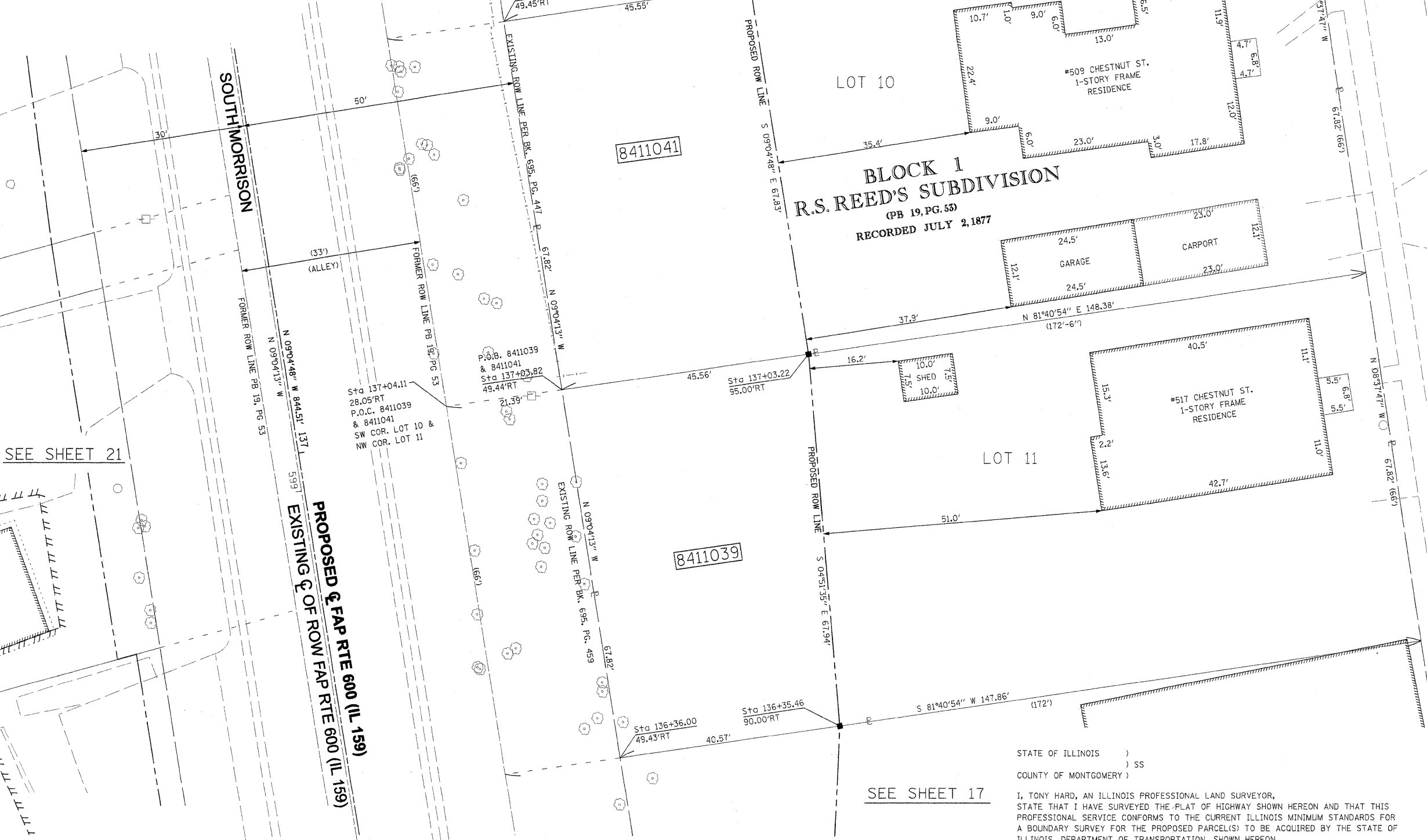


PART OF THE SW 1/4 OF SECTION 34, T3N, R8W, OF THE 3RD PM, MADISON COUNTY, ILLINOIS

SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
137+03.82	49.44' RT	727,744.4345	349,375.0148
137+03.22	95.00' RT	727,751.0260	349,420.0968
136+35.46	90.00' RT	727,683.3275	349,425.8527
136+36.00	49.43' RT	727,677.4577	349,385.7072
137+71.65	49.45' RT	727,811.4112	349,364.3224
137+71.04	95.00' RT	727,818.0011	349,409.3931
134+84.11	PT	727,519.6675	349,360.8661
143+28.62	PC	728,353.5933	349,227.5911

SEE SHEET 46 FOR CONTROL POINTS WITH CROSSIES
 (a) - SET DRILL HOLE WITH MAG NAIL
 (b) - SET MAG NAIL OR LANDSCAPE NAIL



SPACE RESERVED FOR RECORDING OFFICER

SEE SHEET 21

SEE SHEET 23

SEE SHEET 17

* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 2

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	FEE SIMPLE ACQUISITION			EASEMENTS			PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			GROSS ACRES	SQ. FT.	PREVIOUSLY DEDICATED AND/OR USED ACRES	NET ACRES	REMAINDER ACRES	PE = PERMANENT TE = TEMPORARY		
8411039	LYLE E. BUETTNER & CHRISTINE BUETTNER, HUSBAND AND WIFE, AS JOINT TENANTS TITLE REPORT NO. MA-3436.0	0.2306	0.0671	2,921	-	0.0671	2,921	0.1635	-	13-2-21-34-13-302-007
8411041	JASON M. GERSTENECKER & GRETCHEN E. GERSTENECKER, AS JOINT TENANTS TITLE REPORT NO. MA-3437.0	0.2314	0.0709	3,090	-	0.0709	3,090	0.1605	-	13-2-21-34-13-302-008

STATE OF ILLINOIS)
) SS
 COUNTY OF MONTGOMERY)
 I, TONY HARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED October 5, 2009
 Tony Hard
 TONY HARD, P.L.S. NO. 2953



McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 138 East Wood Street
 Hillsboro, IL 62049
 Phone: 217.532.9233
 Fax: 217.532.6300
 PROFESSIONAL DESIGN NO. 184-002754

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PLAT OF HIGHWAYS
 FAP ROUTE 600 (IL 159)
 SECTION 60-(30,31,128)-1
 MADISON COUNTY
 JOB NO. R-98-011-04
 STATION 136+25 TO STATION 137+75

SCALE: 1" = 10'
 SHEET 20 OF 46

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
600	60-(30,31,128)-1	MADISON	344 201

COMPLETION DATE OF FIELD WORK PERFORMED
 LAND SURVEY: 10-11-05 OW STAKING: 09-17-09 CONTRACT NO. 76830
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

PART OF THE SW 14 OF SECTION 34, T3N, R8W, OF THE 3RD PM, MADISON COUNTY, ILLINOIS

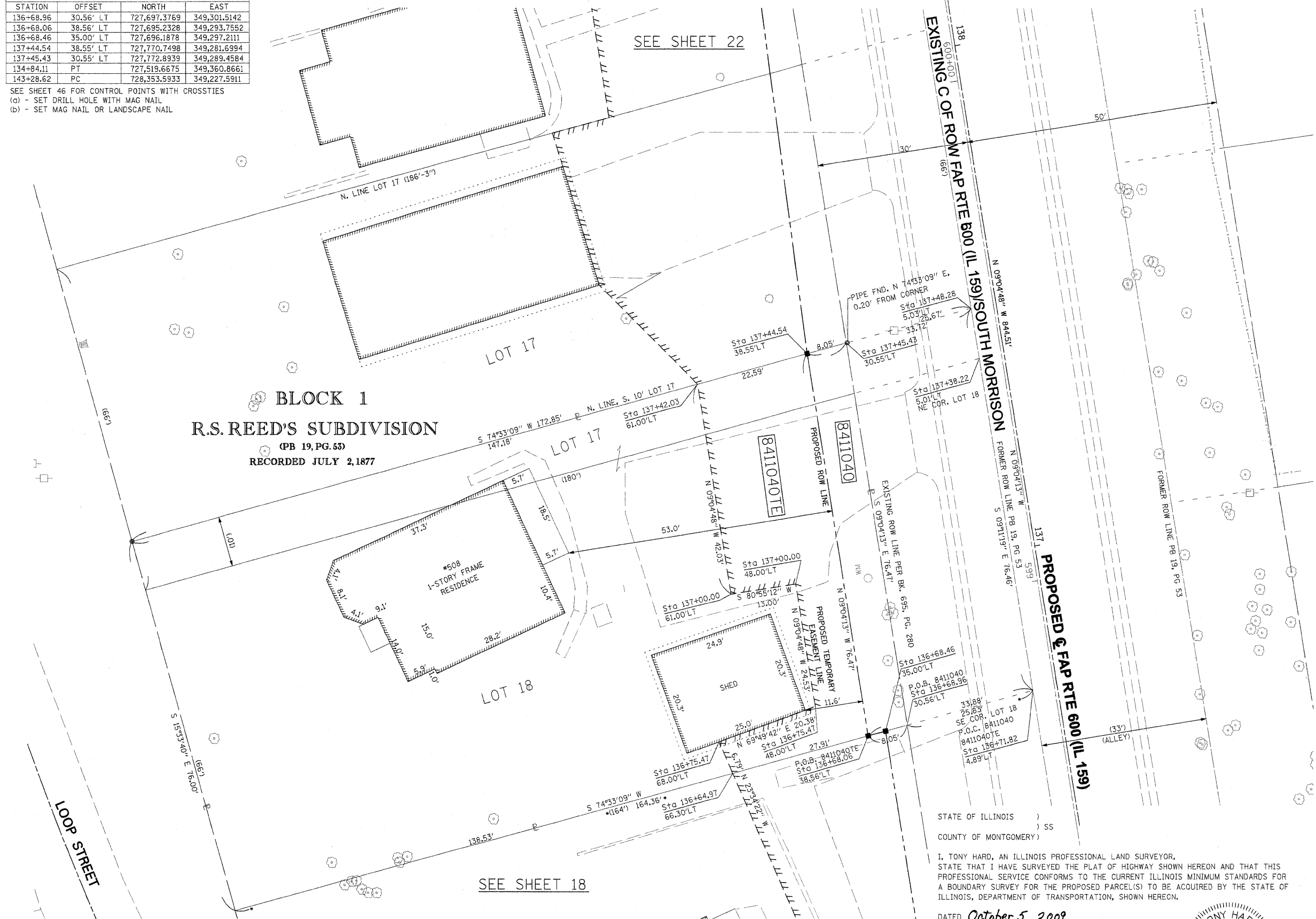
SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
136+68.96	30.56' LT	727,697.3769	349,301.5142
136+68.06	38.56' LT	727,695.2328	349,293.7552
136+68.46	35.00' LT	727,696.1878	349,297.2111
137+44.54	38.55' LT	727,770.7498	349,281.6994
137+45.43	30.55' LT	727,772.8939	349,289.4584
134+84.11	PT	727,519.6675	349,360.8661
143+28.62	PC	728,353.5933	349,227.5911

SEE SHEET 46 FOR CONTROL POINTS WITH CROSSTIES
 (a) - SET DRILL HOLE WITH MAG NAIL
 (b) - SET MAG NAIL OR LANDSCAPE NAIL



SPACE RESERVED FOR RECORDING OFFICER



* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 2

STATE OF ILLINOIS)
 COUNTY OF MONTGOMERY)

I, TONY HARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED October 5, 2009
 Tony Hard
 TONY HARD, P.L.S. NO. 2953



(License Expires: 11/30/10)

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	FEE SIMPLE ACQUISITION				REMAINDER ACRES	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY	
			GROSS ACRES	PREVIOUSLY DEDICATED ACRES	NET ACRES	ACRES		PE = PERMANENT ACRES	TE = TEMPORARY ACRES			EASEMENT PURPOSE
8411040	DAVID CASTELLI & ALICE CASTELLI, HIS WIFE, AS JOINT TENANTS TITLE REPORT NO. MA-3444.0	0.2492	0.0140	612	-	0.0140	612	0.2352	TE 0.0327	1,424	TE GRADING & ENTRANCE CONSTRUCTION	13-2-21-34-301-003

McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 138 East Wood Street
 Hillsboro, IL 62049
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ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
 FAP ROUTE 600 (IL 159)
 SECTION 60-(30,31,128)-1
 MADISON COUNTY
 JOB NO. R-98-011-04
 STATION 136+50 TO STATION 137+50

SCALE: 1" = 10'

SHEET 21 OF 46

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
 1102 EASTPORT PLAZA DRIVE
 COLLINSVILLE, ILLINOIS 62234-6198

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-1	MADISON	399	202

COMPLETION DATE OF FIELD WORK PERFORMED
 LAND SURVEY: 10-11-05 ROW STAKING: 09-17-09 CONTRACT NO. 76830

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

PART OF THE SW & NW 14 OF SECTION 34, T3N, R8W, OF THE 3RD PM, MADISON COUNTY, ILLINOIS

SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
137+45.43	30.55' LT	727,772.8939	349,289.4584
137+44.54	38.55' LT	727,770.7498	349,281.6994
138+66.64	35.27' LT	727,891.8393	349,265.6646
138+67.15	30.53' LT	727,893.0967	349,270.2688
134+84.11	PT	727,519.6675	349,360.8661
143+28.62	PC	728,353.5933	349,227.5911

SEE SHEET 46 FOR CONTROL POINTS WITH CROSSTIES
 (a) - SET DRILL HOLE WITH MAG NAIL
 (b) - SET MAG NAIL OR LANDSCAPE NAIL



SPACE RESERVED FOR RECORDING OFFICER

BLOCK 1
R.S. REED'S SUBDIVISION
 (PB 19, PG. 53)
 RECORDED JULY 2, 1877

LOOP STREET WIDTH VARIES

* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 2

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	GROSS		FEE SIMPLE ACQUISITION		NET		REMAINDER ACRES	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			ACRES	SQ. FT.	PREVIOUSLY DEDICATED AND/OR USED ACRES	SQ. FT.	ACRES	SQ. FT.		PE = PERMANENT TE = TEMPORARY ACRES	SQ. FT.		
8411042	WILLIAM O. LAMPRECHT TITLE REPORT NO. MA-3557.0 & MA-3558.0	0.4286	0.0178	776	-	-	0.0178	776	0.4108	TE 0.0828	3,609	13-2-21-34-13-301-001	

STATE OF ILLINOIS)
) SS
 COUNTY OF MONTGOMERY)
 I, TONY HARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR,
 STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS
 PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR
 A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF
 ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.
 DATED October 5, 2009
Tony Hard
 TONY HARD, PLS NO. 2953



McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 138 East Wood Street
 Hillsboro, IL 62049
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 PROFESSIONAL DESIGN No. 184-002754

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
 FAP ROUTE 600 (IL 159)
 SECTION 60-(30,31,128)-1
 MADISON COUNTY
 JOB NO. R-98-011-04
 STATION 137+25 TO STATION 138+75

SCALE: 1" = 10'

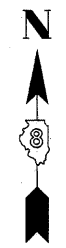
SHEET 22 OF 46

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
 1102 EASTPORT PLAZA DRIVE
 COLLINGSVILLE, ILLINOIS 62234-6198

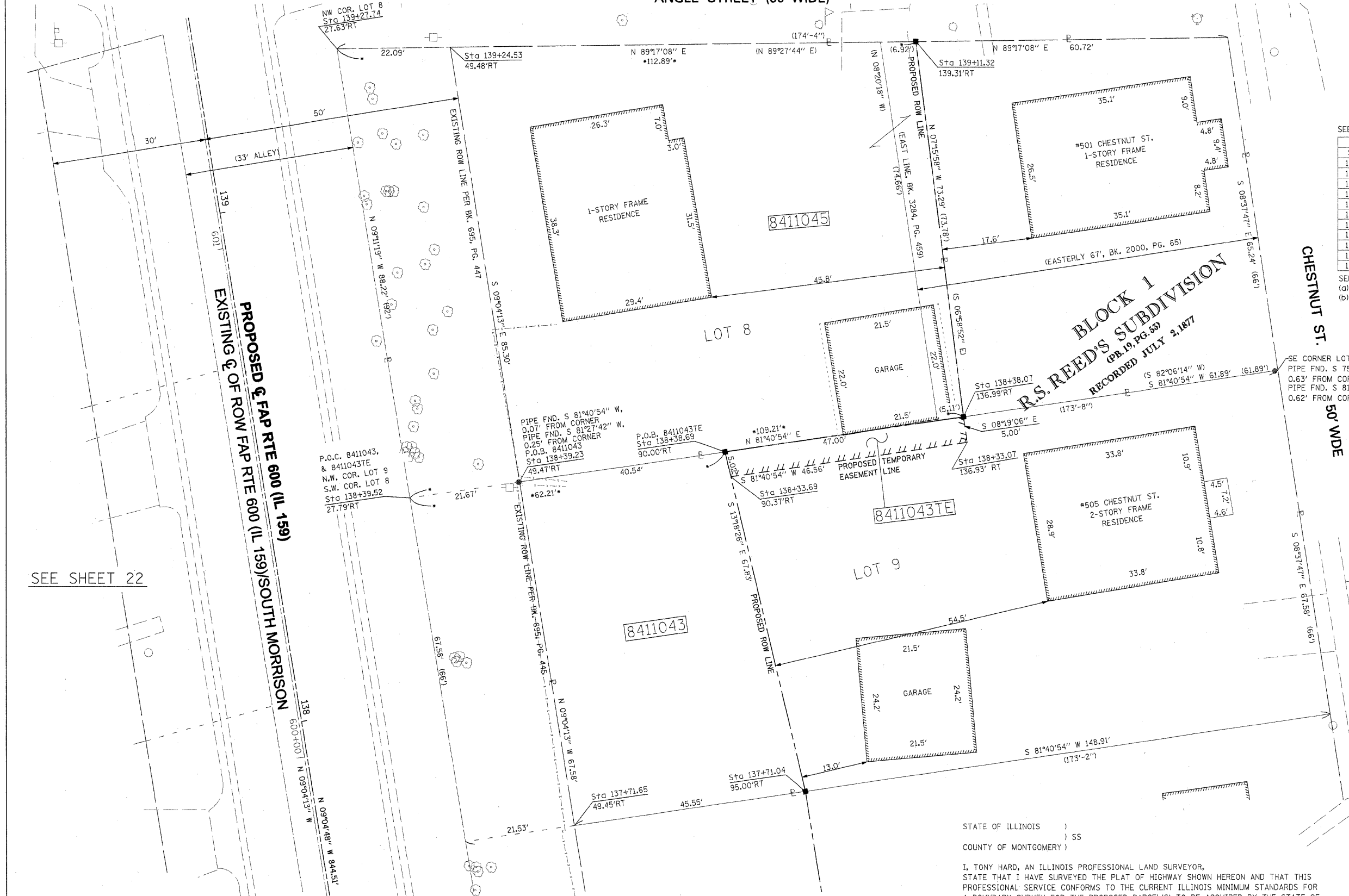
F.A.P. RTE. 600	SECTION 60-(30,31,128)-1	COUNTY MADISON	TOTAL SHEETS 399	SHEET NO. 203
COMPLETION DATE OF FIELD WORK PERFORMED			CONTRACT NO. 76830	
LAND SURVEY: 10-11-05	ROW STAKING: 09-17-09	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

SEE SHEET 25

ANGLE STREET (50' WIDE)



SPACE RESERVED FOR RECORDING OFFICER



SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

STATION	OFFSET	NORTH	EAST
138+39.23	49.47' RT	727,878.1483	349,353.6683
138+38.69	90.00' RT	727,884.0131	349,393.7798
137+71.65	49.45' RT	727,811.4112	349,364.3224
137+71.04	95.00' RT	727,818.0011	349,409.3931
138+39.52	27.79' RT	727,875.0126	349,332.2221
138+38.07	136+99' RT	727,890.8122	349,440.2821
139+11.32	139.31' RT	727,963.5101	349,431.0130
139+27.74	27.63' RT	727,962.1024	349,318.1343
134+84.11	PT	727,519.6675	349,360.8661
143+28.62	PC	728,353.5933	349,227.5911
139+24.53	49.48' RT	727,962.3778	349,340.2216

SEE SHEET 46 FOR CONTROL POINTS WITH CROSSIES
 (a) - SET DRILL HOLE WITH MAG NAIL
 (b) - SET MAG NAIL OR LANDSCAPE NAIL

SEE SHEET 22

SEE SHEET 20

McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 138 East Wood Street
 Hillsboro, IL 62049
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ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
 FAP ROUTE 600 (IL 159)
 SECTION 60-(30,31,128)-1
 MADISON COUNTY
 JOB NO. R-98-011-04
 STATION 137+50 TO STATION 139+25

SCALE: 1" = 10'

SHEET 23 OF 46

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
 1102 EASTPORT PLAZA DRIVE
 COLLINSVILLE, ILLINOIS 62234-6198

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-1	MADISON	399	204

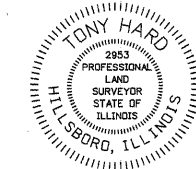
COMPLETION DATE OF FIELD WORK PERFORMED
 LAND SURVEY: 10-11-05 ROW STAKING: 09-17-09 CONTRACT NO. 76830

FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT

STATE OF ILLINOIS)
) SS
 COUNTY OF MONTGOMERY)

I, TONY HARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED October 5, 2009
Tony Hard
 TONY HARD, PLS NO. 2953



(License Expires: 11/30/10)

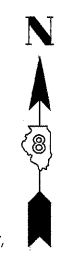
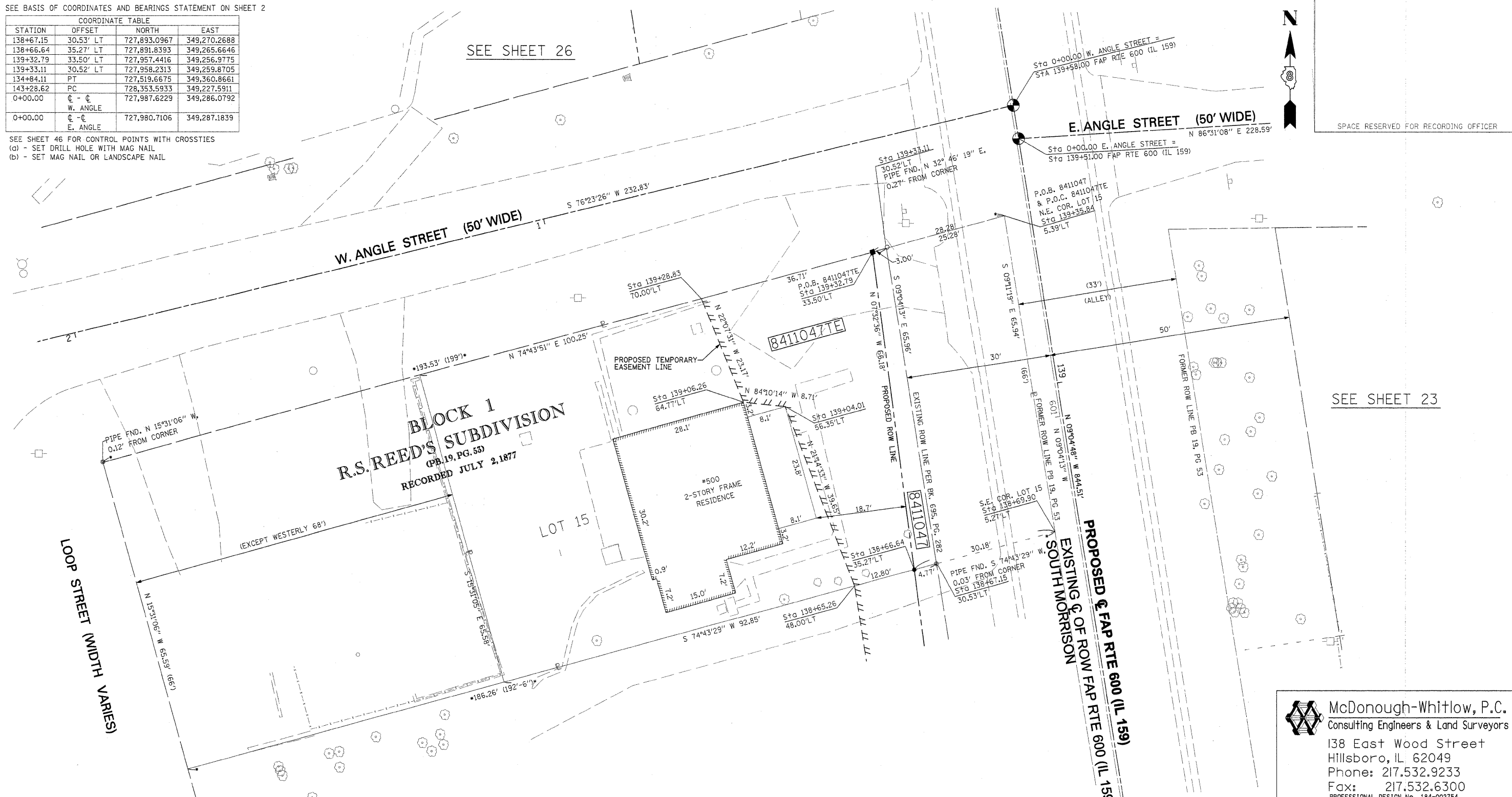
PARCEL NO.	OWNER	TOTAL HOLDING ACRES	FEE SIMPLE ACQUISITION						REMAINDER ACRES	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			GROSS		PREVIOUSLY DEDICATED AND/OR USED		NET			PE = PERMANENT TE = TEMPORARY	EASEMENT PURPOSE		
			ACRES	SQ. FT.	ACRES	SQ. FT.	ACRES	SQ. FT.					
8411043	KIMBERLEE OWEN, A SINGLE PERSON TITLE REPORT NO. MA-3438.0	0.2314	0.0668	2,909		0.0668	2,909	0.1646	TE 0.0054	234	BUILDING REMOVAL	13-2-21-34-13-302-009	
8411045	MICHAEL JOHNS AND SARA BAXTER, HUSBAND AND WIFE, AS JOINT TENANTS TITLE REPORT NO. MA-3560.0	0.2049	0.2049	8,926	0.0433	1,888	0.1616	7,038	0			13-2-21-34-09-102-001	

PART OF THE NW 14 OF SECTION 34, T3N, R8W, OF THE 3RD PM, MADISON COUNTY, ILLINOIS

SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
138+67.15	30.53' LT	727,893.0967	349,270.2688
138+66.64	35.27' LT	727,891.8393	349,265.6646
139+32.79	33.50' LT	727,957.4416	349,256.9775
139+33.11	30.52' LT	727,958.2313	349,259.8705
134+84.11	PT	727,519.6675	349,360.8661
143+28.62	PC	728,353.5933	349,227.5911
0+00.00	☉ - ☉	727,987.6229	349,286.0792
0+00.00	☉ - ☉	727,980.7106	349,287.1839

SEE SHEET 46 FOR CONTROL POINTS WITH CROSSIES
 (a) - SET DRILL HOLE WITH MAG NAIL
 (b) - SET MAG NAIL OR LANDSCAPE NAIL



SPACE RESERVED FOR RECORDING OFFICER

LOOP STREET (WIDTH VARIES)

BLOCK 1
R.S. REED'S SUBDIVISION
 (PB. 19, PG. 55)
 RECORDED JULY 2, 1877

SEE SHEET 22

SEE SHEET 23

SEE SHEET 26

* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 2

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	GROSS		FEE SIMPLE ACQUISITION			REMAINDER ACRES	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY	
			ACRES	SQ. FT.	PREVIOUSLY DEDICATED	AND/OR USED	NET ACRES		SQ. FT.	ACRES			SQ. FT.
8411047	ORVILLE L. SOVA & MARIA M. SOVA, HIS WIFE, IN JOINT TENANCY TITLE REPORT NO. MA-3577.0	0.1835	0.0440	1,917	0.0382	1,662	0.0058	255	0.1395	TE 0.0356	1,552	GRADING & ENTRANCE CONSTRUCTION	13-2-21-34-09-101-016

STATE OF ILLINOIS)
) SS
 COUNTY OF MONTGOMERY)
 I, TONY HARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED October 5, 2009
Tony Hard
 TONY HARD, PLS NO. 2953

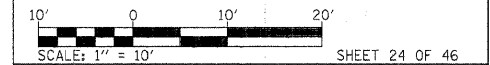


(License Expires: 11/30/10)

COMPLETION DATE OF FIELD WORK PERFORMED	
LAND SURVEY: 10-11-05	ROW STAKING: 09-17-09

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
 FAP ROUTE 600 (IL 159)
 SECTION 60-(30,31,128)-1
 MADISON COUNTY
 JOB NO. R-98-011-04
 STATION 138+50 TO STATION 139+50



ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8 1102 EASTPORT PLAZA DRIVE COLLINSVILLE, ILLINOIS 62234-6198			
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
600	60-(30,31,128)-1	MADISON	399
SHEET NO.		CONTRACT NO.	
205		76830	
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			

PART OF THE NW 14 OF SECTION 34, T3N, R8W, OF THE 3RD PM, MADISON COUNTY, ILLINOIS

SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
139+71.61	73.00' RT	728,012.5786	349,356.0172
140+46.15	65.00' RT	728,084.9215	349,336.3541
141+06.23	65.00' RT	728,144.2483	349,326.8727
141+10.17	39.51' RT	728,144.1183	349,301.0813
134+84.11	PT	727,519.6675	349,360.8661
143+28.62	PC	728,353.5933	349,227.5911
139+76.53	39.49' RT	728,012.1562	349,322.1482
140+50.14	39.50' RT	728,084.8400	349,310.5447

SEE SHEET 46 FOR CONTROL POINTS WITH CROSSTIES
 (a) - SET DRILL HOLE WITH MAG NAIL
 (b) - SET MAG NAIL OR LANDSCAPE NAIL

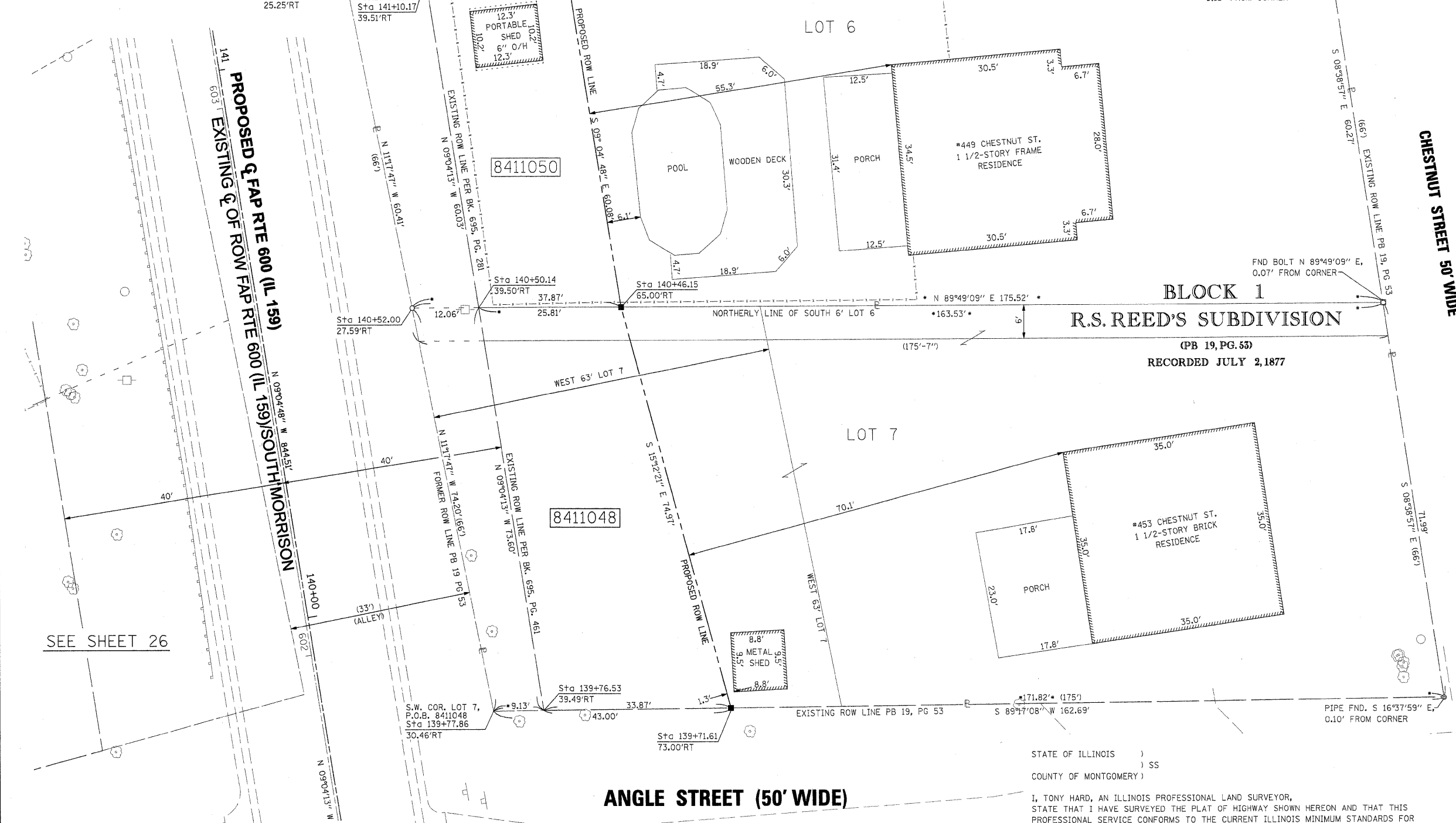
P.O.B. 8411050
 N.W. COR. LOT 6
 Sta 141+12.37
 25.25' RT

P.O.B. 8411050
 Sta 141+10.17
 39.51' RT

SEE SHEET 27



SPACE RESERVED FOR RECORDING OFFICER



SEE SHEET 26

SEE SHEET 23

* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 2

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	GROSS		FEE SIMPLE ACQUISITION PREVIOUSLY DEDICATED AND/OR USED		NET ACRES	REMAINDER ACRES	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			ACRES	SQ. FT.	ACRES	SQ. FT.			ACRES	SQ. FT.		
8411048	VICTOR PACEWIC & ANNA PACEWIC, HIS WIFE, AS JOINT TENANTS TITLE REPORT NO. MA-3559.0	0.2874	0.0675	2,939	0.0177	771	0.0498	2,168	0.2199	-	13-2-21-34-09-102-003	
8411050	MARK J. WRIGLEY & LISA A. WRIGLEY, HUSBAND AND WIFE, AS TENANTS BY THE ENTIRETY TITLE REPORT NO. MA-3561.0	0.2415	0.0532	2,316	0.0180	785	0.0352	1,531	0.1883	-	13-2-21-34-09-102-004	

STATE OF ILLINOIS)
) SS
 COUNTY OF MONTGOMERY)

I, TONY HARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED October 5, 2009
Tony Hard
 TONY HARD, PLS NO. 2953



(License Expires: 11/30/10)

COMPLETION DATE OF FIELD WORK PERFORMED
 LAND SURVEY: 10-11-05 ROW STAKING: 09-17-09

McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 138 East Wood Street
 Hillsboro, IL 62049
 Phone: 217.532.9233
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 PROFESSIONAL DESIGN NO. 184-002754

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
 FAP ROUTE 600 (IL 159)
 SECTION 60-(30,31,128)-1
 MADISON COUNTY
 JOB NO. R-98-011-04
 STATION 139+75 TO STATION 141+25

SCALE: 1" = 10'

SHEET 25 OF 46

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
 1102 EASTPORT PLAZA DRIVE
 COLLINSVILLE, ILLINOIS 62234-6198

F.A.P. RTE. 600	SECTION 60-(30,31,128)-1	COUNTY MADISON	TOTAL SHEETS 399	SHEET NO. 206
CONTRACT NO. 76830				

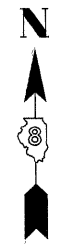
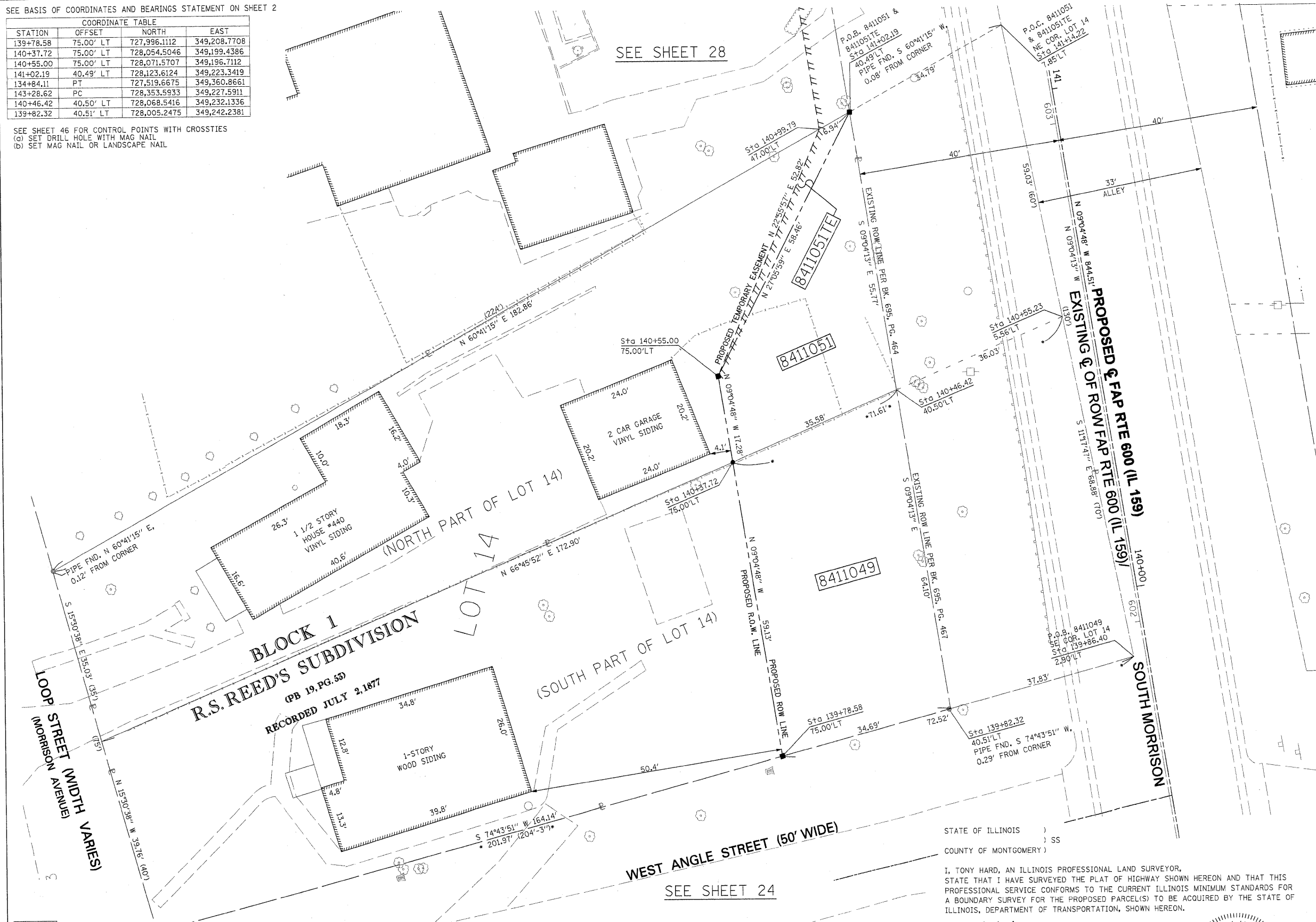
FED. ROAD DIST. NO. [] ILLINOIS FED. AID PROJECT

PART OF THE NW 14 OF SECTION 34, T3N, R8W, OF THE 3RD PM, MADISON COUNTY, ILLINOIS

SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
139+78.58	75.00' LT	727,996.1112	349,208.7708
140+37.72	75.00' LT	728,054.5046	349,199.4386
140+55.00	75.00' LT	728,071.5707	349,196.7112
141+02.19	40.49' LT	728,123.6124	349,223.3419
134+84.11	PT	727,519.6675	349,360.8661
143+28.62	PC	728,353.5933	349,227.5911
140+46.42	40.50' LT	728,068.5416	349,232.1336
139+82.32	40.51' LT	728,005.2475	349,242.2381

SEE SHEET 46 FOR CONTROL POINTS WITH CROSSIES
 (a) SET DRILL HOLE WITH MAG NAIL
 (b) SET MAG NAIL OR LANDSCAPE NAIL



SPACE RESERVED FOR RECORDING OFFICER

SEE SHEET 25

WEST ANGLE STREET (50' WIDE)
 SEE SHEET 24

STATE OF ILLINOIS)
 COUNTY OF MONTGOMERY) SS

I, TONY HARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED *October 5, 2009*
Tony Hard
 TONY HARD, PLS NO. 2953



McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 138 East Wood Street
 Hillsboro, IL 62049
 Phone: 217.532.9233
 Fax: 217.532.6300
 PROFESSIONAL DESIGN No. 184-002754

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PLAT OF HIGHWAYS
 FAP ROUTE 600 (IL 159)
 SECTION 60-(30,31,128)-1
 MADISON COUNTY
 JOB NO. R-98-011-04
 STATION 139+75 TO STATION 141+25

SCALE: 1" = 10'
 SHEET 26 OF 46

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
 1102 EASTPORT PLAZA DRIVE
 COLLINGSVILLE, ILLINOIS 62234-6198

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-1	MADISON	399	207

CONTRACT NO. 76830

(License Expires: 11/30/10)
 COMPLETION DATE OF FIELD WORK PERFORMED
 LAND SURVEY: 10-11-05 ROW STAKING: 09-17-09

* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 2

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	GROSS		FEE SIMPLE ACQUISITION PREVIOUSLY DEDICATED AND/OR USED		NET		REMAINDER ACRES	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			ACRES	SQ. FT.	ACRES	SQ. FT.	ACRES	SQ. FT.		ACRES	SQ. FT.		
8411049	MATTHEW CONNER & ROGER A. CONNER, AS JOINT TENANTS TITLE REPORT NO. MA-3578.0	0.2538	0.1043	4,544	0.0555	2,419	0.0488	2,125	0.1495			13-2-21-34-09-101-014	
8411051	WALTER W. OGLE TITLE REPORT NO. MA-3579.0	0.1787	0.0289	1,260	0	0	0.0289	1,260	0.1498	TE 0.0026	112	13-2-21-34-09-101-013	

PART OF THE NW 14 OF SECTION 34, T3N, R8W, OF THE 3RD PM, MADISON COUNTY, ILLINOIS

SEE SHEET 29

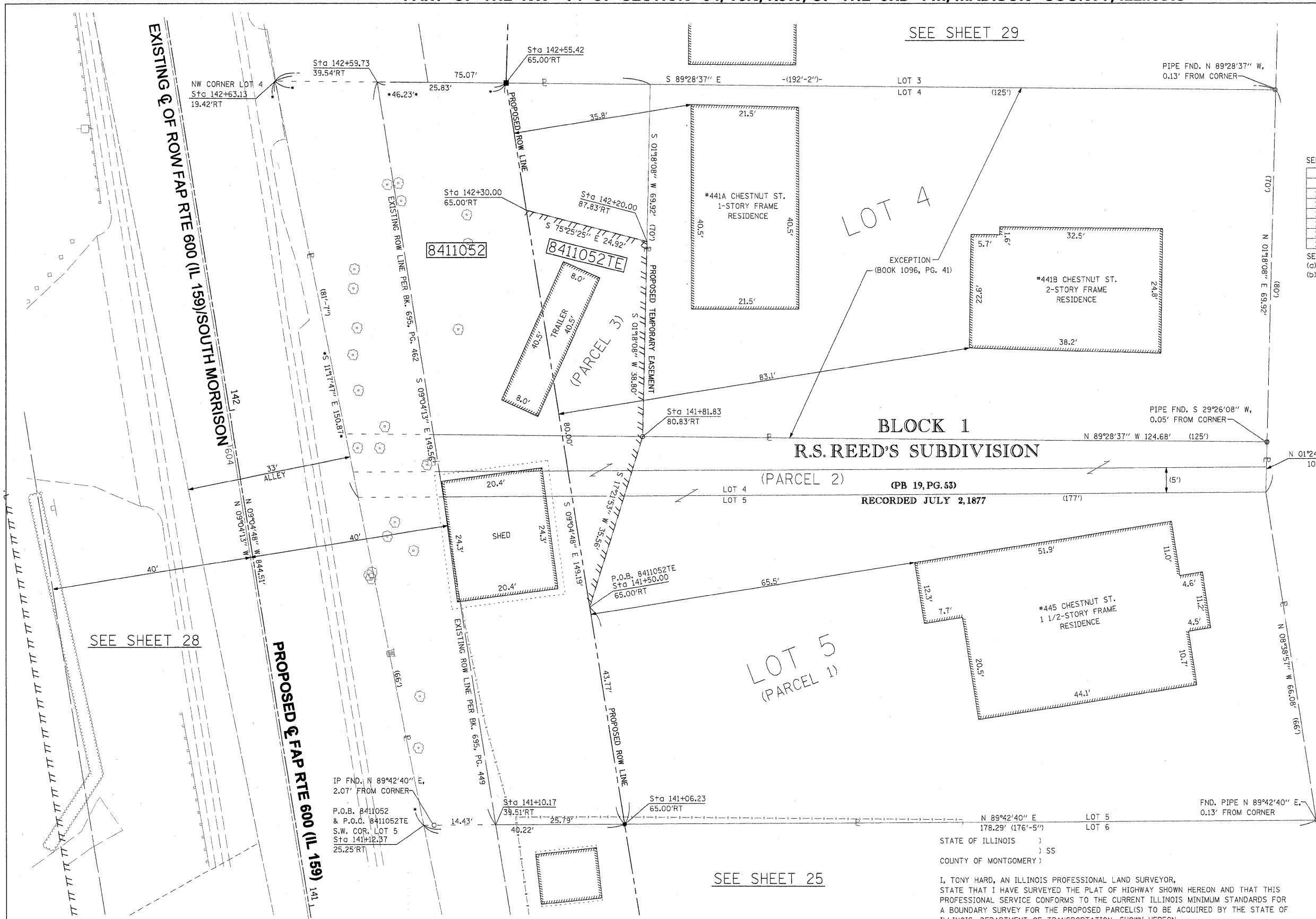


SPACE RESERVED FOR RECORDING OFFICER

SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

STATION	OFFSET	NORTH	EAST
141+10.17	39.51' RT	728,144.1183	349,301.0813
141+06.23	65.00' RT	728,144.2483	349,326.8727
142+55.42	65.00' RT	728,291.5712	349,303.3281
142+59.73	39.54' RT	728,291.8070	349,277.5038
134+84.11	PT	727,519.6675	349,360.8661
143+28.62	PC	728,353.5933	349,227.5911

SEE SHEET 46 FOR CONTROL POINTS WITH CROSSTIES
 (a) - SET DRILL HOLE WITH MAG NAIL
 (b) - SET MAG NAIL OR LANDSCAPE NAIL



SEE SHEET 28

SEE SHEET 25

BLOCK 1
R.S. REED'S SUBDIVISION

(PB 19, PG. 53)
RECORDED JULY 2, 1877

STATE OF ILLINOIS)
) SS
COUNTY OF MONTGOMERY)

I, TONY HARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED October 5, 2009
Tony Hard
TONY HARD, PLS NO. 2953



(License Expires: 11/30/10)

* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 2

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	GROSS		FEE SIMPLE ACQUISITION PREVIOUSLY DEDICATED AND/OR USED		NET		REMAINDER ACRES	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			ACRES	SQ. FT.	ACRES	SQ. FT.	ACRES	SQ. FT.		ACRES	SQ. FT.		
8411052	EDWARD C. PACEWIC & LETHA J. PACEWIC, HIS WIFE, AS JOINT TENANTS TITLE REPORT NO. MA-3562.0	0.4253	0.1464	6,379	0.0591	2,573	0.0873	3,806	0.2789	TE 0.0253	1,104	13-2-21-34-09-102-005	

McDonough-Whitlow, P.C.
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 Phone: 217.532.9233
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 PROFESSIONAL DESIGN NO. 184-002754

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PLAT OF HIGHWAYS
 FAP ROUTE 600 (IL 159)
 SECTION 60-(30,31,128)-1
 MADISON COUNTY
 JOB NO. R-98-011-04
 STATION 141+00 TO STATION 142+75

SCALE: 1" = 10'

SHEET 27 OF 46

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
 1102 EASTPORT PLAZA DRIVE
 COLLINGSVILLE, ILLINOIS 62234-6198

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-1	MADISON	399	208

COMPLETION DATE OF FIELD WORK PERFORMED
 LAND SURVEY: 10-11-05 ROW STAKING: 09-17-09 CONTRACT NO. 76830

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

PART OF THE NW 1/4 OF SECTION 34, T3N, R8W, OF THE 3RD PM, MADISON COUNTY, ILLINOIS

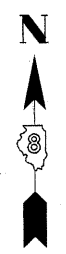
CURVE TABLE									
CURVE	PI STA.	Δ	TANGENT	LENGTH	RADIUS	CHORD	CHORD BEARING	PC STA.	PT STA.
159ULT-4	144+22.16	13°48'00" (LT)	93.54'	186.18'	773.00'	185.73'	N 15°58'48" W	143+28.62	145+14.80
C3	605+28.33	13°46'45" (LT)	98.84'	196.72'	818.50'	196.25'	N 15°57'21" W	605+28.33	607+25.05

SEE SHEET 30

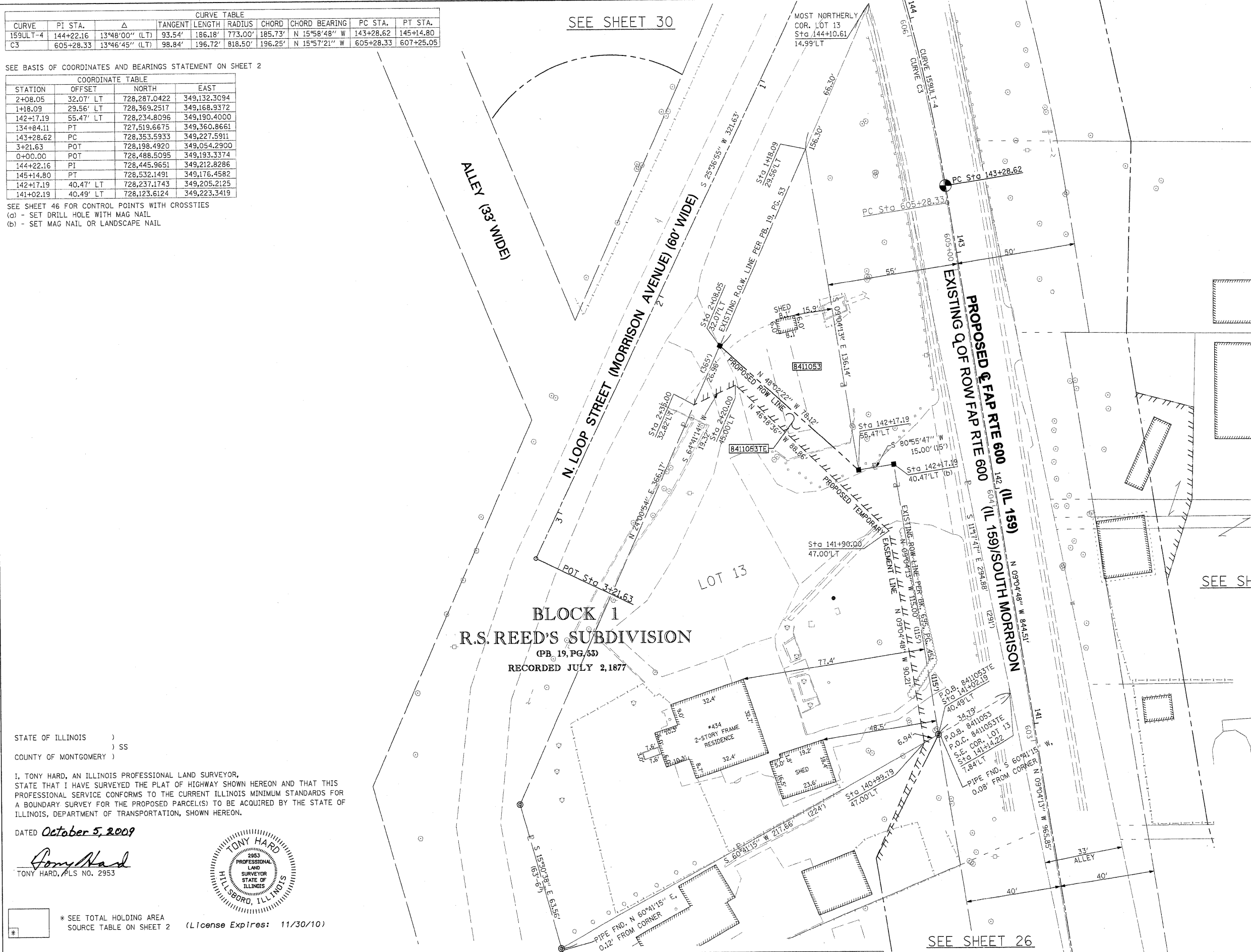
SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

COORDINATE TABLE				
STATION	OFFSET	NORTH	EAST	
2+08.05	32.07' LT	728,287.0422	349,132.3094	
1+18.09	29.56' LT	728,369.2517	349,168.9372	
142+17.19	55.47' LT	728,234.8096	349,190.4000	
134+84.11	PT	727,519.6675	349,360.8661	
143+28.62	PC	728,353.5933	349,227.5911	
3+21.63	POT	728,198.4920	349,054.2900	
0+00.00	POT	728,488.5095	349,193.3374	
144+22.16	PI	728,445.9651	349,212.8286	
145+14.80	PT	728,532.1491	349,176.4582	
142+17.19	40.47' LT	728,237.1743	349,205.2125	
141+02.19	40.49' LT	728,123.6124	349,223.3419	

SEE SHEET 46 FOR CONTROL POINTS WITH CROSSTIES
 (a) - SET DRILL HOLE WITH MAG NAIL
 (b) - SET MAG NAIL OR LANDSCAPE NAIL



SPACE RESERVED FOR RECORDING OFFICER



SEE SHEET 27

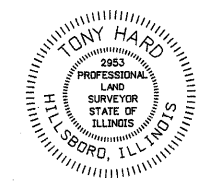
SEE SHEET 26

STATE OF ILLINOIS)
) SS
 COUNTY OF MONTGOMERY)

I, TONY HARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED October 5, 2009

Tony Hard
 TONY HARD, PLS NO. 2953



* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 2 (License Expires: 11/30/10)

McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 138 East Wood Street
 Hillsboro, IL 62049
 Phone: 217.532.9233
 Fax: 217.532.6300
 PROFESSIONAL DESIGN No. 184-002754

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PLAT OF HIGHWAYS
 FAP ROUTE 600 (IL 159)
 SECTION 60-(30,31,128)-1
 MADISON COUNTY
 JOB NO. R-98-011-04
 STATION 140+75 TO STATION 144+25

SCALE: 1" = 20'
 SHEET 28 OF 46

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
 1102 EASTPORT PLAZA DRIVE
 COLLINSVILLE, ILLINOIS 62234-6198

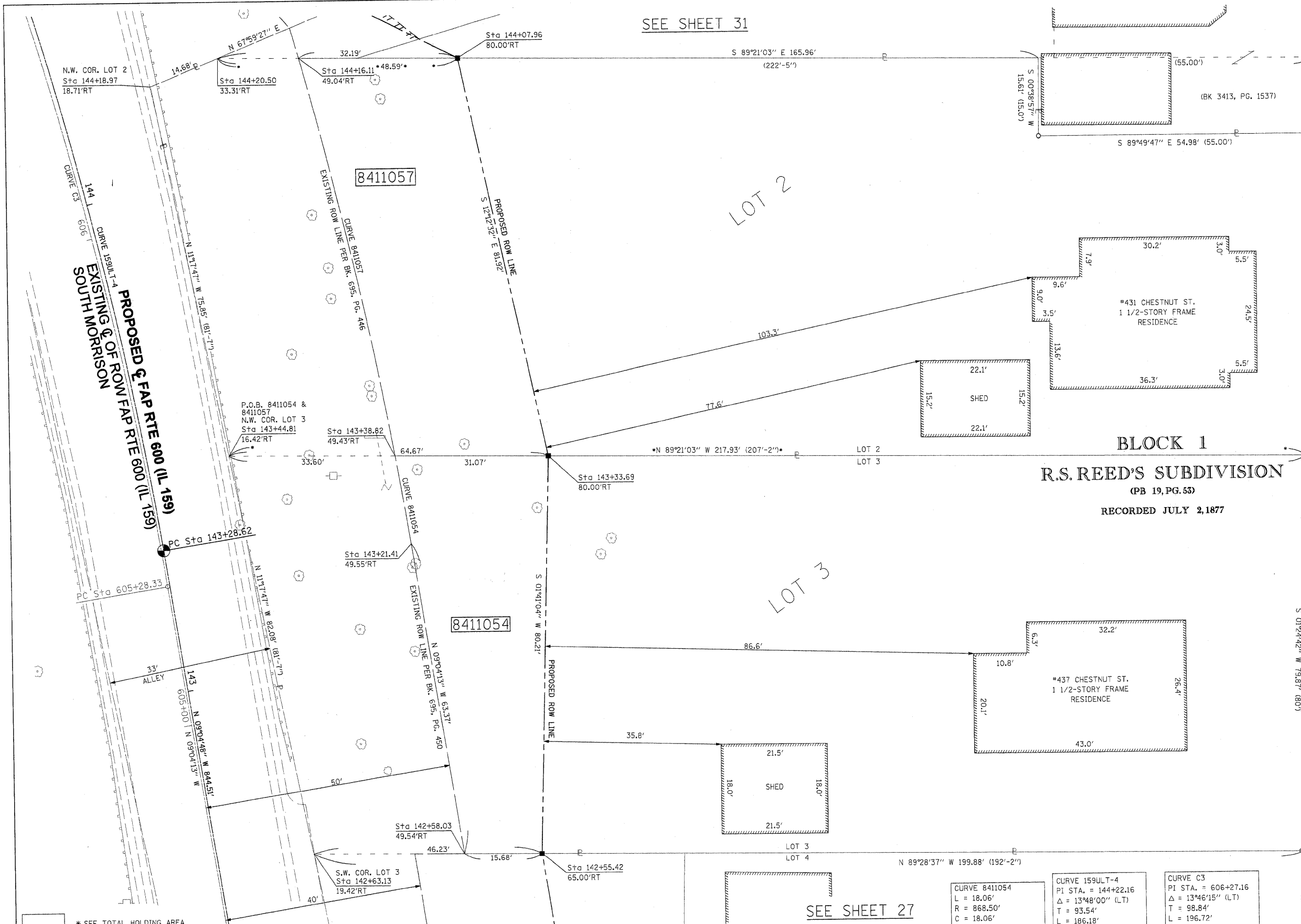
PARCEL NO.	OWNER	TOTAL HOLDING ACRES	GROSS		FEE SIMPLE ACQUISITION PREVIOUSLY DEDICATED AND/OR USED		NET		REMAINDER	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			ACRES	SQ. FT.	ACRES	SQ. FT.	ACRES	SQ. FT.		ACRES	SQ. FT.		
8411053	ALAN CARTER TITLE REPORT NO. MA-3580.0	0.8706	0.3063	13,342	0.2295	9,998	0.0768	3,344	0.5643	TE 0.0408	1,779	13-2-21-34-09-101-012	GRADING & ENTRANCE CONSTRUCTION

COMPLETION DATE OF FIELD WORK PERFORMED		FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
LAND SURVEY: 10-11-05	ROW STAKING: 09-17-09		

PART OF THE NW 14 OF SECTION 34, T3N, R8W, OF THE 3RD PM, MADISON COUNTY, ILLINOIS

SEE SHEET 31

SEE SHEET 27



SPACE RESERVED FOR RECORDING OFFICER
SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
142+58.03	49.54' RT	728,291.7144	349,287.6452
142+55.42	65.00' RT	728,291.5712	349,303.3281
143+33.69	80.00' RT	728,371.7494	349,305.6860
143+38.82	49.43' RT	728,372.1013	349,274.6217
143+21.41	49.55' RT	728,354.2933	349,277.6548
144+07.96	80.00' RT	728,451.8186	349,288.3615
144+16.11	49.04' RT	728,452.1833	349,256.1718
134+84.11	PT	727,519.6675	349,360.8661
143+28.62	PC	728,353.5933	349,227.5911

SEE SHEET 46 FOR CONTROL POINTS WITH CROSSIES
(a) - SET DRILL HOLE WITH MAG NAIL
(b) - SET MAG NAIL OR LANDSCAPE NAIL

CHESTNUT STREET (40' WIDE)

BLOCK 1
R.S. REED'S SUBDIVISION
(PB 19, PG. 53)
RECORDED JULY 2, 1877

STATE OF ILLINOIS)
COUNTY OF MONTGOMERY) SS
I, TONY HARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED October 5, 2009
Tony Hard
TONY HARD, PLS NO. 2953
TONY HARD
2953
PROFESSIONAL
LAND
SURVEYOR
STATE OF
ILLINOIS
HILLSBORO, ILLINOIS
(License Expires: 11/30/10)

McDonough-Whitlow, P.C.
Consulting Engineers & Land Surveyors
138 East Wood Street
Hillsboro, IL 62049
Phone: 217.532.9233
Fax: 217.532.6300
PROFESSIONAL DESIGN No. 184-002754

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAP ROUTE 600 (IL 159)
SECTION 60-(30,31,128)-1
MADISON COUNTY
JOB NO. R-98-011-04
STATION 142+50 TO STATION 144+25

SCALE: 1" = 10'			
SHEET 29 OF 46			
ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8 1102 EASTPORT PLAZA DRIVE COLLINGSVILLE, ILLINOIS 62234-6198			
F.A.P. RTE. 600	SECTION 60-(30,31,128)-1	COUNTY MADISON	TOTAL SHEETS NO. 399 210
COMPLETION DATE OF FIELD WORK PERFORMED LAND SURVEY: 10-11-05 ROW STAKING: 09-17-09			CONTRACT NO. 76830
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			

<p>CURVE 8411054 L = 18.06' R = 868.50' C = 18.06' CB = N 09°39'58" W</p>	<p>CURVE 159ULT-4 PI STA. = 144+22.16 Δ = 13°46'15" (LT) T = 93.54' L = 186.18' R = 773.00' C = 185.73' CB = N 15°58'48" W PC STA. = 143+28.62 PT STA. = 145+14.80</p>	<p>CURVE C3 PI STA. = 606+27.16 Δ = 13°46'15" (LT) T = 98.84' L = 196.72' R = 818.50' C = 196.25' CB = N 15°57'21" W PC STA. = 605+28.33 PT STA. = 607+25.05</p>
<p>CURVE 8411057 L = 82.21' R = 868.50' C = 82.18' CB = N 12°58'26" W</p>		

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	GROSS		FEE SIMPLE ACQUISITION PREVIOUSLY DEDICATED AND/OR USED		NET		REMAINDER ACRES	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			ACRES	SQ. FT.	ACRES	SQ. FT.	ACRES	SQ. FT.		PE = PERMANENT	TE = TEMPORARY		
8411054	SUE BADGER TITLE REPORT NO. MA-3563.0	0.3841	0.1022	4,450	0.0593	2,582	0.0429	1,868	0.2819			13-2-21-34-09-102-007	
8411057	RAYMOND BOZADA TITLE REPORT NO. MA-3564.0	0.3956	0.1164	5,070	0.0596	2,597	0.0568	2,473	0.2792			13-2-21-34-09-102-008	

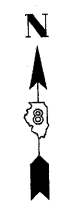
PART OF THE NW 14 OF SECTION 34, T3N, R8W, OF THE 3RD PM, MADISON COUNTY, ILLINOIS

CURVE TABLE									
CURVE	PI STA.	Δ	TANGENT	LENGTH	RADIUS	CHORD	CHORD BEARING	PC STA.	PT STA.
8411056PE				35.11'	735.50'	35.10'	N 21°30'46" W		
8411056PR				32.66'	738.00'	32.66'	N 21°36'45" W		
8411056				91.29'	60.00'	82.74'	N 76°53'38" E		
159ULT-4	144+22.16	13°48'00" (LT)	93.54'	186.18'	773.00'	185.73'	N 15°58'48" W	143+28.62	145+14.80
C3	606+27.16	13°46'15" (LT)	98.84'	196.72'	818.50'	196.25'	N 15°57'21" W	605+28.33	607+25.05

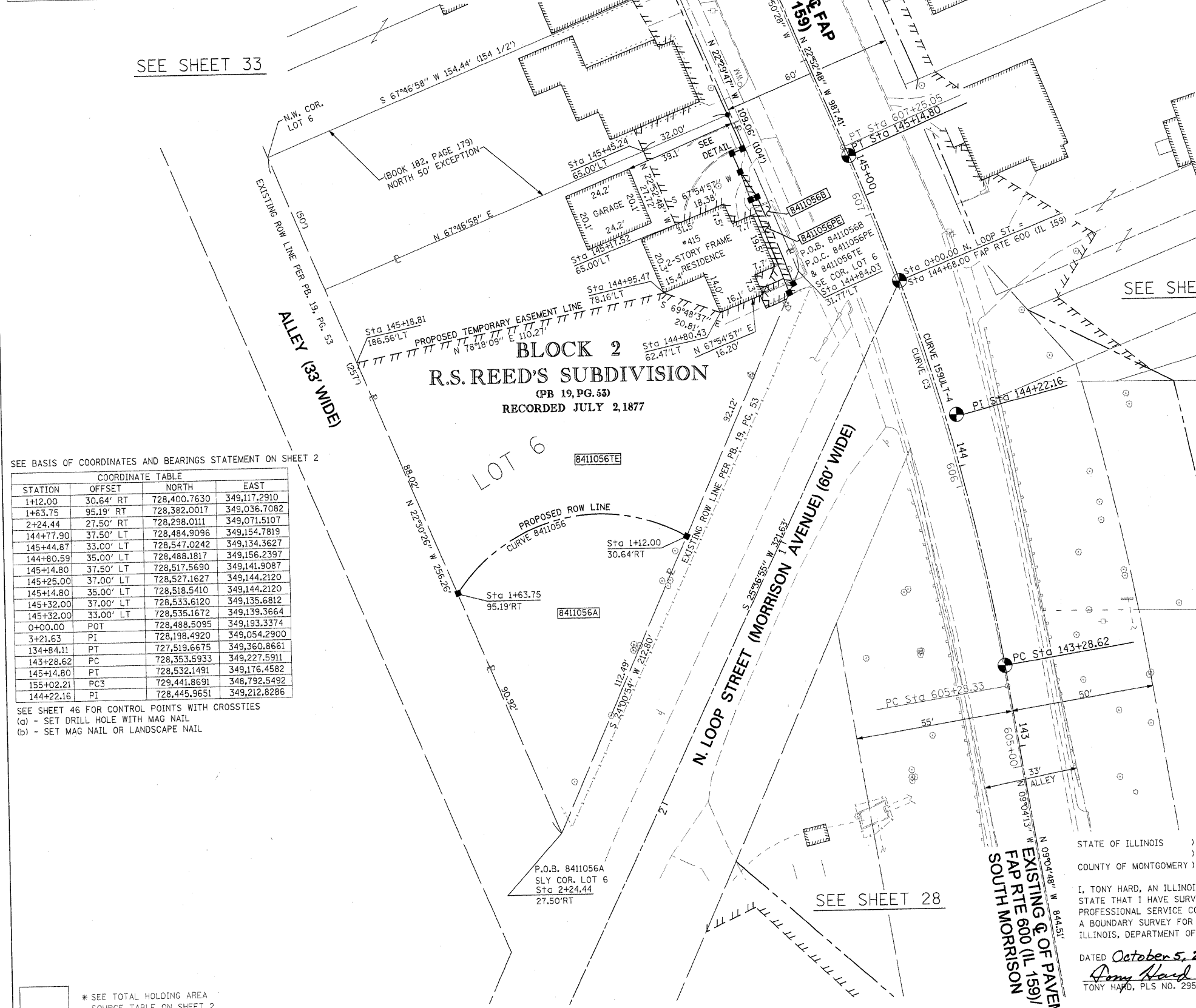
SEE SHEET 33

SEE SHEET 32

DETAIL
N.T.S



SPACE RESERVED FOR RECORDING OFFICER



SEE SHEET 29

SEE SHEET 28

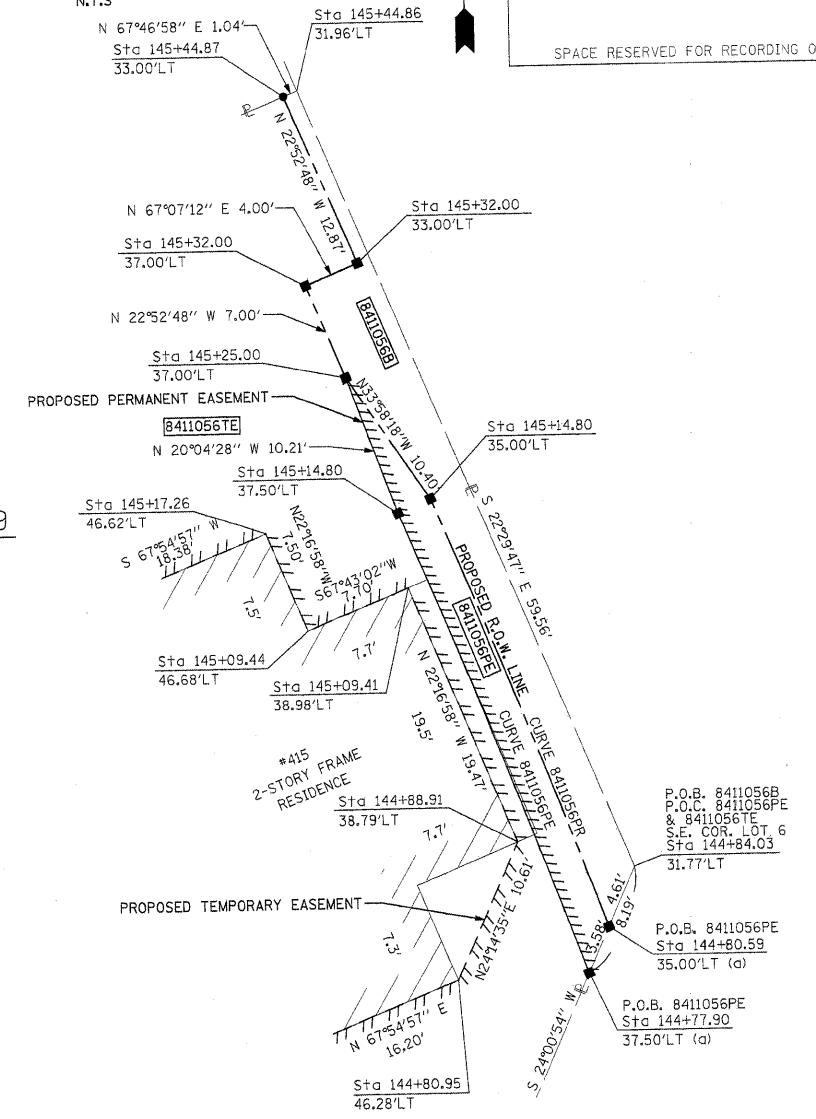
SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
1+12.00	30.64' RT	728,400.7630	349,117.2910
1+63.75	95.19' RT	728,382.0017	349,036.7082
2+24.44	27.50' RT	728,298.0111	349,071.5107
144+77.90	37.50' LT	728,484.9096	349,154.7819
145+44.87	33.00' LT	728,547.0242	349,134.3627
144+80.59	35.00' LT	728,488.1817	349,156.2397
145+14.80	37.50' LT	728,517.5690	349,141.9087
145+25.00	37.00' LT	728,527.1627	349,144.2120
145+14.80	35.00' LT	728,518.5410	349,144.2120
145+32.00	37.00' LT	728,533.6120	349,135.6812
145+32.00	33.00' LT	728,535.1672	349,139.3664
0+00.00	POT	728,488.5095	349,193.3374
3+21.63	PI	728,198.4920	349,054.2900
134+84.11	PT	727,519.6675	349,360.8661
143+28.62	PC	728,353.5933	349,227.5911
145+14.80	PT	728,532.1491	349,176.4582
155+02.21	PC3	729,441.8691	348,792.5492
144+22.16	PI	728,445.9651	349,212.8286

SEE SHEET 46 FOR CONTROL POINTS WITH CROSSIES
(a) - SET DRILL HOLE WITH MAG NAIL
(b) - SET MAG NAIL OR LANDSCAPE NAIL

* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 2

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	FEE SIMPLE ACQUISITION		REMAINDER	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			GROSS ACRES	SQ. FT.		PE = PERMANENT ACRES	TE = TEMPORARY SQ. FT.		
8411056	JACOB LIEBERMAN & CRISTINA LIEBERMAN, HUSBAND AND WIFE, AS JOINT TENANTS TITLE REPORT NO. MA-3581.0	0.4721	A=0.1068 B=0.0041	A=4,652 B=179	0.3612	TE 0.2299 PE 0.0022	10,013 97	13-2-21-34-09-101-010	



STATE OF ILLINOIS)
) SS
COUNTY OF MONTGOMERY)

I, TONY HARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED October 5, 2009
Tony Hard
TONY HARD, PLS. NO. 2953



McDonough-Whitlow, P.C.
Consulting Engineers & Land Surveyors
138 East Wood Street
Hillsboro, IL 62049
Phone: 217.532.9233
Fax: 217.532.6300
PROFESSIONAL DESIGN NO. 184-002754

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAP ROUTE 600 (IL 159)
SECTION 60-(30,31,128)-1
MADISON COUNTY
JOB NO. R-98-011-04
STATION 144+75 TO STATION 145+50

SCALE: 1" = 20'

SHEET 30 OF 46

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
1102 EASTPORT PLAZA DRIVE
COLLINSVILLE, ILLINOIS 62234-6198

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-1	MADISON	399	211

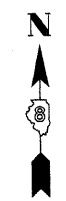
CONTRACT NO. 76830

COMPLETION DATE OF FIELD WORK PERFORMED
LAND SURVEY: 10-11-05 ROW STAKING: 09-17-09

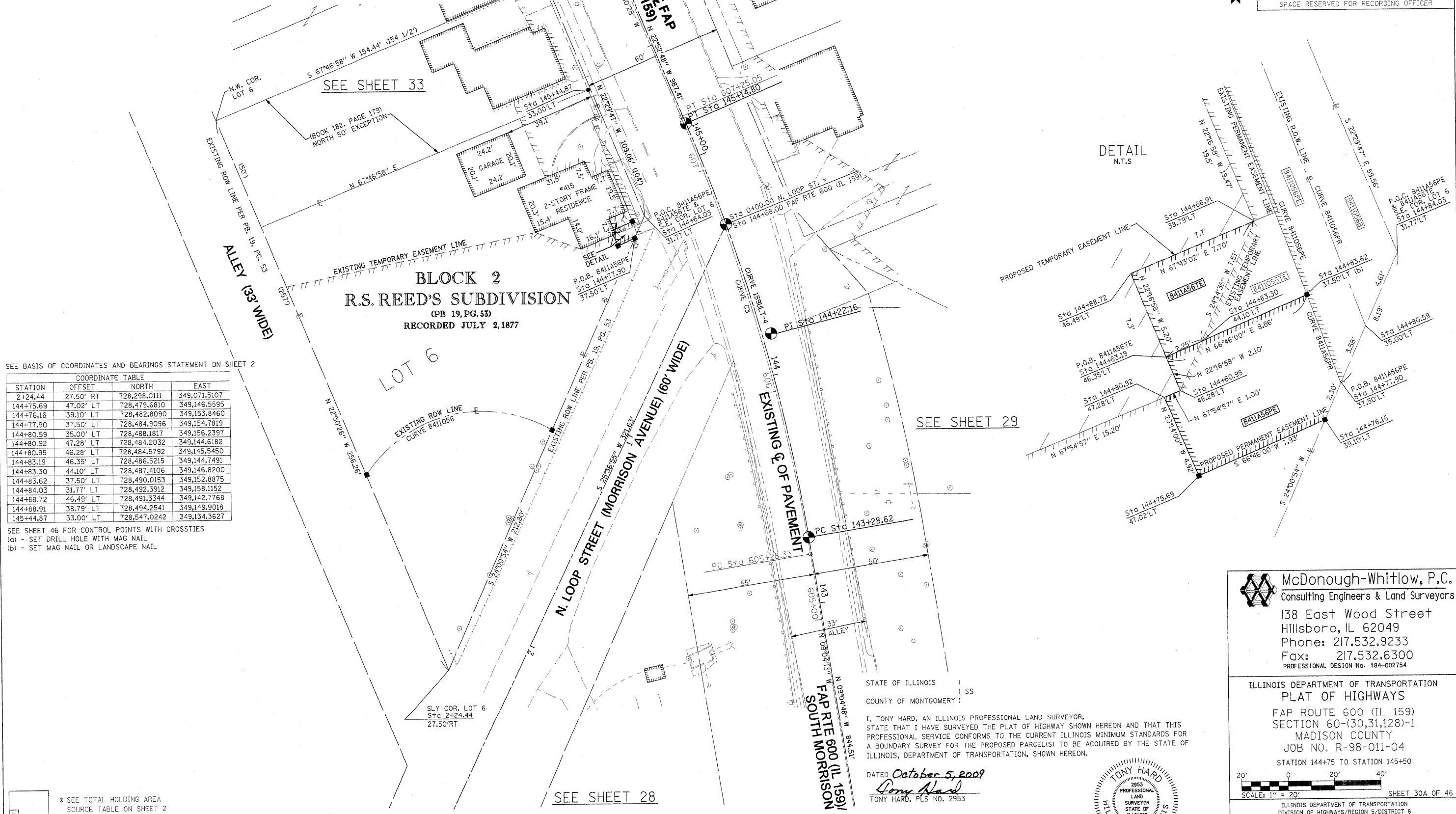
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

PART OF THE NW 14 OF SECTION 34, T3N, R8W, OF THE 3RD PM, MADISON COUNTY, ILLINOIS

CURVE TABLE									
CURVE	PI STA.	Δ	TANGENT	LENGTH	RADIUS	CHORD	CHORD BEARING	PC STA.	PT STA.
8411056PR				32.66'	738.00'	32.66'	N 21°36'45" W		
8411056				91.29'	60.00'	82.74'	N 76°53'38" E		
159ULT-4	144+22.16	13°48'00" (LT)	93.54'	186.18'	773.00'	185.73'	N 15°58'48" W	143+28.62	145+14.80
C3	606+27.16	13°46'15" (LT)	98.84'	196.72'	818.50'	196.25'	N 15°57'21" W	605+28.33	607+25.05
8411A56PR				5.45'	735.50'	5.45'	S 20°21'26" E		



SPACE RESERVED FOR RECORDING OFFICER



SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
2+24.44	27.50' RT	728,298.0111	349,071.5107
144+75.69	47.02' LT	728,479.6810	349,146.5595
144+76.16	39.10' LT	728,462.8090	349,153.8460
144+77.90	37.50' LT	728,484.9096	349,154.7819
144+80.59	35.00' LT	728,488.1817	349,156.2397
144+80.92	47.28' LT	728,484.2032	349,144.6182
144+80.95	46.28' LT	728,484.5792	349,145.5450
144+83.19	46.35' LT	728,486.5215	349,144.7491
144+83.30	44.10' LT	728,487.4106	349,146.8200
144+83.62	37.50' LT	728,490.0153	349,152.8875
144+84.03	31.77' LT	728,492.3912	349,158.1152
144+88.72	46.49' LT	728,491.3344	349,142.7768
144+88.91	38.79' LT	728,494.2541	349,149.9018
145+44.87	33.00' LT	728,547.0242	349,134.3627

SEE SHEET 46 FOR CONTROL POINTS WITH CROSSIES
 (a) - SET DRILL HOLE WITH MAG NAIL
 (b) - SET MAG NAIL OR LANDSCAPE NAIL

* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 2

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	FEE SIMPLE ACQUISITION		REMAINDER ACRES	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			ACRES	SQ. FT.		TE GRADING, ENTRANCE & SIDEWALK CONSTRUCTION	PE GRADING, RETAINING WALL & SIDEWALK CONSTRUCTION & MAINTENANCE		
8411A56	JACOB LIEBERMAN & CRISTINA LIEBERMAN, HUSBAND AND WIFE, AS JOINT TENANTS TITLE REPORT NO. MA-4243.0	0.3612	N/A	N/A	0.3612	TE 0.0006 PE 0.0015	26 65	13-2-21-34-09-101-010.001	

STATE OF ILLINOIS)
) SS
 COUNTY OF MONTGOMERY)
 I, TONY HARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.
 DATED October 5, 2009
Tony Hard
 TONY HARD, PLS NO. 2953



McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 138 East Wood Street
 Hillsboro, IL 62049
 Phone: 217.532.9233
 Fax: 217.532.6300
 PROFESSIONAL DESIGN No. 184-002754

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PLAT OF HIGHWAYS
 FAP ROUTE 600 (IL 159)
 SECTION 60-(30,31,28)-1
 MADISON COUNTY
 JOB NO. R-98-011-04
 STATION 144+75 TO STATION 145+50

SCALE: 1" = 20'

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
 1102 EASTPORT PLAZA DRIVE
 COLLINGSVILLE, ILLINOIS 62234-6198

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,28)-1	MADISON	399	212

COMPLETION DATE OF FIELD WORK PERFORMED
 LAND SURVEY: 10-11-05 ROW STAKING: 09-17-09

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
 CONTRACT NO. 76830

PART OF THE NW 14 OF SECTION 34, T3N, R8W, OF THE 3RD PM, MADISON COUNTY, ILLINOIS

SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
144+13.02	60.49' RT	728,452.0483	349,268.0864
144+13.23	73.59' RT	728,455.7321	349,280.6596
144+07.96	80.00' RT	728,451.8186	349,288.3615
144+16.11	49.04' RT	728,452.1833	349,256.1718
144+22.08	49.03' RT	728,458.2928	349,254.4320
144+20.50	33.31' RT	728,452.3690	349,239.7769
144+44.00	38.72' RT	728,477.4802	349,237.8588
144+44.81	50.00' RT	728,481.7210	349,248.3504
0+00.00	POT	728,488.5095	349,193.3374
143+28.62	PC	728,353.5933	349,227.5911
145+14.80	PT	728,532.1491	349,176.4582
155+02.21	PC	729,441.8691	348,792.5492
144+22.16	PI	728,445.9651	349,212.8286

CURVE TABLE									
CURVE	PI STA.	Δ	TANGENT	LENGTH	RADIUS	CHORD	CHORD BEARING	PC STA.	PT STA.
159ULT-4	144+22.16	13°48'00" (LT)	93.54'	186.18'	773.00'	185.73'	N 15°58'48" W	143+28.62	145+14.80
C3	606+27.16	13°46'15" (LT)	98.84'	196.72'	818.50'	196.25'	N 15°57'21" W	605+28.33	607+25.05

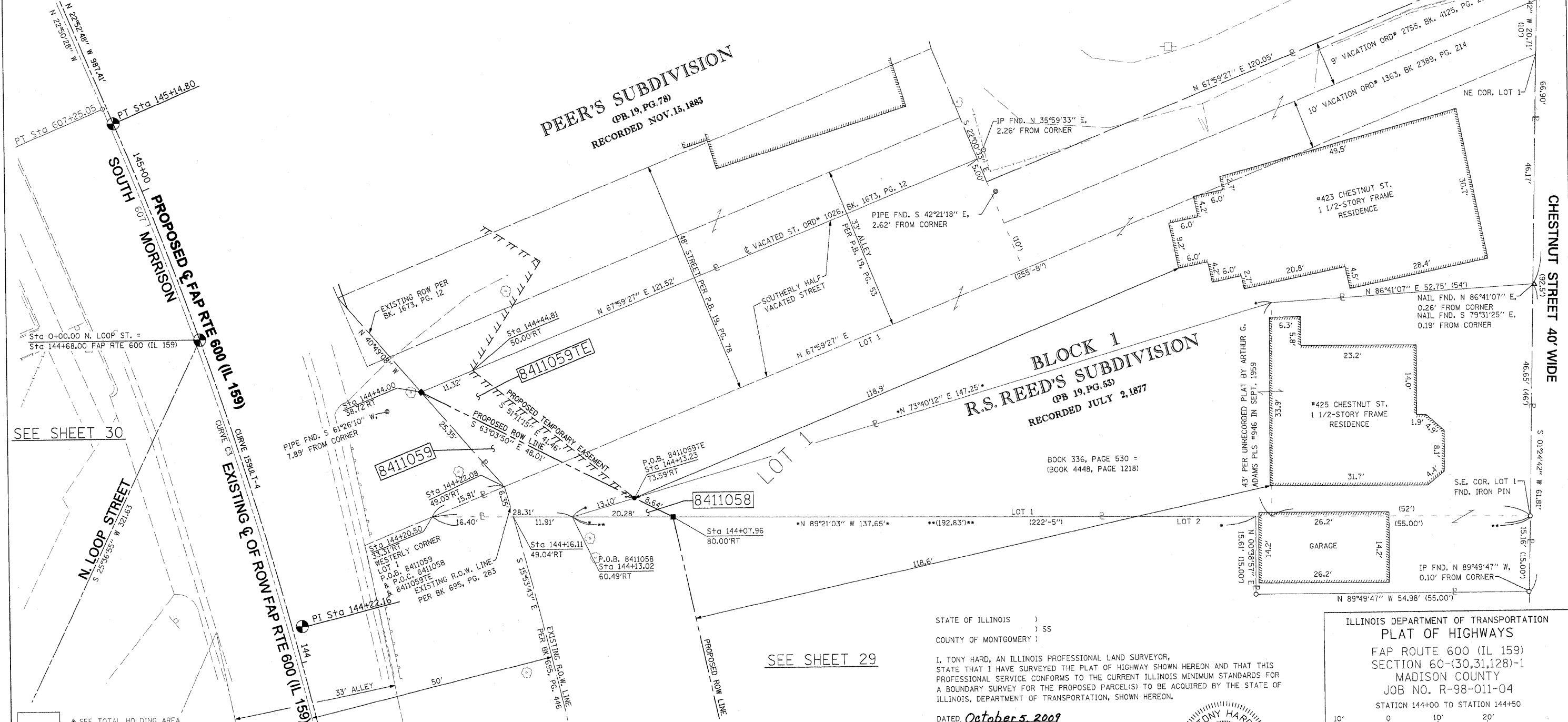


McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 138 East Wood Street
 Hillsboro, IL 62049
 Phone: 217.532.9233
 Fax: 217.532.6300
 PROFESSIONAL DESIGN No. 184-002754

SPACE RESERVED FOR RECORDING OFFICER

SEE SHEET 46 FOR CONTROL POINTS WITH CROSSIES
 (a) - SET DRILL HOLE WITH MAG NAIL
 (b) - SET MAG NAIL OR LANDSCAPE NAIL

SEE SHEET 32



SEE SHEET 30

SEE SHEET 29

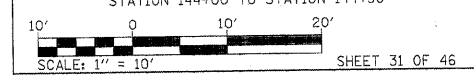
STATE OF ILLINOIS)
) SS
 COUNTY OF MONTGOMERY)

I, TONY HARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED October 5, 2009
Tony Hard
 TONY HARD, PLS NO. 2953



ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
 FAP ROUTE 600 (IL 159)
 SECTION 60-(30,31,128)-1
 MADISON COUNTY
 JOB NO. R-98-011-04
 STATION 144+00 TO STATION 144+50



ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
 1102 EASTPORT PLAZA DRIVE
 COLLINSVILLE, ILLINOIS 62234-6198

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.
600	60-(30,31,128)-1	MADISON	399 213
			CONTRACT NO. 76830

(License Expires: 11/30/10)
 COMPLETION DATE OF FIELD WORK PERFORMED
 LAND SURVEY: 10-11-05 ROW STAKING: 09-17-09

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	GROSS		NET		REMAINDER ACRES	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY	
			ACRES	SQ. FT.	ACRES	SQ. FT.		PE = PERMANENT	TE = TEMPORARY			EASEMENT PURPOSE
8411058	KATHY GUM & WAYNE L. GUM, AS JOINT TENANTS TITLE REPORT NO. MA-3565.0	0.1428	0.0009	39	0	0.0009	39	0.1419		13-2-21-34-09-102-009		
8411059	RICHARD J. SKELTON & JOYCE J. SKELTON, HIS WIFE, AS JOINT TENANTS TITLE REPORT NO. MA-3566.0	0.2276	0.0087	381	0.0011	50	0.0076	331	TE 0.0047	205	GRADING	13-2-21-34-09-102-010

PART OF THE NW 14 OF SECTION 34, T3N, R8W, OF THE 3RD PM, MADISON COUNTY, ILLINOIS

CURVE TABLE										
CURVE	PI STA.	Δ	TANGENT	LENGTH	RADIUS	CHORD	CHORD BEARING	PC STA.	PT STA.	
8411060	144+22.16	13°48'00" (LT)	93.54'	52.89'	803.00'	52.88'	S 21°08'17" E	143+28.62	145+14.80	
159ULT-4	144+22.16	13°48'00" (LT)	93.54'	186.18'	773.00'	185.73'	N 15°58'48" W	143+28.62	145+14.80	
C3	606+27.16	13°46'15" (LT)	98.84'	196.72'	818.50'	196.25'	N 15°57'21" W	605+28.33	607+25.05	

SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

COORDINATE TABLE				
STATION	OFFSET	NORTH	EAST	
144+66.46	29.07' RT	728,496.6665	349,221.2865	
144+63.88	30.13' RT	728,494.4873	349,223.1688	
145+29.31	33.00' RT	728,558.3472	349,201.2206	
145+25.00	30.00' RT	728,553.2126	349,200.1312	
145+14.80	30.00' RT	728,543.8133	349,204.0978	
145+29.41	27.94' RT	728,556.4721	349,196.5185	
145+89.83	33.00' RT	728,614.1057	349,177.6901	
145+89.92	28.34' RT	728,612.3808	349,173.3645	
143+28.62	PC	728,353.5933	349,227.5911	
145+14.80	PT	728,532.1491	349,176.4582	
155+02.21	PC	729,441.8691	348,792.5492	
144+44.00	38.72' RT	728,477.4802	349,237.8588	

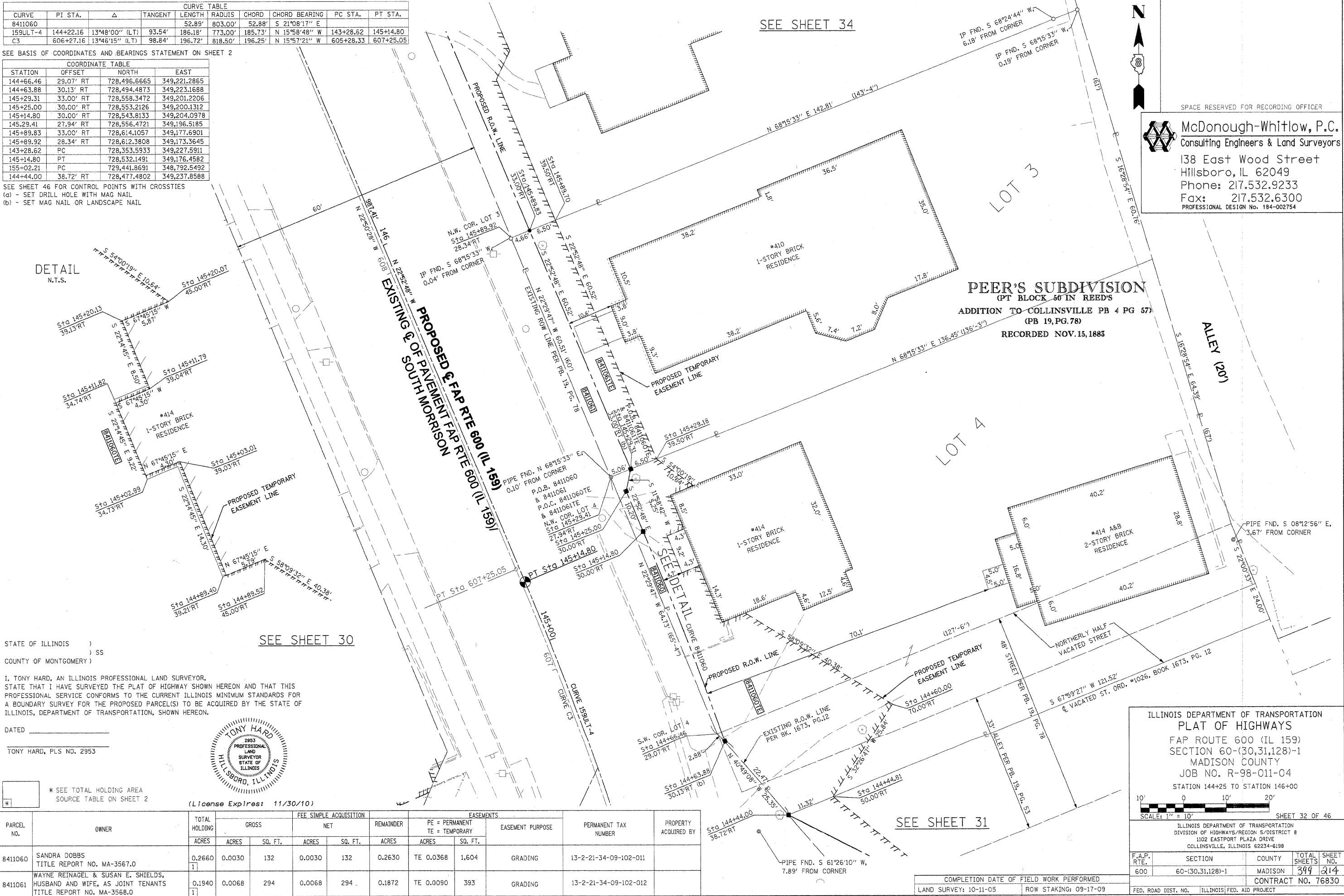
SEE SHEET 46 FOR CONTROL POINTS WITH CROSSSTIES

- (a) - SET DRILL HOLE WITH MAG NAIL
- (b) - SET MAG NAIL OR LANDSCAPE NAIL

N

SPACE RESERVED FOR RECORDING OFFICER

McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 138 East Wood Street
 Hillsboro, IL 62049
 Phone: 217.532.9233
 Fax: 217.532.6300
 PROFESSIONAL DESIGN NO. 184-002754



DETAIL
N.T.S.

SEE SHEET 30

SEE SHEET 31

STATE OF ILLINOIS)
) SS
 COUNTY OF MONTGOMERY)

I, TONY HARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED _____
 TONY HARD, PLS NO. 2953



(License Expires: 11/30/10)

* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 2

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	GROSS		FEE SIMPLE ACQUISITION NET		REMAINDER ACRES	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			ACRES	SQ. FT.	ACRES	SQ. FT.		PE = PERMANENT	TE = TEMPORARY		
8411060	SANDRA DOBBS TITLE REPORT NO. MA-3567.0	0.2660	0.0030	132	0.0030	132	0.2630	TE 0.0368	1,604	GRADING	13-2-21-34-09-102-011
8411061	WAYNE REINAGEL & SUSAN E. SHIELDS, HUSBAND AND WIFE, AS JOINT TENANTS TITLE REPORT NO. MA-3568.0	0.1940	0.0068	294	0.0068	294	0.1872	TE 0.0090	393	GRADING	13-2-21-34-09-102-012

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
 FAP ROUTE 600 (IL 159)
 SECTION 60-(30,31,128)-1
 MADISON COUNTY
 JOB NO. R-98-011-04
 STATION 144+25 TO STATION 146+00

1" = 10'
 SCALE: 1" = 10'

SHEET 32 OF 46

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
 1102 EASTPORT PLAZA DRIVE
 COLLINGSVILLE, ILLINOIS 62234-6198

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-1	MADISON	399	214

COMPLETION DATE OF FIELD WORK PERFORMED
 LAND SURVEY: 10-11-05 ROW STAKING: 09-17-09

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

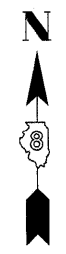
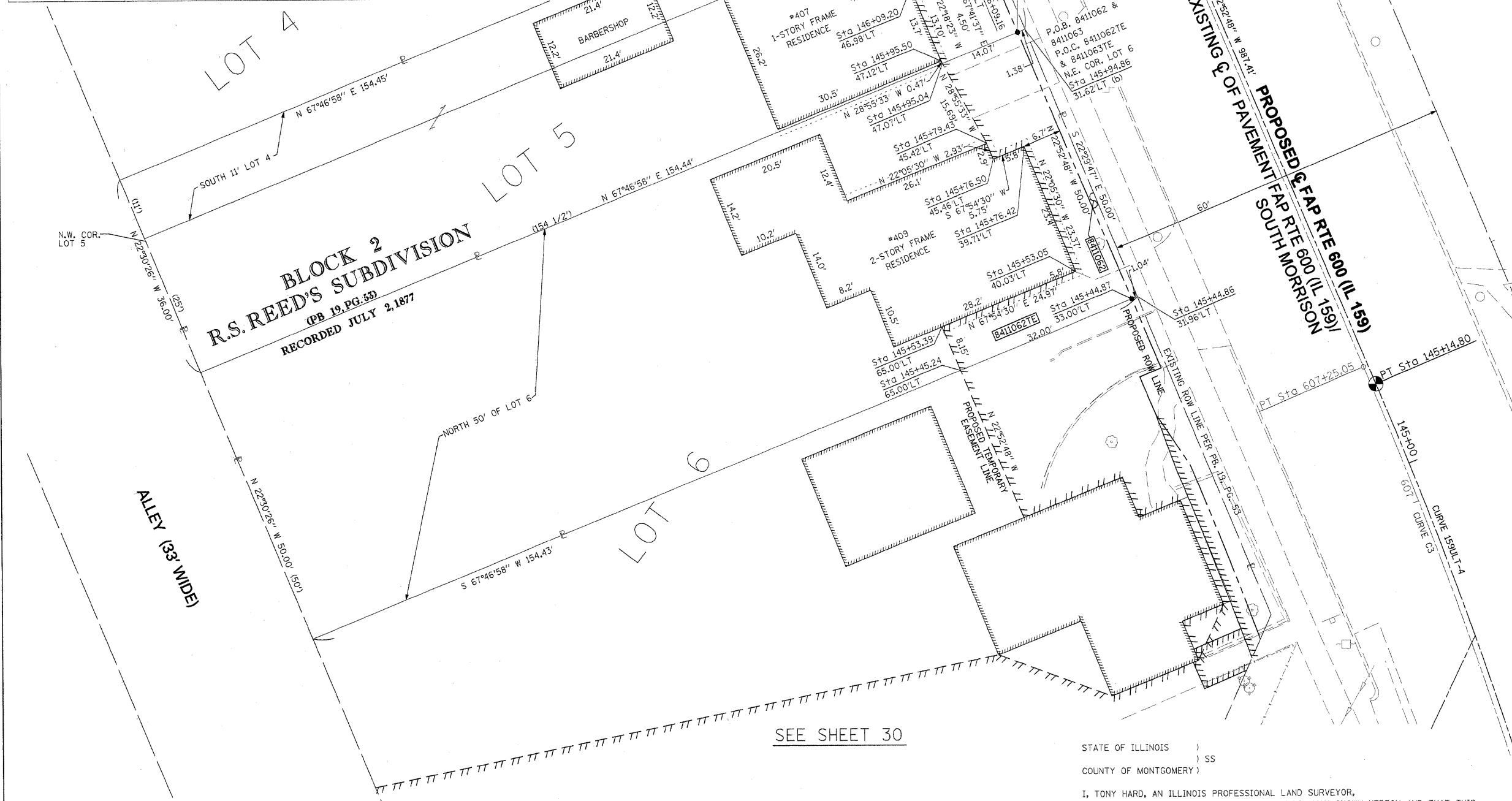
PART OF THE NW 14 OF SECTION 34, T3N, R8W, OF THE 3RD PM, MADISON COUNTY, ILLINOIS

SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

COORDINATE TABLE				
STATION	OFFSET	NORTH	EAST	
145+44.86	31.96' LT	728,547.4178	349,135.3264	
145+44.87	33.00' LT	728,547.0242	349,134.3627	
145+94.87	33.00' LT	728,593.0928	349,114.9214	
145+94.86	31.62' LT	728,593.6130	349,116.1951	
146+30.87	33.00' LT	728,626.2621	349,100.9237	
146+30.86	31.38' LT	728,626.8735	349,102.4206	
145+14.80	PT	728,532.1491	349,176.4582	
155+02.21	PC	729,441.8691	348,792.5492	

SEE SHEET 46 FOR CONTROL POINTS WITH CROSSIES
 (a) - SET DRILL HOLE WITH MAG NAIL
 (b) - SET MAG NAIL OR LANDSCAPE NAIL

CURVE TABLE										
CURVE	PI STA.	Δ	TANGENT	LENGTH	RADIUS	CHORD	CHORD BEARING	PC STA.	PT STA.	
C3	606+27.16	13°46'15" (LT)	98.84'	196.72'	818.50'	196.25'	N 15°57'21" W	605+28.33	607+25.05	
159ULT-4	144+22.16	13°48'00" (LT)	93.54'	186.18'	773.00'	185.73'	N 15°58'48" W	143+28.62	145+14.80	



SPACE RESERVED FOR RECORDING OFFICER

SEE SHEET 32

SEE SHEET 30

* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 2

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	FEE SIMPLE ACQUISITION						REMAINDER ACRES	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY	
			GROSS		PREVIOUSLY DEDICATED AND/OR USED		NET			PE = PERMANENT	EASEMENT PURPOSE			
			ACRES	SO. FT.	ACRES	SO. FT.	ACRES	SO. FT.		ACRES	SO. FT.			
8411062	ROBERT A. FRANKLIN AND MARIE A. FRANKLIN, HUSBAND AND WIFE, AS TENANTS IN COMMON TITLE REPORT NO. MA-3582.0	0.1773	0.0014	60	0	0	0.0014	60	0.1759	TE 0.0152	663	GRADING & ENTRANCE CONSTRUCTION	13-2-21-34-09-101-009	
8411063	DAMON WALKER TITLE REPORT NO. MA-3583.0	0.1276	0.0012	54	0	0	0.0012	54	0.1264	TE 0.0107	466	GRADING, ENTRANCE & SIDEWALK CONSTRUCTION	13-2-21-34-09-101-008	

STATE OF ILLINOIS)
) SS
 COUNTY OF MONTGOMERY)

I, TONY HARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED October 5, 2009
Tony Hard
 TONY HARD, ILS NO. 2953



(License Expires: 11/30/10)

COMPLETION DATE OF FIELD WORK PERFORMED
 LAND SURVEY: 10-11-05 ROW STAKING: 09-17-09

McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 138 East Wood Street
 Hillsboro, IL 62049
 Phone: 217.532.9233
 Fax: 217.532.6300
 PROFESSIONAL DESIGN NO. 184-002754

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
 FAP ROUTE 600 (IL 159)
 SECTION 60-(30,31,128)-1
 MADISON COUNTY
 JOB NO. R-98-011-04
 STATION 145+25 TO STATION 146+50

SCALE: 1" = 10' SHEET 33 OF 46

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
 1102 EASTPORT PLAZA DRIVE
 COLLINSVILLE, ILLINOIS 62234-6198

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-1	MADISON	399	215

CONTRACT NO. 76830
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

PART OF THE NW 14 OF SECTION 34, T3N, R8W, OF THE 3RD PM, MADISON COUNTY, ILLINOIS

SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

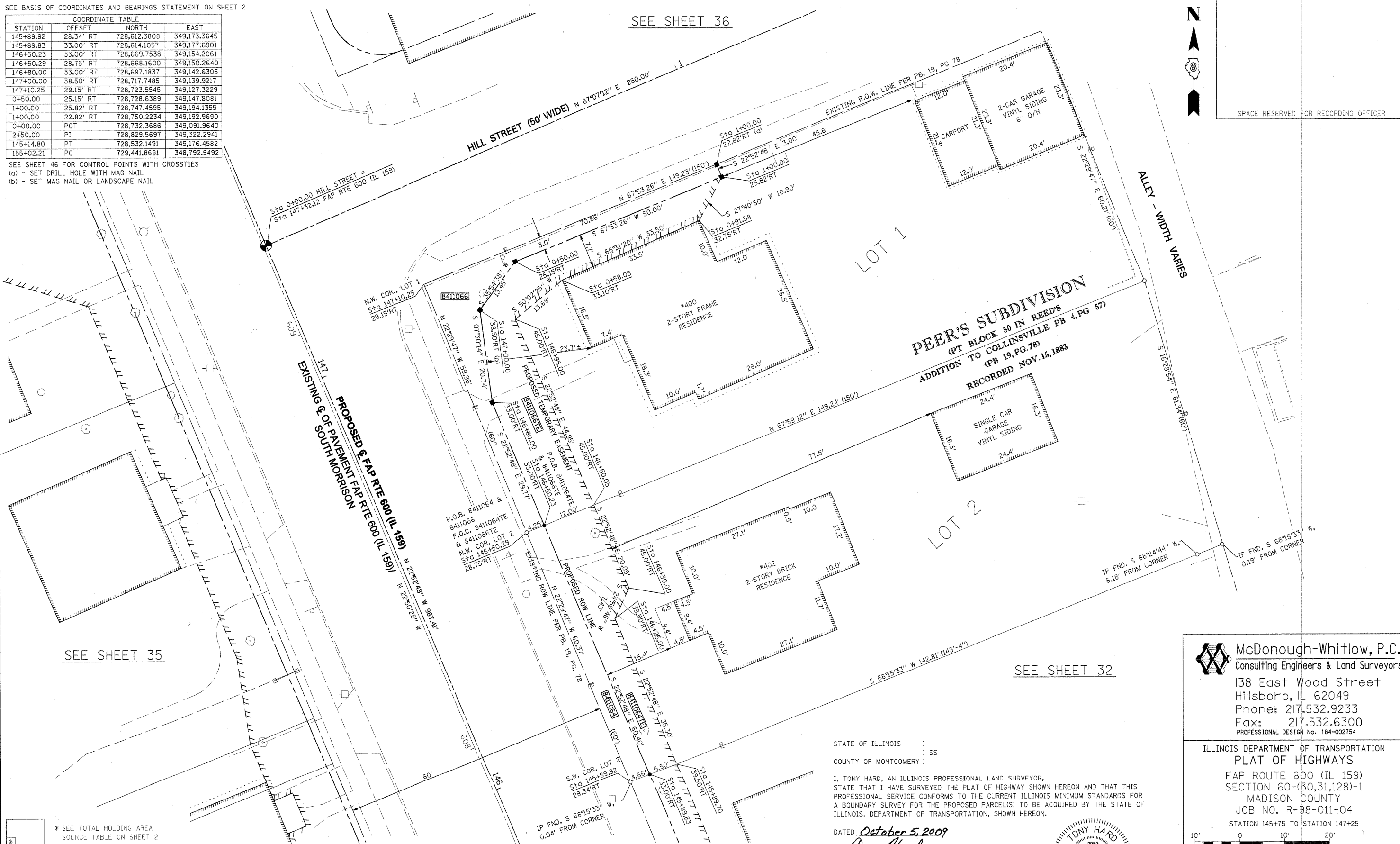
COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
145+89.92	28.34' RT	728,612.3808	349,173.3645
145+89.83	33.00' RT	728,614.1057	349,177.6901
146+50.23	33.00' RT	728,669.7538	349,154.2061
146+50.29	28.75' RT	728,668.1600	349,150.2640
146+80.00	33.00' RT	728,697.1837	349,142.6305
147+00.00	38.50' RT	728,717.7485	349,139.9217
147+10.25	29.15' RT	728,723.5545	349,127.3229
0+50.00	25.15' RT	728,728.6389	349,147.8081
1+00.00	25.82' RT	728,747.4595	349,194.1355
1+00.00	22.82' RT	728,750.2234	349,192.9690
0+00.00	POT	728,732.3686	349,091.9640
2+50.00	PI	728,829.5697	349,322.2941
145+14.80	PT	728,532.1491	349,176.4582
155+02.21	PC	729,441.8691	348,792.5492

SEE SHEET 46 FOR CONTROL POINTS WITH CROSSTIES
 (a) - SET DRILL HOLE WITH MAG NAIL
 (b) - SET MAG NAIL OR LANDSCAPE NAIL

SEE SHEET 36



SPACE RESERVED FOR RECORDING OFFICER



SEE SHEET 35

SEE SHEET 32

* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 2

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	GROSS		FEE SIMPLE ACQUISITION NET		REMAINDER ACRES	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			ACRES	SQ. FT.	ACRES	SQ. FT.		ACRES	SQ. FT.		
8411064	DEBORAH E. MASTERS TITLE REPORT NO. MA-3569.0	0.2035	0.0062	269	0.0062	269	0.1973	TE 0.0119	517	13-2-21-34-09-102-013	
8411066	KENNETH ADAMS & JOANN BITTLE, AS JOINT TENANTS TITLE REPORT NO. MA-3570.0	0.2058	0.0133	579	0.0133	579	0.1925	TE 0.0220	957	13-2-21-34-09-102-014	

STATE OF ILLINOIS)
) SS
 COUNTY OF MONTGOMERY)

I, TONY HARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED October 5, 2009
Tony Hard
 TONY HARD, PLS NO. 2953



(License Expires: 11/30/10)

COMPLETION DATE OF FIELD WORK PERFORMED		TOTAL SHEETS	
LAND SURVEY: 10-11-05	ROW STAKING: 09-17-09	399	216
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT		CONTRACT NO. 76830	

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PLAT OF HIGHWAYS
 FAP ROUTE 600 (IL 159)
 SECTION 60-(30,31,128)-1
 MADISON COUNTY
 JOB NO. R-98-011-04
 STATION 145+75 TO STATION 147+25

SCALE: 1" = 10'

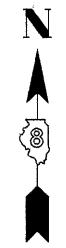
SHEET 34 OF 46
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
 1102 EASTPORT PLAZA DRIVE
 COLLINSVILLE, ILLINOIS 62234-6198

PART OF THE NW 14 OF SECTION 34, T3N, R8W, OF THE 3RD PM, MADISON COUNTY, ILLINOIS

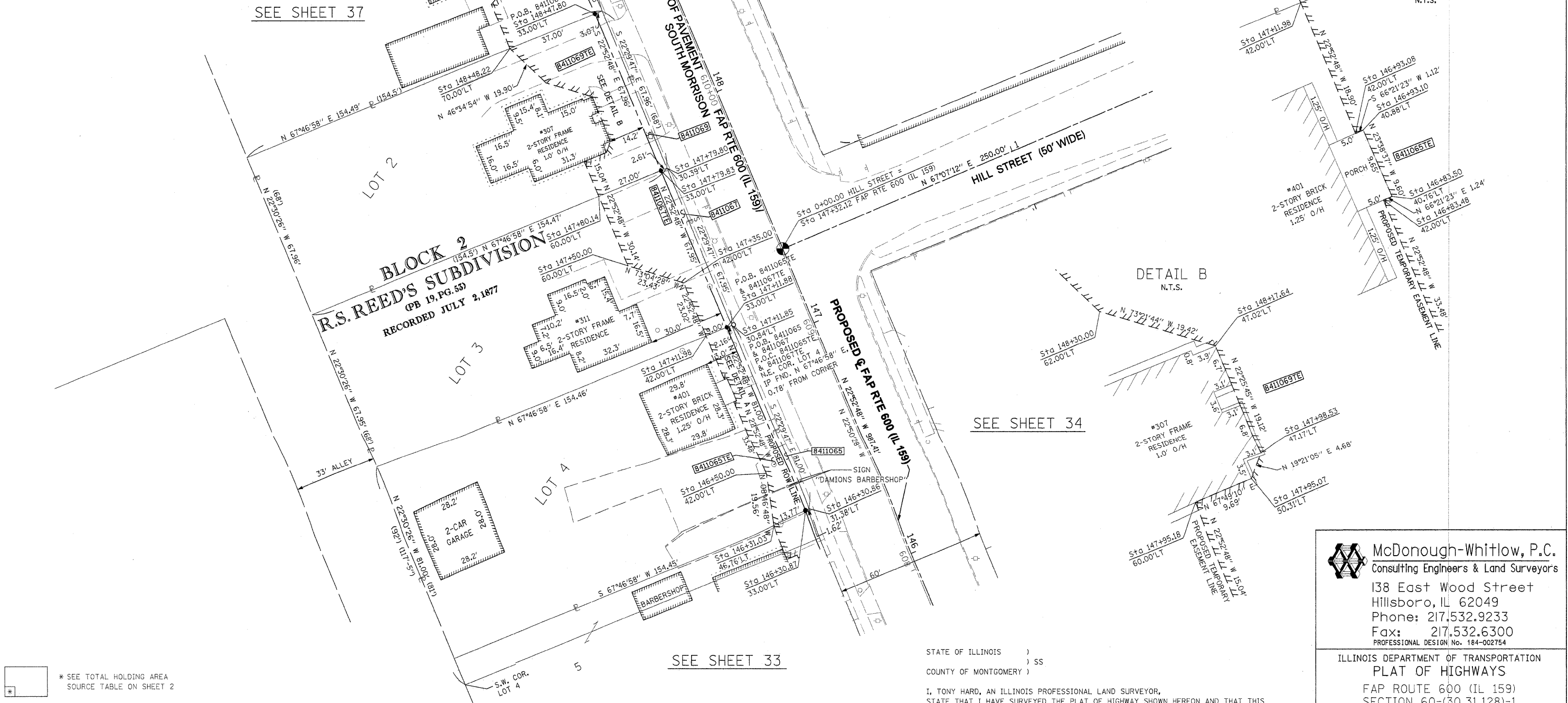
SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
147+79.80	30.39' LT	728,764.4878	349,045.4288
147+79.83	33.00' LT	728,763.4993	349,043.0085
148+47.80	33.00' LT	728,826.1156	349,016.5839
148+47.76	29.93' LT	728,827.2763	349,019.4255
147+11.85	30.84' LT	728,701.7097	349,071.4278
147+11.88	33.00' LT	728,700.8932	349,069.4288
146+30.86	31.38' LT	728,626.8735	349,102.4206
146+30.87	33.00' LT	728,626.2621	349,100.9237
0+00.00	POT	728,732.3686	349,091.9640
145+14.80	PT	728,532.1491	349,176.4582
155+02.21	PC	729,441.8691	348,792.5492

SEE SHEET 46 FOR CONTROL POINTS WITH CROSSIES
 (a) - SET DRILL HOLE WITH MAG NAIL
 (b) - SET MAG NAIL OR LANDSCAPE NAIL



SPACE RESERVED FOR RECORDING OFFICER



DETAIL A
N.T.S.

DETAIL B
N.T.S.

* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 2

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	GROSS		PREVIOUSLY DEDICATED AND/OR USED		NET		REMAINDER ACRES	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			ACRES	SQ. FT.	ACRES	SQ. FT.	ACRES	SQ. FT.		PE = PERMANENT	TE = TEMPORARY		
8411065	DENNIS KELLENBERGER & KATHERINE KELLENBERGER, HUSBAND AND WIFE, AS TENANTS BY THE ENTIRETIES TITLE REPORT NO. MA-3584.0	0.2872	0.0035	153	0	0	0.0035	153	0.2837	TE 0.0175	763	13-2-21-34-09-101-007	
8411067	MARIANNE M. LEDBETTER & BYRON G. LEDBETTER, HER HUSBAND, AS JOINT TENANTS TITLE REPORT NO. MA-3585.0	0.2410	0.0037	162	0	0	0.0037	162	0.2373	TE 0.0296	1,287	13-2-21-34-09-101-006	
8411069	ZACHARY JAHNS & TABITHA JAHNS, HUSBAND AND WIFE, NOT AS JOINT TENANTS OR TENANTS IN COMMON, BUT AS TENANTS BY THE ENTIRETY TITLE REPORT NO. MA-3586.0	0.2410	0.0044	193	0	0	0.0044	193	0.2366	TE 0.0365	1,591	13-2-21-34-09-101-005	

STATE OF ILLINOIS)
) SS
 COUNTY OF MONTGOMERY)

I, TONY HARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED October 5, 2009
Tony Hard
 TONY HARD, PLS NO. 2953



(License Expires: 11/30/10)

McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
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 Hillsboro, IL 62049
 Phone: 217.532.9233
 Fax: 217.532.6300
 PROFESSIONAL DESIGN No. 184-002754

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
 FAP ROUTE 600 (IL 159)
 SECTION 60-(30,31,128)-1
 MADISON COUNTY
 JOB NO. R-98-011-04
 STATION 146+25 TO STATION 148+50

SCALE: 1" = 20'

SHEET 35 OF 46

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
 1102 EASTPORT PLAZA DRIVE
 COLLINSVILLE, ILLINOIS 62234-6198

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-1	MADISON	399	217

COMPLETION DATE OF FIELD WORK PERFORMED
 LAND SURVEY: 10-11-05 ROW STAKING: 09-17-09

FED. ROAD DIST. NO. [] ILLINOIS FED. AID PROJECT CONTRACT NO. 76830

PART OF THE NW 14 OF SECTION 34, T3N, R8W, OF THE 3RD PM, MADISON COUNTY, ILLINOIS

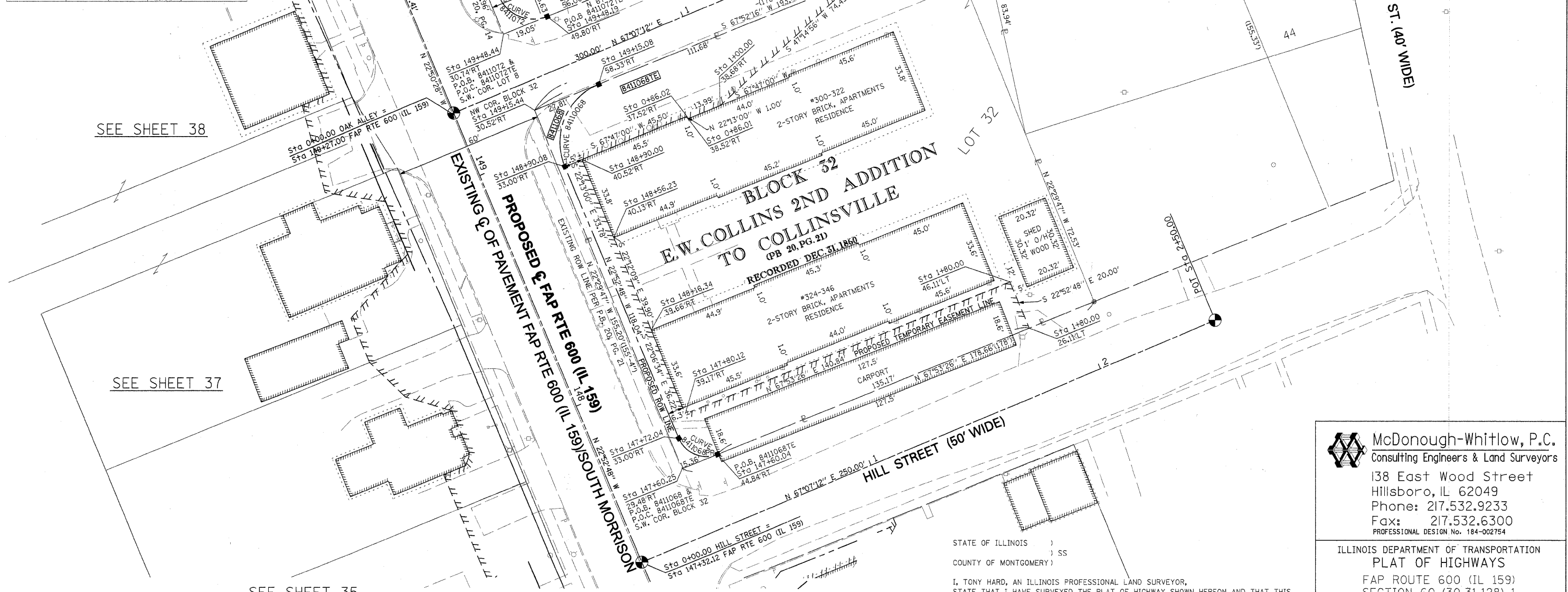
SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
147+60.25	29.48' RT	728,769.7507	349,108.1911
147+60.04	44.84' RT	728,775.5301	349,122.4173
147+72.04	33.00' RT	728,781.9821	349,106.8449
148+90.08	33.00' RT	728,890.7363	349,060.9498
149+15.44	30.52' RT	728,913.1405	349,048.8075
149+15.08	58.33' RT	728,923.6149	349,074.5655
149+48.19	49.80' RT	728,950.8067	349,053.8310
149+63.63	35.00' RT	728,959.2744	349,034.1958
149+48.44	30.74' RT	728,943.6293	349,036.1808
150+08.40	31.15' RT	728,999.0265	349,013.2386
150+08.34	36.31' RT	729,000.9815	349,018.0198
0+00.00	POT	728,732.3686	349,091.9640
2+50.00	PI	728,829.5697	349,322.2941
0+00.00	POT	728,911.9192	349,016.1922
3+00.00	PI	729,028.5606	349,292.5883
145+14.80	PT	728,532.1491	349,176.4582
155+02.21	PC	729,441.8691	348,792.5492

SEE SHEET 46 FOR CONTROL POINTS WITH CROSSIES

- (a) - SET DRILL HOLE WITH MAG NAIL
- (b) - SET MAG NAIL OR LANDSCAPE NAIL

CURVE TABLE			
CURVE	LENGTH	RADIUS	CHORD BEARING
8411068PR	18.69'	12.00'	S 67°29'41" E
8411068	39.60'	25.00'	S 22°29'44" W
8411072	23.81'	15.00'	S 66°39'52" E



SEE SHEET 38

SEE SHEET 37

SEE SHEET 35

SEE SHEET 34



SPACE RESERVED FOR RECORDING OFFICER

* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 2

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	FEE SIMPLE ACQUISITION				EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY				
			GROSS ACRES	SQ. FT.	PREVIOUSLY DEDICATED AND/OR USED ACRES	NET ACRES	REMAINDER ACRES	PE = PERMANENT TE = TEMPORARY			EASEMENT PURPOSE			
8411068	KENNETH L. QUINLAN, TRUSTEE AND SUCCESSOR TRUSTEE OF THE KENNETH L. QUINLAN LIVING TRUST OF FEBRUARY 28, 2009 TITLE REPORT NO. MA-3571.0	0.6507	0.0145	633	0	0	0.0145	633	0.6362	TE 0.1412	6,152	BUILDING (CARPORT) REMOVAL, GRADING, ENTRANCE & SIDEWALK CONSTRUCTION	13-2-21-34-09-102-020 13-2-21-34-09-102-021	
8411072	THEODORE HESTER, AS SOLE OWNER TITLE REPORT NO. MA-3573.0	0.2093	0.0073	319	0	0	0.0073	319	0.2020	TE 0.0443	1,929	GRADING, ENTRANCE & SIDEWALK CONSTRUCTION	13-2-21-34-09-102-022	

STATE OF ILLINOIS)
 COUNTY OF MONTGOMERY) SS
 I, TONY HARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED October 5, 2009
 Tony Hard
 TONY HARD, PLS NO. 2953



(License Expires: 11/30/10)

COMPLETION DATE OF FIELD WORK PERFORMED	ROW STAKING: 09-17-09
LAND SURVEY: 10-11-05	

McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 138 East Wood Street
 Hillsboro, IL 62049
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 PROFESSIONAL DESIGN NO. 184-002754

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PLAT OF HIGHWAYS
 FAP ROUTE 600 (IL 159)
 SECTION 60-(30,31,128)-1
 MADISON COUNTY
 JOB NO. R-98-011-04
 STATION 147+50 TO STATION 150+25

SCALE: 1" = 20'

SHEET 36 OF 46

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-1	MADISON	399	318

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
 1102 EASTPORT PLAZA DRIVE
 COLLINSVILLE, ILLINOIS 62234-6198

CONTRACT NO. 76830
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

PART OF THE NW 14 OF SECTION 34, T3N, R8W, OF THE 3RD PM, MADISON COUNTY, ILLINOIS

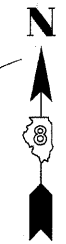
SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
148+47.76	29.93' LT	728,827.2763	349,019.4255
148+47.80	33.00' LT	728,826.1156	349,016.5839
149+32.25	32.36' LT	728,904.1748	348,984.3316
149+32.28	34.89' LT	728,903.2215	348,981.9977
149+15.72	29.48' LT	728,890.0648	348,993.4222
145+14.80	PT	728,532.1491	349,176.4582
155+02.21	PC	729,441.8691	348,792.5492

SEE SHEET 46 FOR CONTROL POINTS WITH CROSSTIES
 (a) - SET DRILL HOLE WITH MAG NAIL
 (b) - SET MAG NAIL OR LANDSCAPE NAIL

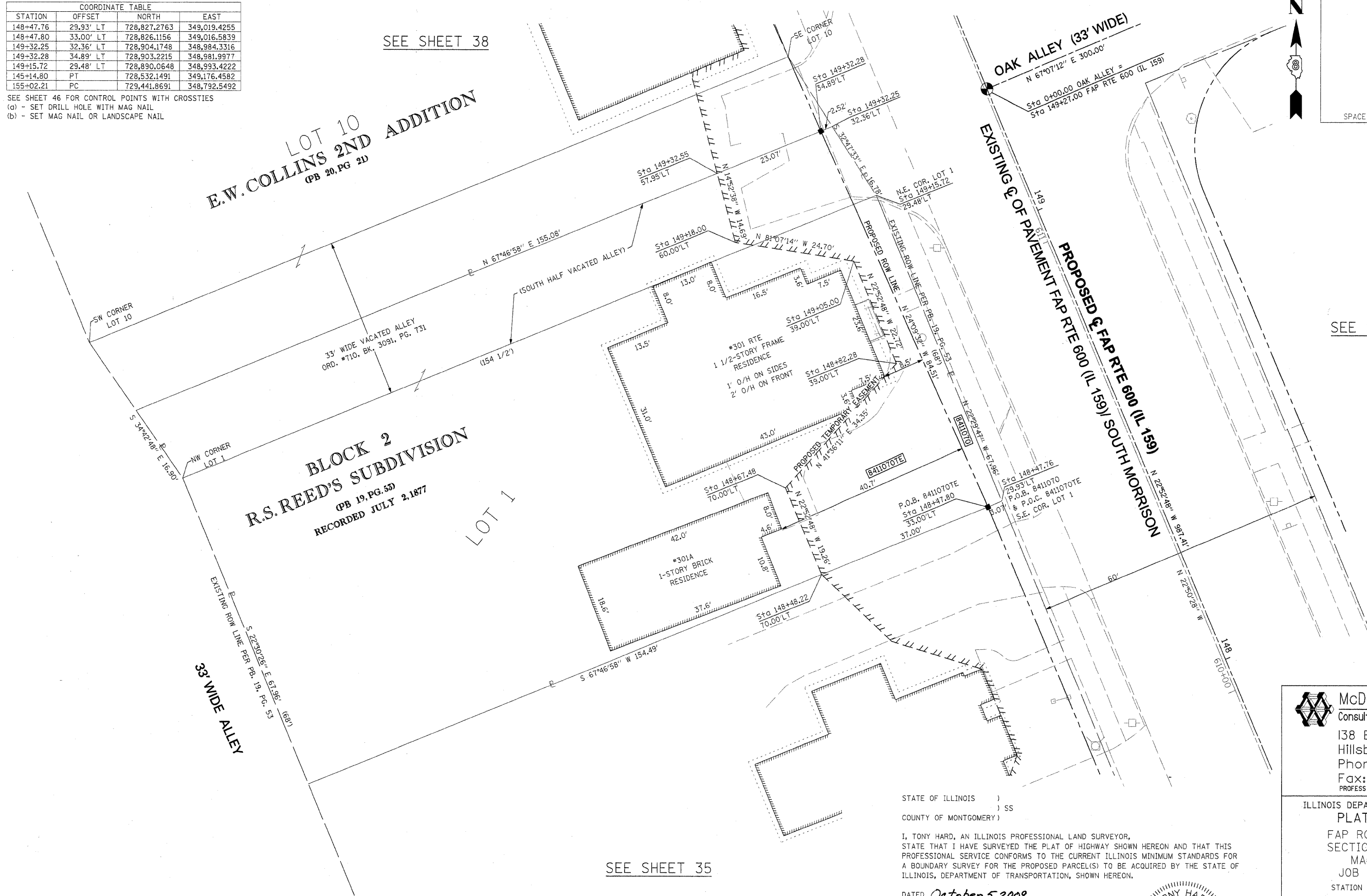
SEE SHEET 38

LOT 10
 E.W. COLLINS 2ND ADDITION
 (PB 20, PG 21)



SPACE RESERVED FOR RECORDING OFFICER

SEE SHEET 36



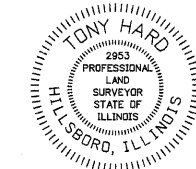
BLOCK 2
 R.S. REED'S SUBDIVISION
 (PB 19, PG. 53)
 RECORDED JULY 2, 1877

SEE SHEET 35

STATE OF ILLINOIS)
) SS
 COUNTY OF MONTGOMERY)

I, TONY HARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED October 5, 2009
Tony Hard
 TONY HARD, PLS NO. 2953



McDonough-Whitlow, P.C.
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ILLINOIS DEPARTMENT OF TRANSPORTATION
 PLAT OF HIGHWAYS
 FAP ROUTE 600 (IL 159)
 SECTION 60-(30,31,128)-1
 MADISON COUNTY
 JOB NO. R-98-011-04
 STATION 148+25 TO STATION 149+50

SCALE: 1" = 10'
 SHEET 37 OF 46

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
 1102 EASTPORT PLAZA DRIVE
 COLLINSVILLE, ILLINOIS 62234-6198

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-1	MADISON	374	219
COMPLETION DATE OF FIELD WORK PERFORMED			CONTRACT NO. 76830	
LAND SURVEY: 10-11-05		ROW STAKING: 09-17-09		FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT

* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 2

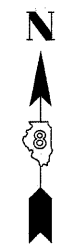
PARCEL NO.	OWNER	TOTAL HOLDING ACRES	FEE SIMPLE ACQUISITION		REMAINDER ACRES	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			GROSS ACRES	SQ. FT.		PE = PERMANENT TE = TEMPORARY	EASEMENT PURPOSE		
8411070	MICHAEL D. LAKE TITLE COMMITMENT NO. MA-3587.0	0.2997	0.0078	338	0.2919	TE 0.0387	1,684	GRADING, ENTRANCE & SIDEWALK CONSTRUCTION	13-2-21-34-09-101-004

PART OF THE NW 14 OF SECTION 34, T3N, R8W, OF THE 3RD PM, MADISON COUNTY, ILLINOIS

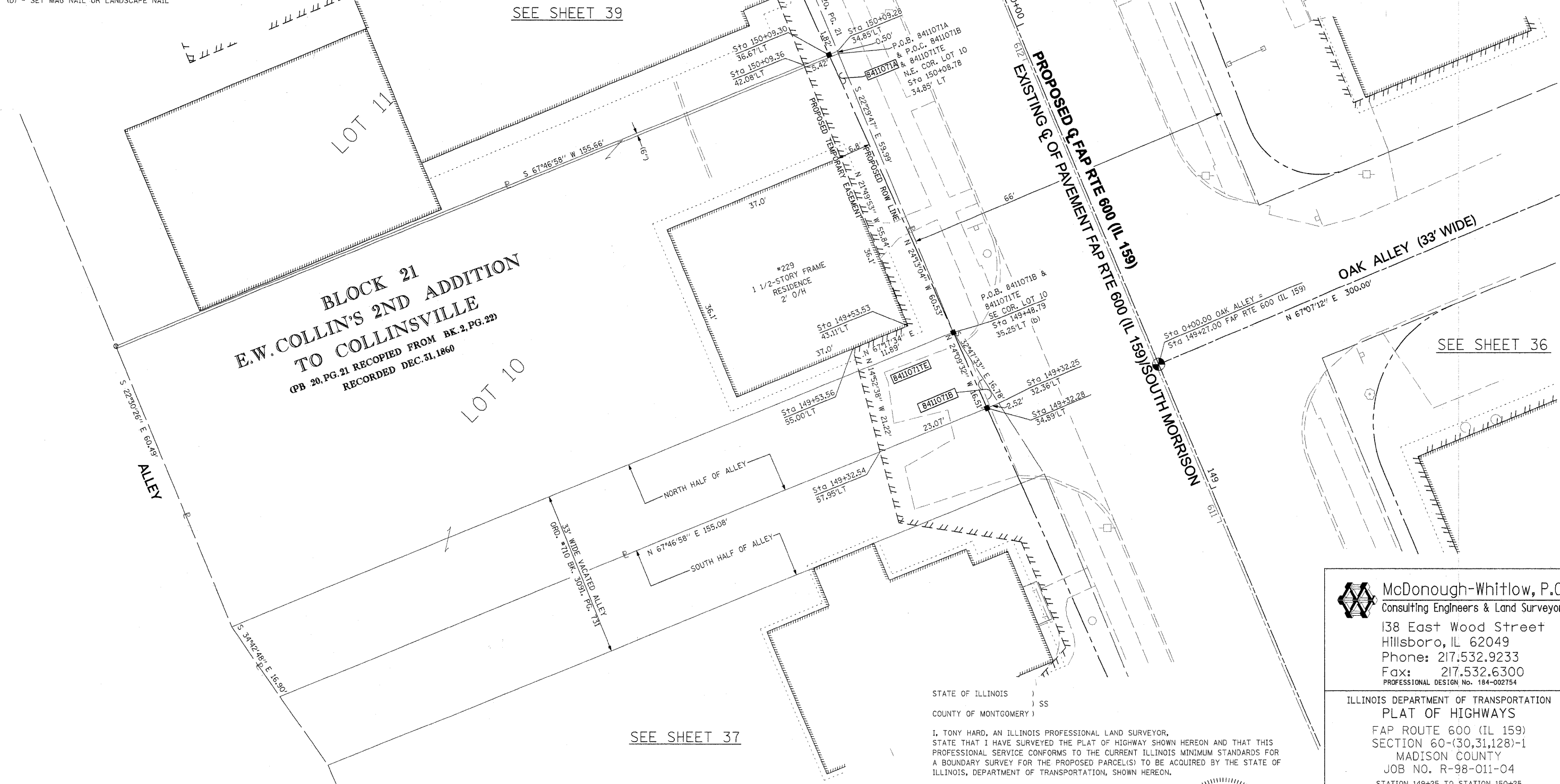
SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
149+32.28	34.89' LT	728,903.2215	348,981.9977
149+32.25	32.36' LT	728,904.1748	348,984.3316
150+08.78	34.85' LT	728,973.7098	348,952.2872
150+09.28	34.85' LT	728,974.1717	348,952.0959
145+14.80	PT	728,532.1491	349,176.4582
155+02.21	PC	729,441.8691	348,792.5492
150+09.30	36.67' LT	728,973.4842	348,950.4127
149+48.79	35.25' LT	728,918.2848	348,975.2410

SEE SHEET 46 FOR CONTROL POINTS WITH CROSS-TIES
 (a) - SET DRILL HOLE WITH MAG NAIL
 (b) - SET MAG NAIL OR LANDSCAPE NAIL



SPACE RESERVED FOR RECORDING OFFICER



BLOCK 21
E.W. COLLINS' 2ND ADDITION
TO COLLINSVILLE
 (PB 20, PG. 21 RECOPIED FROM BK. 2, PG. 22)
 RECORDED DEC. 31, 1860

SEE SHEET 37

SEE SHEET 36

* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 2

STATE OF ILLINOIS)
) SS
 COUNTY OF MONTGOMERY)

I, TONY HARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED October 5, 2009
Tony Hard
 TONY HARD, PLS NO. 2953



McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 138 East Wood Street
 Hillsboro, IL 62049
 Phone: 217.532.9233
 Fax: 217.532.6300
 PROFESSIONAL DESIGN NO. 184-002754

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PLAT OF HIGHWAYS
 FAP ROUTE 600 (IL 159)
 SECTION 60-(30,31,128)-1
 MADISON COUNTY
 JOB NO. R-98-011-04
 STATION 149+25 TO STATION 150+25

SCALE: 1" = 10'
 SHEET 38 OF 46

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	FEE SIMPLE ACQUISITION GROSS		REMAINDER ACRES	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			ACRES	SG. FT.		PE = PERMANENT TE = TEMPORARY ACRES	SG. FT.		
8411071	MIGUEL VALDEZ & HECTOR RAMIREZ, AS JOINT TENANTS TITLE COMMITMENT NO. MA-3588.0	0.2750	A=0.0013 B=0.0005	A=55 B=21	0.2732	TE 0.0188	818	GRADING	13-2-21-34-09-101-003

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-1	MADISON	399	220
COMPLETION DATE OF FIELD WORK PERFORMED		CONTRACT NO. 76830		
LAND SURVEY: 10-11-05		ROW STAKING: 09-17-09		
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

PART OF THE NW 14 OF SECTION 34, T3N, R8W, OF THE 3RD PM, MADISON COUNTY, ILLINOIS

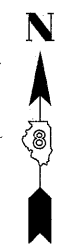
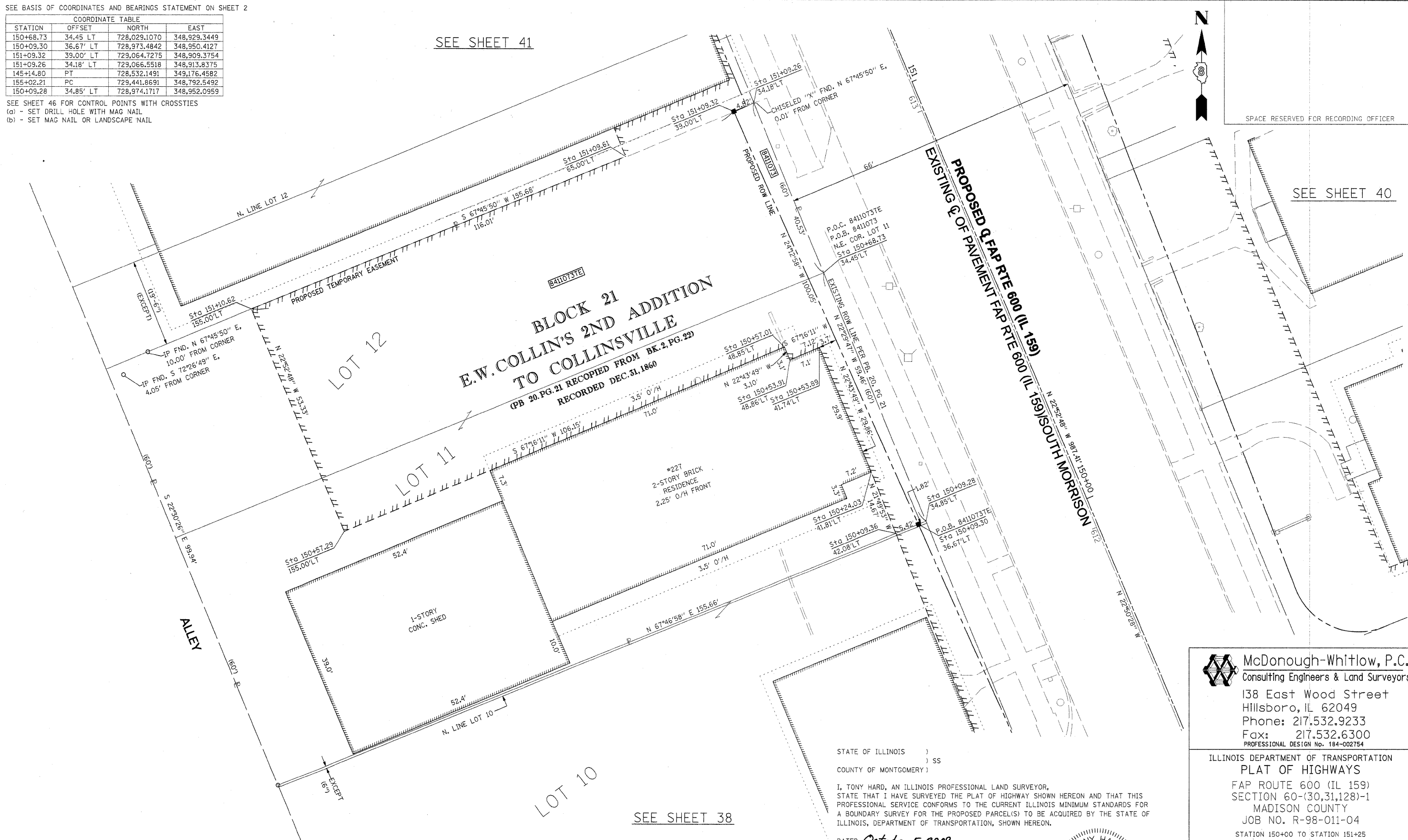
SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
150+68.73	34.45' LT	728,029.1070	348,929.3449
150+09.30	36.67' LT	728,973.4842	348,950.4127
151+09.32	39.00' LT	729,064.7275	348,909.3754
151+09.26	34.18' LT	729,066.5518	348,913.8375
145+14.80	PT	728,532.1491	349,176.4582
155+02.21	PC	729,441.8691	348,792.5492
150+09.28	34.85' LT	728,974.1717	348,952.0959

SEE SHEET 46 FOR CONTROL POINTS WITH CROSSTIES
 (a) - SET DRILL HOLE WITH MAG NAIL
 (b) - SET MAG NAIL OR LANDSCAPE NAIL

SEE SHEET 41

SEE SHEET 40



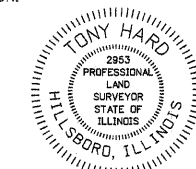
SPACE RESERVED FOR RECORDING OFFICER

**BLOCK 21
 E.W. COLLINS' 2ND ADDITION
 TO COLLINSVILLE**
 (PB 20, PG. 21 RECORDED FROM BK. 2, PG. 22)
 RECORDED DEC. 31, 1860

STATE OF ILLINOIS)
) SS
 COUNTY OF MONTGOMERY)

I, TONY HARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED October 5, 2009
Tony Hard
 TONY HARD, PLS NO. 2953



(License Expires: 11/30/10)

McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 138 East Wood Street
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 Phone: 217.532.9233
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 PROFESSIONAL DESIGN No. 184-002754

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PLAT OF HIGHWAYS
 FAP ROUTE 600 (IL 159)
 SECTION 60-(30,31,128)-1
 MADISON COUNTY
 JOB NO. R-98-011-04
 STATION 150+00 TO STATION 151+25

SCALE: 1" = 10'
 SHEET 39 OF 46

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-1	MADISON	399	221

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
 1102 EASTPORT PLAZA DRIVE
 COLLINSVILLE, ILLINOIS 62234-6198
 CONTRACT NO. 76830

* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 2

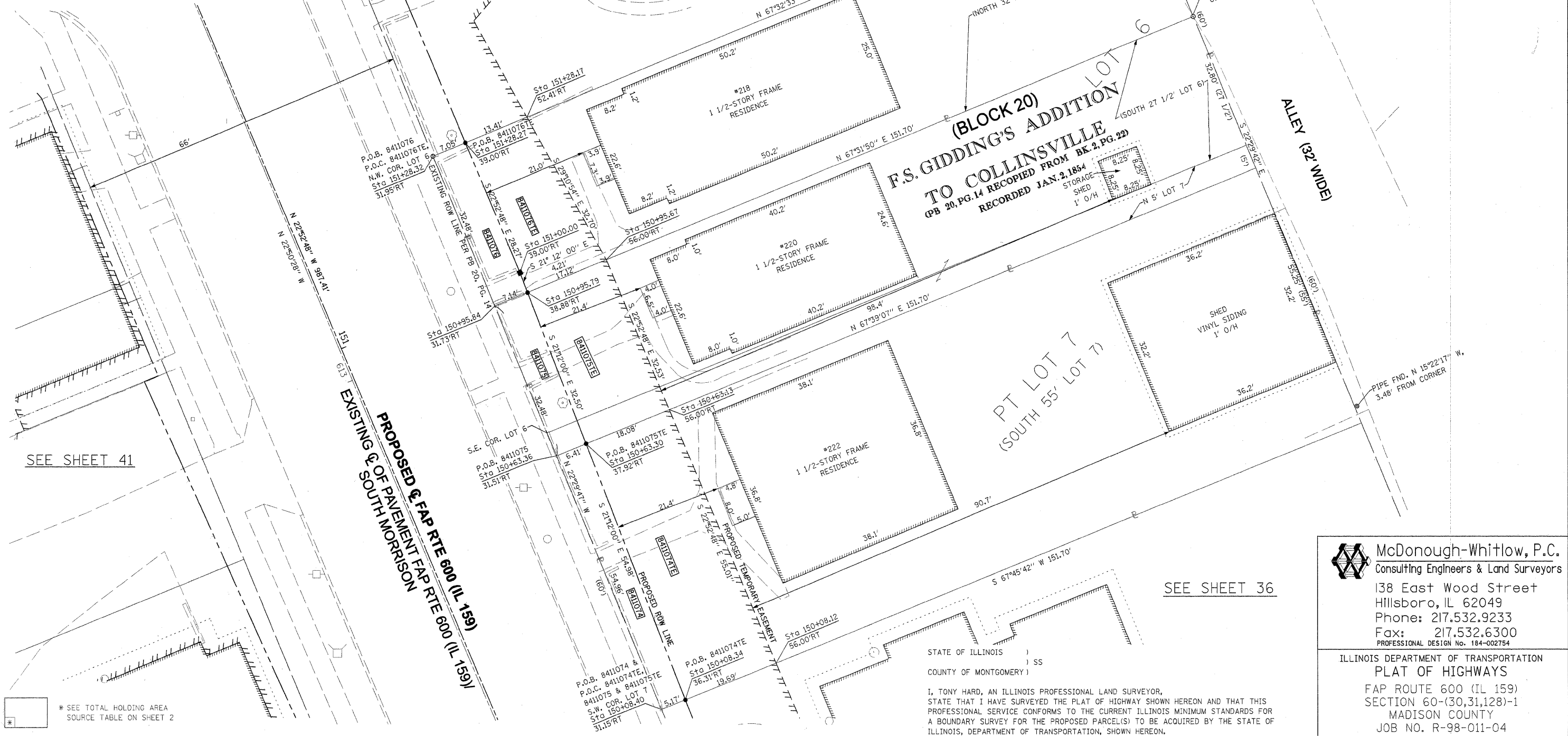
PARCEL NO.	OWNER	TOTAL HOLDING ACRES	FEE SIMPLE ACQUISITION			EASEMENTS			PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			GROSS ACRES	NET ACRES	REMAINDER ACRES	PE = PERMANENT ACRES	TE = TEMPORARY ACRES	EASEMENT PURPOSE		
8411073	FREDMAN BROS. FURNITURE COMPANY, INC. TITLE REPORT NO. MA-3589.0	0.3572	0.0076	0.0076	0.3496	0.1470	6,402	13-2-21-34-09-101-002		

PART OF THE NW 14 OF SECTION 34, T3N, R8W, OF THE 3RD PM, MADISON COUNTY, ILLINOIS

SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
150+08.40	31.15' RT	728,999.0265	349,013.2386
150+63.36	31.51' RT	729,049.8042	348,992.2094
150+63.30	37.92' RT	729,052.2413	348,998.1374
150+08.34	36.31' RT	729,000.9815	349,018.0198
150+95.84	31.73' RT	729,079.8126	348,979.7817
150+95.79	38.88' RT	729,082.5433	348,986.3840
151+28.32	31.95' RT	729,109.8210	348,967.3540
151+28.27	39.00' RT	729,112.5144	348,973.8701
151+00.00	39.00' RT	729,086.4710	348,984.8606
145+14.80	PT	728,532.1491	349,176.4582
155+02.21	PC	729,441.8691	348,762.5492

SEE SHEET 46 FOR CONTROL POINTS WITH CROSSIES
 (a) - SET DRILL HOLE WITH MAG NAIL
 (b) - SET MAG NAIL OR LANDSCAPE NAIL



PARCEL NO.	OWNER	TOTAL HOLDING ACRES	FEE SIMPLE ACQUISITION			EASEMENTS			PERMANENT TAX NUMBER	PROPERTY INJURED BY	
			GROSS ACRES	SQ. FT.	NET ACRES	SQ. FT.	REMAINDER ACRES	PE = PERMANENT ACRES			TE = TEMPORARY ACRES
8411074	RANDALL L. DOUGHERTY TITLE REPORT NO. MA-3574.0	0.1919	0.0073	318	0.0073	318	0.1846	TE 0.0238	1,038	GRADING & SIDEWALK CONSTRUCTION	13-2-21-34-09-102-023
8411075	TERRY L. EMERSON & DONNA M. EMERSON, HUSBAND AND WIFE, AS JOINT TENANTS TITLE REPORT NO. MA-3575.0	0.1137	0.0051	220	0.0051	220	0.1086	TE 0.0131	572	GRADING & SIDEWALK CONSTRUCTION	13-2-21-34-09-102-024
8411076	CHARLES R. & D. JUNE CROMEANS AS TRUSTEES OF THE CHARLES R. CROMEANS & DORIS JUNE CROMEANS LIVING TRUST ESTABLISHED ON THE 20TH DAY OF DECEMBER 1999 TITLE REPORT NO. MA-3576.0	0.1131	0.0053	232	0.0053	232	0.1078	TE 0.0113	494	GRADING & SIDEWALK CONSTRUCTION	13-2-21-34-09-102-025

STATE OF ILLINOIS)
 COUNTY OF MONTGOMERY) SS

I, TONY HARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED October 5, 2009
Tony Hard
 TONY HARD, PLS NO. 2953



(License Expires: 11/30/10)

COMPLETION DATE OF FIELD WORK PERFORMED	ROW STAKING: 09-17-09	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
LAND SURVEY: 10-11-05			

McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
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ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
 FAP ROUTE 600 (IL 159)
 SECTION 60-(30,31,128)-1
 MADISON COUNTY
 JOB NO. R-98-011-04
 STATION 150+00 TO STATION 151+50

SCALE: 1" = 10'

SHEET 40 OF 46

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
600	60-(30,31,128)-1	MADISON	399 222

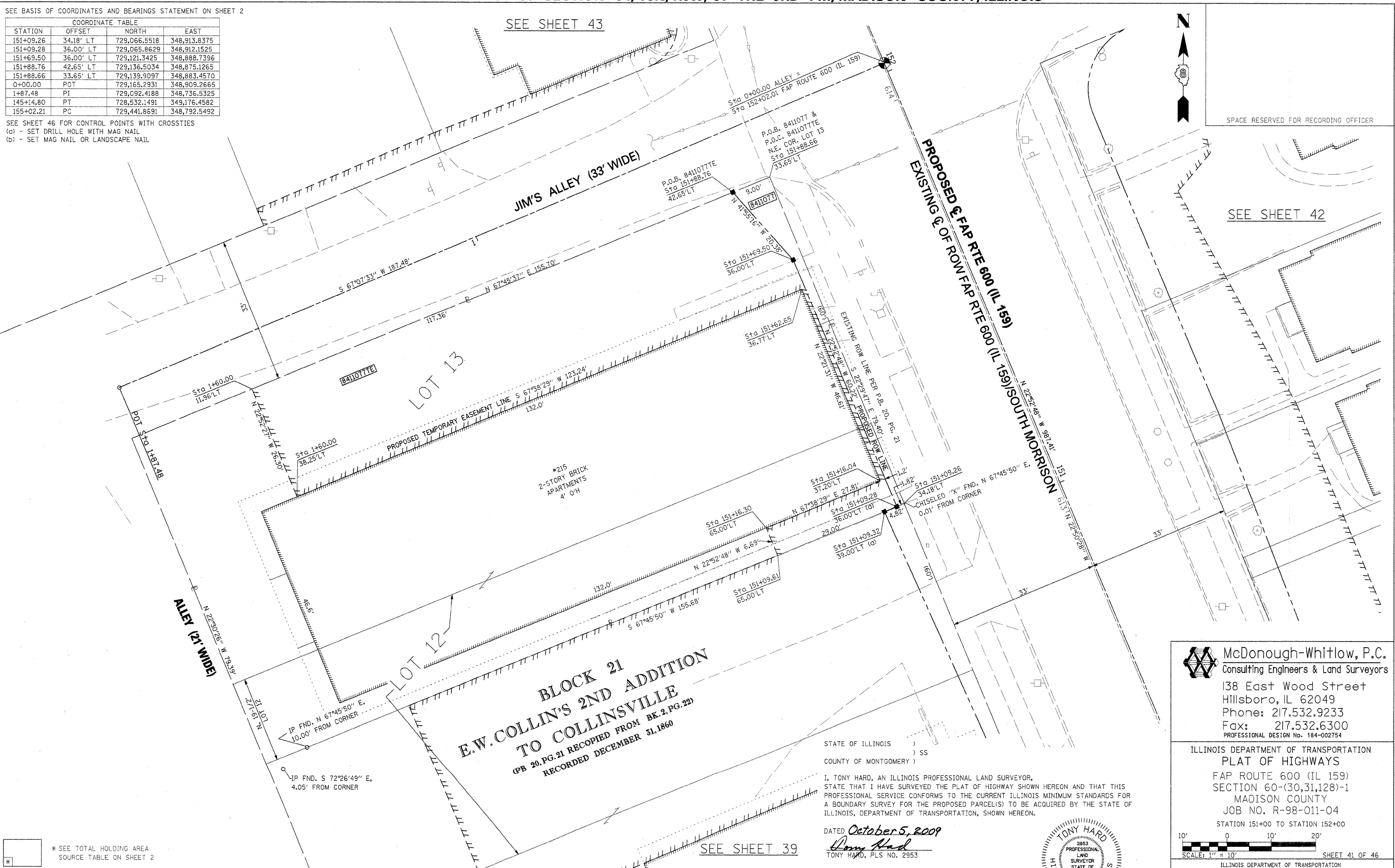
CONTRACT NO. 76830

PART OF THE NW 14 OF SECTION 34, T3N, R8W, OF THE 3RD PM, MADISON COUNTY, ILLINOIS

SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
151+09.26	34.18' LT	729,066.5518	348,913.8375
151+09.28	36.00' LT	729,065.8629	348,912.1525
151+69.50	36.00' LT	729,121.3425	348,888.7396
151+88.76	42.65' LT	729,136.5034	348,875.1265
151+88.66	33.65' LT	729,139.9097	348,883.4570
0+00.00	POT	729,165.2931	348,909.2665
1+87.48	PI	729,092.4188	348,736.5325
145+14.80	PT	728,532.1491	349,176.4582
155+02.21	PC	729,441.8691	348,792.5492

SEE SHEET 46 FOR CONTROL POINTS WITH CROSSTIES
 (a) - SET DRILL HOLE WITH MAG NAIL
 (b) - SET MAG NAIL OR LANDSCAPE NAIL



SPACE RESERVED FOR RECORDING OFFICER

SEE SHEET 42

SEE SHEET 43

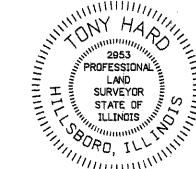
SEE SHEET 39

**BLOCK 21
 E.W. COLLINS' 2ND ADDITION
 TO COLLINSVILLE**
 (PB 20, PG. 21 RECORDED FROM BK. 2, PG. 22)
 RECORDED DECEMBER 31, 1860

STATE OF ILLINOIS)
) SS
 COUNTY OF MONTGOMERY)

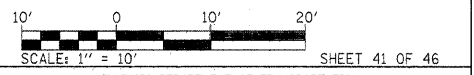
I, TONY HARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED October 5, 2009
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 TONY HARD, PLS NO. 2953



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 Phone: 217.532.9233
 Fax: 217.532.6300
 PROFESSIONAL DESIGN NO. 184-002754

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PLAT OF HIGHWAYS
 FAP ROUTE 600 (IL 159)
 SECTION 60-(30,31,128)-1
 MADISON COUNTY
 JOB NO. R-98-011-04
 STATION 151+00 TO STATION 152+00



ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
 1102 EASTPORT PLAZA DRIVE
 COLLINSVILLE, ILLINOIS 62234-6198

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-1	MADISON	399	223

CONTRACT NO. 76830

COMPLETION DATE OF FIELD WORK PERFORMED	
LAND SURVEY: 10-11-05	ROW STAKING: 09-17-09

* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 2

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	GROSS		FEE SIMPLE ACQUISITION		NET		REMAINDER	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			ACRES	SQ. FT.	PREVIOUSLY DEDICATED	AND/OR USED	ACRES	SQ. FT.		PE = PERMANENT	TE = TEMPORARY		
8411077	LOZALIVING, L.L.C., A MISSOURI LIMITED LIABILITY COMPANY TITLE REPORT NO. MA-3590.0	0.2838	0.0053	229	0	0	0.0053	229	0.2785	TE 0.0786	3,422	13-2-21-34-09-101-001	GRADING, SIDEWALK AND PARKING LOT CONSTRUCTION

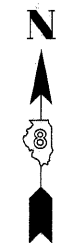
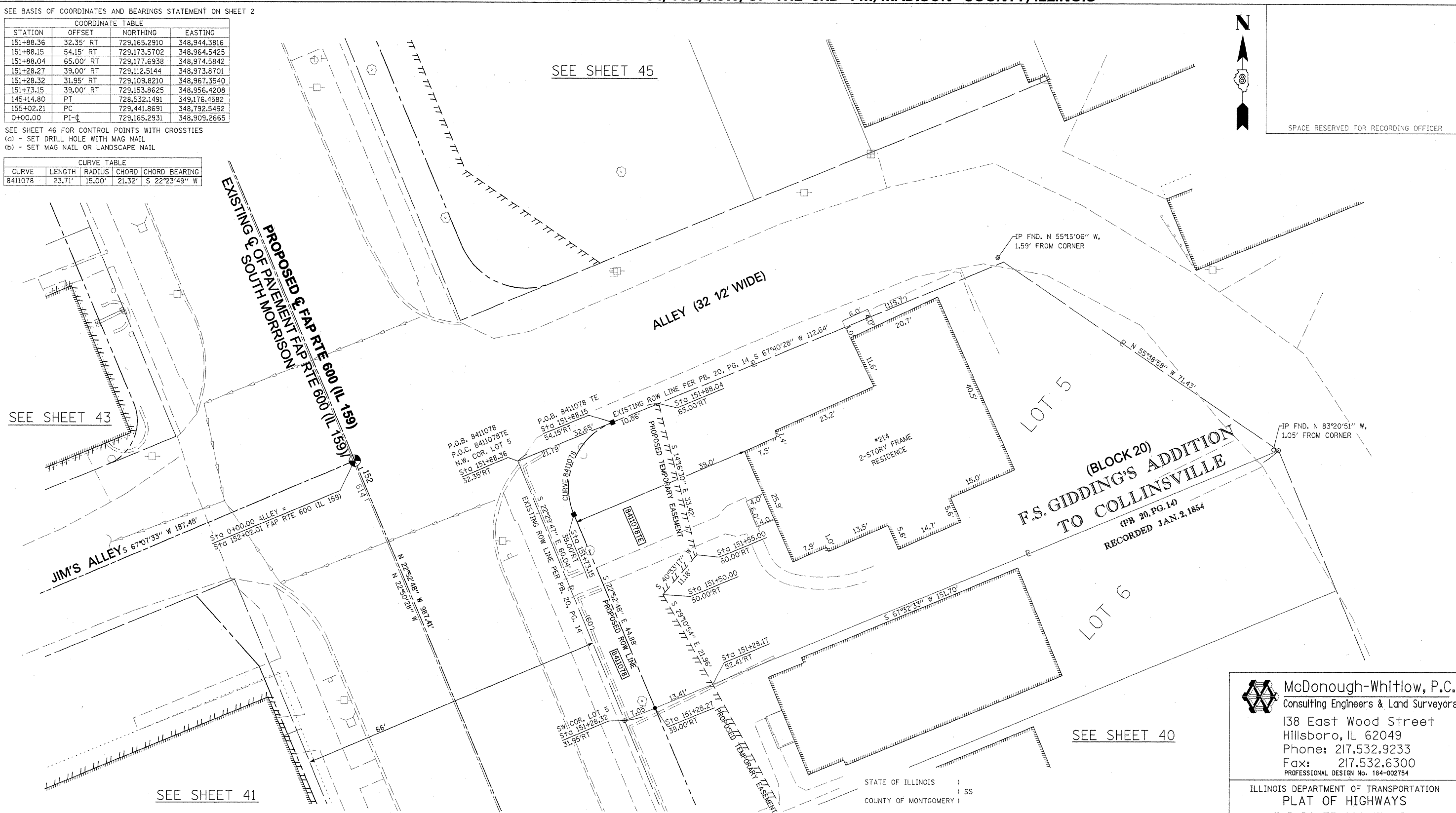
PART OF THE NW 14 OF SECTION 34, T3N, R8W, OF THE 3RD PM, MADISON COUNTY, ILLINOIS

SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

COORDINATE TABLE			
STATION	OFFSET	NORTHING	EASTING
151+88.36	32.35' RT	729,165.2910	348,944.3816
151+88.15	54.15' RT	729,173.5702	348,964.5425
151+88.04	65.00' RT	729,177.6938	348,974.5842
151+28.27	39.00' RT	729,112.5144	348,973.8701
151+28.32	31.95' RT	729,109.8210	348,967.3540
151+73.15	39.00' RT	729,153.8625	348,956.4208
145+14.80	PT	728,532.1491	349,176.4582
155+02.21	PC	729,441.8691	348,792.5492
0+00.00	PI	729,165.2931	348,909.2665

SEE SHEET 46 FOR CONTROL POINTS WITH CROSSTIES
 (a) - SET DRILL HOLE WITH MAG NAIL
 (b) - SET MAG NAIL OR LANDSCAPE NAIL

CURVE TABLE				
CURVE	LENGTH	RADIUS	CHORD	CHORD BEARING
8411078	23.71'	15.00'	21.32'	S 22°23'49" W



SPACE RESERVED FOR RECORDING OFFICER

SEE SHEET 43

SEE SHEET 45

SEE SHEET 40

SEE SHEET 41

* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 2

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	FEE SIMPLE ACQUISITION		REMAINDER ACRES	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			GROSS ACRES	SQ. FT.		PE = PERMANENT ACRES	TE = TEMPORARY SQ. FT.		
8411078	LEE G. SORENSON & MARY C. SORENSON, HUSBAND AND WIFE, AS JOINT TENANTS TITLE REPORT NO. MA-3591.0	0.1817	0.0106	461	0.1711	TE 0.0247	1,076	13-2-21-34-05-103-004	

STATE OF ILLINOIS)
 COUNTY OF MONTGOMERY)

I, TONY HARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED October 5, 2009
Tony Hard
 TONY HARD, PLS. NO. 2953



(License Expires: 11/30/10)

COMPLETION DATE OF FIELD WORK PERFORMED
 LAND SURVEY: 10-11-05 ROW STAKING: 09-17-09

McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 138 East Wood Street
 Hillsgrove, IL 62049
 Phone: 217.532.9233
 Fax: 217.532.6300
 PROFESSIONAL DESIGN NO. 184-002754

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
 FAP ROUTE 600 (IL 159)
 SECTION 60-(30,31,128)-1
 MADISON COUNTY
 JOB NO. R-98-011-04
 STATION 151+25 TO STATION 152+00

SCALE: 1" = 10'

SHEET 42 OF 46

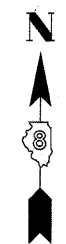
ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
 1102 EASTPORT PLAZA DRIVE
 COLLINSVILLE, ILLINOIS 62234-6198

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	NO.
600	60-(30,31,128)-1	MADISON	397	224

CONTRACT NO. 76830

FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT

PART OF THE NW 14 OF SECTION 34, T3N, R8W, OF THE 3RD PM, MADISON COUNTY, ILLINOIS



SPACE RESERVED FOR RECORDING OFFICER

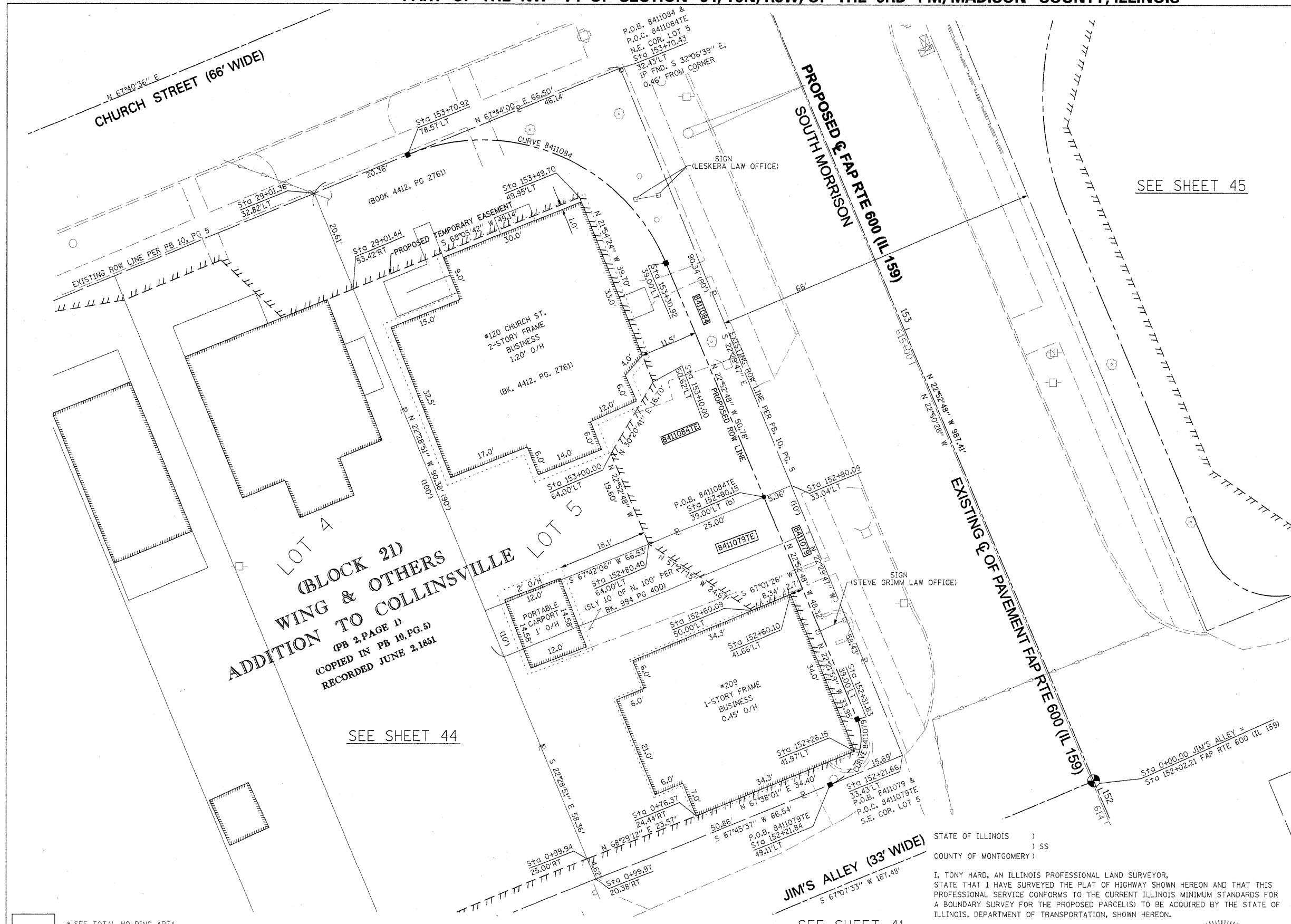
SEE SHEET 45

SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
152+21.84	49.11' LT	729,164.4620	348,856.3113
152+21.66	33.43' LT	729,170.3988	348,870.8302
152+31.83	39.00' LT	729,177.6007	348,861.7420
152+80.15	39.00' LT	729,222.1191	348,842.9549
152+80.09	33.04' LT	729,224.3822	348,848.4734
153+30.92	39.00' LT	729,268.8994	348,823.2132
153+70.43	32.43' LT	729,307.8495	348,813.9062
153+70.92	78.57' LT	729,290.3650	348,771.2036
145+14.80	PT	728,532.1491	349,176.4582
155+02.21	PC	729,441.8691	348,792.5492
0+00.00	POT	729,165.2931	348,909.2665
1+87.48	PI	729,092.4188	348,736.5325
27+00.00	PI	729,236.5143	348,553.6063
30+00.00	POT	729,350.4646	348,831.1226

SEE SHEET 46 FOR CONTROL POINTS WITH CROSSTIES
 (a) - SET DRILL HOLE WITH MAG NAIL
 (b) - SET MAG NAIL OR LANDSCAPE NAIL

CURVE TABLE				
CURVE	LENGTH	RADIUS	CHORD	CHORD BEARING
8411079	15.81'	10.00'	14.22'	N 22°27'25" E
8411084	62.40'	40.00'	56.27'	N 67°34'23" W



LOT 4
 (BLOCK 21)
 WING & OTHERS
 ADDITION TO COLLINSVILLE
 (PB 2, PAGE 1)
 (COPIED IN PB 10, PG. 5)
 RECORDED JUNE 2, 1881

SEE SHEET 44

SEE SHEET 41

STATE OF ILLINOIS)
) SS
 COUNTY OF MONTGOMERY)

I, TONY HARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED October 5, 2009
Tony Hard
 TONY HARD, PLS NO. 2953



(License Expires: 11/30/10)

McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 138 East Wood Street
 Hillsboro, IL 62049
 Phone: 217.532.9233
 Fax: 217.532.6300
 PROFESSIONAL DESIGN NO. 184-002754

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PLAT OF HIGHWAYS
 FAP ROUTE 600 (IL 159)
 SECTION 60-(30,31,128)-1
 MADISON COUNTY
 JOB NO. R-98-011-04
 STATION 152+00 TO STATION 153+75

SCALE: 1" = 10'
 SHEET 43 OF 46

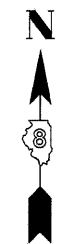
ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
 1102 EASTPORT PLAZA DRIVE
 COLLINSVILLE, ILLINOIS 62234-6188

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-1	MADISON	399	225

COMPLETION DATE OF FIELD WORK PERFORMED
 LAND SURVEY: 10-11-05 ROW STAKING: 09-17-09 CONTRACT NO. 76830
 FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT

* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 2

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	FEE SIMPLE ACQUISITION				REMAINDER ACRES	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			GROSS ACRES	SQ. FT.	NET ACRES	SQ. FT.		PE = PERMANENT TE = TEMPORARY	EASEMENT PURPOSE		
8411079	STEVEN D. GRIMM TITLE REPORT NO. MA-3836.0	0.0892	0.0082	359	0.0082	359	0.0810	TE 0.0162	704	13-2-21-34-05-103-003	
8411084	JOHN H. LESKERA TITLE COMMITMENT NO. MA-3596.0	0.1380	0.0207	901	0.0207	901	0.1173	TE 0.0468	2,036	13-2-21-34-05-103-002	



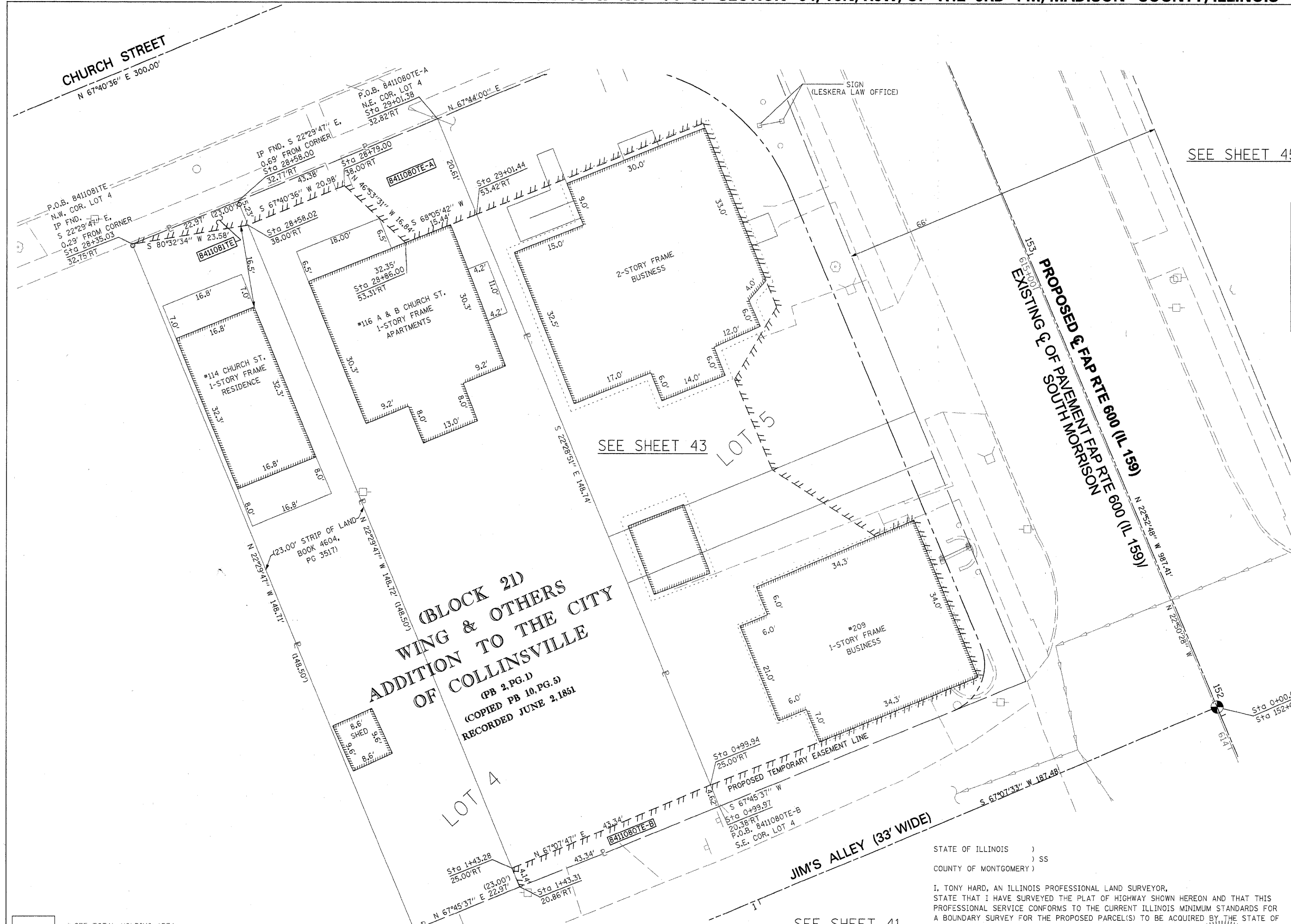
SPACE RESERVED FOR RECORDING OFFICER

SEE SHEET 45

SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
0+00.00	POT	729,165.2931	348,909.2665
1+87.48	PI	729,092.4188	348,736.5325
145+14.80	PT	728,532.1491	349,176.4582
155+02.21	PC	729,441.8691	348,792.5492
27+00.00	PI	729,263.5143	348,553.6063
30+00.00	POT	729,350.4646	348,831.1226
0+99.97	20.38' RT	729,145.2131	348,809.2363
1+43.31	20.86' RT	729,128.8098	348,769.1204
28+35.03	32.75' RT	729,257.5093	348,690.9599
28+58.00	32.77' RT	729,266.2127	348,712.2162
29+01.38	32.82' RT	729,282.6502	348,752.3616

SEE SHEET 46 FOR CONTROL POINTS WITH CROSSIES
 (a) - SET DRILL HOLE WITH MAG NAIL
 (b) - SET MAG NAIL OR LANDSCAPE NAIL



**(BLOCK 2D)
 WING & OTHERS
 ADDITION TO THE CITY
 OF COLLINSVILLE**
 (PB 2, PG. 1)
 (COPIED PB 10, PG. 5)
 RECORDED JUNE 2, 1851

* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 2

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	FEE SIMPLE ACQUISITION		REMAINDER ACRES	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			ACRES	SQ. FT.		PE = PERMANENT TE = TEMPORARY	EASEMENT PURPOSE		
8411080	THOMAS J. BINGHAM JR. & LORA LEE BINGHAM, HIS WIFE, AS JOINT TENANTS TITLE REPORT NO. MA-4133.0	0.1480	0	0	0.1480	TE-A 0.0118 TE-B 0.0044	TE-A & TE-B GRADING, SIDEWALK & ENTRANCE CONSTRUCTION	13-2-21-34-05-103-001	
8411081	AMY BACON AS SOLE OWNER TITLE REPORT NO. MA-4134.0	0.0784	0	0	0.0784	TE 0.0014	GRADING	13-2-21-34-05-103-001.001	

STATE OF ILLINOIS)
) SS
 COUNTY OF MONTGOMERY)

I, TONY HARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED October 5, 2009
Tony Hard
 TONY HARD, PLS NO. 2953



(License Expires: 11/30/10)

COMPLETION DATE OF FIELD WORK PERFORMED	LAND SURVEY: 10-11-05	ROW STAKING: 09-17-09
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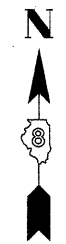
McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 138 East Wood Street
 Hillsboro, IL 62049
 Phone: 217.532.9233
 Fax: 217.532.6300
 PROFESSIONAL DESIGN NO. 184-002754

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PLAT OF HIGHWAYS
 FAP ROUTE 600 (IL 159)
 SECTION 60-(30,31,128)-1
 MADISON COUNTY
 JOB NO. R-98-011-04

STATION 28+25 TO STATION 29+25 (CHURCH ST.)
 SCALE: 1" = 10'
 SHEET 44 OF 46

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-1	MADISON	399	226
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 76830	

PART OF THE NW 14 OF SECTION 34, T3N, R8W, OF THE 3RD PM, MADISON COUNTY, ILLINOIS



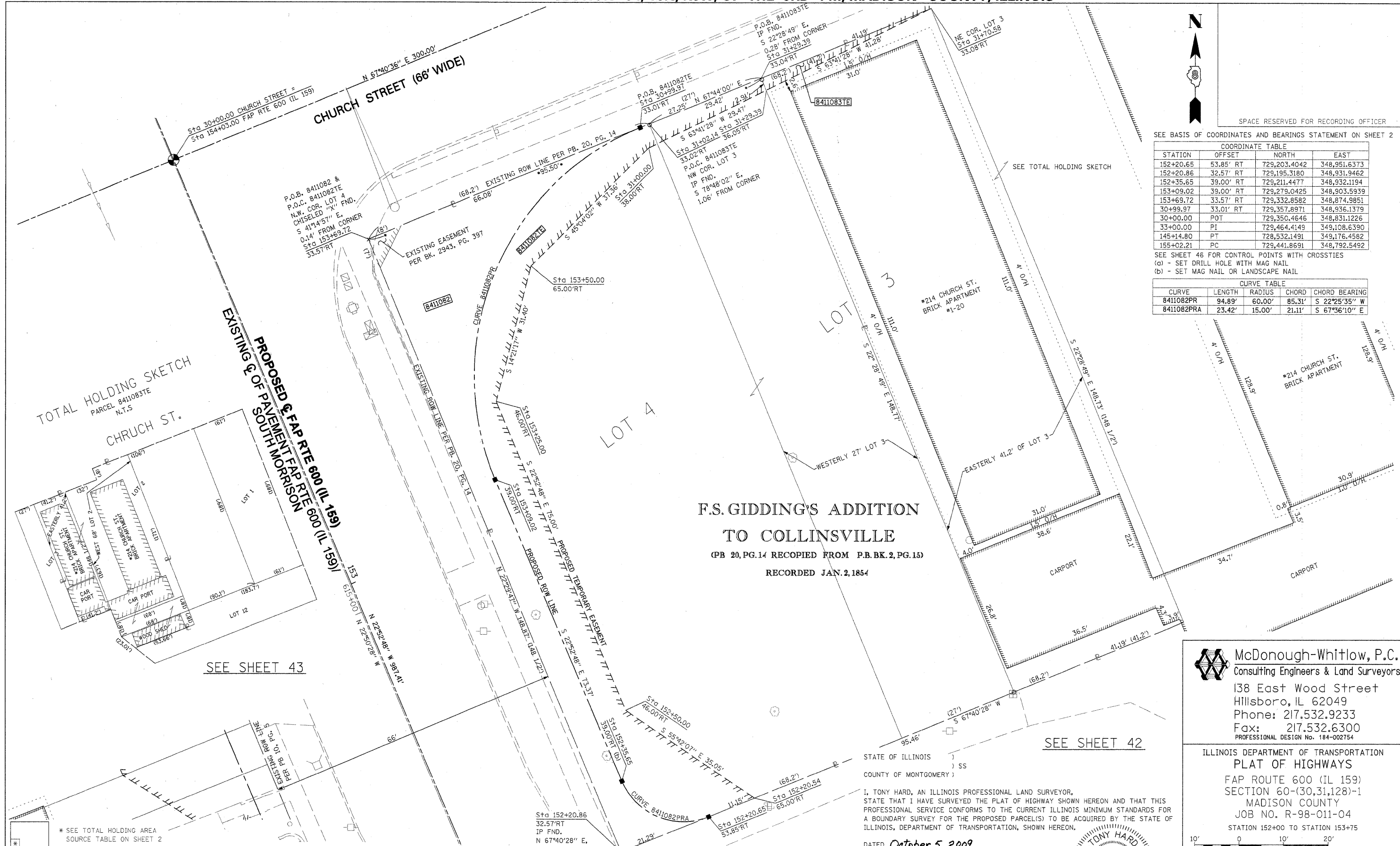
SPACE RESERVED FOR RECORDING OFFICER

SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

STATION	OFFSET	COORDINATE TABLE	
		NORTH	EAST
152+20.65	53.85' RT	729,203.4042	348,951.6373
152+20.86	32.57' RT	729,195.3180	348,931.9462
152+35.65	39.00' RT	729,211.4477	348,932.1194
153+09.02	39.00' RT	729,279.0425	348,903.5939
153+69.72	33.57' RT	729,332.8582	348,874.9851
30+99.97	33.01' RT	729,357.8971	348,936.1379
30+00.00	POT	729,350.4646	348,831.1226
33+00.00	PI	729,464.4149	349,108.6390
145+14.80	PT	728,532.1491	349,176.4582
155+02.21	PC	729,441.8691	348,792.5492

SEE SHEET 46 FOR CONTROL POINTS WITH CROSSTIES
 (a) - SET DRILL HOLE WITH MAG NAIL
 (b) - SET MAG NAIL OR LANDSCAPE NAIL

CURVE	LENGTH	RADIUS	CHORD	CHORD BEARING
8411082PRA	94.89'	60.00'	85.31'	S 22°25'35" W
8411082PRA	23.42'	15.00'	21.11'	S 67°36'10" E



F.S. GIDDING'S ADDITION
 TO COLLINSVILLE
 (PB 20, PG. 14 RECOPIED FROM P.B. BK. 2, PG. 15)
 RECORDED JAN. 2, 1854

McDonough-Whitlow, P.C.
 Consulting Engineers & Land Surveyors
 138 East Wood Street
 Hillsboro, IL 62049
 Phone: 217.532.9233
 Fax: 217.532.6300
 PROFESSIONAL DESIGN NO. 184-002754

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PLAT OF HIGHWAYS
 FAP ROUTE 600 (IL 159)
 SECTION 60-(30,31,128)-1
 MADISON COUNTY
 JOB NO. R-98-011-04
 STATION 152+00 TO STATION 153+75

SCALE: 1" = 10'

SHEET 45 OF 46

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
 1102 EASTPORT PLAZA DRIVE
 COLLINSVILLE, ILLINOIS 62234-6198

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-1	MADISON	399	227

COMPLETION DATE OF FIELD WORK PERFORMED
 LAND SURVEY: 10-11-05 ROW STAKING: 09-17-09

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

STATE OF ILLINOIS)
) SS
 COUNTY OF MONTGOMERY)

I, TONY HARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

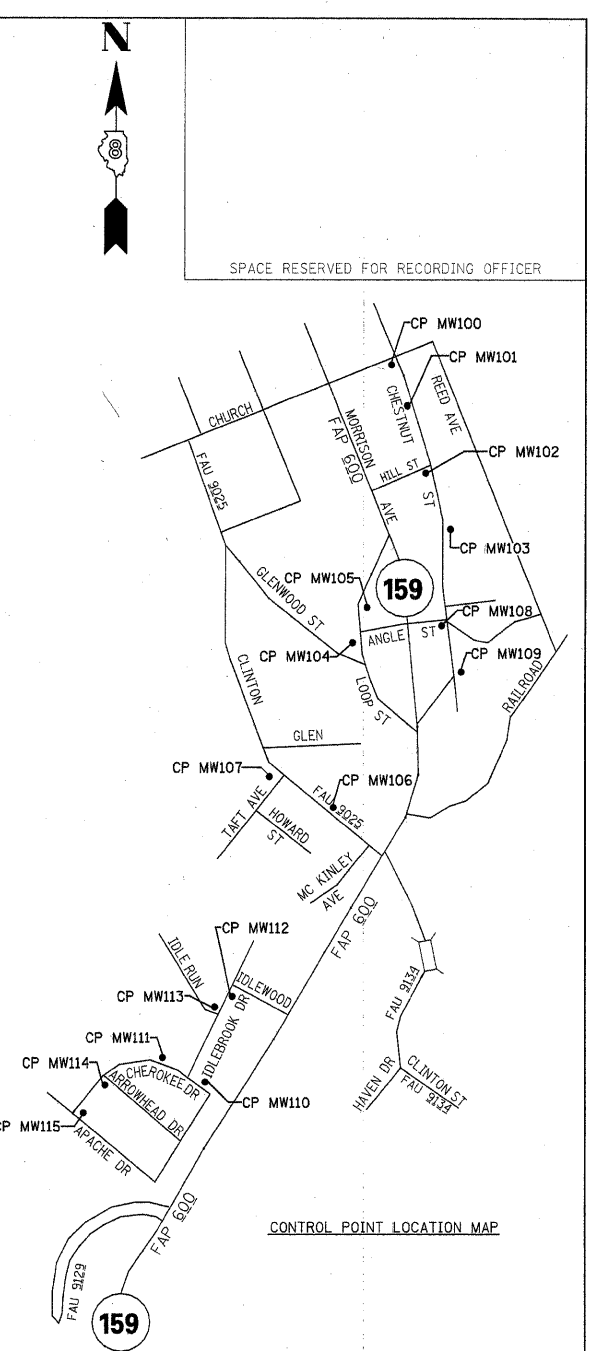
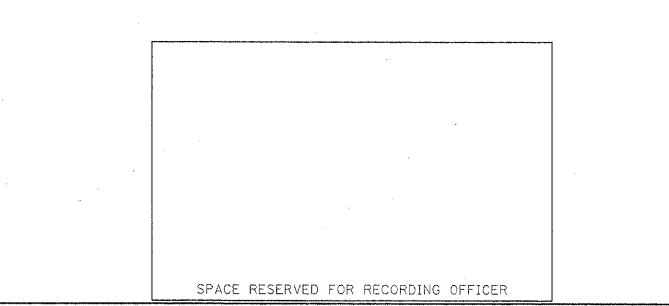
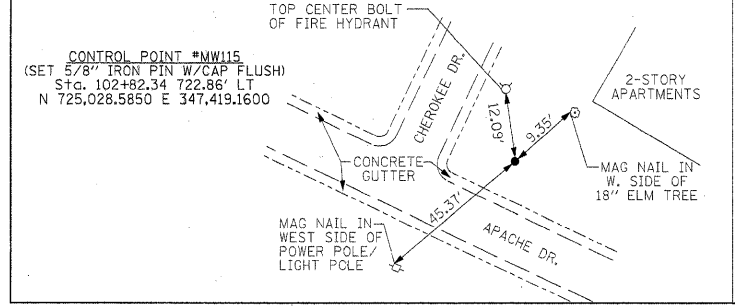
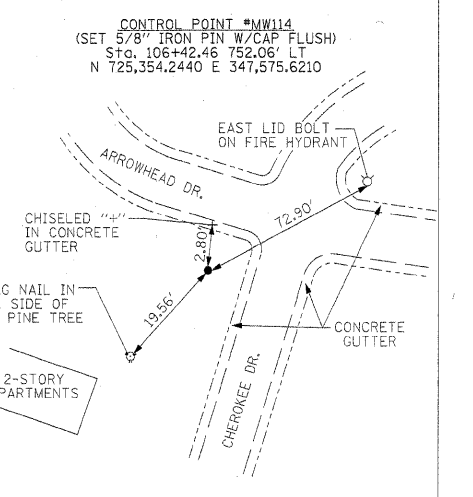
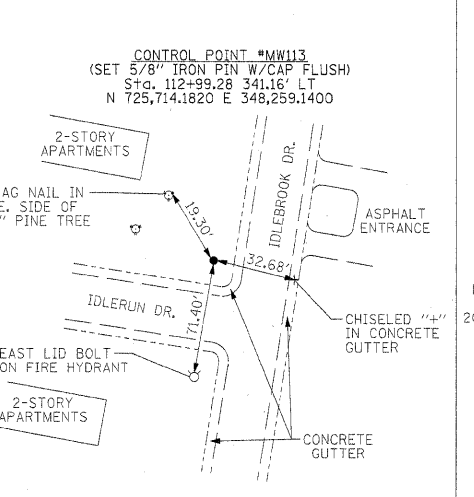
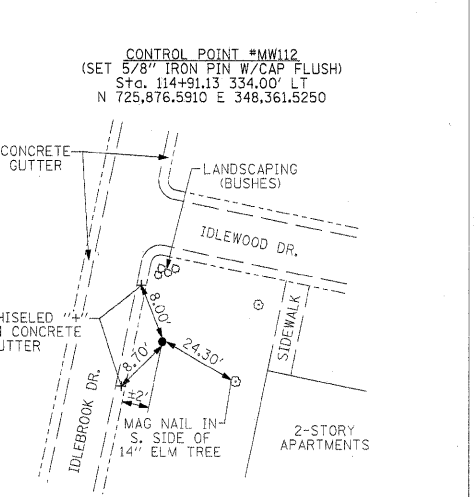
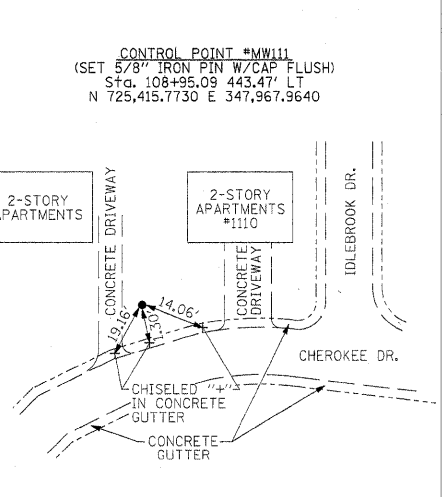
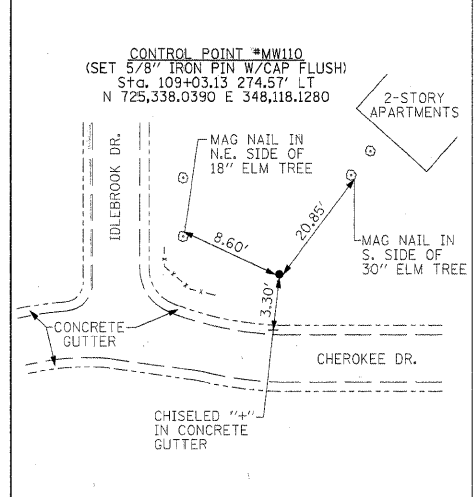
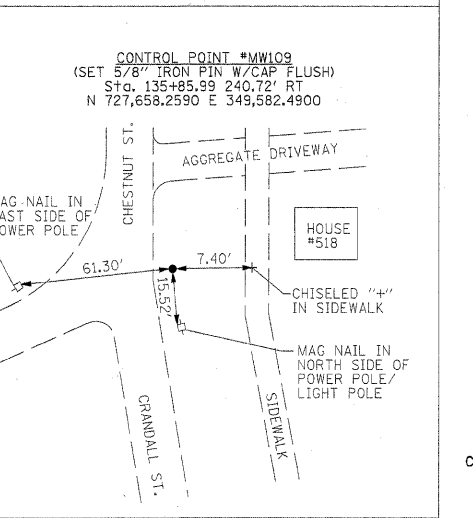
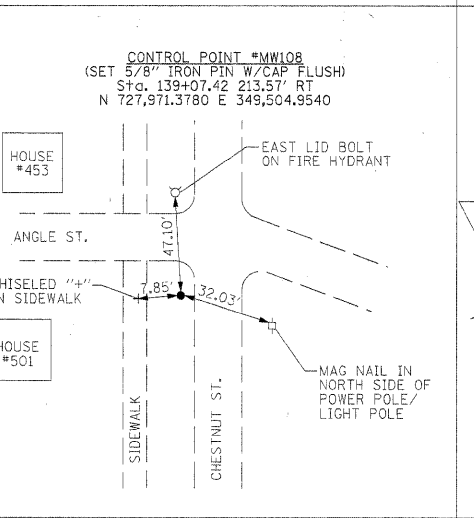
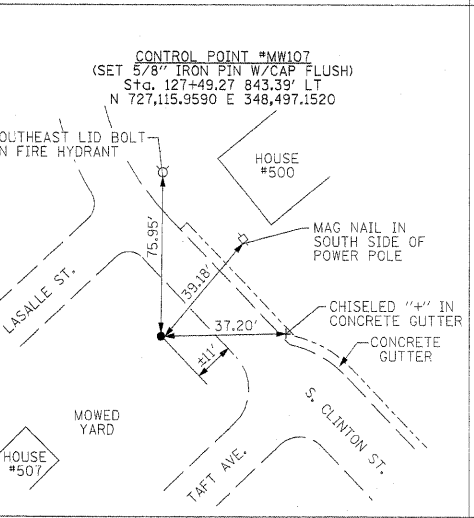
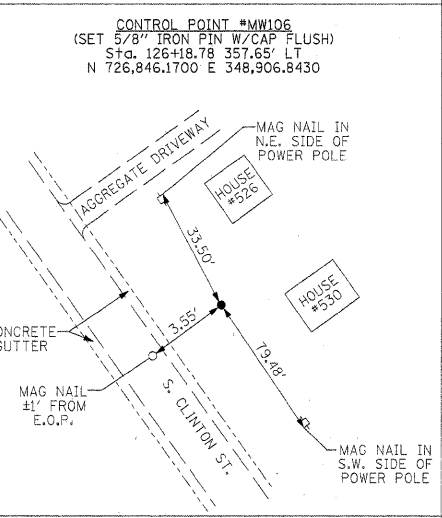
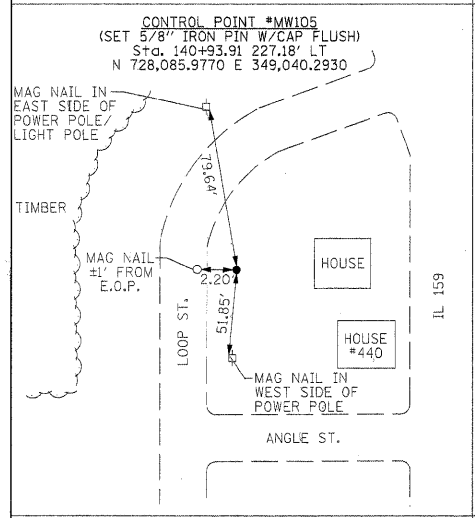
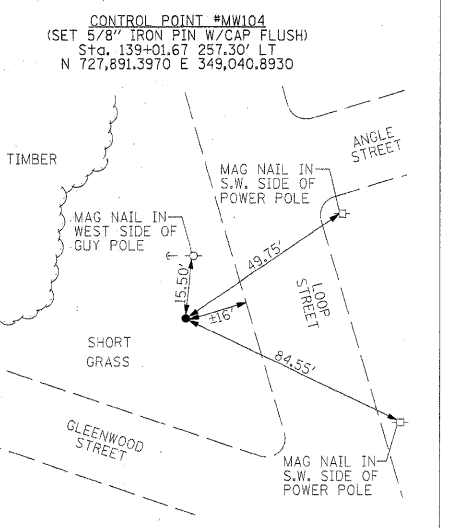
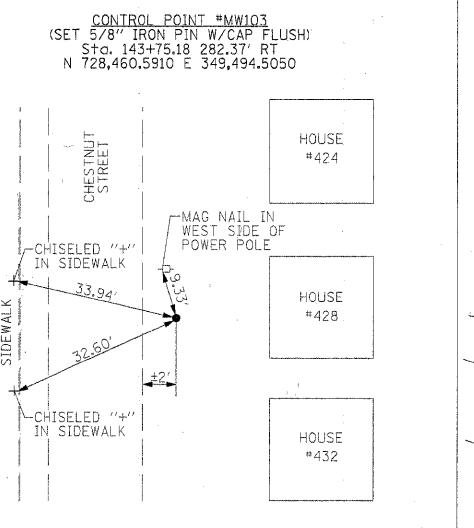
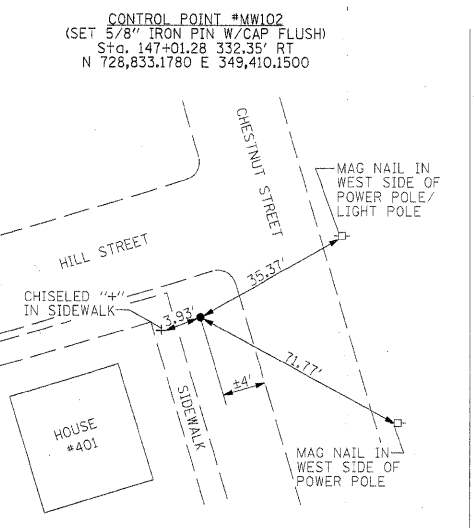
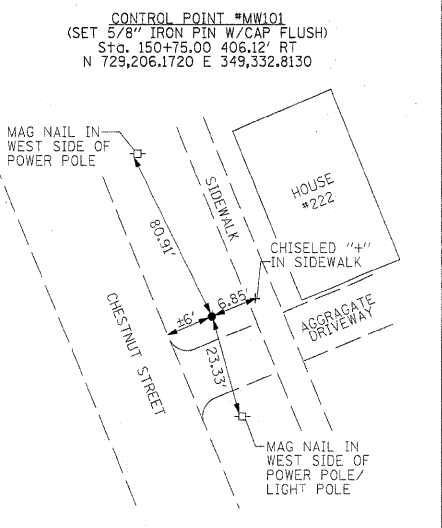
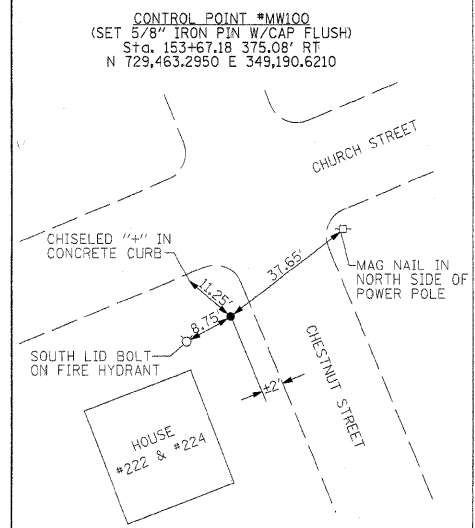
DATED October 5, 2009
Tony Hard
 TONY HARD, PLS. NO. 2953



PARCEL NO.	OWNER	TOTAL HOLDING ACRES	FEE SIMPLE ACQUISITION				REMAINDER ACRES	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			GROSS ACRES	SQ. FT.	NET ACRES	SQ. FT.		PE = PERMANENT ACRES	TE = TEMPORARY ACRES		
8411082	FIRST UNITED PRESBYTERIAN CHURCH OF COLLINSVILLE TITLE REPORT NO. MA-3592.0	0.3262	0.0395	1,627	0.0395	1,627	0.2867	TE 0.0374	1,627	13-2-21-34-05-103-006 13-2-21-34-05-103-007	
8411083	GEORGE E. OSBORN, JR. TRUSTEE OF THE GEORGE E. OSBORN, JR. SELF DECLARATION OF TRUST, DATED FEBRUARY 5, 1997 TITLE REPORT NO. MA-4168.0	0.4551	0	0	0	0	0.4551	TE 0.0014	60	13-2-21-34-05-103-008	

CONTROL POINT CROSS TIES

N.T.S.



McDonough-Whitlow, P.C.
Consulting Engineers & Land Surveyors
138 East Wood Street
Hillsboro, IL 62049
Phone: 217.532.9233
Fax: 217.532.6300
PROFESSIONAL DESIGN No. 184-002754

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAP ROUTE 600 (IL 159)
SECTION 60-(30,31,128)-1
MADISON/ST. CLAIR COUNTIES
JOB NO. R-98-011-04
CONTROL POINTS - CROSSTIES

SHEET 46 OF 46

ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8 1102 EASTPORT PLAZA DRIVE COLLINGSVILLE, ILLINOIS 62234-6198				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-1	MADISON	399	228
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 76830	

STATE OF ILLINOIS)
COUNTY OF MONTGOMERY) SS

I, TONY HARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED October 5, 2009
Tony Hard
TONY HARD, PLS NO. 2953



(License Expires: 11/30/10)

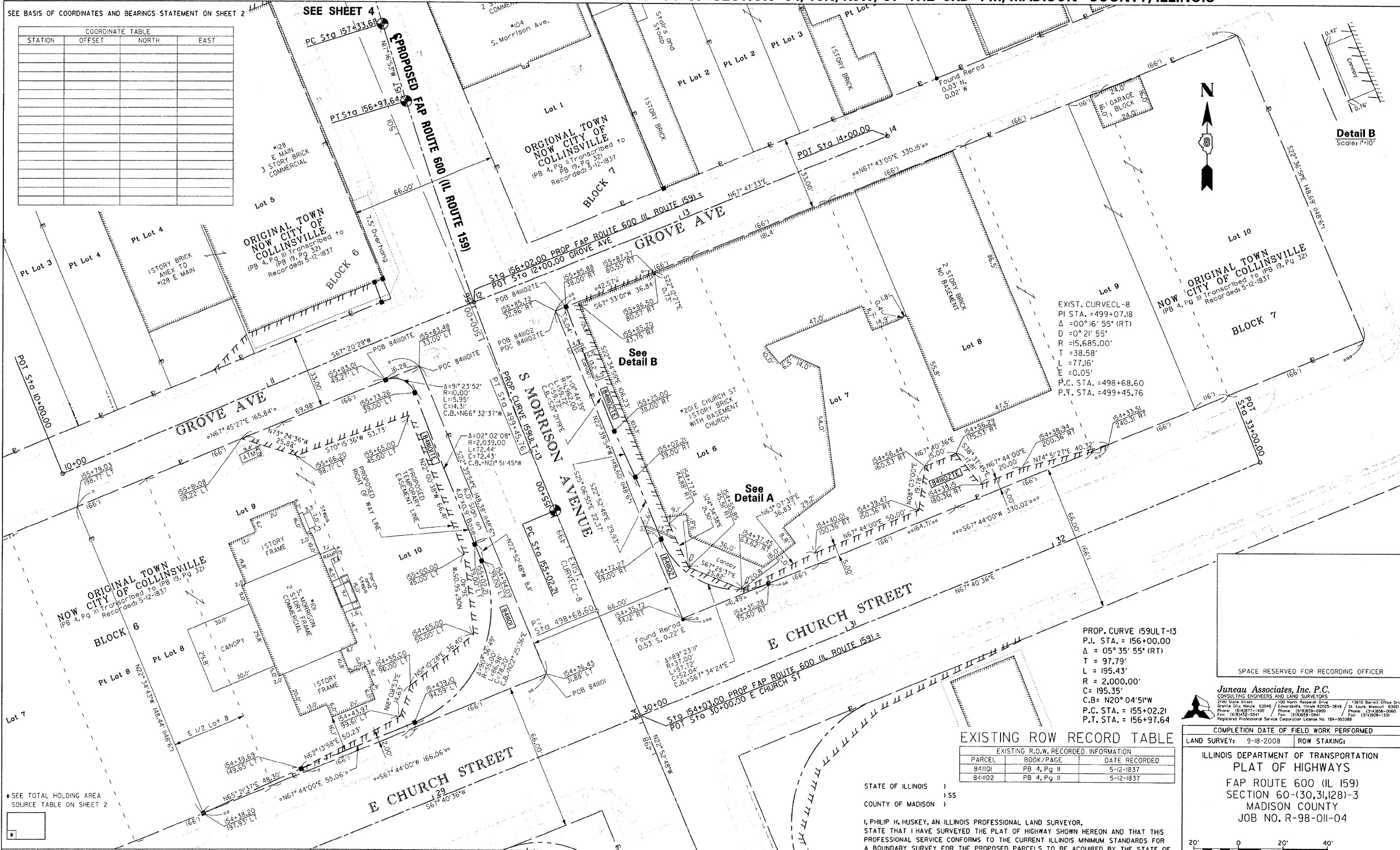
SPACE RESERVED FOR RECORDING OFFICER

PART OF THE NE 1/4 OF SECTION 33 AND PART OF THE NW 1/4 OF SECTION 34, T3N, R8W, OF THE 3RD PM, MADISON COUNTY, ILLINOIS

SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

SEE SHEET 4

STATION	OFFSET	NORTH	EAST



See Detail B

See Detail A

Detail B
Scale: 1"=10'



EXISTING ROW RECORD TABLE

PARCEL	BOOK/PAGE	DATE RECORDED
841101	PB 4, Pg II	5-12-1837
841102	PB 4, Pg II	5-12-1837

STATE OF ILLINOIS)
COUNTY OF MADISON)

I, PHILIP H. HUSKEY, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCELS TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED _____ PRINTED _____
2008

PHILIP H. HUSKEY, PLS NO. 2659
LICENSE EXPIRATION DATE: 11/30/2010



* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 2

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	FEE SIMPLE ACQUISITION		REMAINDER ACRES	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			GROSS ACRES	SQ. FT.		PERMANENT ACRES	TEMPORARY ACRES		
841101	The Bank of Edwardsville, Edwardsville, Illinois, an Illinois Banking Corporation MA-36110	Bk 3595, Pg 1629 0.5654	0.0461	2,010	0.5193	TE=0.0614 TE=2,676	Entrance Construction and Grading	13-2-21-33-08-204-026	
841102	First United Presbyterian Church of Collinsville, a Religious Corp. MA-3593.0	Bk 2996, Pg 919 1.263	0.0217	947	1.105	TE=0.0460 TE=2,005	Entrance Construction and Grading	13-2-21-34-05-102-024	

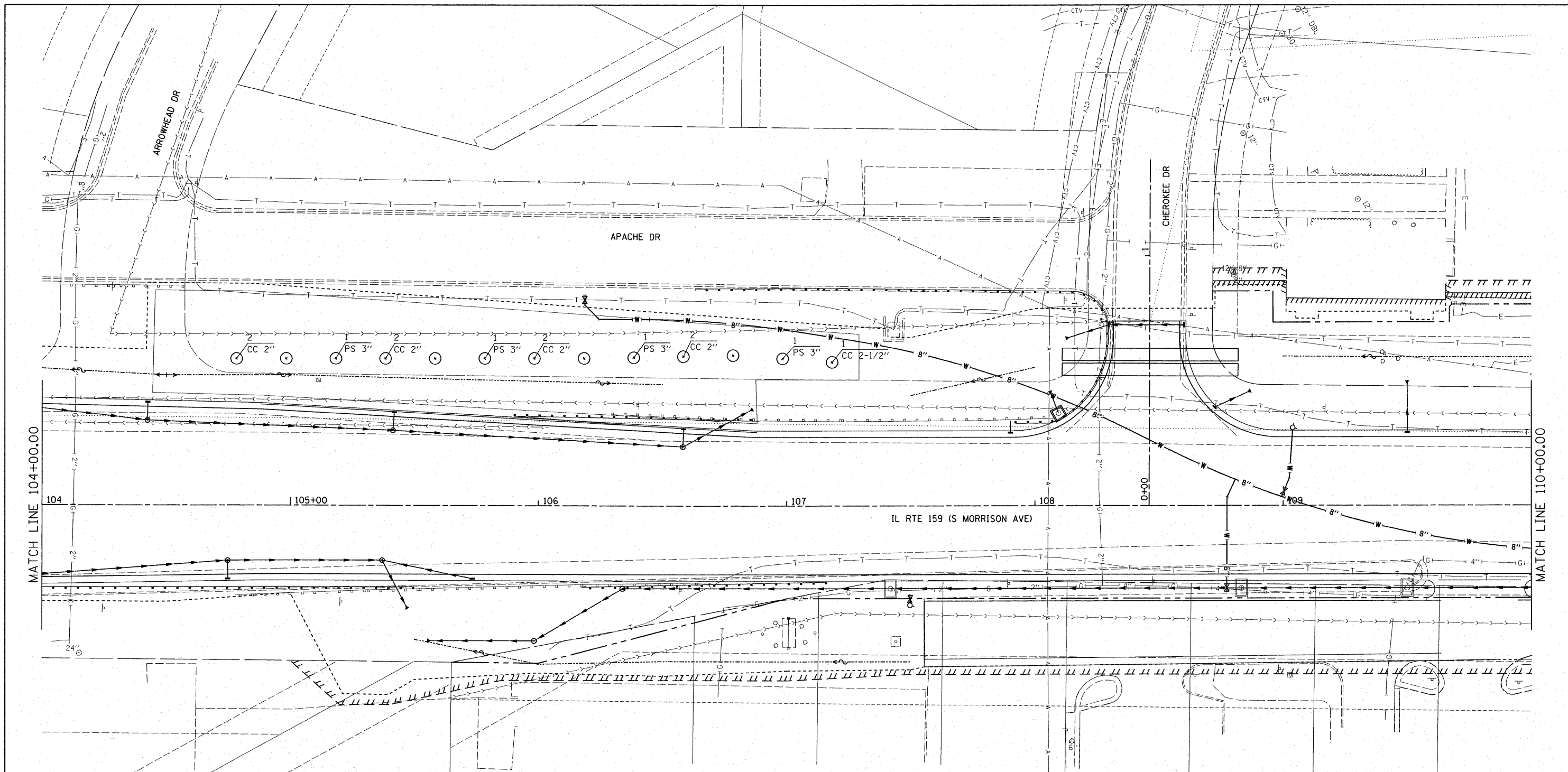
Juneau Associates, Inc. P.C.
CONSULTING ENGINEERS AND LAND SURVEYORS
2100 State Street, Granite City, Illinois 62040
Phone: (618) 977-1100 Fax: (618) 977-1100
100 North Research Drive, Granite City, Illinois 62040
Phone: (618) 977-1100 Fax: (618) 977-1100
13610 Barrill Office Drive, St. Louis, Missouri 63021
Phone: (314) 826-0060 Fax: (314) 826-0060
Registered Professional Service Corporation License No. 184-003389

COMPLETION DATE OF FIELD WORK PERFORMED	
LAND SURVEY:	9-18-2008
ROW STAKING:	

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
110 EASTPORT PLAZA DRIVE
COLLINSVILLE, ILLINOIS 62234-6198
FAP ROUTE 600 (IL 159)
SECTION 60-(30,31,28)-3
MADISON COUNTY
JOB NO. R-98-011-04

SCALE: 1" = 20' SHEET 3 OF

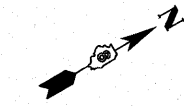
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,28)-3	MADISON	399	228A
CONTRACT NO. 76B86				



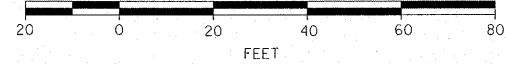
MATCH LINE 104+00.00

MATCH LINE 110+00.00

- NOTES:
1. TYPICAL TREE SPACING IS 20' X 20'.
 2. TREES SHALL NOT BE LOCATED WITHIN 10' OF ANY UNDERGROUND UTILITY.
 3. TREES SHALL NOT BE PLACED ON SLOPES STEEPER THAN 3:1.



GRAPHIC SCALE



- KEY
- ✕ TREES TO BE REMOVED
 - AS 2-1/2" TREE, ACER SACCHARUM (SUGAR MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED
 - QP 2-1/2" TREE, QUERCUS PALUSTRIS (PIN OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED
 - OR 2-1/2" TREE, QUERCUS RUBRA (RED OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED
 - CC 2" TREE, CERCIS CANADENSIS (EASTERN REDBUD), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED
 - MS 2" TREE, MALUS SNOWDRIFT (SNOWDRIFT CRAB APPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED
 - PS 3" EVERGREEN, PINUS STROBUS (EASTERN WHITE PINE), 3" CALIPER, BALLED AND BURLAPPED

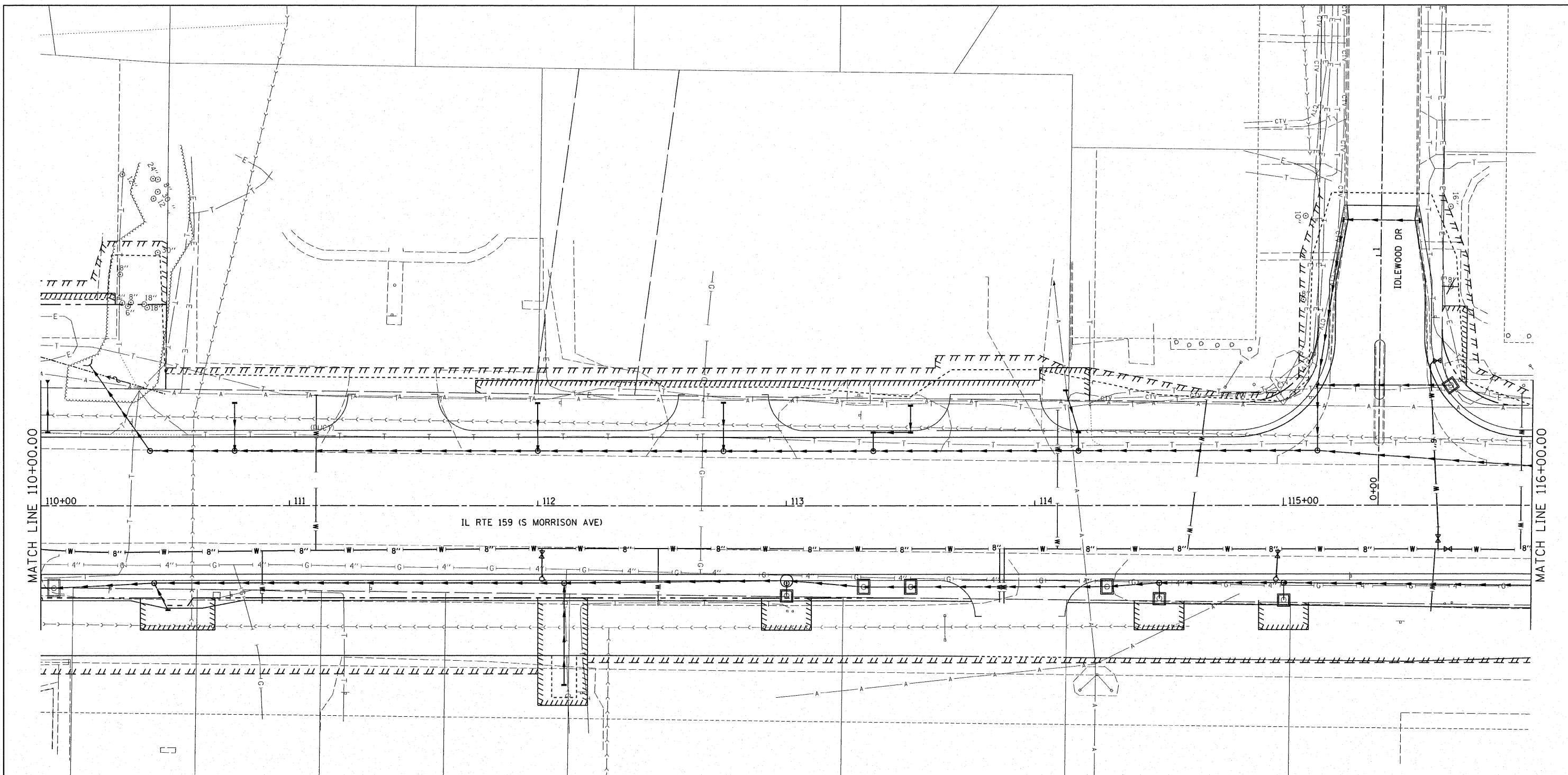
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	PLOT SCALE = 1:20	DRAWN -	REVISED -
	PLOT DATE = 8/24/2009	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LANDSCAPE PLAN

SCALE: 1:20 SHEET NO. OF SHEETS STA. 104+00.00 TO STA. 110+00.00

F.A. RTE. 600	SECTION 60-(30.31.128)-1	COUNTY	TOTAL SHEETS 399	SHEET NO. 230
CONTRACT NO. 76830			ILLINOIS FED. AID PROJECT	



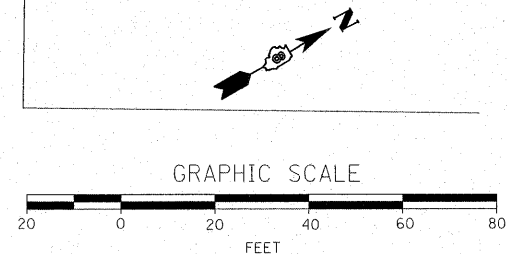
MATCH LINE 110+00.00

MATCH LINE 116+00.00

KEY

- ✕ TREES TO BE REMOVED
- AS 2-1/2" TREE, ACER SACCHARUM (SUGAR MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED
- OP 2-1/2" TREE, QUERCUS PALUSTRIS (PIN OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED
- OR 2-1/2" TREE, QUERCUS RUBRA (RED OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED
- CC 2" TREE, CERCIS CANADENSIS (EASTERN REDBUD), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED
- MS 2" TREE, MALUS SNOWDRIFT (SNOWDRIFT CRAB APPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED
- PS 3" EVERGREEN, PINUS STROBUS (EASTERN WHITE PINE), 3" CALIPER, BALLED AND BURLAPPED

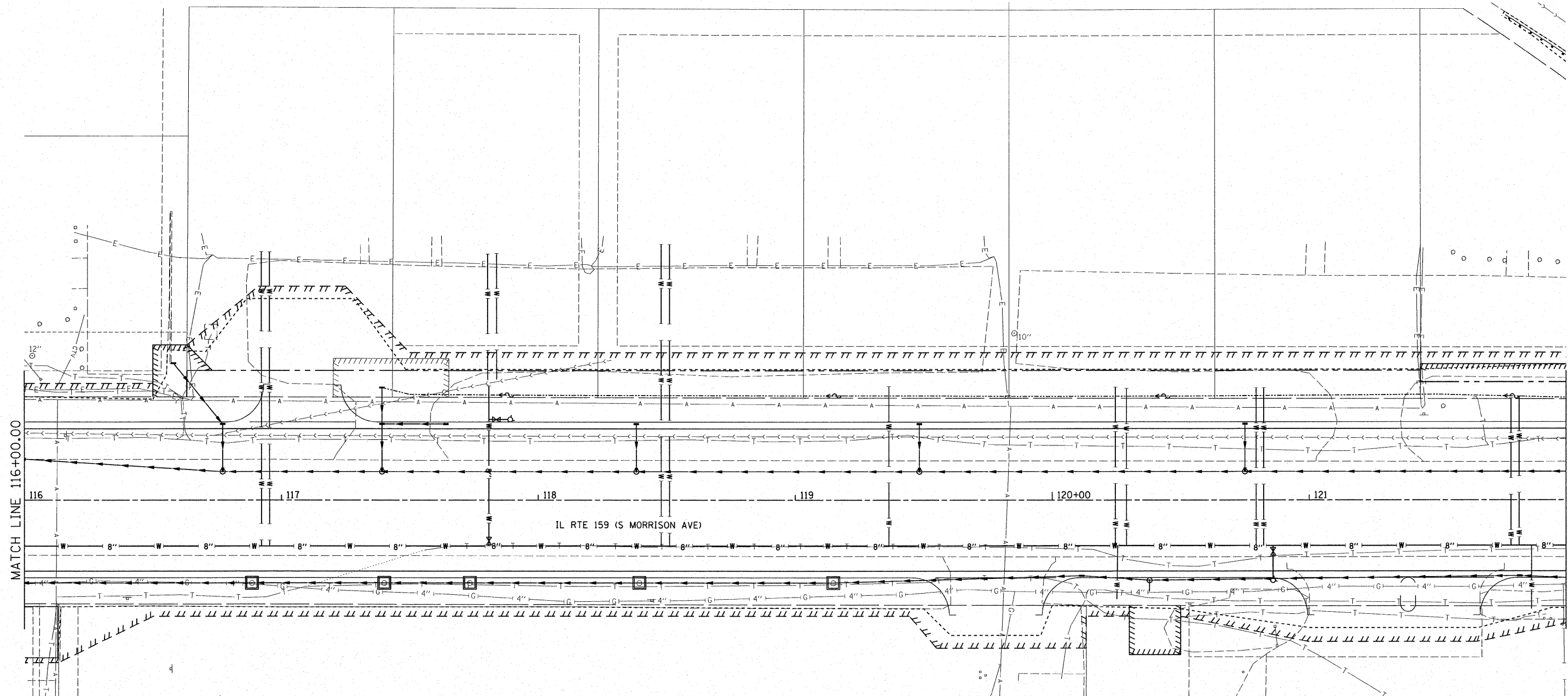
- NOTES:**
1. TYPICAL TREE SPACING IS 20' X 20'.
 2. TREES SHALL NOT BE LOCATED WITHIN 10' OF ANY UNDERGROUND UTILITY.
 3. TREES SHALL NOT BE PLACED ON SLOPES STEEPER THAN 3:1.



FILE NAME = D876830-sh1-1ndscpl.dgn	USER NAME = cha	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LANDSCAPE PLAN	F.A. RTE. 600	SECTION 60-(30.31.128)-1	COUNTY	TOTAL SHEETS 399	SHEET NO. 231
PLOT SCALE = 1:20	PLOT DATE = 8/24/2009	DRAWN -	REVISED -	SCALE: 1:20	SHEET NO. OF SHEETS STA. 110+00.00 TO STA. 116+00.00	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		CONTRACT NO. 76830		

MATCH LINE 116+00.00

MATCH LINE 122+00.00

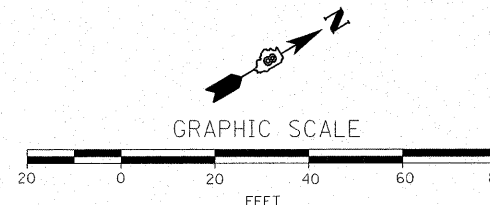


NOTES:

1. TYPICAL TREE SPACING IS 20' X 20'.
2. TREES SHALL NOT BE LOCATED WITHIN 10' OF ANY UNDERGROUND UTILITY.
3. TREES SHALL NOT BE PLACED ON SLOPES STEEPER THAN 3:1.

KEY

- X TREES TO BE REMOVED
- AS 2-1/2" TREE, ACER SACCHARUM (SUGAR MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED
- OP 2-1/2" TREE, QUERCUS PALUSTRIS (PIN OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED
- OR 2-1/2" TREE, QUERCUS RUBRA (RED OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED
- CC 2" TREE, CERCIS CANADENSIS (EASTERN REDBUD), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED
- MS 2" TREE, MALUS SNOWDRIFT (SNOWDRIFT CRAB APPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED
- PS 3" EVERGREEN, PINUS STROBUS (EASTERN WHITE PINE), 3" CALIPER, BALLED AND BURLAPPED



FILE NAME =
D876830-sht-landsep.dgn

USER NAME = cha
DESIGNED -
DRAWN -
PLOT SCALE = 1:20
PLOT DATE = 8/24/2009

DESIGNED -
DRAWN -
CHECKED -
DATE -

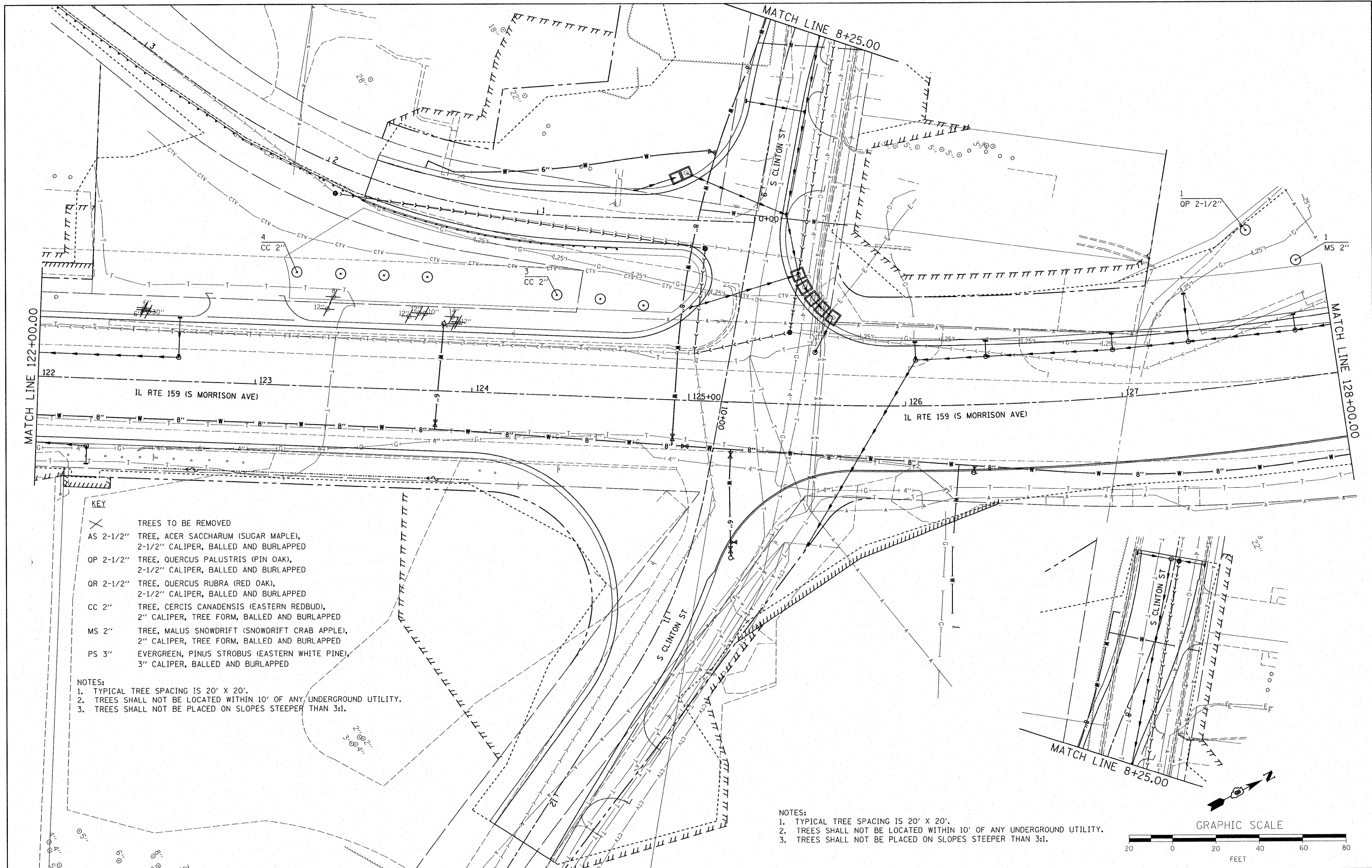
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPE PLAN

SCALE: 1:20 SHEET NO. OF SHEETS STA. 116+00.00 TO STA. 122+00.00

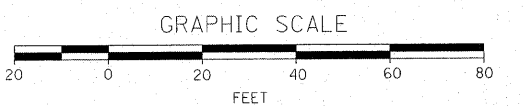
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30.31.128)-1		399	232
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76830	



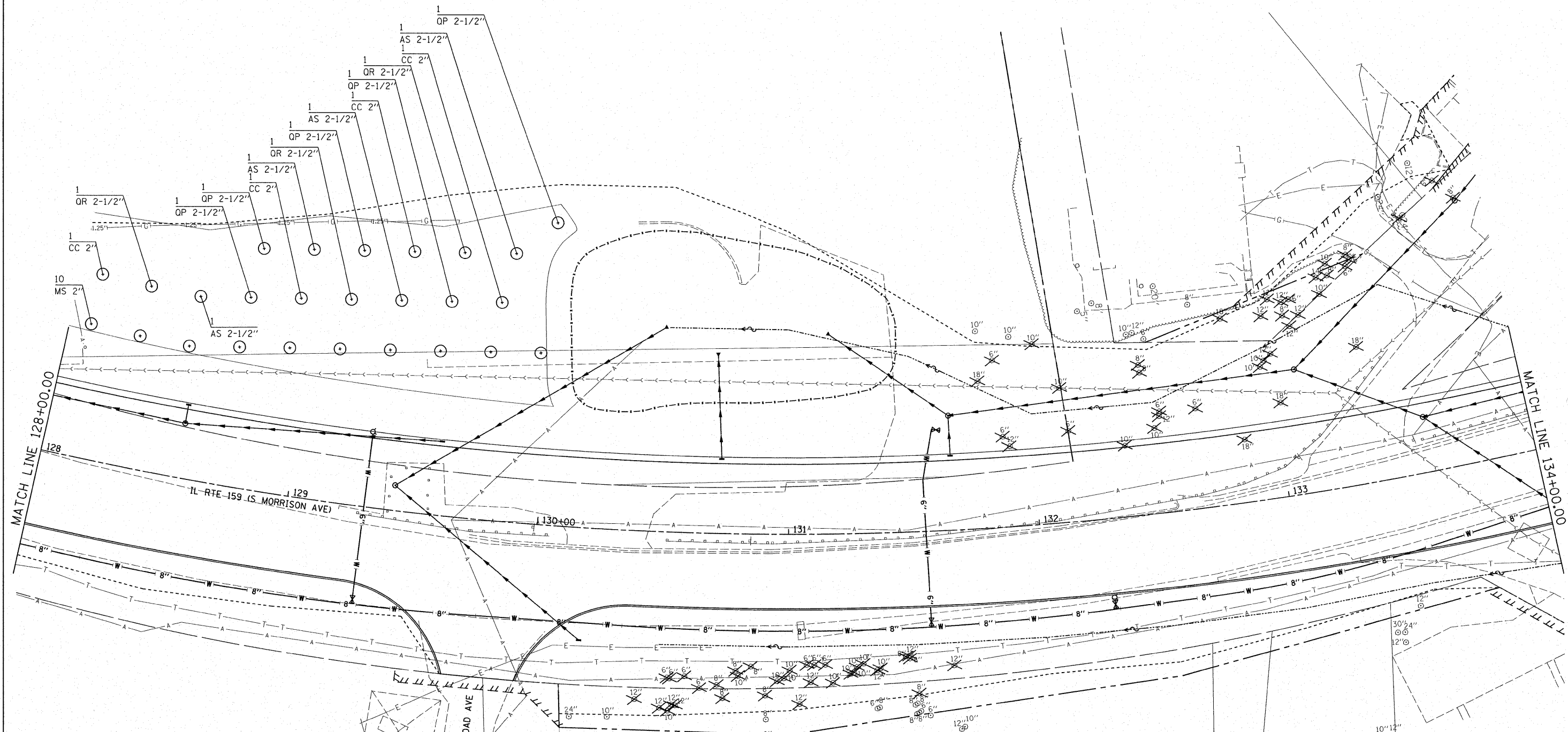
- KEY**
- X TREES TO BE REMOVED
 - AS 2-1/2" TREE, ACER SACCHARUM (SUGAR MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED
 - OP 2-1/2" TREE, QUERCUS PALUSTRIS (PIN OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED
 - OR 2-1/2" TREE, QUERCUS RUBRA (RED OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED
 - CC 2" TREE, CERIS CANADENSIS (EASTERN REDBUD), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED
 - MS 2" TREE, MALUS SNOWDRIFT (SNOWDRIFT CRAB APPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED
 - PS 3" EVERGREEN, PINUS STROBUS (EASTERN WHITE PINE), 3" CALIPER, BALLED AND BURLAPPED

- NOTES:**
1. TYPICAL TREE SPACING IS 20' X 20'.
 2. TREES SHALL NOT BE LOCATED WITHIN 10' OF ANY UNDERGROUND UTILITY.
 3. TREES SHALL NOT BE PLACED ON SLOPES STEEPER THAN 3:1.

- NOTES:**
1. TYPICAL TREE SPACING IS 20' X 20'.
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 3. TREES SHALL NOT BE PLACED ON SLOPES STEEPER THAN 3:1.

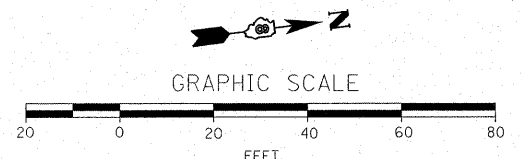


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	PLOT SCALE = 1:20	DRAWN -	REVISED -		SCALE: 1:20	SHEET NO.	OF	SHEETS	STA. 122+00.00 TO STA. 128+00.00	CONTRACT NO. 76830		
	PLOT DATE = 8/24/2009	CHECKED -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									

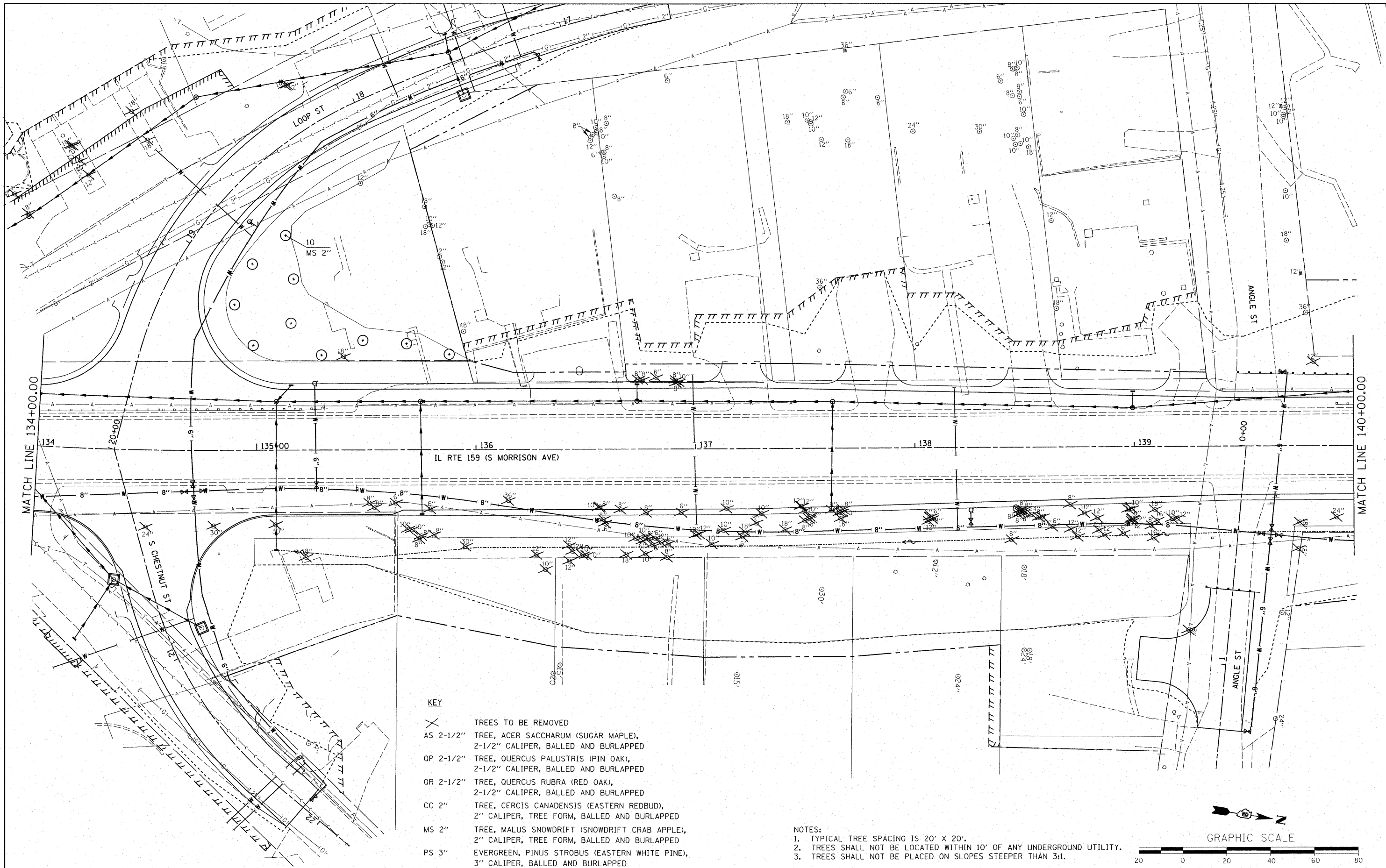


- KEY**
- ✕ TREES TO BE REMOVED
 - AS 2-1/2" TREE, ACER SACCHARUM (SUGAR MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED
 - OP 2-1/2" TREE, QUERCUS PALUSTRIS (PIN OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED
 - QR 2-1/2" TREE, QUERCUS RUBRA (RED OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED
 - CC 2" TREE, CERCIS CANADENSIS (EASTERN REDBUD), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED
 - MS 2" TREE, MALUS SNOWDRIFT (SNOWDRIFT CRAB APPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED
 - PS 3" EVERGREEN, PINUS STROBUS (EASTERN WHITE PINE), 3" CALIPER, BALLED AND BURLAPPED

- NOTES:**
1. TYPICAL TREE SPACING IS 20' X 20'.
 2. TREES SHALL NOT BE LOCATED WITHIN 10' OF ANY UNDERGROUND UTILITY.
 3. TREES SHALL NOT BE PLACED ON SLOPES STEEPER THAN 3:1.

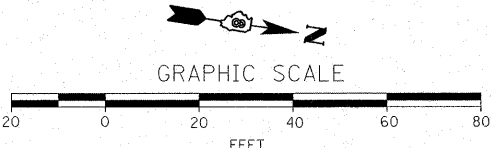


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PLOT SCALE = 1:20		DRAWN -		SCALE: 1:20		SHEET NO. OF SHEETS		CONTRACT NO. 76830		
PLOT DATE = 8/24/2009		CHECKED -		STA. 128+00.00 TO STA. 134+00.00		FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				
		DATE -								



- KEY**
- ✕ TREES TO BE REMOVED
 - AS 2-1/2" TREE, ACER SACCHARUM (SUGAR MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED
 - OP 2-1/2" TREE, QUERCUS PALUSTRIS (PIN OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED
 - OR 2-1/2" TREE, QUERCUS RUBRA (RED OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED
 - CC 2" TREE, CERCIS CANADENSIS (EASTERN REDBUD), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED
 - MS 2" TREE, MALUS SNOWDRIFT (SNOWDRIFT CRAB APPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED
 - PS 3" EVERGREEN, PINUS STROBUS (EASTERN WHITE PINE), 3" CALIPER, BALLED AND BURLAPPED

- NOTES:**
1. TYPICAL TREE SPACING IS 20' X 20'.
 2. TREES SHALL NOT BE LOCATED WITHIN 10' OF ANY UNDERGROUND UTILITY.
 3. TREES SHALL NOT BE PLACED ON SLOPES STEEPER THAN 3:1.



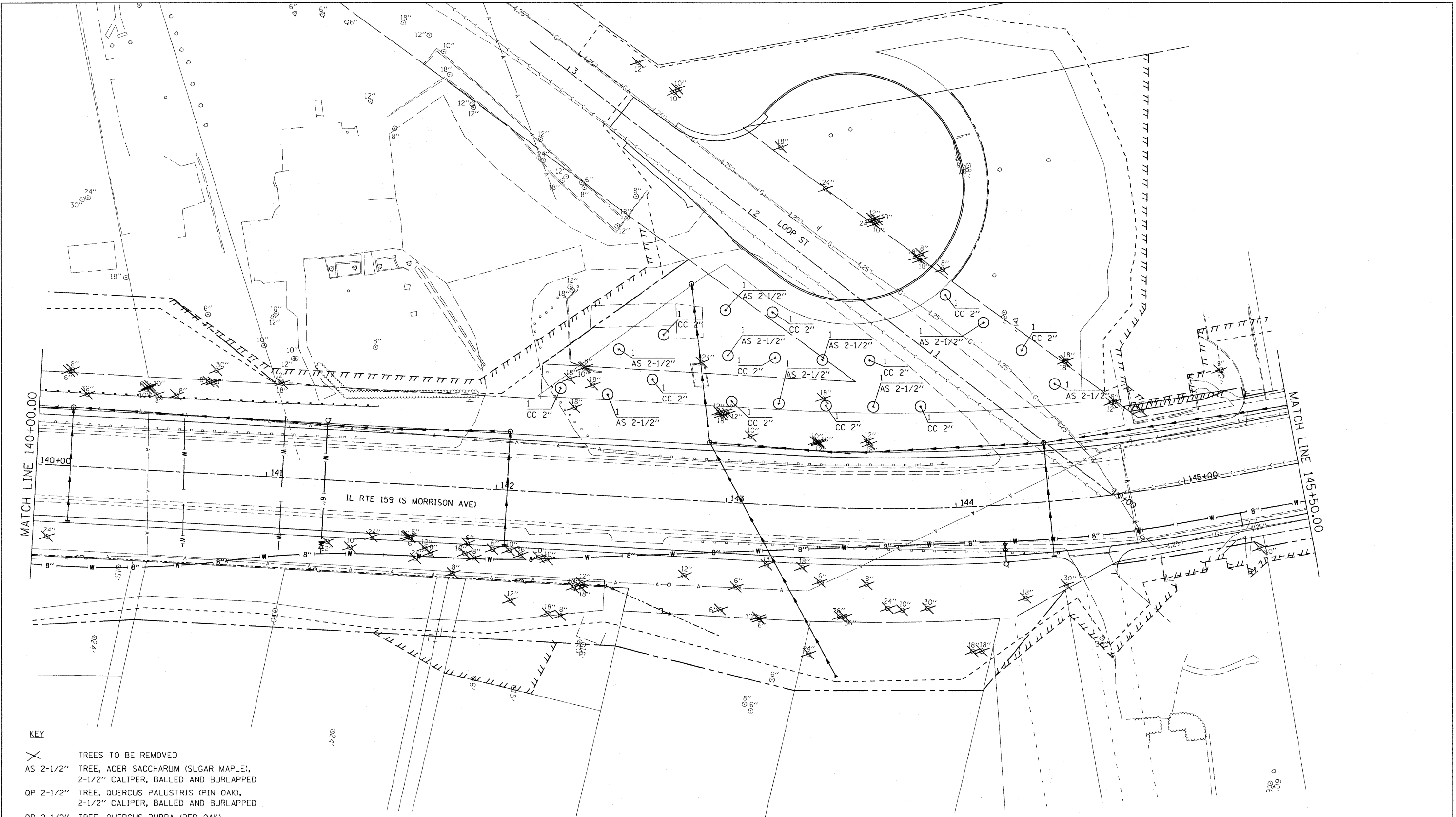
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		DRAWN -	REVISED -
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	PLOT DATE = 8/24/2009	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LANDSCAPE PLAN

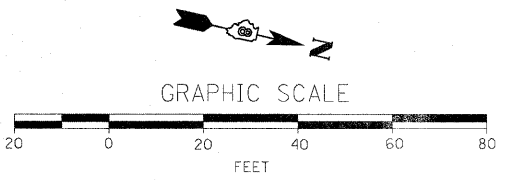
SCALE: 1:20 SHEET NO. OF SHEETS STA. 134+00.00 TO STA. 140+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30.31.128)-1		399	235
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76830	



- KEY**
- X TREES TO BE REMOVED
 - AS 2-1/2" TREE, ACER SACCHARUM (SUGAR MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED
 - OP 2-1/2" TREE, QUERCUS PALUSTRIS (PIN OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED
 - OR 2-1/2" TREE, QUERCUS RUBRA (RED OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED
 - CC 2" TREE, CERCIS CANADENSIS (EASTERN REDBUD), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED
 - MS 2" TREE, MALUS SNOWDRIFT (SNOWDRIFT CRAB APPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED
 - PS 3" EVERGREEN, PINUS STROBUS (EASTERN WHITE PINE), 3" CALIPER, BALLED AND BURLAPPED

- NOTES:**
1. TYPICAL TREE SPACING IS 20' X 20'.
 2. TREES SHALL NOT BE LOCATED WITHIN 10' OF ANY UNDERGROUND UTILITY.
 3. TREES SHALL NOT BE PLACED ON SLOPES STEEPER THAN 3:1.



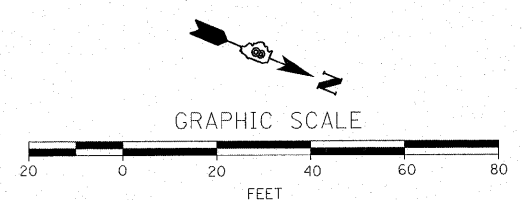
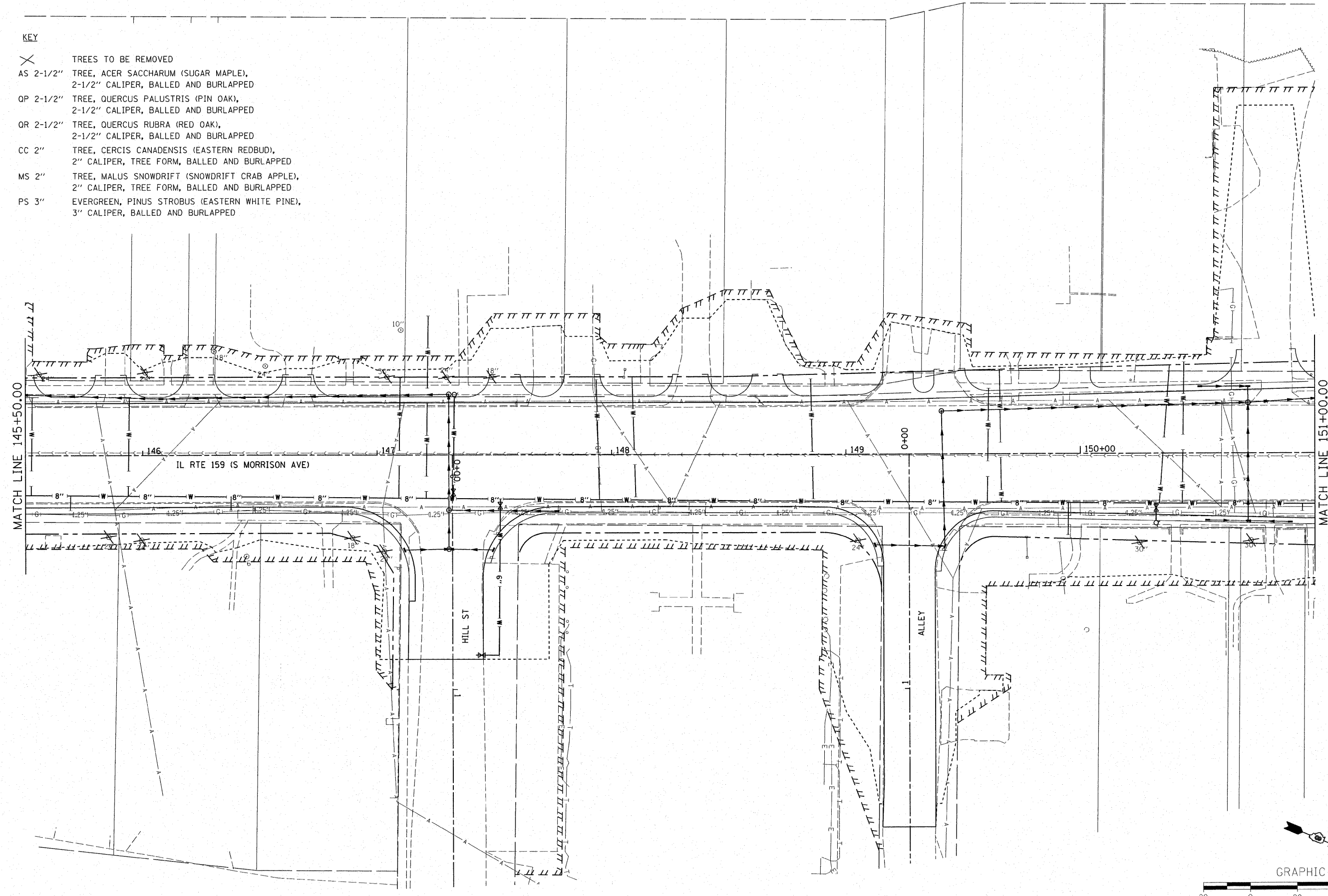
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		DRAWN -	REVISED -		SCALE: 1:20	SHEET NO. OF SHEETS	STA. 140+00.00 TO STA. 145+50.00	CONTRACT NO. 76830				
		CHECKED -	REVISED -									
		DATE - 9/11/2009	REVISED -									
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT												

KEY

- ✕ TREES TO BE REMOVED
- AS 2-1/2" TREE, ACER SACCHARUM (SUGAR MAPLE),
2-1/2" CALIPER, BALLED AND BURLAPPED
- OP 2-1/2" TREE, QUERCUS PALUSTRIS (PIN OAK),
2-1/2" CALIPER, BALLED AND BURLAPPED
- OR 2-1/2" TREE, QUERCUS RUBRA (RED OAK),
2-1/2" CALIPER, BALLED AND BURLAPPED
- CC 2" TREE, CERCIS CANADENSIS (EASTERN REDBUD),
2" CALIPER, TREE FORM, BALLED AND BURLAPPED
- MS 2" TREE, MALUS SNOWDRIFT (SNOWDRIFT CRAB APPLE),
2" CALIPER, TREE FORM, BALLED AND BURLAPPED
- PS 3" EVERGREEN, PINUS STROBUS (EASTERN WHITE PINE),
3" CALIPER, BALLED AND BURLAPPED

MATCH LINE 145+50.00

MATCH LINE 151+00.00



FILE NAME =
D876830-sht-1ndscp.dgn

USER NAME = cha
PLOT SCALE = 1:20
PLOT DATE = 6/24/2009

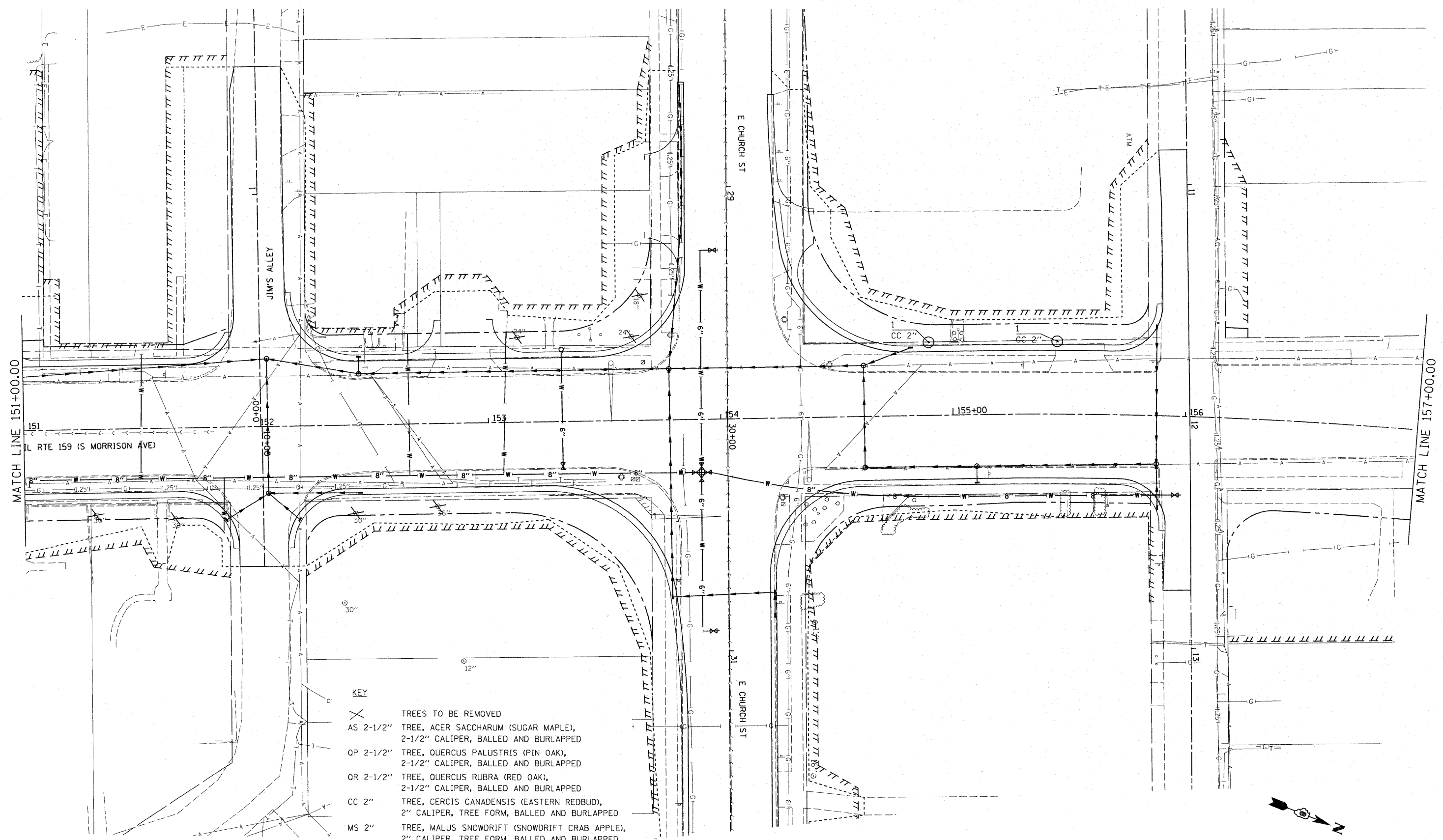
DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LANDSCAPE PLAN

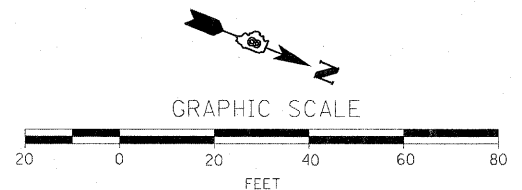
SCALE: 1:20 SHEET NO. OF SHEETS STA. 145+50.00 TO STA. 151+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-1		399	237
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 76830				



- KEY**
- X TREES TO BE REMOVED
 - AS 2-1/2" TREE, ACER SACCHARUM (SUGAR MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED
 - OP 2-1/2" TREE, QUERCUS PALUSTRIS (PIN OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED
 - OR 2-1/2" TREE, QUERCUS RUBRA (RED OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED
 - CC 2" TREE, CERCIS CANADENSIS (EASTERN REDBUD), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED
 - MS 2" TREE, MALUS SNOWDRIFT (SNOWDRIFT CRAB APPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED
 - PS 3" EVERGREEN, PINUS STROBUS (EASTERN WHITE PINE), 3" CALIPER, BALLED AND BURLAPPED

- NOTES:**
- TYPICAL TREE SPACING IS 20' X 20'.
 - TREES SHALL NOT BE LOCATED WITHIN 10' OF ANY UNDERGROUND UTILITY.
 - TREES SHALL NOT BE PLACED ON SLOPES STEEPER THAN 3:1.



FILE NAME = 0876830-sht-1ndsep.dgn

USER NAME = ldo
 PLOT SCALE = 1:20
 PLOT DATE = 12/17/2009

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

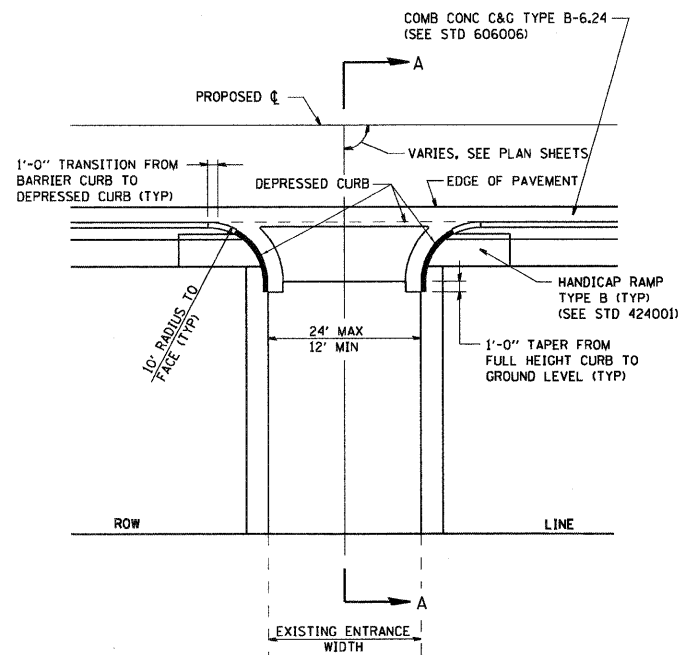
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

Rev.

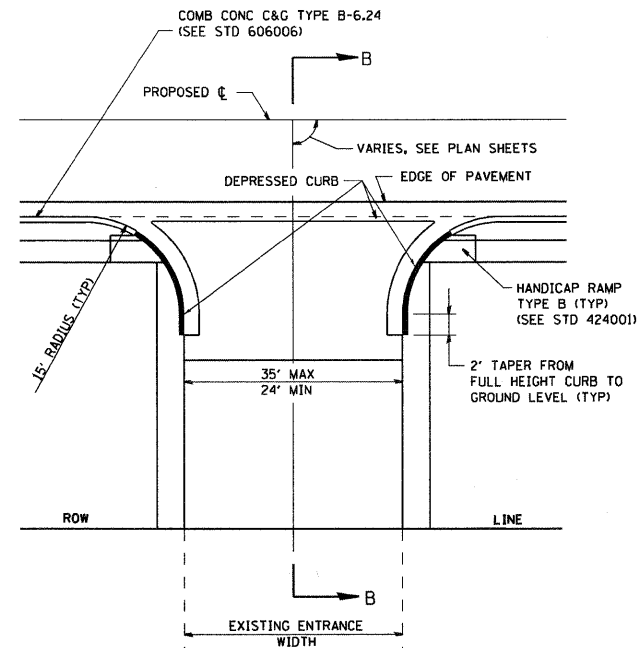
LANDSCAPE PLAN

SCALE: 1:20 SHEET NO. OF SHEETS STA. 151+00.00 TO STA. 157+00.00

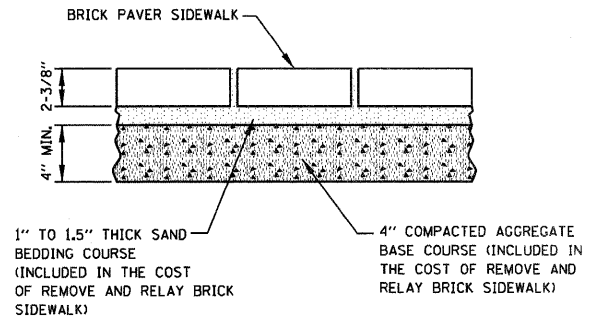
F.A. RTE. 600	SECTION 60-(30.31.128)-1	COUNTY	TOTAL SHEETS 399	SHEET NO. 238
CONTRACT NO. 76830			ILLINOIS FED. AID PROJECT	



PE DETAIL A
PRIVATE ENTRANCE WITH PCC SIDEWALK ADJACENT TO ROADWAY PAVEMENT WITH CONCRETE CURB & GUTTER TYPE B-6.24

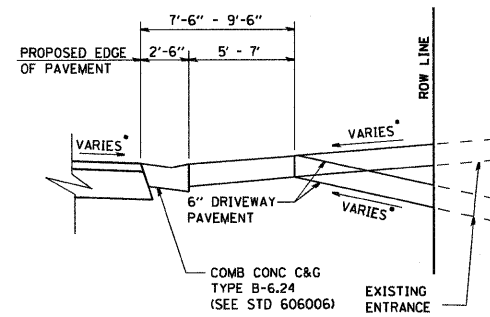


CE DETAIL B
COMMERCIAL ENTRANCE WITH PCC SIDEWALK ADJACENT TO ROADWAY PAVEMENT WITH CONCRETE CURB & GUTTER TYPE B-6.24



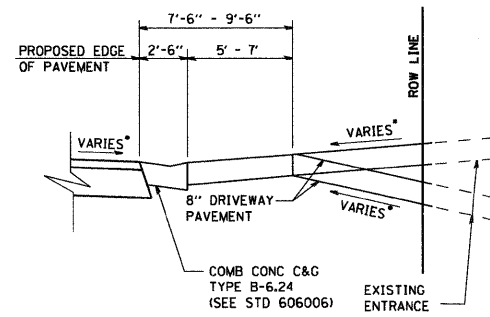
NOTE:
THE COST OF INSTALLING THE SALVAGED BRICK PAVERS ON THE SAND BEDDING COURSE AND AGGREGATE BASE COURSE SHALL BE INCLUDED IN THE COST OF REMOVE AND RELAY BRICK SIDEWALK.

BRICK SIDEWALK DETAIL
WITH COMPACTED AGGREGATE BASE



SECTION A-A

• SEE CROSS SECTIONS FOR SLOPE
SEE PLANS FOR EXISTING SURFACE TYPE



SECTION B-B

• SEE CROSS SECTIONS FOR SLOPE
SEE PLANS FOR EXISTING SURFACE TYPE

NOTE: ALL NON-TYPICAL RADII ARE SHOWN ON PLAN SHEETS

TYPE OF ENTRANCE	EXISTING MATERIAL	NEW ENTRANCE MATERIAL (BEYOND RADIUS RETURNS OR TAPERS)				
		PCC DRIVEWAY PAVEMENT (6")	PCC DRIVEWAY PAVEMENT (8")	INCIDENTAL HMA SURFACING (1 1/2")	AGGREGATE BASE COURSE TYPE B (2")	AGGREGATE SURFACE COURSE TYPE B (2")
PRIVATE	CONCRETE	X			X	
	BITUMINOUS			X	X	
	AGGREGATE					X
COMMERCIAL	CONCRETE		X			
	BITUMINOUS		X			
	AGGREGATE		X			

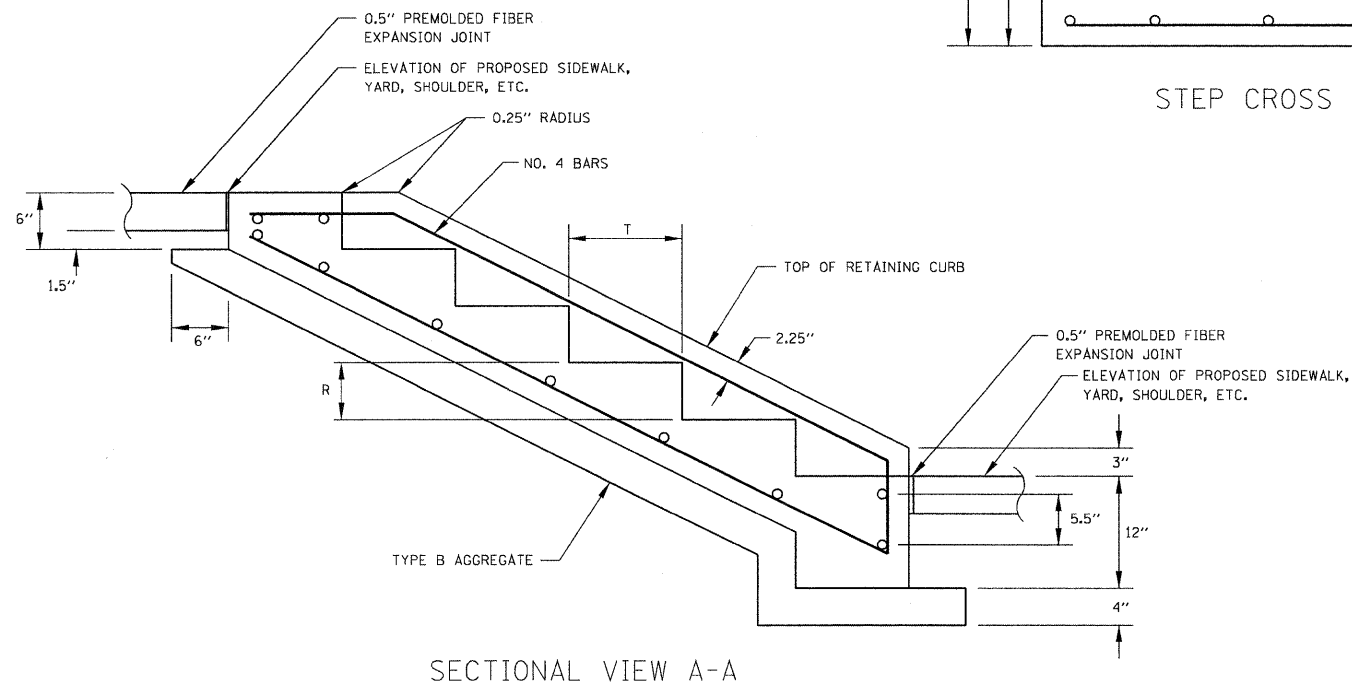
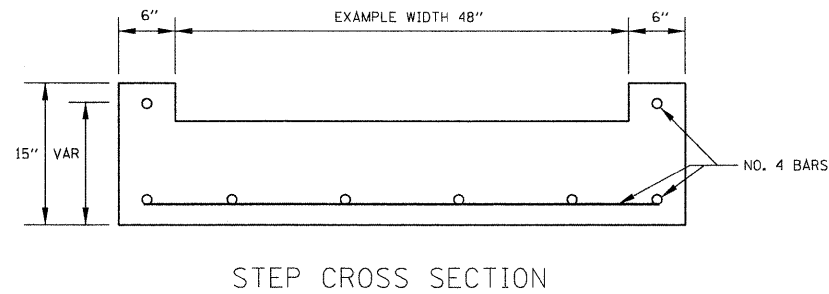
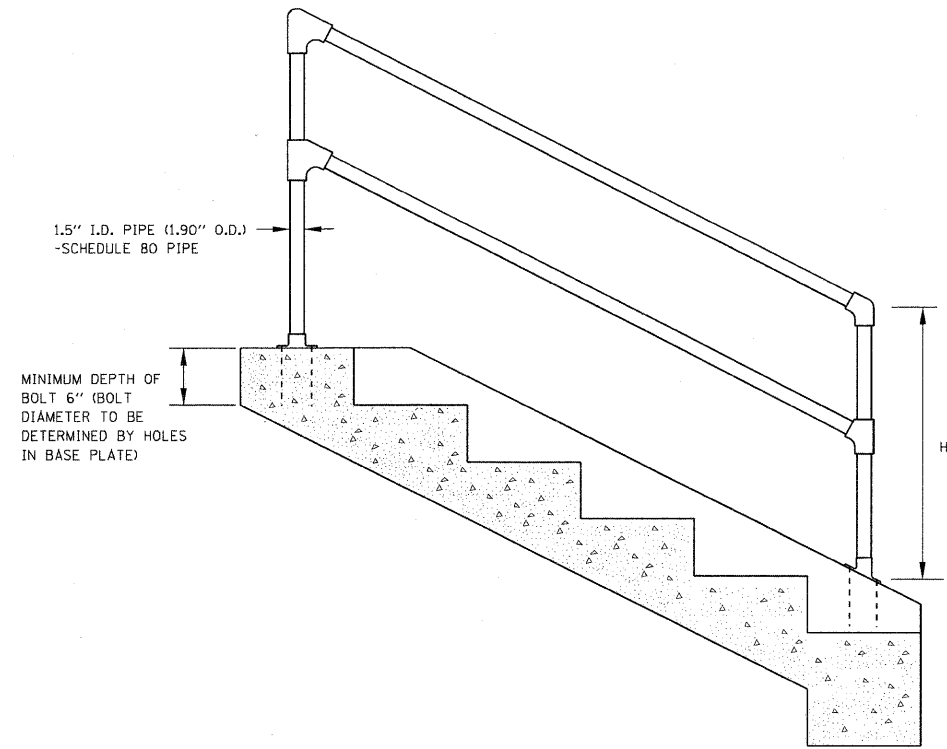
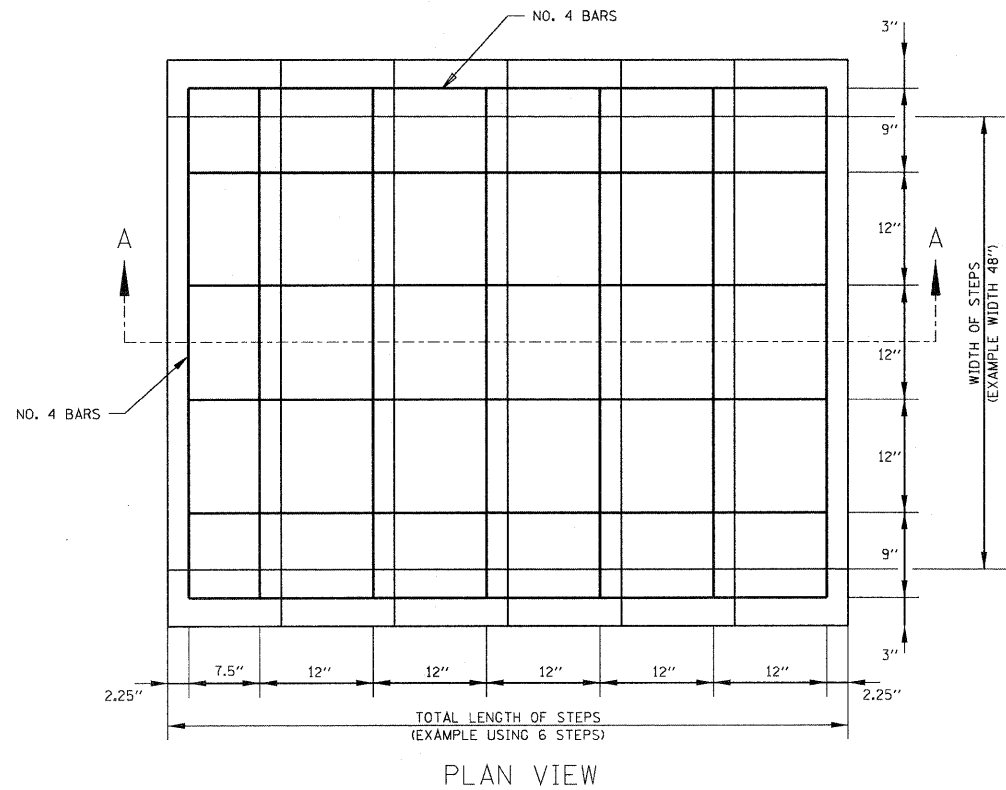
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Pl:\Projects\513581\CADD\DDN\0876838-sh\details.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ENTRANCE DETAILS AND BRICK SIDEWALK DETAIL

SCALE: N/A SHEET NO. 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-1	MADISON/ST. CLAIR	399	239
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
CONTRACT NO. 76830				



HANDRAIL GENERAL NOTES

- PIPE HANDRAIL IS TO BE PAINTED BLACK IN COLOR AND ADHERE TO FEDERAL SPECIFICATION TT-E-489H
- THIS PIPE HANDRAIL IS TO BE USED ONLY AS A PROTECTION FOR PEDESTRIANS AND SHOULD NOT BE PLACED IN ANY LOCATION WHERE IT MIGHT BE SUBJECT TO VEHICULAR IMPACT. FOR VEHICULAR PROTECTION STANDARD GUARD RAIL SHOULD BE USED.
- THE PIPE HANDRAIL SHALL BE REQUIRED WITH FOUR OR MORE STEPS AND WILL MEET THE FOLLOWING CONDITIONS:
 - ON STEPS LESS THAN 44 INCHES WIDE HAVING BOTH SIDES ENCLOSED, AT LEAST ONE HANDRAIL PREFERABLY ON THE RIGHT SIDE DESCENDING.
 - ON STEPS LESS THAN 44 INCHES WIDE HAVING ONE SIDE OPEN, ONE HANDRAIL ON EACH SIDE.
 - ON STEPS LESS THAN 44 INCHES WIDE HAVING BOTH SIDES OPEN, ONE HANDRAIL ON EACH SIDE.
 - ON STEPS MORE THAN 44 INCHES WIDE BUT LESS THAN 88 INCHES WIDE, ONE HANDRAIL ON EACH SIDE.
 - ON STEPS 99 OR MORE INCHES, ONE HANDRAIL ON EACH SIDE, AND ONE INTERMEDIATE HANDRAIL LOCATED APPROXIMATELY MIDWAY OF THE WIDTH.

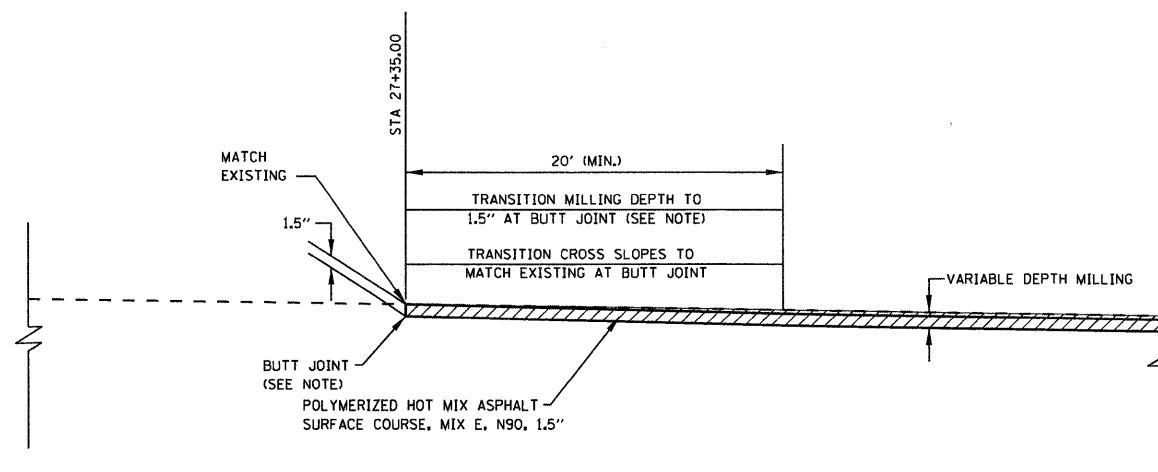
CONCRETE STEP GENERAL NOTES

- FOR SPECIFICATIONS SEE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
- CONCRETE STEPS MAY BE CAST IN PLACE OR PRECAST. ALL CONCRETE CAST IN PLACE TO BE CLASS "A". ALL PRECAST TO BE 4000 POUNDS PER SQUARE INCH.
- ALL EXPOSED EDGES ARE TO BE ROUNDED USING A QUARTER INCH RADIUS.
- THE TREAD IS TO BE ELEVEN TO FIFTEEN INCHES DEEP. THE RISER HEIGHT IS TO BE VARIED SO AS TO CONFORM TO THE PROPOSED SLOPE. A MAXIMUM RISER HEIGHT OF SEVEN INCHES IS NOT TO BE EXCEEDED.
- CONCRETE JOINT MATERIAL TO BE 0.5" PREMOLDED FIBER IN ACCORDANCE WITH SECTION 905 OF THE STANDARD SPECIFICATIONS. COST OF JOINT MATERIAL WILL BE INCLUDED IN THE COST OF OTHER ITEMS.
- ALL REINFORCING STEEL TO ADHERE TO SPECIFICATION ASTM A 615. ALL REINFORCING STEEL TO BE NO. 4 BARS.
- THE COST OF EXCAVATION BELOW LEVEL ON PROPOSED SLOPE TO BE INCLUDED IN THE COST OF OTHER ITEMS.

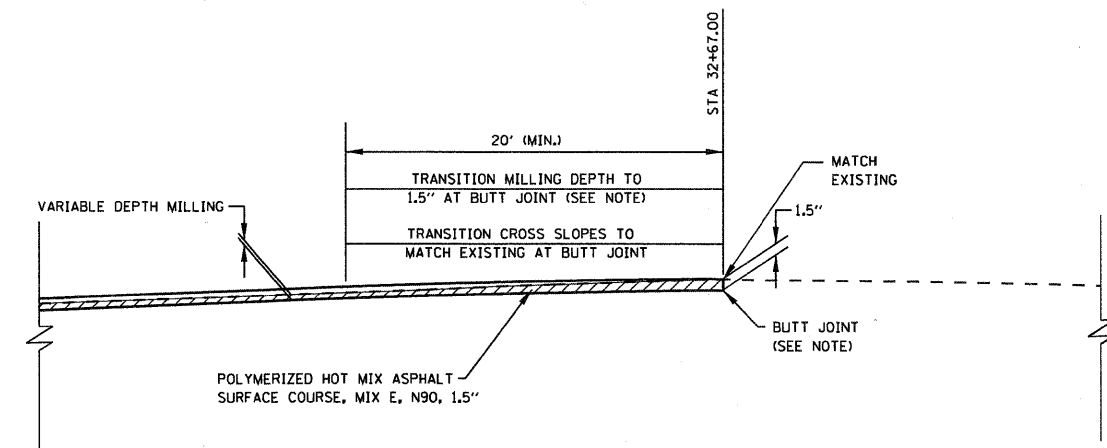
LEGEND

H: 34" MIN, 38" MAX
R: 4" MIN, 7" MAX
T: 11" MIN, 15" MAX

FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STANDARD CONCRETE STEPS AND PIPE HANDRAILS DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
P:\Projects\51358\1\CADD\DWG\0876830-shd	details.dgn	DRAWN -	REVISED -			600	60-(30,31,128)-1	MADISON/ST. CLAIR	399	240	
	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -			SCALE: N/A SHEET NO. 1 OF 2 SHEETS STA. N/A TO STA. N/A		CONTRACT NO. 76830			
	PLOT DATE = 12/12/2009	DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

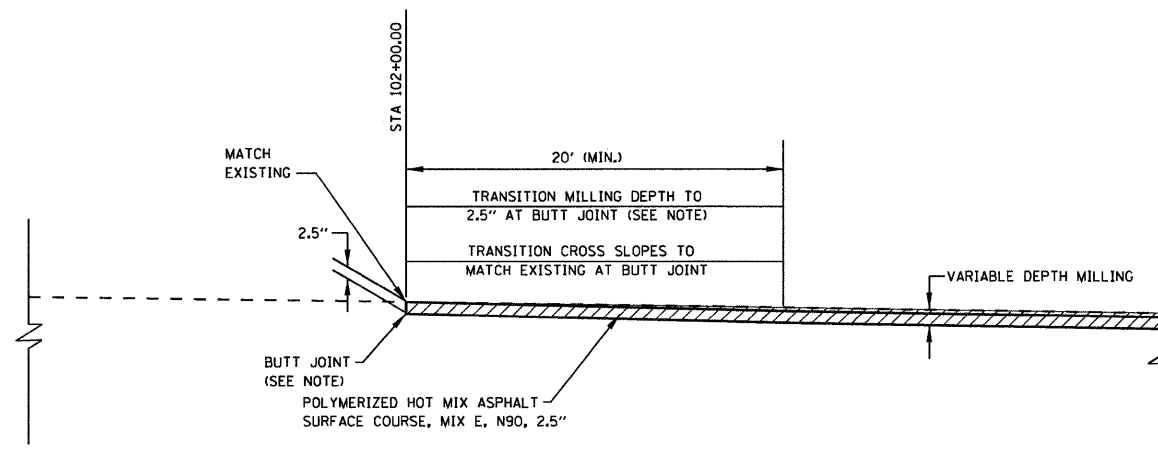


BUTT JOINT
E. CHURCH ST STA 27+35.00

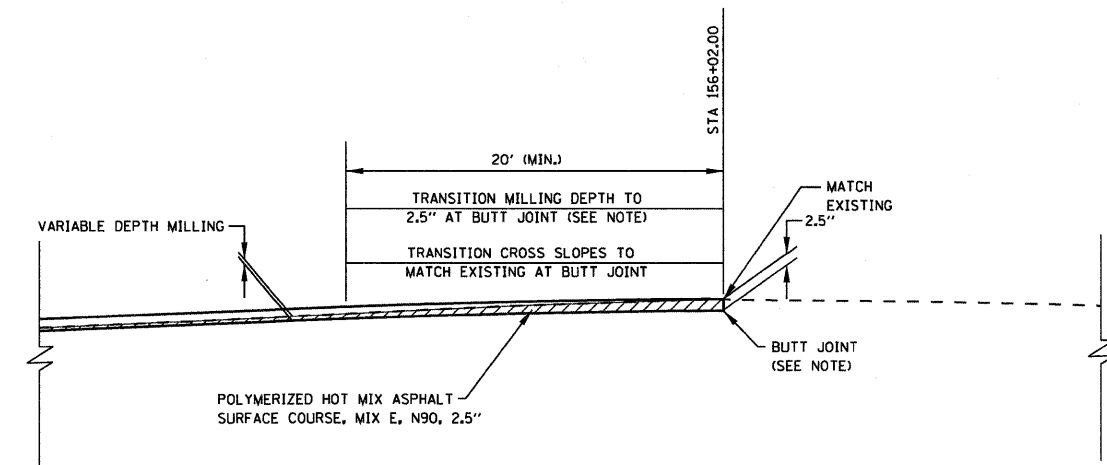


BUTT JOINT
E CHURCH ST STA 32+67.00

NOTE: THE COST OF SAW CUTTING AND VARIABLE DEPTH MILLING FOR BUTT JOINTS SHALL BE INCIDENTAL TO "HMA SURFACE REMOVAL".



BUTT JOINT
IL ROUTE 159 STA 102+00.00



BUTT JOINT
IL ROUTE 159 STA 156+02.00

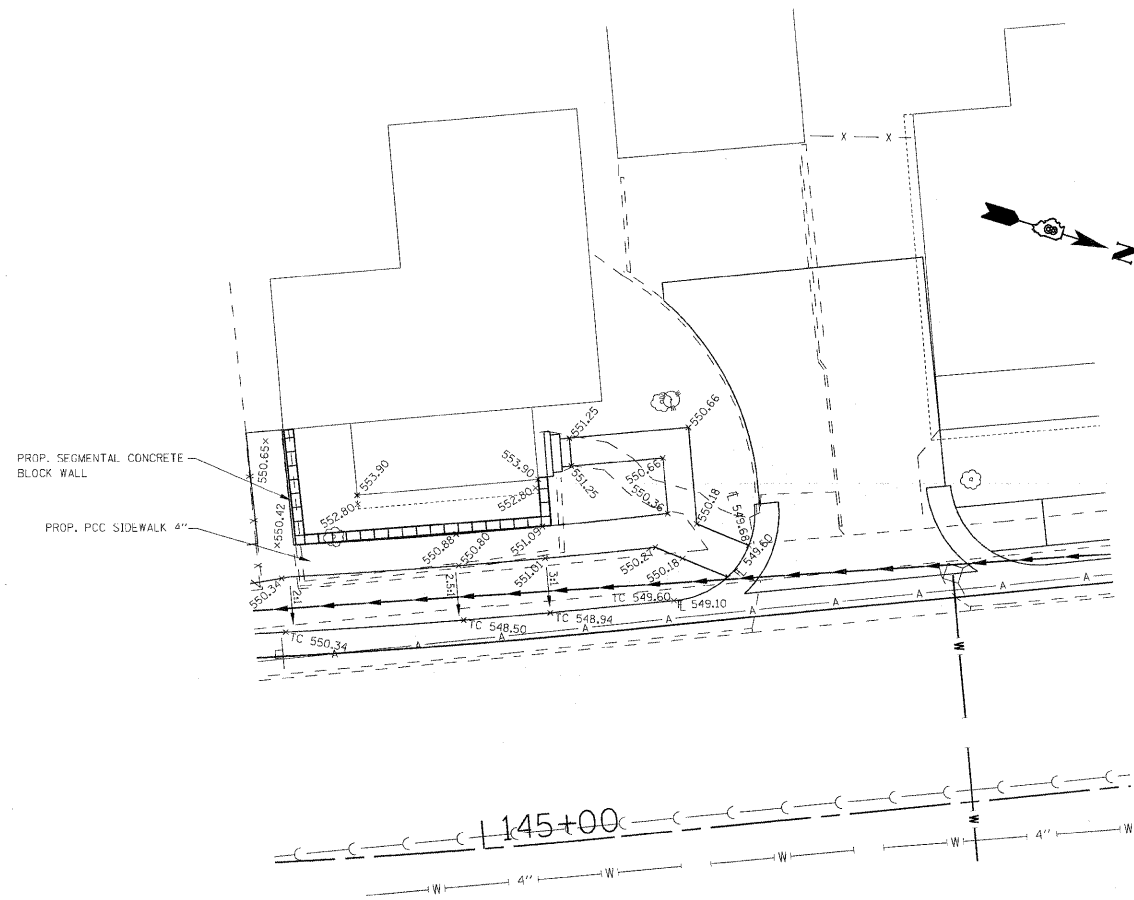
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BUTT JOINT DETAILS

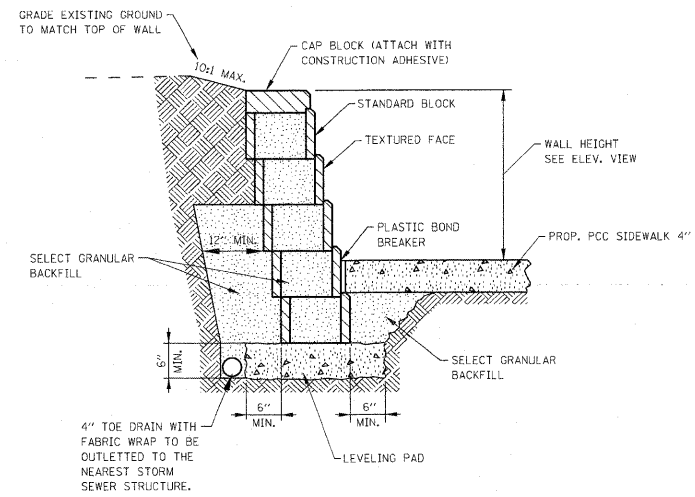
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-1	MADISON/ST. CLAIR	399	241
CONTRACT NO. 76830				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



PLAN

SCALE 1" = 10'



**SEGMENTAL CONCRETE BLOCK WALL
TYPICAL SECTION DETAIL**

NO SCALE

NOTES:

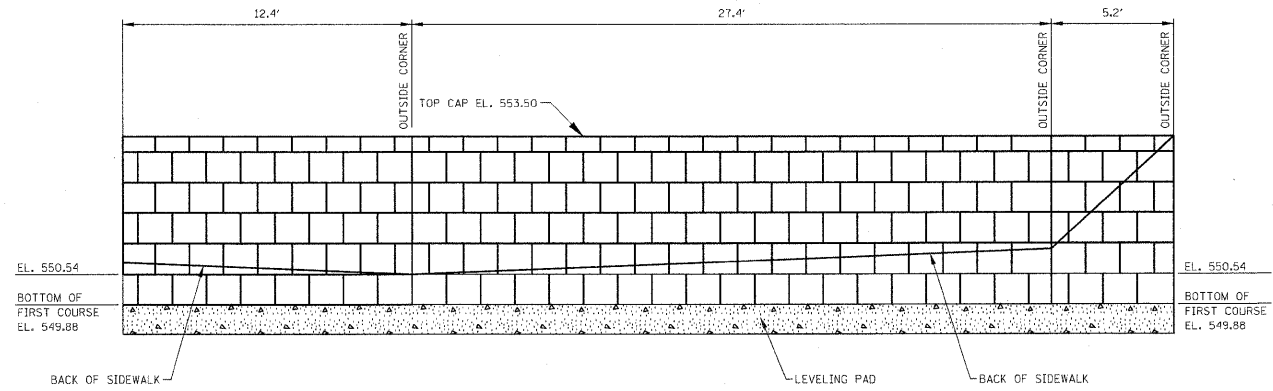
1. THE STATIONS, OFFSETS AND ELEVATIONS AS SHOWN IN THE DETAIL ARE BASED ON BLOCKS WITH THE FOLLOWING DIMENSIONS:

STANDARD BLOCK
LENGTH = 17-5/8"
HEIGHT = 7-7/8"
DEPTH = 11-7/8"

CAP BLOCK:
LENGTH = 17-5/8"
HEIGHT = 3-7/8"
DEPTH = 12"

SET BACK: 6" WALL BATTER FROM VERTICAL

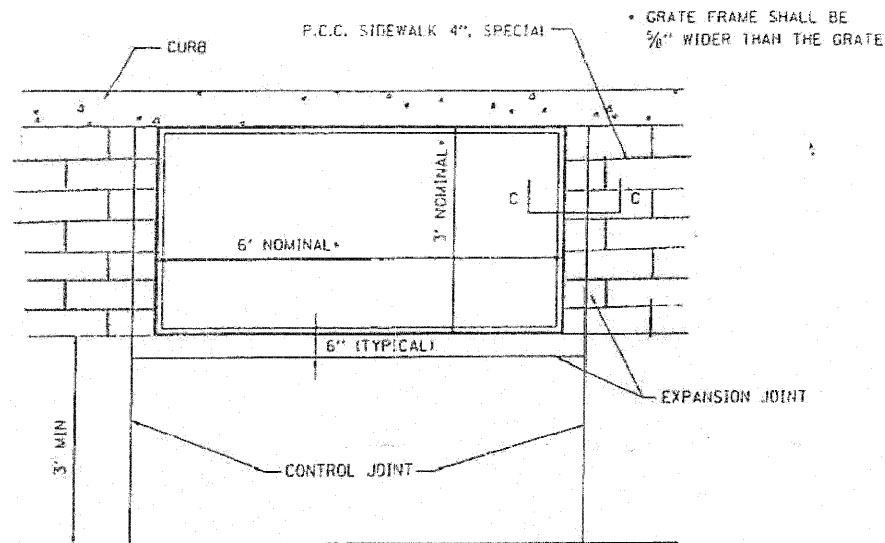
THE ACTUAL STATIONS, OFFSETS AND ELEVATIONS MAY VARY FROM THE DETAIL AT THE APPROVAL OF THE ENGINEER.
2. COLOR SAMPLE SHALL BE SUBMITTED BY THE CONTRACTOR.
3. THE FRONT SURFACE AREA OF THE SEGMENTAL CONCRETE BLOCK WALL IS 163 SQ. FT. FROM TOP OF WALL TO THEORETICAL TOP OF LEVELING PAD.
4. THE FACE OF THE BLOCK WALL SHALL BE COVERED WITH PLASTIC OR OTHER MATERIAL DURING THE SIDEWALK CONSTRUCTION TO PREVENT SPLATTERING OF CONCRETE ON THE BLOCKS.
5. ADDITIONAL SIDEWALK WIDTH MAY BE REQUIRED DUE TO BLOCK WALL OFFSET CHANGES.
6. COST OF LEVELING PAD INCLUDED IN PAY ITEM FOR SEGMENTAL CONCRETE BLOCK WALL.
7. SEE SPECIAL PROVISIONS FOR PAYMENT INFORMATION.



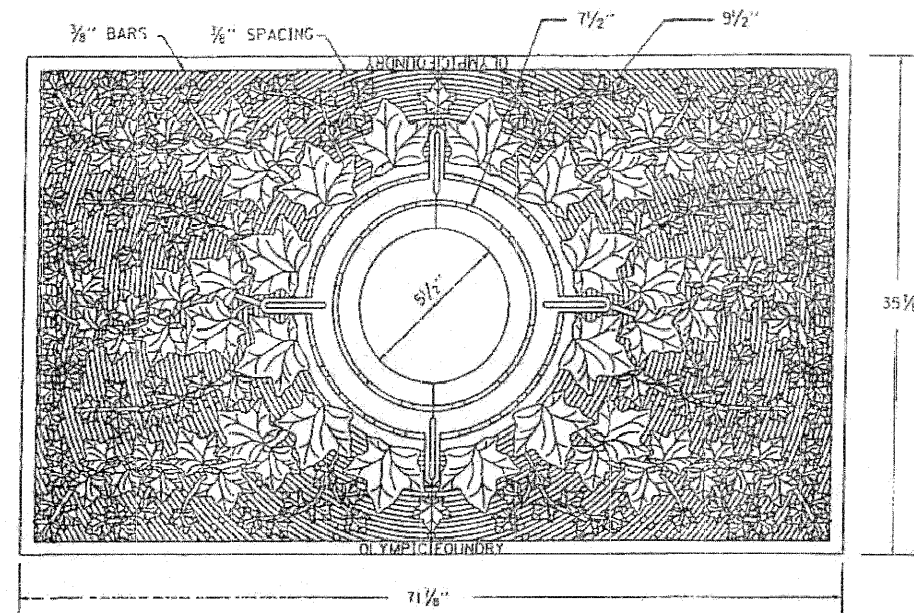
ELEVATION

APPROXIMATE SCALE:
HORIZ. 1" = 4'
VERT. 1" = 2'

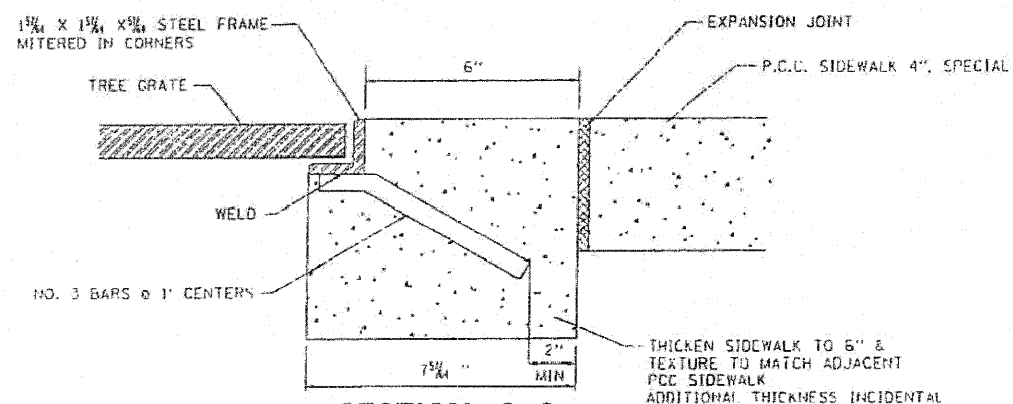
FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SEGMENTAL CONCRETE BLOCK WALL DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#	PLOT SCALE = #SCALE#	DRAWN -	REVISED -					600	60-(30,31,128)-1	MADISON/ST. CLAIR	399	241A
	PLOT DATE = #DATE#	CHECKED -	REVISED -		SCALE: N/A	SHEET NO. 1 OF 1 SHEETS	STA. N/A TO STA. N/A	CONTRACT NO. 76830				
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



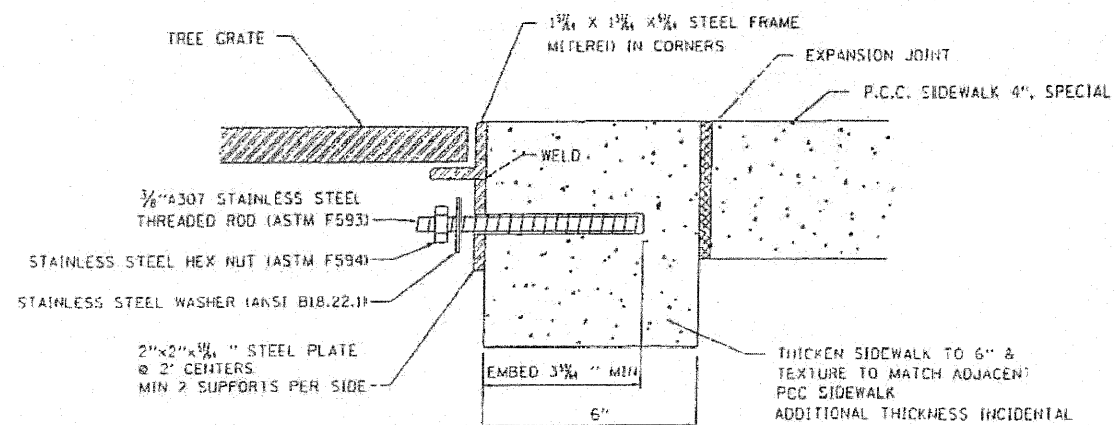
TREE GRATE FRAME DETAIL
(NOT TO SCALE)



TREE GRATE PLAN VIEW
(NOT TO SCALE)

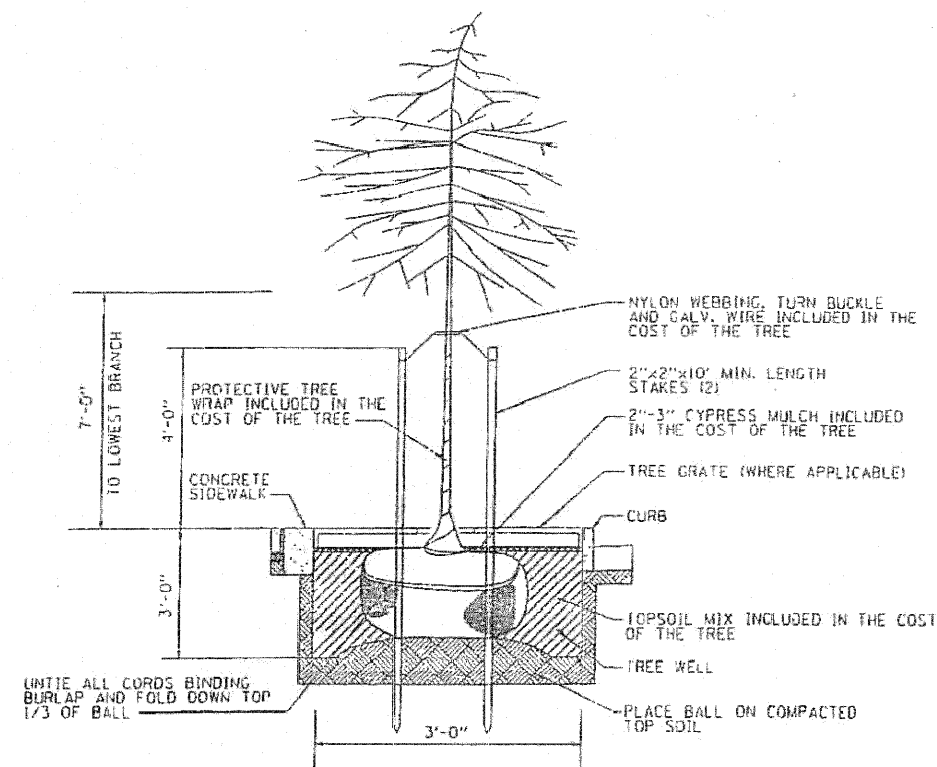


**SECTION C-C
TREE GRATE FRAME DETAIL
OPTION 1**
(NOT TO SCALE)



**SECTION C-C
TREE GRATE FRAME DETAIL
OPTION 2**
(NOT TO SCALE)

EMBED STAINLESS STEEL THREADED ROD WITH A CAPSULE OR ADHESIVE CARTRIDGE TYPE EPOXY SYSTEM. THE CONTRACTOR SHALL INSTALL THE RODS IN PRE-DRILLED HOLES ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS AND PROCEDURES. THE CAPSULE OR THE ADHESIVE CARTRIDGE SHALL BE SEALED WITH PREMEASURED AMOUNTS OF THE ADHESIVE CHEMICAL.



**STREET TREE
PLANTING DETAIL**
(NOT TO SCALE)

FILE NAME = P:\Projects\513581\CADD\DWG\0876830-sh1	USER NAME = default	DESIGNED -	REVISED -
	details.dgn	DRAWN -	REVISED -
	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 12/16/2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TREE GRATE AND PLANTING DETAILS

SCALE: N/A SHEET NO. 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-1	MADISON/ST. CLAIR	399	241B
CONTRACT NO. 76830				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS

1. General Plan and Elevation
2. General Notes, Total Bill of Material, Temporary soil Retention system & Temporary support system
3. Stage Construction Details
4. Temporary Concrete Barrier
5. culvert Barrel
6. culvert Headwalls & parapet
7. culvert details
8. upstream drop box
9. downstream Apron & diversion walls
10. Soldier pile wing walls
11. Soldier pile wall details
12. Soldier pile wall data
13. Steel Railing, type 2399
14. Bar Splicer Assembly details
15. Boring Logs

B.M. # 114 Chiseled \square on center of N. Headwall for concrete box culvert, located on W. side of IL Rte. 159 in "Buff Truck outfitters" parking lot across from historical landmark "Catsup Bottle" Elev. 475.811

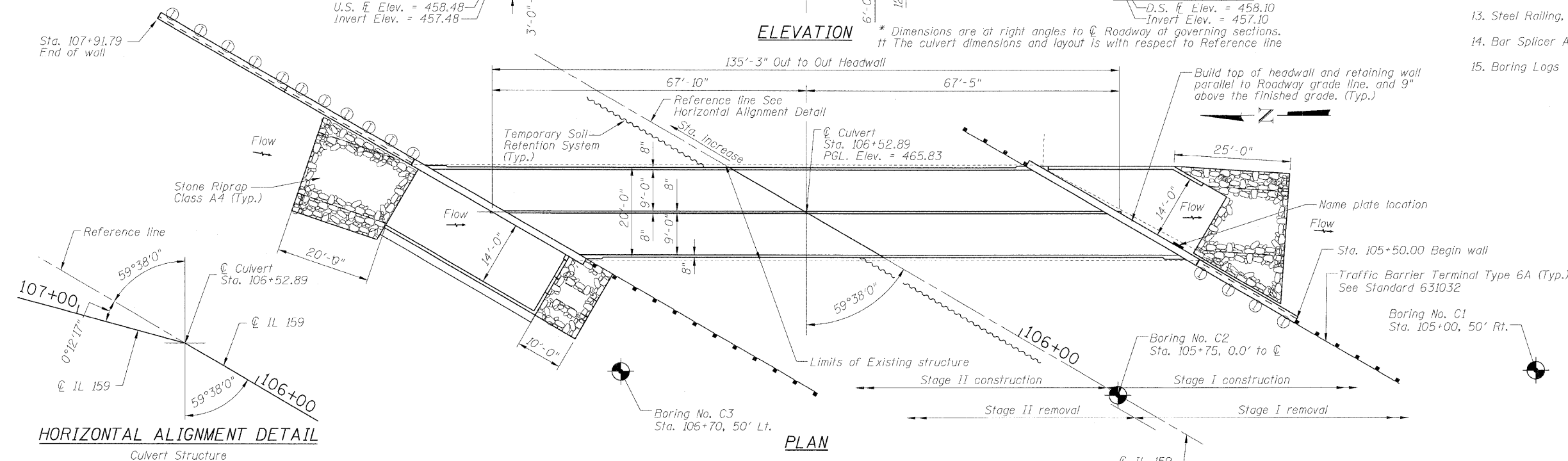
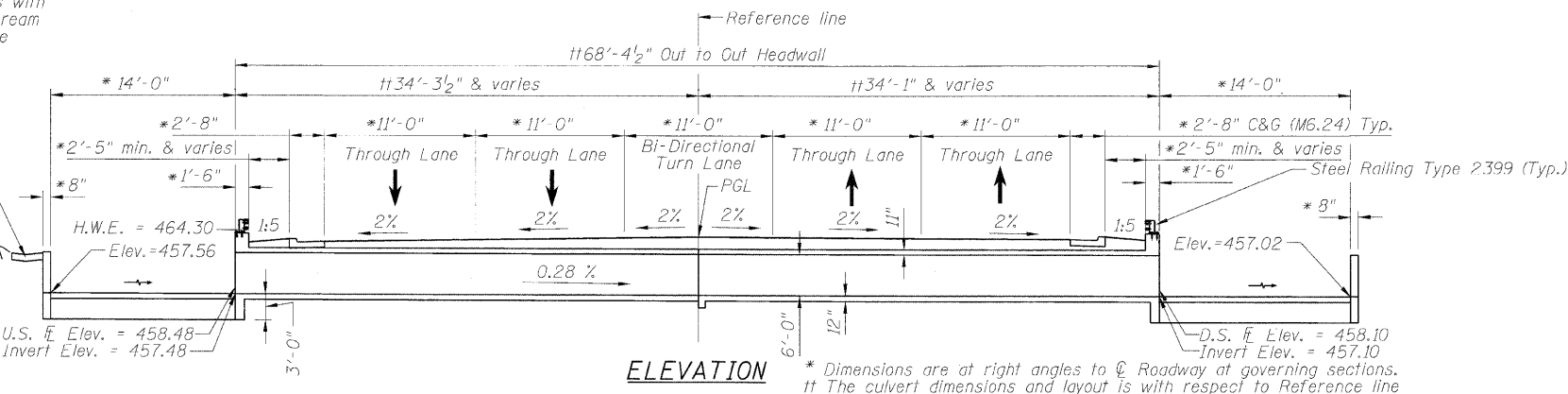
Existing Structure- The structure (structure No. 082-2023) is a triple cell concrete box culvert built in 1934 and extended twice on the downstream (east end in 1985 and 2001. The original structure has three cells at 6.0 ft. by 2.5 ft and is 85.4 ft long. The first extension is 21.8 ft and the latest extension is 26.2 ft long. Both extensions consist of three cells with the two outer cells at 6.25 ft by 5.1 ft and the center cell at 6.5 ft by 5.1 ft. Two concrete headwalls with wing walls are located at both the upstream and downstream ends. The culvert is at a skew of 59.6 degrees with the roadway.

Existing culvert is to be removed and replaced.

Stage construction: One lane of traffic shall be maintained in each direction utilizing stage construction.

No Salvage-

Type B gutter (Std. 606201) See Roadway Plans



STATION 106+52.89
BUILT 2009 BY
STATE OF ILLINOIS
F.A.P. RT. 600 SEC. 60-(30,31,128)-1
LOADING HS20
STRUCTURE NO: 082-2044

NAME PLATE
See Std. 515001

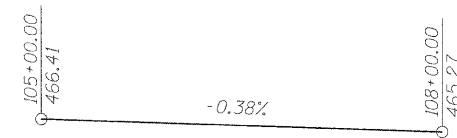


Expires: 11/30/2010

m. j. Karshenas 7-28-2009

APPROVED
FOR STRUCTURAL ADEQUACY ONLY

Robert E. Anderson (SE)
ENGINEER OF BRIDGES AND STRUCTURES



DESIGN SCOUR ELEV. TABLE

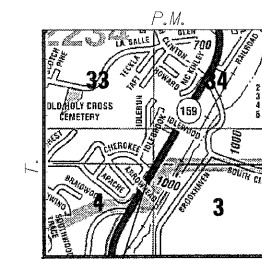
Design Scour Elevation (feet)	Upstream	Downstream
	454.48	454.10

LOADING HS20-44
Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS
2002 AASHTO Standard Specifications for Highway Bridges

DESIGN STRESSES

FIELD UNITS
 $f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 36,000$ psi (Soldier piles.)



LOCATION SKETCH

MID-AMERICA ENGINEERING SERVICES

GENERAL PLAN & ELEVATION
IL RTE. 159 OVER BRANCH OF CANTEEN CREEK
FAP ROUTE 600 SEC. 60-(30,31,128)-1
ST. CLAIR COUNTY
STA. 106+52.89
STRUCTURE NO. 082-2044

DESIGNED - KRG
CHECKED - MJK
DRAWN - GSJ
CHECKED - MJK

WATERWAY INFORMATION									
Drainage Area = 0.358sq. miles Low Grade Elev. 464.8 @ Sta. 109+50									
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist.	Prop.	Nat. H.W.E.	Head - Ft. Exist.	Prop.	Headwater El. Exist.	Prop.
Design	50	632	45	90	464.3	3.0	2.50	467.3	466.8
Base	100	831	45	90	464.7	3.4	2.70	468.1	467.4
Overtopping	<10	293	45	90	463.4	2.2	1.90	465.6	465.3

10 year Velocity through proposed culvert = 3.3'/sec. 10 year Velocity through existing culvert = 6.5'/sec.

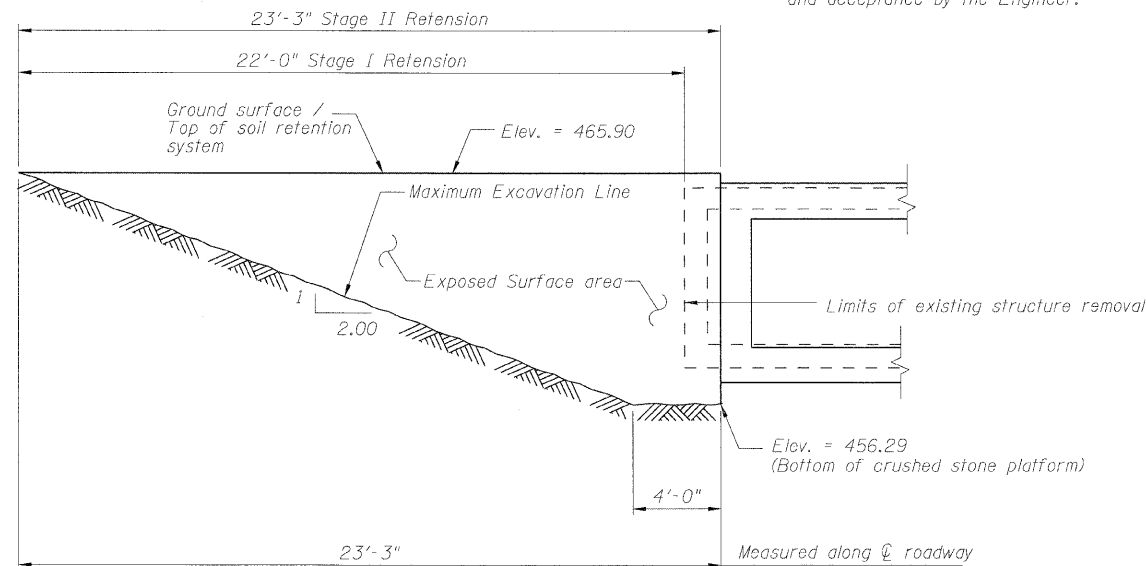
SHEET NO. 1	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
15 SHEETS	600	60-(30,31,128)-1	St. Clair	399	242
		STRUCTURE NO: 082-2044	CONTRACT NO. 76830		
		FED. ROAD DIST. NO. _	ILLINOIS FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

1. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
2. Reinforcement bars designated (E) shall be epoxy coated.
3. Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
4. Precast culvert alternate is not allowed.
5. For back filling and embankment, see Standard Specifications.
6. Protective coat shall be applied to the exposed inside face and top of culvert headwalls and wingwalls.

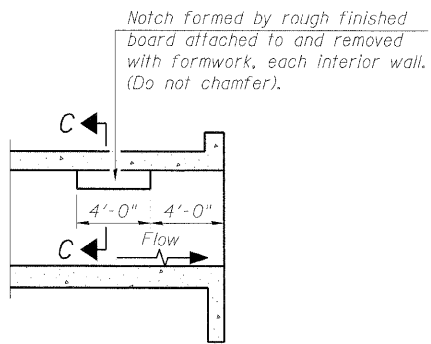
Note:
A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.



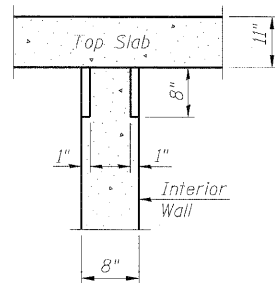
TEMPORARY SOIL RETENTION SYSTEM

TOTAL BILL OF MATERIAL

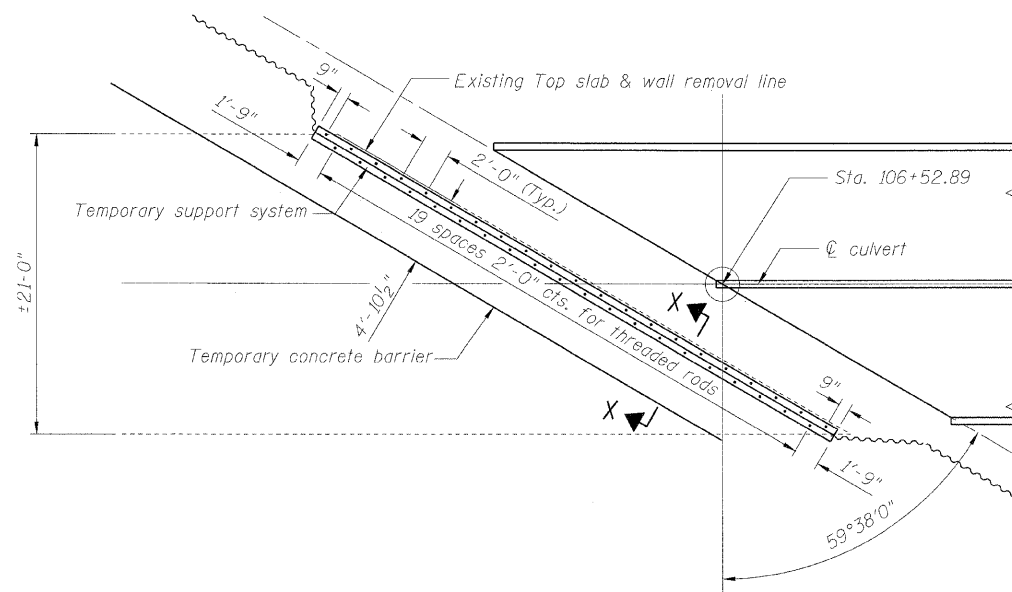
Item	Unit	Total
Stone Riprap, Class A4	Sq. Yd.	113
Filter Fabric	Sq. Yd.	169
Removal of Existing Structures	Each	1
Structure Excavation	Cu. Yd.	69
Concrete Structures	Cu. Yd.	75.7
Reinforcement Bars, Epoxy Coated	Pound	83,420
Bar Splicers	Each	106
Steel Railing, Type 2399	Foot	171
Name Plates	Each	1
Concrete Box Culverts	Cu. Yd.	270.6
Geocomposite Wall Drain	Sq. Yd.	22
Pipe Underdrains for Structures, 4"	Foot	75
Temporary Support System	L. Sum	1
Stud Shear Connectors	Each	186
Furnishing Soldier Piles(w section)	Foot	536
Drilling and setting Soldier piles (in soil)	Cu. Ft.	3,950
Untreated Timber Lagging	Sq. Ft.	323
Temporary Soil Retention System	Sq. Ft.	262
Protective coat	Sq. Yd.	43
Floor Drains	Each	7



LONGITUDINAL SECTION

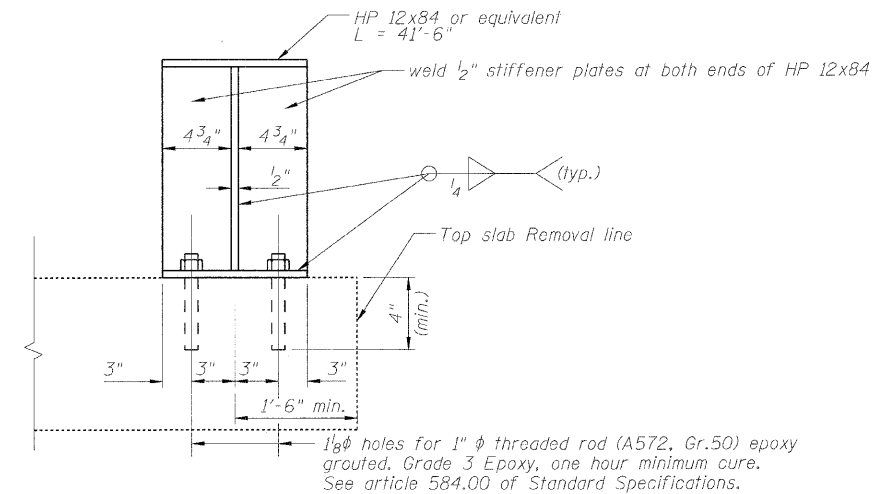


**SECTION C-C
PHOEBE NESTING
SITE DETAILS
(Downstream End Only)**



PLAN

TEMPORARY SUPPORT SYSTEM



SECTION X-X

Note: For location of temporary support system see sht 3 of 15.

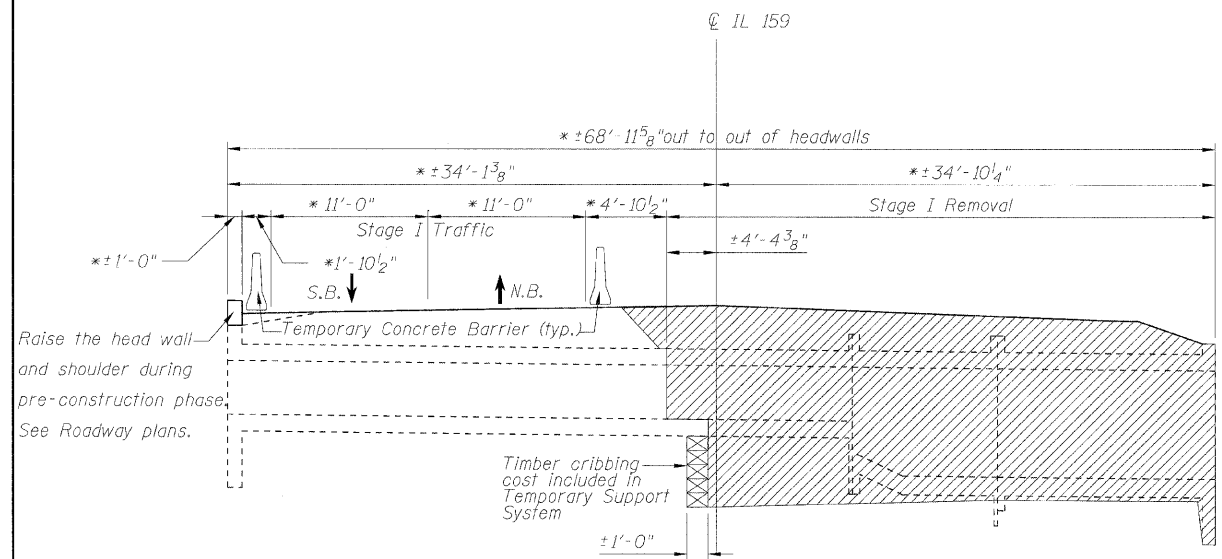
DESIGNED - KRG
CHECKED - MJK
DRAWN - GSJ
CHECKED - MJK

**GENERAL NOTES, TOTAL BILL OF MATERIAL,
TEMPORARY SOIL RETENTION SYSTEM, TEMPORARY SUPPORT SYSTEM
STRUCTURE NO: 082-2044**

SHEET NO. 2	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
15 SHEETS	600	60-(30,31,128)-1	St. Clair	399	243
STRUCTURE NO: 082-2044			CONTRACT NO. 76830		
FED. ROAD DIST. NO. - ILLINOIS			FED. AID PROJECT		

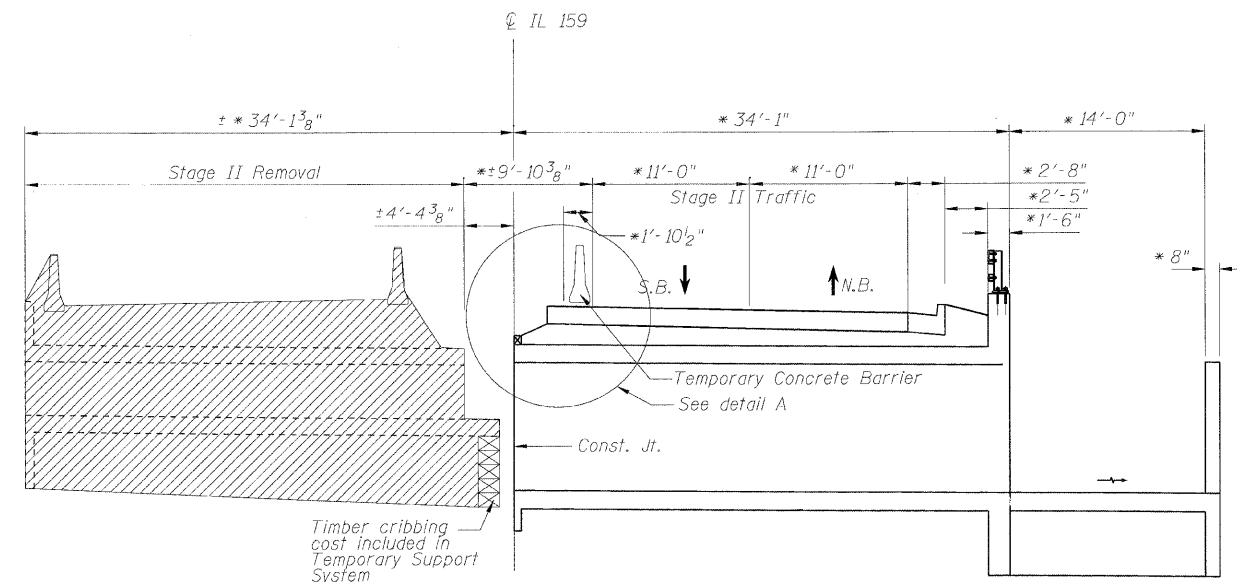
MID-AMERICA ENGINEERING SERVICES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



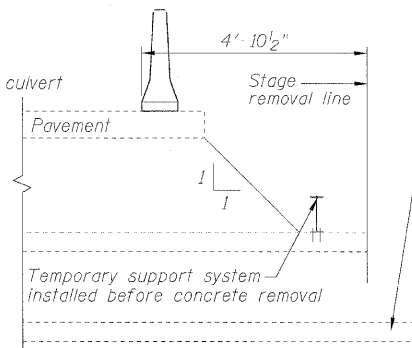
LONGITUDINAL SECTION
STAGE I REMOVAL

* Dimensions are at right angles to \perp Roadway Reference line at \perp culvert

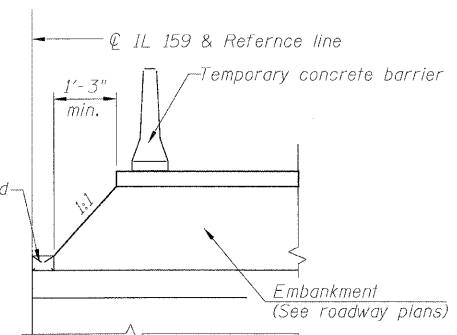


LONGITUDINAL SECTION
STAGE II REMOVAL

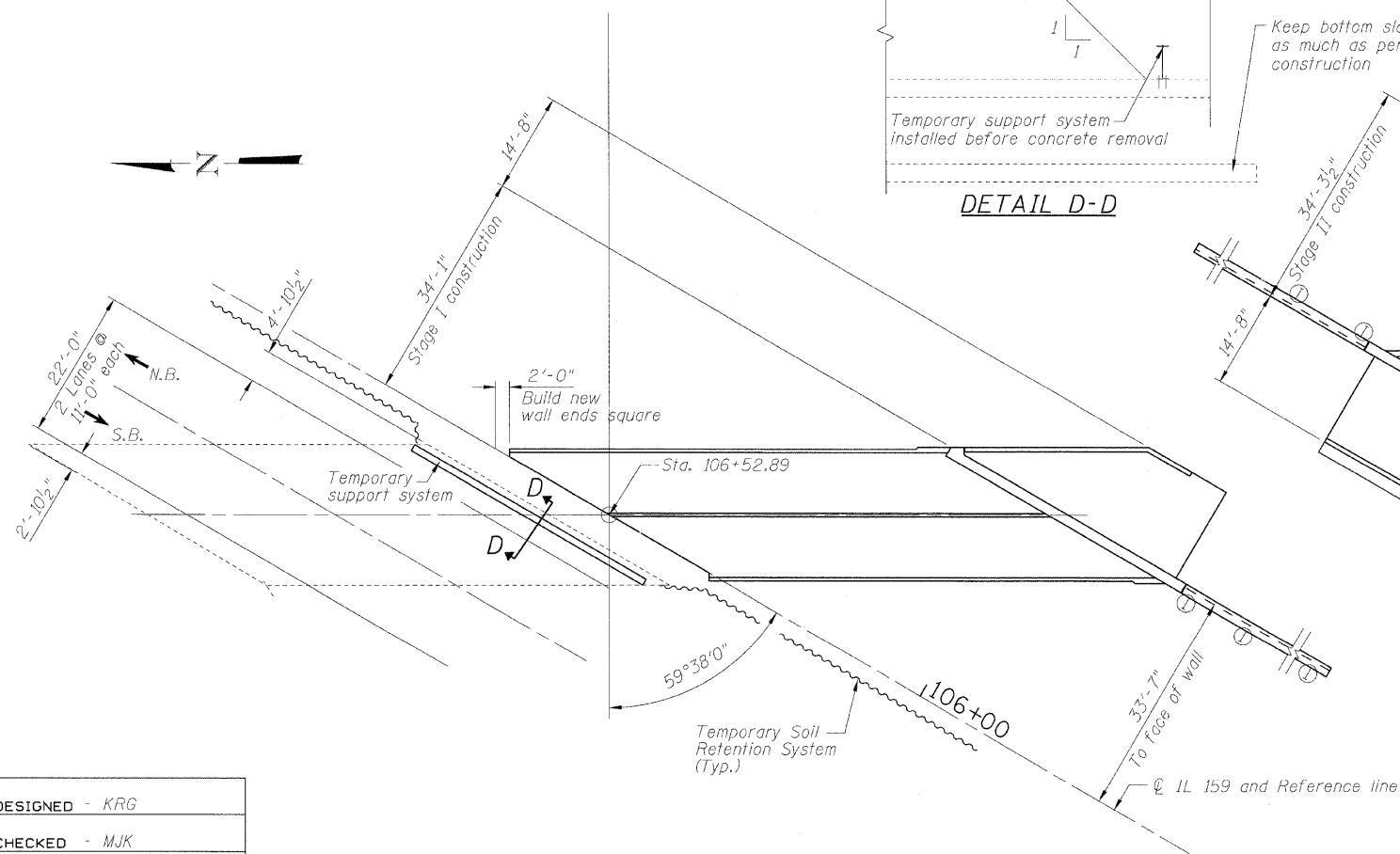
* Dimensions are at right angles to \perp Roadway Reference line at \perp culvert



DETAIL D-D

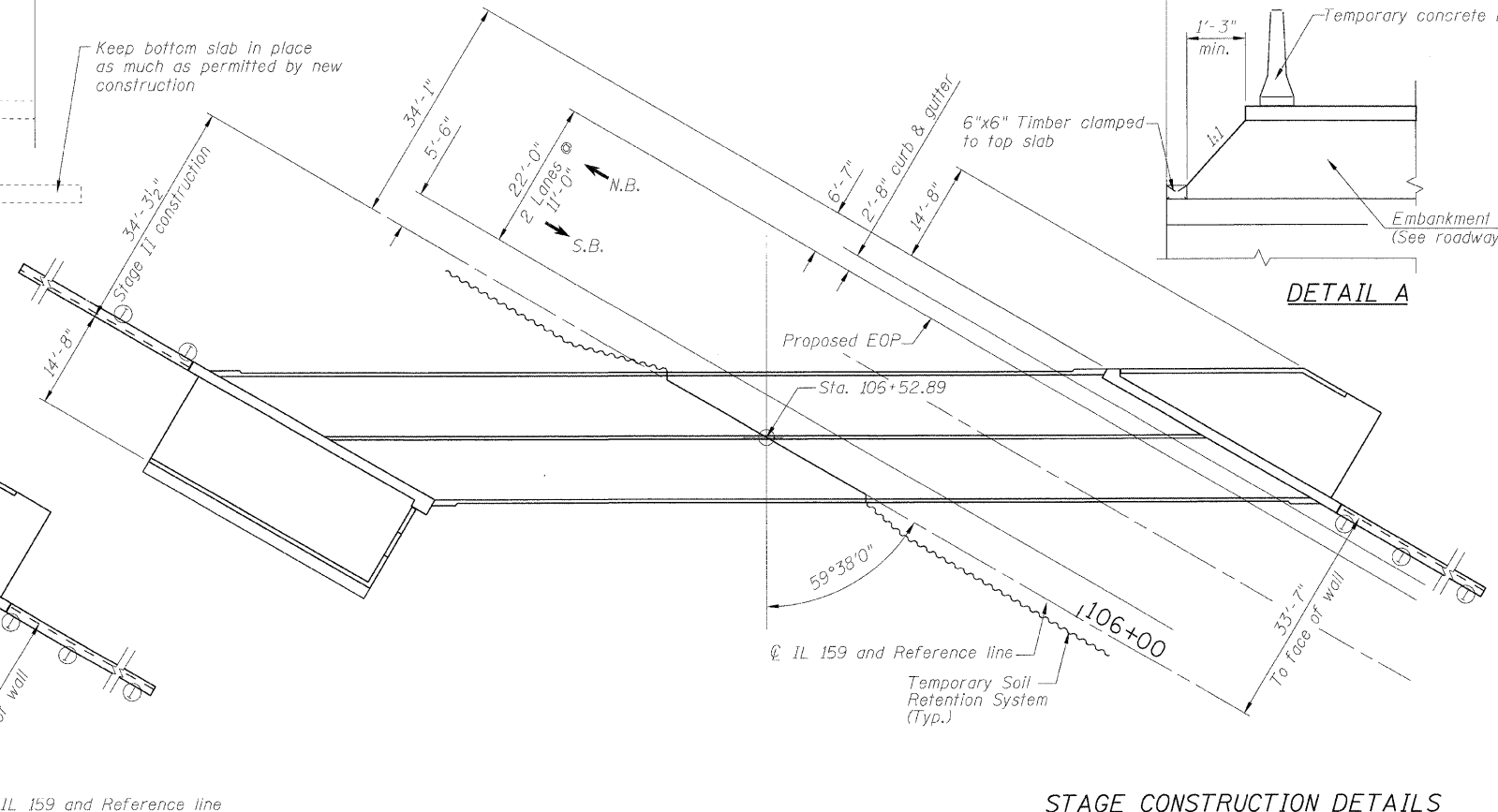


DETAIL A



PLAN VIEW

STAGE I CONSTRUCTION



PLAN VIEW

STAGE II CONSTRUCTION

STAGE CONSTRUCTION DETAILS
STRUCTURE NO: 082-2044

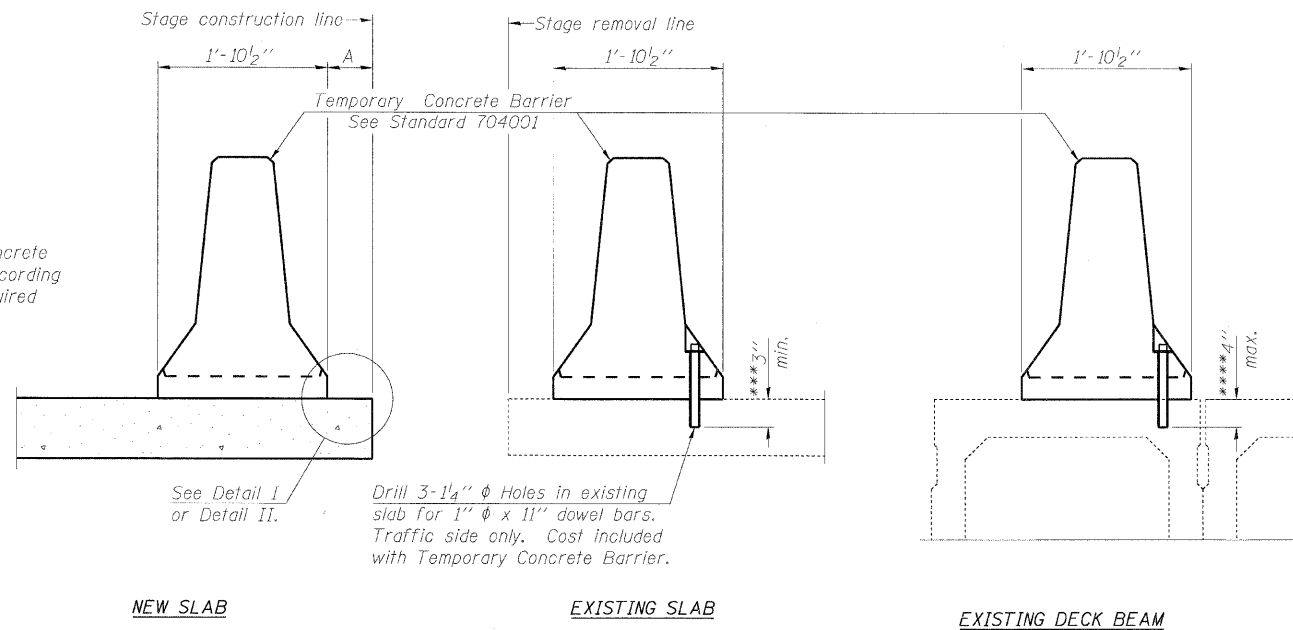
DESIGNED - KRG
CHECKED - MJK
DRAWN - GSJ
CHECKED - MJK

SHEET NO. 3	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	600	60-(30,31,128)-1	St. Clair	399	244
15 SHEETS	STRUCTURE NO: 082-2044		CONTRACT NO. 76830		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

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When "A" is 3'-6" or less, the temporary concrete barrier shall be anchored to the new slab according to Detail I or Detail II. No anchorage is required when "A" is greater than 3'-6".



SECTIONS THRU SLAB OR DECK BEAM

NOTES

Detail I - With Bar Splicer or Couplers:
Connect one (1) 1"x7"x10" steel \bar{L} to the top layer of couplers with 2-5/8" ϕ bolts screwed to coupler at approximate \bar{C} of each barrier panel.

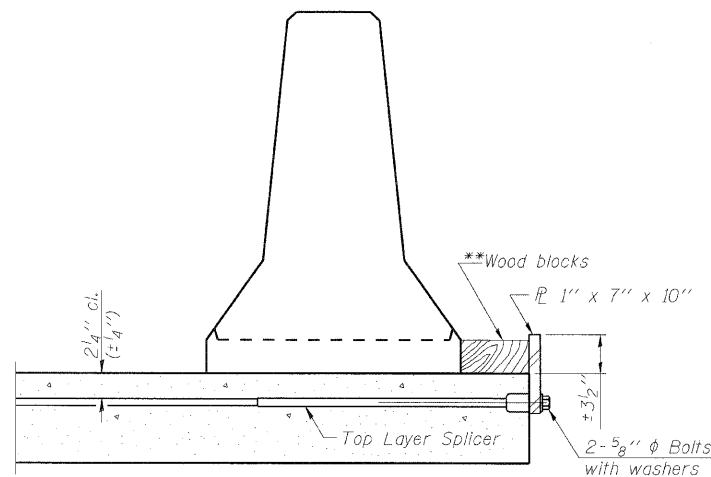
Detail II - With Extended Reinforcement Bars:
Connect one (1) 1"x7"x10" steel \bar{L} to the concrete slab or concrete wearing surface with 2-5/8" ϕ Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate \bar{C} of each barrier panel.

Cost of anchorage is included with Temporary Concrete Barrier. The 1" x 7" x 10" plate shall not be removed until stage II construction forms and all reinforcement bars are in place and the concrete is ready to be placed.

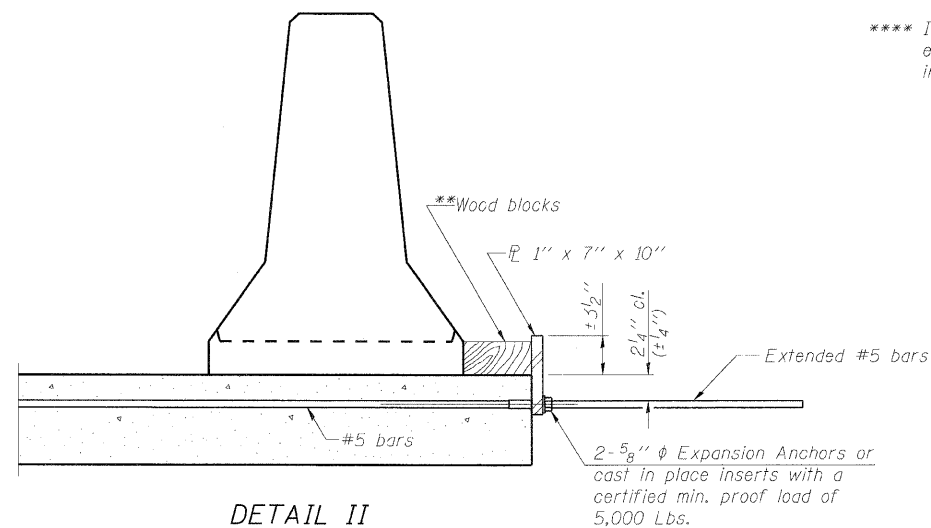
For pay item "Temporary concrete Barrier" see Roadway plans.

*** Dimension shown is minimum required embedment into concrete. If hot-mix asphalt wearing surface is present, minimum embedment shall be in addition to wearing surface depth.

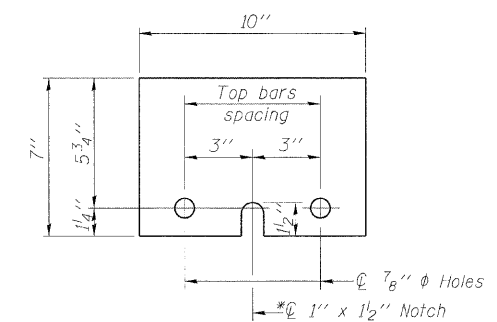
**** If existing deck beam is to remain in place after stage construction, embedment shall only be into wearing surface and not into existing deck beam concrete.



DETAIL I



DETAIL II



STEEL RETAINER \bar{L} 1' x 7' x 10"

* Required only with Detail II

**Wood blocks may be omitted when required to provide minimum stage traffic lane width. When the wood blocks are omitted, the concrete barrier shall be in direct contact with the steel retainer plate.

DESIGNED - KRG
CHECKED - MJK
DRAWN - GSJ
CHECKED - MJK

R-27

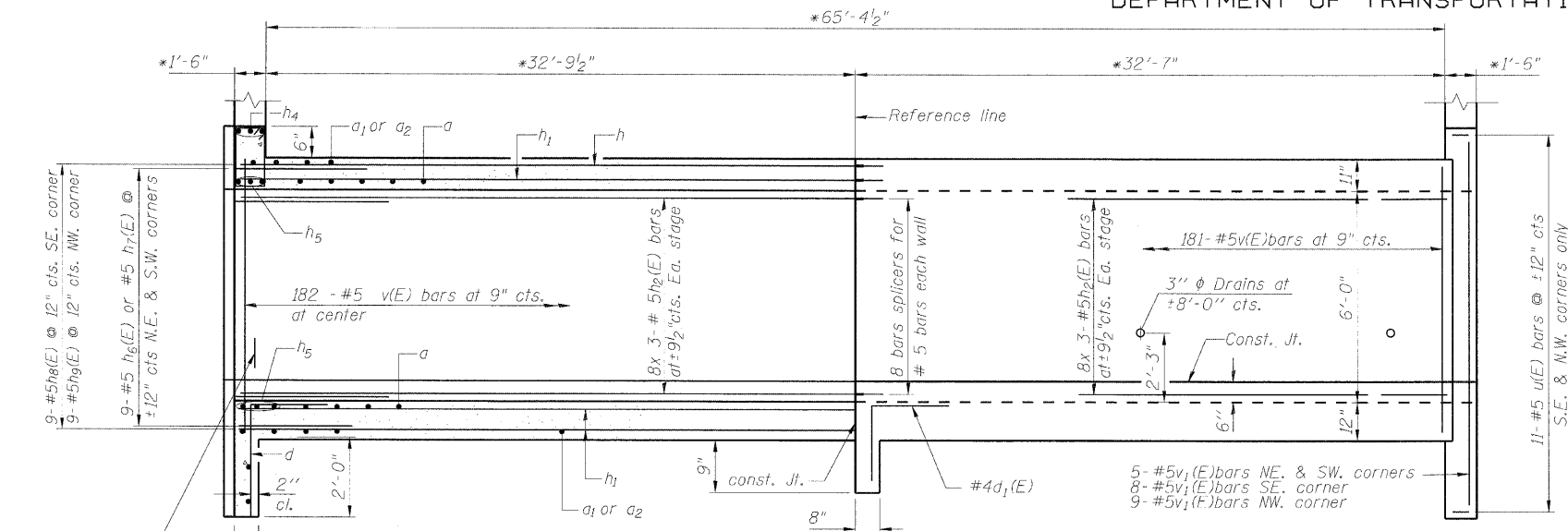
10-1-08

MID-AMERICA ENGINEERING SERVICES

TEMPORARY CONCRETE BARRIER
STRUCTURE NO: 082-2044

SHEET NO. 4 15 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	600	60-(30,31,128)-1	St. Clair	399	245
STRUCTURE NO: 082-2044			CONTRACT NO. 76830		
FED. ROAD DIST. NO. -		ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

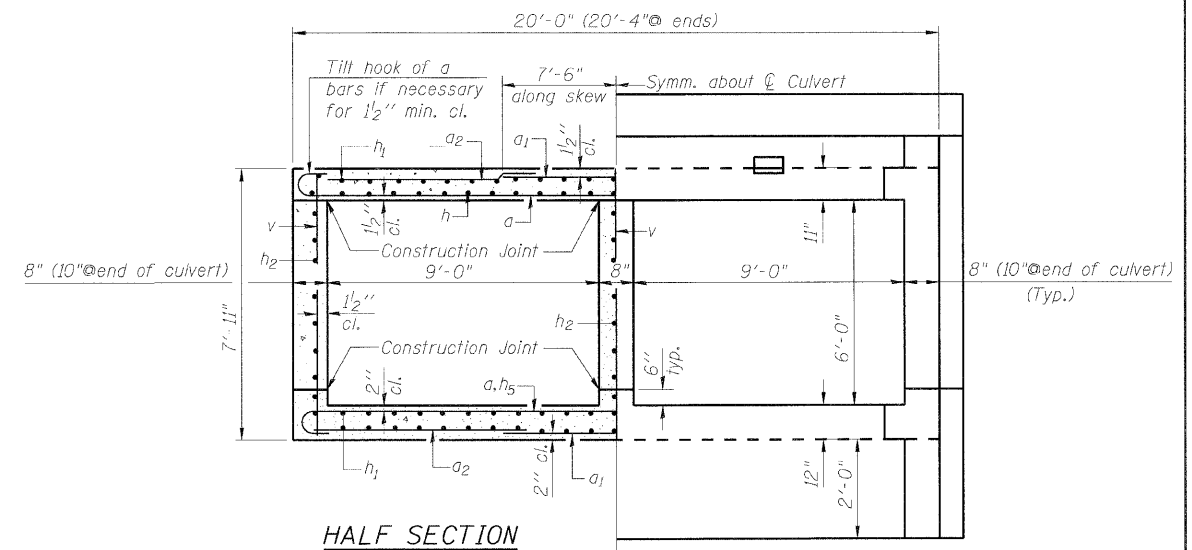


HALF LONG SECTION
Showing bars in Center Wall

HALF ELEVATION
Showing bars in Outside Wall

*Dimensions are at right angles to Reference line

#5v (E) bars
3 each Northeast & Southwest corners
2 each South east & Northwest corner



HALF SECTION THRU BARREL

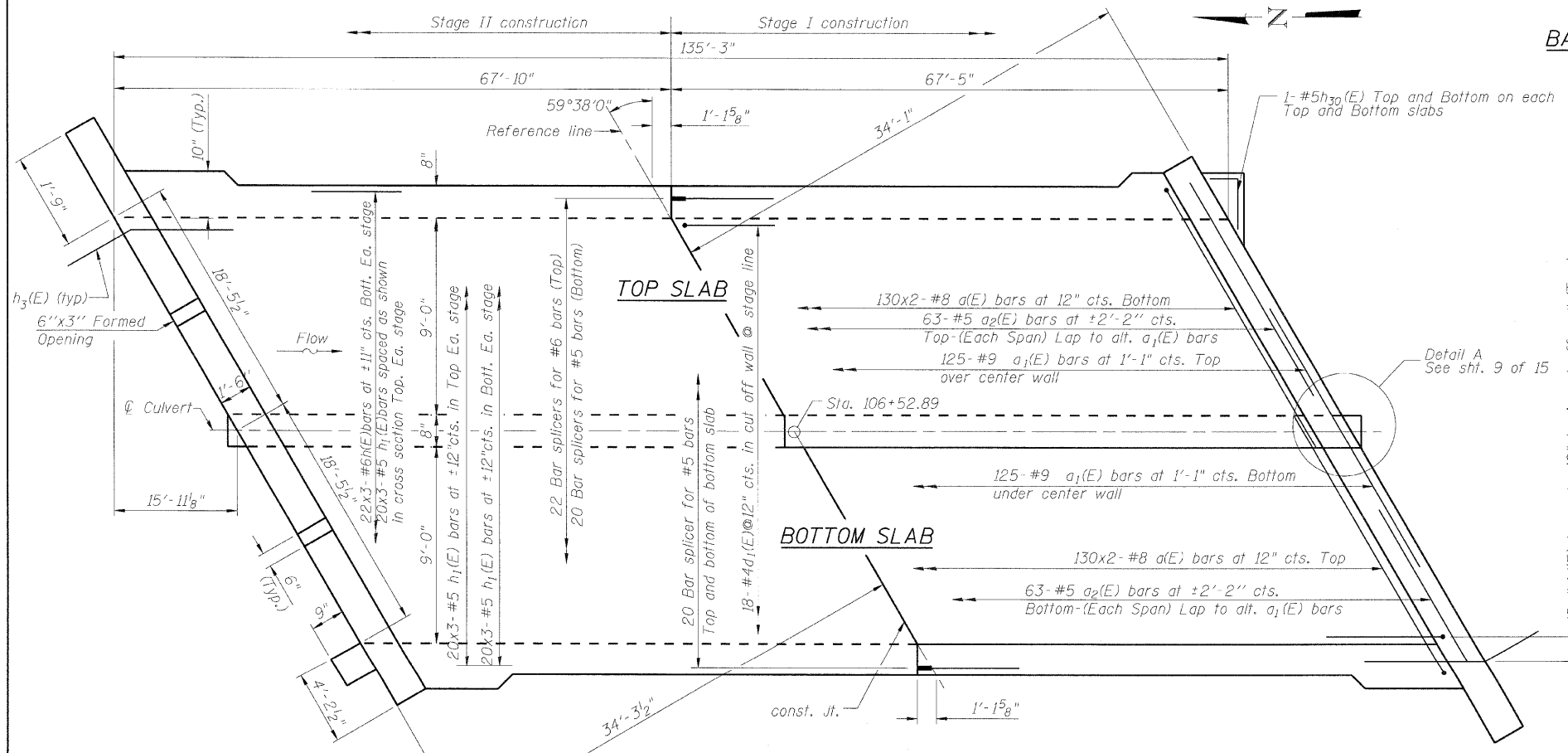
HALF END ELEVATION

BARS h₃₀(E)

BARS d(E) & d₁(E)

BAR a (E)

Notes:
Bars indicated thus 12x4-#5 etc.
indicates 12 lines of bars with 4 lengths
per line.
See sheets 6 & 7 of 15 for additional bar
placement details.



**SHOWING
OUTLINES**

**SHOWING
REINFORCEMENT**

PLAN

Min. bar laps
(unless noted otherwise)
8 bar = 3'-8"
7 bar = 2'-9"
6 bar = 2'-0"
5 bar = 1'-8"

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a (E)	520	#8	22'-7"	C
a ₁ (E)	250	#9	15'-0"	—
a ₂ (E)	252	#5	14'-0"	—
d (E)	36	#4	4'-6"	┌
d ₁ (E)	18	#4	3'-3"	┌
d ₂ (E)	88	#4	2'-3"	┌
d ₃ (E)	44	#6	2'-8"	┌
d ₄ (E)	44	#4	2'-4"	┌
d ₅ (E)	44	#6	3'-9"	┌
d ₆ (E)	44	#4	3'-5"	┌
e (E)	10	#4	22'-5"	—
e ₁ (E)	10	#4	19'-9"	—
h (E)	132	#6	24'-0"	—
h ₁ (E)	360	#5	23'-9"	—
h ₂ (E)	144	#5	24'-0"	—
h ₃ (E)	40	#5	4'-0"	—
h ₄ (E)	18	#8	16'-8"	—
h ₅ (E)	24	#7	22'-8"	—
h ₆ (E)	18	#5	6'-10"	—
h ₇ (E)	18	#5	3'-2"	—
h ₈ (E)	9	#5	6'-5"	—
h ₉ (E)	9	#5	5'-0"	—
h ₃₀ (E)	4	#5	3'-9"	┌
u (E)	22	#5	6'-6"	┌
s (E)	44	#4	5'-5"	□
s ₁ (E)	44	#4	5'-3"	□
v (E)	554	#5	7'-7"	—
v ₁ (E)	27	#5	10'-0"	—
Concrete Box Culverts		Cu. Yd.	270.6	
Reinforcement Bars (Epoxy coated)		Pound	73,740	

**CULVERT BARREL
STRUCTURE NO: 082-2044**

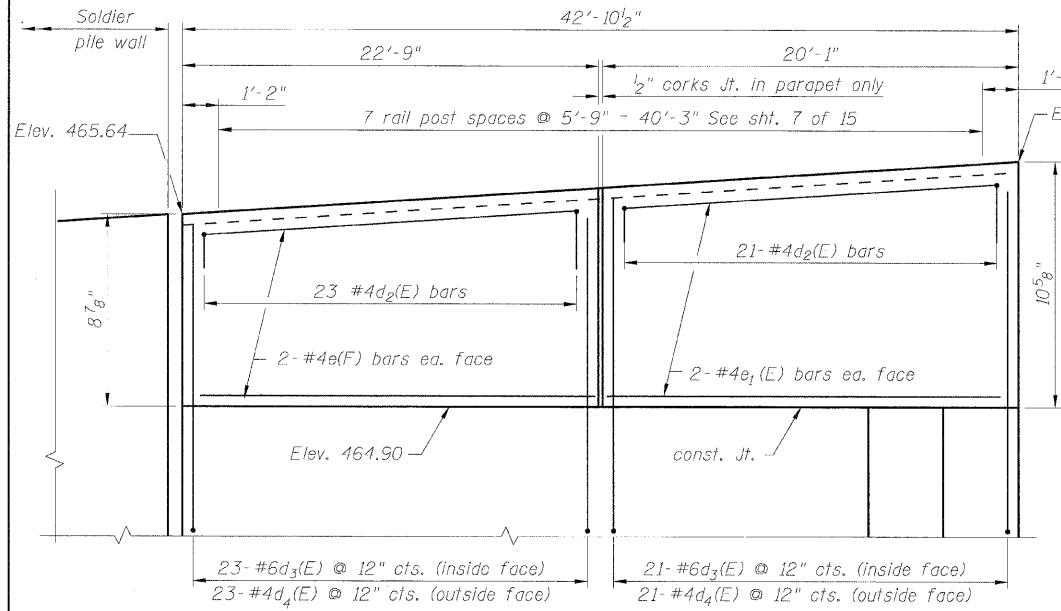
DESIGNED - KRG
CHECKED - MJK
DRAWN - GSJ
CHECKED - MJK

DB-H-L

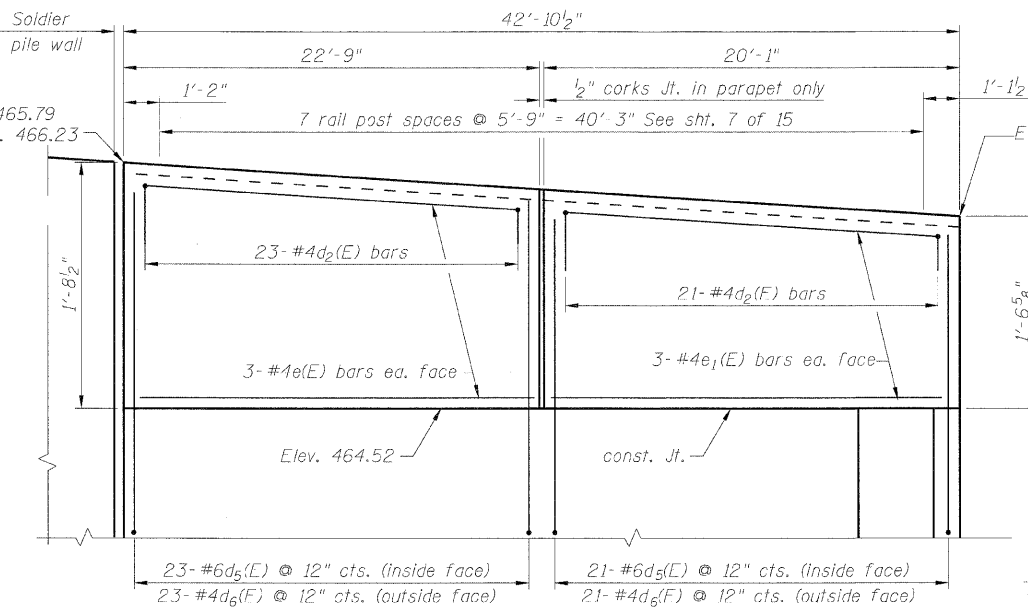
SHEET NO. 5 15 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	600	60-(30,31,128)-1	St. Clair	399	246
STRUCTURE NO: 082-2044			CONTRACT NO. 76830		
FED. ROAD DIST. NO. _		ILLINOIS FED. AID PROJECT			

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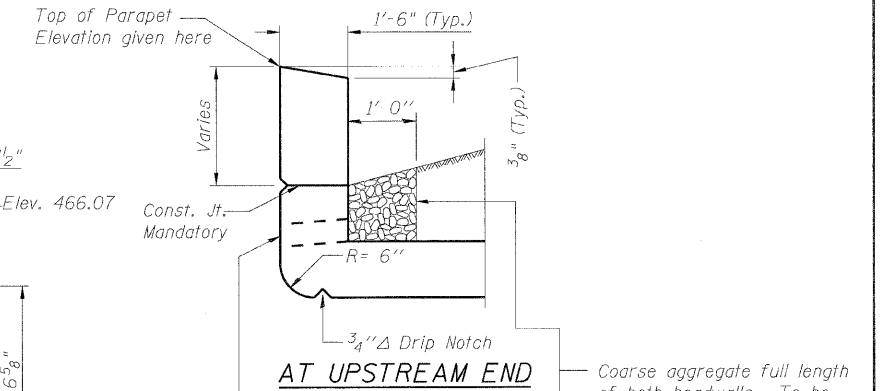
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



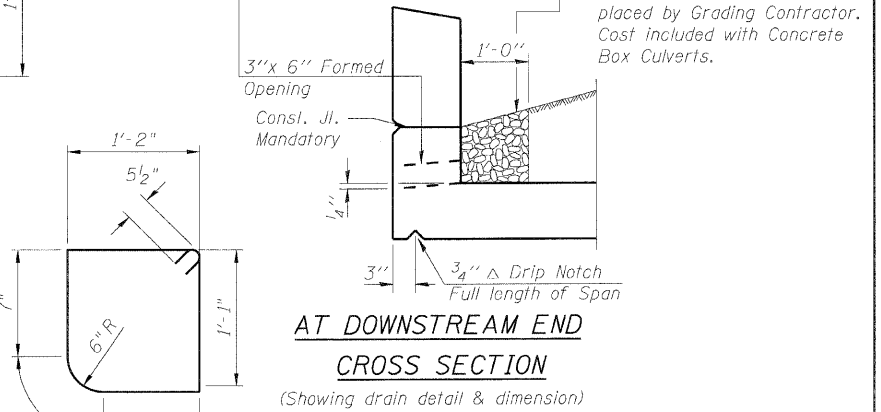
ELEVATION
(U/S HEADWALL & PARAPET)
(Looking D/S)



ELEVATION
(D/S HEADWALL & PARAPET)
(Looking U/S)

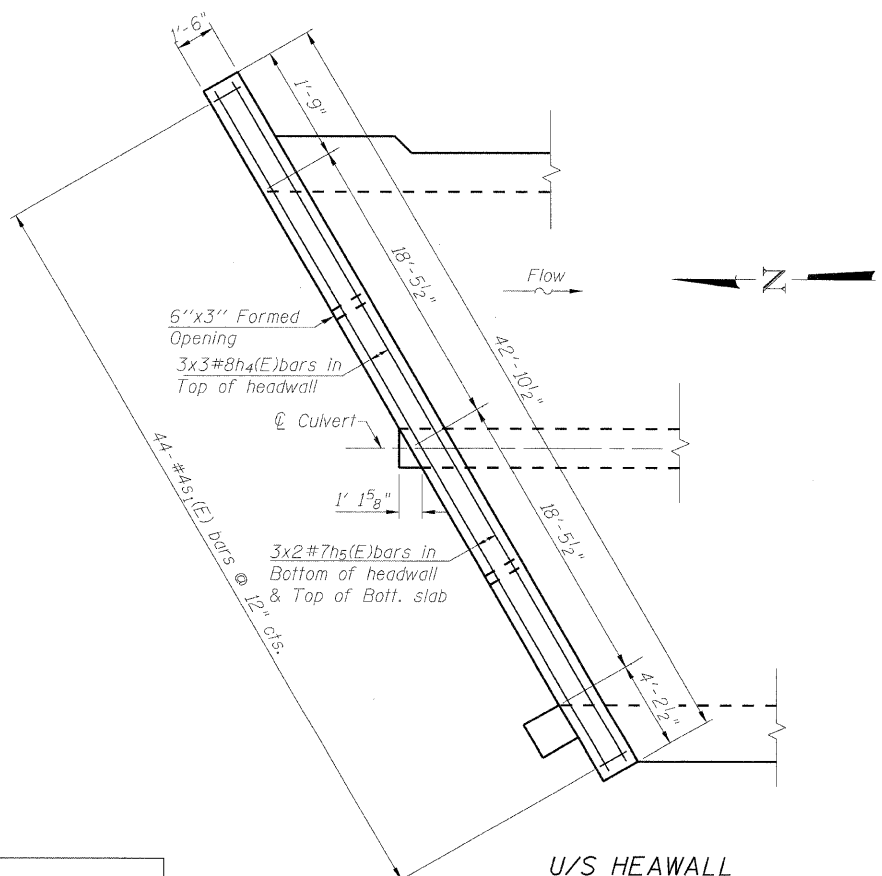


AT UPSTREAM END
Coarse aggregate full length of both headwalls. To be placed by Grading Contractor. Cost included with Concrete Box Culverts.

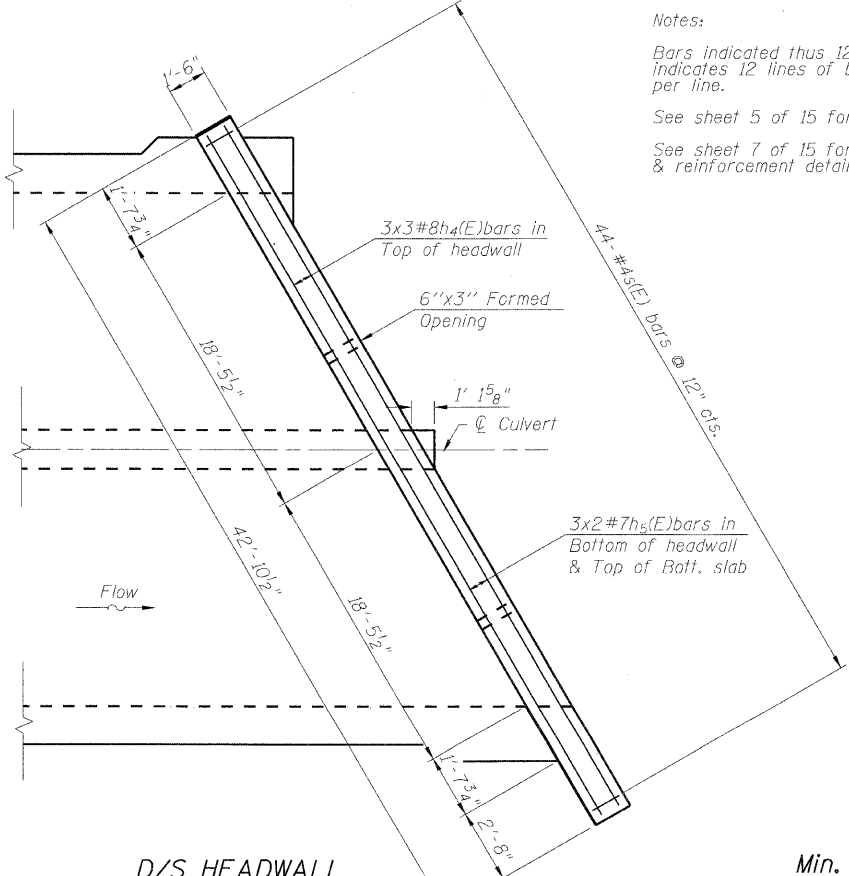


AT DOWNSTREAM END
CROSS SECTION
(Showing drain detail & dimension)

Notes:
Bars indicated thus 12x4-#5 etc. indicates 12 lines of bars with 4 lengths per line.
See sheet 5 of 15 for Bill of Material.
See sheet 7 of 15 for corner dimensions & reinforcement details.



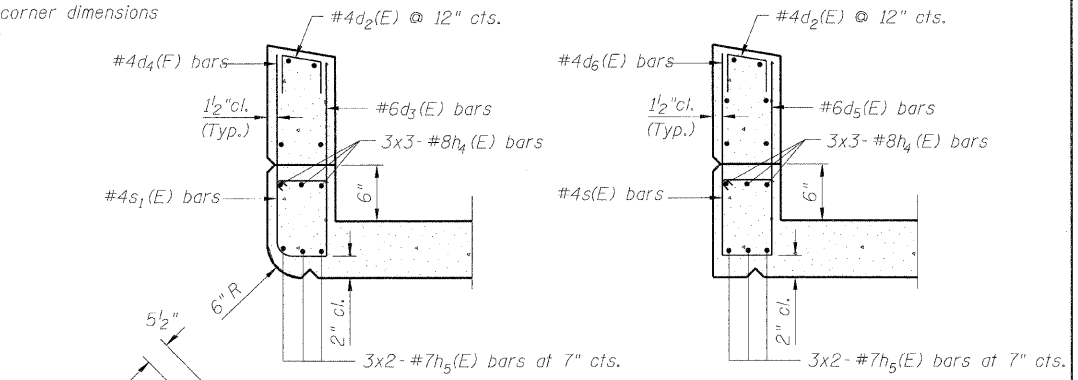
U/S HEADWALL



D/S HEADWALL

PLAN

BAR s1(E)



AT UPSTREAM END

AT DOWNSTREAM END

CROSS SECTION
(Showing reinforcement details)

BAR s(E)

Min. bar laps
(unless noted otherwise)
8 bar = 3'-8"
7 bar = 2'-9"

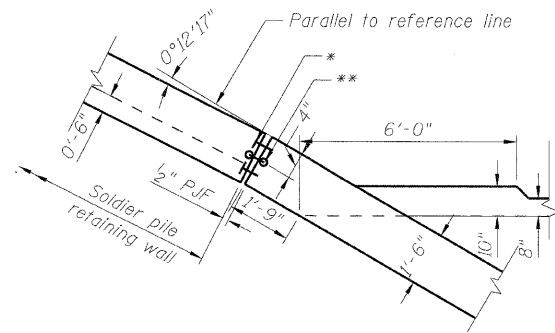
CULVERT HEADWALL & PARAPET
STRUCTURE NO: 082-2044

DESIGNED - KRG
CHECKED - MJK
DRAWN - GSJ
CHECKED - MJK

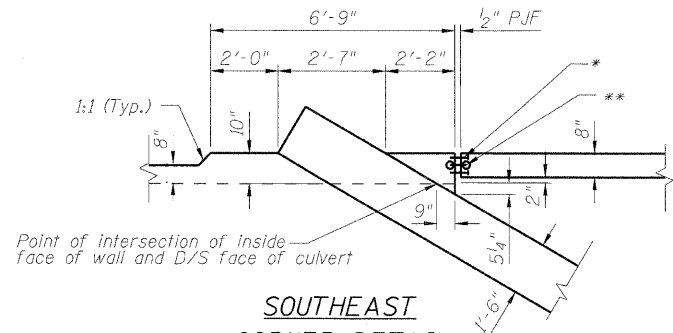
SHEET NO. 6	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	600	60-(30,31,128)-1	St. Clair	399	247
15 SHEETS	STRUCTURE NO: 082-2044		CONTRACT NO. 76830		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

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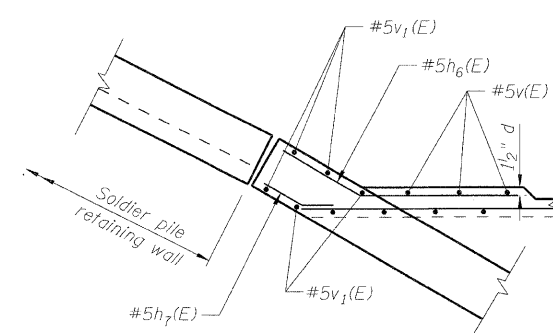
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



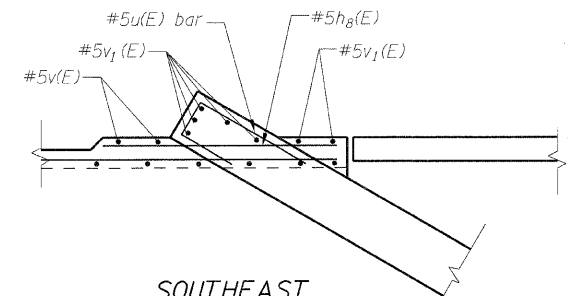
**NORTHEAST
CORNER DETAIL**
(showing dimensions)



**SOUTHEAST
CORNER DETAIL**
(showing dimensions)



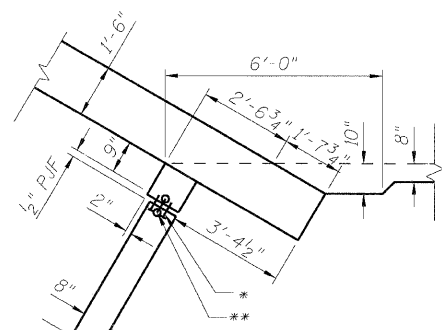
**NORTHEAST
CORNER DETAIL**
(showing reinforcement details)



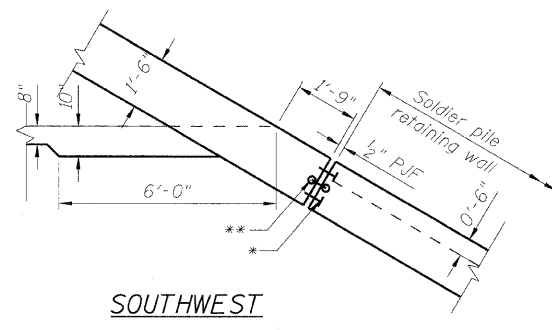
**SOUTHEAST
CORNER DETAIL**
(showing reinforcement details)

* Concrete nails (flat head C.S.)
1" long at 12" cts. vertical

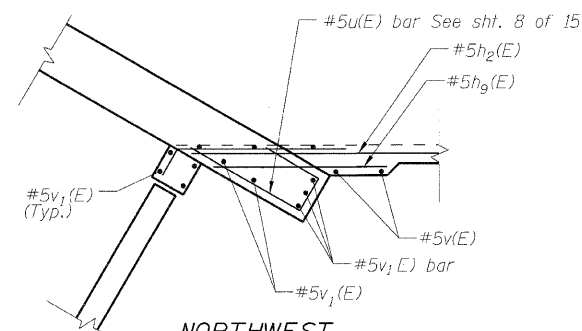
** 6" Hollow bulb dumb bell type nonmetallic water seal
(6" from top of wall to top of Apron floor)
cost included with concrete structures.



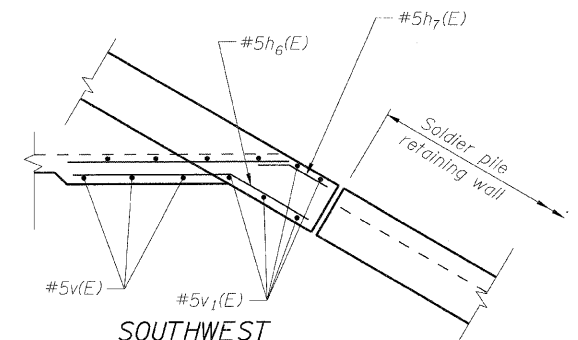
**NORTHWEST
CORNER DETAIL**
(showing dimensions)



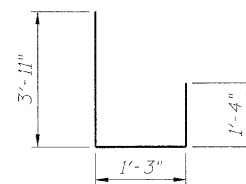
**SOUTHWEST
CORNER DETAIL**
(showing dimensions)



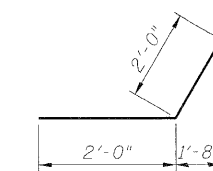
**NORTHWEST
CORNER DETAIL**
(showing reinforcement details)



**SOUTHWEST
CORNER DETAIL**
(showing reinforcement details)



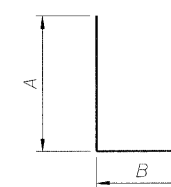
BARS u(E)



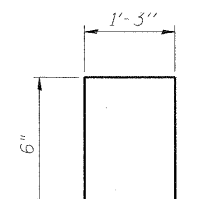
BAR h₃(E)

BAR DIMENSIONS

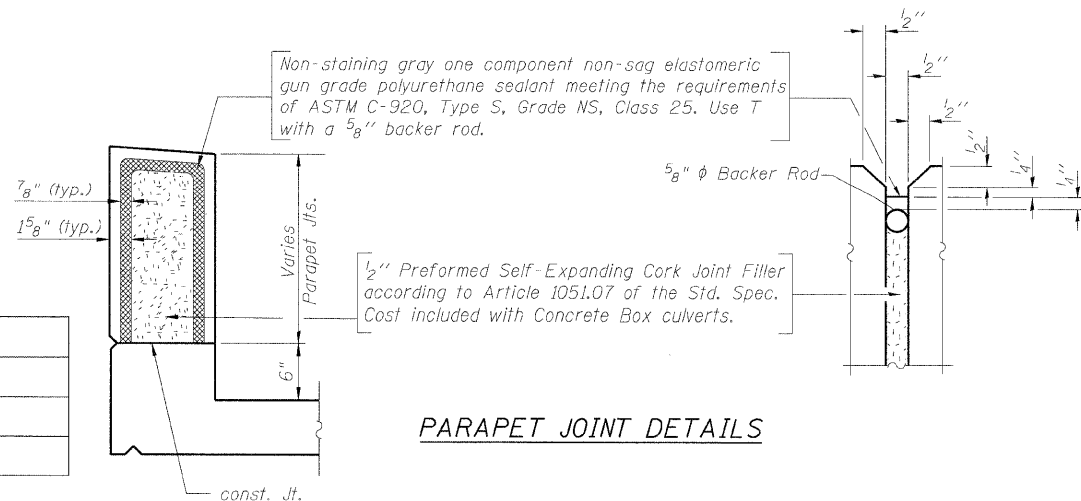
Bar	A	B
d ₃ (E)	1'-8"	1'-0"
d ₄ (E)	1'-8"	8"
d ₅ (E)	2'-9"	1'-0"
d ₆ (E)	2'-9"	8"



BARS d₃(E) to d₆(E)



BARS d₂(E)



PARAPET JOINT DETAILS

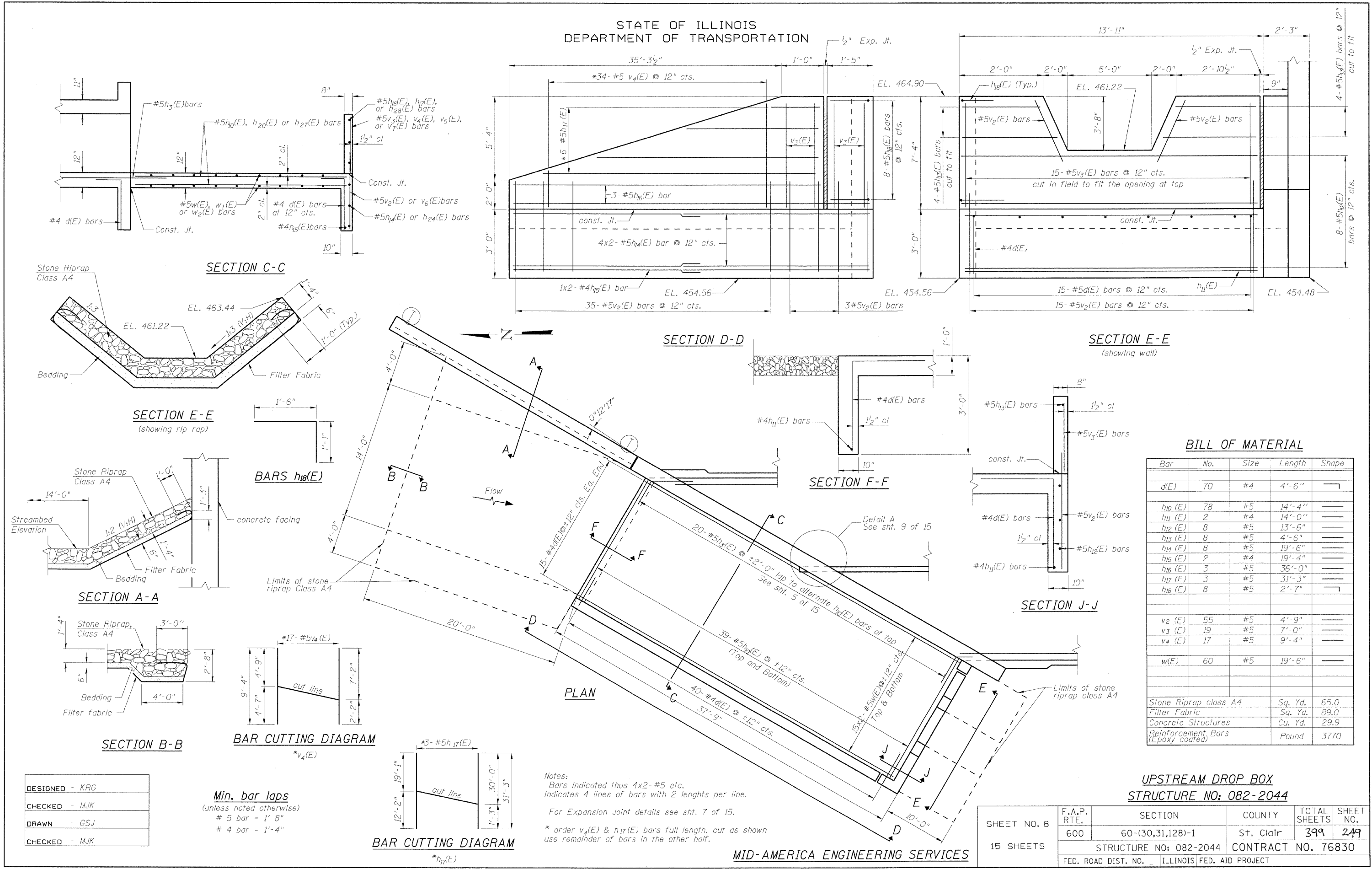
DESIGNED - KRG
CHECKED - MJK
DRAWN - GSJ
CHECKED - MJK

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CULVERT DETAILS
STRUCTURE NO: 082-2044

SHEET NO. 7 15 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	600	60-(30,31,128)-1	St. Clair	399	248
STRUCTURE NO: 082-2044			CONTRACT NO. 76830		
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d(E)	70	#4	4'-6"	┌
h10(E)	78	#5	14'-4"	—
h11(E)	2	#4	14'-0"	—
h12(E)	8	#5	13'-6"	—
h13(E)	8	#5	4'-6"	—
h14(E)	8	#5	19'-6"	—
h15(E)	2	#4	19'-4"	—
h16(E)	3	#5	36'-0"	—
h17(E)	3	#5	31'-3"	—
h18(E)	8	#5	2'-7"	┌
v2(E)	55	#5	4'-9"	—
v3(E)	19	#5	7'-0"	—
v4(E)	17	#5	9'-4"	—
w(E)	60	#5	19'-6"	—
Stone Riprap class A4		Sq. Yd.	65.0	
Filter Fabric		Sq. Yd.	89.0	
Concrete Structures		Cu. Yd.	29.9	
Reinforcement Bars (Epoxy coated)		Pound	3770	

UPSTREAM DROP BOX
STRUCTURE NO: 082-2044

SHEET NO. 8	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
15 SHEETS	600	60-(30,31,128)-1	St. Clair	399	249
STRUCTURE NO: 082-2044			CONTRACT NO. 76830		
FED. ROAD DIST. NO. _		ILLINOIS FED. AID PROJECT			

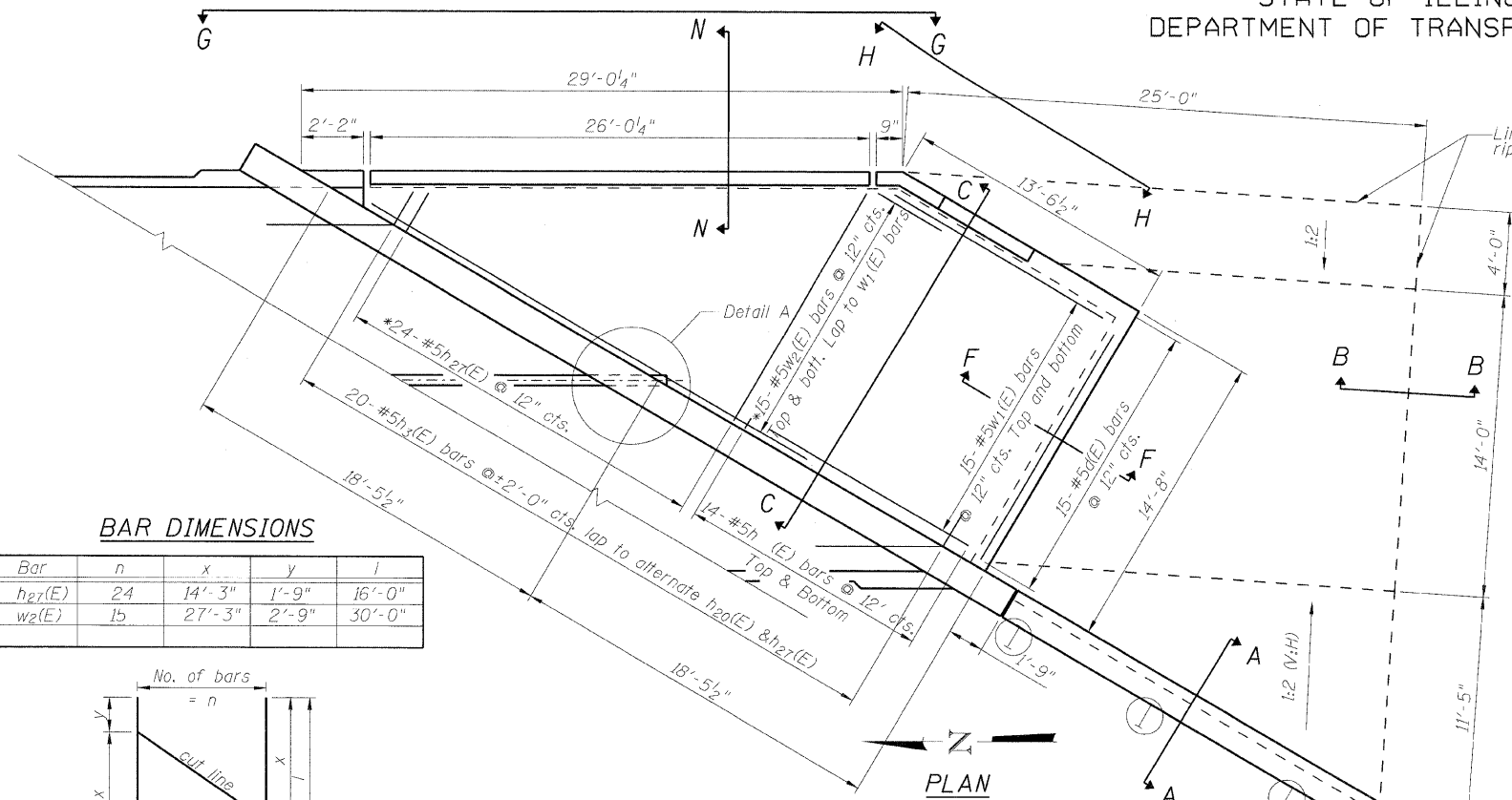
DESIGNED - KRG
CHECKED - MJK
DRAWN - GSJ
CHECKED - MJK

Min. bar laps
(unless noted otherwise)
5 bar = 1'-8"
4 bar = 1'-4"

Notes:
Bars indicated thus 4x2-#5 etc.
indicates 4 lines of bars with 2 lengths per line.
For Expansion Joint details see sht. 7 of 15.
* order v4(E) & h17(E) bars full length, cut as shown
use remainder of bars in the other half.

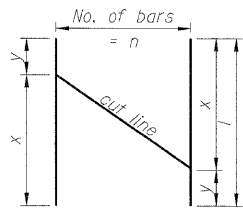
MID-AMERICA ENGINEERING SERVICES

STATE OF ILLINOIS
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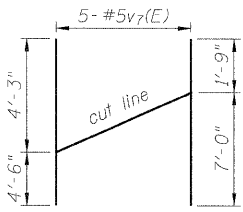


BAR DIMENSIONS

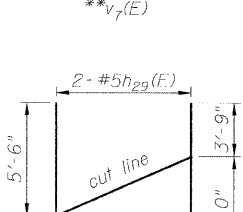
Bar	n	x	y	l
h ₂₇ (E)	24	14'-3"	1'-9"	16'-0"
w ₂ (E)	15	27'-3"	2'-9"	30'-0"



BAR CUTTING DIAGRAM



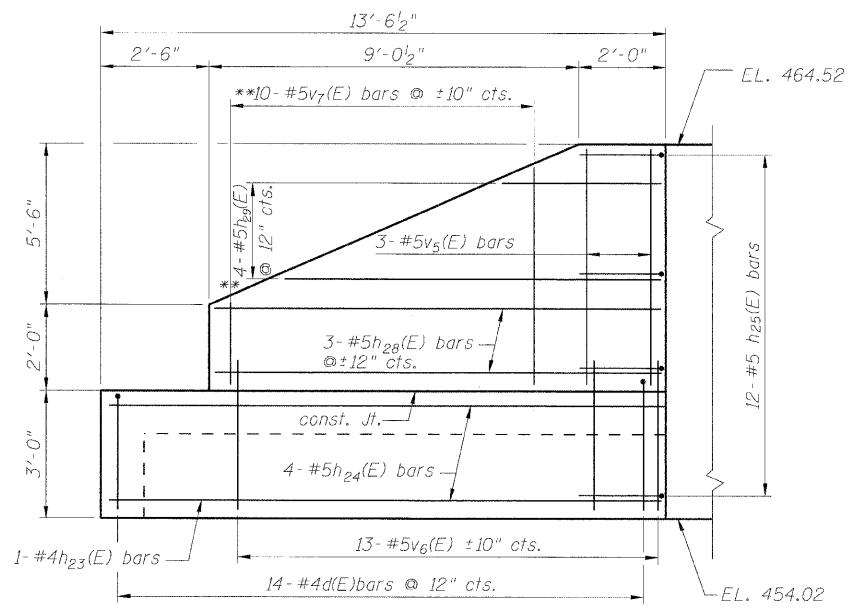
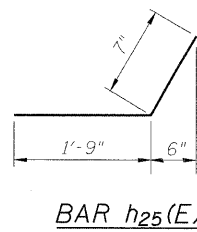
BAR CUTTING DIAGRAM



BAR CUTTING DIAGRAM

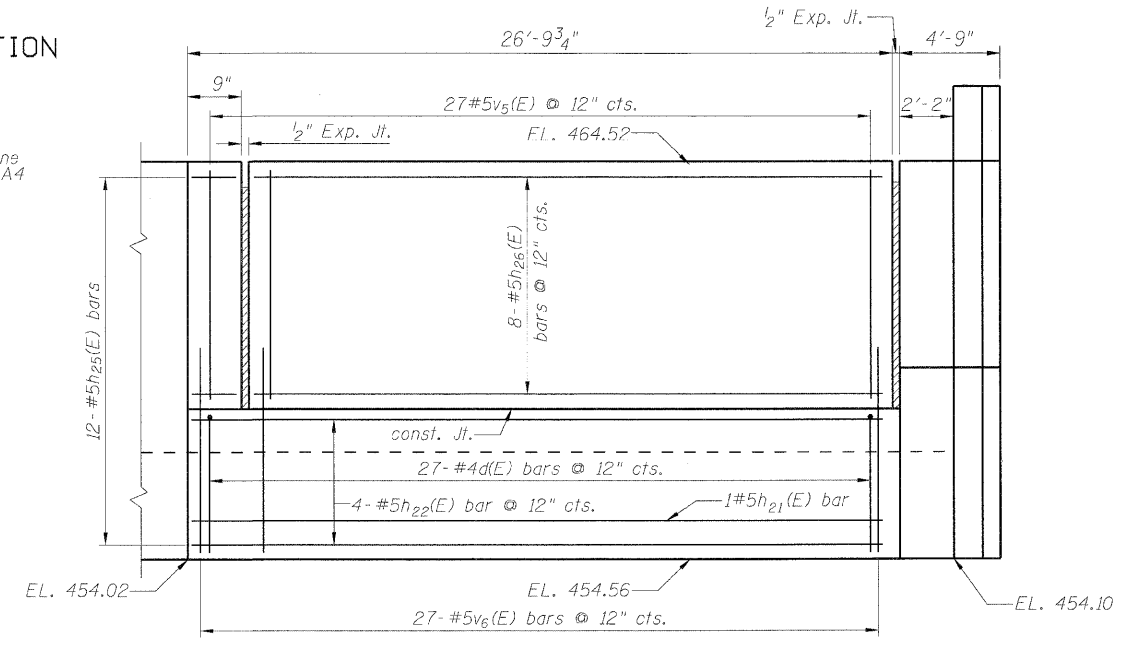
BAR CUTTING DIAGRAM

DESIGNED - KRG
CHECKED - MJK
DRAWN - GSJ
CHECKED - MJK

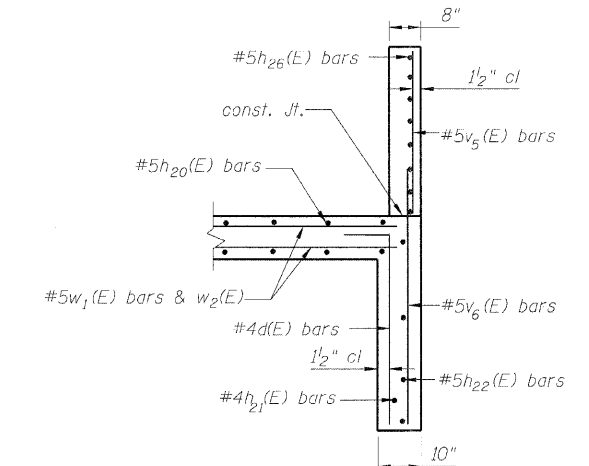


SECTION H-H

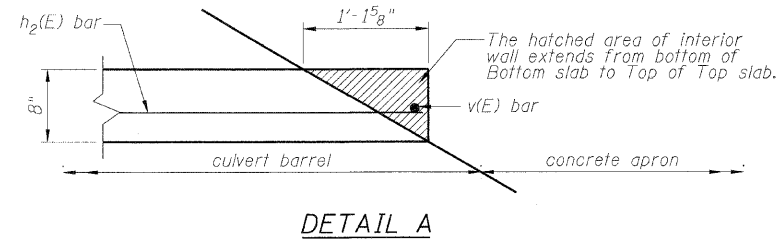
Min. bar laps
(unless noted otherwise)
5 bar = 1'-8"



SECTION G-G



SECTION N-N



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d(E)	56	#4	4'-6"	┌
h ₂₀ (E)	28	#5	14'-5"	—
h ₂₁ (E)	1	#4	26'-5"	—
h ₂₂ (E)	4	#5	26'-5"	—
h ₂₃ (E)	1	#4	13'-2"	—
h ₂₄ (E)	4	#5	13'-2"	—
h ₂₅ (E)	12	#5	2'-4"	┌
h ₂₆ (E)	8	#5	25'-8"	—
h ₂₇ (E)	24	#5	16'-0"	—
h ₂₈ (E)	3	#5	10'-8"	—
h ₂₉ (E)	2	#5	12'-9"	—
v ₅ (E)	30	#5	7'-2"	—
v ₆ (E)	39	#5	4'-9"	—
v ₇ (E)	5	#5	8'-9"	—
w ₁ (E)	30	#5	13'-6"	—
w ₂ (E)	15	#5	30'-0"	—
Stone Riprap class A4		Sq. Yd.	48.0	
Filter Fabric		Sq. Yd.	80.0	
Concrete Structures		Cu. Yd.	23.0	
Reinforcement Bars (Epoxy coated)		Pound	2840	

Note:
 For sections AA, BB, C-C and F-F see sheet 8 of 15.
 For Expansion Jt. detail see sheet 7 of 15.
 Lap alternate h₂₀(E) & h₂₇(E) bars at top layer of apron to h₃(E) bars projecting from culvert Bottom slab.

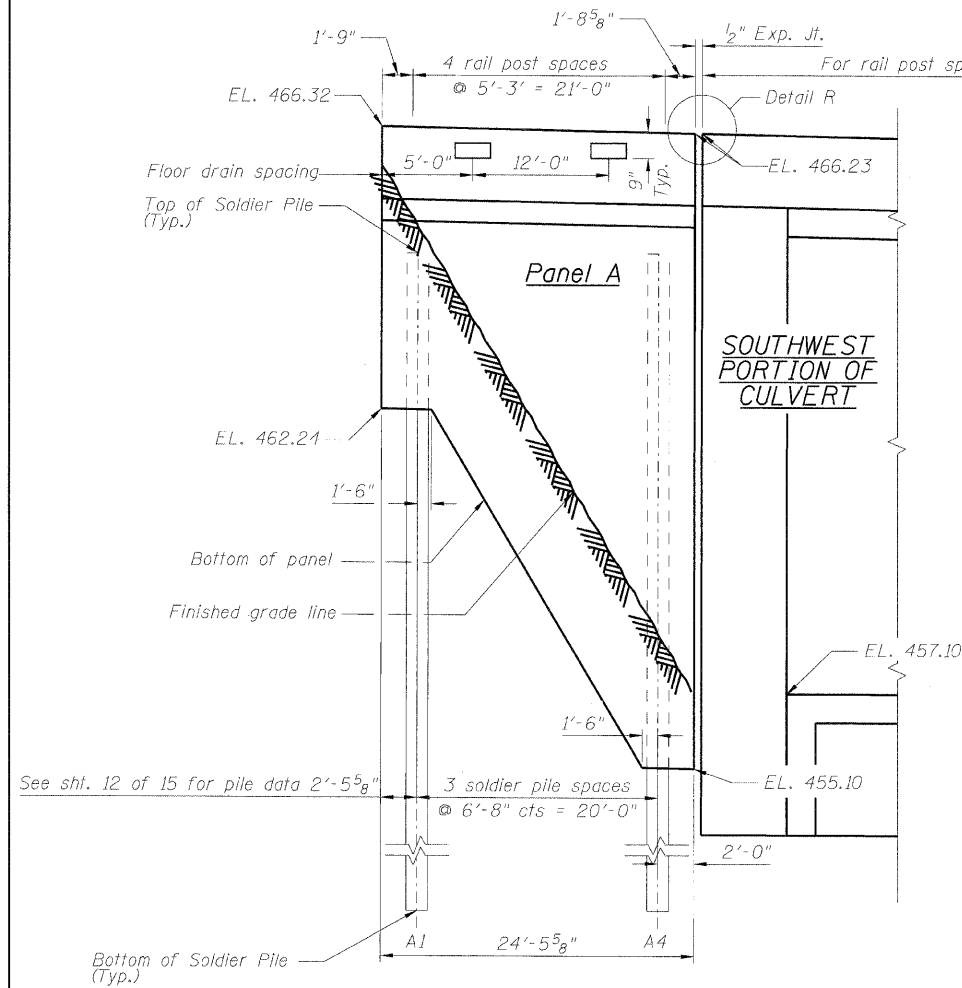
* Order bars h₂₇(E), w₂(E) bars full length cut as shown and use remainder in the opposite face.
 ** Order bars v₇(E) & h₂₉(E) bars full length cut as shown and use remainder in other half.

MID-AMERICA ENGINEERING SERVICES

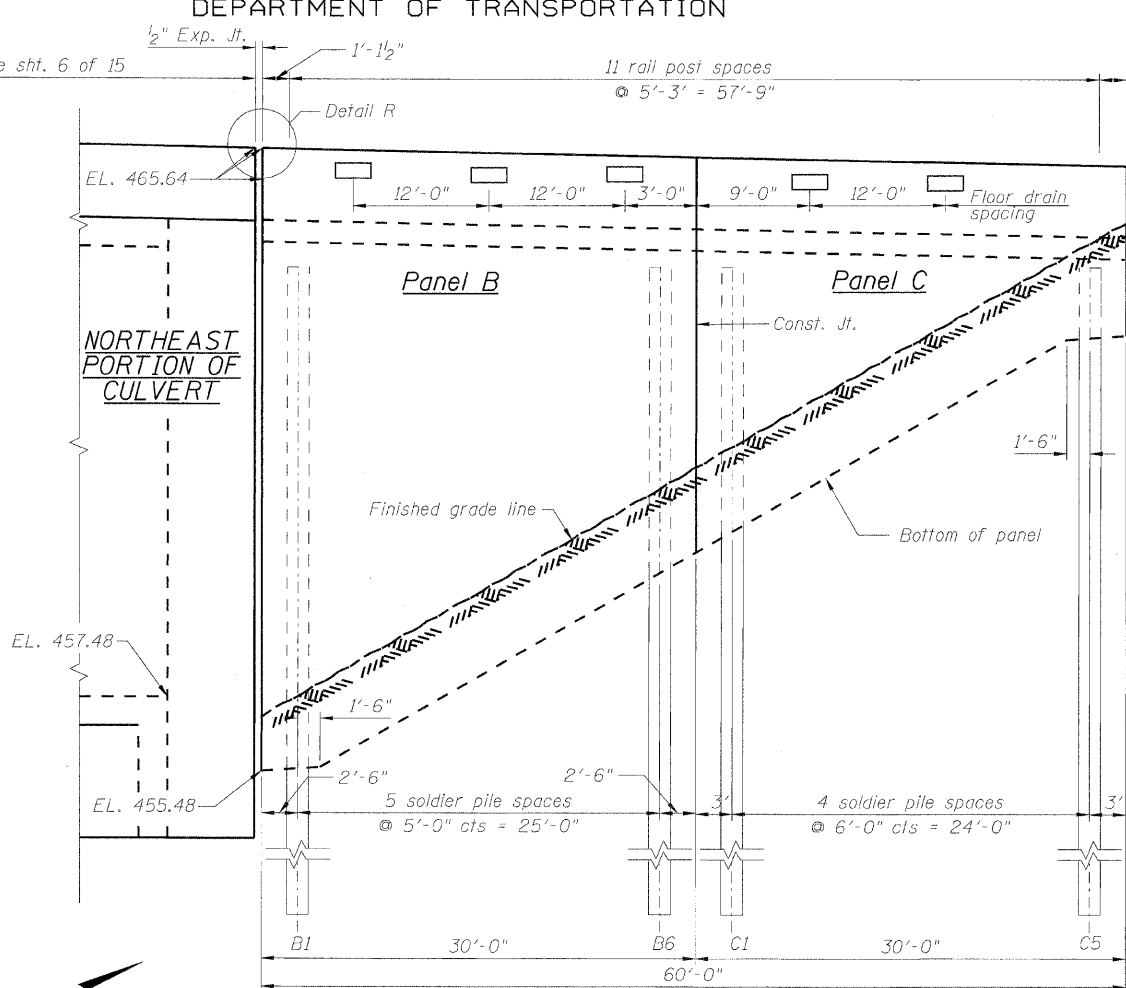
DOWNSTREAM APRON & DIVERSION WALLS
STRUCTURE NO: 082-2044

SHEET NO. 9 15 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	600	60-(30,31,128)-1	St. Clair	399	250
STRUCTURE NO: 082-2044			CONTRACT NO. 76830		
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT			

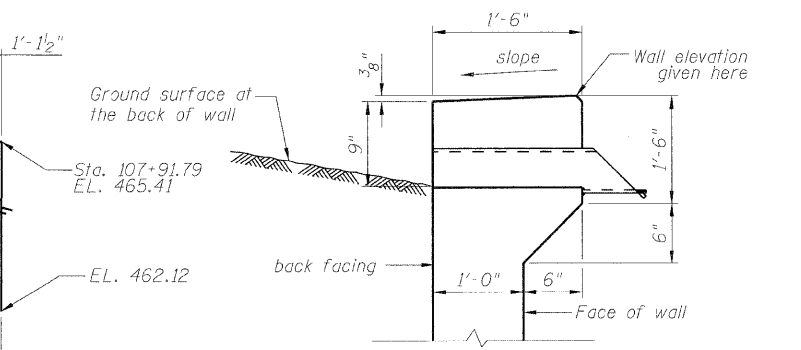
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



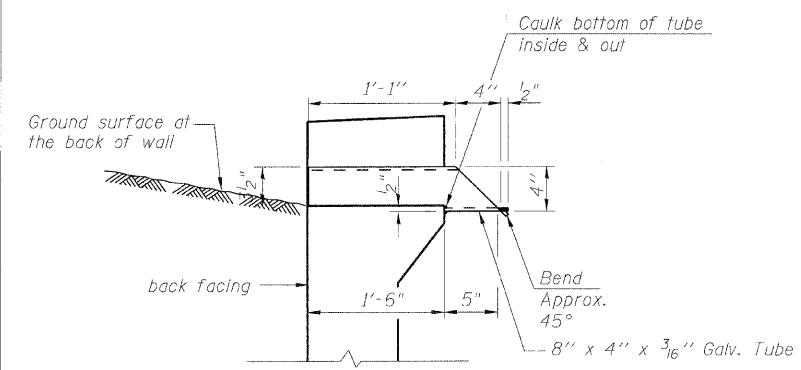
ELEVATION



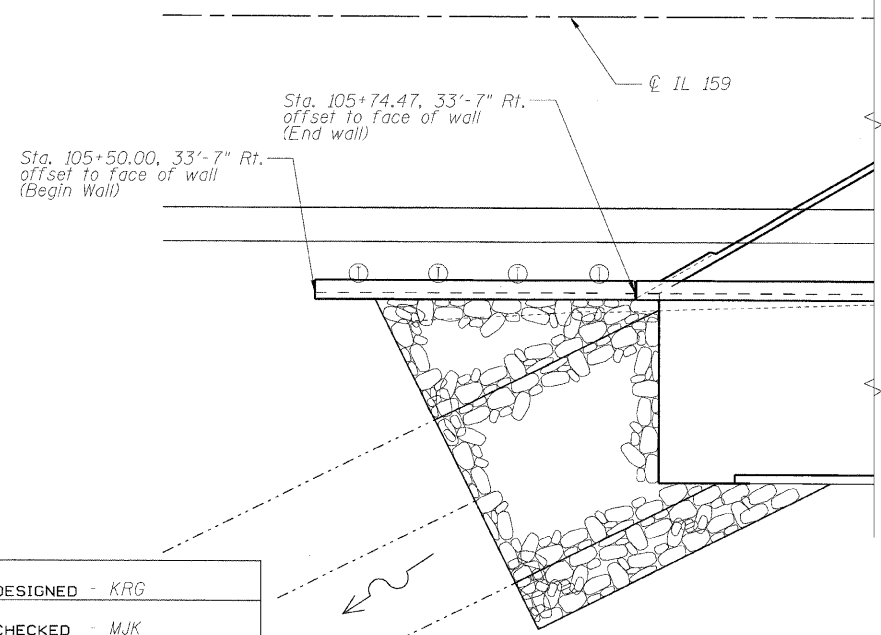
LONGITUDINAL SECTION
Through Embankment



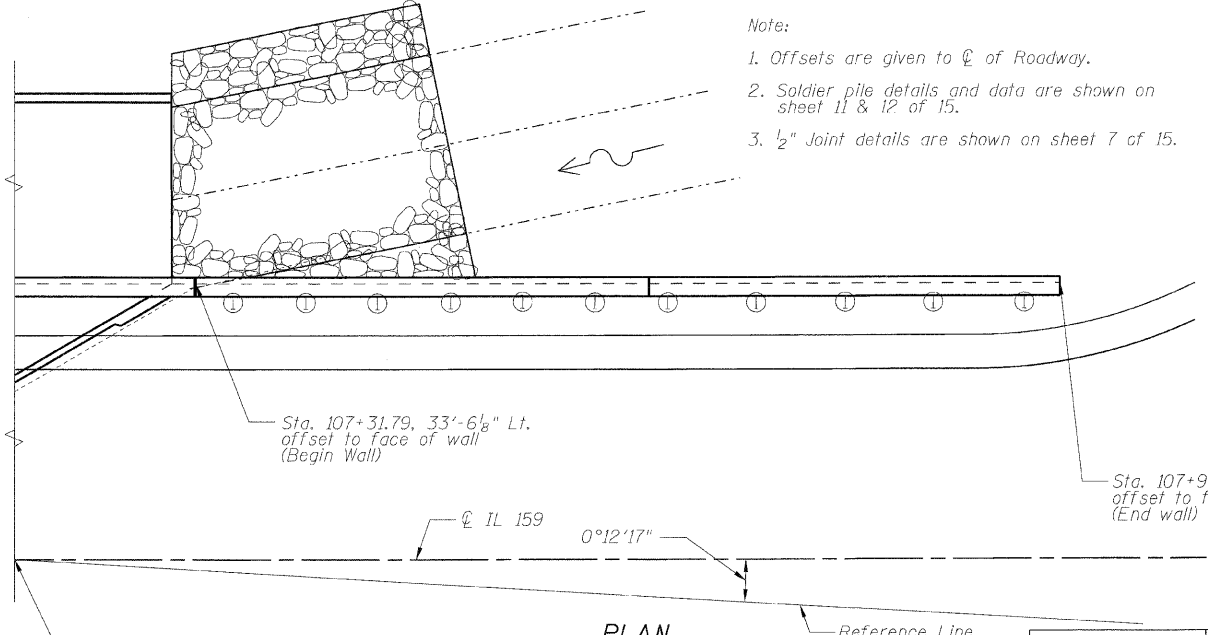
DETAIL AT TOP OF FACING



FLOOR DRAIN DETAIL

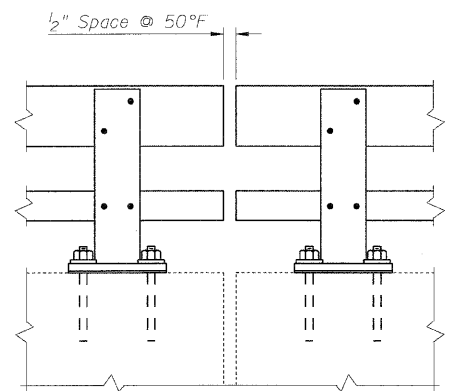


PLAN
SOUTHWEST WINGWALL



PLAN
NORTHEAST WINGWALL

- Note:
1. Offsets are given to ϕ of Roadway.
 2. Soldier pile details and data are shown on sheet 11 & 12 of 15.
 3. 1/2" Joint details are shown on sheet 7 of 15.



DETAIL R
Railing Expansion Jt.

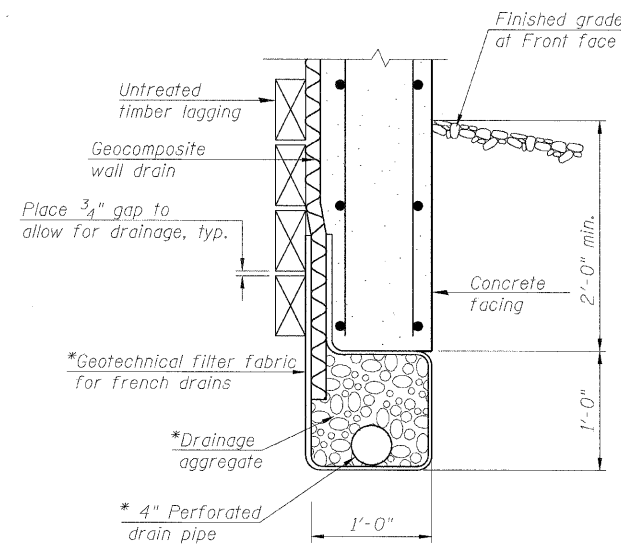
SOLDIER PILE WING WALLS
STRUCTURE NO: 082-2044

DESIGNED - KRG
CHECKED - MJK
DRAWN - GSJ
CHECKED - MJK

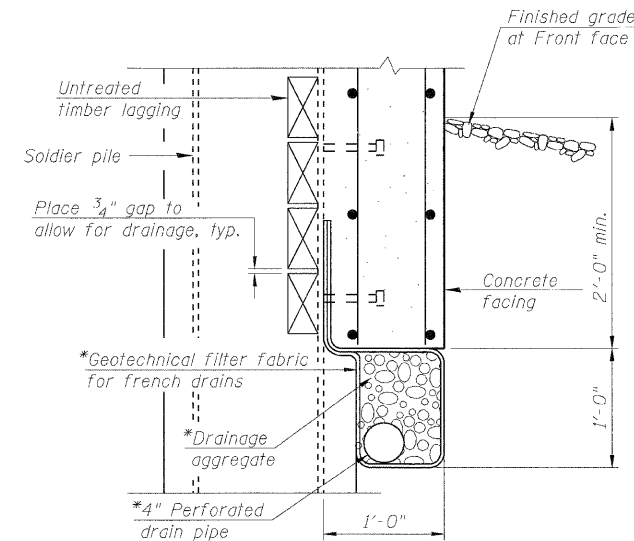
SHEET NO. 10 15 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	600	60-(30,31,128)-1	St. Clair	399	251
STRUCTURE NO: 082-2044			CONTRACT NO. 76830		
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					

MID-AMERICA ENGINEERING SERVICES

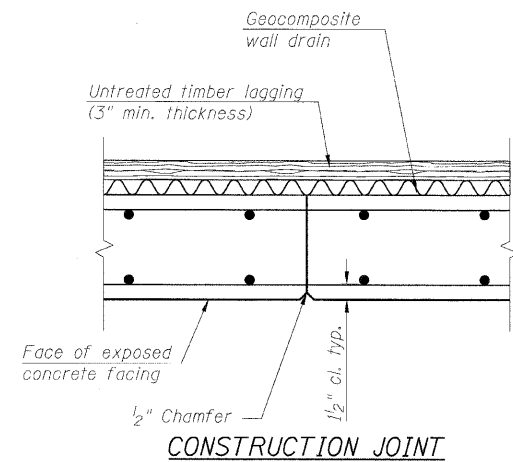
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



**UNDER DRAIN DETAIL
BETWEEN SOLDIER PILES**

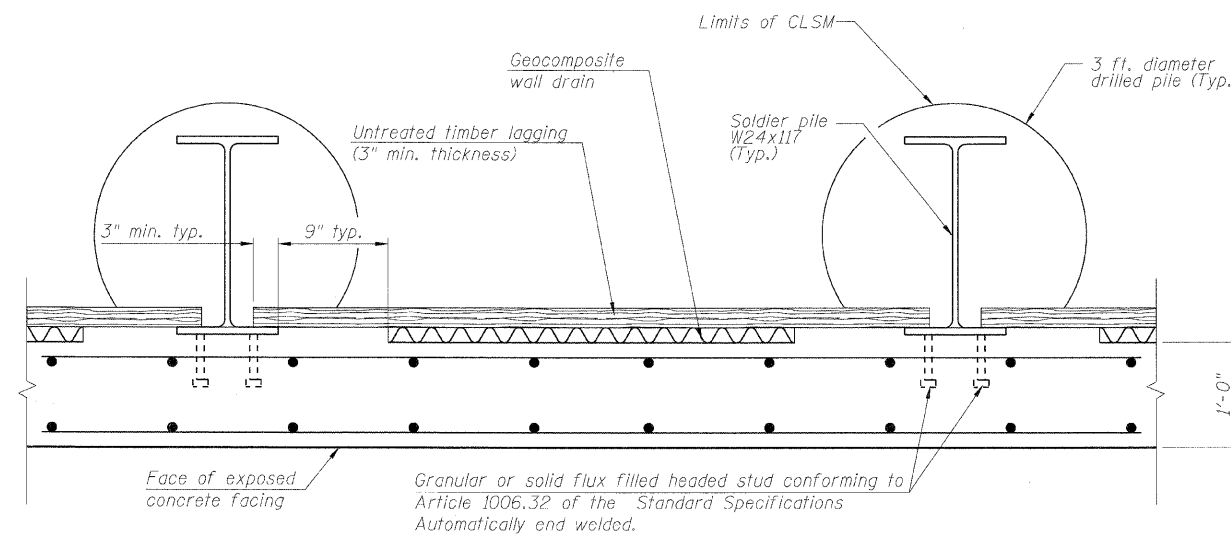


**UNDER DRAIN DETAIL
AT SOLDIER PILES**



CONSTRUCTION JOINT

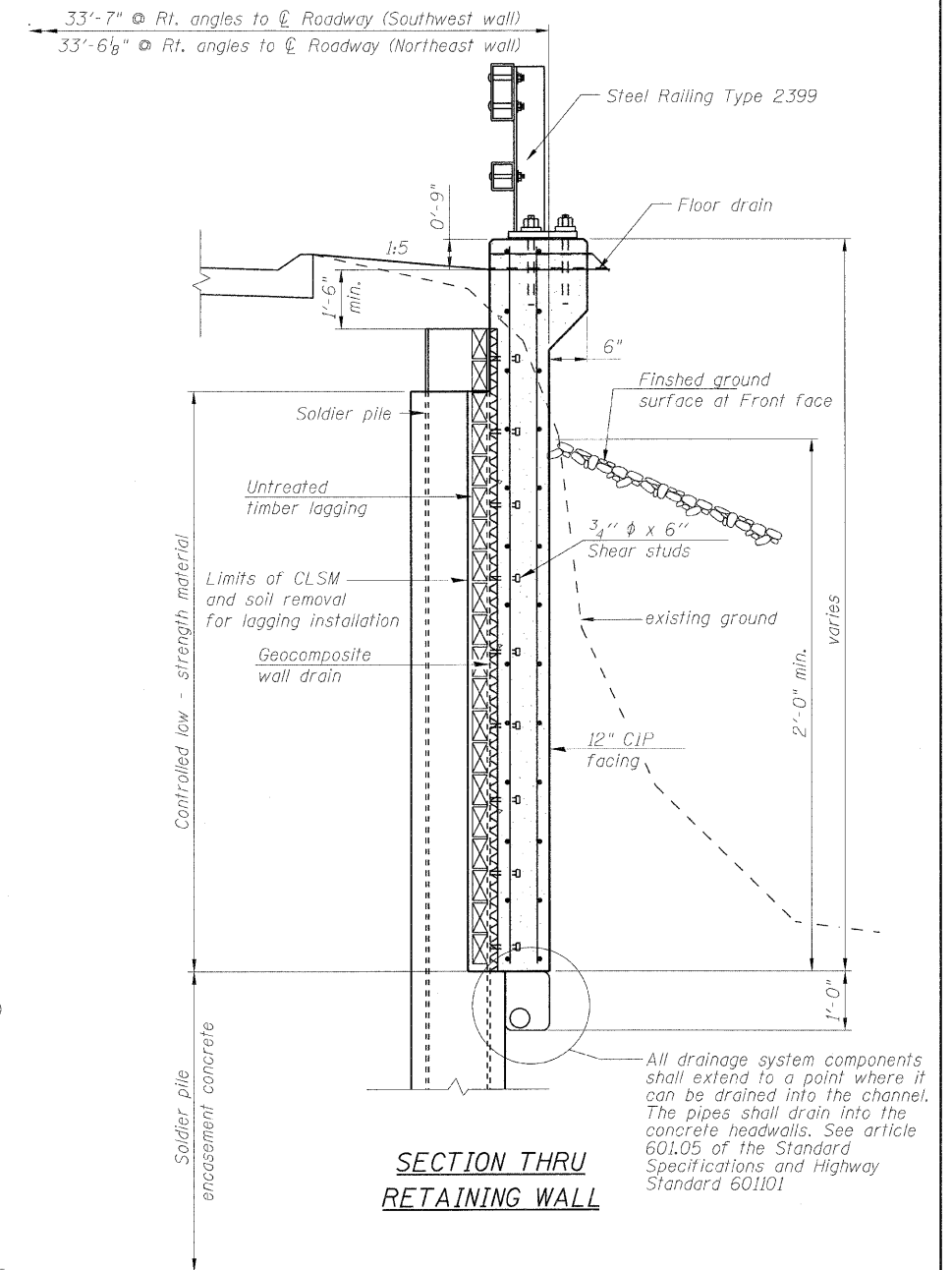
* Included in the cost of Pipe Underdrains for structures.



TYPICAL PLAN THROUGH WALL

Note: The contractor is responsible for the design and performance of the lagging using no less than 3 in. nominal rough-sawn thickness and timber with a minimum allowable bending stress of 1000 psi.

* Included in the cost of Pipe Underdrains for structures.



**SECTION THRU
RETAINING WALL**

DESIGNED - KRG
CHECKED - MJK
DRAWN - GSJ
CHECKED - MJK

**SOLDIER PILE WALL DETAILS
STRUCTURE NO: 082-2044**

SHEET NO. 11 15 SHEETS	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	600	60-(30,31,128)-1	St. Clair	399	252
STRUCTURE NO: 082-2044			CONTRACT NO. 76830		
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT					

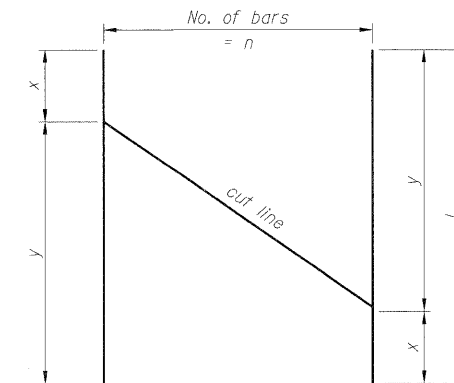
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOLDIER PILE DATA

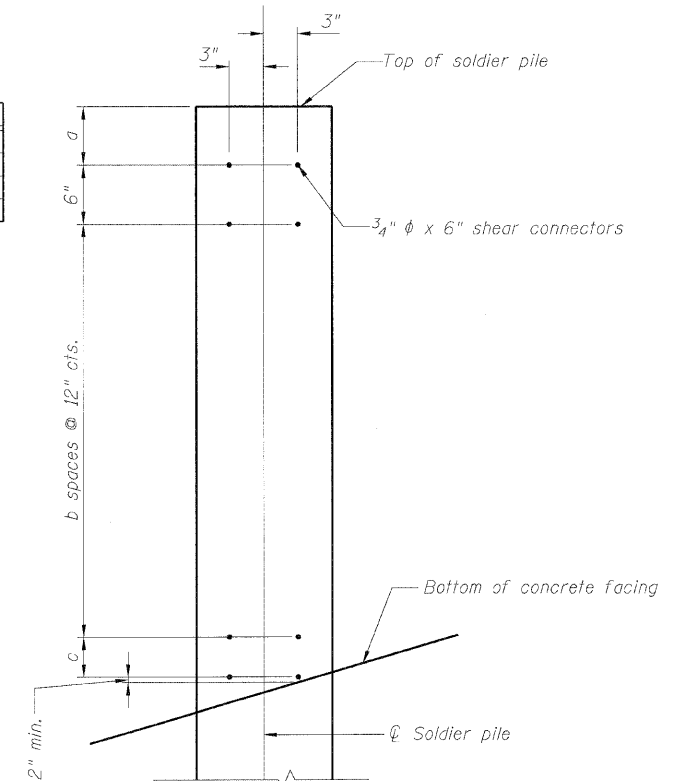
Panel	Soldier Pile Designations	Top of soldier Pile Elevation	Bottom of soldier Pile Elevation	Top of concrete encasement	Top of CLSM	Stud Shearconnectors			
						a	b	c	No. per pile
A	A ₁ W24x117	463.95	428.23	462.24	463.20	3"	1	0"	6
	A ₂ W24x117			459.44			2	3"	10
	A ₃ W24x117			455.44			7	3"	20
	A ₄ W24x117			455.10			7	11"	20
B	B ₁ W24x117	463.13	427.41	455.48	462.38		6	9"	18
	B ₂ W24x117			455.73			5	11"	16
	B ₃ W24x117			456.38			5	9"	16
	B ₄ W24x117			457.02			4	11"	14
	B ₅ W24x117			457.67			4	5"	14
	B ₆ W24x117			458.31			3	9"	12
C	C ₁ W24x117			459.02			3	0"	10
	C ₂ W24x117			459.98			2	0"	8
	C ₃ W24x117			460.57			1	7"	8
	C ₄ W24x117			461.34			1	9"	8
	C ₅ W24x117			462.12			0	3"	6

BAR DIMENSIONS

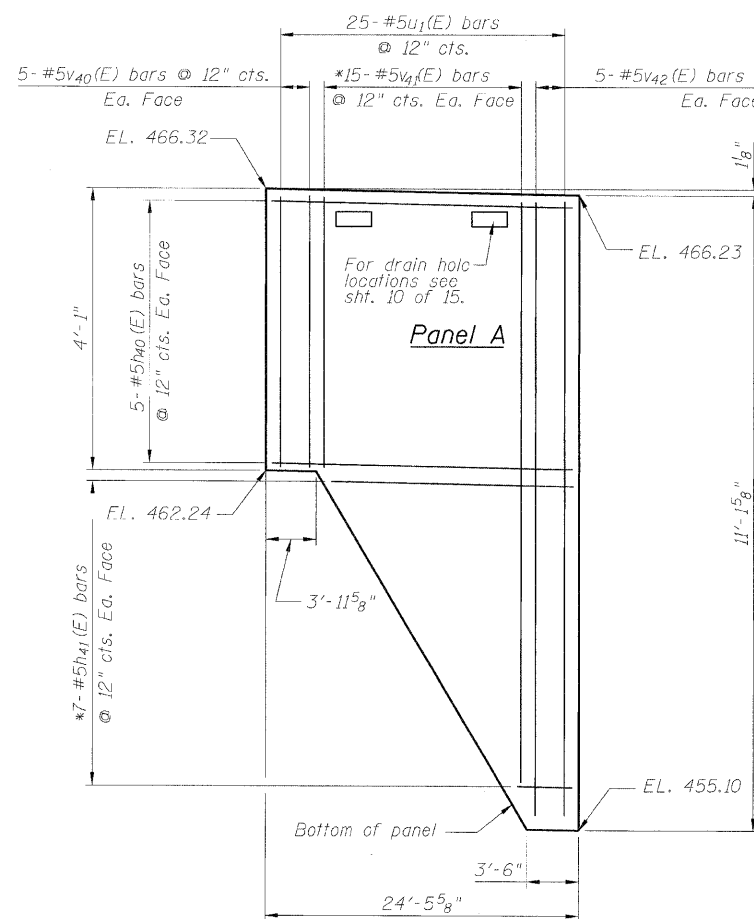
Bar	n	x	y	l
v ₄₁ (E)	15	4'-0"	10'-6"	14'-6"
v ₄₄ (E)	51	3'-2"	9'-8"	12'-10"
h ₄₁ (E)	7	3'-5"	20'-7"	24'-0"
h ₄₄ (E)	8	4'-0"	18'-0"	22'-0"



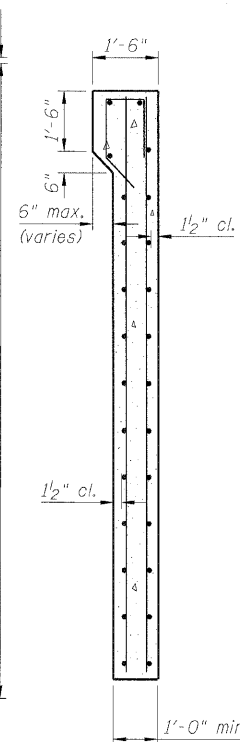
BAR CUTTING DIAGRAM



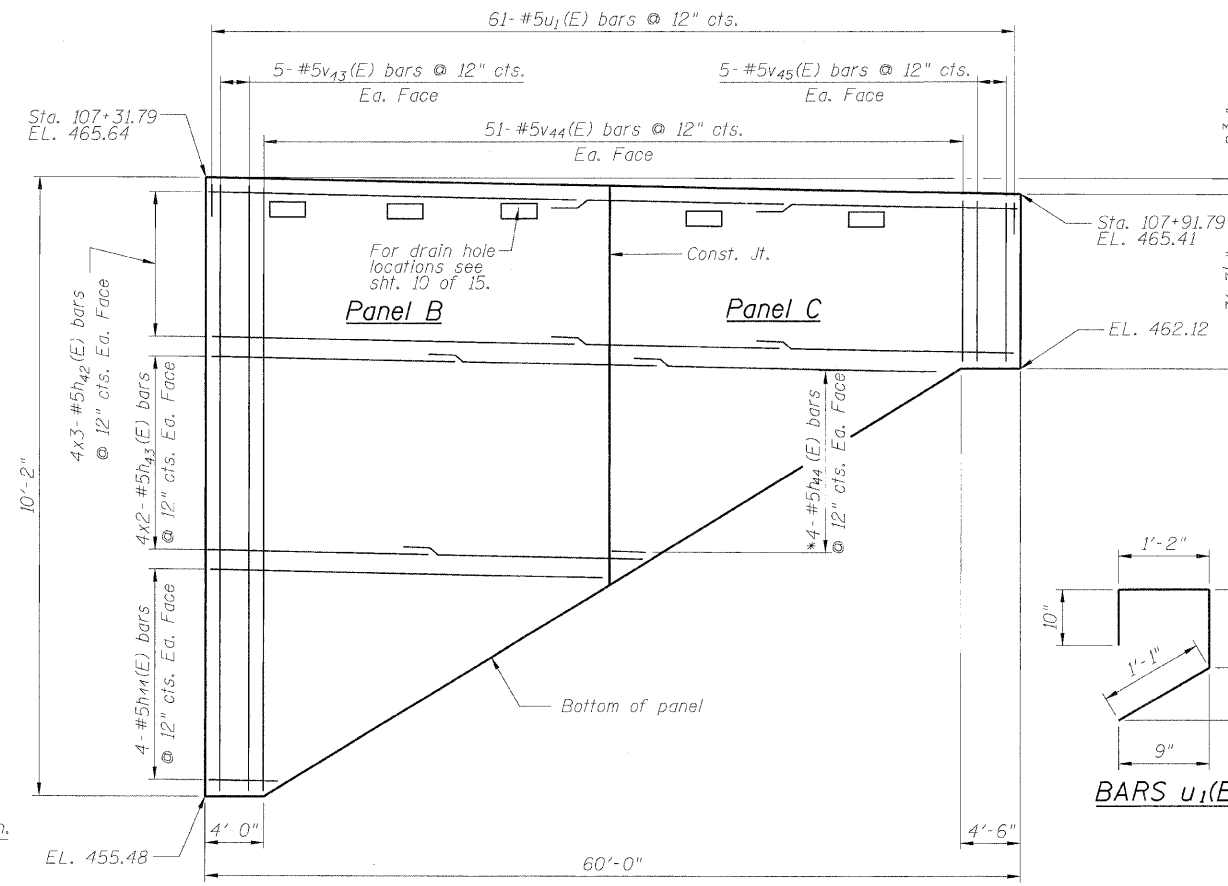
SHEAR STUD SPACING DETAIL



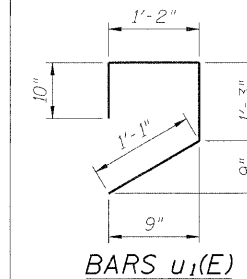
ELEVATION



SECTION THRU PANEL



SECTION THRU WALL



BARS u₁(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h ₄₀ (E)	10	#5	24'-2"	—
h ₄₁ (E)	7	#5	24'-0"	—
h ₄₂ (E)	24	#5	21'-0"	—
h ₄₃ (E)	16	#5	20'-6"	—
h ₄₄ (E)	8	#5	22'-0"	—
v ₄₀ (E)	10	#5	3'-9"	—
v ₄₁ (E)	15	#5	14'-6"	—
v ₄₂ (E)	10	#5	10'-9"	—
v ₄₃ (E)	10	#5	9'-10"	—
v ₄₄ (E)	51	#5	12'-10"	—
v ₄₅ (E)	10	#5	3'-0"	—
u ₁ (E)	86	#5	4'-4"	U
Concrete Structures			Cu. Yd.	22.8
Reinforcement Bars (Epoxy coated)			Pound	3070

SOLDIER PILE WALL DATA
STRUCTURE NO: 082-2044

SHEET NO. 12	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				600	60-(30,31,128)-1
15 SHEETS	STRUCTURE NO: 082-2044		CONTRACT NO. 76830		
FED. ROAD DIST. NO. _		ILLINOIS		FED. AID PROJECT	

DESIGNED - KRG
CHECKED - MJK
DRAWN - GSJ
CHECKED - MJK

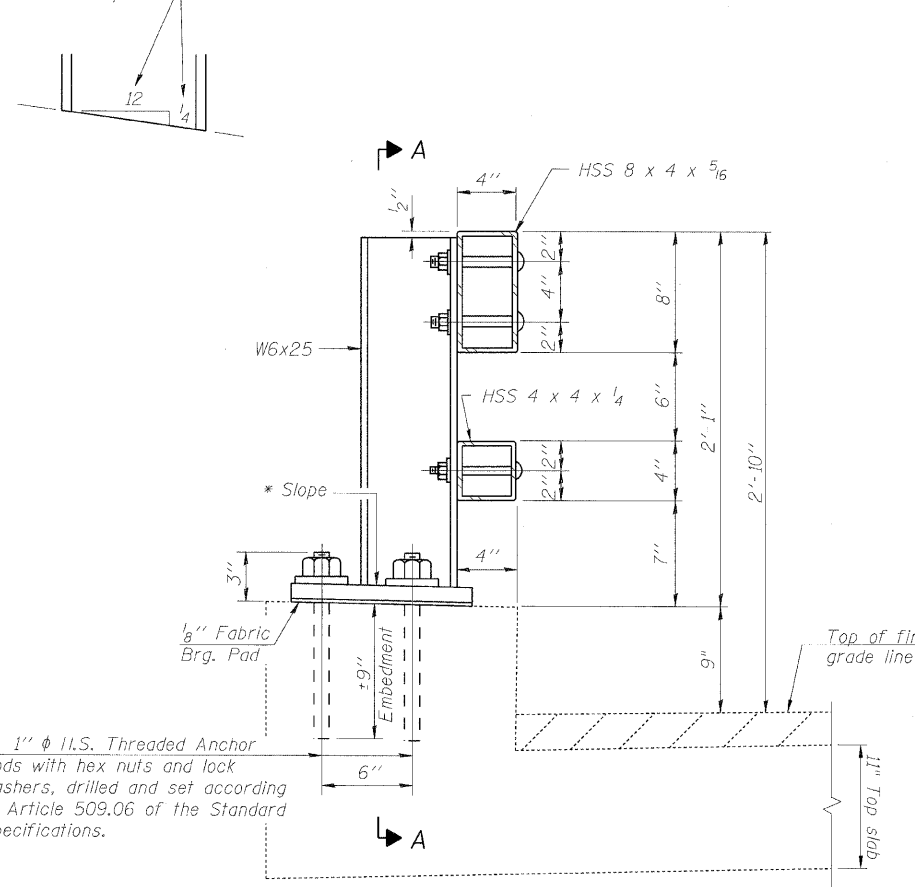
Min. bar laps
(unless noted otherwise)
5 bar = 1'-8"

* Order bars v₄₁(E), v₄₄(E) & h₄₄(E) bars full length cut as shown and use remainder in the opposite face.

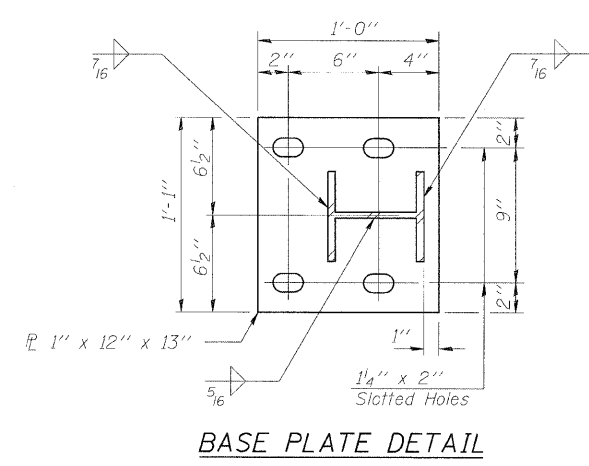
MID-AMERICA ENGINEERING SERVICES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

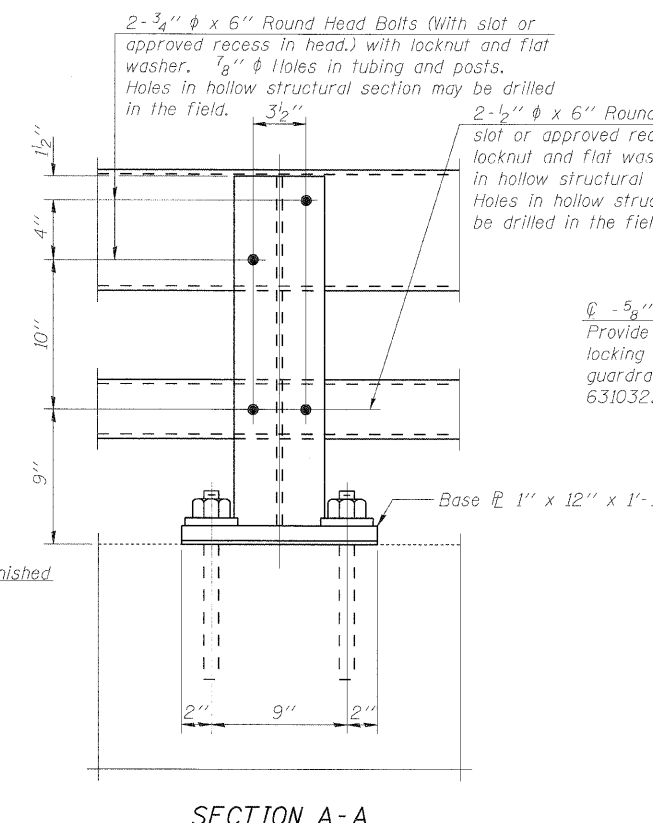
* Cut bottom end of post to curb slope.



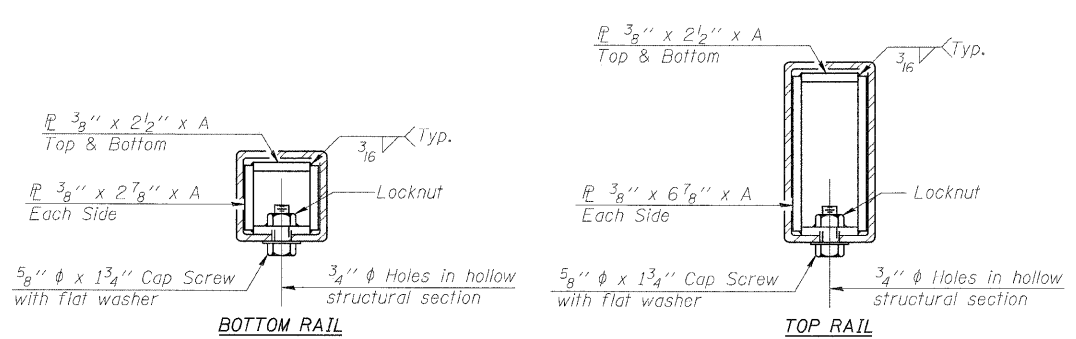
SECTION AT RAIL POST



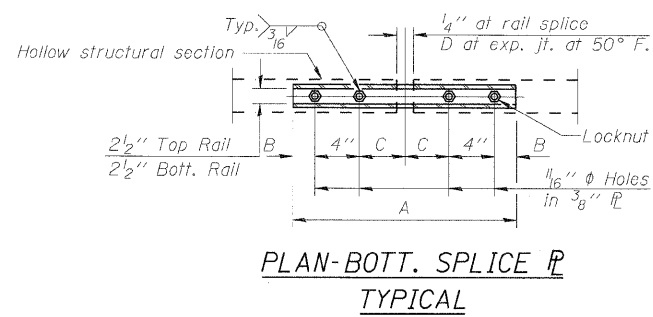
BASE PLATE DETAIL



SECTION A-A

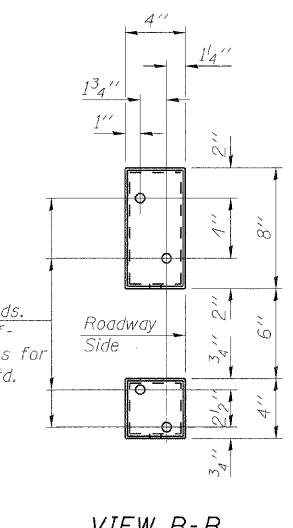


SECTIONS AT RAIL SPLICE

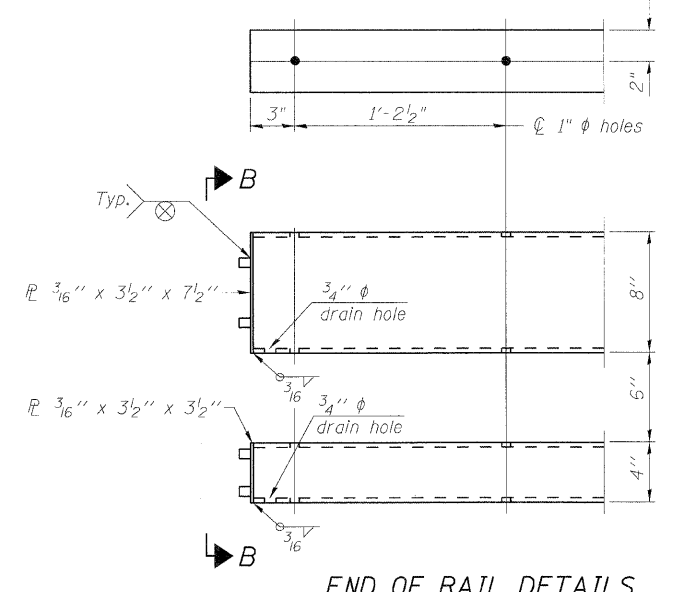


PLAN-BOTT. SPLICE TYPICAL

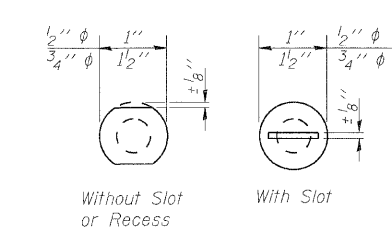
RAIL SPLICE CONNECTION
AT EXPANSION JT.
MID-AMERICA ENGINEERING SERVICES



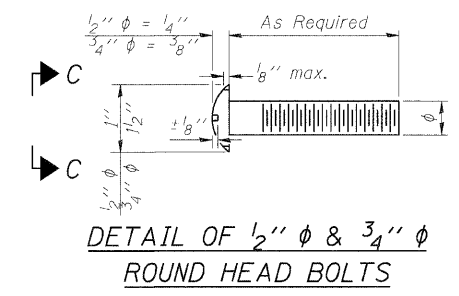
VIEW B-B



END OF RAIL DETAILS



VIEW C-C



DETAIL OF 1/2" & 3/4" ROUND HEAD BOLTS

Notes:
All field drilled holes shall be coated with an approved zinc rich paint before erection.
Posts shall not be located closer than 1'-3" to an existing bridge expansion joint or end of bridge.
Steel Bridge Rail expansion joint shall be provided between any two (2) posts which span a bridge expansion joint. Bolts located at expansion joint shall be provided with locknuts and shall be tightened only to a point that will allow railing movement.
Provide one 1/8" and two 1/16" steel shims for 25% of the posts. Shims shall be similar to base plates in size and holes.
All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.

SPLICE DIMENSIONS

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

T = Total movement at expansion joint as shown on the design plans.

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type 2399	Foot	171

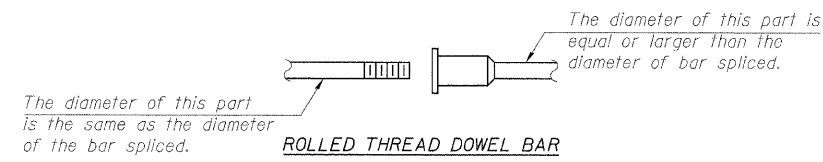
STEEL RAILING, TYPE 2399
STRUCTURE NO: 082-2044

SHEET NO. 13	F.A.P. RTE. 600	SECTION 60-(30,31,128)-1	COUNTY St. Clair	TOTAL SHEETS	SHEET NO.
				15 SHEETS	399
STRUCTURE NO: 082-2044			CONTRACT NO. 76830		
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					

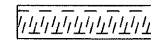
DESIGNED - KRG
CHECKED - MJK
DRAWN - GSJ
CHECKED - MJK

(6'-3" Maximum Post Spacing)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

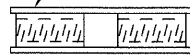


ROLLED THREAD DOWEL BAR



** ONE PIECE

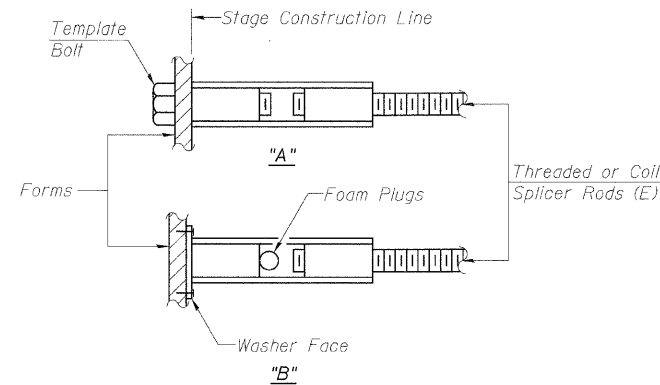
Wire Connector



WELDED SECTIONS

BAR SPLICER ASSEMBLY ALTERNATIVES

**Heavy Hex Nuts conforming to ASTM A 563, Grade C, D or D11 may be used.



INSTALLATION AND SETTING METHODS

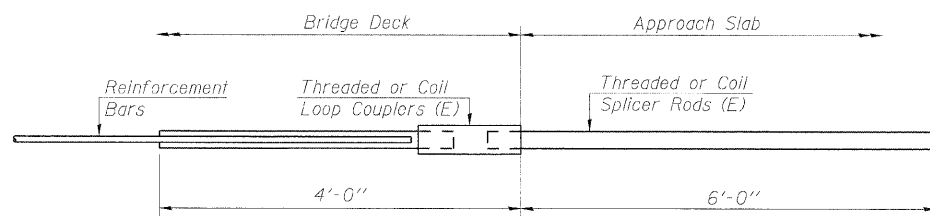
"A" : Set bar splicer assembly by means of a template bolt.
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.

NOTES

Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.
Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length.
All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars.
Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars.
Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

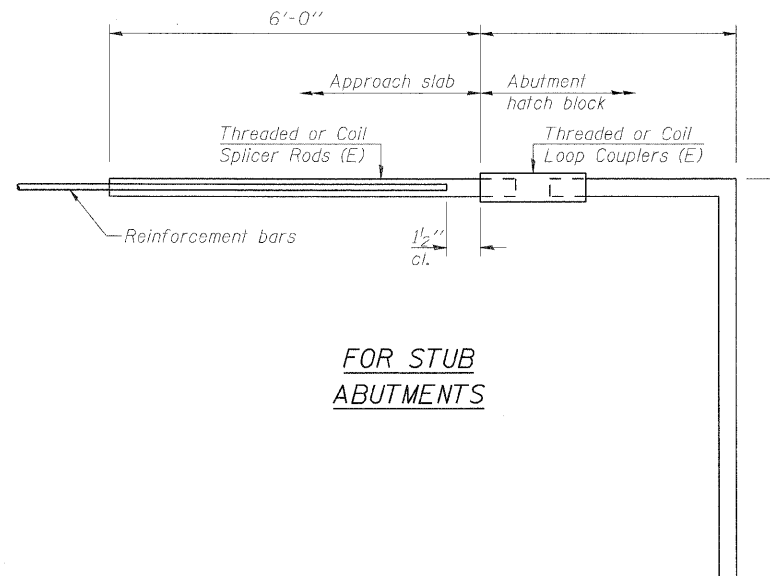
- ① Minimum Capacity = $1.25 \times f_y \times A_t$
(Tension in kips)
 - ② Minimum *Pull-out Strength = $0.66 \times f_y \times A_t$
(Tension in kips)
- Where f_y = Yield strength of lapped reinforcement bars in ksi.
 A_t = Tensile stress area of lapped reinforcement bars.
* - 28 day concrete

Bar Size to be Spliced	Splicer Rod or Dowel Bar Length	Strength Requirements	
		Min. Capacity kips - tension	Min. Pull-Out Strength kips - tension
#4	1'-8"	14.7	7.9
#5	2'-2"	23.0	12.3
#6	2'-7"	33.1	17.4
#7	3'-5"	45.1	23.8
#8	4'-6"	58.9	31.3
#9	5'-9"	75.0	39.6
#10	7'-3"	95.0	50.3
#11	9'-0"	117.4	61.8



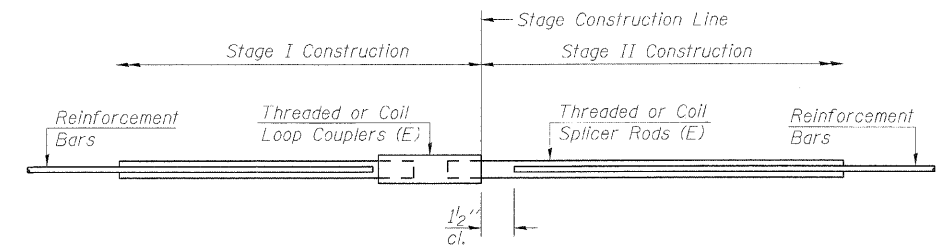
FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

Bar Splicer for #5 bar
Min. Capacity = 23.0 kips - tension
Min. Pull-out Strength = 12.3 kips - tension
No. Required =



FOR STUB ABUTMENTS

Bar Splicer for #5 bar
Min. Capacity = 23.0 kips - tension
Min. Pull-out Strength = 12.3 kips - tension
No. Required =



STANDARD

Bar Size	No. Assemblies Required	Location
#6	22	Top of Top slab
#5	20	Bottom of Top slab
#5	40	Top & Bottom of Bottom slab
#5	16	Outside walls
#5	8	Center wall

BAR SPLICER ASSEMBLY DETAILS
STRUCTURE NO: 082-2044

SHEET NO. 14 15 SHEETS	F.A.P. RTE. 600	SECTION 60-(30,31,128)-1	COUNTY St. Clair	TOTAL SHEETS 399	SHEET NO. 255
	STRUCTURE NO: 082-2044		CONTRACT NO. 76830		
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					

DESIGNED -
CHECKED -
DRAWN -
CHECKED -

BSD-1

10-1-08

MID-AMERICA ENGINEERING SERVICES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation SOIL BORING LOG Page 1 of 2
Date: 9/18/08

ROUTE: FAP 600 DESCRIPTION: Box Culvert between South Morrison and Cherokee LOGGED BY: S. Wiszkon

SECTION: 60-(30,31,128)-1 LOCATION: SEC. 4, TWP. 2N, RNG. 8W, 3 PM

COUNTY: Madison / St. Clair DRILLING METHOD: Hollow Stem Auger HAMMER TYPE: 140# Automatic

STRUCT. NO.: 082-2044 (E) Station: 106+50

BORING NO.: C-1 Station: 106+50 Offset: 50.00# RT Ground Surface Elev.: 464.7 ft

DEPTH (ft)	SOIL DESCRIPTION	U (ft)	B (ft)	M (ft)	O (ft)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter Upon Completion After (Hrs.)
0	Brown Silty Clay LOAM	4	0.52	31					
2	Gray Silty Clay LOAM	3	0.81	28					
4	Gray Mottled Silty Clay LOAM	3	0.65	28					
6	Gray Silty Clay LOAM	3	1.16	27					
8	Light Brown Mottled Silty Clay LOAM	4	0.98	26					
10	Brown Silty Clay LOAM	4	1.37	22					
12	Brown/Gray Mottled Silty Clay LOAM A-6(9)	3							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T208) BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation SOIL BORING LOG Page 2 of 2
Date: 9/18/08

ROUTE: FAP 600 DESCRIPTION: Box Culvert between South Morrison and Cherokee LOGGED BY: S. Wiszkon

SECTION: 60-(30,31,128)-1 LOCATION: SEC. 4, TWP. 2N, RNG. 8W, 3 PM

COUNTY: Madison / St. Clair DRILLING METHOD: Hollow Stem Auger HAMMER TYPE: 140# Automatic

STRUCT. NO.: 082-2044 (E) Station: 106+50

BORING NO.: C-1 Station: 106+50 Offset: 50.00# RT Ground Surface Elev.: 464.7 ft

DEPTH (ft)	SOIL DESCRIPTION	U (ft)	B (ft)	M (ft)	O (ft)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter Upon Completion After (Hrs.)
4	Brown/Gray Mottled Silty Clay LOAM (continued)	5	1.39	23					
10	END OF BORING								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T208) BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation SOIL BORING LOG Page 1 of 2
Date: 9/15/08

ROUTE: FAP 600 DESCRIPTION: Box Culvert between South Morrison and Cherokee LOGGED BY: S. Wiszkon

SECTION: 60-(30,31,128)-1 LOCATION: SEC. 4, TWP. 2N, RNG. 8W, 3 PM

COUNTY: Madison / St. Clair DRILLING METHOD: Hollow Stem Auger HAMMER TYPE: 140# Automatic

STRUCT. NO.: 082-2044 (E) Station: 106+50

BORING NO.: C-2 Station: 106+75 Offset: 0.00# CL Ground Surface Elev.: 456.1 ft

DEPTH (ft)	SOIL DESCRIPTION	U (ft)	B (ft)	M (ft)	O (ft)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter Upon Completion After (Hrs.)
0	Asphalt / Concrete	2	0.49	30					
2	Brown Mottled Silty LOAM A-6(8)	3	0.49	28					
3	Gray Mottled SILT A-4(8)	3	0.87	33					
5	Gray Mottled SILT A-4(8)	2	0.31	27					
7	Brown SILT A-4(8)	3	0.65	28					
10	Brown Mottled Silty Clay TILL A-6(9)	4	1.47	17					
14	Gray Silty LOAM A-4(8)	3	0.68	29					
17	Gray Very Weathered SHALE	11							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T208) BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation SOIL BORING LOG Page 2 of 2
Date: 9/15/08

ROUTE: FAP 600 DESCRIPTION: Box Culvert between South Morrison and Cherokee LOGGED BY: S. Wiszkon

SECTION: 60-(30,31,128)-1 LOCATION: SEC. 4, TWP. 2N, RNG. 8W, 3 PM

COUNTY: Madison / St. Clair DRILLING METHOD: Hollow Stem Auger HAMMER TYPE: 140# Automatic

STRUCT. NO.: 082-2044 (E) Station: 106+50

BORING NO.: C-2 Station: 106+75 Offset: 0.00# CL Ground Surface Elev.: 456.1 ft

DEPTH (ft)	SOIL DESCRIPTION	U (ft)	B (ft)	M (ft)	O (ft)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter Upon Completion After (Hrs.)
15	Gray Very Weathered SHALE (continued)	4.5							
20	END OF BORING								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T208) BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation SOIL BORING LOG Page 1 of 1
Date: 9/11/08

ROUTE: FAP 600 DESCRIPTION: Box Culvert between South Morrison and Cherokee LOGGED BY: S. Wiszkon

SECTION: 60-(30,31,128)-1 LOCATION: SEC. 4, TWP. 2N, RNG. 8W, 3 PM

COUNTY: Madison / St. Clair DRILLING METHOD: Hollow Stem Auger HAMMER TYPE: 140# Automatic

STRUCT. NO.: 082-2044 (E) Station: 106+50

BORING NO.: C-3 Station: 106+75 Offset: 50.00# RT Ground Surface Elev.: 462.0 ft

DEPTH (ft)	SOIL DESCRIPTION	U (ft)	B (ft)	M (ft)	O (ft)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter Upon Completion After (Hrs.)
2	Gray Silty Clay LOAM (continued)	2	0.52	29					
4	Gray Silty Clay LOAM	4	1.52	19					
6	Gray Silty Clay LOAM	3	0.81	27					
8	Brown Silty Clay LOAM	3	1.04	27					
10	Gray Silty Clay LOAM	2	0.49	28					
12	Gray/Blue/Brown Mottled Silty Clay LOAM A-6(9)	3	0.19	28					
15	Gray Silty Clay LOAM	3	0.65	28					
17	END OF BORING								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T208) BBS, from 137 (Rev. 8-99)

DESIGNED - KRG
CHECKED - MJK
DRAWN - GSJ
CHECKED - MJK

BORING LOGS
STRUCTURE NO: 082-2044

SHEET NO. 15 15 SHEETS	F.A.P. RTE. 600	SECTION 60-(30,31,128)-1	COUNTY St. Clair	TOTAL SHEETS 399	SHEET NO. 256
	STRUCTURE NO: 082-2044			CONTRACT NO. 76830	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

MID-AMERICA ENGINEERING SERVICES

B.M. - # 114 Chiseled on center of N. Headwall for concrete box culvert, located on W. side of IL Rte. 159 in "Buff Truck outfitters" parking lot across from historical landmark "Catsup Bottle" Elev. 475.811

Existing Structure: None

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DESIGN SPECIFICATIONS
2002 AASHTO Standard Specifications For Highway Bridges

DESIGN STRESSES

FIELD UNITS
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
fy = 36,000 psi (soldier piles)

LEGEND

- TT TT TT TT TT TT TT TT TT Temporary Easement
- //// Permanent Easement
- Proposed ROW
- Existing ROW

INDEX OF SHEETS

1. General Plan and Elevation
2. General Notes, Cross section & Total Bill of Material
3. Panels A & B
4. Panels C, D, & E
5. Panels F, G, & H
6. Soldier pile wall details
7. Soldier pile wall data
8. Parapet Railing
9. Boring Logs

APPROVED
FOR STRUCTURAL ADEQUACY ONLY

Ralph E. Anderson (TS)
ENGINEER OF BRIDGES AND STRUCTURES

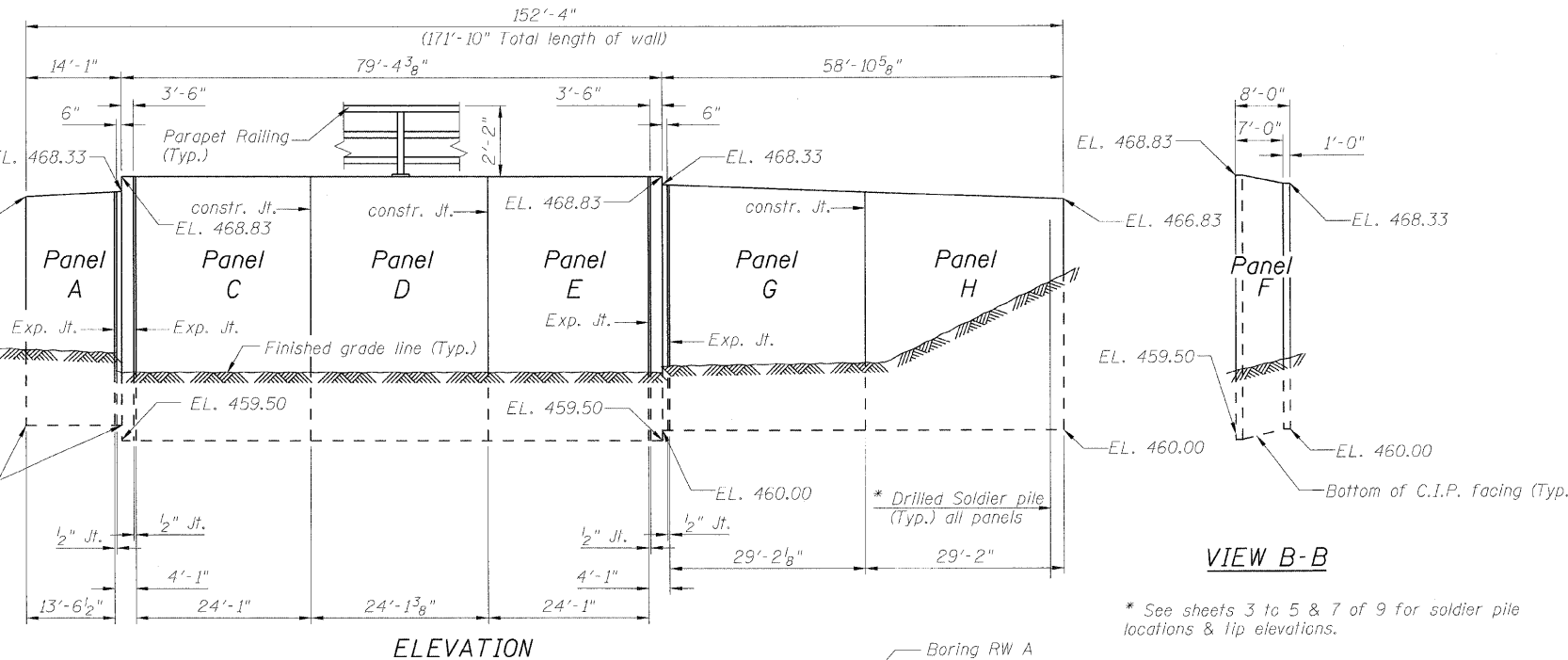


Expires: 11/30/2010

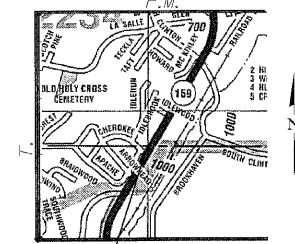
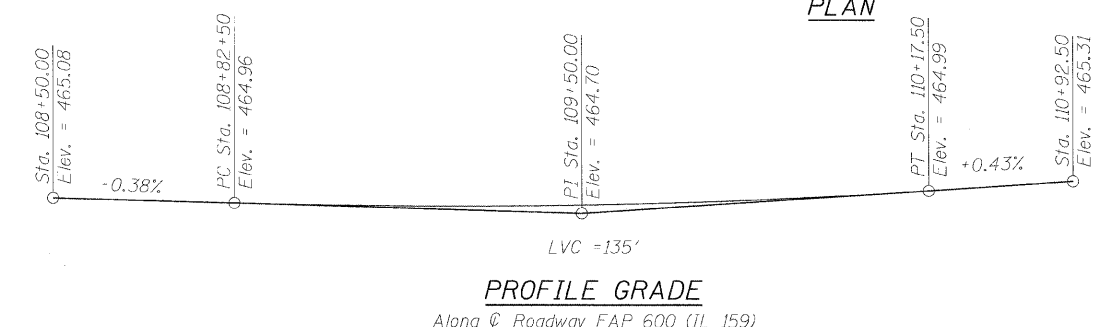
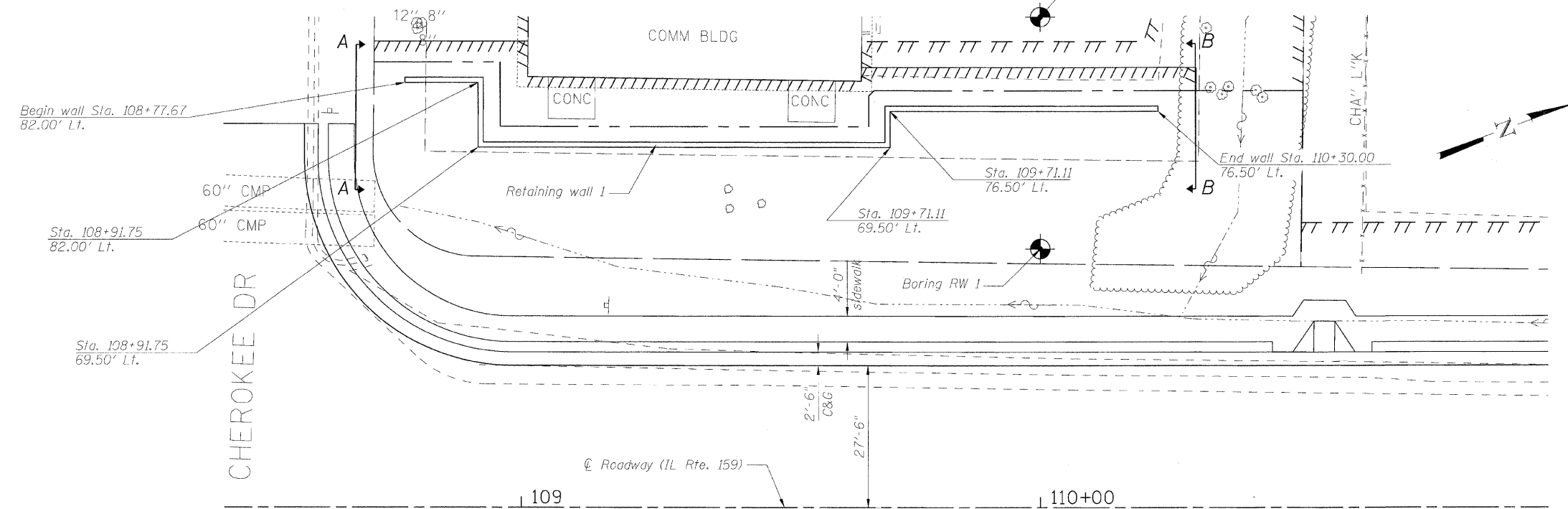
m.j. Karshenas 10-5-2009

GENERAL PLAN & ELEVATION
IL RTE. 159
FAP ROUTE 600 SEC. 60-(30,31,128)-1
ST. CLAIR COUNTY/MADISON COUNTY
STA. 109+50.00

SHEET NO. 1 9 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	600	60-(30,31,128)-1	St. Clair/Madison	399	257
RETAINING WALL 1			CONTRACT NO. 76830		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



* See sheets 3 to 5 & 7 of 9 for soldier pile locations & tip elevations.



MID-AMERICA ENGINEERING SERVICES

DESIGNED - KRG
CHECKED - MJK
DRAWN - GSJ
CHECKED - MJK

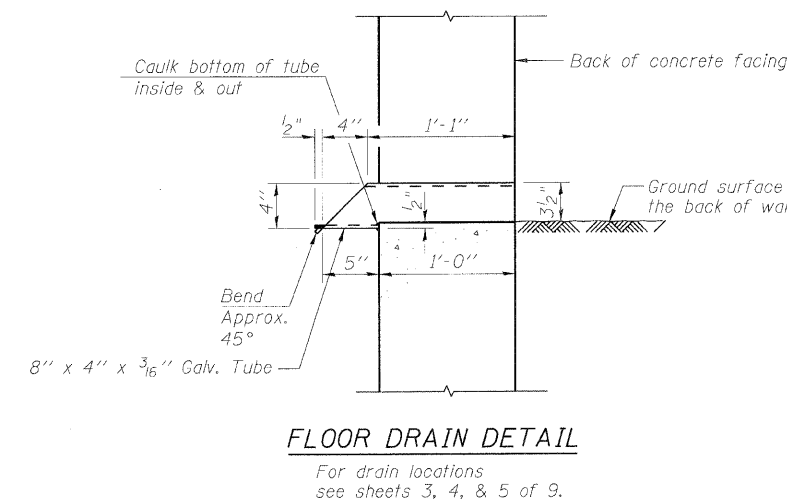
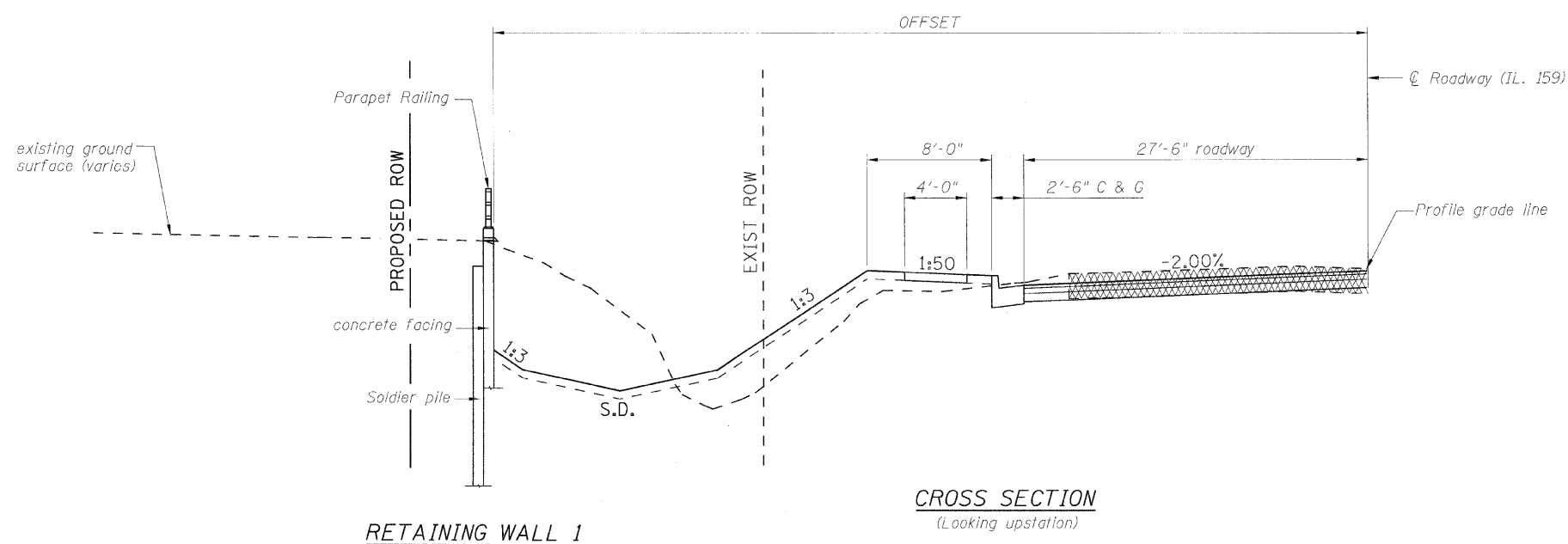
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOTAL BILL OF MATERIAL

Item	Unit	Quantity
Structure Excavation	Cu. Yd.	119
Concrete Structures	Cu. Yd.	58.0
Stud Shear connectors	Fach	456
Reinforcement Bars, Epoxy Coated	Pound	6780
Parapet Railing,	Foot	172
Geocomposite Wall Drain	Sq. Yd.	44
Pipe Underdrains for Structures, 4"	Foot	175
Furnishing Soldier Piles(Built-up section)	Foot	122
Furnishing Soldier Piles(w section)	Foot	786
Drilling and setting Soldier piles (in soil)	Cu. Ft.	6610
Untreated Timber Lagging	Sq. Ft.	662
Floor Drains	Each	8

GENERAL NOTES

1. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
2. Reinforcement bars designated (E) shall be epoxy coated.
3. All exposed edges of concrete shall be bevelled $\frac{3}{4}$ ".
4. The geocomposite wall drain shall be constructed according to section 591 of the Standard Specifications. The contractor shall insure that the bottom, sides and the top edges are protected from soil entering or sealing the drain while placing the pervious fabric side of the drain towards the soil. Geocomposite wall drain shall be installed in stages as the excavation process proceeds downward. Splicing should be minimized, following proper splice practices to insure no long term soil contamination.
5. The buildings behind the retaining wall are susceptible to damage and the contractor shall not leave the excavations unsupported during construction as specified in the special provisions by using the top down placement of the lagging.



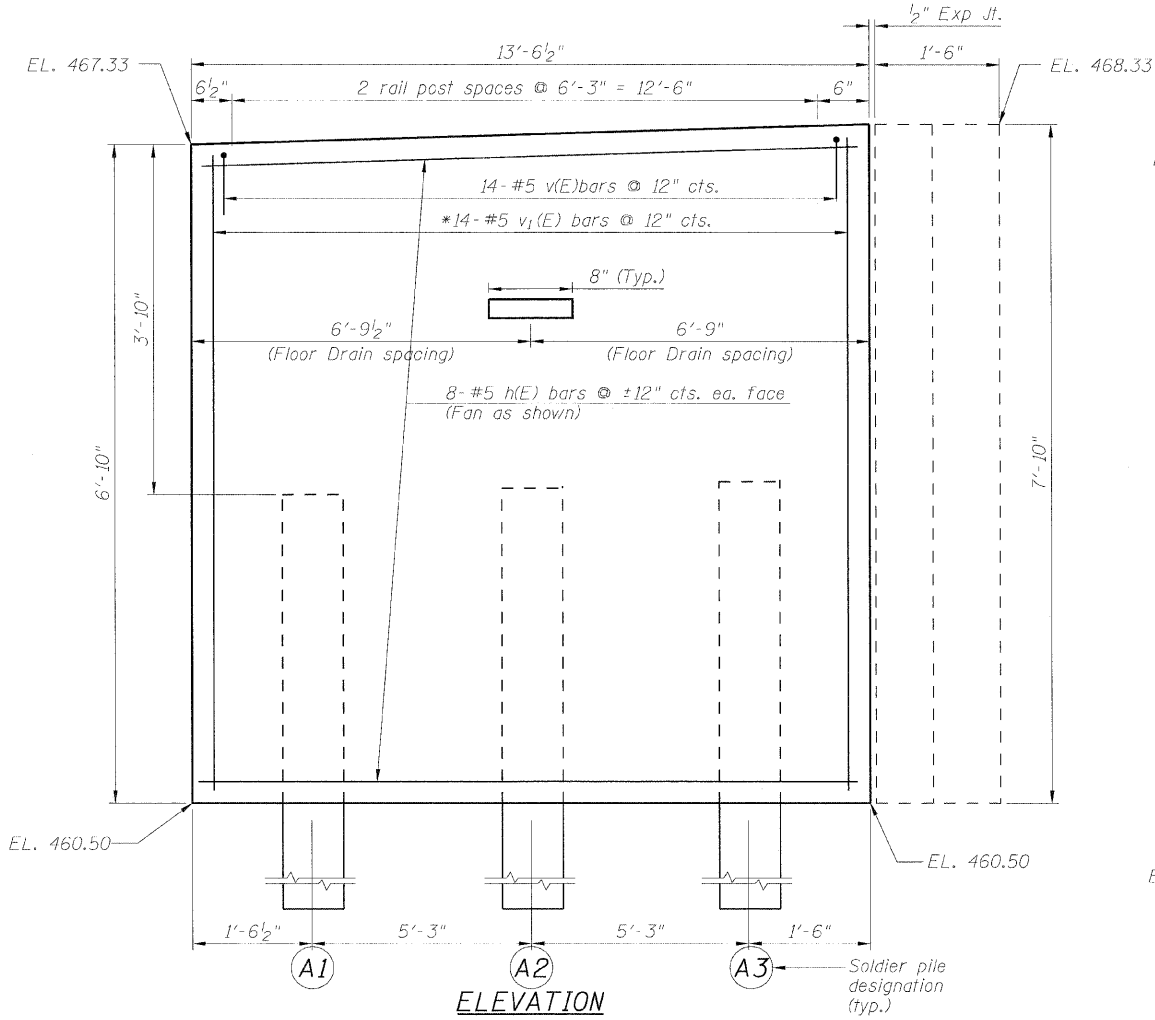
DESIGNED	- KRG
CHECKED	- MJK
DRAWN	- GSJ
CHECKED	- MJK

GENERAL NOTES, CROSS SECTION & TOTAL BILL MATERIAL

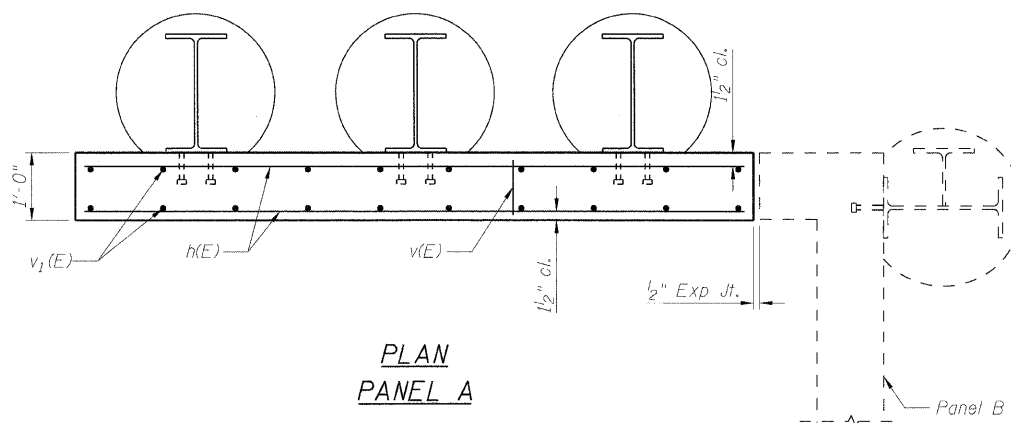
SHEET NO. 2	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9 SHEETS	600	60-(30,31,128)-1	St. Clair/Madison	399	258
RETAINING WALL 1			CONTRACT NO. 76830		
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					

Rev. MID-AMERICA ENGINEERING SERVICES

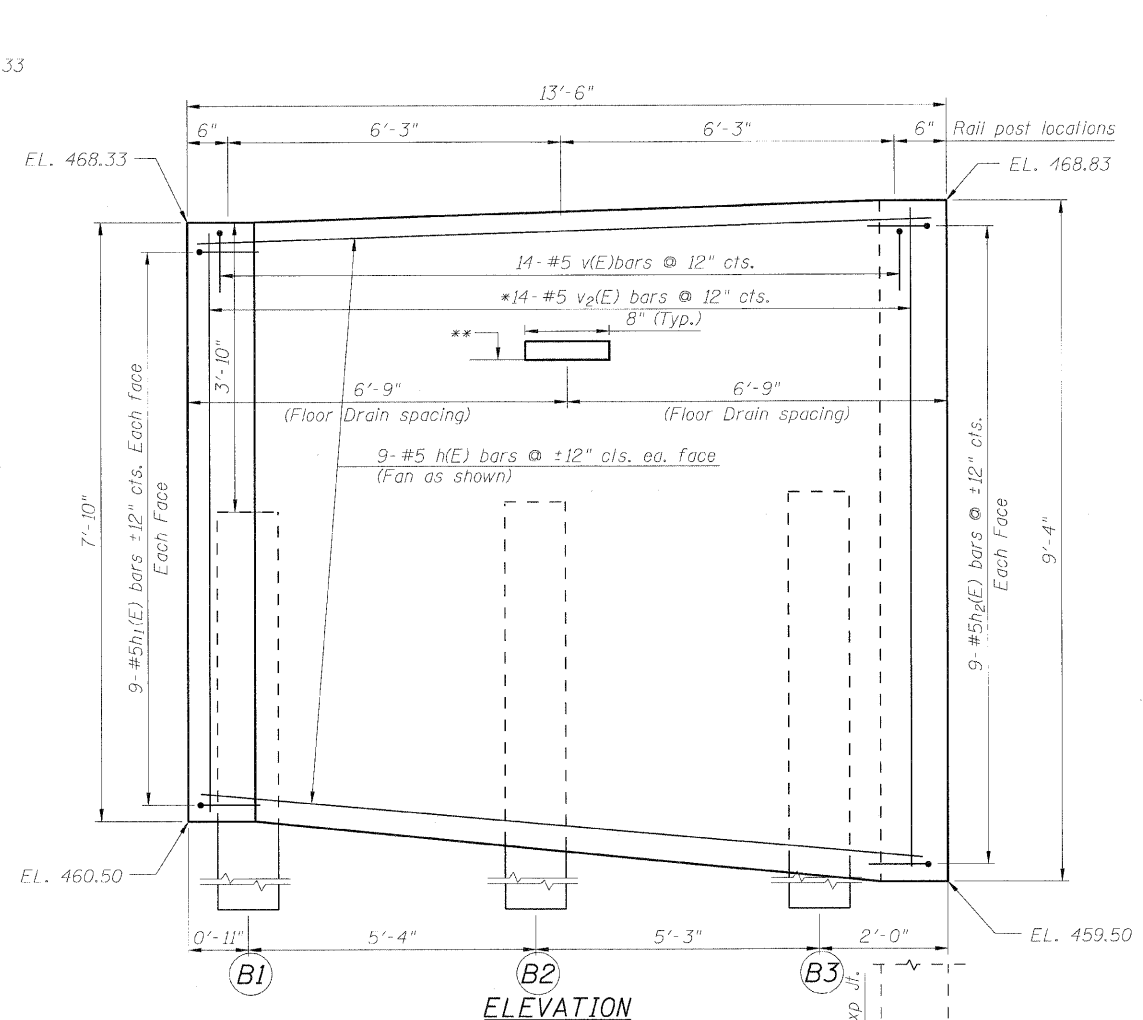
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



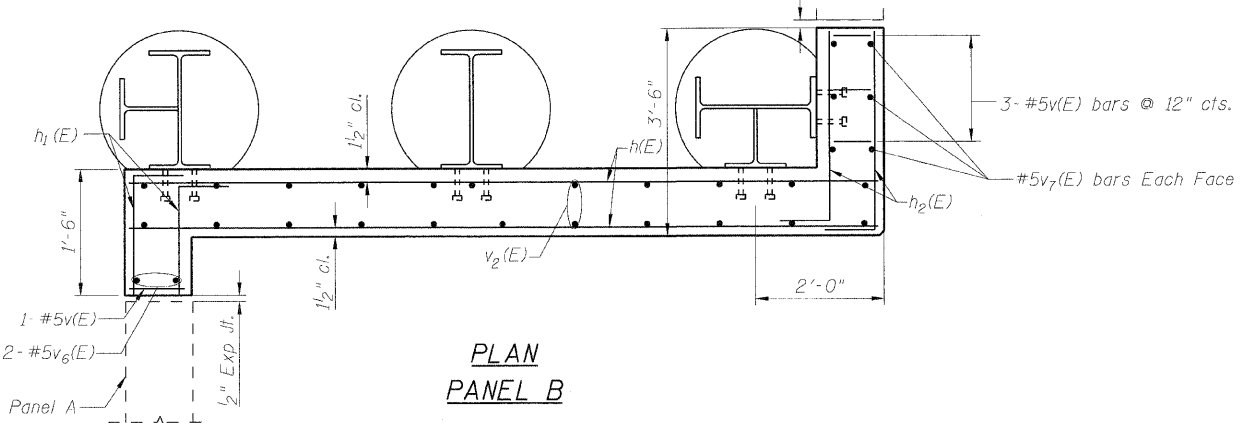
ELEVATION



PLAN
PANEL A



ELEVATION



PLAN
PANEL B

DESIGNED - KRG
CHECKED - MJK
DRAWN - GSJ
CHECKED - MJK

Min. bar laps
(unless noted otherwise)
5 bar = 1'-8"

* Order v₁(E) & v₂(E) bars full length. Cut to fit the taper and use the remainder on the opposite face. See bar cutting diagram on sht. 7 of 9.
** Ground surface behind the wall (Typ.)

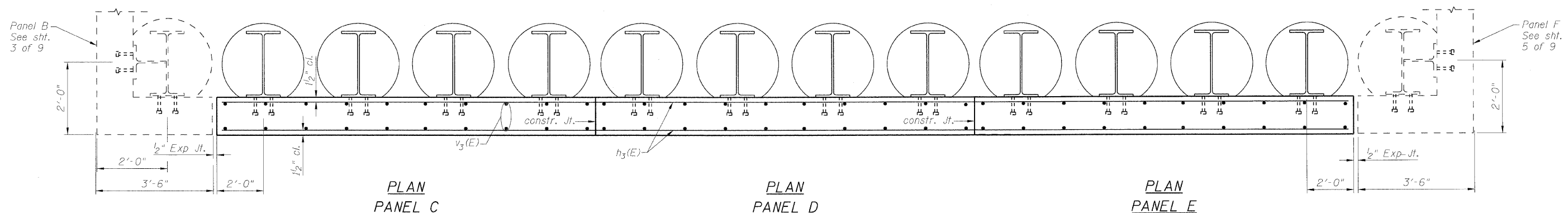
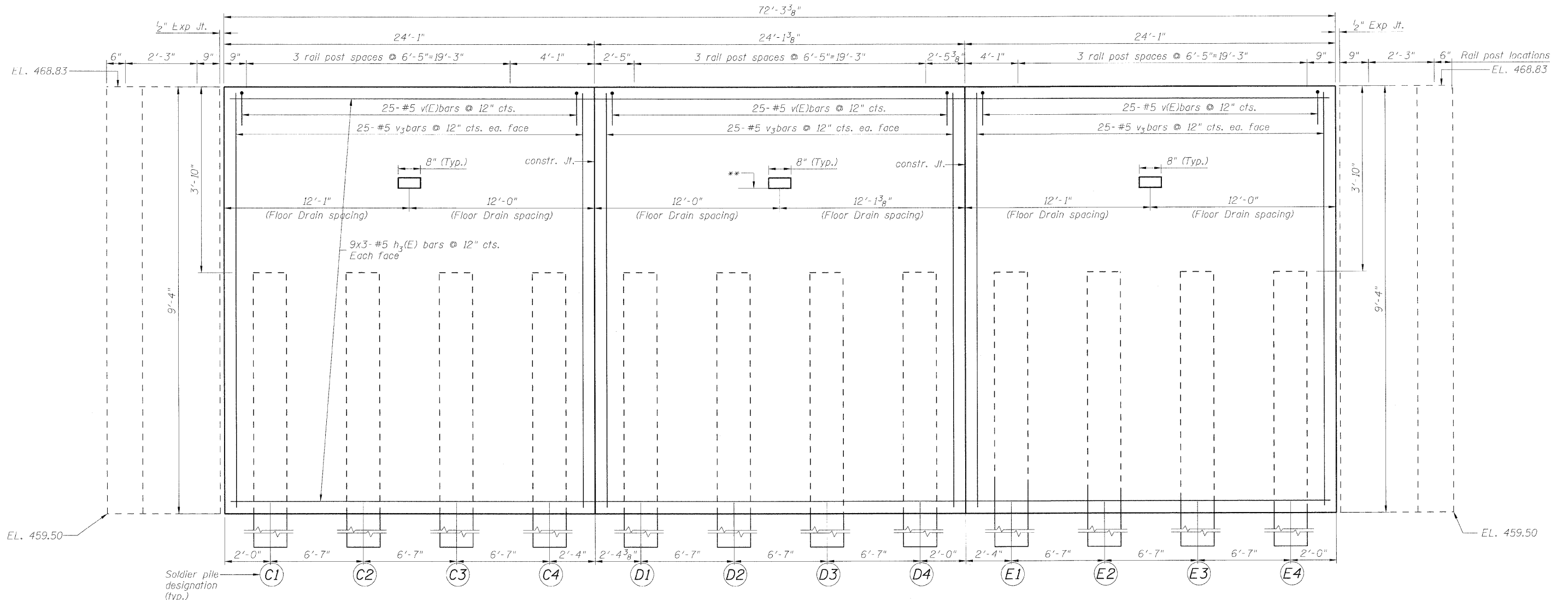
Note: For cross section thru panels & Soldier pile data See sht. 7 of 9. For Expansion Jt. details see 6 of 9. For Floor drain details see sht. 2 of 9.

MID-AMERICA ENGINEERING SERVICES

PANELS A & B

SHEET NO. 3 9 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	600	60-(30,31,128)-1	St. Clair/Madison	399	259
RETAINING WALL 1			CONTRACT NO. 76830		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



DESIGNED - KRG
CHECKED - MJK
DRAWN - GSJ
CHECKED - MJK

Min. bar laps
(unless noted otherwise)
5 bar = 1'-8"

Note: For cross section thru panels & Soldier pile data See. sht. 7 of 9. For Expansion Jt. details see 6 of 9. For Floor drain details see sht. 2 of 9.

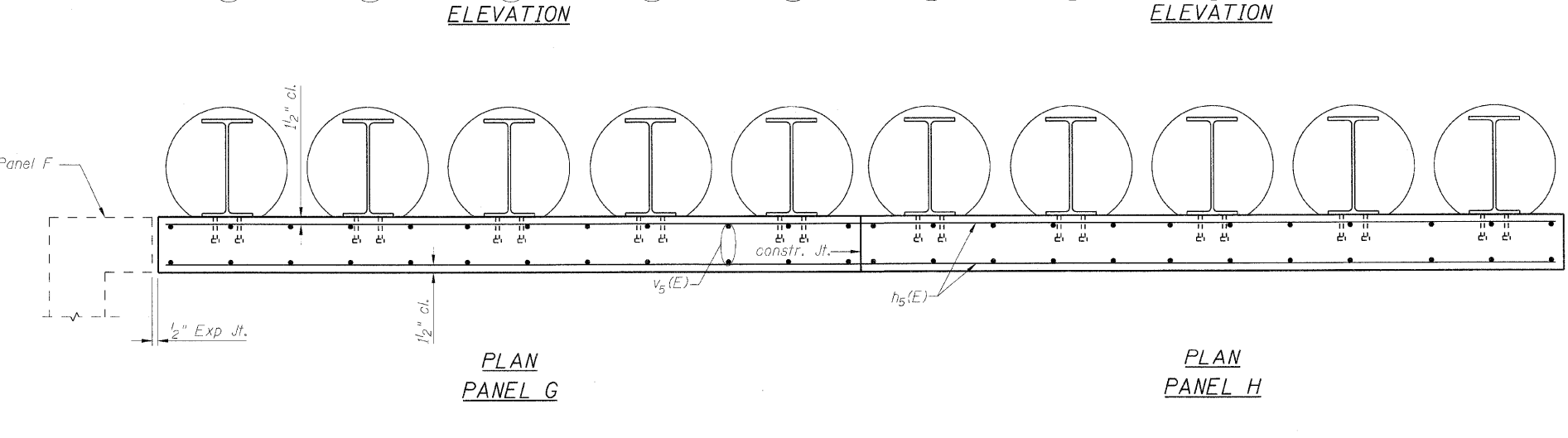
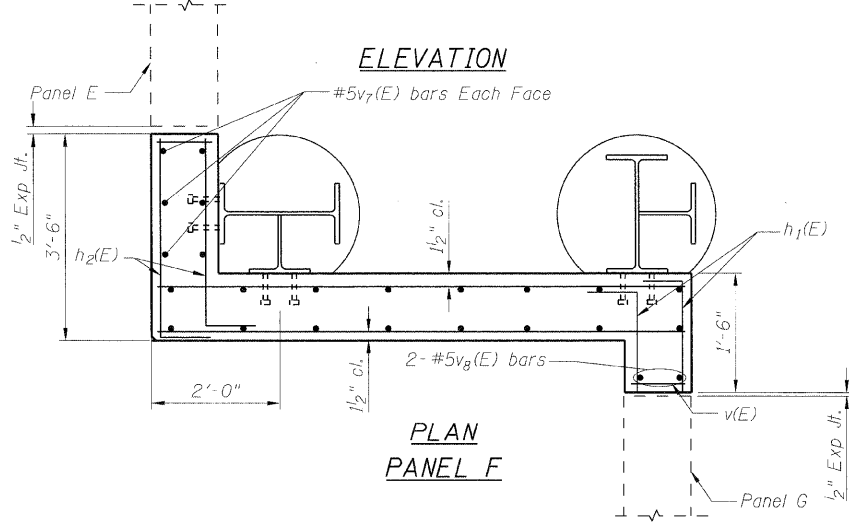
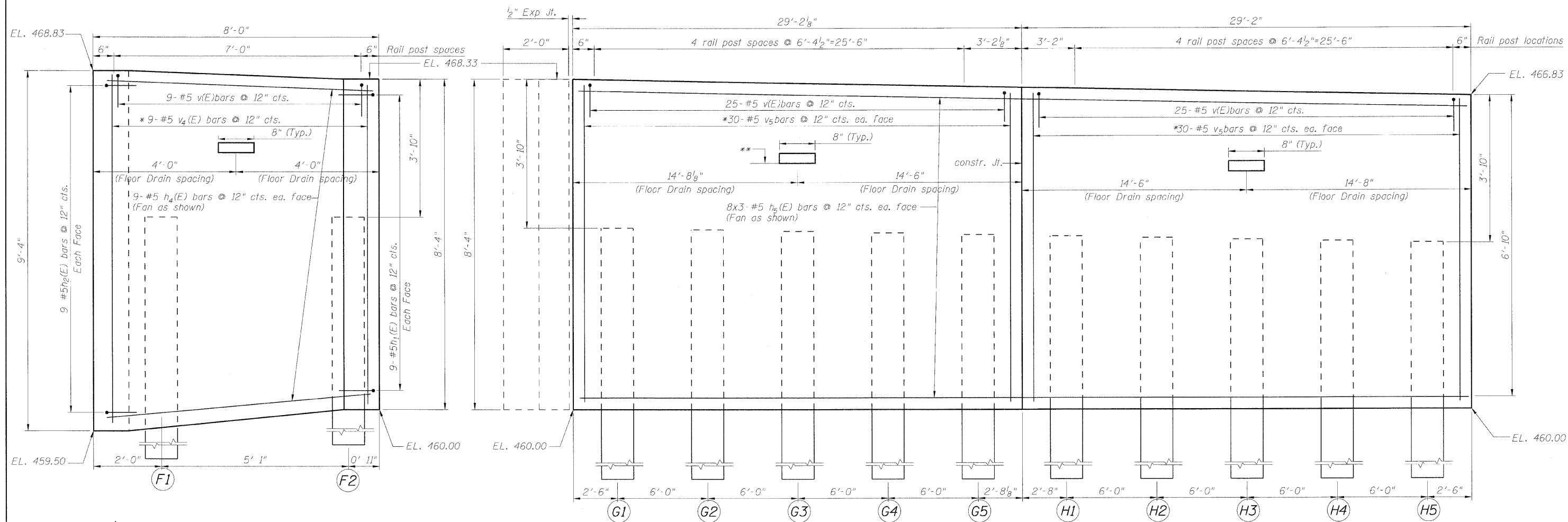
** Ground surface behind the wall (Typ.)

PANELS C & D & E

SHEET NO. 4 9 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	600	60-(30,31,128)-1	St. Clair/Madison	399	260
RETAINING WALL 1			CONTRACT NO. 76830		
FED. ROAD DIST. NO. -		ILLINOIS FED. AID PROJECT			

MID-AMERICA ENGINEERING SERVICES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



DESIGNED - KRG
CHECKED - MJK
DRAWN - GSI
CHECKED - MJK

Min. bar laps
(unless noted otherwise)
5 bar = 1'-8"

* Order v4(E) & v5(E) bars full length.
Cut to fit the lap and use the remainder on the opposite face. See bar cutting diagram on sht. 7 of 9.
** Ground surface behind the wall (Typ.)

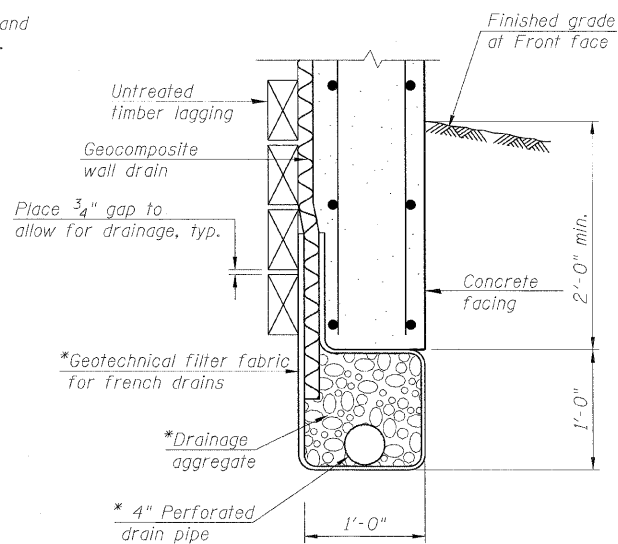
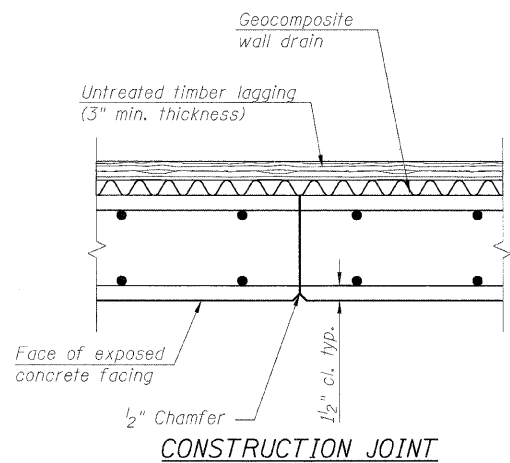
Note: For cross section thru panels & Soldier pile data See sht. 7 of 9. For Expansion Jt. details see 6 of 9. For Floor drain details see sht. 2 of 9.

MID-AMERICA ENGINEERING SERVICES

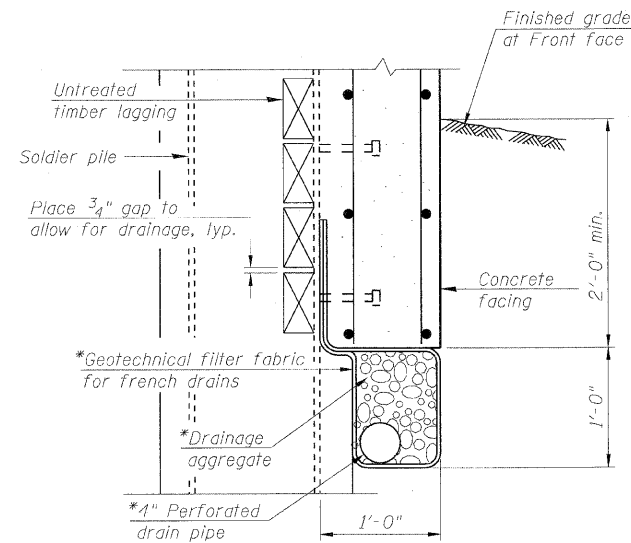
		PANELS F & G & H			
SHEET NO. 5	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9 SHEETS	600	60-(30,31,128)-1	St. Clair/Madison	399	261
RETAINING WALL 1			CONTRACT NO. 76830		
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Note: The contractor is responsible for the design and performance of the lagging using no less than 3 in. nominal rough-sawn thickness and timber with a minimum allowable bending stress of 1000 psi.

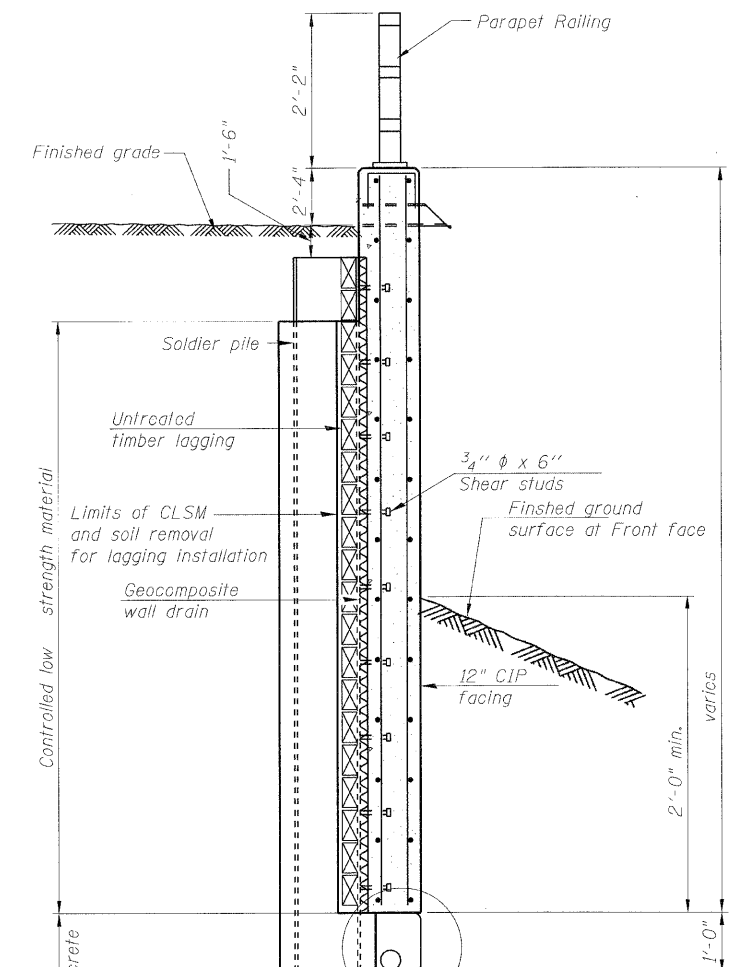


UNDER DRAIN DETAIL
BETWEEN SOLDIER PILES



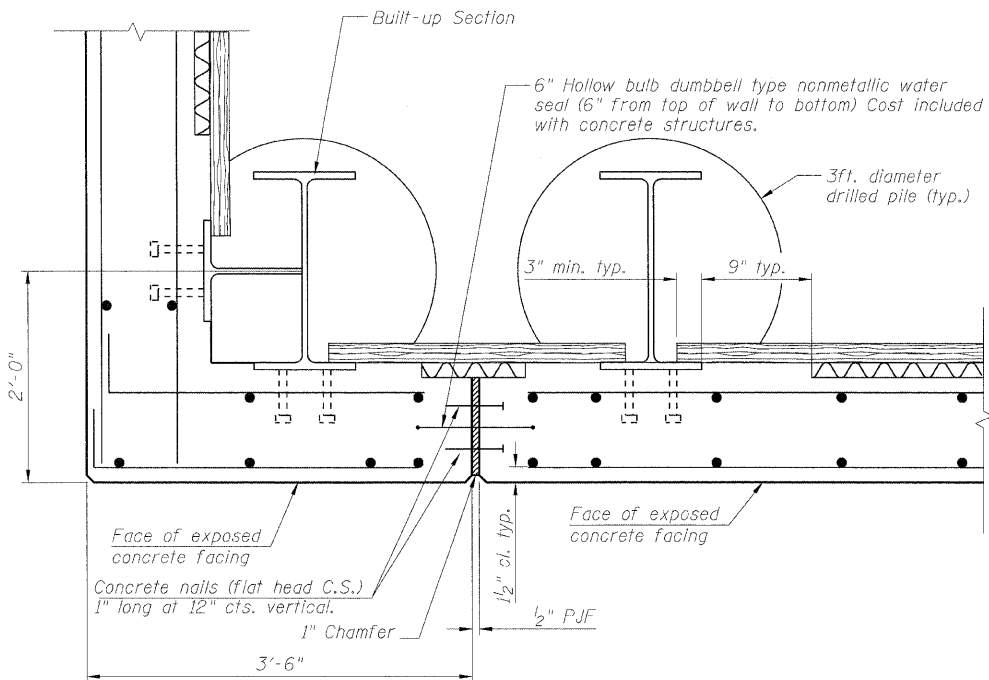
UNDER DRAIN DETAIL
AT SOLDIER PILES

* Included in the cost of Pipe Underdrains for structures.

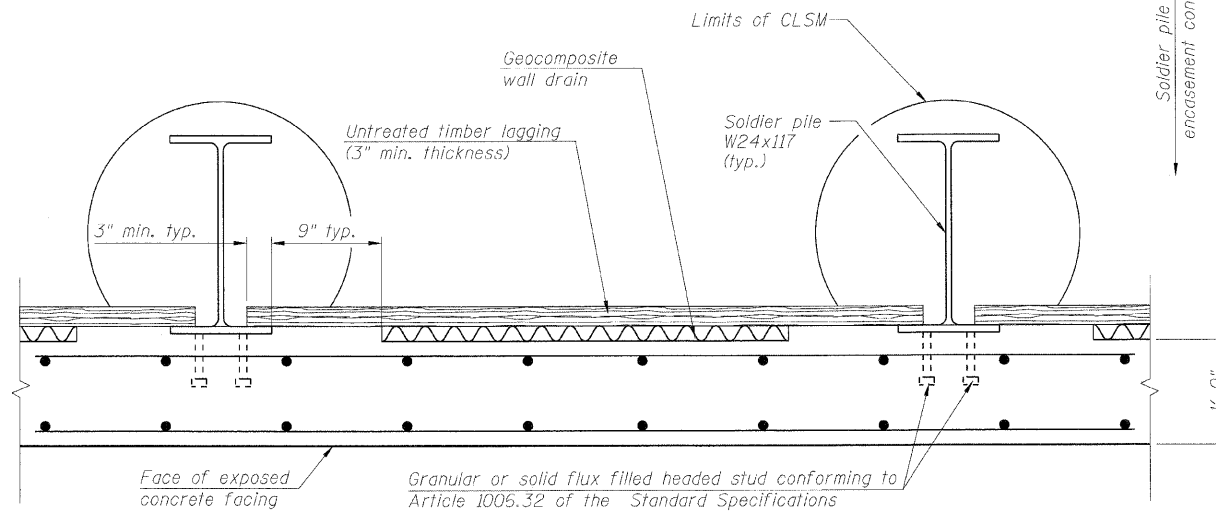


SECTION THRU
RETAINING WALL

All drainage system components shall extend to a point where it can be drained into the channel. The pipes shall drain into the concrete headwalls. See article 601.05 of the Standard Specifications and Highway Standard 601101



EXPANSION JOINT



TYPICAL PLAN THROUGH WALL

DESIGNED - KRG
CHECKED - MJK
DRAWN - GSJ
CHECKED - MJK

SOLDIER PILE WALL DETAILS

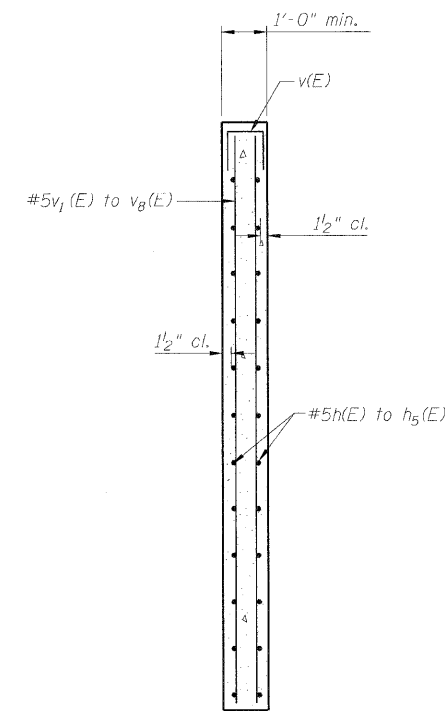
SHEET NO. 6	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	600	60-(30,31,128)-1	St. Clair/Madison	399	262
9 SHEETS	RETAINING WALL 1		CONTRACT NO. 76830		
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					

MID-AMERICA ENGINEERING SERVICES

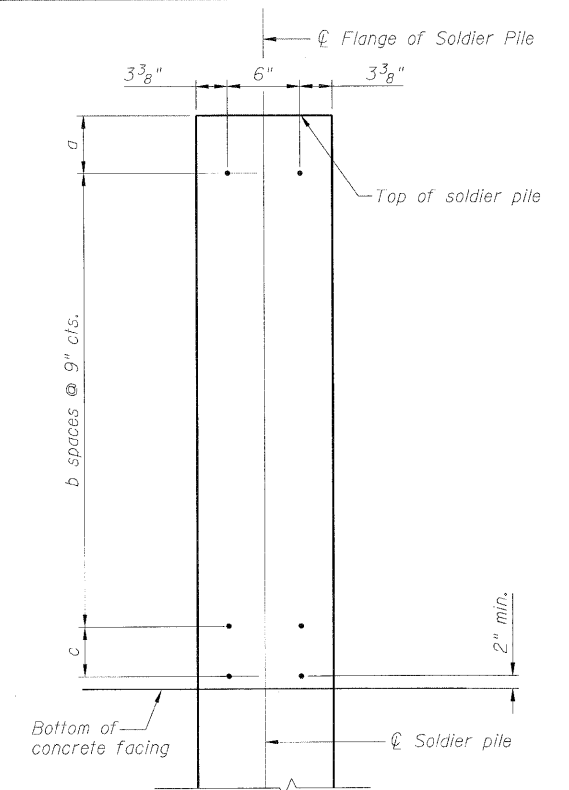
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOLDIER PILE DATA

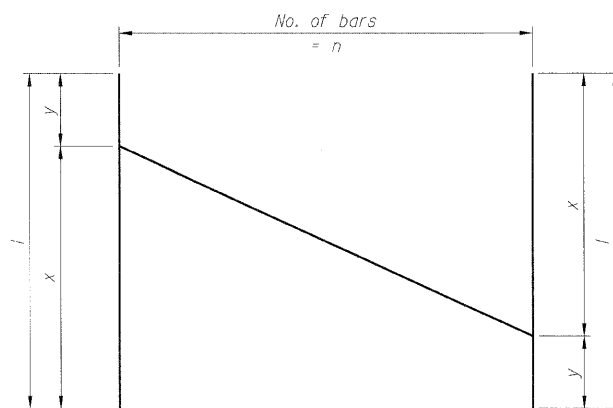
Panel	Soldier Pile Designations	Top of soldier Pile Elevation	Bottom of soldier Pile Elevation	Top of concrete encasement	Top of CLSM	Stud Shearconnectors			
						a	b	c	No. per pile
A	A ₁ W Section	463.50	434.00	460.50	±462.50	3"	2	6"	8
	A ₂ W Section						2	6"	8
	A ₃ W Section						3	4"	10
B	B ₁ Built up Section	464.50					3	4"	10
	B ₂ W Section			459.90			3	4"	10
	B ₃ Built up Section			459.50			3	4"	10
C	C ₁ W Section	465.00		459.50			7	3"	18
	C ₂ W Section								
	C ₃ W Section								
	C ₄ W Section								
D	D ₁ W Section								
	D ₂ W Section								
	D ₃ W Section								
	D ₄ W Section								
E	E ₁ W Section								
	E ₂ W Section								
	E ₃ W Section								
	E ₄ W Section								
F	F ₁ Built up Section	464.50					6	3"	14
	F ₂ Built up Section	464.50		460.20			3	4"	8
G	G ₁ W Section	463.00		460.00			5	3"	12
	G ₂ W Section								
	G ₃ W Section								
	G ₄ W Section								
	G ₅ W Section								
H	H ₁ W Section								
	H ₂ W Section								
	H ₃ W Section								
	H ₄ W Section								
	H ₅ W Section								



SECTION THRU PANEL



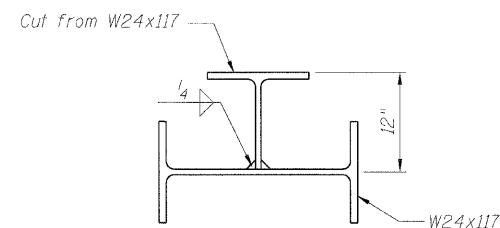
SHEAR STUD SPACING DETAIL



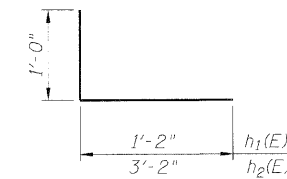
BAR CUTTING DIAGRAM

BAR DIMENSIONS

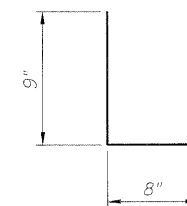
Bar	n	x	y	l
v ₁ (E)	14	7'-6"	6'-6"	14'-0"
v ₂ (E)	14	9'-0"	7'-6"	16'-6"
v ₄ (E)	9	9'-0"	8'-0"	17'-0"
v ₅ (E)	60	8'-0"	6'-6"	14'-6"



SOLDIER PILE
(Built-up Section)



BARS h₁(E) to h₂(E)



BAR v(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	34	#5	13'-2"	—
h ₁ (E)	36	#5	2'-2"	—
h ₂ (E)	36	#5	4'-2"	—
h ₃ (E)	54	#5	25'-3"	—
h ₄ (E)	18	#5	7'-8"	—
h ₅ (E)	48	#5	20'-6"	—
v(E)	180	#5	2'-2"	—
v ₁ (E)	14	#5	14'-0"	—
v ₂ (E)	14	#5	16'-6"	—
v ₃ (E)	150	#5	9'-0"	—
v ₄ (E)	9	#5	17'-0"	—
v ₅ (E)	60	#5	14'-6"	—
v ₆ (E)	2	#5	7'-6"	—
v ₇ (E)	12	#5	9'-0"	—
v ₈ (E)	2	#5	8'-0"	—
Concrete Structures			Cu. Yd.	58.0
Reinforcement Bars (Epoxy coated)			Pound	6780

SOLDIER PILE DETAIL

SHEET NO. 7	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9 SHEETS	600	60-(30,31,128)-1	St. Clair/Madison	399	263
RETAINING WALL 1			CONTRACT NO. 76830		
FED. ROAD DIST. NO. _		ILLINOIS FED. AID PROJECT			

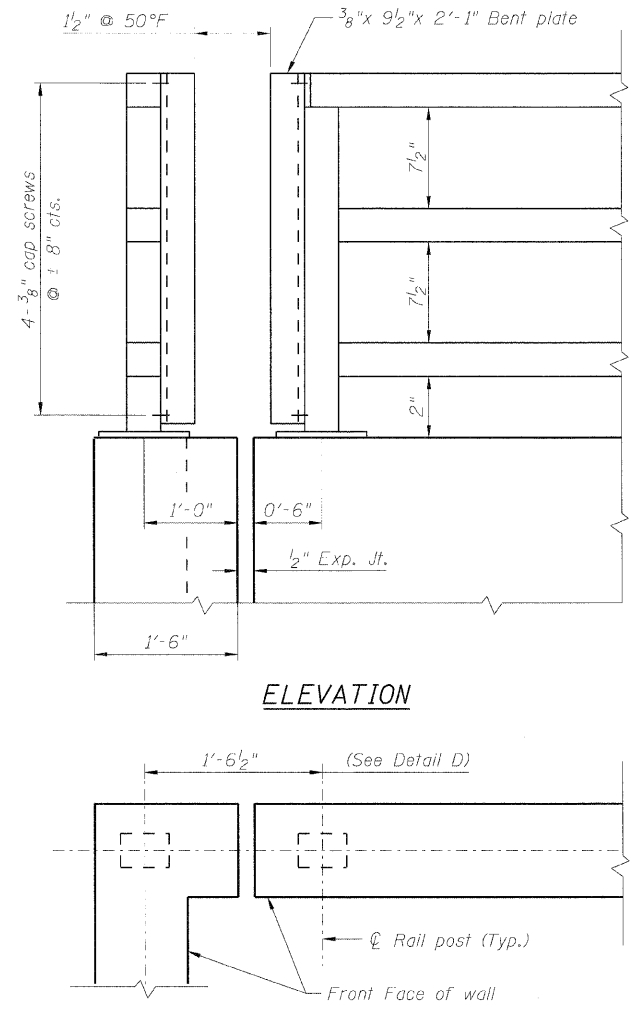
DESIGNED - KRG
CHECKED - MJK
DRAWN - GSJ
CHECKED - MJK

MID-AMERICA ENGINEERING SERVICES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NOTE: All steel railing elements shall be galvanized according to article 509.05 of the Standard Specifications.

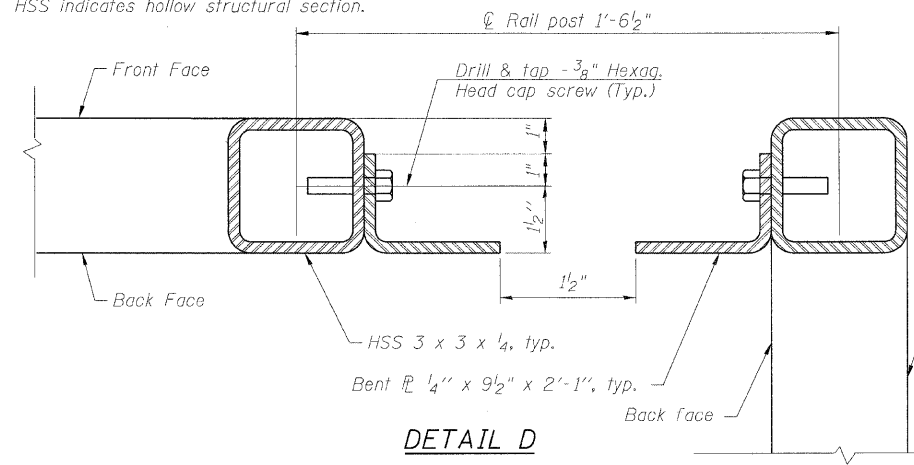
HSS indicates hollow structural section.



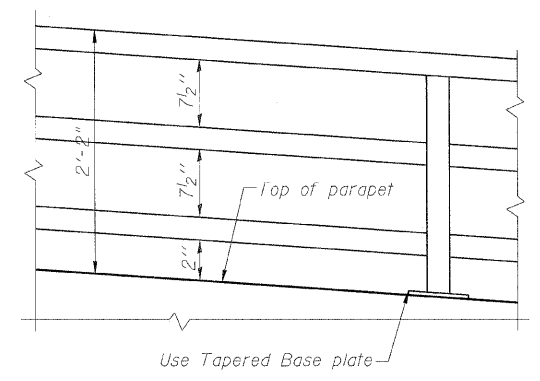
ELEVATION

PLAN

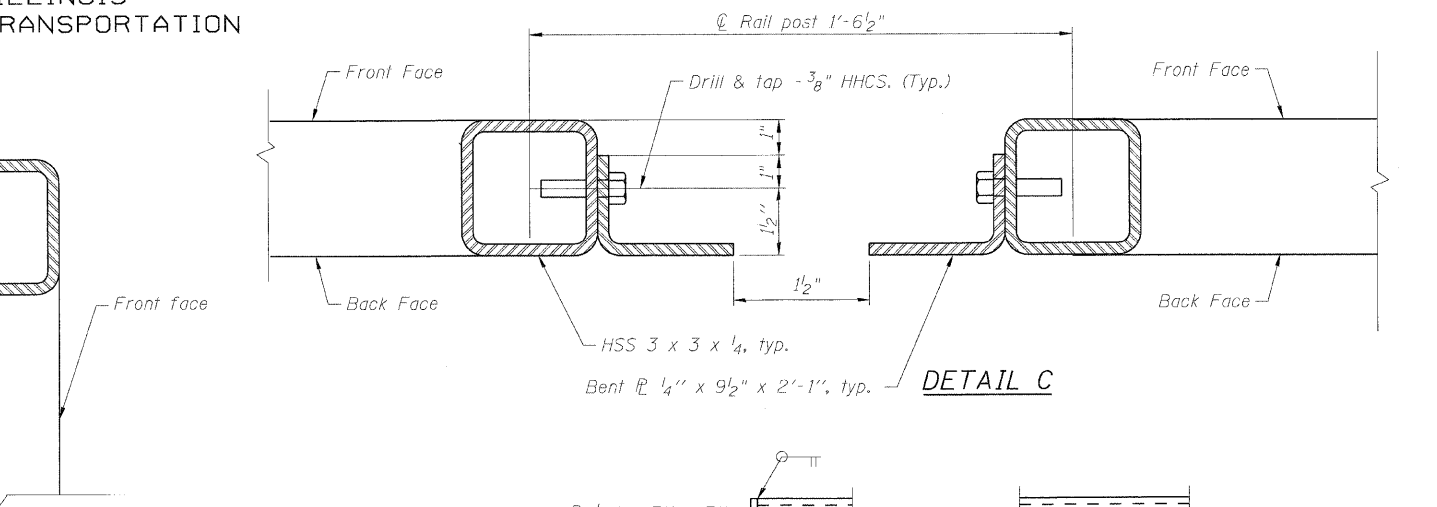
Wall corner detail at station 108+91.75 (82' Lt.) & 109+71.11 (76.50' Lt.)



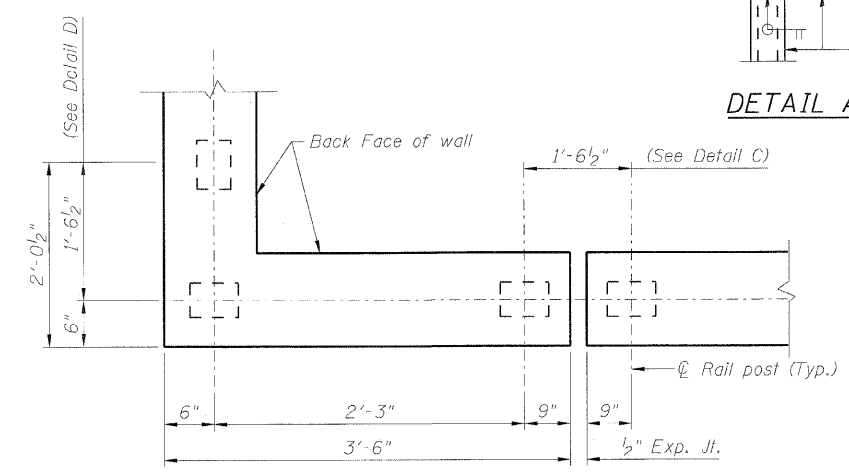
DETAIL D



PARAPET RAILING ELEVATION
(Inclined top of wall)



DETAIL C



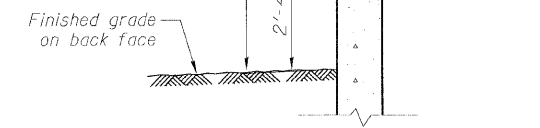
PLAN

Wall corner detail at station 108+91.75 (69.50' Lt.) & 109+71.11 (69.50' Lt.)

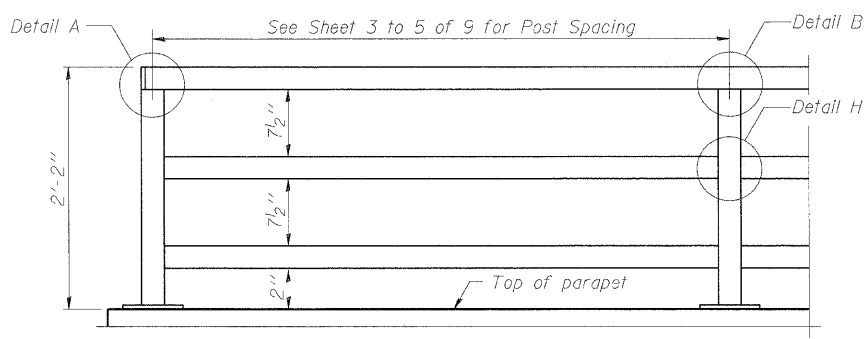
DETAIL A

DETAIL B

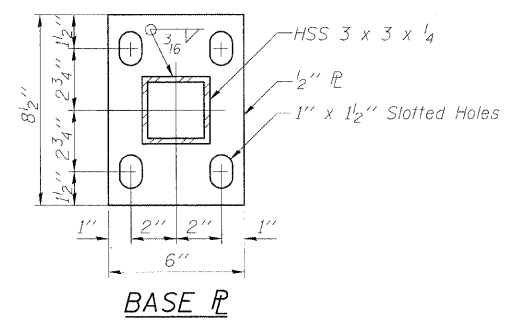
DETAIL H



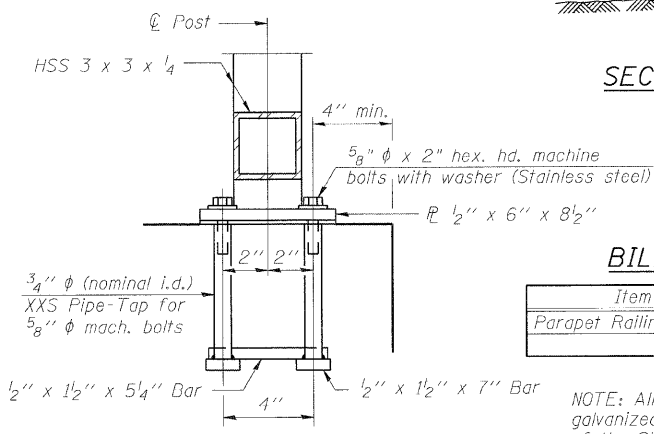
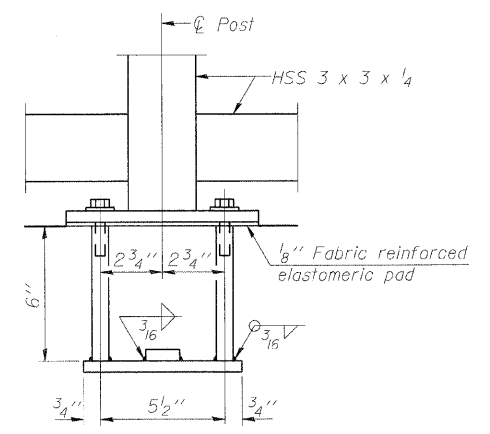
SECTION THRU PARAPET



PARAPET RAILING ELEVATION
(Inside Face of Three Element Rail)



BASE PL



ANCHOR BOLT DETAILS

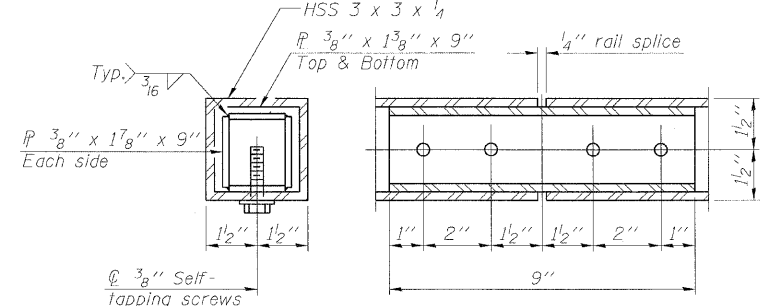
In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8 inch diameter anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

BILL OF MATERIAL

Item	Unit	Quantity
Parapet Railing	Foot	172

NOTE: All steel railing elements shall be galvanized according to article 509.05 of the Standard Specifications.
HHCS designates Hexagonal head cap screws
HSS designates hollow structural section.

DESIGNED - KRG
CHECKED - MJK
DRAWN - GSJ
CHECKED - MJK



RAIL SPLICE

PARAPET RAILING

SHEET NO. 8 9 SHEETS	F.A.P. RTE. 600	SECTION 60-(30,31,128)-1	COUNTY St. Clair/Madison	TOTAL SHEETS 399	SHEET NO. 264
	RETAINING WALL 1		CONTRACT NO. 76830		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

MID-AMERICA ENGINEERING SERVICES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation SOIL BORING LOG Page 1 of 1
Date 11/1/08

ROUTE FAP 600 DESCRIPTION Retaining Wall North of Cherokee Street (Sta. 102+00 to 110+00) LOGGED BY E. Stewart

SECTION 60-(30,31,128)-1 LOCATION SEC. 33, TWP. 3N, RNG. 8W, 3 PM

COUNTY Madison / St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. N/A Station N/A

BORING NO. RW 1 Station 110+00
Offset 85.00 ft L.T.
Ground Surface Elev. 466.2 ft

DEPTH (ft)	DEPTH (ft)	UCS (tsf)	MOISTURE (%)	SOIL DESCRIPTION	DEPTH (ft)	DEPTH (ft)	UCS (tsf)	MOISTURE (%)
2				Light Gray SILT A-4(B)				
3	0.19			Dark Brown Silt LOAM See Classification @ 15 ft (continued)	3	0.55		
3	S/5	26			8	B/20	23	
462.7								
1	0.17			Light Gray SILT A-4(B)				
2	B/15	32		Light Gray Silt LOAM A-4(B) See Classification @ 25 ft	2	0.59		
2					3	B/20	29	
2	0.65				2			
2	B/20	31		7	B/20	19		
1					3			
2	1.09				2	0.59		
8	B/20	28		1	B/20	29		
436.3				END OF BORING				
3								
2	1.24							
3	B/20	27						
2								
2	1.11							
2	B/20	28						
2								
1	0.98							
2	B/20	28						
2								
2	1.04							
2	B/20	22						

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T208)
BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation SOIL BORING LOG Page 1 of 1
Date 8/23/08

ROUTE FAP 600 DESCRIPTION Retaining Wall North of Cherokee Street LOGGED BY S. Wiszkon

SECTION 60-(30,31,128)-1 LOCATION SEC. 33, TWP. 3N, RNG. 8W, 3 PM

COUNTY Madison / St. Clair DRILLING METHOD Hand Auger HAMMER TYPE

STRUCT. NO. N/A Station N/A

BORING NO. RW 1 Station 110+00
Offset 80.00 ft L.T.
Ground Surface Elev. 463.3 ft

DEPTH (ft)	DEPTH (ft)	UCS (tsf)	MOISTURE (%)	SOIL DESCRIPTION	DEPTH (ft)	DEPTH (ft)	UCS (tsf)	MOISTURE (%)
0.26				Brown Silt LOAM				
0.50								
0.50								
460.3								
0.38				Dark Gray Silt LOAM				
0.50								
458.3								
0.25				Dark Gray Silty CLAY				
0.25								
0.00								
0.00								
463.3				END OF HAND AUGER				
				Pocket Penetrometer used for Qu				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T208)
BBS, from 137 (Rev. 8-99)

DESIGNED - KRG
CHECKED - MJK
DRAWN - GSJ
CHECKED - MJK

SHEET NO. 9 9 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	600	60-(30,31,128)-1	St. Clair/Madison	399	265
	RETAINING WALL 1			CONTRACT NO. 76830	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

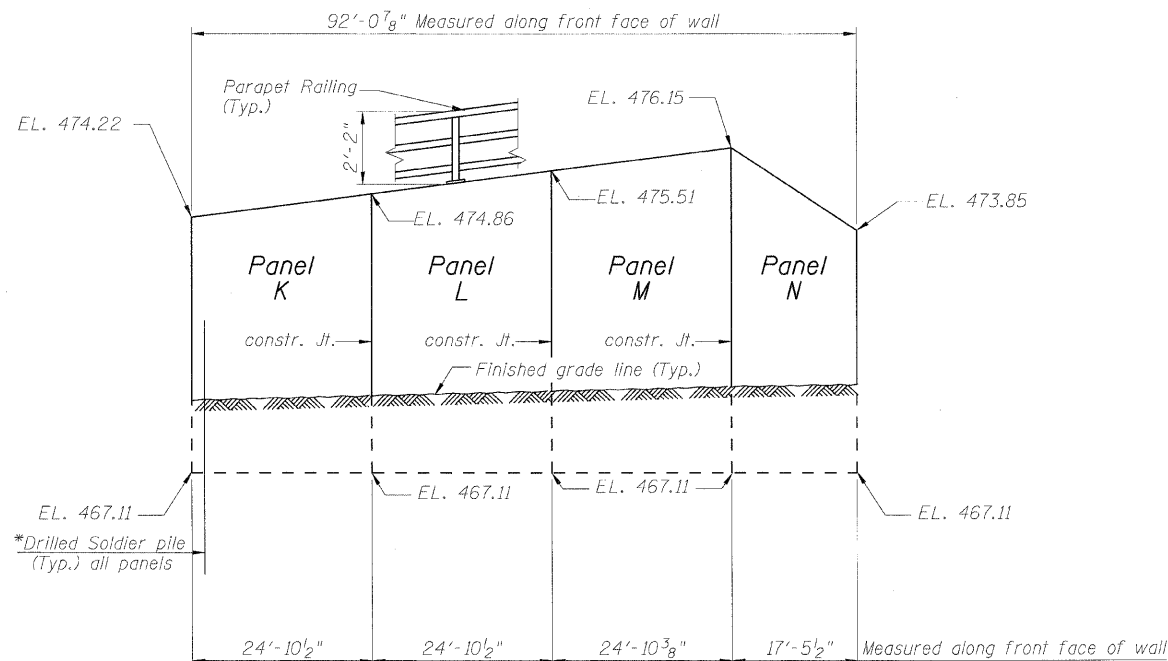
MID-AMERICA ENGINEERING SERVICES

BORING LOGS

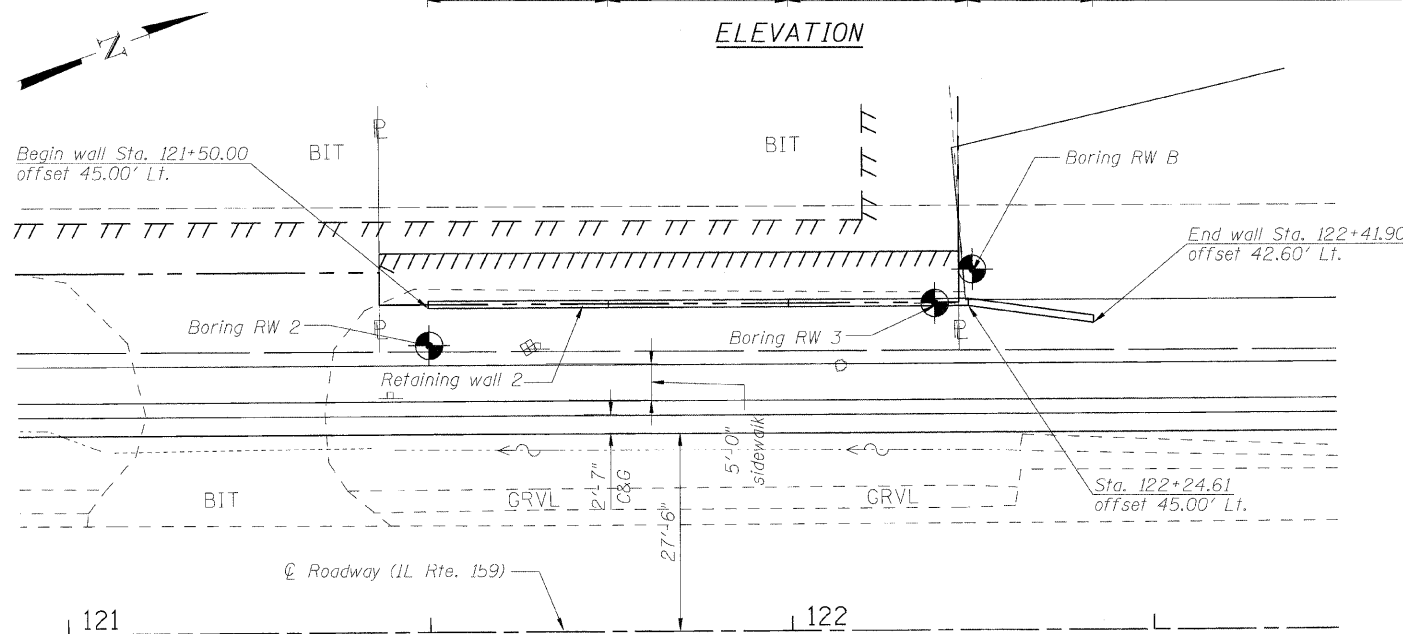
B.M. - # 114 Chiseled on center of N. Headwall for concrete box culvert, located on W. side of IL Rte. 159 in "Buff Truck outfilters" parking lot across from historical landmark "Catsup Bottle" Elev. 475.811

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

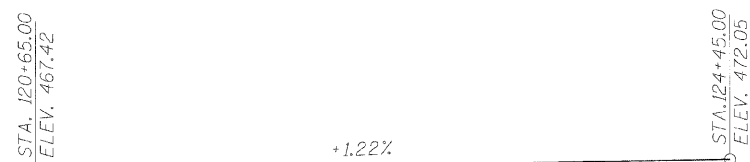
Existing Structure: None



ELEVATION



PLAN



PROFILE GRADE

Along Roadway FAP 600 (IL 159)

LEGEND

- Temporary Easement
- Permanent Easement
- Proposed ROW
- Existing ROW

* See sheets 3 & 5 of 7 for soldier pile locations & tip elevations.

INDEX OF SHEETS

1. General Plan and Elevation
2. General Notes, Cross section & Total Bill of Material
3. Panels K, L, M & N
4. Soldier pile wall details
5. Soldier pile wall data
6. Parapet Railing
7. Boring Logs

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges

DESIGN STRESSES

FIELD UNITS

- $f'_c = 3,500$ psi
- $f_y = 60,000$ psi (Reinforcement)
- $f_y = 36,000$ psi (soldier piles)

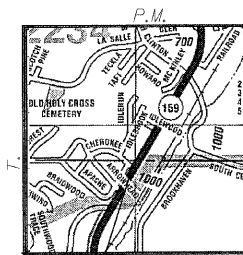
APPROVED
FOR STRUCTURAL ADEQUACY ONLY

Ralph E. Anderson (TD)
ENGINEER OF BRIDGES AND STRUCTURES



Expires: 11/30/2010

m.j. karshenas 10-5-2009



LOCATION SKETCH

MID-AMERICA ENGINEERING SERVICES

GENERAL PLAN & ELEVATION

IL RTE. 159
FAP ROUTE 600 SEC. 60-(30,31,128)-1
MADISON COUNTY
STA. 122+00.00

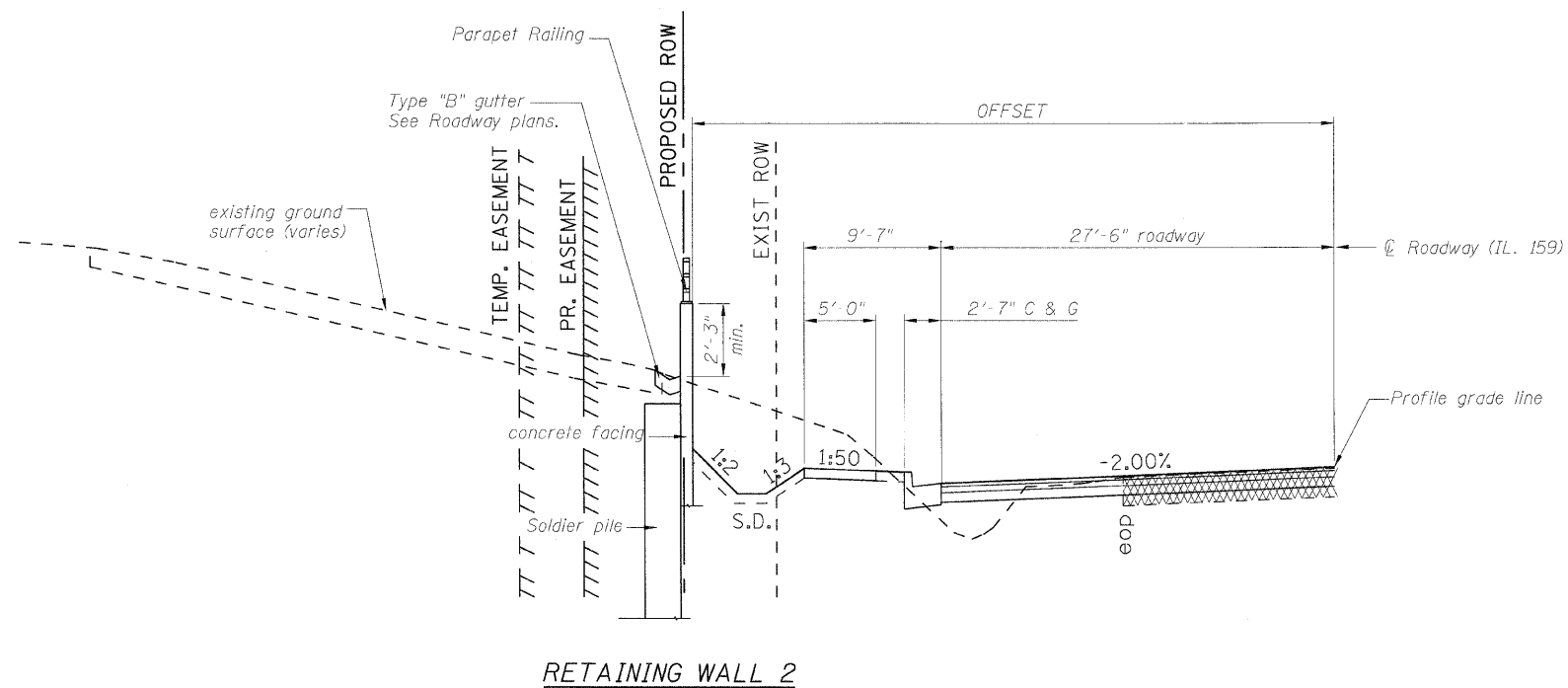
DESIGNED - KRG
CHECKED - MJK
DRAWN - GSJ
CHECKED - MJK

SHEET NO. 1 7 SHEETS	F.A.P. RTE. 600	SECTION 60-(30,31,128)-1	COUNTY Madison	TOTAL SHEETS 399	SHEET NO. 266
	RETAINING WALL 2			CONTRACT NO. 76830	
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

1. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
2. Reinforcement bars designated (E) shall be epoxy coated.
3. All exposed edges of concrete shall be bevelled $\frac{3}{4}$ ".
4. The geocomposite wall drain shall be constructed according to section 591 of the Standard Specifications. The contractor shall insure that the bottom, sides and the top edges are protected from soil entering or sealing the drain while placing the pervious fabric side of the drain towards the soil. Geocomposite wall drain shall be installed in stages as the excavation processes downward. Splicing should be minimized, following proper splice practices to insure no long term soil contamination.
5. The buildings behind the retaining wall are susceptible to damage and the contractor shall not leave the excavations unsupported during construction as specified in the special provisions by using the top down placement of the lagging.



TOTAL BILL OF MATERIAL

Item	Unit	Quantity
Structure Excavation	Cu. Yd.	69
Concrete Structures	Cu. Yd.	29.6
Stud Shear connectors	Each	152
Reinforcement Bars, Epoxy Coated	Pound	3720
Parapet Railing	Foot	92
Geocomposite Wall Drain	Sq. Yd.	28
Pipe Underdrains for Structures, 4"	Foot	96
Furnishing Soldier Piles(w section)	Foot	459
Drilling and setting Soldier piles (in soil)	Cu. Ft.	3391
Untreated Timber Lagging	Sq. Ft.	345

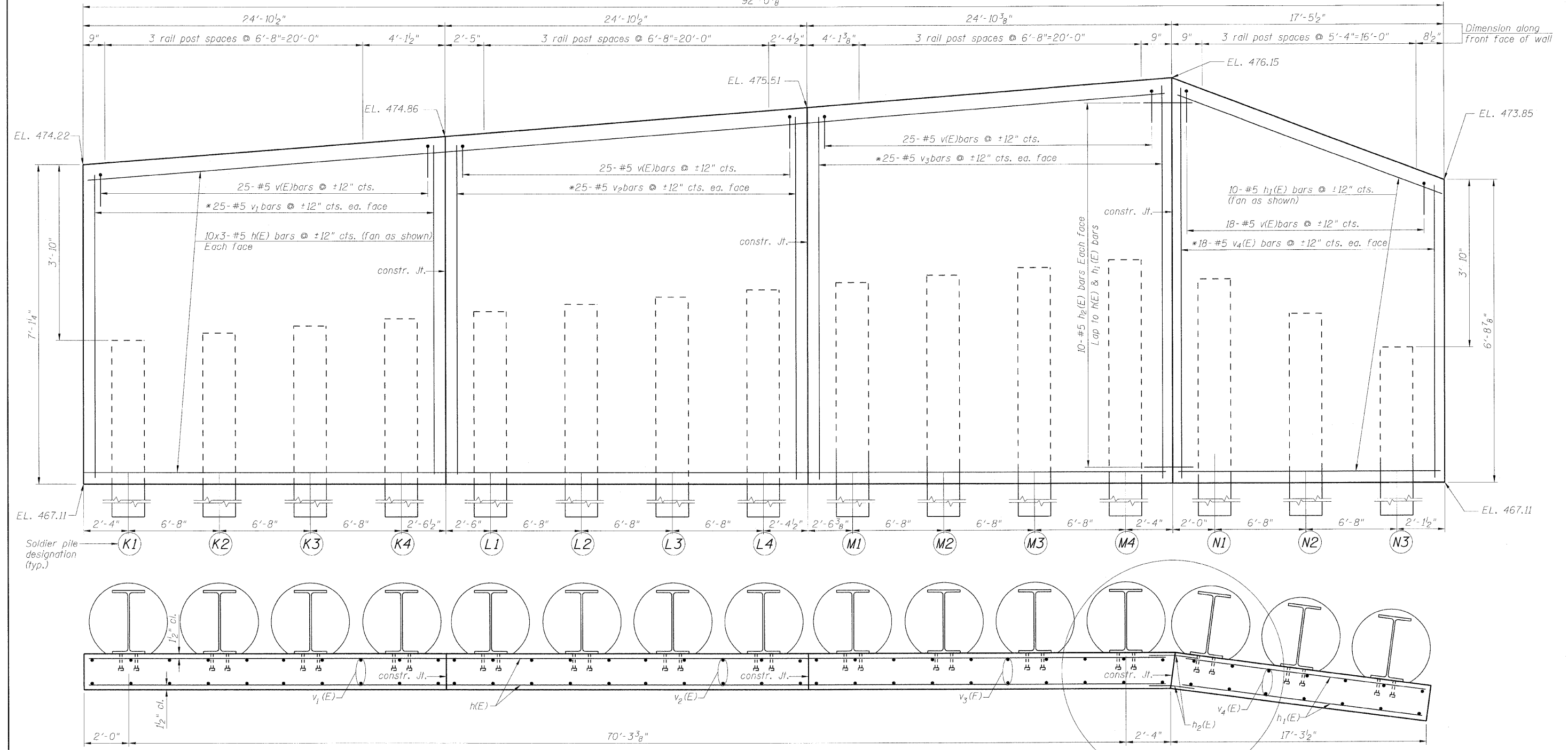
DESIGNED - KRG
CHECKED - MJK
DRAWN - GSJ
CHECKED - MJK

GENERAL NOTES, CROSS SECTION & TOTAL BILL MATERIAL

SHEET NO. 2	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	600	60-(30,31,128)-1	Madison	399	267
7 SHEETS	RETAINING WALL 2		CONTRACT NO. 76830		
FED. ROAD DIST. NO. -		ILLINOIS	FED. AID PROJECT		

MID-AMERICA ENGINEERING SERVICES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
92'-0 7/8"



PLAN
PANEL K

PLAN
PANEL L

PLAN
PANEL M

PLAN
PANEL N

SEE DETAIL A
sht. 4 of 7.

DESIGNED - KRG
CHECKED - MJK
DRAWN - GSJ
CHECKED - MJK

Min. bar laps
(unless noted otherwise)
5 bar = 1'-8"

* Order v1(E) to v4(E) bars full length.
Cut to fit the taper and use the
remainder on the opposite face.
See bar cutting diagram on sht. 5 of 7.

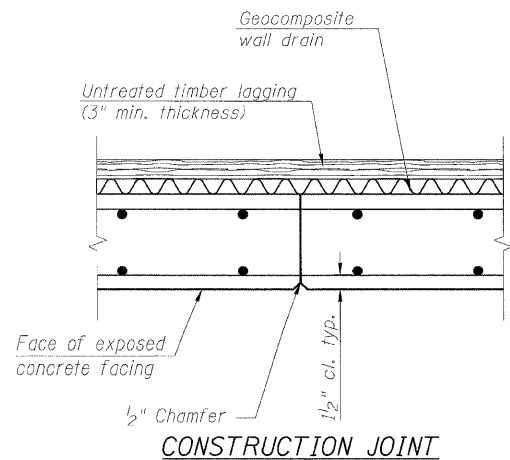
Note: For or cross section thru panels & Soldier pile data
See sht. 5 of 7. For constr. Jt. details see 4 of 7.

MID-AMERICA ENGINEERING SERVICES

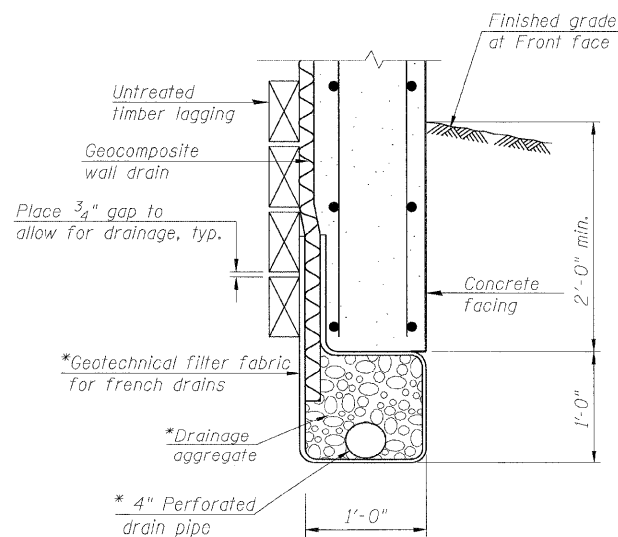
SHEET NO. 3		PANELS K, L, M & N			
7 SHEETS	F.A.P. RTE. 600	SECTION 60-(30,31,128)-1	COUNTY Madison	TOTAL SHEETS 399	SHEET NO. 268
	RETAINING WALL 2		CONTRACT NO. 76830		
	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

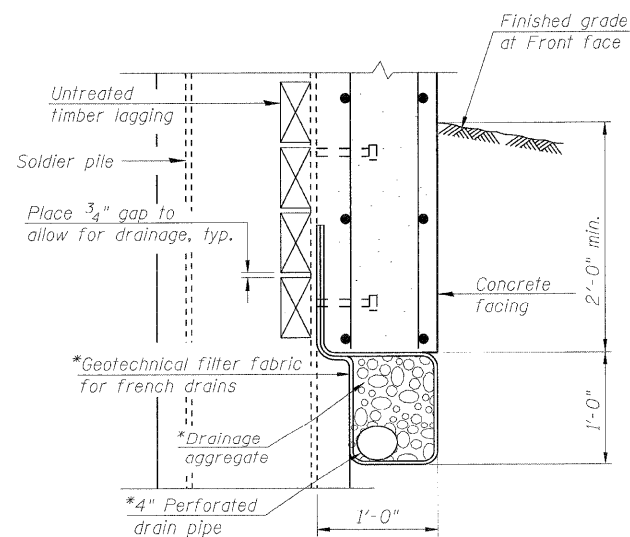
Note: The contractor is responsible for the design and performance of the lagging using no less than 3 in. nominal rough-sawn thickness and timber with a minimum allowable bending stress of 1000 psi.



CONSTRUCTION JOINT

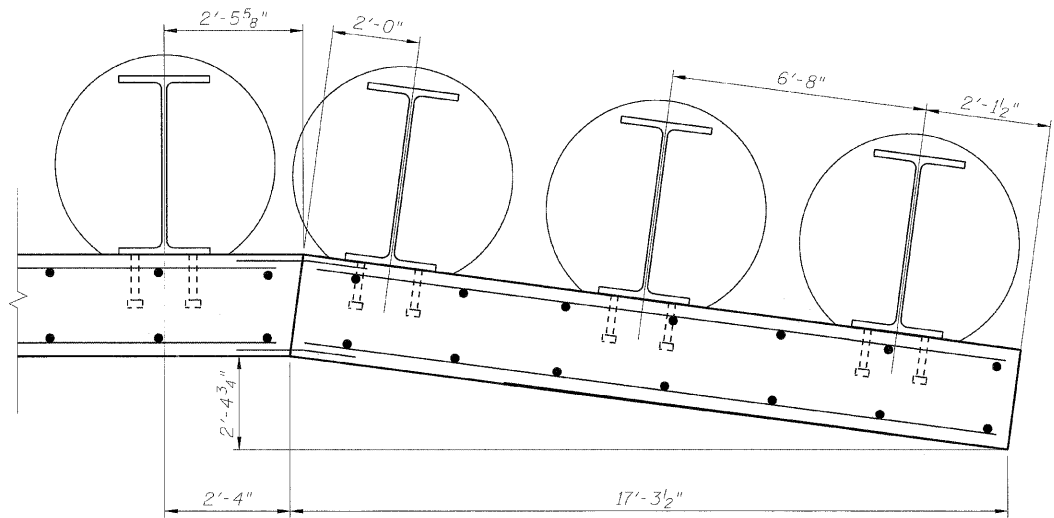


UNDER DRAIN DETAIL
BETWEEN SOLDIER PILES

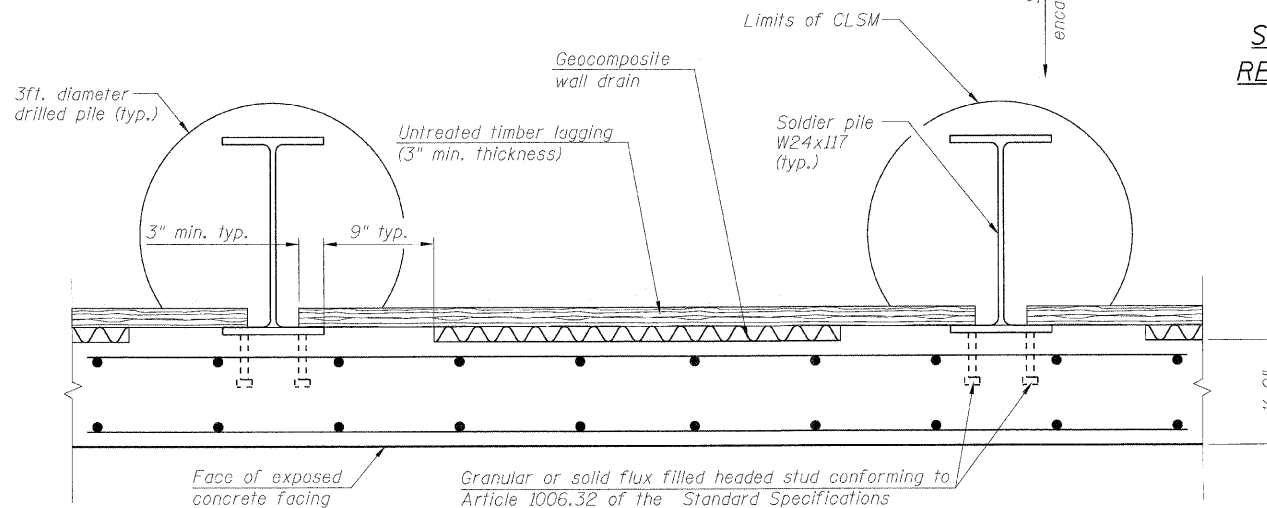


UNDER DRAIN DETAIL
AT SOLDIER PILES

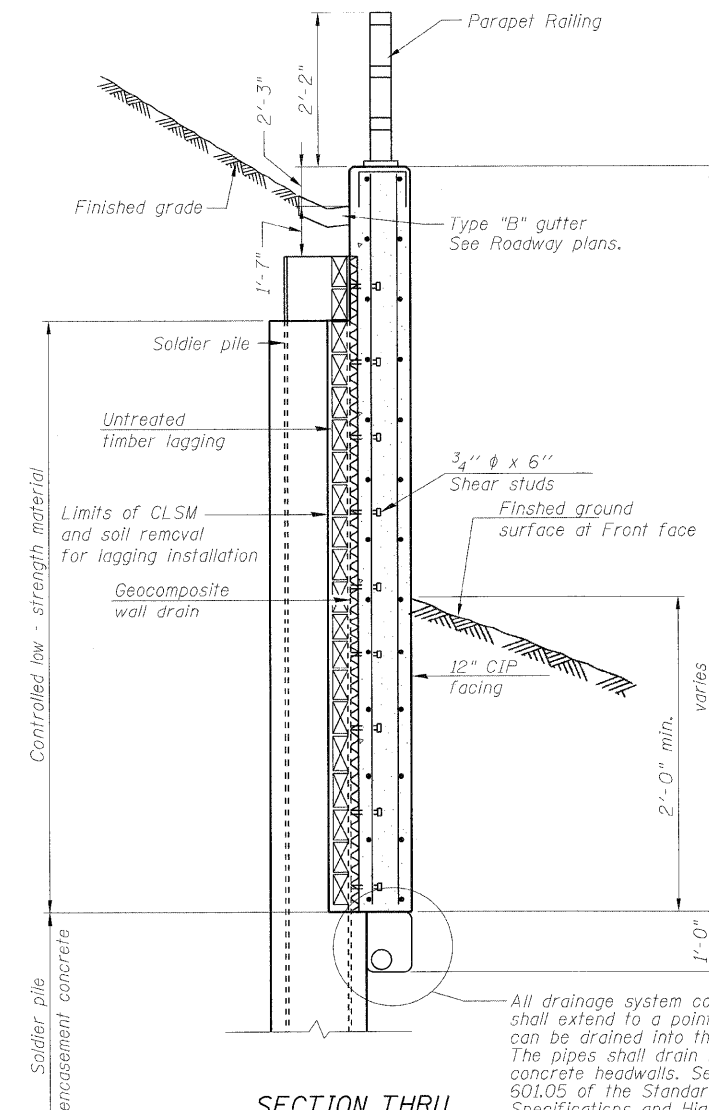
* Included in the cost of Pipe Underdrains for structures.



DETAIL A



TYPICAL PLAN THROUGH WALL



SECTION THRU
RETAINING WALL

All drainage system components shall extend to a point where it can be drained into the channel. The pipes shall drain into the concrete headwalls. See article 601.05 of the Standard Specifications and Highway Standard 601101

DESIGNED - KRG
CHECKED - MJK
DRAWN - GSJ
CHECKED - MJK

SOLDIER PILE WALL DETAILS

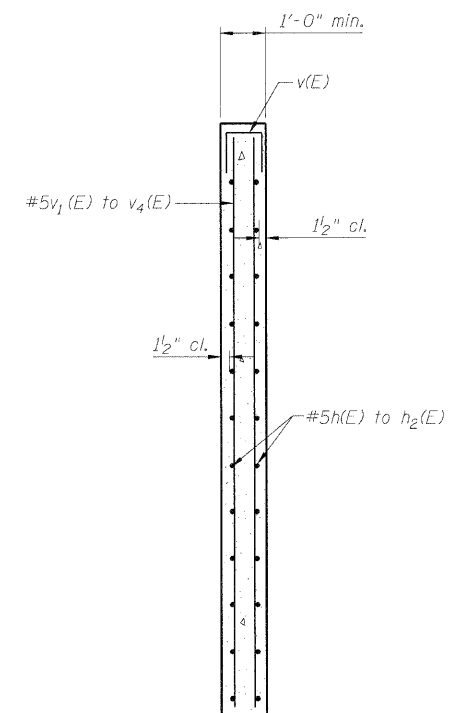
SHEET NO. 4 7 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	600	60-(30,31,128)-1	Madison	399	269
RETAINING WALL 2			CONTRACT NO. 76830		
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					

MID-AMERICA ENGINEERING SERVICES

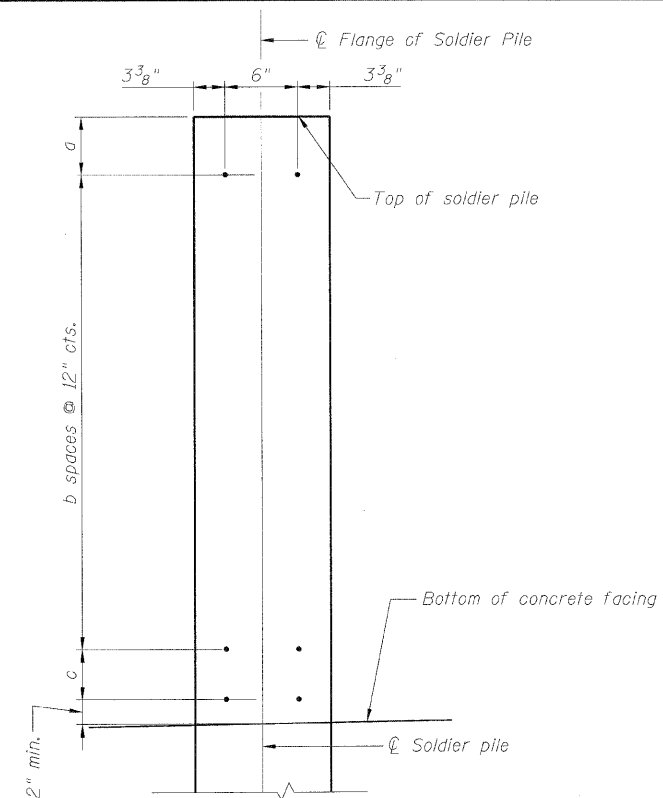
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOLDIER PILE DATA

Panel	Soldier Pile Designations	Top of soldier Pile Elevation	Bottom of soldier Pile Elevation	Top of concrete encasement	Top of CLSM	Stud Shearconnectors			
						a	b	c	No. per pile
K	K ₁ W Section	470.39	441.00	467.11	469.00	3"	2	10"	8
	K ₂ W Section	470.58					2	12"	8
	K ₃ W Section	470.75					3	2 1/2"	10
	K ₄ W Section	470.93					3	5"	10
L	L ₁ W Section	471.06			470.00		3	6"	10
	L ₂ W Section	471.23					3	8"	10
	L ₃ W Section	471.40					3	10"	10
	L ₄ W Section	471.58					3	12"	10
M	M ₁ W Section	471.70					3	12"	10
	M ₂ W Section	471.88					4	4"	12
	M ₃ W Section	472.06			471.00		4	6"	12
	M ₄ W Section	472.22					4	12"	12
N	N ₁ W Section	471.86					4	3"	12
	N ₂ W Section	470.98					3	5"	10
	N ₃ W Section	470.02			469.00		2	5"	8



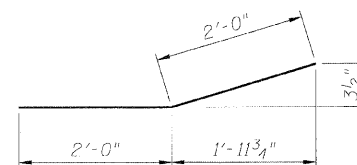
SECTION THRU PANEL



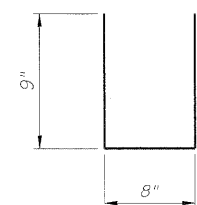
SHEAR STUD SPACING DETAIL

BAR DIMENSIONS

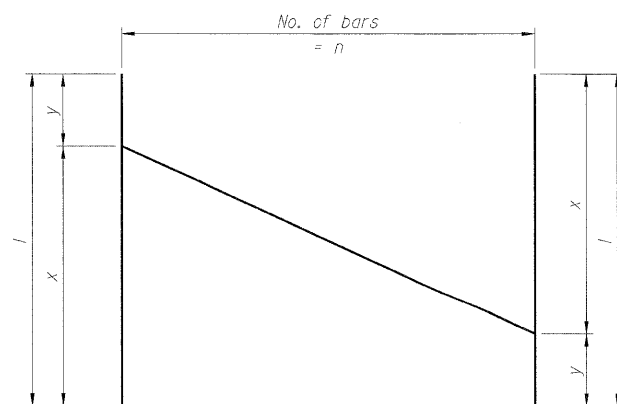
Bar	n	x	y	l
v ₁ (E)	25	7'-5"	6'-9"	14'-2"
v ₂ (E)	25	7'-5"	8'-1"	15'-6"
v ₃ (E)	25	8'-1"	8'-8"	16'-9"
v ₄ (E)	18	8'-8"	6'-5"	15'-1"



BAR h₂(E)



BARS v(E)



BAR CUTTING DIAGRAM

Bars v₁(E) to v₄(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	60	#5	25'-1"	—
h ₁ (E)	20	#5	17'-1"	—
h ₂ (E)	20	#5	4'-0"	—
v(E)	93	#5	2'-2"	U
v ₁ (E)	25	#5	14'-2"	—
v ₂ (E)	25	#5	15'-6"	—
v ₃ (E)	25	#5	16'-9"	—
v ₄ (E)	18	#5	15'-1"	—
Concrete Structures			Cu. Yd.	29.6
Reinforcement Bars (Epoxy coated)			Pound	3720

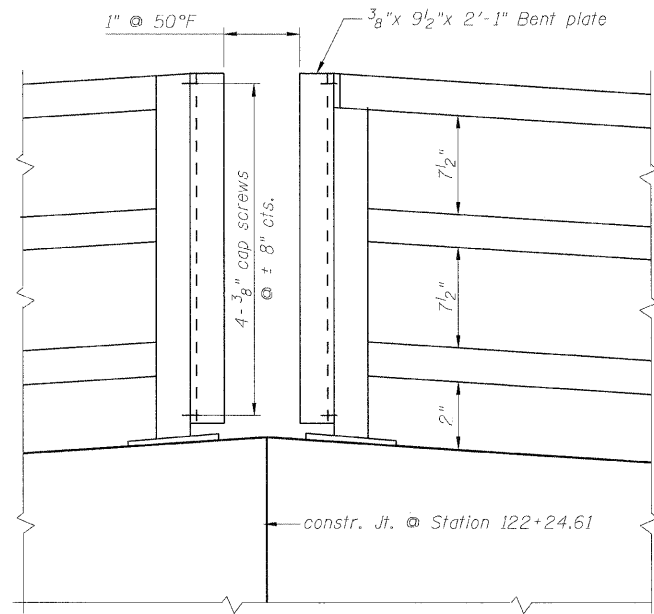
SOLDIER PILE WALL DATA

SHEET NO. 5	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	7 SHEETS	600	60-(30,31,128)-1	Madison	399
RETAINING WALL 2			CONTRACT NO. 76830		
FED. ROAD DIST. NO. _		ILLINOIS FED. AID PROJECT			

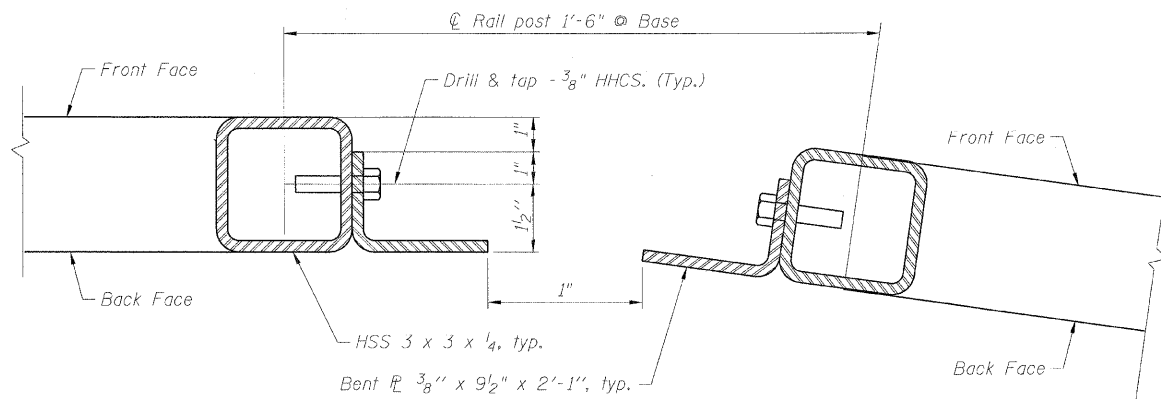
DESIGNED - KRG
CHECKED - MJK
DRAWN - GSJ
CHECKED - MJK

MID-AMERICA ENGINEERING SERVICES

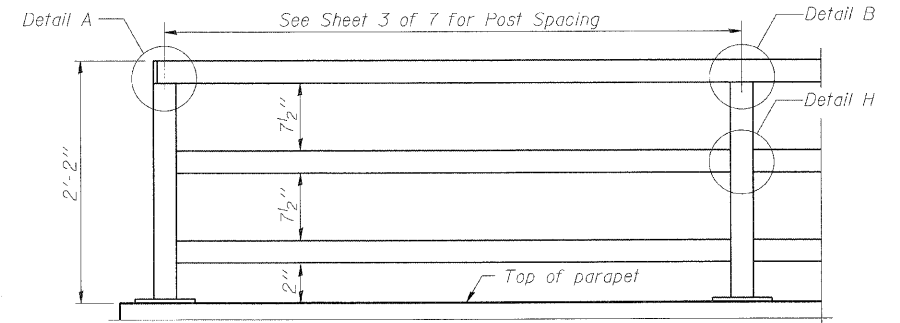
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



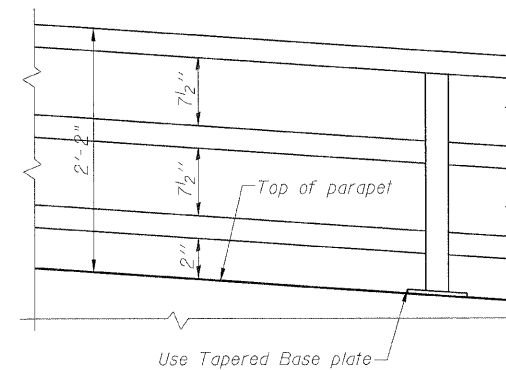
ELEVATION
Station 122+24.61



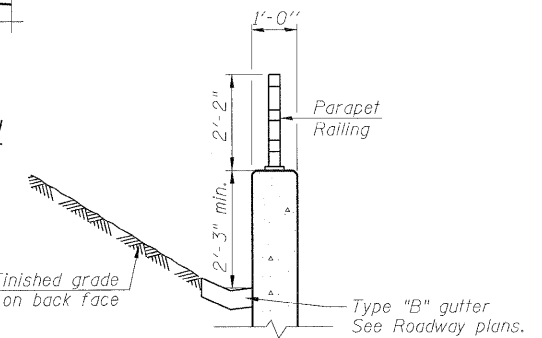
PLAN
Station 122+24.61



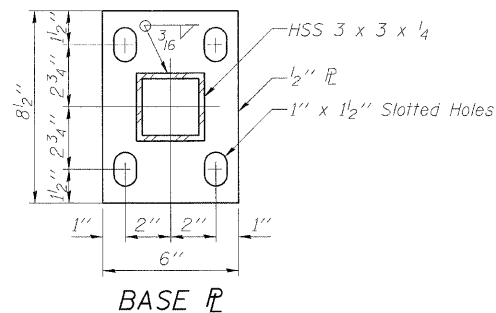
**PARAPET RAILING
ELEVATION**
(Inside Face of Three Element Rail)



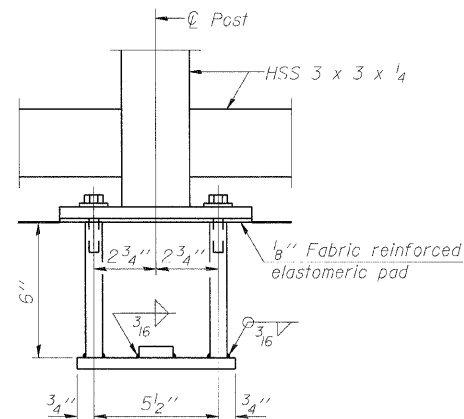
PARAPET RAILING ELEVATION
(Inclined top of wall)



SECTION THRU PARAPET

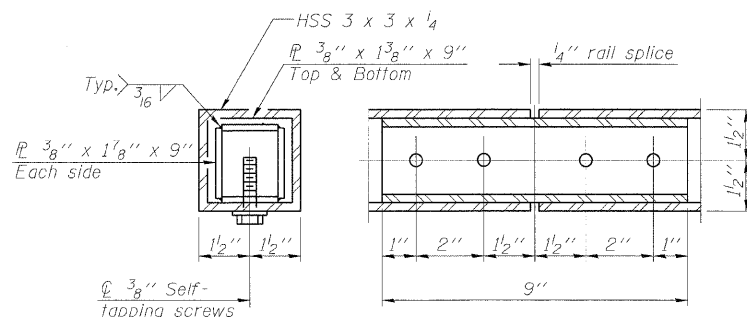
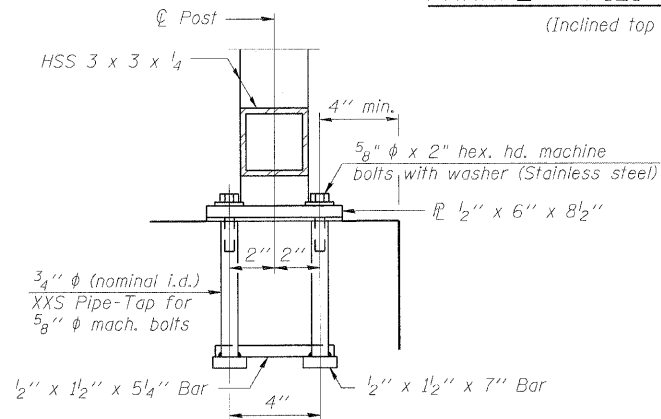


BASE PL

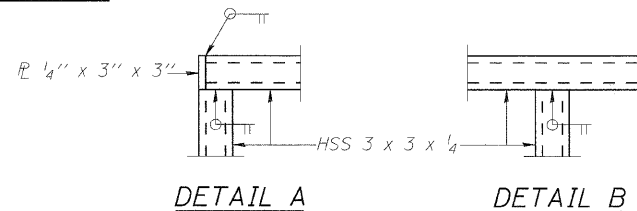


ANCHOR BOLT DETAILS

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" ϕ anchor rods according to Article 509.05 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

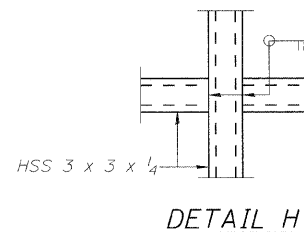


RAIL SPLICE



DETAIL A

DETAIL B



DETAIL H

NOTE: All steel railing elements shall be galvanized according to article 509.05 of the Standard Specifications.
HHCS designates Hexagonal head cap screws
HHS designates hollow structural section.

BILL OF MATERIAL

Item	Unit	Quantity
Parapet Railing	Foot	92

PARAPET RAILING

SHEET NO. 6	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7 SHEETS	600	60-(30,31,128)-1	Madison	399	271
RETAINING WALL 2			CONTRACT NO. 76830		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

DESIGNED - KRG
CHECKED - MJK
DRAWN - GSJ
CHECKED - MJK

MID-AMERICA ENGINEERING SERVICES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



Illinois Department of Transportation
Division of Highways
State Department of Transportation

SOIL BORING LOG

Page 1 of 1

ROUTE FAP 600 DESCRIPTION Retaining Wall South of Clinton Street (Sta. 121444 to 122125) LOGGED BY S. Wiszkon
DATE 11/19/08
SECTION 60-(30,31,128)-1 LOCATION SEC. 34, TWP. 3N, RNG. 6W, 3 PM

COUNTY Madison / St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140R Automatic

STRUCT. NO.	STATION	BORING NO.	STATION	OFFSET	DEPTHS			SPT	U.C.S.	M.O.I.S.T.	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After	Hrs.	
					(ft)	(ft)	(ft)											
N/A	N/A	RW 2	122+25	50.00 ft LT														
				473.5														
Brown Silt LOAM												469.5						
Brown Silty Clay LOAM												467.8						
Brown/Gray Silty CLAY												462.0						
Mottled Silty Clay LOAM												459.6						
Sand Lens																		
Gray SILT A-4(8) See Classification @ 20 ft																		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
State Department of Transportation

SOIL BORING LOG

Page 1 of 1

ROUTE FAP 600 DESCRIPTION Retaining Wall South of Clinton Street LOGGED BY S. Wiszkon
DATE 9/10/08
SECTION 60-(30,31,128)-1 LOCATION SEC. 34, TWP. 3N, RNG. 6W, 3 PM

COUNTY Madison / St. Clair DRILLING METHOD Hand Auger HAMMER TYPE

STRUCT. NO.	STATION	BORING NO.	STATION	OFFSET	DEPTHS			SPT	U.C.S.	M.O.I.S.T.	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After	Hrs.
					(ft)	(ft)	(ft)										
N/A	N/A	RW 3	122+20	45.00 ft LT													
				472.7													
Brown Silt LOAM With Rock												466.7					
Brown Silty Clay LOAM																	
Gray Silty CLAY																	
Mottled Silty Clay LOAM																	
END OF HAND AUGER																	
Pocket Penetrometer used for Qu																	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
State Department of Transportation

SOIL BORING LOG

Page 1 of 1

ROUTE FAP 600 DESCRIPTION Retaining Wall South of Clinton Street LOGGED BY S. Wiszkon
DATE 9/10/08
SECTION 60-(30,31,128)-1 LOCATION SEC. 34, TWP. 3N, RNG. 6W, 3 PM

COUNTY Madison / St. Clair DRILLING METHOD Hand Auger HAMMER TYPE

STRUCT. NO.	STATION	BORING NO.	STATION	OFFSET	DEPTHS			SPT	U.C.S.	M.O.I.S.T.	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After	Hrs.
					(ft)	(ft)	(ft)										
N/A	N/A	RW 2	121+50	40.00 ft LT													
				478.5													
Brown Silty Clay LOAM A-4(8) See Classification @ 1 ft												462.5					
Brown/Gray Silty LOAM A-6(8) See Classification @ 8 ft												461.5					
Gray/Brown Mottled SILT A-4(8) See Classification @ 12 ft																	
END OF HAND AUGER																	
Pocket Penetrometer used for Qu																	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

DESIGNED - KRG
CHECKED - MJK
DRAWN - GSJ
CHECKED - MJK

BORING LOGS

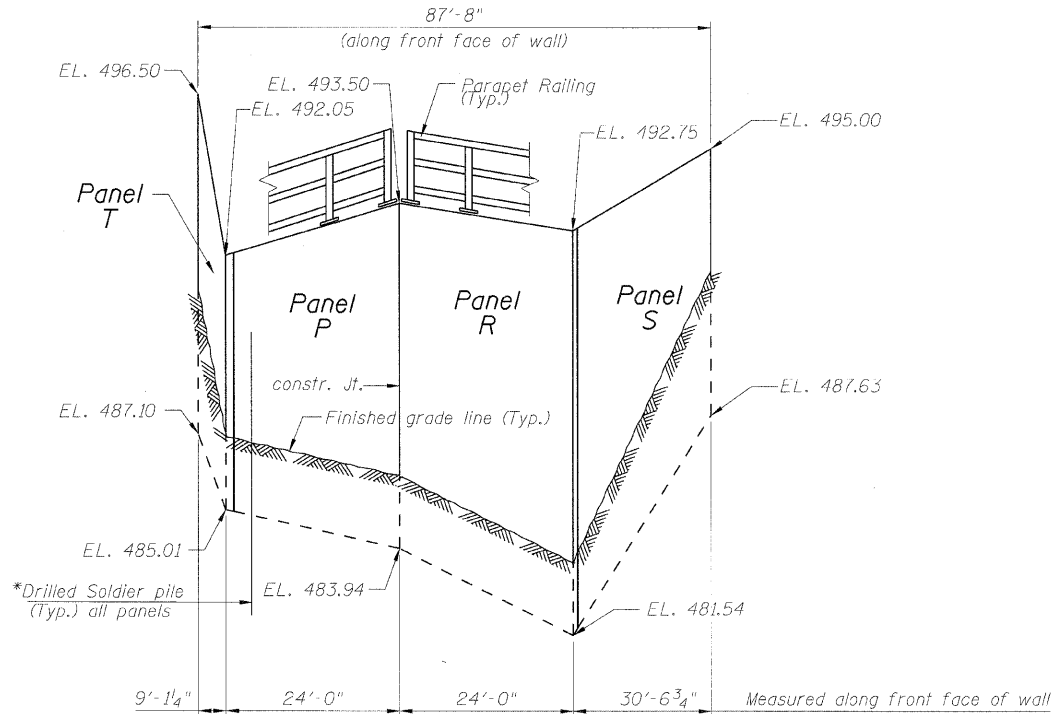
SHEET NO. 7 7 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	600	60-(30,31,128)-1	Madison	399	272
	RETAINING WALL 2			CONTRACT NO. 76830	
	FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		

MID-AMERICA ENGINEERING SERVICES

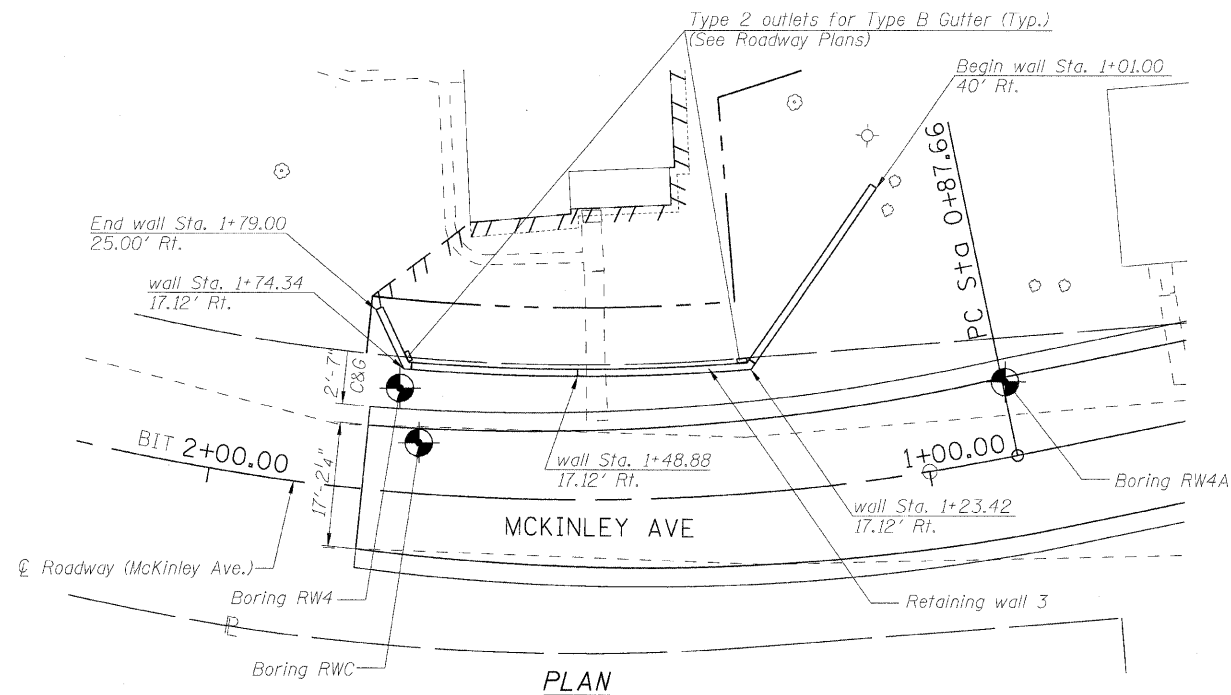
B.M. - # 114 Chiseled \square on center of N. Headwall for concrete box culvert, located on W. side of IL Rte. 159 in "Buff Truck outfitters" parking lot across from historical landmark "Catsup Bottle" Elev. 475.811

Existing Structure: None

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ELEVATION



PLAN

LEGEND

TTTTTTTTTTTTTTTTTTTT	Temporary Easement
////////////////////	Permanent Easement
-----	Proposed ROW
-----	Existing ROW

* See sheets 3, 4 & 6 of 8 for soldier pile locations & tip elevations.

PROP. CURVE MCKINLEY AVE
 PI STA. = 1+80.79
 $\Delta = 34^\circ 29' 34''$ (RT)
 $D = 19^\circ 05' 55''$
 $R = 300.00'$
 $T = 93.13'$
 $L = 180.60'$
 $E = 14.12'$
 $e = NC$
 $T.R. = N/A$
 $S.E. RUN = N/A$
 $P.C. STA = 0+87.66$
 $P.T. STA = 2+68.26$

INDEX OF SHEETS

1. General Plan
2. General Notes, Cross section & Total Bill of Material
3. Panels P & R
4. Panels S & T
5. Soldier pile wall details
6. Soldier pile wall data
7. Parapet Railing
8. Boring Logs

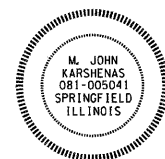
DESIGN SPECIFICATIONS
 2002 AASHTO Standard Specifications for Highway Bridges

DESIGN STRESSES

FIELD UNITS
 $f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 36,000$ psi (soldier piles)

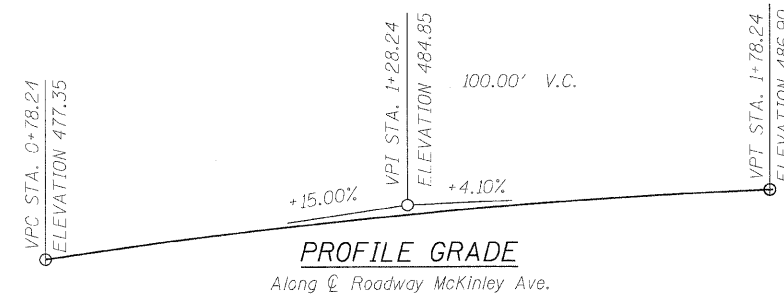
APPROVED
FOR STRUCTURAL ADEQUACY ONLY

Ralph E. Anderson (TTP)
ENGINEER OF BRIDGES AND STRUCTURES



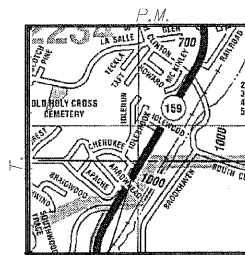
Expires: 11/30/2010

m. j. Karshenas 1-28-2010



PROFILE GRADE

Along \odot Roadway McKinley Ave.



LOCATION SKETCH

PROPOSED WALL 3 R.

GENERAL PLAN
 IL RTE. 159
 FAP ROUTE 600 SEC. 60-(30,31,128)-1
 MADISON COUNTY
 MCKINLEY AVE STA. 1+01.00 TO STA. 1+79.00

DESIGNED - KRG
CHECKED - MJK
DRAWN - GSJ
CHECKED - MJK

SHEET NO. 1	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	600	60-(30,31,128)-1	Madison	399	273
8 SHEETS	RETAINING WALL 3		CONTRACT NO. 76830		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

Rev. MID-AMERICA ENGINEERING SERVICES

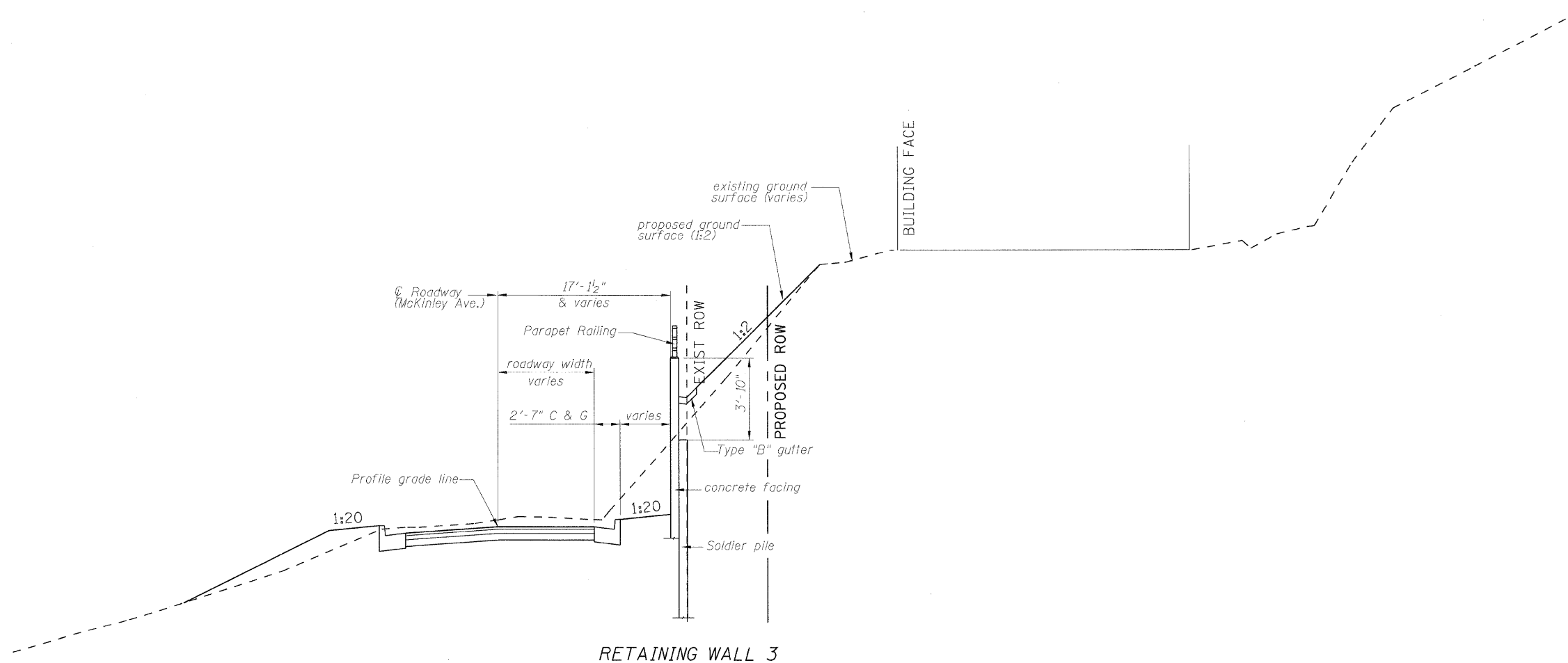
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

1. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
2. Reinforcement bars designated (E) shall be epoxy coated.
3. All exposed edges of concrete shall be bevelled $\frac{3}{4}$ ".
4. The geocomposite wall drain shall be constructed according to section 591 of the Standard Specifications. The contractor shall insure that the bottom, sides and the top edges are protected from soil entering or sealing the drain while placing the pervious fabric side of the drain towards the soil. Geocomposite wall drain shall be installed in stages as the excavation process proceeds downward. Splicing should be minimized, following proper splice practices to insure no long term soil contamination.
5. The buildings behind the retaining wall are susceptible to damage and the contractor shall not leave the excavations unsupported during construction as specified in the special provisions by using the top down placement of the lagging.

TOTAL BILL OF MATERIAL

Item	Unit	Quantity
Structure Excavation	Cu. Yd.	73
Concrete Structures	Cu. Yd.	31.4
Stud Shear connectors	Each	224
Reinforcement Bars, Epoxy Coated	Pound	4230
Parapet Railing,	Foot	86
Geocomposite Wall Drain	Sq. Yd.	25
Pipe Underdrains for Structures, 4"	Foot	89
Furnishing Soldier Piles(w section)	Foot	652
Drilling and setting Soldier piles (in soil)	Cu. Ft.	4795
Untreated Timber Lagging	Sq. Ft.	408



CROSS SECTION
(Looking upstation)

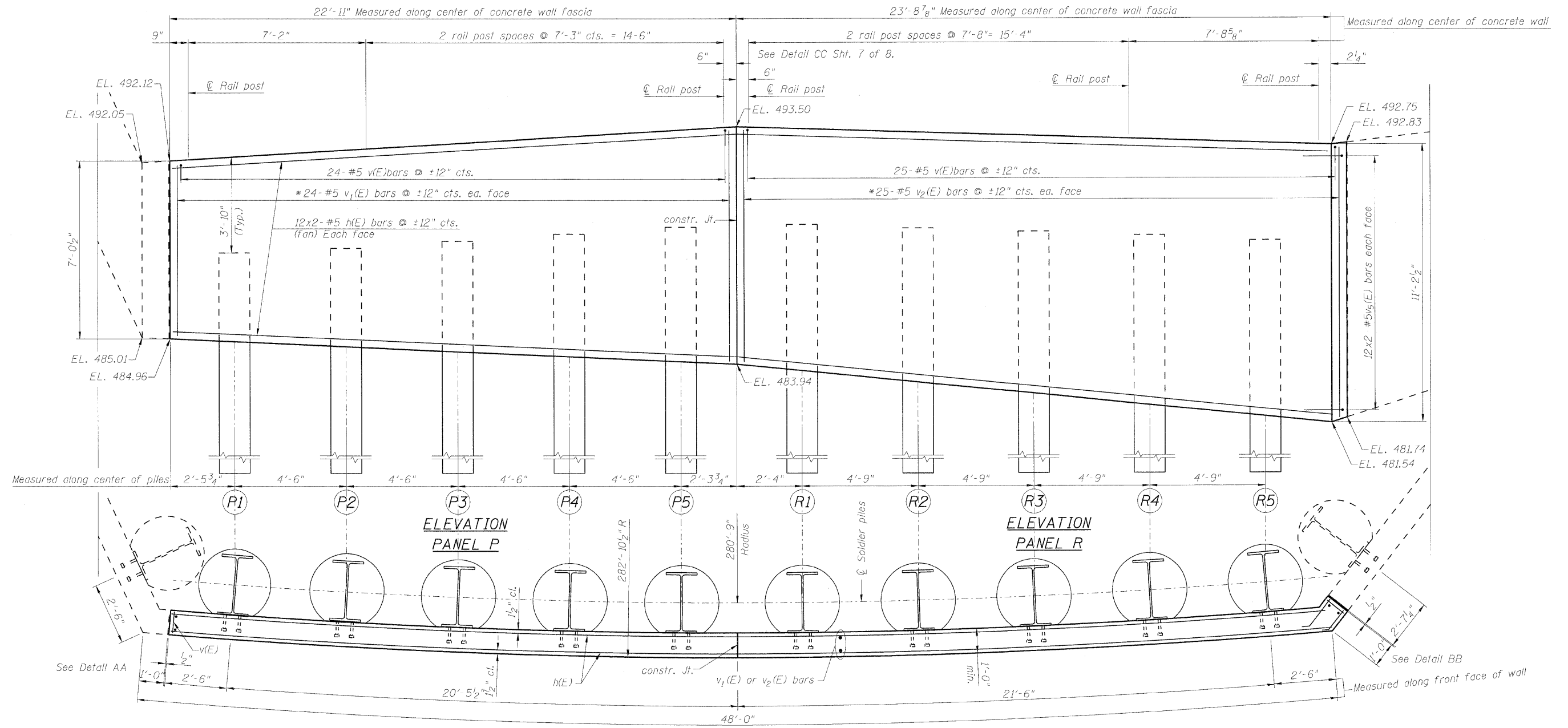
DESIGNED - KRG
CHECKED - MJK
DRAWN - GSJ
CHECKED - MJK

GENERAL NOTES, CROSS SECTION & TOTAL BILL MATERIAL

SHEET NO.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8 SHEETS	600	60-(30,31,128)-1	Madison	399	274
RETAINING WALL 3			CONTRACT NO. 76830		
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



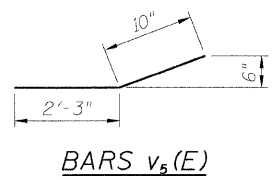
PLAN
PANEL P

PLAN
PANEL R

Note: For cross section thru panels, Soldier pile data & Bill of Material See. sht. 5 & 6 of 8. For details AA & BB see sht. 6 of 8.

Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.

* order v₁(E) or v₂(E) bars full length cut to fit as per Bar cutting diagram shown on sht. 6 of 8. Use remainder of bars on the opposite face of the wall.



BARS v₂(E)

Min. bar laps
(unless noted otherwise)
5 bar = 1'-8"

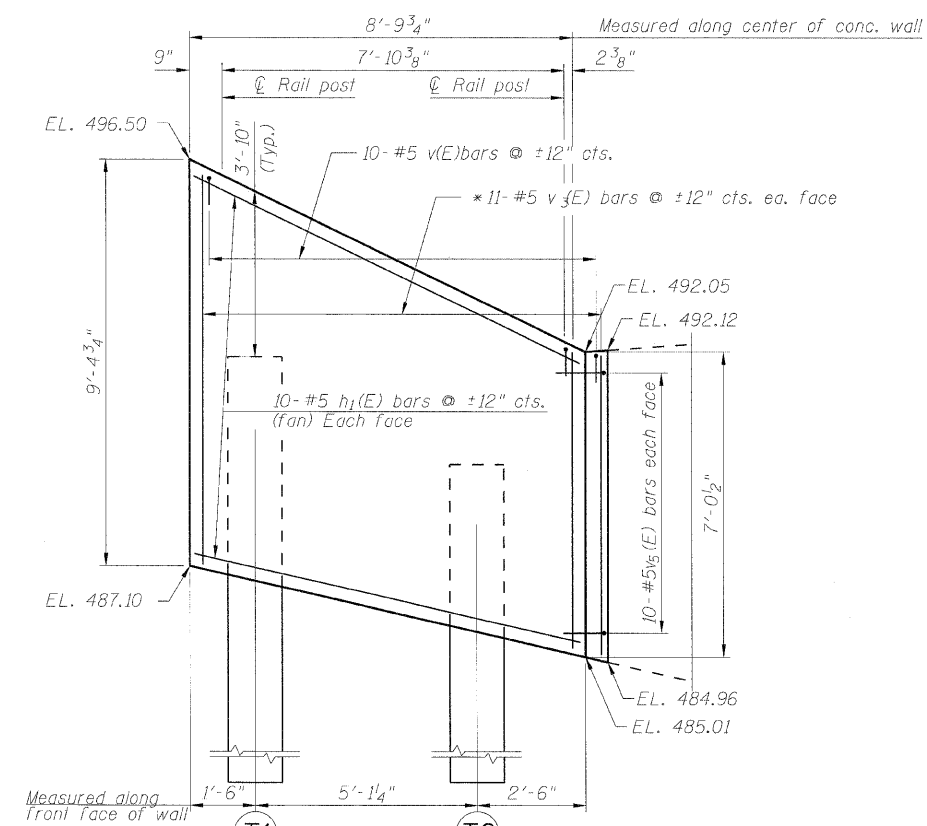
DESIGNED - KRG
CHECKED - MJK
DRAWN - GSJ
CHECKED - MJK

PANELS P & R

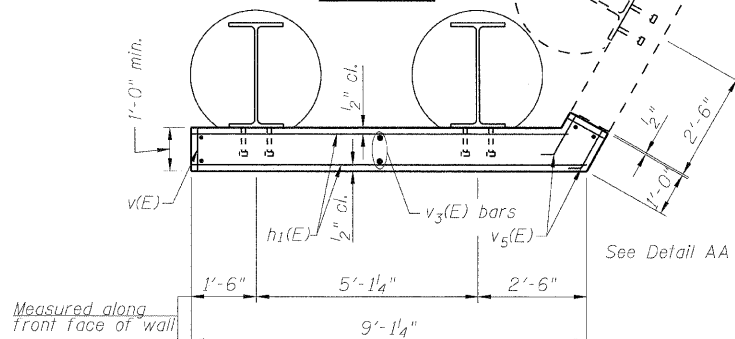
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	600	60-(30,31,128)-1	Madison	399	275
	RETAINING WALL 3		CONTRACT NO. 76830		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT			

Rev. MID-AMERICA ENGINEERING SERVICES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ELEVATION
PANEL T



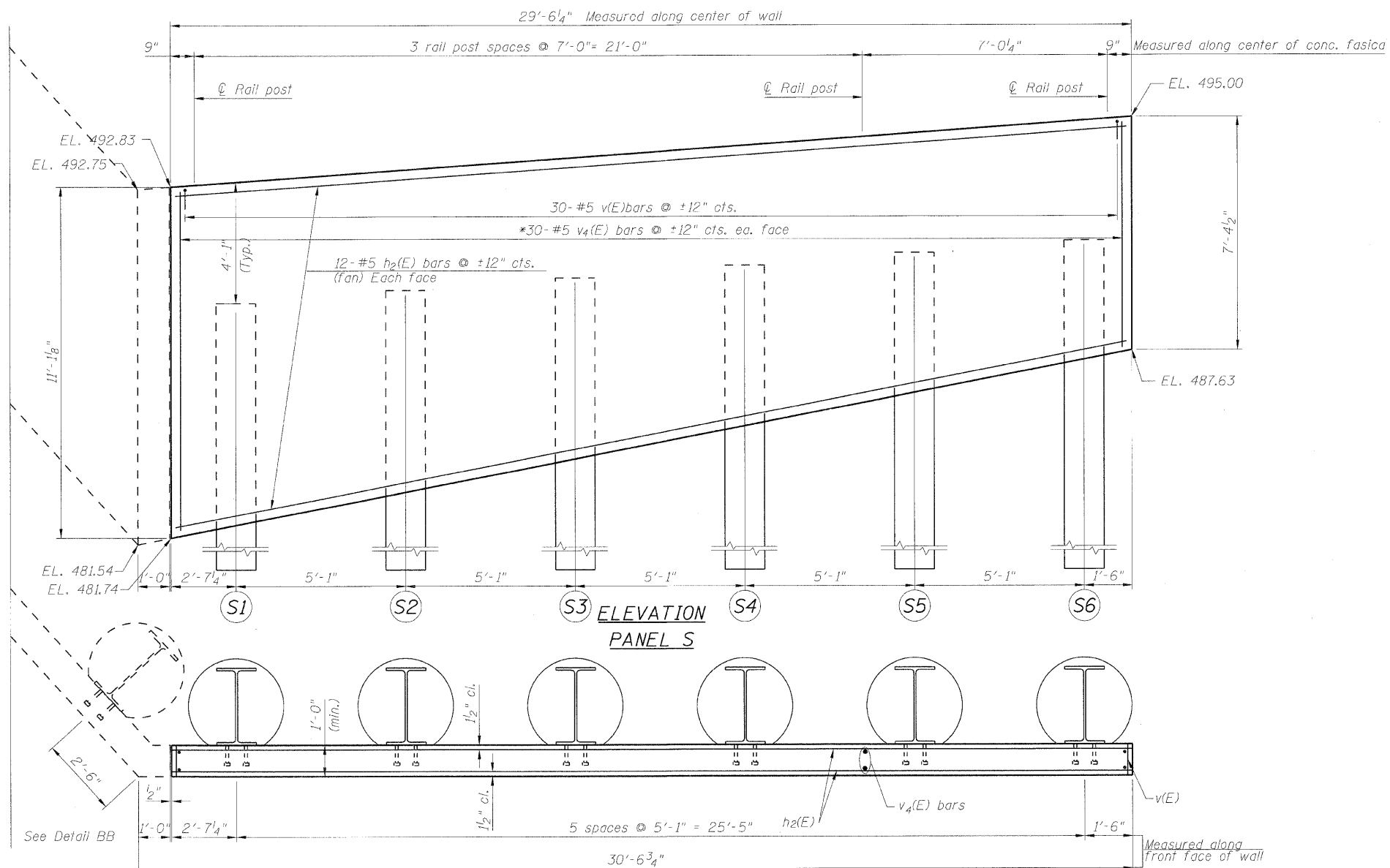
PLAN
PANEL T

Note: For cross section thru panels, Soldier pile data & Bill of Material See. sht. 5 & 6 of 8. For details AA & BB see sht. 6 of 8.

Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.

* order v3(E) or v4(E) bars full length cut to fit as per Bar cutting diagram shown on sht. 6 of 8. Use remainder of bars on the opposite face of the wall.

DESIGNED - KRG
CHECKED - MJK
DRAWN - GSJ
CHECKED - MJK



ELEVATION
PANEL S

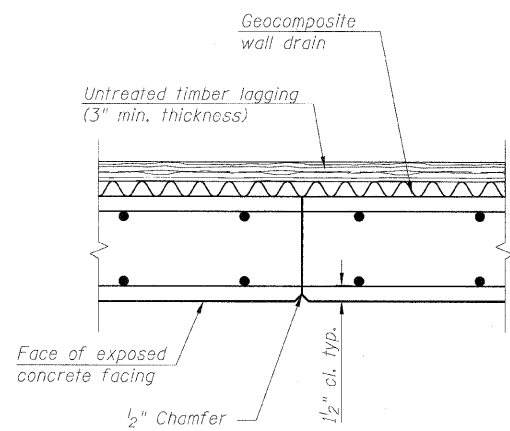
PLAN
PANEL S

PANELS S & T

SHEET NO. 4 8 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	600	60-(30,31,128)-1	Madison	399	275A
RETAINING WALL 3			CONTRACT NO. 76830		
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT					

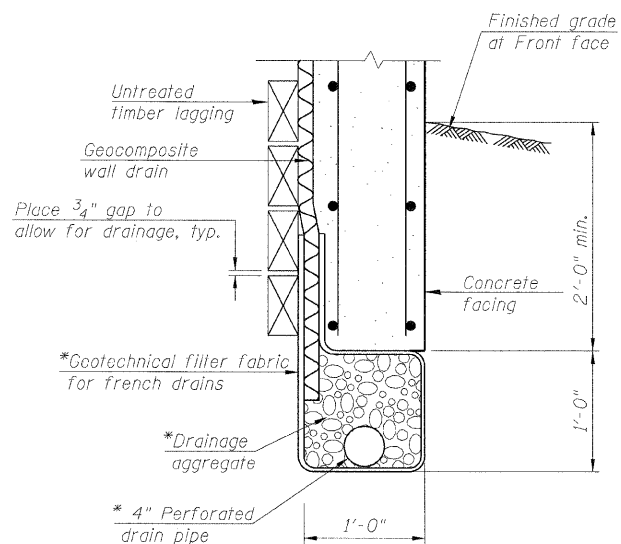
Rev. MID-AMERICA ENGINEERING SERVICES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

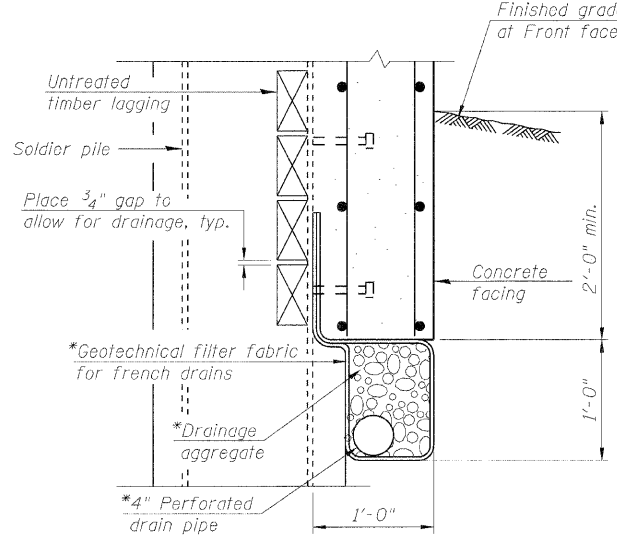


CONSTRUCTION JOINT

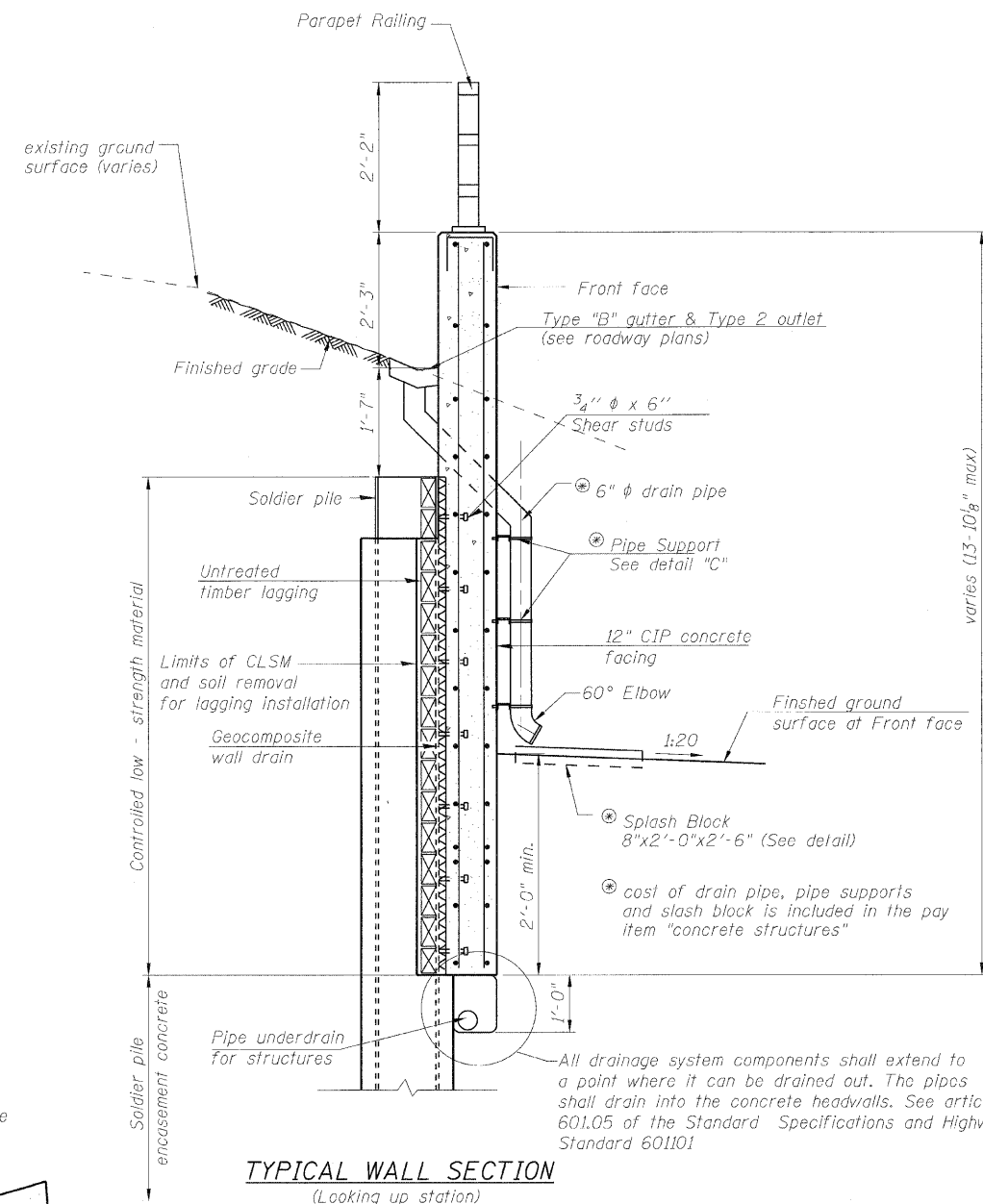
Note: The contractor is responsible for the design and performance of the lagging using no less than 3 in. nominal rough-sawn thickness and timber with a minimum allowable bending stress of 1000 psi.



**UNDER DRAIN DETAIL
BETWEEN SOLDIER PILES**

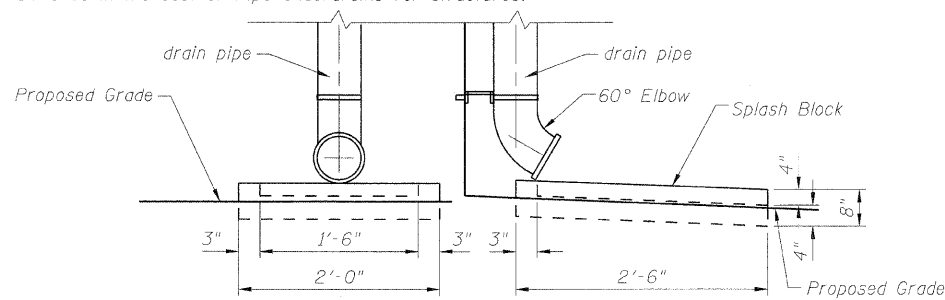


**UNDER DRAIN DETAIL
AT SOLDIER PILES**

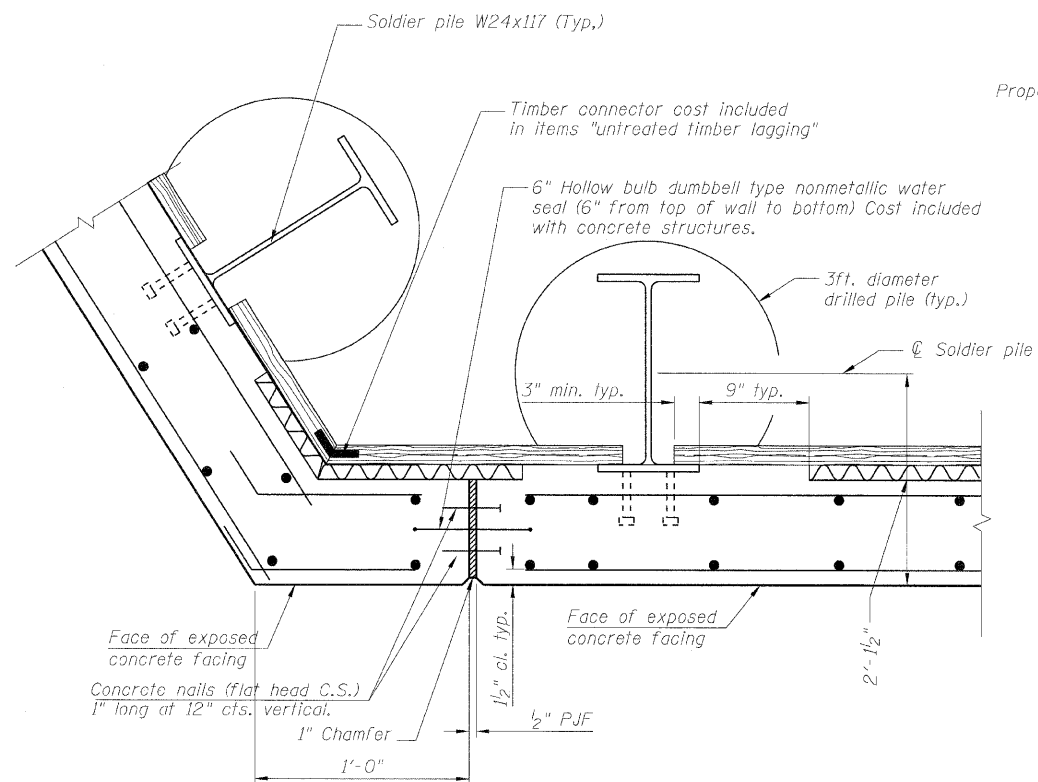


**TYPICAL WALL SECTION
(Looking up station)**

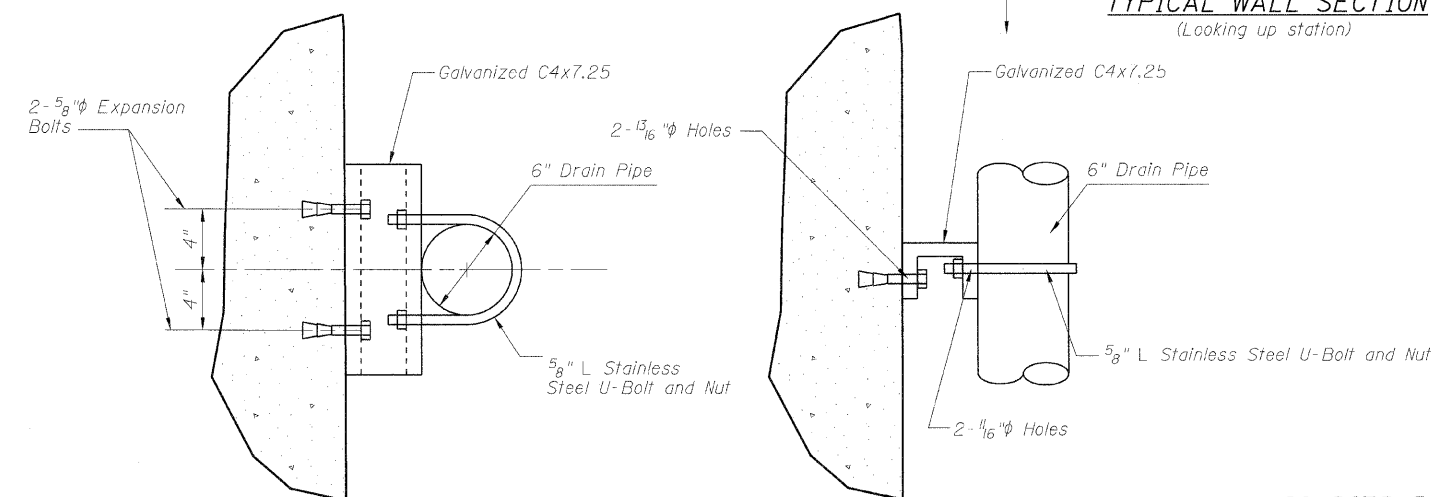
* Included in the cost of Pipe Underdrains for structures.



SLASH BLOCK DETAIL



EXPANSION JOINT



PIPE SUPPORT DETAIL "C"

SOLDIER PILE WALL DETAILS

SHEET NO.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5	600	60-(30,31,128)-1	Madison	399	276
8 SHEETS		RETAINING WALL 3		CONTRACT NO. 76830	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

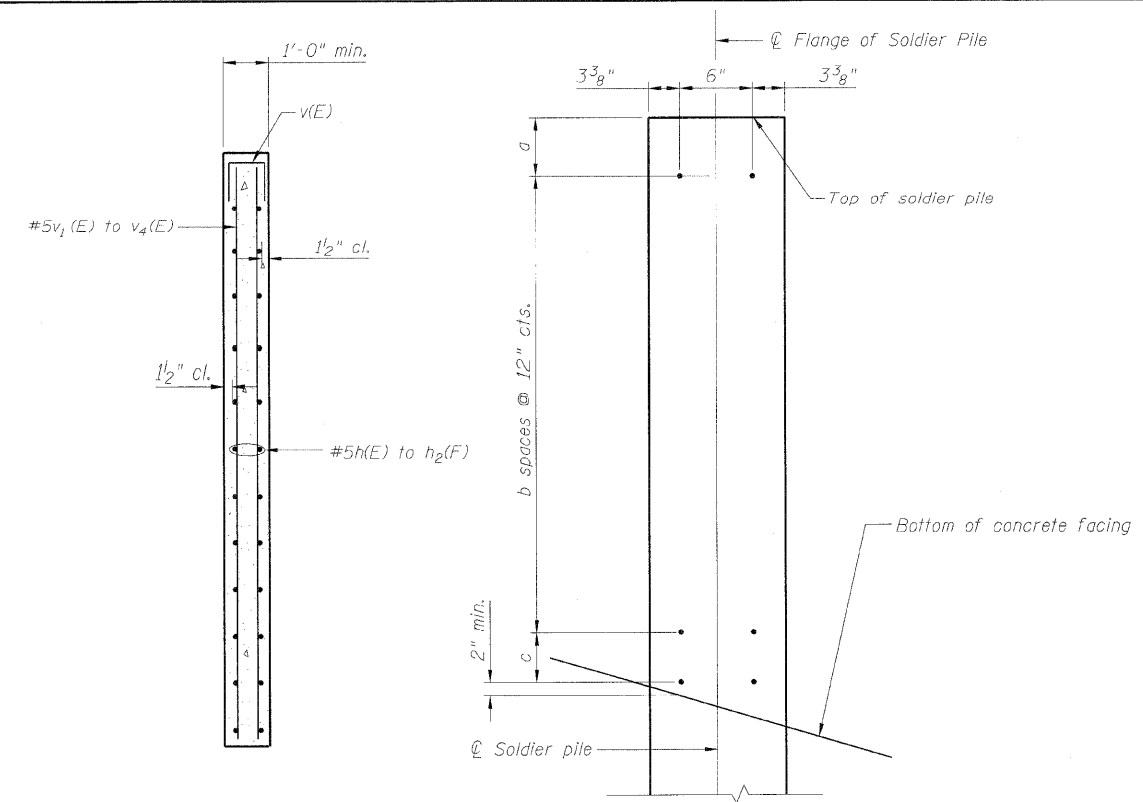
DESIGNED - KRG
CHECKED - MJK
DRAWN - GSJ
CHECKED - MJK

REV. MID-AMERICA ENGINEERING SERVICES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOLDIER PILE DATA

Panel	Soldier Pile Designations	☉ of Roadway Station	Radial offset to the center of pile	Top of soldier Pile Elevation	Bottom of soldier Pile Elevation	Top of concrete encasement	Top of CLSM	Stud Shearconnectors			
								a	b	c	No. per pile
P	P ₁ W Section	1+70.59	19.25'	488.44	452.00	484.78	487.94	3"	3	0"	8
	P ₂ W Section	1+65.78	19.25'	488.71	452.00	484.58	488.21	3"	3	8"	10
	P ₃ W Section	1+60.97	19.25'	488.98	453.00	484.38	488.48	3"	4	0"	10
	P ₄ W Section	1+56.16	19.25'	489.25	453.00	484.17	488.75	3"	4	7"	12
	P ₅ W Section	1+51.35	19.25'	489.53	453.00	483.97	489.03	3"	5	0"	12
R	R ₁ W Section	1+46.38	19.25'	489.59	453.00	483.55	489.09	3"	5	7"	14
	R ₂ W Section	1+41.30	19.25'	489.44	453.00	483.07	488.94	3"	5	10"	14
	R ₃ W Section	1+36.22	19.25'	489.30	453.00	482.59	488.80	3"	6	0"	14
	R ₄ W Section	1+31.15	19.25'	489.15	453.00	482.12	488.65	3"	6	6"	16
	R ₅ W Section	1+26.07	19.25'	489.00	453.00	481.64	488.50	3"	6	10"	16
S	S ₁ W Section	-	-	489.14	453.00	481.86	488.67	3"	6	8"	16
	S ₂ W Section	-	-	489.52	453.00	482.89	489.02	3"	6	0"	14
	S ₃ W Section	-	-	489.90	454.00	483.92	489.40	3"	5	4"	14
	S ₄ W Section	-	-	490.29	454.00	484.95	489.79	3"	4	9"	12
	S ₅ W Section	-	-	490.67	455.00	485.99	490.17	3"	4	0"	10
	S ₆ W Section	-	-	491.04	455.00	487.02	490.55	3"	3	5"	10
T	T ₁ W Section	-	-	491.94	456.00	486.41	491.44	3"	4	11"	12
	T ₂ W Section	-	-	489.44	454.00	485.24	488.94	3"	3	7"	10



SECTION THRU PANEL

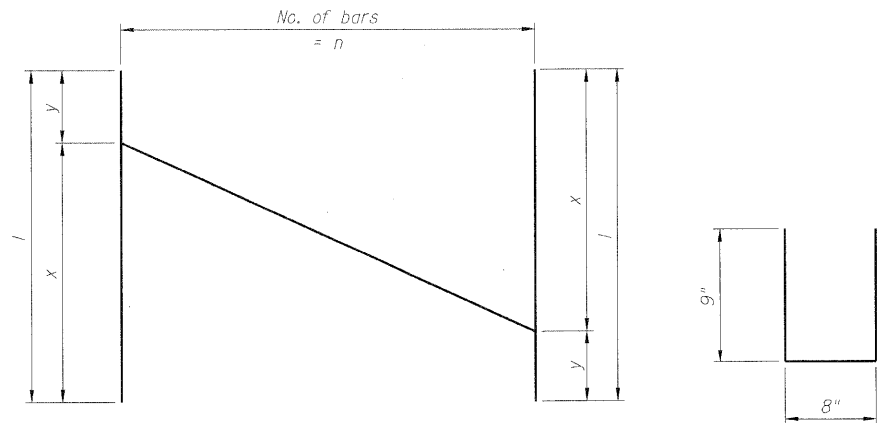
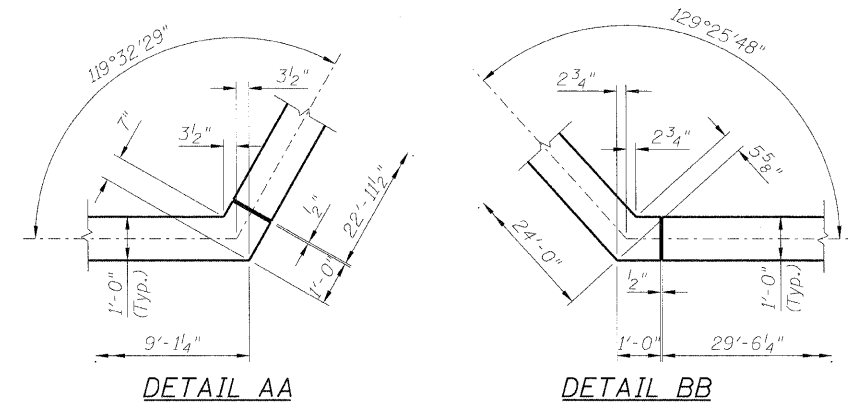
SHEAR STUD SPACING DETAIL

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	48	#5	25'-0"	—
h ₁ (E)	20	#5	8'-10"	—
h ₂ (E)	24	#5	29'-2"	—
v(E)	89	#5	2'-2"	┌
v ₁ (E)	28	#5	15'-10"	—
v ₂ (E)	25	#5	20'-0"	—
v ₃ (E)	11	#5	15'-8"	—
v ₄ (E)	30	#5	17'-10"	—
v ₅ (E)	44	#5	3'-1"	└
Concrete Structures			Cu. Yd.	31.4
Reinforcement Bars (Epoxy coated)			Pound	4230

BAR DIMENSIONS

Bar	n	y	x	l
v ₁ (E)	24	6'-8"	9'-2"	15'-10"
v ₂ (E)	25	9'-2"	10'-10"	20'-0"
v ₃ (E)	11	6'-8"	9'-0"	15'-8"
v ₄ (E)	30	7'-0"	10'-10"	17'-10"



BAR CUTTING DIAGRAM
(v₁(E) to v₄(E) bars)

BARS v(E)

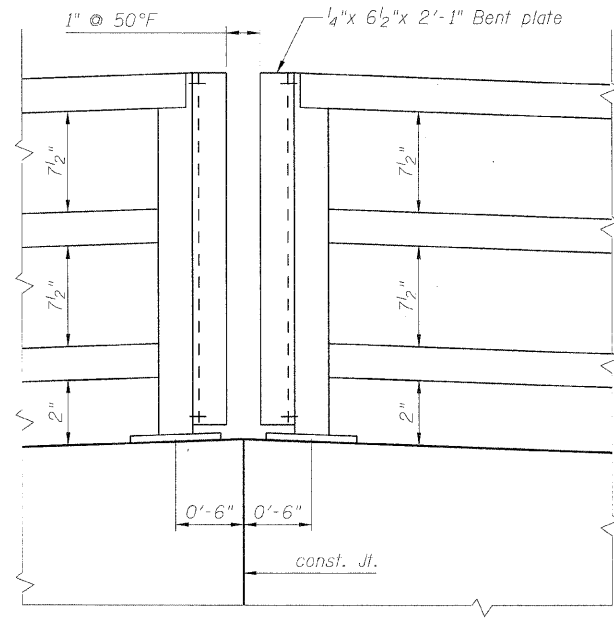
SOLDIER PILE WALL DATA

SHEET NO. 6	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	600	60-(30,31,128)-1	RETAINING WALL 3	Madison	399
8 SHEETS	FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT CONTRACT NO. 76830		

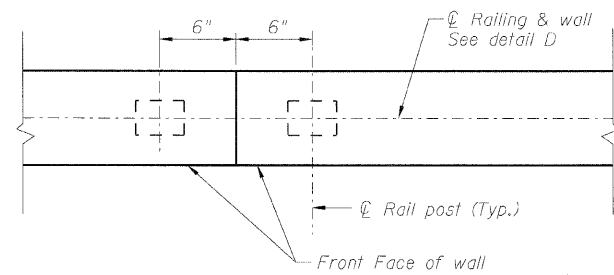
DESIGNED - KRG
CHECKED - MJK
DRAWN - GSJ
CHECKED - MJK

Rev. MID-AMERICA ENGINEERING SERVICES

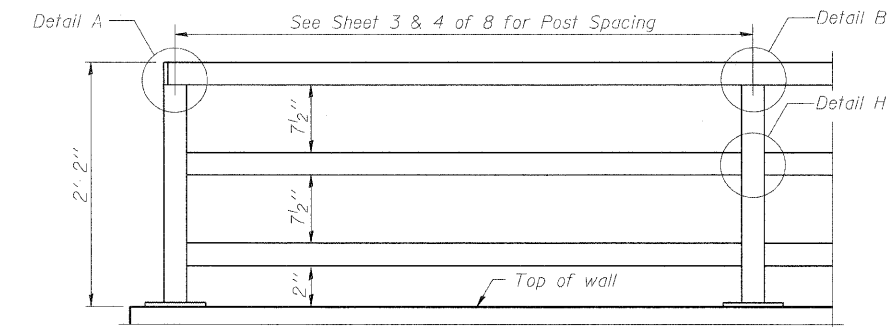
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ELEVATION

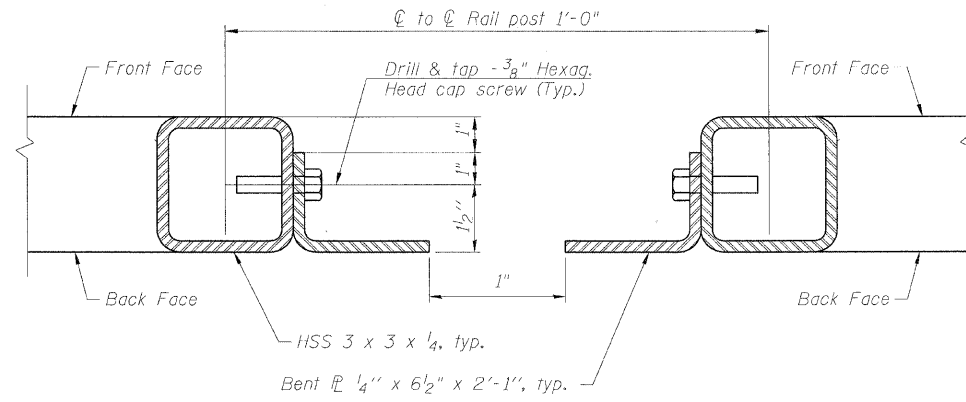


PLAN
DETAIL CC

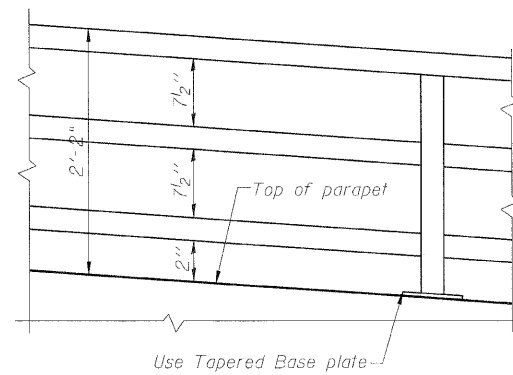


PARAPET RAILING
ELEVATION
(Inside Face of Three Element Rail)

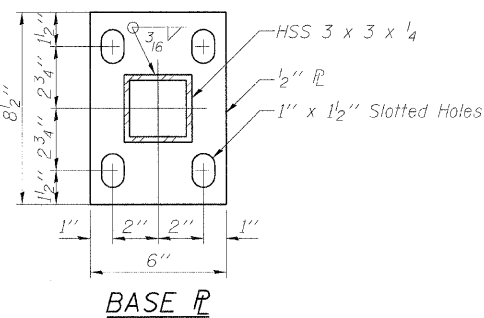
DESIGNED - KRG
CHECKED - MJK
DRAWN - GSJ
CHECKED - MJK



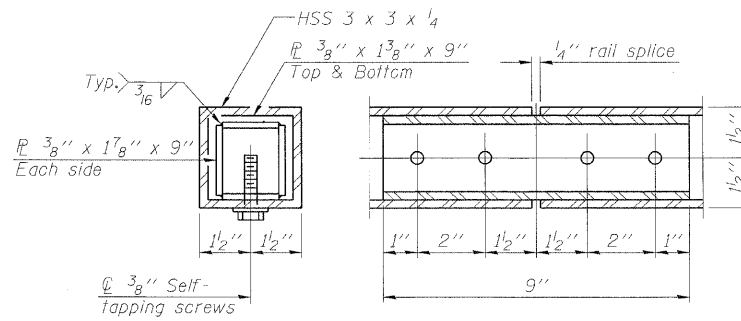
DETAIL D



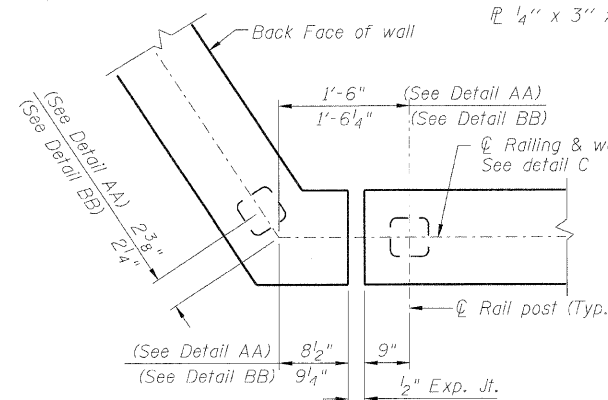
PARAPET RAILING ELEVATION
(Inclined top of wall)



BASE PLATE

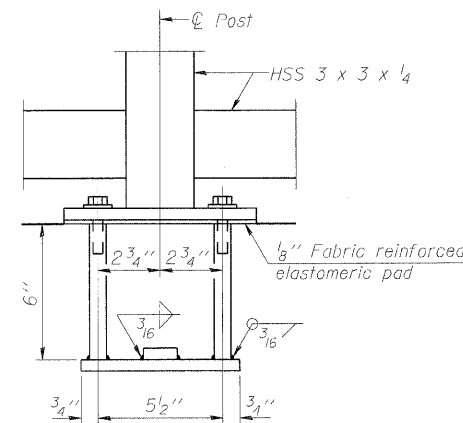


RAIL SPLICE



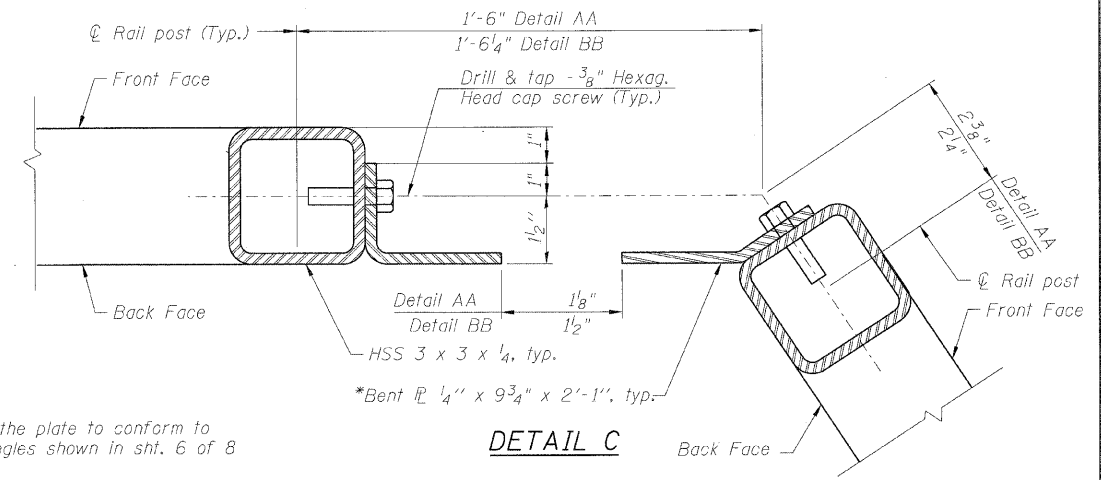
PLAN
Wall corner configuration Details AA & BB

Note: Fabricate Railing on top of wall panels P&R to 282'-4 1/2" Radius

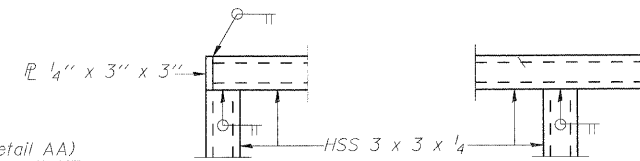


ANCHOR BOLT DETAILS

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" diameter anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

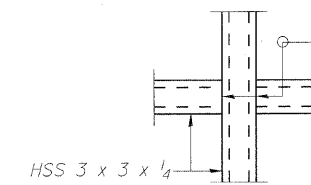


DETAIL C

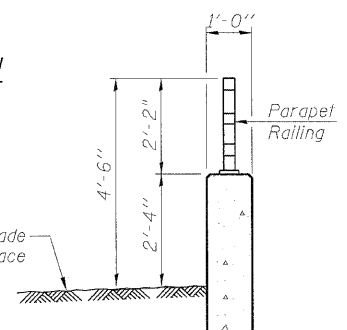


DETAIL A

DETAIL B



DETAIL H



SECTION THRU PARAPET

BILL OF MATERIAL

Item	Unit	Quantity
Parapet Railing	Foot	86

NOTE: All steel railing elements shall be galvanized according to article 509.05 of the Standard Specifications.

HHCS designates Hexagonal head cap screws
HHS designates hollow structural section.

PARAPET RAILING

SHEET NO. 7	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8 SHEETS	600	60-(30,31,128)-1	Madison	399	278
RETAINING WALL 3			CONTRACT NO. 76830		
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					

MID-AMERICA ENGINEERING SERVICES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SOIL BORING LOG

Page 1 of 1

ROUTE FAP 600 DESCRIPTION Retaining Wall on McKinley Street (Sta. 123+50 to 124+46) LOGGED BY VPG
Date 11/18/08

SECTION 60-(30,31,128)-1 LOCATION SEC. 34, TWP. 3N, RNG. 8W, 3 PM

COUNTY Madison / St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. Station	DEPTHS				SOIL	SOIL			
	(ft)	(6")	(tsf)	(%)		(ft)	(6")	(tsf)	(%)
Brown Silty Clay LOAM A-6(8) See Classification @ 5 ft					Surface Water Elev. _____ ft				
					Stream Bed Elev. _____ ft				
					Groundwater Elev.: _____ ft				
					First Encounter _____ ft				
					Upon Completion _____ ft				
					After _____ Hrs.				
Brown SILT A-4(8) See Classification @ 20 ft <i>(continued)</i>									
Greenish/Grayish Silty Clay LOAM A-6(10) See Classification @ 27 ft									
Brown SILT A-4(8) See Classification @ 12 ft									
Brown SILT A-4(8) See Classification @ 20 ft									

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)



SOIL BORING LOG

Page 1 of 1

ROUTE FAP 600 DESCRIPTION Retaining Wall on McKinley Street LOGGED BY S. Wiszkon
Date 9/8/08

SECTION 60-(30,31,128)-1 LOCATION SEC. 34, TWP. 3N, RNG. 8W, 3 PM

COUNTY Madison / St. Clair DRILLING METHOD Hand Auger HAMMER TYPE _____

STRUCT. NO. Station	DEPTHS				SOIL	SOIL			
	(ft)	(6")	(tsf)	(%)		(ft)	(6")	(tsf)	(%)
Dark Brown Silty LOAM A-6(10) See Classification @ 0 ft					Surface Water Elev. _____ ft				
					Stream Bed Elev. _____ ft				
					Groundwater Elev.: _____ ft				
					First Encounter _____ ft				
					Upon Completion _____ ft				
					After _____ Hrs.				
Brown Silty Clay LOAM A-6(10) See Classification @ 3 ft									
Brown SILT A-4(8) See Classification @ 9 ft									
Brown SILT A-4(8) See Classification @ 12 ft									
END OF HAND AUGER Pocket Penetrometer used for Qu									

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)



SOIL BORING LOG

Page 1 of 1

ROUTE FAP 600 DESCRIPTION Retaining Wall on McKinley Street LOGGED BY S. Wiszkon
Date 9/8/08

SECTION 60-(30,31,128)-1 LOCATION SEC. 34, TWP. 3N, RNG. 8W, 3 PM

COUNTY Madison / St. Clair DRILLING METHOD Hand Auger HAMMER TYPE _____

STRUCT. NO. Station	DEPTHS				SOIL	SOIL			
	(ft)	(6")	(tsf)	(%)		(ft)	(6")	(tsf)	(%)
Brown Silty Clay LOAM					Surface Water Elev. _____ ft				
					Stream Bed Elev. _____ ft				
					Groundwater Elev.: _____ ft				
					First Encounter _____ ft				
					Upon Completion _____ ft				
					After _____ Hrs.				
Brown Silty CLAY									
Brown Silty Clay LOAM									
Gray/Brown Silty Clay LOAM									
END OF HAND AUGER Pocket Penetrometer used for Qu									

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

DESIGNED - <i>KRG</i>
CHECKED - <i>MJK</i>
DRAWN - <i>GSJ</i>
CHECKED - <i>MJK</i>

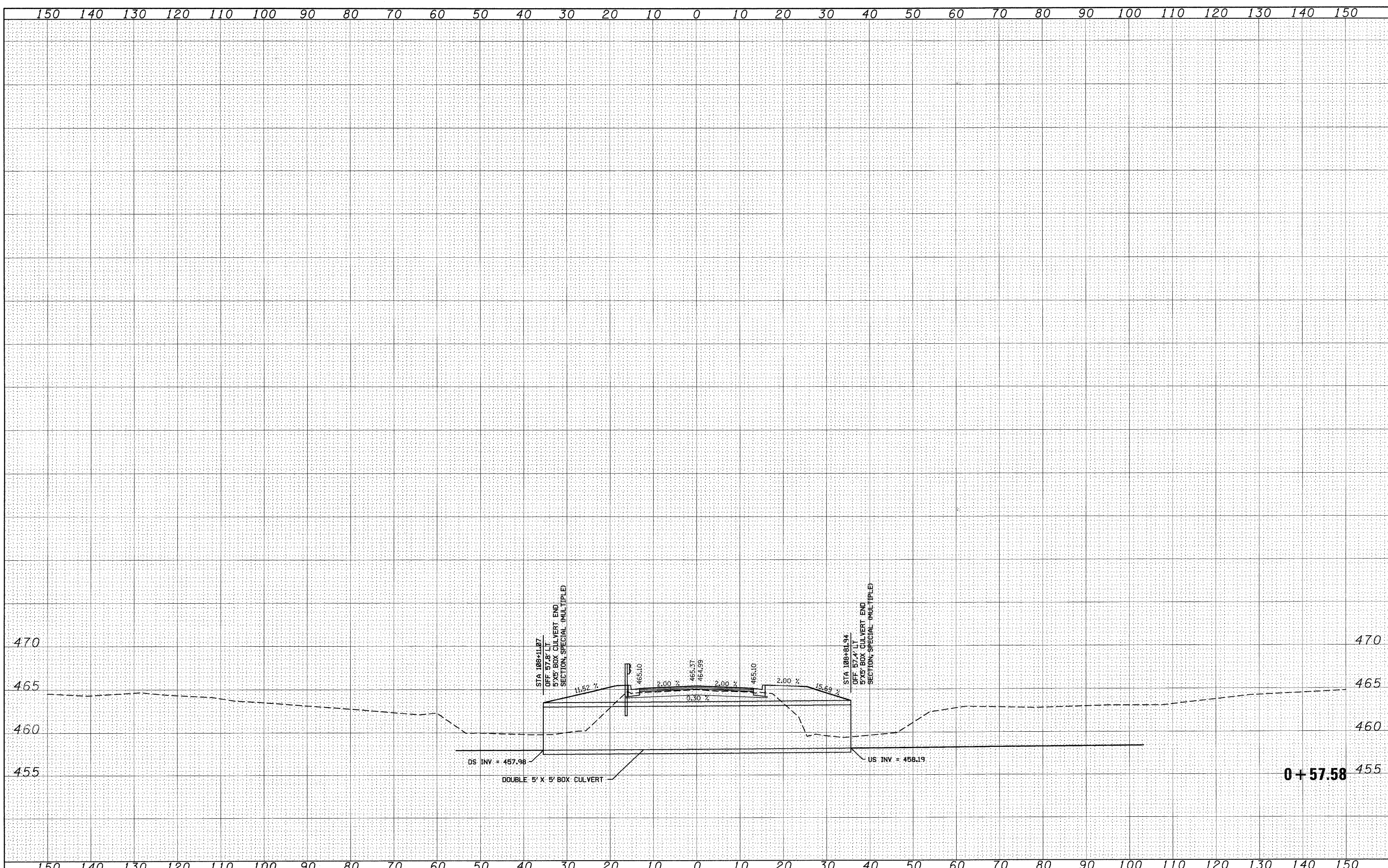
BORING LOGS

SHEET NO. 8	F.A.P. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
		600	60-(30,31,128)-1			
8 SHEETS		RETAINING WALL 3		CONTRACT NO. 76830		
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT						

RAV MID-AMERICA ENGINEERING SERVICES

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

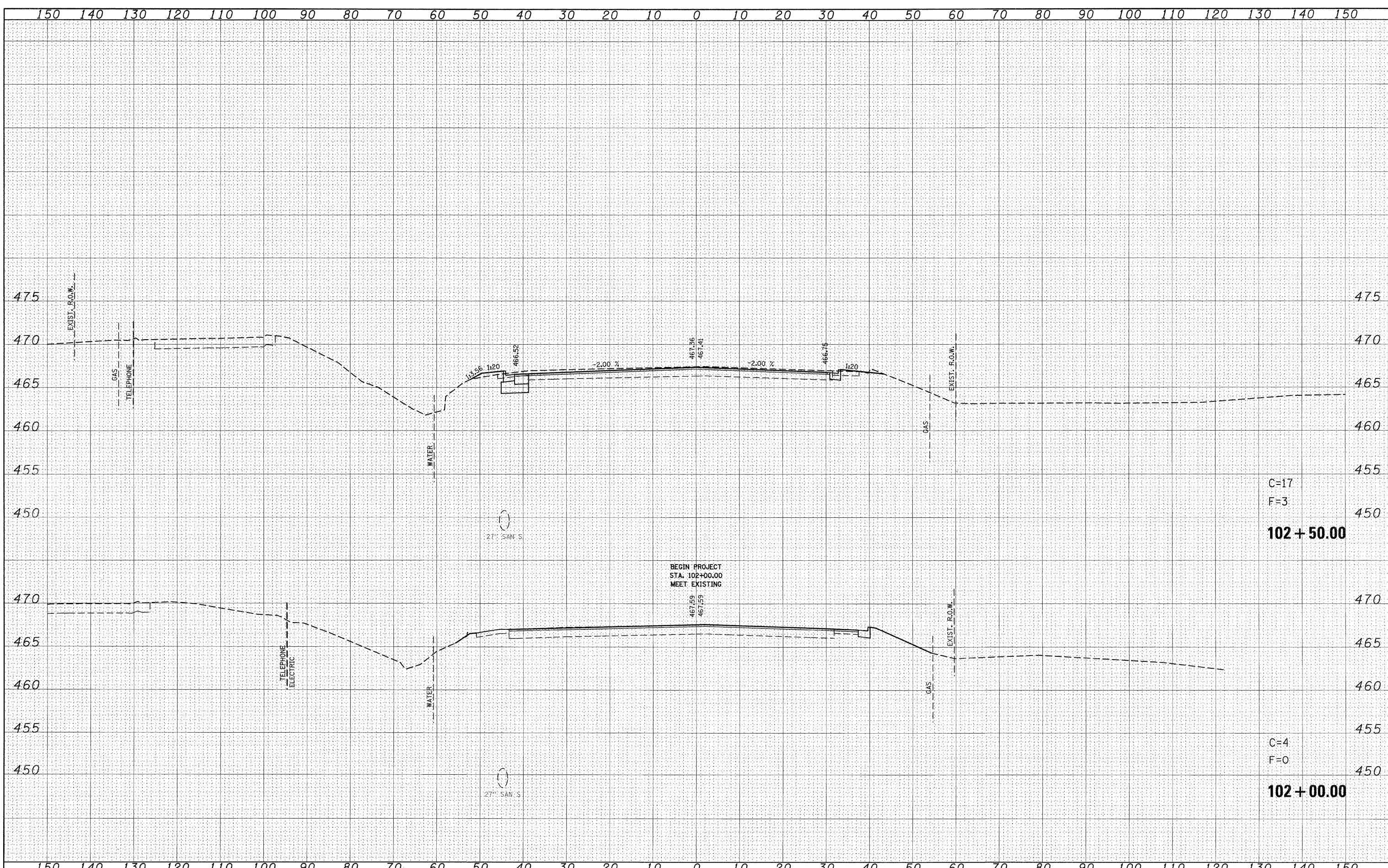
ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		



FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BOX CULVERT @ CHEROKEE DRIVE CROSS SECTION	F.A.P. RATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
P:\Projects\51350\1\CADD\GN\076830-sht-xsh-t-culvert.dgn		DRAWN -	REVISED -			600	60-(30,31,128)-1	ST. CLAIR/MADISON	399	280
PLOT SCALE = 10.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 76830				
PLOT DATE = 8/25/2009		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

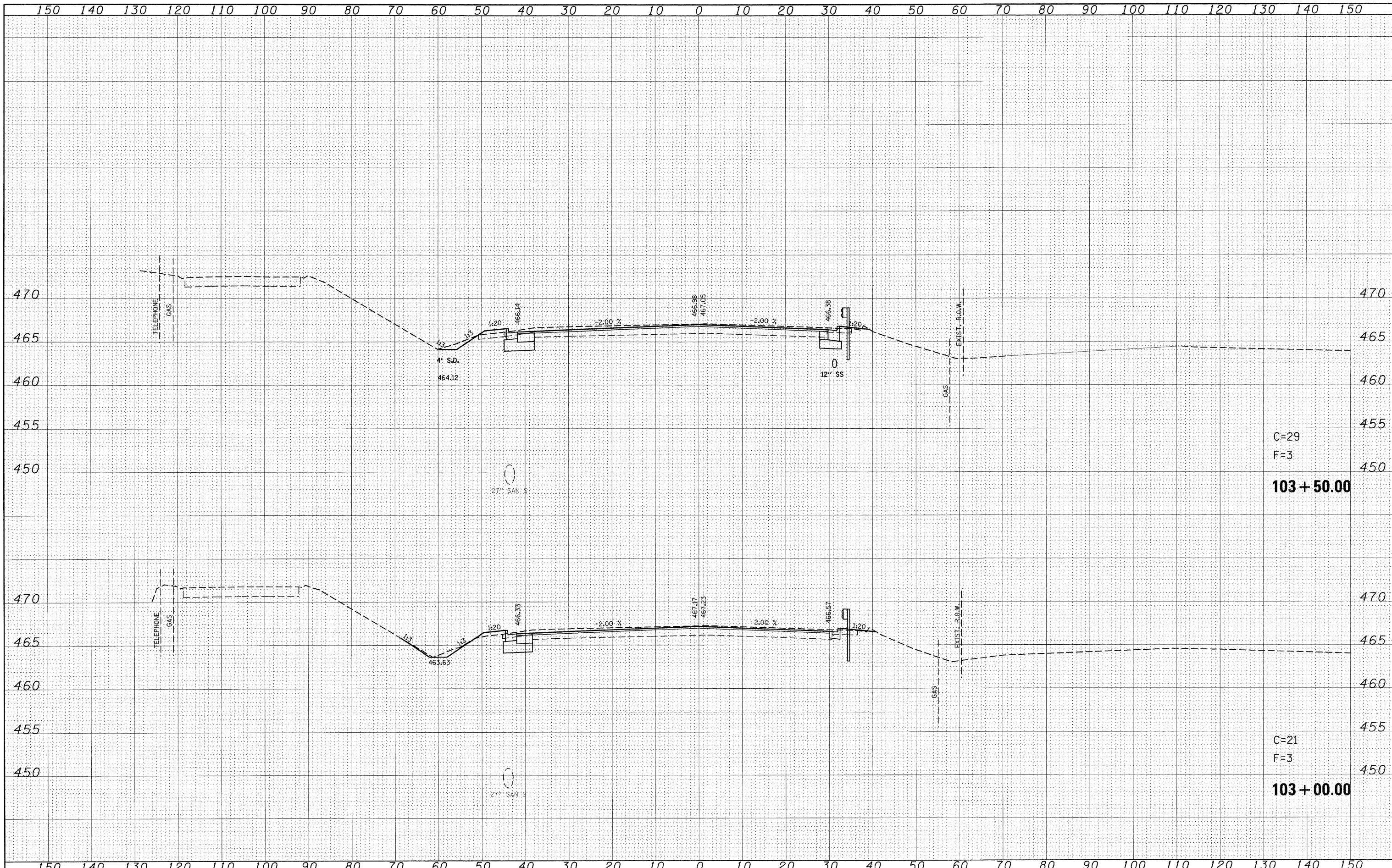
FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	EMPLATE		
	AREAS CHECKED		
NO.			

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



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

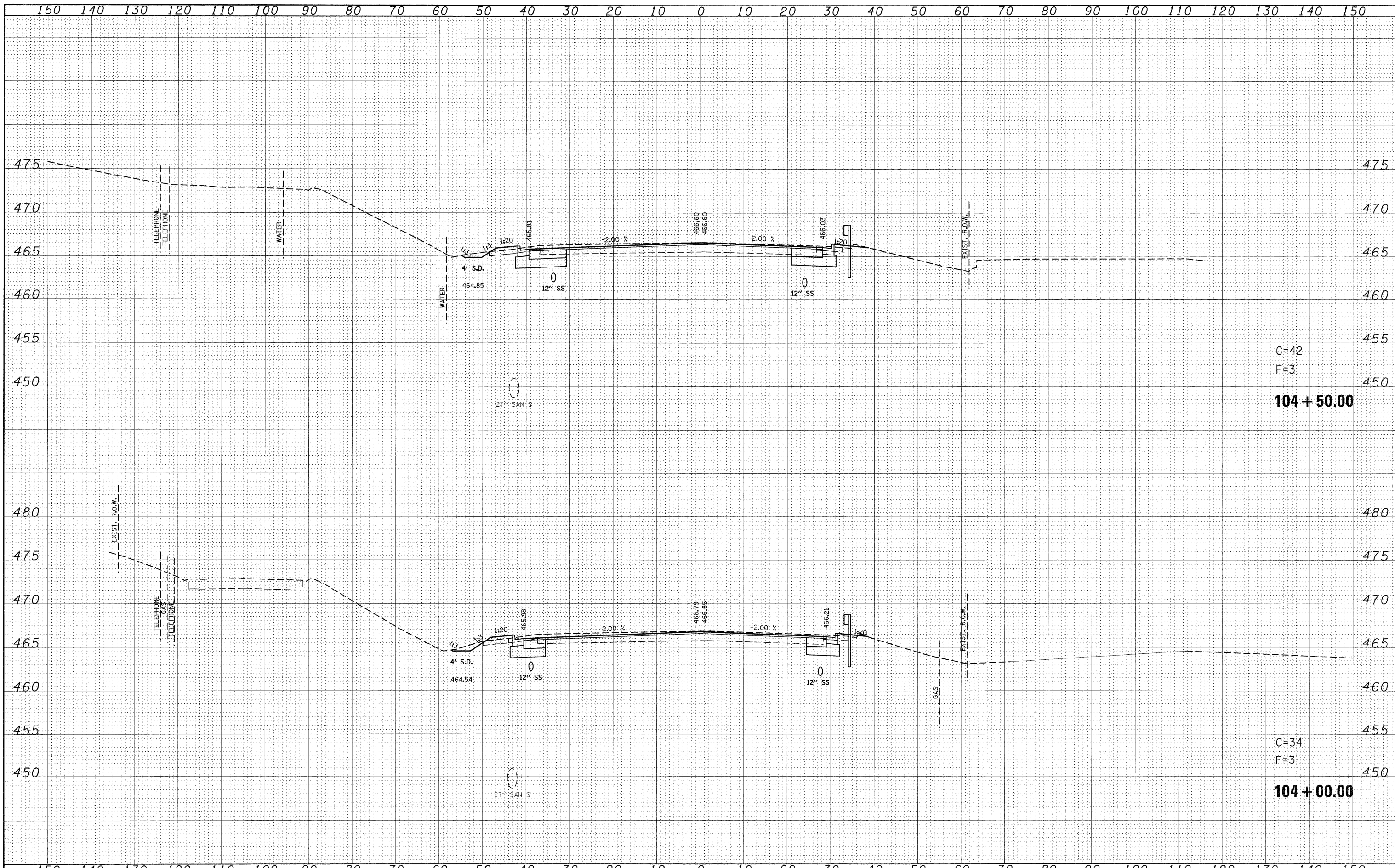
ORIGINAL	SURVEYED	DATE
NOTE BOOK	PROTECTED	BY
NO.	TEMPLATE	
	AREAS	
	CHECKED	



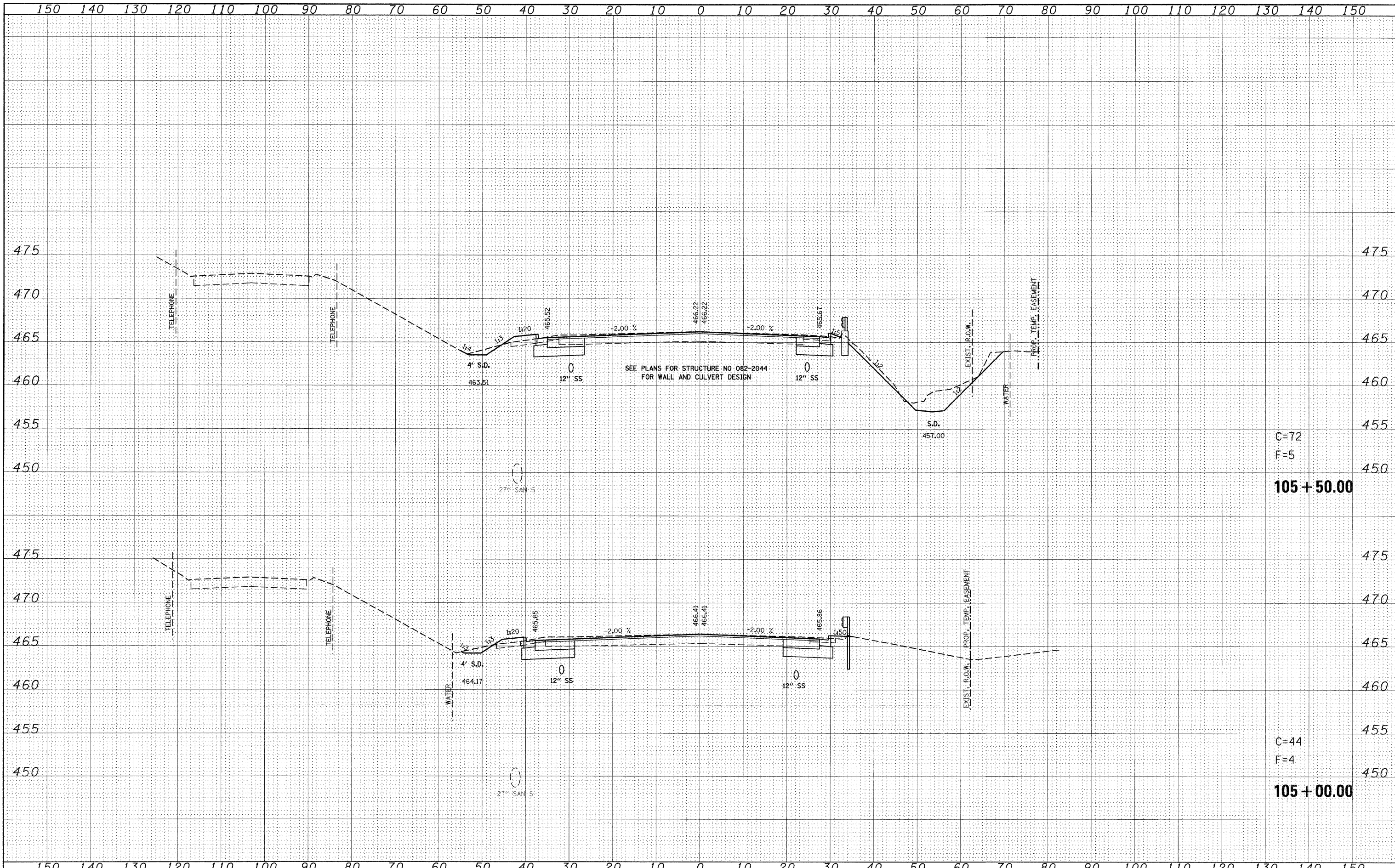
FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 159 MAINLINE CROSS SECTIONS		F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\projects\513581\cadd\dgn\d876630-sht-xssht-1159.dgn	PLOT SCALE = 10.0000' / IN.	DRAWN -	REVISED -		600	60-(30,31,128)-1	ST. CLAIR/MADISON	399	282		
PLOT DATE = 8/24/2009	DATE -	CHECKED -	REVISED -		SCALE:	SHEET NO. 3 OF 120 SHEETS	STA. 103+00.00 TO STA. 103+50.00	CONTRACT NO. 76830			
		DATE -	REVISED -				ILLINOIS FED. AID PROJECT				

DATE	
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FINAL SURVEY	
SURVEYED	
NOTE BOOK	
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TEMPLATE	
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DATE	
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ORIGINAL SURVEY	
SURVEYED	
NOTE BOOK	
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PLANNED	
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TEMPLATE	
AREAS	
CHECKED	



FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 159 MAINLINE CROSS SECTIONS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\projects\1513501\cadd\dgn\c876838-sht-xasht-159.dgn		DRAWN -	REVISED -		600	60-(30,31,128)-1	ST. CLAIR/MADISON	399	283		
PLOT SCALE = 10,0000 ' / IN.		CHECKED -	REVISED -		SCALE: SHEET NO. 4 OF 120 SHEETS STA. 104+00.00 TO STA. 104+50.00			CONTRACT NO. 76830			
PLOT DATE = 8/24/2009		DATE -	REVISED -		ILLINOIS FED. AID PROJECT						



C=72
F=5
105 + 50.00

C=44
F=4
105 + 00.00

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 159
MAINLINE CROSS SECTIONS**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-1	ST. CLAIR/MADISON	399	284
				CONTRACT NO. 76830
ILLINOIS FED. AID PROJECT				

FILE NAME =	USER NAME = default	DESIGNED -	REVISED -
pr:\projects\513501\cadd\dgn\0876830-sht-ssht-1-159.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

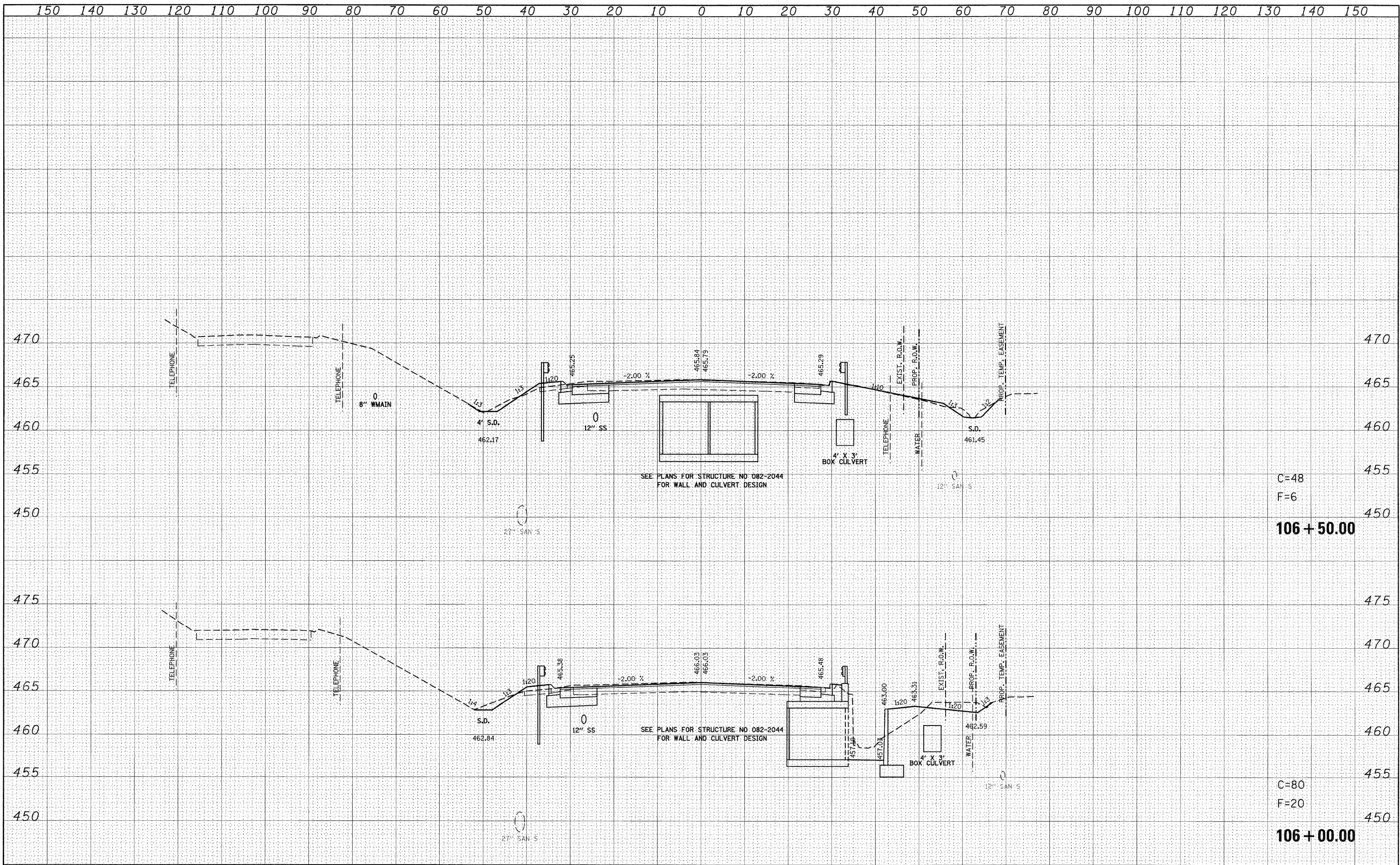
SCALE: SHEET NO. 5 OF 120 SHEETS STA. 105+00.00 TO STA. 105+50.00

FINAL SURVEY	BY	DATE
SURVEYED		
NOTE BOOK		
TEMPLATE		
AREAS		
CHECKED		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
NOTE BOOK		
TEMPLATE		
AREAS		
CHECKED		

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

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



C=48
F=6
106 + 50.00

C=80
F=20
106 + 00.00

FILE NAME =
c:\projects\1513501\cadd\vdgn\d876830-shr-xssht-15.dgn

USER NAME = default
PLOT SCALE = 10,0000' / IN.
PLOT DATE = 8/24/2009

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

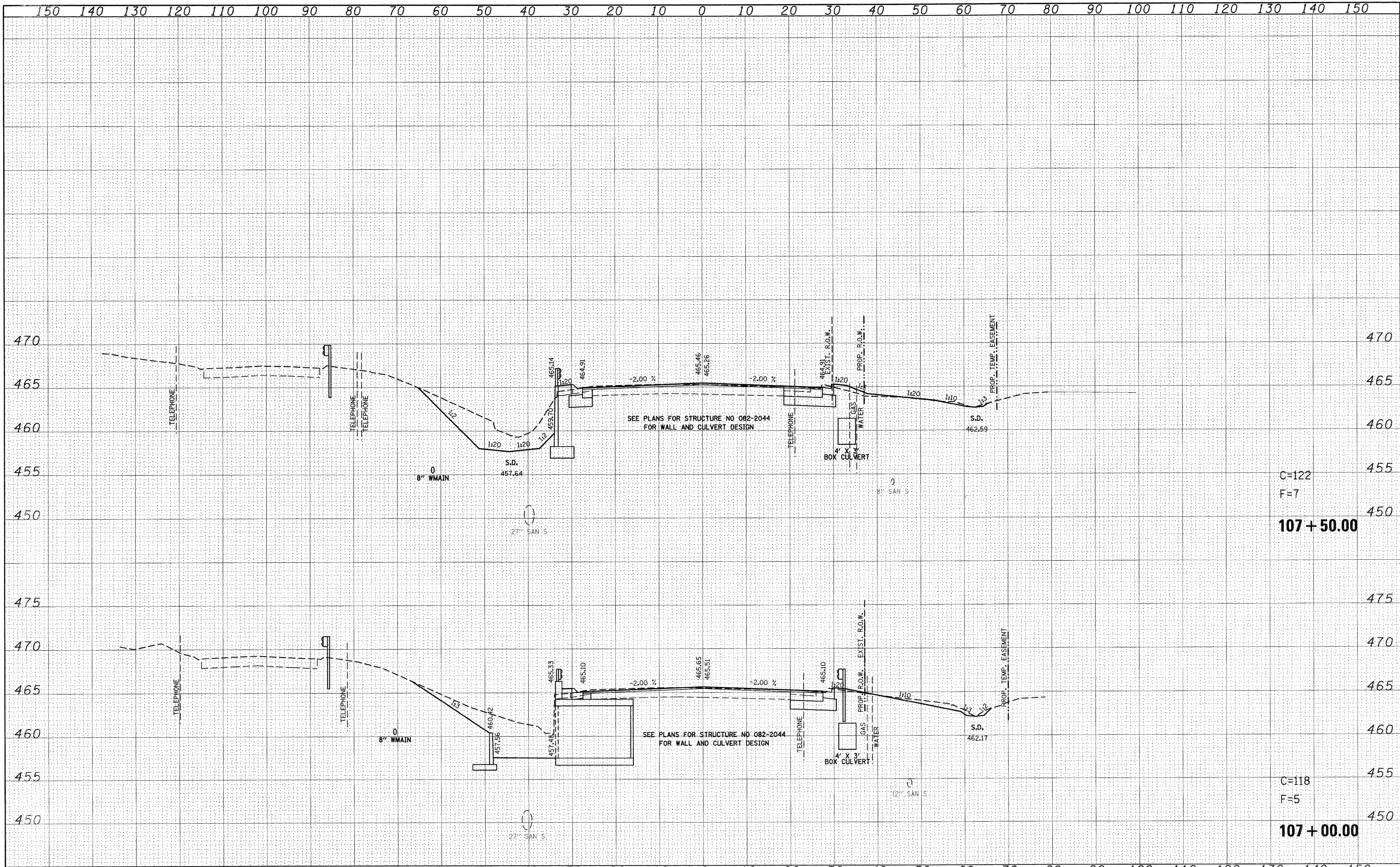
**IL ROUTE 159
MAINLINE CROSS SECTIONS**

SCALE: SHEET NO. 6 OF 120 SHEETS STA. 106+00.00 TO STA. 106+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-1	ST. CLAIR/MADISON	399	285
CONTRACT NO. 76830			ILLINOIS FED. AID PROJECT	

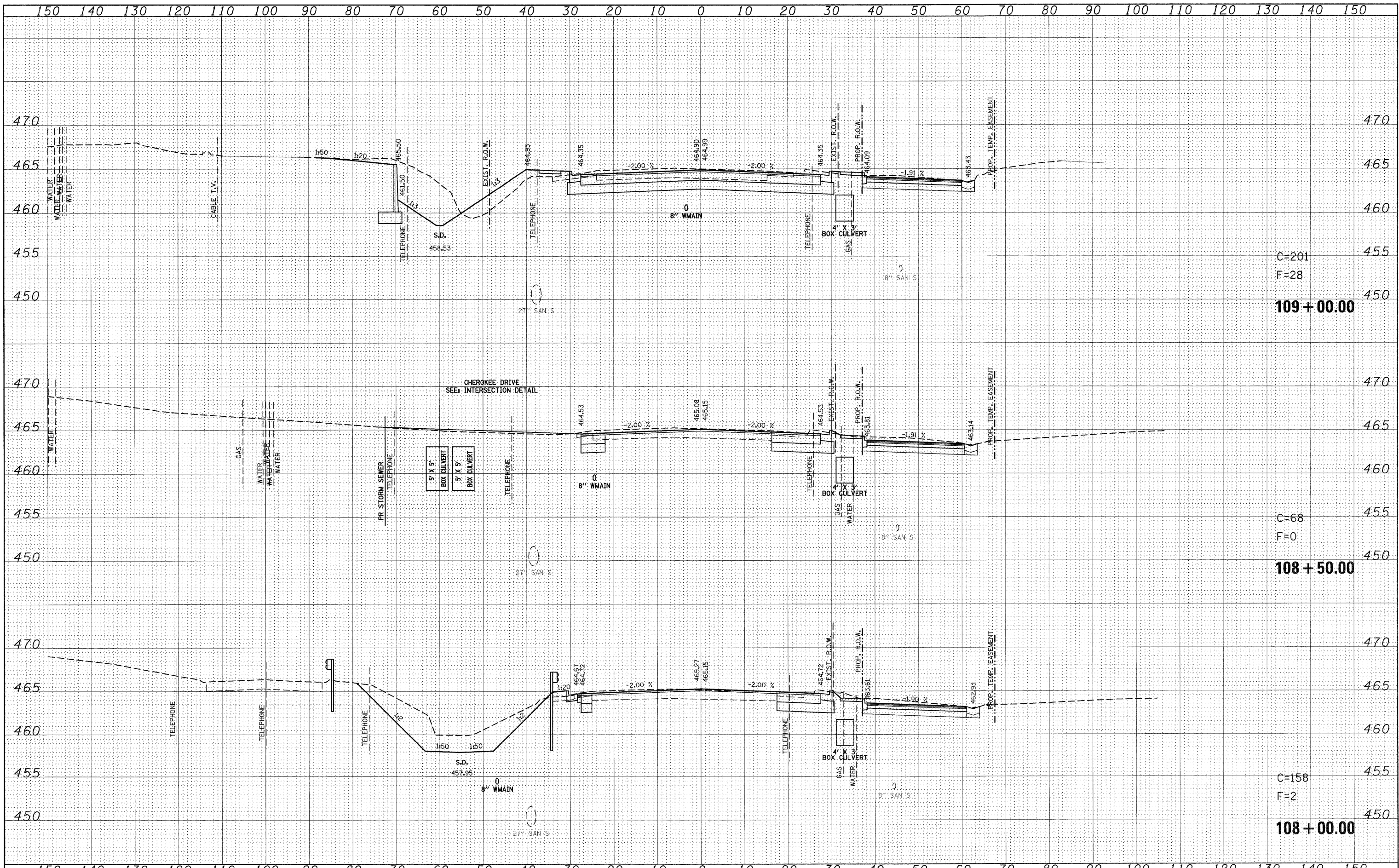
BY	
DATE	
FINAL SURVEY	SURVEYED
NOTE BOOK NO.	PLOTTED
	TEMPLATE
	AREAS CHECKED

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



C=122
F=7
107+50.00

C=118
F=5
107+00.00



C=201
F=28
109 + 00.00

C=68
F=0
108 + 50.00

C=158
F=2
108 + 00.00

CHEROKEE DRIVE
SEE INTERSECTION DETAIL

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 159
MAINLINE CROSS SECTIONS**

FILE NAME =
p:\projects\1513501\cadd\dgn\d876830-sht-xash-1159.dgn

USER NAME = default
DRAWN -
CHECKED -
PLOT SCALE = 10.0000' / 1" =
PLOT DATE = 8/24/2009

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

SCALE: SHEET NO. 8 OF 120 SHEETS STA. 108+00.00 TO STA. 109+00.00

F.A.P. RTE. 600 SECTION 60-(30,31,128)-1 COUNTY ST. CLAIR/MADISON TOTAL SHEETS 399 SHEET NO. 287 CONTRACT NO. 76830 [ILLINOIS] FED. AID PROJECT

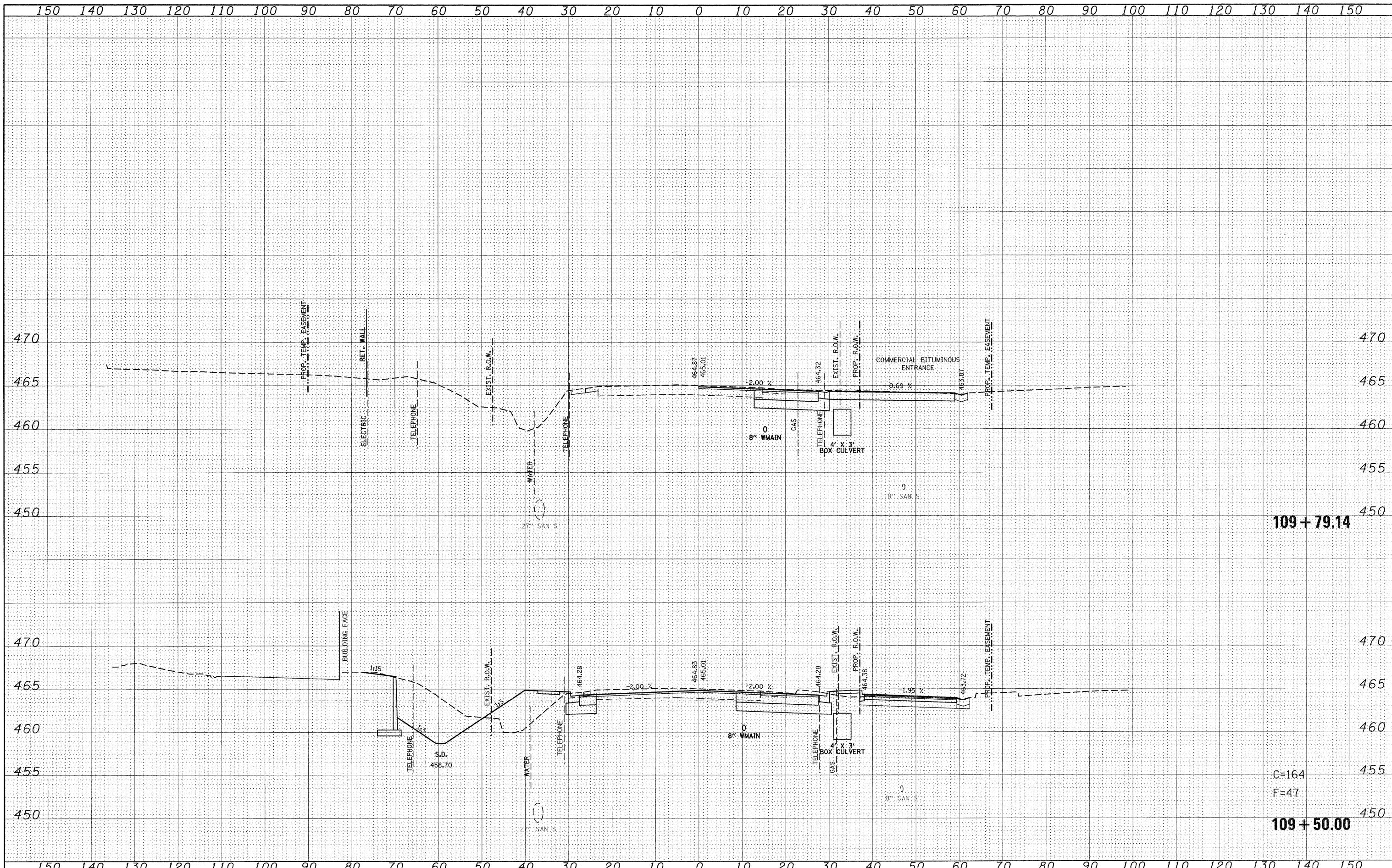
SCALE: SHEET NO. 8 OF 120 SHEETS STA. 108+00.00 TO STA. 109+00.00

DATE	
BY	
FINAL SURVEY	
NOTE BOOK NO.	
AREAS CHECKED	

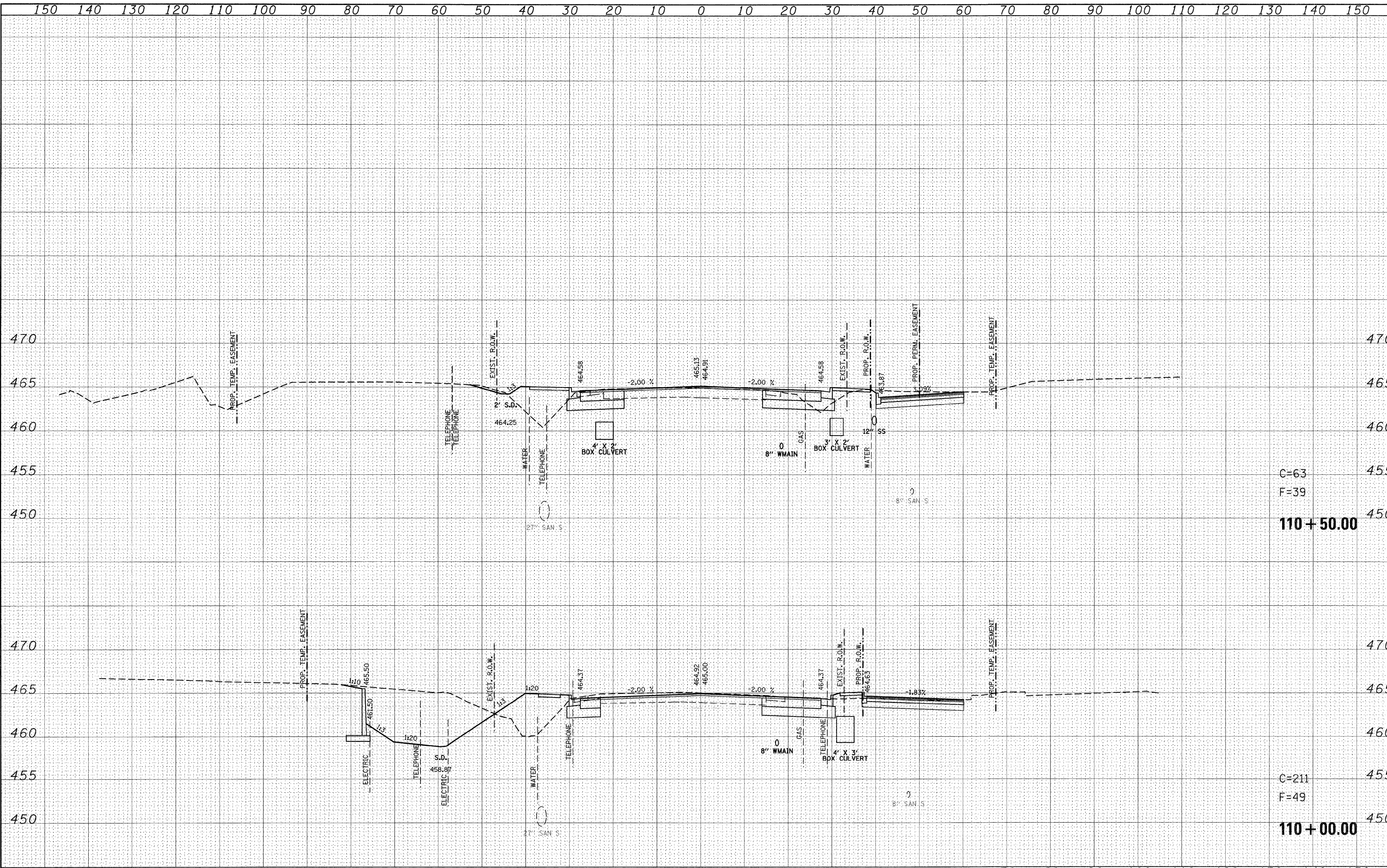
DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK NO.	
AREAS CHECKED	

FINAL	SURVEYED	BY	DATE
NOTE BOOK	TEMPLATE		
AREAS	CHECKED		
NO.			

ORIGINAL	SURVEYED	BY	DATE
NOTE BOOK	TEMPLATE		
AREAS	CHECKED		
NO.			



FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 159 MAINLINE CROSS SECTIONS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\projects\513501\cadd\ dgn\d876830-sht-ssht-1159.dgn		DRAWN -	REVISED -		600	60-(30,31,128)-1	ST. CLAIR/MADISON	399	288		
PLOT SCALE = 10,0000 "/> <td></td> <td>CHECKED -</td> <td>REVISED -</td> <td colspan="2">SCALE:</td> <td>SHEET NO. 9 OF 120 SHEETS</td> <td>STA. 109+50.00 TO STA. 109+79.14</td> <td colspan="2">ILLINOIS FED. AID PROJECT</td>		CHECKED -	REVISED -		SCALE:		SHEET NO. 9 OF 120 SHEETS	STA. 109+50.00 TO STA. 109+79.14	ILLINOIS FED. AID PROJECT		
PLOT DATE = 8/24/2009		DATE -	REVISED -		CONTRACT NO. 76830						



FINAL	DATE
SURVEYED	
NOTE BOOK	
TEMPLATE	
AREAS	
CHECKED	

ORIGINAL	DATE
SURVEYED	
NOTE BOOK	
TEMPLATE	
AREAS	
CHECKED	

FILE NAME =
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USER NAME = default
 DESIGNED -
 DRAWN -
 CHECKED -
 PLOT SCALE = 10,0000 ' / IN.
 PLOT DATE = 8/24/2009

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 159
 MAINLINE CROSS SECTIONS**

SCALE: SHEET NO. 10 OF 120 SHEETS STA. 110+00.00 TO STA. 110+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-1	ST. CLAIR/MADISON	399	289
CONTRACT NO. 76830			ILLINOIS FED. AID PROJECT	

C=63
 F=39

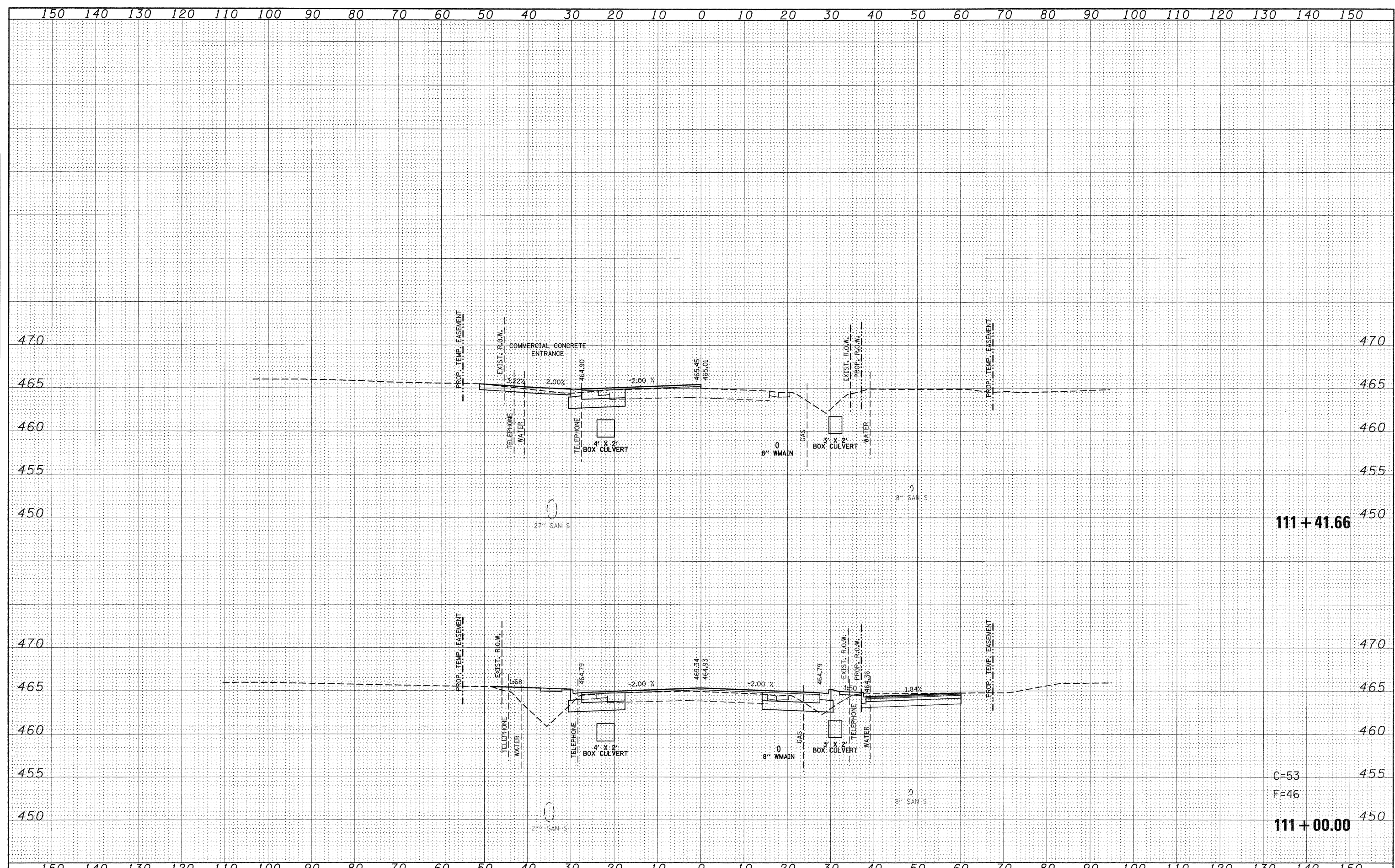
110+50.00

C=211
 F=49

110+00.00

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

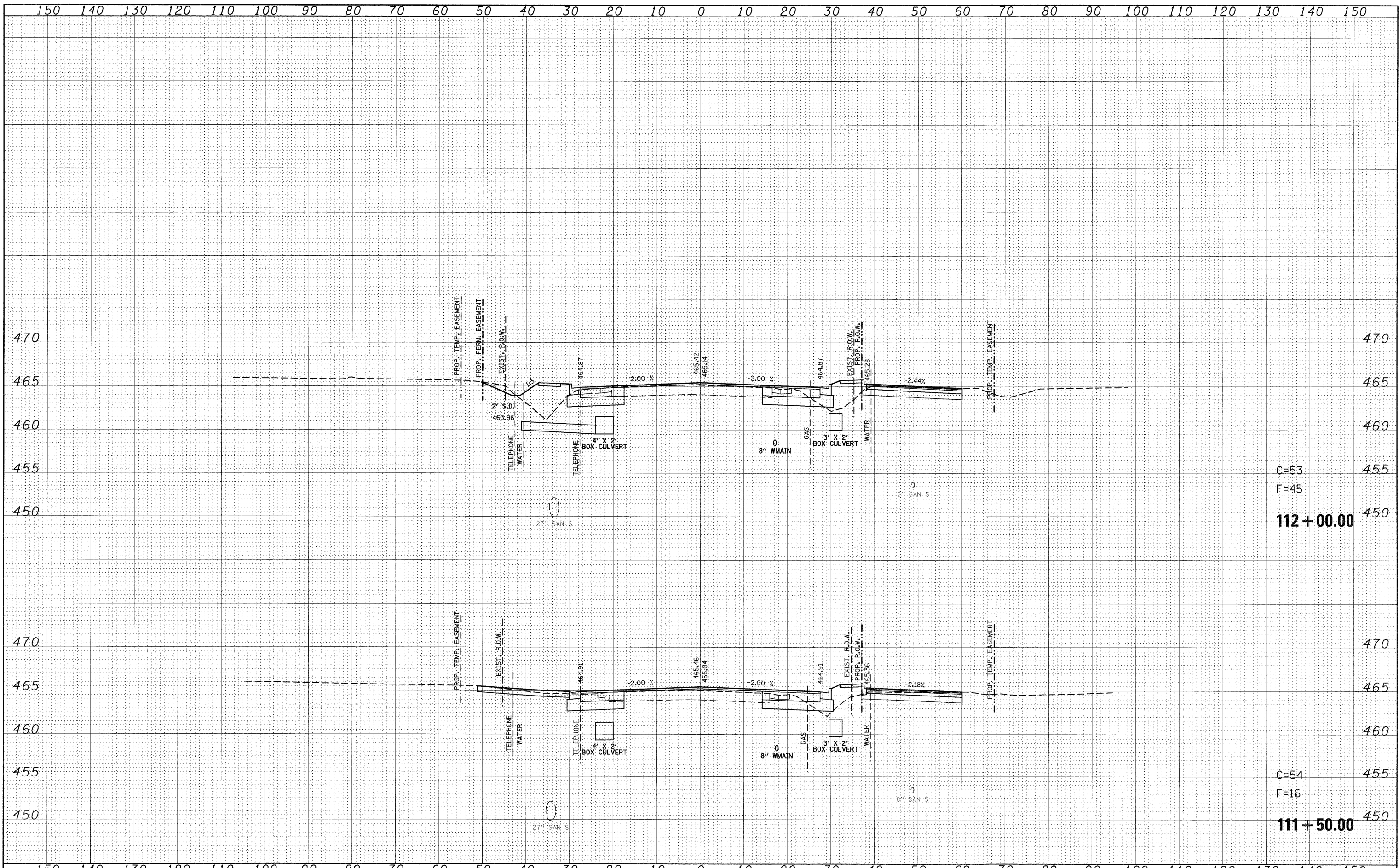
ORIGINAL SURVEY	BY	DATE
SURVEYED		
NOTE BOOK		
TEMPLATE		
AREAS CHECKED		
NO.		



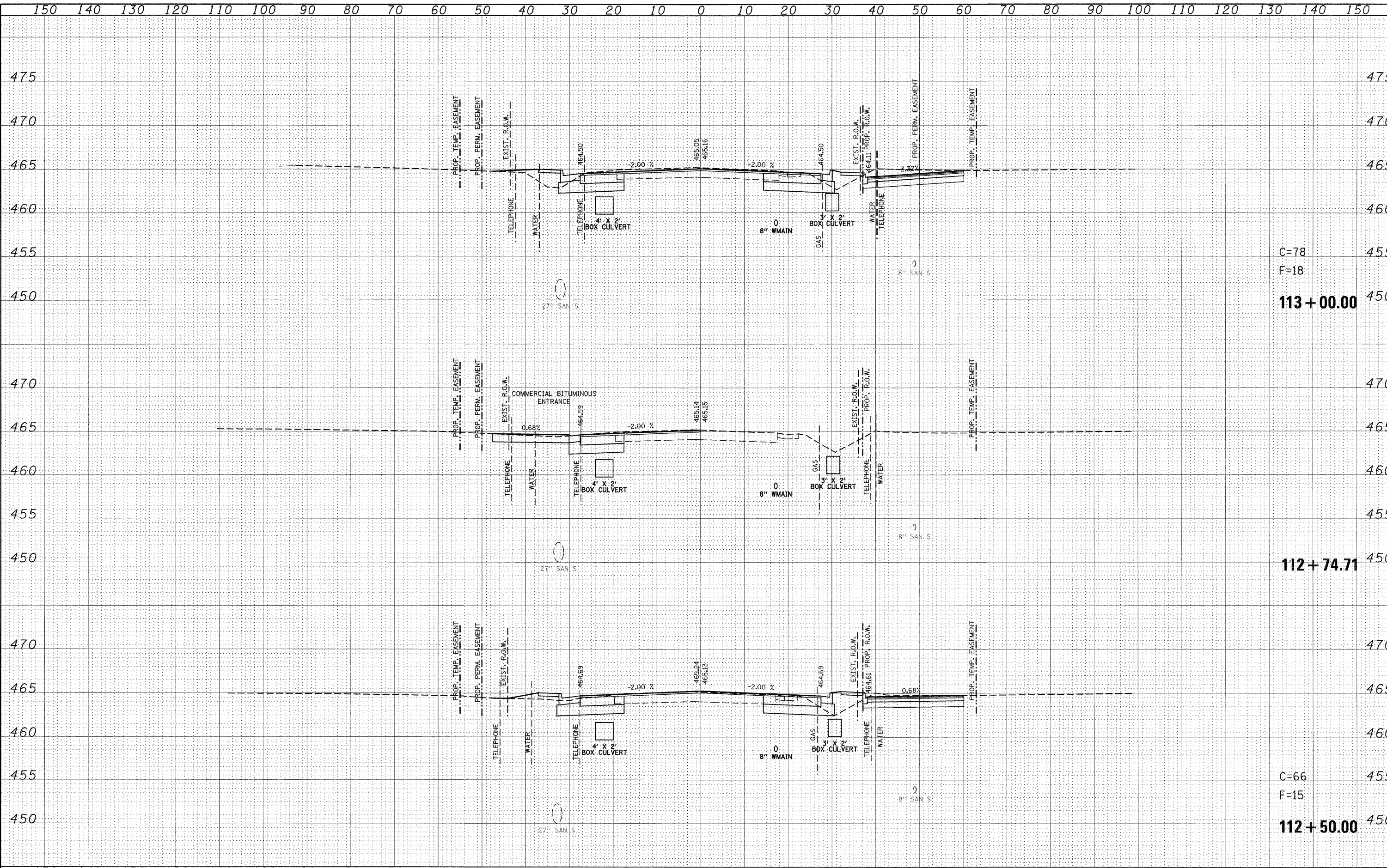
FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 159 MAINLINE CROSS SECTIONS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ps:\projects\1513501\add\dgn\076838-sh1-xssht-1159.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO. 11 OF 120 SHEETS	STA. 111+00.00 TO STA. 111+41.66	600	60-(30,31,128)-1	ST. CLAIR/MADISON	399	290
PLOT SCALE = 10.0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 76830							
PLOT DATE = 8/24/2009		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

DATE	
BY	
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FINAL SURVEY	
NOTE BOOK	
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DATE	
ORIGINAL SURVEY	
NOTE BOOK	
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PLANNED	
TEMPLATE	
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FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 159 MAINLINE CROSS SECTIONS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ps\projects\513501\cadd\dgn\d876830-shr-kssh-t-1159.dgn		DRAWN -	REVISED -		600	60-(30,31,128)-1	ST. CLAIR/MADISON	399	291	CONTRACT NO. 76830	
PLOT SCALE = 10.0000' / IN.		CHECKED -	REVISED -		SCALE:	SHEET NO. 12 OF 120 SHEETS	STA. 111+50.00 TO STA. 112+00.00	ILLINOIS FED. AID PROJECT			
PLOT DATE = 8/24/2009		DATE -	REVISED -								



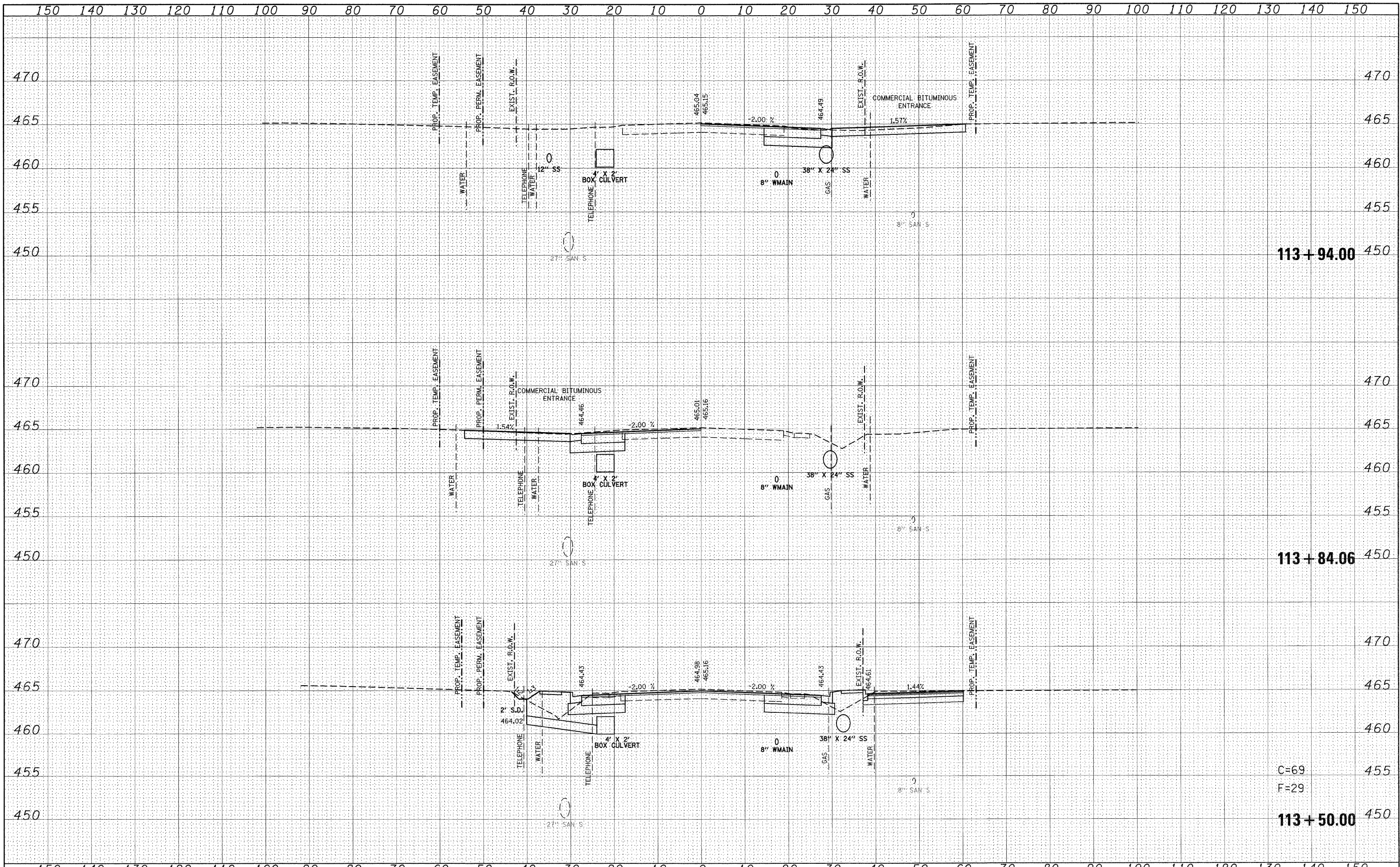
C=78
F=18
113+00.00

112+74.71

C=66
F=15
112+50.00

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

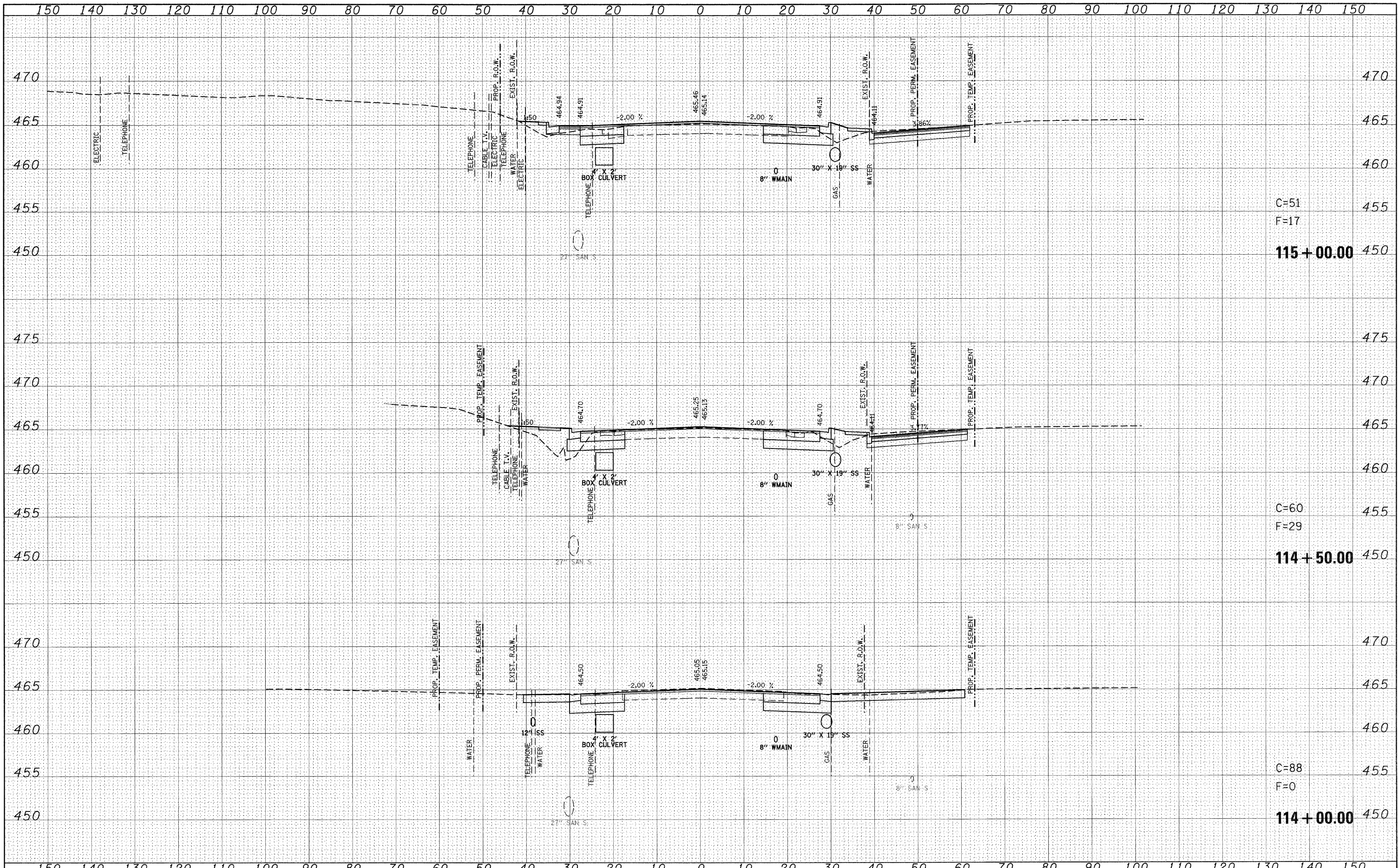
DATE	
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ORIGINAL SURVEY	
SURVEYED	
TEMPLATE	
AREAS	
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NOTE BOOK	
AREAS CHECKED	



DATE	
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FILE NAME	
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DESIGNED	
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FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 159 MAINLINE CROSS SECTIONS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\projects\1513581\cadd\dgn\d876830-sht-ssht-1	159.dgn	DRAWN -	REVISED -		600	60-(30,31,128)-1	ST. CLAIR/MADISON	399	293	CONTRACT NO. 76830	
PLOT SCALE = 10,0000' / IN.		CHECKED -	REVISED -		SCALE:	SHEET NO. 14 OF 120 SHEETS	STA. 113+50.00 TO STA. 113+94.00	ILLINOIS FED. AID PROJECT			
PLOT DATE = 8/24/2009		DATE -	REVISED -								



C=51
F=17

115 + 00.00

C=60
F=29

114 + 50.00

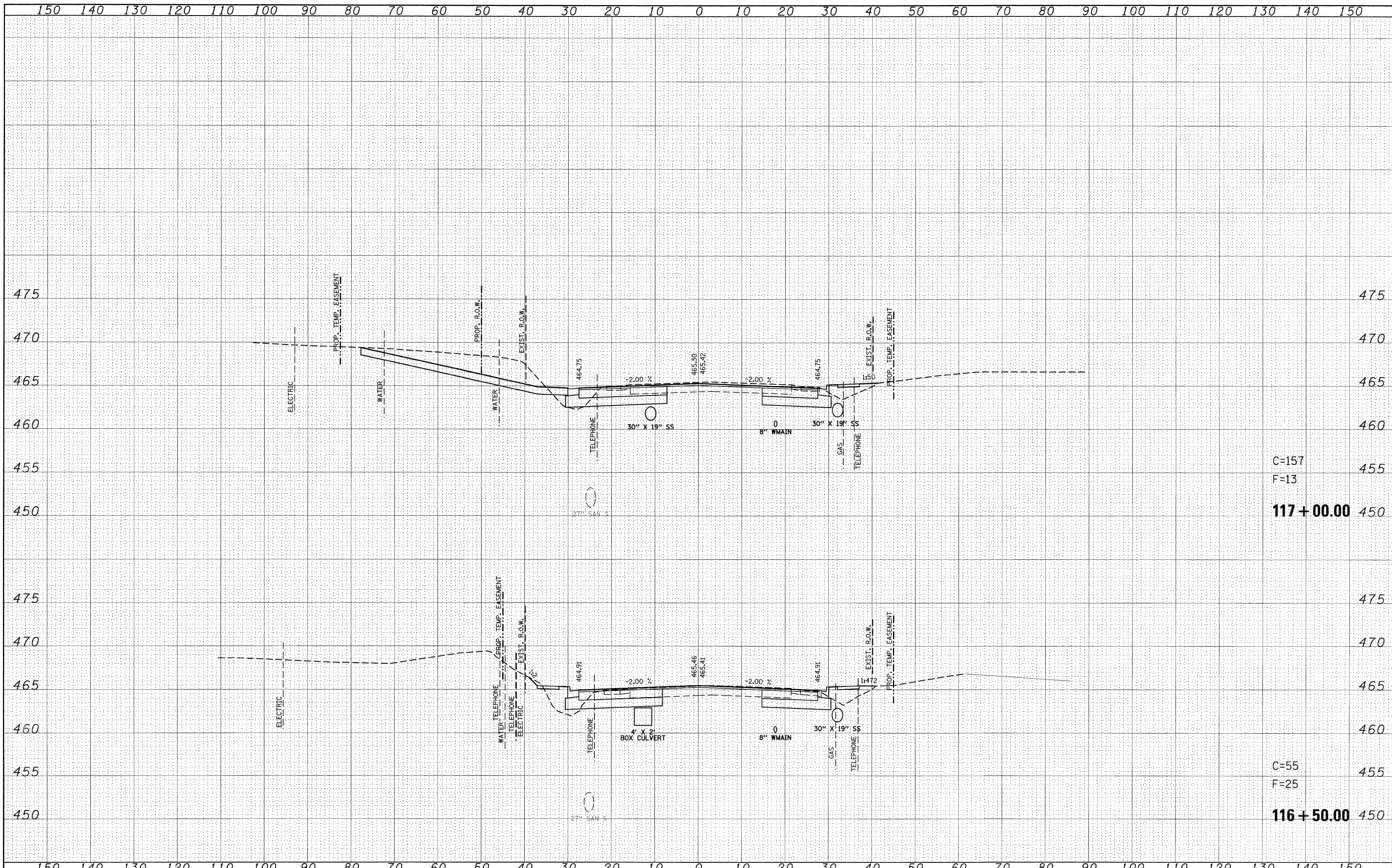
C=88
F=0

114 + 00.00

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

ORIGINAL SURVEY	DATE
PLANNED	BY
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TEMPLATE	
AREAS	
AREAS CHECKED	
NO.	

FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 159 MAINLINE CROSS SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ps:\projects\513581\cadd\dgn\j876630-shr-zsh-t-1159.dgn		DRAWN -	REVISED -		600	60-(30,31,128)-1	ST. CLAIR/MADISON	399	294			
PLOT SCALE = 10.0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 76830							
PLOT DATE = 8/24/2009		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							
					SCALE:	SHEET NO. 15 OF 120 SHEETS	STA. 114+00.00	TO STA. 115+00.00				



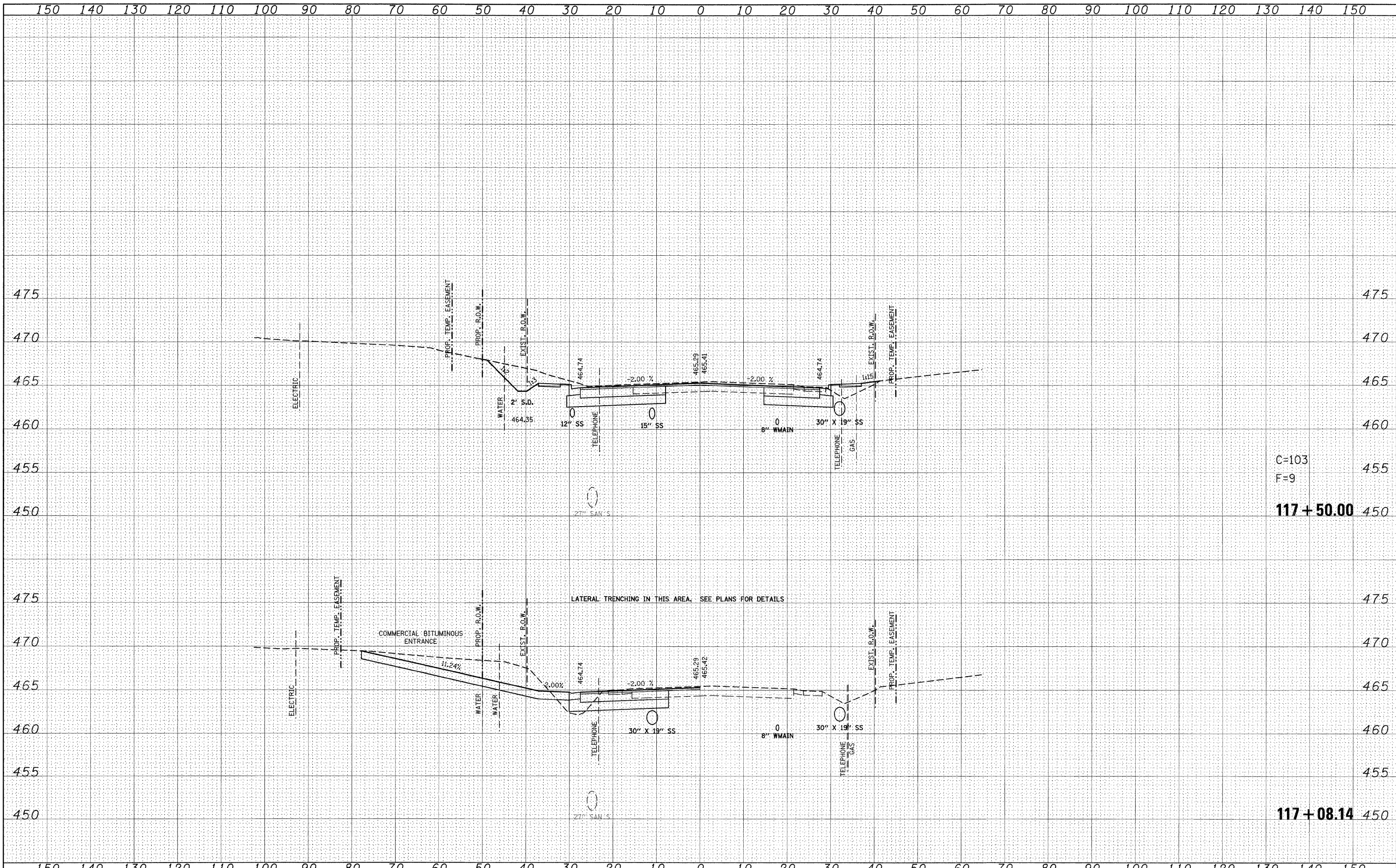
C=157
F=13
117+00.00

C=55
F=25
116+50.00

FINAL SURVEY	BY	DATE
SURVEYED		
NOTE BOOK		
TEMPLATE		
AREAS		
CHECKED		

ORIGINAL SURVEY	BY	DATE
PLOTTED		
NOTE BOOK		
TEMPLATE		
AREAS		
CHECKED		

FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 159 MAINLINE CROSS SECTIONS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pr\projects\1513501\cadd\dgn\d876830-sht-ssht-1159.dgn		DRAWN -	REVISED -		600	60-(30,31,128)-1	ST. CLAIR/MADISON	399	296		
PLOT SCALE = 10.0000' / IN.		CHECKED -	REVISED -		SCALE:		SHEET NO. 17 OF 120 SHEETS		STA. 116+50.00 TO STA. 117+00.00	CONTRACT NO. 76830	
PLOT DATE = 6/24/2009		DATE -	REVISED -		ILLINOIS FED. AID PROJECT						



C=103
F=9

117+50.00

117+08.14

LATERAL TRENCHING IN THIS AREA. SEE PLANS FOR DETAILS

COMMERCIAL BITUMINOUS ENTRANCE

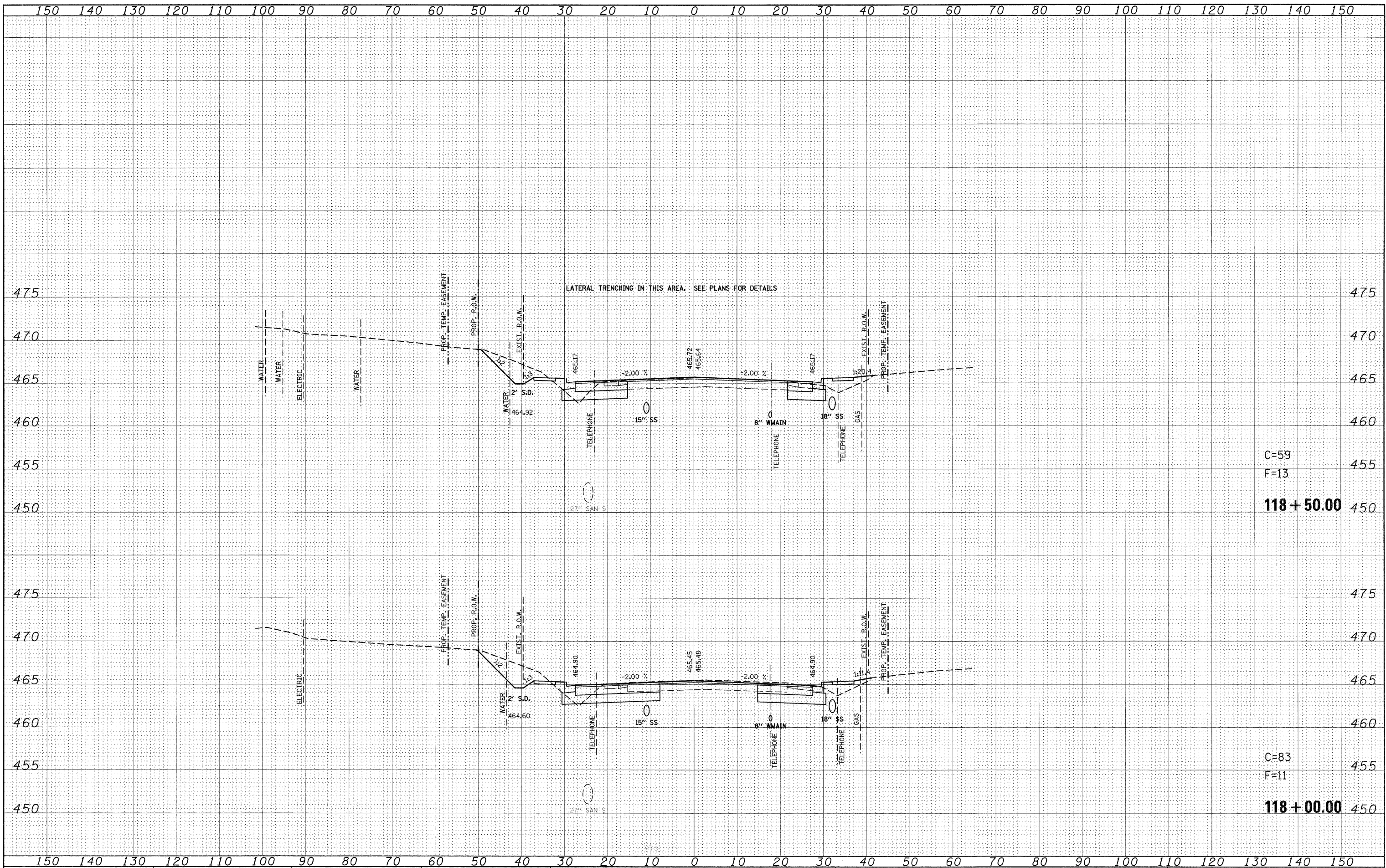
DATE	
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REVISIONS	
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DATE	
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REVISIONS	
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REVISIONS	
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DATE	
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REVISIONS	
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REVISIONS	
NO.	

FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p align="center">IL ROUTE 159 MAINLINE CROSS SECTIONS</p>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
as:\projects\1513501\oaddd\dgn\14876830-sht-xssht-1159.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO. 18 OF 120 SHEETS	STA. 117+08.14	TO STA. 117+50.00	600	60-(30,31,128)-1	ST. CLAIR/MADISON	399	297
PLOT SCALE = 10,0000' / IN.		CHECKED -	REVISED -										
PLOT DATE = 8/24/2009		DATE -	REVISED -										
												CONTRACT NO. 76830	
												ILLINOIS FED. AID PROJECT	

DATE	
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NO. CHECKED	
AREAS	
TEMPLATE	
NOTE BOOK	
FINAL SURVEY	
SIGNED	

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



FILE NAME =
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USER NAME = default
 PLOT SCALE = 10,0000 ' / IN.
 PLOT DATE = 8/24/2009

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
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 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

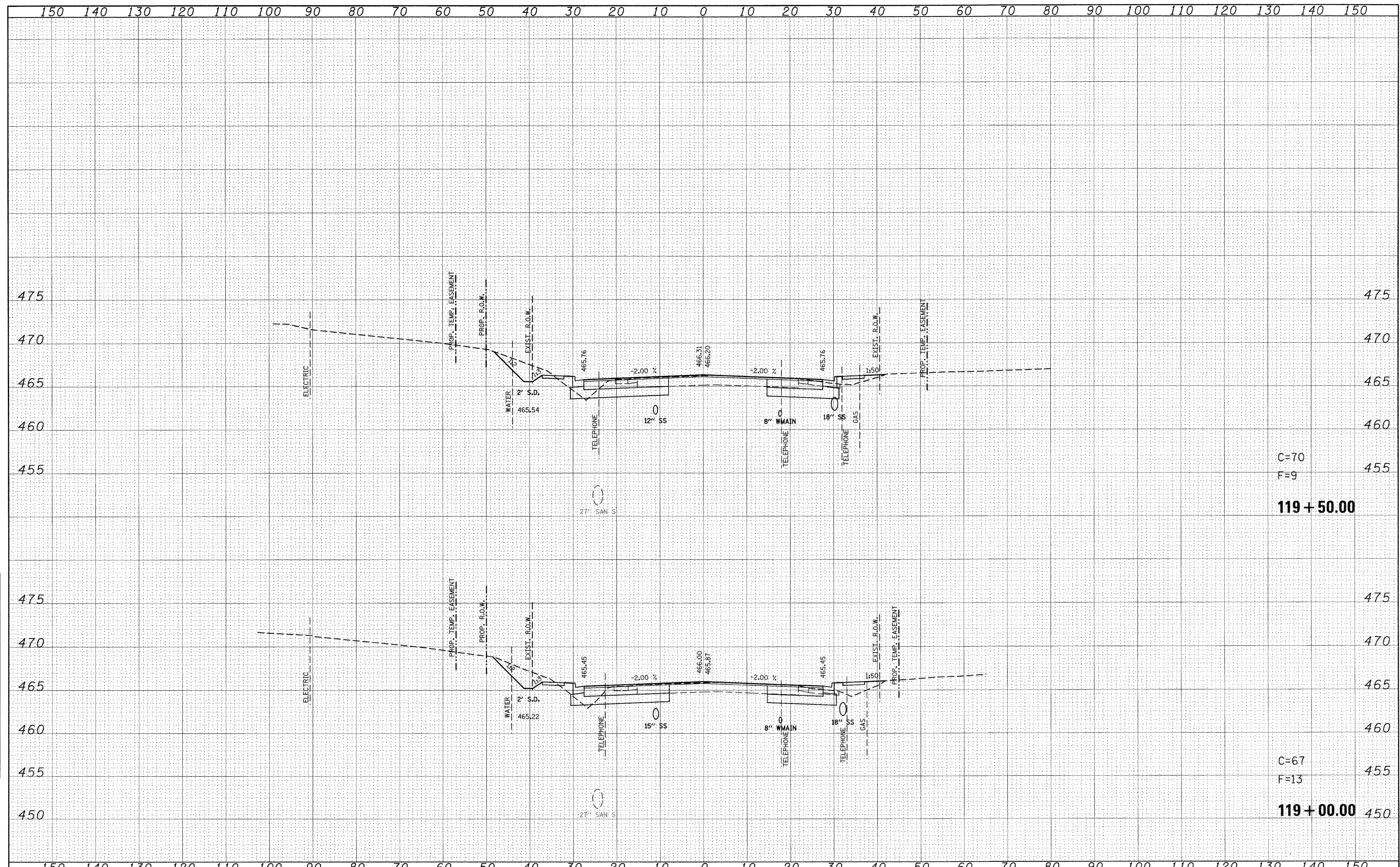
**IL ROUTE 159
 MAINLINE CROSS SECTIONS**

SCALE: SHEET NO. 19 OF 120 SHEETS STA. 118+00.00 TO STA. 118+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-1	ST. CLAIR/MADISON	399	298
CONTRACT NO. 76830			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	BY	DATE
SURVEYED		
NOTED		
TEMPLATE		
AREAS CHECKED		

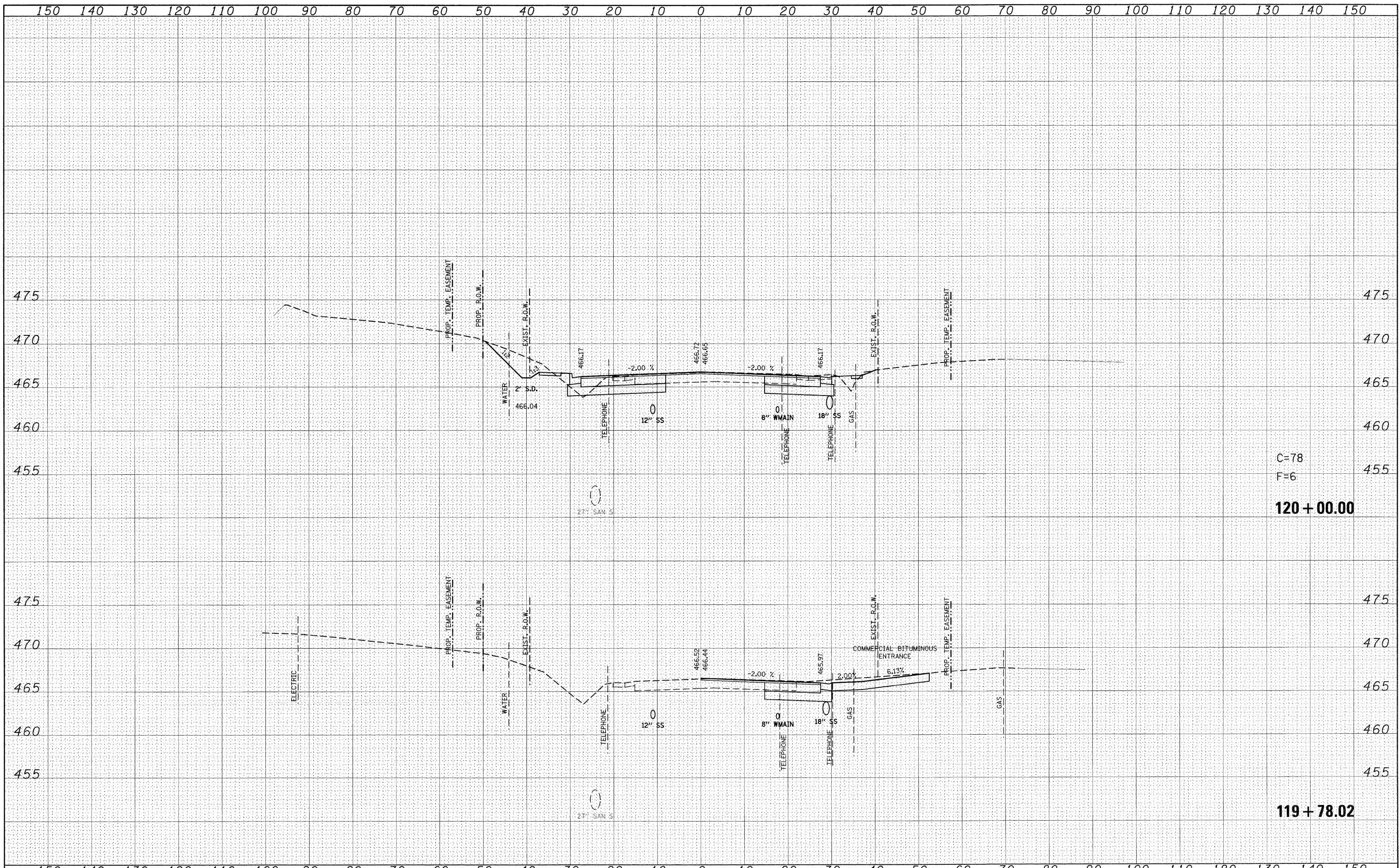
ORIGINAL SURVEY	BY	DATE
SURVEYED		
NOTED		
TEMPLATE		
AREAS CHECKED		



C=70
F=9
119+50.00

C=67
F=13
119+00.00

FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 159 MAINLINE CROSS SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pt\projects\513901\cadd\dgn\d876830-sht-ssht-1159.dgn		DRAWN -	REVISED -		600	60-(30,31,128)-1	ST. CLAIR/MADISON	399	299			
PLOT SCALE = 10.0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 76830							
PLOT DATE = 9/24/2009		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							
				SCALE:	SHEET NO. 20 OF 120 SHEETS	STA. 119+00.00	TO STA. 119+50.00					



C=78
F=6
120+00.00

119+78.02

FINAL SURVEY NO.	DATE
REVISIONS	
NOTED	
TEMPLATE	
AREAS	
CHECKED	

ORIGINAL SURVEY NO.	DATE
REVISIONS	
NOTED	
TEMPLATE	
AREAS	
CHECKED	

FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 159 MAINLINE CROSS SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
p:\projects\513581\cadd\dgn\d876830-sht-wsht-1159.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO. 21 OF 120 SHEETS	STA. 119+78.02	TO STA. 120+00.00	600	60-(30,31,128)-1	ST. CLAIR/MADISON	399	300
		CHECKED -	REVISED -										
		DATE -	REVISED -										

CONTRACT NO. 76830
ILLINOIS FED. AID PROJECT