETE CURB SHALL SURROUND CURB BOX AS SHOWN ON PLAN VIEW. CURB SHALL BE 4" WIDE BY 4 1/2" HIGH IN THIS LOCATION.
- PROPOSED SHOULDER SHALL BE GRADED TO TRANSITION INTO TYPE 2 OUTLET (MOD.) DETAIL. SIDE FACE OF CURB AROUND CURB BOX SHALL NOT BE EXPOSED.
- SEE PLAN SHEETS FOR INLET TYPE AND ELEVATION INFORMATION.



LOCATIONS: POTTSTOWN ROAD (TR173), STA. 49+79.21 TO 49+58.94, LT



GENERAL NOTES

- STANDARD TYPE 11 F&G CURB BOX SHALL BE SET AT 4 1/2" ABOVE THE FLOW LINE.
- CONCRETE CURB SHALL SURROUND CURB BOX AS SHOWN ON PLAN VIEW. CURB SHALL BE 4" WIDE BY 4 1/2" HIGH IN THIS LOCATION.
- PROPOSED SHOULDER SHALL BE GRADED TO TRANSITION INTO TYPE 2 OUTLET (MOD.) DETAIL. SIDE FACE OF CURB AROUND CURB BOX SHALL NOT BE EXPOSED.
- SEE PLAN SHEETS FOR INLET TYPE AND ELEVATION INFORMATION.

DIRECTOR: [unreadable]
 USER: [unreadable]

CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 LICENSE NO. 184-005813

MODEL NAME	# Default	DESIGNED	- EMM	REVISED	-
FILE NAME	# Data_Drainage02.dgn	DRAWN	- AWH	REVISED	-
PLOT SCALE	# 18.0000 / 1 in.	CHECKED	- EJM	REVISED	-
PLOT DATE	# 10/21/2013	DATE	- OCTOBER 2013	REVISED	-

PEORIA COUNTY HIGHWAY DEPARTMENT
PEORIA COUNTY, ILLINOIS

DETAILS			
DRAINAGE STRUCTURES			
SCALE:	SHEET 2	OF 2 SHEETS	STA. TO STA.

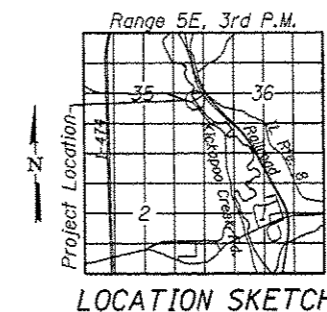
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	50
			CONTRACT NO. 89643	
ILLINOIS FED. AID PROJECT				

Bench Mark: Chiseled "C" on S.E. corner of east abutment @ Sta. 33+28.71, offset 17.97' Rt., Elev. 487.59

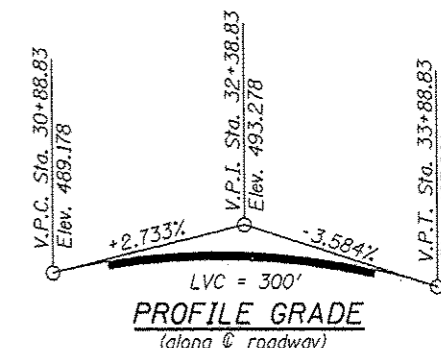
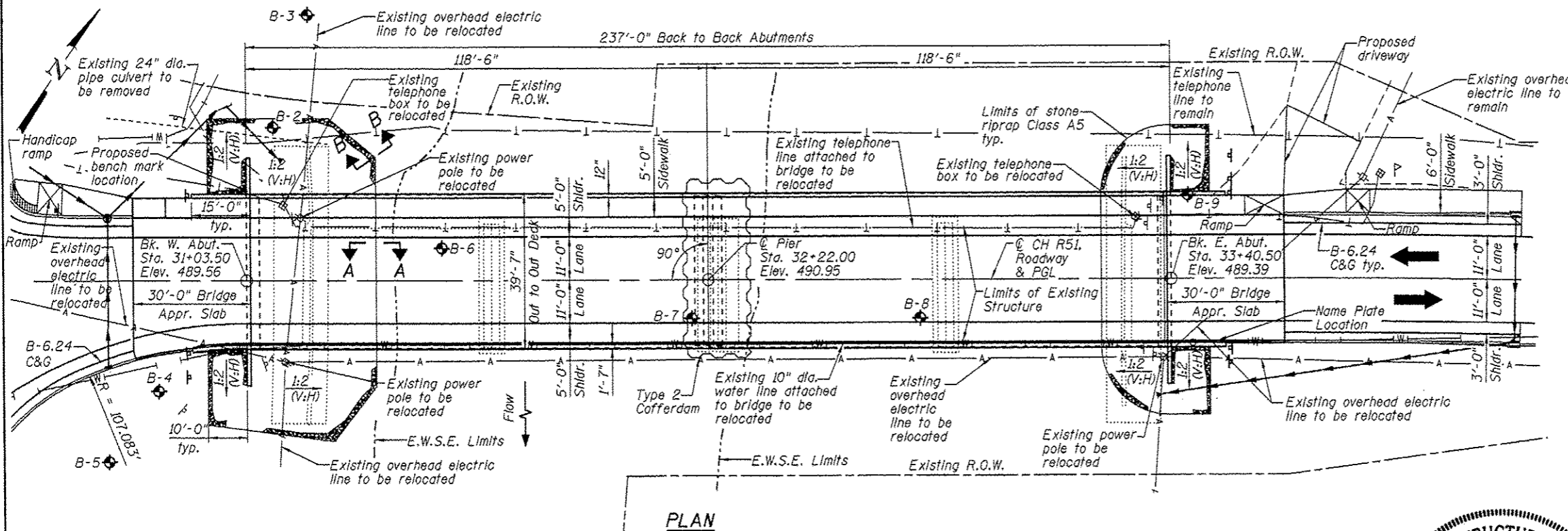
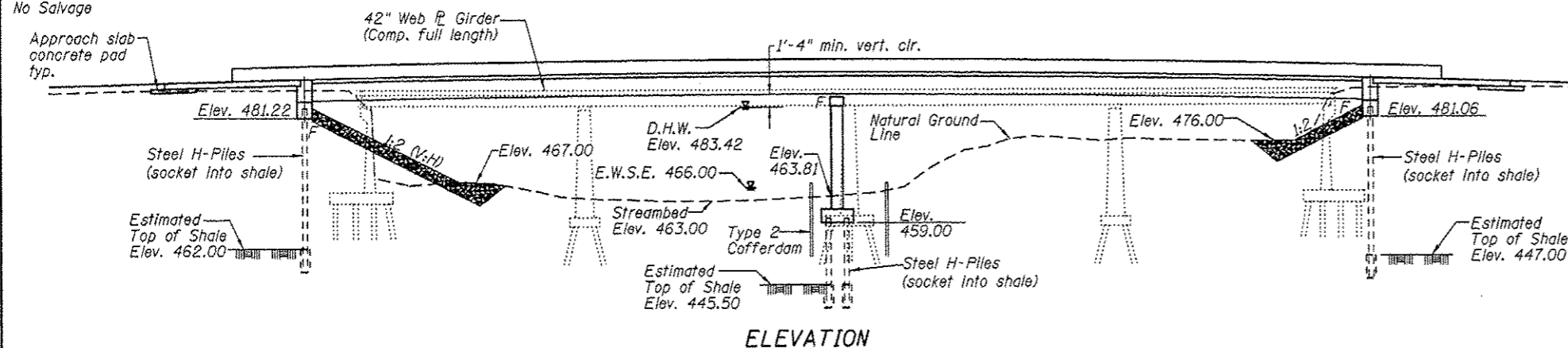
Existing Structure: S.N. 072-3001, was built in 1950 as a four span, steel girder and concrete deck bridge. Substructure consist of concrete abutments and piers supported on steel piles. Back to back of abutment measures 213'-8" and out to out width of 29'-0"

Existing structure shall be removed and replaced with a two span bridge with composite welded plate girders supported on concrete abutments and pier. Roadway will be closed and traffic will be detoured south to Farmington Rd. during construction.

No Salvage



INDEX OF SHEETS	
SHEET NO.	TITLE
1.	General Plan and Elevation
2.	General Data
3.	Deck Elevations I
4.	Deck Elevations II
5.	Top of Approach Slab Elevations
6.	Superstructure Plan and Cross Section
7.	Superstructure Details I
8.	Superstructure Details II
9.	Integral Abutment Diaphragm Details
10.	West Bridge Approach Slab Details I
11.	West Bridge Approach Slab Details II
12.	East Bridge Approach Slab Details I
13.	East Bridge Approach Slab Details II
14.	Aluminum Railing, Type L
15.	Framing Plan
16.	Structural Steel Details
17.	West and East Abutments
18.	Pier
19.	HP Pile Details
20.	Boring Logs B-2 & B-3
21.	Boring Logs B-4 & B-5
22.	Boring Logs B-6
23.	Boring Logs B-7
24.	Boring Logs B-8
25.	Boring Log B-9



DESIGN SCOUR ELEVATION TABLE

Design Scour Elevation (ft.)	W. Abut.	Pier	E. Abut.
	481.22	454.21	481.06

BORING DATA

Boring No.	Station	Offset
B-2	31+10.47	39.0' Lt.
B-3	31+19.44	67.6' Lt.
B-4	30+80.90	28.3' Rt.
B-5	30+68.18	46.2' Rt.
B-6	31+53.71	8.2' Lt.
B-7	32+17.73	9.9' Rt.
B-8	32+76.23	9.9' Rt.
B-9	33+44.92	21.3' Lt.

DESIGN SPECIFICATIONS

2012 AASHTO LRFD Bridge Design Specifications, 6th Edition, with 2013 Interims

DESIGN STRESSES

FIELD UNITS
 $f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 50,000$ psi (M270 Grade 50W)

LOADING HL-93

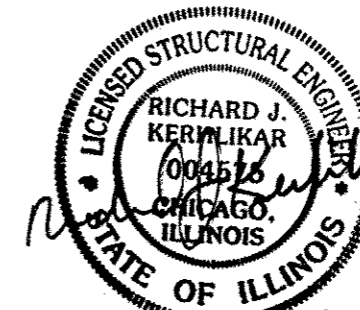
Allow 50#/sq. ft. for future wearing surface.

Notes:

1. See Roadway Plans for utility coordination.
2. See Sheet 2 of 25 for Sections A-A and B-B.
3. Existing structure shall be removed according to article 501.04 of the Standard Specifications.
4. See Roadway Plan Sheet 43 of 109 for driveway details.

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
 Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.078
 Design Spectral Acceleration at 0.2 sec. ($S_{D0.2}$) = 0.130
 Soil Site Class = C



EXPIRES 11.30.2014

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

GENERAL PLAN AND ELEVATION
 COUNTY HIGHWAY R51
 OVER KICKAPOO CREEK
 F.A.U. RTE. 6576
 SEC. 11-00009-02-BR
 PEORIA COUNTY
 STATION 32+22.00
 STRUCTURE NO. 072-3149

FILE NAME: CMT
 USER NAME: CRAWFORD, MURPHY & TELY, INC.
 CONSULTING ENGINEERS
 LICENSE NO. 184-000613

DESIGNED - CJW
 CHECKED - RJK
 DRAWN - CJW-GLD
 CHECKED - RJK

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
 STRUCTURE NO. 072-3149
 SHEET NO. 1 OF 25 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	51

CONTRACT NO. 89643
 ILLINOIS FED. AID PROJECT

CONTRACT NO. 89643
 ILLINOIS FED. AID PROJECT

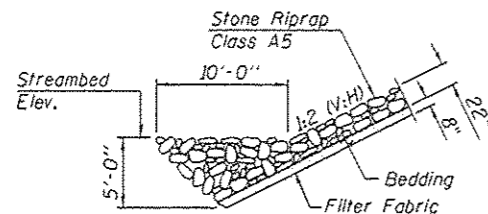
GENERAL NOTES:

1. Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts (in painted areas and ASTM A325 Type 3 in unpainted areas). Bolts $\frac{1}{8}$ in. ϕ , holes $\frac{1}{8}$ in. ϕ , unless otherwise noted.
2. Calculated weight of Structural Steel = 327.170 lbs. (AASHTO M270 Grade 50W)
3. All structural steel shall be AASHTO M 270 Grade 50W.
4. No field welding is permitted except as specified in the contract documents.
5. Reinforcement bars designated (E) shall be epoxy coated.
6. Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
7. Structural steel shall only be painted for a distance equal to the depth of embedment into the concrete cap plus 3 inches. Painted areas shall be primed in the shop with a Department approved zinc rich primer. Field painting will not be required.
8. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
9. The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
10. Seal coat thickness design is based on the Estimated Water Surface Elevation (EWSE). Cofferdam design details and proposed changes in seal coat thickness shall be submitted to the Engineer for review with the cofferdam design.
11. Reinforcement bars shall conform to the requirements of ASTM A706 Grade 60.
12. Should the contractor deem that dewatering is necessary or that a temporary cofferdam or temporary excavation support system is necessary to complete removal of existing substructure elements the contractor shall include such costs with "Removal of Existing Structures". No additional compensation will be considered or made.

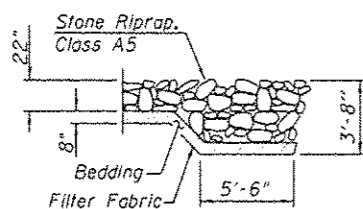
WATERWAY INFORMATION

Drainage Area = 279 Sq. Mi. Low Grade Elev. 481.88 @ Sta. 35+80.00

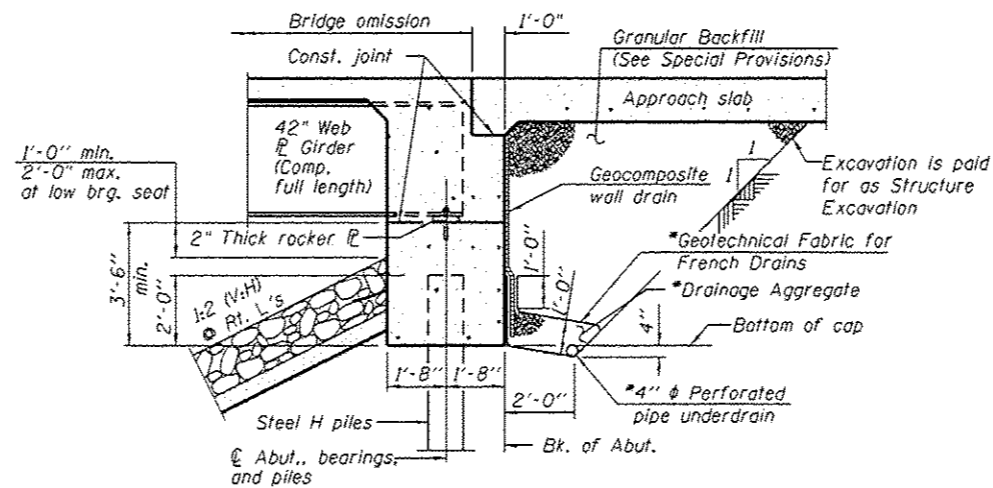
Flood	Freq. Yr.	C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	10	16,100	2,458	2,480	481.84	0.45	0.44	482.29	482.28
Base	30	21,570	2,775	2,835	483.42	1.86	1.00	485.28	484.42
Max. Calc.	100	27,800	2,858	3,126	484.70	1.67	1.59	486.37	486.29
	500	37,600	2,858	3,369	486.49	2.78	2.41	489.27	488.90



SECTION A-A



SECTION B-B



SECTION THRU INTEGRAL ABUTMENT

(Horiz. dim. @ Rt. L's)

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

STATION 32+22.00
BUILT 2011 BY
PEORIA COUNTY HIGHWAY DEPT.
F.A.U. RTE. 6576
SEC. 11-00009-02-BR
LOADING HL-93
STR. NO. 072-3149

NAME PLATE

See Std. 515001

THOMAS J. MCFARLAND
MEMORIAL BRIDGE
DEDICATED OCTOBER 10, 2013
COMPLETED 2014

NAME PLATE (SPECIAL)

** Non-Participating Pay Item

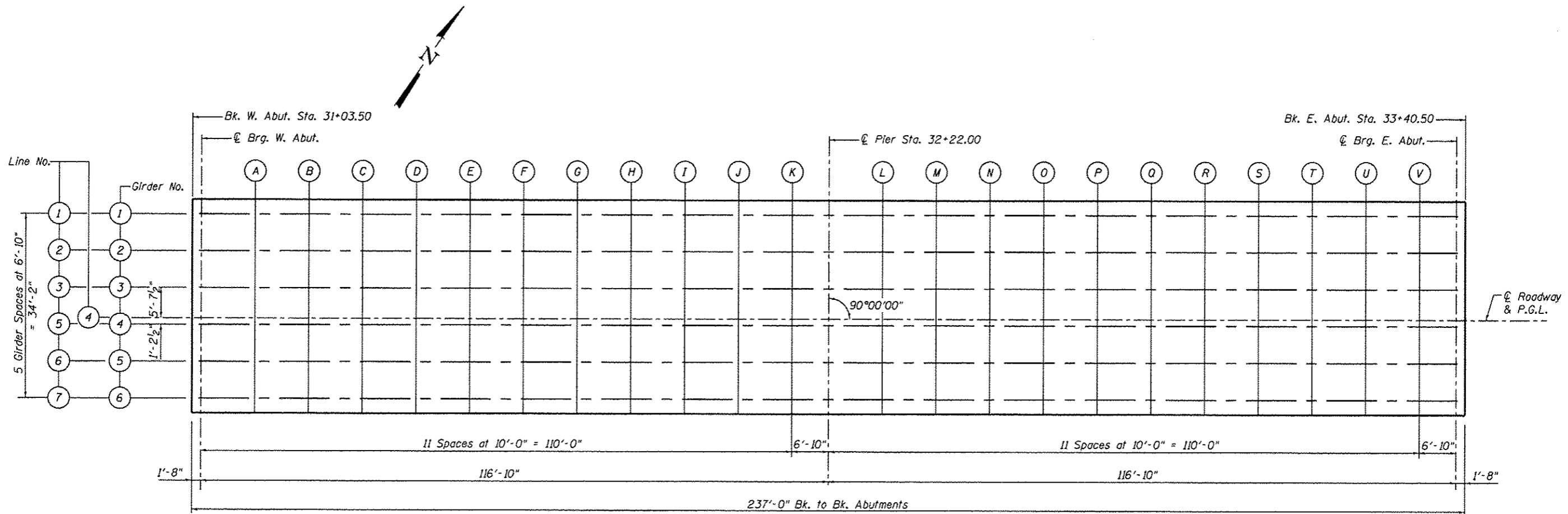
TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A5	Sq. Yd.		522	522
Filter Fabric	Sq. Yd.		522	522
Removal of Existing Structures No. 1	Each	1		1
Structure Excavation	Cu. Yd.		221	221
Cofferdam Excavation	Cu. Yd.		211	211
Cofferdam (Location 1)	Each		1	1
Concrete Structures	Cu. Yd.	24.4	153.3	177.7
Concrete Superstructure	Cu. Yd.	478.2		478.2
Bridge Deck Grooving	Sq. Yd.		984	984
Seal Coat Concrete	Cu. Yd.		111.6	111.6
Protective Coat	Sq. Yd.	1,470		1,470
Furnishing and Erecting Structural Steel	L Sum	1		1
Stud Shear Connectors	Each	2,916		2,916
Reinforcement Bars, Epoxy Coated	Pound	106,820	30,210	137,030
Aluminum Rolling, Type L	Foot	263		263
Furnishing Steel Piles, HP 12x53	Foot		638	638
Name Plates	Each	1		1
Anchor Bolts, 1"	Each		24	24
Anchor Bolts, 1 1/4"	Each		12	12
Geocomposite Wall Drain	Sq. Yd.		86	86
** Name Plates (Special)	Each	1		1
Granular Backfill for Structures	Cu. Yd.		170	170
Pipe Underdrains for Structures 4"	Foot		156	156
Setting Piles in Rock	Each		24	24

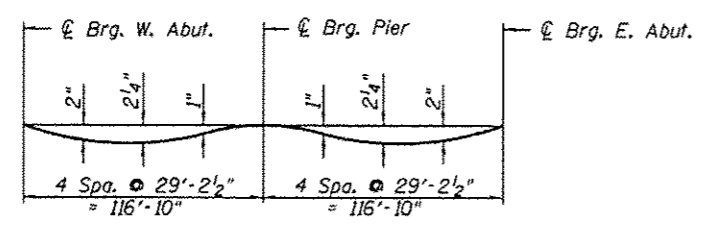
**PEORIA COUNTY HIGHWAY DEPARTMENT
BENCH MARK**

The bronze tablet, to be installed as the bench mark, shall be furnished by the Peoria County Highway Department and installed by the contractor.
The bench mark shall be installed on the level area at the northwest wing wall of the proposed west abutment as shown on Sheet 17 of 25. The bench mark shall be placed under the direction of the Engineer and shall be installed in a workmanlike manner.
The installation of the bench mark shall be included in the cost for Concrete Structures.
The elevation shall be permanently marked by the use of metal dies after the bench mark has been installed. The elevation will be based on U.S.G.S. datum. The elevation shall be established by a registered professional land surveyor and shall be included in the cost of Concrete Structures.

** Non-Participating Pay Item

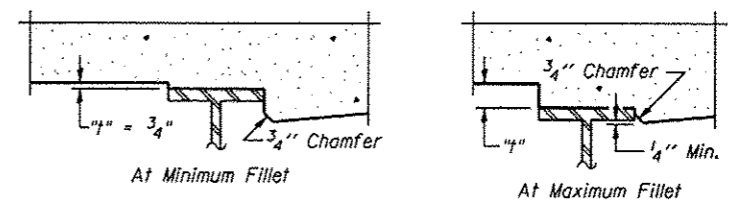


LAYOUT PLAN FOR DECK ELEVATIONS



DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only.)
 Note:
 The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown on the following sheets.



To determine "f": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown above. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown below, minus slab thickness, equals the fillet heights "f" above top flange of beams.

FILLET HEIGHTS

 CMT CRAWFORD MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 184-00063	USER NAME =	DESIGNED - CJW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DECK ELEVATIONS I STRUCTURE NO. 072-3149	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE =	CHECKED - RJK	REVISED -			6576	11-00009-02-BR	PEORIA	109	53	
	PLOT DATE =	DRAWN - CJW-GLD	REVISED -			CONTRACT NO. 89643					
		CHECKED - RJK	REVISED -			ILLINOIS FED. AID PROJECT					

NORTH EDGE OF SLAB

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION
W. End of W. Appr.	30+74.50	-22.00	488.74
A1	30+84.50	-22.00	489.02
A2	30+94.50	-22.00	489.29
E. End of W. Appr.	31+04.50	-22.00	489.54

NORTH CURB LINE

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION
W. End of W. Appr.	30+74.50	-16.00	488.54
A1	30+84.50	-16.00	488.81
A2	30+94.50	-16.00	489.08
E. End of W. Appr.	31+04.50	-16.00	489.33

☉ ROADWAY & P.G.L.

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION
W. End of W. Appr.	30+74.50	0.00	488.79
A1	30+84.50	0.00	489.06
A2	30+94.50	0.00	489.33
E. End of W. Appr.	31+04.50	0.00	489.58

SOUTH CURB LINE

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION
W. End of W. Appr.	30+74.50	19.80	488.20
A1	30+84.50	17.67	488.64
A2	30+94.50	16.37	489.03
E. End of W. Appr.	31+04.50	16.00	489.33

NORTH EDGE OF SLAB

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION
W. End of E. Appr.	33+39.50	-22.00	489.26
A3	33+49.50	-22.00	488.99
A4	33+59.50	-22.00	488.71
E. End of E. Appr.	33+69.50	-22.00	488.40

NORTH CURB LINE

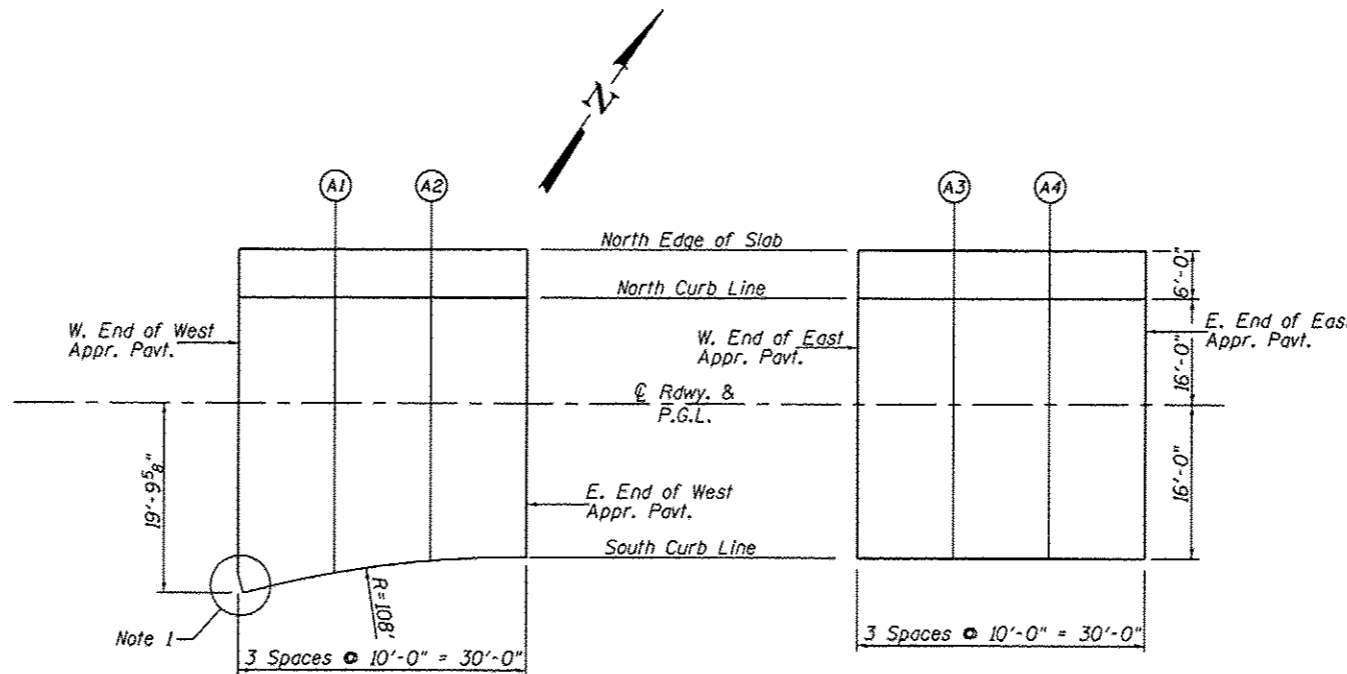
LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION
W. End of E. Appr.	33+39.50	-16.00	489.16
A3	33+49.50	-16.00	488.90
A4	33+59.50	-16.00	488.61
E. End of E. Appr.	33+69.50	-16.00	488.30

☉ ROADWAY & P.G.L.

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION
W. End of E. Appr.	33+39.50	0.00	489.41
A3	33+49.50	0.00	489.15
A4	33+59.50	0.00	488.86
E. End of E. Appr.	33+69.50	0.00	488.55

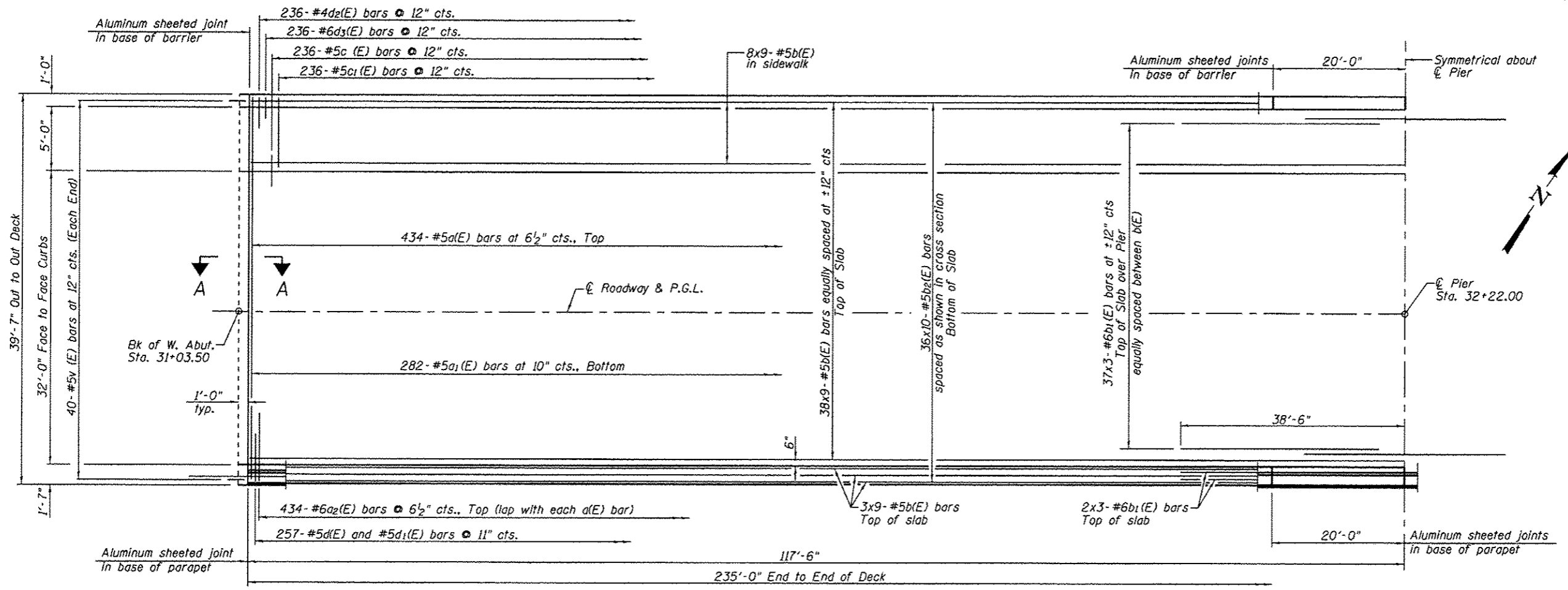
SOUTH CURB LINE

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION
W. End of E. Appr.	33+39.50	16.00	489.16
A3	33+49.50	16.00	488.90
A4	33+59.50	16.00	488.61
E. End of E. Appr.	33+69.50	16.00	488.30

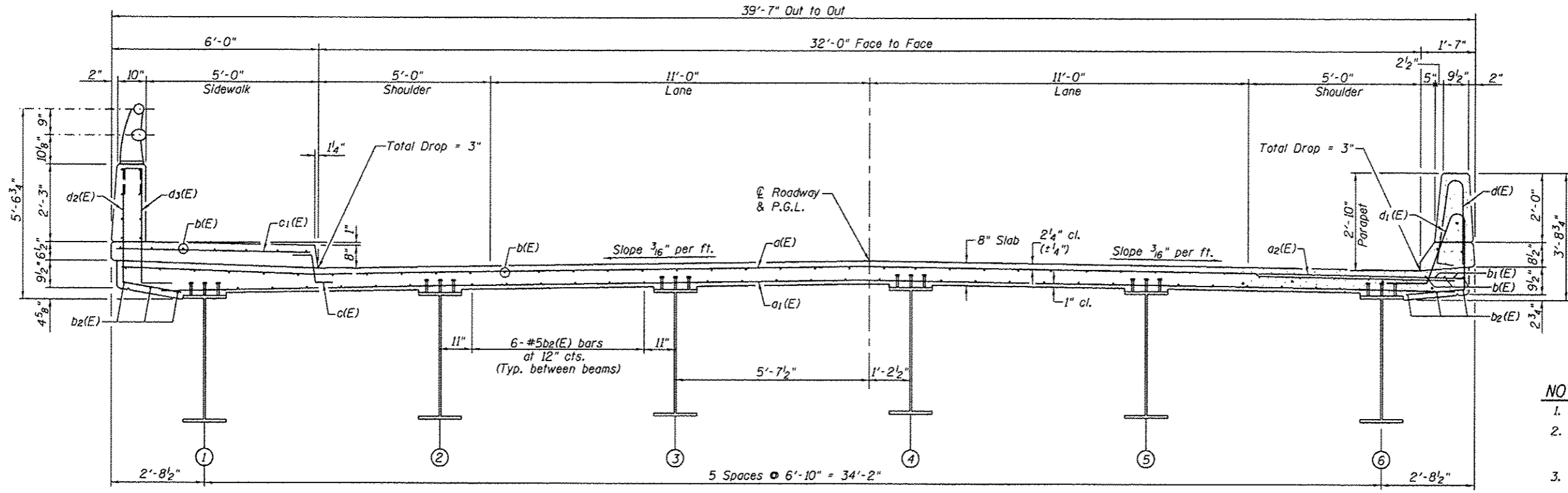


Note 1: See Sheet 10 of 25 for additional dimensions.

PLAN



HALF PLAN

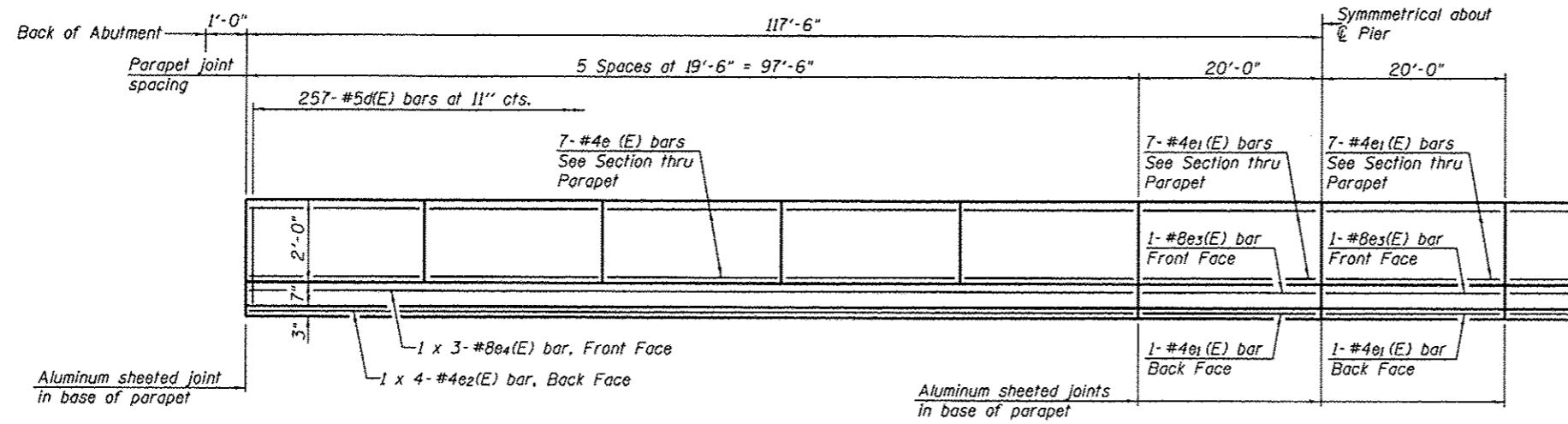


TYPICAL CROSS SECTION
(Looking East)

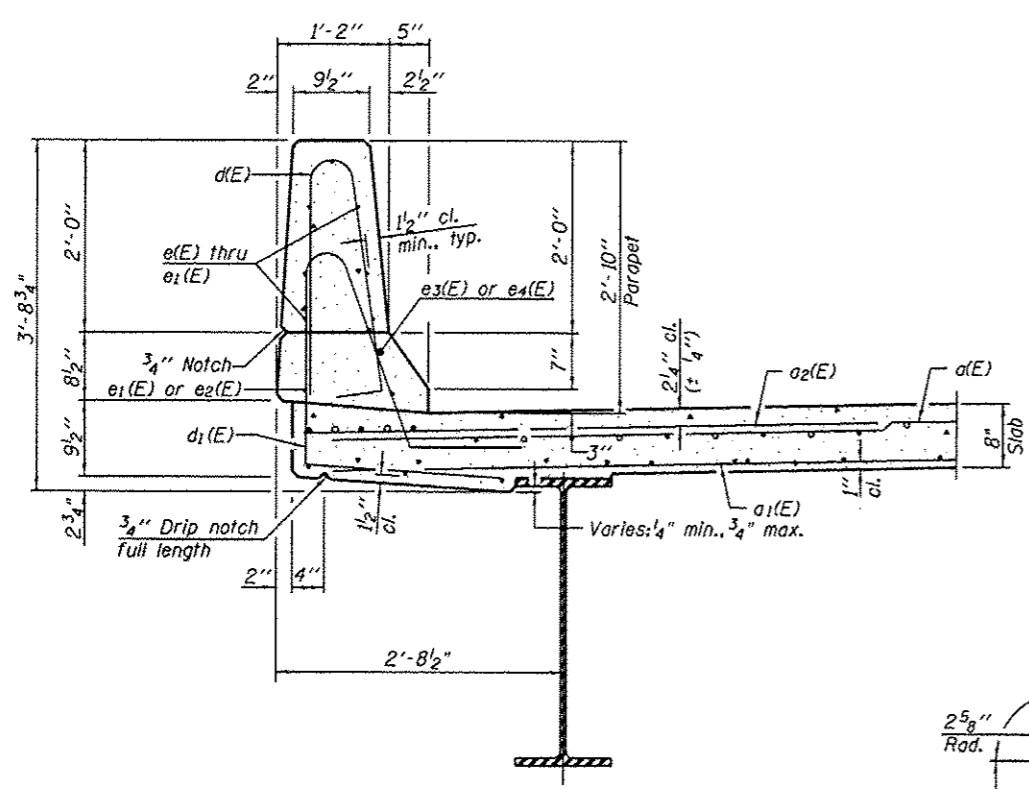
MIN. BAR LAP
 #5 bar = 2'-7"
 #6 bar = 3'-1"

- NOTES:**
1. See Sheet 9 of 25 for Section A-A.
 2. See Sheet 7 & 8 of 25 for Parapet Details, Sidewalk Details and Superstructure Bill of Material.
 3. Bars indicated thus 38x9-#5 etc. Indicates 38 lines of bars with 9 lengths per line.

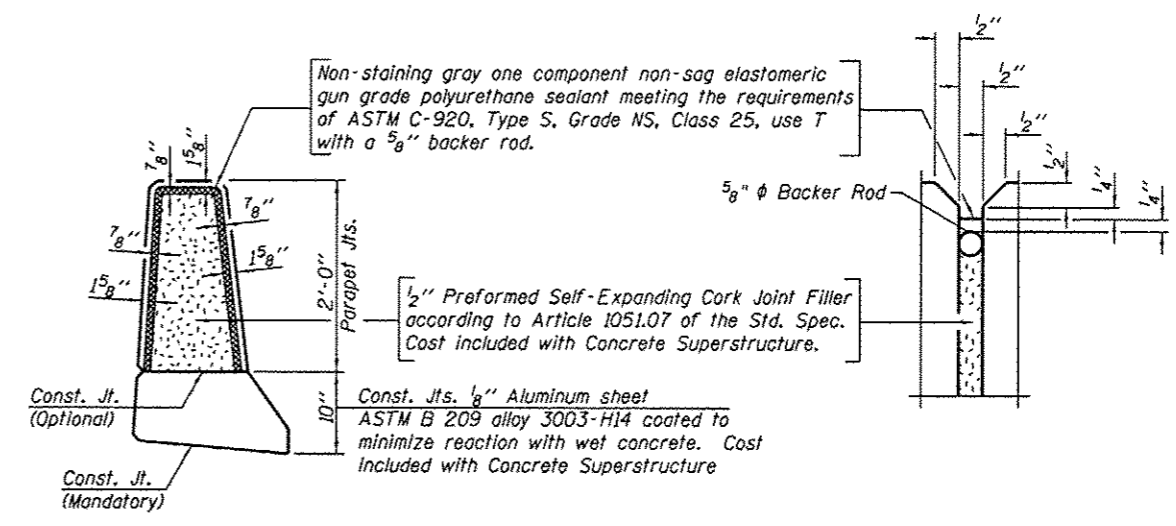
<p>CMT CHAMFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 184-00063</p>	USER NAME :	DESIGNED - CJW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUPERSTRUCTURE PLAN AND CROSS SECTION STRUCTURE NO. 072-3149 SHEET NO. 6 OF 25 SHEETS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE :	CHECKED - RJK	REVISED -					6576	11-00009-02-BR	PEORIA	109	56
	PLOT DATE :	DRAWN - CJW-GLD	REVISED -					CONTRACT NO. 89643				
		CHECKED - RJK	REVISED -					ILLINOIS FED. AID PROJECT				



INSIDE ELEVATION OF SOUTH PARAPET

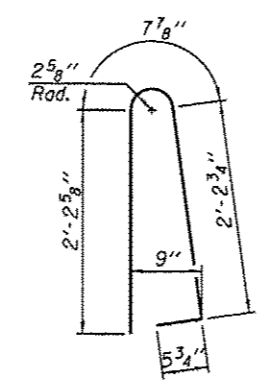


SECTION THRU PARAPET
(See Sheet 8 of 25 for Section Thru Sidewalk)

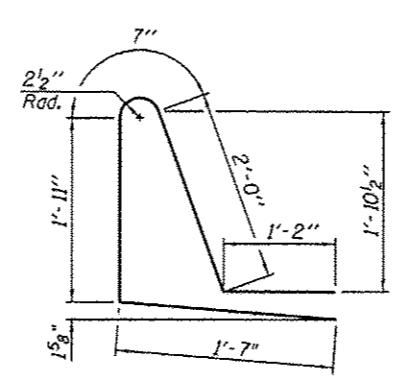


PARAPET JOINT DETAILS

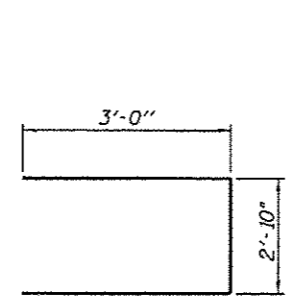
MINIMUM BAR LAP
(Parapet)
#4 bar = 2'-0"
#8 bar = 5'-2"



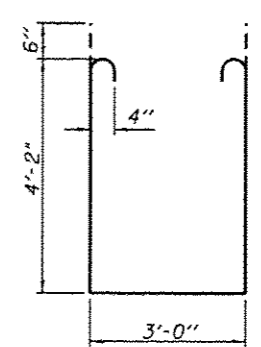
BAR d(E)



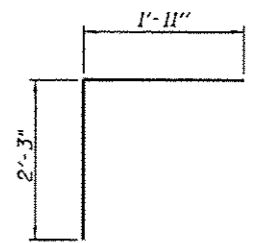
BAR d1(E)



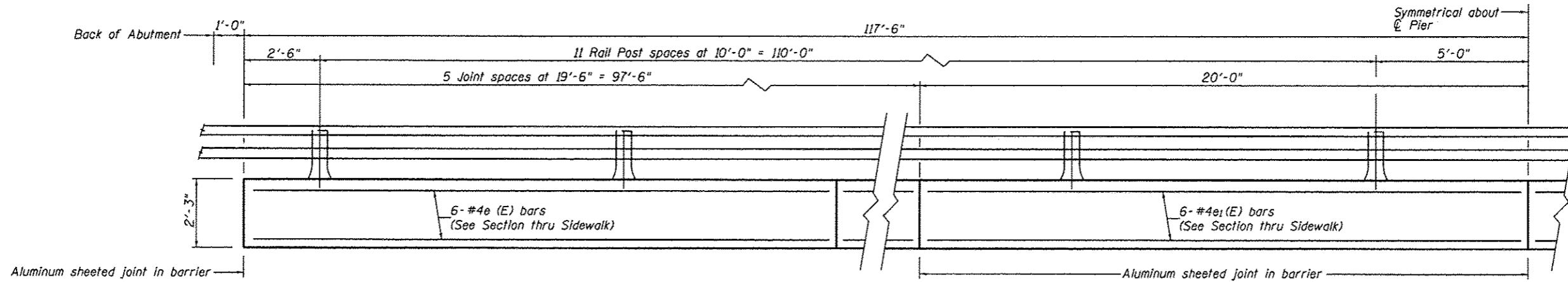
BAR s(E)



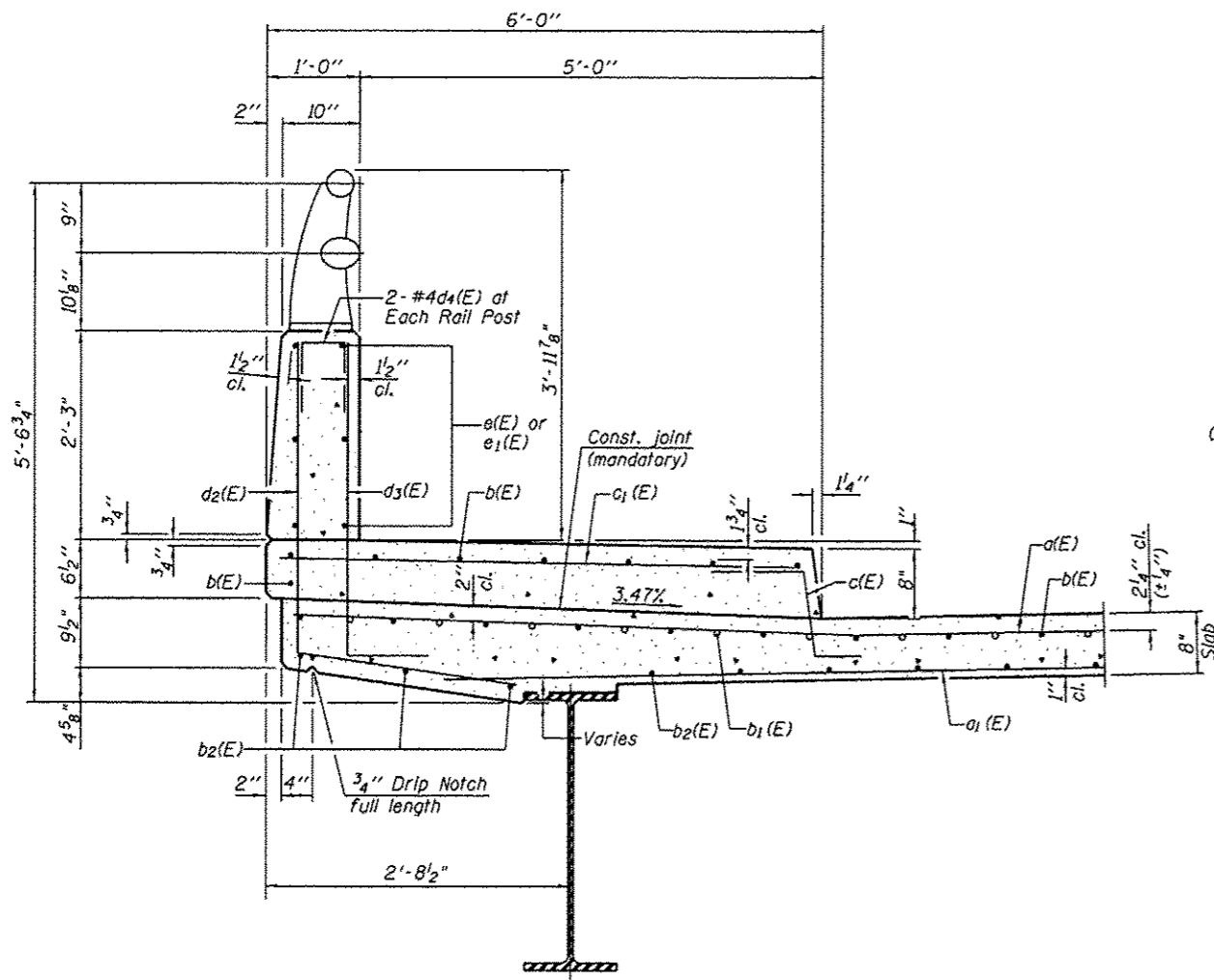
BAR s1(E)



BAR v(E)

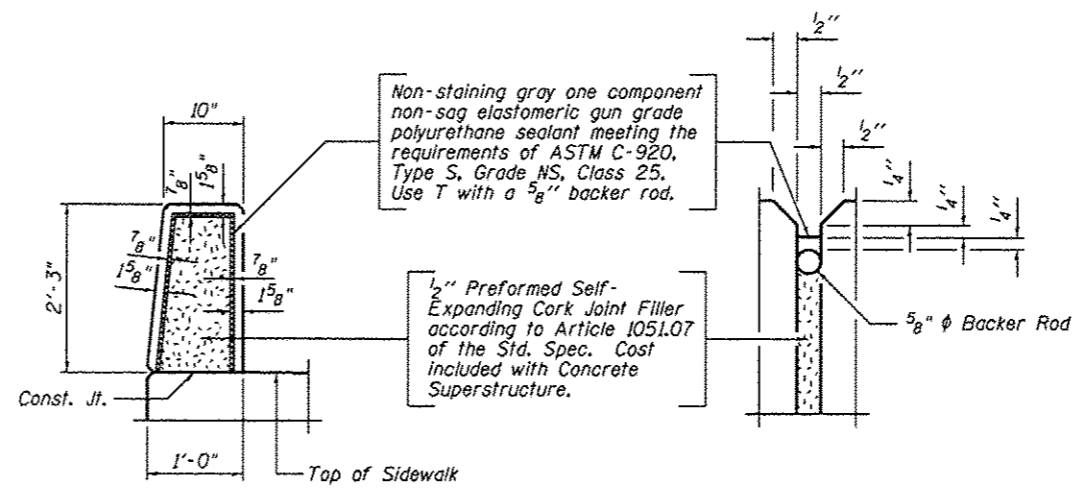


INSIDE ELEVATION OF SIDEWALK BARRIER

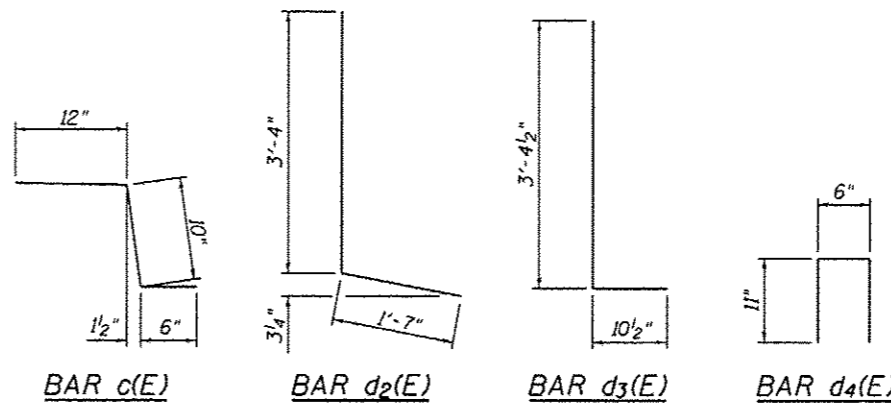


SECTION THRU SIDEWALK

For additional railing details, see Sheet 14 of 25



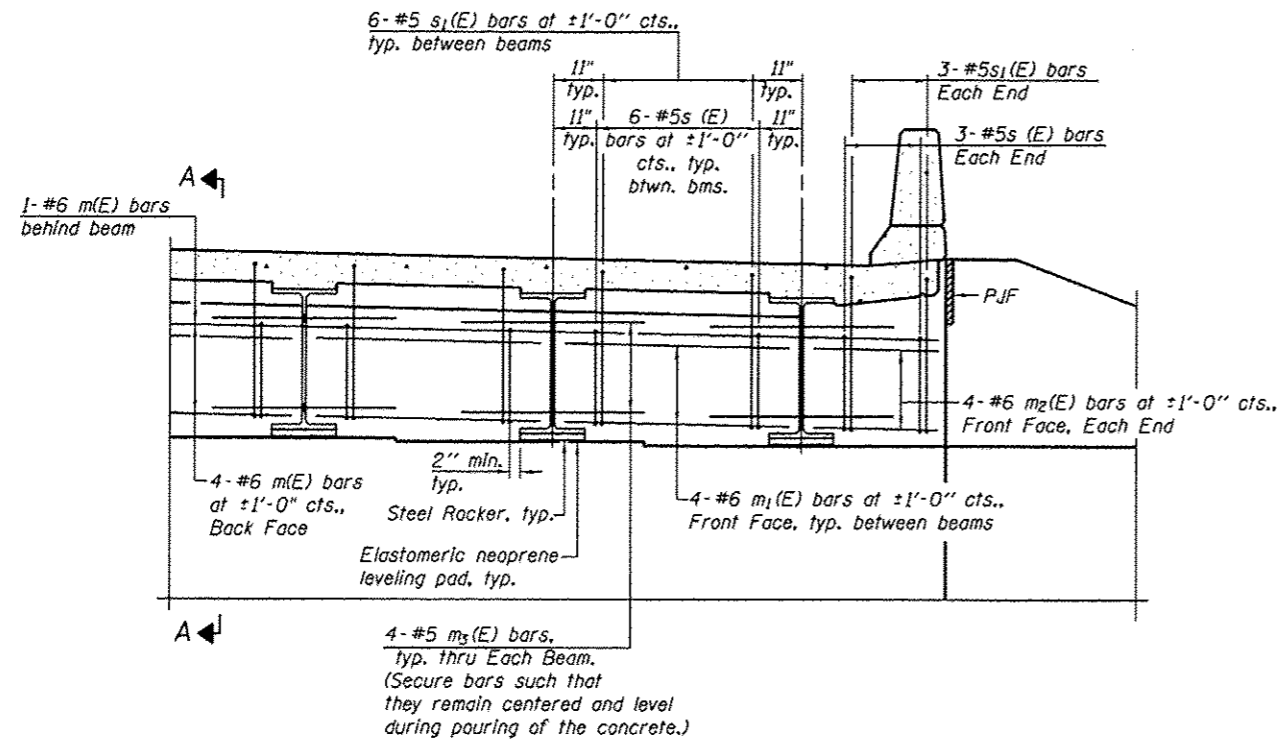
BARRIER JOINT DETAILS



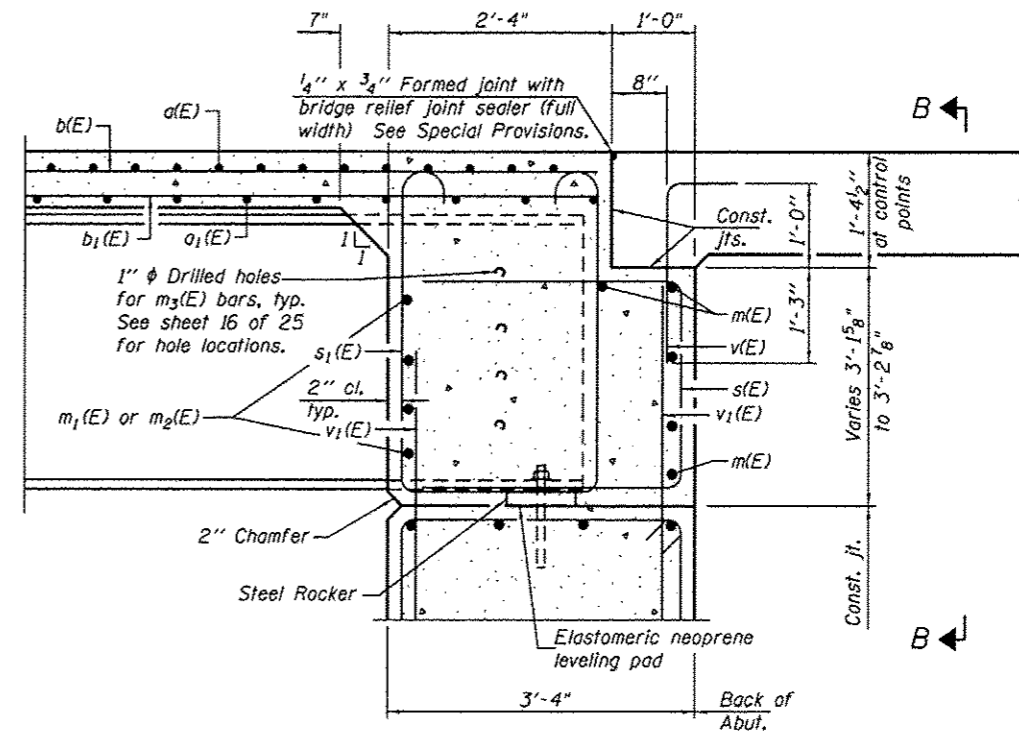
SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	434	#5	38'-11"	—
a1(E)	282	#5	38'-11"	—
a2(E)	434	#6	6'-6"	—
b(E)	441	#5	28'-5"	—
b1(E)	117	#6	27'-9"	—
b2(E)	360	#5	25'-10"	—
c(E)	236	#5	2'-4"	┌
c1(E)	236	#5	5'-6"	—
d(E)	257	#5	5'-7"	┌
d1(E)	257	#5	7'-3"	┌
d2(E)	236	#4	4'-11"	┌
d3(E)	236	#6	4'-3"	┌
d4(E)	48	#4	2'-4"	┌
e(E)	130	#4	19'-2"	—
e1(E)	28	#4	19'-8"	—
e2(E)	8	#4	25'-10"	—
e3(E)	2	#8	19'-8"	—
e4(E)	6	#8	35'-10"	—
m(E)	10	#6	39'-3"	—
m1(E)	40	#6	6'-5"	—
m2(E)	16	#6	2'-4"	—
m3(E)	48	#5	4'-0"	—
s(E)	72	#5	8'-10"	┌
s1(E)	72	#5	12'-4"	┌
v(E)	80	#5	4'-2"	┌
Concrete Superstructure			Cu. Yds.	353.7
Bridge Deck Grooving			Sq. Yds.	782
Protective Coat			Sq. Yds.	1196
Reinforcement Bars, Epoxy Coated			Pound	74,690

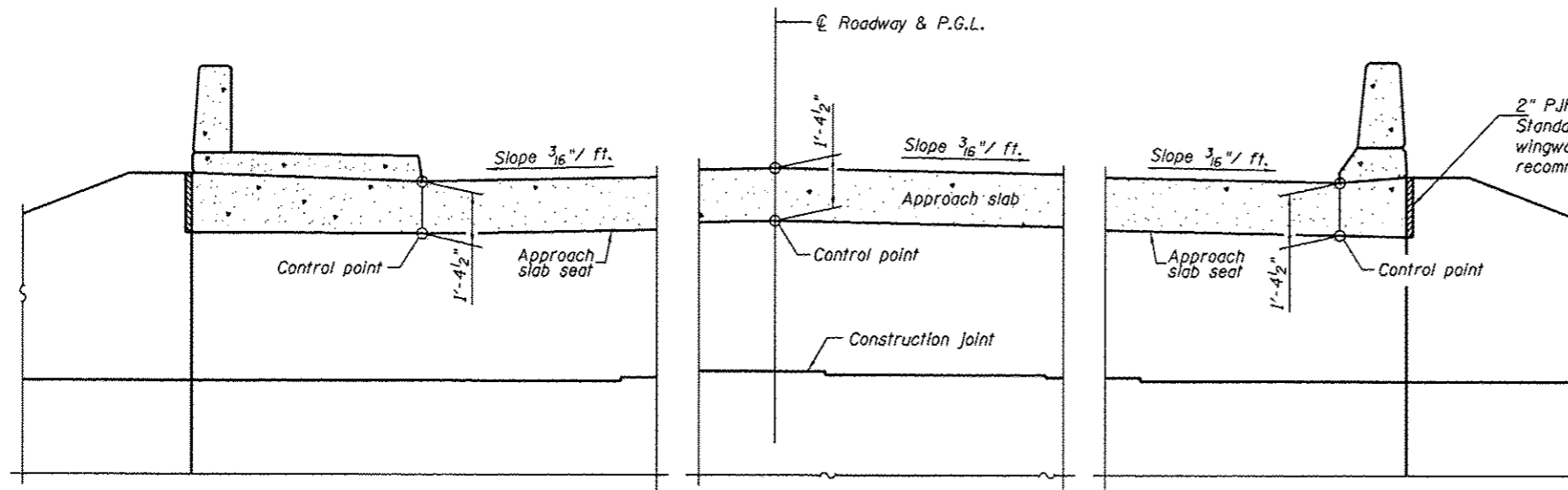
Bars indicated thus 1 x 3-#5 etc. indicates 1 line of bars with 3 lengths per line.



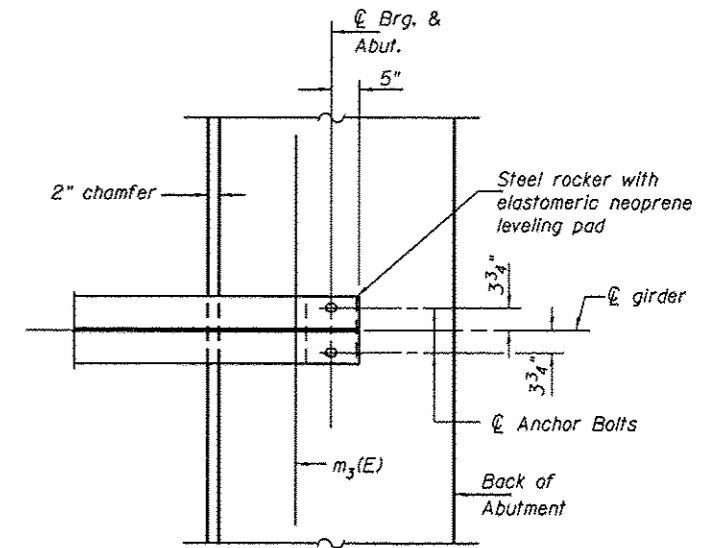
DIAPHRAGM ELEVATION AT ABUTMENT



SECTION A-A



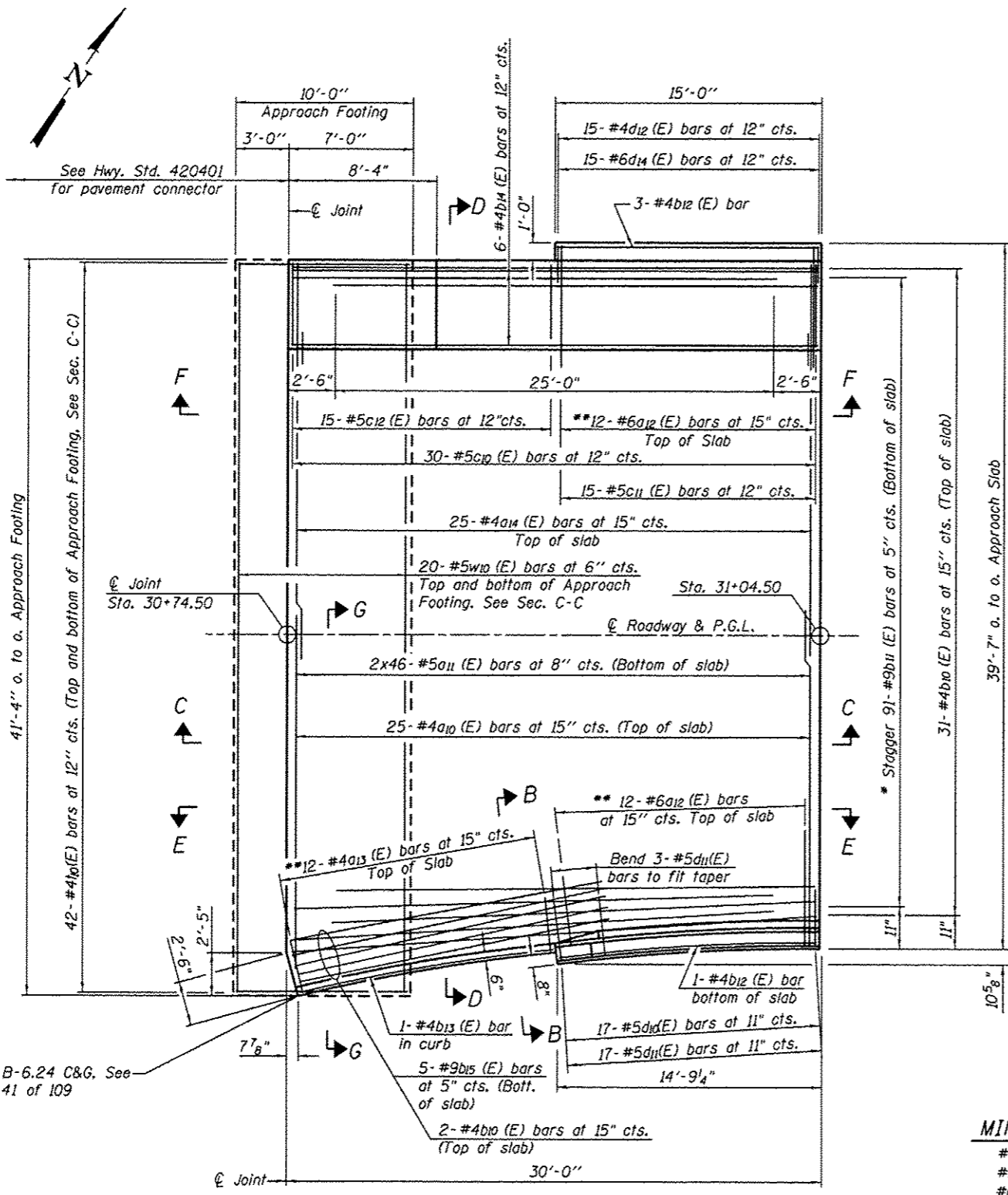
SECTION B-B



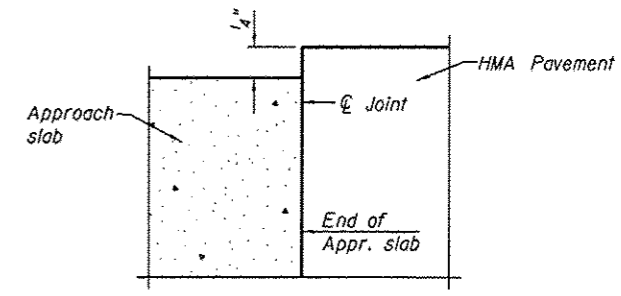
PARTIAL PLAN AT ABUTMENT
(Showing bottom flange of beam)

Notes:
 Reinforcement bars in diaphragm are billed with superstructure on sheet 8 of 25.
 Concrete in diaphragm is included with Concrete Superstructure on sheet 8 of 25.
 For details of bars s(E), s1(E) and v(E) see sheet 7 of 25.
 The approach slab seat shall have a constant slope determined from the control points shown.
 For bearing details see sheet 16 of 25.

 CMT CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 184-00063	USER NAME =	DESIGNED - CJW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTEGRAL ABUTMENT DIAPHRAGM DETAILS STRUCTURE NO. 072-3149	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	CHECKED - RJK	REVISED -			6576	11-00009-02-BR	PEDRIA	109	59
	PLOT DATE =	DRAWN - CJW-GLD	REVISED -			CONTRACT NO. 89643				
		CHECKED - RJK	REVISED -			ILLINOIS FED. AID PROJECT				

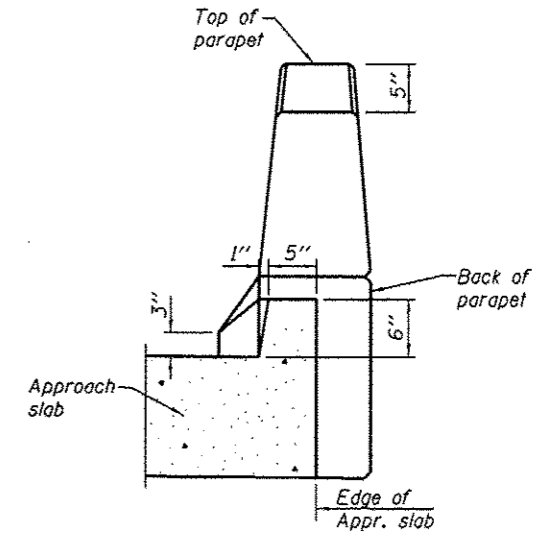


Notes:
See sheet 11 of 25 for Sections C-C, D-D & G-G and View E-E & F-F.
a₁₀ (E) and a₁₁ (E) bar spacings measured along \bar{C} Rdwy.



FLEXIBLE PAVEMENT

DETAIL A
Refer to Section C-C, Sheet 11 of 25



VIEW B-B

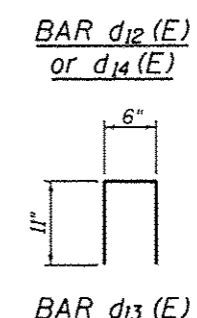
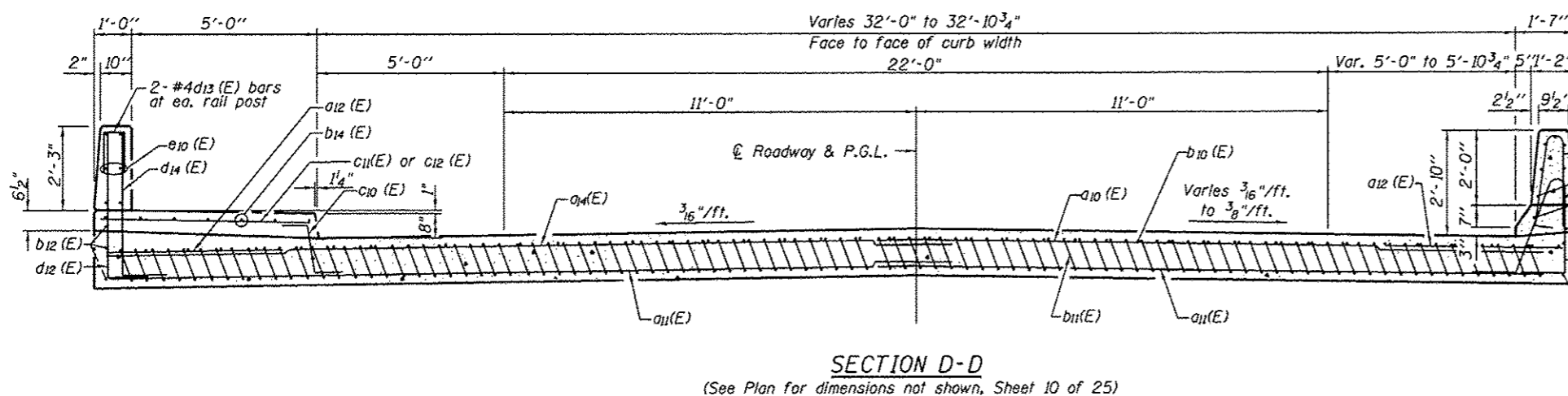
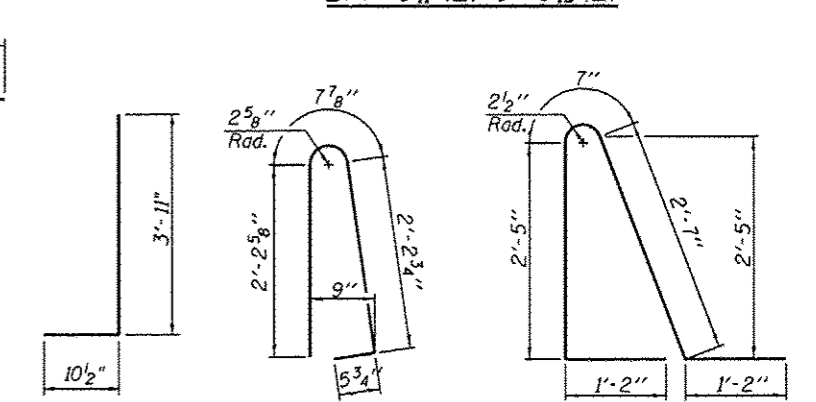
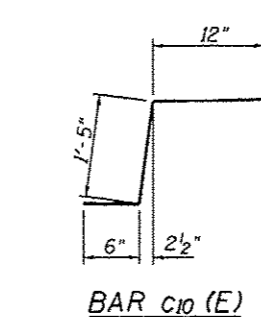
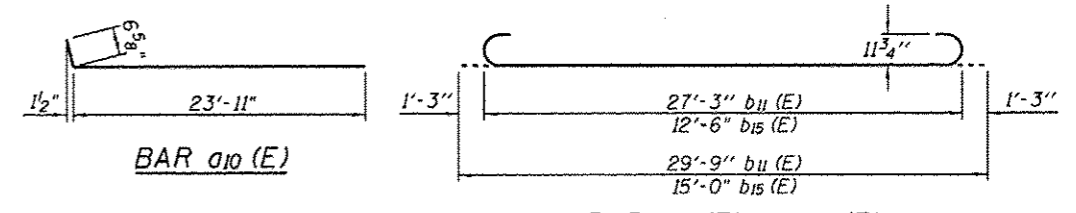
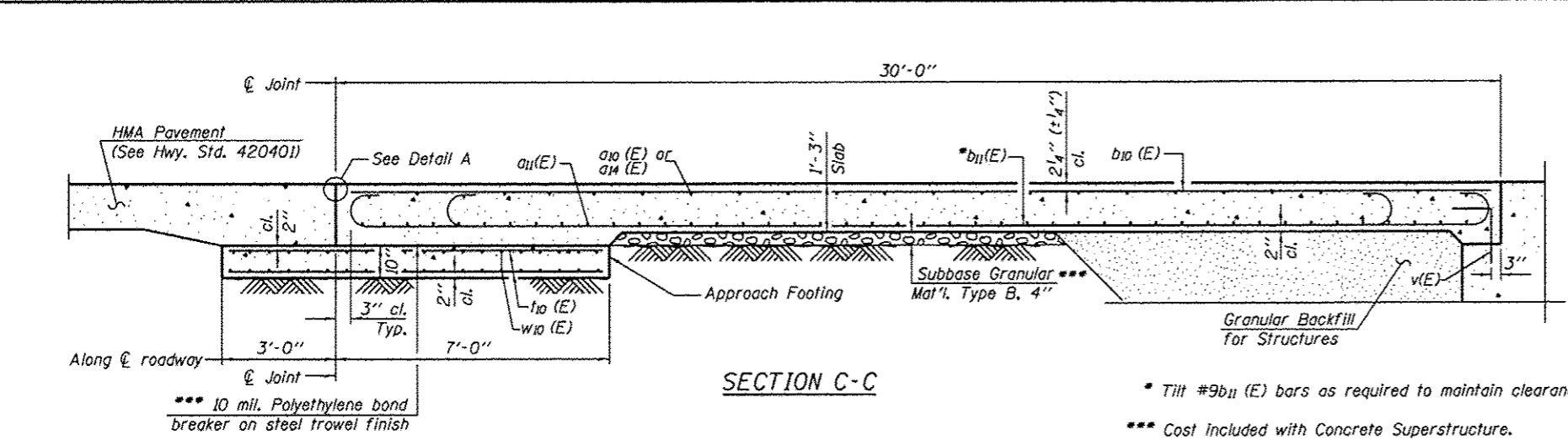
MIN. BAR LAP
#4 bar = 2'-7"
#5 bar = 3'-3"
#6 bar = 3'-10"

PLAN

* Tilt #9b₁₁(E) bars as required to maintain clearance.
** Space between a₁₀ (E) and a₁₄ (E) bars.

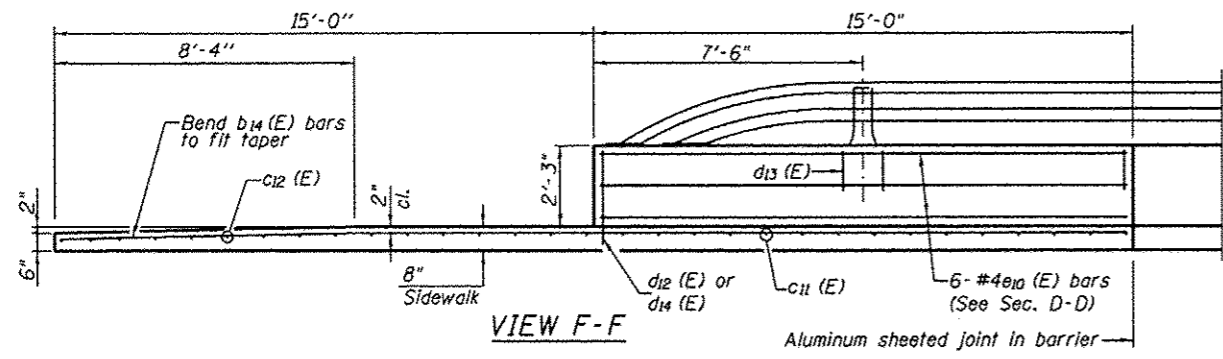
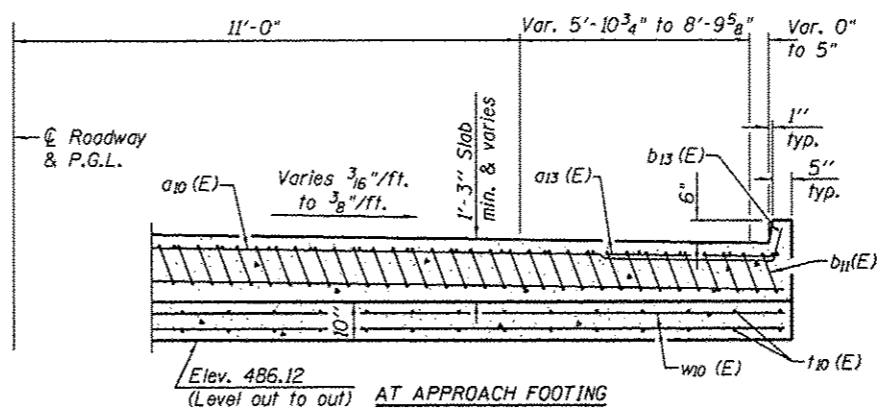
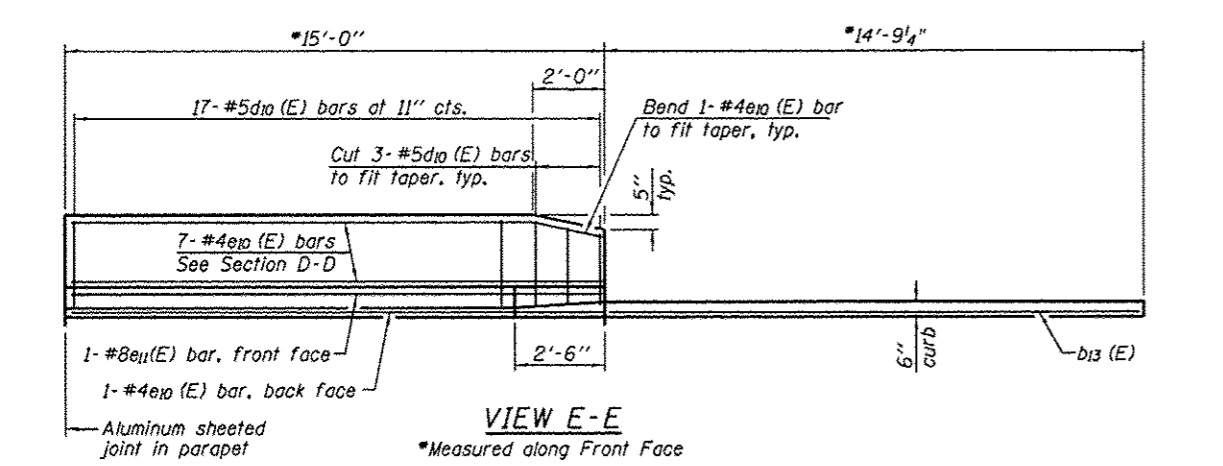
Match B-6.24 C&G. See Sheet 41 of 109

<p>CMT CRAWFORD, MURPHY & TALLY, INC. CONSULTING ENGINEERS License No. 184-00063</p>	USER NAME =	DESIGNED - CJW	REVISED -	<p>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p>WEST BRIDGE APPROACH SLAB DETAILS I STRUCTURE NO. 072-3149</p>	F.A. RTE. =	SECTION =	COUNTY =	TOTAL SHEETS =	SHEET NO. =
	PLOT SCALE =	CHECKED - RJK	REVISED -			6576	11-00009-02-BR	PEORIA	109	60
	PLOT DATE =	DRAWN - CJW-GLO	REVISED -							
		CHECKED - RJK	REVISED -		SHEET NO. 10 OF 25 SHEETS	ILLINOIS FED. AID PROJECT				



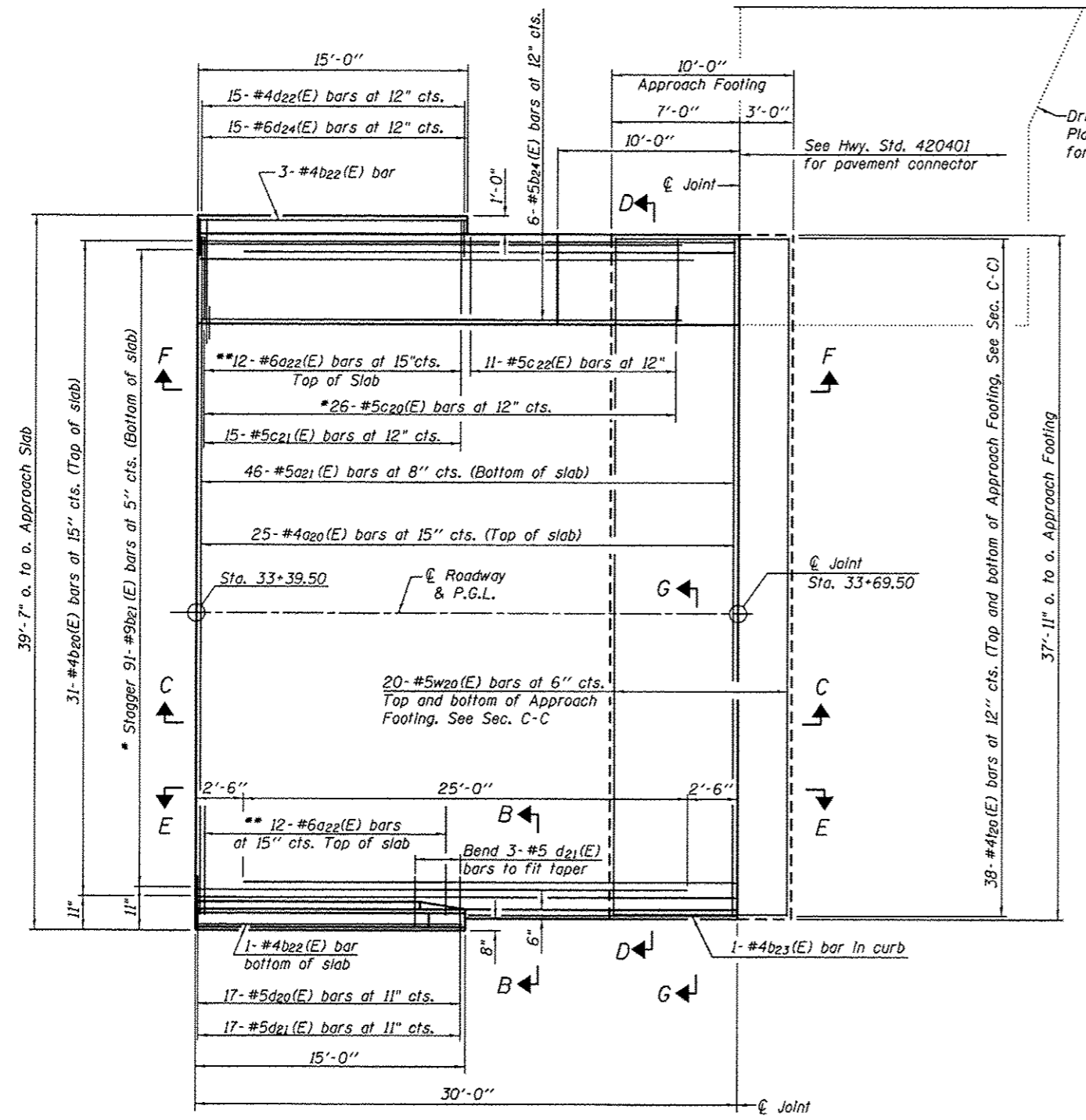
**WEST APPROACH
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a10(E)	25	#4	24'-6"	—
a11(E)	92	#5	22'-2"	—
a12(E)	24	#6	6'-6"	—
a13(E)	12	#4	4'-0"	—
a14(E)	25	#4	19'-7"	—
b10(E)	33	#4	29'-8"	—
b11(E)	91	#9	29'-9"	—
b12(E)	4	#4	14'-8"	—
b13(E)	1	#4	14'-8"	—
b14(E)	6	#5	29'-8"	—
b15(E)	5	#9	15'-0"	—
c10(E)	30	#5	2'-11"	—
c11(E)	15	#5	5'-8"	—
c12(E)	15	#5	4'-8"	—
d10(E)	17	#5	5'-7"	—
d11(E)	17	#5	7'-11"	—
d12(E)	15	#4	4'-10"	—
d13(E)	2	#4	2'-4"	—
d14(E)	15	#6	4'-10"	—
e10(E)	14	#4	14'-8"	—
e11(E)	1	#8	14'-8"	—
t10(E)	84	#4	9'-8"	—
w10(E)	40	#5	41'-0"	—
Structure Excavation		Cu. Yd.	20	
Concrete Structures		Cu. Yd.	12.8	
Concrete Superstructure		Cu. Yd.	63.5	
Bridge Deck Grooving		Sq. Yds.	103	
Protective Coat		Sq. Yds.	137	
Reinforcement Bars, Epoxy Coated		Pound	16,560	



SECTION G-G
(See Plan for dimensions not shown, Sheet 10 of 25)

NOTES:
See sheet 10 of 25 for Detail A and View B-B.
Approach slab and parapet concrete shall be paid for as Concrete Superstructure.
Approach footing concrete shall be paid for as Concrete Structures.
Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.
For v(E) bar details, see sheet 7 of 25.
The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
Cost of excavation for approach footing included with Structure Excavation.
For Granular Backfill for Structures and drainage treatment details, see sheet 2 of 25.
For additional parapet and barrier details, see sheet 7 & 8 of 25.
For additional railing details, see sheet 14 of 25.



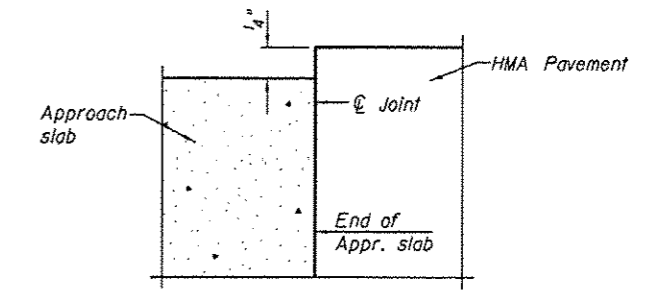
PLAN

- * Tilt #9b21(E) and #5c20(E) bars as required to maintain clearance.
- ** Space between a20(E) bars.

Driveway, see Roadway Plan Sheet 43 of 109 for details

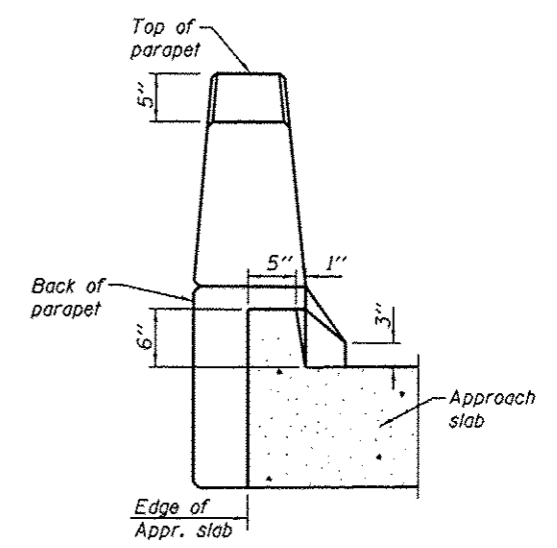
See Hwy. Std. 420401 for pavement connector

Notes:
See sheet 13 of 25 for Sections C-C, D-D & G-G and View E-E & F-F. a20(E) and a21(E) bar spacings measured along $\text{\textcircled{C}}$ Rdwy.



FLEXIBLE PAVEMENT

DETAIL A
Refer to Section C-C, Sheet 13 of 25



VIEW B-B

CMT
CRAWFORD, MURPHY & TULLY, INC.
CONSULTING ENGINEERS
License No. 184-00063

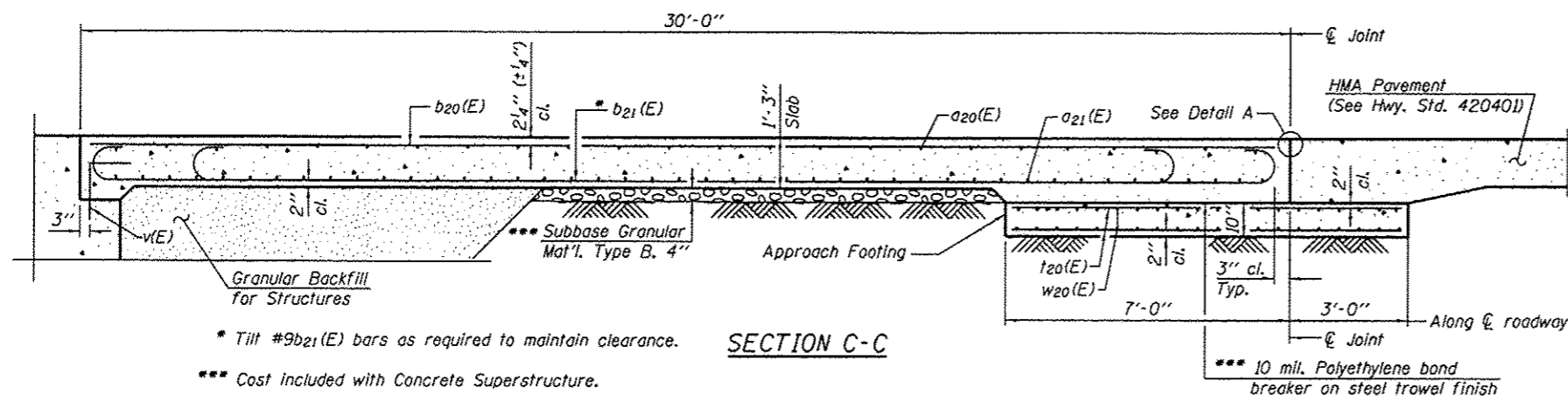
USER NAME :	DESIGNED - CJW	REVISED -
PLOT SCALE :	CHECKED - RJK	REVISED -
PLOT DATE :	DRAWN - CJW-GLD	REVISED -
	CHECKED - RJK	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

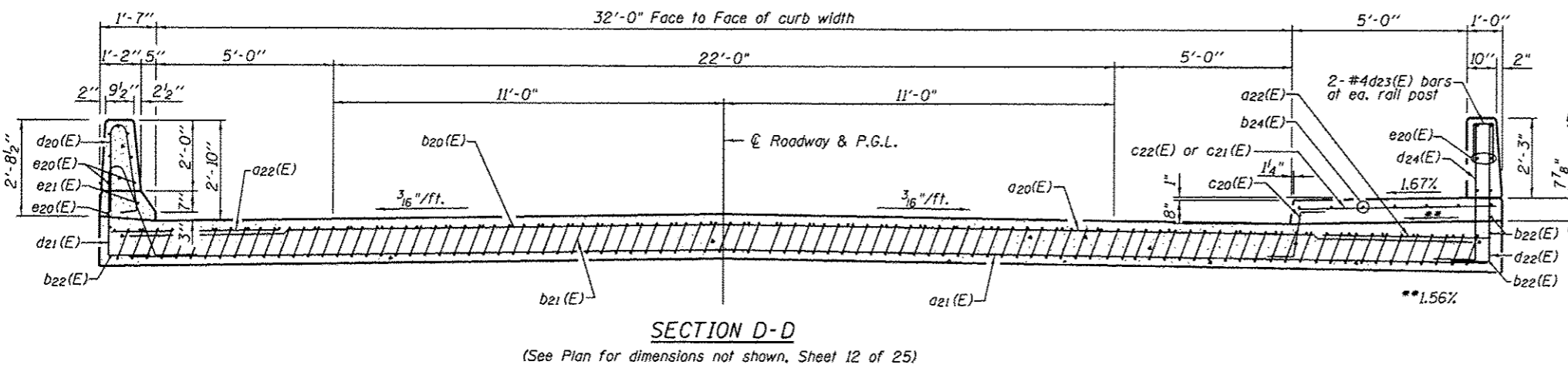
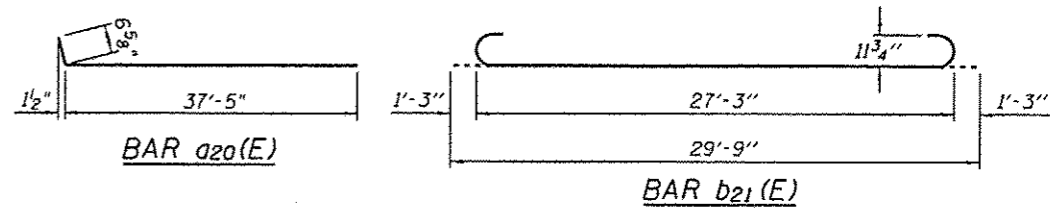
EAST BRIDGE APPROACH SLAB DETAILS I
STRUCTURE NO. 072-3149

SHEET NO. 12 OF 25 SHEETS

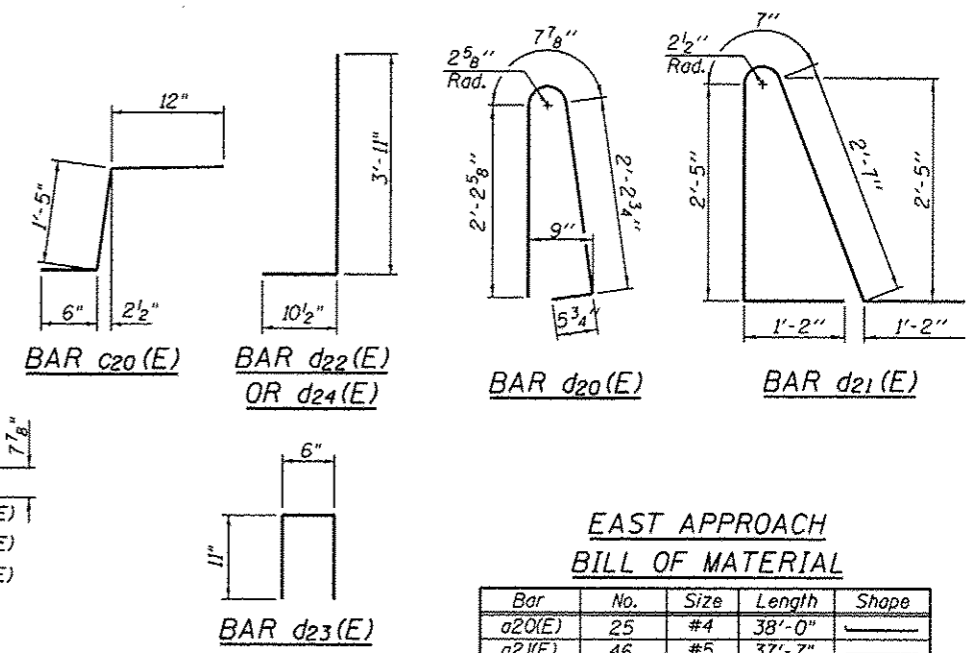
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	62
CONTRACT NO. 89643			ILLINOIS FED. AID PROJECT	



* Tilt #9b21(E) bars as required to maintain clearance.
 *** Cost included with Concrete Superstructure.

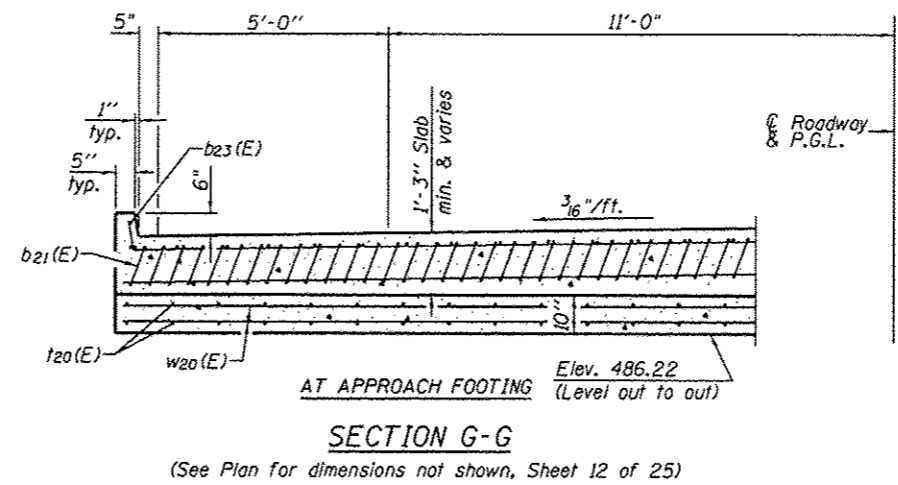


SECTION D-D
 (See Plan for dimensions not shown, Sheet 12 of 25)

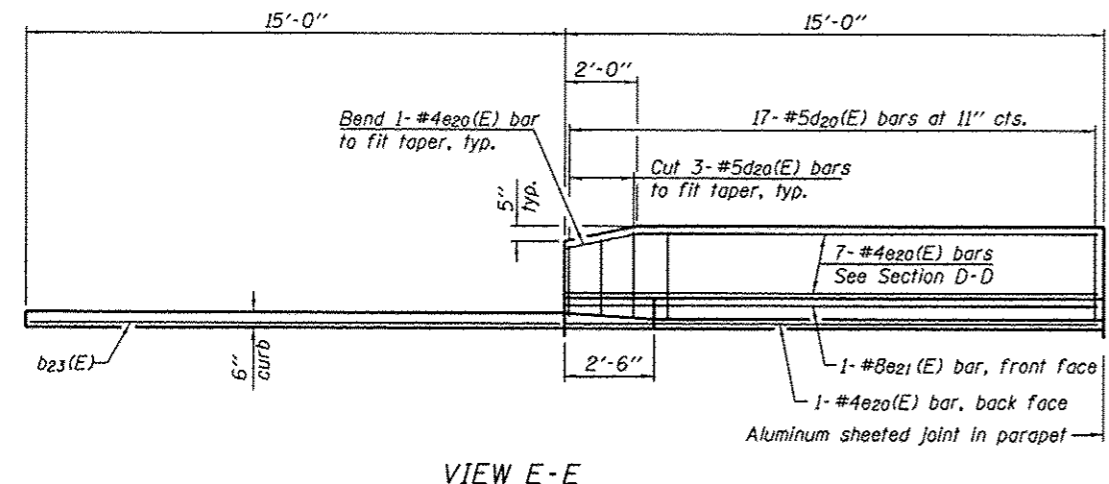


EAST APPROACH
 BILL OF MATERIAL

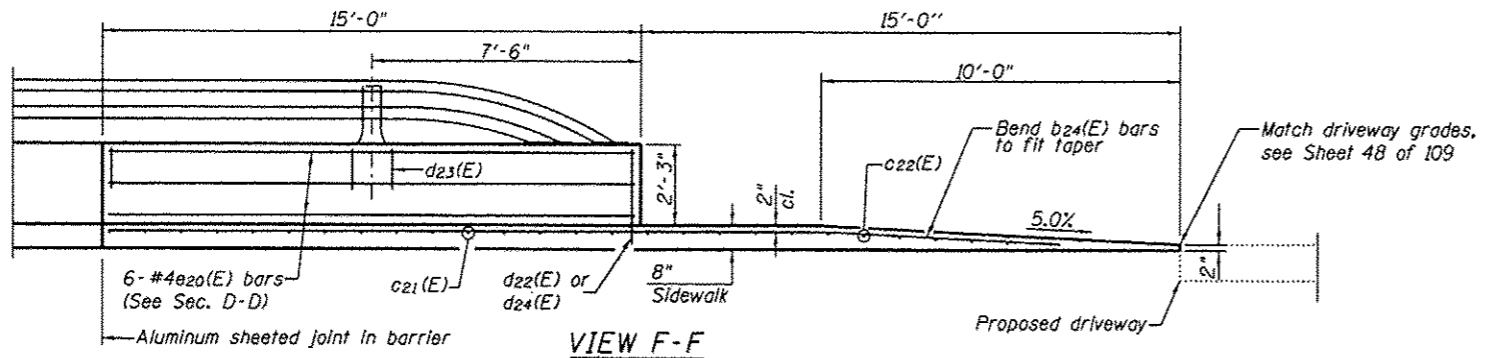
Bar	No.	Size	Length	Shape
a20(E)	25	#4	38'-0"	
a21(E)	46	#5	37'-7"	
a22(E)	24	#6	6'-6"	
b20(E)	31	#4	29'-8"	
b21(E)	91	#9	29'-9"	
b22(E)	4	#4	14'-8"	
b23(E)	1	#4	14'-8"	
b24(E)	6	#5	26'-6"	
c20(E)	26	#5	2'-11"	
c21(E)	15	#5	5'-8"	
c22(E)	11	#5	4'-8"	
d20(E)	17	#5	5'-7"	
d21(E)	17	#5	7'-11"	
d22(E)	15	#4	4'-10"	
d23(E)	2	#4	2'-4"	
d24(E)	15	#6	4'-10"	
e20(E)	14	#4	14'-8"	
e21(E)	1	#8	14'-8"	
t20(E)	76	#4	9'-8"	
w20(E)	40	#5	37'-7"	
Structure Excavation			Cu. Yd.	18
Concrete Structures			Cu. Yd.	11.6
Concrete Superstructure			Cu. Yd.	61.0
Bridge Deck Grooving			Sq. Yds.	99
Protective Coat			Sq. Yds.	137
Reinforcement Bars, Epoxy Coated			Pound	15,570



SECTION G-G
 (See Plan for dimensions not shown, Sheet 12 of 25)

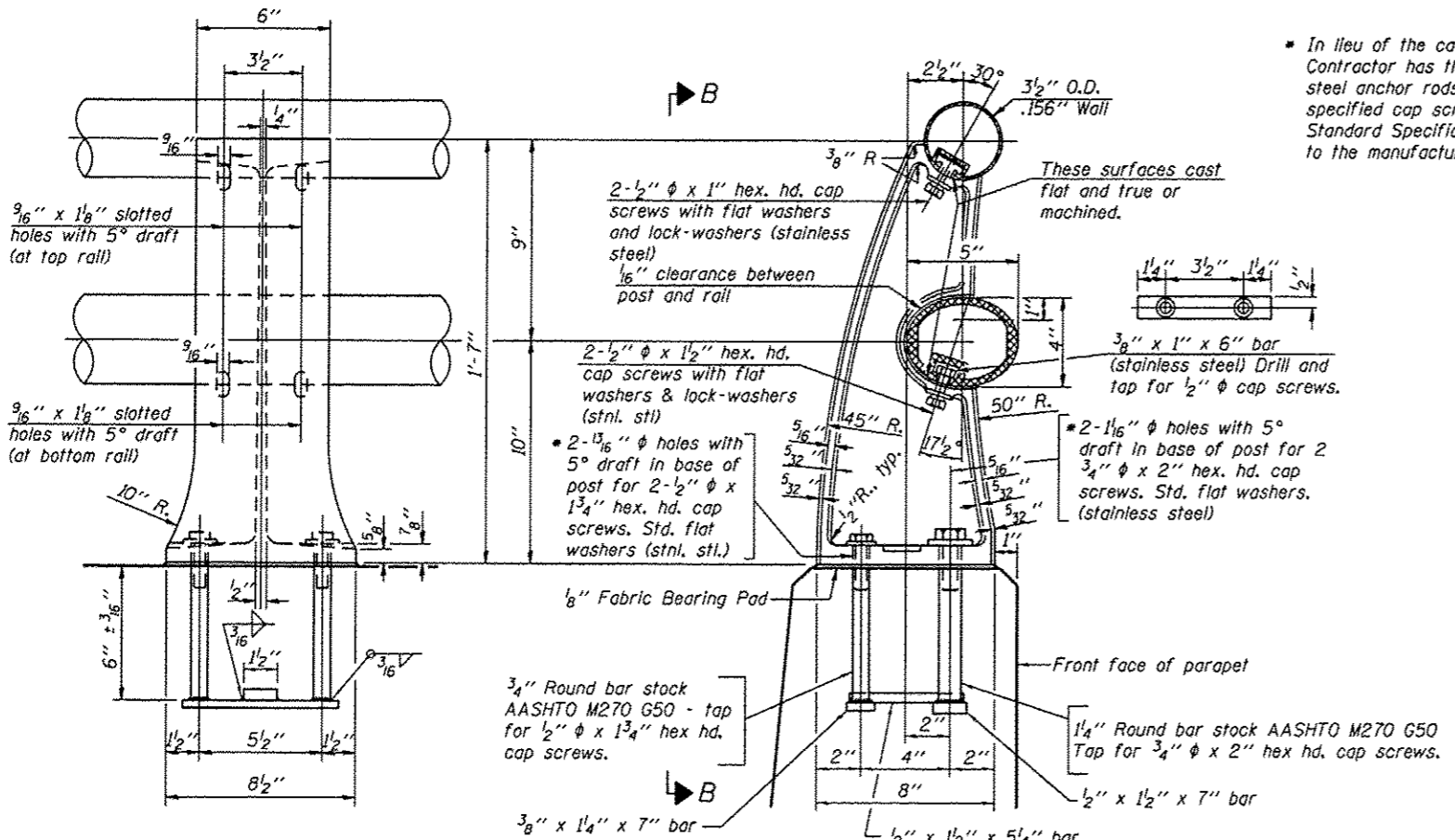


VIEW E-E

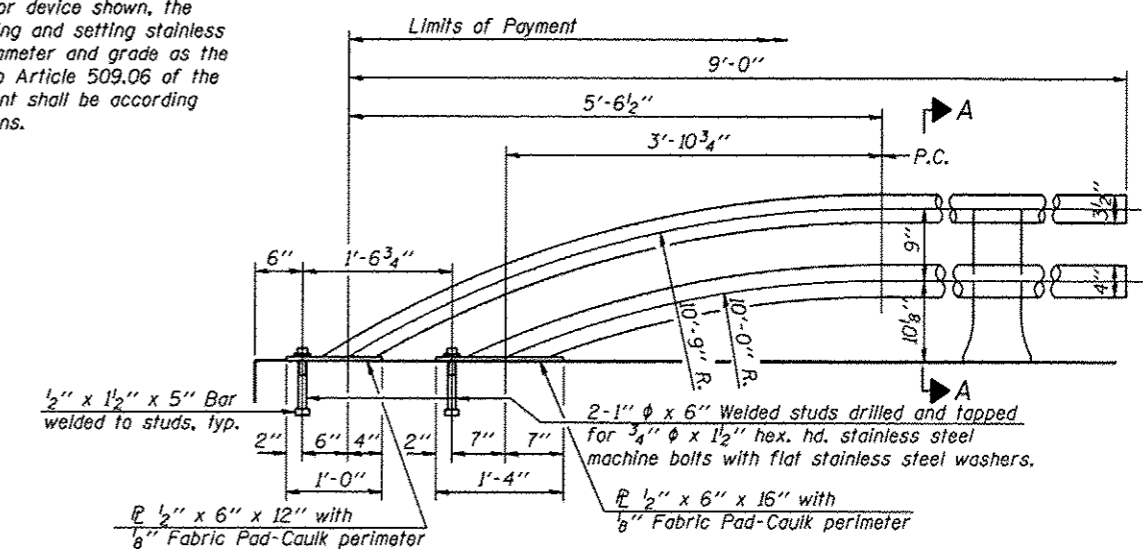


VIEW F-F

NOTES:
 See sheet 12 of 25 for Detail A and View B-B.
 Approach slab and parapet concrete shall be paid for as Concrete Superstructure.
 Approach footing concrete shall be paid for as Concrete Structures.
 Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.
 For v(E) bar details, see sheet 7 of 25.
 The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
 Cost of excavation for approach footing included with Structure Excavation.
 For Granular Backfill for Structures and drainage treatment details, see sheet 2 of 25.
 For additional parapet and barrier details, see sheet 7 and 8 of 25.
 For additional railing details see sheet 14 of 25.



* In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting stainless steel anchor rods of the same diameter and grade as the specified cap screws according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

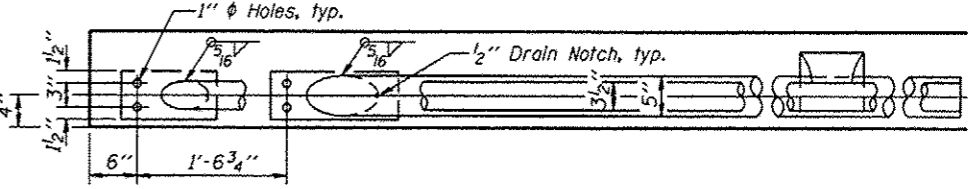


VIEW B-B

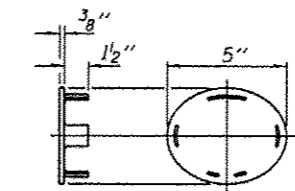
RAIL POST DETAILS

SECTION A-A

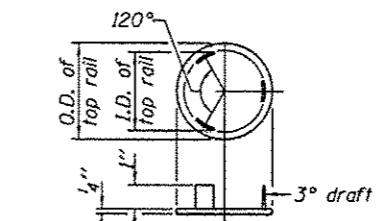
RAIL TERMINAL SECTION



Note:
The end rail post shall be set back as required for the terminal rail section.



CAST END CAP
For bottom rail
DRIVE FIT TYPE



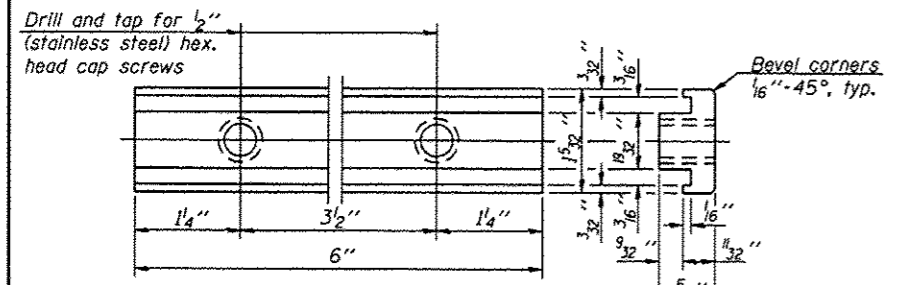
CAST END CAP
For top rail

Notes:

All Posts shall be normal to parapet.
All joints in rail shall be spliced per detail.
All exposed rail ends shall be capped per detail.
Provide 1-1/8 inch and 2-1/16 inch Aluminum Shims for 25% of the Posts. Rail elements shall be parallel to Grade-high spots will be ground and low spots shimmed.
See sheet 8 of 25 for rail post spacing.

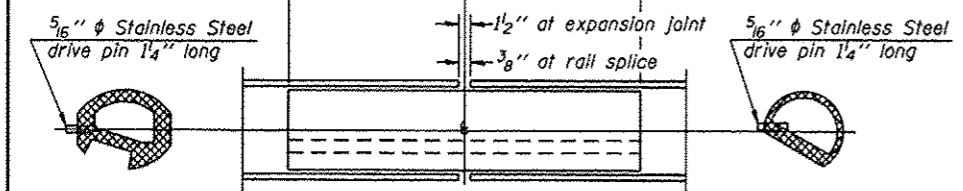
BILL OF MATERIAL

Item	Unit	Quantity
Aluminum Railing, Type L	Foot	263



RAIL POST CLAMP BAR

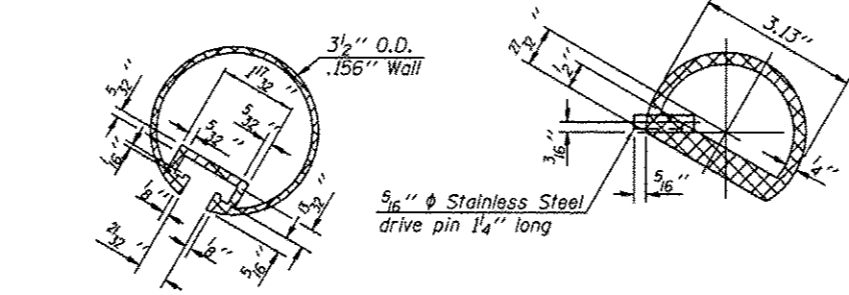
For Top Rail



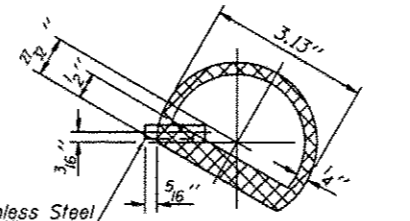
RAIL SPLICE

BOTTOM RAIL

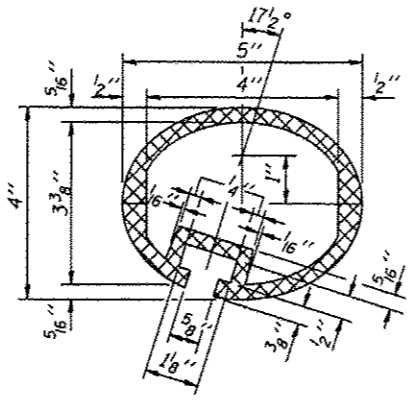
TOP RAIL



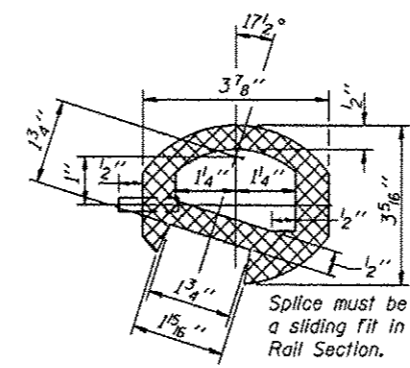
SECTION THRU TOP RAIL



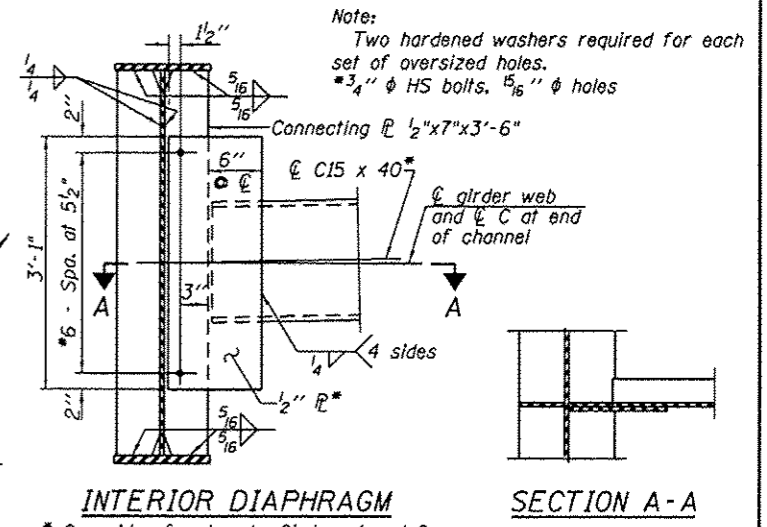
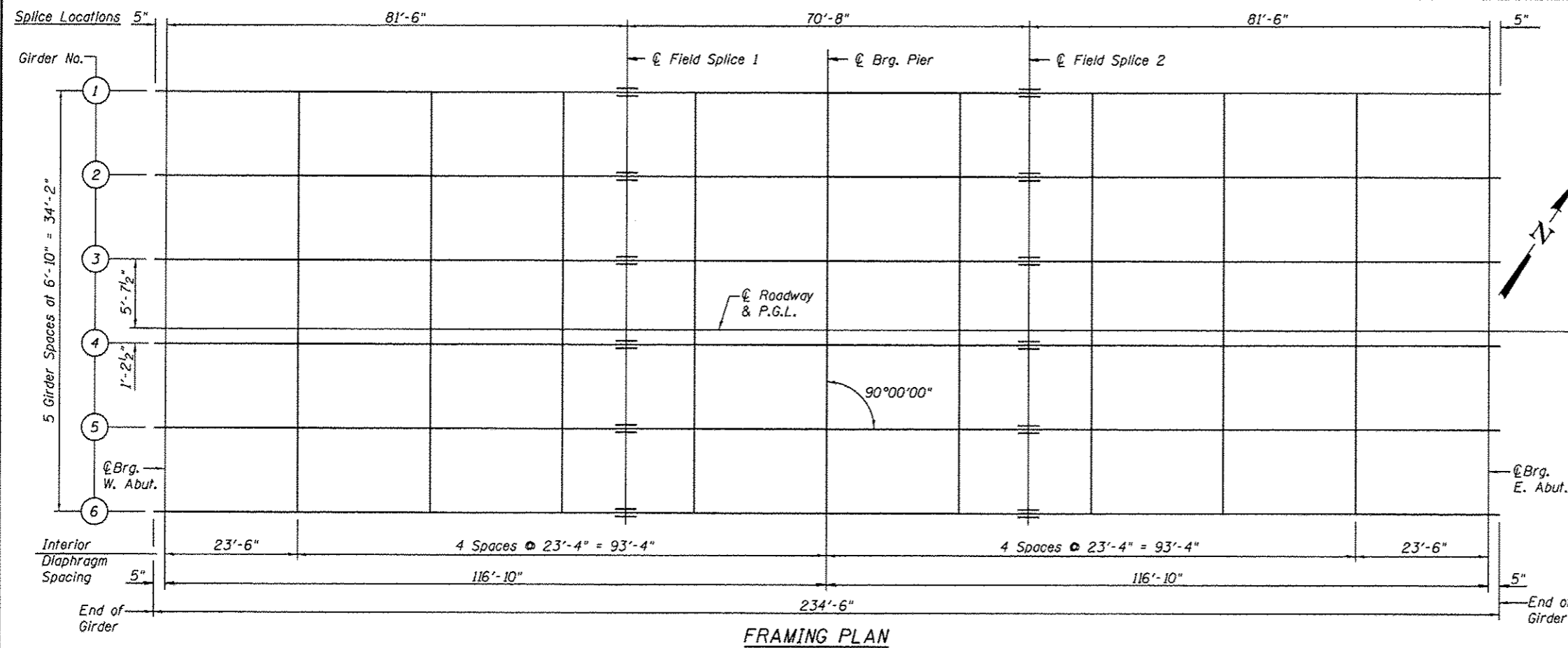
SECTION THRU SPLICE
For Top Rail



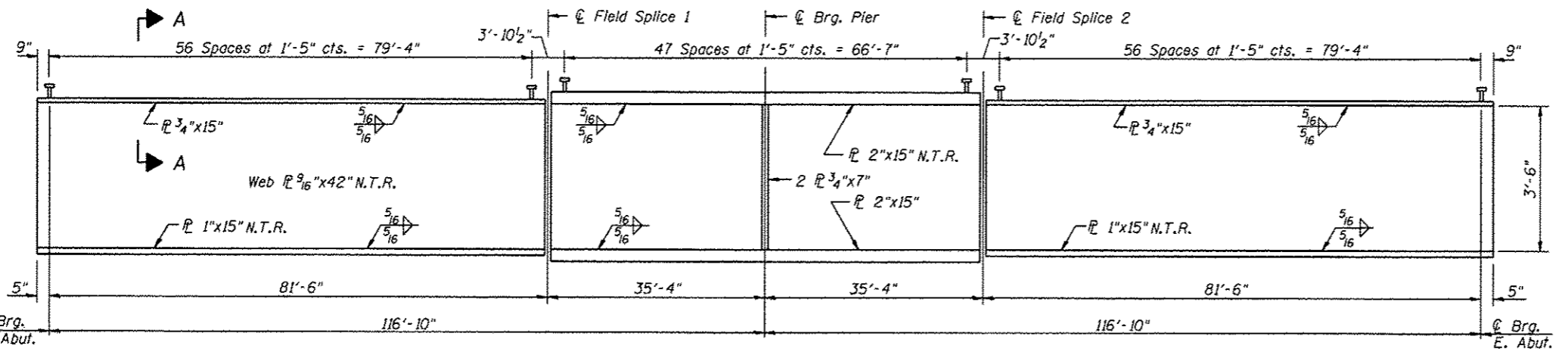
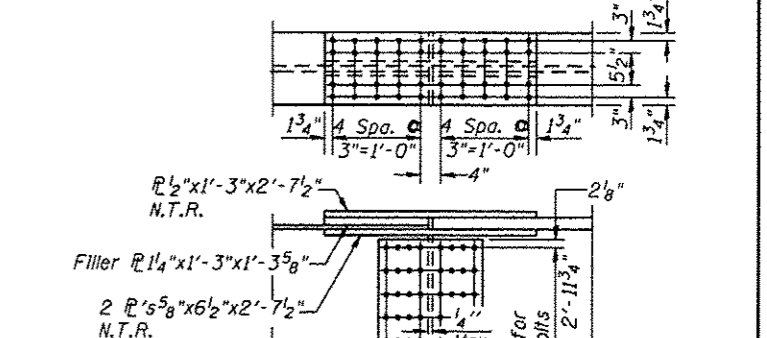
SEC. THRU ELLIPTICAL
RAIL SECTION



SEC. THRU SPLICE

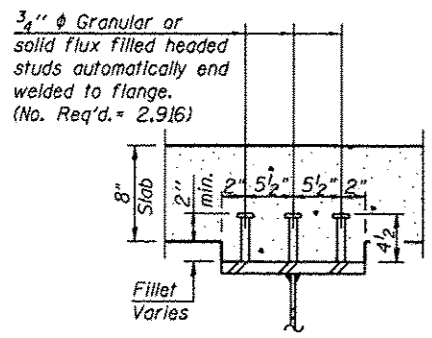


Note:
Two hardened washers required for each set of oversized holes.
* 3/4" ϕ HS bolts, 5/16" ϕ holes

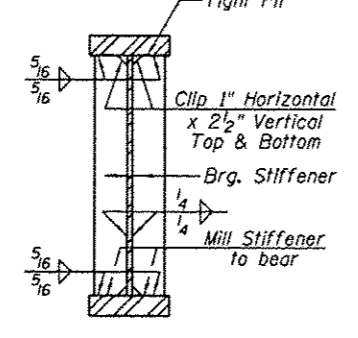


GIRDER ELEVATION

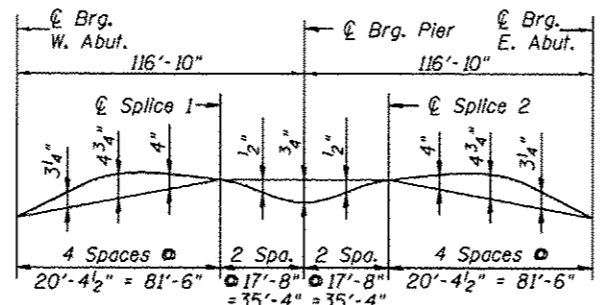
"NTR" denotes plates to which notch toughness requirements are applicable.



SECTION A-A



SECTION AT PIER



CAMBER DIAGRAM

TOP OF WEB ELEVATIONS

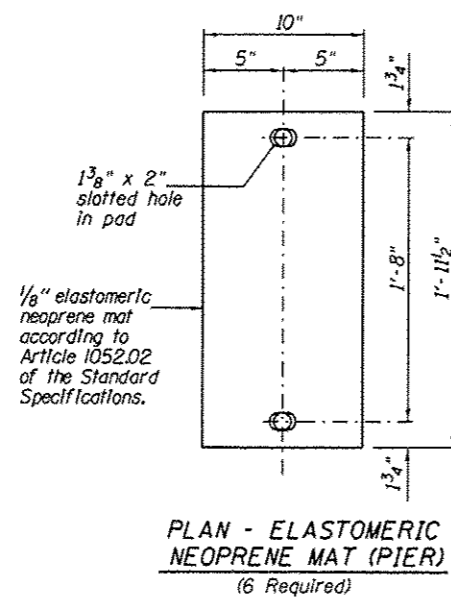
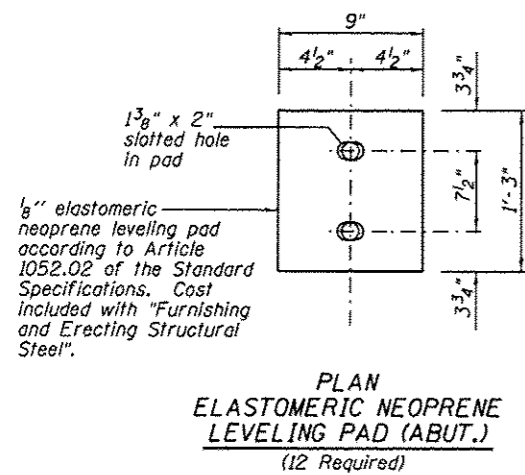
LOCATION	GIRDER 1	GIRDER 2	GIRDER 3	GIRDER 4	GIRDER 5	GIRDER 6
⊕ Brg. W. Abut.	488.67	488.61	488.72	488.79	488.68	488.57
⊕ Splice 1	489.77	489.71	489.82	489.89	489.78	489.67
⊕ Pier 1	489.92	489.86	489.97	490.04	489.93	489.82
⊕ Splice 2	489.72	489.66	489.77	489.84	489.73	489.62
⊕ Brg. E. Abut.	488.50	488.44	488.55	488.62	488.51	488.41

For Fabrication Only

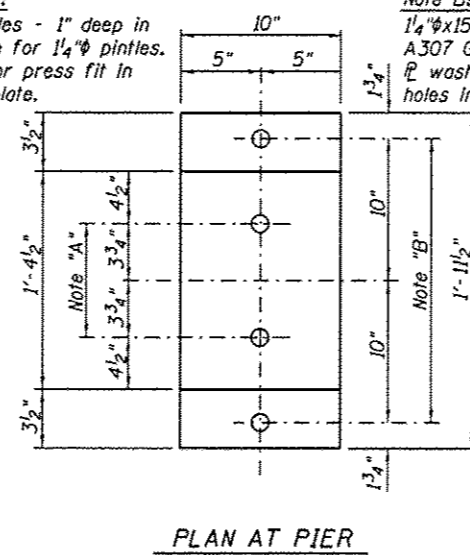
- NOTES:**
- All cross frames or diaphragms shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted. Individual cross frames or diaphragms at supports may be temporarily disconnected to install bearing anchor rods.
 - Load carrying components designed "N.T.R." shall conform to the supplemental requirements for notch toughness (Zone 2).

BILL OF MATERIAL

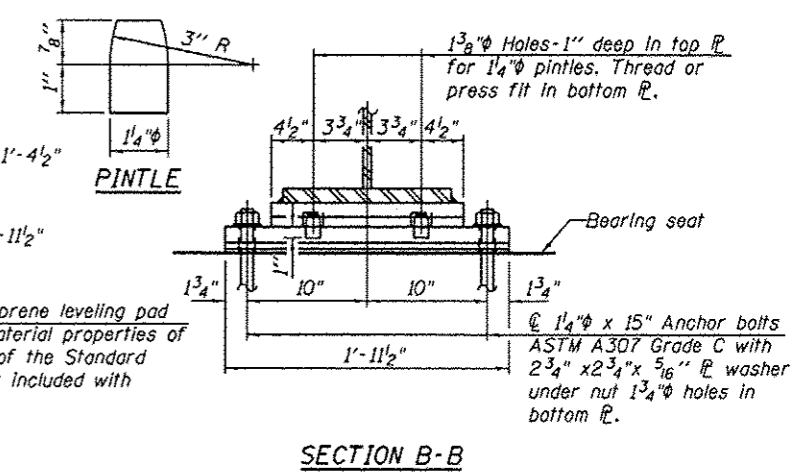
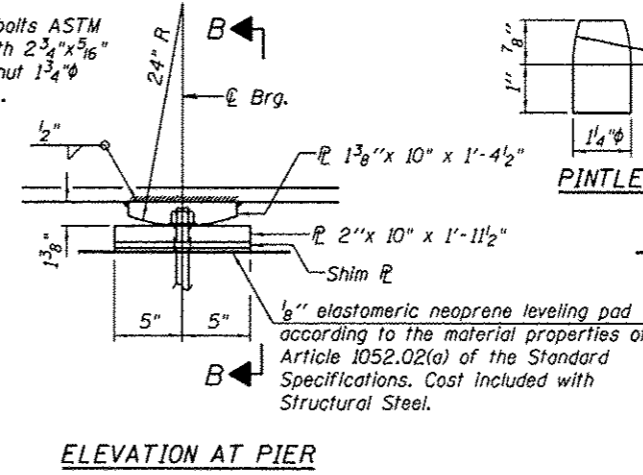
ITEM	UNIT	TOTAL
Stud Shear Connectors	Each	2,916



Note "A":
1 3/8" Holes - 1" deep in top plate for 1/4" pintles. Thread or press fit in bottom plate.



Note B:
1/4" x 15" Anchor bolts ASTM A307 Grade C with 2 3/4" x 5/16" washer under nut 1 3/4" holes in bottom plate.

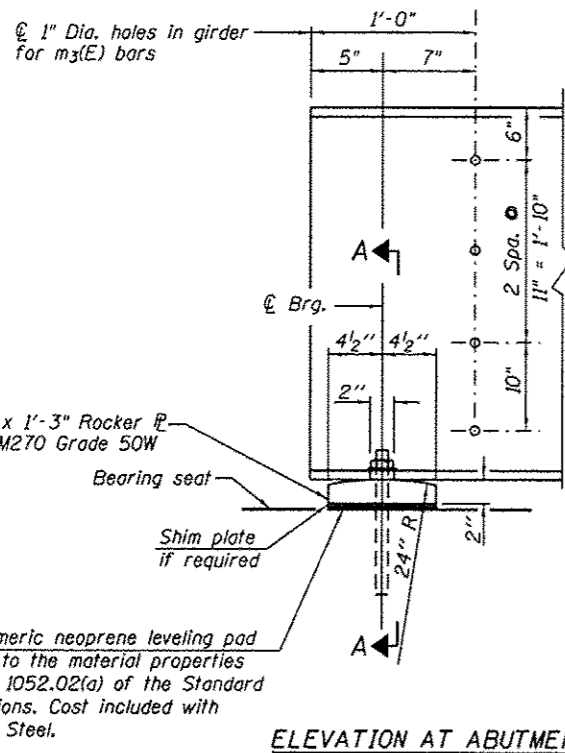


ELEVATION AT PIER

FIXED BEARING AT PIER

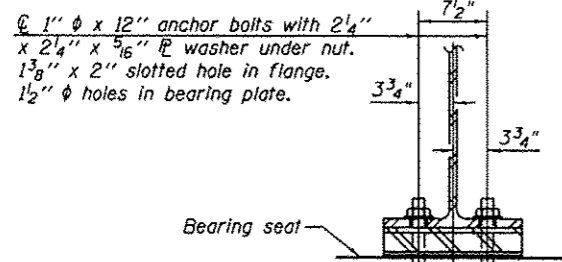
SECTION B-B

Notes:
Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.
Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.
Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.
Two 1/8 in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.
The anchor bolt sizes and grades shown constitute a calculated seismic structural fuse. Substitution of higher diameter and/or grade will not be allowed.
The structural steel plates of the bearing assembly shall conform to the requirements of AASHTO M270 Grade 50W.



ELEVATION AT ABUTMENT

1/8" elastomeric neoprene leveling pad according to the material properties of Article 1052.02(a) of the Standard Specifications. Cost included with Structural Steel.



SECTION A-A

FIXED BEARING AT ABUTMENTS

- I_s, S_s : Non-composite moment of inertia and section modulus of the steel section used for computing f_s (Total-Strength I, and Service II) due to non-composite dead loads (in.4 and in.3).
- $I_c(n), S_c(n)$: Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing f_s (Total-Strength I, and Service II) in uncracked sections due to short-term composite live loads (in.4 and in.3).
- $I_c(3n), S_c(3n)$: Composite moment of inertia and section modulus of the steel and deck based upon 3 times the modular ratio, "3n", used for computing f_s (Total-Strength I, and Service II) in uncracked sections, due to long-term composite (superimposed) dead loads (in.4 and in.3).
- $I_c(cr), S_c(cr)$: Composite moment of inertia and section modulus of the steel and longitudinal deck reinforcement, used for computing f_s (Total-Strength I and Service II) in cracked sections, due to both short-term composite live loads and long-term composite (superimposed) dead loads (in.4 and in.3).
- DC1: Un-factored non-composite dead load (kips/ft.).
- M_{DC1} : Un-factored moment due to non-composite dead load (kip-ft.).
- DC2: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).
- M_{DC2} : Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).
- DW: Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).
- M_{DW} : Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).
- $M_k + IM$: Un-factored live load moment plus dynamic load allowance (Impact) (kip-ft.).
- M_u (Strength I): Factored design moment (kip-ft.).
 $1.25 (M_{DC1} + M_{DC2}) + 1.5 M_{DW} + 1.75 M_k + IM$
- $\phi_r M_n$: Compact composite positive moment capacity computed according to Article 6.10.7.1 or non-slender negative moment capacity according to Article A6.1.1 or A6.1.2 (kip-ft.).

- f_s DC1: Un-factored stress at edge of flange for controlling steel flange due to vertical non-composite dead loads as calculated below (ksi).
 M_{DC1} / S_{nc}
- f_s DC2: Un-factored stress at edge of flange for controlling steel flange due to vertical composite dead loads as calculated below (ksi).
 $M_{DC2} / S_c(3n)$ or $M_{DC2} / S_c(cr)$ as applicable.
- f_s DW: Un-factored stress at edge of flange for controlling steel flange due to vertical composite future wearing surface loads as calculated below (ksi).
 $M_{DW} / S_c(3n)$ or $M_{DW} / S_c(cr)$ as applicable.
- f_s ($k + IM$): Un-factored stress at edge of flange for controlling steel flange due to vertical composite live load plus impact loads as calculated below (ksi).
 $M_k + IM / S_c(n)$ or $M_k + IM / S_c(cr)$ as applicable.
- f_s (Service II): Sum of stresses as computed below (ksi).
 $f_{sDC1} + f_{sDC2} + f_{sDW} + 1.3 f_s(k + IM)$
- $0.95R_n F_y f$: Composite stress capacity for Service II loading according to Article 6.10.4.2 (ksi).
- f_s (Total) (Strength I): Sum of stresses as computed below on non-compact section (ksi).
 $1.25 (f_{sDC1} + f_{sDC2}) + 1.5 f_{sDW} + 1.75 f_s(k + IM)$
- $\phi_r F_n$: Non-Compact composite positive or negative stress capacity for Strength I loading according to Article 6.10.7 or 6.10.8 (ksi).
- V_r : Maximum factored shear range in span computed according to Article 6.10.10.

INTERIOR GIRDER MOMENT TABLE		
	0.4 Sp. 1 or 0.6 Sp. 2	Pier
I_s	15414	32533
$I_c(n)$	39678	63454
$I_c(3n)$	28715	47422
$I_c(cr)$	20254	37474
S_s	757	1414
$S_c(n)$	1066	6371
$S_c(3n)$	968	2840
$S_c(cr)$	854	1791
DC1	0.931	1.046
M_{DC1}	733	-1949
DC2	0.23	0.23
M_{DC2}	195	-453
DW	0.267	0.267
M_{DW}	227	-526
$M_k + IM$	1415	-1805
M_u (Strength I)	3977	6950
$\phi_r M_n$	5213	7027
$f_s, DC1$	8.25	3.67
$f_s, DC2$	2.42	1.91
f_s, DW	2.81	2.22
$f_s, (k + IM)$	15.93	3.40
$f_s, (Service II)$	34.19	12.23
$0.95R_n F_y f$	47.5	47.5
f_s (Total)(Strength I)	45.43	16.26
$\phi_r F_n$	50	50
V_r	27.8	28.5

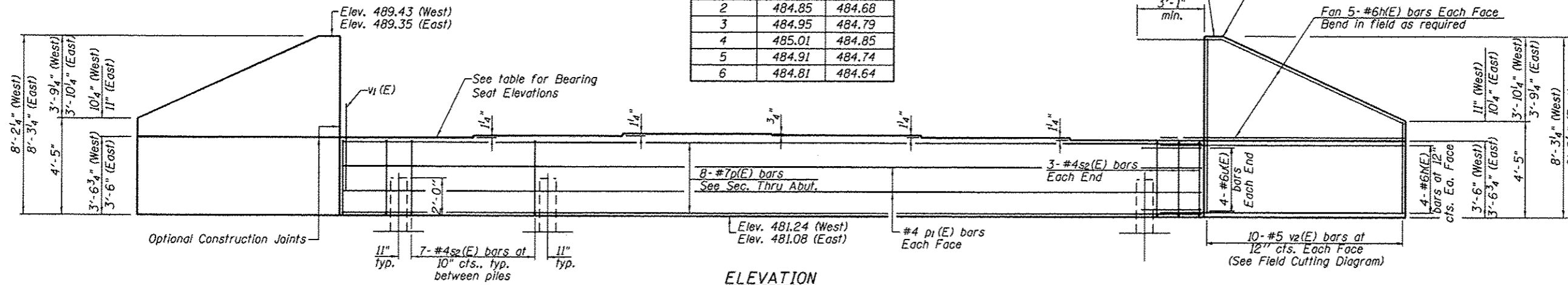
INTERIOR GIRDER REACTION TABLE		
	Abut.	Pier
R_{DC1}	37.6	146
R_{DC2}	9.6	34.6
R_{DW}	11.1	40.2
$R_k + IM$	86.3	171
R_{Total}	144	392

BEARING SEAT ELEVATIONS

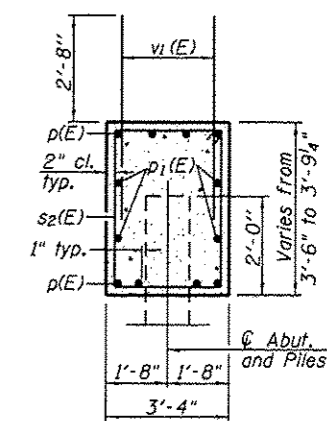
Girder No.	W. Abut.	E. Abut.
1	484.74	484.58
2	484.85	484.68
3	484.95	484.79
4	485.01	484.85
5	484.91	484.74
6	484.81	484.64

Bench mark location at West Abutment, see Sheet 2 of 25 for details

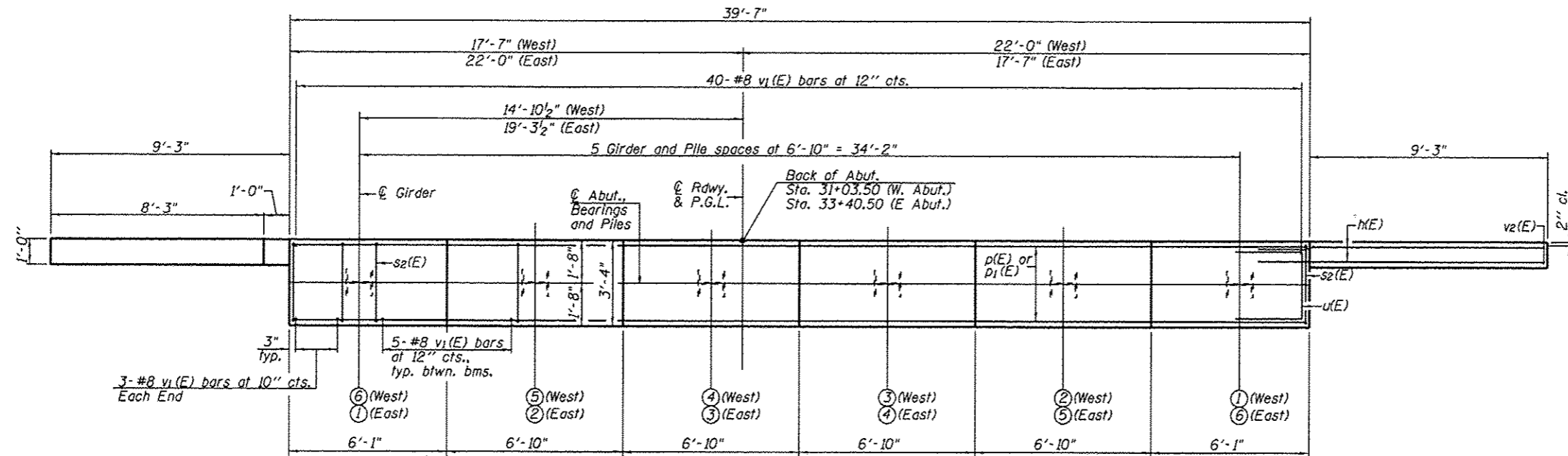
Elev. 489.51 (West)
Elev. 489.26 (East)



ELEVATION
(Looking at Front Face)
(West Abutment shown, East Abutment Similar)



SEC. THRU ABUT.



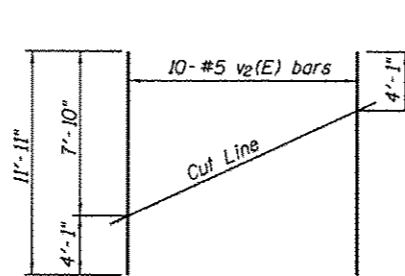
PLAN - WEST & EAST ABUTMENTS

TWO ABUTMENTS BILL OF MATERIAL

Bar	No.	Size	Length	Shape
m(E)	72	#6	12'-2"	—
p(E)	16	#7	39'-3"	—
p1(E)	8	#4	39'-3"	—
s2(E)	82	#4	13'-1"	□
u(E)	16	#6	11'-0"	□
v1(E)	142	#8	5'-4"	—
v2(E)	40	#5	11'-11"	—
Structure Excavation			Cu. Yd.	183
Concrete Structures			Cu. Yd.	44.6
Reinforcement Bars, Epoxy Coated			Pound	6,320
Furnishing Piles, HP 12X53			Foot	404
Setting Piles in Rock			Each	12

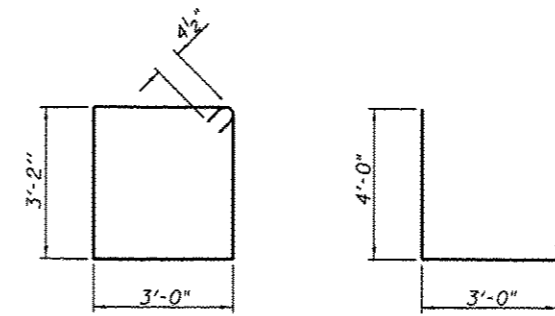
ABUTMENT PILE DATA

Type: HP 12 x 53
 Nominal Required Bearing: Set in rock
 Factored Resistance Available: 375 Klps
 Est. Length: 26.22 ft. (West) 41.06 ft. (East)
 No. Production Piles: 12
 Est. top of rock Elev.: 462.00 (West)
 Elev.: 447.00 (East)
 Rock socket depth: 5'-0" ft.
 Rock socket diameter: 2'-0"



FIELD CUTTING DIAGRAM

Order v2(E) full length. Cut as shown and use remainder of bars in opposite face.

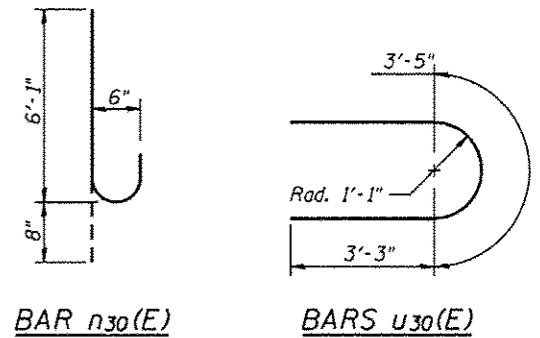
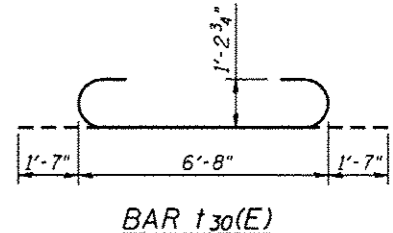
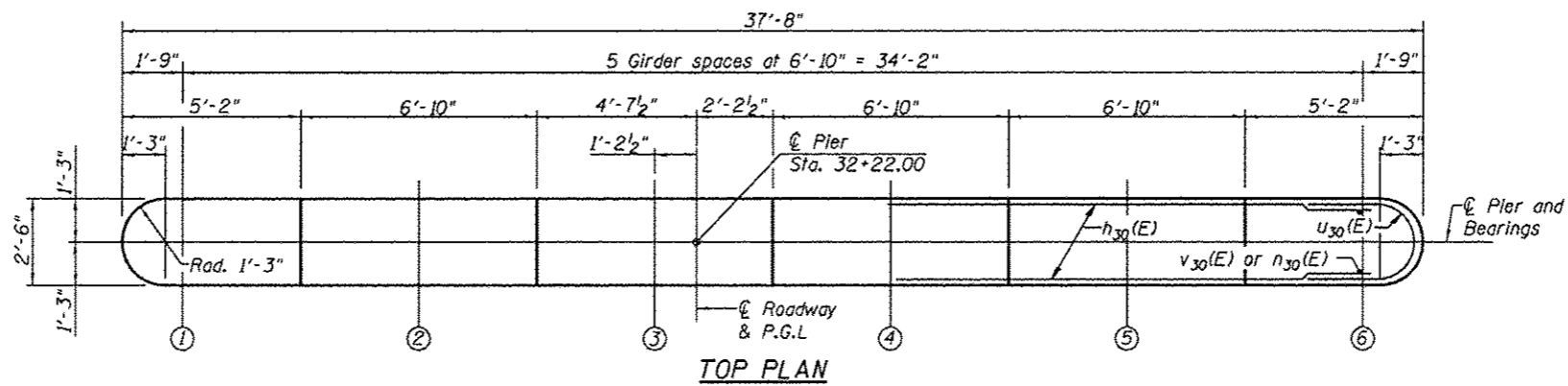


BAR s2(E)

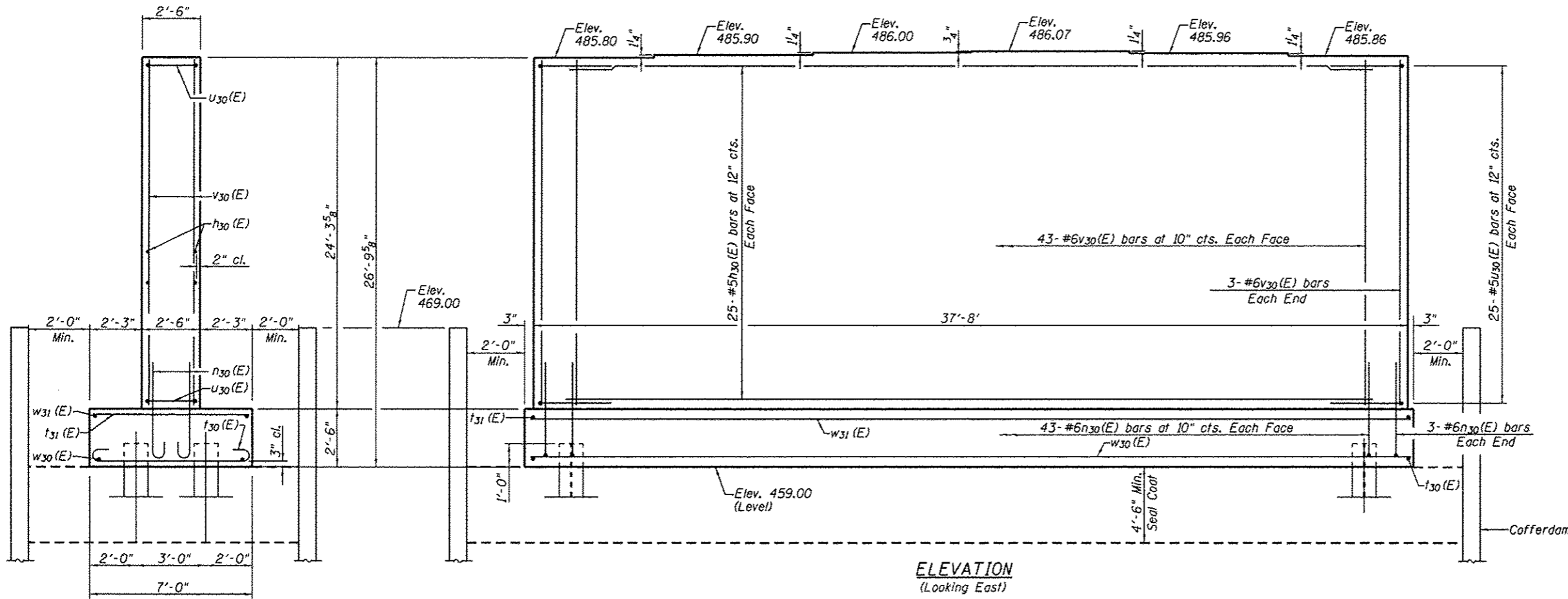
BAR u(E)

NOTES:

1. Pour steps monolithically with cap.
2. Space reinforcement to miss anchor bolts.
3. See Sheet 2 of 25 for Abutment Backfill requirements.
4. See Sheet 19 of 25 for Steel H-Pile Details.



MIN. BAR LAP
 #5 bar = 3'-3"
 #6 bar = 3'-10"



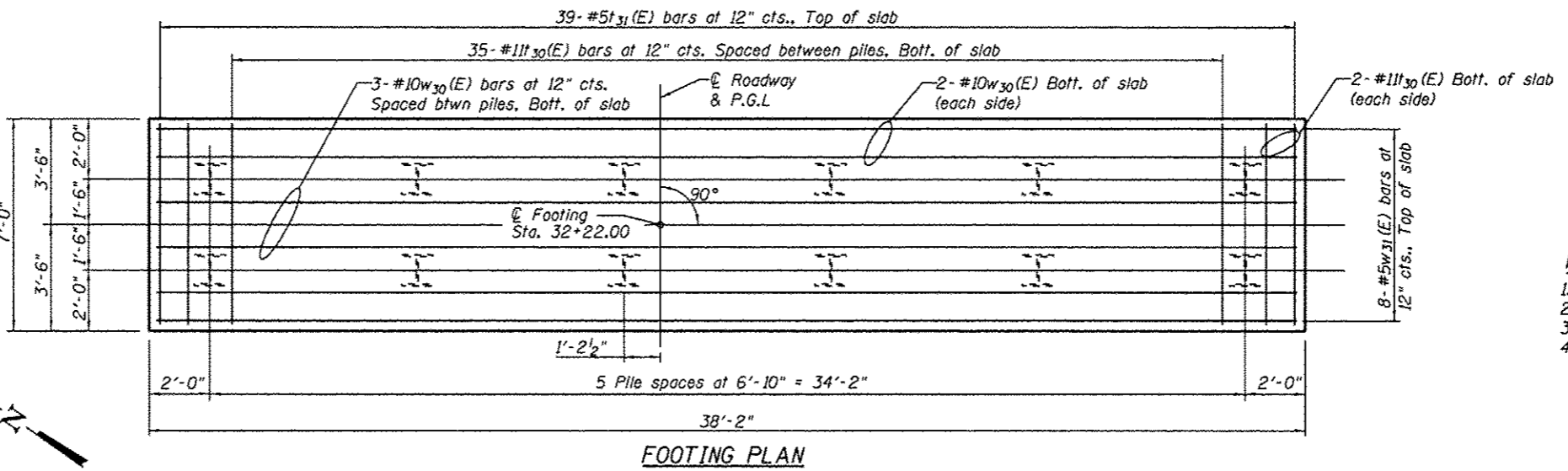
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h ₃₀ (E)	50	#5	35'-2"	—
n ₃₀ (E)	92	#6	6'-9"	⌋
t ₃₀ (E)	39	#11	9'-10"	⌋
t ₃₁ (E)	39	#5	6'-8"	—
u ₃₀ (E)	50	#5	9'-11"	⌋
v ₃₀ (E)	92	#6	23'-11"	—
w ₃₀ (E)	7	#10	37'-10"	—
w ₃₁ (E)	8	#5	37'-10"	—
Cofferdam Excavation			Cu. Yd.	211
Concrete Structures			Cu. Yd.	108.7
Seal Coat Concrete			Cu. Yd.	111.6
Reinforcement Bars, Epoxy Coated			Pound	23,890
Furnishing - Piles, HP 12X53			Foot	234
Setting Piles in Rock			Each	12

END VIEW

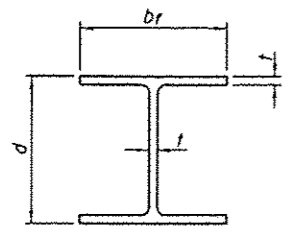
PILE DATA

Type: HP 12 x 53
 Nominal Required Bearing: Set in rock
 Factored Resistance Available: 375 Kips
 Est. Length: 19.50 ft.
 No. Production Piles: 12
 Est. top of rock Elev. 445.50
 Rock Socket Depth: 5'-0" ft.
 Rock Socket Diameter: 2'-0"



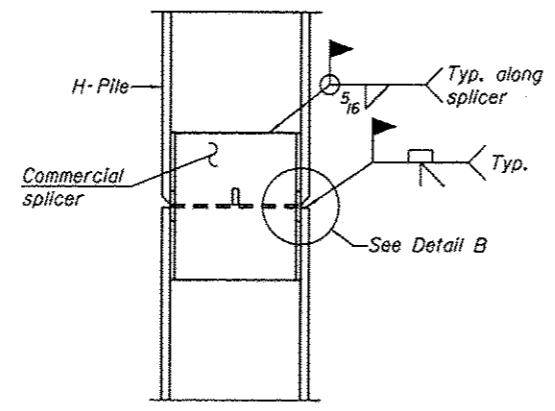
NOTES:

1. Pour steps monolithically with cap.
2. Space reinforcement to miss anchor bolts.
3. See Sheet 19 of 25 for Steel H-Pile Details.
4. Seal coat thickness design is based on the Estimated Water Surface Elevation (EWSE). Cofferdam design details and proposed changes in seal coat thickness shall be submitted to the Engineer for approval with the cofferdam design.

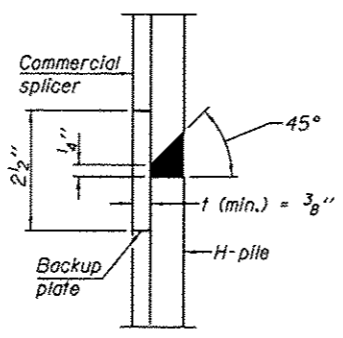


STEEL PILE TABLE

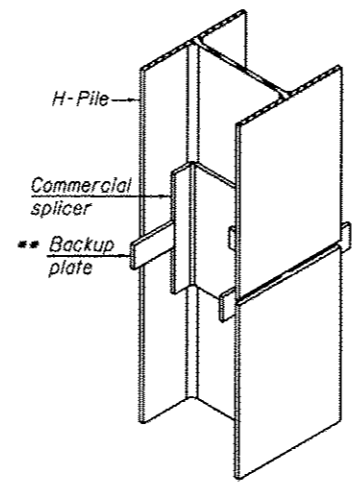
Designation	Depth d	Flange width b _f	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	1 5/16"	30"
x102	14"	14 3/4"	1 1/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 5/8"	14 5/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	1 1/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"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



ELEVATION

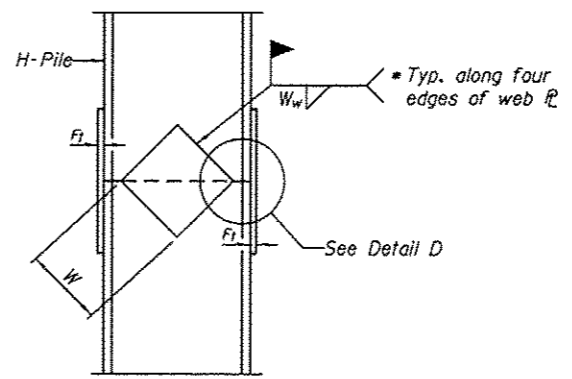


DETAIL "B"

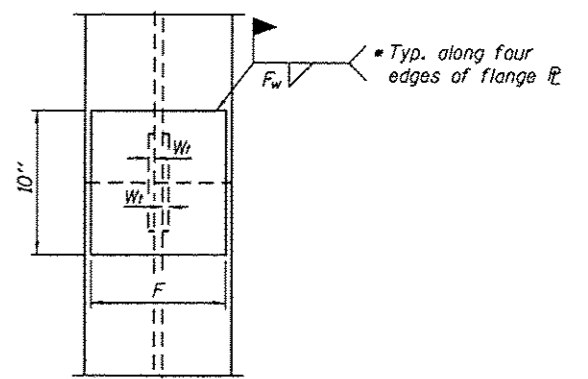


ISOMETRIC VIEW

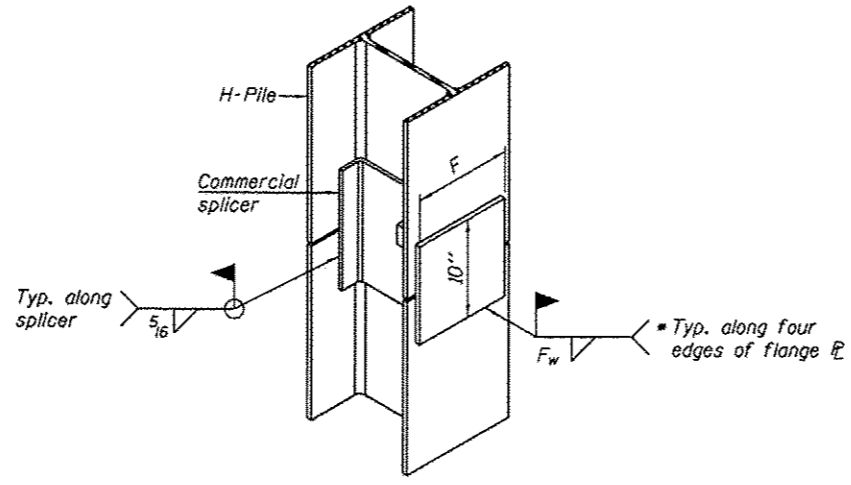
WELDED COMMERCIAL SPLICE



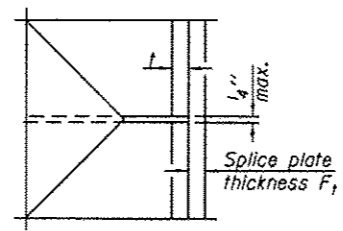
ELEVATION



END VIEW



ISOMETRIC VIEW



DETAIL D

WELDED PLATE FIELD SPLICE

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

WELDED COMMERCIAL SPLICE ALTERNATE

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

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
Testing Service Corporation
STRUCTURE BORING LOG

Page 1 of 1
Date 8/3/12

ROUTE CH R51 DESCRIPTION Replacement of Kickapoo Creek Road Bridge

SECT. 11-00009-02-BR STRUCT. NO. 072-3149 DRILLED BY Bruno Williamson

COUNTY Peoria LOCATION Peoria S. 35, TWP. 9N, RNG. 7E

Boring No. B-2
Station 31+10.47
Offset 39.00ft LT
Surface Elev. 483.50 ft

Surface Water Elev. _____
Groundwater Elev.: _____
when drilling _____
at Completion _____
after _____ Hrs. _____

DEPTH	BLOW	QU	B	S	P
ft	tsf	tsf	tsf	tsf	tsf
0					
5					
5					
5					
5					
5					
5					
3					
2					
477.50					
2	P				32
2		0.75			
2					
0	B				32
1		0.53			
2					
-10					
473.00					
1	B				27
2		0.74			
2					
469.50					23
4					
6					
8					
-15					
467.50					20
5	P				
9		4.5+			
15					
465.50					8
4	P				
28		4.5+			
50/5"					
463.50					
-20					
-25					

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test Stations. Depths. Offset. and Elevations are in Feet

ILLINOIS DEPARTMENT OF TRANSPORTATION
Testing Service Corporation
STRUCTURE BORING LOG

Page 1 of 1
Date 8/3/12

ROUTE CH R51 DESCRIPTION Replacement of Kickapoo Creek Road Bridge

SECT. 11-00009-02-BR STRUCT. NO. 072-3149 DRILLED BY Bruno Williamson

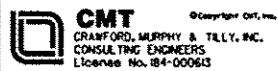
COUNTY Peoria LOCATION Peoria S. 35, TWP. 9N, RNG. 7E

Boring No. B-3
Station 31+19.44
Offset 67.60ft LT
Surface Elev. 480.90 ft

Surface Water Elev. _____
Groundwater Elev.: _____
when drilling _____
at Completion _____
after _____ Hrs. _____

DEPTH	BLOW	QU	B	S	P
ft	tsf	tsf	tsf	tsf	tsf
0					
5	P				14
6		3.75			
3					
477.90					
3	B				21
3		0.94			
3					
-5					
474.90					
0	B				22
2		0.53			
1					
2	P				22
2		0.75			
2					
-10					
470.40					
3	S				19
5		3.39			
7					
467.90					
6	S				19
12		2.41			
12					
-15					
464.90					
27	P				6
50/4"		4.5+			
35	P				5
50/2"		4.5+			
460.90					
-20					
-25					

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test Stations. Depths. Offset. and Elevations are in Feet



USER NAME =
DESIGNED - CJW
CHECKED - RJK
DRAWN - CJW-GLD
PLOT SCALE =
PLOT DATE =

DESIGNED - CJW
CHECKED - RJK
DRAWN - CJW-GLD
CHECKED - RJK

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS B-2 & B-3
STRUCTURE NO. 072-3149

SHEET NO. 20 OF 25 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	70
			CONTRACT NO. 89643	

ILLINOIS FED. AID PROJECT

ILLINOIS DEPARTMENT OF TRANSPORTATION

Testing Service Corporation
STRUCTURE BORING LOG

Page 1 of 1
Date 8/8/12

ROUTE CH R51 DESCRIPTION Replacement of Kickapoo Creek Road Bridge

SECT. 11-00009-02-BR STRUCT. NO. 072-3149 DRILLED BY Bruno Williamson

COUNTY Peoria LOCATION Peoria S. 35, TWP. 9N, RNG. 7E

Boring No. B-6
Station 31+53.71
Offset 8.20ft LT
Surface Elev. 466.30 ft

Surface Water Elev. _____
Groundwater Elev.:
when drilling 466.3
at Completion 466.3
after _____ Hrs. _____

DEPTH	LOG	Qu	W
ft	tsf		%
0			
2			
3			
3			
3			
6			
6			
8			
5			
5			
5			
15	P	12	
23	4.5+		
42			
15	P	13	
50/3"	4.5+		
50/4"	P	10	
	4.5+		

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test Stations, Depths, Offset, and Elevations are in Feet

Testing Service Corporation
STRUCTURE ROCK CORING LOG

Page 1 of 1
Date 8/8/12

ROUTE CH R51 DESCRIPTION Replacement of Kickapoo Creek Road Bridge

SECT. 11-00009-02-BR STRUCT. NO. 072-3149 DRILLED BY Bruno Williamson

COUNTY Peoria

Boring No. B-6 Core Type NX Diamond Bit
Station 31+53.71 Core Diameter 2 in
Offset 8.20ft LT Core Length 16 ft

Surface Elev. 466.30 ft

Top Elev. ft	Coring Notes and Rock Description	Core Run (#)	RECOVER Y (%)	R Q (%)	CORE TIME (Min/ft)	COMP. ST RNGTH (tsf)
448.30	Hard dark gray SHALE	1	100	86		15.6
	Moisture Content = 12%					
		2	96	88		175.4
	Moisture Content = 7%					
						178.9
	Moisture Content = 7%					
	End of Boring at 34'					

Color pictures of the cores Yes

Cores will be stored for examination until _____

ILLINOIS DEPARTMENT OF TRANSPORTATION

Testing Service Corporation
STRUCTURE BORING LOG

Page 1 of 1
Date 8/7/12

ROUTE CH R51 DESCRIPTION Replacement of Kickapoo Creek Road Bridge

SECT. 11-00009-02-BR STRUCT. NO. 072-3149 DRILLED BY Bruno Williamson

COUNTY Peoria LOCATION Peoria S. 35, TWP. 9N, RNG. 7E

Boring No. B-7
Station 32+17.73
Offset 9.90ft RT
Surface Elev. 466.00 ft

Surface Water Elev. _____
Groundwater Elev.:
when drilling 466.0
at Completion 466.0
after _____ Hrs. _____

DEPTH	BLOW	Qu	W
ft	S	tsf	%
463.00	003		
458.00	101		
455.50	213		19
453.00	111		
450.50	111		
445.50	40	50/2"	4.5+

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
Stations, Depths, Offset, and Elevations are in Feet

Testing Service Corporation
STRUCTURE ROCK CORING LOG

Page 1 of 1
Date 8/7/12

ROUTE CH R51 DESCRIPTION Replacement of Kickapoo Creek Road Bridge

SECT. 11-00009-02-BR STRUCT. NO. 072-3149 DRILLED BY Bruno Williamson

COUNTY Peoria

Boring No. B-7 Core Type NX Diamond Bit
Station 32+17.73 Core Diameter 2 in
Offset 9.90ft RT Core Length 16.5 ft

Surface Elev. 466.00 ft

Top Elev. ft	Coring Notes and Rock Description	Core Run (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (Min/ft)	COMP. STRNGTH (tsf)
445.50	Hard gray SHALE Moisture Content = 15%	1	67	46		19.3
430.00	Moisture Content = 5%	2	100	67		
430.00	Moisture Content = 7%					
430.00	End of Boring at 36'					

Color pictures of the cores Yes

Cores will be stored for examination until _____

ILLINOIS DEPARTMENT OF TRANSPORTATION
Testing Service Corporation
STRUCTURE BORING LOG

Page 1 of 2
Date 8/13/12

ROUTE CH R51 DESCRIPTION Replacement of Kickapoo Creek Road Bridge
SECT. 11-00009-02-BR STRUCT. NO. 072-3149 DRILLED BY Bruno Williamson
COUNTY Peoria LOCATION Peoria S. 35, TWP. 9N, RNG. 7E

Boring No.	Station	Offset	Surface Elev.	D E P T H	B L O W S	Qu tsf	W %	Surface Water Elev.	D E P T H	B L O W S	Qu tsf	W %
B-8	32+76.23	9.90ft RT	476.50									
				2				451.00		5		8
				2				Dense gray SILT, moist		13		
				2				Very hard drilling at 28.0'		21		
473.50				1		B	30	448.50		9	P	15
Medium stiff brown/dark brown LOAM, very moist				2		0.78		Hard gray SHALE		18	4.5+	
				2						40		
470.50				1			33					
Very loose brown/dark brown fine to coarse SAND, with clay binder, very moist to moist				2								
				2				Boring continued with Rock Core				
				2			18	442.50		50/5"		12
465.50				2		P	18					
Soft to very soft dark gray LOAM, moist to very moist				1		0.5						
				1								
				0		P	24					
				0		0.25						
				0								
459.00				0		P	31					
Medium stiff brown/gray CLAY, moist				0		B	28					
				0		0.86						
				0								
455.50				0			12					
Loose brown fine to coarse SAND, moist				3								
				5								
453.50				7			14					
Medium dense gray SILT, moist				11								
				18								

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test Stations. Depths. Offset. and Elevations are in Feet

Testing Service Corporation
STRUCTURE ROCK CORING LOG

Page 2 of 2
Date 8/13/12

ROUTE CH R51 DESCRIPTION Replacement of Kickapoo Creek Road Bridge
SECT. 11-00009-02-BR STRUCT. NO. 072-3149 DRILLED BY Bruno Williamson
COUNTY Peoria

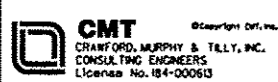
Boring No. B-8 Core Type NX Diamond Bit
Station 32+76.23 Core Diameter 2 in
Offset 9.90ft RT Core Length 16.5 ft

Surface Elev. 476.50 ft

Top Elev. ft	Coring Notes and Rock Description	Core Run (#)	RECOVER Y (%)	R . Q . D . (%)	CORE TIME (Min/ft)	COMP. STRNGTH (tsf)
442.50	Hard gray SHALE Moisture Content = 8%	1	95	83		49.1
426.00	Moisture Content = 7%	2	100	92		30.0
426.00	Moisture Content = 14% End of Boring at 50.5'					18.1

Color pictures of the cores Yes

Cores will be stored for examination until _____



USER NAME =
DESIGNED - CJW
CHECKED - RJK
DRAWN - CJW-GLD
PLOT DATE =

REVISÉ -
REVISÉ -
REVISÉ -
REVISÉ -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS B-8
STRUCTURE NO. 072-3149

SHEET NO. 24 OF 25 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	74

CONTRACT NO. 89643

ILLINOIS FED. AID PROJECT

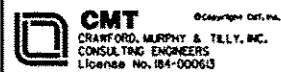
ILLINOIS DEPARTMENT OF TRANSPORTATION
Testing Service Corporation
STRUCTURE BORING LOG

Page 1 of 1
Date 8/2/12

ROUTE CH R51 DESCRIPTION Replacement of Kickapoo Creek Road Bridge
SECT. 11-00009-02-BR STRUCT. NO. 072-3149 DRILLED BY Bruno Williamson
COUNTY Peoria LOCATION Peoria S. 35, TWP. 9N, RNG. 7E

Boring No.	D	B	Qu	W	Surface Water Elev.	D	B	Qu	W
Station	E	L	tsf	%	Groundwater Elev.:	E	L	tsf	%
Offset	P	O			when drilling	P	O		
Surface Elev.	T	W			at Completion	T	W		
	H	S			after	H	S		
					Hrs.				
B-9									
33+44.92					460.3				
21.30ft LT					466.3				
486.30 ft									
Medium dense brown SILTY LOAM, moist					460.80				
		6		11	Medium stiff brown LOAM, moist		1	B	22
		6					1	0.53	
		7					1		
					458.30				
		5		15	Very loose brown fine to coarse SAND, saturated		0		
		6					1		
		7					2		
		7		21	Hard drilling at 32.0'				
		7							
		10			454.30				
					Hard gray SHALE				
478.30									
Very stiff dark gray SILTY CLAY, moist		3	S	17			19	S	12
		7	2.66				50/5"	13.01	
		8							
475.30									
Medium stiff dark gray SILTY CLAY, moist		2	S	19					
		4	0.95						
		3							
473.30									
Stiff to medium stiff dark brown CLAY, moist		3	B	21			17	P	13
		3	1.15				50/4"	4.5+	
		4							
					446.30				
					End of Boring at 40'				
		3	S	17					
		4	0.86						
		4							
		3	B	20					
		3	0.62						
		5							
485.30									
Medium stiff brown LOAM, moist		2	B	19					
		3	0.70						
		3							
483.30									
Very soft brown LOAM, moist		0	B	22					
		1	0.12						
		1							

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test Stations. Depths, Offset, and Elevations are in Feet



USER NAME =
PLOT SCALE =
PLOT DATE =

DESIGNED - CJW
CHECKED - RJK
DRAWN - CJW-GLD
CHECKED - RJK

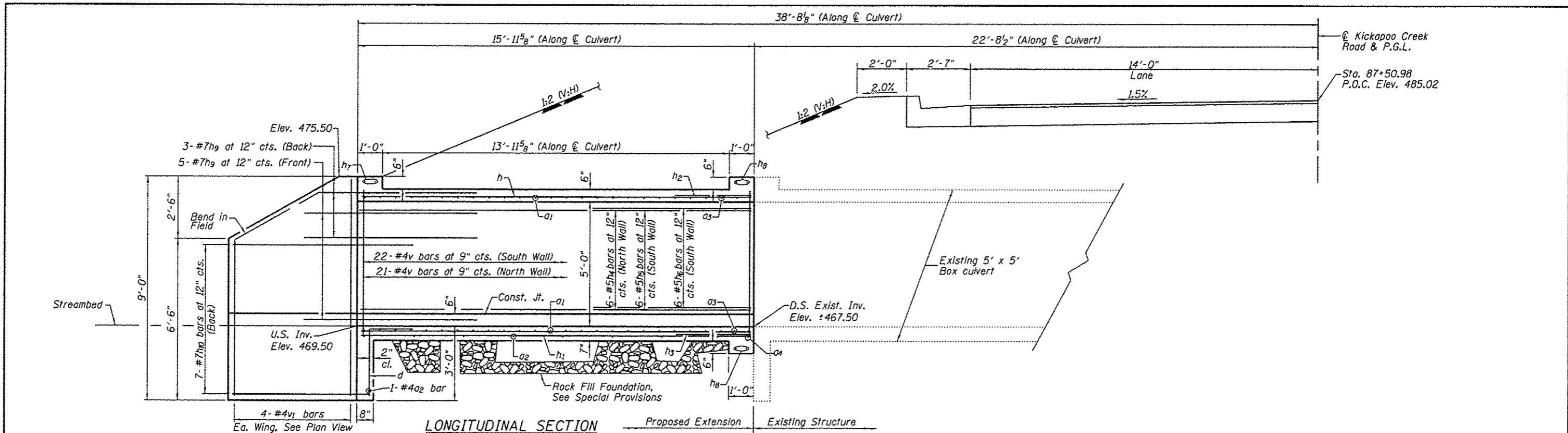
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

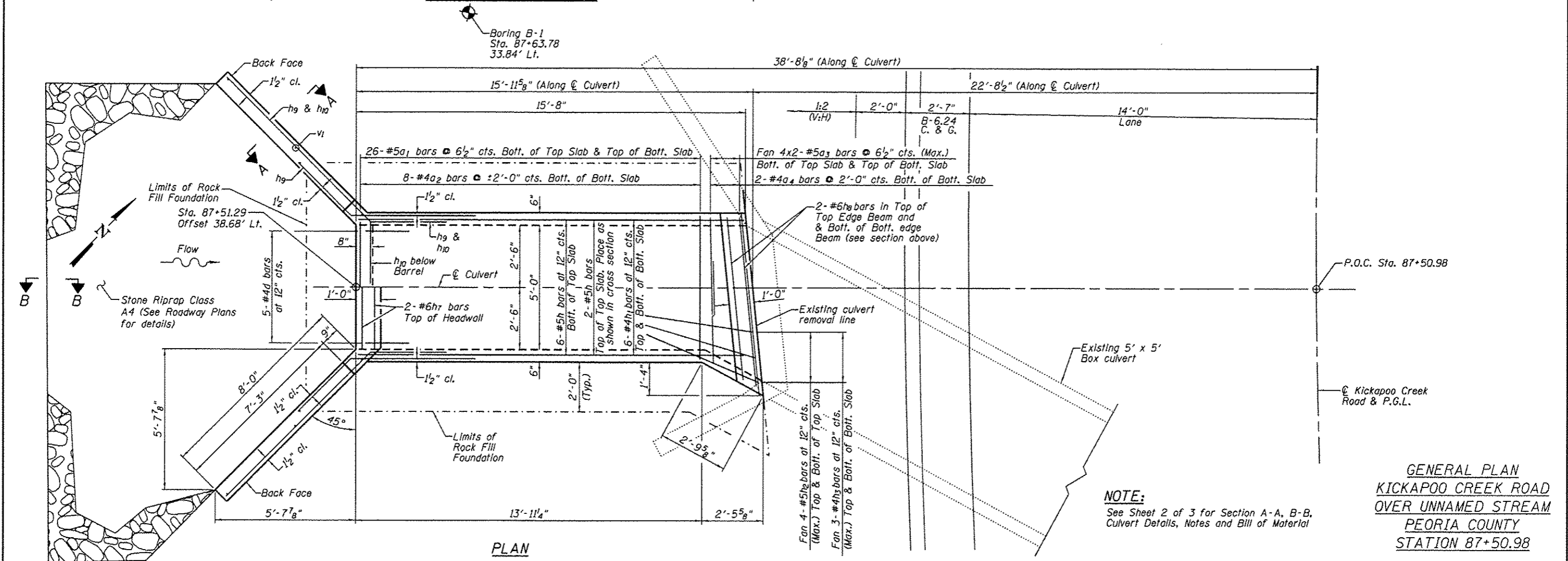
BORING LOG B-9
STRUCTURE NO. 072-3149

SHEET NO. 25 OF 25 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	75
CONTRACT NO. 89643			ILLINOIS FED. AID PROJECT	



LONGITUDINAL SECTION

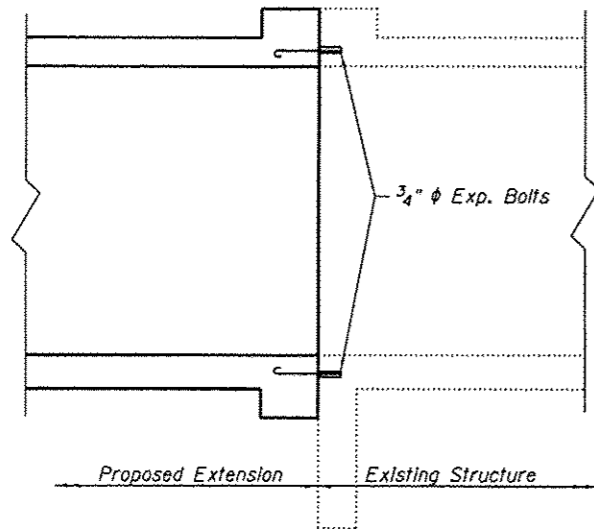


PLAN

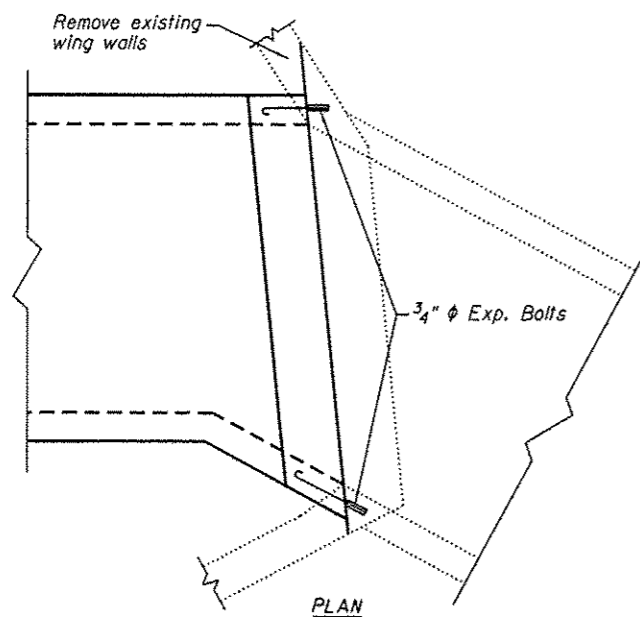
NOTE:
See Sheet 2 of 3 for Section A-A, B-B, Culvert Details, Notes and Bill of Material

**GENERAL PLAN
KICKAPOO CREEK ROAD
OVER UNNAMED STREAM
PEORIA COUNTY
STATION 87+50.98**

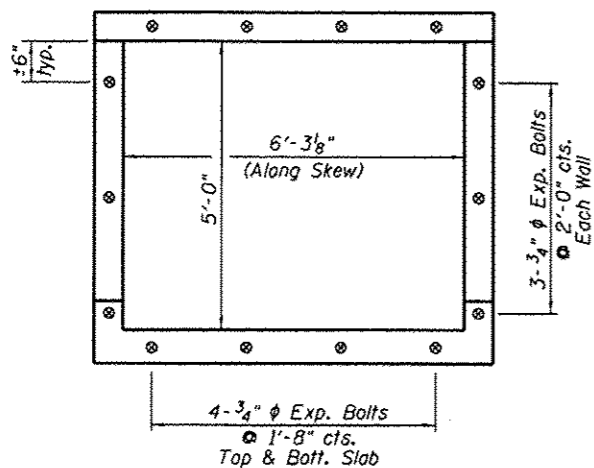
CMT CHAMFORD, MORPHY & TULLY, INC. CONSULTING ENGINEERS License No. 184-000613	USER NAME :	DESIGNED - CJW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN SHEET NO. 1 OF 3 SHEETS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE :	CHECKED - BPD	REVISED -			6576	11-00009-02-BR	PEORIA	109	76
	PLOT DATE :	DRAWN - CJW-GLD	REVISED -			CONTRACT NO. 89643				
		CHECKED - RJK	REVISED -			ILLINOIS FED. AID PROJECT				



LONGITUDINAL SECTION

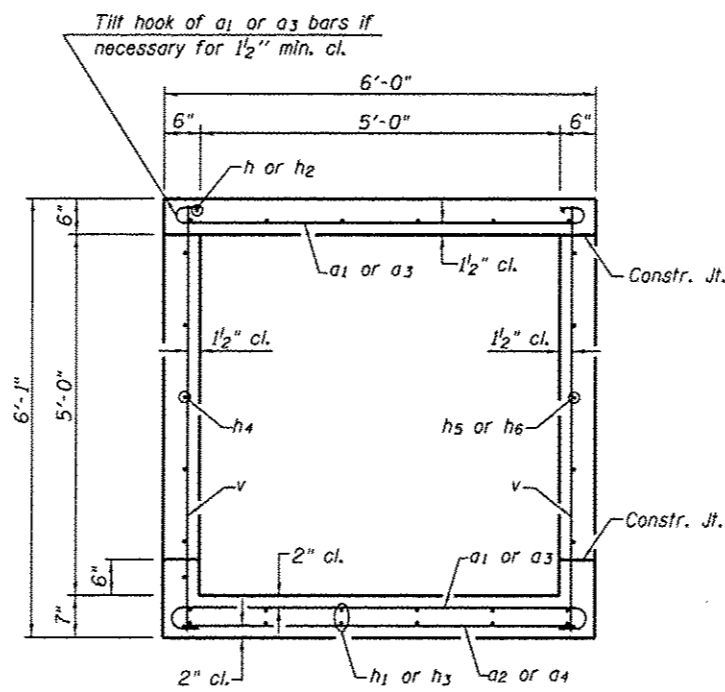


PLAN

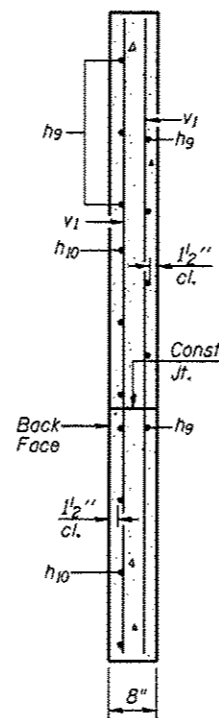


CROSS SECTION THRU BARREL

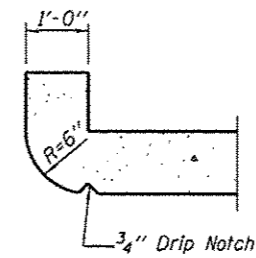
EXPANSION BOLT DETAILS
(14 Required)



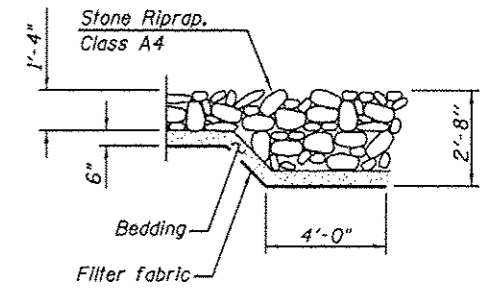
SECTION THRU BARREL
(Looking East)



SECTION A-A



SECTION THRU HEADWALL
(Up Stream End Only)



SECTION B-B

MIN. BAR LAP
#5 bar = 2'-2"

DESIGN SPECIFICATIONS

2012 AASHTO LRFD Bridge Design Specifications,
6th Edition, with 2013 Interims

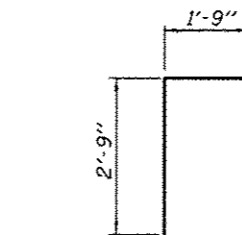
DESIGN STRESSES

FIELD UNITS

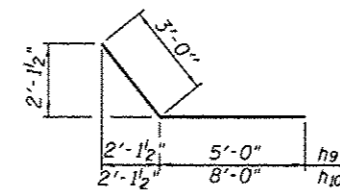
$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)

BILL OF MATERIAL

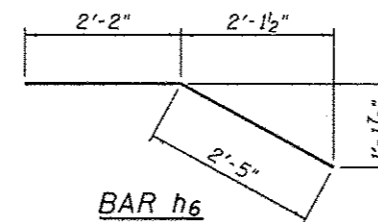
Bar	No.	Size	Length	Shape
a1	52	#5	6'-10"	U
a2	9	#4	5'-8"	—
a3	16	#5	5'-1"	U
a4	2	#4	6'-5"	—
d	5	#4	4'-6"	L
h	8	#5	15'-4"	—
h1	12	#4	15'-4"	—
h2	8	#5	4'-11"	—
h3	6	#4	4'-11"	—
h4	6	#5	15'-6"	—
h5	6	#5	13'-11"	—
h6	6	#5	4'-7"	U
h7	2	#6	4'-11"	—
h8	4	#6	6'-7"	—
h9	16	#7	8'-0"	U
h10	14	#7	11'-0"	U
v	43	#4	5'-9"	—
v1	8	#4	8'-8"	—
Removal of Existing Structures No. 2	Each			1
Structure Excavation	Cu. Yd.			17
Reinforcement Bars	Pound			1,880
Expansion Bolts 3/4 Inch	Each			14
Concrete Box Culverts	Cu. Yd.			10.7
Rock Fill Foundation	Ton			13



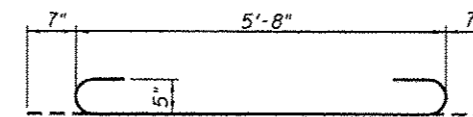
BAR d



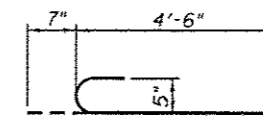
BARS h9 & h10



BAR h6



BAR a1



BAR a3

Notes:

- A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
- Reinforcement bars shall conform to the requirements of AASHTO M-31, M-42 or M-53, Grade 60.
- All construction joints shall be bonded.
- Expansion bolts shall be 3/4 inch dia. hooked bolts. Hooked bolts shall extend a minimum of 9" into new concrete.
- Limits of Removal and Replacement of weak soils with Rock Fill Foundation will be determined by the Engineer.

ILLINOIS DEPARTMENT OF TRANSPORTATION

Testing Service Corporation
STRUCTURE BORING LOG

Page 1 of 1
Date 8/6/12

ROUTE CH R51 DESCRIPTION Replacement of Kickapoo Creek Road Bridge

SECT. 11-00009-02-BR STRUCT. NO. _____ DRILLED BY Bruno Williamson

COUNTY Peoria LOCATION Peoria S. 35, TWP. 9N, RNG. 7E

Boring No. B-1
Station 87+63.78
Offset 33.84ft LT
Surface Elev. 475.50 ft

Surface Water Elev. _____
Groundwater Elev.:
when drilling 460.5
at Completion 465.5
after _____ Hrs. _____

DEPTH	DESCRIPTION	Blows	Qu	B	S	P	W %
0	Loose brown-dark brown LOAM, moist	3					12
3		3					
472.50	Soft brown/gray CLAY LOAM, very moist	3	B				31
		2	0.49				
469.50	Loose brown/dark brown LOAM, moist	2					26
		3					
467.50	Loose brown/dark brown fine to coarse SAND and small GRAVEL, moist	2					
		3					
464.50	Soft gray/dark brown CLAY LOAM, very moist	2	P				29
		1	0.5				
462.50	Dense brown SANDY LOAM, moist	8					
		17					
		14					
459.50	Hard gray SHALE	12	P				7
		39	4.5+				
		17					
		18	P				9
		28	4.5+				
455.60	End of Boring at 20'	50/5"					

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test Stations. Depths, Offset, and Elevations are in Feet



USER NAME *	DESIGNED - CJW	REVISED -
PLOT SCALE =	CHECKED - RJK	REVISED -
PLOT DATE *	DRAWN - CJW-GLD	REVISED -
	CHECKED - RJK	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

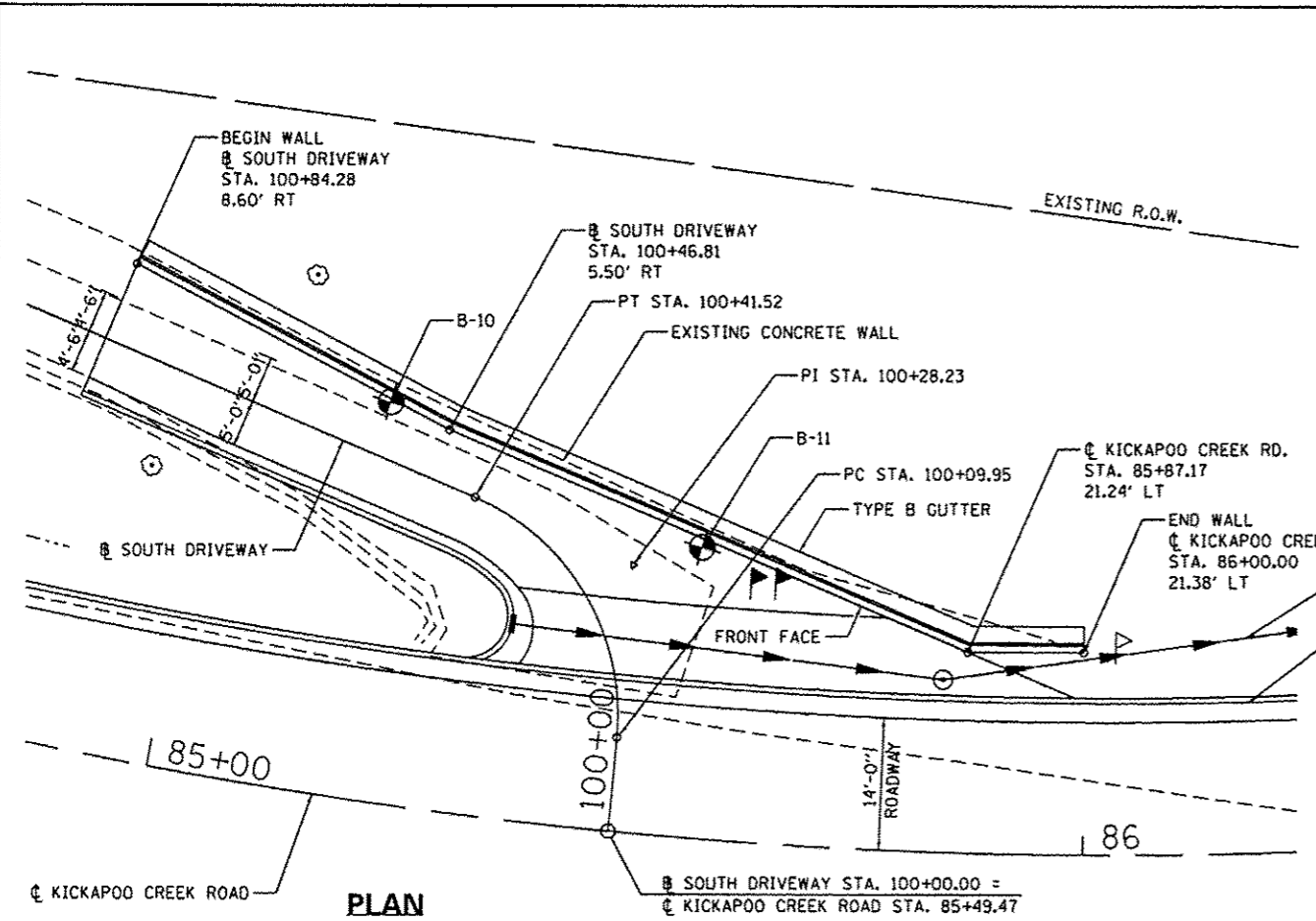
CULVERT DETAILS
BORING B-1

SHEET NO. 3 OF 3 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	78
CONTRACT NO. 89643			ILLINOIS FED. AID PROJECT	

DATE	
BT	
PLAN	
NO.	
DATE	
BT	
PROFILE	
NO.	

DATE	
BT	
PROFILE	
NO.	
DATE	
BT	
STRUCTURE NOTATIONS	
NO.	



BORING DATA

BORING NO.	STATION	OFFSET
B-10	85+19.99	42.26' LT
B-11	85+56.99	30.75' LT

BILL OF MATERIAL

BAR NO.	SIZE	LENGTH	SHAPE
H	20	#4	28'-6"
S	111	#4	1'-10"

REINFORCEMENT BARS	POUND	520
CONCRETE STRUCTURES	CU YD	4.0
PERMANENT STEEL SHEET PILING	50 FT	1230
CONCRETE GUTTER, TYPE B	FOOT	110
POROUS GRANULAR BACKFILL	CU YD	8.1
PERMANENT GROUND ANCHOR	EACH	8

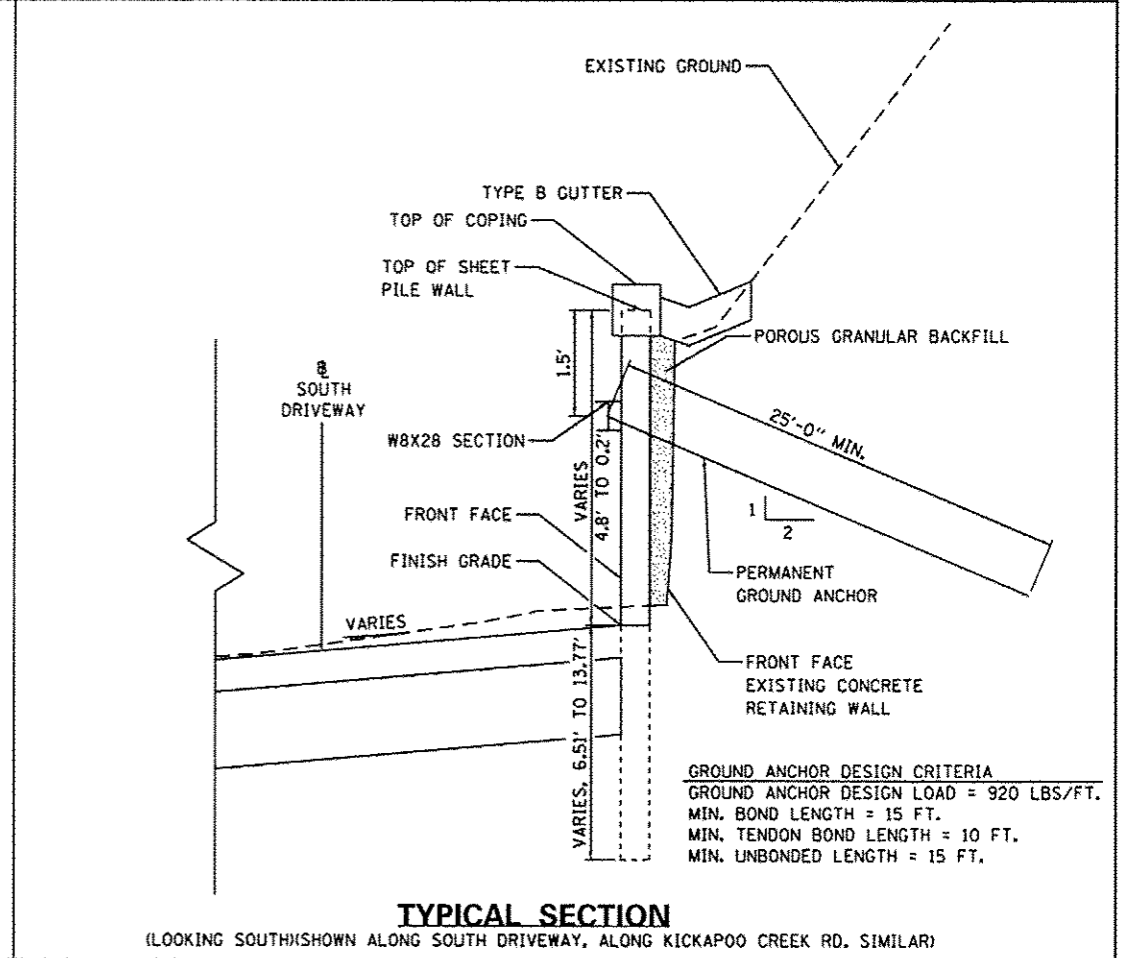
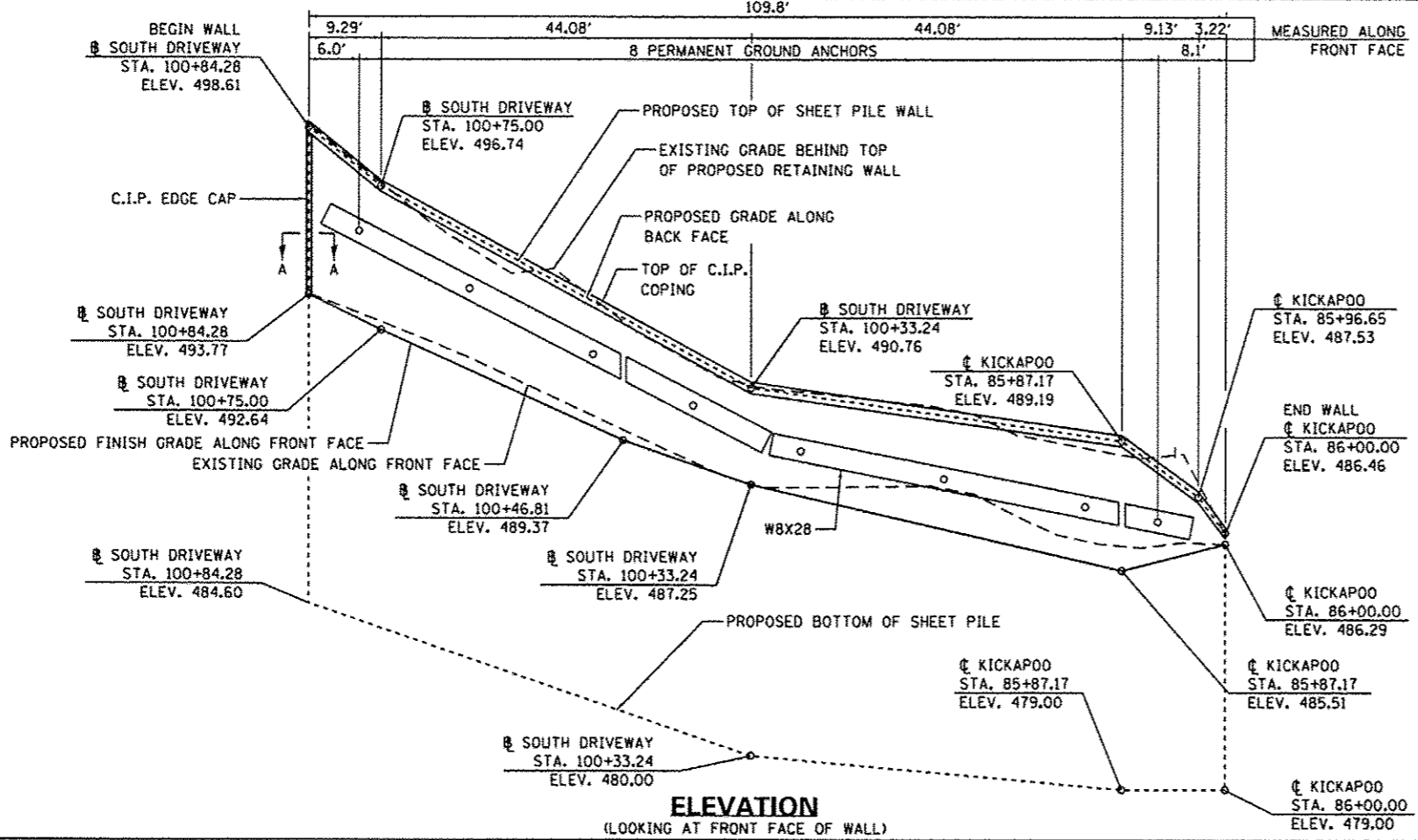
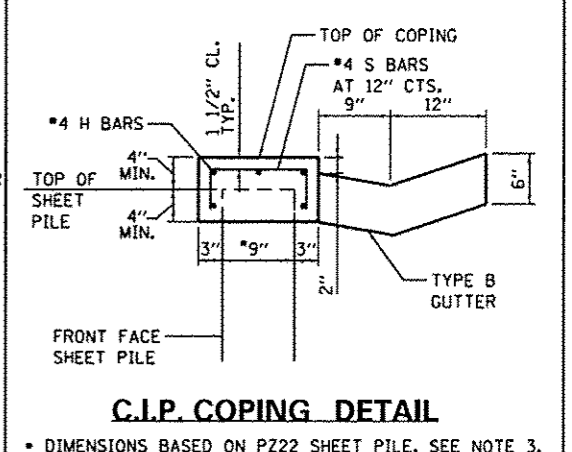
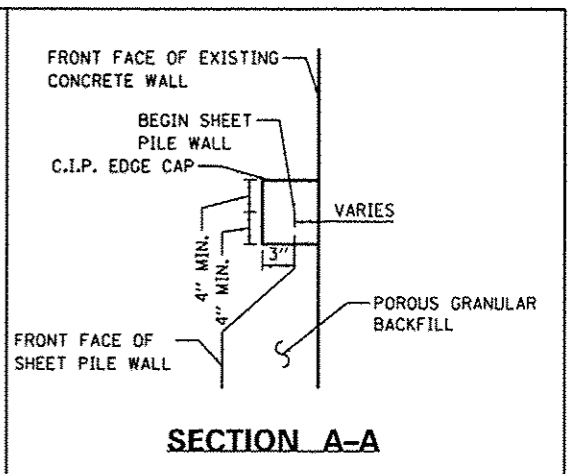
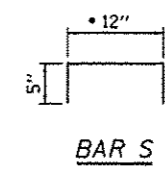
CURVE DATA

KICKAPOO CREEK ROAD	SOUTH DRIVEWAY
PROP. CURVE PR_CREEK_RD-2	PROP. CURVE PR_STWN-1
PI STA. = 85+79.34	PI STA. = 100+28.23
Δ = 20° 35' 40" (LT)	Δ = 72° 19' 54" (LT)
D = 10° 09' 32"	D = 229° 10' 59"
R = 564.00'	R = 25.00'
T = 102.47'	T = 18.27'
L = 202.72'	L = 31.56'
E = 9.23'	E = 5.97'
P.C. STA = 84+76.87	P.C. STA. = 100+09.95
P.T. STA = 86+79.59	P.T. STA. = 100+41.52

- NOTES:**
- RETAINING WALL STATIONS AND OFFSETS ARE GIVEN FROM FRONT FACE.
 - ALL SHEET PILE SECTIONS SHALL BE PZ 22 OR HAVE A MINIMUM SECTION MODULUS OF 18.1 CU. IN./FT.
 - IF THE CONTRACTOR CHOOSES TO ALTER THE PERMANENT SHEET PILING, PERMANENT GROUND ANCHOR OR COPING DESIGN REQUIREMENTS SHOWN ON THE PLANS, A DESIGN SUBMITTAL INCLUDING PLAN DETAILS AND CALCULATIONS PREPARED BY AN ILLINOIS LICENSED STRUCTURAL ENGINEER WILL BE REQUIRED FOR REVIEW AND ACCEPTANCE BY THE ENGINEER.
 - ALL TREES THAT INTERFERE WITH THE INSTALLATION OF THE RETAINING WALL SHALL BE REMOVED. THIS TREE REMOVAL SHALL BE INCLUDED IN THE PAY ITEM FOR PERMANENT STEEL SHEET PILING.
 - COST OF WBX28 SECTION TO BE INCLUDED IN THE COST FOR PERMANENT GROUND ANCHOR.

MIN. BAR LAP
#4 BAR = 1'-4"

DESIGN STRESSES
FIELD UNITS
F_c = 3,500 PSI (C.I.P. COPING)
F_y = 60,000 PSI (REINFORCEMENT)
F_y = 50,000 PSI (GRADE 50W)



CMT
CRAWFORD, MURPHY & TILLY, INC.
CONSULTING ENGINEERS
License No. 184-006813

MODEL NAME = Default	DESIGNED - EMM	REVISED -
FILE NAME = Detail_South_Driveway.dwg	DRAWN - EMM	REVISED -
PLOT SCALE = 20.0002 1/1 in.	CHECKED - EJM	REVISED -
PLOT DATE = 10/21/2013	DATE - OCTOBER 2013	REVISED -

PEORIA COUNTY HIGHWAY DEPARTMENT
PEORIA COUNTY, ILLINOIS

DETAIL SHEET
SOUTH DRIVEWAY RETAINING WALL

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	79

CONTRACT NO. 89643
ILLINOIS FED. AID PROJECT

ILLINOIS DEPARTMENT OF TRANSPORTATION
Testing Service Corporation
STRUCTURE BORING LOG

Page 1 of 1
Date 9/27/12

ROUTE CH R51 DESCRIPTION Replacement of Kickapoo Creek Road Bridge
 SECT. 11-00009-02-BR STRUCT. NO. _____ DRILLED BY Bruno Williamson
 COUNTY Peoria LOCATION Peoria S. 35 , TWP. 9N , RNG. 7E

Boring No. <u>B-10</u>	D E P T H	B L O W S	Q u	B S	P %	Surface Water Elev. _____ Groundwater Elev.: _____ when drilling _____ at Completion _____ after _____ Hrs. _____
Station <u>85+19.99</u>						
Offset <u>42.26ft LT</u>						
Surface Elev. <u>490.52</u> ft						
Bituminous Pavement <u>490.35</u>						
Brown SAND and GRAVEL <u>489.52</u>						
Very stiff gray SILTY CLAY LOAM, moist		2 3 4		P 2.0	22	
487.52						
Hard dark gray SILTY LOAM, moist		6 7 14		P 4.5+	12	
484.52						
Loose black weathered SHALE, moist		4 3 3			17	
-5						
		1 4 2			16	
479.52						
Hard gray SHALE		6 50/5"		P 4.5+	10	
-10						
		13 50/6"		P 4.5+	6	
-15						
		12 35 50/4"		P 4.5+	11	
-20						
		13 41 50/3"		P 4.5+	10	
470.52						
-25						

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test Stations. Depths. Offset. and Elevations are in Feet

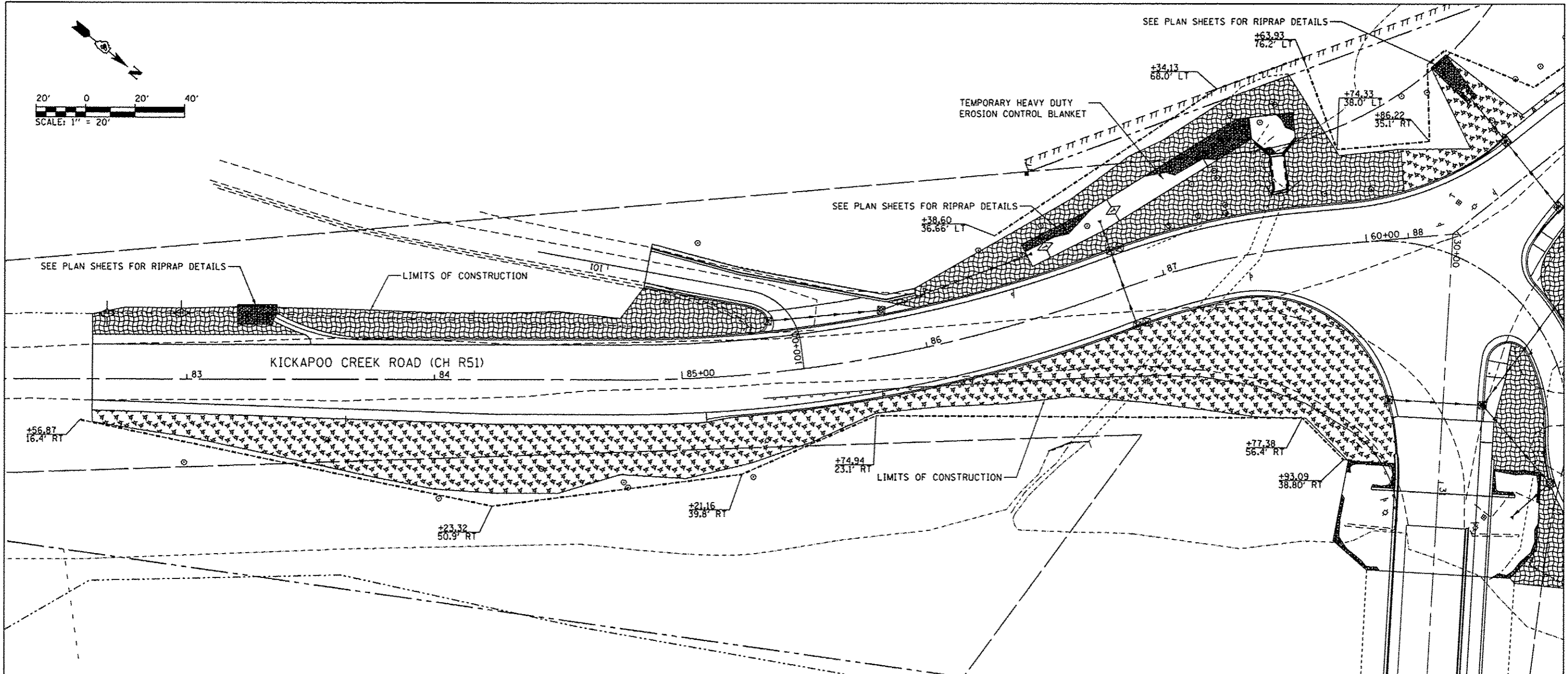
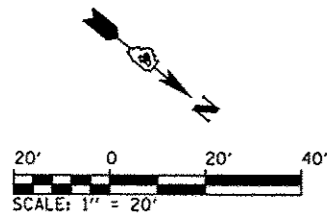
ILLINOIS DEPARTMENT OF TRANSPORTATION
Testing Service Corporation
STRUCTURE BORING LOG

Page 1 of 2
Date 9/27/12

ROUTE CH R51 DESCRIPTION Replacement of Kickapoo Creek Road Bridge
 SECT. 11-00009-02-BR STRUCT. NO. _____ DRILLED BY Bruno Williamson
 COUNTY Peoria LOCATION Peoria S. 35 , TWP. 9N , RNG. 7E

Boring No. <u>B-11</u>	D E P T H	B L O W S	Q u	B S	P %	Surface Water Elev. _____ Groundwater Elev.: _____ when drilling _____ at Completion _____ after _____ Hrs. _____
Station <u>85+56.99</u>						
Offset <u>30.75ft LT</u>						
Surface Elev. <u>487.66</u> ft						
Bituminous Pavement <u>487.49</u>						
Brown SAND and GRAVEL <u>486.66</u>						
Hard dark brown SILTY CLAY LOAM, moist		7 7 8		P 4.5+	10	
484.66						
Loose black weathered SHALE, moist		3 2 1			13	
-5						
		4 2 5				
478.66						
Hard gray SHALE, dry		10 50/6"			8	
-10						
		18 50/3"		P 4.5+	9	
-15						
		13 50/5"		P 4.5+	10	
-20						
		17 50/6"		P 4.5+	9	
487.66						
-25						

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test Stations. Depths. Offset. and Elevations are in Feet



GENERAL NOTES

1. TEMPORARY EROSION CONTROL DEVICES SHALL BE CONSTRUCTED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
2. CONTRACTOR SHALL ESTABLISH POINTS OF INGRESS AND EGRESS FROM EXISTING ROADWAYS. THE WORK SHALL BE IN ACCORDANCE WITH THE DETAIL ENTITLED STABILIZED CONSTRUCTION ENTRANCE.
3. ALL PERMANENT AND/OR TEMPORARY CHANNEL RELOCATION OR MODIFICATION SHALL BE CONSTRUCTED UNDER DRY CONDITIONS AND STABILIZED PRIOR TO DIVERSION OF FLOW THROUGH THE NEW CHANNEL.
4. ANY DEVIATION OF THE TEMPORARY EROSION CONTROL PLAN OR SCHEDULE BY THE CONTRACTOR SHALL BE AT THE DISCRETION OF THE ENGINEER.
5. THE CONTRACTOR SHALL INSTALL ALL TEMPORARY PERIMETER CONTROLS PRIOR TO ANY GRADING OPERATION. THIS INCLUDES, BUT IS NOT LIMITED TO PERIMETER EROSION BARRIER, SEDIMENT BASINS, AND SILT FENCES. LOCATIONS AND TREATMENTS OF EROSION CONTROL MEASURES ARE SHOWN ON THE PLAN SHEETS.
6. ALL SEDIMENT BASINS, INLET & PIPE PROTECTION, AND DITCH CHECKS SHALL BE CLEANED OUT OF ALL SEDIMENT ACCUMULATION BEFORE THE WINTER SHUT DOWN DATES.
7. EACH AREA SHOWN ON THE PLANS MUST BE CLEANED AND EROSION CONTROL ITEMS SET IN PLACE AND APPROVED BY THE ENGINEER BEFORE WORK MAY BE STARTED IN ANOTHER AREA.
8. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
9. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN UP FUEL OR CHEMICAL SPILLS AND LEAKS
10. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORMWATER DISCHARGES TO WATERS OF THE STATE.
11. ALL DENUDED AREAS THAT WILL BE INACTIVE FOR 7 DAYS OR MORE (UNLESS CONSTRUCTION ACTIVITY WILL REUME ON THAT PORTION OF THE SITE WITHIN 14 DAYS), MUST BE STABILIZED TEMPORARILY.
12. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY SEEDED OR STABILIZED. THESE AREAS SHALL BE PERMANENTLY SEEDED OR STABILIZED NO LATER THAN 7 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURING IN THE AREA.
13. GENERAL CONTRACTOR IS TO DESIGNATE/IDENTIFY AREAS ON THE SITE MAPS, INSIDE THE LIMITS OF DISTURBANCE, FOR WASTE DISPOSAL AND DELIVERY AND MATERIAL STORAGE.

LEGEND

- EROSION CONTROL BLANKET
- MULCH, METHOD 2
- RIPRAP
- PERIMETER EROSION BARRIER
- LIMITS OF CONSTRUCTION
- INLET PROTECTION
- TEMPORARY DITCH CHECK

DIRECTOR: J. L. ...
 USER: NAME ...
 DATE: 12/21/2013

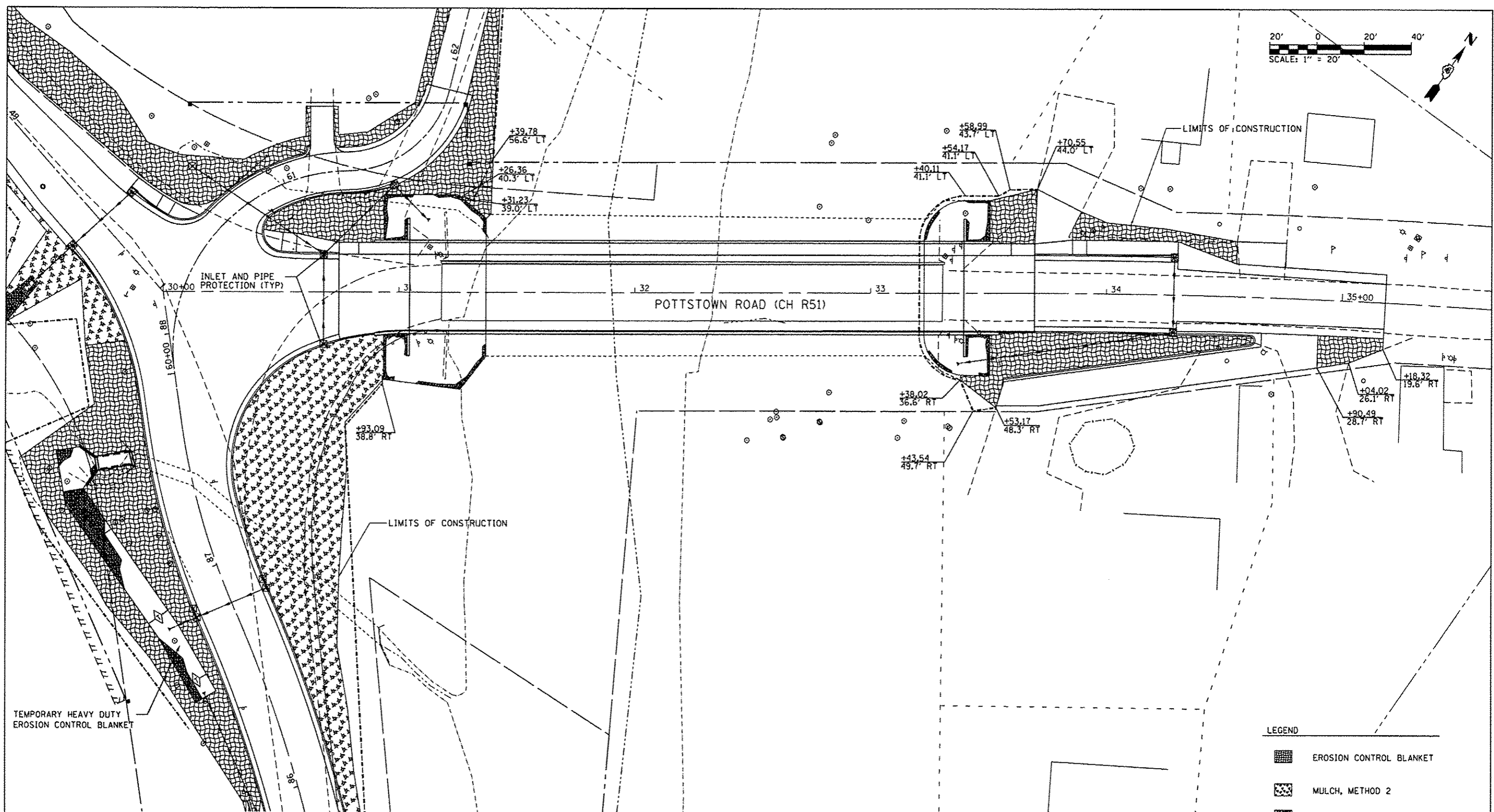
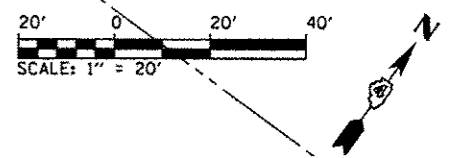
CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000513

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PLOT DATE = 12/21/2013	DATE - OCTOBER 2013	REVISED -

PEORIA COUNTY HIGHWAY DEPARTMENT
PEORIA COUNTY, ILLINOIS

EROSION CONTROL PLAN KICKAPOO CREEK ROAD (CH R51)			
SCALE: 1" = 20'	SHEET 1 OF 3 SHEETS	STA. 82+61.00 TO STA. 87+00.00	

F.A.J. RTE. 6576	SECTION 11-00009-02-BR	COUNTY PEORIA	TOTAL SHEETS 109	SHEET NO. 81
CONTRACT NO. 89643			ILLINOIS FED. AID PROJECT	



LEGEND

	EROSION CONTROL BLANKET
	MULCH, METHOD 2
	RIPRAP
	PERIMETER EROSION BARRIER
	LIMITS OF CONSTRUCTION
	INLET PROTECTION
	TEMPORARY DITCH CHECK

DESIGNED BY: EMM
 DRAWN BY: ANH
 CHECKED BY: EJM
 DATE: OCTOBER 2013

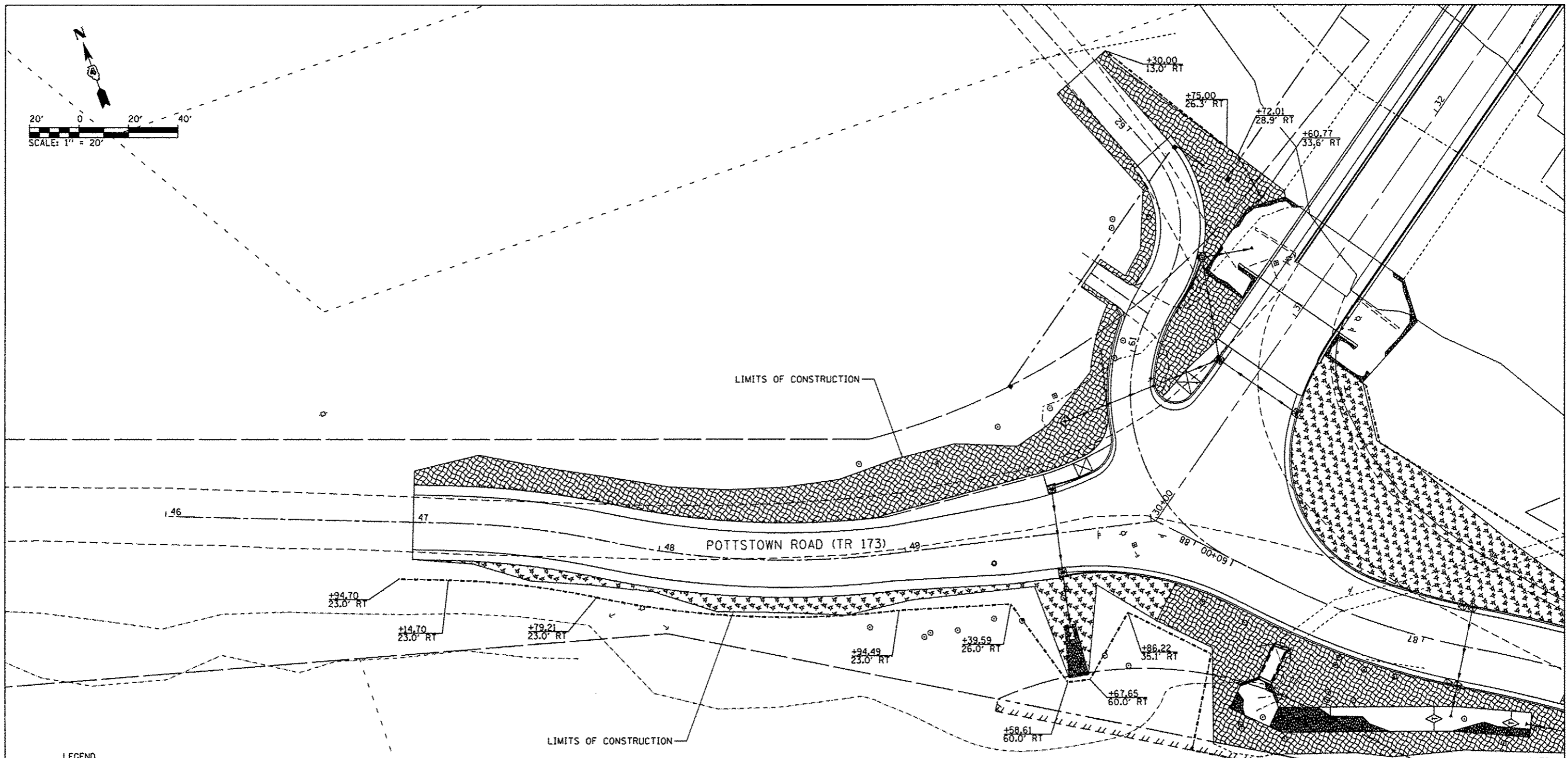
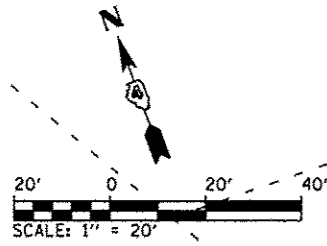
CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000513








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PLOT DATE = 10/21/2013	DATE - OCTOBER 2013	REVISED -

PEORIA COUNTY HIGHWAY DEPARTMENT
PEORIA COUNTY, ILLINOIS

EROSION CONTROL PLAN	
POTTSTOWN ROAD (CH R51)	
SCALE: 1" = 20'	SHEET 2 OF 3 SHEETS
STA. 30+00.00 TO STA. 35+18.32	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	82
CONTRACT NO. 89643				
ILLINOIS FED. AID PROJECT				



- LEGEND**
-  EROSION CONTROL BLANKET
 -  MULCH, METHOD 2
 -  RIPRAP
 -  PERIMETER EROSION BARRIER
 -  LIMITS OF CONSTRUCTION
 -  INLET PROTECTION
 -  TEMPORARY DITCH CHECK

DIRECTORY: L:\Projects\8858101\Draw\8858101.dwg
 USER: NAME
 CMT

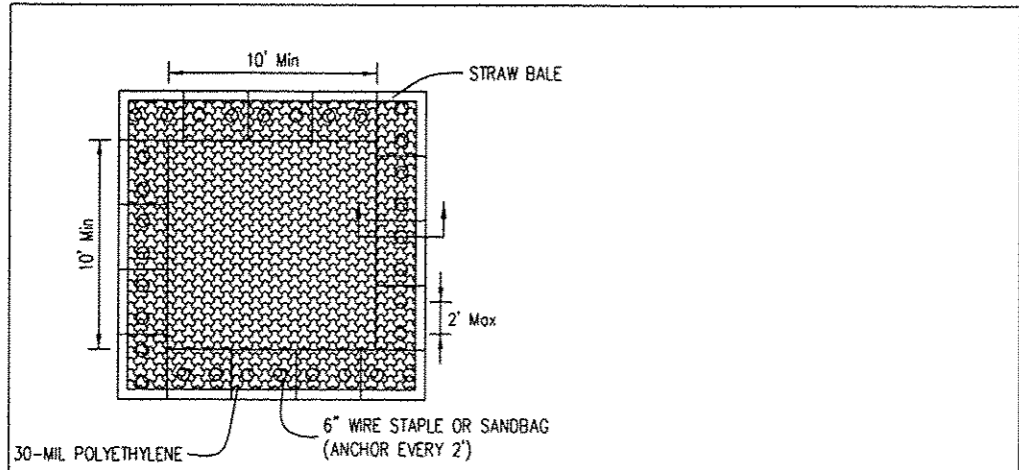
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PLOT DATE = 10/21/2013	DATE - OCTOBER 2013	REVISED -

PEORIA COUNTY HIGHWAY DEPARTMENT
PEORIA COUNTY, ILLINOIS

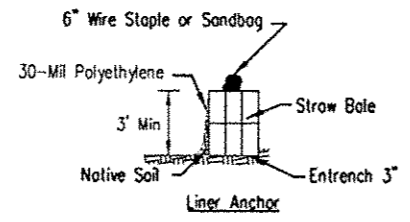
EROSION CONTROL PLAN POTTSTOWN ROAD (TR 173) AND TR 264	
SCALE: 1" = 20'	SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.U. RTE. 6576	SECTION 11-00009-02-BR	COUNTY PEORIA	TOTAL SHEETS 109	SHEET NO. 83
ILLINOIS FED. AID PROJECT				

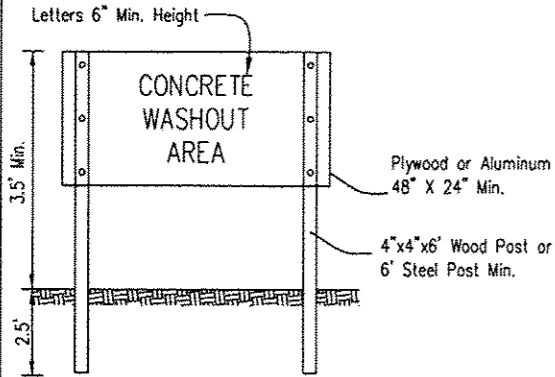
CONTRACT NO. 89643



PLAN VIEW



STRAW BALE ANCHOR SECTIONS

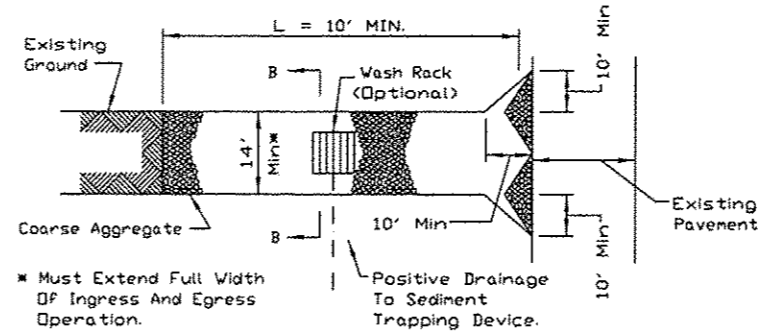


SIGN DETAIL

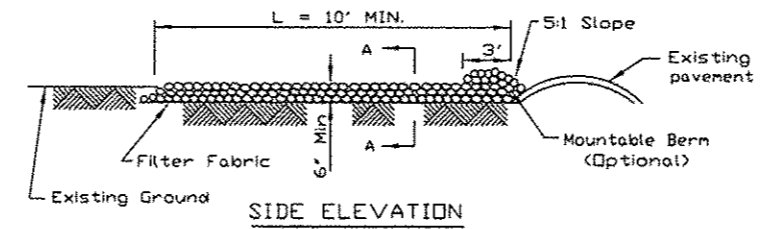
NOTES:

1. Maintaining temporary concrete washout facilities shall include removing and disposing of hardened concrete and/or slurry and returning the facilities to a functional condition.
2. Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.
3. Each straw bale is to be staked in place using (2) 2"x2"x4' wooden stakes.

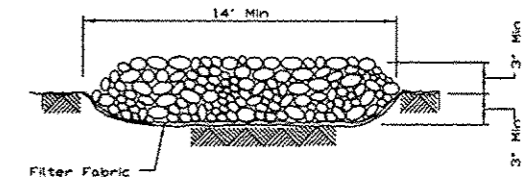
TEMPORARY CONCRETE WASHOUT FACILITY - STRAW BALE
ILLINOIS URBAN MANUAL DETAIL IMU-654SB



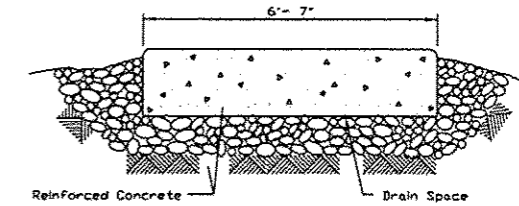
PLAN VIEW



SIDE ELEVATION



SECTION A-A



SECTION B-B

NOTES:

1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table I or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.
2. Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
3. Any drainage facilities required because of washing shall be constructed according to manufacturers specifications.
4. If wash racks are used they shall be installed according to the manufacturer's specifications.

STABILIZED CONSTRUCTION ENTRANCE
NRCS STANDARD DRAWING IL-630

DIRECTORY: C:\Program Files\AutoCAD\Aec\Aec2000\Aec2000.dwg
 USER: NAME
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CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-00013

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FILE NAME = Detail_Erosion Control.dwg	DRAWN -	REVISED -
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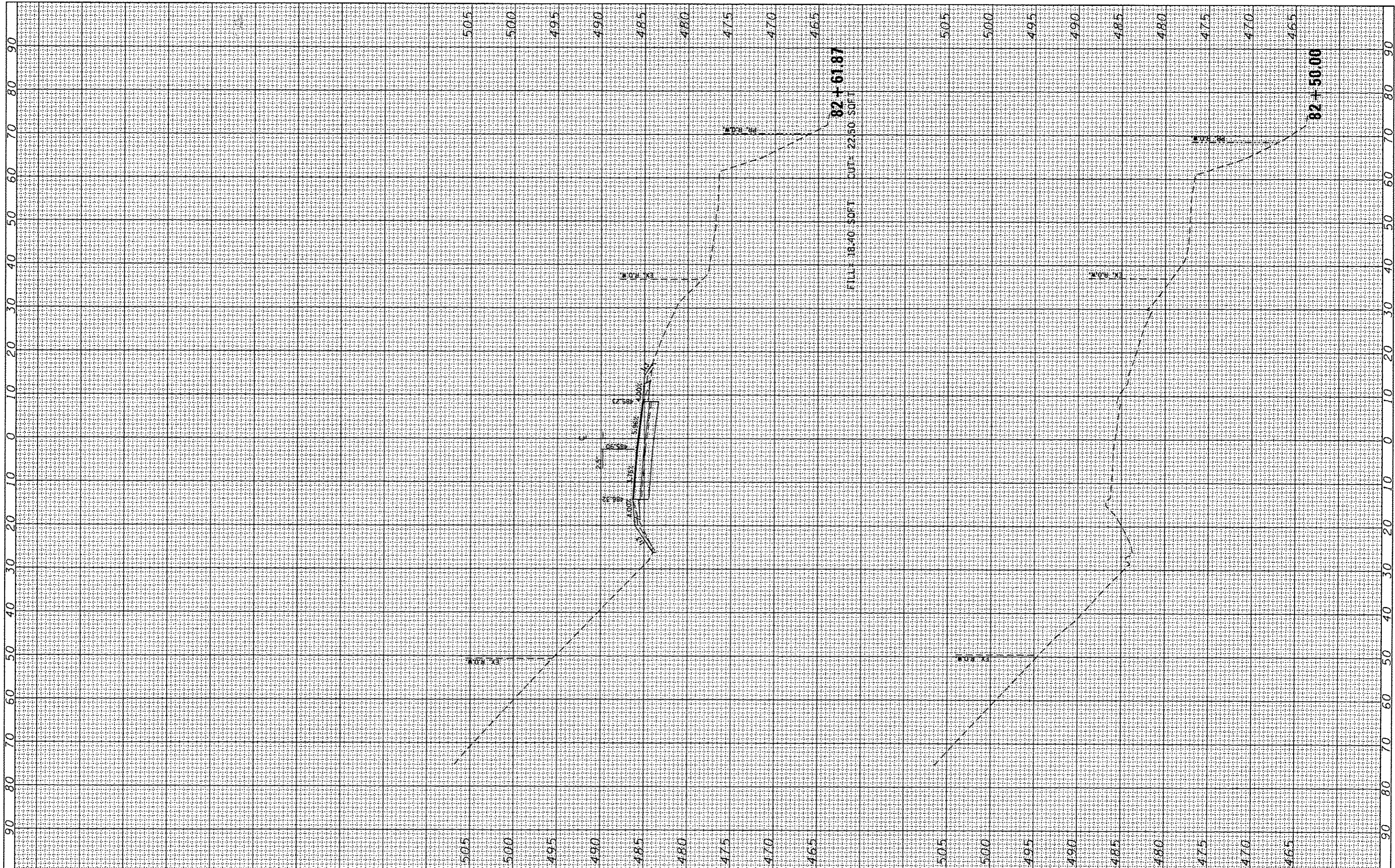
PEORIA COUNTY HIGHWAY DEPARTMENT
 PEORIA COUNTY, ILLINOIS

EROSION CONTROL DETAILS
 KICKAPOO CREEK ROAD (CH R51)
 SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	84
CONTRACT NO. 89643			ILLINOIS FED. AID PROJECT	

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

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



CMT
CRAWFORD, MURPHY & TILLY, INC.
CONSULTING ENGINEERS
16614 So. 184-000813

USER NAME = Emily Munday
PLOT SCALE = 20.0000' / in.
PLOT DATE = 10/21/2013

DESIGNED - EMM
DRAWN - EMM
CHECKED - EJM
DATE - OCTOBER 2013

REVISED -
REVISED -
REVISED -
REVISED -

CITY OF PEORIA
DEPARTMENT OF PUBLIC WORKS

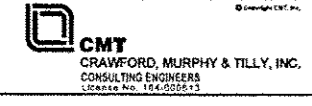
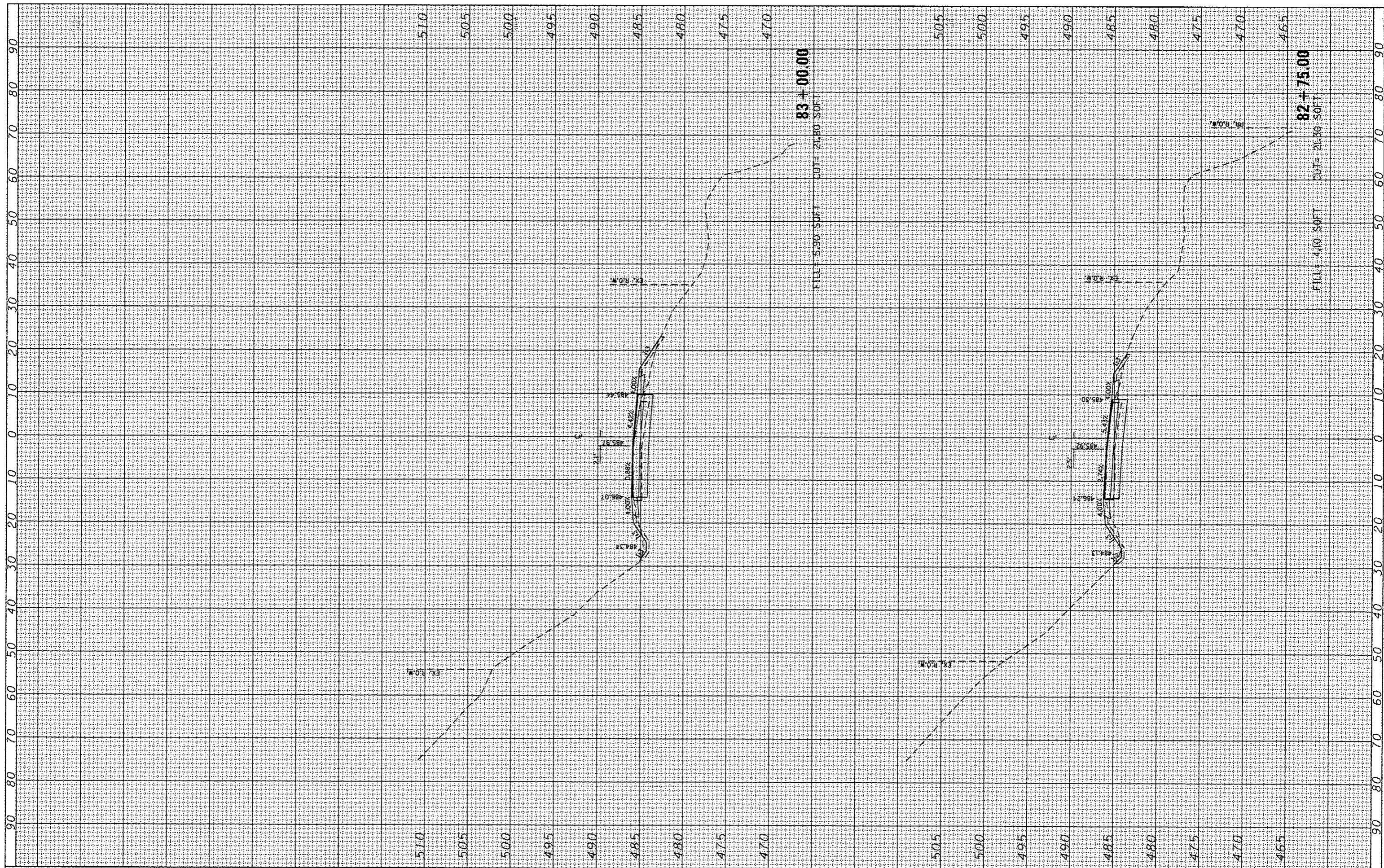
CROSS SECTIONS
KICKAPOO CREEK ROAD (CH R51)

SCALE: 1" = 5' SHEET OF SHEETS STA. 82+50.00 TO STA. 82+61.87

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	85
CONTRACT NO. 89643			ILLINOIS FED. AID PROJECT	

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NOTE BOOK NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

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



USER NAME = Emily Munday	DESIGNED - EMM	REVISED -
PLLOT SCALE = 20.0000' / 1"	DRAWN - EMM	REVISED -
PLLOT DATE = 10/21/2013	CHECKED - EJM	REVISED -
	DATE - OCTOBER 2013	REVISED -

**CITY OF PEORIA
DEPARTMENT OF PUBLIC WORKS**

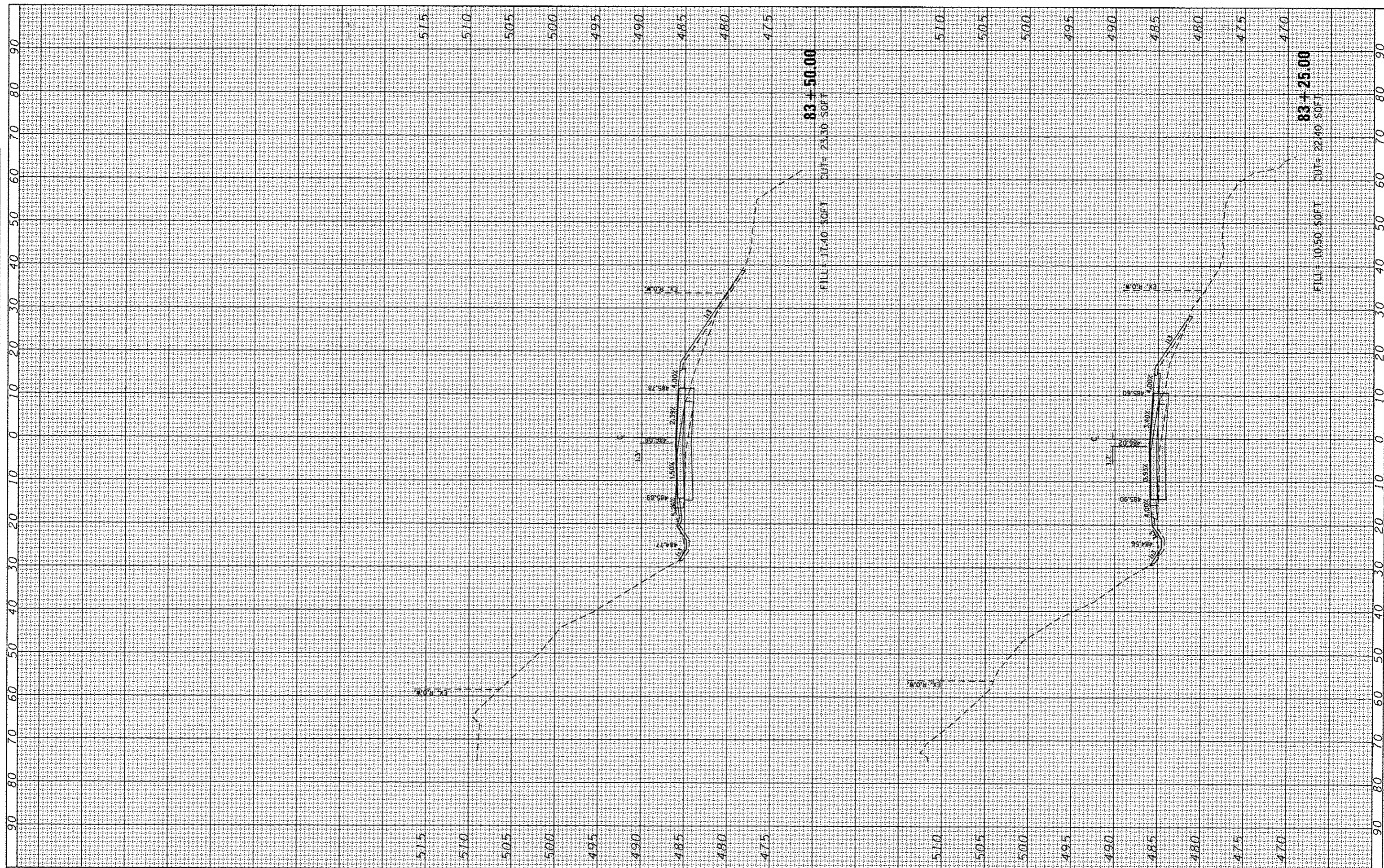
**CROSS SECTIONS
KICKAPOO CREEK ROAD (CH R51)**

SCALE: 1" = 5' SHEET OF SHEETS STA. 82+75.00 TO STA. 83+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	86
CONTRACT NO. 85643			ILLINOIS FED. AID PROJECT	

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



USER NAME	Emily Munday
DESIGNED	EJM
DRAWN	EJM
CHECKED	EJM
DATE	OCTOBER 2013
REVISIONS	
REVISED	-
REVISED	-
REVISED	-

PLLOT SCALE	20.0000' / in.
PLLOT DATE	10/21/2013

**CITY OF PEORIA
DEPARTMENT OF PUBLIC WORKS**

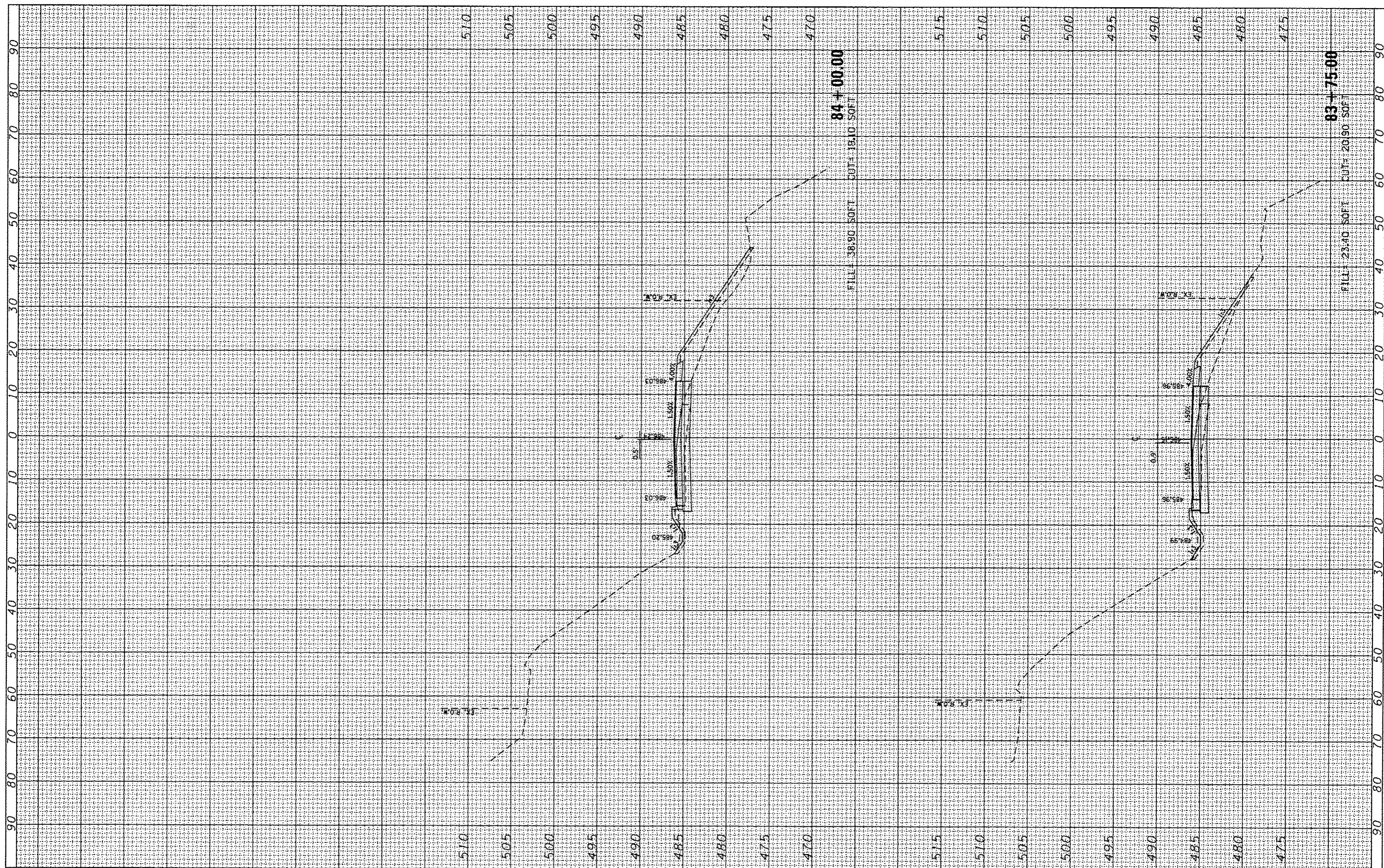
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**CROSS SECTIONS
KICKAPOO CREEK ROAD (CH R51)**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-8R	PEORIA	109	87
CONTRACT NO. 89643			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	CHECKED	BY	DATE
NOTE BOOK	PLOTTED		
AREA	TEMPLATE		
AREAS CHECKED			

ORIGINAL SURVEY	CHECKED	BY	DATE
NOTE BOOK	PLOTTED		
AREA	TEMPLATE		
AREAS CHECKED			



USER NAME = Emily Munday	DESIGNED - EMM	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - EMM	REVISED -
PLOT DATE = 10/21/2013	CHECKED - EJM	REVISED -
	DATE - OCTOBER 2013	REVISED -

**CITY OF PEORIA
DEPARTMENT OF PUBLIC WORKS**

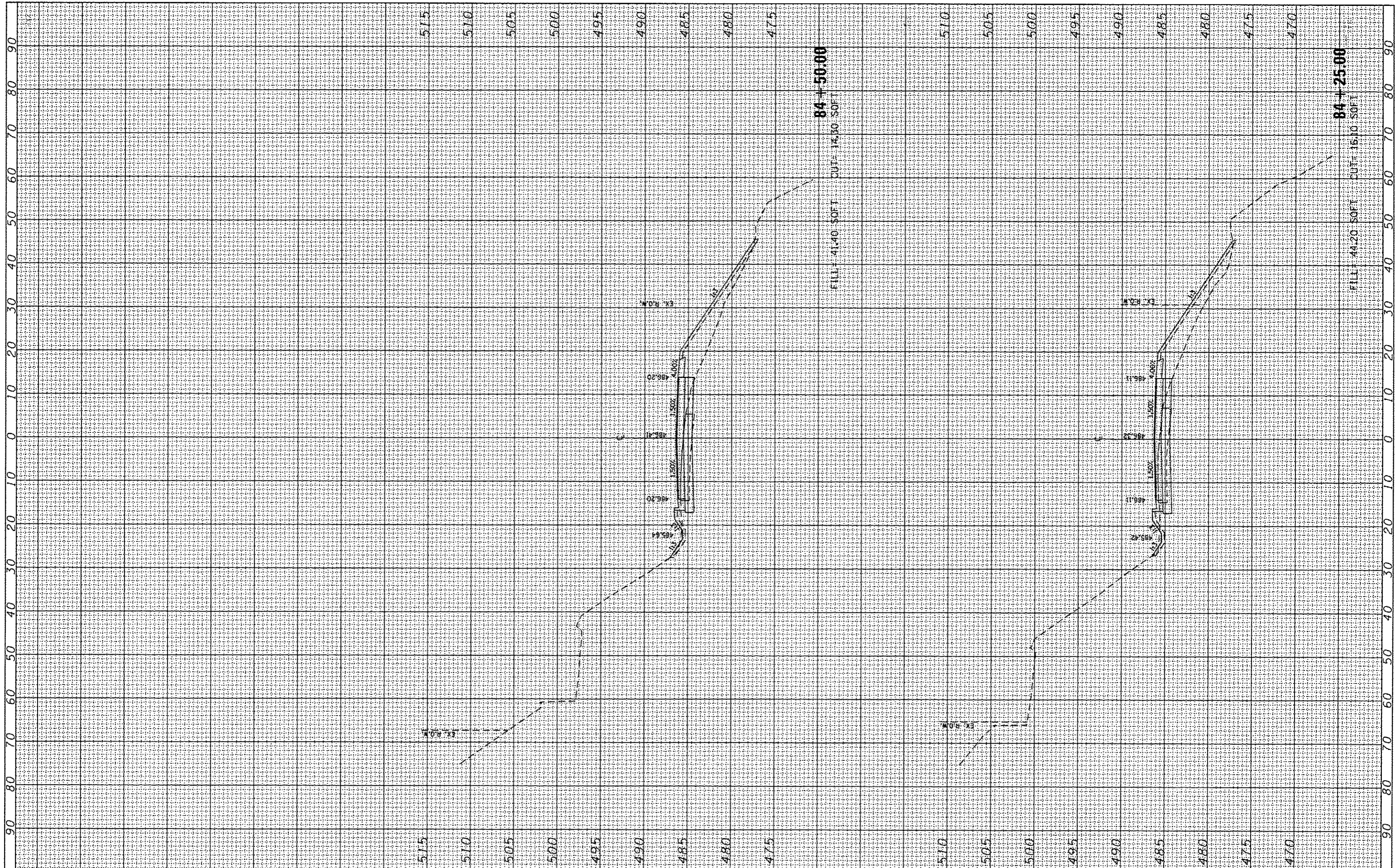
**CROSS SECTIONS
KICKAPOO CREEK ROAD (CH R51)**

SCALE: 1" = 5' SHEET OF SHEETS STA. 83+75.00 TO STA. 84+00.00

F.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	88
CONTRACT NO. 89643			ILLINOIS FED. AID PROJECT	

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



USER NAME	Emily Munday
DESIGNED	- EMM
DRAWN	- EMM
CHECKED	- EJM
DATE	- OCTOBER 2013
PLLOT SCALE	• 20,0000' / in.
PLLOT DATE	• 10/21/2013

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REVISED	-

**CITY OF PEORIA
DEPARTMENT OF PUBLIC WORKS**

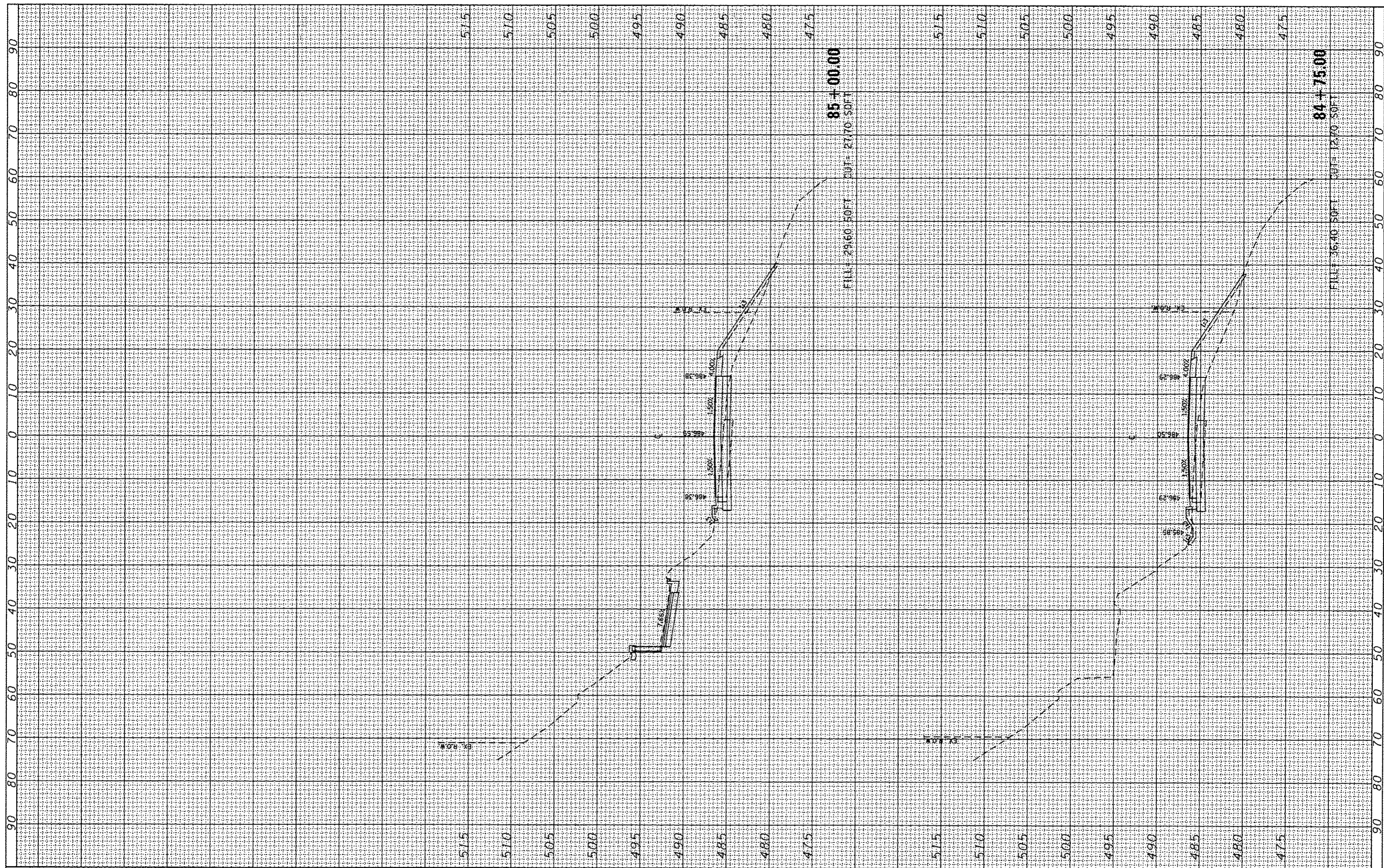
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**CROSS SECTIONS
KICKAPOO CREEK ROAD (CH R51)**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	89
CONTRACT NO. 89643			ILLINOIS FED. AID PROJECT	

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	AREAS		
	AREAS CHECKED		

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



USER NAME	Emily Munday
DESIGNED	- EMM
DRAWN	- EMM
CHECKED	- EJM
DATE	- OCTOBER 2013
PLLOT SCALE	• 20.0000' / in.
PLLOT DATE	• 10/21/2013

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**CITY OF PEORIA
DEPARTMENT OF PUBLIC WORKS**

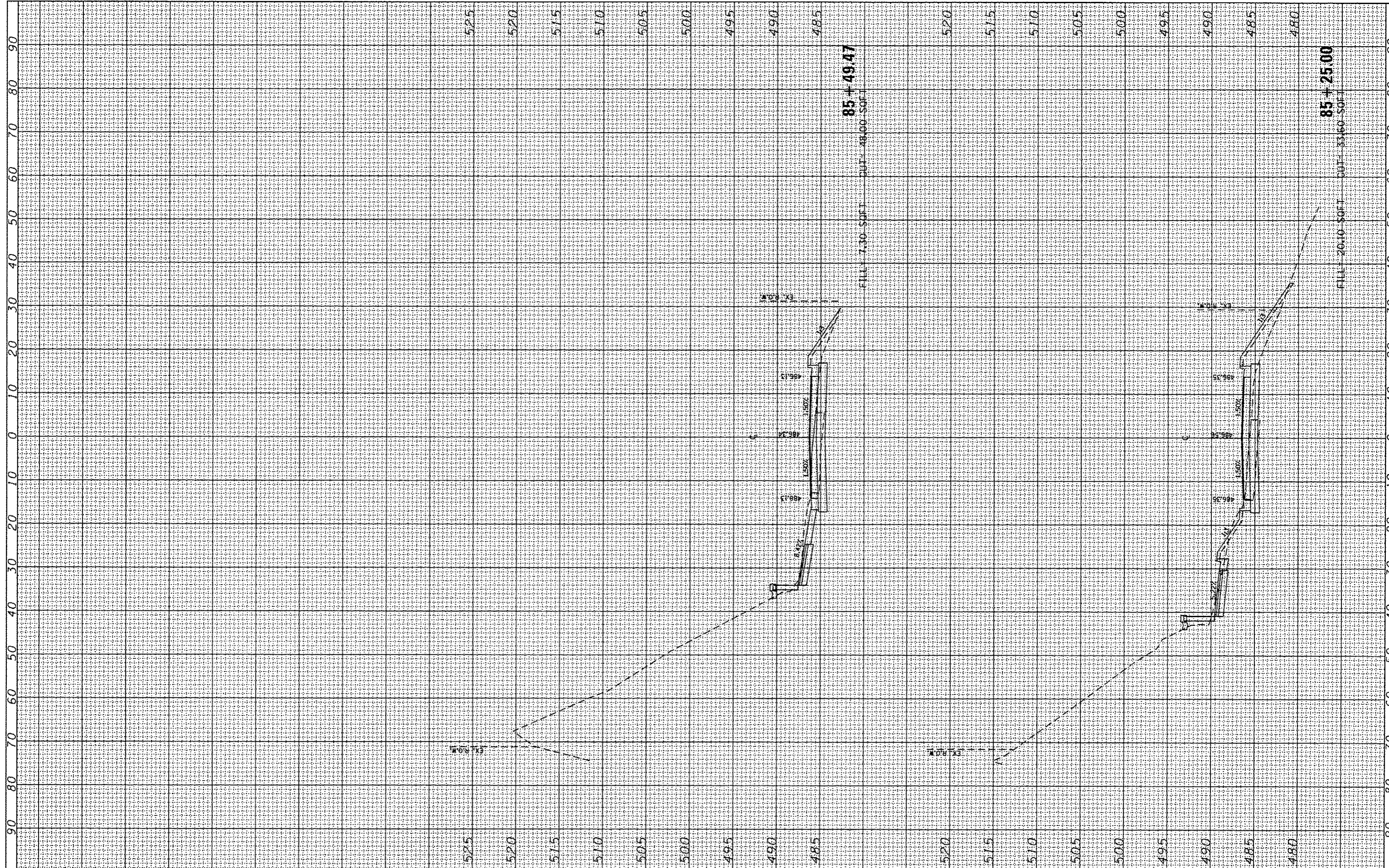
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**CROSS SECTIONS
KICKAPOO CREEK ROAD (CH R51)**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 89643			ILLINOIS FED. AID PROJECT	

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	AREAS		
	CHECKED		

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



USER NAME	Emily Munday
DESIGNED	- EMM
DRAWN	- EMM
CHECKED	- EJM
DATE	- OCTOBER 2013
PLOT SCALE	• 20.0000' / 1"
PLOT DATE	• 10/21/2013

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**CITY OF PEORIA
DEPARTMENT OF PUBLIC WORKS**

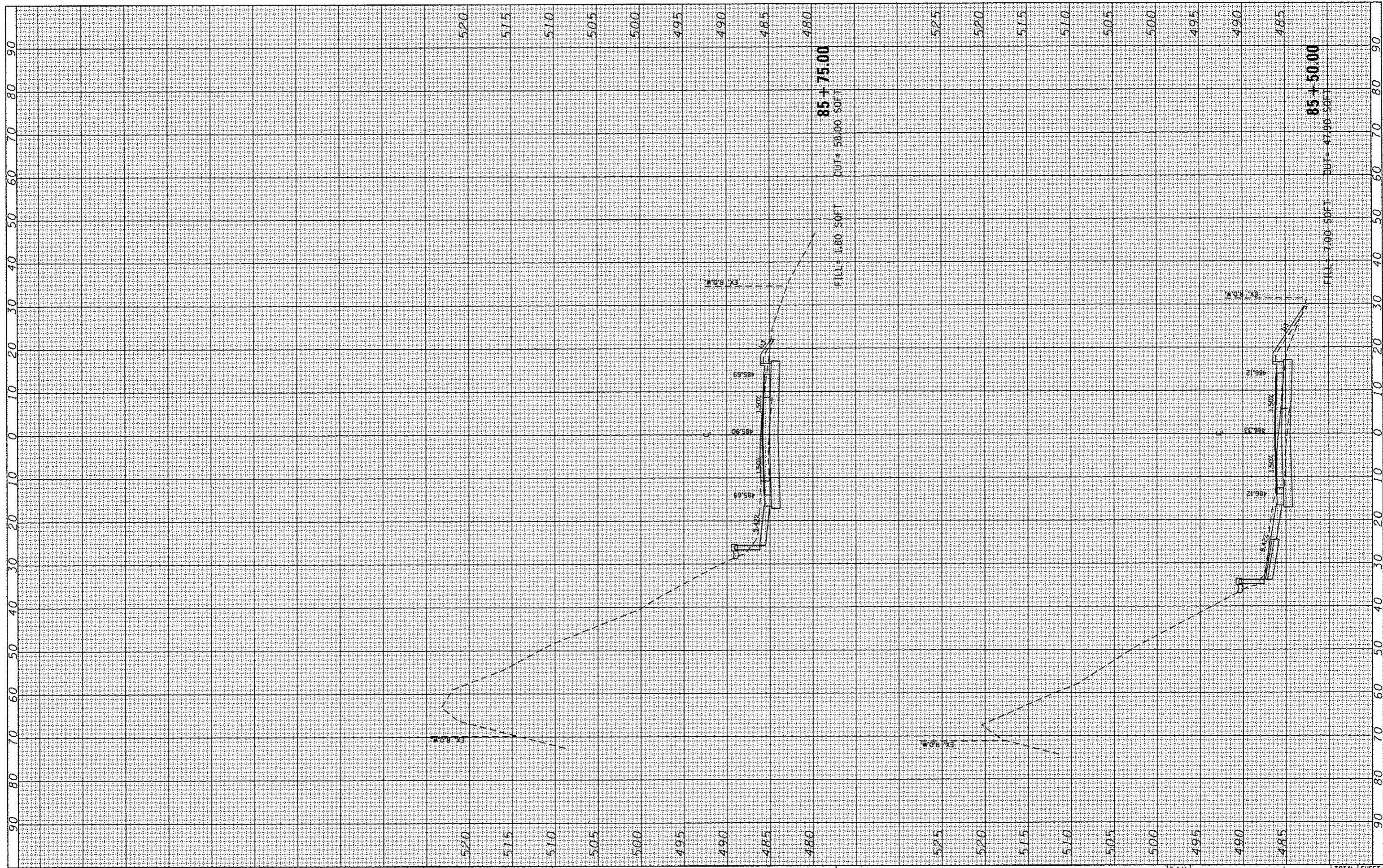
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**CROSS SECTIONS
KICKAPOO CREEK ROAD (CH R51)**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	91
CONTRACT NO. 89643			ILLINOIS FED. AID PROJECT	

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



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CONSULTING ENGINEERS
License No. 164-009113

USER NAME	Emily Munday
DESIGNED	- EMM
DRAWN	- EMM
CHECKED	- E.JH
DATE	- OCTOBER 2013
PLOT SCALE	= 20.0000' / 1" =
PLOT DATE	= 10/21/2013

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**CITY OF PEORIA
DEPARTMENT OF PUBLIC WORKS**

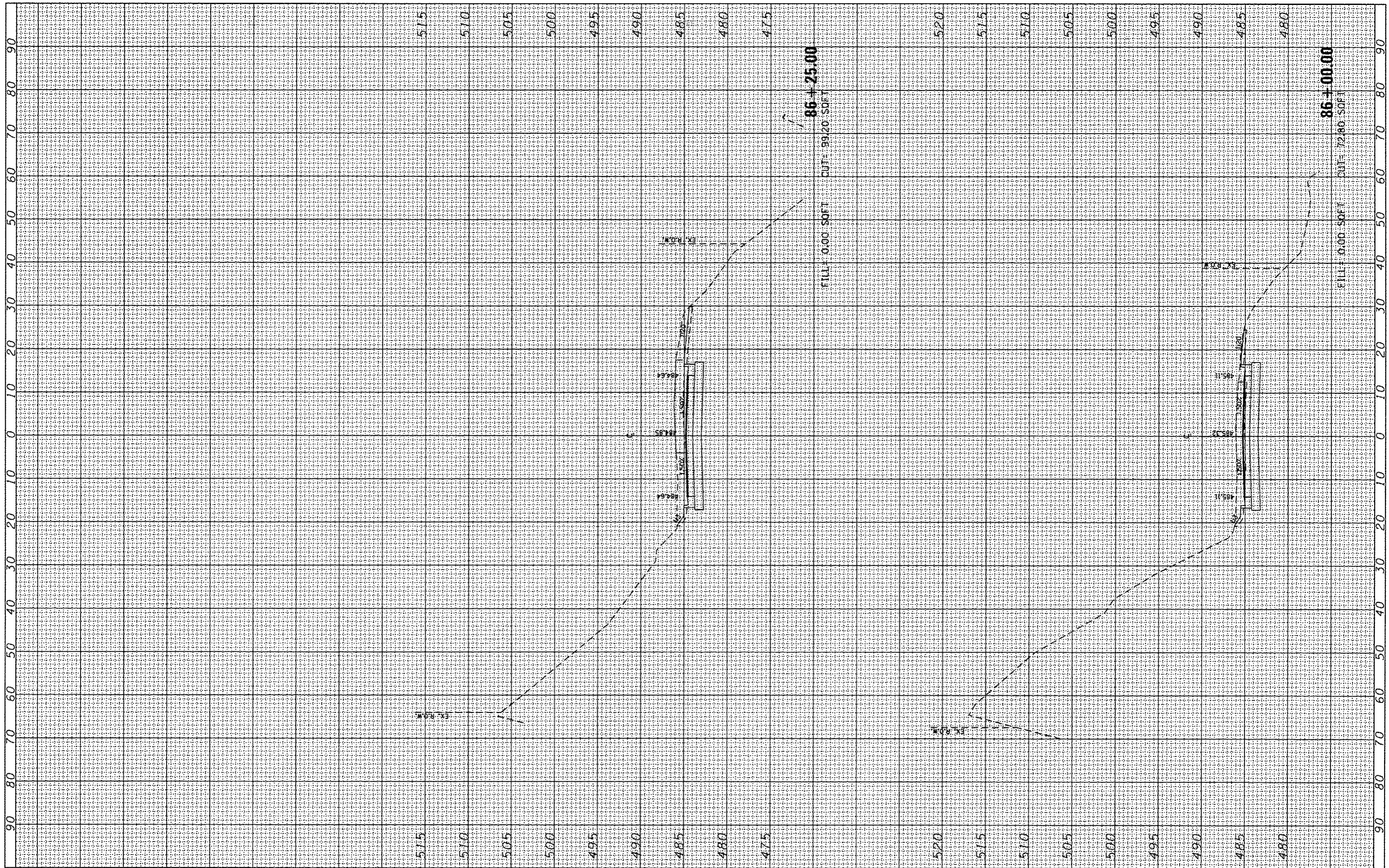
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**CROSS SECTIONS
KICKAPOO CREEK ROAD (CH R51)**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-0009-02-BR	PEORIA	109	92
			CONTRACT NO. 89643	
ILLINOIS FED. AID PROJECT				

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

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



USER NAME	Emily Munday
DESIGNED	- EMM
DRAWN	- EMM
CHECKED	- EJM
DATE	- OCTOBER 2013
REVISIONS	
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REVISED	-

**CITY OF PEORIA
DEPARTMENT OF PUBLIC WORKS**

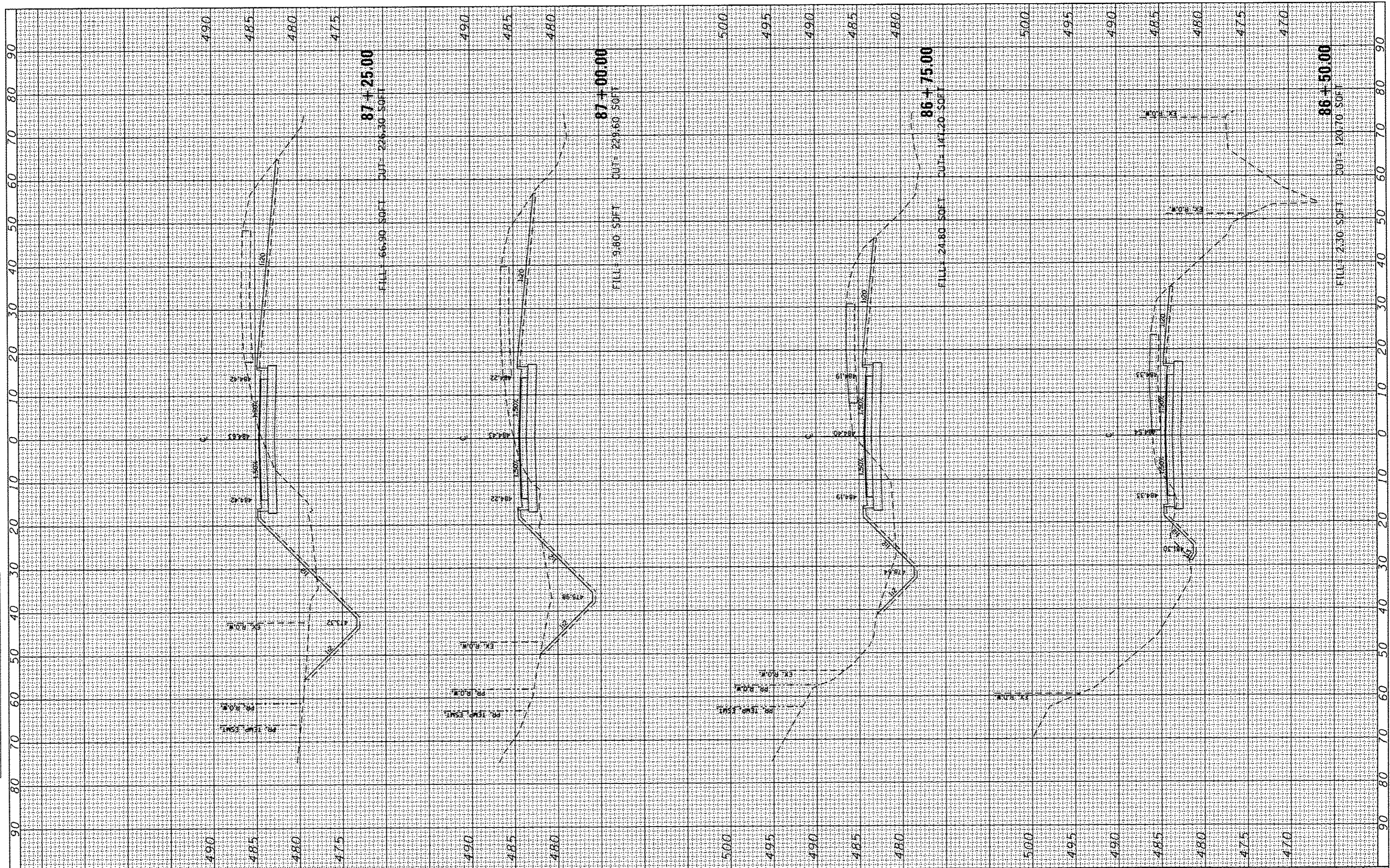
**CROSS SECTIONS
KICKAPOO CREEK ROAD (CH R51)**

SCALE: 1" = 5' SHEET OF SHEETS STA. 86+00.00 TO STA. 86+25.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	93
CONTRACT NO.			89643	
ILLINOIS FED. AID PROJECT				

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

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



CMT
CRAWFORD, MURPHY & TILLY, INC.
CONSULTING ENGINEERS
License No. 184-200613

USER NAME = Emily Munday
DESIGNED - EMM
DRAWN - EMM
CHECKED - EJM
DATE - OCTOBER 2013
PLOT SCALE = 20.0000' / in.
PLOT DATE = 10/21/2013

REVISIONS
REVISOR
DATE

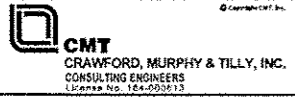
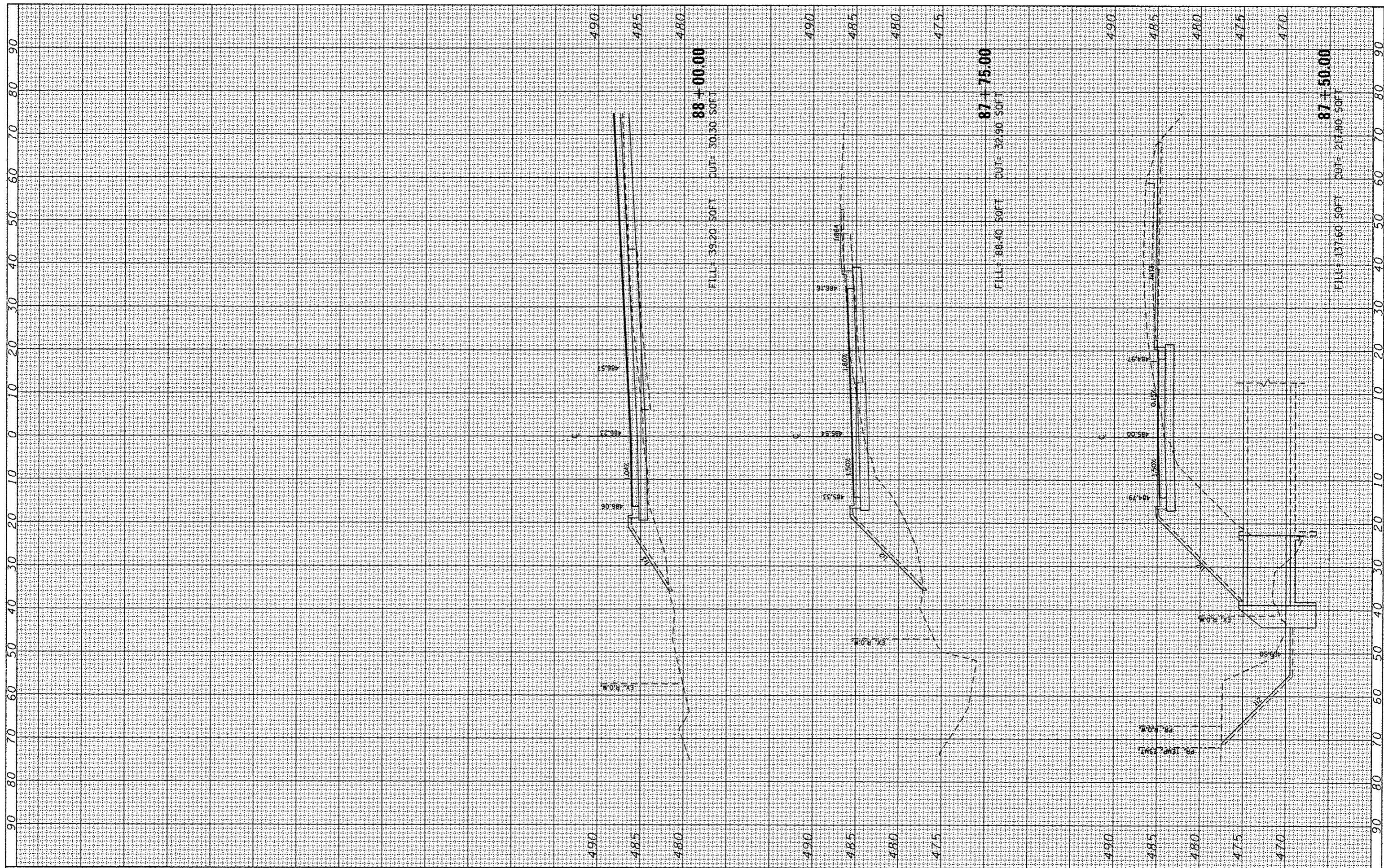
**CITY OF PEORIA
DEPARTMENT OF PUBLIC WORKS**

**CROSS SECTIONS
KICKAPOO CREEK ROAD (CH R51)**
SCALE: 1" = 5'
SHEET OF SHEETS STA. 86+50.00 TO STA. 87+25.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	94
			CONTRACT NO. 89643	
ILLINOIS FED. AID PROJECT				

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

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



USER NAME	Emily Munday
DESIGNED	- EMM
DRAWN	- EMM
CHECKED	- EJM
DATE	- OCTOBER 2013
PLLOT SCALE	• 20.0000' / 1"
PLLOT DATE	• 10/21/2013

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**CITY OF PEORIA
 DEPARTMENT OF PUBLIC WORKS**

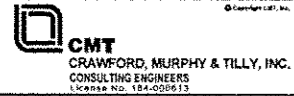
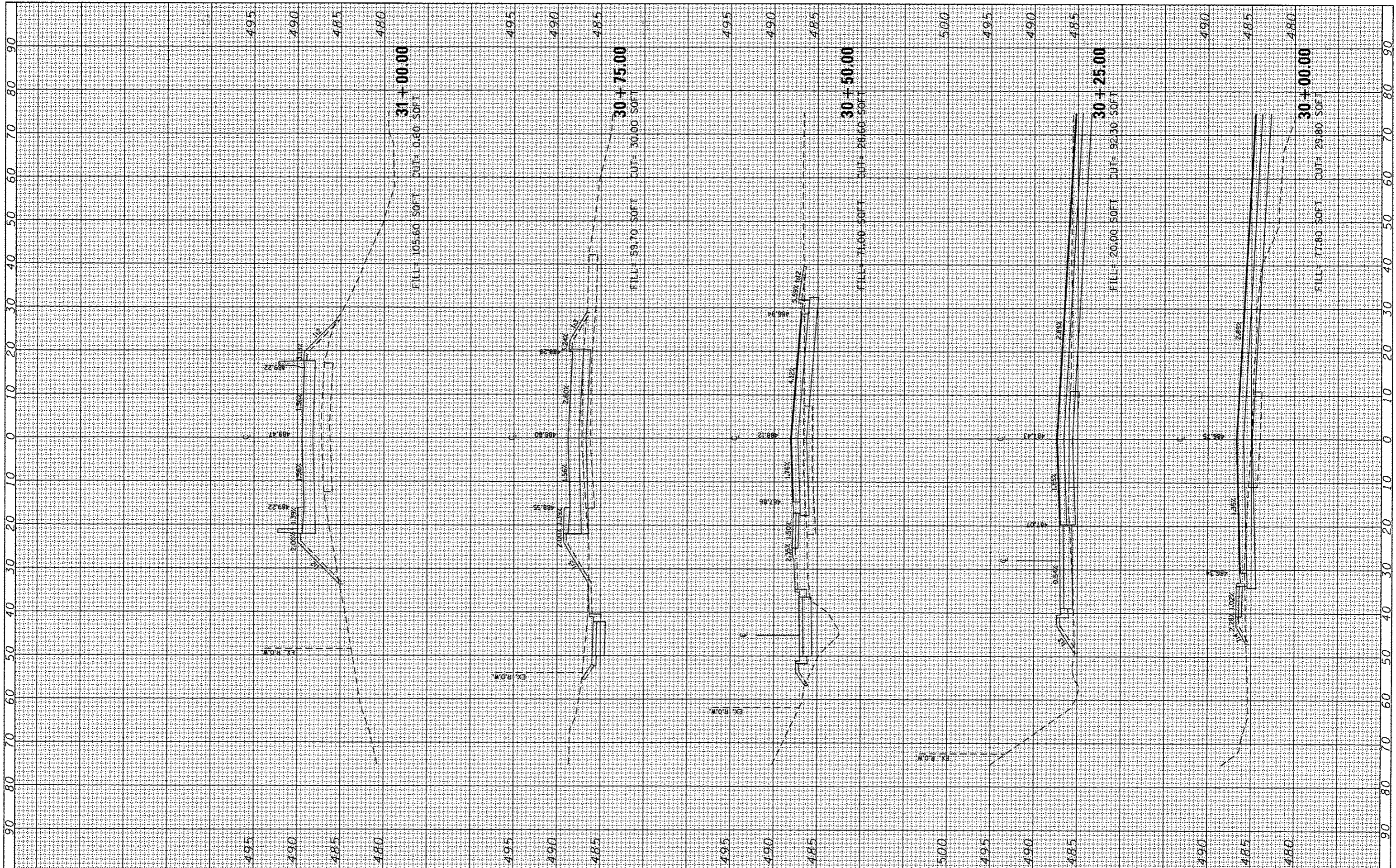
SCALE: 1" = 5'	SHEET	OF	SHEETS	STA. 87+50.00	TO STA. 88+00.00
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**CROSS SECTIONS
 KICKAPOO CREEK ROAD (CH R51)**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	95
CONTRACT NO. 89643			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	BY	DATE
CHECKED		
NOTED		
PLANNED		
AS BUILT		
NO.		

ORIGINAL SURVEY	BY	DATE
CHECKED		
NOTED		
PLANNED		
AS BUILT		
NO.		



USER NAME	Emily Munday
DESIGNED	- EMM
DRAWN	- EMM
CHECKED	- EJM
DATE	- OCTOBER 2013
PLLOT SCALE	= 28.0000 "/>
PLLOT DATE	= 10/21/2013

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**CITY OF PEORIA
DEPARTMENT OF PUBLIC WORKS**

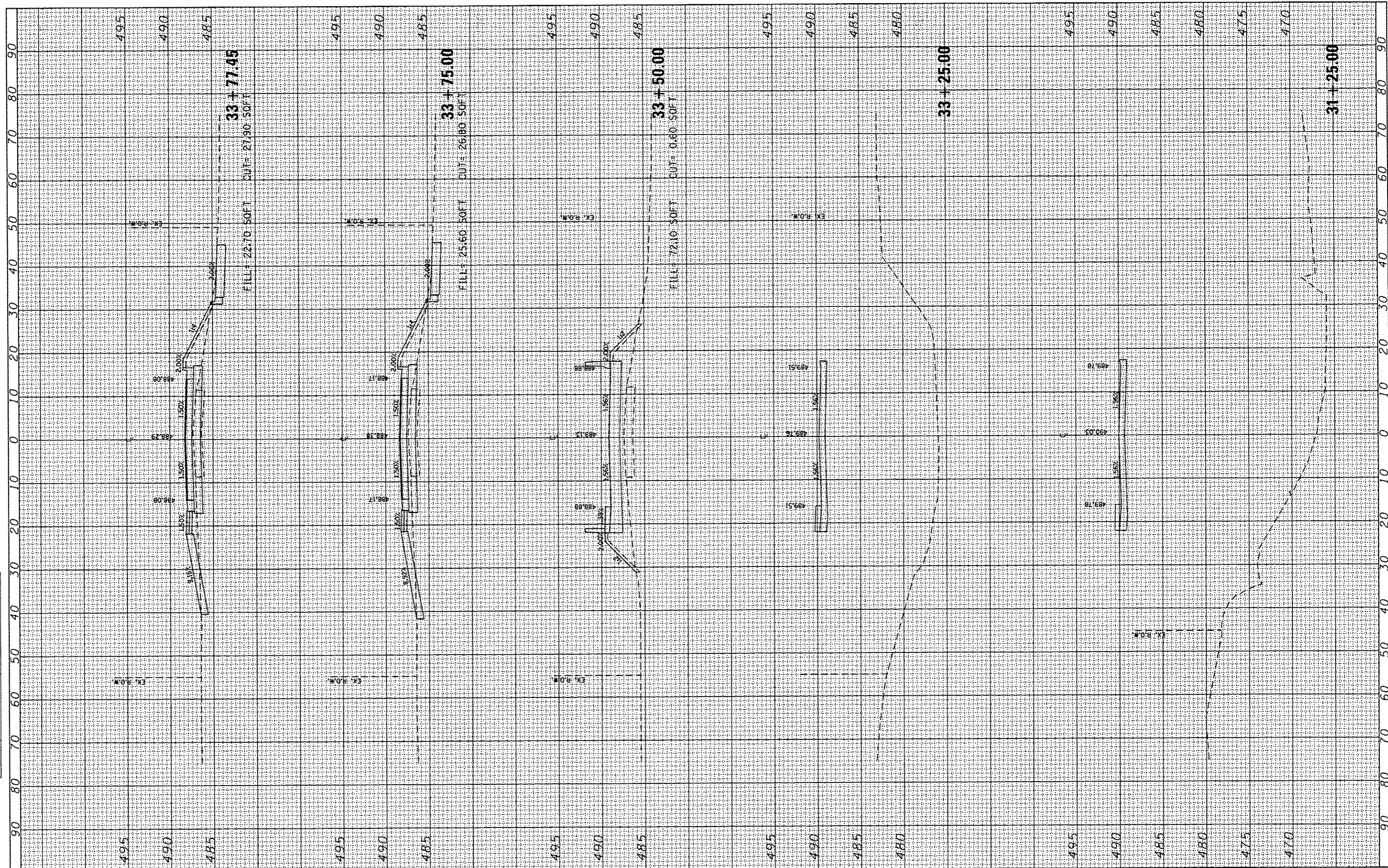
**CROSS SECTIONS
POTTSTOWN ROAD (CH R51)**

SCALE: 1" = 5' SHEET OF SHEETS STA. 30+00.00 TO STA. 31+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	96
				CONTRACT NO. 89643
ILLINOIS FED. AID PROJECT				

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

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



CMT
CRAWFORD, MURPHY & TILLY, INC.
CONSULTING ENGINEERS
License No. 124-008513

USER NAME = Emily Munday
PLOT SCALE = 20.0000' / 1" =
PLOT DATE = 10/21/2013

DESIGNED - EMM
DRAWN - EMM
CHECKED - EJH
DATE - OCTOBER 2013

REVISED -
REVISED -
REVISED -
REVISED -

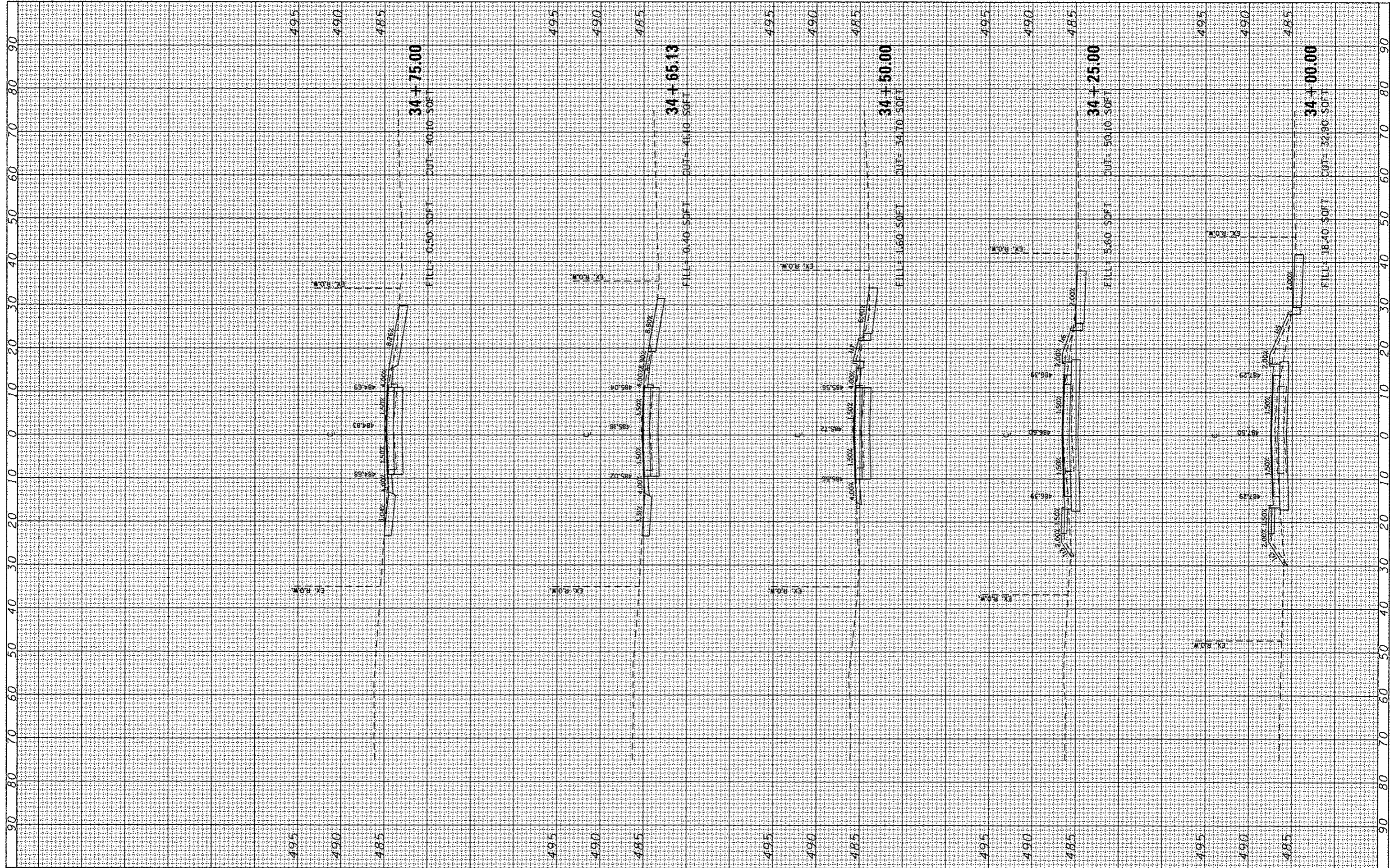
**CITY OF PEORIA
DEPARTMENT OF PUBLIC WORKS**

**CROSS SECTIONS
POTTSTOWN ROAD (CH R51)**
SCALE: 1" = 5'
SHEET OF SHEETS STA. 31+25.00 TO STA. 33+77.45

FA.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	97
			CONTRACT NO. 89643	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	DATE
NO. _____	_____
EXEMPTED	BY
PLOTTED	DATE
TEMPLATE	_____
AREAS	_____
CHECKED	_____

ORIGINAL SURVEY	DATE
NO. _____	_____
EXEMPTED	BY
PLOTTED	DATE
TEMPLATE	_____
AREAS	_____
CHECKED	_____



CMT
CRAWFORD, MURPHY & TILLY, INC.
CONSULTING ENGINEERS
Chicago No. 184-005615

USER NAME = Emily Munday	DESIGNED - EMM	REVISED -
PLLOT SCALE = 20.0000' / in.	DRAWN - EMM	REVISED -
PLLOT DATE = 10/21/2013	CHECKED - EJM	REVISED -
	DATE - OCTOBER 2013	REVISED -

**CITY OF PEORIA
DEPARTMENT OF PUBLIC WORKS**

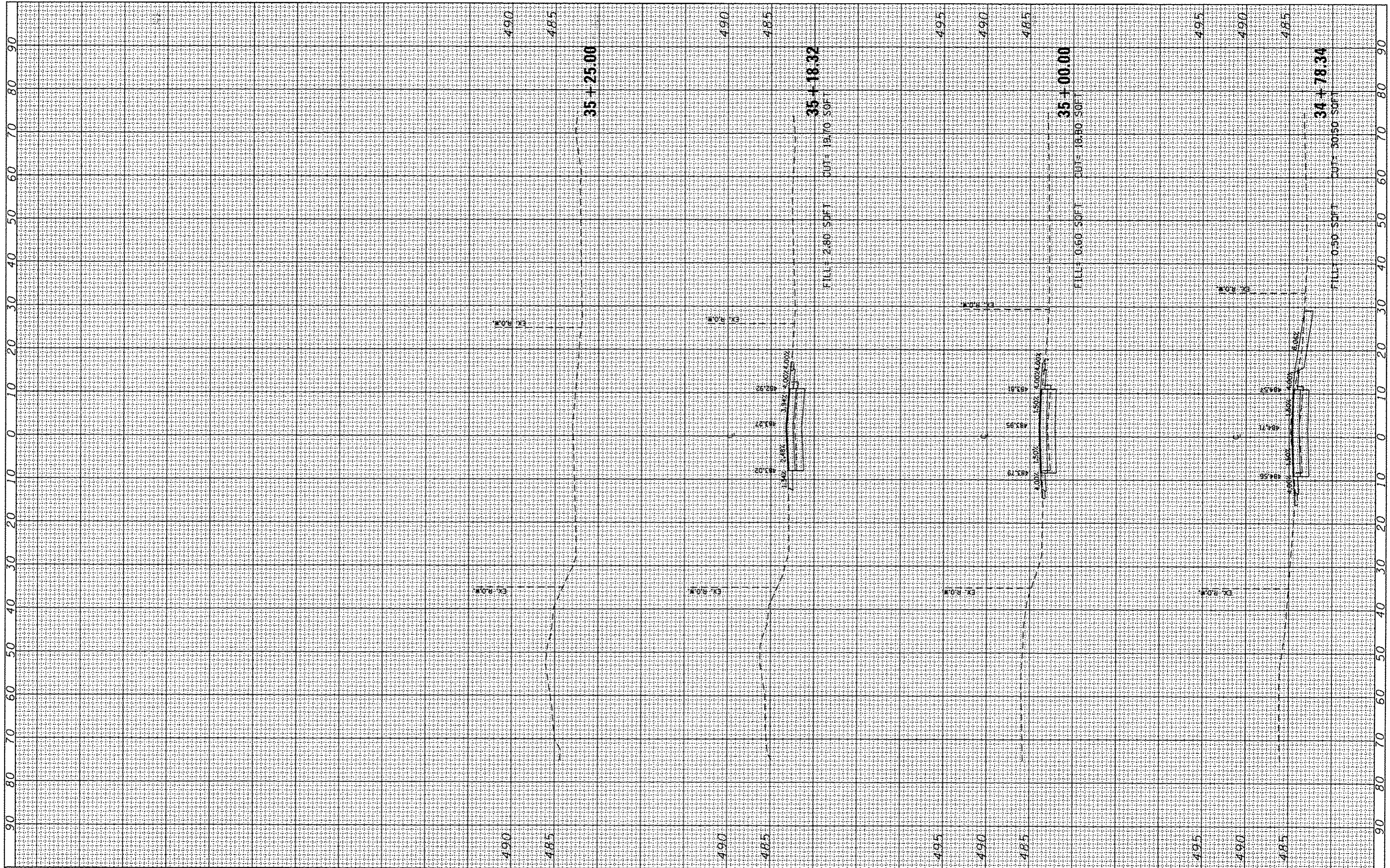
**CROSS SECTIONS
POTTSTOWN ROAD (CH R51)**

SCALE: 1" = 5' SHEET OF SHEETS STA. 34+00.00 TO STA. 34+75.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	98
CONTRACT NO. 89643			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	BY	DATE
ADJUSTED		
NOTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY	BY	DATE
ADJUSTED		
NOTED		
TEMPLATE		
AREAS		
AREAS CHECKED		



CMT
CRAWFORD, MURPHY & TILLY, INC.
CONSULTING ENGINEERS
License No. 184-059-13

USER NAME	Emily Munday		
DESIGNED	EMM	REVISIONS	-
DRAWN	EMM	REVISIONS	-
CHECKED	EJH	REVISIONS	-
DATE	OCTOBER 2013	REVISIONS	-

**CITY OF PEORIA
DEPARTMENT OF PUBLIC WORKS**

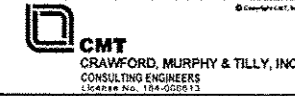
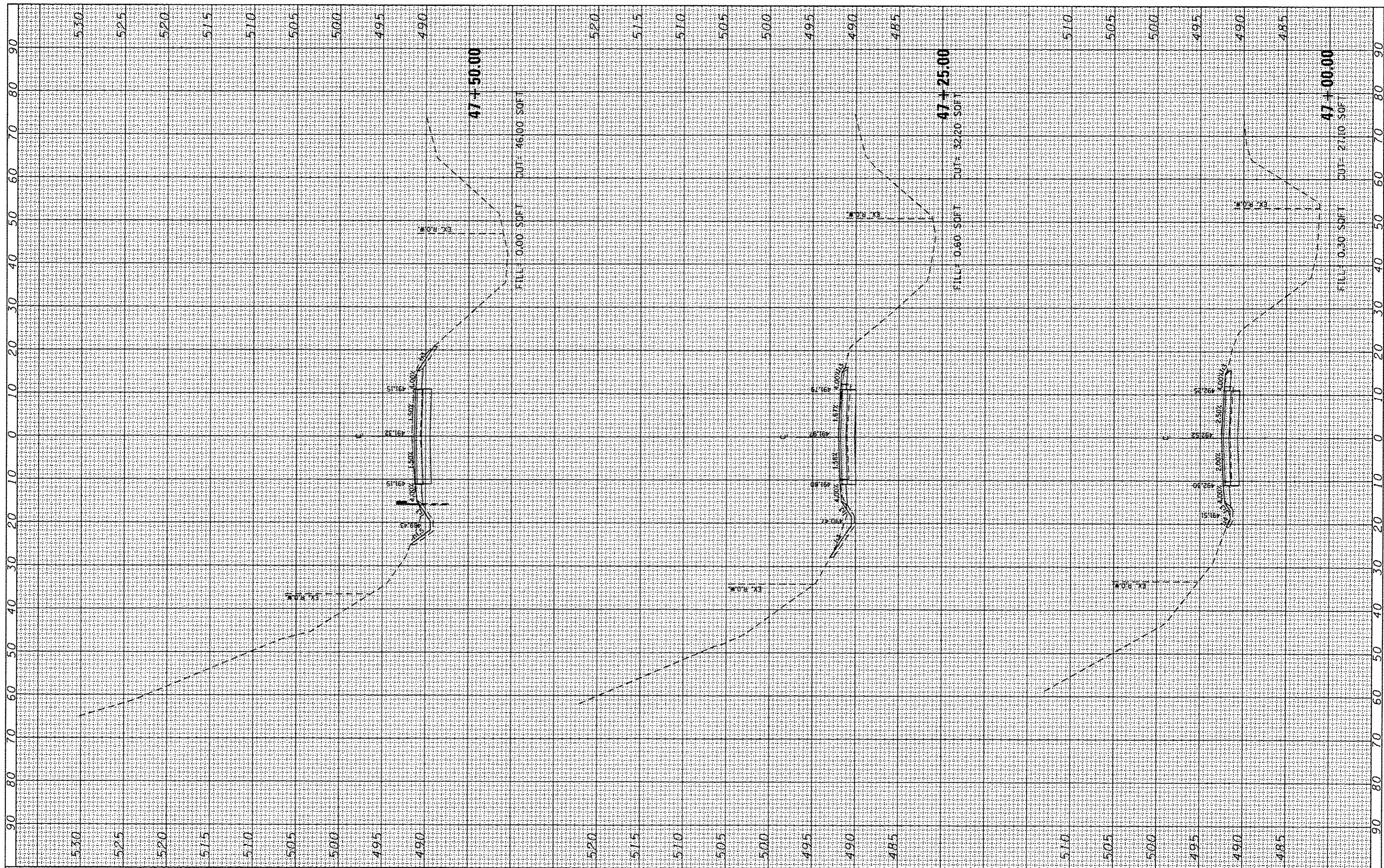
**CROSS SECTIONS
POTTSTOWN ROAD (CH R51)**

SCALE: 1" = 5' SHEET OF SHEETS STA. 34+78.34 TO STA. 35+25.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	99
CONTRACT NO. 89643			ILLINOIS FED. AID PROJECT	

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

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



USER NAME = Emily Munday	DESIGNED - EMM	REVISED -
PLOT SCALE = 28.0000' / 1"	DRAWN - EMM	REVISED -
PLOT DATE = 10/21/2013	CHECKED - EJM	REVISED -
	DATE - OCTOBER 2013	REVISED -

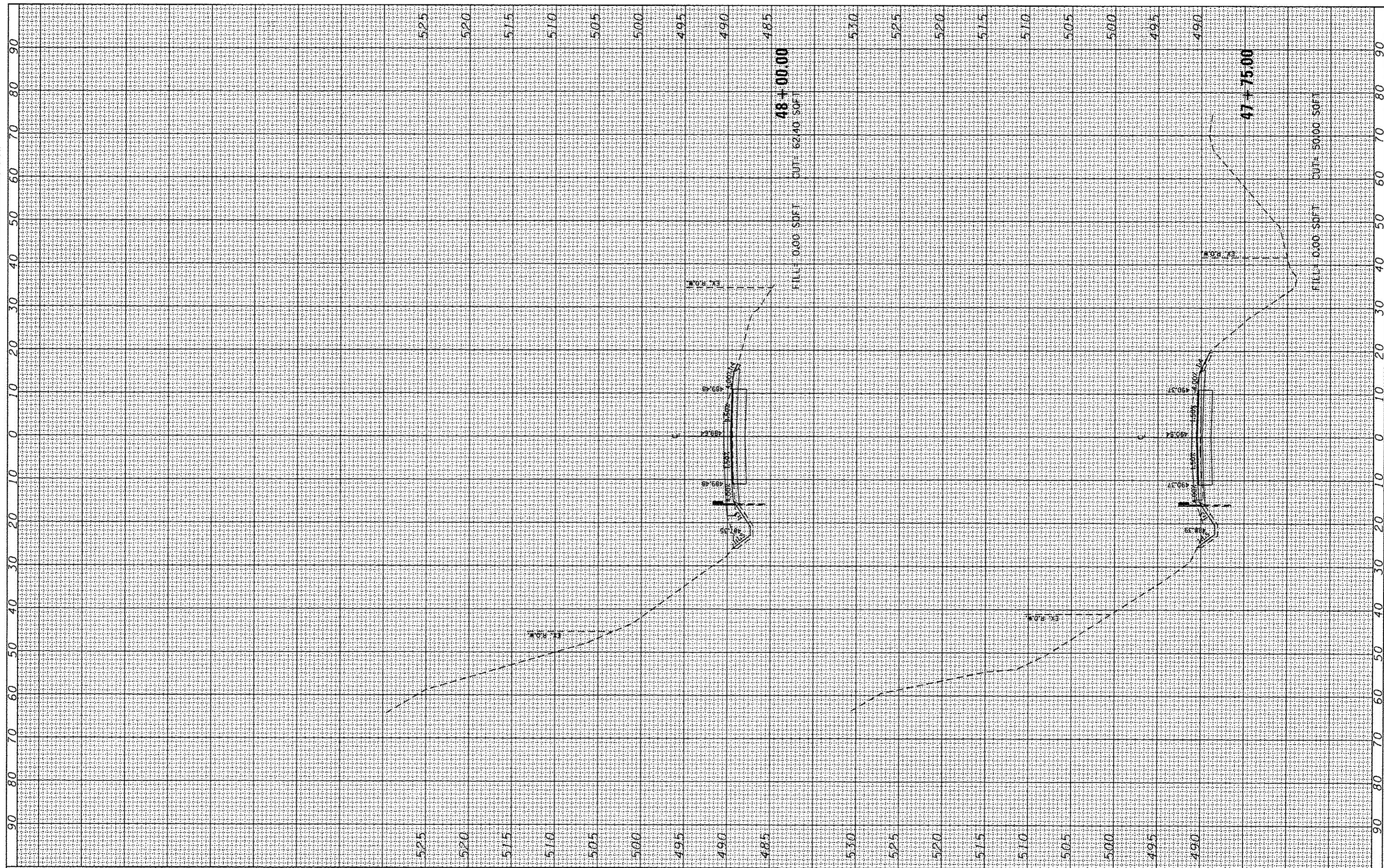
**CITY OF PEORIA
DEPARTMENT OF PUBLIC WORKS**

CROSS SECTIONS POTTSTOWN ROAD (TR 173)			
SCALE: 1" = 5'	SHEET	OF	SHEETS
STA. 47+00.00	TO	STA. 47+50.00	

F.A.U. RTE. 6576	SECTION 11-00009-02-BR	COUNTY PEORIA	TOTAL SHEETS 109	SHEET NO. 100
CONTRACT NO. 89643			ILLINOIS FED. AID PROJECT	

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

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



USER NAME	Emily Munday
DESIGNED	- EMM
DRAWN	- EMM
CHECKED	- EJM
DATE	- OCTOBER 2013
REVISIONS	
REVISED	-
REVISED	-
REVISED	-
REVISED	-

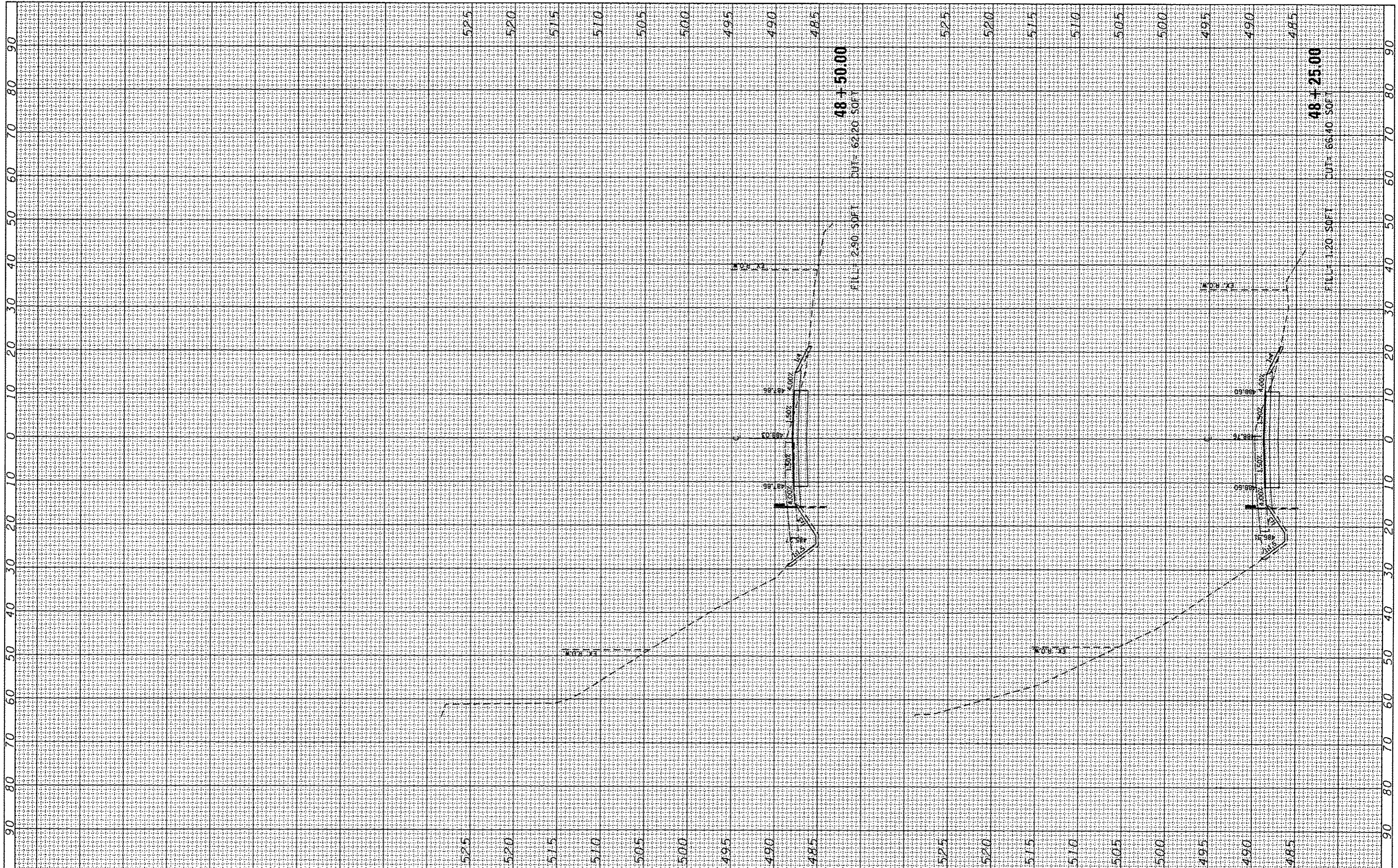
**CITY OF PEORIA
DEPARTMENT OF PUBLIC WORKS**

SCALE:	1" = 5'
SHEET	47+75.00 SHEETS
STAB+00.00	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	101
CONTRACT NO. 89643			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	BY	DATE
CHECKED		
PLOTTED		
TEMPLATE		
AREA		
AREAS CHECKED		
NO.		

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



CMT
CRAWFORD, MURPHY & TILLY, INC.
CONSULTING ENGINEERS
1200 N. 1st St., Peoria, IL 61603

USER NAME	Emily Munday
DESIGNED	- EMM
DRAWN	- EMM
CHECKED	- EJM
DATE	- OCTOBER 2013
REVISIONS	
REVISED	-
REVISED	-
REVISED	-

**CITY OF PEORIA
DEPARTMENT OF PUBLIC WORKS**

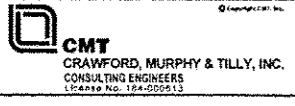
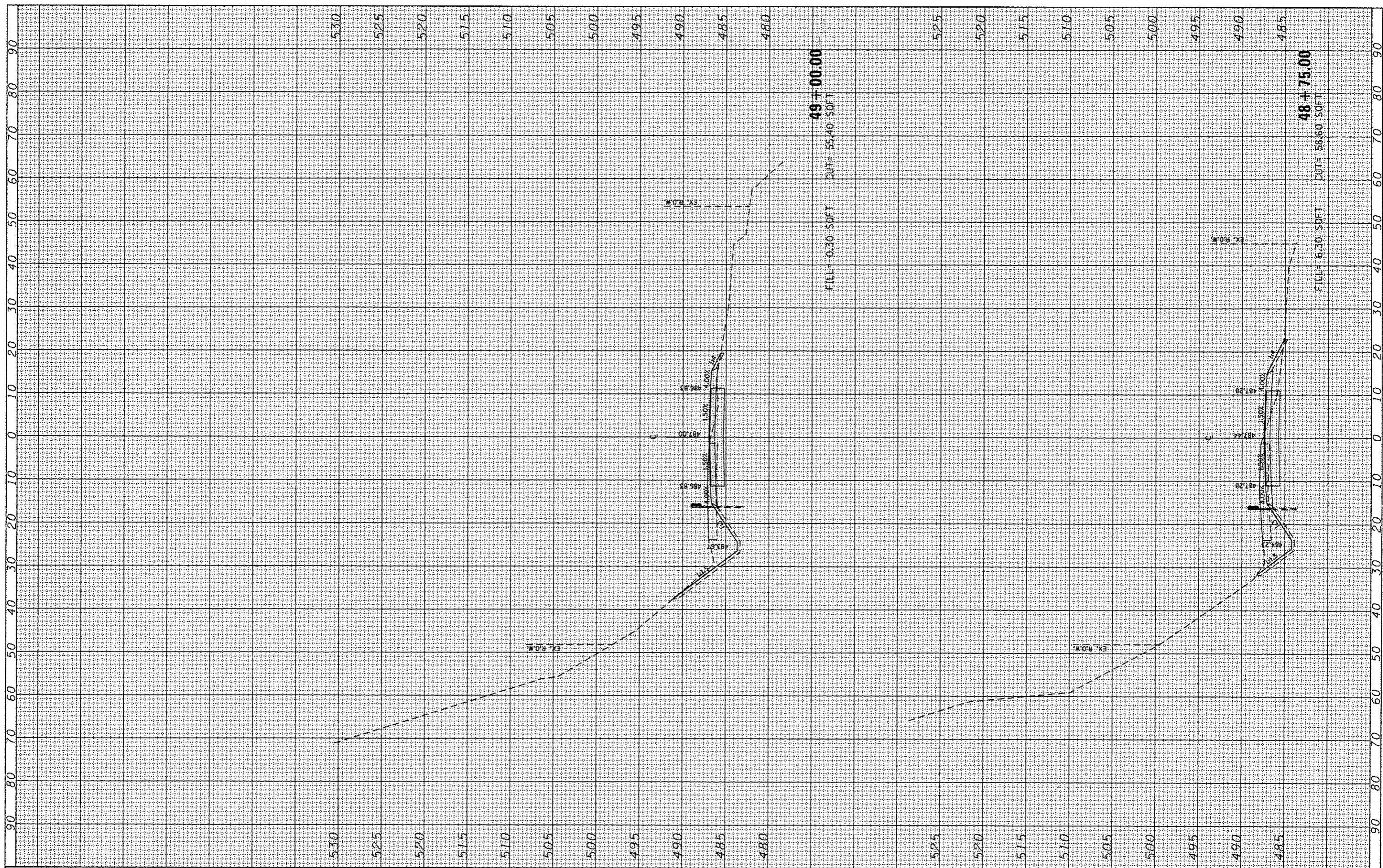
**CROSS SECTIONS
POTTSTOWN ROAD (TR 173)**

SCALE: 1" = 5' SHEET OF SHEETS STA. 48+25.00 TO STA. 48+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	102
CONTRACT NO. 89643			ILLINOIS FED. AID PROJECT	

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

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



USER NAME = Emily Munday	DESIGNED - EMM	REVISED -
PLLOT SCALE = 28.8000' / in.	DRAWN - EMM	REVISED -
PLLOT DATE = 10/21/2013	CHECKED - EJM	REVISED -
	DATE - OCTOBER 2013	REVISED -

**CITY OF PEORIA
DEPARTMENT OF PUBLIC WORKS**

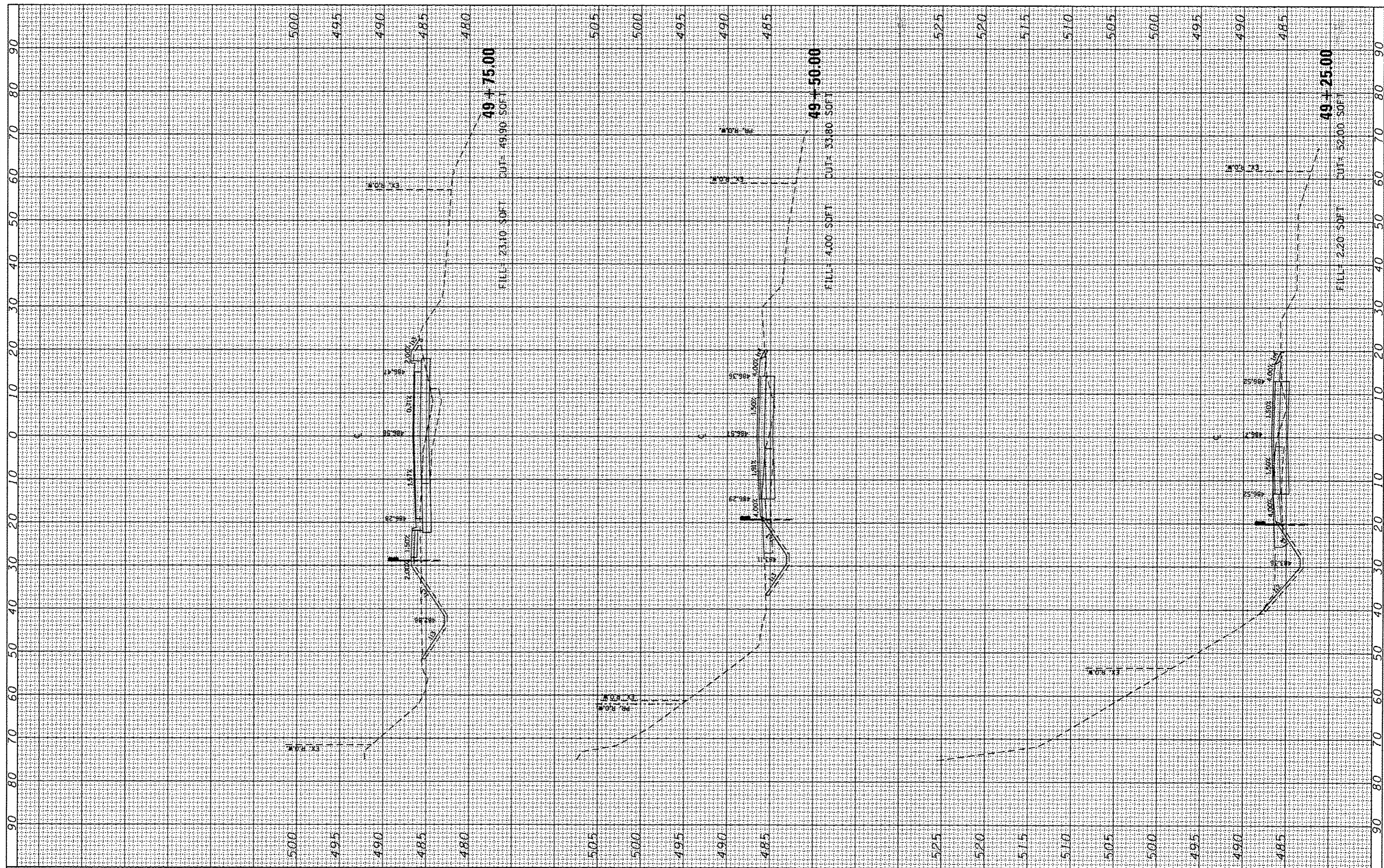
**CROSS SECTIONS
POTTSTOWN ROAD (TR 173)**

SCALE: 1" = 5' SHEET OF SHEETS STA. 48+75.00 TO STA. 49+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-0R	PEORIA	109	103
CONTRACT NO. 89643			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
CHECKED		
NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
CHECKED		
NO.		



USER NAME	Emily Munday
DESIGNED	EMM
DRAWN	EMM
CHECKED	EJH
DATE	OCTOBER 2013
PLOT SCALE	20.0000' / in.
PLOT DATE	10/21/2013

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**CITY OF PEORIA
DEPARTMENT OF PUBLIC WORKS**

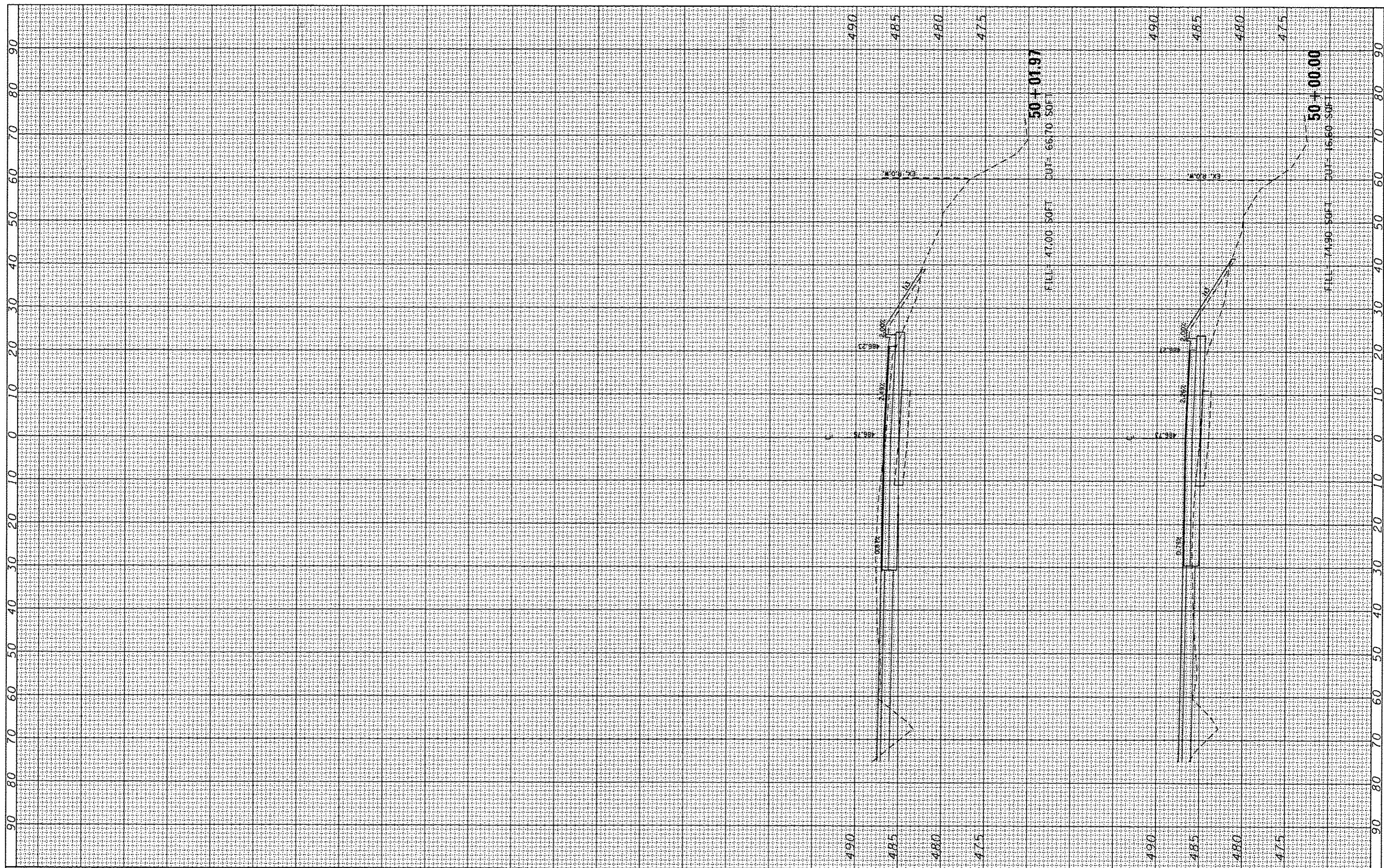
SCALE: 1" = 5'	
SHEET	OF SHEETS
STA. 49+25.00 TO STA. 49+75.00	

**CROSS SECTIONS
POTTSTOWN ROAD (TR 173)**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	104
CONTRACT NO. 89643			ILLINOIS FED. AID PROJECT	

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

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



USER NAME	Emily Munday
DESIGNED	- EMM
DRAWN	- EMM
CHECKED	- EJM
DATE	- OCTOBER 2013
REVISIONS	
REVISED	-
REVISED	-
REVISED	-
REVISED	-

**CITY OF PEORIA
DEPARTMENT OF PUBLIC WORKS**

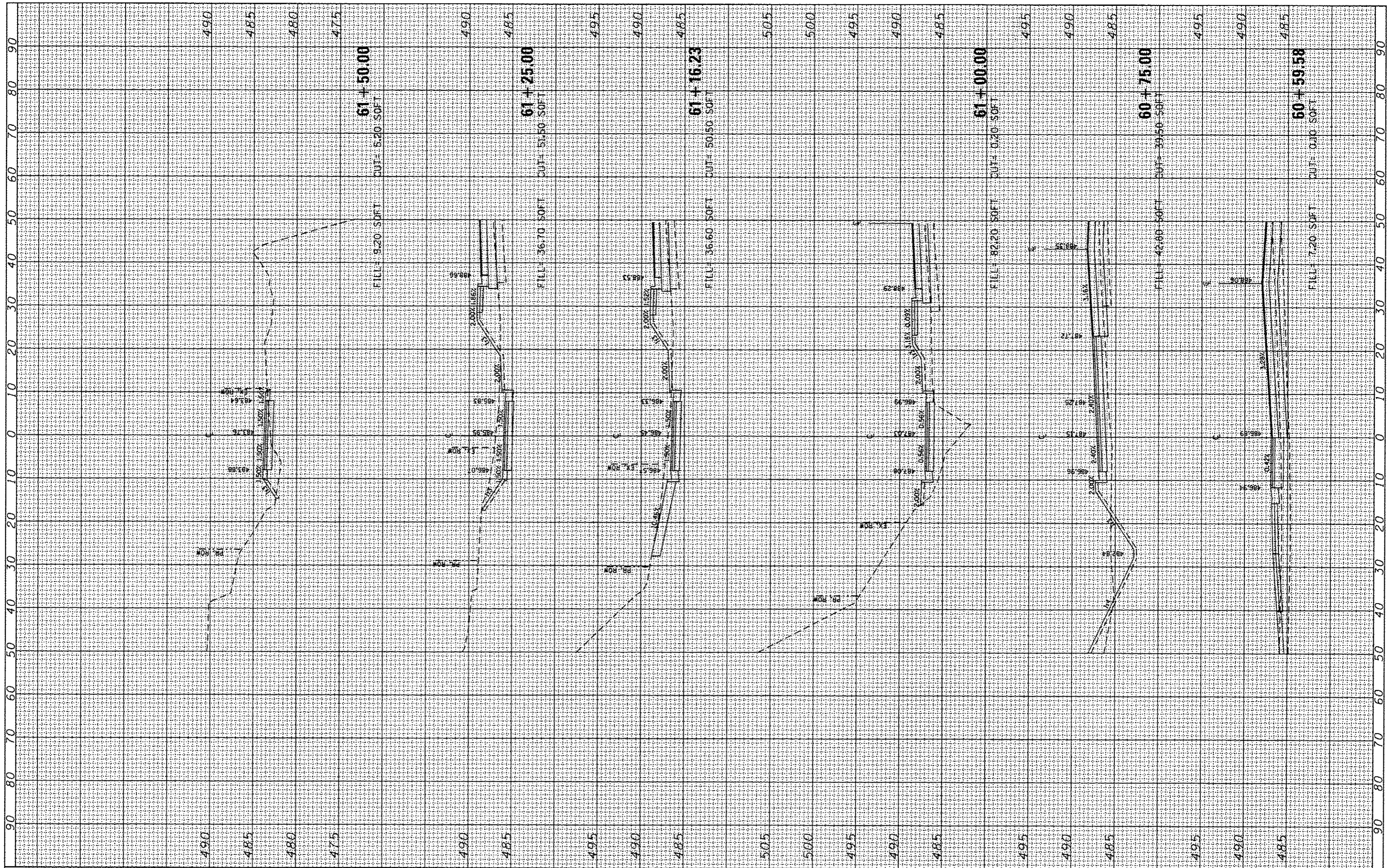
SCALE: 1" = 5'	
SHEET	OF SHEETS
STA. 50+00.00 TO STA. 50+01.97	

**CROSS SECTIONS
POTTSTOWN ROAD (TR 173)**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	105
CONTRACT NO. 89643			ILLINOIS FED. AID PROJECT	

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

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



CMT
CRAWFORD, MURPHY & TILLY, INC.
CONSULTING ENGINEERS
License No. 184-022613

USER NAME	Emily Munday		
DESIGNED	EMM	REVISED	-
DRAWN	EMM	REVISED	-
CHECKED	EJH	REVISED	-
DATE	OCTOBER 2013	REVISED	-

DESIGNED	EMM	REVISED	-
DRAWN	EMM	REVISED	-
CHECKED	EJH	REVISED	-
DATE	OCTOBER 2013	REVISED	-

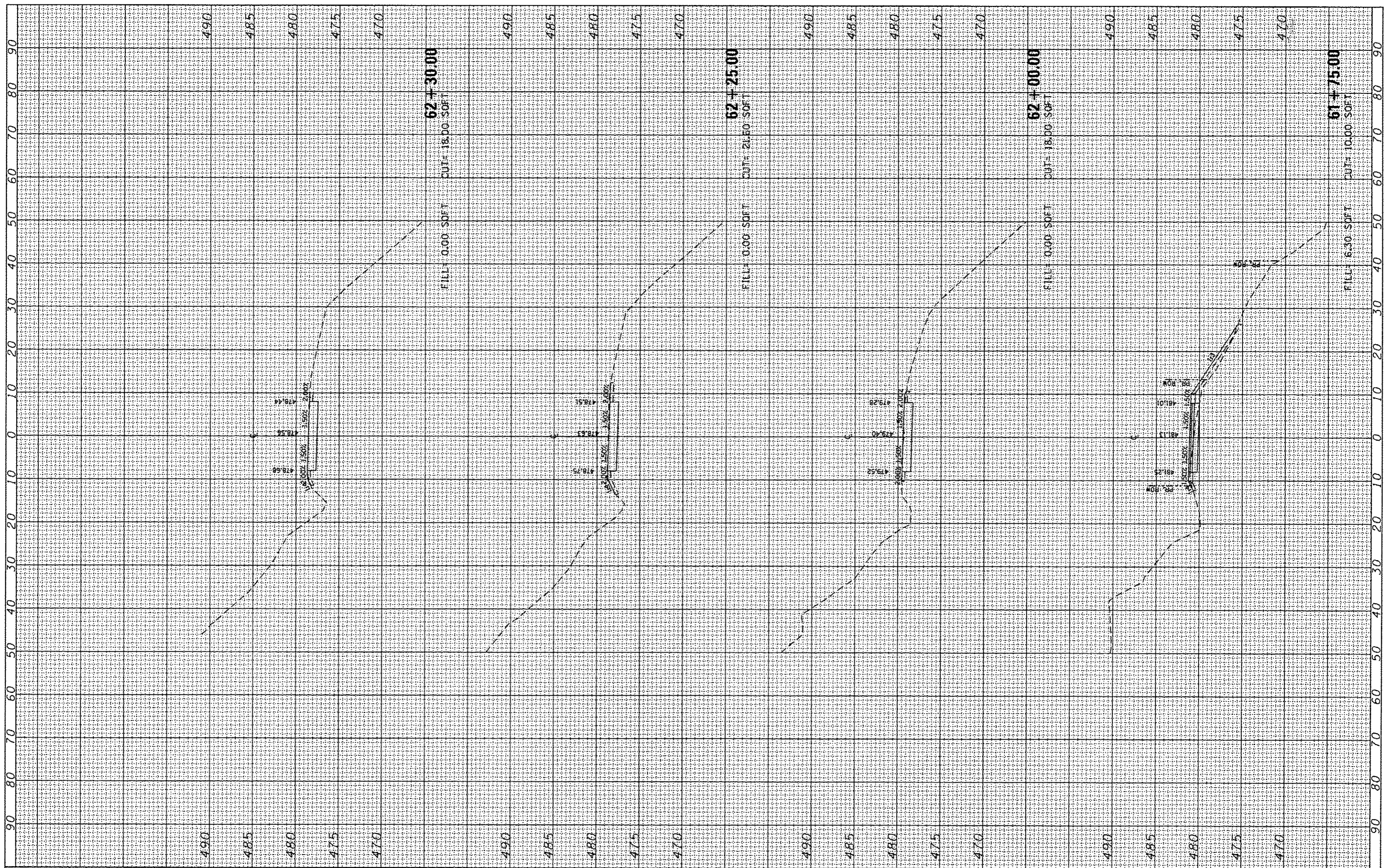
CITY OF PEORIA
DEPARTMENT OF PUBLIC WORKS

CROSS SECTIONS	
TR 264	
SCALE: 1" = 5'	SHEET OF SHEETS
STA. 60+59.58 TO STA. 61+50.00	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	189	188
CONTRACT NO. 89643			ILLINOIS FED. AID PROJECT	

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

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



CMT
CRAWFORD, MURPHY & TILLY, INC.
CONSULTING ENGINEERS
License No. 184-002913

USER NAME	Emly Munday	
DESIGNED	- EMM	REVISED -
DRAWN	- EMM	REVISED -
CHECKED	- EJM	REVISED -
DATE	- OCTOBER 2013	REVISED -

DESIGNED	-	REVISED	-
DRAWN	-	REVISED	-
CHECKED	-	REVISED	-
DATE	-	REVISED	-

CITY OF PEORIA
DEPARTMENT OF PUBLIC WORKS

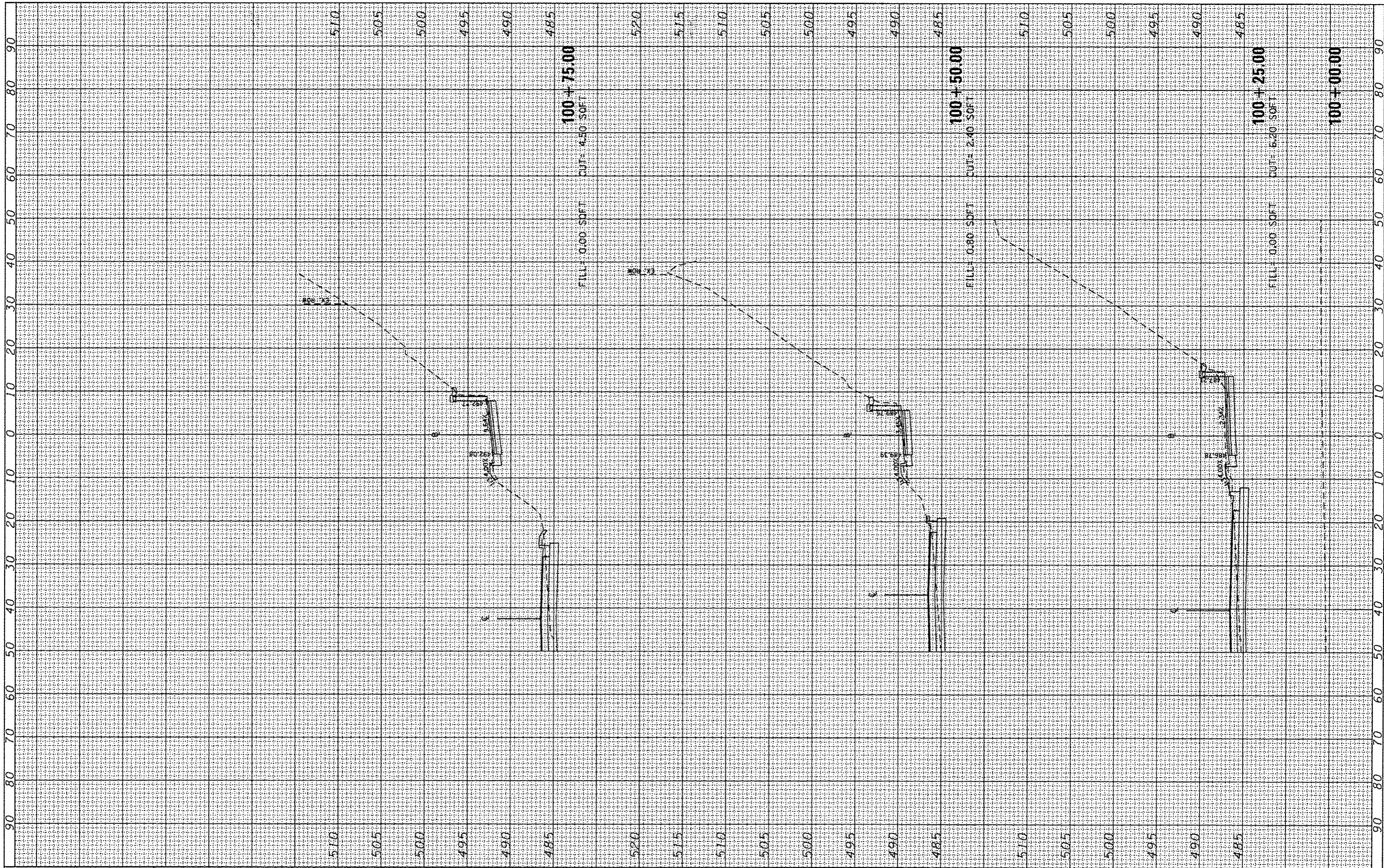
SCALE: 1" = 5'		SHEET	OF	SHEETS	STA. 61+75.00	TO STA. 62+30.00
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CROSS SECTIONS
TR 264

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	189	187
CONTRACT NO. 89643			ILLINOIS FED. AID PROJECT	

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

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



USER NAME	Emily Munday
DESIGNED	- EMM
DRAWN	- EMM
CHECKED	- EJM
DATE	- OCTOBER 2013
PLLOT SCALE	20.0000' / 1"
PLLOT DATE	10/21/2013

REVISIED	-
REVISIED	-
REVISIED	-
REVISIED	-

**CITY OF PEORIA
DEPARTMENT OF PUBLIC WORKS**

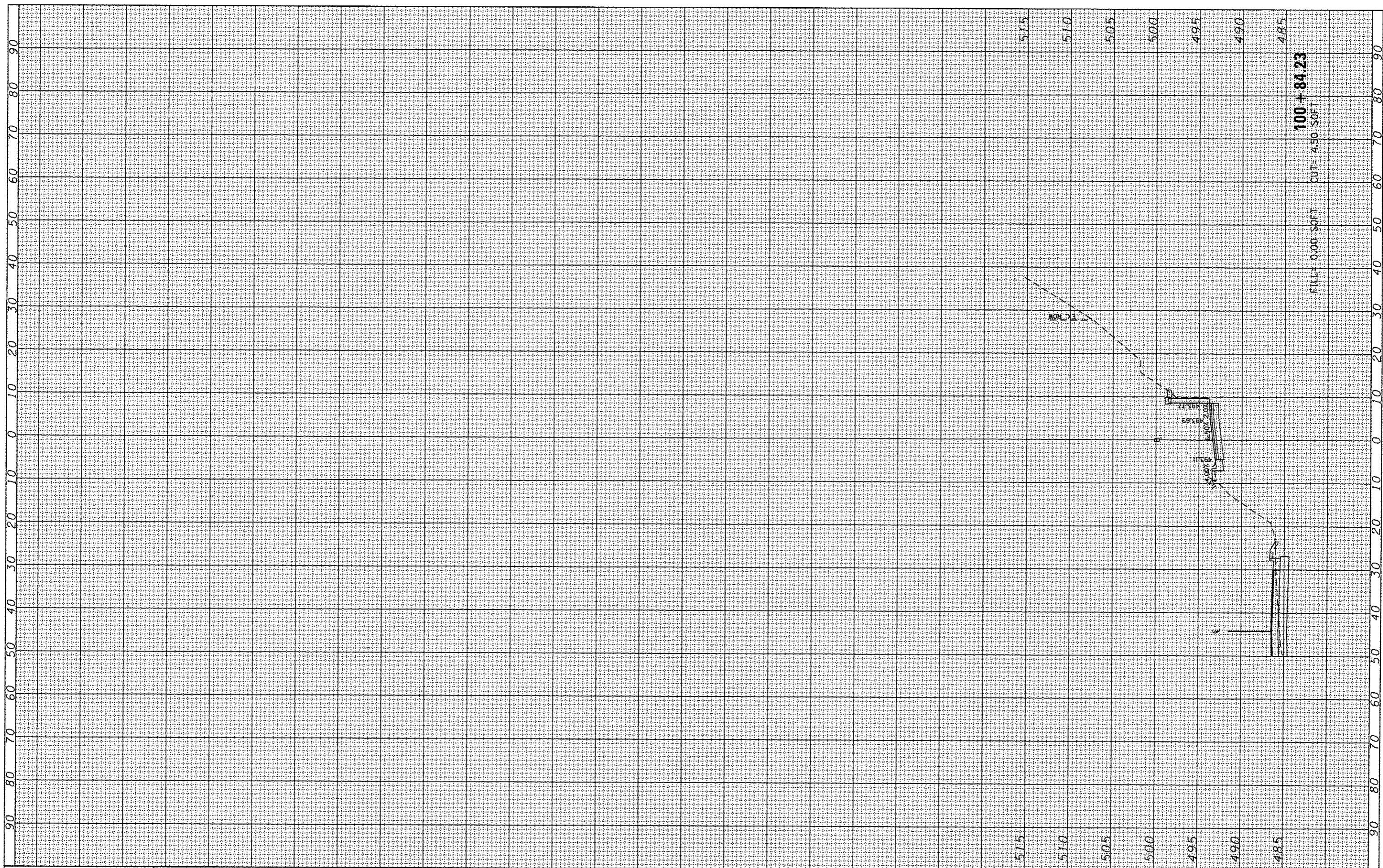
**CROSS SECTIONS
SOUTH DRIVEWAY**

SCALE: 1" = 5' SHEET OF SHEETS STA. 100+00.00 TO STA. 100+75.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-0R	PEORIA	109	108
			CONTRACT NO. 89643	
ILLINOIS FED. AID PROJECT				

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

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



USER NAME * Emily Munday
 PLOT SCALE * 28.8000' / 1" = 100'
 PLOT DATE * 10/21/2013

DESIGNED - EMM
 DRAWN - EMM
 CHECKED - EJM
 DATE - OCTOBER 2013

REVISED -
 REVISED -
 REVISED -
 REVISED -

**CITY OF PEORIA
 DEPARTMENT OF PUBLIC WORKS**

SCALE: 1" = 5' SHEET OF SHEETS STA. 100+84.23 TO STA. 100+84.23

**CROSS SECTIONS
 SOUTH DRIVEWAY**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6576	11-00009-02-BR	PEORIA	109	109
CONTRACT NO. 89643			ILLINOIS FED. AID PROJECT	