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**LIST OF HIGHWAY STANDARDS**

000001-05	701301-03
001001-02	701311-03
001006	701501-05
280001-05	701701-06
353001-04	701901-01
420001-07	720001-01
424001-05	720006-02
482001-02	728001-01
542301-02	780001-02
602301-02	781001-03
602601-02	
604006-04	
606001-04	
701011-02	

AGENCIES KNOWN TO HAVE UTILITIES WITH THE LIMITS OF THE PROJECT ARE THE FOLLOWING:

WATER	CITY OF WATERLOO
SANITARY SEWER	CITY OF WATERLOO
GAS	CITY OF WATERLOO - CHRIS FRANK (618-939-8600)
ELECTRIC	CITY OF WATERLOO - CHUCK STEPIG (618-939-8600)
TELEPHONE	JOHN SERVOS HARRISONVILLE TELEPHONE COMPANY 213 S. MAIN ST. P.O. BOX 149 WATERLOO, IL 62298 618-939-9330 htcjs@htc.net
CABLE TV	GARY WARREN 210 WEST DIVISION STREET MARYVILLE, IL 62062 618-779-4179 GWARREN@CHARTERCOM.COM

**ROADWAY CLASSIFICATION**

IL ROUTE 156 - PRINCIPAL ARTERIAL  
 MAEYSTOWN ROAD - URBAN MINOR ARTERIAL  
 DESIGN SPEED -  
 IL ROUTE 156 - 45 MPH  
 MAEYSTOWN ROAD - 35 MPH

**LENGTH OF PROJECT**

**MAEYSTOWN ROAD**  
 GROSS LENGTH = 1400.40 FT  
 NET LENGTH = 1400.40 FT

**IL 156**  
 GROSS LENGTH = 344.82 FT  
 NET LENGTH = 344.82 FT

TOTAL PROJECT LENGTH = 1745.22 FT = 0.33 MI

**ADI**

IL 3  
 9,000 ADT (2009 CONSTRUCTION YEAR)  
 13,250 ADT (2029 DESIGN YEAR)

MAEYSTOWN ROAD  
 5,300 ADT (2008 CONSTRUCTION YEAR)  
 6,400 ADT (2028 DESIGN YEAR) W. OF MAEYSTOWN

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS

PROPOSED ROADWAY IMPROVEMENTS

FAU 9314

MAEYSTOWN ROAD (AKA LAKEVIEW DR.)

SECTION NO. 08-00034-00-RS

CITY OF WATERLOO

MONROE COUNTY, ILLINOIS

JOB NO. C-98-376-09

PROJECT NO. ARA-5011(286)

WIDENING FOR RIGHT TURN LANE & RESURFACING

F.A.U. RTE.	SECTION	COUNTY
9314	08-00034-00-RS	MONROE

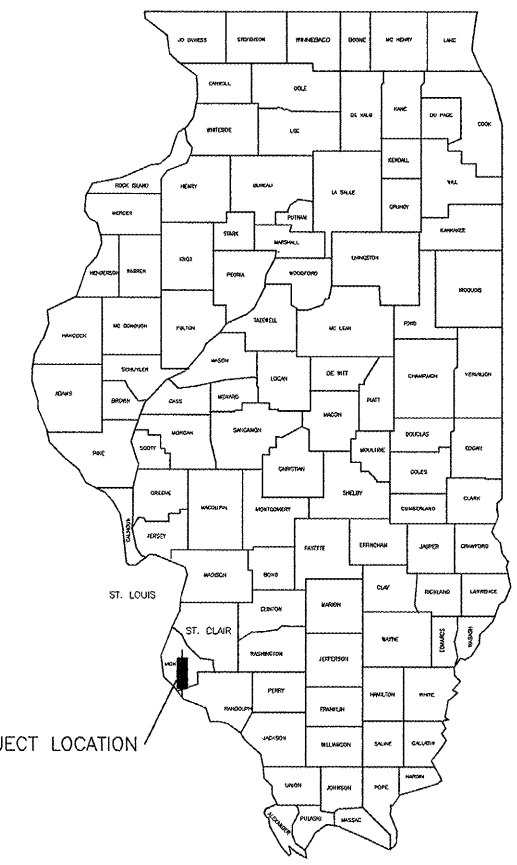
CONTRACT NO. 97403  
 FEDERAL AID PROJECT

SHEET NO.

1 of 20

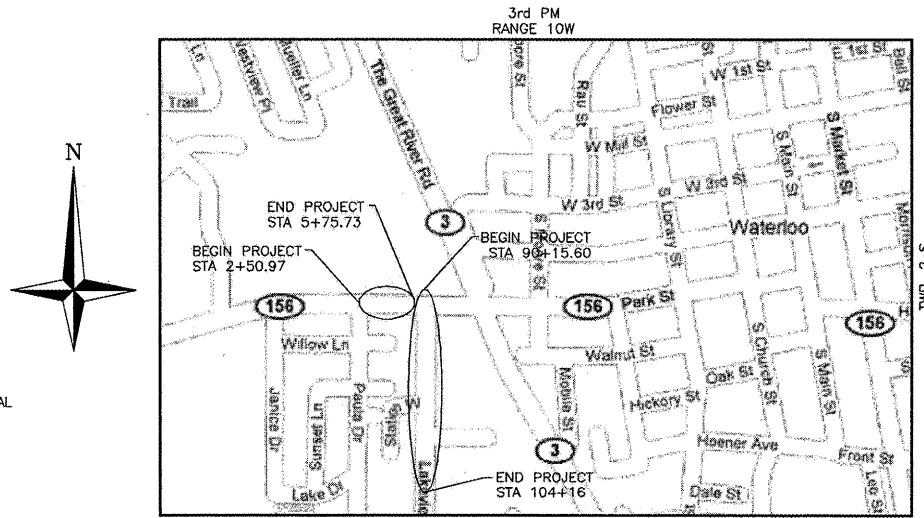
Job No. 119-06-3  
 Date: 10/15/09  
 Scale: 1"=20'  
 Drawn by: BEC  
 Design by: BEC  
 Approved by: CMB  
 File Name: PLN

REVISIONS	DATE	DESCRIPTION
5/27/08	RESURF IL 156	
7/30/09	RESURF SITE PLAN	
7/2/09	PLAN SPLIT	



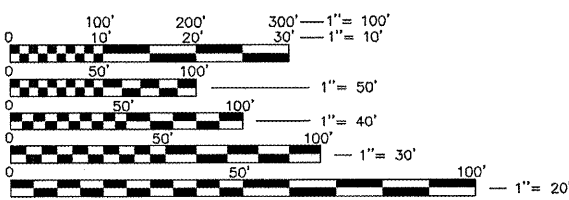
PROJECT LOCATION

STATE LOCATION MAP



LOCATION MAP

NOT TO SCALE



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

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

**BENCHMARK:**  
 SITE BENCHMARK ELEV: 650.28  
 TOP OF FOUND IRON ROD 11.20' FEET SOUTH FROM CENTER OF AIR RELEASE MANHOLE, AND 60.80' FEET WEST OF WEST EDGE OF PAVEMENT OF ILLINOIS ROUTE 3.

**SURVEY & SITE PLAN BY:**  
 CRAIG BRAUER, P.E.  
 THOUVENOT, WADE & MOERCHEN, INC  
 113 SOUTH MAIN STREET  
 WATERLOO, ILLINOIS 62298  
 PHONE: 618-939-5050  
 FAX: 618-939-3938



BRIAN E. COURTWRIGHT, P.E.  
 IL LICENSE NO. 062.057479  
 10/15/09  
 EXPIRATION DATE 11/30/11

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS

APPROVED Oct. 29 2009  
*Ronald Dalbo*  
 MONROE COUNTY ENGINEER  
 MONROE COUNTY HIGHWAY DEPARTMENT

APPROVED OCT 30 2009  
*Thomas Smith*  
 MAYOR THOMAS SMITH  
 CITY OF WATERLOO

PASSED November 2 2009  
*Loretta*  
 DISTRICT 8 ENGINEER  
 LOCAL ROADS & STREETS

RELEASED FOR BID BASED ON LIMITED REVIEW November 2 2009  
*Mary C. Lammie*  
 DEPUTY DIRECTOR OF HIGHWAYS  
 REGION FIVE ENGINEER

**CBB** Crawford, Bunte, Brammeier  
 Traffic and Transportation Engineers  
 St. Louis, Missouri / Glen Carbon, Illinois  
 314-878-6644 618-656-2612  
 Fax: 314-878-5876 E-Mail: cbb@cbtraffic.com

ROADWAY  
 TITLE SHEET  
 MONROE COUNTY  
 IL 156 & MAEYSTOWN ROAD  
 WATERLOO, ILLINOIS



SUMMARY OF QUANTITIES

CODE NO.	DESCRIPTION	UNIT	TOTAL QUANTITIES	IL 156	Maeystown Rd
20200100	EARTH EXCAVATION	CU YD	485	195	290
25000100	SEEDING, CLASS 1	ACRE	0.5	0.1	0.4
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	45	9	36
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	45	9	36
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	45	9	36
25100115	MULCH, METHOD 2	ACRE	0.5	0.1	0.4
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	71	3	68
28000400	PERIMETER EROSION BARRIER	FOOT	663		663
28000500	INLET AND PIPE PROTECTION	EACH	2		2
28100705	STONE DUMPED RIPRAP, CLASS A3	SQ YD	25		25
35100300	AGGREGATE BASE COURSE, TYPE A 4"	SQ YD	86	86	
35101100	AGGREGATE BASE COURSE, TYPE A 12"	SQ YD	1056	225	831
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	8		8
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	286	53	233
40600300	AGGREGATE (PRIME COAT)	TON	12	1.5	10.5
40600990	TEMPORARY RAMP	SQ YD	27	18	9
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	396	67	329
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	508	65	443
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	223	184	39
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	14	14	
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	711	711	
42400800	DETECTABLE WARNINGS	SQ FT	20	20	
44000100	PAVEMENT REMOVAL	SQ YD	344	60	284
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	1622	460	1162
44000198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	214	18	196
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	130	89	41
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	316	66	250
44000600	SIDEWALK REMOVAL	SQ FT	50	50	
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	499	345	154
44300300	AREA REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A	SQ YD	2300		2300
48101200	AGGREGATE SHOULDERS, TYPE B	TON	51		51
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	226	120	106
54213447	END SECTIONS 12"	EACH	2		2
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	39		39
55100500	STORM SEWER REMOVAL 12"	FOOT	51		51
60238800	INLETS, TYPE A	EACH	2		2
60404300	FRAMES AND GRATES, TYPE 3	EACH	2		2
60500060	REMOVING INLETS	EACH	2		2
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	364		364
67100100	MOBILIZATION	L SUM	1	0.2	0.8
70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1	0.2	0.8
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	384	150	234
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	94		94
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	5199	1530	3669
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	159		159
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	73	38	35
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	2065	586	1479
72000100	SIGN PANEL - TYPE 1	SQ FT	4.0		4.0
72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	5.0	5.0	
73000100	WOOD SIGN SUPPORT	FOOT	28	14	14
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	94		94
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	5199	1530	3669

SUMMARY OF QUANTITIES

CODE NO.	DESCRIPTION	UNIT	TOTAL QUANTITIES	IL 156	Maeystown Rd
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	159		159
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	73	38	35
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	27	9	18
78300100	PAVEMENT MARKING REMOVAL	SQ FT	60	60	

\* SPECIALTY ITEMS

F.A.U. RTE.	SECTION	COUNTY
9314	08-00034-00-RS	MONROE

CONTRACT NO. 97403  
FEDERAL AID PROJECT

SHEET NO.

3

Job No. 119-08-3

Date: 10/15/09

Scale: 1"=20'

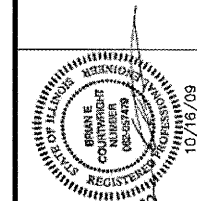
Drawn by: BEC

Design by: BEC

Approved by: CMB

File Name: PLN

REVISIONS	5/27/09 RESURF IL 156
	7/30/09 RESURF SITE PLAN
	7/2/09 PLAN SPLIT
	10/28/09 QUANTITY CORRECTION

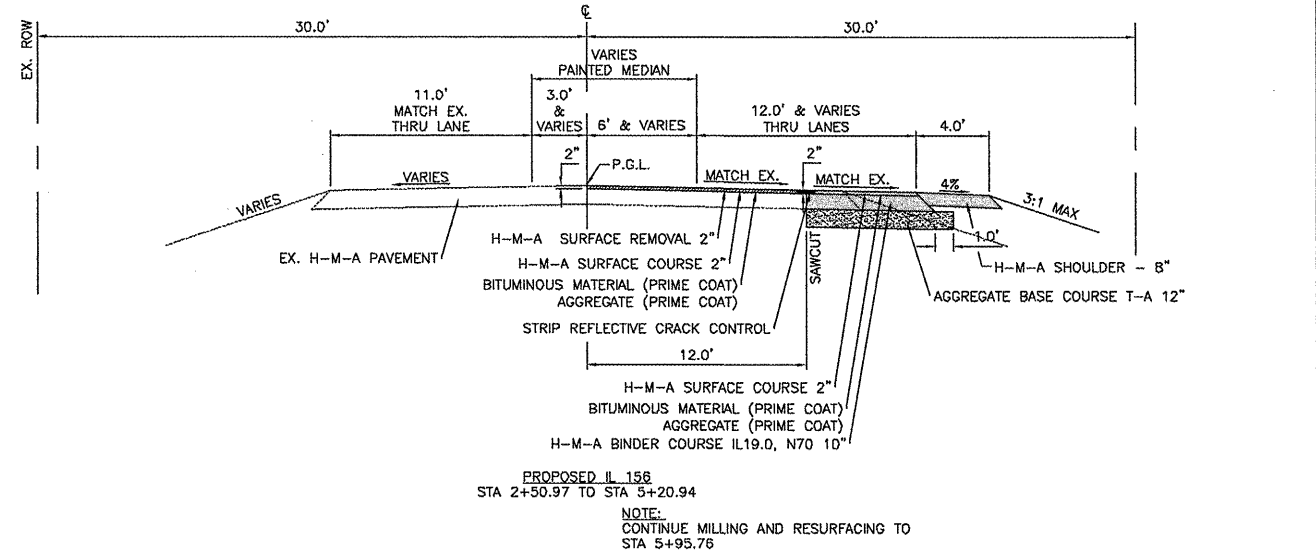
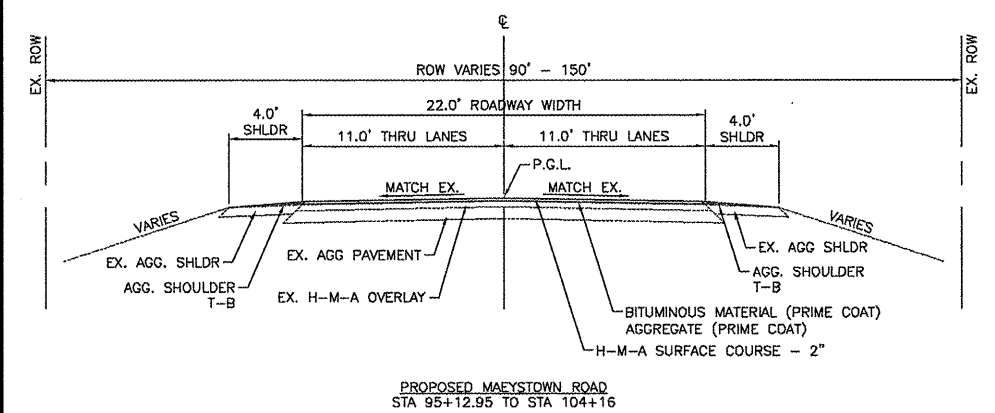
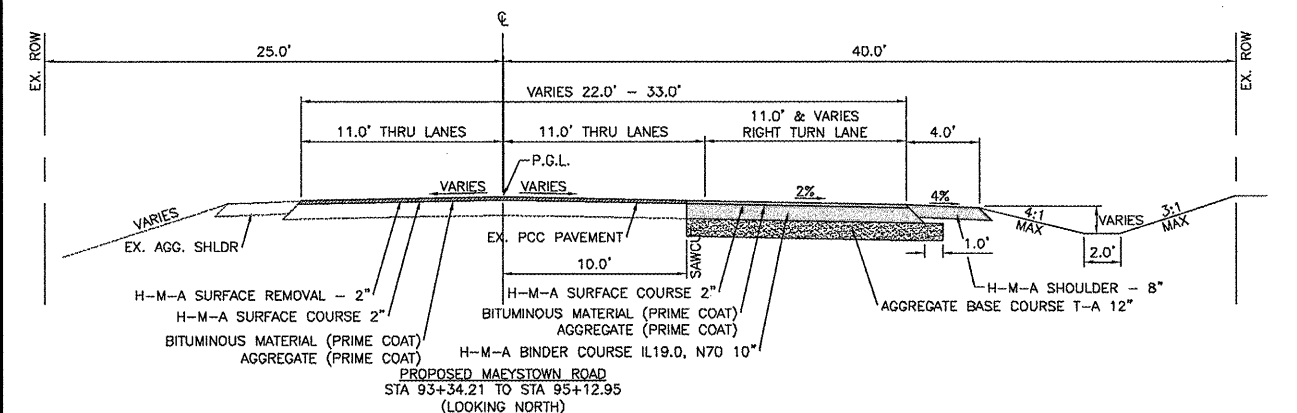
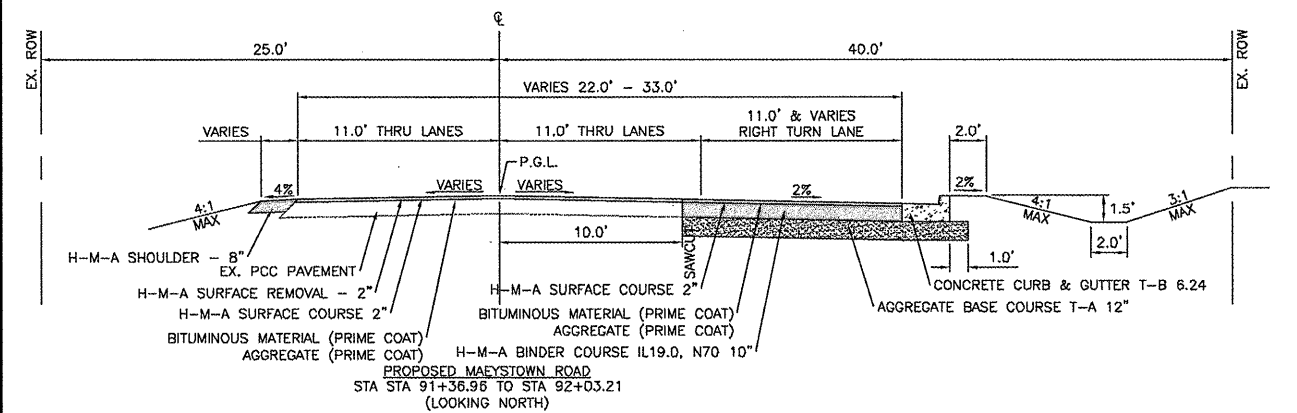
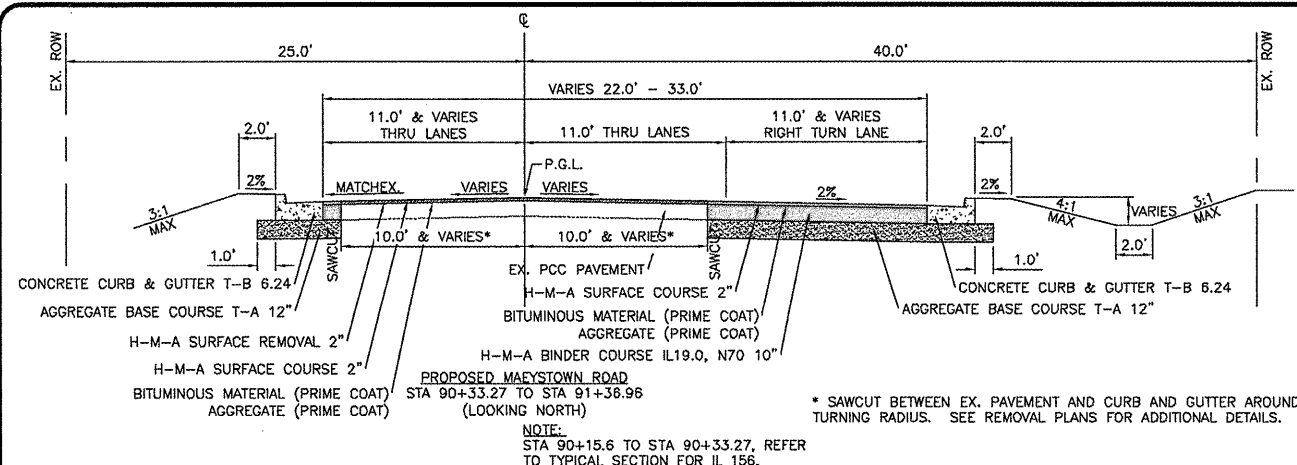


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ROADWAY  
SUMMARY OF QUANTITIES  
MONROE COUNTY  
IL 156 & MAEYSTOWN ROAD  
WATERLOO, ILLINOIS

Job No. 119-08-8  
Date: 10/15/09  
Scale: 1"=5'  
Drawn by: BEC  
Design by: BEC  
Approved by: CMB  
File Name: PLN

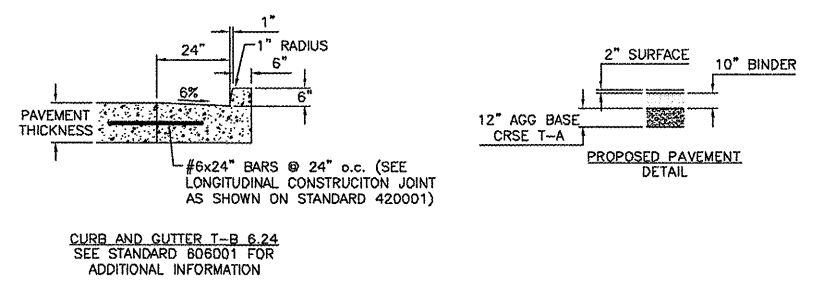
REVISIONS
5/27/08 RESURF IL 156
7/30/09 REVISED SITE PLAN
7/2/09 PLAN SPLIT



MIXTURE REQUIREMENT CHART

MIXTURE USE	2" SURFACE	BINDER CRSE	SHLDR 8"
AC/PG	PG 64-22	PG 64-22	PG 58-22
RAP% (MAX)	10%	10%	40%
DESIGN AIR VOIDS	4.0% @ N <sub>70</sub>	4.0% @ N <sub>70</sub>	2.0% @ N <sub>70</sub>
MIX COMPOSITION (GRADATION MIXTURE)	IL-12.5		
FRICION AGG	MIX D	MIX B	BAM

\* TOP LIFT OF SHOULDER - DESIGN THIS MIX AT 2.0% VOIDS AND ADD ASPHALT TO REDUCE VOIDS TO 1.5%



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ROADWAY  
TYPICAL SECTION  
MONROE COUNTY  
IL 156 & MAEYSTOWN ROAD  
WATERLOO, ILLINOIS

REVISIONS

5/27/08	RESURF IL 156
7/30/08	RESURF SITE PLAN
7/2/09	PLAN SPLIT
10/20/09	ENT & RESURF SCH
10/28/09	QUANTITY CORRECTION



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ROADWAY  
 SCHEDULE OF QUANTITIES  
 MONROE COUNTY  
 IL 156 & MAEYSTOWN ROAD  
 WATERLOO, ILLINOIS

**Entrance Schedule**

Location / Sta	Side Lt/Rt	Existing Surface	Type of Entrance	Length (ft)	Width (ft)	Inc H-M-A (tons)	Bit. Mat'l (P.C.) (gal)	Agg. (P.C.) (tons)	Agg. Surf. (tons)	PCC Drive Pav't 6" (sq yds)	Agg. Base T-A 4" (sq yds)
IL 156											
3+44	Rt	HMA	P.E.	6.6	22.0	171					43
4+24	Rt	PCC	P.E.	5.4	24.0	13				14	43
IL 156 Sub-Total =						184	0	0	0	14	86
<b>Maeystown Rd</b>											
93+74	Rt	HMA	P.E.	4.0	18.0	2.4	1.1	0.05			
94+67	Rt	O&C	P.E.	4.0	15.0	1.1	0.5	0.03	0.9		
95+62	Lt	O&C	P.E.	4.0	14.0	1.1	0.5	0.03	0.9		
96+11	Rt	O&C	C.E.	4.0	39.0	3.4	1.5	0.08			
97+75	Rt	HMA	C.E.	4.0	26.0	2.9	1.3	0.06			
100+20	Lt	HMA	P.E.	4.0	11.0	0.9	0.4	0.02	0.7		
100+70	Lt	O&C	P.E.	4.0	18.0	1.3	0.6	0.03	1.1		
101+22	Rt	O&C	C.E.	4.0	32.0	2.5	1.1	0.06			
101+36	Lt	HMA	P.E.	4.0	12.0	1	0.4	0.02	0.7		
102+13	Rt	Agg	P.E.	4.0	23.0	1.5	0.7	0.03	1.4		
102+84	Rt	Agg	P.E.	4.0	13.0	1	0.5	0.03	0.8		
103+57	Lt	Agg	P.E.	4.0	13.0	1	0.5	0.03	0.8		
103+99	Rt	Agg	P.E.	4.0	18.0	1.3	0.6	0.03	1.1		
Maeystown Rd Sub-Total =						21	9.7	0.5	8	0	0
Total =						205	9.7	0.5	8	14	86

**MAEYSTOWN ROAD EARTHWORK SCHEDULE**

STA	to STA	UNADJUSTED EXCAVATION (CU YD)	EXCAVATION ADJUSTED FOR 25% SHINKAGE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
91+00.00	to 91+25.00	40.6	30.5	21.4	9.1
91+25.00	to 91+50.00	35.8	28.9	12.6	14.3
91+50.00	to 91+75.00	34.3	25.7	5	20.7
91+75.00	to 92+00.00	32.6	24.5	5.2	19.3
92+00.00	to 92+25.00	18.8	14.1	25.3	-11.2
92+25.00	to 93+50.00	56.5	42.4	135.9	-93.5
93+50.00	to 93+75.00	16.4	12.3	7.9	4.4
93+75.00	to 94+00.00	14.8	11.1	5.8	5.3
94+00.00	to 94+25.00	12.6	9.5	4.7	4.8
94+25.00	to 94+50.00	11.4	8.6	2.9	5.7
94+50.00	to 94+75.00	10.2	7.7	0.9	6.8
94+75.00	to 95+00.00	6.2	4.7	1.2	3.5
95+00.00	to 95+25.00	1.8	1.4	1.1	0.3
TOTAL =		292.0	219.4	229.9	-10.5
ROUNDED TOTAL =		290	220	230	-10*

**IL 156 EARTHWORK SCHEDULE**

STA	to STA	UNADJUSTED EXCAVATION (CU YD)	EXCAVATION ADJUSTED FOR 25% SHINKAGE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
2+50.00	to 2+75.00	3.3	2.5	0	2.5
2+75.00	to 3+00.00	7.1	5.3	0	5.3
3+00.00	to 3+25.00	7.9	5.9	0	5.9
3+25.00	to 3+50.00	8.7	6.5	0	6.5
3+50.00	to 3+75.00	9.3	7	0	7
3+75.00	to 4+00.00	9.6	7.2	0	7.2
4+00.00	to 4+25.00	10	7.5	0	7.5
4+25.00	to 4+50.00	10.3	7.7	0.2	7.5
4+50.00	to 4+75.00	11.3	8.5	0.4	8.1
4+75.00	to 5+00.00	12.8	9.6	0.3	9.3
5+00.00	to 5+25.00	12.4	9.3	3.9	5.4
5+25.00	to 5+50.00	17.3	13	8.4	4.6
6+25.00	to 6+50.00	39.8	29.9	3.6	26.3
6+50.00	to 6+75.00	23.5	17.6	6.4	11.2
6+75.00	to 7+00.00	9.3	7	5.2	1.8
TOTAL =		192.6	144.5	28.4	116.1
ROUNDED TOTAL =		195	145	30	115

\* ACTUAL MEASUREMENT IN TRUCK LOADS. SEE LRS #2

**Pavement Marking Removal Schedule**

Location	Painted Median (sq ft)
IL 156	
4+55 to 5+45	60
IL 156 Sub-Total =	60

**Short Term Pavement Marking Schedule**

Location	# of Applications	Short Term Pav't Mrk (sq ft)
IL 156		
2+51 to 5+36	2	114
5+36 to 6+26	2	36
IL 156 Sub-Total =		150
Maeystown Rd		
90+64 to 93+34	2	108
93+34 to 95+09	2	35
95+09 to 104+16	1	91
Maeystown Rd Sub-Total =		234
Total =		384

**Resurfacing Schedule**

Location	HMA Surf. Rem. 2" (sq yds)	HMA Surf. Rem. Vary Depth (sq yds)	Temp. Ramp (sq yds)	Strip Reflective Crack Control (ft)	Bit. Mat'l Prime Coat (gal)	Agg. Prime Coat (tons)	HMA Surf. Course (tons)	Agg. Shldr T-B LT RT (tons)
IL 156								
2+51 to 5+96	460	18	18	345	23	1.2	52	0 0
IL 156 Sub-Total =	460	18	18	345	23	1.2	52	0 0
Maeystown Road								
80+04 to 82+44	533			66	27	1.3	60	
82+44 to 85+13	629			88	31	1.6	70	7
85+13 to 85+53				98	5	0.2	11	1 1
85+53 to 103+76					0	5	225	20 20
103+76 to 104+16				98	9	0.2	11	1 1
Maeystown Road Sub-Total =	1162	196	9	154	68	8.3	377	22 29
Total =	1622	214	27	499	91	9.5	429	22 29

**Widening Schedule**

Location	Avg. Width (ft)	Length (ft)	Area (sq yds)	Agg Base T-A 12" (sq yds)	HMA Binder Crse IL 19.0, N70 (tons)	Bit. Mat'l Prime Coat (gal)	Agg. Prime Coat (tons)	HMA Surf. Course (tons)
IL 156								
2+51 to 5+21	4	270	120	225	67	30	0.3	13
IL 156 Sub-Total =				225	67	30	0.3	13
Maeystown Rd								
90+27 to 91+37				137	186	77	34	0.3
91+37 to 92+44	3.5	107	42	84	24	11	0.1	5
90+33 to 90+99				148	192	83	37	0.4
90+99 to 92+03	12	104.21	139	180	78	35	0.3	16
93+34 to 95+13	6	178.79	119	189	67	30	0.3	13
Maeystown Rd Sub-Total =				831	329	147	1.4	66
Total =				1056	396	177	1.7	79

**Pavement Marking Schedule**

Location	Thermo Pavement Marking T-1 - Line 4" Yellow (DSY SY YSD Edge Line Lane Line Abb. SD)	Thermo Pavement Marking T-1 - Line 6" White Cross Walk (ft)	Thermo Pavement Marking T-1 - Line 12" Yellow Hatching (ft)	Thermo Pavement Marking T-1 - Line 12" White Stop Bar (ft)	Thermo Pavement Marking T-1 - L&S White (sq ft)	RRPM One Way White One Way Yellow Two Way Yellow
IL 156						
2+51 to 5+57	1224	306			38	8 1
IL 156 Sub-Total =	1224	306	38	0	38	8 1
Maeystown Rd						
IL 156 Intersection		159			35	
90+64 to 91+37	146	73			31.2	2 2
91+37 to 92+03	132	66			31.2	1 1
92+03 to 93+34	262	131			31.2	4 4
93+34 to 95+13	358	358	45			4 4
95+13 to 104+16		226	1806			
Maeystown Rd Sub-Total =	898	2361	139	45	159	7 8 11
Total =	2122	2667	38	35	94	7 8 12

**Temporary Pavement Marking Schedule**

Location	Line 4" (ft)	Line 6" (ft)	Line 12" (ft)	L&S (ft)	Temp (sq ft)	Short Term (sq ft)	Sub-Total (sq ft)
IL 156 =	1530	0	38	0	548	38	586
Maeystown Rd =	3669	159	35	93.6	1431	48	1479
Total =	5199	159	73	93.6			2065

**Removal Items**

Location	Pavement Removal (sq yds)	Curb Removal (ft)	Driveway Pavement Removal (sq yds)	Storm Sewer Removal (ft)	Inlet Removal (ea)	Sidewalk Removal (sq ft)
IL 156						
2+51 to 5+15	60					
6+50 to 7+16		66				
3+44			33			
4+24			56			
6+20						50
IL 156 Sub-Total =	60	66	89	0	0	50
Maeystown Rd						
90+27 to 92+43	143	104				
90+33 to 91+25	98	146				
91+25 to 91+93	8					
45 Degree @ Entrance	8					
46 Degree @ Entrance	8					
93+44 to 95+13	19			16	1	
90+44				35	1	
90+65						
95+19		41				
92+10						
Maeystown Rd Sub-Total =	284	250	41	51	2	0
Total =	344	316	130	51	2	50

**Drainage Schedule**

Location	Inlet T-A w/ T-3 F&G (EA)	FES 12" (EA)	SS CL A T-1 12" (FT)	RIPRAP CL A3 (SQ YD)
Maeystown Rd				
B1	1			
B1-B2			22	12.5
B2		1		
C1	1			
C1-C2			17	12.5
C2		1		
Maeystown Rd Sub-Total =	2	2	39	25

**Curb, Shoulder, Median Surface and Sidewalk Schedule**

Location	Bit. Shldr 8" (sq yds)	Comb. Conc C&G T-B 6.24 (ft)	PCC Sidewalk 4" (sq ft)	Detectable Warning (sq ft)
IL 156				
2+51 to 5+21	120		259	10
6+25 to 7+16			452	10
IL 156 Sub-Total =	120	0	711	20
Maeystown Rd				
90+27 to 91+37			122	
91+37 to 92+44	26			
90+33 to 90+99			138	
90+99 to 92+03			104	
93+34 to 95+13	80			
Maeystown Rd Sub-Total =	106	364	0	0
Total =	226	364	711	20

**Erosion Control Schedule**

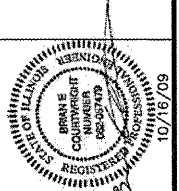
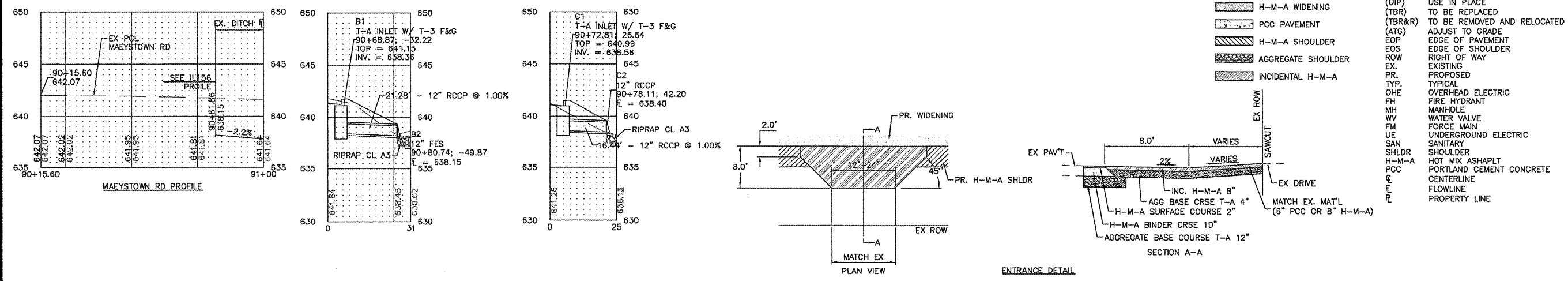
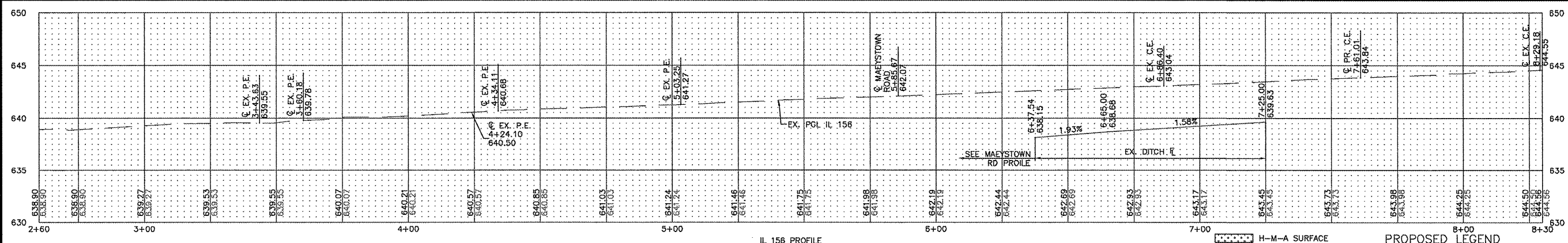
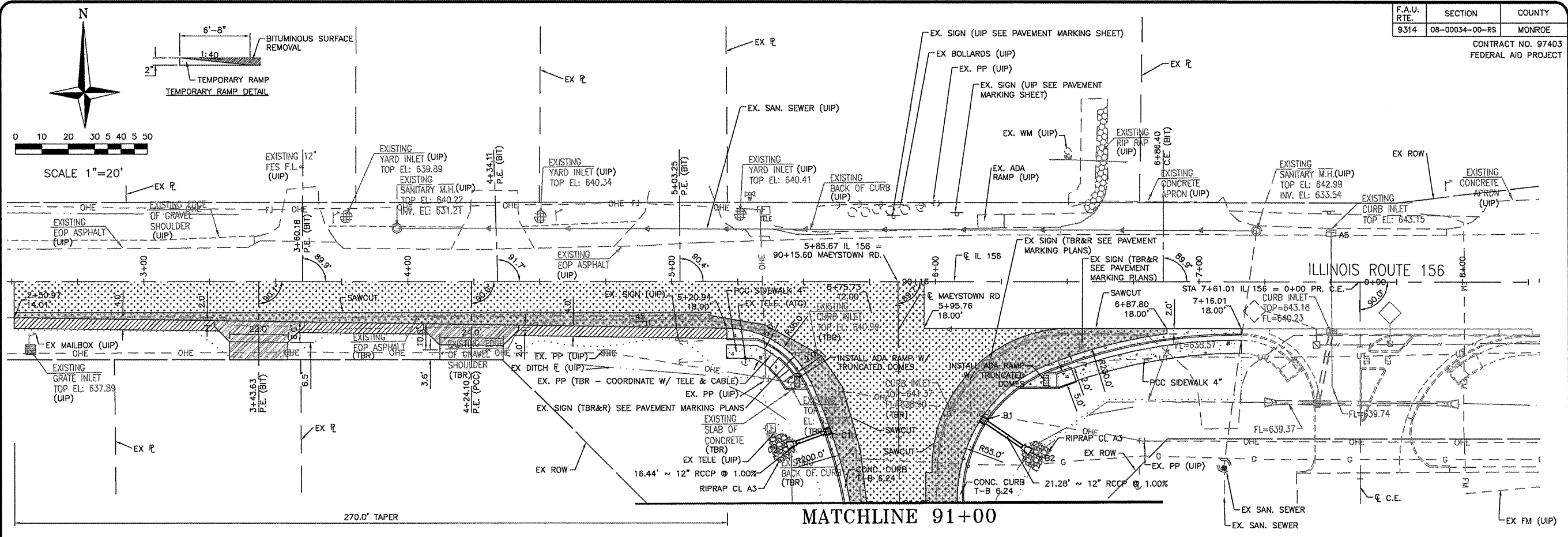
Location	Temp. Erosion Cont'l Seeding (lbs)	Seeding CL 1 (ac)	Nitrogen Fertilizer (lbs)	Phosphorus Fertilizer (lbs)	Potassium Fertilizer (lbs)	Mulch Method 2 (ac)	Erosion Cont'l Barrier (ft)	Inlet & Pipe Protection (ea)
IL 156	</							

F.A.U. RTE.	SECTION	COUNTY
9314	08-00034-00-RS	MONROE

CONTRACT NO. 97403  
FEDERAL AID PROJECT

**SHEET NO.**  
**6**

Job No. 119-06-3  
Date: 10/15/09  
Scale: 1"=20'  
Drawn by: BEC  
Design by: BEC  
Approved by: CMB  
File Name: PLN



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Traffic and Transportation Engineers

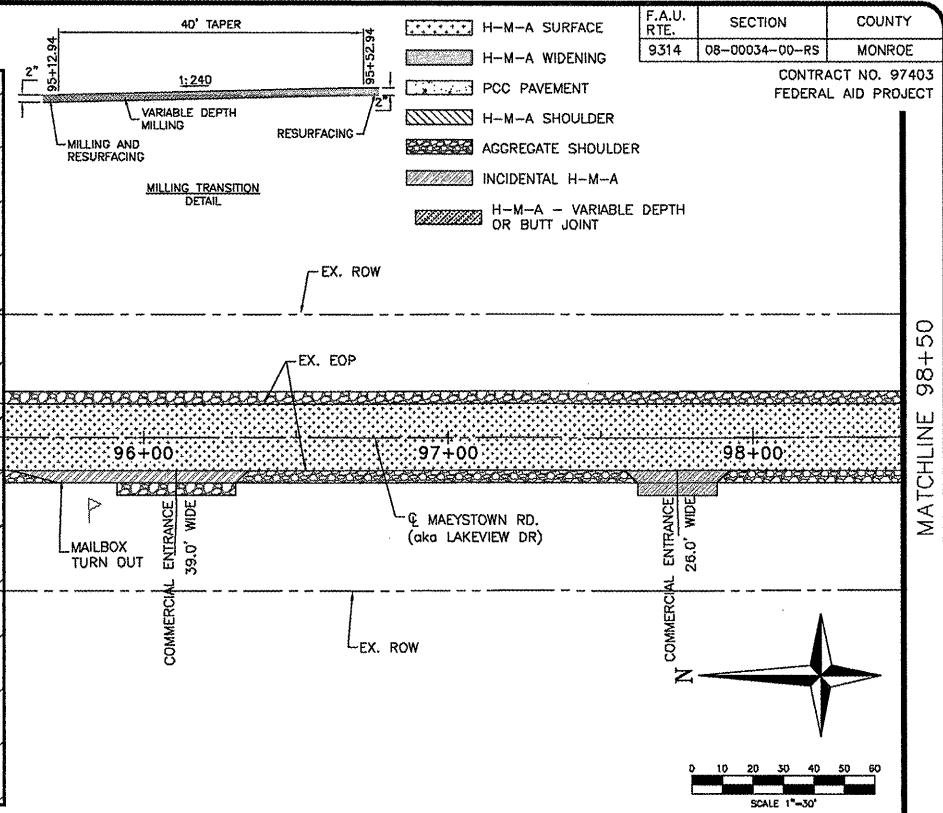
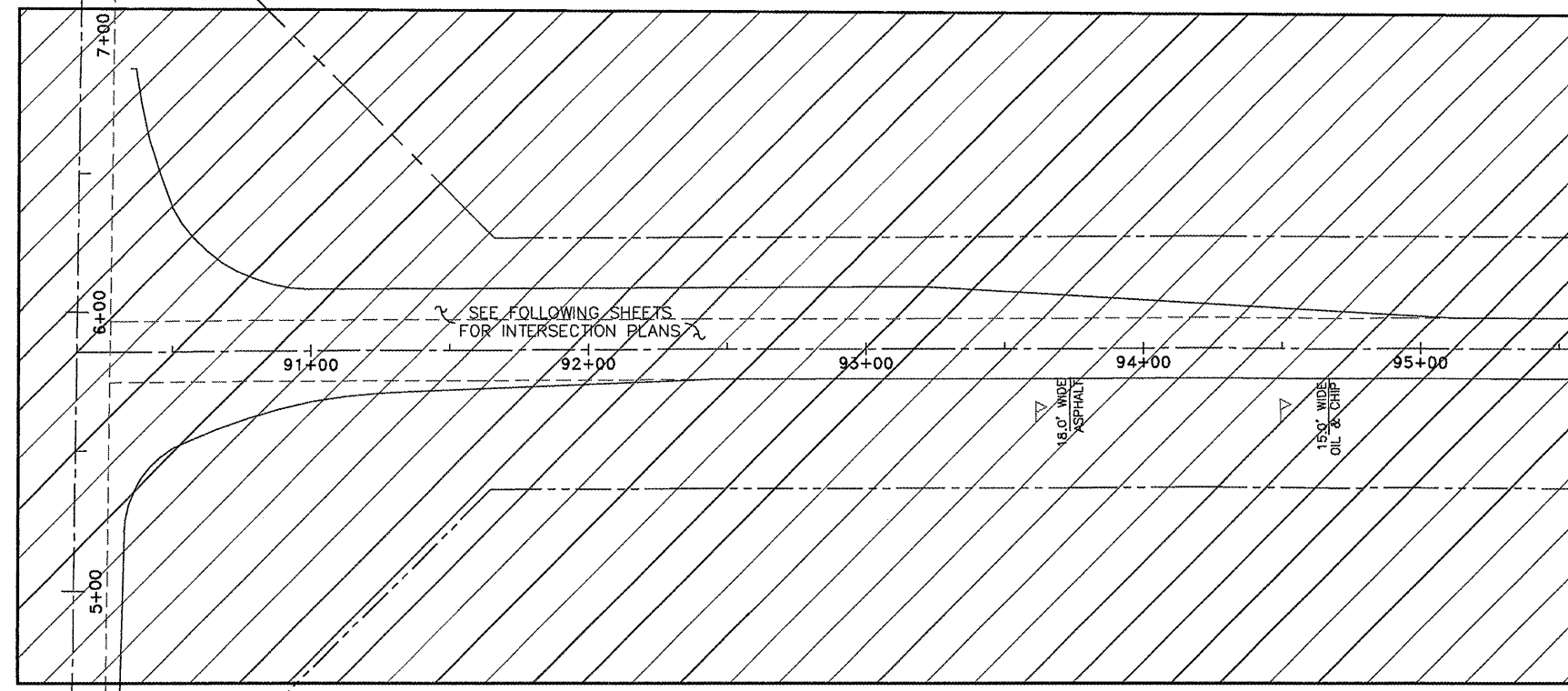
St. Louis, Missouri / Glen Carbon, Illinois  
314-878-6644 618-656-2612  
Fax: 314-878-5876 E-Mail: cbb@cbbtraffic.com

**ROADWAY PLAN / PROFILE**  
MONROE COUNTY  
IL 156 & MAEYSTOWN ROAD  
WATERLOO, ILLINOIS

**PROPOSED LEGEND**

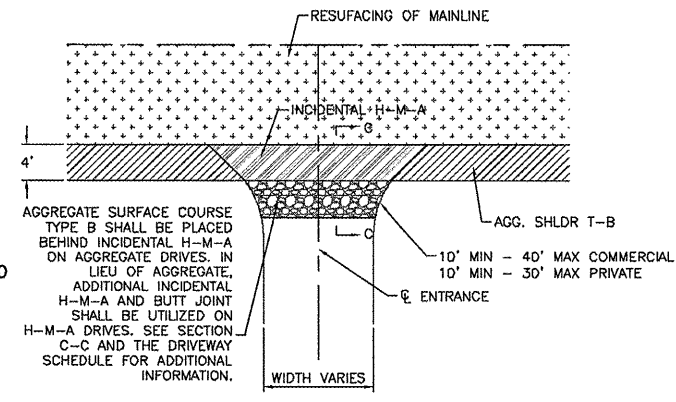
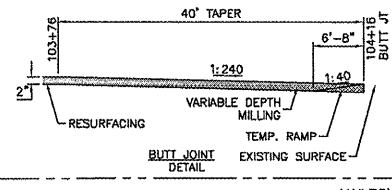
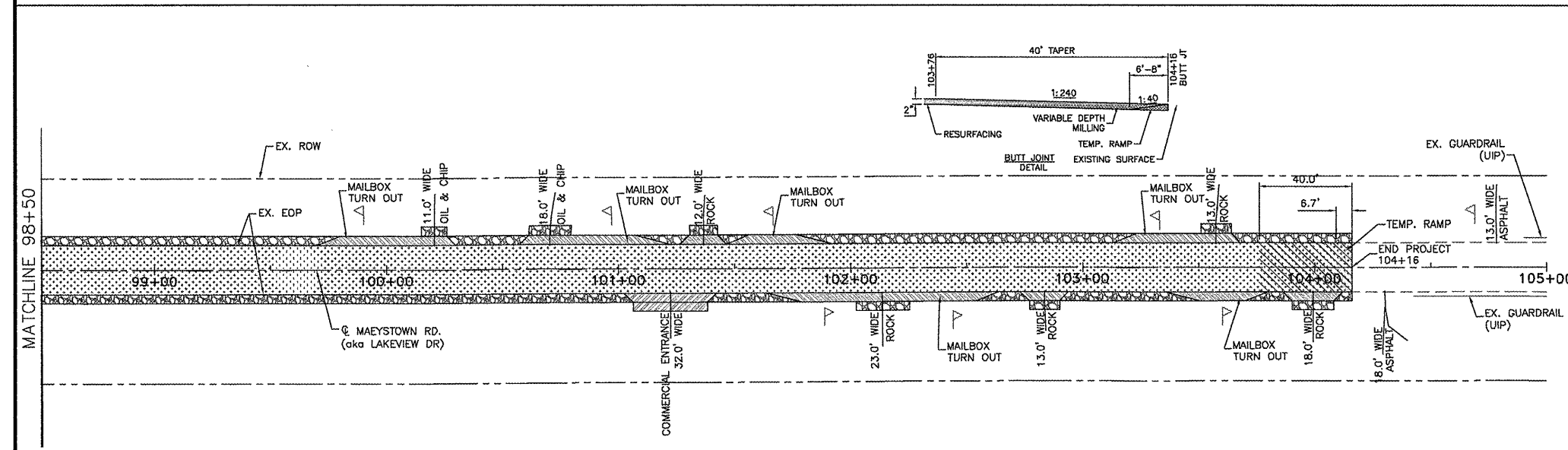
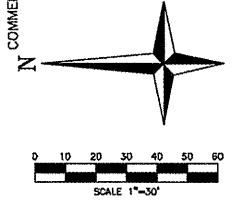
(UIP)	USE IN PLACE
(TBR)	TO BE REPLACED
(TBR&R)	TO BE REMOVED AND RELOCATED
(ATG)	ADJUST TO GRADE
EOP	EDGE OF PAVEMENT
EOS	EDGE OF SHOULDER
ROW	RIGHT OF WAY
EX.	EXISTING
PR.	PROPOSED
TYP.	TYPICAL
OHE	OVERHEAD ELECTRIC
FH	FIRE HYDRANT
MH	MANHOLE
WV	WATER VALVE
FM	FORCE MAIN
UE	UNDERGROUND ELECTRIC
SAN	SANITARY
SHLDR	SHOULDER
H-M-A	HOT MIX ASPHALT
PCC	PORTLAND CEMENT CONCRETE
CL	CENTERLINE
FL	FLOWLINE
PL	PROPERTY LINE



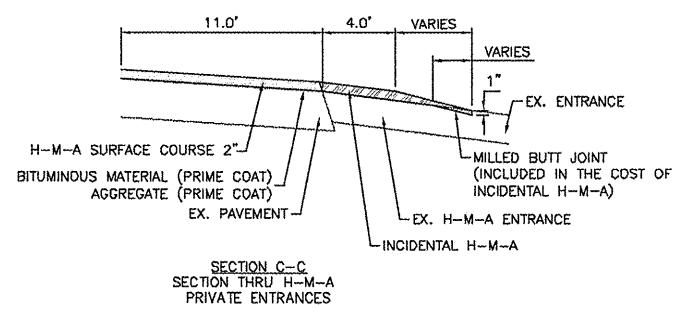


F.A.U. RTE.	SECTION	COUNTY
9314	08-00034-00-RS	MONROE
CONTRACT NO. 97403 FEDERAL AID PROJECT		

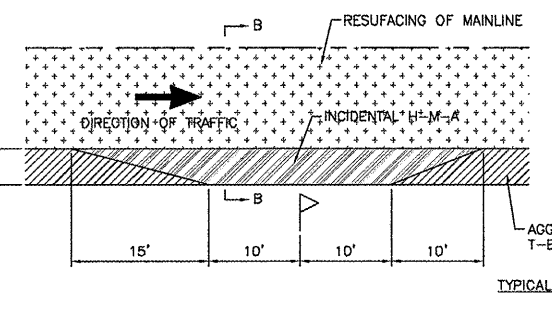
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Design by:	BEC
Approved by:	CMB
File Name:	PLN
REVISIONS	
5/27/08 RESURF IL 156	
1/30/09 REVISED SITE PLAN	
7/2/09 PLAN SPLIT	
10/20/09 SECTION C-C	



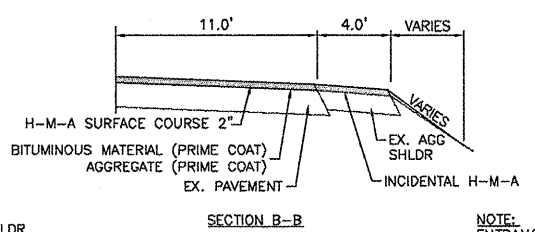
RESURFACING THRU ENTRANCES DETAIL



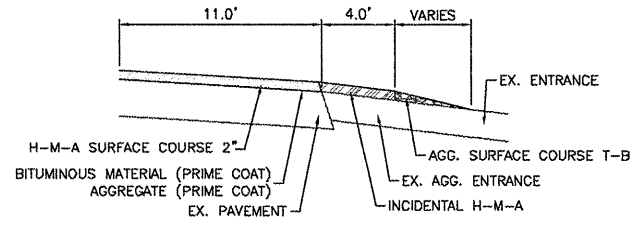
SECTION C-C SECTION THRU H-M-A PRIVATE ENTRANCES



TYPICAL MAILBOX TURNOUT DETAIL

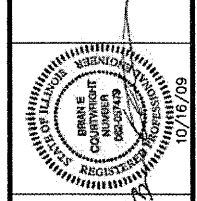


SECTION B-B



SECTION C-C SECTION THRU AGGREGATE/OIL & CHIP PRIVATE ENTRANCES

NOTE:  
ENTRANCES CAN FALL WITHIN THE LIMITS OF A MAILBOX TURNOUT AND THE DRIVEWAY PAVEMENT CAN BE UTILIZED IN THE DIMENSIONS.



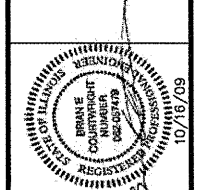
**CBB** Crawford, Bunte, Brammeier  
Traffic and Transportation Engineers  
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**ROADWAY RESURFACING SCHEMATIC**  
MONROE COUNTY  
IL 156 & MAEYSTOWN ROAD  
WATERLOO, ILLINOIS



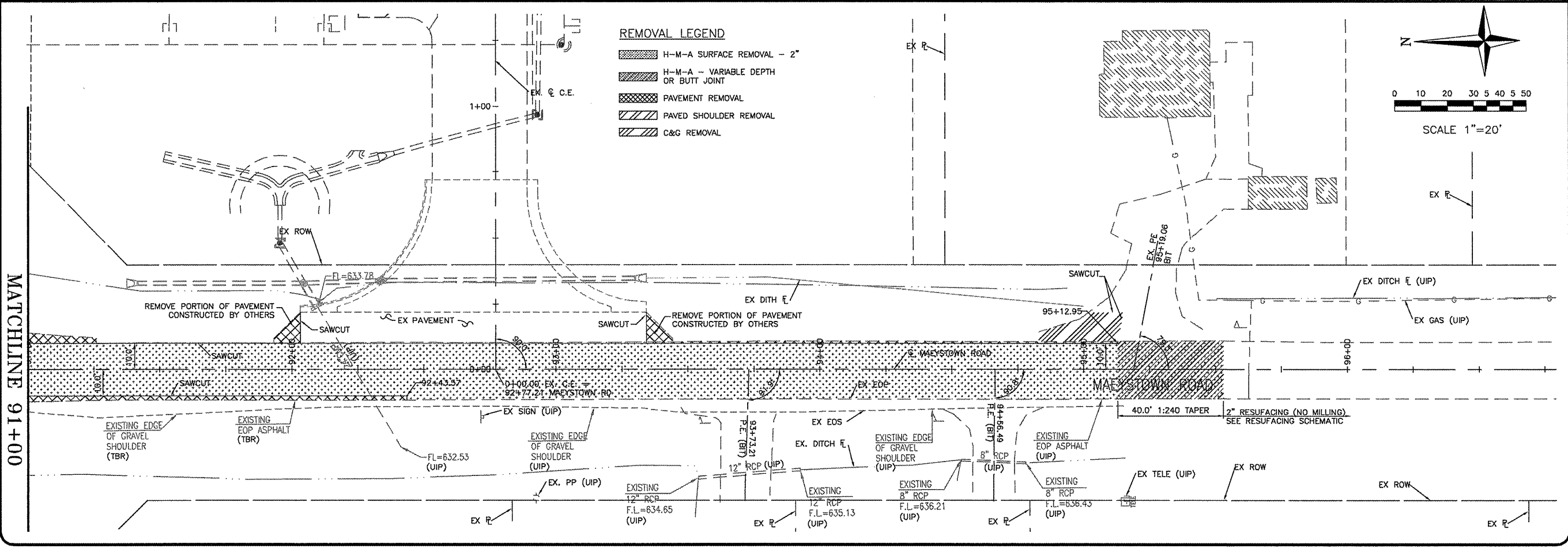
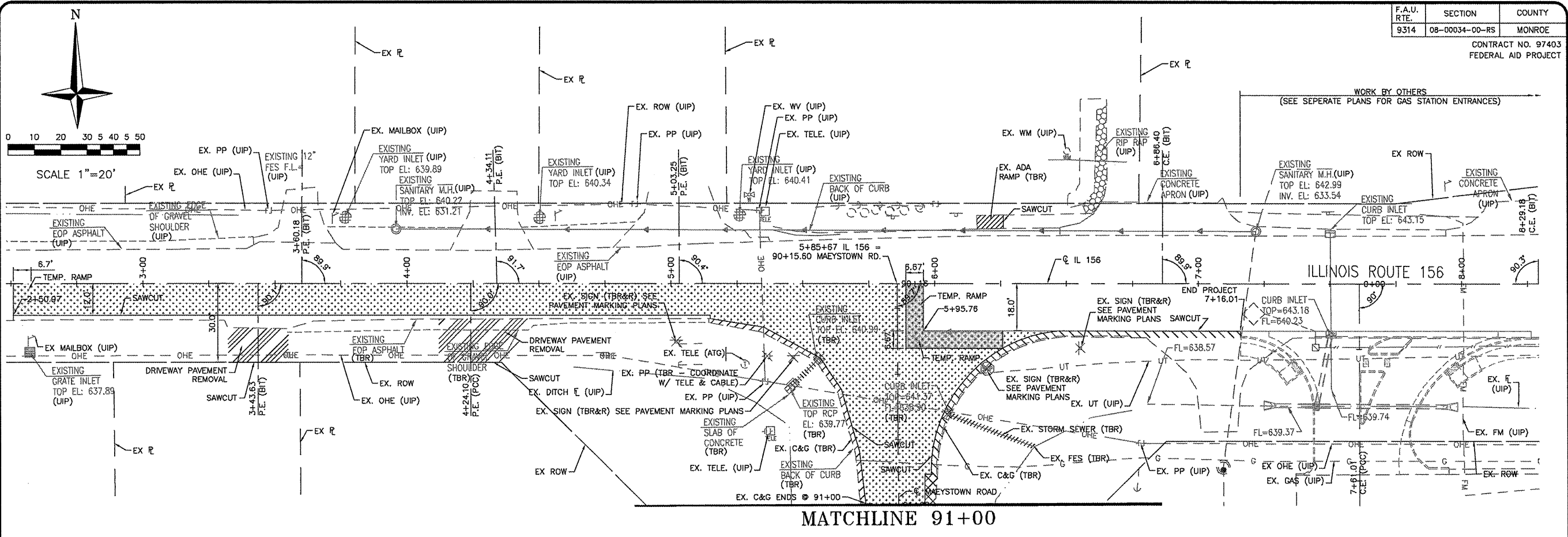
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Design by: BEC  
Approved by: CMB  
File Name: PLN

REVISIONS	DATE	DESCRIPTION
5/27/08	RESURF IL 156	
7/30/09	REVISED SITE PLAN	
7/2/09	PLAN SPLIT	



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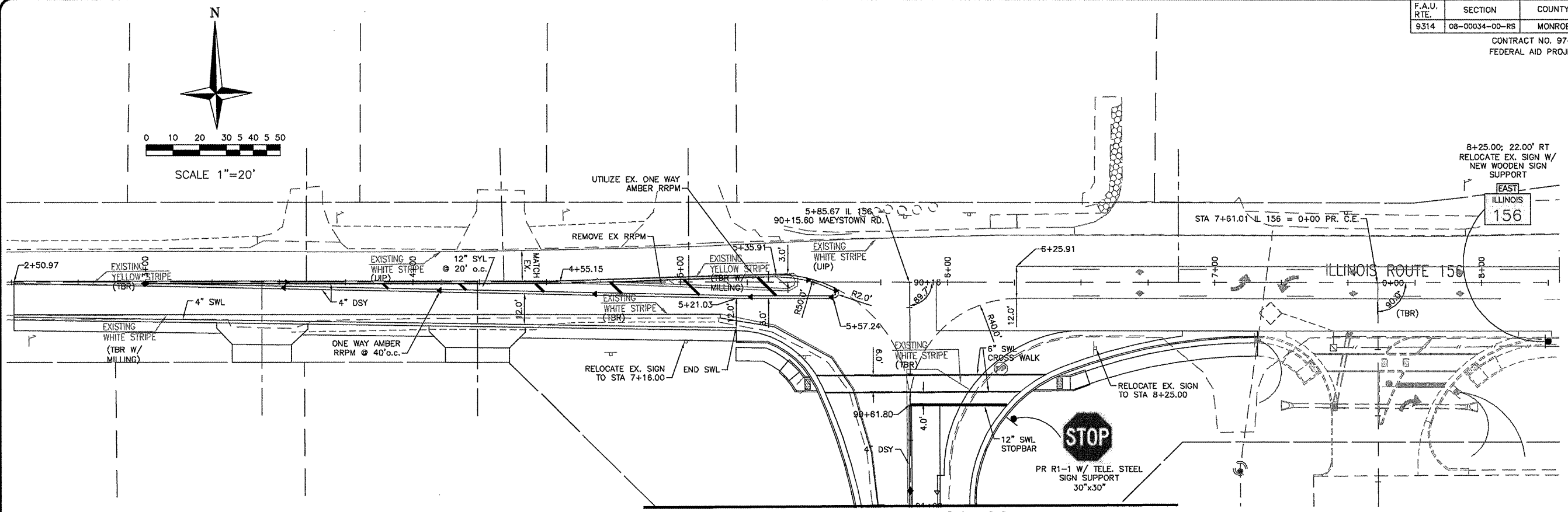
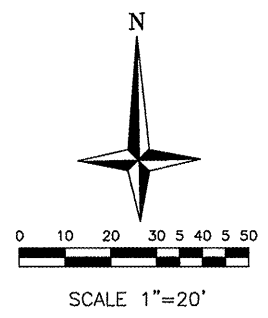
ROADWAY  
REMOVAL PLAN  
MONROE COUNTY  
IL 156 & MAEYSTOWN ROAD  
WATERLOO, ILLINOIS



MATCHLINE 91+00

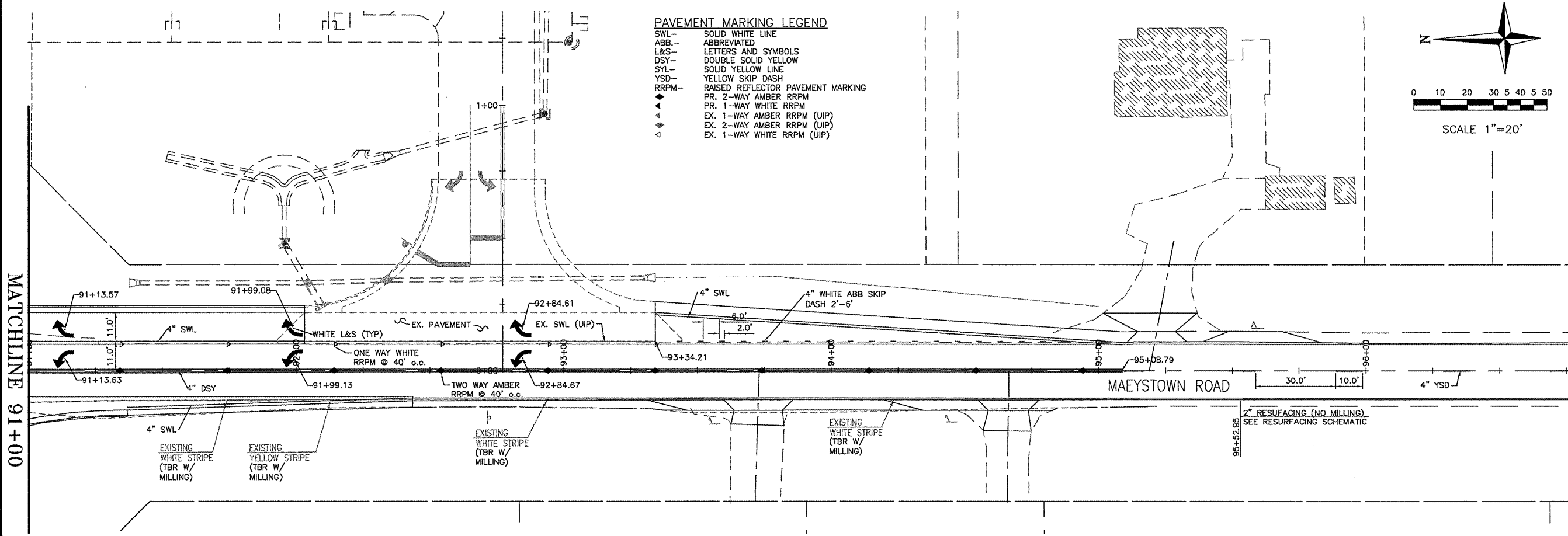
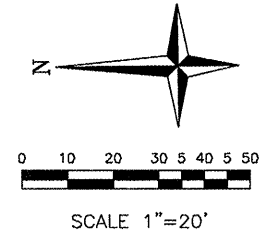
MATCHLINE 91+00

REVISIONS	DATE	DESCRIPTION
5/27/08	RESURF IL 156	
7/30/09	RESURF SITE PLAN	
7/2/09	PLAN SPLIT	
10/20/09	NO PATTERNS	



MATCHLINE 91+00

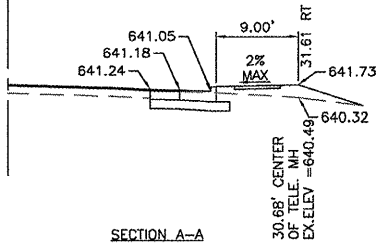
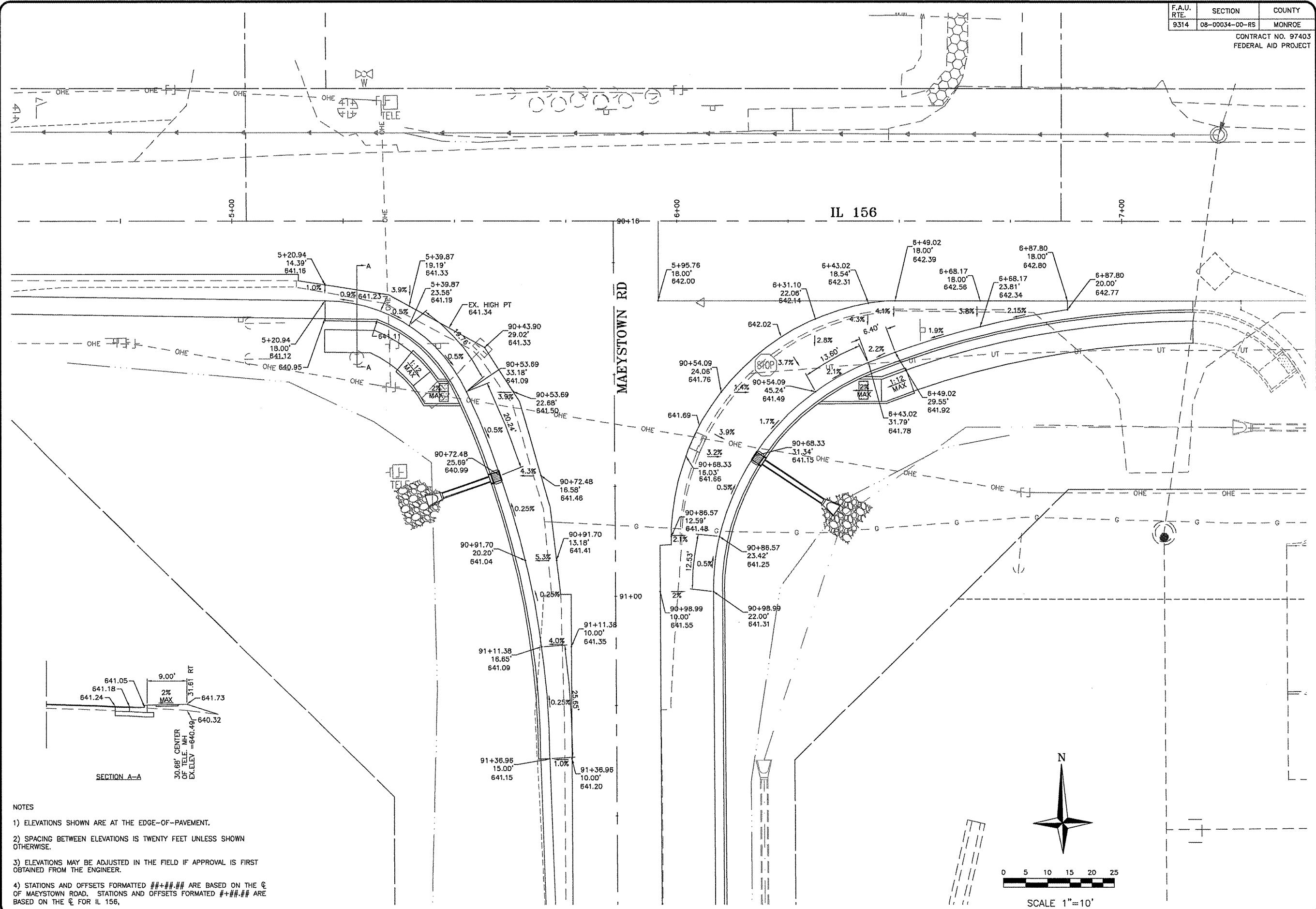
- PAVEMENT MARKING LEGEND**
- SWL- SOLID WHITE LINE
  - ABB- ABBREVIATED LETTERS AND SYMBOLS
  - DSY- DOUBLE SOLID YELLOW
  - SYL- SOLID YELLOW LINE
  - YSD- YELLOW SKIP DASH
  - RRPM- RAISED REFLECTOR PAVEMENT MARKING
  - PR. 2-WAY AMBER RRPM
  - PR. 1-WAY WHITE RRPM
  - EX. 1-WAY AMBER RRPM (UIP)
  - EX. 2-WAY AMBER RRPM (UIP)
  - EX. 1-WAY WHITE RRPM (UIP)



MATCHLINE 91+00

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Fax: 314-878-5878 E-Mail: cbb@cbtraffic.com

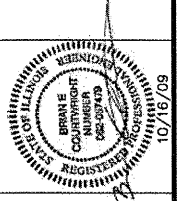
ROADWAY PAVEMENT MARKING PLAN  
MONROE COUNTY  
IL 156 & MAEYSTOWN ROAD  
WATERLOO, ILLINOIS



- NOTES
- 1) ELEVATIONS SHOWN ARE AT THE EDGE-OF-PAVEMENT.
  - 2) SPACING BETWEEN ELEVATIONS IS TWENTY FEET UNLESS SHOWN OTHERWISE.
  - 3) ELEVATIONS MAY BE ADJUSTED IN THE FIELD IF APPROVAL IS FIRST OBTAINED FROM THE ENGINEER.
  - 4) STATIONS AND OFFSETS FORMATTED ###+### ARE BASED ON THE C OF MAEYSTOWN ROAD. STATIONS AND OFFSETS FORMATTED #+### ARE BASED ON THE C FOR IL 156.

REVISIONS

5/27/08	RESURF IL 156
7/30/09	RESURF SITE PLAN
7/2/09	PLAN SPLIT



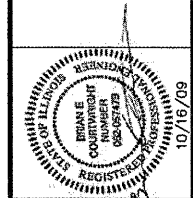
**CBB** Crawford, Bunte, Brammeier  
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ROADWAY  
INTERSECTION WARPING  
MONROE COUNTY  
IL 156 & MAEYSTOWN ROAD  
WATERLOO, ILLINOIS



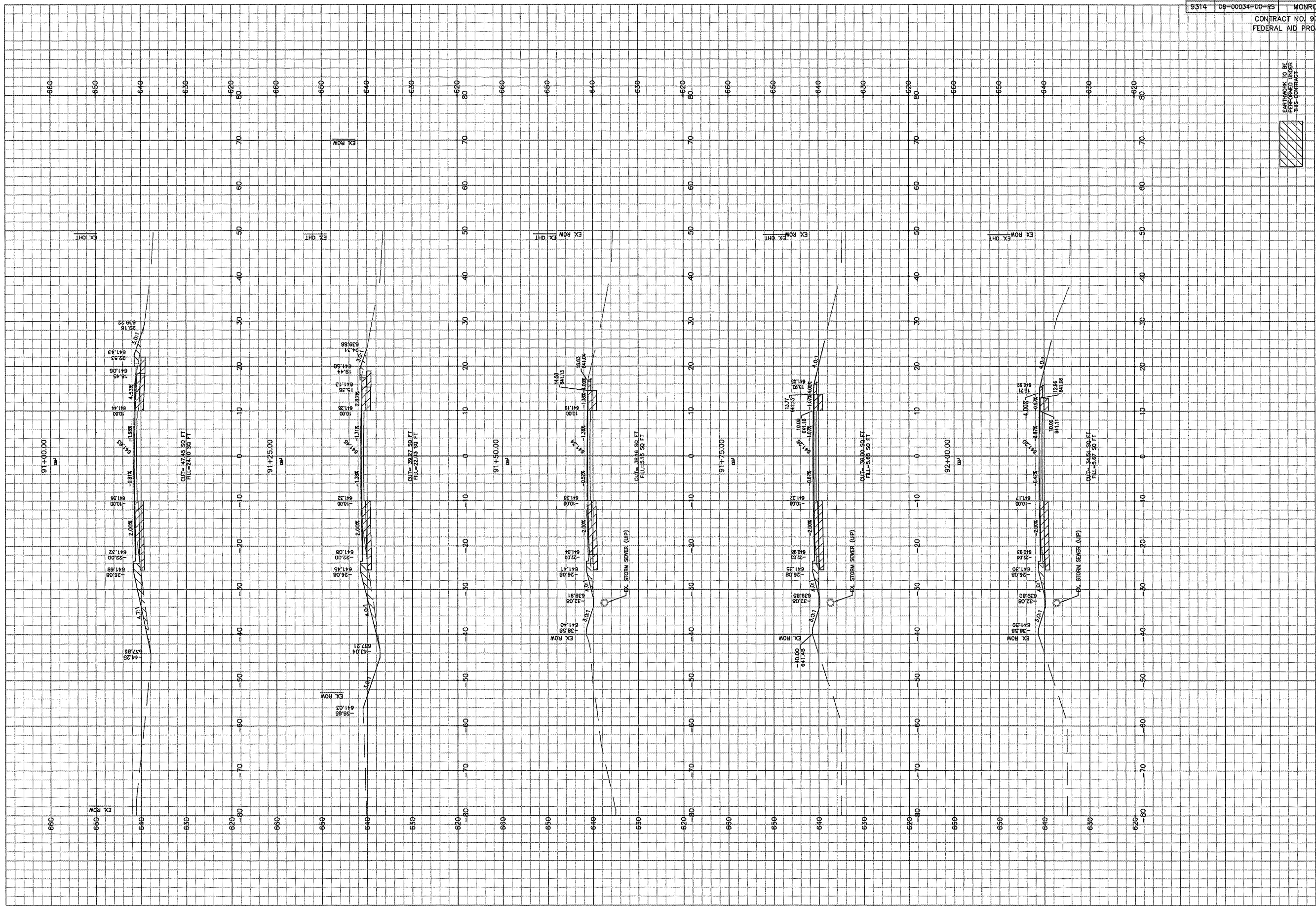
Job No. 119-06-3  
Date: 10/15/09  
Scale: 1"=10'  
Drawn by: BEC  
Design by: BEC  
Approved by: CMB  
File Name: PLN

REVISIONS
5/27/08 RESURF IL 156
7/30/09 REVISED SITE PLAN
7/2/09 PLAN SPLIT



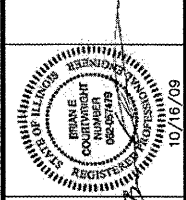
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Fax: 314-878-5876 E-Mail: cbb@cbbtraffic.com

ROADWAY  
MAEYSTOWN RD SECTIONS  
MONROE COUNTY  
IL 156 & MAEYSTOWN ROAD  
WATERLOO, ILLINOIS



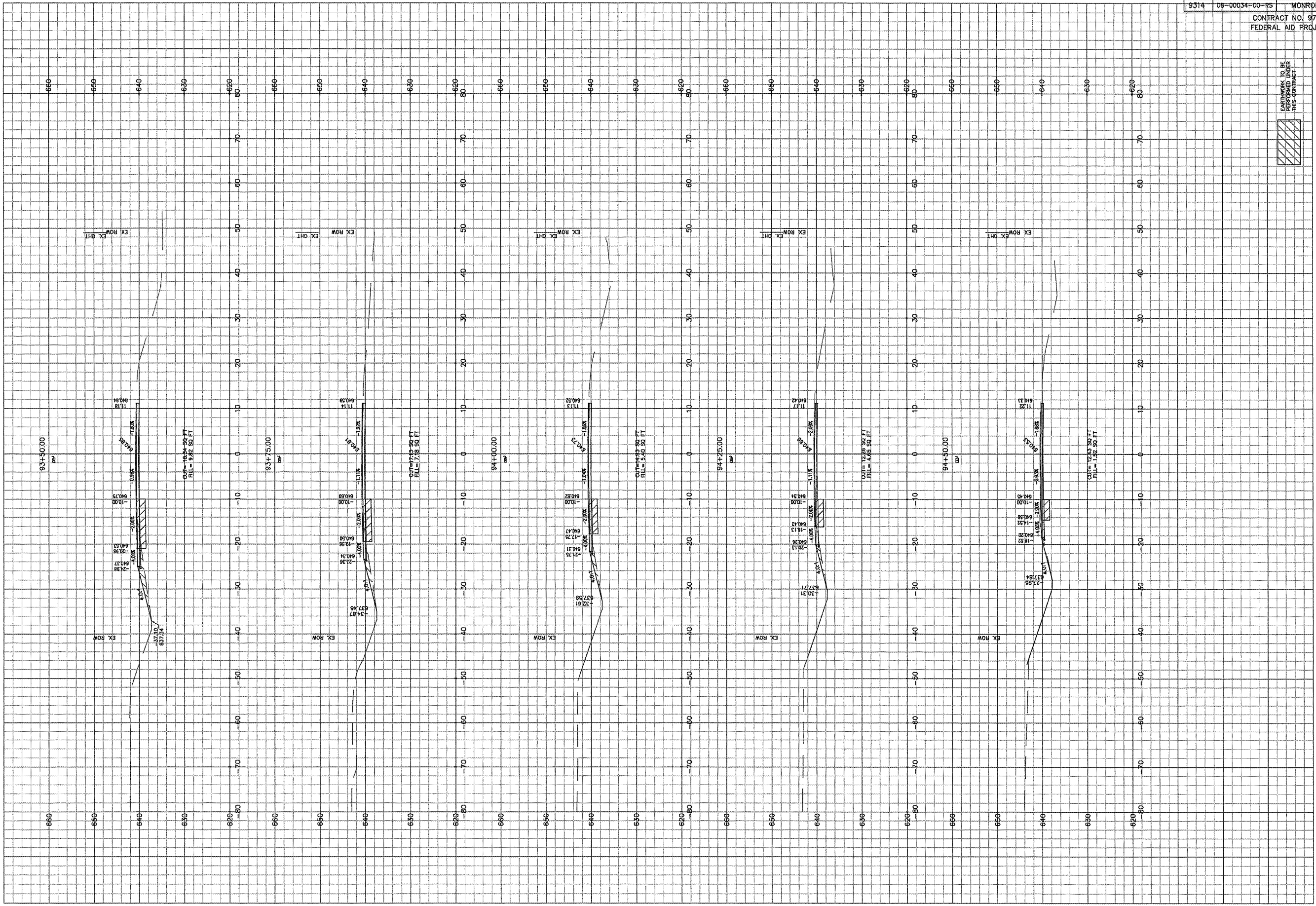


REVISIONS
5/27/08 RESURF IL 156
1/30/09 REVISED SITE PLAN
7/2/09 PLAN SPLIT



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**ROADWAY**  
**MAEYSTOWN RD SECTIONS**  
MONROE COUNTY  
IL 156 & MAEYSTOWN ROAD  
WATERLOO, ILLINOIS



EARTHWORK TO BE PERFORMED UNDER THIS CONTRACT

F.A.U. RTE.	SECTION	COUNTY
8314	08-00034-00-ES	MONROE
CONTRACT NO. 97403 FEDERAL AID PROJECT		

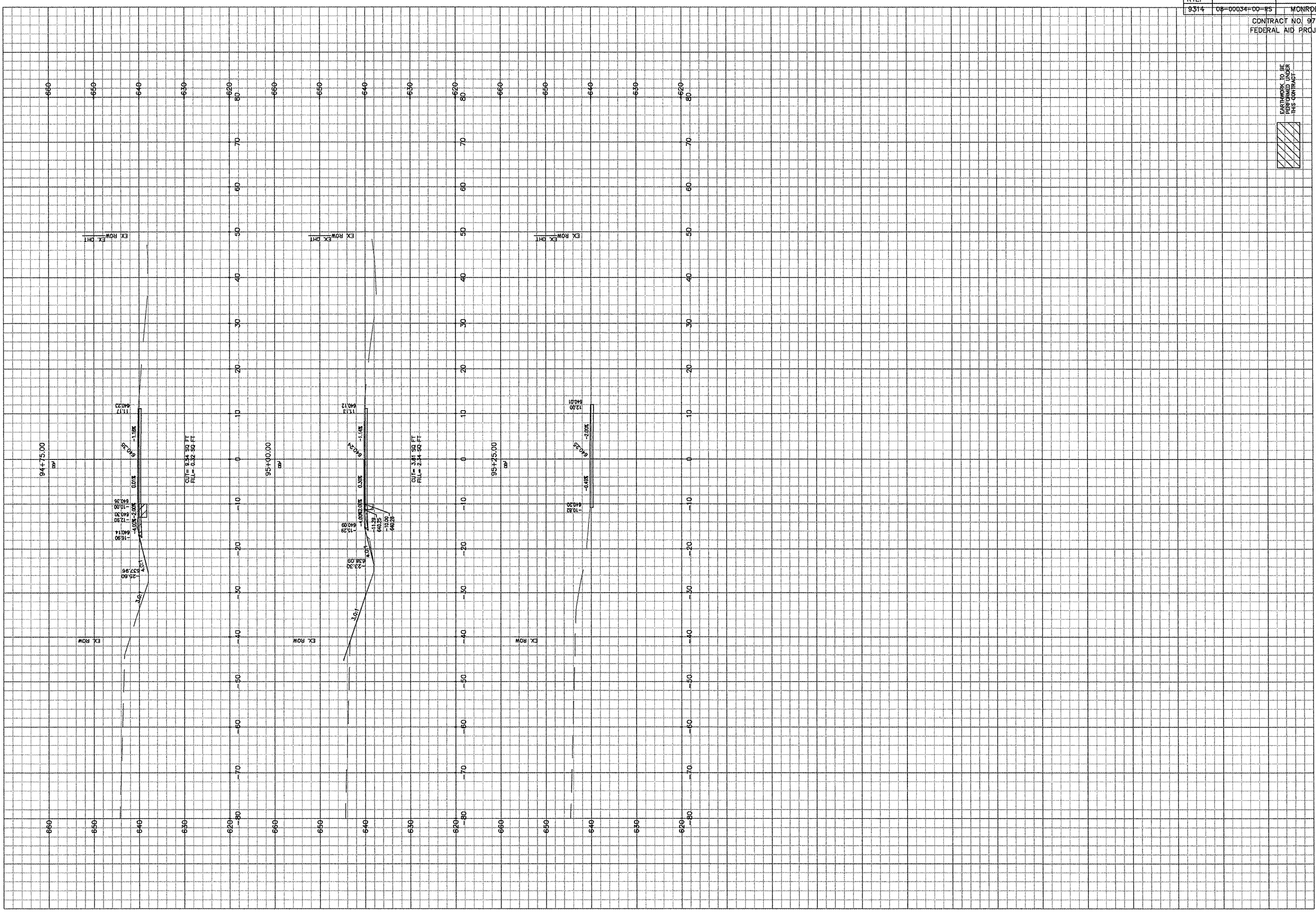
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**16**

Job No. 119-08-3  
Date: 10/15/09  
Scale: 1"=10'  
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Design by: BEC  
Approved by: CMB  
File Name: PLN

REVISIONS
5/27/08 RESURF IL 156
1/30/09 RESURF SITE PLAN
7/2/09 PLAN SPLIT

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ROADWAY  
MAEYSTOWN RD SECTIONS  
MONROE COUNTY  
IL 156 & MAEYSTOWN ROAD  
WATERLOO, ILLINOIS

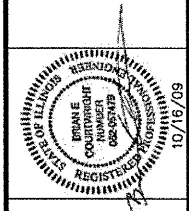


EXISTING  
ROADWAY  
TO BE  
RESURFACED  
THIS CONTRACT



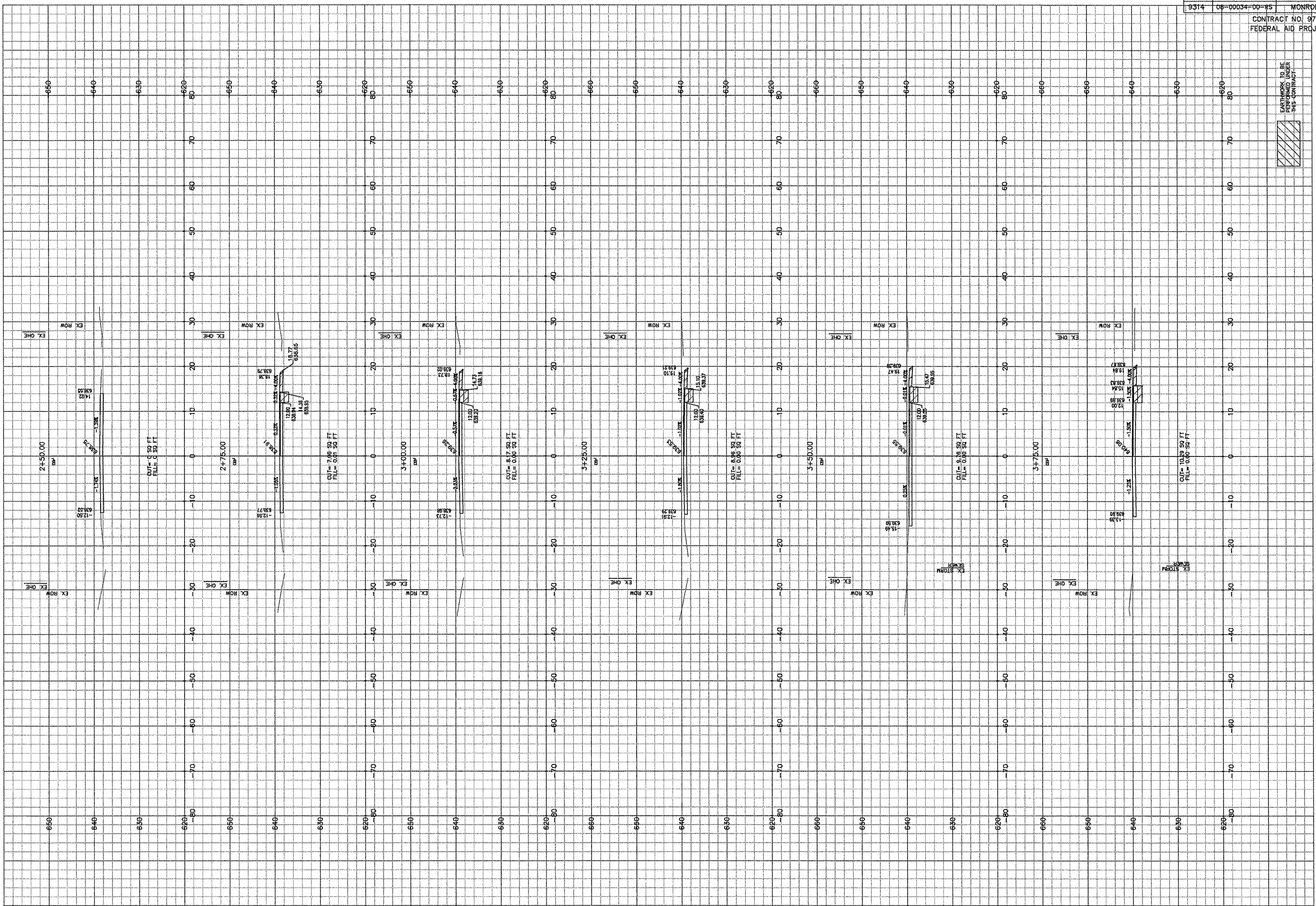
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REVISIONS	
5/27/08	RESURF IL 156
1/30/09	RESURF SITE PLAN
7/2/09	PLAN SPLIT

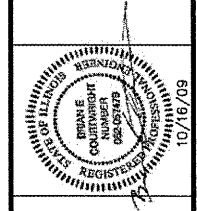


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314-878-6644 618-656-2612  
Fax: 314-878-5876 E-Mail: cbb@cbttraffic.com

**ROADWAY**  
**IL 156 SECTIONS**  
MONROE COUNTY  
IL 156 & MAYSTOWN ROAD  
WATERLOO, ILLINOIS

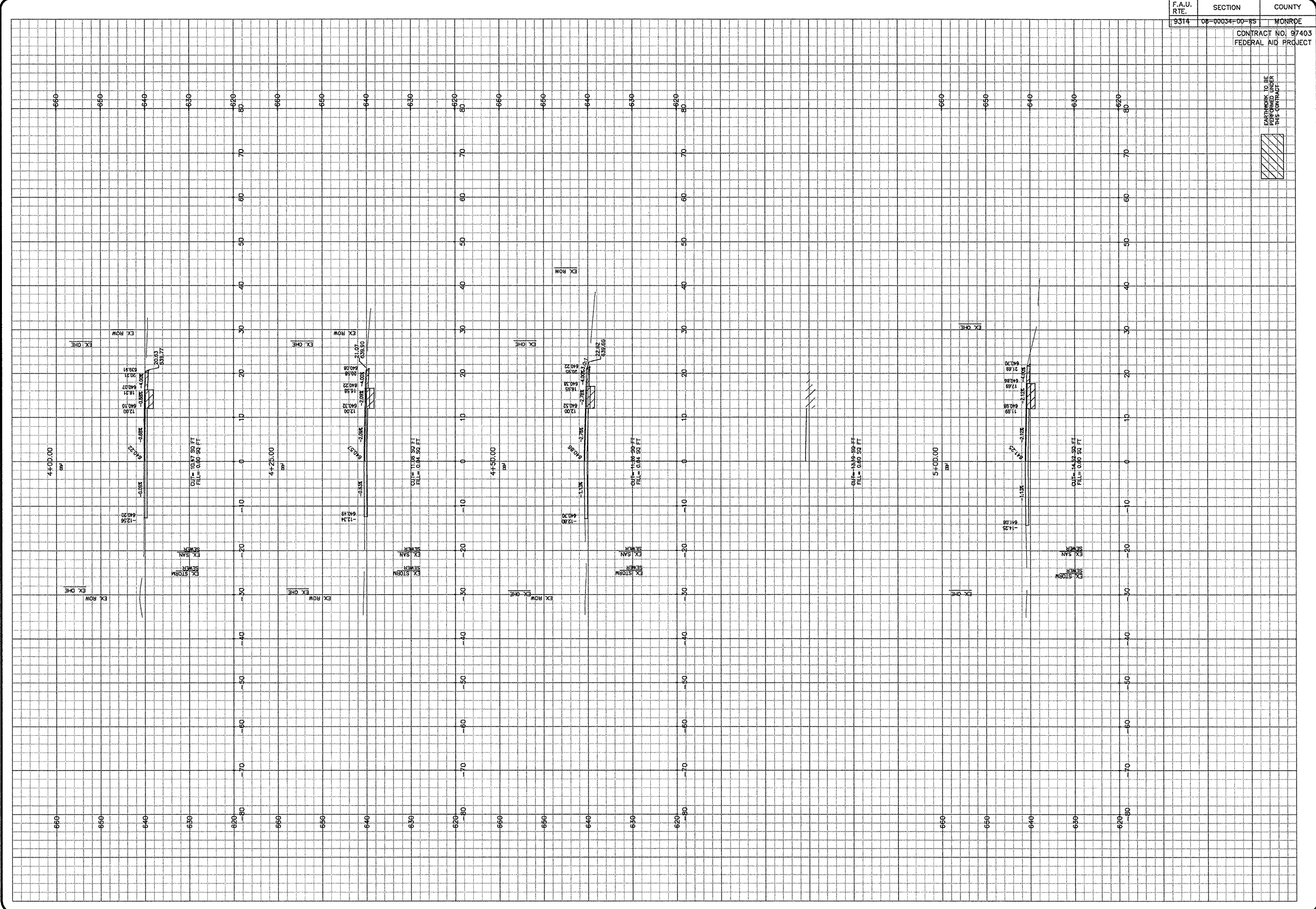


REVISIONS
5/27/08 RESURF IL 156
7/30/09 RESURF SITE PLAN
7/2/09 PLAN SPLIT



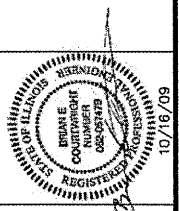
**CBB** Crawford, Bunte, Brammeier  
Traffic and Transportation Engineers  
St. Louis, Missouri / Glen Carbon, Illinois  
314-878-6644 618-656-2612  
Fax: 314-878-5876 E-Mail: cbb@cbtraff.com

ROADWAY  
IL 156 SECTIONS  
MONROE COUNTY  
IL 156 & MARYSTOWN ROAD  
WATERLOO, ILLINOIS



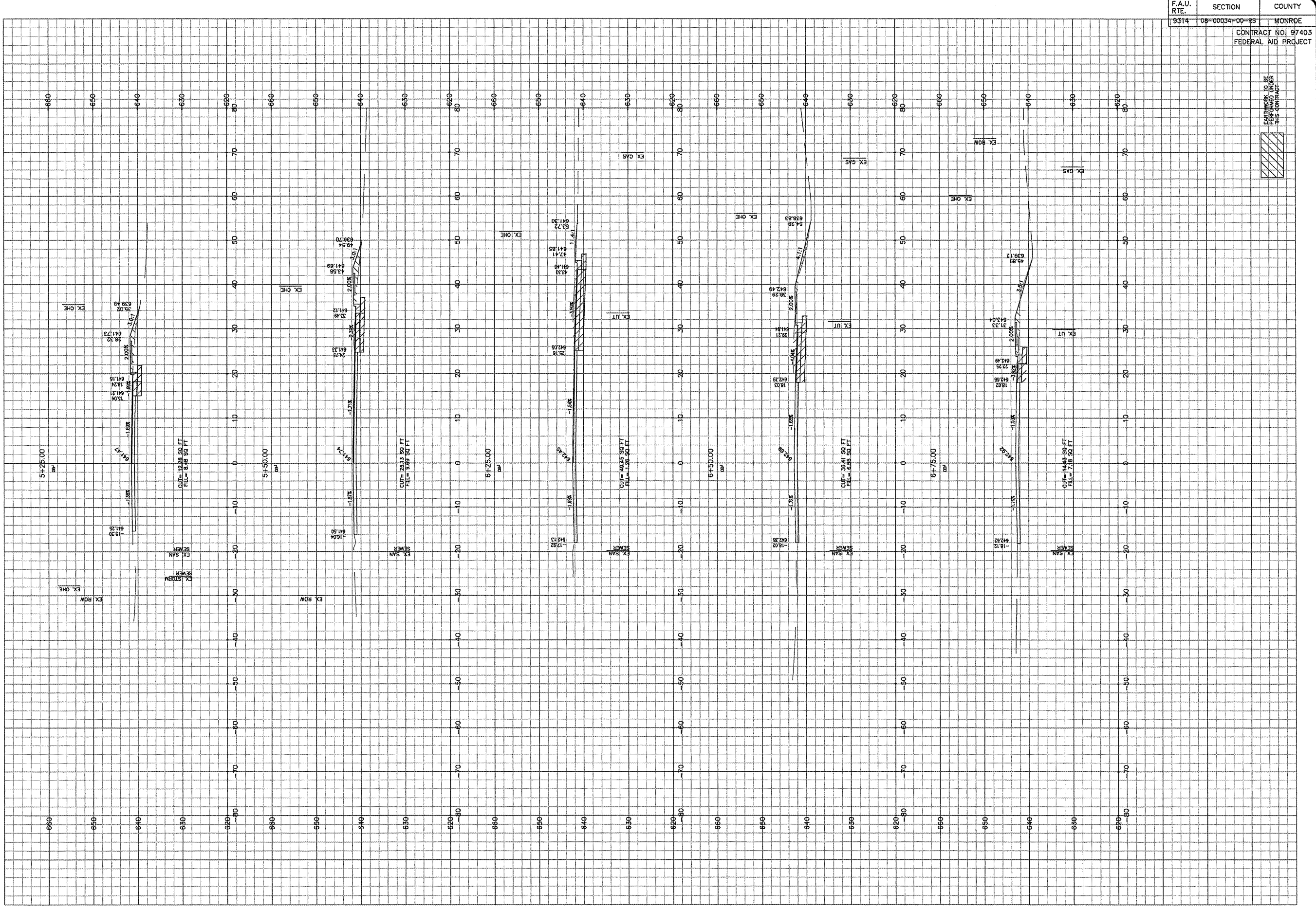
**REVISIONS**

5/27/08 RESURF IL 156
1/30/09 RESURF SITE PLAN
7/2/09 PLAN SPLIT



**CBB** Crawford, Bunte, Brammeier  
Traffic and Transportation Engineers  
St. Louis, Missouri / Glen Carbon, Illinois  
314-878-6644 618-656-2612  
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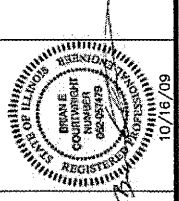
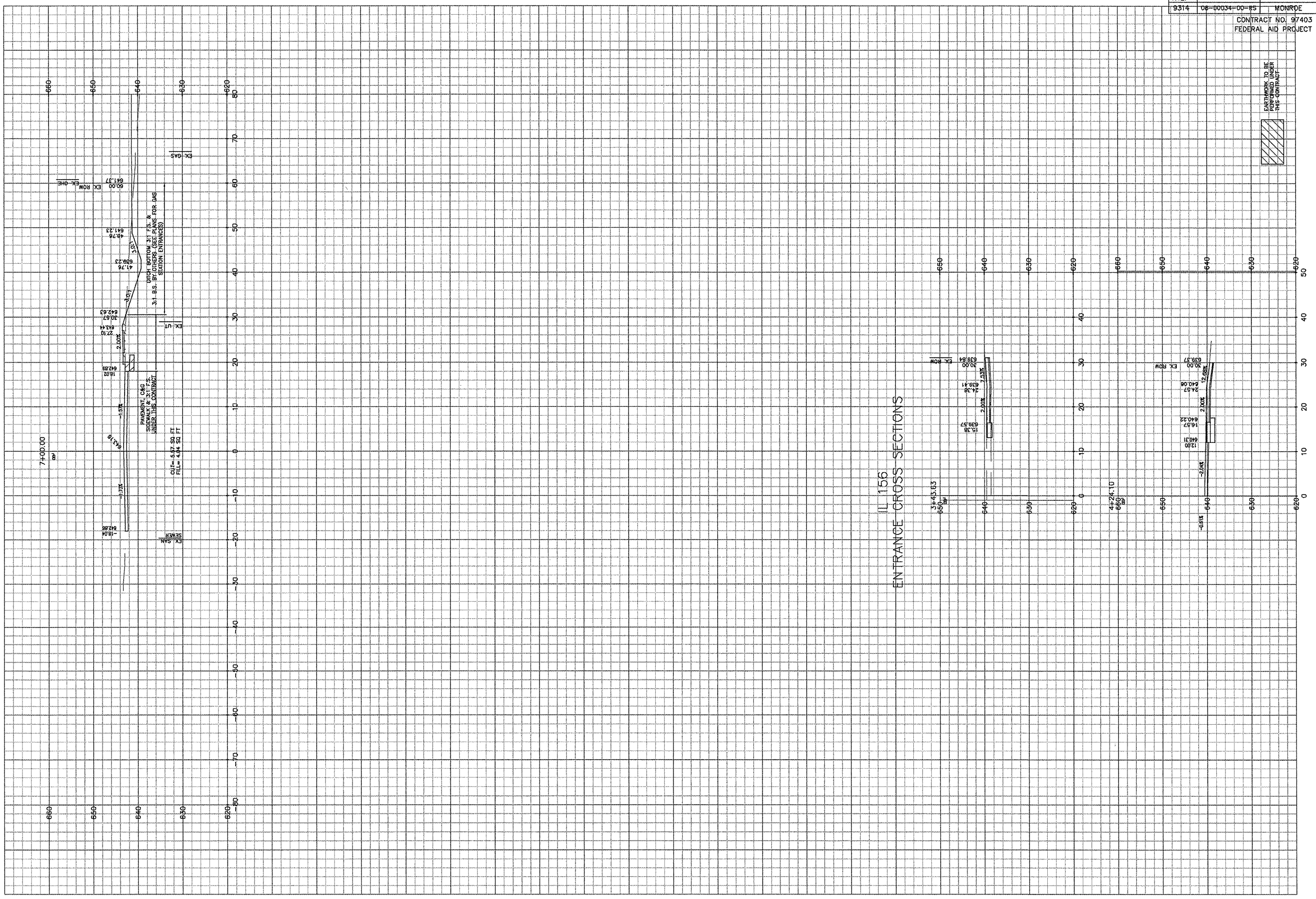
**ROADWAY**  
**IL 156 SECTIONS**  
MONROE COUNTY  
IL 156 & MAEYSTOWN ROAD  
WATERLOO, ILLINOIS



EARTHWORK TO BE SHOWN WITH HATCHING PER THIS CONTRACT

F.A.U. RTE.	SECTION	COUNTY
9314	08-00034-00-RS	MONROE
CONTRACT NO. 97403 FEDERAL AID PROJECT		

SHEET NO. <b>20</b>	
Job No.	119-08-3
Date:	10/15/09
Scale:	1"=10'
Drawn by:	BEC
Design by:	BEC
Approved by:	CMB
File Name:	PLN
REVISIONS	
5/27/08 RESURF IL 156	
7/30/09 RESURF SITE PLAN	
7/2/09 PLAN SPLIT	



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ROADWAY  
IL 156 SECTIONS  
MONROE COUNTY  
IL 156 & MAEYSTOWN ROAD  
WATERLOO, ILLINOIS