

FOR INDEX OF SHEETS AND HIGHWAY STANDARDS, SEE SHEET NO. 2

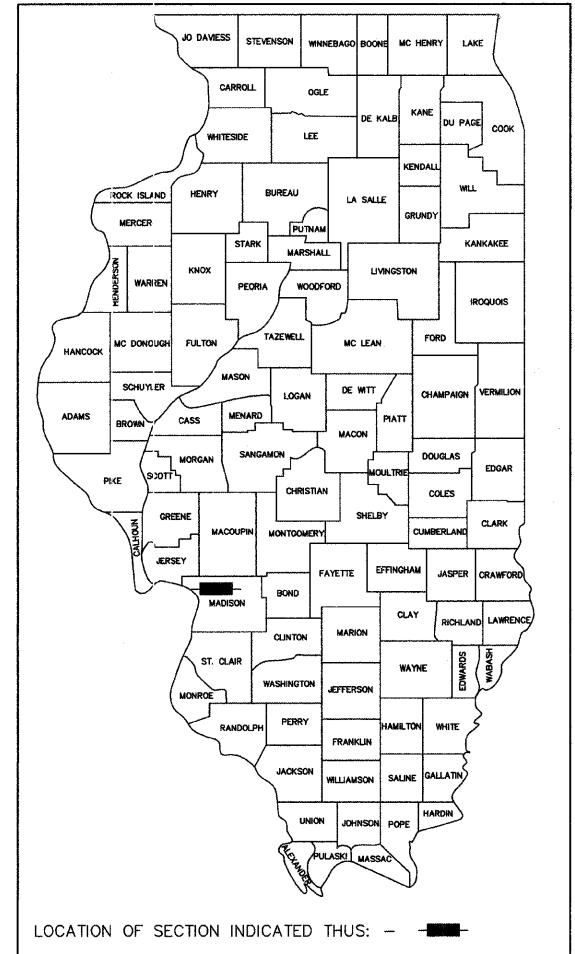
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL AID HIGHWAY VILLAGE OF BETHALTO

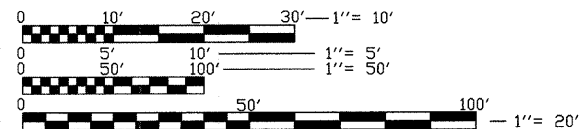
FAU ROUTE 8959
WEST CORBIN STREET (PHASE 2)
SECTION 05-00016-03-BR
PROJECT NO. HPP-0863 (003)
MADISON COUNTY
C-98-365-06

FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
05-00016-03-BR		MADISON	129	1

FEDERAL AID PROJECT
CONTRACT NUMBER 97351



MICROFILMED _____
REEL NUMBER _____
AWARDED _____
RESIDENT ENGINEER _____
AS BUILT CHANGES WERE MADE
ON THE FOLLOWING SHEETS

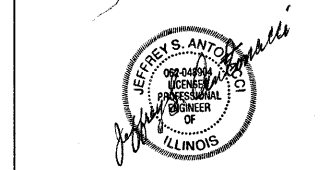
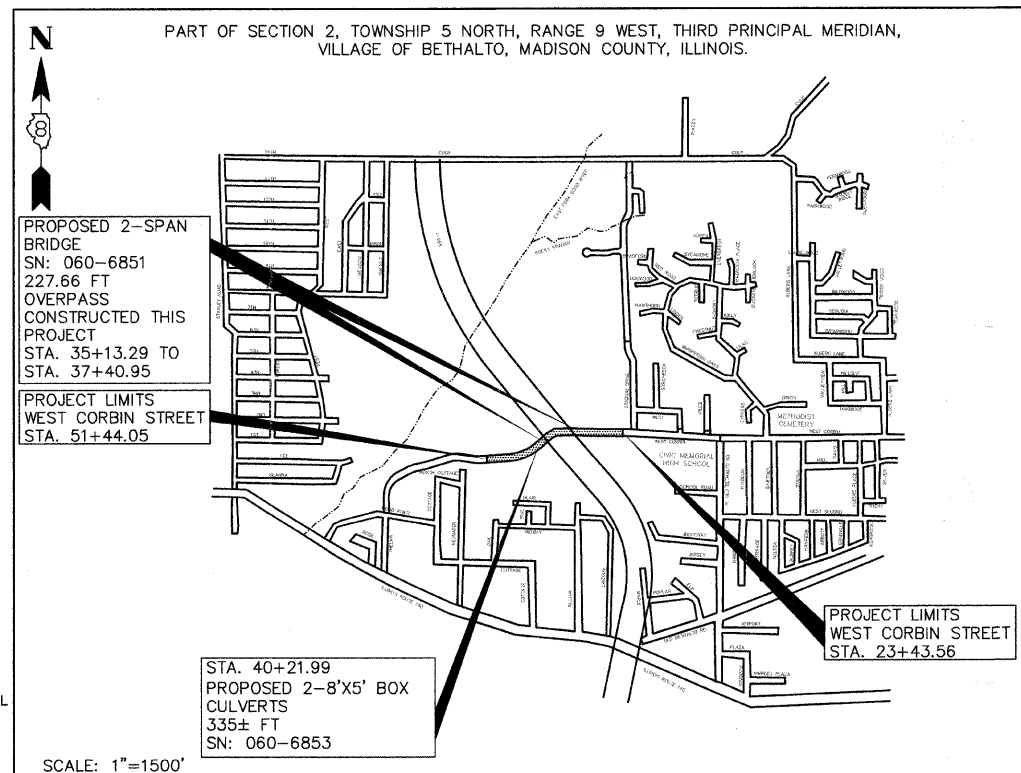


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION (J.U.L.I.E.)
CALL TOLL FREE 1-800-892-0123

CONTRACT NO. 97351

DESIGN DESIGNATION
FUNCTIONAL CLASSIFICATION = ARTERIAL
DESIGN TRAFFIC = 4800 (2028)
DESIGN SPEED = 35



DATE: 9/17/08
LICENSE EXP. 11/30/09

GROSS LENGTH OF PROJECT
WEST CORBIN ST. = 2800.49' (0.530 MI)
NET LENGTH = 2800.49' (0.530 MI)

ILLINOIS DEPARTMENT OF TRANSPORTATION

Approved: Steve A. Bryant
SEP 17 2008
Steven Bryant, Mayor

Passed: 9/19/08
[Signature]
District 8 Engineer of Local Roads & Streets

Releasing for Bid Based on Limited Review: 9/19/09
[Signature]
Deputy Director of Highways, Region #5 Engineer

Hoelscher Engineering, P.C.
11 Executive Drive, Suite 12
Fairview Heights, Illinois 62208
(618)624-8610 FAX: (618)624-8611

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FAU ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00016-03-BR	MADISON	129	2
STA.	TO STA.			
CONTRACT NO.: 97351				

INDEX OF SHEETS

SHEET NO.	SHEET TITLE
1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS AND GENERAL NOTES
3	SUMMARY OF QUANTITIES
4	EXISTING & PROPOSED TYPICAL SECTIONS
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27	TRAFFIC CONTROL
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45	WETLAND PLANS
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83-87	CULVERT DETAILS
88-129	CROSS SECTIONS--WEST CORBIN STREET

LIST OF ILLINOIS DOT HIGHWAY STANDARDS

STANDARD NO.	STANDARD TITLE
000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT REBARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-04	TEMPORARY EROSION CONTROL SYSTEMS
420101-04	24' JOINTED PCC PAVEMENT
420401-07	BRIDGE APPROACH PAVEMENT
424001-05	CURB RAMPS FOR SIDEWALKS
515001-03	NAME PLATE FOR BRIDGES
542301-02	PRECAST REINFORCED CONCRETE FLARED END SECTION
542311-01	GRATING FOR CONCRETE FLARED END SECTION (FOR 600mm (24") THRU 1350mm (54") PIPE)
602301-02	INLET - TYPE A
602306-02	INLET - TYPE B
602401-02	MANHOLE TYPE A
602701-02	MANHOLE STEPS
604001-03	FRAME AND LIDS TYPE 1
604006-04	FRAME AND GRATE TYPE 3
604011-04	FRAME AND GRATE TYPE 3V
604036-02	GRATE TYPE 8
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606101-04	TYPE A GUTTER (INLET, OUTLET & ENTRANCE)
609006-04	BRIDGE APPROACH PAVEMENT (DRAIN DETAIL)
630001-03	STEEL PLATE BEAM GUARDRAIL
631011-05	TRAFFIC BARRIER TERMINAL, TYPE 2
631032-04	TRAFFIC BARRIER TERMINAL, TYPE 6A
665001-02	WOVEN WIRE FENCE
701400-03	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-05	LANE CLOSURE, FREEWAY/EXPRESSWAY
701901-01	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-02	SIGN PANEL ERECTION DETAILS
720011-01	METAL POST FOR SIGNS, MARKERS & DELINEATORS
B.L.R. 10-6	PCC PAVEMENT SPECIAL
B.R.R. 21-3	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
2. THE CONTRACTOR SHALL PROTECT UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE FOLLOWING UTILITIES ARE LOCATED WITHIN THE LIMITS OF THIS PROJECT:

AMEREN IP (GAS) 1050 WEST BLVD. BELLEVILLE, ILLINOIS 62221 (800) 755-5000	AMEREN IP (ELECTRIC) 1050 WEST BLVD. BELLEVILLE, ILLINOIS 62221 (800) 755-5000
VILLAGE OF BETHALTO (SEWER) 101 SOUTH PRAIRIE ST. BETHALTO, IL 62010 (618) 377-8723	AT&T (TELEPHONE) 203 GOETHE ST. COLLINSVILLE, ILLINOIS 62234 (618) 346-6490
VILLAGE OF BETHALTO (WATER) 101 SOUTH PRAIRIE ST. BETHALTO, IL 62010 (618) 377-8723	CHARTER COMMUNICATIONS (CABLE) 210 DIVISION ST. MARYVILLE, IL 62062 (888) 438-2427
J.U.L.I.E. 1-800-892-0123	

IT IS UNDERSTOOD AND AGREED THAT THE CONTRACTOR HAS TAKEN THE FOREGOING INTO CONSIDERATION IN SUBMITTING HIS BID, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ANY DELAYS OR INCONVENIENCES CAUSED BY THE SAME.

THE INFORMATION AND DATA SHOWN OR INDICATED ON THESE IMPROVEMENT PLANS WITH RESPECT TO EXISTING UNDERGROUND FACILITIES AND UTILITIES AT OR CONTIGUOUS TO THE SITE IS BASED ON INFORMATION AND DATA FURNISHED BY THE OWNERS OF SUCH UNDERGROUND FACILITIES AND UTILITIES OR BY OTHERS. FIELD MARKINGS OF FACILITIES IN CRITICAL AREAS MAY BE OBTAINED BY PROVIDING A MINIMUM OF 96 HOURS ADVANCE NOTICE TO THE RESIDENT ENGINEER SO THAT UTILITIES CAN BE GIVEN NOTICE. NO GUARANTEE IS IMPLIED AS TO THE ACCURACY OR COMPLETENESS OF ANY SUCH INFORMATION OR DATA; AND CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR (i) REVIEWING AND CHECKING ALL SUCH INFORMATION AND DATA, (ii) VERIFYING IF ANY CONFLICTS EXIST WITH THE PROPOSED WORKED AND UNDERGROUND FACILITIES AND UTILITIES SHOWN OR INDICATED ON THE IMPROVEMENT PLANS; (iii) COORDINATION OF THE WORK WITH THE OWNERS OF SUCH UNDERGROUND FACILITIES AND UTILITIES DURING CONSTRUCTION, AND (iv) THE SAFETY AND PROTECTION OF ALL SUCH UNDERGROUND FACILITIES AND UTILITIES AND REPAIR ANY DAMAGE THERETO RESULTING FROM THE WORK AT HIS EXPENSE.

3. ALL UTILITIES TO BE RELOCATED BY OTHERS.
4. THE STANDARDS AND REVISION NUMBERS LISTED SHALL APPLY TO THIS PROJECT.
5. ALL AREAS DISTURBED WITHIN OR BEYOND THE CONSTRUCTION LIMITS FOR ANY REASON SHALL BE SEEDED WITH CLASS 2 SEEDING, AS DIRECTED BY THE ENGINEER. NUTRIENTS SHALL CONFORM TO ARTICLE 250.04. FINAL SEEDING SHALL BE PERFORMED AS SOON AS POSSIBLE.
6. MULCH, AS APPLIED TO FINAL SEEDING (CLASS 2), SHALL CONFORM TO SECTION 251 OF THE STANDARD SPECIFICATIONS. MULCH UNLESS OTHERWISE PERMITTED BY THE ENGINEER, SHALL CONFORM TO METHOD 2 AS SPECIFIED IN ARTICLE 251.03 (b).
7. ALL WORK AS SHOWN ON THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIAL PROVISIONS PREPARED BY HOELSCHER ENGINEERING, P.C. ENTITLED "FAU ROUTE 8959 (WEST CORBIN STREET) SECTION 05-00016-03-BR, CONTRACT NO. 97351, VILLAGE OF BETHALTO".
8. SEE STANDARD BLR-10 FOR DETAILS OF JOINTS AND REBARS NOT SHOWN ON THE PLANS.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FOLLOWING THE REQUIREMENTS OF AN NPDES STORM WATER PERMIT FOR CONSTRUCTION ACTIVITY FOR THIS PROJECT.
11. TOPS OF INLETS WITH TYPE 3 AND TYPE 3V FRAME AND GRATE ARE TO THE EDGE OF PAVEMENT.
12. RIPRAP REMOVED ON SITE MAY BE REUSED IN THE PROJECT WITH THE APPROVAL OF THE ENGINEER.
13. THE CONTRACTOR SHALL VERIFY EXISTING SANITARY SEWER LOCATION AND ELEVATIONS PRIOR TO ORDERING OR INSTALLING MATERIALS. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE PROPOSED SANITARY SEWER.
14. BORROW AREA HAS BEEN PROVIDED ON SITE. SEE WETLANDS PLAN FOR EXACT LOCATION.

ABBREVIATIONS AND SYMBOLS

TBR&R	TO BE REMOVED AND RE-ERECTED
REC	TO BE RECONSTRUCTED
TBADJ	TO BE ADJUSTED
TBA	TO BE ABANDONED

LEGEND:

⊕	EXISTING UTILITY POLE
⊙	EXISTING GUY WIRE
—ou—	EXISTING OVERHEAD UTILITY
—	CONSTRUCTION LIMITS
●	PROPOSED CURB INLET
⊙	PROPOSED STORM MANHOLE
●	PROPOSED SANITARY MANHOLE

DATE	2/7/06
BY	...
APPROVED	...
REVISIONS	...
NO.	...

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
INDEX OF SHEETS, HIGHWAY STANDARDS AND GENERAL NOTES
 FAU ROUTE 8959
 SECTION 05-00016-03-BR
 COUNTY MADISON
 DRAWN BY: R.A.W.

SUMMARY OF QUANTITIES

FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
05-00016-03-BR		MADISON	129	3

STA.	TO STA.

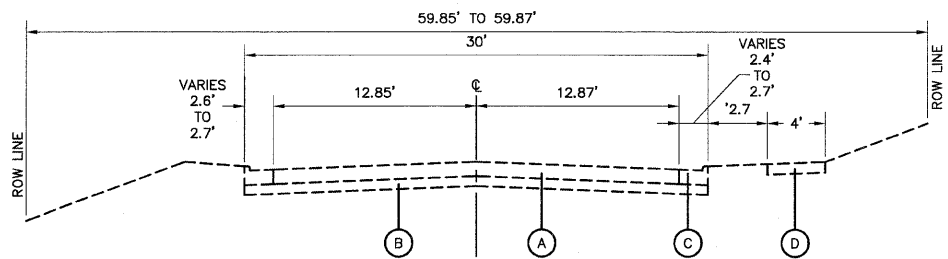
CONTRACT NO.: 97351

SUMMARY OF QUANTITIES						SUMMARY OF QUANTITIES						SUMMARY OF QUANTITIES								
CODE NO	ITEM	UNIT	STRUCTURES		3000 ROAD WAY	TOTAL QUANTITIES	CODE NO	ITEM	UNIT	STRUCTURES		3000 ROAD WAY	TOTAL QUANTITIES	CODE NO	ITEM	UNIT	STRUCTURES		3000 ROAD WAY	TOTAL QUANTITIES
			X271-2A SN: 060-6851	X028-2A SN: 060-6853						X271-2A SN: 060-6851	X028-2A SN: 060-6853						X271-2A SN: 060-6851	X028-2A SN: 060-6853		
20100500	TREE REMOVAL, ACRE	ACRES			5.61	5.61	52100010	ELASTOMETRIC BEARING ASSEMBLY, TYPE 1	EACH	12		12	X6020075	INLETS, TYPE B, TYPE 3V FRAME AND GRATE	EACH			11	11	
20200100	EARTH EXCAVATION	CU YD			58,376	58,376	52100520	ANCHOR BOLTS, 1"	EACH	24		24	XX001875	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 3V FRAME AND GRATE	EACH			2	2	
20400800	FURNISHED EXCAVATION	CU YD			107,037	107,037	52100540	ANCHOR BOLTS, 1 1/2"	EACH	12		12	Z0030150	IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3	EACH			2	2	
20700400	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	465			465	54001001	BOX CULVERT END SECTION, CULVERT NO.1	EACH			2	Z0054517	ROCK FILL - FOUNDATION	TON		344		344	
20800150	TRENCH BACKFILL	CU YD			708.1	708.1	54003000	CONCRETE BOX CULVERTS	CU YD		935	935	*Z0057200	SANITARY SEWER 15"	FOOT			383	383	
25000200	SEEDING, CLASS 2	ACRE			5.2	5.2	54200430	PIPE CULVERTS, TYPE 1 RCCP 15"	FOOT			32	32							
25000400	NITROGEN FERTILIZER NUTRIENT	POUND			468	468	54201279	PIPE CULVERTS, TYPE 2 RCCP 24"	FOOT			60	60							
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND			468	468	54201291	PIPE CULVERTS, TYPE 2 RCCP 36"	FOOT			41	41							
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND			468	468	54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH			2	2							
25100115	MULCH, METHOD 2	ACRE			5.2	5.2	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH			1	1							
25100630	EROSION CONTROL BLANKET	SQ YD			2,250	2,250	54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH			1	1							
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND			520	520	54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH			1	1							
28000300	TEMPORARY DITCH CHECKS	EACH			44	44	54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH			1	1							
28000400	PERIMETER EROSION BARRIER	FOOT			2,201	2,201	54248510	CONCRETE COLLAR	CU YD			0.5	0.5							
28000500	INLET AND PIPE PROTECTION	EACH			31	31	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT			1,780	1,780							
28100109	STONE RIPRAP, CLASS A5	SQ YD		221		221	550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT			138	138							
28100705	STONE DUMPED RIPRAP, CLASS A3	SQ YD			6	6	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT			206	206							
28100707	STONE DUMPED RIPRAP, CLASS A4	SQ YD			103	103	550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT			347	347							
28200200	FILTER FABRIC	SQ YD		251	103	354	58600100	SAND BACKFILL	CU YD			53	53							
30200650	PROCESSING MODIFIED SOIL, 12"	SQ YD			9,053	9,053	58700100	BRIDGE SEAT SEALER	L SUM			1	1							
30201500	LIME	TON			174.4	174.4	58700300	CONCRETE SEALER	SQ FT	173		173								
31100300	SUB-BASE GRANULAR MATERIAL, TYPE A 4"	SQ YD			9,053	9,053	59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	111		111								
42000311	PORTLAND CEMENT CONCRETE PAVEMENT 8 1/2"(JOINTED)	SQ YD			6,895	6,895	60109582	PIPE UNDERDRAINS FOR STRUCTURES 6"	FOOT	76		76								
42001165	BRIDGE APPROACH PAVEMENT	SQ YD			200	200	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH			2	2							
42001300	PROTECTIVE COAT	SQ YD			9,298	9,298	60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH			1	1							
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD			84	84	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH			1	1							
42400100	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	SQ FT			9,962	9,962	*60228110	MANHOLES, SANITARY, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH			3	3							
44000300	CURB REMOVAL	FOOT			4	4	60240220	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	EACH			2	2							
50200100	STRUCTURE EXCAVATION	CU YD	1,057			1,057	60602500	CONCRETE GUTTER,TYPE A	FOOT			198	198							
50300225	CONCRETE STRUCTURES	CU YD	350.2			350.2	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B6.24	FOOT			4,769	4,769							
50300255	CONCRETE SUPERSTRUCTURE	CU YD	350.6			350.6	*63000000	STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT			512.5	512.5							
50300260	BRIDGE DECK GROOVING	SQ YD	959			959	*63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH			4	4							
50300280	CONCRETE ENCASEMENT	CU YD	5			5	*63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH			4	4							
50300285	FORM LINER TEXTURED SURFACE	SQ FT	2,656			2,656	*66500105	WOVEN WIRE FENCE, 4'	FOOT			706	706							
50300300	PROTECTIVE COAT	SQ YD	2,628			2,628	*66502400	WOVEN WIRE FENCE TO BE REMOVED & RE-ERECTED	FOOT			360	360							
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1			1	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO			12	12							
50500505	STUD SHEAR CONNECTORS	EACH	2,232			2,232	67100100	MOBILIZATION	L SUM			1	1							
50800105	REINFORCEMENT BARS	POUND		204,384		204,384	70103700	TRAFFIC CONTROL COMPLETE	L SUM			1	1							
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	94,446	320		94,766	72000100	SIGN PANEL - TYPE 1	SQ FT			25	25							
*50900805	PEDESTRIAN RAILING	FOOT	229			229	72900100	METAL POST - TYPE A	FOOT			42	42							
51100100	SLOPE WALL, 4"	SQ YD	66			66	*78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT			5,387	5,387							
XX007764	BRICK SLOPE WALL	SQ YD	192			192	*78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT			66	66							
51201600	FURNISHING STEEL PILES HP12X53	FOOT	646			646	*78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT			13	13							
51201700	FURNISHING STEEL PILES HP12X74	FOOT	1,938			1,938	*78200410	GUARDRAIL MARKERS, TYPE A	EACH			2	2							
51201710	FURNISHING STEEL PILES HP12X84	FOOT	768			768	X0300266	WOODEN FENCE REMOVAL	FOOT			514	514							
51202305	DRIVING PILES	FOOT	3,333			3,333	*X0320591	SANITARY MANHOLES TO BE REMOVED	EACH			1	1							
51203600	TEST PILE STEEL HP12X53	EACH	1			1	*X0322791	FILL EXISTING SANITARY SEWERS	CU YD			9	9							
51203700	TEST PILE STEEL HP12X74	EACH	2			2	X0323265	REMOVE EXISTING RIPRAP	SQ YD			70	70							
51203710	TEST PILE STEEL HP12X84	EACH	2			2	XX007765	WETLAND MITIGATION PLANT/SEED MIX	ACRE			1.60	1.60							
51500100	NAME PLATES	EACH	1	1		2	X6020074	INLETS, TYPE A, TYPE 3V FRAME AND GRATE	EACH			7	7							
52000110	PREFORMED JOINT STRIP SEAL	FOOT	77			77														

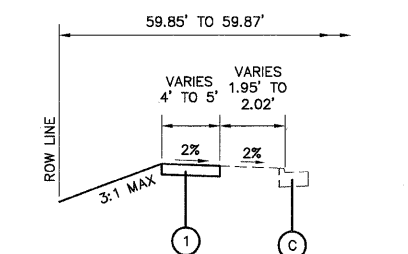
NOTE: * INDICATES SPECIALTY ITEM

SUMMARY OF QUANTITIES

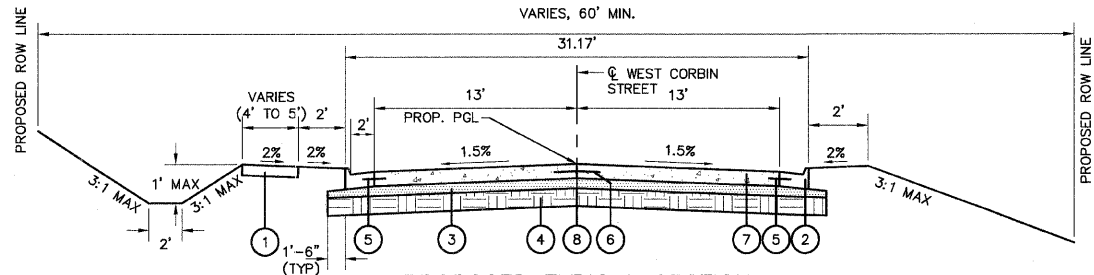
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
05-00016-03-BR	MADISON	129	4
CONTRACT NO.: 97351			



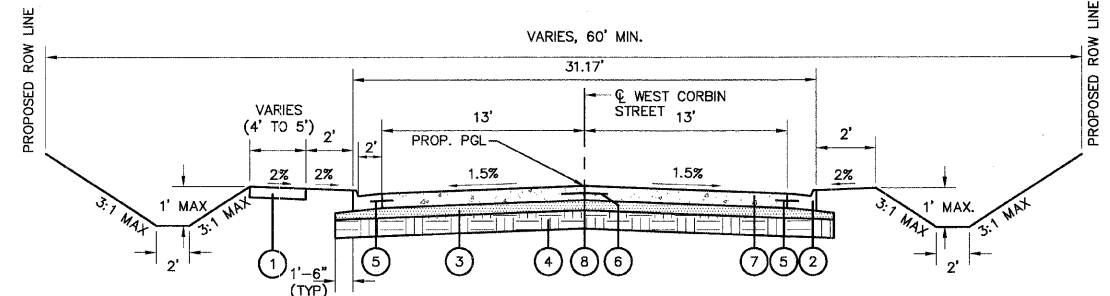
**TYPICAL SECTION
WEST CORBIN STREET**
STA. 23+43.56 TO 24+27.57
NOT TO SCALE



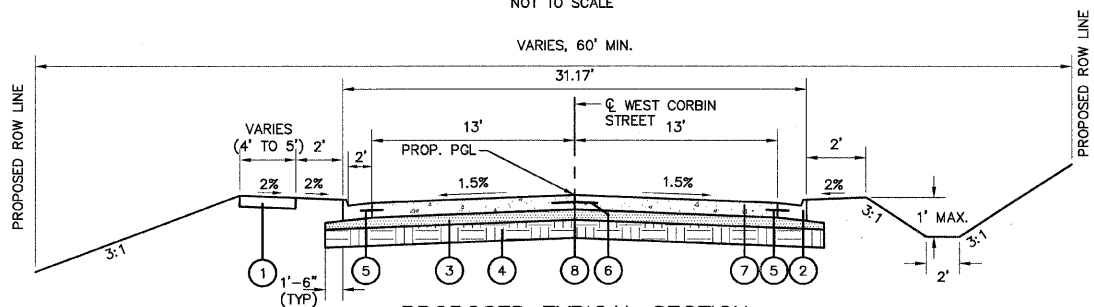
**PROPOSED TYPICAL SECTION
WEST CORBIN STREET SIDEWALK**
STA. 23+43.56 TO 24+27.57
NOT TO SCALE



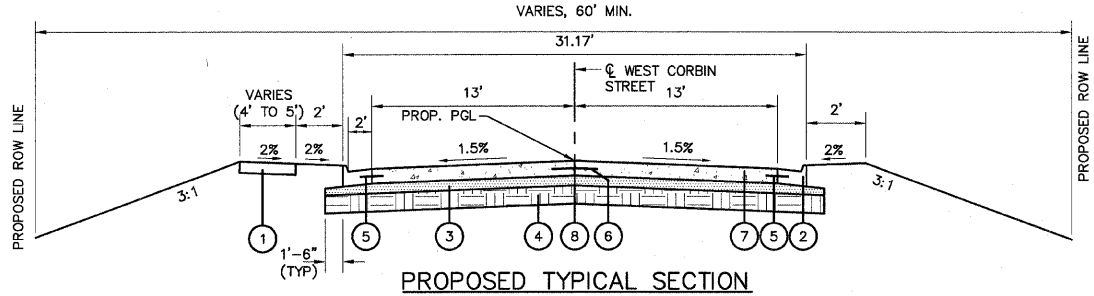
**PROPOSED TYPICAL SECTION
WEST CORBIN STREET**
STA. 43+38.93 TO 43+66.40
NOT TO SCALE



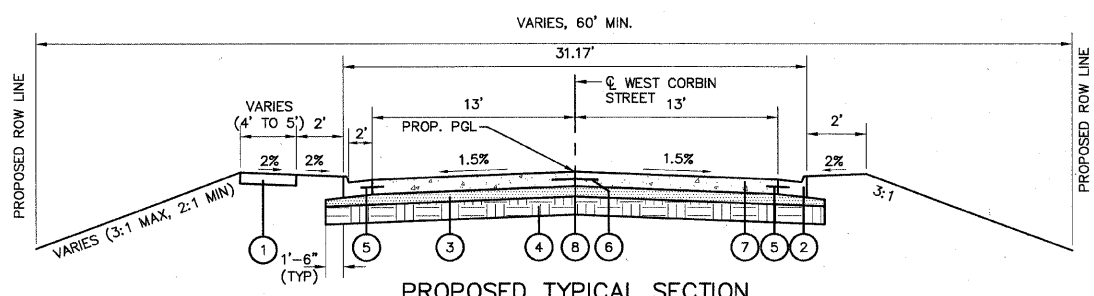
**PROPOSED TYPICAL SECTION
WEST CORBIN STREET**
STA. 43+66.40 TO 50+34.92
NOT TO SCALE



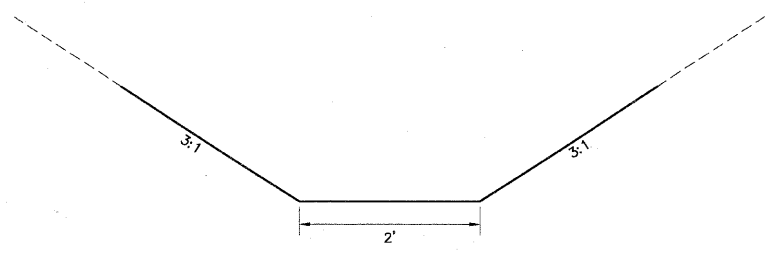
**PROPOSED TYPICAL SECTION
WEST CORBIN STREET**
STA. 24+27.57 TO 30+60
STA. 50+34.92 TO 50+65.22
NOT TO SCALE



**PROPOSED TYPICAL SECTION
WEST CORBIN STREET**
STA. 30+60 TO 33+93.72
STA. 37+70.95 TO 43+38.93
STA. 50+65.22 TO 51+00.00
NOT TO SCALE



**PROPOSED TYPICAL SECTION
WEST CORBIN STREET**
STA. 33+93.72 TO 34+83.29
STA. 34+83.29 (BEGIN BRIDGE OMISSION)
STA. 37+70.95 (END BRIDGE OMISSION)
NOT TO SCALE



**PROPOSED TYPICAL SECTION
DITCH**
STA. 24+43.57, RT TO 24+46.71, RT
STA. 27+53.61, RT TO 28+23.89, RT
STA. 31+14.25, RT TO 34+93.00, RT
STA. 37+27.46, LT TO 38+57.42, LT
STA. 37+76.21, RT TO 40+97.32, RT
STA. 39+31.30, LT TO 43+34.37, LT
STA. 41+40.03, RT TO 43+43.86, RT
STA. 50+00.64, RT TO 51+00.00, RT
STA. 51+00.00, RT TO 51+44.05, LT
NOT TO SCALE

- EXISTING:**
- (A) EXISTING CONCRETE PAVEMENT
 - (B) EXISTING AGGREGATE BASE COARSE
 - (C) EXISTING B6.24 CURB AND GUTTER
 - (D) EXISTING SIDEWALK

- PROPOSED:**
- (1) PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK, 4"
 - (2) PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B6.24
 - (3) PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE A 4"
 - (4) PROPOSED PROCESSING MODIFIED SOIL 12"
 - (5) PROPOSED 24" #6 EPOXY COATED TIE BARS @ 24" CTRS
 - (6) PROPOSED 24" #6 EPOXY COATED TIE BARS @ 30" CTRS
 - (7) PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 8 1/2" (JOINTED)
 - (8) SAWED OR KEYED LONGITUDINAL JOINT

**PAVEMENT STRUCTURAL DESIGN
INFORMATION, WEST CORBIN STREET**

PAVEMENT TYPE: RIGID, NONREINFORCED, JOINTED
ROADWAY CLASSIFICATION: CLASS II ROADS AND STREETS
DESIGN SPEED: 35 MPH
DESIGN PERIOD: 20 YRS.
TRAFFIC DATA: ADT₁ = 2500
ADT₂ = 3460
ADT₃ = 4800
STRUCTURAL DESIGN TRAFFIC: 88% PV = 3045
7% SU = 242
5% MU = 173
TRAFFIC FACTOR: 1.31
SUBGRADE SUPPORT RATING (SSR) = POOR

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**EXISTING & PROPOSED
TYPICAL SECTIONS**
FAU ROUTE 8959
SECTION 05-00016-03-BR
COUNTY MADISON
DRAWN BY: R.A.W.

PLAN	DATE
BY	2/27/06
CHECKED	
DATE	
NO.	

PAVING ITEMS

STATION TO STATION	PROCESSING MODIFIED SOIL 12"	LIME	SUB-BASE GRANULAR MATERIAL, TYPE A 4"	PORTLAND CEMENT CONCRETE PAVEMENT 8 1/2" (JOINTED)	BRIDGE APPROACH PAVEMENT	PROTECTIVE COAT	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	CONCRETE GUTTER, TYPE A	COMBINATION CONCRETE CURB & GUTTER, TYPE 56.24
	SQ YD	TON	SQ YD	SQ YD	SQ YD	SQ YD	SQ FT	FOOT	FOOT
23+43.56, LT TO 35+09.37, LT							4,738		1,067
24+27.27 RT TO 34+87.15 RT									
24+27.57 X TO 34+83.29 X	4,007	77.2	4,007	3,053					
24+27.57 X TO 36+13.29 X						3,863			
24+27.86 LT TO 34+79.43 LT									1,044
34+83.29 X TO 35+13.29 X					100				
35+39.61 LT TO 35+53.71 LT								38	
35+64.49 RT TO 35+67.20 RT								24	
36+79.63 LT TO 36+81.86 LT								22	
36+92.59 RT TO 37+45.31 RT								114	
37+35.81 LT TO 43+36.30 LT							2,297		
37+40.95 X TO 37+70.95 X					100				
37+40.95 X TO 51+00.00 X						5,435			
37+67.03 LT TO 51+00.00 LT									1,339
37+74.81 RT TO 51+00.00 RT									1,319
43+59.96 LT TO 50+47.06 LT							2,821		
50+71.06 LT TO 51+00.00 LT							106		
37+70.95 X TO 51+00.00 X	5,046	97.2	5,046	3,842					
GRAND TOTAL	9,053	174.4	9,053	6,895	200	9,298	9,962	198	4,769

FENCE SCHEDULE

STATION TO STATION	WOVEN WIRE FENCE, 4'	WOVEN WIRE FENCE TO BE REMOVED AND RE-ERECTED
LT 33+75.88 TO LT 34+04.10		72
LT 34+04.10 TO RT 34+20.64		
LT 34+04.10 TO LT 35+11.73	116	
RT 34+20.64 TO RT 34+31.99		42
RT 34+80.39 TO RT 35+21.14	49	
LT 37+32.07 TO LT 38+31.05	108	
LT 37+36.16 TO LT 38+31.05		138
RT 37+41.38 TO RT 37+85.76	53	
LT 38+31.05 TO RT 38+44.28		
RT 38+44.28 TO RT 38+60.24		108
LT 44+81.95 TO LT 48+29.33	380	
GRAND TOTAL	706	360

F&P ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
	05-00016-03-BR	MADISON	129	5
STA.	TO STA.			
CONTRACT NO.: 97351				

DRIVEWAY PAVEMENT SCHEDULE

STATION	EXISTING PAVEMENT TYPE	PROPOSED WIDTH	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH
LT 43+48.13	PE	24'	21
RT 43+48.13	PE	24'	21
LT 50+59.00	PE	24'	21
RT 50+59.00	PE	24'	21
GRAND TOTAL			84

REMOVAL ITEMS

STATION TO STATION	CURB REMOVAL	WOODEN FENCE REMOVAL	REMOVE EXISTING RIPRAP	WOVEN WIRE FENCE REMOVAL
LT 23+43.56 TO LT 23+43.74	4			
X 24+27.57 TO X 24+43.51			70	
LT 34+04.10 TO RT 34+20.64				60
LT 38+31.05 TO RT 38+44.28				59
LT 44+81.95 TO RT 47+15.99		310		
RT 47+43.06 TO LT 48+29.33		204		
GRAND TOTAL	4	514	70	119

TREE REMOVAL SCHEDULES

STATION TO STATION	TREE REMOVAL, ACRE
X 26+82.87 TO X 34+33.05	1.85
X 38+24.76 TO X 47+01.91	2.79
X 47+47.77 TO X 51+43.44	0.97
GRAND TOTAL	5.61

EROSION CONTROL

STATION TO STATION	EROSION CONTROL BLANKET SQ YD	TEMPORARY DITCH CHECKS EACH	INLET AND PIPE PROTECTION EACH	PERIMETER EROSION BARRIER FEET	STONE DUMPED RIPRAP, CLASS A3 SQ YD	STONE DUMPED RIPRAP, CLASS A4 SQ YD	FILTER FABRIC SQ YD
23+53.65 LT TO 28+22.77 LT				484			
24+41.07 RT TO 24+46.07 RT					6		
24+43.57, 22.58' RT		1					
24+46.71, 57.74' RT		1					
24+89.36, 21.58' RT		1					
25+88.61, 21.58' RT		1					
26+70.00, 14.83' LT			1				
26+70.00, 14.83' RT			1				
26+88.61, 21.58' RT		1					
27+74.02 RT TO 28+04.50 RT						49	49
27+84.32, 38.76' RT		1					
27+87.60, 38.90' RT			1				
27+88.99, 41.68' RT		1					
28+13.90, 14.83' LT			1				
28+13.90, 14.83' RT			1				
28+23.68, 14.83' LT			1				
28+23.68, 14.83' RT			1				
28+27.51 RT TO 28+57.41 LT						48	48
28+32.00, 52.07' LT			1				
28+39.95 LT TO 35+56.91 LT				742			
28+81.62, 21.58' RT		1					
29+81.62, 21.58' RT		1					
30+00.00, 14.83' LT			1				
30+00.00, 14.83' RT			1				
31+17.23, 24.90' RT		1					
32+16.54, 36.62' RT		1					
32+49.00, 14.83' LT			1				
32+49.00, 14.83' RT			1				
33+07.71, 49.37' RT		1					
33+84.58 LT TO 35+52.40 LT	980						
33+96.87, 57.97' RT		1					
34+81.60 LT TO 34+89.27 LT						6	6
34+88.06, 94.95' LT			1				
34+93.00, 78.35' LT			1				
34+93.00, 13.89' LT			1				
34+93.00, 13.89' RT			1				
34+93.00, 64.29' RT			1				
35+15.30 RT TO 35+66.95 RT	353						
35+39.38, 61.15' LT			1				
35+51.04, 90.47' RT			1				
35+57.46 RT TO 35+56.91 RT				91			
35+67.00, 64.29' RT			1				
36+83.74 LT TO 37+40.00 LT	508						
36+92.84 LT TO 37+25.76 LT				144			
36+92.84 RT TO 37+79.87 RT				169			
36+95.33 RT TO 37+54.74 RT	409						
37+54.91, 124.52 LT		1					
38+29.31, 99.39 RT		1					
38+48.51 LT TO 39+50.92 LT							
38+59.46, 167.64 LT		1					
39+07.14, 123.75 RT		1					
39+31.23, 155.68 LT		1					
39+83.00, 14.83 LT			1				
39+83.00, 14.83 RT			1				
39+96.98, 133.18 RT		1					
40+30.95, 127.77 LT		1					
40+81.16 RT TO 41+60.24 RT							
40+96.81, 138.98 RT		1					
41+27.49, 101.70 LT		1					
41+41.23, 138.59 RT		1					
42+17.38, 75.50 LT		1					
42+32.00, 14.83 LT			1				
42+32.00, 14.83 RT			1				
42+48.67, 104.12 RT		1					
43+06.43, 44.01 LT		1					
43+32.65, 40.50 RT		1					
43+42.63, 25.58' LT		1					
43+56.16, 21.58' RT		1					
44+39.91, 25.58' LT		1					
44+58.67, 21.58' RT		1					
44+78.00, 14.83 LT			1				
44+78.00, 14.83 RT			1				
45+37.20, 25.58' LT		1					
45+61.18, 21.58' RT		1					
45+79.56 LT TO 51+26.39 LT				571			
46+34.48, 25.58' LT		1					
46+63.69, 21.58' RT		1					
SUB TOTAL	2250	35	26	2201	6	103	103

EROSION CONTROL CONTINUED

STATION TO STATION	EROSION CONTROL BLANKET SQ YD	TEMPORARY DITCH CHECKS EACH	INLET AND PIPE PROTECTION EACH	PERIMETER EROSION BARRIER FEET	STONE DUMPED RIPRAP, CLASS A3 SQ YD	STONE DUMPED RIPRAP, CLASS A4 SQ YD	FILTER FABRIC SQ YD
48+31.92, 25.58' LT		1					
48+65.22, 21.58' RT		1					
47+24.00, 14.83 LT			1				
47+24.00, 14.83 RT			1				
47+31.92, 25.58' LT		1					
47+65.22, 21.58' RT		1					
49+31.92, 25.58' LT		1					
49+65.22, 21.58' RT		1					
49+74.00, 14.83 LT			1				
49+74.00, 14.83 RT			1				
50+31.92, 25.58' LT		1					
50+43.77, 27.68' RT			1				
51+06.60, 27.68' RT		1					
51+44.05, 7.08' LT		1					
SUB TOTAL		9	5				
GRAND TOTAL	2,250	44	31	2,201	6	103	103

F&P ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
	05-00016-03-BR	MADISON	129	6
STA.	TO STA.			
CONTRACT NO.: 97351				

EARTH EXCAVATION SCHEDULE

STATION TO STATION	EARTH EXCAVATION (CU)*	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE**	FURNISHED EXCAVATION (FILL)**	EARTHWORK BALANCE WASTE OR (SHORTAGE)***
23+44 TO 35+13	2,308	1,731	13,059	(11,328)
37+41 TO 58+30.98	56,068	42,051	93,978	(51,927)
GRAND TOTAL	58,376	43,782	107,037	(63,255)

*TAKEN FROM CROSS SECTIONS
 **QUANTITY OF EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (25% ASSUMED)
 ***EARTHWORK REQUIRED: (-) = QUANTITY OF FILL OR FURNISHED EXCAVATION NEEDED
 (+) = QUANTITY TO BE WASTED

EXISTING SANITARY

STATION	TO	STATION	SANITARY MANHOLES TO BE REMOVED EACH	FILL EXISTING SANITARY SEWERS CU YD
LT 37+17.97	TO	RT 38+04.39		5
RT 38+04.33			1	
RT 38+04.39	TO	RT 38+70.21		4
GRAND TOTAL			1	9

STORM SEWER SCHEDULE WEST CORBIN

LOCATION			STRUCTURE		TRENCH BACKFILL	CAST IRON		INLETS		MANHOLE TYPE A		FLARED END SECTIONS					STORM SEWERS, TYPE 1		STORM SEWERS, TYPE 2				PIPE CULVERTS, TYPE 1		PIPE CULVERTS, TYPE 2	
STATION	TO	STATION	NO.	DESCRIPTION	CU. YD.	FRAME	GRATE/LID	TYPE A	TYPE B	4' DIA.	5' DIA.	15"	18"	24"	30"	36"	R.C.C.P.		R.C.C.P.				R.C.C.P.		R.C.C.P.	
																	18"	30"	12"	15"	18"	30"	15"	24"	36"	
LT 24+66.53			102	CONCRETE COLLAR																						
LT 24+66.53	TO	LT 26+70.00			164.8																					203
LT 26+70.00			101	INLET																						
LT 26+70.00	TO	LT 28+13.90			109.1																					144
LT 28+13.90			100	INLET																						
LT 26+70.00			103	INLET																						
LT 26+70.00	TO	RT 26+70.00			3.9																					
RT 27+87.60			151	FLARED END SECTION																						
RT 27+87.60	TO	LT 28+13.90			30.0																					60
LT 28+13.90			100	INLET																						
LT 28+13.90	TO	LT 28+32.00			11.0																					41
LT 28+32.00			150	FLARED END SECTION																						
LT 28+13.90	TO	LT 28+23.68			3.9																					
LT 28+23.68			105	INLET																						
LT 28+23.68	TO	LT 30+00.00			68.7																					
LT 30+00.00			106	INLET																						
LT 30+00.00	TO	LT 32+49.00			44.2																					
LT 32+49.00			107	INLET																						
LT 32+49.00	TO	RT 32+49.00			4.2																					
RT 32+49.00			108	INLET																						
RT 28+13.90			111	INLET																						
RT 28+13.90	TO	RT 28+23.68			1.3																					
RT 28+23.68			110	INLET																						
RT 28+23.68	TO	LT 28+23.68			7.0																					
RT 30+00.00			109	INLET																						
RT 30+00.00	TO	LT 30+00.00			4.2																					
RT 34+64.43			117	INLET																						
RT 34+64.43	TO	LT 34+64.43			15.1																					
LT 34+34.43			115	INLET																						
LT 34+64.43	TO	LT 34+78.72			8.2																					
LT 34+78.72			165	MANHOLE																						
LT 34+78.72	TO	LT 34+93.00																								
LT 34+93.00			161	MANHOLE																						
RT 35+51.04			164	FLARED END SECTION																						
RT 35+51.04	TO	RT 35+67.00																								
RT 35+67.00			163	MANHOLE																						
RT 35+67.00	TO	LT 35+39.38																								
LT 35+39.38			162	MANHOLE																						
LT 35+39.38	TO	LT 34+93.00																								
LT 34+93.00	TO	LT 34+88.06																								
LT 34+88.06			160	FLARED END SECTION																						
SUB-TOTAL					475.6			2	8	3	3		1	1	1	1	31	0	650		206	347		60	41	

NOTE: ALL FLARED END SECTIONS ARE INCLUDED IN THE LENGTHS OF PIPE SCHEDULE OF QUANTITIES

STORM SEWER SCHEDULE WEST CORBIN

LOCATION			STRUCTURE		TRENCH BACKFILL	CAST IRON		INLETS		MANHOLE TYPE A		FLARED END SECTIONS				STORM SEWERS, TYPE 1		STORM SEWERS, TYPE 2				PIPE CULVERTS, TYPE 1		PIPE CULVERTS, TYPE 2			
STATION	TO	STATION	NO.	DESCRIPTION	CU. YD.	FRAME	GRATE/LID	TYPE A	TYPE B	4' DIA.	5' DIA.	15"	18"	24"	30"	36"	R.C.C.P.		R.C.C.P.				R.C.C.P.		R.C.C.P.		
																	18"	30"	12"	15"	18"	30"	15"	24"	36"		
LT 39+83.00			128	INLET		TYPE 3V		1																			
LT 39+83.00	TO	RT 39+83.00			3.9																						
RT 39+83.00			127	INLET		TYPE 3V			1																		
RT 39+83.00	TO	RT 42+32.00			45.0																						
RT 42+32.00			126	INLET		TYPE 3V			1																		
RT 42+32.00	TO	RT 44+78.00			7.3																						
RT 44+78.00			125	INLET		TYPE 3V			1																		
RT 44+78.00	TO	RT 47+24.00			7.2																						
RT 47+24.00			124	INLET		TYPE 3V			1																		
RT 47+24.00	TO	RT 49+74.00			32.9																						
RT 49+74.00			123	INLET		TYPE 3V			1																		
RT 49+74.00	TO	RT 51+12.37			25.0																						
LT 42+32.00			129	INLET		TYPE 3V		1																			
LT 42+32.00	TO	RT 42+32.00			3.9																						
LT 44+78.00			130	INLET		TYPE 3V		1																			
LT 44+78.00	TO	RT 44+78.00			3.5																						
LT 47+24.00			131	INLET		TYPE 3V		1																			
LT 47+24.00	TO	RT 47+24.00			3.9																						
LT 49+74.00			132	INLET		TYPE 3V		1																			
LT 49+74.00	TO	RT 49+74.00			3.9																						
RT 50+43.77			171	FLARED END SECTION								1															
RT 50+43.77	TO	RT 50+75.61																									
RT 50+75.61			170	FLARED END SECTION								1															
SUB-TOTAL					136.5			5	5			2							1130	138			32				
GRAND TOTAL					612.1			7	13	3	3	2	1	1	1	1			31	0	1,780	138	206	347	32	60	41

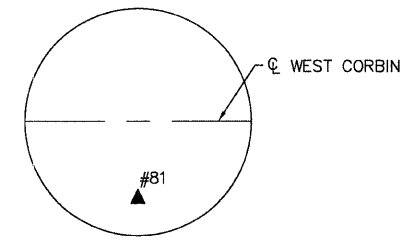
SANITARY SEWER SCHEDULE WEST CORBIN

LOCATION			STRUCTURE		TRENCH BACKFILL	MANHOLE TYPE 1 FRAME, CLOSED LID	SANITARY SEWERS, SPECIAL	
STATION	TO	STATION	NO.	DESCRIPTION	CU. YD.	4' DIA.	10"	15"
LT 37+17.97	TO	LT 36+82.93						77
LT 36+82.93			200	MANHOLE		1		
LT 36+82.93	TO	RT 37+15.04			96.0			129
RT 37+15.04			201	MANHOLE		1		
RT 37+15.04	TO	RT 38+70.21						177
RT 38+70.21			202	MANHOLE		1		
GRAND TOTAL					96.0	3		383

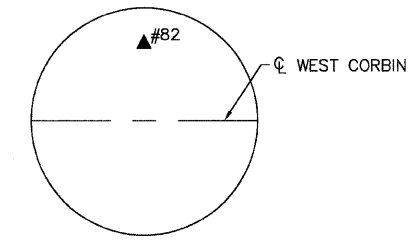
NOTE: ALL FLARED END SECTIONS ARE INCLUDED IN THE LENGTHS OF PIPE
SCHEDULE OF QUANTITIES

FWP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00016-03-BR	MADISON	129	10
STA.		TO STA.		
CONTRACT NO.: 97351				

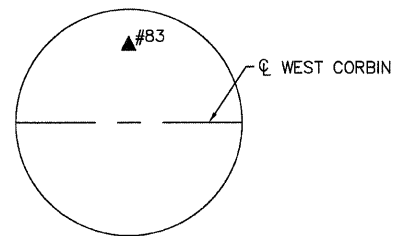
PLAN	DATE
NO.	2/27/06
BY	DATE
J.F.	2/27/06
DESIGNED	DATE
BY	2/27/06
CHECKED	DATE
BY	
DATE	



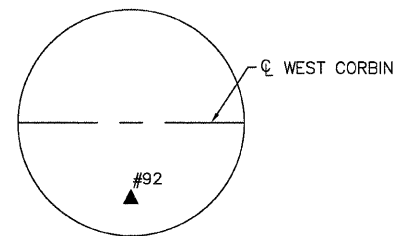
CONTROL POINT
81
(PIN W/CAP)
STA. 46+13.38,
56.75 LT
N: 812925.91
E: 524231.20
ELEV: 500.46



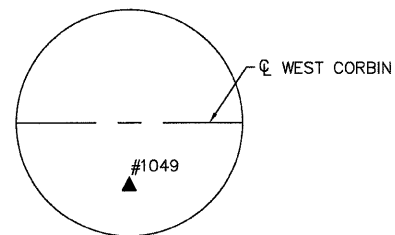
CONTROL POINT
82
(PIN W/CAP)
STA. 49+05.25,
117.15 RT
N: 813074.77
E: 523923.42
ELEV: 492.68



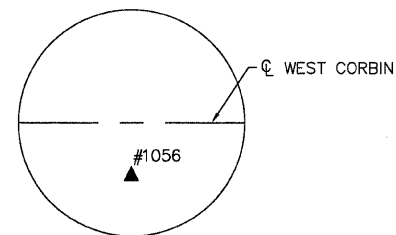
CONTROL POINT
83
(PIN W/CAP)
STA. 38+67.41,
359.77 RT
N: 813663.93
E: 524671.70
ELEV: 492.54



CONTROL POINT
92
(COTTON PICKER SPINDLE)
STA. 36+50.81,
136.97 LT
N: 813332.18
E: 525107.91
ELEV: 475.09



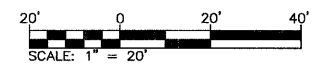
CONTROL POINT
1049
(TRAVERSE PIN)
STA. 61+09.66,
34.37 LT
N: 812827.85
E: 522756.08
ELEV: 489.54



CONTROL POINT
1056
(TRAVERSE PIN)
STA. 61+39.84,
57.86 LT
N: 812797.82
E: 522729.91
ELEV: 488.79

BENCHMARK

"L" CUT ON TOP OF CONCRETE
HEADWALL
STA. 34+98.01 106.11 LT
ELEV: 471.36



REVISIONS	
NAME	DATE

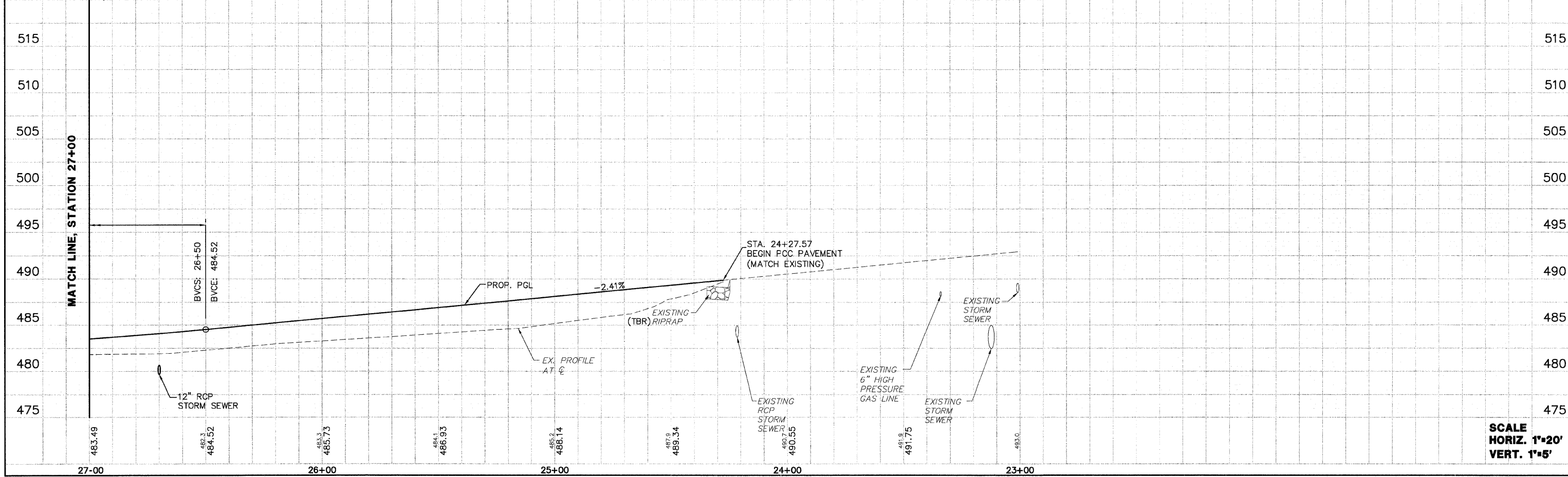
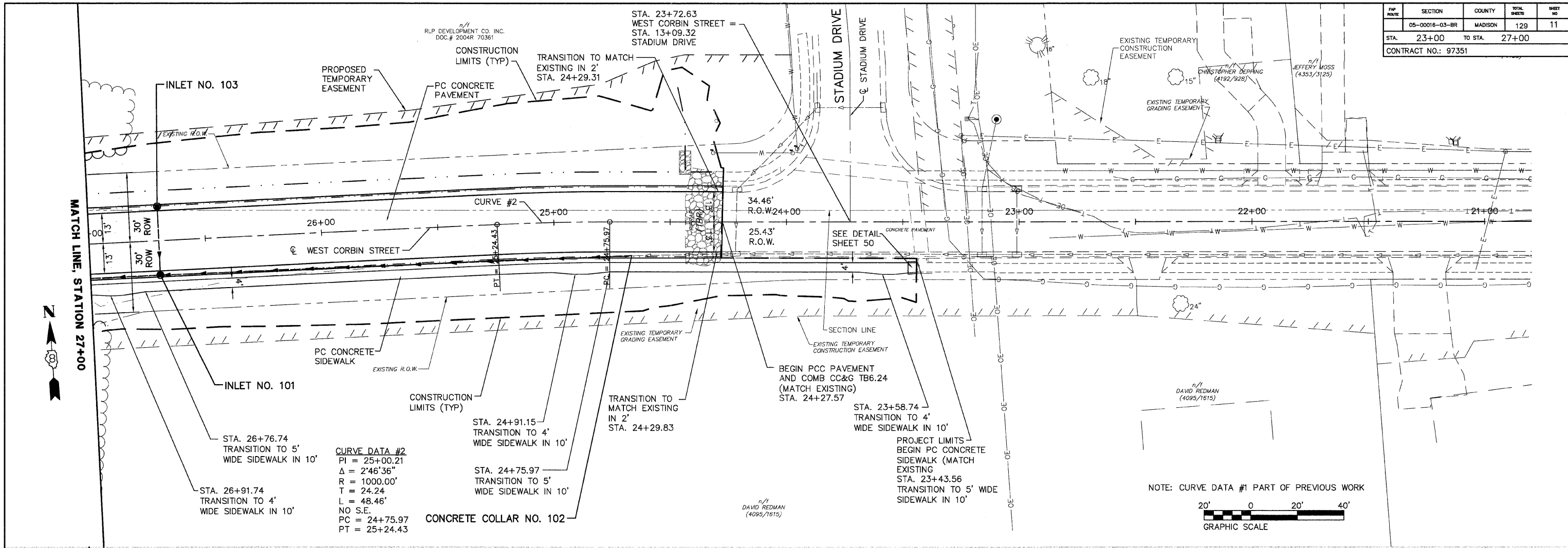
ILLINOIS DEPARTMENT OF TRANSPORTATION
**ALIGNMENT, TIES,
AND BENCHMARKS**

FAU ROUTE 8959
SECTION 05-00016-03-BR
COUNTY MADISON
DRAWN BY: R.A.W.

FWP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00016-03-BR	MADISON	129	11
STA. 23+00		TO STA. 27+00		
CONTRACT NO.: 97351				

PLAN	DATE
BY: J.L.F.	2/2/06
CHECKED: E.R.O.	2/2/06
NO. 0000000000	
PAID FILE NAME: 0896500000	

PROFILE	DATE
BY: J.L.F.	2/2/06
CHECKED: E.R.O.	
NO. 0000000000	
STRUCTURE NOTATIONS: CPFD	



NOTE: CURVE DATA #1 PART OF PREVIOUS WORK

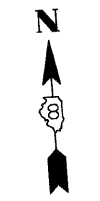
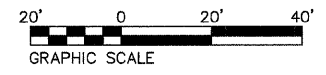
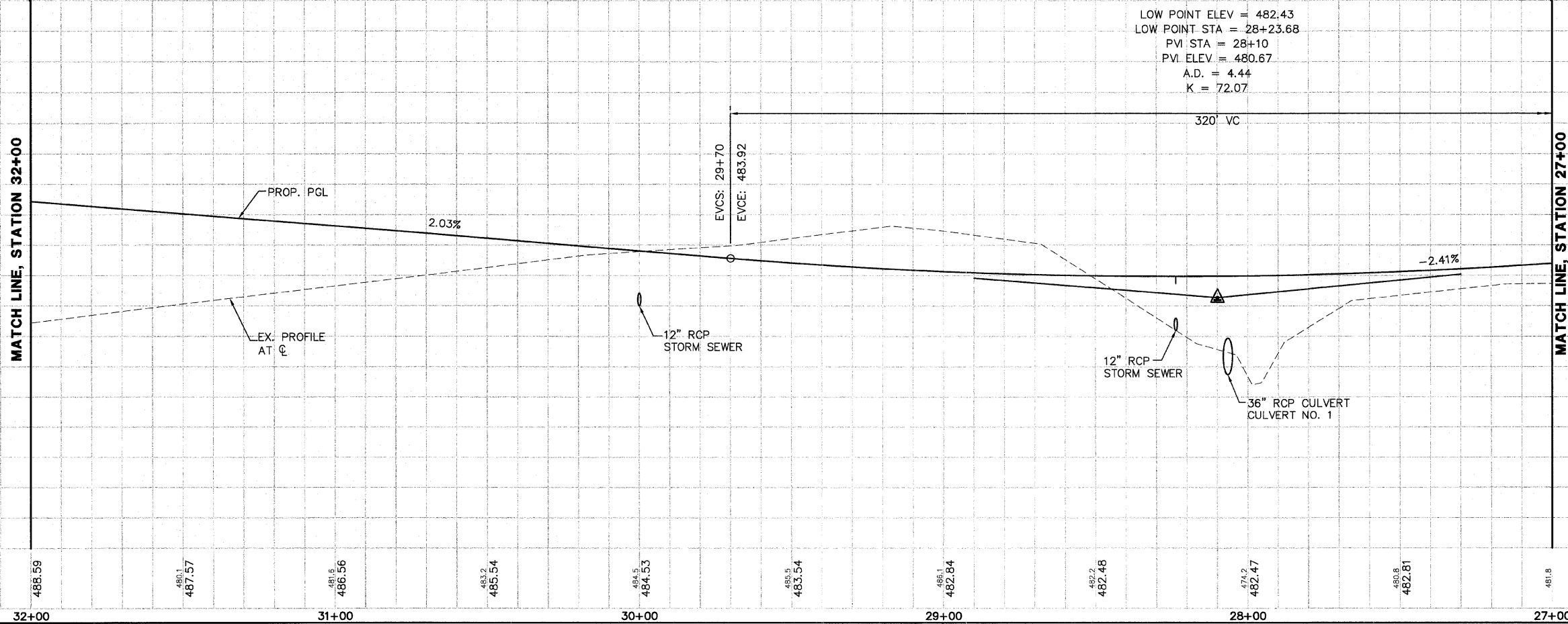
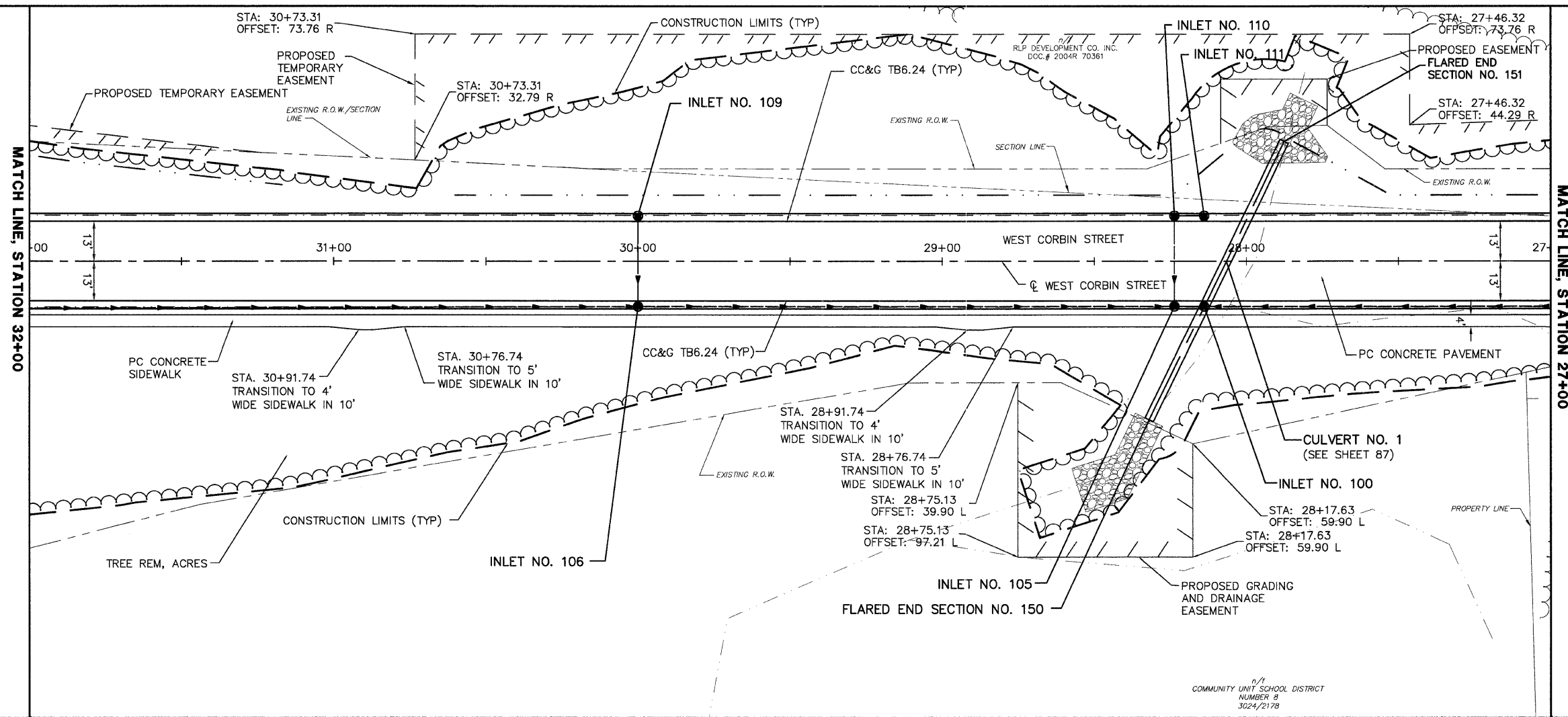
20' 0 20' 40'
GRAPHIC SCALE

SCALE
HORIZ. 1"=20'
VERT. 1"=5'

PROJECT	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
05-00016-03-BR	MADISON	129	12	
STA. 27+00	TO STA.	32+00		
CONTRACT NO.: 97351				

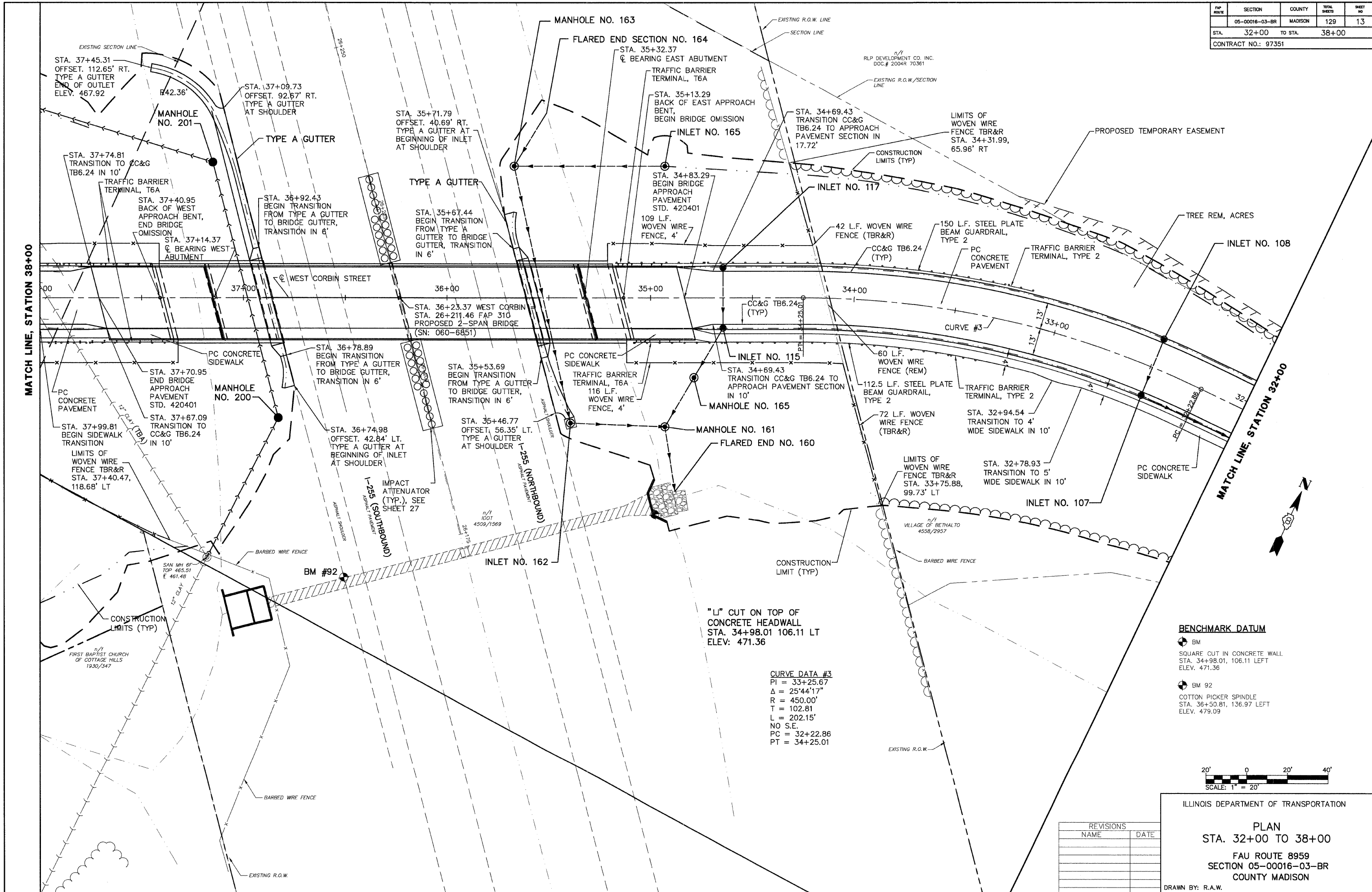
DATE	2/2/06
BY	J.T.F.
CHECKED	E.R.O.
DATE	2/2/06
BY	J.T.F.
CHECKED	E.R.O.
DATE	2/2/06
BY	J.T.F.
CHECKED	E.R.O.

DATE	2/2/06
BY	J.T.F.
CHECKED	E.R.O.
DATE	2/2/06
BY	J.T.F.
CHECKED	E.R.O.
DATE	2/2/06
BY	J.T.F.
CHECKED	E.R.O.



SCALE
HORIZ. 1"=20'
VERT. 1"=5'

FMP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
05-00016-03-BR	MADISON	129	13	
STA. 32+00	TO STA. 38+00			
CONTRACT NO.: 97351				



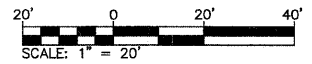
MATCH LINE, STATION 38+00

MATCH LINE, STATION 32+00

CURVE DATA #3
 PI = 33+25.67
 Δ = 25°44'17"
 R = 450.00'
 T = 102.81
 L = 202.15'
 NO S.E.
 PC = 32+22.86
 PT = 34+25.01

"L" CUT ON TOP OF CONCRETE HEADWALL
 STA. 34+98.01 106.11 LT
 ELEV: 471.36

BENCHMARK DATUM
 BM
 SQUARE CUT IN CONCRETE WALL
 STA. 34+98.01, 106.11 LEFT
 ELEV. 471.36
 BM 92
 COTTON PICKER SPINDLE
 STA. 36+50.81, 136.97 LEFT
 ELEV. 479.09



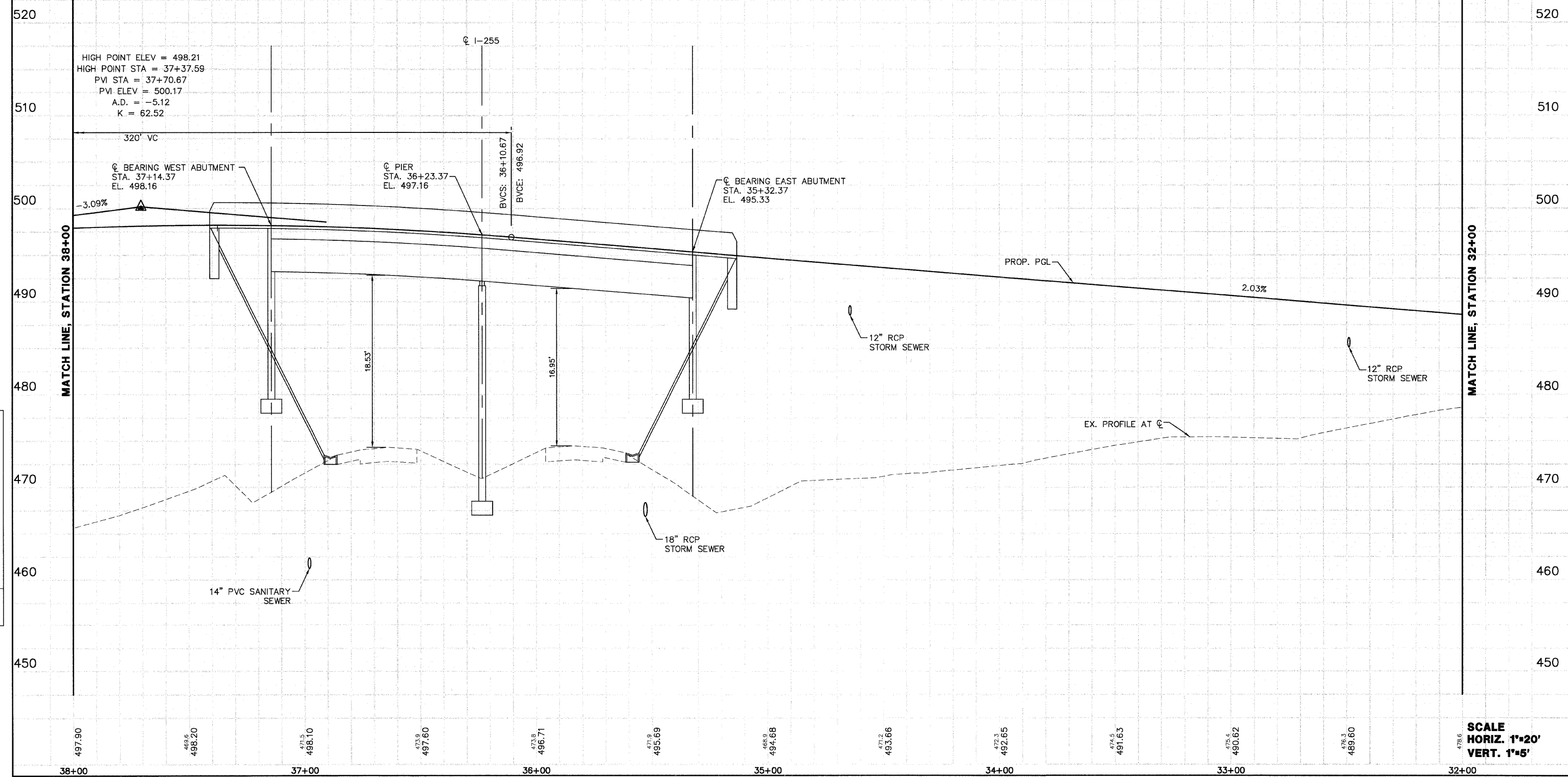
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN
STA. 32+00 TO 38+00
 FAU ROUTE 8959
 SECTION 05-00016-03-BR
 COUNTY MADISON
 DRAWN BY: R.A.W.

FWP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
	05-00016-03-BR	MADISON	129	14
STA. 32+00		TO STA. 38+00		
CONTRACT NO.: 97351				

BENCHMARK DATUM
 BM 92
 COTTON PICKER SPINDLE
 STA. 36+50.81, 136.97-LEFT
 ELEV. 479.09

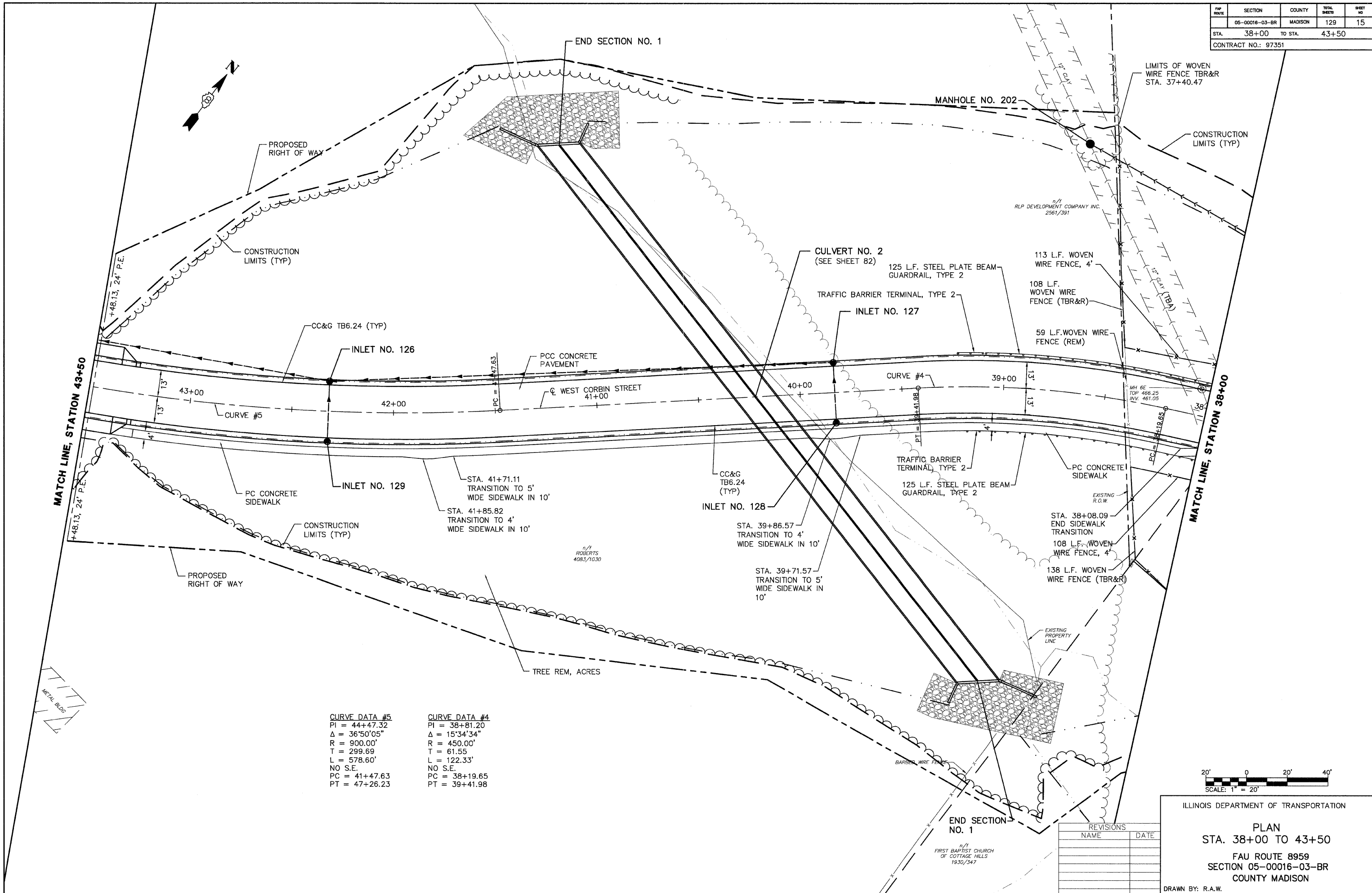
BENCHMARK DATUM
 BM
 SQUARE CUT IN CONCRETE WALL
 STA. 34+98.01, 106.11 LEFT
 ELEV. 471.36



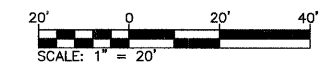
PROFILE	DATE
BY	2/2/06
PLOTTED	
NOTE BOOK	
NO.	

SCALE
 HORIZ. 1"=20'
 VERT. 1"=5'

FW ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
05-00016-03-BR	MADISON	129	15	
STA. 38+00	TO STA. 43+50			
CONTRACT NO.: 97351				



CURVE DATA #5	CURVE DATA #4
PI = 44+47.32	PI = 38+81.20
Δ = 36°50'05"	Δ = 15°34'34"
R = 900.00'	R = 450.00'
T = 299.69	T = 61.55
L = 578.60'	L = 122.33'
NO S.E.	NO S.E.
PC = 41+47.63	PC = 38+19.65
PT = 47+26.23	PT = 39+41.98



REVISIONS	
NAME	DATE

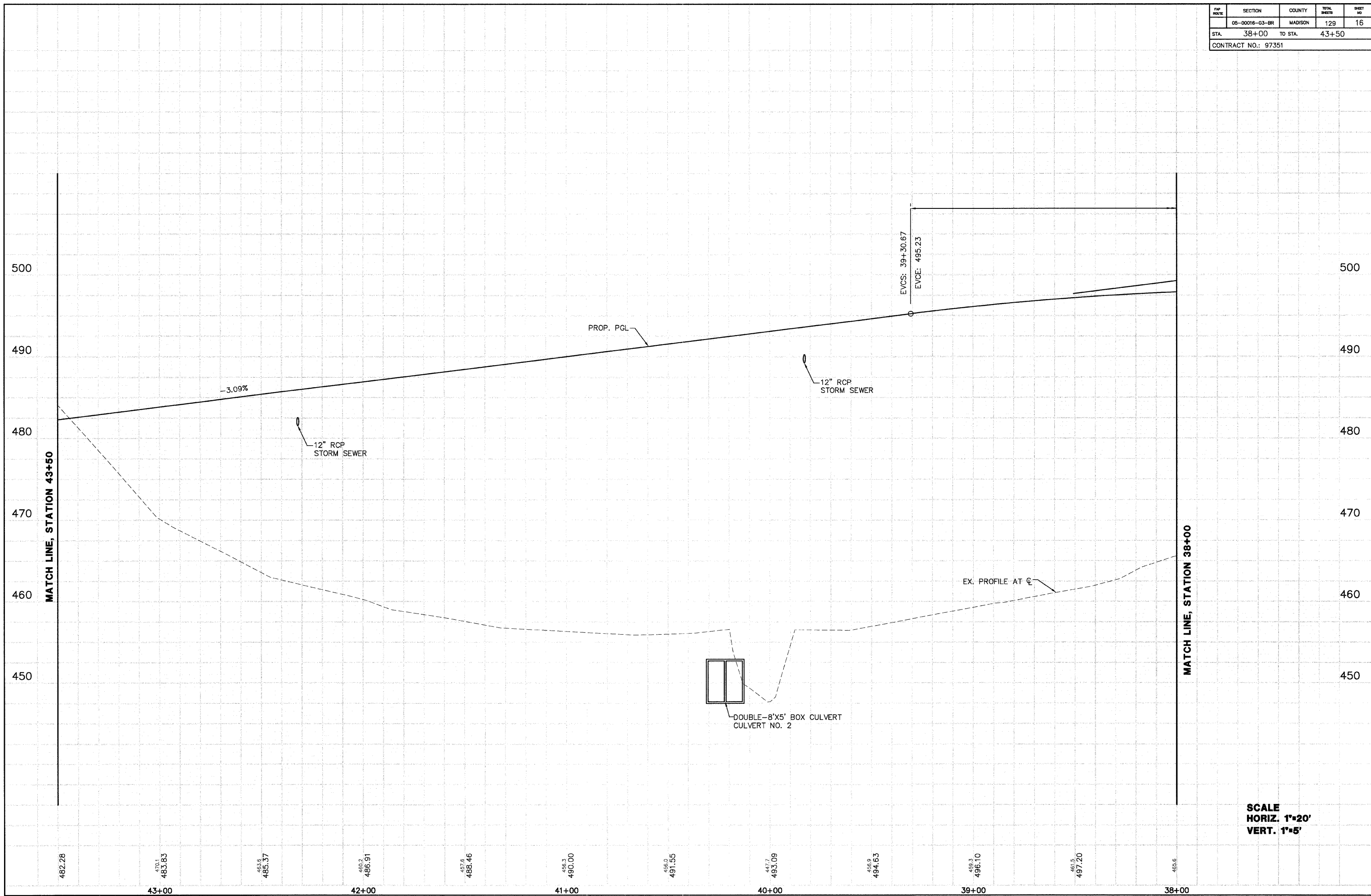
ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAN
STA. 38+00 TO 43+50
 FAU ROUTE 8959
 SECTION 05-00016-03-BR
 COUNTY MADISON

DRAWN BY: R.A.W.

FWP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00016-03-BR	MADISON	129	16
STA.	38+00	TO STA.	43+50	
CONTRACT NO.: 97351				

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED	J.P.F.	2/27/06
NO.	RECHECKED	ERR.	
	BY		
	STRUCTURE	NOTATION	CHTRD

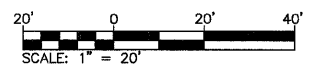
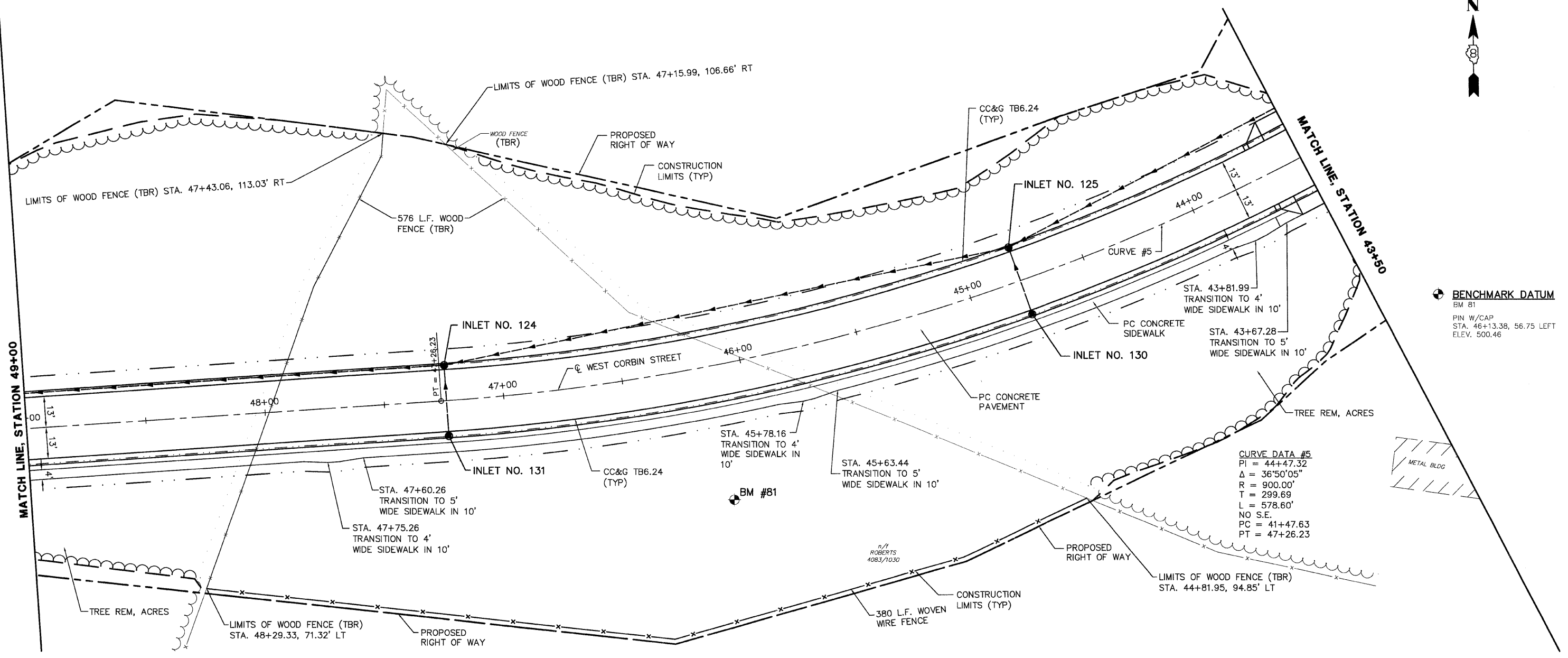


SCALE
HORIZ. 1"=20'
VERT. 1"=5'

FW ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
	05-00016-03-BR	MADISON	129	17
STA.	43+50	TO STA.	49+00	
CONTRACT NO.: 97351				



BENCHMARK DATUM
 BM #81
 PIN W/CAP
 STA. 46+13.38, 56.75 LEFT
 ELEV. 500.46



ILLINOIS DEPARTMENT OF TRANSPORTATION

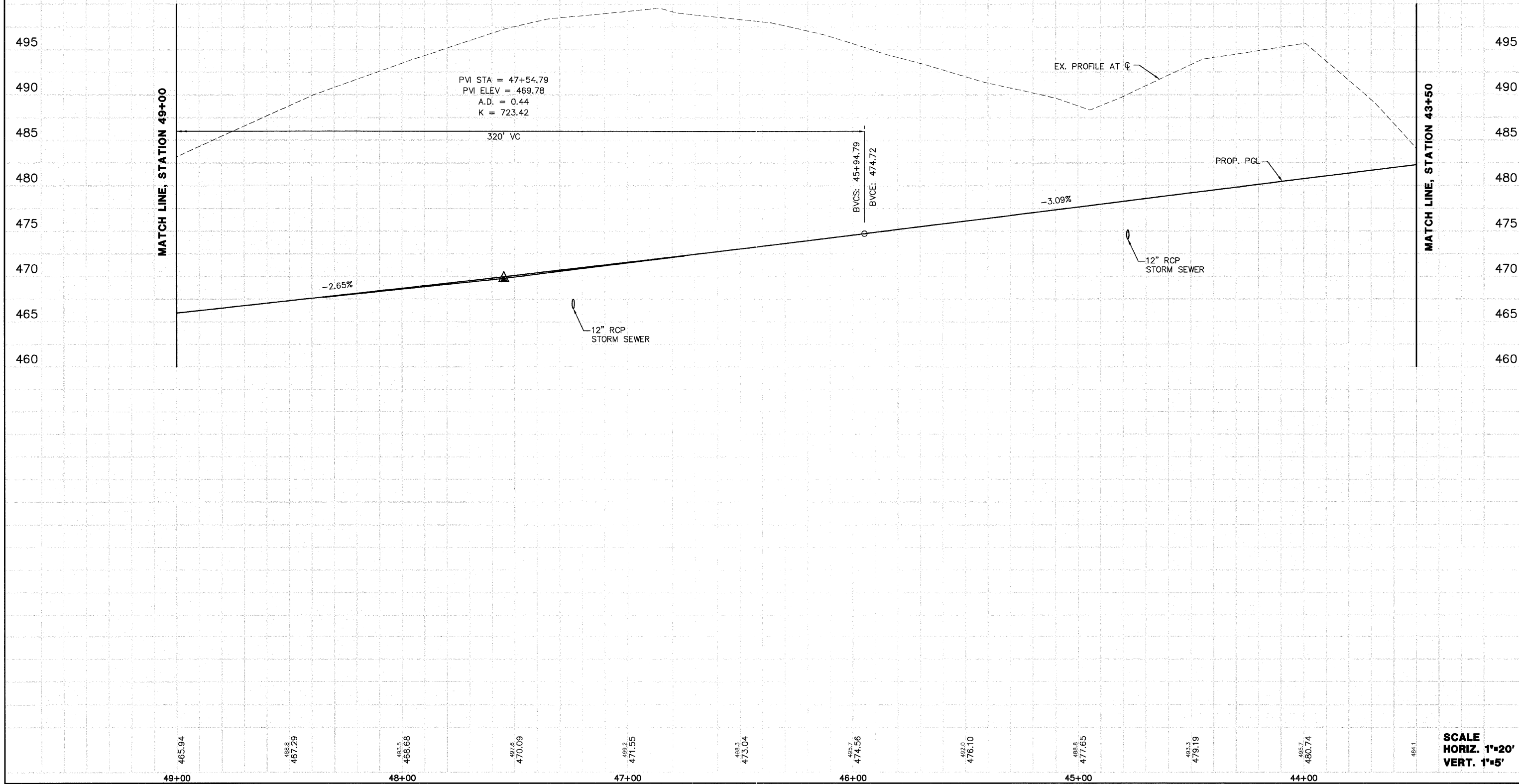
PLAN
STA. 43+50 TO 49+00
 FAU ROUTE 8959
 SECTION 05-00016-03-BR
 COUNTY MADISON

REVISIONS	
NAME	DATE

DRAWN BY: R.A.W.

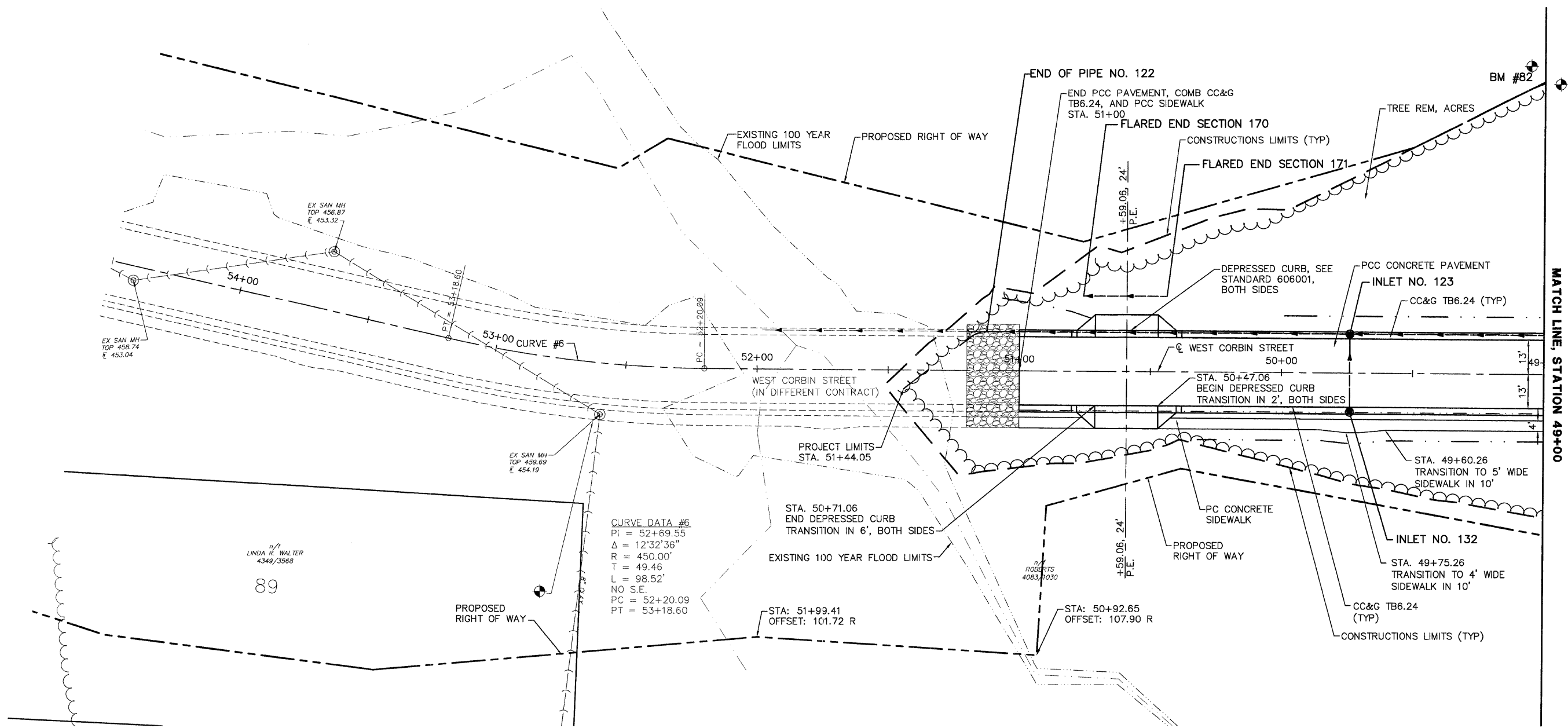
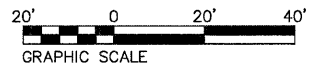
FWP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
	05-00016-03-BR	MADISON	129	18
STA. 43+50		TO STA. 49+00		
CONTRACT NO.: 97351				

BENCHMARK DATUM
 BM 81
 PIN W/CAP
 STA. 46+13.38, 56.75 LEFT
 ELEV. 500.46



PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED	J.T.F.	2/2/06
NO.	STRUCTURE	NOTATIONS	CHKD

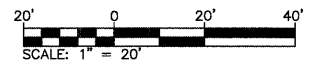
FMP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
05-00016-03-BR	MADISON	129	19	
STA. 49+00 TO STA. 54+50		CONTRACT NO.: 97351		



BENCHMARK DATUM
 BM #82
 PIN W/CAP
 STA. 49+05.25, 117.15 RIGHT
 ELEV.: 492.68
 BM 1039
 TRAVERSE PIN
 STA. 52+60.62, 22.35 LEFT
 ELEV.: 459.88

CURVE DATA #6
 PI = 52+69.55
 $\Delta = 12^{\circ}32'36''$
 R = 450.00'
 T = 49.46'
 L = 98.52'
 NO S.E.
 PC = 52+20.09
 PT = 53+18.60

n/n
 LINDA R. WALTER
 4349/3568
 89



REVISIONS	
NAME	DATE

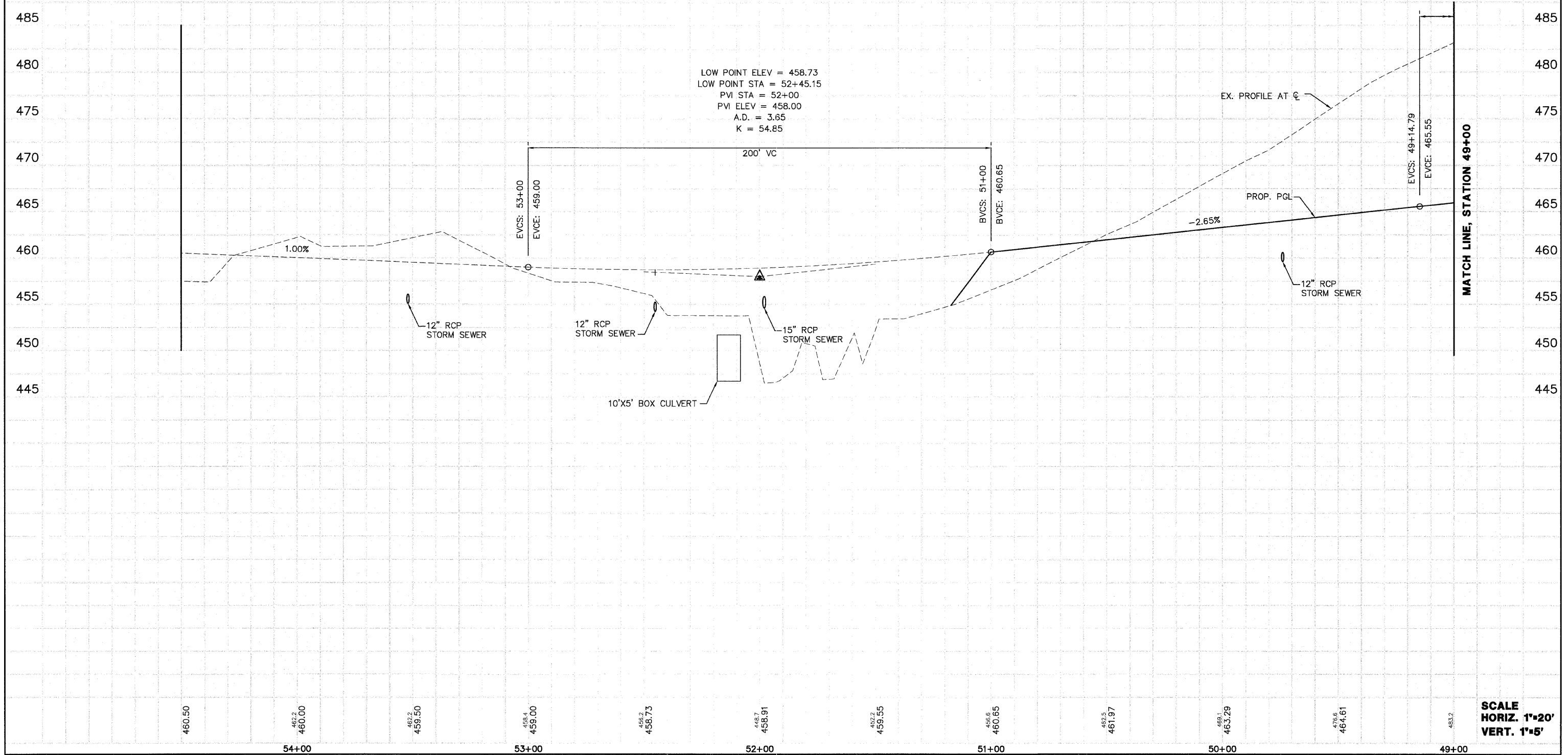
ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN
 STA. 49+00 TO 54+50
 FAU ROUTE 8959
 SECTION 05-00016-03-BR
 COUNTY MADISON
 DRAWN BY: R.A.W.

FW ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
	05-00016-03-BR	MADISON	129	20
STA. 49+00		TO STA. 54+50		
CONTRACT NO.: 97351				

BENCHMARK DATUM
 BM 1039
 TRAVERSE PIN
 STA. 52+60.62, 22.35 LEFT
 ELEV. 459.88

BENCHMARK DATUM
 BM 82
 PIN W/CAP
 STA. 49+05.25, 117.15 RIGHT
 ELEV. 492.68

LOW POINT ELEV = 458.73
 LOW POINT STA = 52+45.15
 PVI STA = 52+00
 PVI ELEV = 458.00
 A.D. = 3.65
 K = 54.85



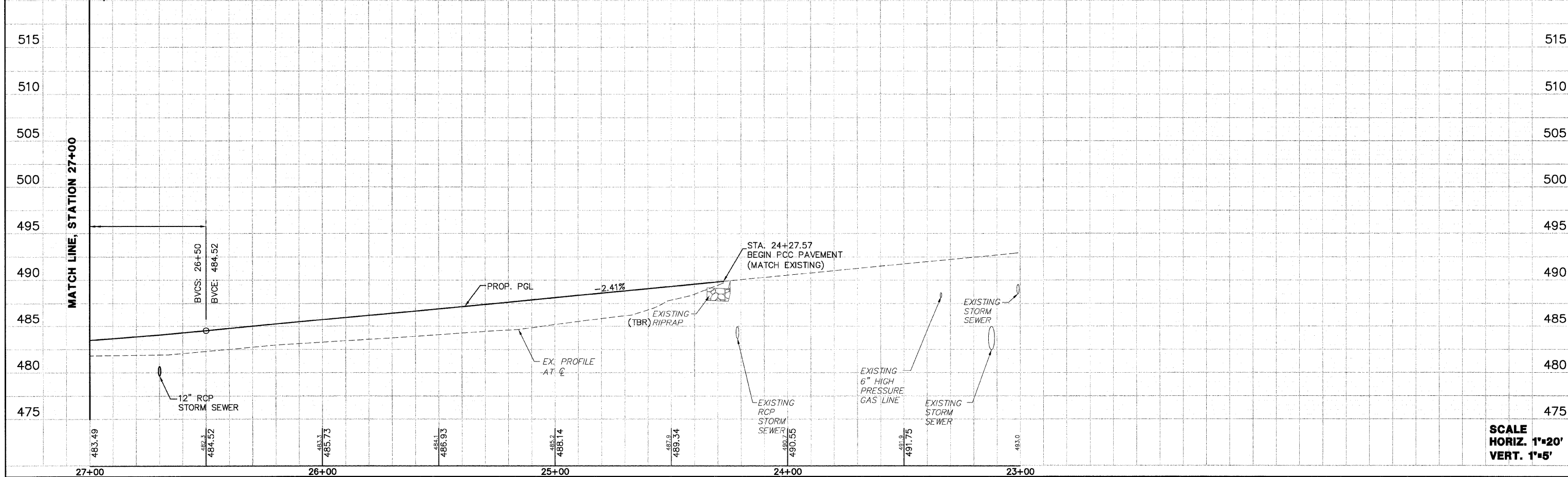
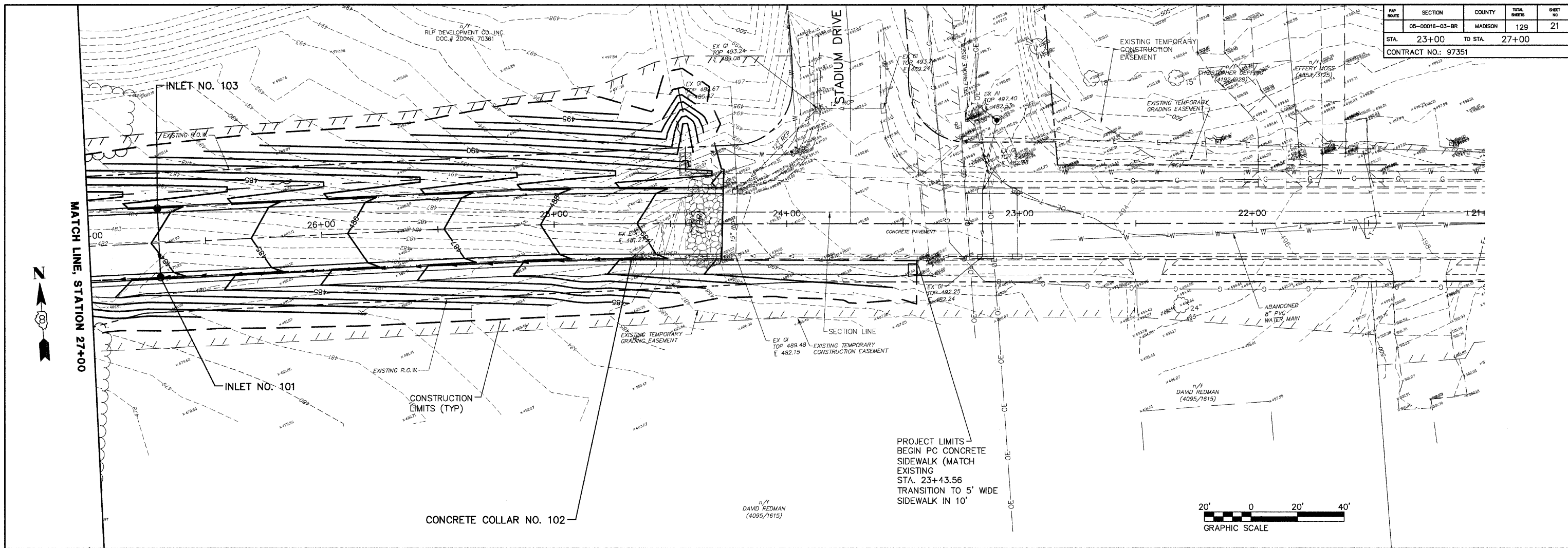
PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED	J.T.F.	7/7/06
NO.	REGISTERED	E.R.D.	
	BY		
	STRUCTURE NOTATIONS CHECKED		

SCALE
 HORIZ. 1"=20'
 VERT. 1"=5'

FW ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
05-00016-03-BR		MADISON	129	21
STA. 23+00		TO STA. 27+00		
CONTRACT NO.: 97351				

PLAN	SURVEYED	DATE
NO. _____	BY J.E.L.	2/27/06
	PLOTTED	DATE
	BY J.E.L.	2/27/06
	CHECKED	DATE
	BY E.S.O.	
	NOTED	DATE
	BY E.S.O.	
	PAID FILE NAME	

PROFILE	SURVEYED	DATE
NO. _____	BY J.E.L.	2/27/06
	PLOTTED	DATE
	BY J.E.L.	2/27/06
	CHECKED	DATE
	BY E.S.O.	
	NOTED	DATE
	BY E.S.O.	
	STRUCTURE NOTATIONS CHK'D	



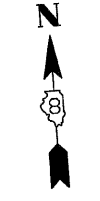
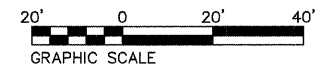
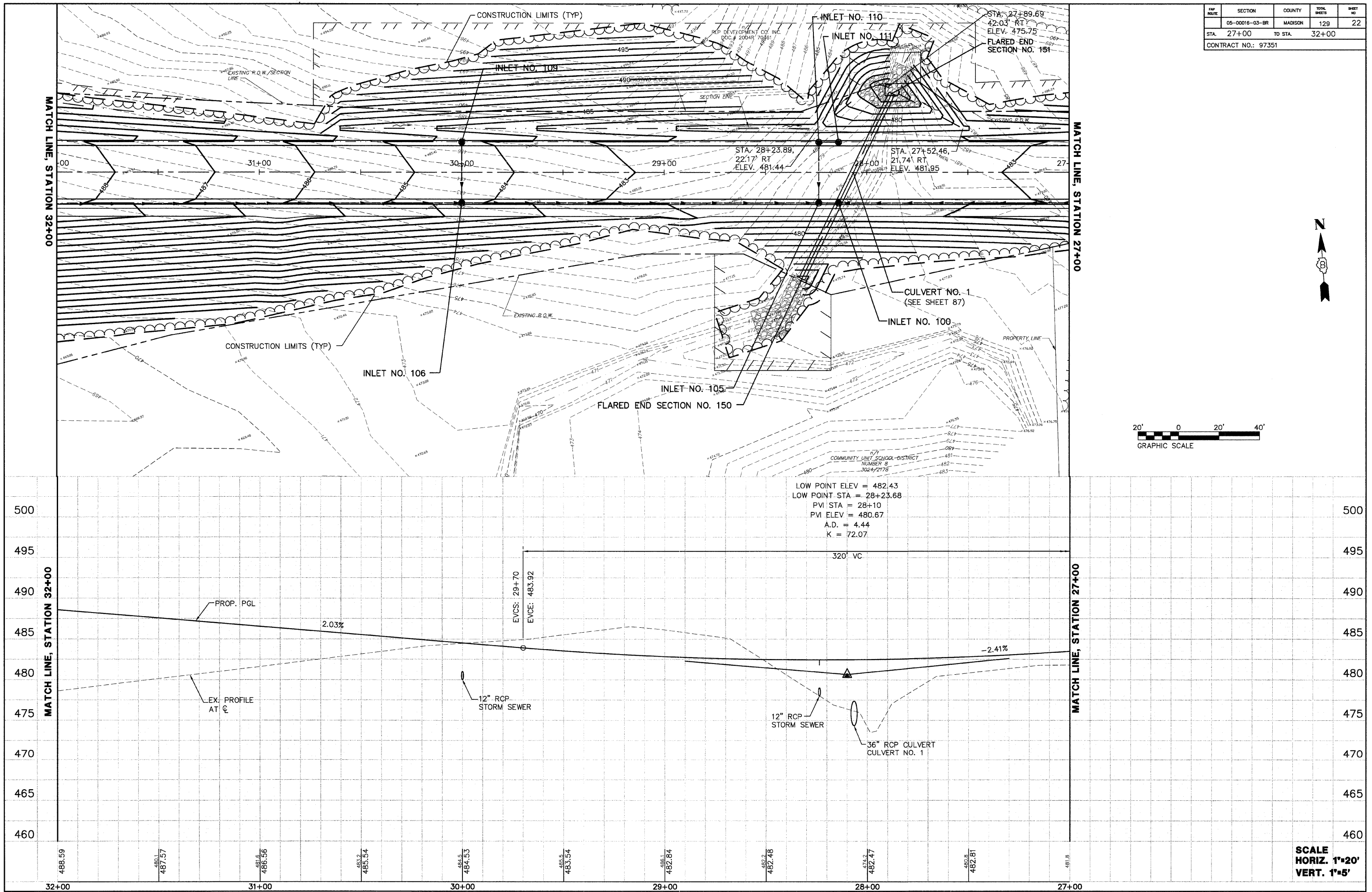
GRADING PLAN—WEST CORBIN STREET, STA. 23+00 TO 27+00

SCALE
HORIZ. 1"=20'
VERT. 1"=5'

EMP. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00016-03-BR	MADISON	129	22
STA. 27+00		TO STA.	32+00	
CONTRACT NO.: 97351				

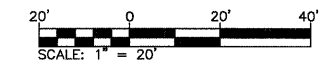
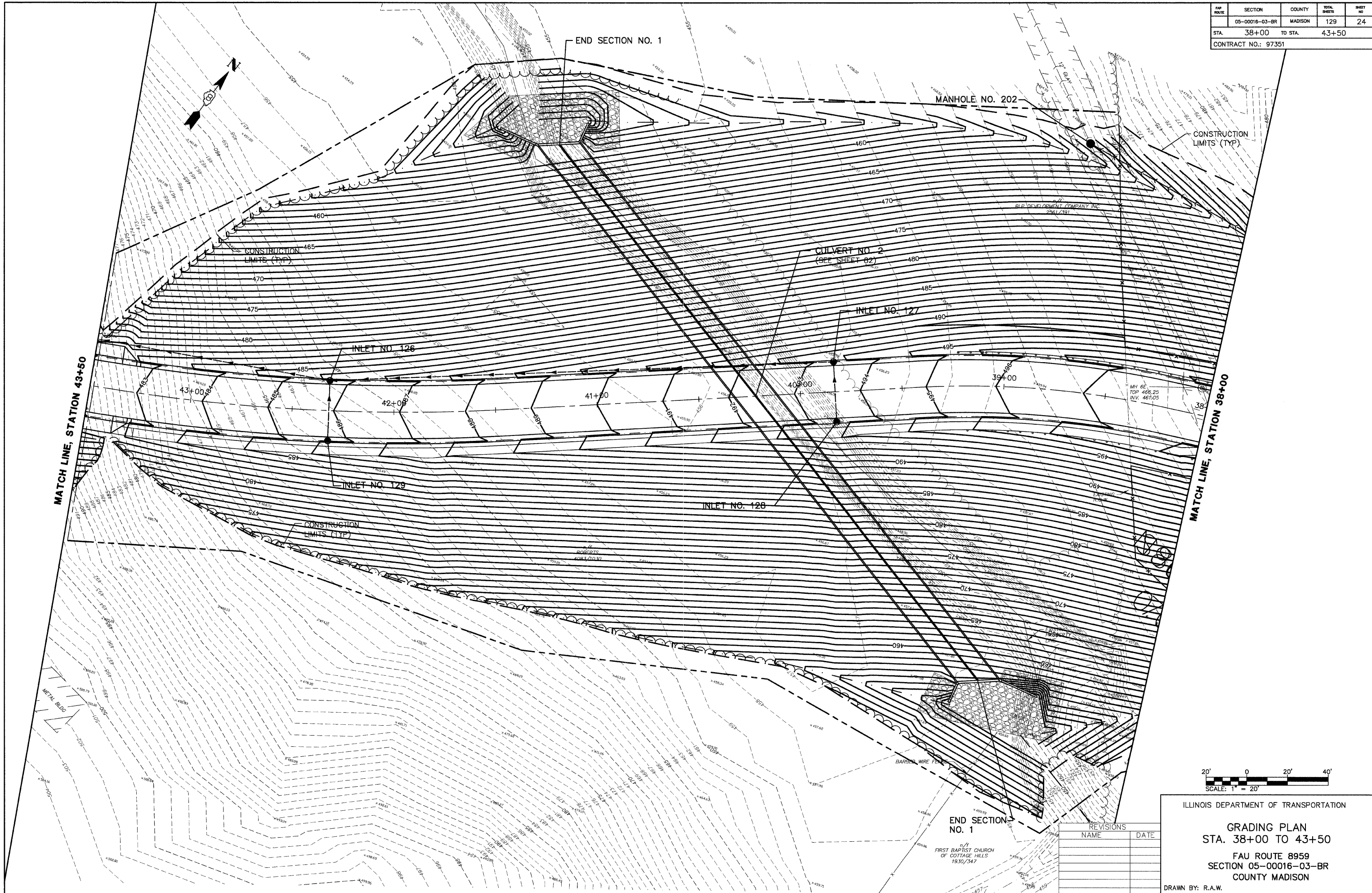
DATE	2/7/06
BY	J.P.F.
CHECKED	
DATE	2/7/06
BY	J.P.F.
CHECKED	
DATE	2/7/06
BY	J.P.F.
CHECKED	

DATE	2/7/06
BY	J.P.F.
CHECKED	
DATE	2/7/06
BY	J.P.F.
CHECKED	
DATE	2/7/06
BY	J.P.F.
CHECKED	



SCALE
HORIZ. 1"=20'
VERT. 1"=5'

FMP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00016-03-BR	MADISON	129	24
STA.	38+00	TO STA.	43+50	
CONTRACT NO.: 97351				



ILLINOIS DEPARTMENT OF TRANSPORTATION

GRADING PLAN
STA. 38+00 TO 43+50
FAU ROUTE 8959
SECTION 05-00016-03-BR
COUNTY MADISON

DRAWN BY: R.A.W.

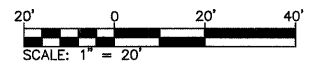
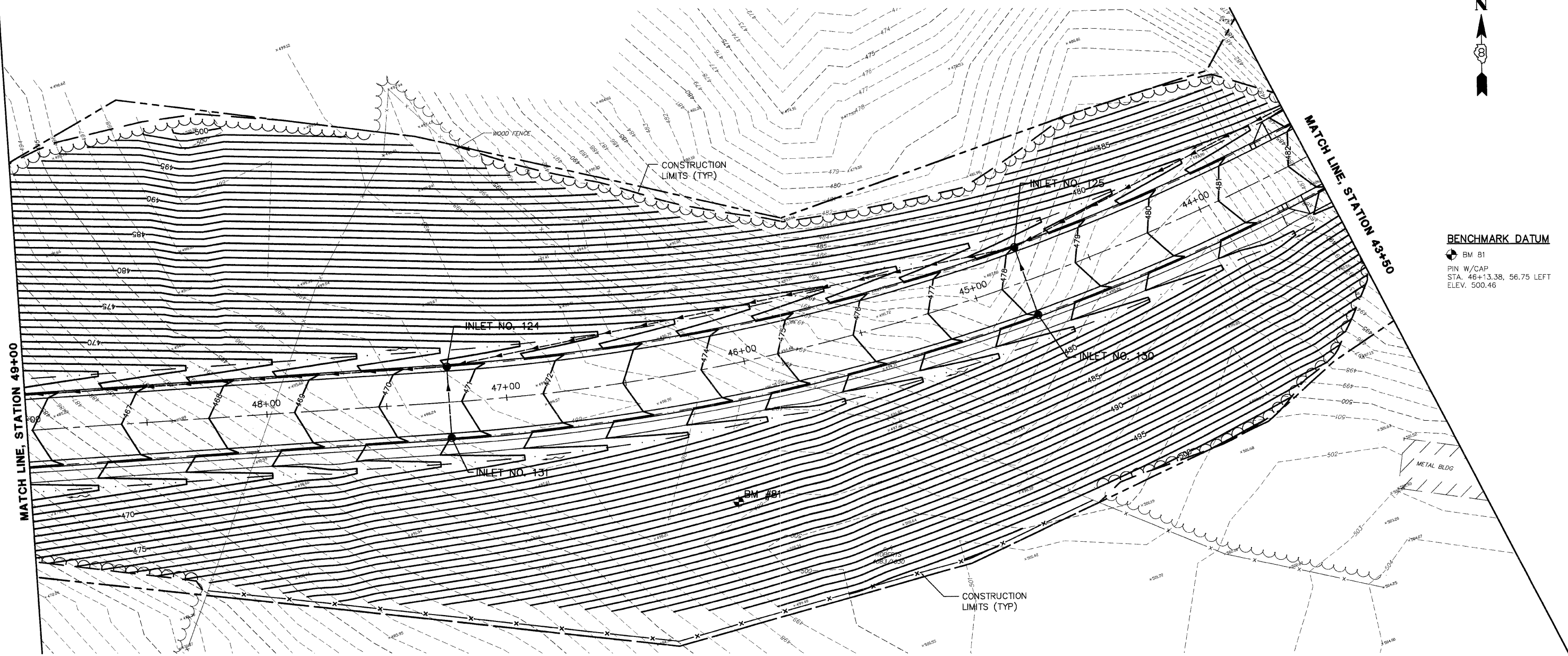
REVISIONS	
NAME	DATE

END SECTION NO. 1
 n/1
 FIRST BAPTIST CHURCH
 OF COTTAGE HILLS
 1930/347

FW ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
	05-00016-03-BR	MADISON	129	25
STA.	43+50	TO STA.	49+00	
CONTRACT NO.: 97351				



BENCHMARK DATUM
 BM 81
 PIN W/CAP
 STA. 46+13.38, 56.75 LEFT
 ELEV. 500.46



REVISIONS	
NAME	DATE

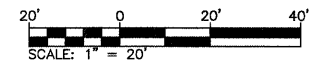
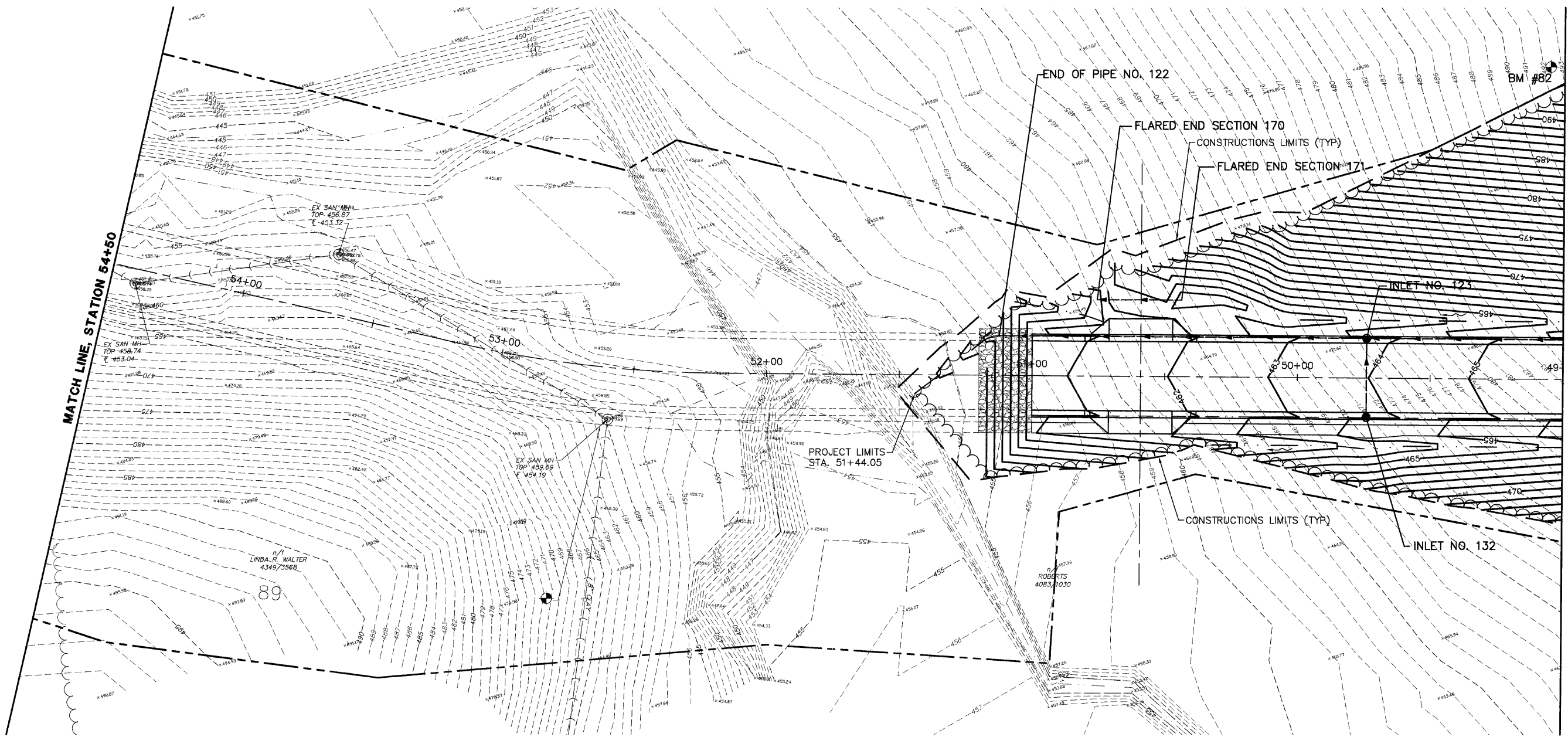
ILLINOIS DEPARTMENT OF TRANSPORTATION
GRADING PLAN
STA. 43+50 TO 49+00
 FAU ROUTE 8959
 SECTION 05-00016-03-BR
 COUNTY MADISON
 DRAWN BY: R.A.W.

FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
05-00016-03-BR	MADISON	129	26	
STA. 49+00		TO STA. 54+50		
CONTRACT NO.: 97351				



BENCHMARK DATUM

- BM 82
PIN W/CAP
STA. 49+05.25, 117.15 RIGHT
ELEV. 492.68
- BM 1039
TRAVERSE PIN
STA. 52+60.62, 22.35 LEFT
ELEV. 459.88



ILLINOIS DEPARTMENT OF TRANSPORTATION

GRADING PLAN
STA. 49+00 TO 54+50
 FAU ROUTE 8959
 SECTION 05-00016-03-BR
 COUNTY MADISON

DRAWN BY: R.A.W.

REVISIONS	
NAME	DATE

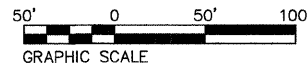
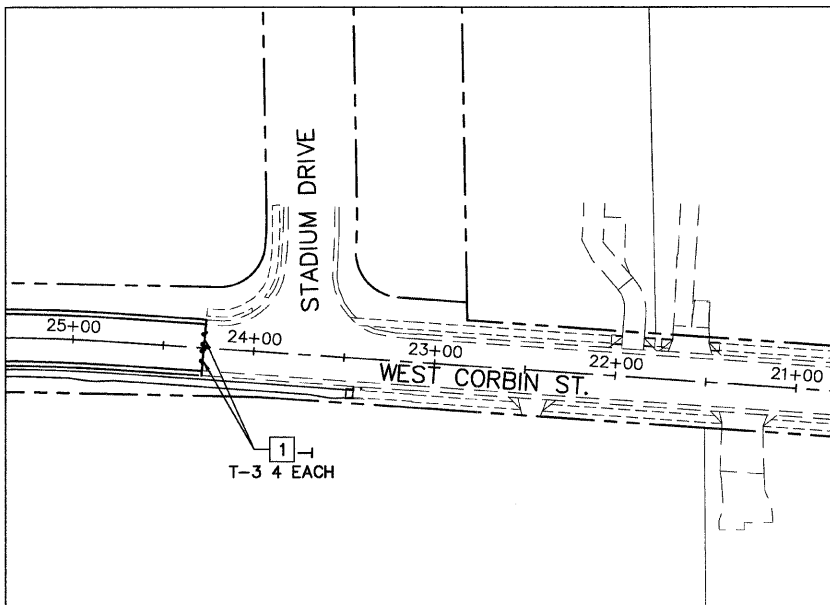
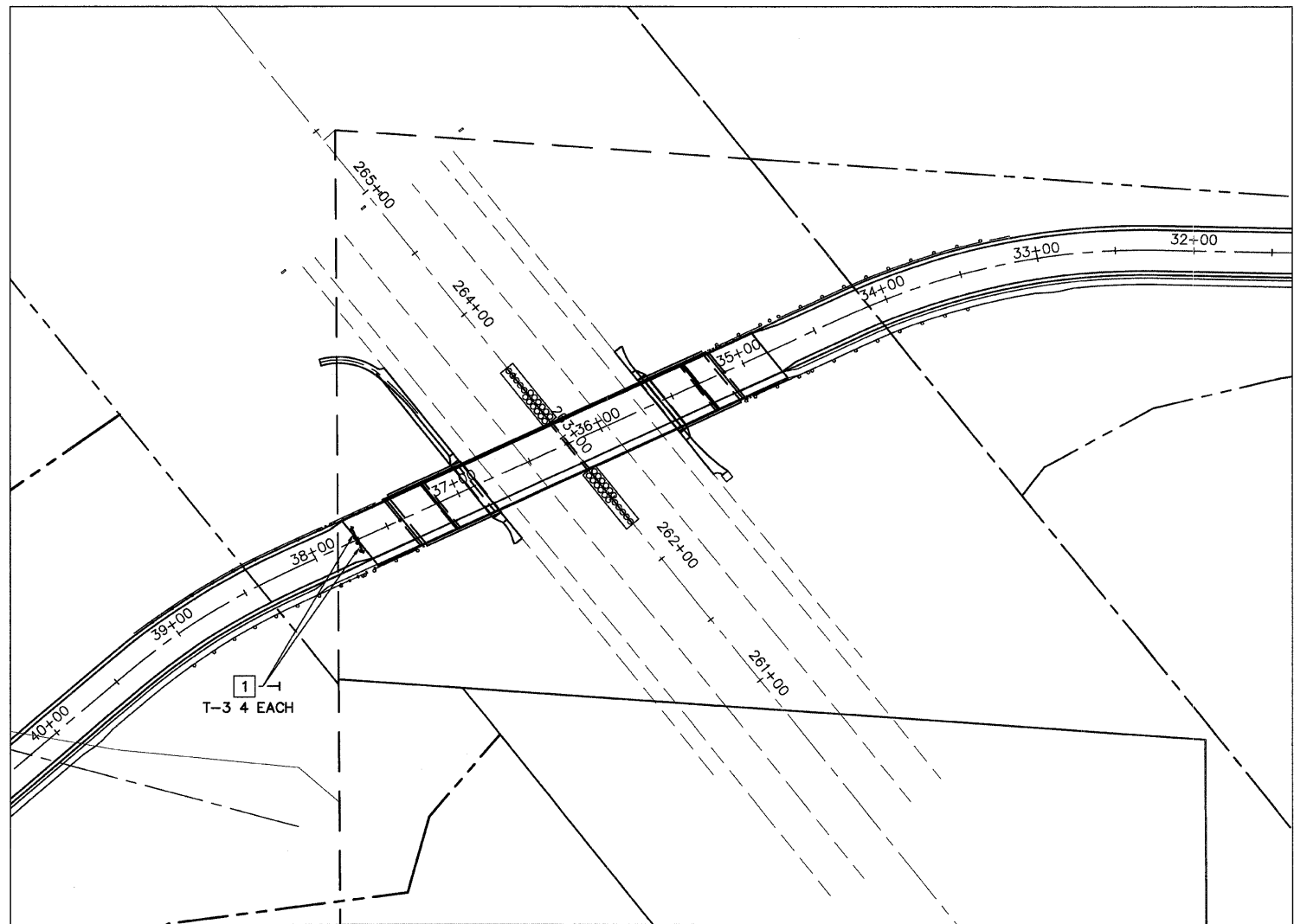
FAU ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00016-03-BR	MADISON	129	27
STA.		TO STA.		
CONTRACT NO.: 97351				

NOTES

1. ROAD CLOSURE IS IN ACCORDANCE WITH STD. 701901.
2. DISTANCES MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
3. EXACT LOCATIONS OF ALL WARNING SIGNS AND BARRICADES SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.

LEGEND

- 1 ROAD CLOSED R11-2
- ◇ 18" x 18" (MINIMUM) ORANGE FLAG
- FLASHING LIGHT
- ⚡ TYPE III BARRICADE WITH FLASHING LIGHT
- T SIGN LOCATION AND DIRECTION



REVISIONS	
NAME	DATE

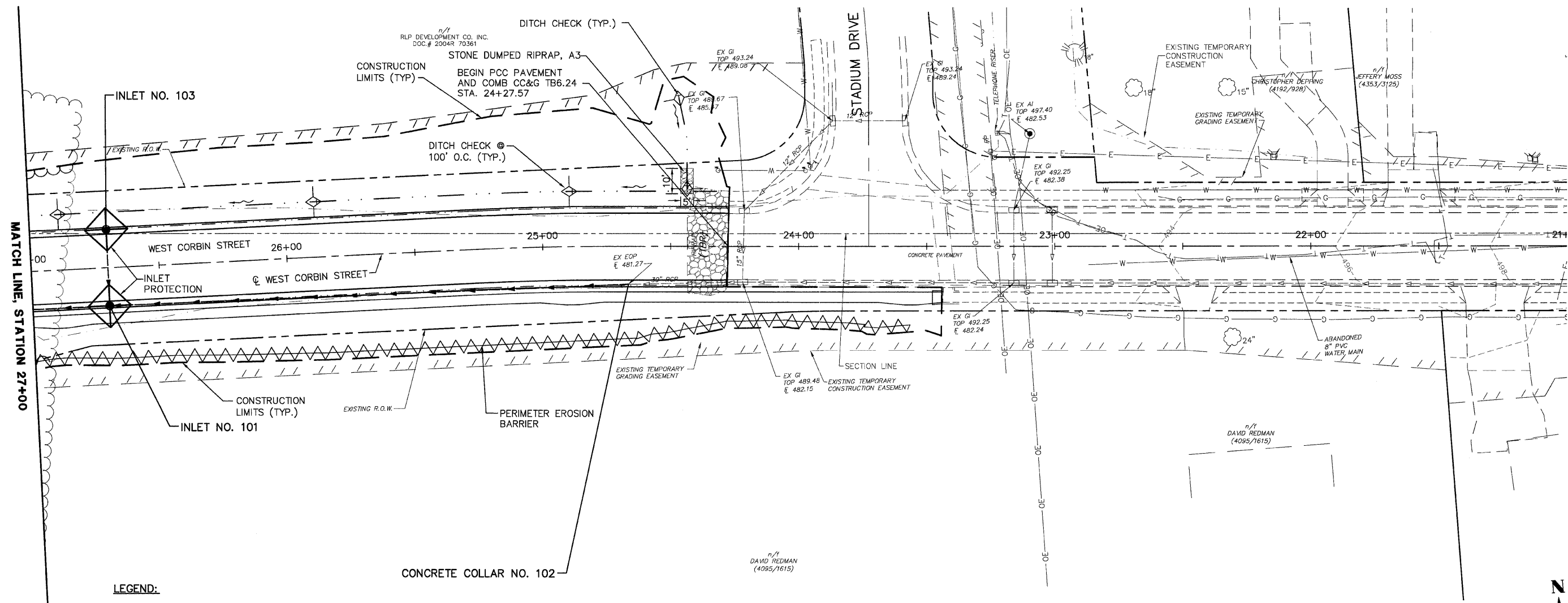
ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL

FAU ROUTE 8959
SECTION 05-00016-03-BR
COUNTY MADISON

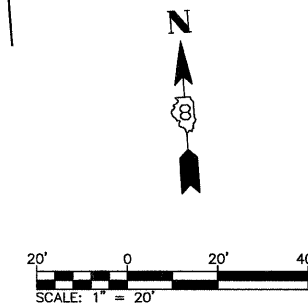
DRAWN BY: R.A.W.

PLAN	SURVEYED	DATE
NO.	BY	2/2/06
	PLOTTED	2/2/06
	NOTED	2/2/06
	REVISIONS	
	RT. OF WAY CHECKED	
	NO.	
	DATE	
	BY	
	FILE NAME	



LEGEND:

- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- ⊙ EXISTING SANITARY MANHOLE
- CONSTRUCTION LIMITS
- PROPOSED STORM SEWER
- PROPOSED SANITARY SEWER
- PROPOSED DITCH
- PROPOSED CURB INLET
- ⊙ PROPOSED STORM MANHOLE
- PROPOSED SANITARY MANHOLE
- ◇ PROPOSED DITCH CHECK (TEMPORARY)
- PROPOSED DITCH FLOW
- PERIMETER EROSION BARRIER
- ◇ PROPOSED INLET AND PIPE PROTECTION

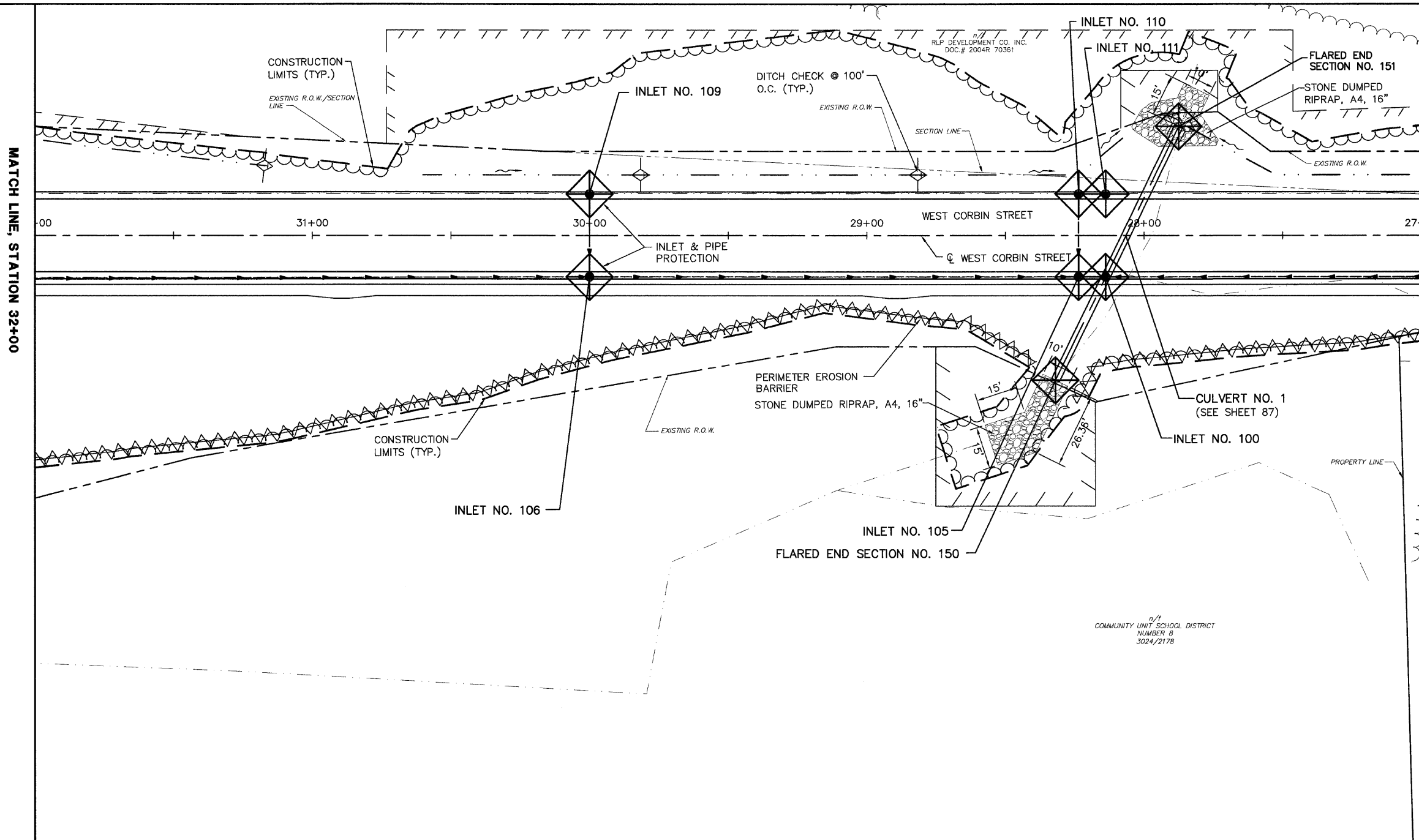


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EROSION AND SEDIMENT CONTROL PLANS—WEST CORBIN STREET
 FAU ROUTE 8959
 SECTION 05-00016-03-BR
 COUNTY MADISON
 DRAWN BY: R.A.W.

F&P ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
05-00016-03-BR		MADISON	129	29
STA. 27+00		TO STA. 32+00		
CONTRACT NO.: 97351				

DATE	BY	BY	BY
2/27/06	J.P.F.	J.P.F.	J.P.F.
2/27/06			
2/27/06			
NO.	NO.	NO.	NO.
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
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11	11	11	11
12	12	12	12
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49	49	49	49
50	50	50	50

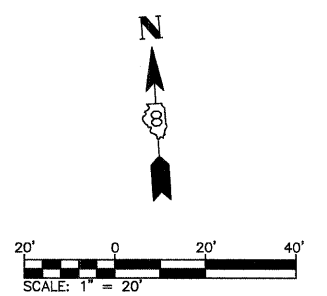


LEGEND:

	EXISTING STORM SEWER
	EXISTING SANITARY SEWER
	EXISTING SANITARY MANHOLE
	CONSTRUCTION LIMITS
	PROPOSED STORM SEWER
	PROPOSED SANITARY SEWER
	PROPOSED DITCH
	PROPOSED CURB INLET
	PROPOSED STORM MANHOLE
	PROPOSED SANITARY MANHOLE
	PROPOSED DITCH CHECK (TEMPORARY)
	PROPOSED DITCH FLOW
	PERIMETER EROSION BARRIER
	PROPOSED INLET AND PIPE PROTECTION

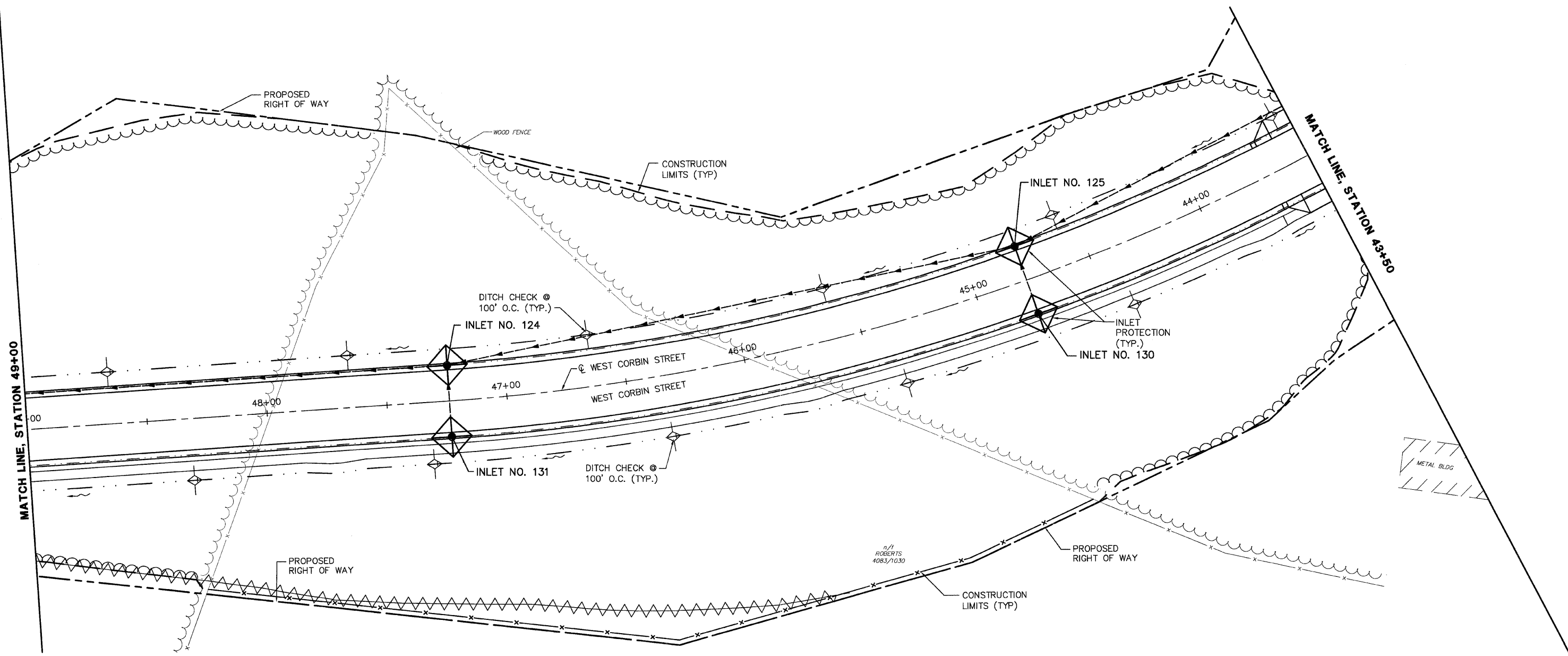
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EROSION AND SEDIMENT CONTROL PLANS—WEST CORBIN STREET
 FAU ROUTE 8959
 SECTION 05-00016-03-BR
 COUNTY MADISON
 DRAWN BY: R.A.W.

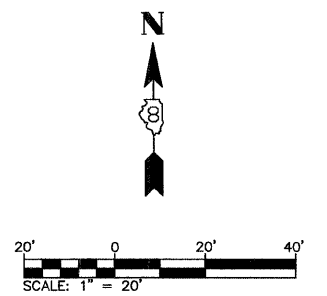


FMP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00016-03-BR	MADISON	129	32
STA.	43+50	TO STA.	49+00	
CONTRACT NO.: 97351				

PLAN	SURVEYED	DATE
NO.	BY	2/7/06
	J.L.L.	
	ERCO.	
	PLANNING	
	DESIGNED	
	CHECKED	
	BY	
	DATE	
	FILE NAME	



- LEGEND:**
- EXISTING STORM SEWER
 - EXISTING SANITARY SEWER
 - ⊙ EXISTING SANITARY MANHOLE
 - CONSTRUCTION LIMITS
 - PROPOSED STORM SEWER
 - PROPOSED SANITARY SEWER
 - PROPOSED DITCH
 - PROPOSED CURB INLET
 - ⊙ PROPOSED STORM MANHOLE
 - PROPOSED SANITARY MANHOLE
 - ◇ PROPOSED DITCH CHECK (TEMPORARY)
 - ~ PROPOSED DITCH FLOW
 - ▲ PERIMETER EROSION BARRIER
 - ◇ PROPOSED INLET AND PIPE PROTECTION

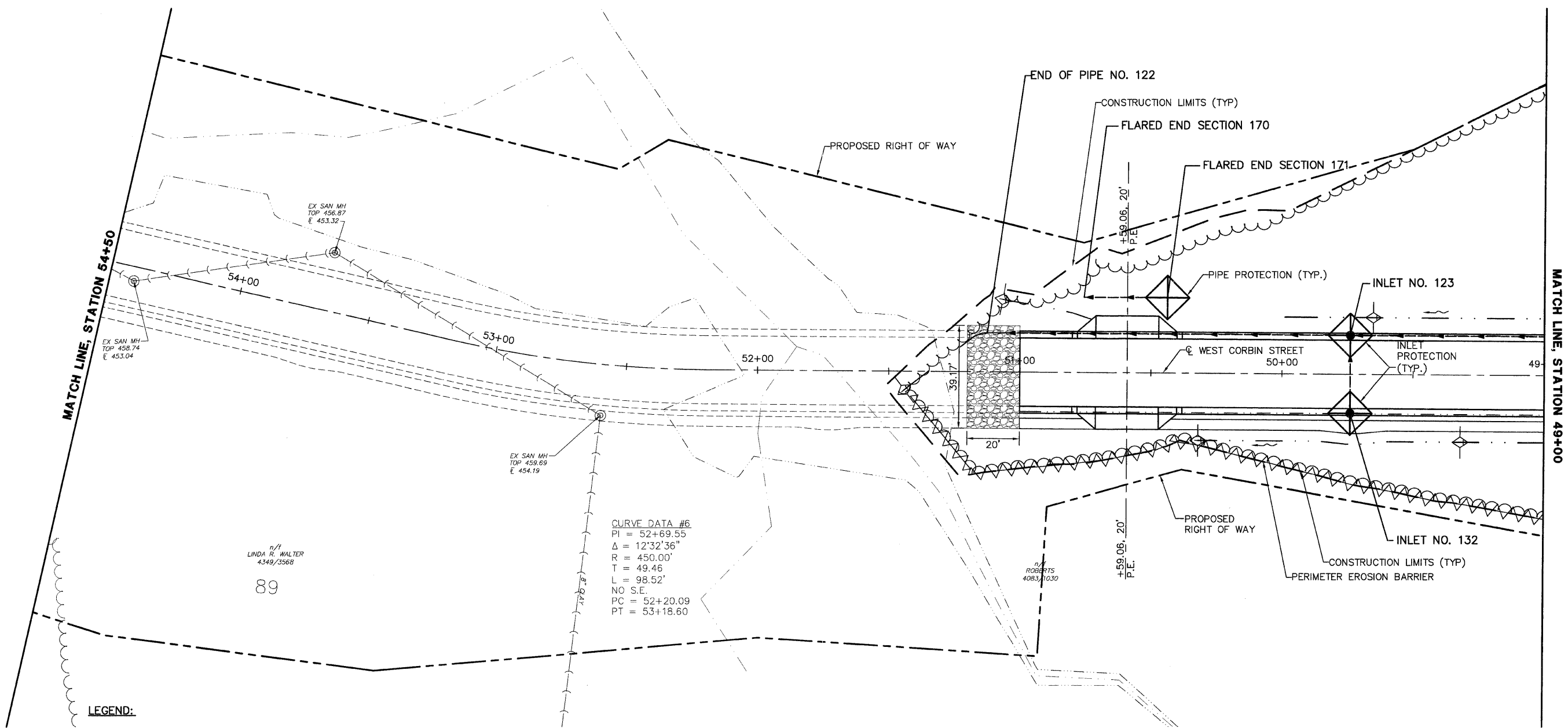


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**EROSION AND SEDIMENT CONTROL
 PLANS—WEST CORBIN STREET**
 FAU ROUTE 8959
 SECTION 05-00016-03-BR
 COUNTY MADISON
 DRAWN BY: R.A.W.

FAU ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
05-00016-03-BR	MADISON	129	33	
STA. 49+00		TO STA. 54+50		
CONTRACT NO.: 97351				

DATE	2/27/06
BY	A.T.C.
CHECKED	E.R.O.
PLANNED	
NOTED	
NO.	

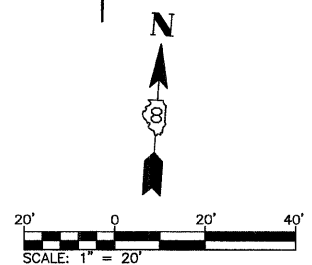


CURVE DATA #6
 PI = 52+69.55
 $\Delta = 12^{\circ}32'36''$
 R = 450.00'
 T = 49.46'
 L = 98.52'
 NO S.E.
 PC = 52+20.09
 PT = 53+18.60

- LEGEND:**
- EXISTING STORM SEWER
 - EXISTING SANITARY SEWER
 - ⊙ EXISTING SANITARY MANHOLE
 - CONSTRUCTION LIMITS
 - PROPOSED STORM SEWER
 - PROPOSED SANITARY SEWER
 - PROPOSED DITCH
 - PROPOSED CURB INLET
 - ⊙ PROPOSED STORM MANHOLE
 - PROPOSED SANITARY MANHOLE
 - ◇ PROPOSED DITCH CHECK (TEMPORARY)
 - PROPOSED DITCH FLOW
 - PERIMETER EROSION BARRIER
 - ◇ PROPOSED INLET AND PIPE PROTECTION

n/s
 LINDA R. WALTER
 4349/3568
 89

n/s
 ROBERTS
 4083/1030

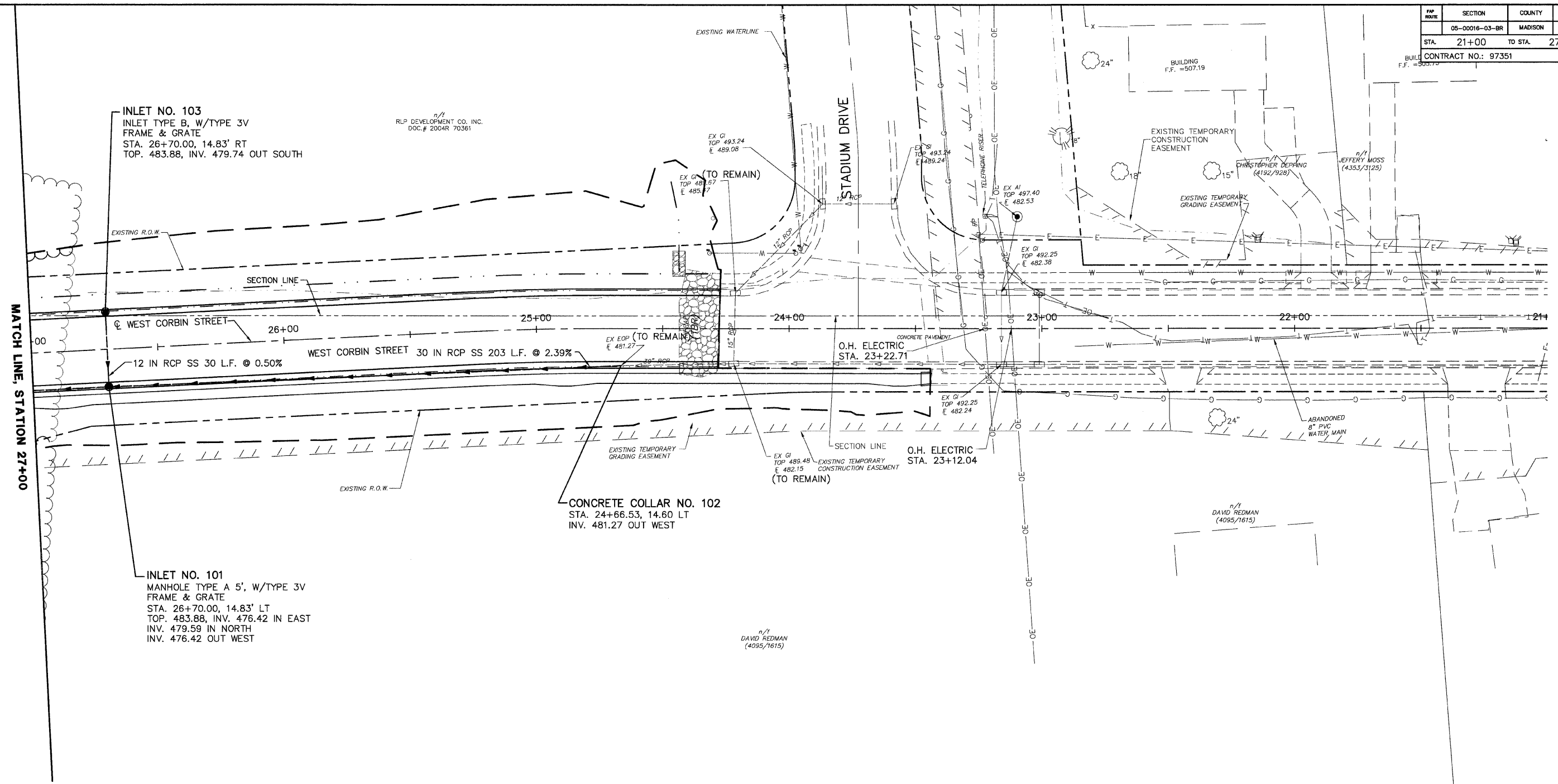


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EROSION AND SEDIMENT CONTROL PLANS—WEST CORBIN STREET
 FAU ROUTE 8959
 SECTION 05-00016-03-BR
 COUNTY MADISON
 DRAWN BY: R.A.W.

FW ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
	05-00016-03-BR	MADISON	129	34
STA. 21+00		TO STA. 27+00		
CONTRACT NO.: 97351				

DATE	2/27/06
BY	J.F.F.
CHECKED	E.R.O.
NO. OF WAY CHECKED	
NO. OF FILE NAME	



LEGEND:

	EXISTING STORM SEWER
	EXISTING SANITARY SEWER
	EXISTING SANITARY MANHOLE
	CONSTRUCTION LIMITS
	PROPOSED STORM SEWER
	PROPOSED SANITARY SEWER
	PROPOSED CURB INLET
	PROPOSED STORM MANHOLE
	PROPOSED SANITARY MANHOLE

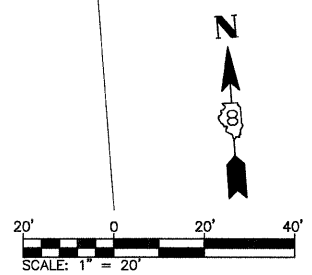
- NOTES:**
1. ALL UTILITY RELOCATION TO BE PERFORMED BY OTHERS.
 2. CULVERT PIPES, STORM SEWERS AND SANITARY SEWERS ARE 90° TO CENTER OF ROAD UNLESS OTHERWISE NOTED.
 3. STATION IS TO THE CENTER OF STRUCTURE UNLESS OTHERWISE NOTED.
 4. TOPS OF INLETS TYPE 3 AND TYPE 3V FRAME AND GRATE ARE TO THE EDGE OF PAVEMENT.
 5. FLARED END SECTIONS ARE INCLUDED IN LENGTHS OF PIPE.
 6. ALL LENGTHS ARE MEASURED FROM THE CENTER OF STRUCTURE UNLESS OTHERWISE NOTED.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

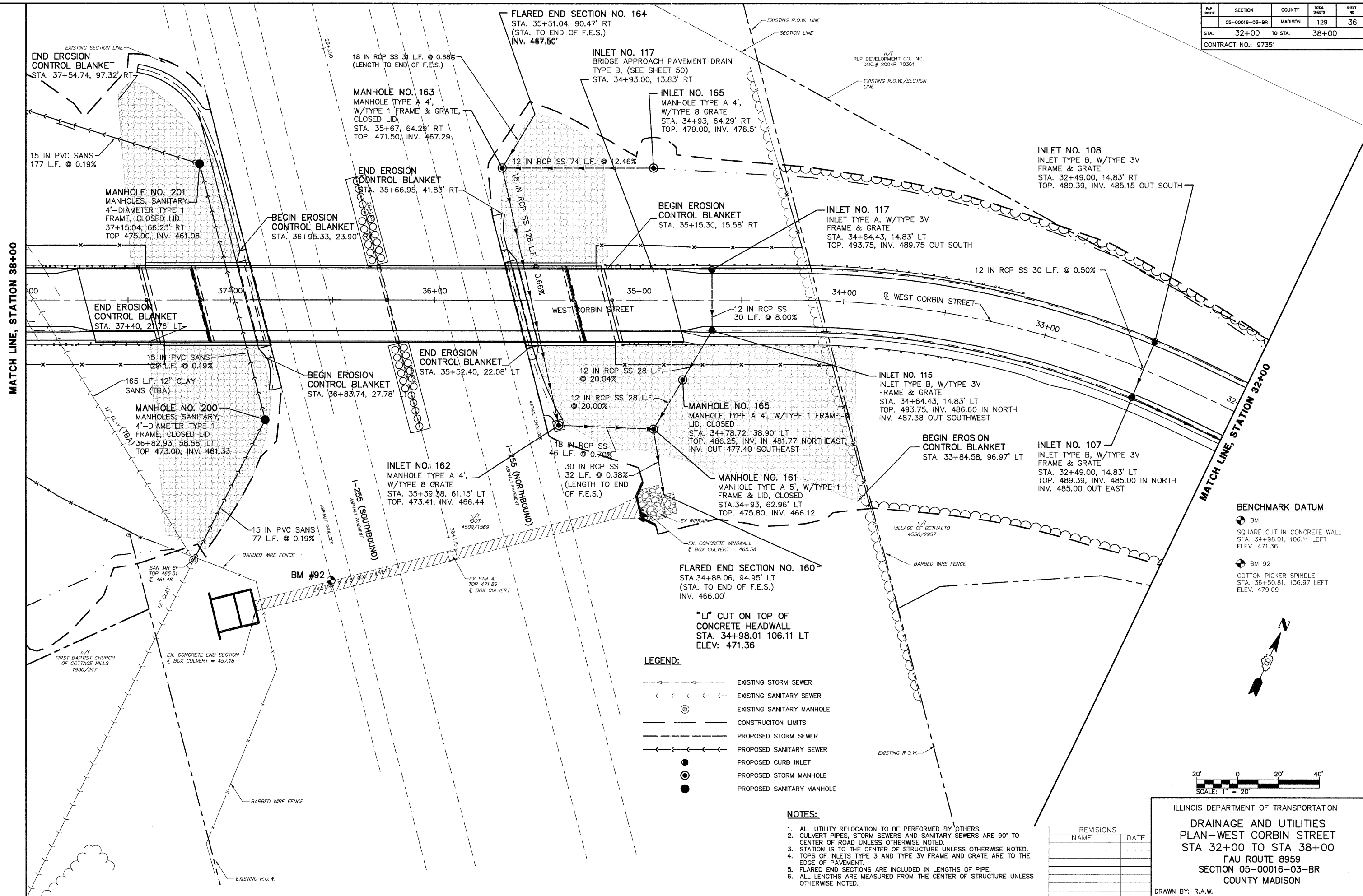
DRAINAGE AND UTILITIES PLAN—WEST CORBIN STREET
 STA 21+00 TO STA 27+00
 FAU ROUTE 8959
 SECTION 05-00016-03-BR
 COUNTY MADISON

DRAWN BY: R.A.W.



FWP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
05-00016-03-BR	MADISON	129	36	
STA. 32+00		TO STA. 38+00		
CONTRACT NO.: 97351				

DATE	BY	NO.
2/27/06	J.T.F.	2/27/06
2/27/06	E.R.O.	2/27/06
NO.	NO.	NO.
NO.	NO.	NO.

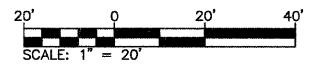


- BENCHMARK DATUM**
- BM SQUARE CUT IN CONCRETE WALL STA. 34+98.01, 106.11 LEFT ELEV. 471.36
 - BM 92 COTTON PICKER SPINDLE STA. 36+50.81, 136.97 LEFT ELEV. 479.09

- LEGEND:**
- EXISTING STORM SEWER
 - EXISTING SANITARY SEWER
 - ⊙ EXISTING SANITARY MANHOLE
 - CONSTRUCTION LIMITS
 - PROPOSED STORM SEWER
 - PROPOSED SANITARY SEWER
 - PROPOSED CURB INLET
 - PROPOSED STORM MANHOLE
 - PROPOSED SANITARY MANHOLE

- NOTES:**
- ALL UTILITY RELOCATION TO BE PERFORMED BY OTHERS.
 - CULVERT PIPES, STORM SEWERS AND SANITARY SEWERS ARE 90° TO CENTER OF ROAD UNLESS OTHERWISE NOTED.
 - STATION IS TO THE CENTER OF STRUCTURE UNLESS OTHERWISE NOTED.
 - TOPS OF INLETS TYPE 3 AND TYPE 3V FRAME AND GRATE ARE TO THE EDGE OF PAVEMENT.
 - FLARED END SECTIONS ARE INCLUDED IN LENGTHS OF PIPE.
 - ALL LENGTHS ARE MEASURED FROM THE CENTER OF STRUCTURE UNLESS OTHERWISE NOTED.

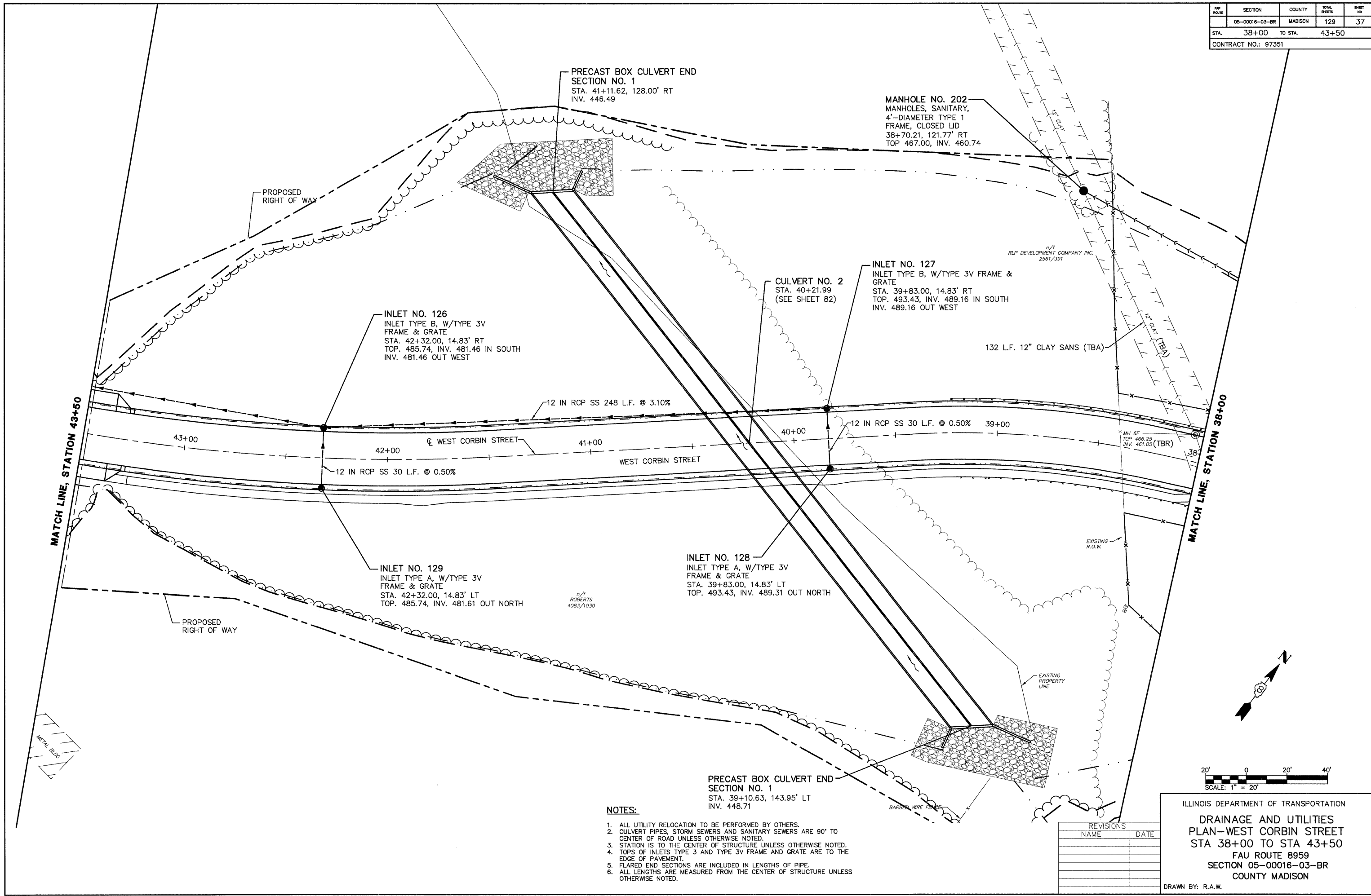
REVISIONS	
NAME	DATE



ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAINAGE AND UTILITIES PLAN—WEST CORBIN STREET
 STA 32+00 TO STA 38+00
 FAU ROUTE 8959
 SECTION 05-00016-03-BR
 COUNTY MADISON
 DRAWN BY: R.A.W.

FW ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
05-00016-03-BR	MADISON	129	37	
STA. 38+00	TO STA. 43+50			
CONTRACT NO.: 97351				

DATE	2/2/06
BY	J.P.
APPROVED	
PLANNED	
DESIGNED	
CHECKED	
NOTED	
NO.	



NOTES:

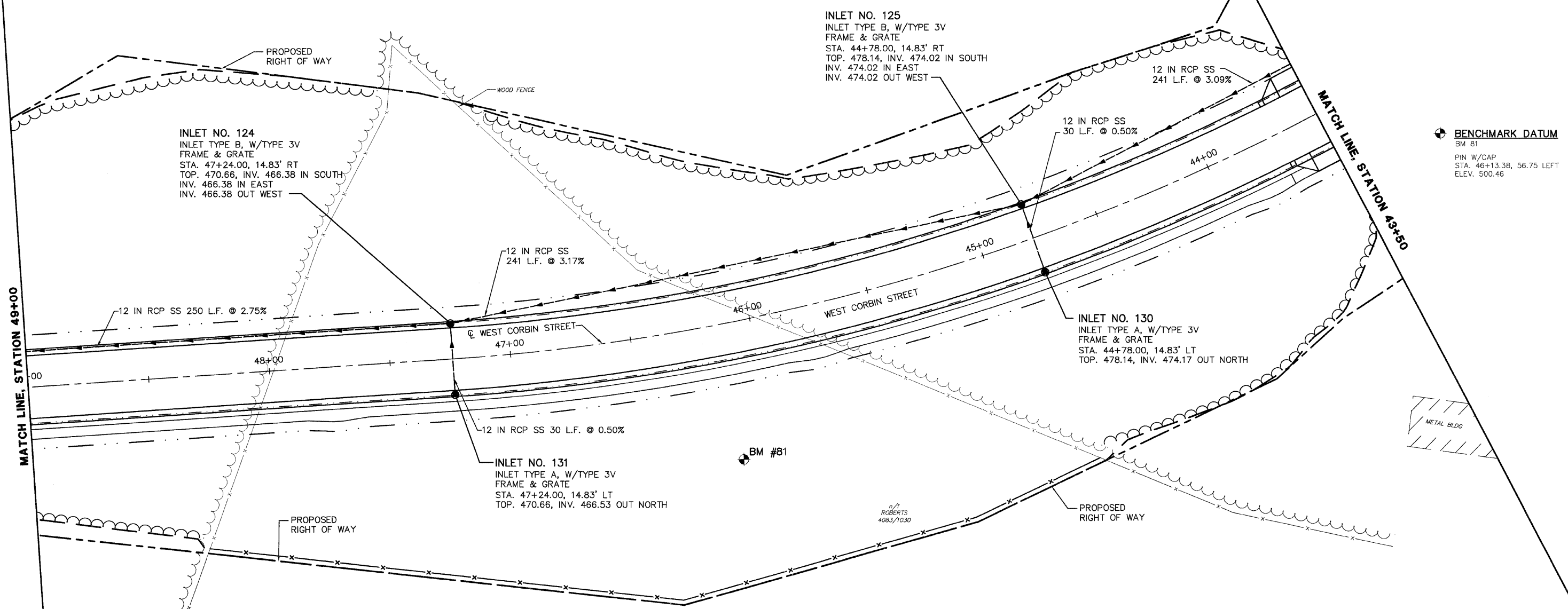
1. ALL UTILITY RELOCATION TO BE PERFORMED BY OTHERS.
2. CULVERT PIPES, STORM SEWERS AND SANITARY SEWERS ARE 90° TO CENTER OF ROAD UNLESS OTHERWISE NOTED.
3. STATION IS TO THE CENTER OF STRUCTURE UNLESS OTHERWISE NOTED.
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5. FLARED END SECTIONS ARE INCLUDED IN LENGTHS OF PIPE.
6. ALL LENGTHS ARE MEASURED FROM THE CENTER OF STRUCTURE UNLESS OTHERWISE NOTED.

REVISIONS	
NAME	DATE

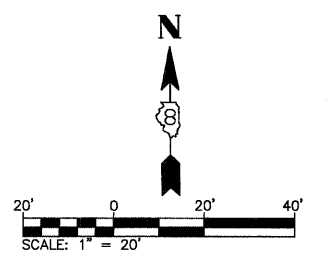
ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAINAGE AND UTILITIES
PLAN—WEST CORBIN STREET
STA 38+00 TO STA 43+50
 FAU ROUTE 8959
 SECTION 05-00016-03-BR
 COUNTY MADISON
 DRAWN BY: R.A.W.

FAU ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
05-00016-03-BR	MADISON	129	38	
STA. 43+50	TO STA. 49+00	CONTRACT NO.: 97351		

DATE	BY
2/7/06	J.F.F.
PLANNED	BY
2/7/06	J.F.F.
NOTED	BY
2/7/06	J.F.F.
NO.	NO.



BENCHMARK DATUM
 BM #81
 PIN W/CAP
 STA. 46+13.38, 56.75 LEFT
 ELEV. 500.46



- NOTES:**
1. ALL UTILITY RELOCATION TO BE PERFORMED BY OTHERS.
 2. CULVERT PIPES, STORM SEWERS AND SANITARY SEWERS ARE 90° TO CENTER OF ROAD UNLESS OTHERWISE NOTED.
 3. STATION IS TO THE CENTER OF STRUCTURE UNLESS OTHERWISE NOTED.
 4. TOPS OF INLETS TYPE 3 AND TYPE 3V FRAME AND GRATE ARE TO THE EDGE OF PAVEMENT.
 5. FLARED END SECTIONS ARE INCLUDED IN LENGTHS OF PIPE.
 6. ALL LENGTHS ARE MEASURED FROM THE CENTER OF STRUCTURE UNLESS OTHERWISE NOTED.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAINAGE AND UTILITIES
PLAN—WEST CORBIN STREET
STA 43+50 TO STA 49+00
 FAU ROUTE 8959
 SECTION 05-00016-03-BR
 COUNTY MADISON
 DRAWN BY: R.A.W.

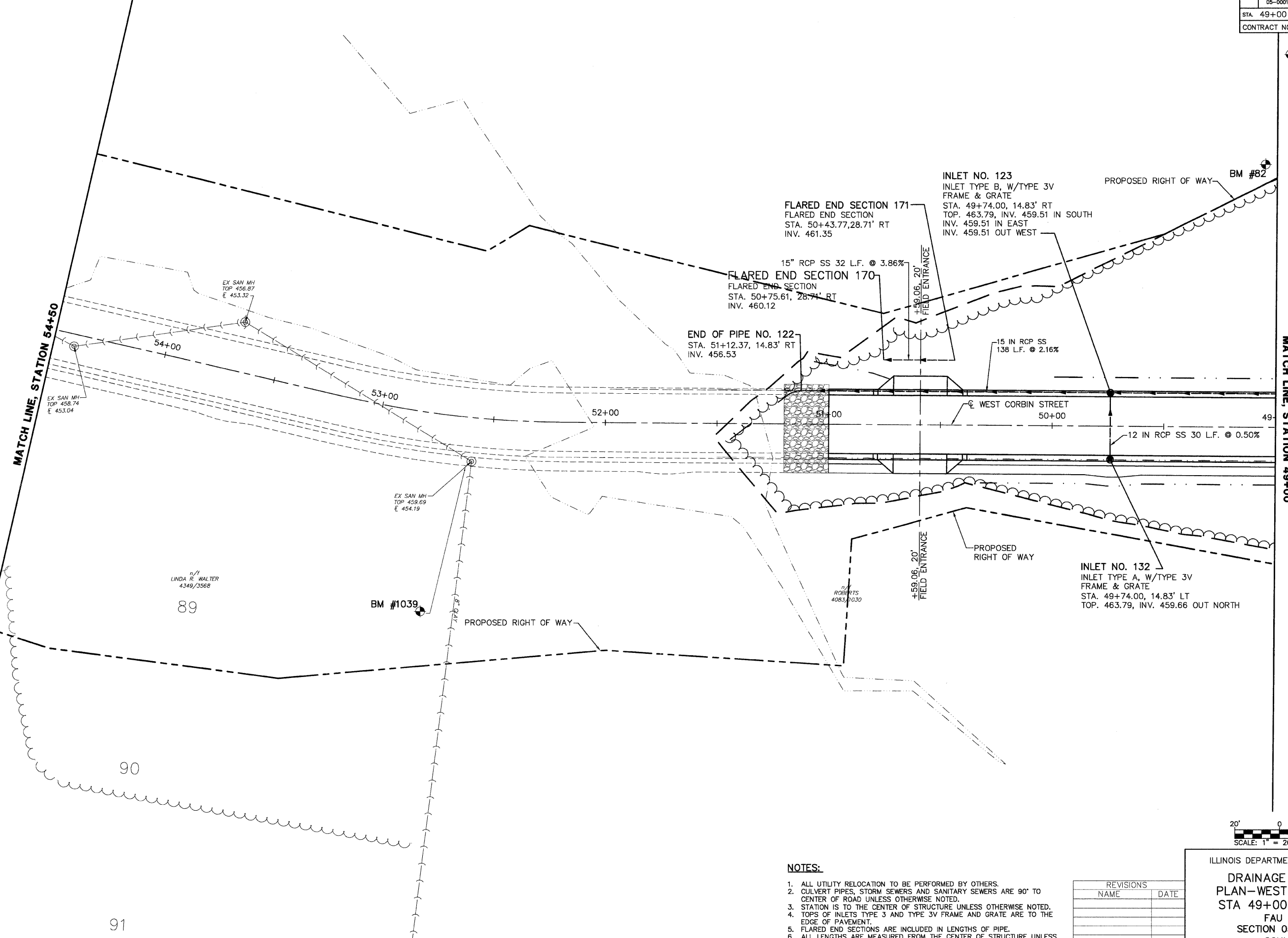
FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
05-00016-03-BR	MADISON	129	39	
STA. 49+00		TO STA. 54+50		
CONTRACT NO.: 97351				

BENCHMARK DATUM
 BM 82
 PIN W/CAP
 STA. 49+05.25, 117.15 RIGHT
 ELEV.: 492.68
 BM 1039
 TRAVERSE PIN
 STA. 52+60.62, 22.35 LEFT
 ELEV.: 459.88

PLAN	SUPERSEDED	DATE
NO. BOOK	BY DATE	2/2/06
NO.	PLOTTED BY	J.T.F.
	CHECKED BY	E.R.O.
	DATE	2/2/06
	NO. OF SHEETS	22
	NO. OF PAGES	22
	NO. OF FIGURES	22
	NO. OF TABLES	22
	NO. OF NOTES	22
	NO. OF DIMENSIONS	22
	NO. OF DIMENSION LINES	22
	NO. OF DIMENSION POINTS	22
	NO. OF DIMENSION VALUES	22
	NO. OF DIMENSION UNITS	22
	NO. OF DIMENSION DECIMALS	22
	NO. OF DIMENSION FRACTIONS	22
	NO. OF DIMENSION PERCENTS	22
	NO. OF DIMENSION ANGLES	22
	NO. OF DIMENSION RADIANS	22
	NO. OF DIMENSION DEGREES	22
	NO. OF DIMENSION MINUTES	22
	NO. OF DIMENSION SECONDS	22
	NO. OF DIMENSION FEET	22
	NO. OF DIMENSION INCHES	22
	NO. OF DIMENSION MILES	22
	NO. OF DIMENSION KILOMETERS	22
	NO. OF DIMENSION METERS	22
	NO. OF DIMENSION CENTIMETERS	22
	NO. OF DIMENSION MILLIMETERS	22
	NO. OF DIMENSION MICROMETERS	22
	NO. OF DIMENSION NANOMETERS	22
	NO. OF DIMENSION PICO METERS	22
	NO. OF DIMENSION FEMTO METERS	22
	NO. OF DIMENSION ATTO METERS	22
	NO. OF DIMENSION ZEPTO METERS	22
	NO. OF DIMENSION YOKTO METERS	22

MATCH LINE, STATION 54+50

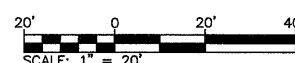
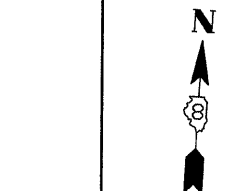
MATCH LINE, STATION 49+00



LINDA R. WALTER
 4349/3568

BM #1039

ROBERTS
 4083/1030



NOTES:

1. ALL UTILITY RELOCATION TO BE PERFORMED BY OTHERS.
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3. STATION IS TO THE CENTER OF STRUCTURE UNLESS OTHERWISE NOTED.
4. TOPS OF INLETS TYPE 3 AND TYPE 3V FRAME AND GRATE ARE TO THE EDGE OF PAVEMENT.
5. FLARED END SECTIONS ARE INCLUDED IN LENGTHS OF PIPE.
6. ALL LENGTHS ARE MEASURED FROM THE CENTER OF STRUCTURE UNLESS OTHERWISE NOTED.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**DRAINAGE AND UTILITIES
 PLAN—WEST CORBIN STREET
 STA 49+00 TO STA 54+50**
 FAU ROUTE 8959
 SECTION 05-00016-03-BR
 COUNTY MADISON
 DRAWN BY: R.A.W.

91

PART OF THE SE 1/4 OF SECTION 2, T5N, R9W, OF THE 3RD PM, MADISON COUNTY, ILLINOIS

BEARINGS SHOWN HEREON ARE BASED ON AN ASSUMED BEARING OF N00°20'14"W ALONG THE WEST LINE OF THE SE 1/4 OF SECTION 2.

STATE OF ILLINOIS)
) SS
COUNTY OF)

I, DALE L. WOOLARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, CERTIFY 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 _____

DALE L. WOOLARD, PLS NO. 035-003321
LICENSE EXPIRATION DATE: 11/30/2010

CURVE TABLE				
CURVE	CHORD BEARING	CHORD LENGTH	LENGTH	RADIUS
C1	S00°13'10"E	3.24'	3.24	125.00'
C2	S02°14'05"W	7.47'	7.47'	125.00'
C3	S47°33'49"W	34.49'	38.06'	25.00'

LINE TABLE		
LINE	BEARING	DIST
L1	S03°56'47"W	5.46'
L2	N51°56'23"W	23.66'
L3	S89°40'14"W	19.66'
L4	S72°04'35"W	41.79'
L5	N86°03'20"W	57.69'
L6	S01°10'05"W	29.47'
L7	N86°11'03"E	83.70'
L8	N71°02'13"E	25.36'
L9	N82°10'03"E	12.99'
L10	S86°03'00"E	46.00'
L11	S88°49'55"E	35.74'
L12	S88°49'55"E	14.26'
L13	S64°00'42"E	47.64'

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8959	05-00016-03-BR	MADISON	129	40
STA. 53+00		TO STA. 68+00		
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT				
CONTRACT NO. 97351				

CURVE DATA #3
PI = 33+23.94
Δ = 25°44'17"
R = 450.00'
T = 102.81
L = 202.15'
NO S.E.
PC = 32+22.86
PT = 34+25.01

n/f
RLP DEVELOPMENT CO. INC.
DOC# 2004R 70361

n/f
IDOT
4527/3496

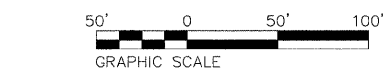
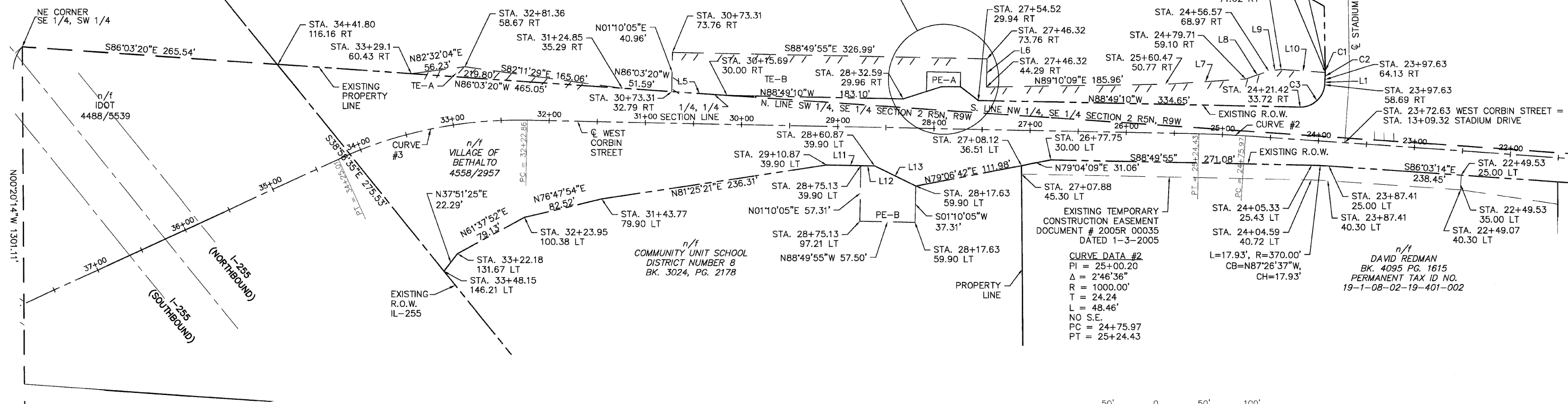
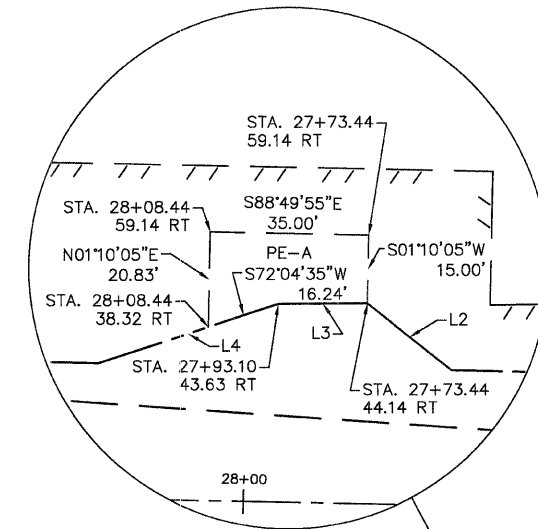
NE CORNER
SE 1/4, SW 1/4

n/f
IDOT
4488/5539

(NORTHBOUND)
I-255
(SOUTHBOUND)
I-255

SW CORNER, SE 1/4
P.O.C. TRACT P.E. B
IRON PIPE

SPACE RESERVED FOR RECORDING OFFICER



PARCEL NO.	OWNER	TOTAL HOLDING ACRES	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			ACRES	SQ. FT.		
10.17	RLP DEVELOPMENT CO. INC.	10.17	PE-A 0.0133 ACRES	579	19-1-08-02-00-000-017.002	
			TE-A 0.0657 ACRES	1223		
			TE-B 0.4989 ACRES	21730		
34.8483	COMMUNITY UNIT SCHOOL DISTRICT 8	34.8483	PE-B 0.0657 ACRES	2863	19-1-08-02-19-401-003	

REVISION	
DATE	DESCRIPTION

Hoelscher Engineering, P.C.
11 Executive Drive, Suite 12
Fairview Heights, Illinois 62208
(618)624-8610 FAX: (618)624-8611

PLAT OF HIGHWAYS
MADISON COUNTY
STATION 53+00 TO STATION 68+00
SHEET OF

COMPLETION DATE OF FIELD WORK PERFORMED
LAND SURVEY:
RIGHT OF WAY STAKING:

PART OF THE SE 1/4 & SW 1/4 OF SECTION 2, T5N, R9W, OF THE 3RD PM, MADISON COUNTY, ILLINOIS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8959	05-00016-03-BR	MADISON	129	41
STA. 53+00		TO STA. 68+00		
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT				
CONTRACT NO. 97351				

BEARINGS SHOWN HEREON ARE BASED ON AN ASSUMED BEARING OF N00°20'14"W ALONG THE WEST LINE OF THE SE 1/4 OF SECTION 2.

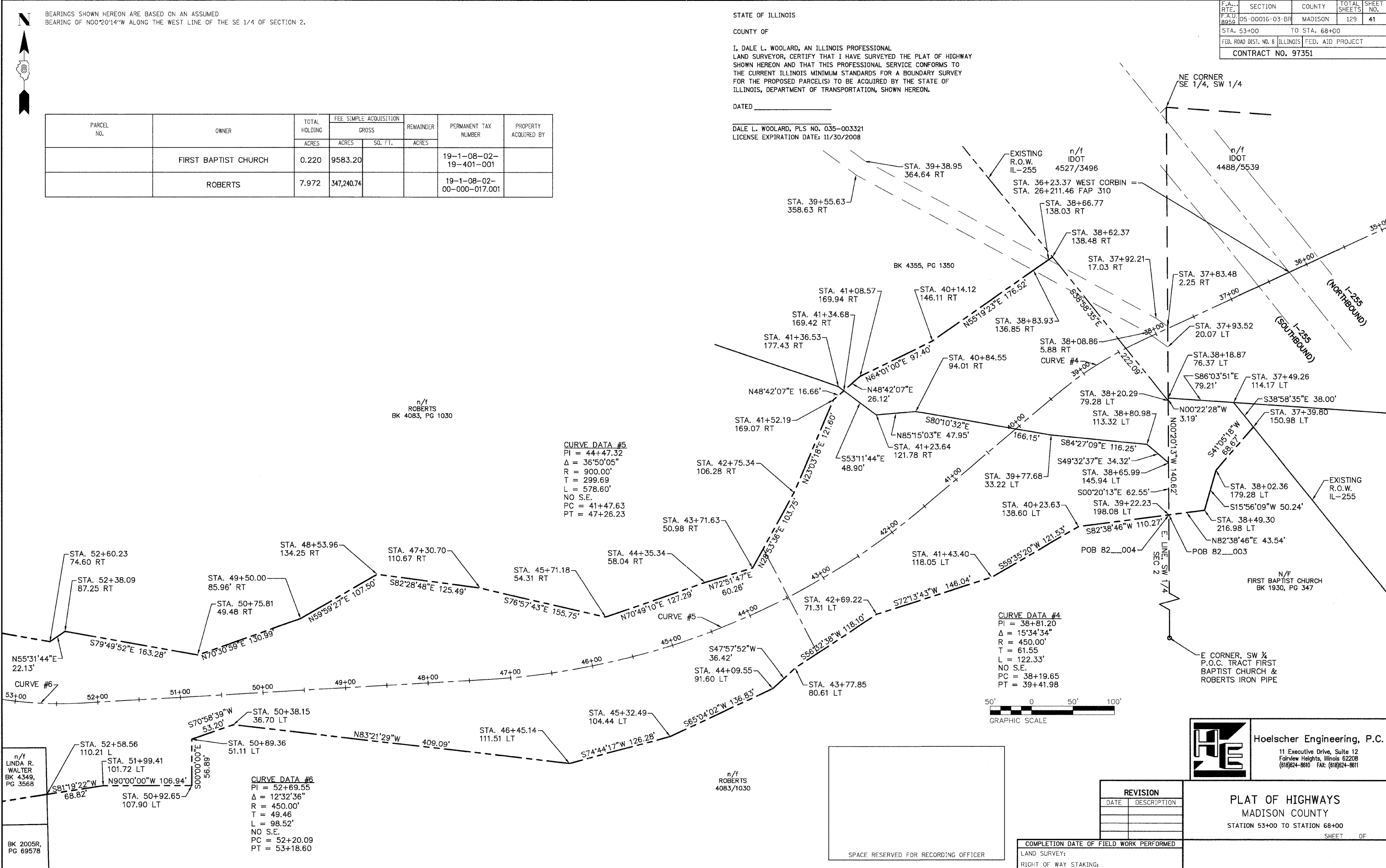
STATE OF ILLINOIS
 COUNTY OF
 I, DALE L. WOOLARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, CERTIFY THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.
 DATED _____
 DALE L. WOOLARD, PLS NO. 035-003321
 LICENSE EXPIRATION DATE: 11/30/2008

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	FEE SIMPLE ACQUISITION		REMAINDER ACRES	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			GROSS ACRES	SQ. FT.			
	FIRST BAPTIST CHURCH	0.220	9583.20			19-1-08-02-19-401-001	
	ROBERTS	7.972	347,240.74			19-1-08-02-00-000-017.001	

CURVE DATA #5
 PI = 44+47.32
 Δ = 36°50'05"
 R = 900.00'
 T = 299.69
 L = 578.60'
 NO S.E.
 PC = 41+47.63
 PT = 47+26.23

CURVE DATA #4
 PI = 38+81.20
 Δ = 15°34'34"
 R = 450.00'
 T = 61.55
 L = 122.33'
 NO S.E.
 PC = 38+19.65
 PT = 39+41.98

CURVE DATA #6
 PI = 52+69.55
 Δ = 12°32'36"
 R = 450.00'
 T = 49.46
 L = 98.52'
 NO S.E.
 PC = 52+20.09
 PT = 53+18.60



n/f LINDA R. WALTER
 BK 4349, PG 3568

n/f ROBERTS
 4083/1030

Hoelscher Engineering, P.C.
 11 Executive Drive, Suite 12
 Fairview Heights, Illinois 62208
 (618)624-8610 FAX: (618)624-8611

REVISION	
DATE	DESCRIPTION

PLAT OF HIGHWAYS
 MADISON COUNTY
 STATION 53+00 TO STATION 68+00
 SHEET 01 OF

COMPLETION DATE OF FIELD WORK PERFORMED
 LAND SURVEY:
 RIGHT OF WAY STAKING:

SPACE RESERVED FOR RECORDING OFFICER

PART OF THE SW 1/4 OF SECTION 2, T5N, R9W, OF THE 3RD PM, MADISON COUNTY, ILLINOIS

BEARINGS SHOWN HEREON ARE BASED ON AN ASSUMED BEARING OF N00°20'14"W ALONG THE WEST LINE OF THE SE 1/4 OF SECTION 2.

STATE OF ILLINOIS
 COUNTY OF
 I, DALE L. WOOLARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, CERTIFY 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.

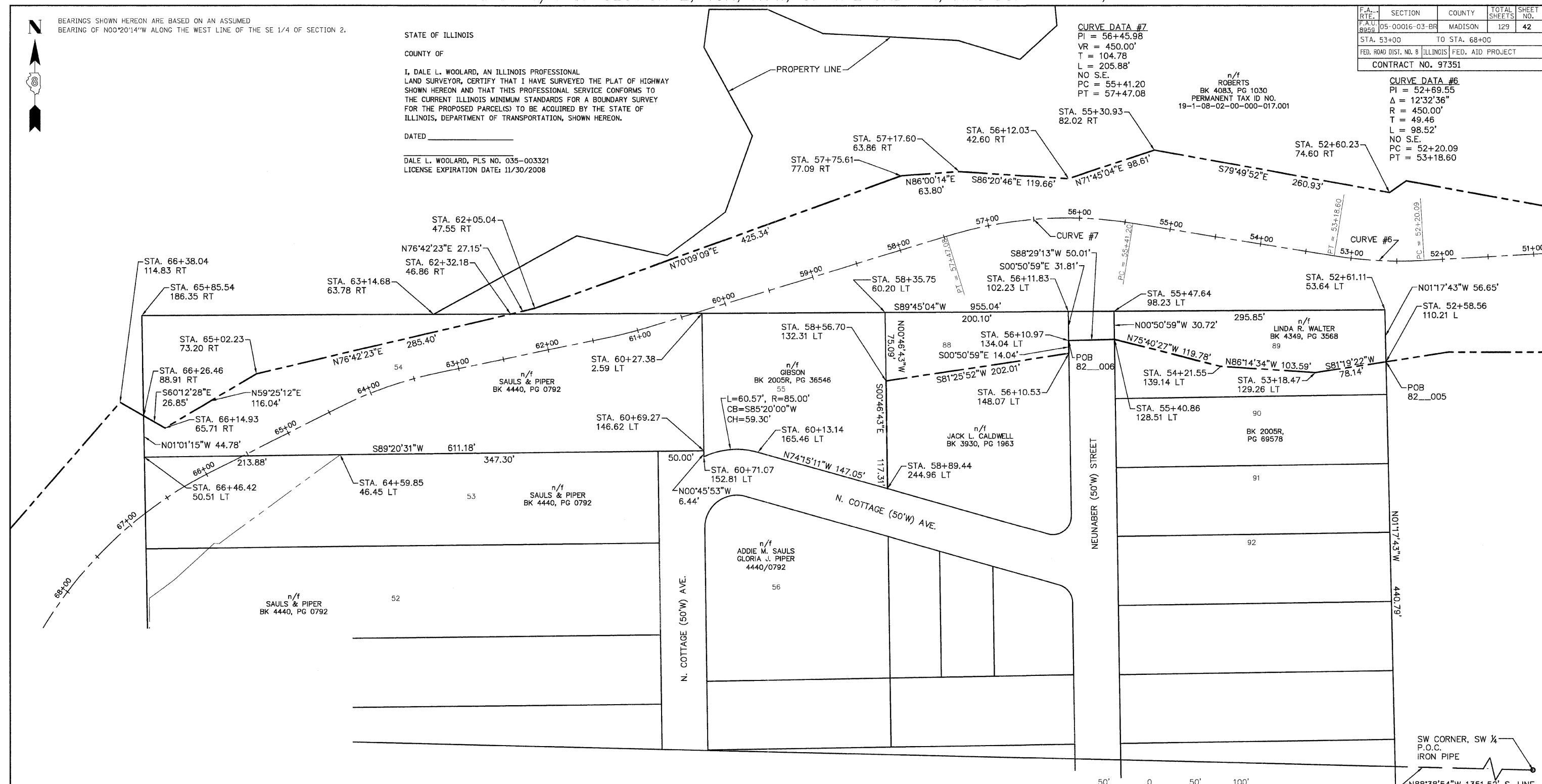
DATED _____
 DALE L. WOOLARD, PLS. NO. 035-003321
 LICENSE EXPIRATION DATE: 11/30/2008

CURVE DATA #7
 PI = 56+45.98
 VR = 450.00'
 T = 104.78
 L = 205.88'
 NO S.E.
 PC = 55+41.20
 PT = 57+47.08

n/f ROBERTS
 BK 4083, PG 1030
 PERMANENT TAX ID NO.
 19-1-08-02-00-000-017.001

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8959	05-00016-03-BR	MADISON	129	42
STA. 53+00		TO STA. 68+00		
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT				
CONTRACT NO. 97351				

CURVE DATA #6
 PI = 52+69.55
 Δ = 12°32'36"
 R = 450.00'
 T = 49.46
 L = 98.52'
 NO S.E.
 PC = 52+20.09
 PT = 53+18.60



SW CORNER, SW 1/4 P.O.C. IRON PIPE
 N88°38'54"W 1351.52' S. LINE
 SW 1/4 SEC 2, T. 5N, R. 9W

SPACE RESERVED FOR RECORDING OFFICER

PARCEL NO.	OWNER	TOTAL HOLDING	FEE SIMPLE ACQUISITION		REMAINDER	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
		ACRES	ACRES	SQ. FT.			
	WALKER					19-2-08-02-17-301-014	
	CALDWELL					19-2-08-02-17-301-007	
	GIBSON					19-2-08-02-17-301-006	
	SAULS & PIPER					19-2-08-02-17-301-001	

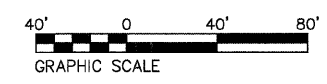
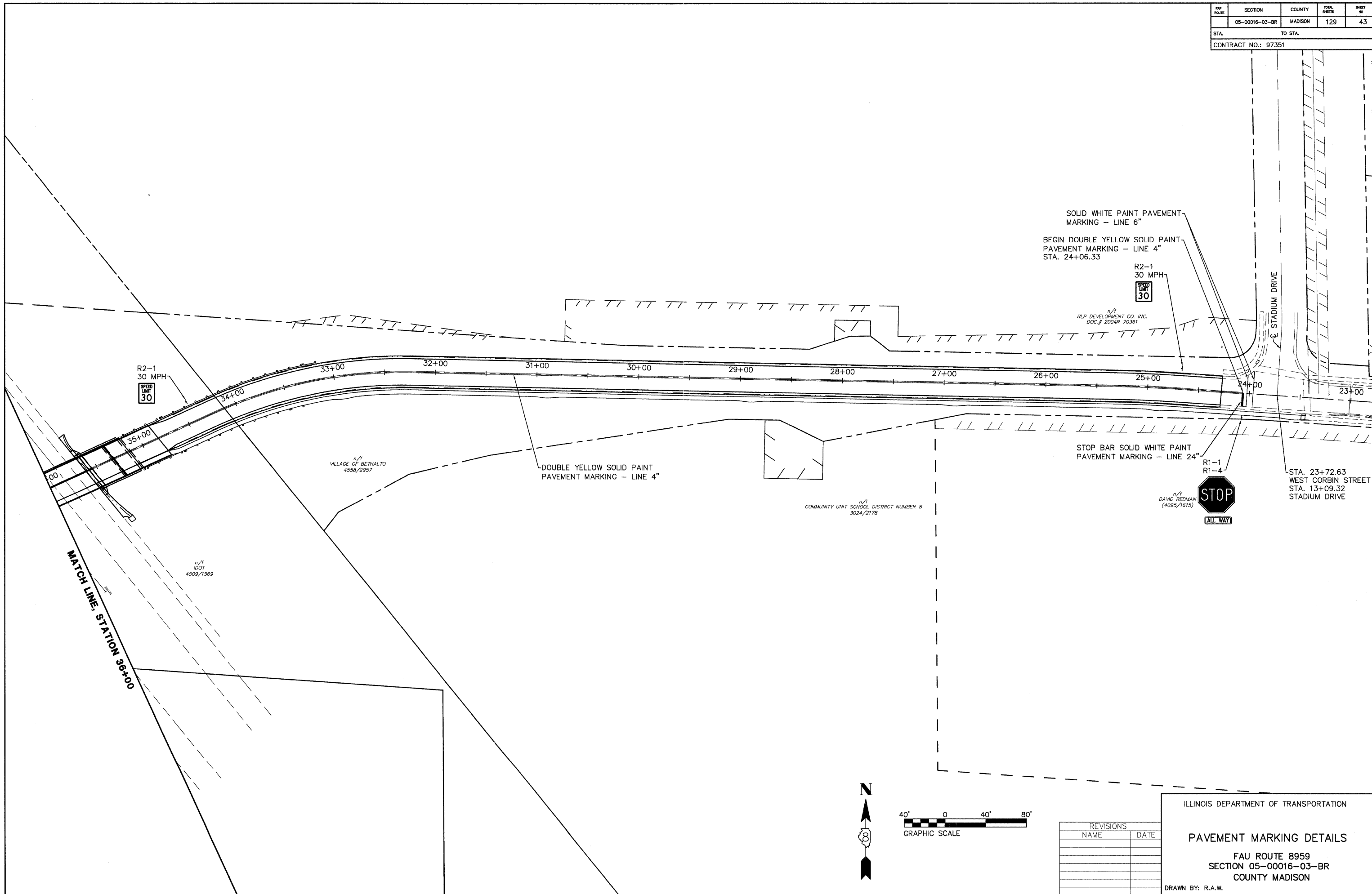
REVISION	
DATE	DESCRIPTION

Hoelscher Engineering, P.C.
 11 Executive Drive, Suite 12
 Fairview Heights, Illinois 62208
 (618)624-8610 FAX: (618)624-8611

PLAT OF HIGHWAYS
MADISON COUNTY
 STATION 53+00 TO STATION 68+00
 SHEET OF

COMPLETION DATE OF FIELD WORK PERFORMED
 LAND SURVEY:
 RIGHT OF WAY STAKING:

FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
	05-00016-03-BR	MADISON	129	43
STA. TO STA.				
CONTRACT NO.: 97351				



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

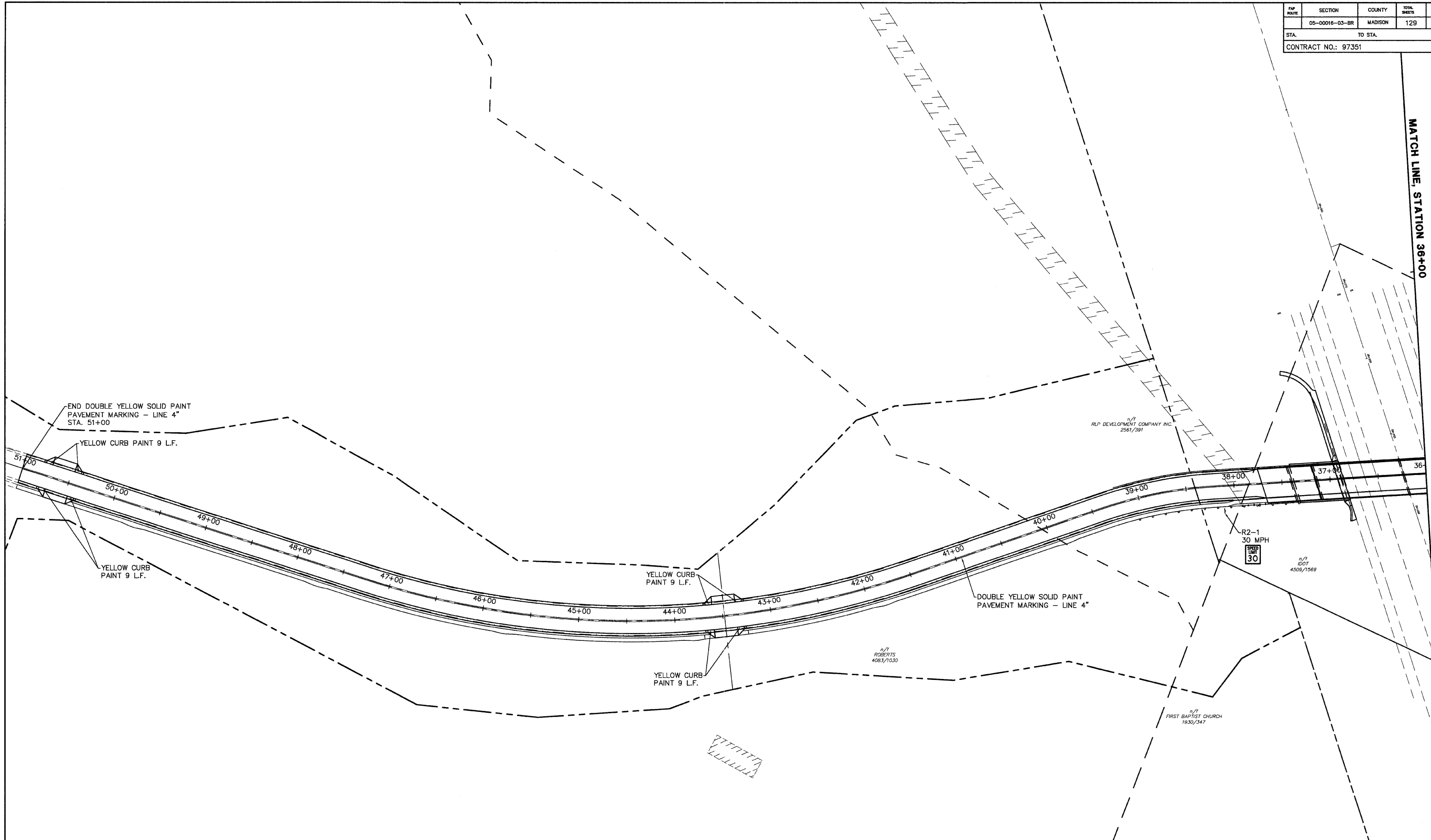
PAVEMENT MARKING DETAILS

FAU ROUTE 8959
SECTION 05-00016-03-BR
COUNTY MADISON

DRAWN BY: R.A.W.

F&P ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00016-03-BR	MADISON	129	44
STA.		TO STA.		
CONTRACT NO.: 97351				

MATCH LINE, STATION 36+00



END DOUBLE YELLOW SOLID PAINT PAVEMENT MARKING - LINE 4"
STA. 51+00

YELLOW CURB PAINT 9 L.F.

YELLOW CURB PAINT 9 L.F.

YELLOW CURB PAINT 9 L.F.

YELLOW CURB PAINT 9 L.F.

DOUBLE YELLOW SOLID PAINT PAVEMENT MARKING - LINE 4"

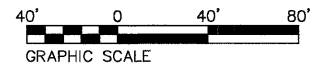
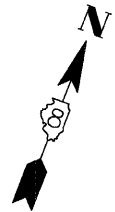
n/f
RLP DEVELOPMENT COMPANY INC.
2561/391

R2-1
30 MPH
SPEED LIMIT 30

n/f
IDOT
4509/1569

n/f
ROBERTS
4083/1030

n/f
FIRST BAPTIST CHURCH
1930/347



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

FAU ROUTE 8959
SECTION 05-00016-03-BR
COUNTY MADISON

DRAWN BY: R.A.W.

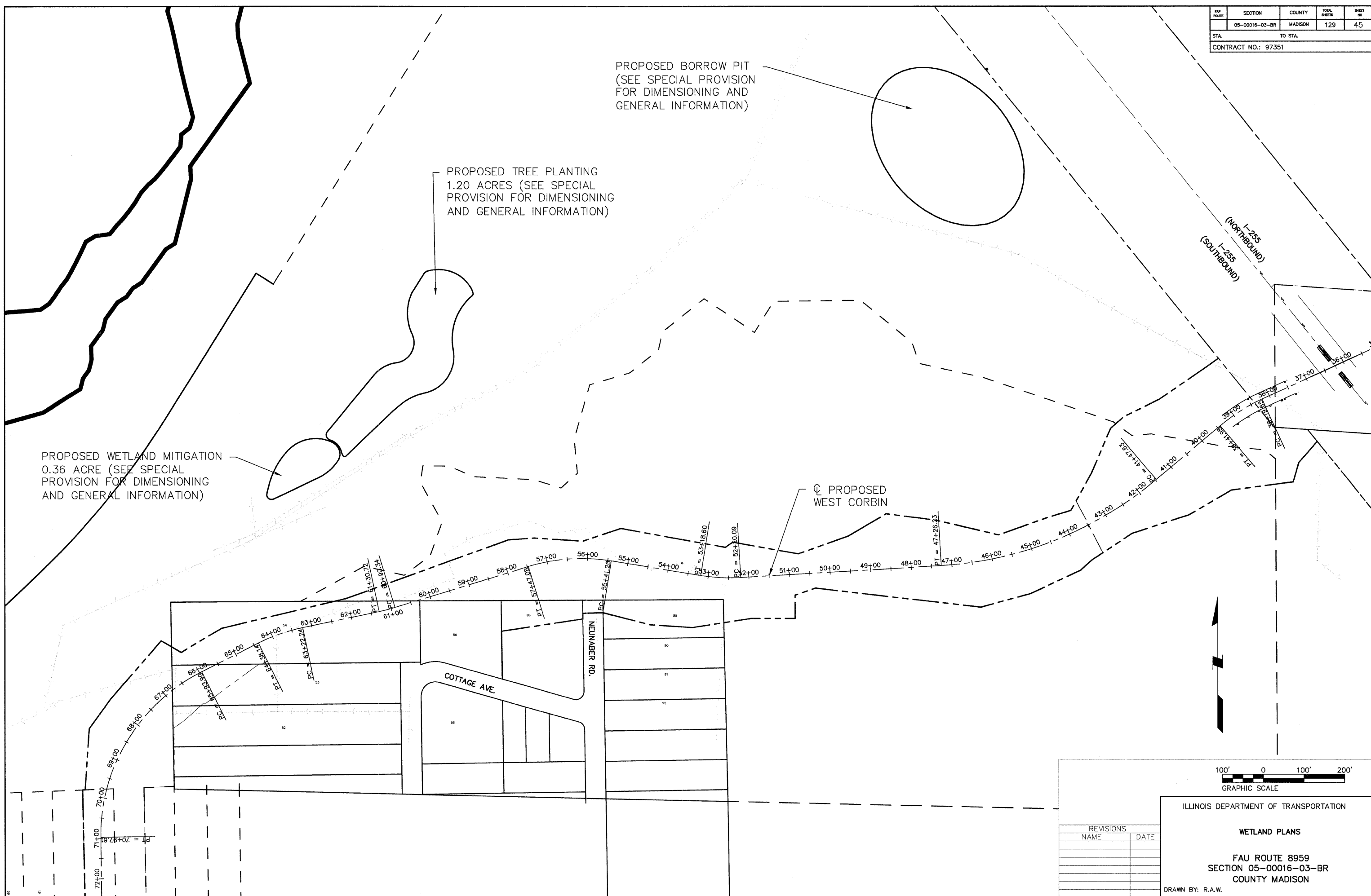
FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
	05-00016-03-BR	MADISON	129	45
STA.	TO STA.			
CONTRACT NO.: 97351				

PROPOSED BORROW PIT
(SEE SPECIAL PROVISION FOR DIMENSIONING AND GENERAL INFORMATION)

PROPOSED TREE PLANTING
1.20 ACRES (SEE SPECIAL PROVISION FOR DIMENSIONING AND GENERAL INFORMATION)

PROPOSED WETLAND MITIGATION
0.36 ACRE (SEE SPECIAL PROVISION FOR DIMENSIONING AND GENERAL INFORMATION)

☉ PROPOSED WEST CORBIN



REVISIONS	
NAME	DATE

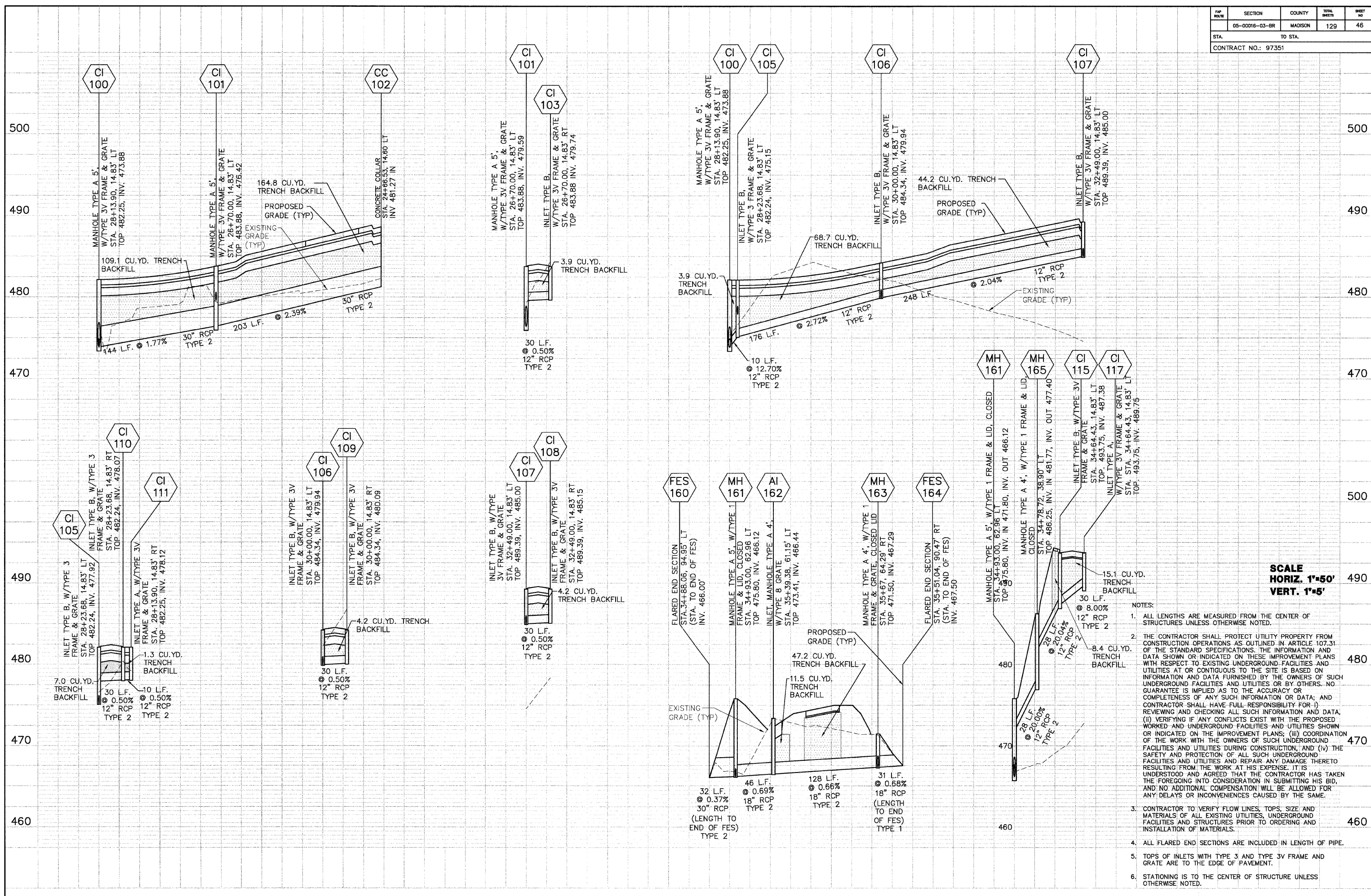
ILLINOIS DEPARTMENT OF TRANSPORTATION

WETLAND PLANS

FAU ROUTE 8959
SECTION 05-00016-03-BR
COUNTY MADISON

DRAWN BY: R.A.W.

FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
	05-00016-03-BR	MADISON	129	46
STA.	TO STA.			
CONTRACT NO.: 97351				

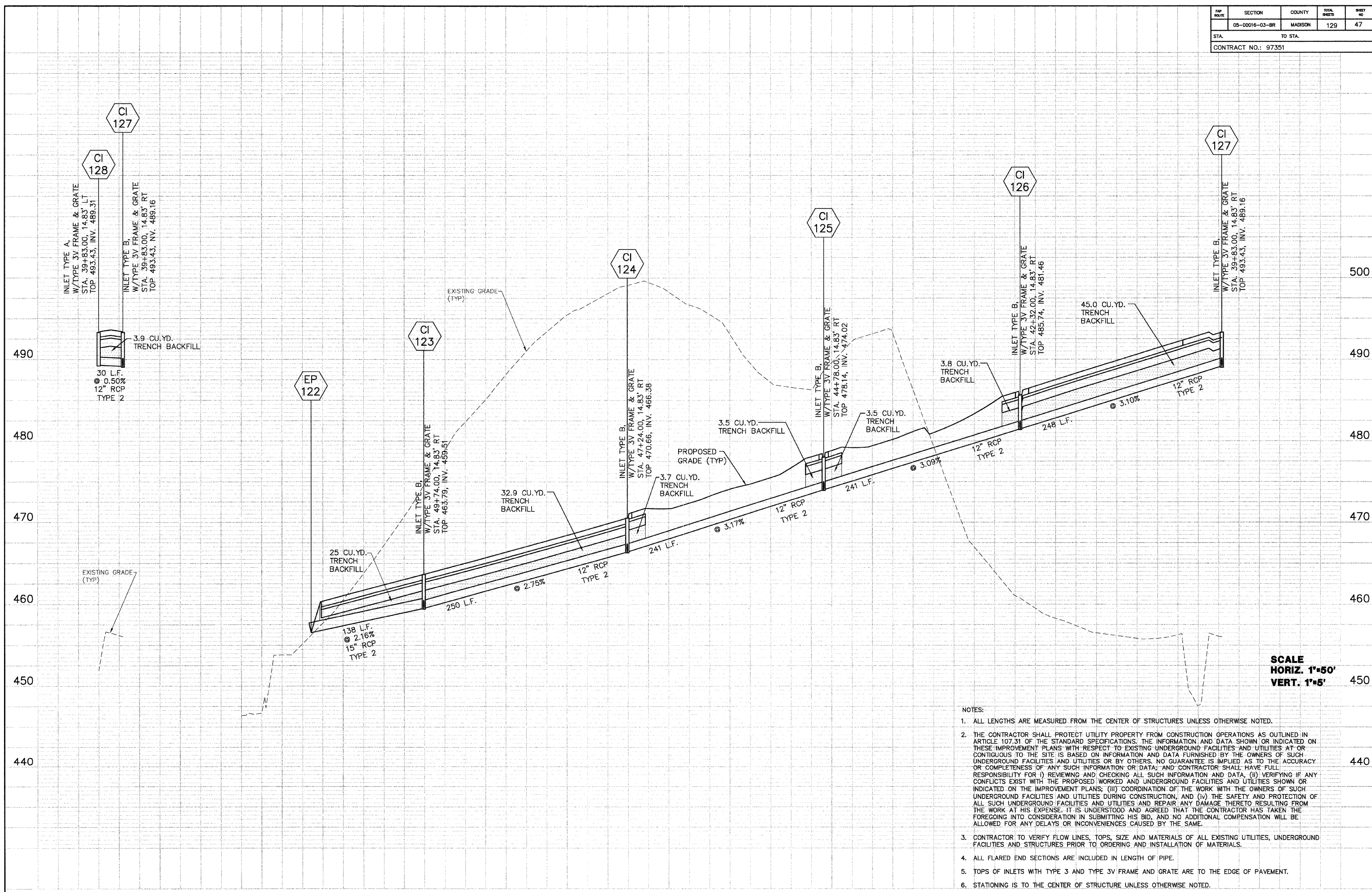


PROFILE	SURVEYED	DATE
	PLOTTED	DATE
	NOTE BOOK	NO.
	STRUCTURE NOTATIONS CHECKED	

SCALE
HORIZ. 1"=50'
VERT. 1"=5'

- NOTES:
1. ALL LENGTHS ARE MEASURED FROM THE CENTER OF STRUCTURES UNLESS OTHERWISE NOTED.
 2. THE CONTRACTOR SHALL PROTECT UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE INFORMATION AND DATA SHOWN OR INDICATED ON THESE IMPROVEMENT PLANS WITH RESPECT TO EXISTING UNDERGROUND FACILITIES AND UTILITIES AT OR CONTIGUOUS TO THE SITE IS BASED ON INFORMATION AND DATA FURNISHED BY THE OWNERS OF SUCH UNDERGROUND FACILITIES AND UTILITIES OR BY OTHERS. NO GUARANTEE IS IMPLIED AS TO THE ACCURACY OR COMPLETENESS OF ANY SUCH INFORMATION OR DATA; AND CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR: (i) REVIEWING AND CHECKING ALL SUCH INFORMATION AND DATA, (ii) VERIFYING IF ANY CONFLICTS EXIST WITH THE PROPOSED WORKED AND UNDERGROUND FACILITIES AND UTILITIES SHOWN OR INDICATED ON THE IMPROVEMENT PLANS; (iii) COORDINATION OF THE WORK WITH THE OWNERS OF SUCH UNDERGROUND FACILITIES AND UTILITIES DURING CONSTRUCTION, AND (iv) THE SAFETY AND PROTECTION OF ALL SUCH UNDERGROUND FACILITIES AND UTILITIES AND REPAIR ANY DAMAGE THERETO RESULTING FROM THE WORK AT HIS EXPENSE. IT IS UNDERSTOOD AND AGREED THAT THE CONTRACTOR HAS TAKEN THE FOREGOING INTO CONSIDERATION IN SUBMITTING HIS BID, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ANY DELAYS OR INCONVENIENCES CAUSED BY THE SAME.
 3. CONTRACTOR TO VERIFY FLOW LINES, TOPS, SIZE AND MATERIALS OF ALL EXISTING UTILITIES, UNDERGROUND FACILITIES AND STRUCTURES PRIOR TO ORDERING AND INSTALLATION OF MATERIALS.
 4. ALL FLARED END SECTIONS ARE INCLUDED IN LENGTH OF PIPE.
 5. TOPS OF INLETS WITH TYPE 3 AND TYPE 3V FRAME AND GRATE ARE TO THE EDGE OF PAVEMENT.
 6. STATIONING IS TO THE CENTER OF STRUCTURE UNLESS OTHERWISE NOTED.

FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00016-03-BR	MADISON	129	47
STA. TO STA.		CONTRACT NO.: 97351		

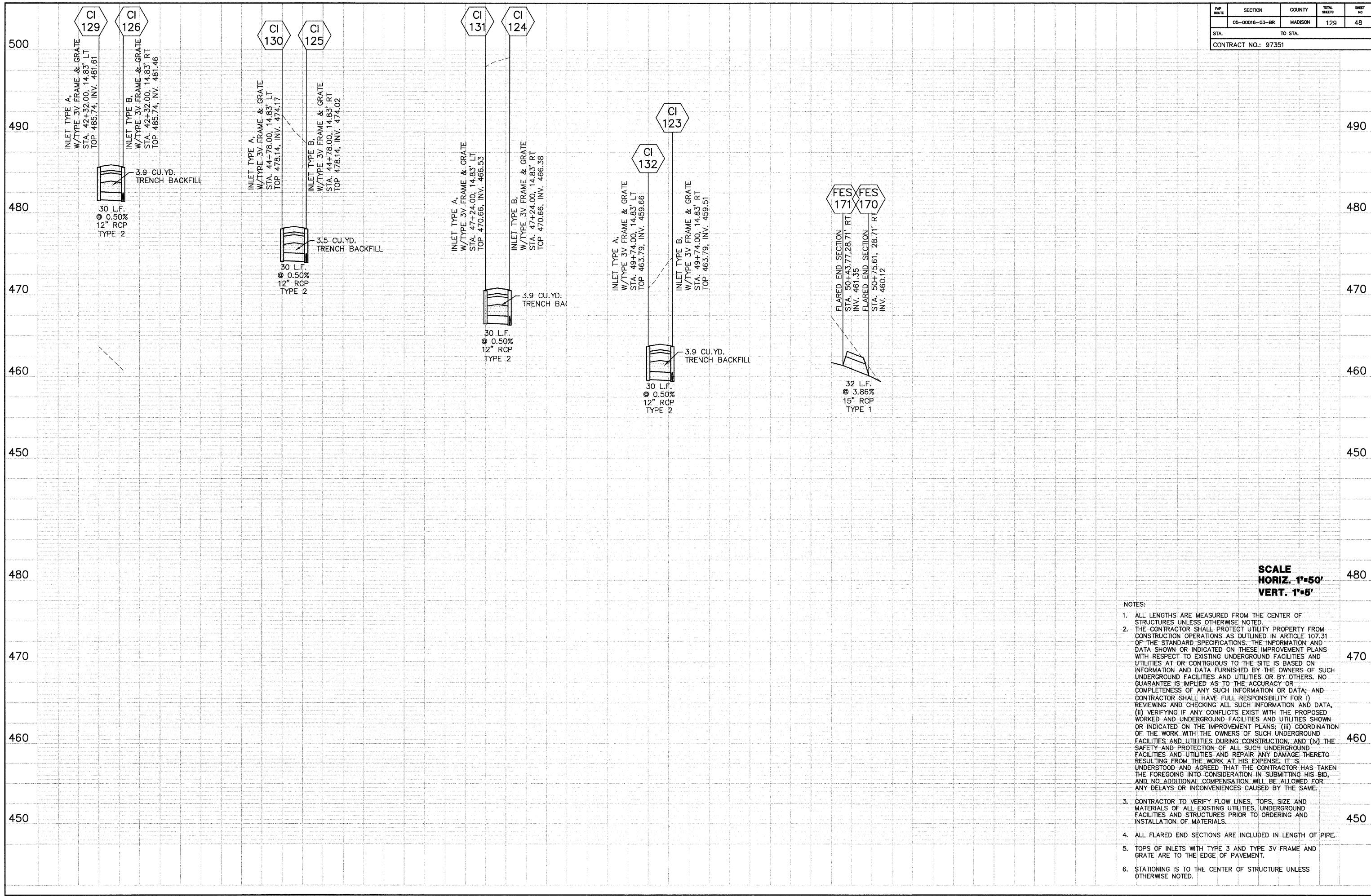


DATE	BY
7/2/06	DLK
PLOTTED	ERD
REVISION	
NO.	NOTATION

SCALE
HORIZ. 1"=50'
VERT. 1"=5'

- NOTES:
1. ALL LENGTHS ARE MEASURED FROM THE CENTER OF STRUCTURES UNLESS OTHERWISE NOTED.
 2. THE CONTRACTOR SHALL PROTECT UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE INFORMATION AND DATA SHOWN OR INDICATED ON THESE IMPROVEMENT PLANS WITH RESPECT TO EXISTING UNDERGROUND FACILITIES AND UTILITIES AT OR CONTIGUOUS TO THE SITE IS BASED ON INFORMATION AND DATA FURNISHED BY THE OWNERS OF SUCH UNDERGROUND FACILITIES AND UTILITIES OR BY OTHERS. NO GUARANTEE IS IMPLIED AS TO THE ACCURACY OR COMPLETENESS OF ANY SUCH INFORMATION OR DATA; AND CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR (i) REVIEWING AND CHECKING ALL SUCH INFORMATION AND DATA, (ii) VERIFYING IF ANY CONFLICTS EXIST WITH THE PROPOSED WORKED AND UNDERGROUND FACILITIES AND UTILITIES SHOWN OR INDICATED ON THE IMPROVEMENT PLANS; (iii) COORDINATION OF THE WORK WITH THE OWNERS OF SUCH UNDERGROUND FACILITIES AND UTILITIES DURING CONSTRUCTION; AND (iv) THE SAFETY AND PROTECTION OF ALL SUCH UNDERGROUND FACILITIES AND UTILITIES AND REPAIR ANY DAMAGE THERETO RESULTING FROM THE WORK AT HIS EXPENSE. IT IS UNDERSTOOD AND AGREED THAT THE CONTRACTOR HAS TAKEN THE FOREGOING INTO CONSIDERATION IN SUBMITTING HIS BID, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ANY DELAYS OR INCONVENIENCES CAUSED BY THE SAME.
 3. CONTRACTOR TO VERIFY FLOW LINES, TOPS, SIZE AND MATERIALS OF ALL EXISTING UTILITIES, UNDERGROUND FACILITIES AND STRUCTURES PRIOR TO ORDERING AND INSTALLATION OF MATERIALS.
 4. ALL FLARED END SECTIONS ARE INCLUDED IN LENGTH OF PIPE.
 5. TOPS OF INLETS WITH TYPE 3 AND TYPE 3V FRAME AND GRATE ARE TO THE EDGE OF PAVEMENT.
 6. STATIONING IS TO THE CENTER OF STRUCTURE UNLESS OTHERWISE NOTED.

FWP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00016-03-BR	MADISON	129	48
STA. TO STA.				
CONTRACT NO.: 97351				

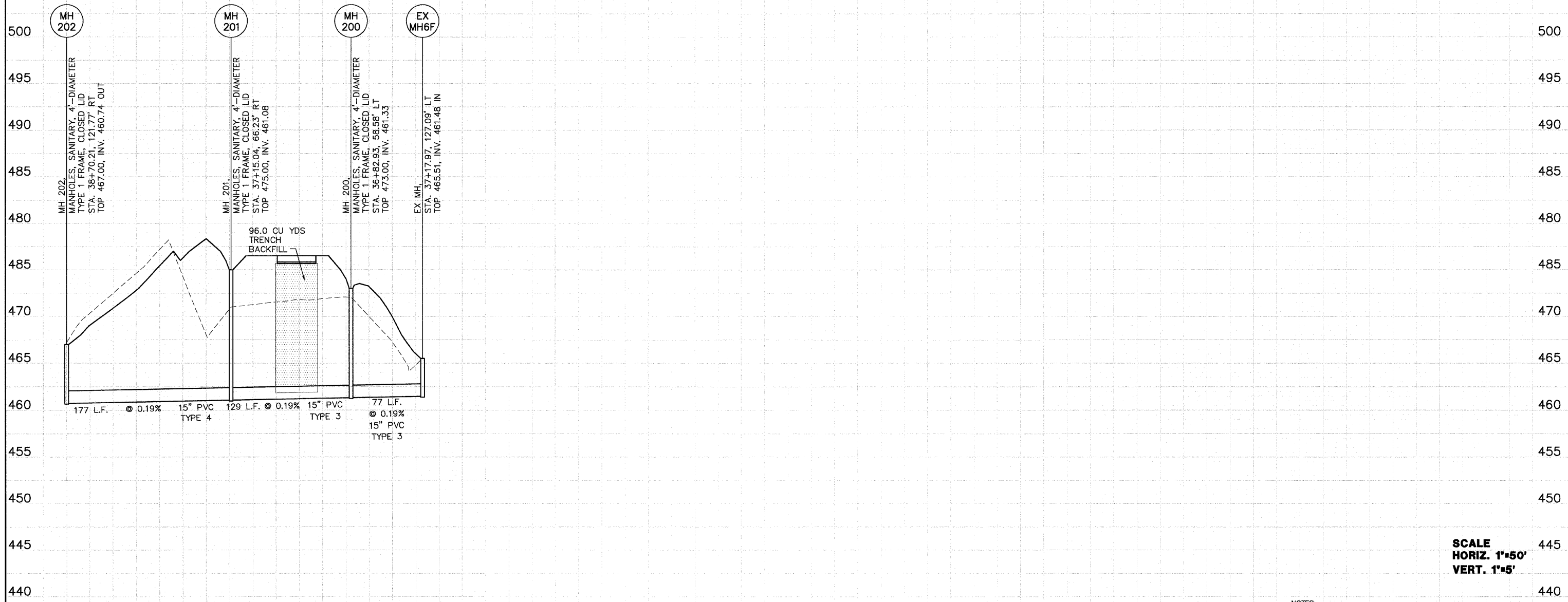


DATE	BY
07/26	J.T.C.
PLOTTED	FILED
NOTE BOOK	NO. NOTED
NO.	STRUCTURE NOTATIONS CHK'D

SCALE
HORIZ. 1"=50'
VERT. 1"=5'

- NOTES:
- ALL LENGTHS ARE MEASURED FROM THE CENTER OF STRUCTURES UNLESS OTHERWISE NOTED.
 - THE CONTRACTOR SHALL PROTECT UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE INFORMATION AND DATA SHOWN OR INDICATED ON THESE IMPROVEMENT PLANS WITH RESPECT TO EXISTING UNDERGROUND FACILITIES AND UTILITIES AT OR CONTIGUOUS TO THE SITE IS BASED ON INFORMATION AND DATA FURNISHED BY THE OWNERS OF SUCH UNDERGROUND FACILITIES AND UTILITIES OR BY OTHERS. NO GUARANTEE IS IMPLIED AS TO THE ACCURACY OR COMPLETENESS OF ANY SUCH INFORMATION OR DATA; AND CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR (i) REVIEWING AND CHECKING ALL SUCH INFORMATION AND DATA, (ii) VERIFYING IF ANY CONFLICTS EXIST WITH THE PROPOSED WORKED AND UNDERGROUND FACILITIES AND UTILITIES SHOWN OR INDICATED ON THE IMPROVEMENT PLANS; (iii) COORDINATION OF THE WORK WITH THE OWNERS OF SUCH UNDERGROUND FACILITIES AND UTILITIES DURING CONSTRUCTION, AND (iv) THE SAFETY AND PROTECTION OF ALL SUCH UNDERGROUND FACILITIES AND UTILITIES AND REPAIR ANY DAMAGE THERETO RESULTING FROM THE WORK AT HIS EXPENSE. IT IS UNDERSTOOD AND AGREED THAT THE CONTRACTOR HAS TAKEN THE FOREGOING INTO CONSIDERATION IN SUBMITTING HIS BID, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ANY DELAYS OR INCONVENIENCES CAUSED BY THE SAME.
 - CONTRACTOR TO VERIFY FLOW LINES, TOPS, SIZE AND MATERIALS OF ALL EXISTING UTILITIES, UNDERGROUND FACILITIES AND STRUCTURES PRIOR TO ORDERING AND INSTALLATION OF MATERIALS.
 - ALL FLARED END SECTIONS ARE INCLUDED IN LENGTH OF PIPE.
 - TOPS OF INLETS WITH TYPE 3 AND TYPE 3V FRAME AND GRATE ARE TO THE EDGE OF PAVEMENT.
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FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
	05-00016-03-BR	MADISON	129	49
STA.		TO STA.		
CONTRACT NO.: 97351				

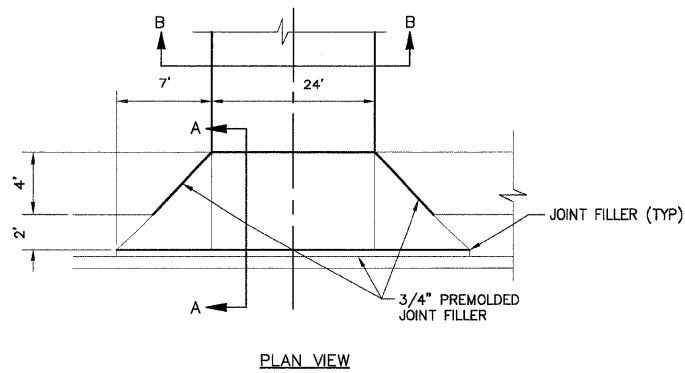


DATE	BY
12/2/20	DL
PLOTTED	FILED
BY M. WOOD	BY E.R.O.
STRUCTURE NOTATION CHKD	

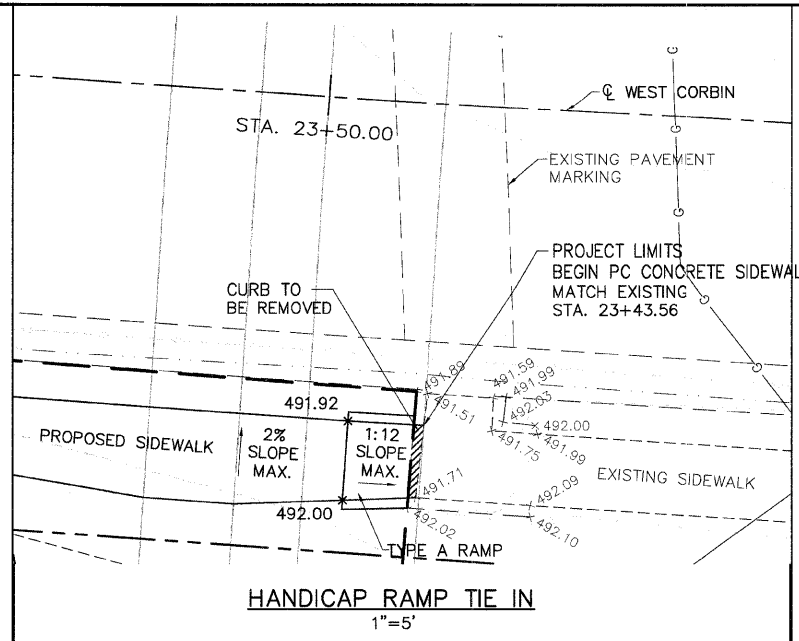
SCALE
HORIZ. 1"=50'
VERT. 1"=5'

- NOTES:
- ALL LENGTHS ARE MEASURED FROM THE CENTER OF STRUCTURES UNLESS OTHERWISE NOTED.
 - THE INFORMATION AND DATA SHOWN OR INDICATED ON THESE IMPROVEMENT PLANS WITH RESPECT TO EXISTING UNDERGROUND FACILITIES AND UTILITIES AT OR CONTIGUOUS TO THE SITE IS BASED ON INFORMATION AND DATA FURNISHED BY THE OWNERS OF SUCH UNDERGROUND FACILITIES AND UTILITIES OR BY OTHERS. NO GUARANTEE IS IMPLIED AS TO THE ACCURACY OR COMPLETENESS OF ANY SUCH INFORMATION OR DATA; AND CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR: (i) REVIEWING AND CHECKING ALL SUCH INFORMATION AND DATA, (ii) LOCATING ALL UNDERGROUND FACILITIES AND UTILITIES SHOWN OR INDICATED ON THE IMPROVEMENT PLANS; (iii) COORDINATION OF THE WORK WITH THE OWNERS OF SUCH UNDERGROUND FACILITIES AND UTILITIES DURING CONSTRUCTION, AND (iv) THE SAFETY AND PROTECTION OF ALL SUCH UNDERGROUND FACILITIES AND UTILITIES AND REPAIR ANY DAMAGE THERETO RESULTING FROM THE WORK AT HIS EXPENSE.

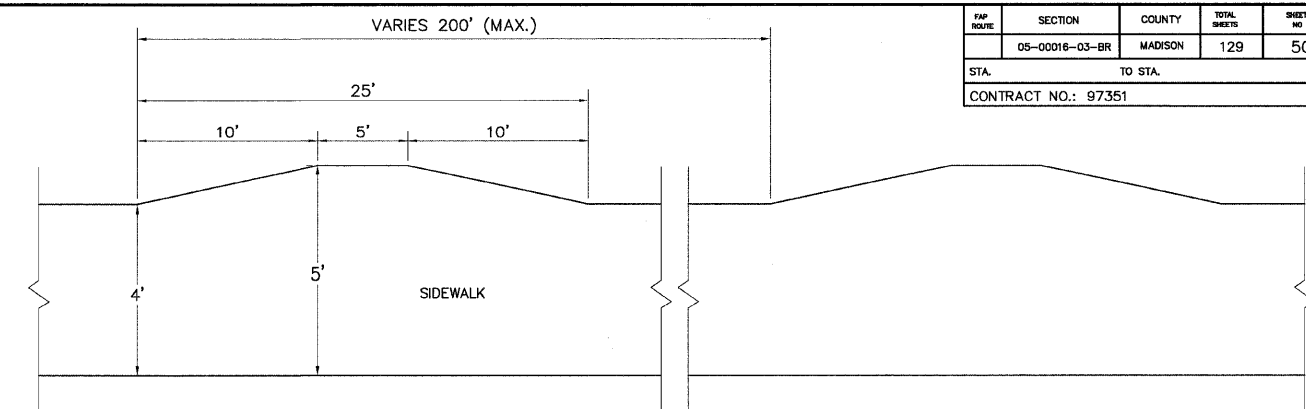
FAU ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
	05-00016-03-BR	MADISON	129	50
STA.	TO STA.			
CONTRACT NO.: 97351				



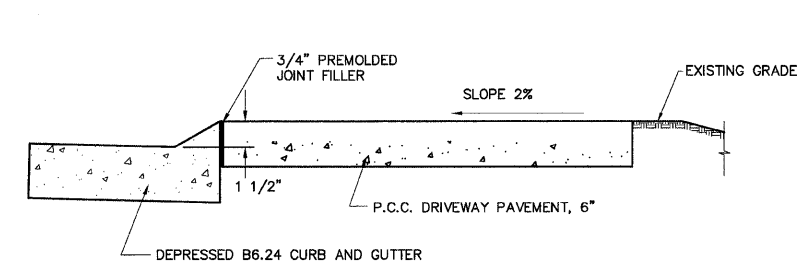
PLAN VIEW



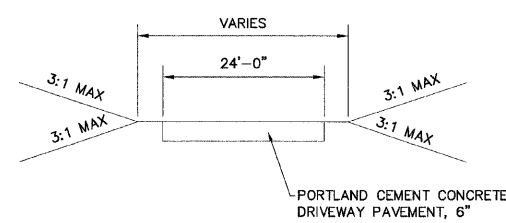
HANDICAP RAMP TIE IN
1"=5'



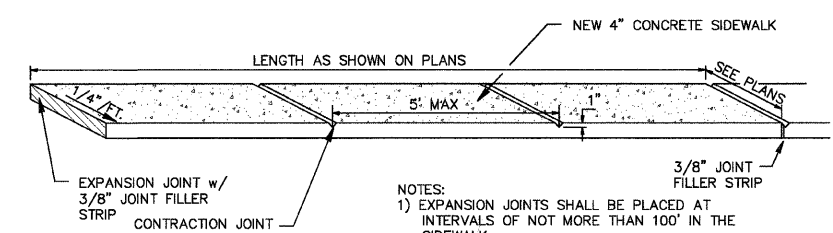
SIDEWALK PASSING LANE
DETAIL
NOT TO SCALE



SECTION A-A

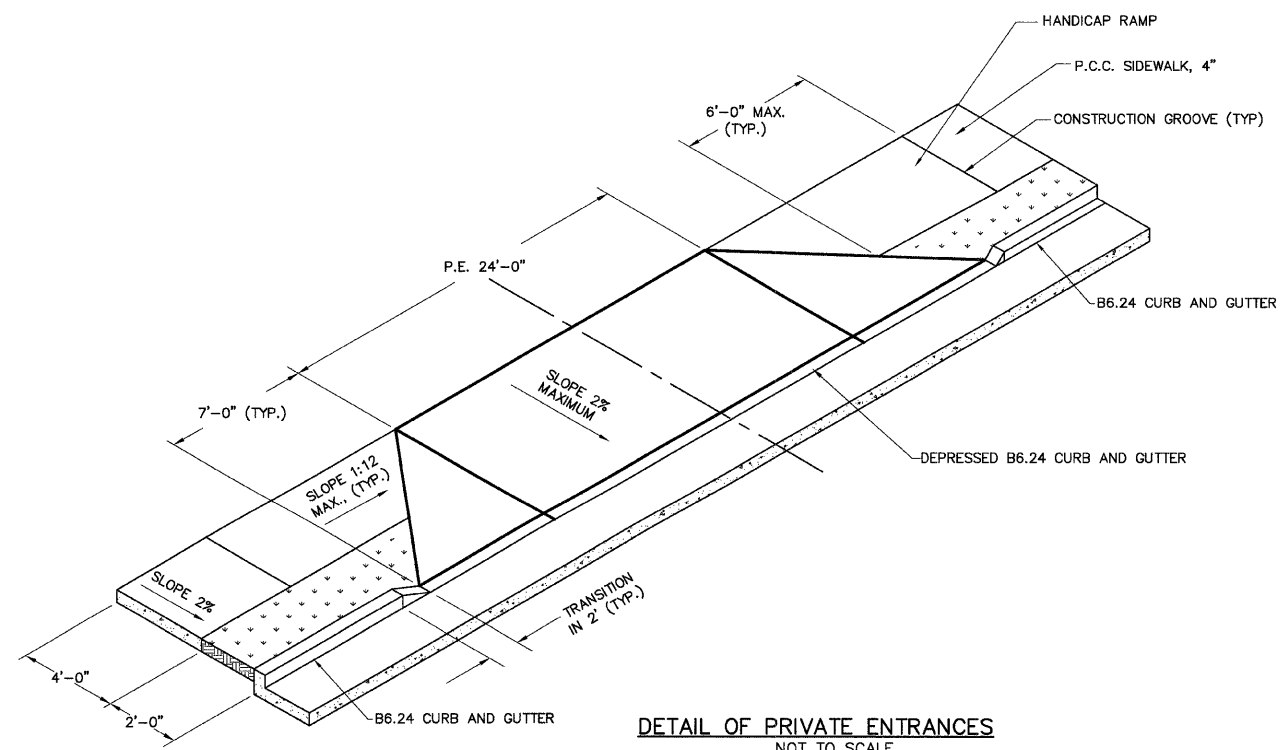


SECTION B-B

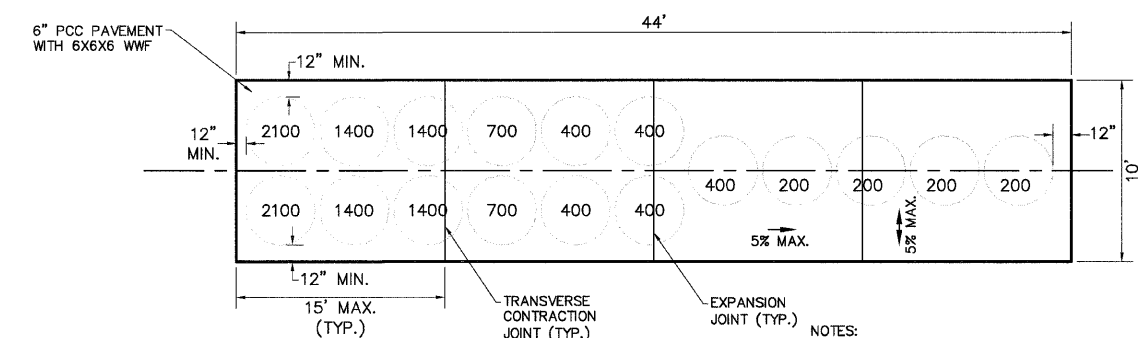


- NOTES:
- 1) EXPANSION JOINTS SHALL BE PLACED AT INTERVALS OF NOT MORE THAN 100' IN THE SIDEWALK.
 - 2) EXPANSION MATERIAL TO BE EITHER RECESSED OR ROUTED OUT TO PROVIDE RESERVOIR FOR SEALER.
 - 3) JOINT FILLER SHALL BE GRAY AND ACCORDING TO SECTION 1050 OF THE STANDARD SPECIFICATIONS.

PC CONCRETE SIDEWALK DETAIL
NOT TO SCALE



DETAIL OF PRIVATE ENTRANCES
NOT TO SCALE



- NOTES:
1. AN EXPANSION JOINT SHALL BE PLACED IN MIDDLE OF THE CONCRETE PAD.
 2. EXPANSION MATERIAL TO BE EITHER RECESSED OR ROUTED OUT TO PROVIDE RESERVOIR FOR SEALER.
 3. JOINT FILLER SHALL BE GRAY AND ACCORDING TO SECTION 1050 OF THE STANDARD SPECIFICATIONS.
 4. IMPACT ATTENUATORS SHALL BE TEST LEVEL 3 AS DESCRIBED IN THE SPECIAL PROVISIONS.

CONCRETE PAD AND IMPACT
ATTENUATORS DETAIL
NOT TO SCALE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

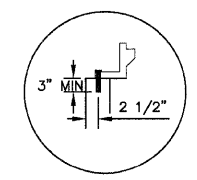
MISCELLANEOUS
DETAILS

FAU ROUTE 8959
SECTION 05-00016-03-BR
COUNTY MADISON

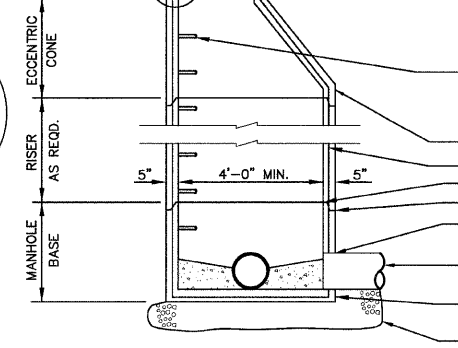
DRAWN BY: R.A.W.

ANCHOR BOLTS TO BE 1" DIA THREADED ROD W/WASHER & NUT, FASTENED TO MANHOLE BY 2 PART FAST CURING EPOXY ADHESIVE. PROVIDE AND INSTALL (5) EACH FOR EACH SEALED MANHOLE

ANCHORS REQUIRED FOR SEALED MANHOLES OR MANHOLES IN ROCK ROAD AREAS ONLY



ANCHOR DETAIL



MANHOLE SPECIAL NO. 1
NOT TO SCALE

WITH CONCEALED FITTINGS

SEAL FRAME TO CONCRETE 3" WIDE WITH PREFORMED PLASTIC GASKET MEETING ASTM C990 STD. SPECS.

STANDARD MANHOLES: ADJUST TO GRADE WITH PRECAST CONCRETE RINGS. NO MORE THAN 1'-0" OF ADJUSTMENT RINGS WILL BE ALLOWED.

SEALED MANHOLES: ADJUSTING RINGS NOT ALLOWED ON SEALED MANHOLES. FINISH ELEVATION OF MANHOLE RIM SHALL BE AT A MINIMUM OF GRADE SHOWN ON PLAN AND PROFILE SHEET OR UP TO 6" ABOVE DEPENDING ON STANDARD MANHOLE RISER DIMENSIONS.

MANHOLE STEPS TO BE UNIFORMLY SPACED AT MAX. 16" O.C. TOP STEP MAX. 18" FROM TOP OF CONCRETE BOTTOM STEP MAX. 24" ABOVE THE SPRINGLINE OF THE LARGEST PIPE

BELL & SPIGOT REINFORCEMENT

WELDED WIRE FABRIC REINFORCING

1" WIDE PREFORMED PLASTIC GASKET MEETING ASTM C990 STD. SPECS.

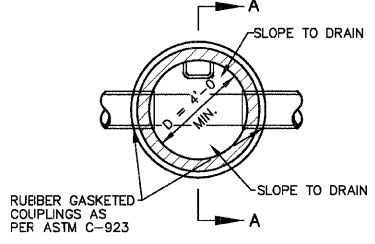
3" WIDE PREFORMED PLASTIC GASKET MEETING ASTM C990 STD. SPECS.

CONNECTION OF PIPE TO MANHOLE WITH GASKET

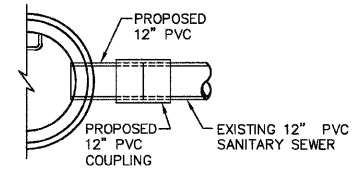
SANITARY SEWER PIPE

PRE-CAST MANHOLE BASE WITH PRE-FORMED INVERTS

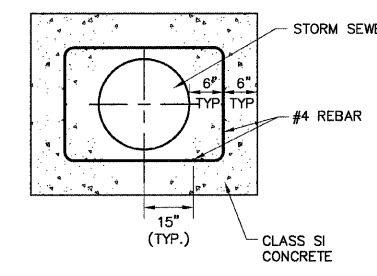
6" CA-6 COMPACTED GRANULAR MATERIAL SHALL BE PLACED ON SOLID, UNDISTURBED EARTH. IF OVEREXCAVATION OCCURS, FILL WITH COMPACTED CA-6. NOT EARTH



SECTIONAL PLAN

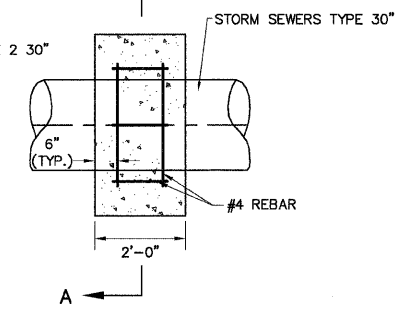


TYPICAL SANITARY SEWER CONNECTION DETAIL
NO SCALE



SECTION A-A

CONCRETE ANCHOR COLLAR DETAIL
NOT TO SCALE

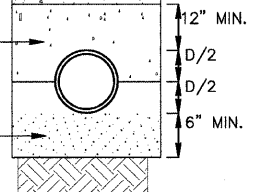


ELEVATION

FINAL BACKFILL
BELOW PAVED AREAS, AND WHERE NOTED AS TRENCH BACKFILL, THE FINAL BACKFILL SHALL BE SELECT GRANULAR MATERIAL (IDOT, CA-6) COMPACTED IN UNIFORM LAYERS NOT TO EXCEED 6" (LOOSE MEASURE). FOR REMAINING AREAS USE EARTH BACKFILL COMPACTED IN UNIFORM LAYERS NOT TO EXCEED 8" THICK (LOOSE MEASURE).

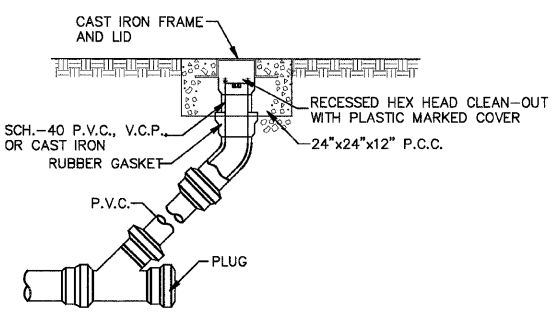
INITIAL BACKFILL
ASTM 2321-CLASS 1A GRANULAR BACKFILL 1/4" TO 1-1/2" CRUSH STONE GRADATION(CA-6)

BEDDING MATERIAL
ASTM 2321-CLASS 1A GRANULAR BEDDING 1/4" TO 1-1/2" CRUSH STONE GRADATION(CA-6)



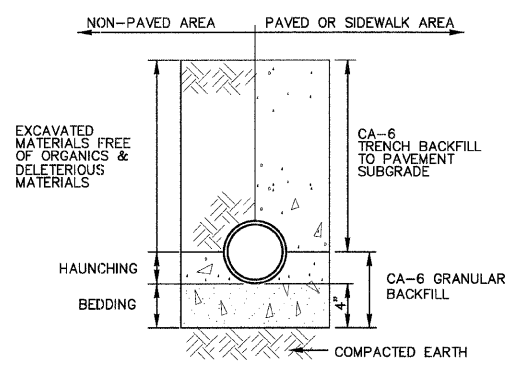
SANITARY SEWER

TYPICAL TRENCH DETAIL
NO SCALE

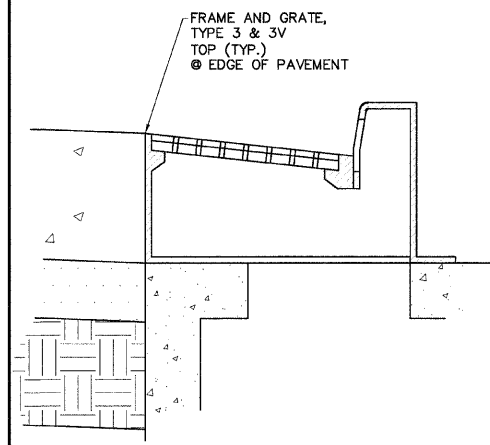


IN GRASS AREA

SANITARY SEWER CLEANOUT DETAIL
NOT TO SCALE

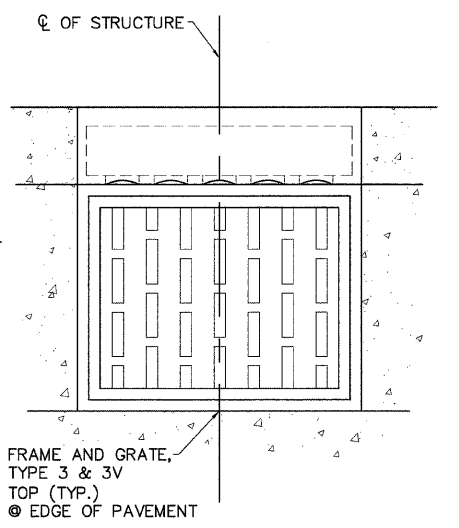


STORM SEWER TRENCH DETAIL
NOT TO SCALE

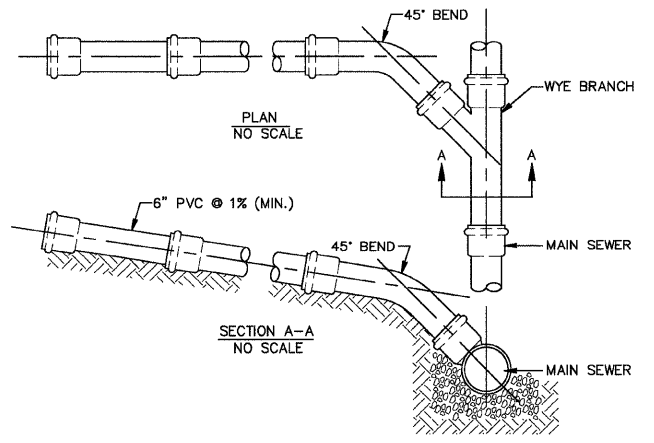


SECTIONAL VIEW

INLET GEOMETRY
NOT TO SCALE



PLAN



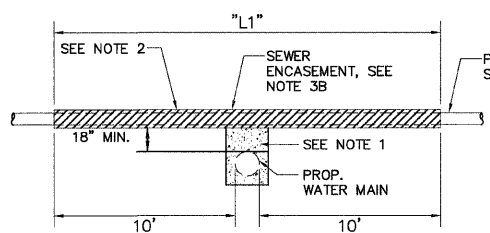
PLAN
NO SCALE

SECTION A-A
NO SCALE

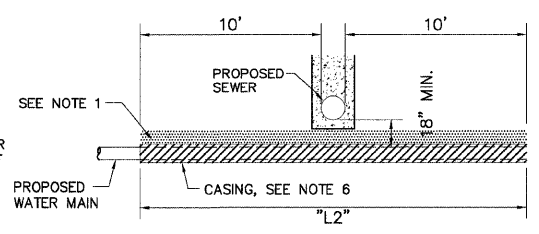
SANITARY SEWER SERVICE CONNECTION DETAIL
NOT TO SCALE

- NOTES:
1. THE SANITARY SEWER CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING A COMPLETE AS-BUILT RECORD DRAWING OF ALL SANITARY SEWER WORK TO VILLAGE OF BETHALTO PRIOR TO ANY ACCEPTANCE OF THE SANITARY SEWER SYSTEM BY THE VILLAGE. COST FOR AS-BUILT RECORD DRAWINGS TO BE INCIDENTAL TO UNIT PRICE FOR SANITARY SEWER MAIN.
 2. SANITARY SEWER CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AIR & DEFLECTION TESTING OF THE PROPOSED SANITARY SEWER IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" AND VILLAGE OF BETHALTO.
 3. ALL SANITARY MANHOLES SHALL CONFORM TO ASTM 6478. MANHOLES SHALL HAVE STEPS CONSTRUCTED OF 1/2" DEFORMED REINFORCING RODS (GRADE 60) CONFORMING TO ASTM A 615 ENCAPSULATED IN CO-POLYMER POLYPROPYLENE.
 4. CASING AT SEWER MAIN CROSSINGS SHALL BE AS FOLLOWS:
 - A. FOR 10 FEET BOTH SIDES OF CROSSING PERPENDICULAR TO WATER MAIN, ENCASE SEWER MAIN IN WATER MAIN MATERIAL OR
 - B. FOR 10 FEET BOTH SIDES OF CROSSING PERPENDICULAR TO WATER MAIN, ENCASE WATER MAIN WITH WATER MAIN MATERIAL.

- NOTES:
1. IF SELECT GRANULAR BACKFILL EXISTS: REMOVE WITHIN WIDTH OF PROPOSED SEWER TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL AND COMPACT.
 2. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF SEWER AND USE SELECT EXCAVATED MATERIAL AND COMPACT THE LENGTH OF "L1" FEET.
 3. A. CONSTRUCT "L1" FEET OF PROPOSED SEWER OF WATER MAIN MATERIAL AND PRESSURE TEST, OR; B. USE "L1" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED SEWER AND SEAL ENDS OF CASING.
 4. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATER MAIN AND USE SELECT EXCAVATED MATERIAL AND COMPACT THE LENGTH OF "L2".
 5. PROVIDE ADEQUATE SUPPORT FOR SEWER LINE TO PREVENT DAMAGE DUE TO SETTLEMENT.
 6. USE "L2" FEET OF 16" PVC WATER MAIN MATERIAL FOR CASING OF PROPOSED WATER MAIN AND SEAL ENDS OF CASING.

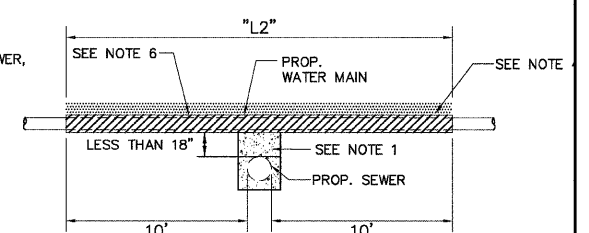


SEWER ENCASEMENT



WATER MAIN ENCASEMENT

WATER AND SEWER ENCASEMENT
NOT TO SCALE



WATER MAIN ENCASEMENT

* POINT LOADS SHALL NOT BE ALLOWED BETWEEN WATER MAIN CASING AND SEWER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

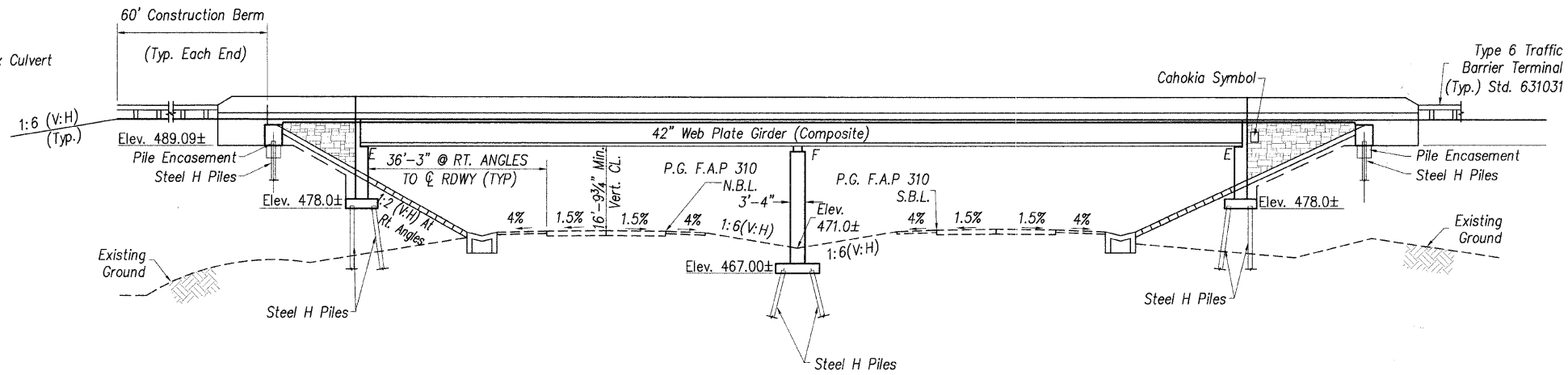
MISCELLANEOUS DETAILS

FAU ROUTE 8959
SECTION 05-00016-03-BR
COUNTY MADISON

DRAWN BY: R.A.W.

Contract # 97351

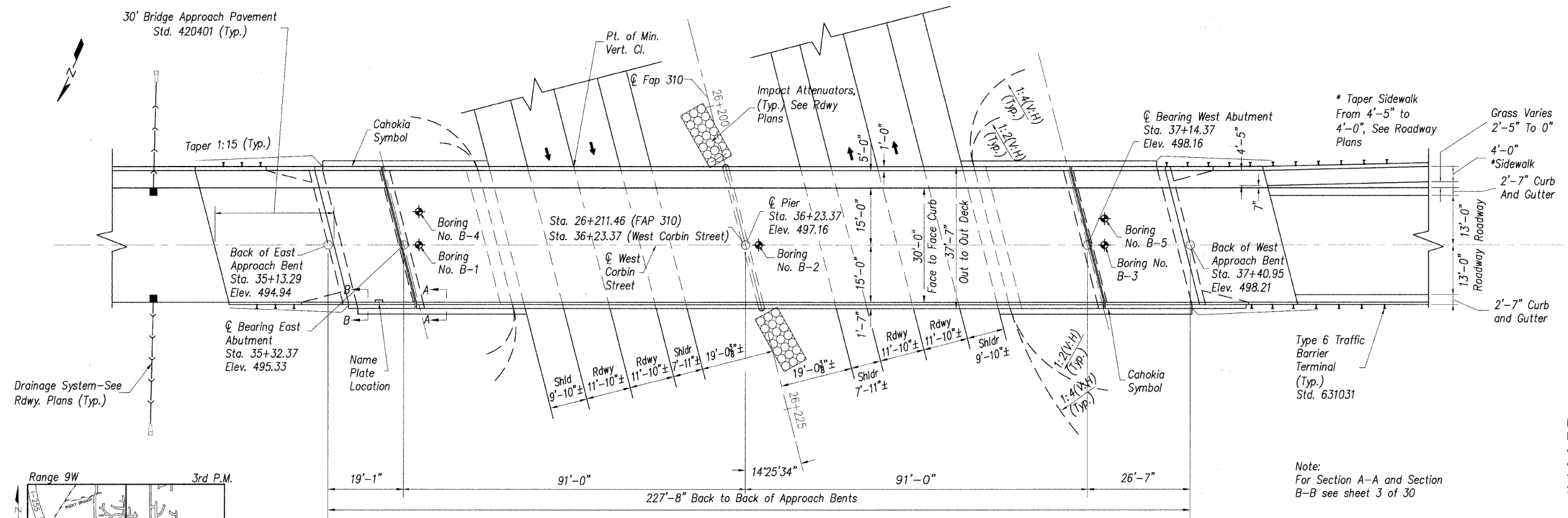
BENCHMARK:
 Square Cut In Wingwall Of Box Culvert
 Sta. 34+98.47 105.91' LT
 Elev. 471.36
 Existing Structure: None



ELEVATION
(LOOKING SOUTH)

STATION 36+23.37
 BUILT 200_ BY
 VILLAGE OF BETHALTO
 SEC. 05-00016-03-BR
 F.A.U. RT. 8959
 STR. NO. 060-6851 LOADING HS20

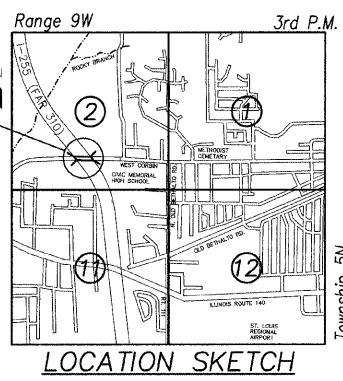
NAME PLATE
 SEE STANDARD 515001



PLAN

DESIGN STRESSES
 $f_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 50,000$ psi (Structural Steel)
 $f_y = 36,000$ psi (Structural Steel)

LOADING HS 20
 Allow 50 psf for Future Wearing Surface
DESIGN SPECIFICATIONS
 2002 A.A.S.H.T.O. Standard Specifications for Highway Bridges
SEISMIC DATA
 Seismic Performance Category (SPC) = A
 Bedrock Acceleration (A) = 0.09
 Site Coefficient (S) = 1.0

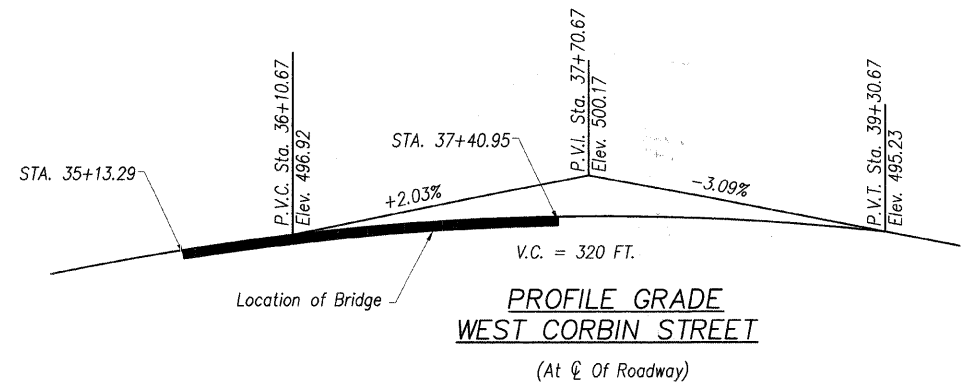


APPROVED
 FOR STRUCTURAL ADEQUACY ONLY
Ralph E. Anderson
 ENGINEER OF BRIDGES AND STRUCTURES

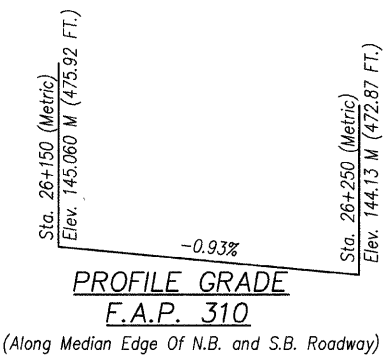
I certify that to the best of knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of current AASHTO Standard Specifications for Highway Bridges.



9-16-08
 Curtis M. Watkins
 Licensed Structural Engineer
 State of Illinois No. 81-005494
 Expires 11/30/2008



PROFILE GRADE
WEST CORBIN STREET
 (At ϕ Of Roadway)



PROFILE GRADE
F.A.P. 310
 (Along Median Edge Of N.B. and S.B. Roadway)

DESIGNED	T.M.M.
CHECKED	C.M.W.
DRAWN	B.D.M./S.H.K.
CHECKED	C.M.W.

Hoelscher Engineering, P.C.
 11 Executive Drive Suite 12
 Fairview Heights, Illinois 62208
 (618)624-8610 FAX: (618)624-8611

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL PLAN
WEST CORBIN STREET OVER F.A.P. 310 (IL-255)
 F.A.U. 8959 SECTION 05-00016-03-BR
 MADISON COUNTY
 STATION 36+23.37
 STRUCTURE NO. 060-6851

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 8959	05-00016-03-BR	MADISON	129	53
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 2
30 SHEETS

Contract # 97351

GENERAL NOTES

- Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts 3/4 in. Ø, holes 19/16 in. Ø, unless otherwise noted.
- Calculated weight of structural steel = 169,204 lbs. (M270 Grade 50)
13,881 lbs. (M270 Grade 36)
- No field welding is permitted except as specified in the contract documents.
- Reinforcement bars shall conform to the requirements of ASTM A 706 GR 60. See Special Provisions.
- Reinforcement bars designated (E) shall be epoxy coated.
- If the contractor elects to use cantilever forming brackets on the exterior beams or girders, the brackets shall be placed at the same locations as required for the hardwood blocks in Article 503.06(b) of the Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interior beam at each of these additional bracket locations.
- Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8" (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
- Concrete sealer shall be applied to the designated areas of the abutments.
- The Inorganic Zinc Rich Primer / Acrylic / Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the final finish coat for all interior steel surfaces shall be gray, Munsell No. 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Reddish Brown, Munsell No. 2.5YR 3/4. See Special Provision for "Cleaning and Painting New Metal Structures".
- The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
- The Contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at substructures specified or approved by the Engineer before ordering the remainder of the piles.
- In lieu of the hammer selection criteria and use of the FWA Modified Gates formula specified in Section 512 of the Standard Specifications, the contractor shall conduct a wave equation analysis to establish the driving criteria at all pile foundations which specify a nominal required bearing above 600 kips. The analysis and calculations shall be submitted to the Engineer for approval.
- Slipforming of parapets is not allowed.

INDEX OF SHEETS

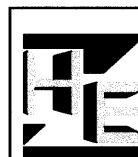
- General Plan
- General Notes, Bill of Materials, Index of Sheets
- Footing Layout and Slopewall Details
- Top of Slab Elevation Plan
- Top of Slab Elevations
- Top of Slab Elevations
- Top of Slab Elevations
- Top of Approach Slab Elevations
- Approach Span Details
- Deck Plan and Details
- Parapet Details
- Pedestrian Railing Details
- Preformed Joint Strip Seal Details
- Framing Plan and Girder Details
- Structural Steel Details
- Bearing Details
- West Abutment Details
- West Abutment Details
- West Abutment Details
- East Abutment Details
- East Abutment Details
- East Abutment Details
- Abutment Details - Bill of Material
- Pier Details
- Pile Details
- Soil Boring Logs Sheet 1
- Soil Boring Logs Sheet 2
- Soil Boring Logs Sheet 3
- Soil Boring Logs Sheet 4
- Soil Boring Logs Sheet 5

TOTAL BILL OF MATERIALS

	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment, Special	Cu. Yd.	-	465	465
Structure Excavation	Cu. Yd.	-	1057	1057
Concrete Structures	Cu. Yd.	-	350.2	350.2
Concrete Superstructure	Cu. Yd.	350.6	-	350.6
* Bridge Deck Grooving	Sq. Yd.	959	-	959
Concrete Encasement	Cu. Yd.	-	5	5
Form Liner Textured Surface	Sq. Ft.	-	2656	2656
* Protective Coat	Sq. Yd.	2628	-	2628
Furnishing and Erecting Structural Steel	L Sum	1	-	1
Stud Shear Connectors	Each	2232	-	2232
Reinforcement Bars, Epoxy Coated	Pound	63623	30824	94446
Pedestrian Rail	Foot	229	-	229
Slope Wall 4 Inch	Sq. Yd.	-	66	66
Furnishing Steel Piles HP12X53	Foot	-	646	646
Furnishing Steel Piles HP12X74	Foot	-	1938	1938
Furnishing Steel Piles HP12X84	Foot	-	768	768
Driving Piles	Foot	-	3333	3333
Test Pile Steel HP12X53	Each	-	1	1
Test Pile Steel HP12X74	Each	-	2	2
Test Pile Steel HP12X84	Each	-	2	2
Name Plates	Each	1	-	1
Preformed Joint Strip Seal	Foot	77	-	77
Elastomeric Bearing Assembly, Type 1	Each	-	12	12
Anchor Bolts, 1"	Each	-	24	24
Anchor Bolts, 1 1/2"	Each	-	12	12
Concrete Sealer	Sq. Ft.	-	173	173
Geocomposite Wall Drain	Sq. Yd.	-	111	111
Pipe Underdrains for Structures 6"	Foot	-	76	76
Granite Block Slope Wall, Special	Sq. Yd.	-	192	192

* Quantity Includes Approach Slab

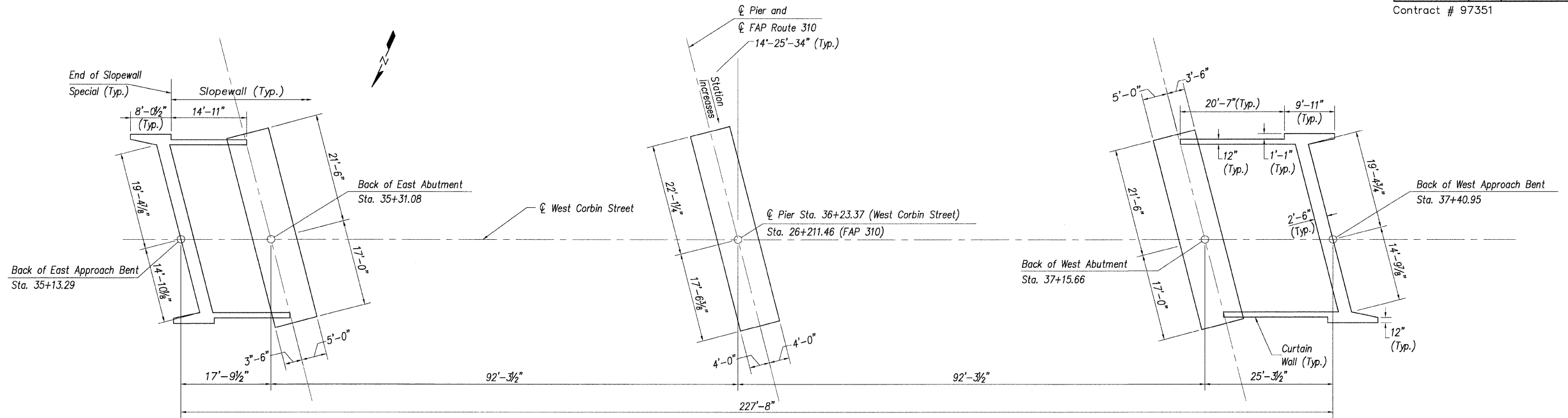
DESIGNED	T.M.M.
CHECKED	C.M.W.
DRAWN	B.D.M./S.H.K.
CHECKED	C.M.W.



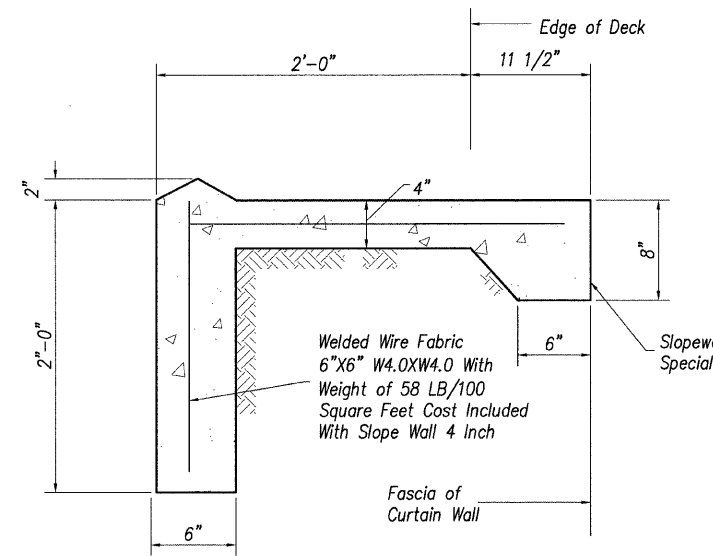
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11 Executive Drive Suite 12
Fairview Heights, Illinois 62208
(618)624-8610 FAX: (618)624-8611

REVISIONS	
NAME	DATE

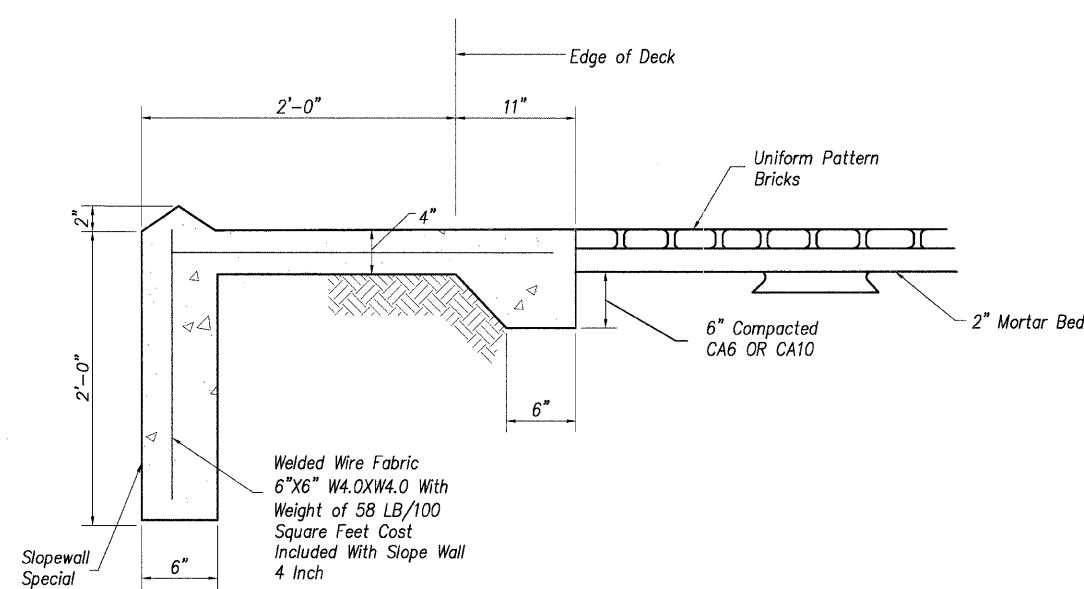
ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL NOTES, BILL OF MATERIALS, INDEX OF SHEETS
WEST CORBIN STREET OVER F.A.P. 310 (IL-255)
F.A.U. 8959 SECTION 05-00016-03-BR
MADISON COUNTY
STATION 36+23.37
STRUCTURE NO. 060-6851



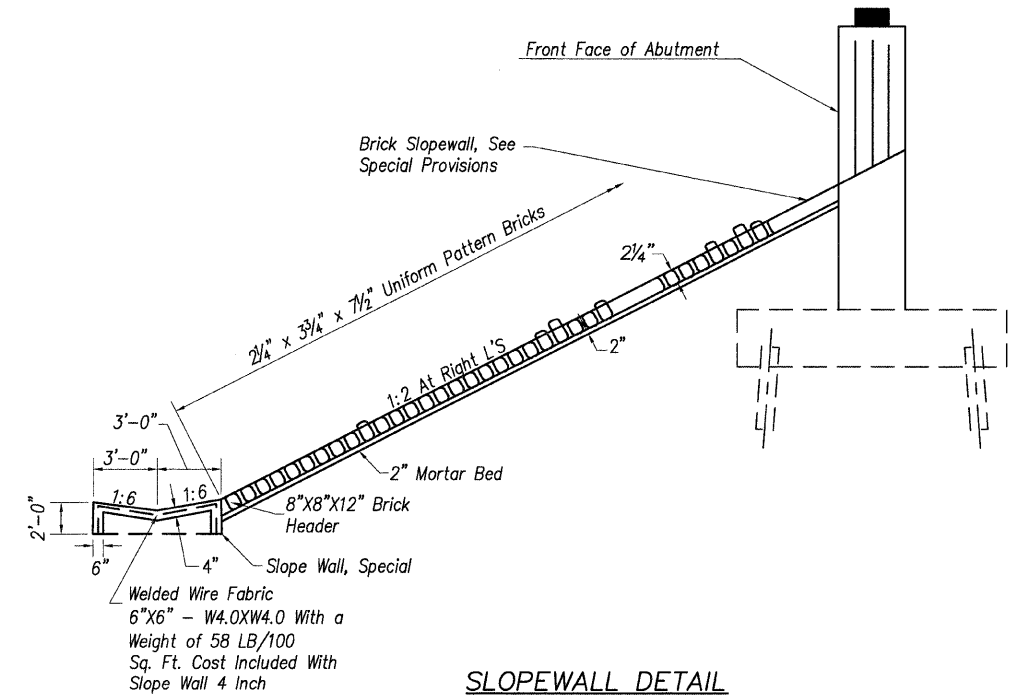
FOOTING LAYOUT



SECTION B-B




SECTION A-A



SLOPEWALL DETAIL

Slopes Indicated Thus 1:6 Etc. Indicates V:H (Vertical To Horizontal)

DESIGNED	T.M.M.
CHECKED	C.M.W.
DRAWN	B.D.M./S.H.K.
CHECKED	C.M.W.



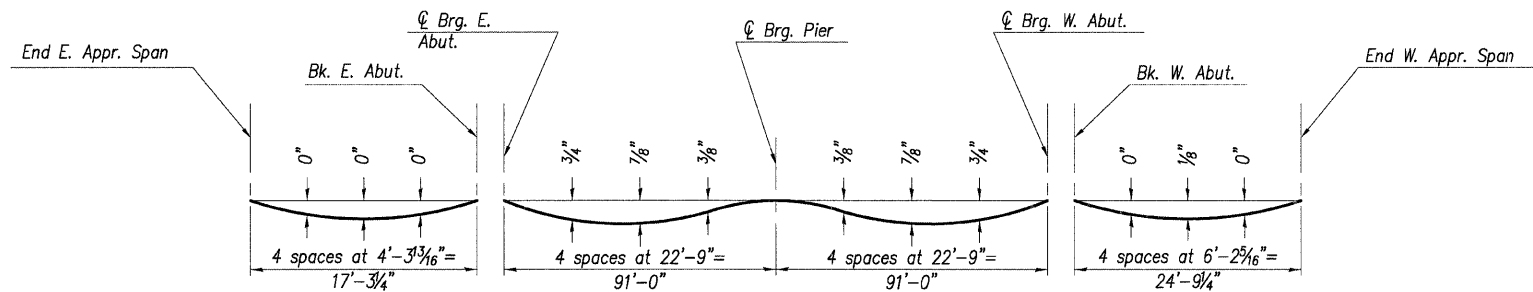
Hoelscher Engineering, P.C.
11 Executive Drive Suite 12
Fairview Heights, Illinois 62208
(618)624-9610 FAX: (618)624-8611

Note:
For Location of Sections A-A and Section B-B see sheet 1 of 26

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
FOOTING LAYOUT AND SLOPEWALL DETAILS
WEST CORBIN STREET OVER F.A.P. 310 (IL-255)
F.A.U. 8959 SECTION 05-00016-03-BR
MADISON COUNTY
STATION 36+23.37
STRUCTURE NO. 060-6851

Contract # 97351

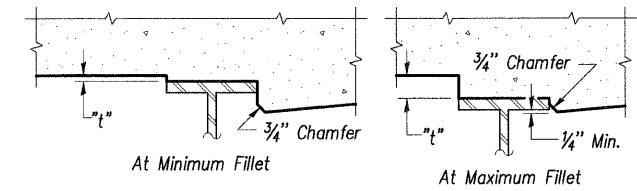


DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only.)

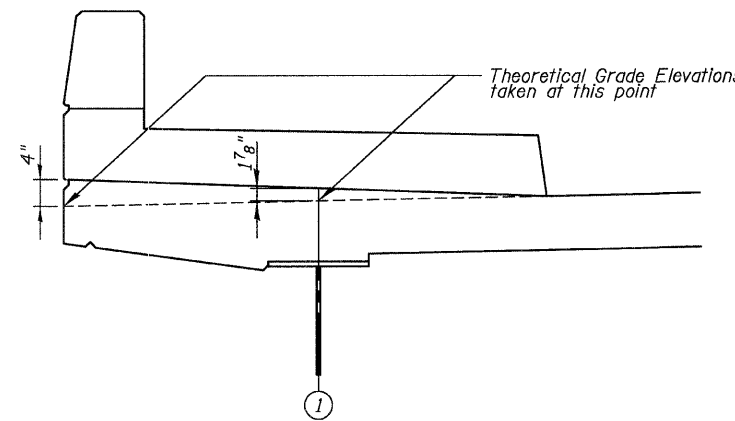
Note:

The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown on sheets 5 and 6 of 26.

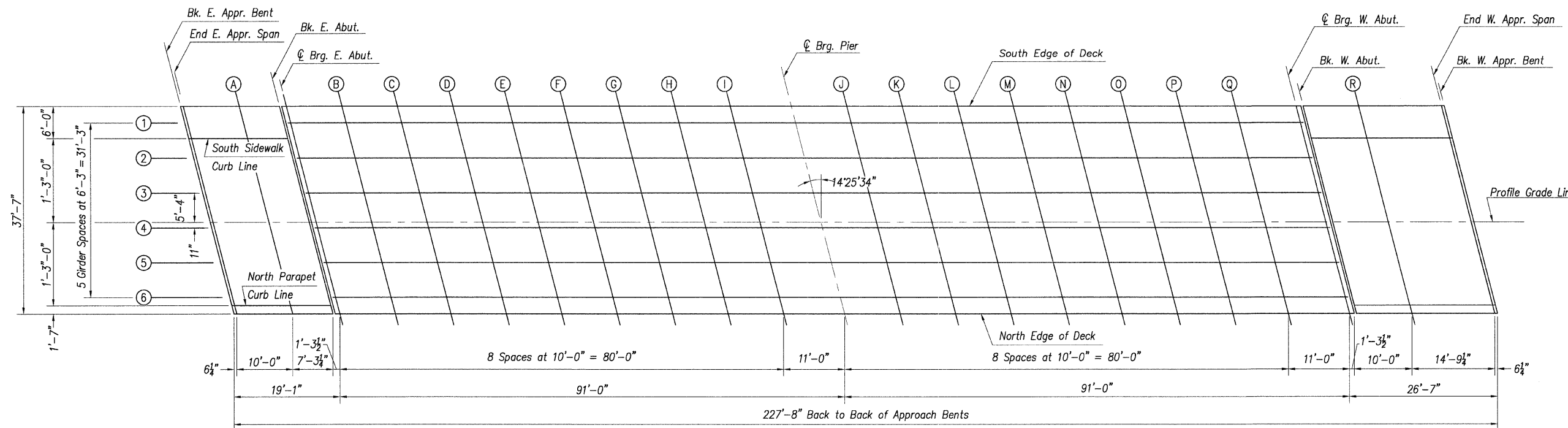


To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on sheets 5 and 6, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS



SECTION THRU SIDEWALK



PLAN

DESIGNED	T.M.M.
CHECKED	C.M.W.
DRAWN	B.D.M./S.H.K.
CHECKED	C.M.W.



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Fairview Heights, Illinois 62208
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TOP OF SLAB ELEVATIONS
WEST CORBIN STREET OVER F.A.P. 310 (IL-255)
F.A.U. 8959 SECTION 05-00016-03-BR
MADISON COUNTY
STATION 36+23.37
STRUCTURE NO. 060-6851

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO.
F.A.U. 8959	05-00016-03-BR	MADISON	129	56
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 5
30 SHEETS

Contract # 97351

Girder 1				
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. E. Appr. Bent	3508.702	-17.833	494.480	494.480
End E. Appr. Span	3509.223	-17.833	494.491	494.491
A	3519.223	-17.833	494.694	494.694
Bk. E. Abut.	3526.494	-17.833	494.842	494.842
CL Brg. E. Abut.	3527.786	-17.833	494.868	494.868
B	3537.786	-17.833	495.071	495.103
C	3547.786	-17.833	495.274	495.333
D	3557.786	-17.833	495.477	495.553
E	3567.786	-17.833	495.680	495.760
F	3577.786	-17.833	495.883	495.955
G	3587.786	-17.833	496.086	496.140
H	3597.786	-17.833	496.289	496.319
I	3607.786	-17.833	496.492	496.501
CL Brg. Pier	3618.782	-17.833	496.710	496.710
J	3628.782	-17.833	496.892	496.900
K	3638.782	-17.833	497.058	497.086
L	3648.782	-17.833	497.208	497.260
M	3658.782	-17.833	497.342	497.413
N	3668.782	-17.833	497.460	497.540
O	3678.782	-17.833	497.562	497.639
P	3688.782	-17.833	497.648	497.710
Q	3698.782	-17.833	497.718	497.753
CL Brg. W. Abut.	3709.783	-17.833	497.776	497.776
Bk. W. Abut.	3711.072	-17.833	497.782	497.782
R	3721.072	-17.833	497.816	497.816
End W. Appr. Span	3735.845	-17.833	497.838	497.838
Bk. W. Appr. Bent	3736.366	-17.833	497.838	497.838

Girder 2				
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. E. Appr. Bent	3510.310	-11.583	494.643	494.643
End E. Appr. Span	3510.830	-11.583	494.653	494.653
A	3520.830	-11.583	494.856	494.856
Bk. E. Abut.	3528.101	-11.583	495.004	495.004
CL Brg. E. Abut.	3529.393	-11.583	495.030	495.030
B	3539.393	-11.583	495.233	495.266
C	3549.393	-11.583	495.436	495.496
D	3559.393	-11.583	495.639	495.716
E	3569.393	-11.583	495.842	495.923
F	3579.393	-11.583	496.045	496.118
G	3589.393	-11.583	496.248	496.302
H	3599.393	-11.583	496.451	496.482
I	3609.393	-11.583	496.654	496.664
CL Brg. Pier	3620.390	-11.583	496.870	496.870
J	3630.390	-11.583	497.049	497.057
K	3640.390	-11.583	497.213	497.241
L	3650.390	-11.583	497.360	497.412
M	3660.390	-11.583	497.492	497.563
N	3670.390	-11.583	497.607	497.687
O	3680.390	-11.583	497.707	497.784
P	3690.390	-11.583	497.790	497.852
Q	3700.390	-11.583	497.858	497.893
CL Brg. W. Abut.	3711.390	-11.583	497.913	497.913
Bk. W. Abut.	3712.679	-11.583	497.919	497.919
R	3722.679	-11.583	497.950	497.950
End W. Appr. Span	3737.452	-11.583	497.968	497.968
Bk. W. Appr. Bent	3737.973	-11.583	497.968	497.968

Girder 3				
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. E. Appr. Bent	3511.917	-5.333	494.806	494.806
End E. Appr. Span	3512.438	-5.333	494.816	494.816
A	3522.438	-5.333	495.019	495.019
Bk. E. Abut.	3529.709	-5.333	495.167	495.167
CL Brg. E. Abut.	3531.001	-5.333	495.193	495.193
B	3541.001	-5.333	495.396	495.429
C	3551.001	-5.333	495.599	495.659
D	3561.001	-5.333	495.802	495.878
E	3571.001	-5.333	496.005	496.086
F	3581.001	-5.333	496.208	496.280
G	3591.001	-5.333	496.411	496.465
H	3601.001	-5.333	496.614	496.645
I	3611.001	-5.333	496.817	496.826
CL Brg. Pier	3621.998	-5.333	497.030	497.030
J	3631.998	-5.333	497.207	497.215
K	3641.998	-5.333	497.368	497.396
L	3651.998	-5.333	497.513	497.565
M	3661.998	-5.333	497.642	497.712
N	3671.998	-5.333	497.754	497.835
O	3681.998	-5.333	497.851	497.929
P	3691.998	-5.333	497.932	497.994
Q	3701.998	-5.333	497.997	498.033
CL Brg. W. Abut.	3712.998	-5.333	498.050	498.050
Bk. W. Abut.	3714.287	-5.333	498.055	498.055
R	3724.287	-5.333	498.084	498.084
End W. Appr. Span	3739.060	-5.333	498.098	498.098
Bk. W. Appr. Bent	3739.581	-5.333	498.098	498.098

DESIGNED	T.M.M.
CHECKED	C.M.W.
DRAWN	B.D.M./S.H.K.
CHECKED	C.M.W.



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Note:
Work with sheet 4 of 30

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TOP OF SLAB ELEVATIONS
WEST CORBIN STREET OVER F.A.P. 310 (IL-255)
F.A.U. 8959 SECTION 05-00016-03-BR
MADISON COUNTY
STATION 36+23.37
STRUCTURE NO. 060-6851

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 8959	05-00016-03-BR	MADISON	129	57
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT--		

SHEET NO. 6
30 SHEETS

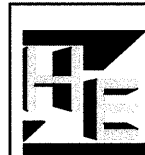
Contract # 97351

Girder 4				
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. E. Appr. Bent	3513.525	.917	494.930	494.930
End E. Appr. Span	3514.046	.917	494.941	494.941
A	3524.046	.917	495.144	495.144
Bk. E. Abut.	3531.317	.917	495.292	495.292
CL Brg. E. Abut.	3532.609	.917	495.318	495.318
B	3542.609	.917	495.521	495.553
C	3552.609	.917	495.724	495.783
D	3562.609	.917	495.927	496.003
E	3572.609	.917	496.130	496.210
F	3582.609	.917	496.333	496.405
G	3592.609	.917	496.536	496.590
H	3602.609	.917	496.739	496.769
I	3612.609	.917	496.941	496.951
CL Brg. Pier	3623.606	.917	497.152	497.152
J	3633.606	.917	497.326	497.334
K	3643.606	.917	497.484	497.513
L	3653.606	.917	497.627	497.678
M	3663.606	.917	497.753	497.824
N	3673.606	.917	497.863	497.943
O	3683.606	.917	497.957	498.035
P	3693.606	.917	498.036	498.097
Q	3703.606	.917	498.098	498.134
CL Brg. W. Abut.	3714.606	.917	498.148	498.148
Bk. W. Abut.	3715.895	.917	498.153	498.153
R	3725.895	.917	498.179	498.179
End W. Appr. Span	3740.668	.917	498.189	498.189
Bk. W. Appr. Bent	3741.189	.917	498.189	498.189

Girder 5				
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. E. Appr. Bent	3515.133	7.167	494.833	494.833
End E. Appr. Span	3515.654	7.167	494.843	494.843
A	3525.654	7.167	495.046	495.046
Bk. E. Abut.	3532.925	7.167	495.194	495.194
CL Brg. E. Abut.	3534.217	7.167	495.220	495.220
B	3544.217	7.167	495.423	495.456
C	3554.217	7.167	495.626	495.686
D	3564.217	7.167	495.829	495.905
E	3574.217	7.167	496.032	496.113
F	3584.217	7.167	496.235	496.307
G	3594.217	7.167	496.438	496.492
H	3604.217	7.167	496.641	496.672
I	3614.217	7.167	496.843	496.853
CL Brg. Pier	3625.214	7.167	497.051	497.051
J	3635.214	7.167	497.222	497.230
K	3645.214	7.167	497.378	497.406
L	3655.214	7.167	497.518	497.570
M	3665.214	7.167	497.641	497.712
N	3675.214	7.167	497.749	497.829
O	3685.214	7.167	497.841	497.918
P	3695.214	7.167	497.917	497.978
Q	3705.214	7.167	497.976	498.012
CL Brg. W. Abut.	3716.214	7.167	498.024	498.024
Bk. W. Abut.	3717.503	7.167	498.028	498.028
R	3727.503	7.167	498.052	498.052
End W. Appr. Span	3742.276	7.167	498.058	498.058
Bk. W. Appr. Bent	3742.797	7.167	498.058	498.058

Girder 6				
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. E. Appr. Bent	3516.741	13.417	494.735	494.735
End E. Appr. Span	3517.261	13.417	494.746	494.746
A	3527.261	13.417	494.949	494.949
Bk. E. Abut.	3534.532	13.417	495.096	495.096
CL Brg. E. Abut.	3535.824	13.417	495.123	495.123
B	3545.824	13.417	495.326	495.358
C	3555.824	13.417	495.529	495.588
D	3565.824	13.417	495.732	495.808
E	3575.824	13.417	495.935	496.015
F	3585.824	13.417	496.138	496.210
G	3595.824	13.417	496.341	496.395
H	3605.824	13.417	496.544	496.574
I	3615.824	13.417	496.745	496.754
CL Brg. Pier	3626.821	13.417	496.949	496.949
J	3636.821	13.417	497.118	497.126
K	3646.821	13.417	497.271	497.300
L	3656.821	13.417	497.408	497.460
M	3666.821	13.417	497.530	497.600
N	3676.821	13.417	497.635	497.715
O	3686.821	13.417	497.724	497.801
P	3696.821	13.417	497.797	497.859
Q	3706.821	13.417	497.854	497.890
CL Brg. W. Abut.	3717.821	13.417	497.899	497.899
Bk. W. Abut.	3719.110	13.417	497.903	497.903
R	3729.110	13.417	497.924	497.924
End W. Appr. Span	3743.883	13.417	497.927	497.927
Bk. W. Appr. Bent	3744.404	13.417	497.926	497.926

DESIGNED	T.M.M.
CHECKED	C.M.W.
DRAWN	B.D.M./S.H.K.
CHECKED	C.M.W.



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Note:
Work with sheet 4 of 30

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TOP OF SLAB ELEVATIONS
WEST CORBIN STREET OVER F.A.P. 310 (IL-255)
F.A.U. 8959 SECTION 05-00016-03-BR
MADISON COUNTY
STATION 36+23.37
STRUCTURE NO. 060-6851

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 8959	05-00016-03-BR	MADISON	129	58
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 7
30 SHEETS

Contract # 97351

South Edge of Deck					South Sidewalk/Curb Line					North Edge of Deck				
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection	Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection	Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. E. Appr. Bent	3507.887	-21.000	494.400	494.400	Bk. E. Appr. Bent	3509.431	-15.000	494.554	494.554	Bk. E. Appr. Bent	3517.555	16.583	494.686	494.686
End E. Appr. Span	3508.408	-21.000	494.410	494.410	End E. Appr. Span	3509.951	-15.000	494.564	494.564	End E. Appr. Span	3518.076	16.583	494.696	494.696
A	3518.408	-21.000	494.613	494.613	A	3519.951	-15.000	494.767	494.767	A	3528.076	16.583	494.899	494.899
Bk. E. Abut.	3525.679	-21.000	494.761	494.761	Bk. E. Abut.	3527.222	-15.000	494.915	494.915	Bk. E. Abut.	3535.347	16.583	495.047	495.047
CL Brg. E. Abut.	3526.971	-21.000	494.787	494.787	CL Brg. E. Abut.	3528.514	-15.000	494.941	494.941	CL Brg. E. Abut.	3536.639	16.583	495.073	495.073
B	3536.971	-21.000	494.990	495.023	B	3538.514	-15.000	495.144	495.177	B	3546.639	16.583	495.276	495.309
C	3546.971	-21.000	495.193	495.253	C	3548.514	-15.000	495.347	495.407	C	3556.639	16.583	495.479	495.539
D	3556.971	-21.000	495.396	495.472	D	3558.514	-15.000	495.550	495.627	D	3566.639	16.583	495.682	495.758
E	3566.971	-21.000	495.599	495.680	E	3568.514	-15.000	495.753	495.834	E	3576.639	16.583	495.885	495.966
F	3576.971	-21.000	495.802	495.874	F	3578.514	-15.000	495.956	496.029	F	3586.639	16.583	496.088	496.160
G	3586.971	-21.000	496.005	496.059	G	3588.514	-15.000	496.159	496.213	G	3596.639	16.583	496.291	496.345
H	3596.971	-21.000	496.208	496.239	H	3598.514	-15.000	496.362	496.393	H	3606.639	16.583	496.494	496.525
I	3606.971	-21.000	496.411	496.421	I	3608.514	-15.000	496.565	496.575	I	3616.639	16.583	496.694	496.704
CL Brg. Pier	3617.968	-21.000	496.630	496.630	CL Brg. Pier	3619.511	-15.000	496.782	496.782	CL Brg. Pier	3627.636	16.583	496.897	496.897
J	3627.968	-21.000	496.814	496.821	J	3629.511	-15.000	496.963	496.971	J	3637.636	16.583	497.065	497.073
K	3637.968	-21.000	496.981	497.009	K	3639.511	-15.000	497.128	497.156	K	3647.636	16.583	497.217	497.245
L	3647.968	-21.000	497.132	497.184	L	3649.511	-15.000	497.277	497.329	L	3657.636	16.583	497.353	497.405
M	3657.968	-21.000	497.267	497.338	M	3659.511	-15.000	497.410	497.481	M	3667.636	16.583	497.473	497.544
N	3667.968	-21.000	497.387	497.467	N	3669.511	-15.000	497.527	497.607	N	3677.636	16.583	497.577	497.657
O	3677.968	-21.000	497.490	497.567	O	3679.511	-15.000	497.627	497.705	O	3687.636	16.583	497.665	497.742
P	3687.968	-21.000	497.577	497.639	P	3689.511	-15.000	497.712	497.774	P	3697.636	16.583	497.736	497.798
Q	3697.968	-21.000	497.649	497.684	Q	3699.511	-15.000	497.781	497.817	Q	3707.636	16.583	497.792	497.828
CL Brg. W. Abut.	3708.968	-21.000	497.709	497.709	CL Brg. W. Abut.	3710.511	-15.000	497.838	497.838	CL Brg. W. Abut.	3718.636	16.583	497.835	497.835
Bk. W. Abut.	3710.257	-21.000	497.715	497.715	Bk. W. Abut.	3711.800	-15.000	497.844	497.844	Bk. W. Abut.	3719.925	16.583	497.839	497.839
R	3720.257	-21.000	497.750	497.750	R	3721.800	-15.000	497.877	497.877	R	3729.925	16.583	497.859	497.859
End W. Appr. Span	3735.030	-21.000	497.774	497.774	End W. Appr. Span	3736.573	-15.000	497.897	497.897	End W. Appr. Span	3744.698	16.583	497.860	497.860
Bk. W. Appr. Bent	3735.551	-21.000	497.774	497.774	Bk. W. Appr. Bent	3737.094	-15.000	497.897	497.897	Bk. W. Appr. Bent	3745.219	16.583	497.859	497.859

DESIGNED	T.M.M.
CHECKED	C.M.W.
DRAWN	B.D.M./S.H.K.
CHECKED	C.M.W.



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Note:
Work with sheet 4 of 30

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TOP OF SLAB ELEVATIONS
WEST CORBIN STREET OVER F.A.P. 310 (IL-255)
F.A.U. 8959 SECTION 05-00016-03-BR
MADISON COUNTY
STATION 36+23.37
STRUCTURE NO. 060-6851

East Approach Pavement

West Approach Pavement

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 8959	05-00016-03-BR	MADISON	129	59
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT--		

Contract # 97351

SHEET NO. 8
30 SHEETS

South Edge of Pavement			
Location	Station	Offset	Theoretical Grade Elevations
End E. Appr. Pav't	34+79.95	-15.00	494.04
A	34+89.96	-15.00	494.22
B	34+99.96	-15.00	494.40
End E. Appr. Span Slab	35+09.95	-15.00	494.58

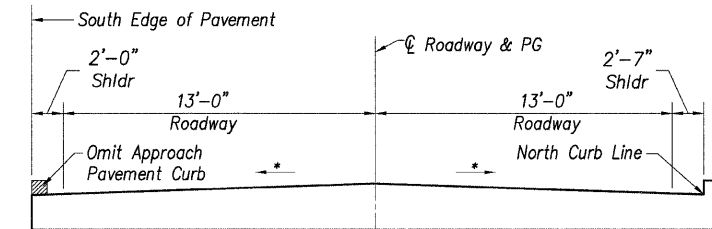
South Edge of Pavement			
Location	Station	Offset	Theoretical Grade Elevations
End W. Appr. Span Slab	37+36.57	-15.00	497.91
C	37+46.58	-15.00	497.93
D	37+56.58	-15.00	497.93
End W. Appr. Pav't	37+66.57	-15.00	497.92

☉ Roadway & PG			
Location	Station	Offset	Theoretical Grade Elevations
End E. Appr. Pav't	34+83.81	0.00	494.35
A	34+93.81	0.00	494.55
B	35+03.81	0.00	494.75
End E. Appr. Span Slab	35+13.81	0.00	494.96

☉ Roadway & PG			
Location	Station	Offset	Theoretical Grade Elevations
End W. Appr. Span Slab	37+40.43	0.00	498.21
C	37+50.43	0.00	498.20
D	37+60.43	0.00	498.17
End W. Appr. Pav't	37+70.43	0.00	498.12

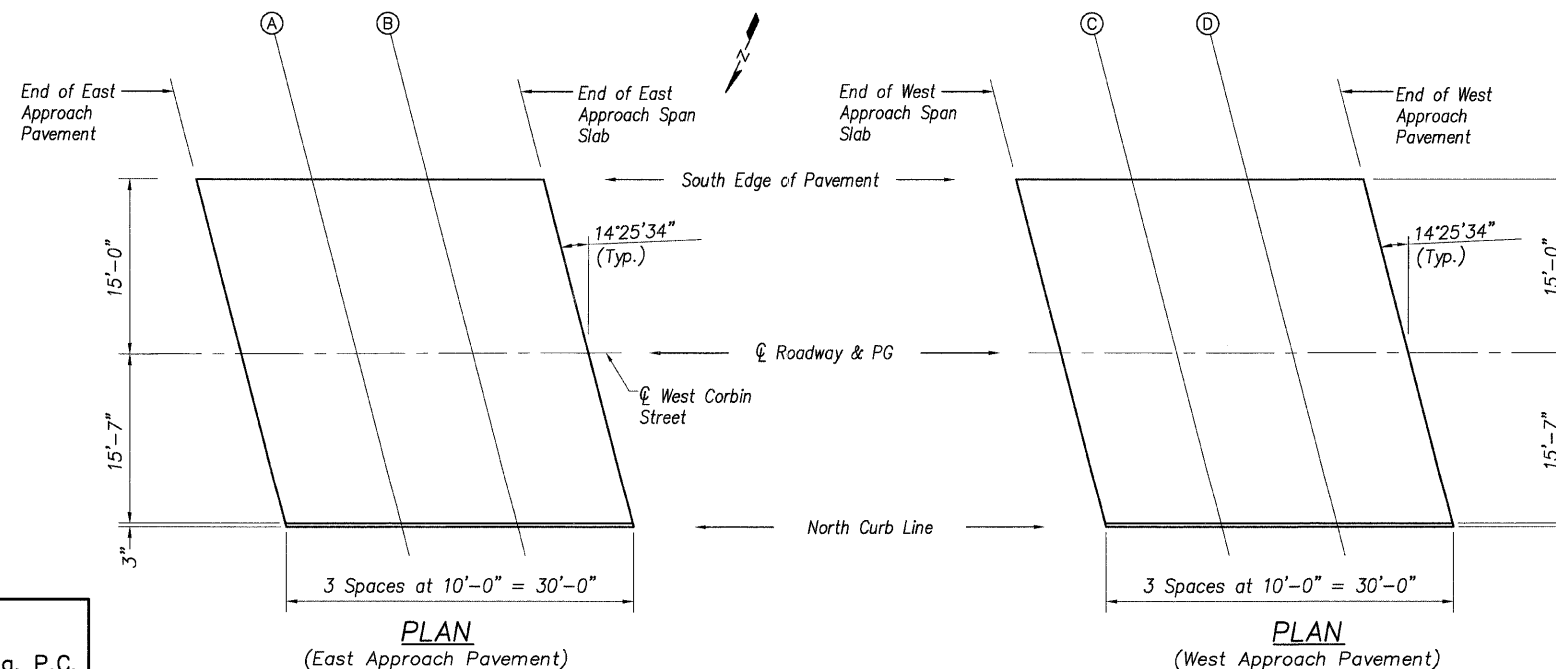
North Curb Line			
Location	Station	Offset	Theoretical Grade Elevations
End E. Appr. Pav't	34+87.82	15.00	494.19
A	34+97.83	15.00	494.37
B	35+07.82	15.00	494.55
End E. Appr. Span Slab	35+17.82	15.00	494.73

North Curb Line			
Location	Station	Offset	Theoretical Grade Elevations
End W. Appr. Span Slab	37+44.44	15.00	497.89
C	37+54.45	15.00	497.90
D	37+64.44	15.00	497.89
End W. Appr. Pav't	37+74.44	15.00	497.87

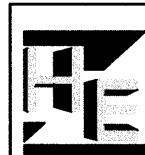


* 2% at Approach Pavement/Approach Span Interface
1.5% at Approach Pavement/Roadway Interface

CROSS SECTION
(Looking West)



DESIGNED	T.M.M.
CHECKED	C.M.W.
DRAWN	B.D.M./S.H.K.
CHECKED	C.M.W.

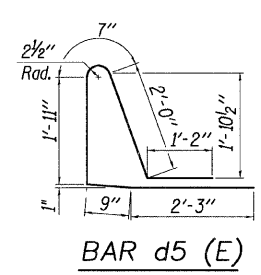
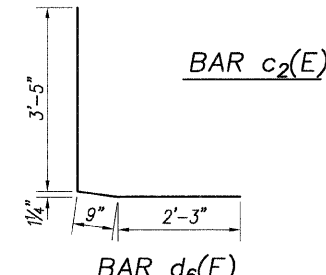
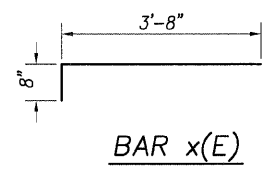
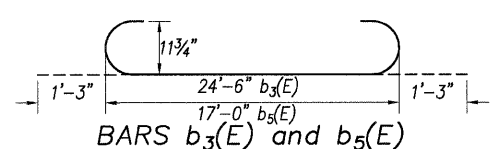
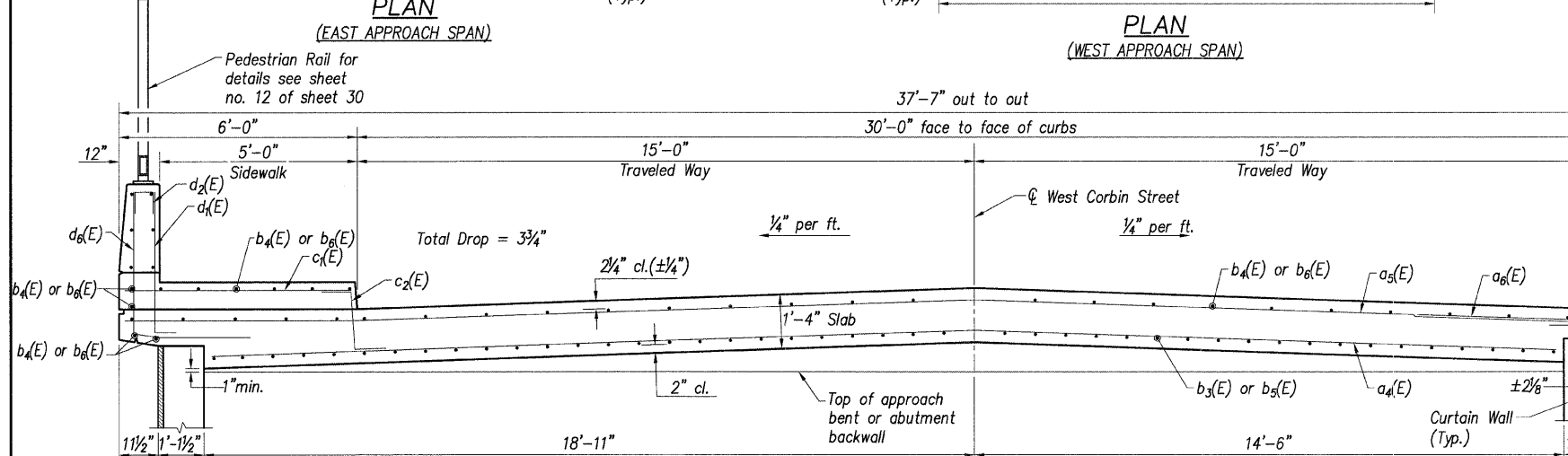
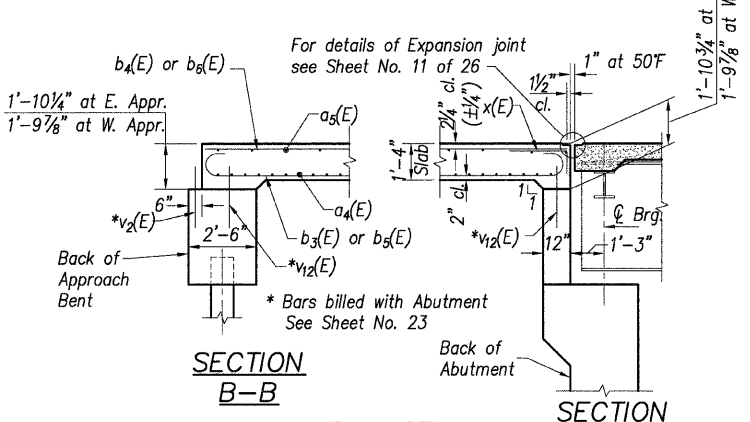
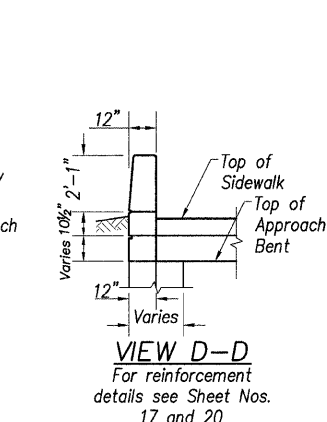
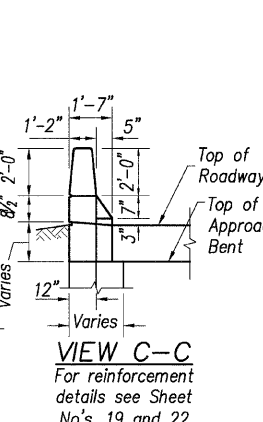
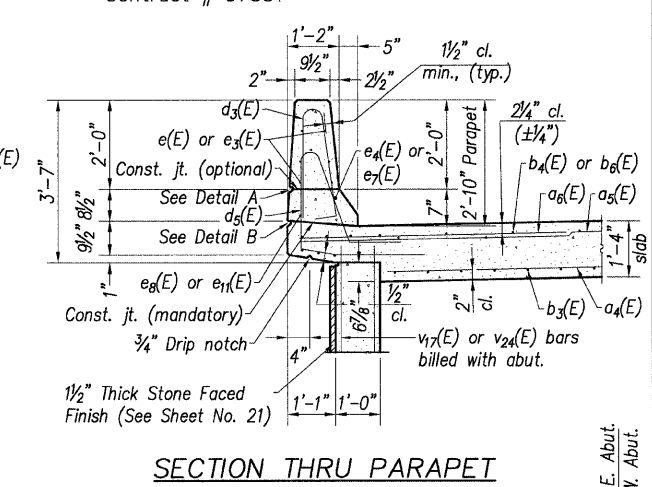
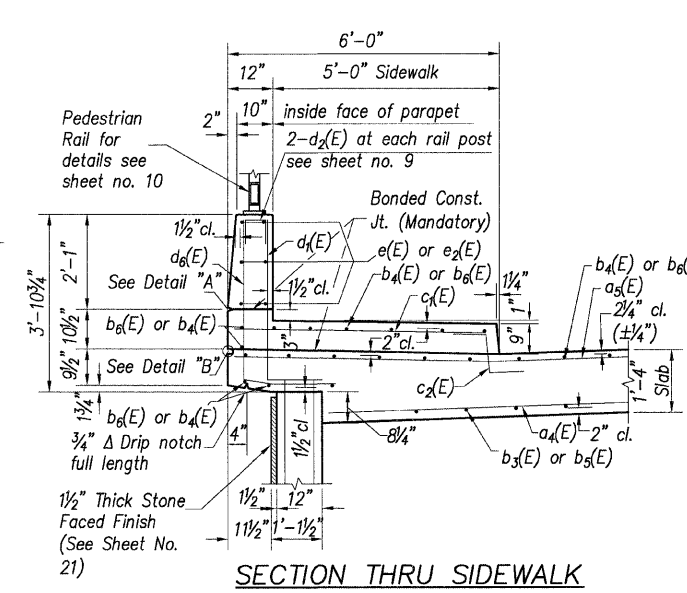
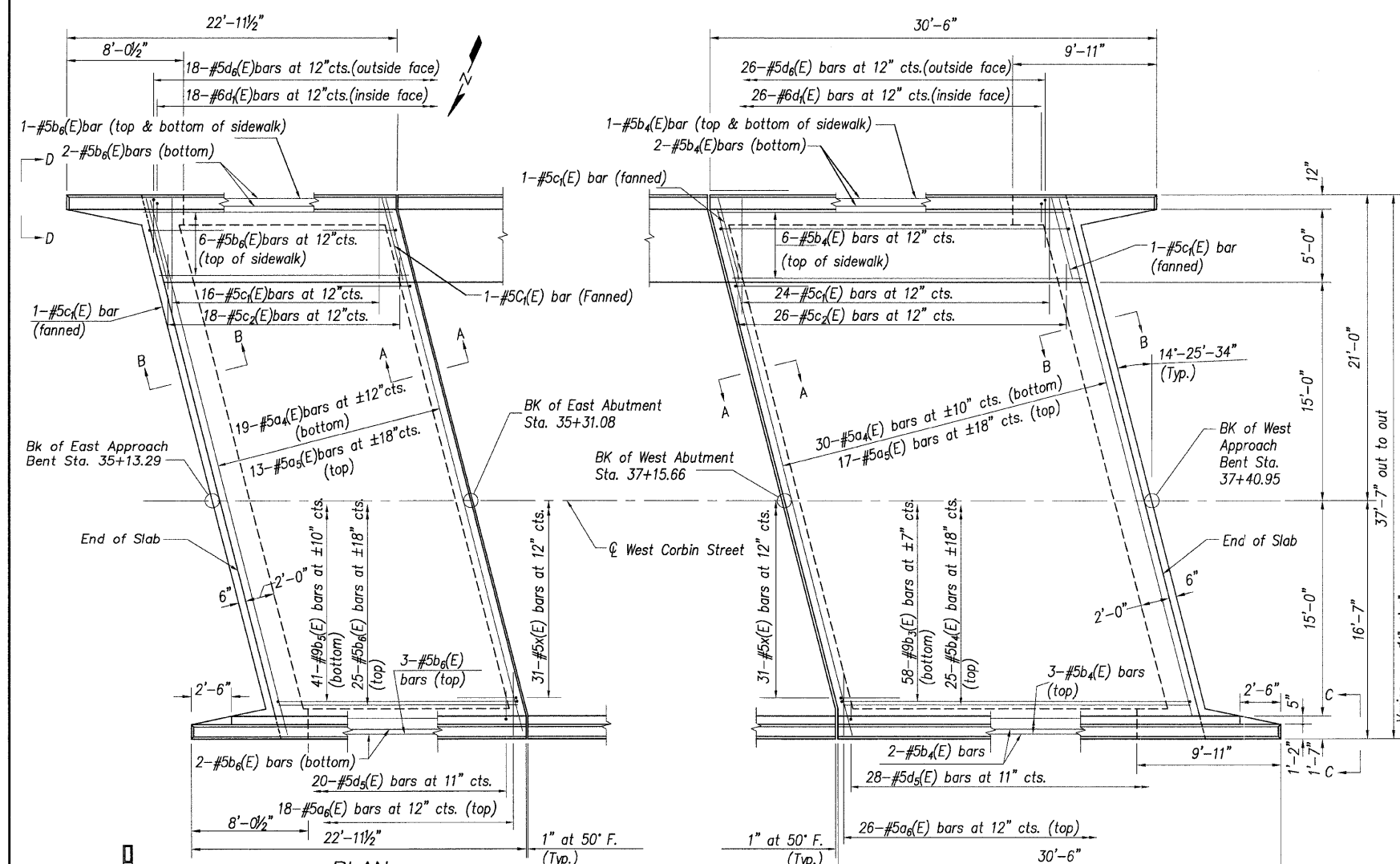


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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TOP OF APPROACH SLAB ELEVATIONS
WEST CORBIN STREET OVER F.A.P. 310 (I-255)
F.A.U. 8959 SECTION 05-00016-03-BR
MADISON COUNTY
STATION 36+23.37
STRUCTURE NO. 060-6851

Contract # 97351



Bar	No.	Size	Length	Shape
a ₄ (E)	49	#5	34'-3"	—
a ₅ (E)	30	#5	38'-6"	—
a ₆ (E)	44	#5	4'-6"	—
b ₃ (E)	58	#9	27'-0"	U
b ₄ (E)	40	#5	24'-6"	—
b ₅ (E)	41	#9	19'-6"	U
b ₆ (E)	40	#5	17'-0"	—
c ₁ (E)	44	#5	5'-9"	—
c ₂ (E)	44	#5	2'-5"	—
d ₁ (E)	44	#6	4'-5"	—
d ₅ (E)	48	#5	8'-8"	—
d ₆ (E)	44	#5	6'-5"	—
x(E)	62	#5	4'-4"	—
Reinforcement Bars, Epoxy Coated			Pound	14,611
Concrete Superstructure			Cu. Yd.	94.0

- Notes:
1. Reinforcement bars designated (E) shall be epoxy coated.
 2. For parapet elevations and Bill of Materials see Sheet No. 9 of 26.
 3. For abutment and approach bent reinforcement details see Sheet Nos. 15 thru 21.
 4. For Stone Faced Finish details see Special Provisions.
 5. Protective Coat shall be applied to the top and inside faces of the sidewalk.
 6. For Details "A" and "B" see Sheet No. 9.
 7. Work this sheet with deck plan and details and parapet details sheets.

DESIGNED	T.M.M.
CHECKED	C.M.W.
DRAWN	B.D.M./S.H.K.
CHECKED	C.M.W.

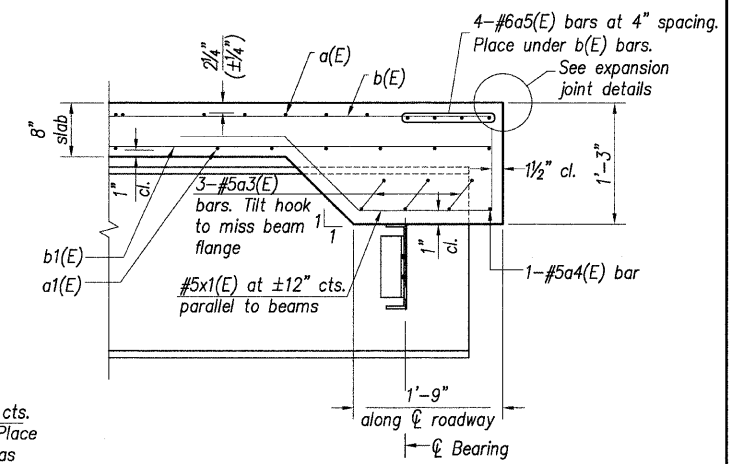
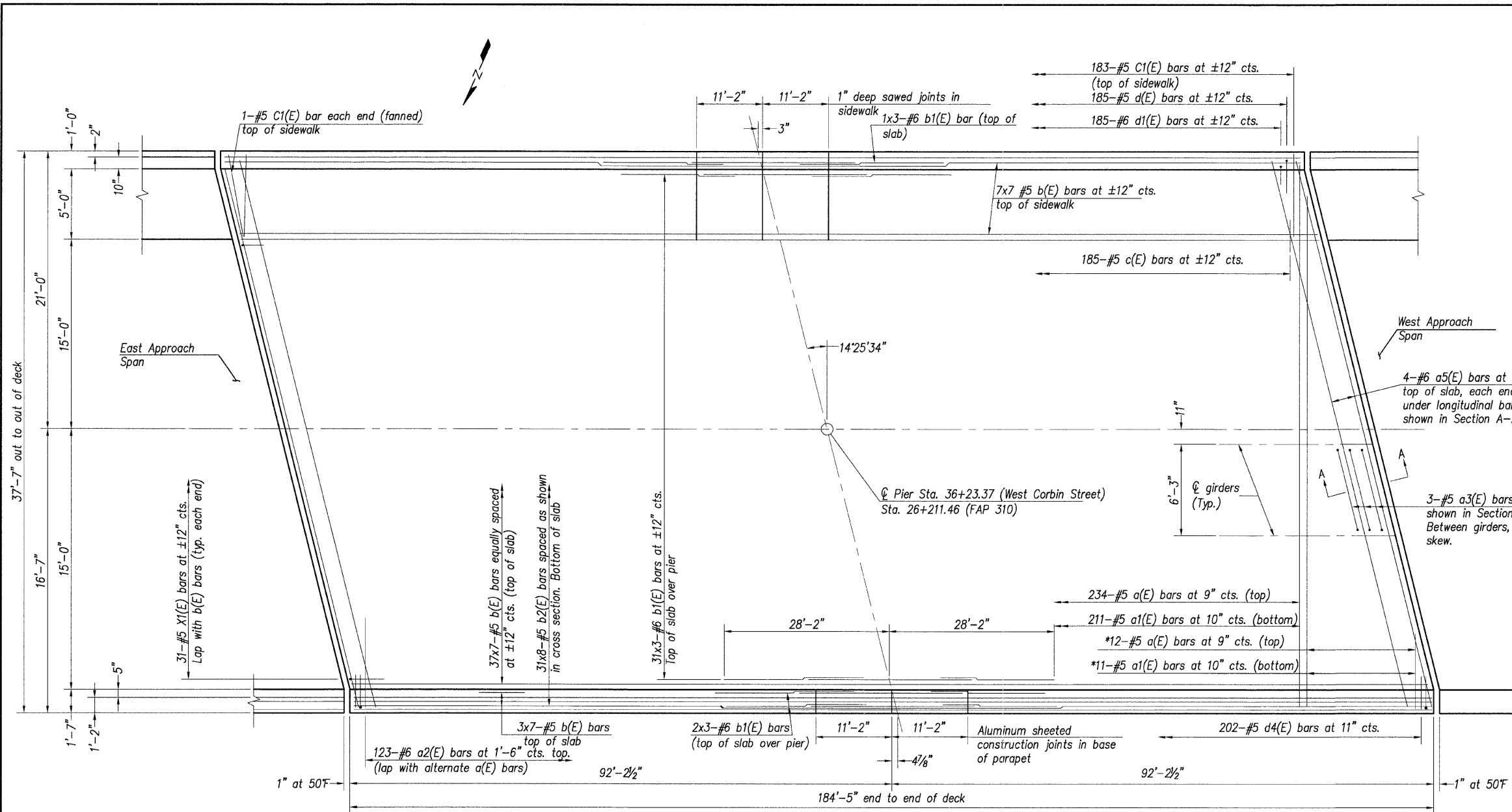
Hoelscher Engineering, P.C.

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(618)624-8610 FAX: (618)624-8611

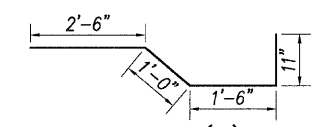
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
APPROACH SPAN DETAILS
 WEST CORBIN STREET OVER F.A.P. 310 (IL-255)
 F.A.U. 8959 SECTION 05-00016-03-BR
 MADISON COUNTY
 STATION 36+23.37
 STRUCTURE NO. 060-6851

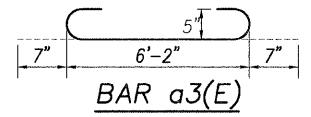
Contract # 97351



SECTION A-A



BAR X1(E)

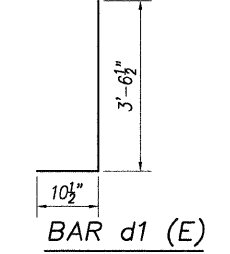
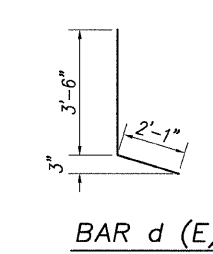
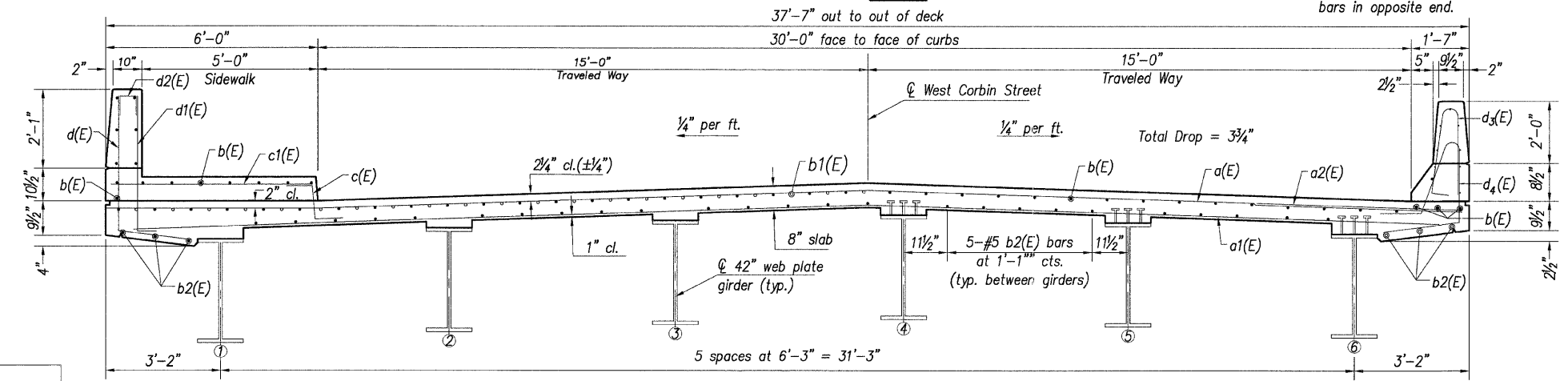


BAR a3(E)

MINIMUM BAR LAPS
 #5 BARS = 2'-2"
 #6 BARS = 2'-7"

NOTES

1. See sheet 11 for sidewalk and parapet details.
2. See sheet 11 for Bill of Materials.
3. Bars indicated thus 20 X 3 - #5 etc. indicates 20 lines of bars with 3 lengths per line.
4. See sheet 11 for parapet reinforcement.



DESIGNED	T.M.M.
CHECKED	C.M.W.
DRAWN	B.D.M./S.H.K.
CHECKED	C.M.W.

Hoelscher Engineering, P.C.

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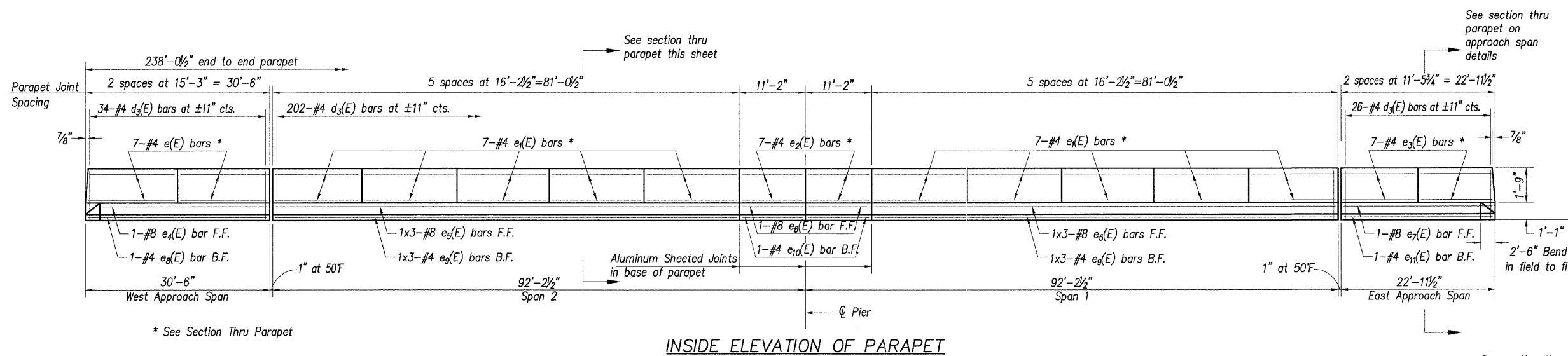
NEAR PIER

CROSS SECTION (LOOKING WEST)

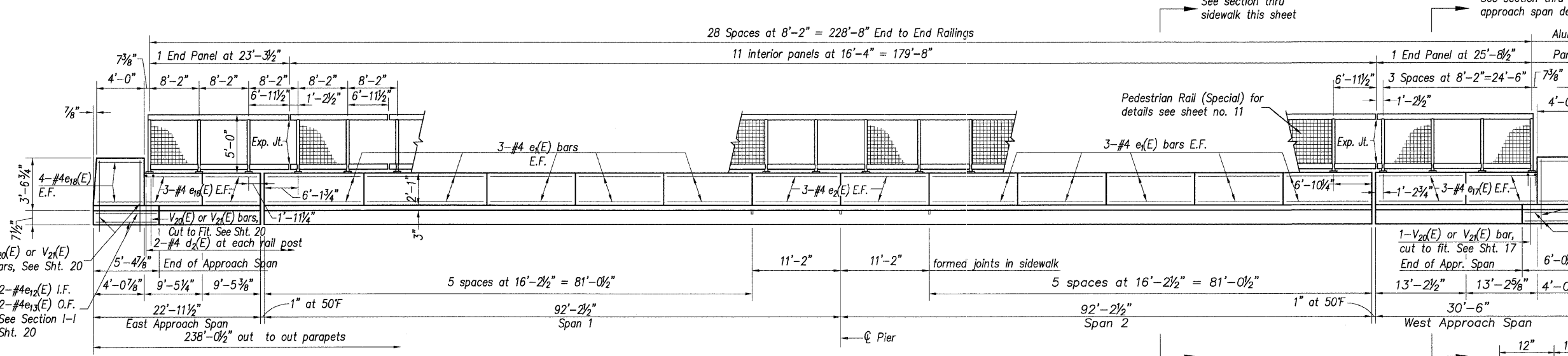
NEAR MIDSPAN

REVISIONS	
NAME	DATE

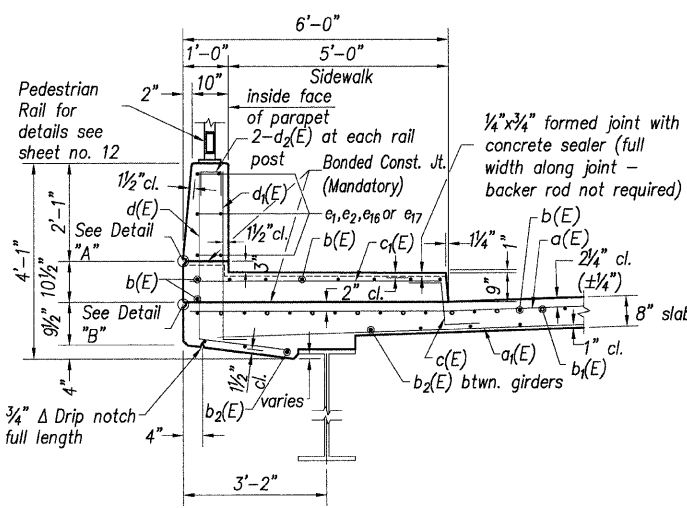
ILLINOIS DEPARTMENT OF TRANSPORTATION
DECK PLAN & DETAILS
 WEST CORBIN STREET OVER F.A.P. 310 (IL-255)
 F.A.U. 8959 SECTION 05-00016-03-BR
 MADISON COUNTY
 STATION 36+23.37
 STRUCTURE NO. 060-6851



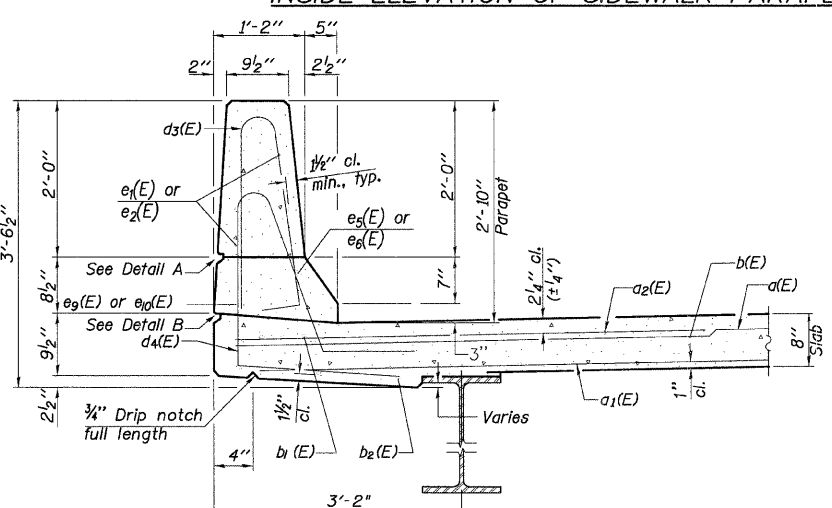
INSIDE ELEVATION OF PARAPET



INSIDE ELEVATION OF SIDEWALK PARAPET



SECTION THRU SIDEWALK

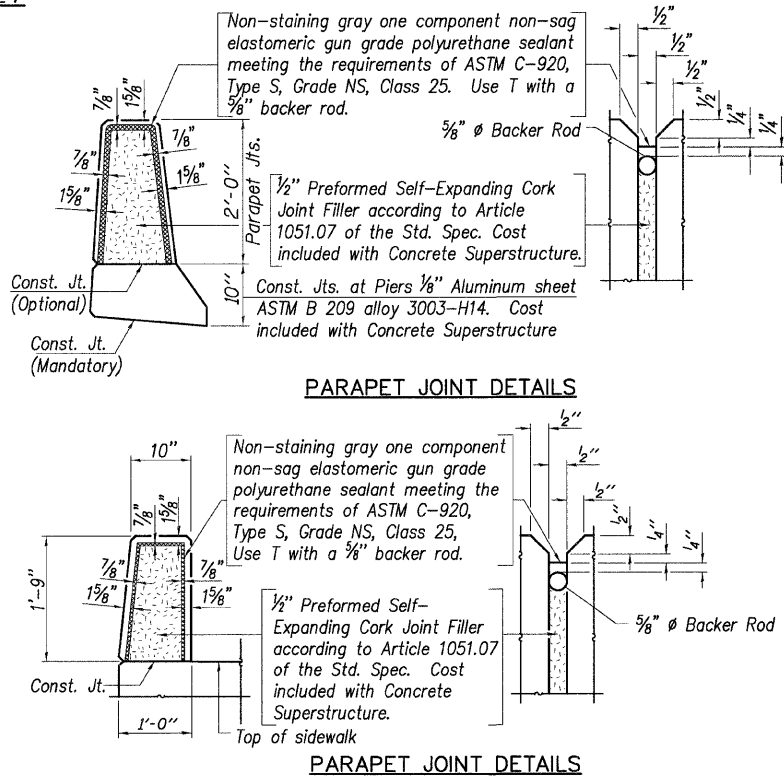
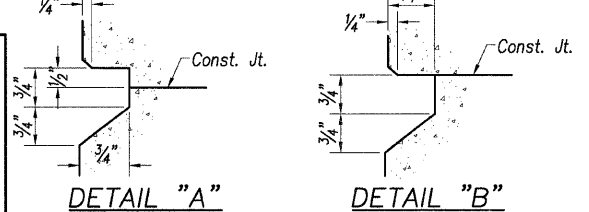


SECTION THRU PARAPET

DESIGNED	T.M.M.
CHECKED	C.M.W.
DRAWN	B.D.M./S.H.K.
CHECKED	C.M.W.

Hoelscher Engineering, P.C.

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PARAPET JOINT DETAILS

PARAPET JOINT DETAILS

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	246	#5	37'-4"	
a2(E)	222	#5	36'-4"	
a3(E)	123	#6	6'-0"	
a4(E)	30	#5	7'-4"	
b(E)	329	#5	28'-2"	
b2(E)	102	#6	20'-6"	
b3(E)	248	#5	24'-11"	
c(E)	185	#5	2'-5"	
c2(E)	184	#5	5'-9"	
d(E)	185	#5	5'-7"	
d2(E)	185	#6	4'-5"	
d3(E)	56	#4	2'-0"	
d4(E)	262	#5	5'-7"	
d5(E)	202	#5	7'-11"	
e(E)	14	#4	15'-0"	
e2(E)	130	#4	15'-11"	
e3(E)	26	#4	10'-11"	
e4(E)	14	#4	11'-2"	
e5(E)	1	#8	30'-3"	
e6(E)	6	#8	30'-2"	
e7(E)	2	#8	10'-11"	
e8(E)	1	#8	22'-8"	
e9(E)	1	#4	30'-3"	
e10(E)	6	#4	27'-10"	
e11(E)	2	#4	10'-11"	
e12(E)	1	#4	22'-8"	
e13(E)	2	#4	5'-1"	
e14(E)	2	#4	4'-10"	
e15(E)	2	#4	5'-9"	
e16(E)	2	#4	6'-0"	
e17(E)	12	#4	9'-1"	
e18(E)	12	#4	12'-11"	
e19(E)	16	#4	3'-8"	
x(E)	62	#5	5'-11"	

Reinforcement Bars, Epoxy Coated	Pound	49,012
Concrete Superstructure	Cu. Yd.	256.6

NOTES

1. Bars indicated thus 1 X 3 - #5 etc. indicates 1 line of bars with 3 lengths per line.
2. Reinforcement bars designated (E) shall be epoxy coated.
3. For approach span parapet details see sheet 7.
4. Protective coat shall be applied to the top and inside faces of the parapets and sidewalk.
5. I.F. denotes inside face
O.F. denotes outside face
E.F. denotes each face
F.F. denotes Front Face
B.F. denotes Back Face

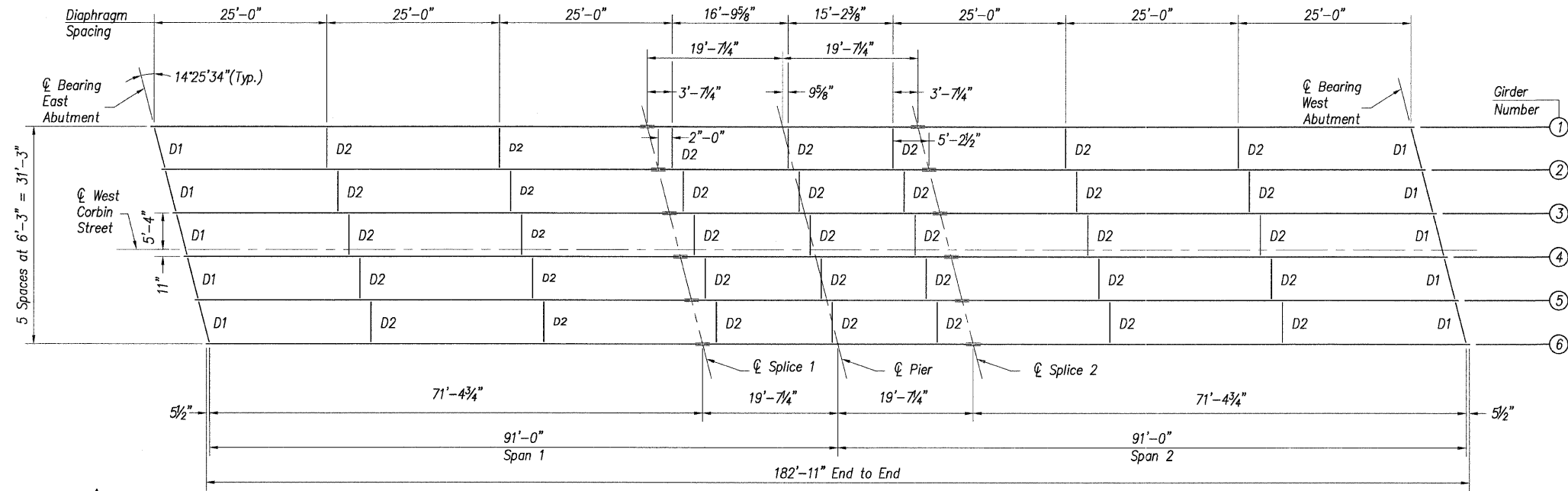
ILLINOIS DEPARTMENT OF TRANSPORTATION

PARAPET DETAILS

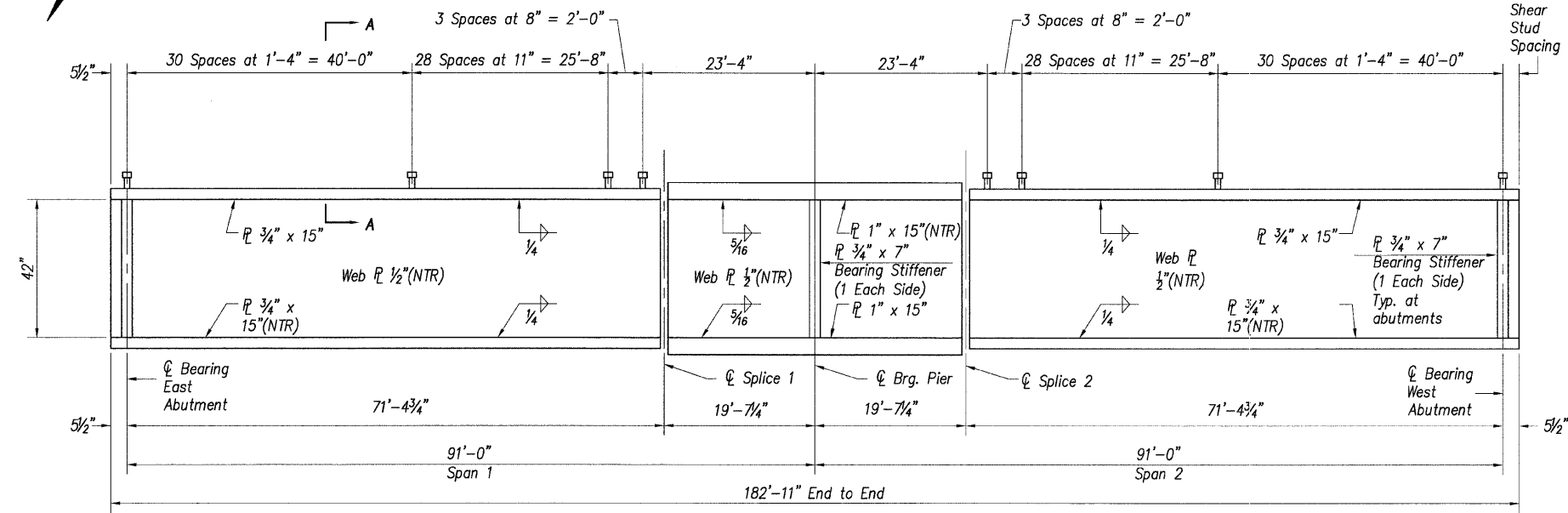
WEST CORBIN STREET OVER F.A.P. 310 (IL-255)
F.A.U. 8959 SECTION 05-00016-03-BR
MADISON COUNTY
STATION 36+23.37
STRUCTURE NO. 060-6851

REVISIONS	
NAME	DATE

Contract # 97351



FRAMING PLAN

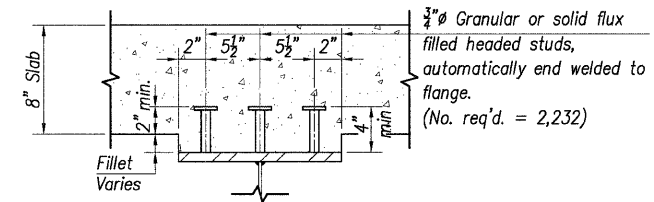


GIRDER ELEVATION

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

Notes

- All girders, splice plates, and bearing stiffeners shall be AASHTO M270 Grade 50.
- See sheet 15 of 30 for structural steel details.
- All cross frames or diaphragms shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted. Individual cross frames or diaphragms at supports may be temporarily disconnected to install bearing anchor rods.
- Load carrying components designated "NTR" shall conform to the supplemental requirements for Notch Toughness, Zone 2.



SECTION A-A

	0.4 Sp. 1 or 0.6 Sp. 2	Pier
I_s	(in ⁴) 13,368	16,957
$I_c(n)$	(in ⁴) 31,178	-
$I_c(3n)$	(in ⁴) 23,239	-
S_s	(in ³) 615	771
$S_c(n)$	(in ³) 835	-
$S_c(3n)$	(in ³) 763	-
Z	(in ³)	
Q	(k/') 0.805	1.4
M_D	(k) 446	1,367
S_D	(k/') 0.569	-
M_{SD}	(k) 374	-
M_L	(k) 652	453
M_{imp}	(k) 150	104
$5/3 [M_L + M_{imp}]$	(k) 1,337	929
M_o	(k) 2,804	2,985
* M_u	(k) 3,297	-
$f_s Q(\text{non-comp})$	(ksi) 8.7	21.3
$f_s Q(\text{comp})$	(ksi) 5.9	-
$f_s 5/3 [M_L + M_{imp}]$	(ksi) 19.2	14.5
$f_s(\text{Overload})$	(ksi) 33.8	35.8
** $f_s(\text{Total})$	(ksi) 46.5	-
VR	(k) 104.0	-

* Compact section ** Braced non-compact and partially braced section

- I_s, S_s Non-composite moment of inertia and section modulus of the steel section used for computing f_s (Total and Overload) due to non-composite dead loads (in⁴ and in³).
- $I_c(n), S_c(n)$ Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing f_s (Total and Overload) due to short-term composite live loads (in⁴ and in³).
- $I_c(3n), S_c(3n)$ Composite moment of inertia and section modulus of the steel and deck based upon 3 times the modular ratio, "3n", used for computing f_s (Total and Overload) due to long-term composite (superimposed) dead loads (in⁴ and in³).
- D Un-factored non-composite dead load (kips/ft.).
- M_D Un-factored moment due to non-composite dead load (kip-ft.).
- S_D Un-factored long-term composite (superimposed) dead load (kips/ft.).
- M_{SD} Un-factored moment due to long-term composite (superimposed) dead load (kip-ft.).
- M_L Un-factored live load moment (kip-ft.).
- M_{imp} Un-factored moment due to impact (kip-ft.).
- M_o Factored design moment (kip-ft.).
 $1.3[M_D + M_{SD} + 5/3 (M_L + M_{imp})]$
- M_u Compact composite moment capacity according to AASHTO LFD 10.50.1.1 or compact non-composite moment capacity according to AASHTO LFD 10.48.1 (kip-ft.).
- $f_s(\text{Overload})$ Sum of stresses as computed from the moments below (ksi).
 $M_D + M_{SD} + 5/3 (M_L + M_{imp})$
- $f_s(\text{Total})$ Sum of stresses as computed from the moments below on non-compact section (ksi).
 $1.3[M_D + M_{SD} + 5/3 (M_L + M_{imp})]$
- VR Maximum L + impact horizontal shear range within the composite portion of the span for stud shear connector design (kips).

	Abut.	Pier
R_D	(k) 47.4	155.1
R_L	(k) 35.7	54.5
Imp.	(k) 8.2	12.5
R_{Total}	(k) 91.3	222.1

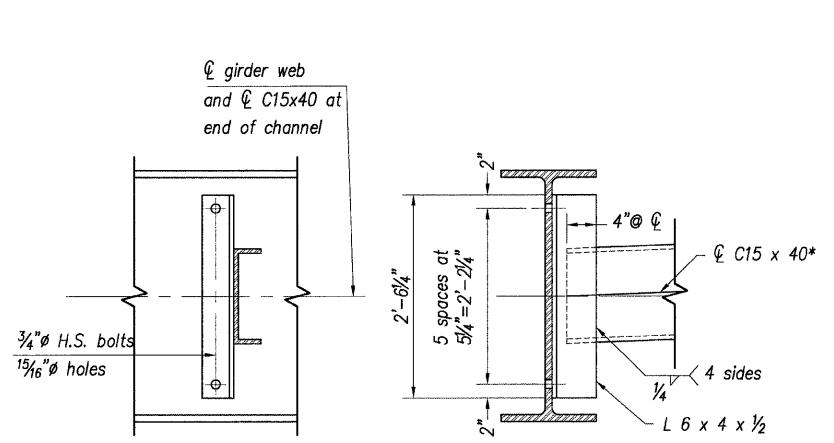
DESIGNED	T.M.M.
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DRAWN	B.D.M./S.H.K.
CHECKED	C.M.W.

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NAME	DATE

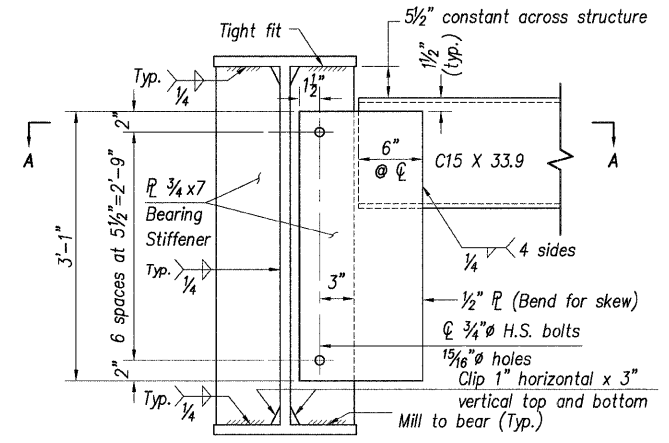
ILLINOIS DEPARTMENT OF TRANSPORTATION
FRAMING PLAN AND GIRDER DETAILS
WEST CORBIN STREET OVER F.A.P. 310 (IL-255)
F.A.U. 8959 SECTION 05-00016-03-BR
MADISON COUNTY
STATION 36+23.37
STRUCTURE NO. 060-6851

Contract # 97351



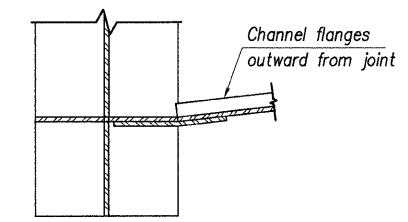
TYPICAL INTERIOR DIAPHRAGM (D2)

(Number Required = 35)

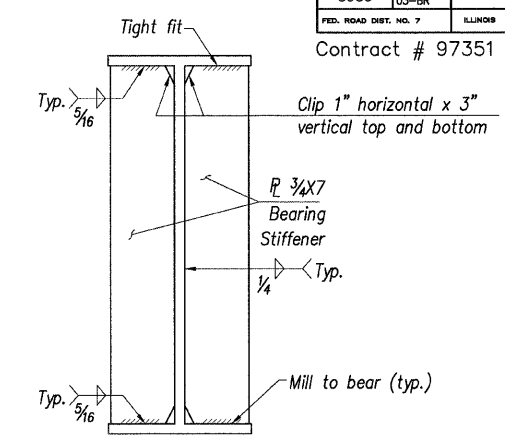


TYPICAL END DIAPHRAGM (D1)

(Number Required = 10)



SECTION A-A

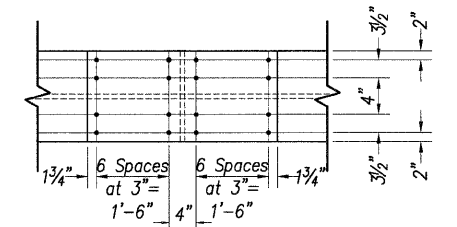
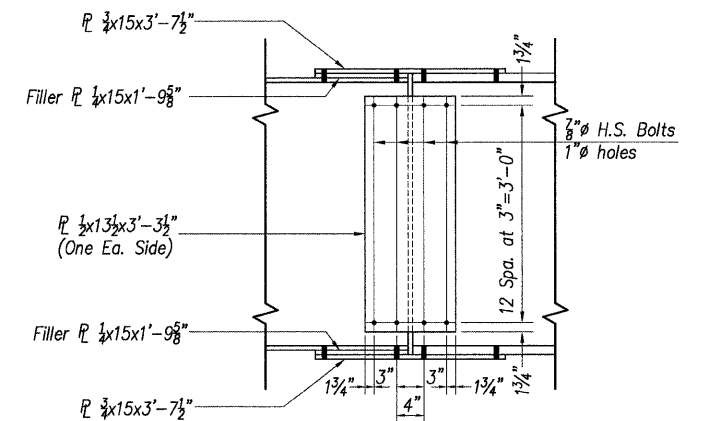
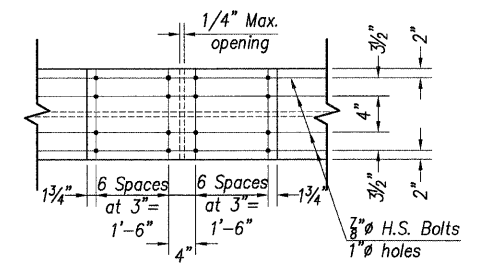


BEARING STIFFENER AT PIER

*An alternate C15 x 50 channel is permitted to facilitate material acquisition. Calculated weight of structural steel is based on the lighter section. The alternate, if utilized, shall be provided at no extra cost to the Department.

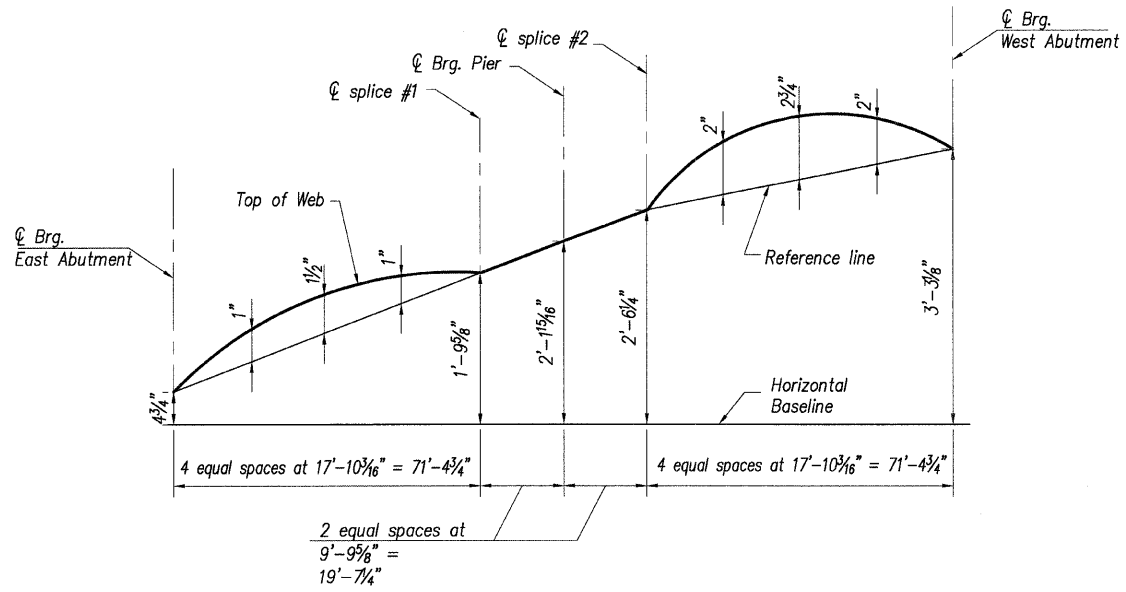
	Girder 1	Girder 2	Girder 3	Girder 4	Girder 5	Girder 6
Center Bearing East Abutment	494.08	494.24	494.40	494.53	494.43	494.33
Center Splice #1	495.44	495.61	495.77	495.90	495.80	495.70
Center Bearing Pier	495.90	496.06	496.22	496.34	496.24	496.14
Center Splice #2	496.18	496.34	496.49	496.61	496.50	496.40
Center Bearing West Abutment	496.98	497.12	497.26	497.36	497.23	497.11

TOP OF WEB ELEVATIONS (For Fabrication Use Only)



FIELD SPLICE DETAIL

(Number Required = 12)



CAMBER DIAGRAM

- Notes**
- All splice plates, and bearing stiffeners shall be AASHTO M270 Grade 50.
 - High Strength bolts shall be AASHTO M164/ ASTM A325 Type 1.
 - Two hardened washers required for each set of oversized holes in diaphragms.
 - NTR denotes plates to which notch toughness requirements (zone 2) are applicable.
 - All splice plates except fill plates shall meet N.T.R.

DESIGNED	T.M.M.
CHECKED	C.M.W.
DRAWN	B.D.M./S.H.K.
CHECKED	C.M.W.

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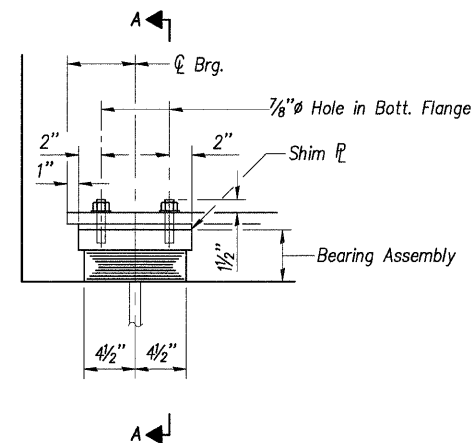
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
STRUCTURAL STEEL DETAILS
WEST CORBIN STREET OVER F.A.P. 310 (IL-255)
F.A.U. 8959 SECTION 05-00016-03-BR
MADISON COUNTY
STATION 36+23.37
STRUCTURE NO. 060-6851

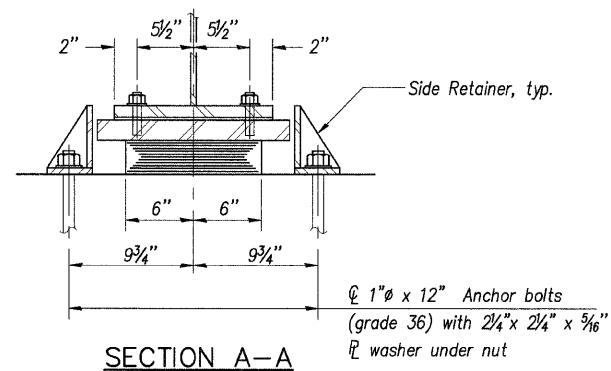
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 8959	05-00016-03-BR	MADISON	129	67
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 16
30 SHEETS

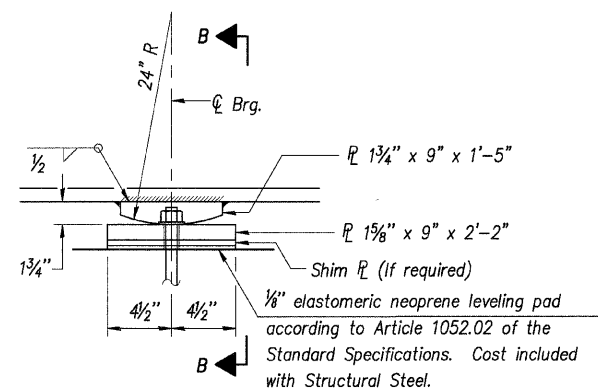
Contract # 97351



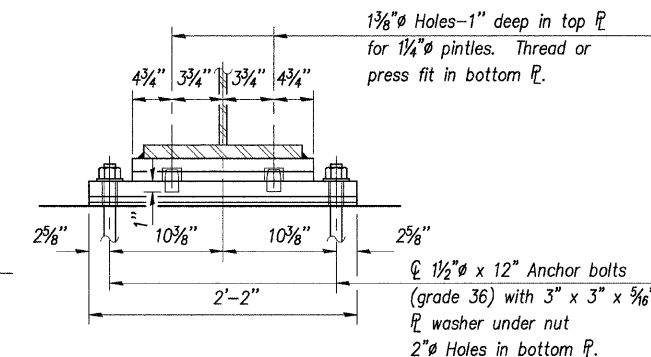
ELEVATION AT ABUT.



SECTION A-A

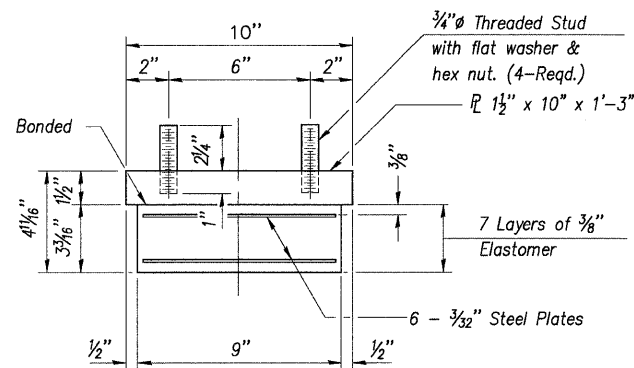


ELEVATION AT PIER



SECTION B-B

TYPE I ELASTOMERIC EXP. BRG.



BEARING ASSEMBLY

Note:
Shim plates shall not be placed under Bearing Assembly.

Notes:

Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.

Anchor bolts for side retainers may be cast in place or installed in holes drilled before or after members are in place.

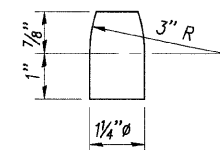
Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.

Side retainers and other steel members required for the bearing assembly shall be included in the cost of Elastomeric Bearing Assembly, Type I.

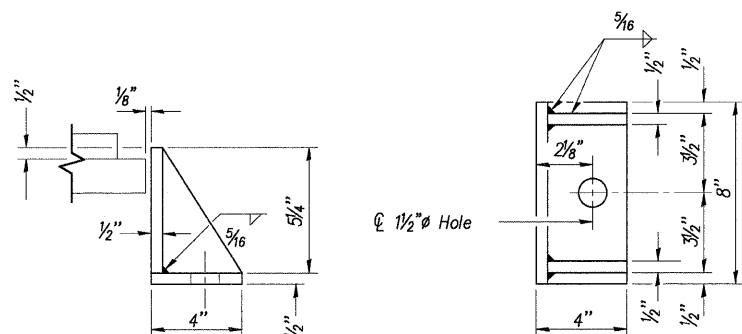
Two 1/8 in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.

The structural steel plates of the Bearing Assembly shall conform to the requirements of AASHTO M270 Grade 50.

FIXED BEARING



PINTLE



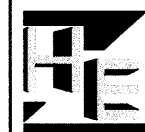
SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	12
Anchor Bolts 1 1/2" ϕ	Each	12
Anchor Bolts 1" ϕ	Each	24

DESIGNED	T.M.M.
CHECKED	C.M.W.
DRAWN	B.D.M./S.H.K.
CHECKED	C.M.W.



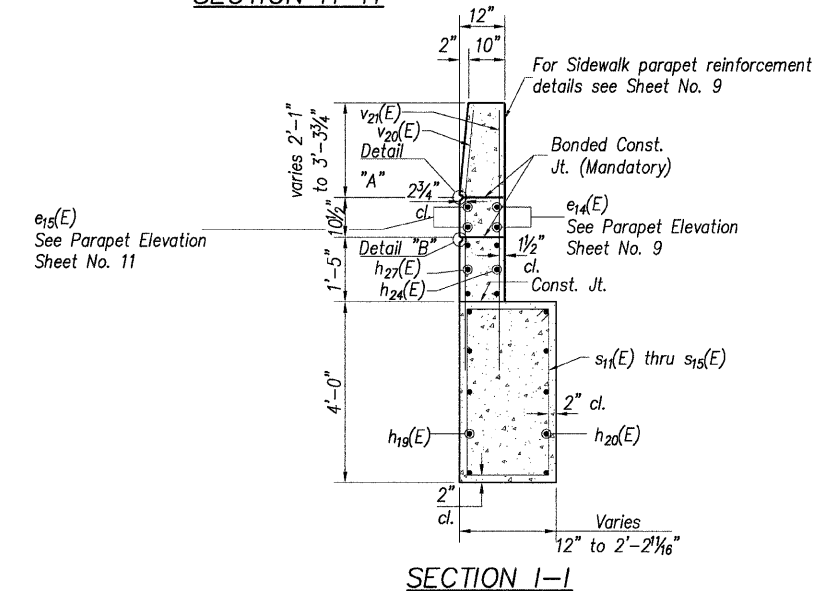
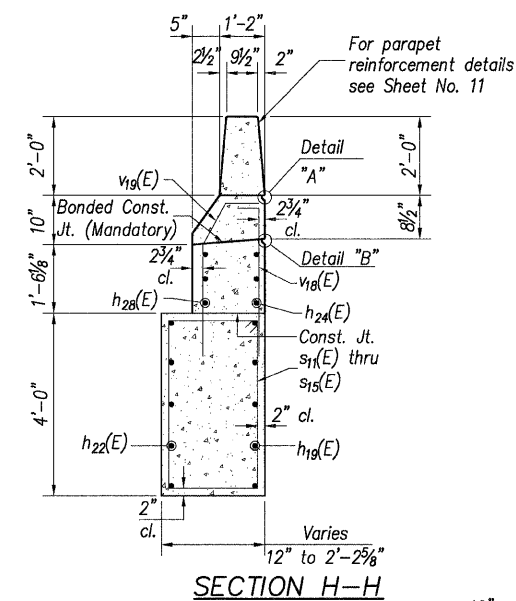
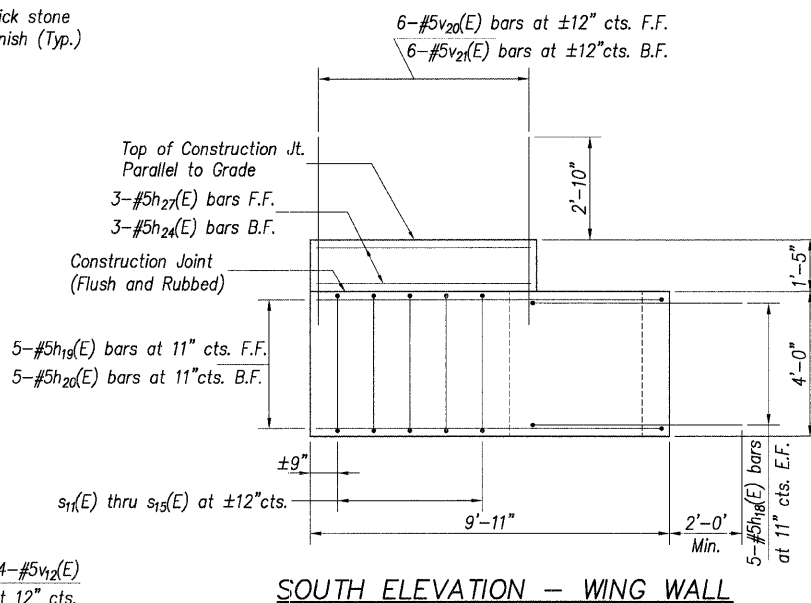
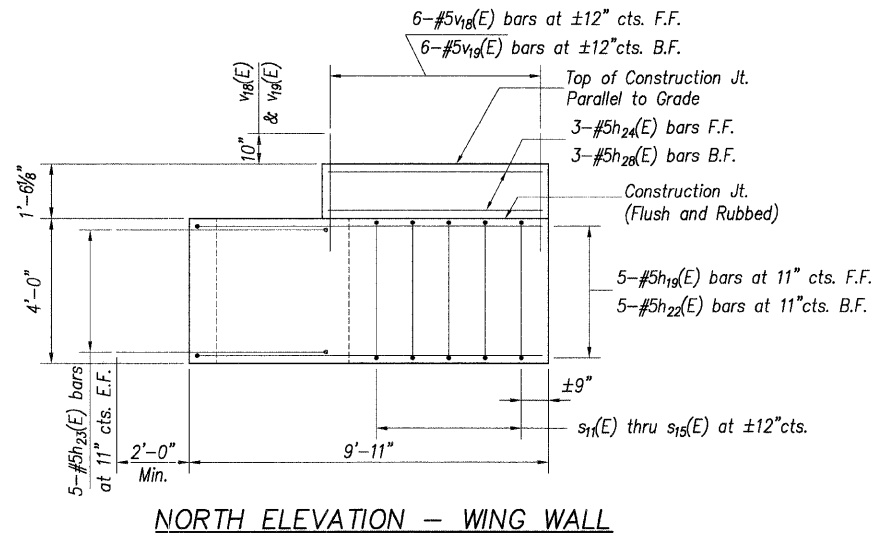
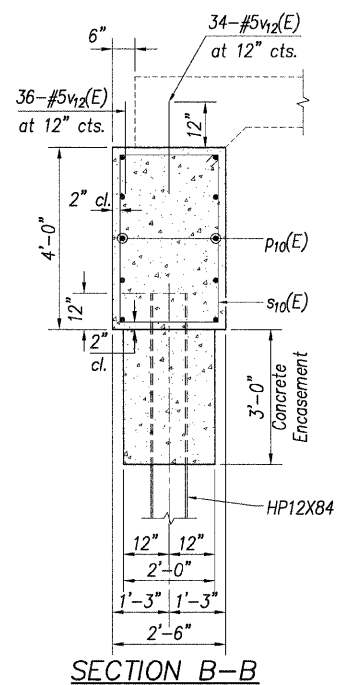
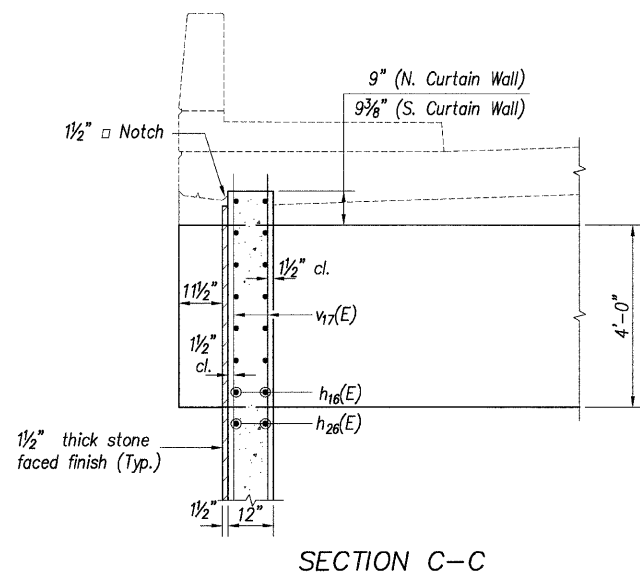
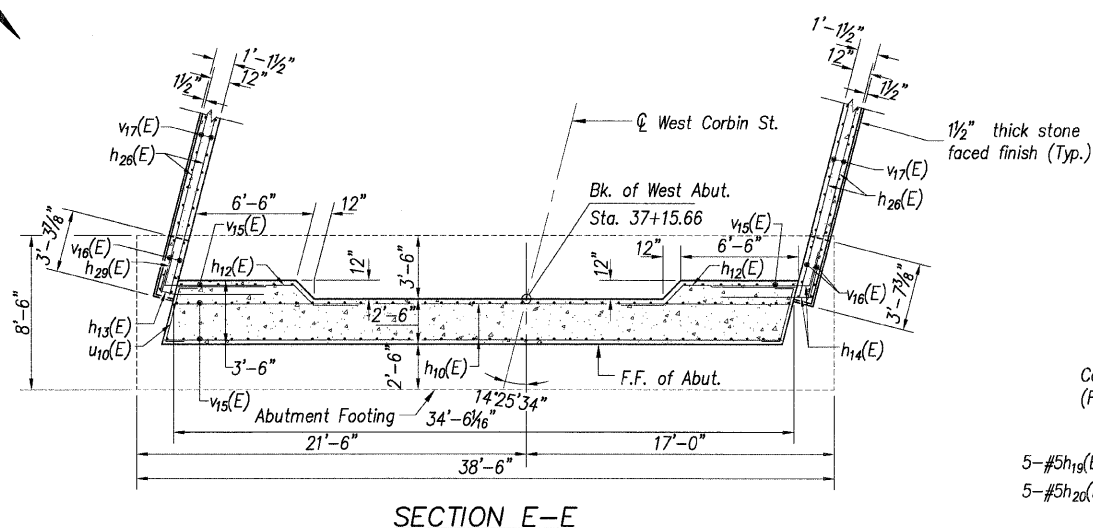
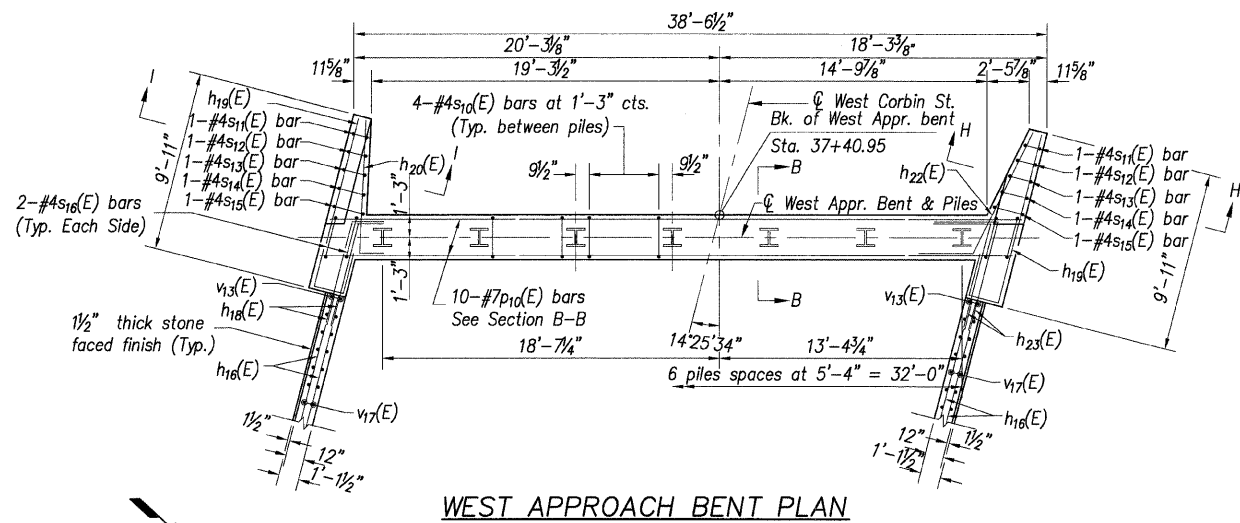
Hoelscher Engineering, P.C.

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
BEARING DETAILS
WEST CORBIN STREET OVER F.A.P. 310 (I-255)
F.A.U. 8959 SECTION 05-00016-03-BR
MADISON COUNTY
STATION 36+23.37
STRUCTURE NO. 060-6851

Contract # 97351



NOTES

1. F.F. denotes Front Face
B.F. denotes Back Face
E.F. denotes Each Face
2. For Bill of Material see Sheet No. 23.
3. For location of Sections C-C and E-E see Sheet No. 17.
4. For abutment plan and elevation see Sheet No. 17.
5. For additional wing wall details see Sheet No. 18.
6. For details "A" and "B" see Sheet No. 11.
7. Reinforcement bars designated (E) shall be epoxy coated.
8. For stone faced finish details see Special Provisions.
9. For pile details see Sheet No. 25.

DESIGNED	T.M.M.
CHECKED	C.M.W.
DRAWN	B.D.M./S.H.K.
CHECKED	C.M.W.



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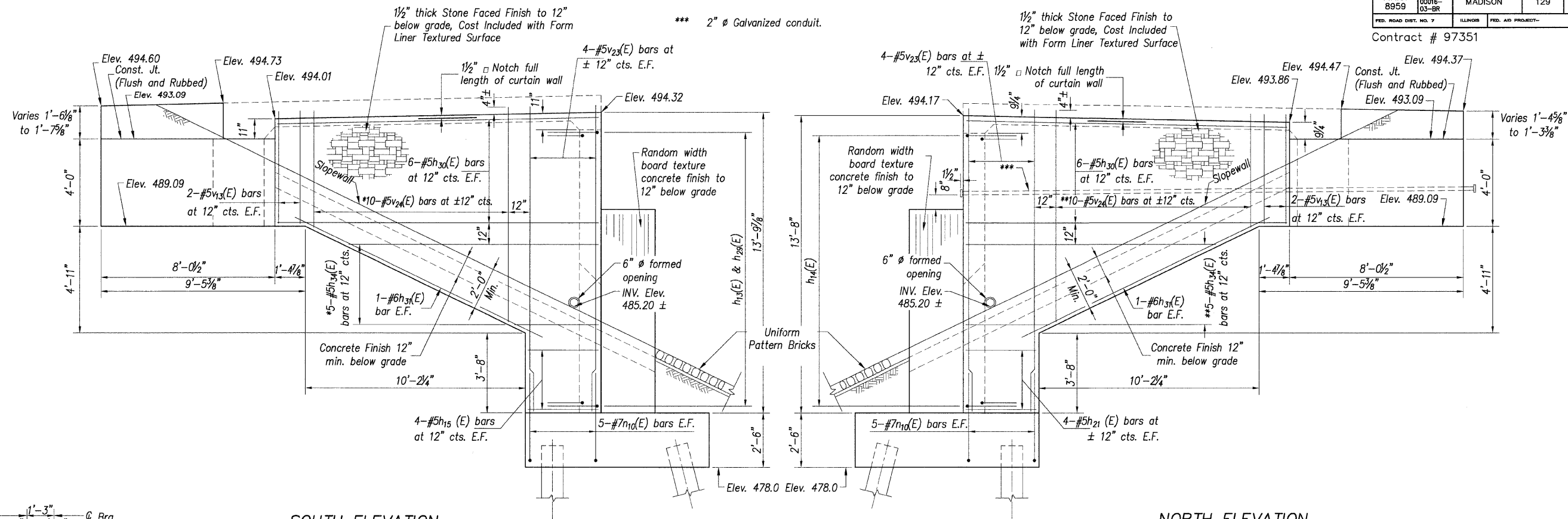
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
WEST ABUTMENT DETAILS
WEST CORBIN STREET OVER F.A.P. 310 (IL-255)
F.A.U. 8959 SECTION 05-00016-03-BR
MADISON COUNTY
STATION 36+23.37
STRUCTURE NO. 060-6851

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 8959	05-00016-03-BR	MADISON	129	72
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 21
30 SHEETS

Contract # 97351

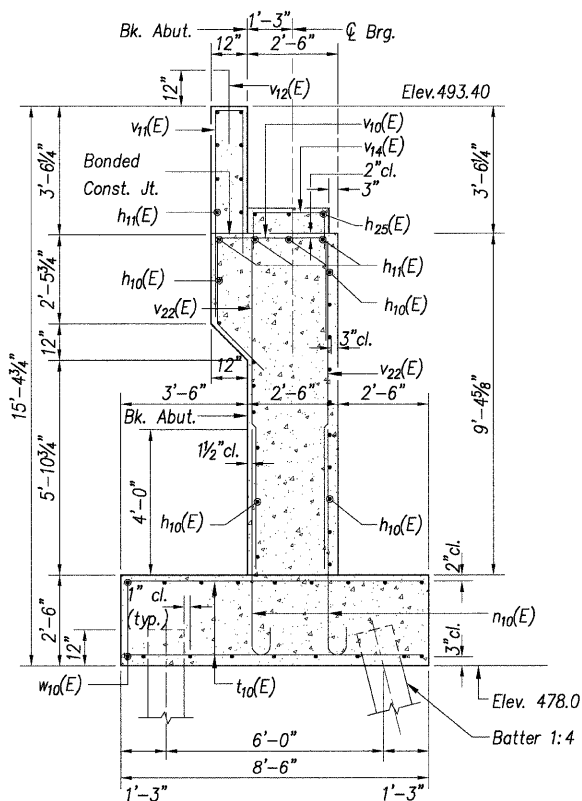


SOUTH ELEVATION

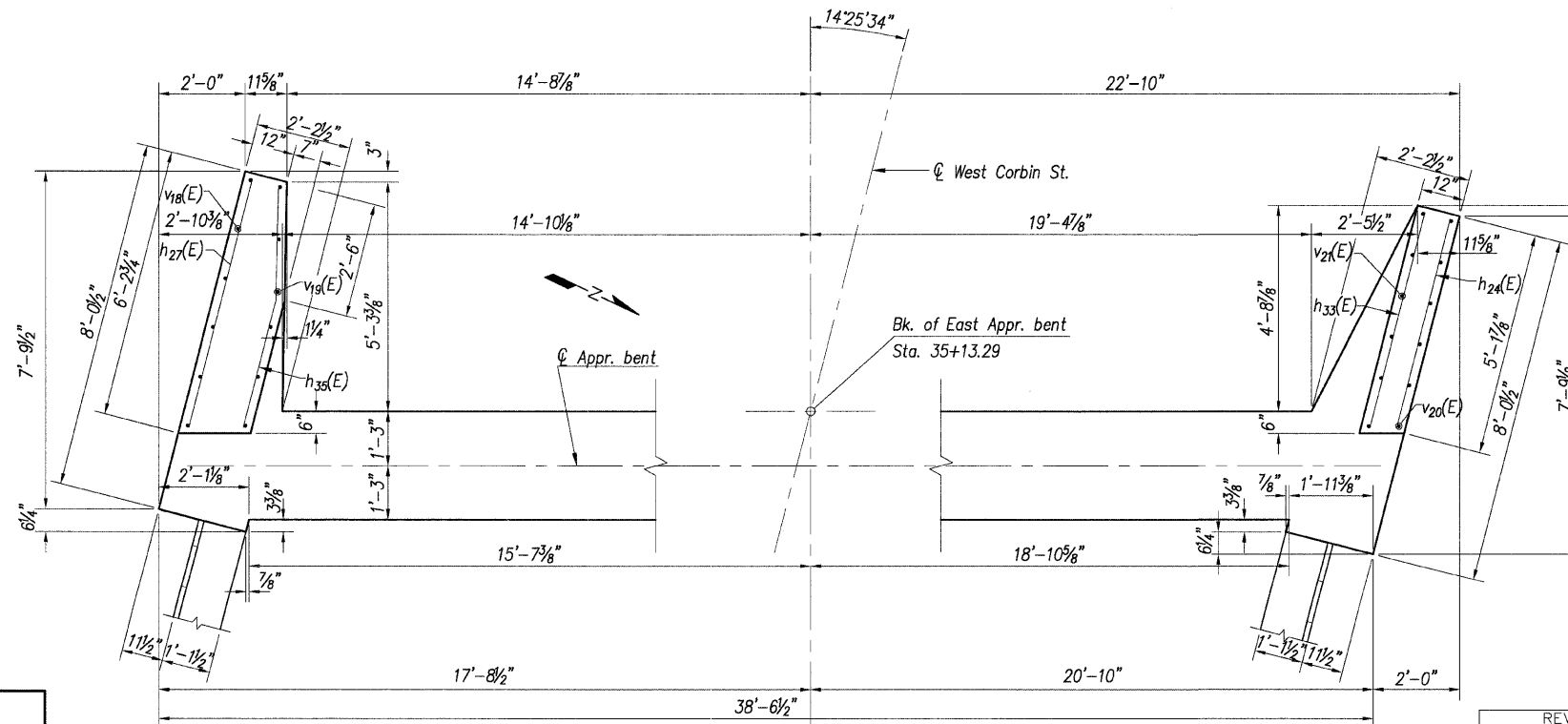
* Order $h_{34}(E)$ & $v_{24}(E)$ bars full length. Cut to fit as shown on field cutting diagram Sheet No. 23, and use remainder of bars in other face.

NORTH ELEVATION

** Order $h_{34}(E)$ & $v_{24}(E)$ bars full length. Cut to fit as shown on field cutting diagram Sheet No. 23, and use remainder of bars in other face.



SECTION A-A



WING WALL DETAILS

NOTES

1. For abutment plan and elevation see Sheet 18.
2. F.F. denotes Front Face
B.F. denotes Back Face
E.F. denotes Each Face
3. For Bill of Material see Sheet No. 23.
4. For location of Section A-A see Sheet No. 20.
5. Reinforcement bars designated (E) shall be epoxy coated.
6. For random width board texture and stone faced finish details see Special Provisions.

DESIGNED	T.M.M.
CHECKED	C.M.W.
DRAWN	B.D.M./S.H.K.
CHECKED	C.M.W.



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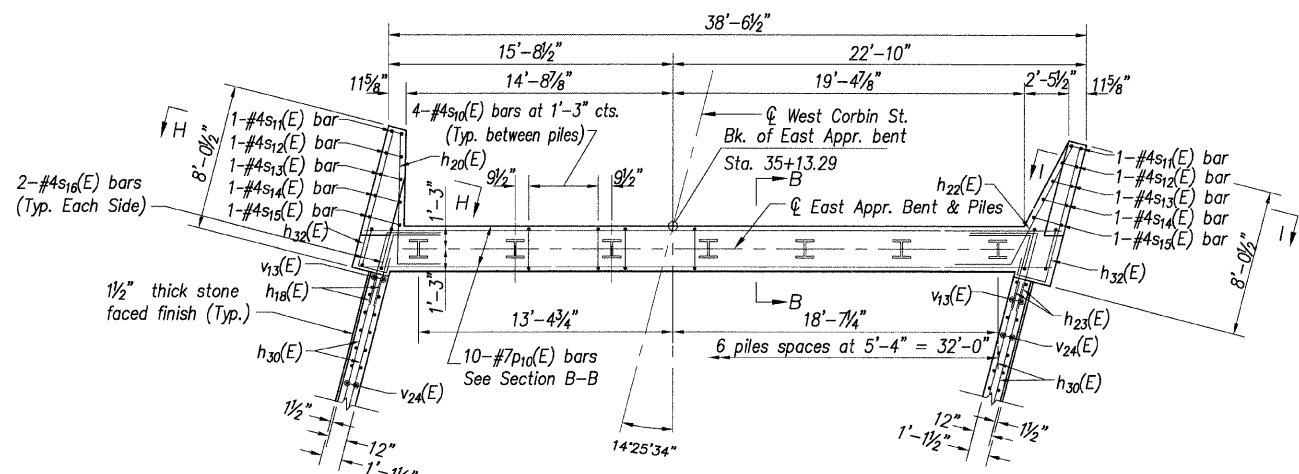
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EAST ABUTMENT DETAILS
WEST CORBIN STREET OVER F.A.P. 310 (L-255)
F.A.U. 8959 SECTION 05-00016-03-BR
MADISON COUNTY
STATION 36+23.37
STRUCTURE NO. 060-6851

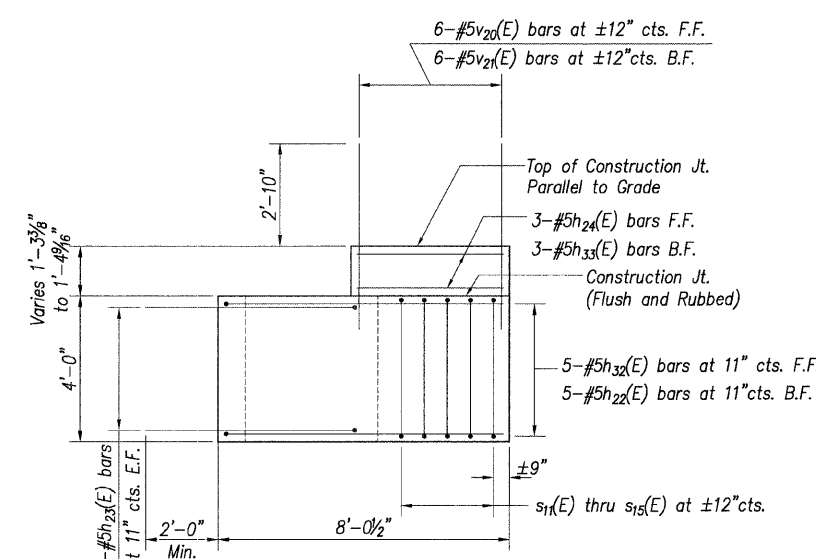
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FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 22
30 SHEETS

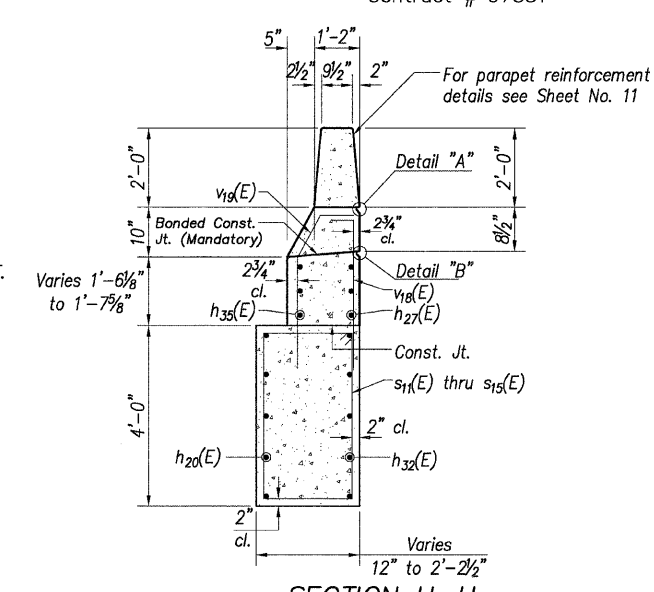
Contract # 97351



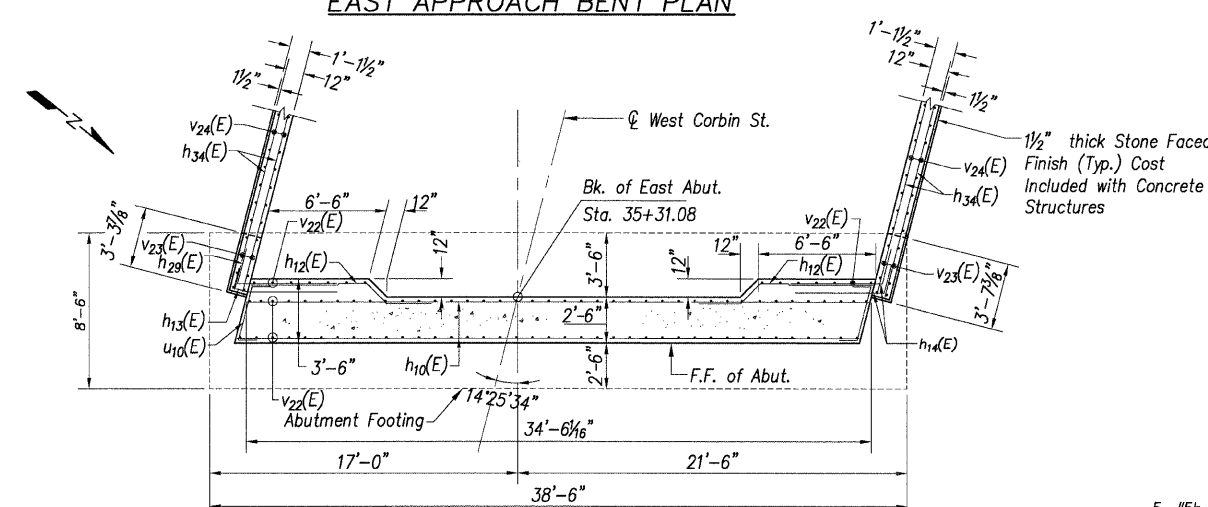
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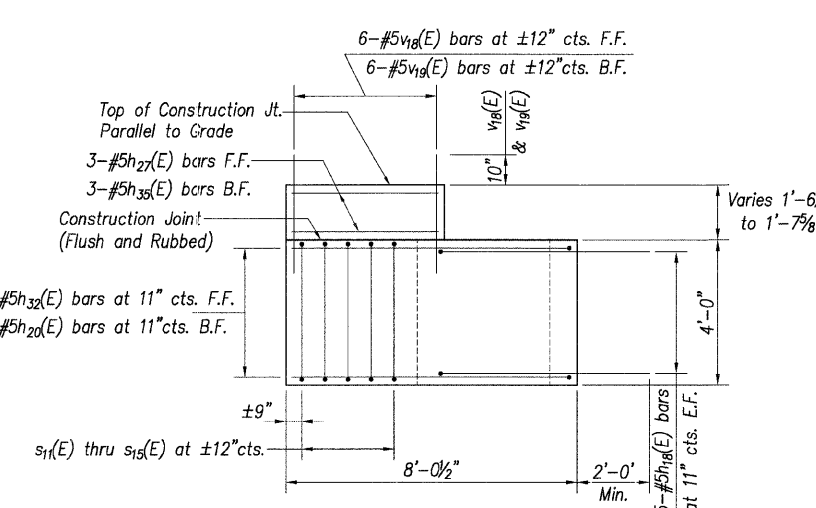
NORTH ELEVATION - WING WALL



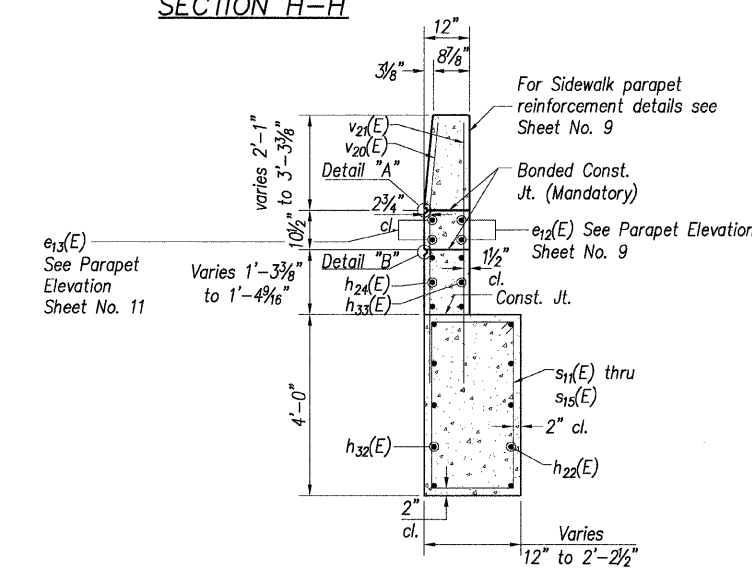
SECTION H-H



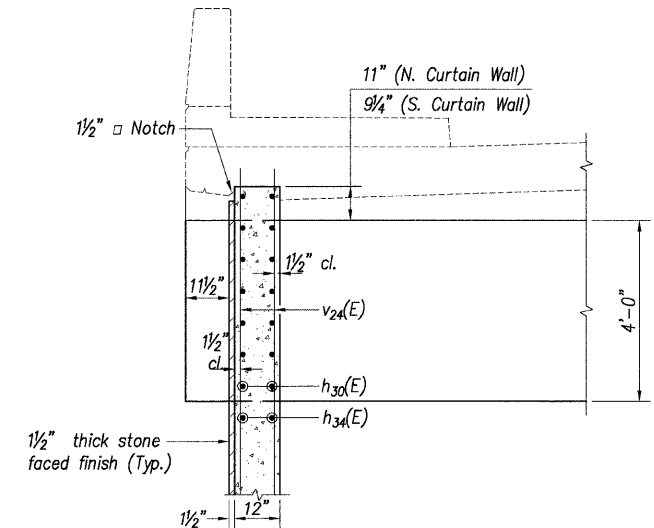
SECTION E-E



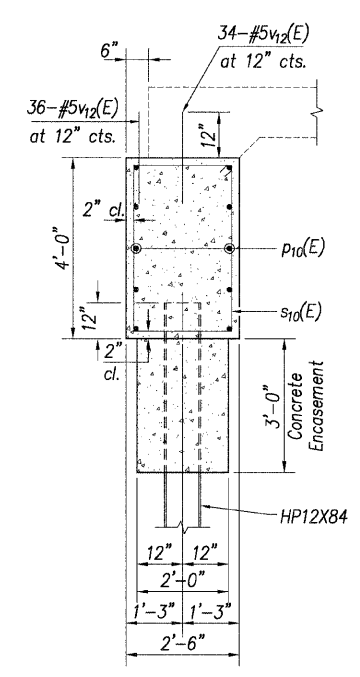
SOUTH ELEVATION - WING WALL



SECTION I-I



SECTION C-C



SECTION B-B

- NOTES**
1. F.F. denotes Front Face
B.F. denotes Back Face
E.F. denotes Each Face
 2. For Bill of Material see Sheet No. 23.
 3. For location of Sections C-C and E-E see Sheet No. 20.
 4. For abutment plan and elevation see Sheet No. 20.
 5. For additional wing wall details see Sheet No. 21.
 6. For details "A" and "B" see Sheet No. 11.
 7. Reinforcement bars designated (E) shall be epoxy coated.
 8. For stone faced finish details see Special Provisions.
 9. For pile details see Sheet No. 25.

DESIGNED	T.M.M.
CHECKED	C.M.W.
DRAWN	B.D.M./S.H.K.
CHECKED	C.M.W.

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REVISIONS	
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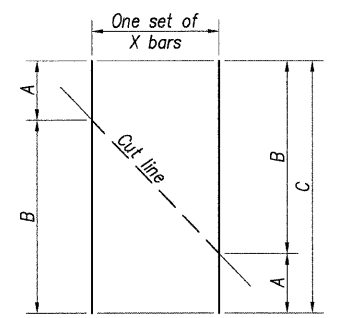
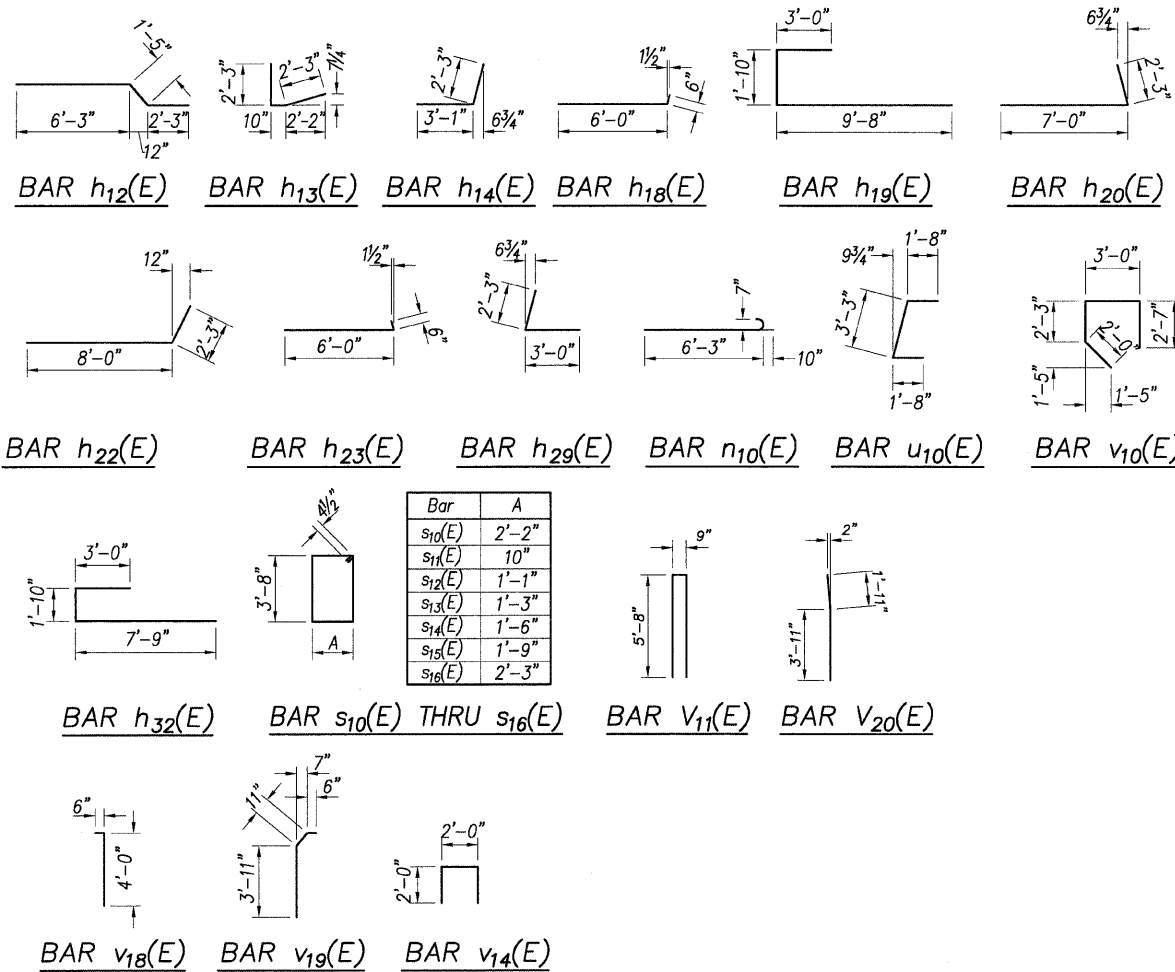
ILLINOIS DEPARTMENT OF TRANSPORTATION
EAST ABUTMENT DETAILS
WEST CORBIN STREET OVER F.A.P. 310 (IL-255)
F.A.U. 8959 SECTION 05-00016-03-BR
MADISON COUNTY
STATION 36+23.37
STRUCTURE NO. 060-6851

EAST ABUTMENT BILL OF MATERIAL

WEST ABUTMENT BILL OF MATERIAL

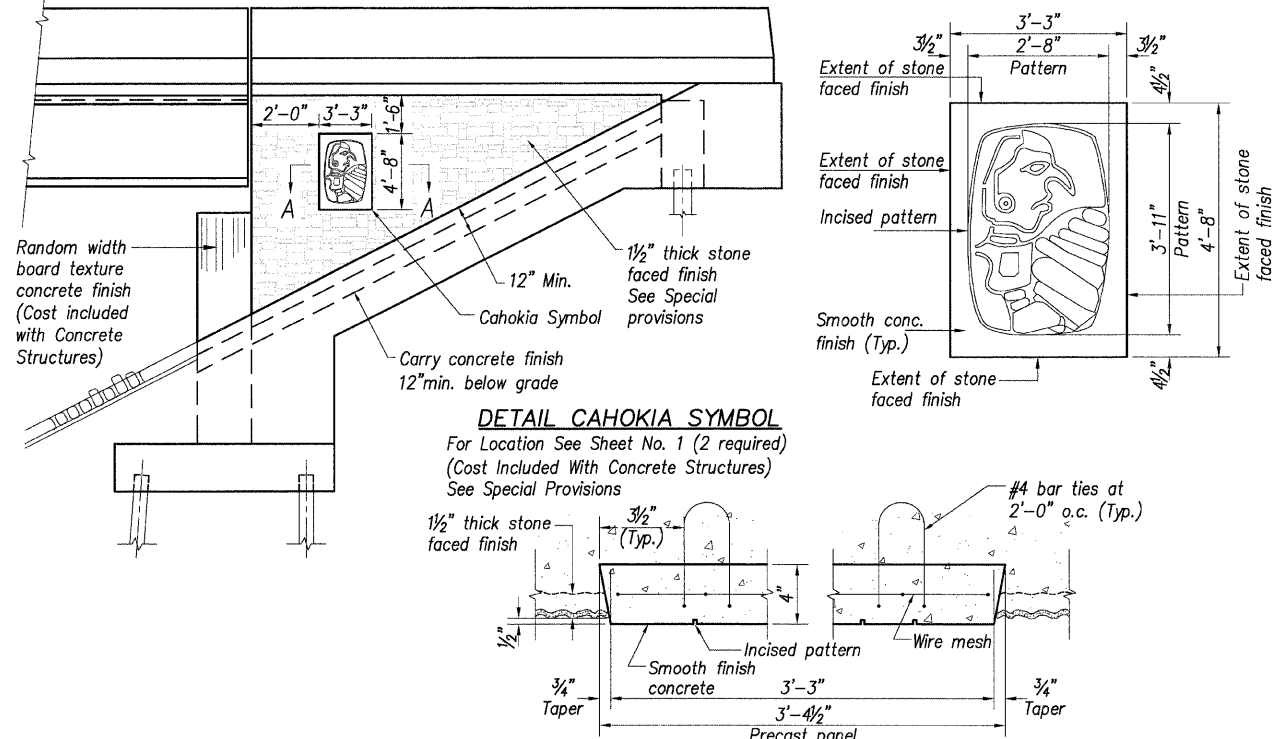
Bar	No.	Size	Length	Shape
h10(E)	20	#6	34'-3"	—
h11(E)	12	#5	34'-3"	—
h12(E)	14	#5	9'-11"	—
h13(E)	14	#5	5'-4"	—
h14(E)	28	#5	5'-4"	—
h15(E)	8	#5	3'-0"	—
h18(E)	10	#5	6'-6"	—
h20(E)	5	#5	6'-9"	—
h21(E)	8	#5	3'-4"	—
h22(E)	5	#5	10'-3"	—
h23(E)	10	#5	6'-6"	—
h24(E)	3	#5	5'-9"	—
h25(E)	3	#5	30'-2"	—
h27(E)	3	#5	5'-11"	—
h28(E)	14	#5	5'-3"	—
h30(E)	24	#5	14'-8"	—
h31(E)	4	#6	13'-4"	—
h32(E)	10	#5	12'-7"	—
h33(E)	3	#5	5'-2"	—
h34(E)	10	#5	14'-2"	—
h35(E)	3	#5	5'-8"	—
n10(E)	98	#7	7'-1"	—
p10(E)	10	#7	38'-3"	—
s10(E)	24	#4	12'-5"	—
s11(E)	2	#4	9'-9"	—
s12(E)	2	#4	10'-3"	—
s13(E)	2	#4	10'-7"	—
s14(E)	2	#4	11'-1"	—
s15(E)	2	#4	11'-7"	—
s16(E)	4	#4	12'-7"	—
t10(E)	93	#6	8'-3"	—
u10(E)	20	#5	6'-7"	—
v10(E)	35	#6	9'-10"	—
v11(E)	35	#5	12'-1"	—
v12(E)	105	#5	2'-3"	—
v13(E)	4	#5	5'-1"	—
v14(E)	35	#5	6'-0"	—
v15(E)	98	#7	12'-0"	—
v16(E)	16	#5	17'-0"	—
v17(E)	34	#5	17'-8"	—
v18(E)	6	#5	4'-6"	—
v19(E)	6	#5	5'-4"	—
v20(E)	6	#5	5'-11"	—
v22(E)	98	#7	9'-1"	—
v23(E)	16	#5	14'-0"	—
v24(E)	20	#5	14'-2"	—
w10(E)	18	#5	8'-3"	—
Concrete Structures		Cu. Yd.	100.6	
Structure Excavation		Cu. Yd.	420	
Reinforcement Bars, Epoxy Coated		Pound	10,879	
Test Pile Steel HP12x74		Each	1	
Test Pile Steel HP12x84		Each	1	
Furnishing Steel Piles HP12x74		Foot	1007	
Furnishing Steel Piles HP12x84		Foot	384	
Driving Piles		Foot	1391	
Form Liner Texturized Surface		Sq. Ft.	356	
Concrete Encasement		Cu. Yd.	2.5	

Bar	No.	Size	Length	Shape
h10(E)	26	#6	34'-3"	—
h11(E)	12	#5	34'-3"	—
h12(E)	22	#5	9'-11"	—
h13(E)	17	#5	5'-4"	—
h14(E)	34	#5	5'-4"	—
h15(E)	8	#5	3'-0"	—
h18(E)	24	#5	20'-4"	—
h17(E)	4	#6	20'-9"	—
h18(E)	10	#5	6'-6"	—
h19(E)	10	#5	14'-6"	—
h20(E)	5	#5	6'-9"	—
h21(E)	8	#5	3'-4"	—
h22(E)	5	#5	10'-3"	—
h23(E)	10	#5	6'-6"	—
h24(E)	6	#5	5'-9"	—
h25(E)	3	#5	30'-2"	—
h26(E)	14	#5	19'-4"	—
h27(E)	3	#5	5'-11"	—
h28(E)	3	#5	5'-2"	—
h29(E)	17	#5	5'-3"	—
n10(E)	98	#7	7'-1"	—
p10(E)	10	#7	38'-3"	—
s10(E)	24	#4	12'-5"	—
s11(E)	2	#4	9'-9"	—
s12(E)	2	#4	10'-3"	—
s13(E)	2	#4	10'-7"	—
s14(E)	2	#4	11'-1"	—
s15(E)	2	#4	11'-7"	—
s16(E)	4	#4	12'-7"	—
t10(E)	93	#6	8'-3"	—
u10(E)	28	#5	6'-7"	—
v10(E)	35	#6	9'-10"	—
v11(E)	35	#5	12'-1"	—
v12(E)	105	#5	2'-3"	—
v13(E)	4	#5	5'-1"	—
v14(E)	35	#5	6'-0"	—
v15(E)	98	#7	12'-0"	—
v16(E)	16	#5	17'-0"	—
v17(E)	34	#5	17'-8"	—
v18(E)	6	#5	4'-6"	—
v19(E)	6	#5	5'-4"	—
v20(E)	6	#5	5'-11"	—
v21(E)	6	#5	5'-11"	—
w10(E)	18	#5	8'-3"	—
Concrete Structures		Cu. Yd.	118.5	
Structure Excavation		Cu. Yd.	559	
Reinforcement Bars, Epoxy Coated		Pound	12,470	
Test Pile Steel HP12x74		Each	1	
Test Pile Steel HP12x84		Each	1	
Furnishing Steel Piles HP12x74		Foot	931	
Furnishing Steel Piles HP12x84		Foot	384	
Driving Piles		Foot	1315	
Form Liner Texturized Surface		Sq. Ft.	474	
Concrete Encasement		Cu. Yd.	2.5	



FIELD CUTTING DIAGRAM
Order bars full length. Cut to fit as shown and use remainder of bars in other face. See Sheet Nos. 16 and 19.

Bar	A	B	C	X
h26(E)	4'-7"	14'-9"	19'-4"	7
h34(E)	3'-0"	11'-2"	14'-2"	5
v17(E)	5'-0"	12'-8"	17'-8"	17
v24(E)	5'-3"	8'-11"	14'-2"	10



DETAIL CAHOKIA SYMBOL
For Location See Sheet No. 1 (2 required)
(Cost Included With Concrete Structures)
See Special Provisions

SECTION A-A

DESIGNED	T.M.M.
CHECKED	C.M.W.
DRAWN	B.D.M./S.H.K.
CHECKED	C.M.W.

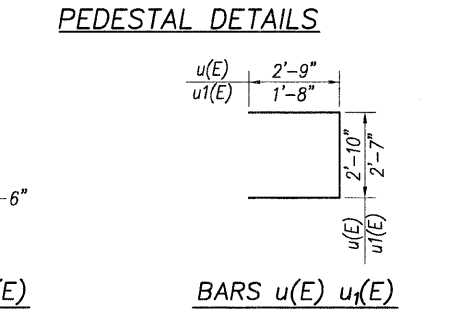
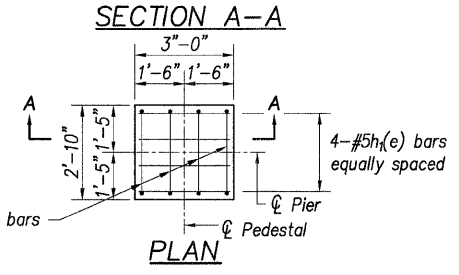
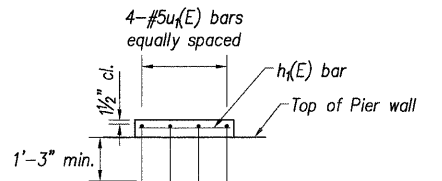
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Fairview Heights, Illinois 62208
(618)624-8610 FAX: (618)624-8611

- NOTES**
1. Reinforcement bars designated (E) shall be epoxy coated.
 2. For West Abutment plan and details see Sheet Nos. 17, 18 and 19.
 3. For East Abutment plan and details see Sheet Nos. 20, 21 and 22.
 4. For Cahokia symbol details see Special Provisions.
 5. For random width board texture and stone faced details See Special Provisions.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
ABUTMENT DETAILS - BILL OF MATERIAL
WEST CORBIN STREET OVER F.A.P. 310 (IL-255)
F.A.U. 8959 SECTION 05-00016-03-BR
MADISON COUNTY
STATION 36+23.37
STRUCTURE NO. 060-6851

Contract # 97351

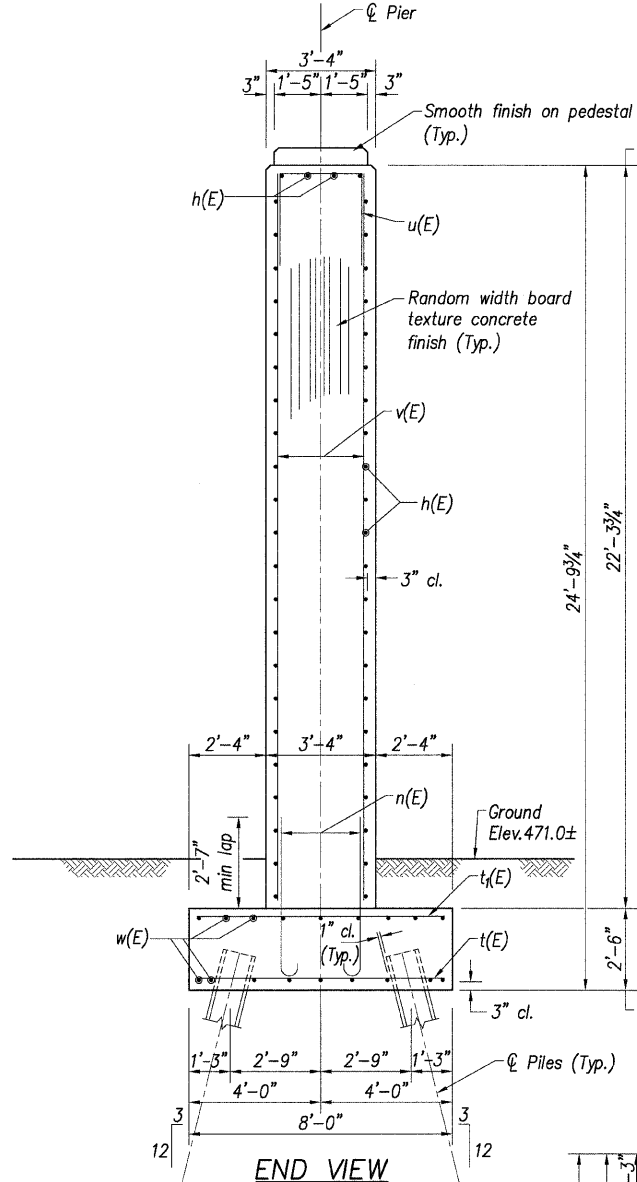
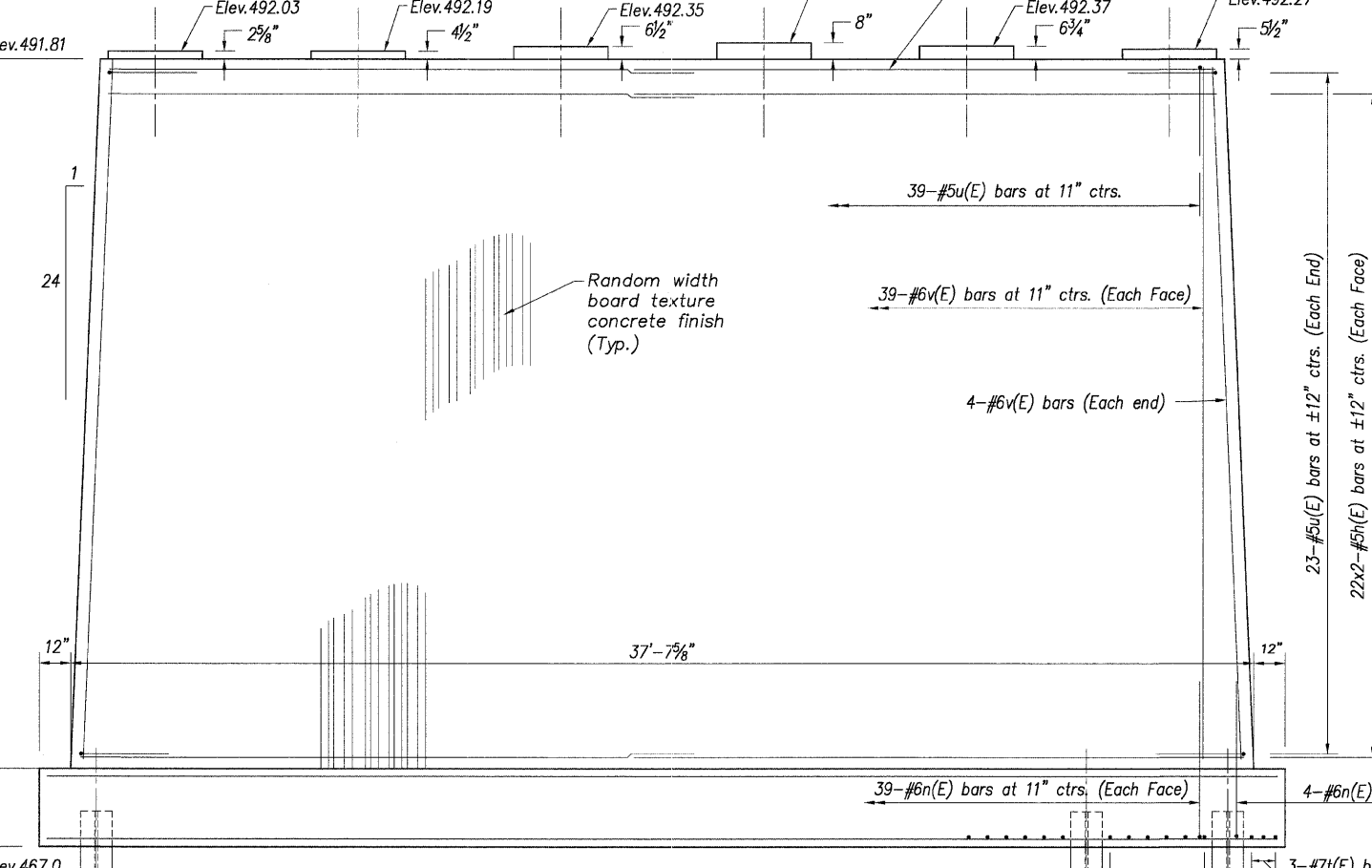
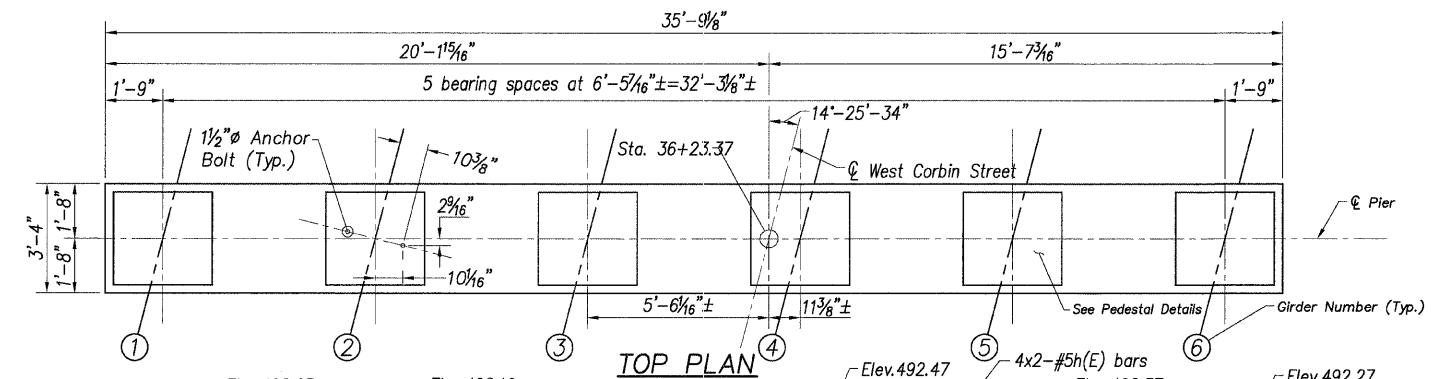


BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	52	#5	19'-9"	—
h1(E)	24	#5	2'-9"	—
n(E)	86	#6	5'-6"	⌋
t(E)	54	#7	7'-6"	—
t1(E)	40	#5	7'-6"	—
u(E)	85	#5	8'-4"	□
u1(E)	24	#5	5'-11"	□
v(E)	86	#6	22'-2"	—
w(E)	18	#5	39'-1"	—
Concrete Structures			Cu. Yd.	131.1
Structure Excavation			Cu. Yd.	78
Reinforcement Bars, Epoxy Coated			Pound	7,475
Test Pile Steel HP12x53			Each	1
Furnishing Steel Piles HP12x53			Foot	646
Driving Piles			Foot	646
Form Liner Textured Surface			Sq. Ft.	1826

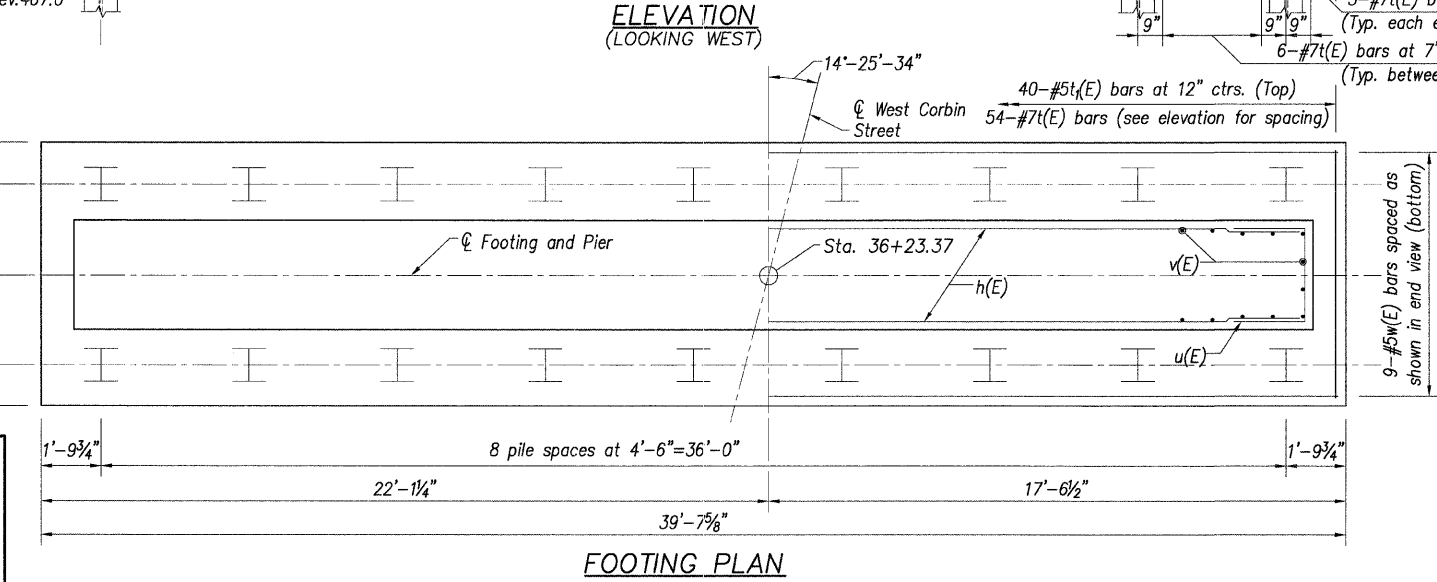
Notes

- 1) Space reinforcement in top of pier to miss anchor bolts.
- 2) For details of piles see sheet 25 of 30.
- 3) Reinforcement bars designated (E) shall be epoxy coated.
- 4) Bars indicated thus 4x2-#5 etc. indicates 4 lines of bars with 2 lengths per line.
- 5) For random width board texture concrete finish details see special provisions.



PILE DATA

Type : Steel HP12x53
Nominal Required Bearing: 418 kips
Allowable Resistance Available: 139 kips
Estimated Length : 38 ft
No. Production Piles : 17
No. Test Piles : 1



Minimum Bar Laps
#5 bars = 2'-3"

DESIGNED	T.M.M.
CHECKED	C.M.W.
DRAWN	B.D.M./S.H.K.
CHECKED	C.M.W.

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PIER DETAILS
WEST CORBIN STREET OVER F.A.P. 310 (IL-255)
F.A.U. 8959 SECTION 05-00016-03-BR
MADISON COUNTY
STATION 36+23.37
STRUCTURE NO. 060-6851

Contract # 97351



Illinois Department of Transportation
Division of Highway
Shirley Geotechnical, Inc.

SOIL BORING LOG

Page 2 of 2

Date 1/24/06

ROUTE FAU 8959 DESCRIPTION W. Corbin Street Extension Over IL-255 LOGGED BY May/Gelb
SECTION 05-00016-02-RB LOCATION SE 1/4, SEC. 2, TWP. 5N, RNG. 9W
COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.	STATION	DEPTH (ft)	BULGE (/6")	UCS (tsf)	MOISTURE (%)	DESCRIPTION	SURFACE WATER ELEV. (ft)	STREAM BED ELEV. (ft)	GROUNDWATER ELEV. (ft)	FIRST ENCOUNTER (ft)	UPON COMPLETION (ft)	AFTER 1 DAY (ft)
						Interlayered Dark Olive-Gray Sandy SHALE & SILTSTONE (continued)						
		15	50/5"	2.9	12.6	Gray & Dark Brown 42.5 to 47.5 Feet						
		45		S								
		423.52				Dark Olive-Gray SHALE						
		50	50/5"		11.3							
		417.12	50/5"		5.7	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 T206) BBS, from 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highway
Shirley Geotechnical, Inc.

SOIL BORING LOG

Page 1 of 2

Date 1/24/06

ROUTE FAU 8959 DESCRIPTION W. Corbin Street Extension Over IL-255 LOGGED BY May/Gelb
SECTION 05-00016-02-RB LOCATION SE 1/4, SEC. 2, TWP. 5N, RNG. 9W
COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.	STATION	DEPTH (ft)	BULGE (/6")	UCS (tsf)	MOISTURE (%)	DESCRIPTION	SURFACE WATER ELEV. (ft)	STREAM BED ELEV. (ft)	GROUNDWATER ELEV. (ft)	FIRST ENCOUNTER (ft)	UPON COMPLETION (ft)	AFTER 1 DAY (ft)
						Brown SILTY CLAY LOAM, Trace Gravel, FILL						
		467.69			13.5	Dark Brown SILTY CLAY LOAM, Trace Gravel, FILL						
		3										
		5		4.9								
		6		B								
		3										
		5		4.3	16.5	Dark Brown SILTY LOAM	445.69					
		8		B		Dark Gray CLAY LOAM	444.69					
		463.94				Gray SILTY CLAY	443.94					
		2				Dark Gray SILTY LOAM						
		5		3.8	19.8	Gray-Brown SILTY CLAY, with Limestone Fragments, Roots, Possible FILL						
		8		B								
		461.44				Gray-Brown SILTY CLAY LOAM, Trace Gravel						
		6										
		10		6.0	13.3	-2 Inch Sandstone Seam at 9.3 Feet						
		11		S		-Hard Drilling 9.0 to 9.5 Feet						
		6										
		9		7.3	15.6	-Trace Sandstone at 12.0 Feet						
		11		B								
		456.44				Gray-Brown SILTY CLAY						
		4										
		6		6.7	17.0	Gray Shaley CLAY, with Thin Sand Seams	436.94					
		11		B								
		3										
		6		5.7	17.1							
		10		B								
		431.94				Interlayered Olive-Gray Sandy SHALE & SILTSTONE						
		5										
		7			15.9							
		10										
		-1-1/2"				Piece of Limestone at 19.5						

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 Highway
Shirley Geotechnical, Inc.

SOIL BORING LOG

Page 2 of 2

Date 1/24/06

ROUTE FAU 8959 DESCRIPTION W. Corbin Street Extension Over IL-255 LOGGED BY May/Gelb
SECTION 05-00016-02-RB LOCATION SE 1/4, SEC. 2, TWP. 5N, RNG. 9W
COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.	STATION	DEPTH (ft)	BULGE (/6")	UCS (tsf)	MOISTURE (%)	DESCRIPTION	SURFACE WATER ELEV. (ft)	STREAM BED ELEV. (ft)	GROUNDWATER ELEV. (ft)	FIRST ENCOUNTER (ft)	UPON COMPLETION (ft)	AFTER 1 DAY (ft)
						Interlayered Olive-Gray Sandy SHALE & SILTSTONE (continued)						
		426.94				Gray SHALE						
		50/5"			8.3							
		420.54	50/5"		7.4	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 T206) BBS, from 137 (Rev. 8-99)

DESIGNED	T.M.M.
CHECKED	C.M.W.
DRAWN	B.D.M./S.H.K.
CHECKED	C.M.W.



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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SOIL BORING LOGS SHEET 2
WEST CORBIN STREET OVER F.A.P. 310 (IL-255)
F.A.U. 8959 SECTION 05-00016-03-BR
MADISON COUNTY
STATION 36+23.37
STRUCTURE NO. 060-6851



SHELBY TUBE TEST RESULTS

Date 1/25/06

ROUTE FAU 8959 DESCRIPTION W. Corbin Street Extension Over IL-255 DRILLED BY Meyer Drilling

SECTION 05-00016-02-RB LOCATION SE 1/4, SEC. 2, TWP. 5N, RNG. 9W

COUNTY Madison SOIL DESCRIPTIONS LOGGED By May/Gelb

BORING NO. 4
 Station 35+35 Ground Surface Elev. +/- 469 ft Tube Length 24 in
 Offset 10.00ft Rt of CL Begin Sampling Depth -3 ft Tube Diameter 3 in

SOIL TYPE, DESCRIPTION AND OBSERVATIONS	DEPTH (ft)	NO	UNIT (%)	W (pcf)	S (tsf)	M (%)	C (tsf)	P (%)	T (deg)
Gray-Brown SILTY CLAY	1	88	129.8	3.8	19.6				
Gray-Brown CLAY	2	92	138.3	4.0	15.8				
Red-Brown CLAY	3	92	133.9	4.0	18.3				

The "Unit Weight" column indicates the "wet" or "moist" unit weight of the sample
 The "Strength" column represents the "unconfined compressive" strength of the sample (AASHTO T 208)
 The "Test Type" indicates if Unconsolidated Undrained (UU) or Consolidated Undrained (CU) test procedures (AASHTO T 296 or T 297) were used

BMPR FORM 1004A (Rev. 8-99)



SHELBY TUBE TEST RESULTS

Date 1/25/06

ROUTE FAU 8959 DESCRIPTION W. Corbin Street Extension Over IL-255 DRILLED BY Meyer Drilling

SECTION 05-00016-02-RB LOCATION SE 1/4, SEC. 2, TWP. 5N, RNG. 9W

COUNTY Madison SOIL DESCRIPTIONS LOGGED By May/Gelb

BORING NO. 4
 Station 35+35 Ground Surface Elev. +/- 469 ft Tube Length 24 in
 Offset 10.00ft Rt of CL Begin Sampling Depth -3 ft Tube Diameter 3 in

SOIL TYPE, DESCRIPTION AND OBSERVATIONS	DEPTH (ft)	NO	UNIT (%)	W (pcf)	S (tsf)	M (%)	C (tsf)	P (%)	T (deg)
Gray-Brown Silty CLAY, Trace Gravel, Coal	4	96	128.7	3.3	19.9				
Dark Gray CLAY, Trace Coal	5	96	127.5	3.0	20.8				
Dark Gray SILTY CLAY LOAM	6	83	129.2	4.5	21.5				

The "Unit Weight" column indicates the "wet" or "moist" unit weight of the sample
 The "Strength" column represents the "unconfined compressive" strength of the sample (AASHTO T 208)
 The "Test Type" indicates if Unconsolidated Undrained (UU) or Consolidated Undrained (CU) test procedures (AASHTO T 296 or T 297) were used

BMPR FORM 1004A (Rev. 8-99)

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 8959	05-00016-03-BR	MADISON	129	80
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

Contract # 97351

SHEET NO. 29
30 SHEETS



SHELBY TUBE TEST RESULTS

Date 1/25/06

ROUTE FAU 8959 DESCRIPTION W. Corbin Street Extension Over IL-255 DRILLED BY Meyer Drilling

SECTION 05-00016-02-RB LOCATION SE 1/4, SEC. 2, TWP. 5N, RNG. 9W

COUNTY Madison SOIL DESCRIPTIONS LOGGED By May/Gelb


BORING NO. 4
 Station 35+35 Ground Surface Elev. +/- 469 ft Tube Length 24 in
 Offset 10.00ft Rt of CL Begin Sampling Depth -3 ft Tube Diameter 3 in

SOIL TYPE, DESCRIPTION AND OBSERVATIONS	DEPTH (ft)	NO	UNIT (%)	W (pcf)	S (tsf)	M (%)	C (tsf)	P (%)	T (deg)
Dark Gray SILTY CLAY	7	88	125.9	1.8	24.0				
Interlayered Olive-Gray SHALE & SILTSTONE	8	42	134.3	4.5	17.8				

The "Unit Weight" column indicates the "wet" or "moist" unit weight of the sample
 The "Strength" column represents the "unconfined compressive" strength of the sample (AASHTO T 208)
 The "Test Type" indicates if Unconsolidated Undrained (UU) or Consolidated Undrained (CU) test procedures (AASHTO T 296 or T 297) were used

BMPR FORM 1004A (Rev. 8-99)

DESIGNED	T.M.M.
CHECKED	C.M.W.
DRAWN	B.D.M./S.H.K.
CHECKED	C.M.W.



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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SOIL BORING LOGS SHEET 4
 WEST CORBIN STREET OVER F.A.P. 310 (IL-255)
 F.A.U. 8959 SECTION 05-00016-03-BR
 MADISON COUNTY
 STATION 36+23.37
 STRUCTURE NO. 060-6851

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Benchmark: BM 81, Pin with Cap, Sta. 46+13.38, 56.75 ft. Left, Elev. 500.46 ft.

Existing Structure: None

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 1 5 SHEETS
F.A.U. 8959	05-00016-03-BR	MADISON	129	82	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

Contract # 97351

GENERAL NOTES

Reinforcement bars shall conform to the requirements of ASTM A 706 GR60. See Special Provisions.

Reinforcement bars designated (E) shall be epoxy coated.

Layout of slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

All exposed concrete corners shall be chamfered 3/4" unless noted otherwise.

For backfilling and embankment, see Standard Specifications.

Bars indicated thus 12x4-#5 etc. Indicates 12 lines of bars with 4 lengths per line.

Precast alternate is not allowed.

TOTAL BILL OF MATERIALS

Stone riprap, Class A5	Sq. Yd.	221
Filter Fabric	Sq. Yd.	251
Reinforcement Bars	Pound	204,384
Reinforcement Bars, Epoxy Coated	Pound	320
Name Plates	Each	1
Concrete Box Culverts	Cu. Yd.	935
Rock Fill - Foundation	Ton	344

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges.

LOADING HS20-44

Allow 50 psf for future wearing surface.

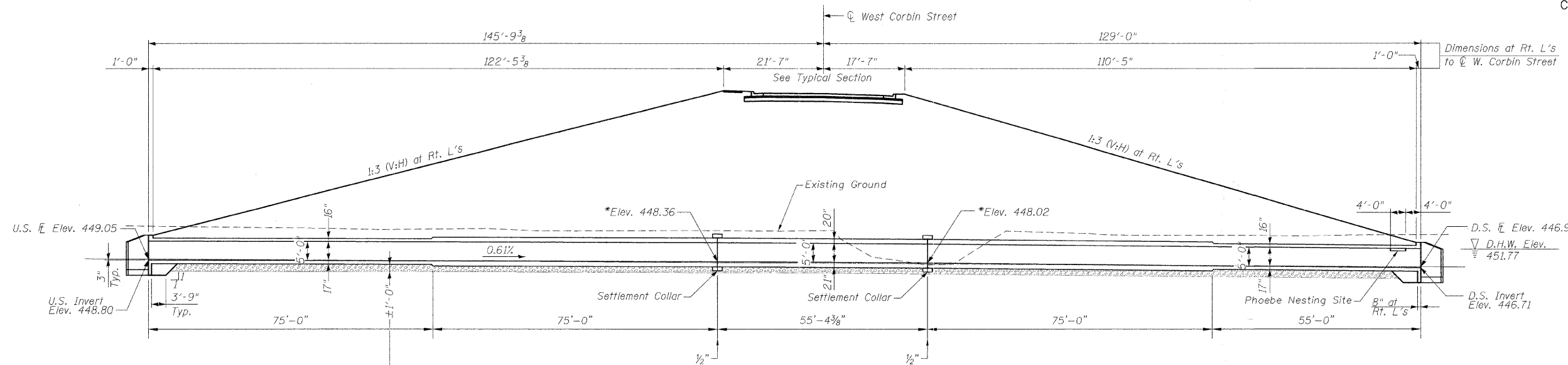
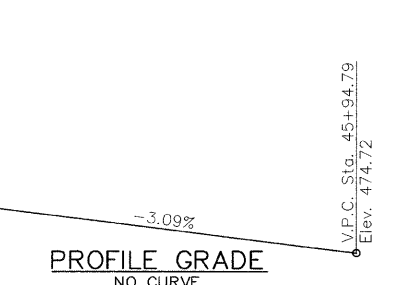
DESIGN STRESSES

Field Units
f'c 3,500 psi (Concrete)
fy 60,000 psi (Reinf.)
Maximum Applied Bearing Pressure = 2,786 psf

STATION 40+21.99
BUILT 20__ BY
VILLAGE OF BETHALTO
F.A.U. 8959 SEC. 05-00016-03-BR
LOADING HS-20-44
STR. NO. 060-6853

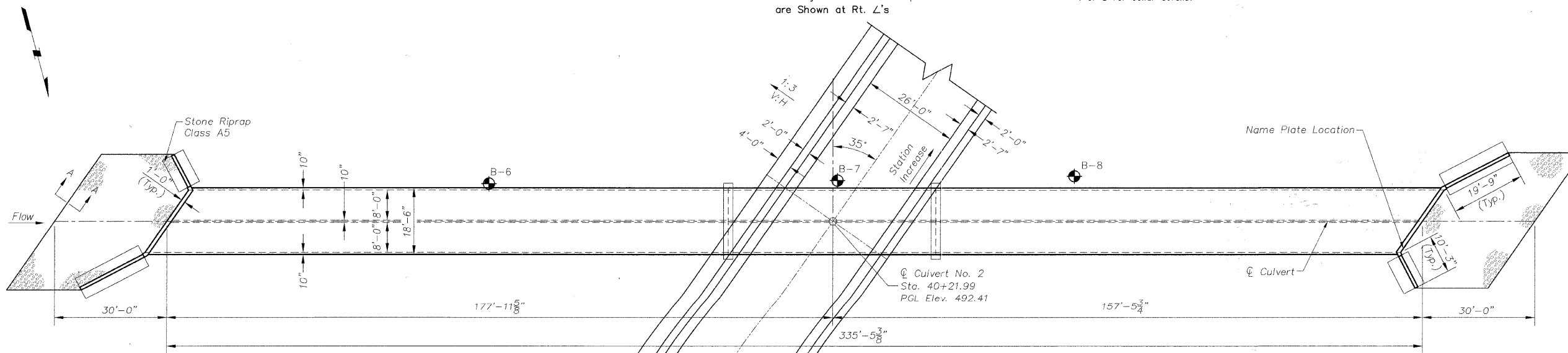
NAME PLATE

Refer to Std. 515001



LONGITUDINAL SECTION
Note: Roadway and Shoulder Slopes are Shown at Rt. L's

*To allow for the anticipated settlement, the culvert is cambered and cast in segments. The individual segments are connected with each other by means of a settlement collar. See Sheet No. 4 of 5 for collar details.



PLAN

INDEX OF SHEETS

1. GENERAL PLAN
2. CULVERT BOTTOM SLAB PLAN
3. CULVERT TOP SLAB PLAN
4. CULVERT SECTIONS AND DETAILS
5. CULVERT DETAILS

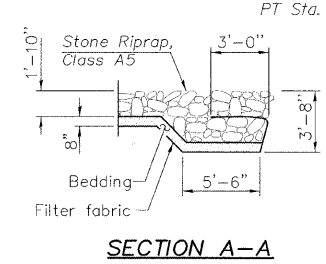
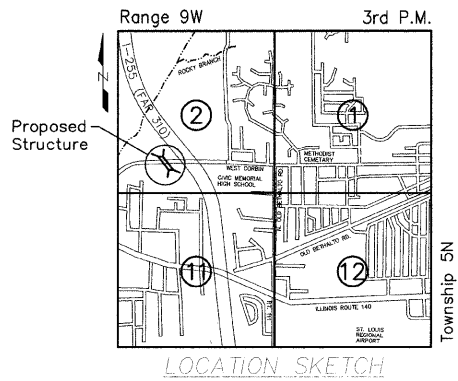
APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Robert C. Watkins
ENGINEER OF BRIDGES AND STRUCTURES

WATERWAY INFORMATION

Drainage Area = 0.63 SQ MI		Low Grade Elev. 458.73 at sta. 52+45.15							
FLOOD	FREQ. YR.	Q C.F.S.	OPENING SQ. FT.		# NAT. H.W.E.	HEAD - FT.		HEADWATER ELEV.	
			EXIST.	PROP.		EXIST.	PROP.	EXIST.	PROP.
Design	100	704	NA	80	457.01	NA	0.44	NA	457.45
Base	10	263	NA	36.3	451.27	NA	0.68	NA	452.25
Overtopping									
Max. calc.									

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

C. Max Wacker 07/29/2008
ILLINOIS STRUCTURAL NO. 5494



SECTION A-A

DESIGNED	C.M.W.
CHECKED	J.S.A.
DRAWN	B.D.M.
CHECKED	C.M.W.

Hoelscher Engineering, P.C.
11 Executive Drive Suite 12
Fairview Heights, Illinois 62208
(618)624-8610 FAX (618)624-8611

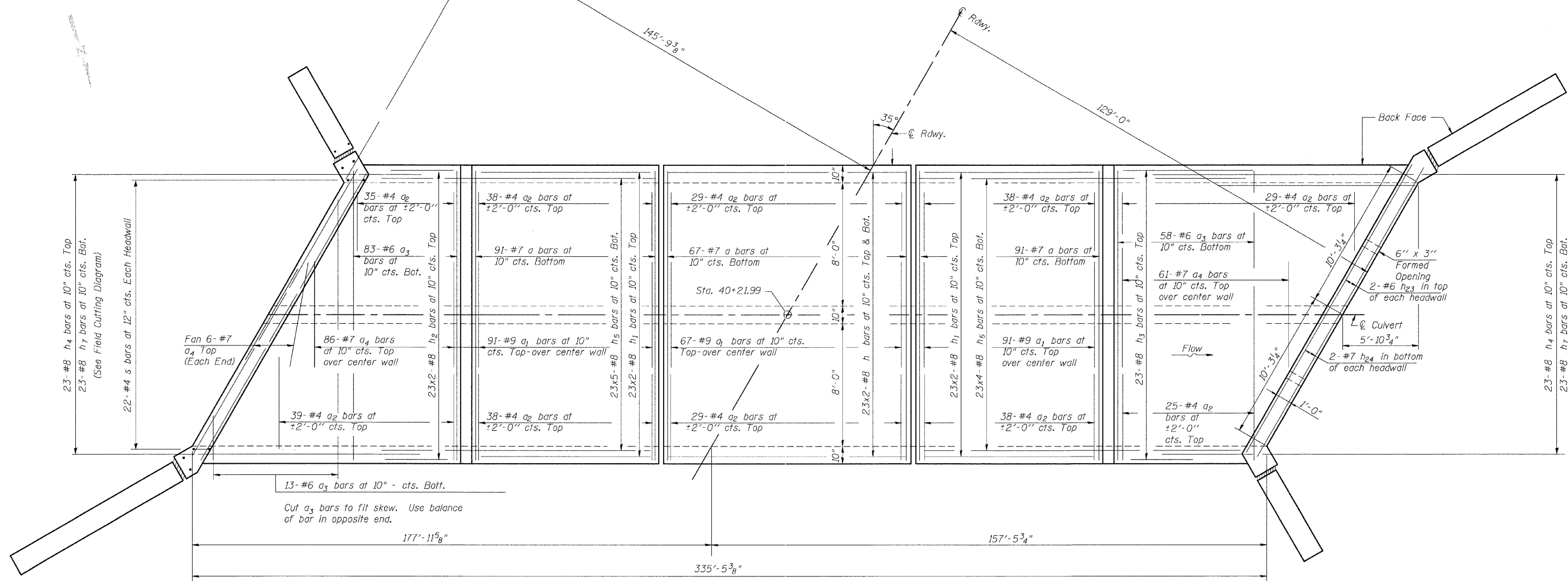
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL PLAN
WEST CORBIN STREET OVER WOOD RIVER TRIBUTARY
F.A.P. 310 SECTION 05-00016-03-BR
MADISON COUNTY
STATION 40+21.99
S.N.060-6853

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO. F.A.U. 8959	SECTION 05- 00016- 03-BR	COUNTY MADISON	SHEET 129	84	SHEET NO. 3 5 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-		

Contract # 97351

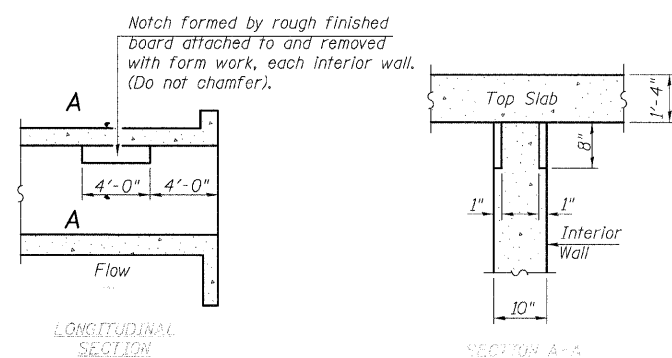


TOP SLAB PLAN

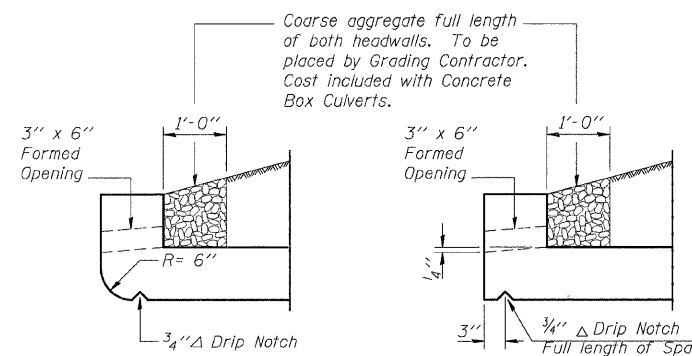
MINIMUM BAR LAP

(Barrel)

#4 bar	= 1'-4"
#5 bar	= 1'-8"
#6 bar	= 2'-0"
#7 bar	= 2'-9"
#8 bar	= 3'-8"
#9 bar	= 4'-7"



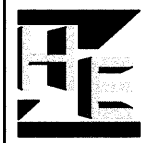
PHOEBE NESTING
SITE DETAILS
(Downstream End Only)



AT UPSTREAM END AT DOWNSTREAM END

DRAIN DETAIL

DESIGNED	C.M.W.
CHECKED	J.S.A.
DRAWN	B.D.M.
CHECKED	C.M.W.

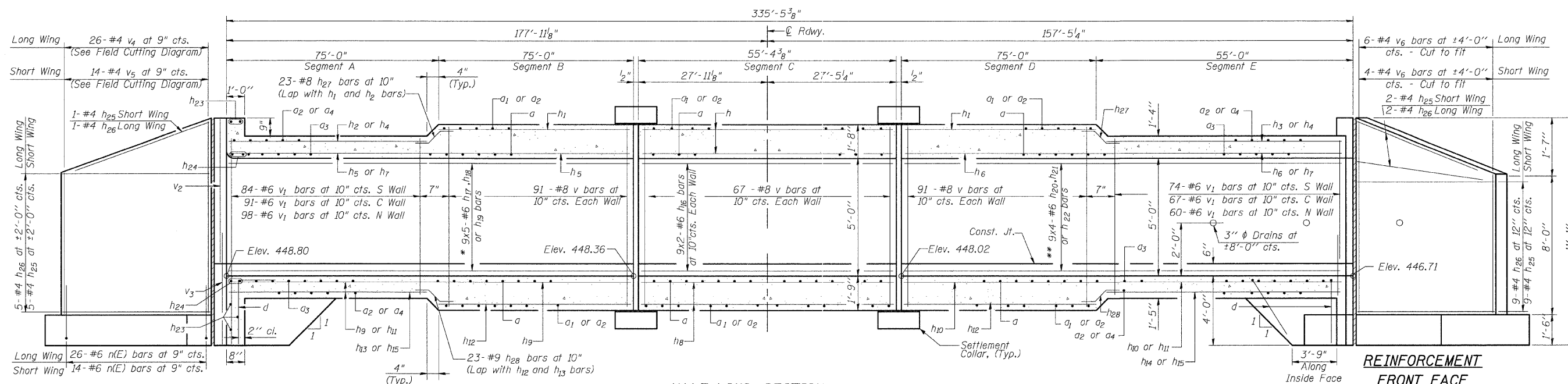


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Fairview Heights, Illinois 62208
(618)624-8610 FAX: (618)624-8611

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CULVERT TOP SLAB PLAN
WEST CORBIN STREET OVER WOOD RIVER TRIBUTARY
F.A.P. 310 SECTION 05-00016-03-BR
MADISON COUNTY
STATION 40+21.99
S.N.060-6853

Contract # 97351



HALF LONG SECTION

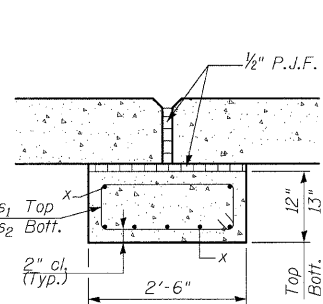
Dimensions are along \bar{C} Culvert

REINFORCEMENT BACK FACE

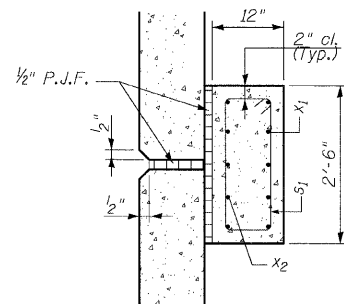
* 9x5-#6 h_{17} bars at 7" cts. S Wall
9x5-#6 h_{18} bars at 7" cts. C Wall
9x5-#6 h_{19} bars at 7" cts. N Wall

Note: S Wall = South Wall
C Wall = Center Wall
N Wall = North Wall

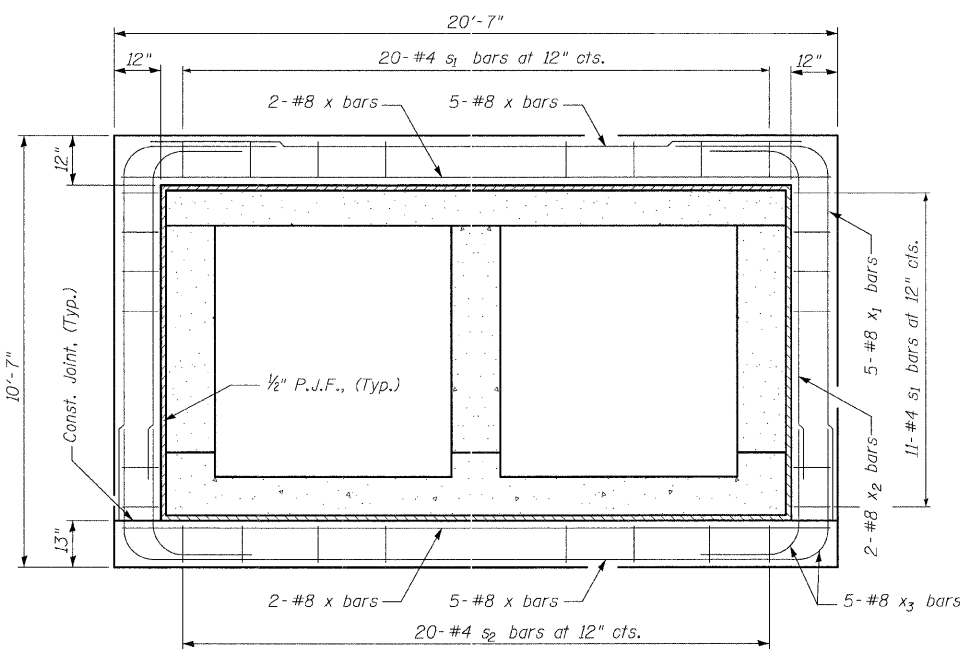
** 9x4-#6 h_{20} bars at 7" cts. S Wall
9x4-#6 h_{21} bars at 7" cts. C Wall
9x4-#6 h_{22} bars at 7" cts. N Wall



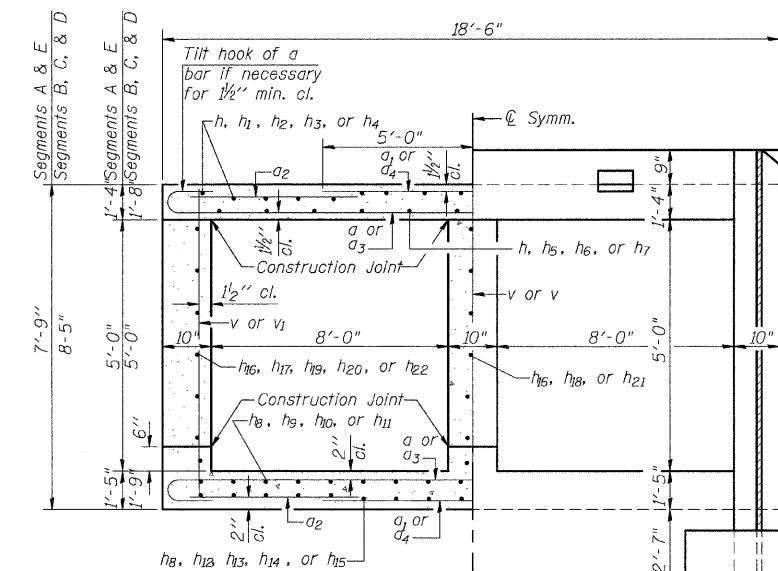
SECTION THROUGH TOP AND BOTTOM SLAB



SECTION THROUGH SIDEWALLS



SECTION THROUGH BOX AT COLLAR



HALF SECTION THRU BARREL

HALF END ELEVATION

SETTLEMENT COLLAR

MINIMUM BAR LAP

(Barrel)

#4 bar	=	1'-4"
#5 bar	=	1'-8"
#6 bar	=	2'-0"
#7 bar	=	2'-9"
#8 bar	=	3'-8"
#9 bar	=	4'-7"

DESIGNED	C.M.W.
CHECKED	J.S.A.
DRAWN	B.D.M.
CHECKED	C.M.W.



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REVISIONS	
NAME	DATE

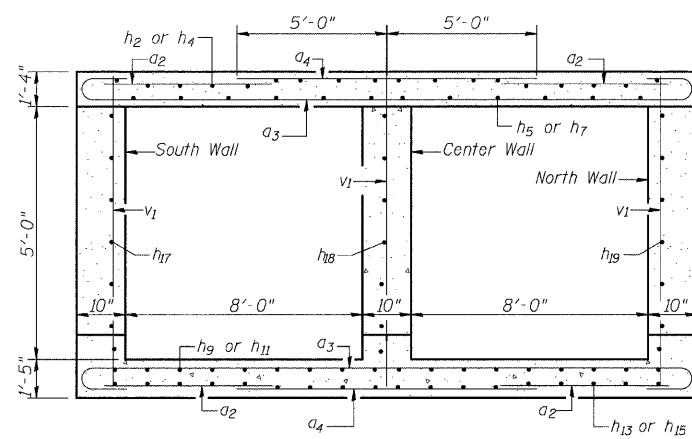
ILLINOIS DEPARTMENT OF TRANSPORTATION
CULVERT SECTIONS AND DETAILS
WEST CORBIN STREET OVER WOOD RIVER TRIBUTARY
F.A.P. 310 SECTION 05-00016-03-BR
MADISON COUNTY
STATION 40+21.99
S.N.060-6853

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

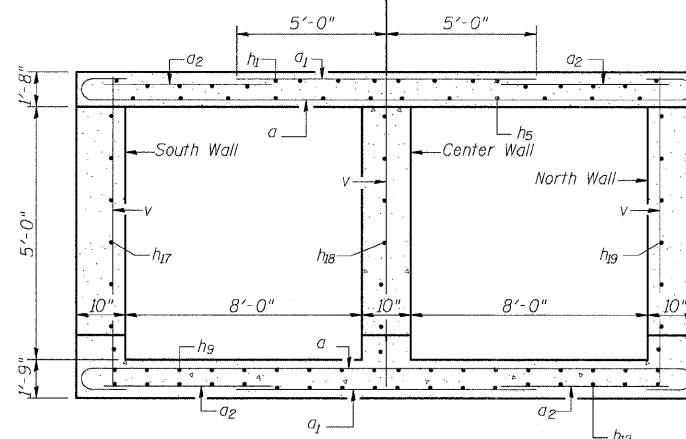
ROUTE NO.	SECTION	COUNTY	STATION	SHEET NO.
F.A.U. 8959	05-00016-03-BR	MADISON	129	86
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 5
5 SHEETS

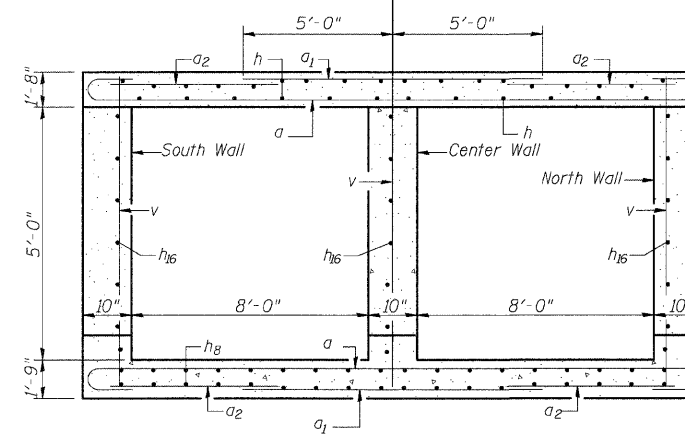
Contract # 97351



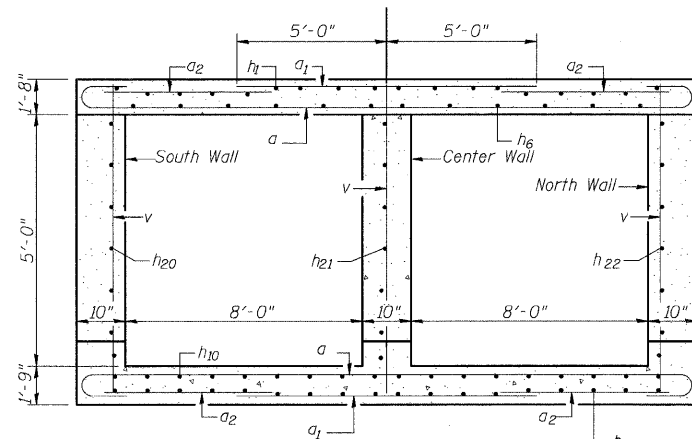
SECTION THRU SEGMENT A



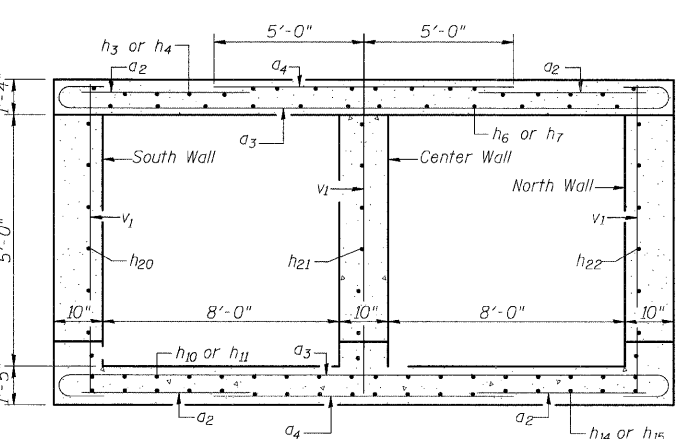
SECTION THRU SEGMENT B



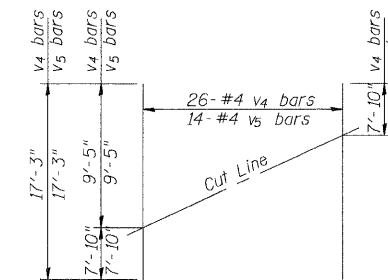
SECTION THRU SEGMENT C



SECTION THRU SEGMENT D

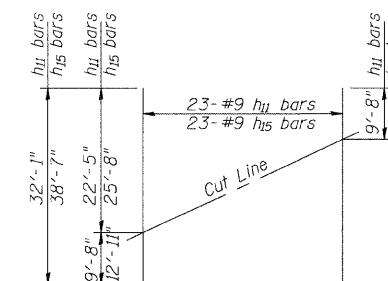


SECTION THRU SEGMENT E



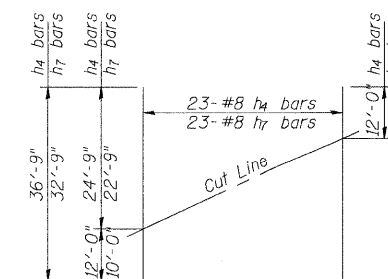
FIELD CUTTING DIAGRAM

Order v₄ and v₅ full length. Cut as shown and use remainder of bars in opposite end.



FIELD CUTTING DIAGRAM

Order v₁₁ and v₁₅ full length. Cut as shown and use remainder of bars in opposite end.



FIELD CUTTING DIAGRAM

Order v₄ and v₇ full length. Cut as shown and use remainder of bars in opposite end.

BILL OF MATERIAL

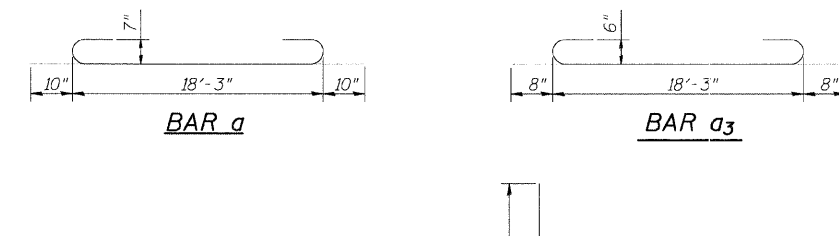
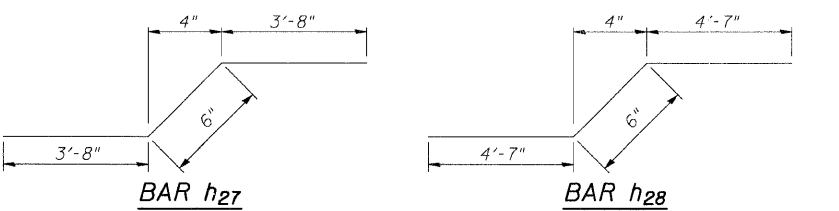
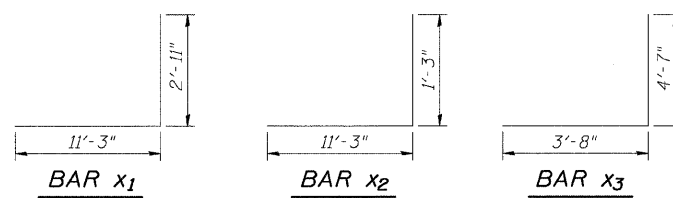
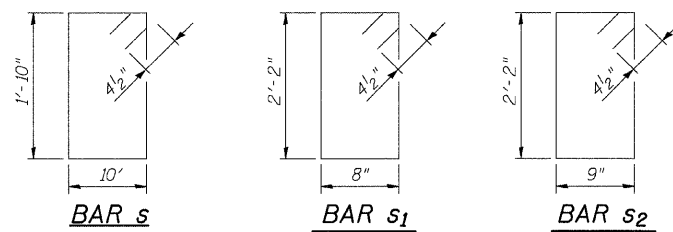
Bar	No.	Size	Length	Shape
a	498	#7	19'-11"	
a ₁	498	#9	10'-0"	
a ₂	676	#4	7'-4"	
a ₃	308	#6	19'-7"	
a ₄	318	#7	10'-0"	
d	64	#4	5'-6"	
h	92	#8	29'-5"	
h ₁	92	#8	39'-3"	
h ₂	46	#8	31'-4"	
h ₃	23	#8	40'-0"	
h ₄	23	#8	36'-9"	
h ₅	115	#8	30'-4"	
h ₆	92	#8	32'-0"	
h ₇	23	#8	32'-9"	
h ₈	92	#9	29'-11"	
h ₉	115	#9	31'-4"	
h ₁₀	92	#9	33'-0"	
h ₁₁	23	#9	32'-1"	
h ₁₂	92	#9	39'-8"	
h ₁₃	46	#9	32'-3"	
h ₁₄	23	#9	40'-0"	
h ₁₅	23	#9	38'-7"	
h ₁₆	54	#6	28'-7"	
h ₁₇	45	#6	30'-4"	
h ₁₈	45	#6	31'-7"	
h ₁₉	45	#6	32'-10"	
h ₂₀	36	#6	35'-7"	
h ₂₁	36	#6	34'-0"	
h ₂₂	36	#6	32'-4"	
h ₂₃	10	#6	21'-3"	
h ₂₄	8	#7	22'-2"	
h ₂₅	34	#4	9'-3"	
h ₂₆	34	#4	18'-9"	
h ₂₇	46	#8	7'-10"	
h ₂₈	46	#9	9'-8"	
n(E)	40	#6	5'-4"	
s	44	#4	6'-1"	
s ₁	84	#4	6'-5"	
s ₂	40	#4	6'-7"	
t	144	#4	6'-4"	
v	747	#8	8'-1"	
v ₁	474	#6	7'-5"	
v ₂	8	#5	6'-5"	
v ₃	8	#5	6'-2"	
v ₄	26	#4	17'-3"	
v ₅	14	#4	17'-3"	
v ₆	10	#4	9'-5"	
w	56	#5	18'-9"	
w ₁	32	#5	9'-3"	
x	28	#8	20'-3"	
x ₁	20	#8	14'-2"	
x ₂	8	#8	12'-6"	
x ₃	40	#8	8'-3"	
Concrete Box Culverts	Cu. Yd.		935	
Reinforcement Bars, Epoxy Coated	Pound		320	
Reinforcement Bars	Pound		204,384	

MINIMUM BAR LAP

(Barrel)

#4 bar	=	1'-4"
#5 bar	=	1'-8"
#6 bar	=	2'-0"
#7 bar	=	2'-9"
#8 bar	=	3'-8"
#9 bar	=	4'-7"

Notes:
Reinforcement bars designated (E) shall be epoxy coated.
Bars indicated thus 12x4-#5 etc. indicates 12 lines of bars with 4 lengths per line.



DESIGNED	C.M.W.
CHECKED	J.S.A.
DRAWN	B.D.M.
CHECKED	C.M.W.



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11 Executive Drive Suite 12
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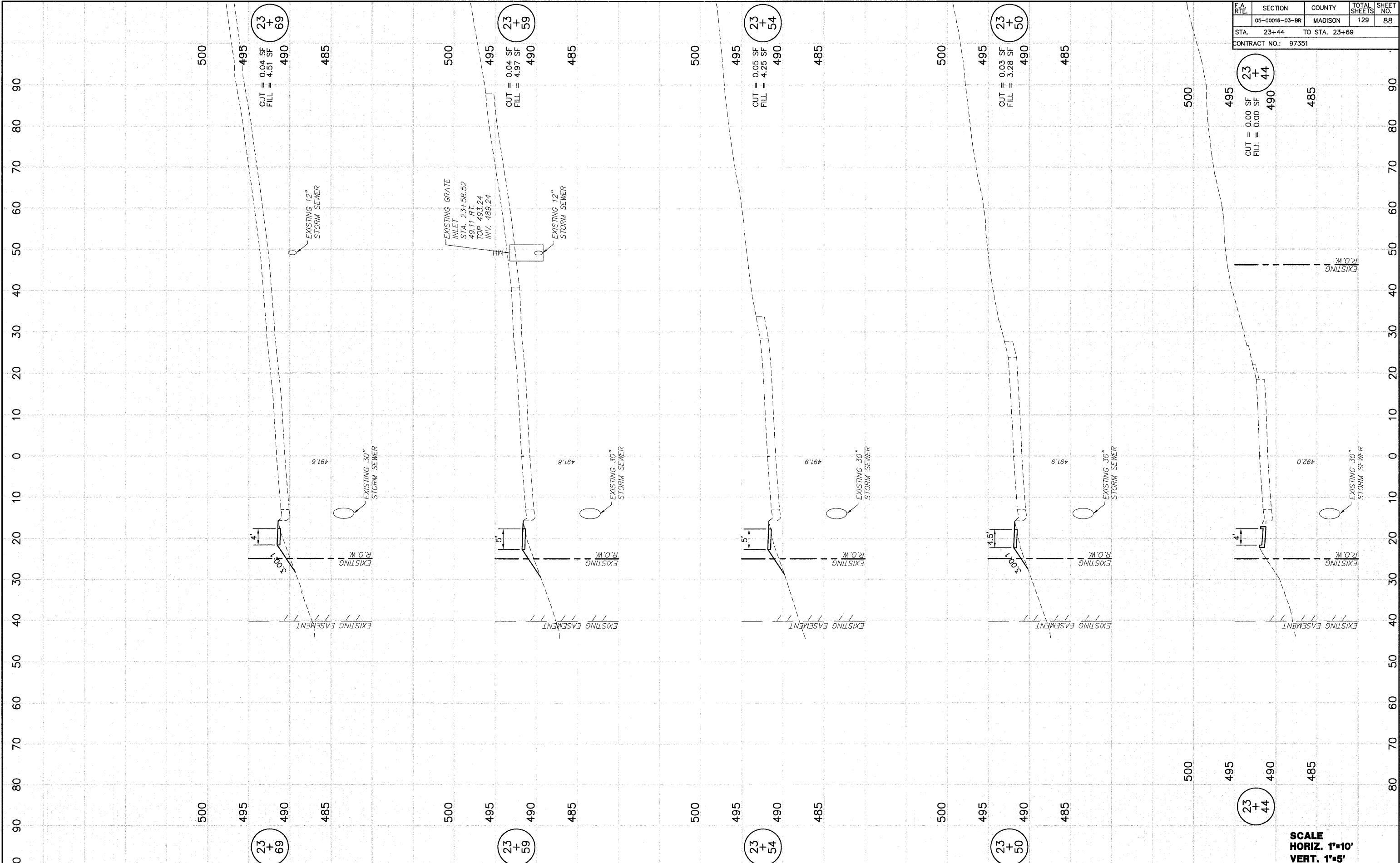
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CULVERT DETAILS
WEST CORBIN STREET OVER WOOD RIVER TRIBUTARY
F.A.P. 310 SECTION 05-00016-03-BR
MADISON COUNTY
STATION 40+21.99
S.N.060-6853

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

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00016-03-BR	MADISON	129	88
STA. 23+44		TO STA. 23+69		
CONTRACT NO.: 97351				

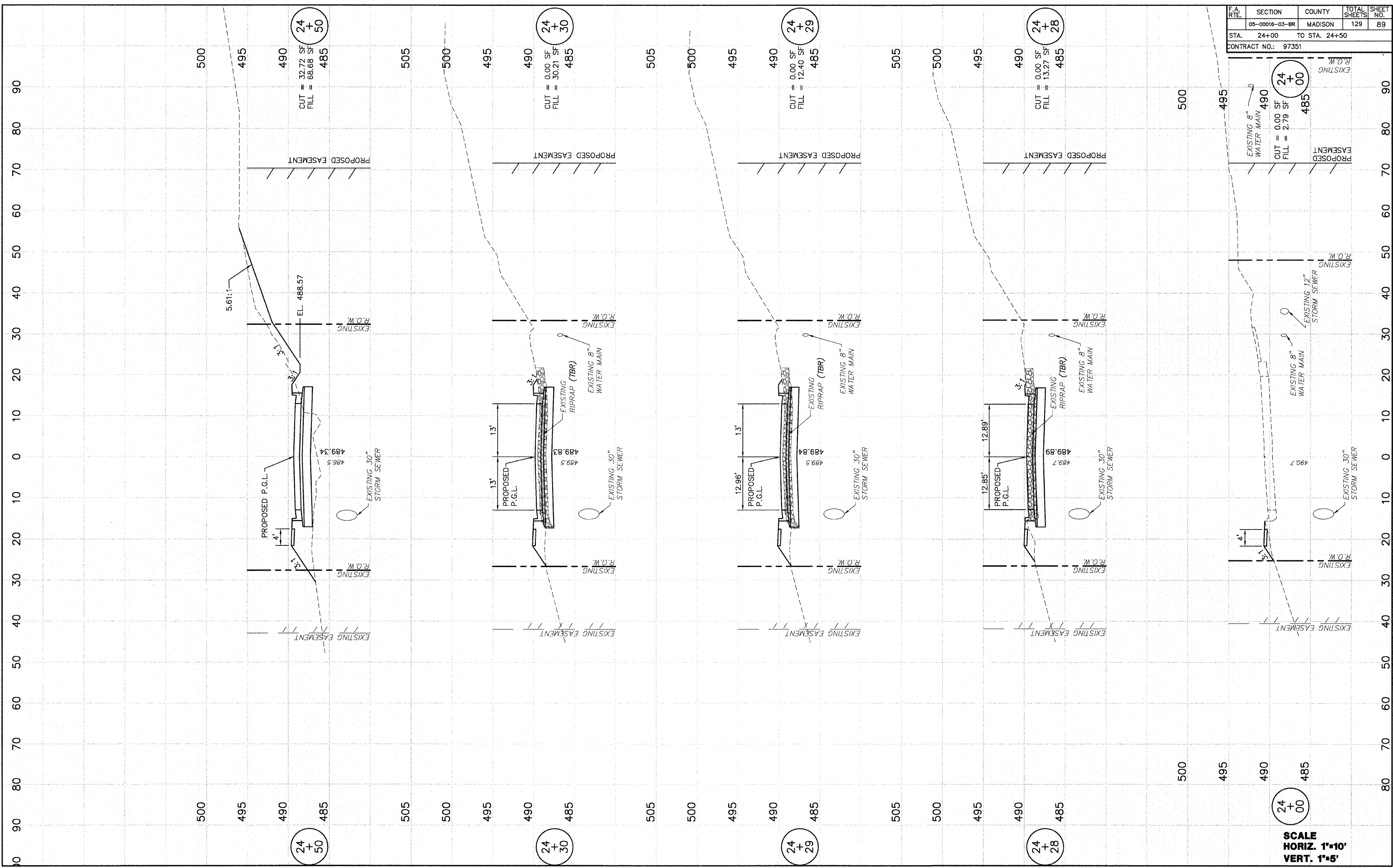


SCALE
HORIZ. 1"=10'
VERT. 1"=5'

DATE	12/19/06
BY	D.L.W.
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
NO.	
AREAS CHECKED	

DATE	12/19/06
BY	D.L.W.
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
NO.	
AREAS CHECKED	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00016-03-BR	MADISON	129	89
STA.	24+00	TO STA.	24+50	
CONTRACT NO.:	97351			



24+50
CUT = 32.72 SF
FILL = 88.68 SF
485

24+30
CUT = 0.00 SF
FILL = 30.21 SF
485

24+29
CUT = 0.00 SF
FILL = 12.40 SF
485

24+28
CUT = 0.00 SF
FILL = 13.27 SF
485

24+00
CUT = 0.00 SF
FILL = 2.79 SF
485

24+50

24+30

24+29

24+28

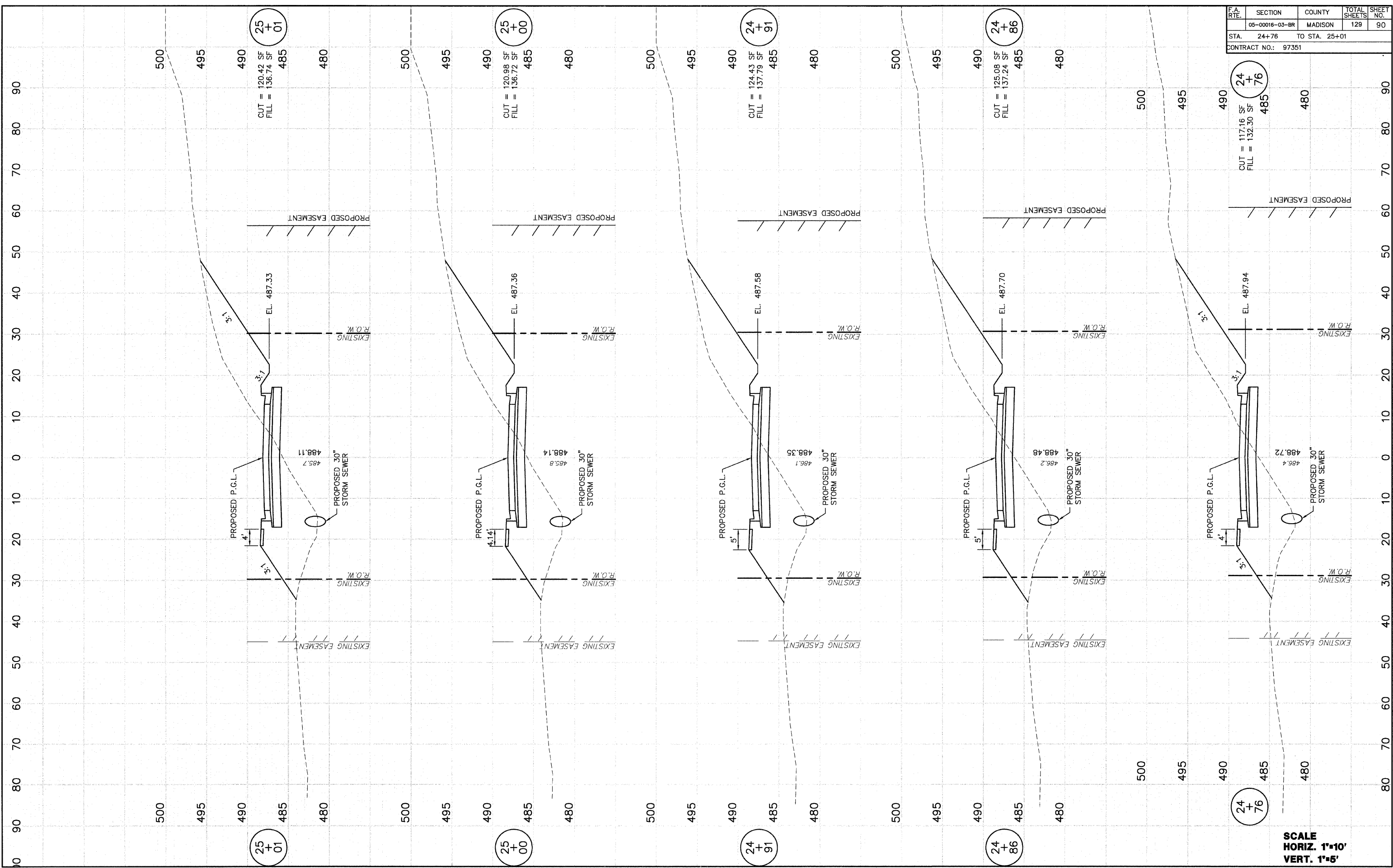
24+00

SCALE
HORIZ. 1"=10'
VERT. 1"=5'

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-0016-03-BR	MADISON	129	90
STA. 24+76		TO STA. 25+01		
CONTRACT NO.: 97351				

DATE	1/19/08
BY	D.L.W.
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	6/28/05
BY	D.L.W.
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

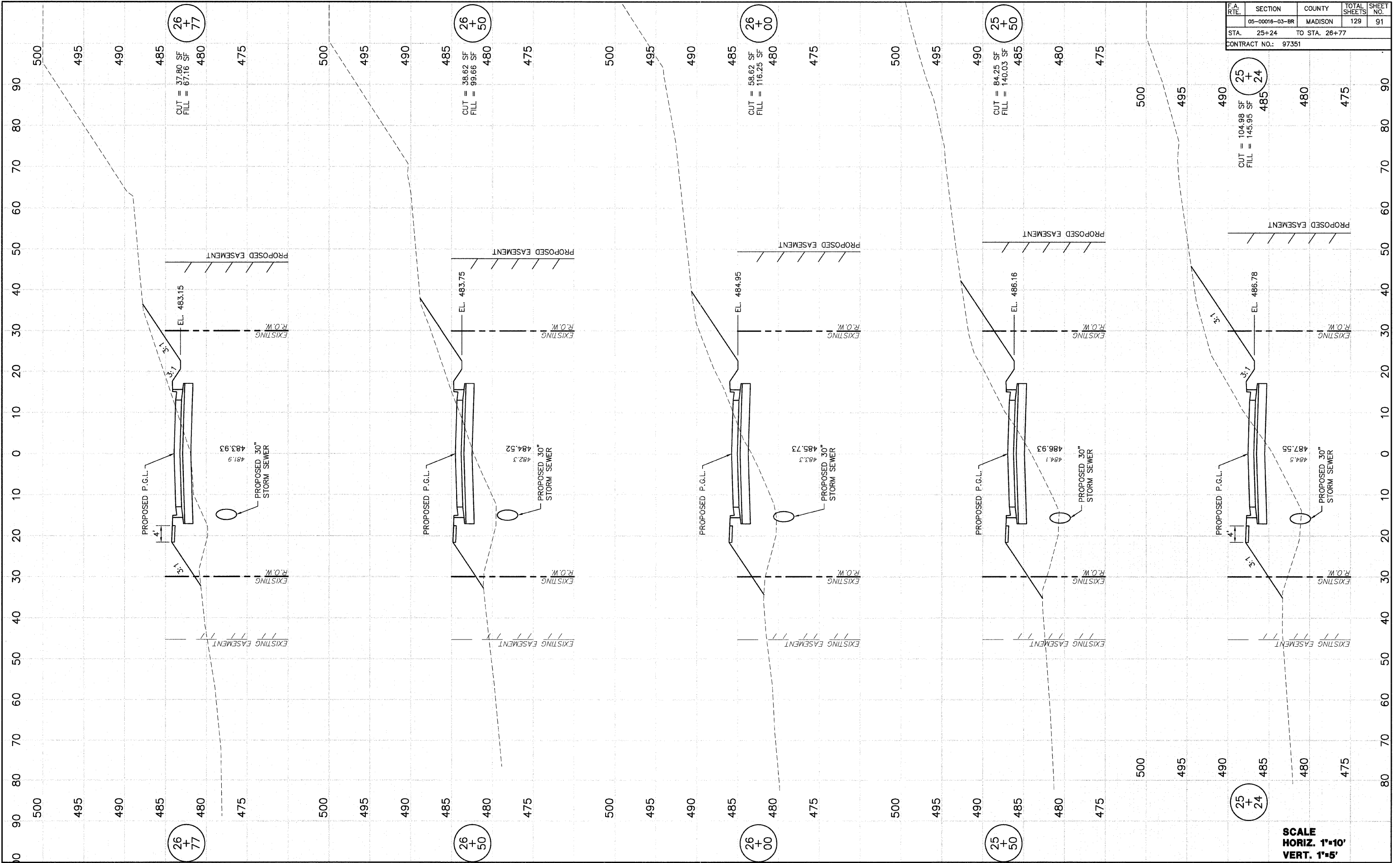


SCALE
 HORIZ. 1"=10'
 VERT. 1"=5'

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00016-03-BR	MADISON	129	91
STA. 25+24		TO STA. 26+77		
CONTRACT NO.: 97351				

DATE	17/9/06
BY	D.L.W.
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS	
CHECKED	
NO.	

DATE	9/29/06
BY	D.L.W.
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS	
CHECKED	
NO.	

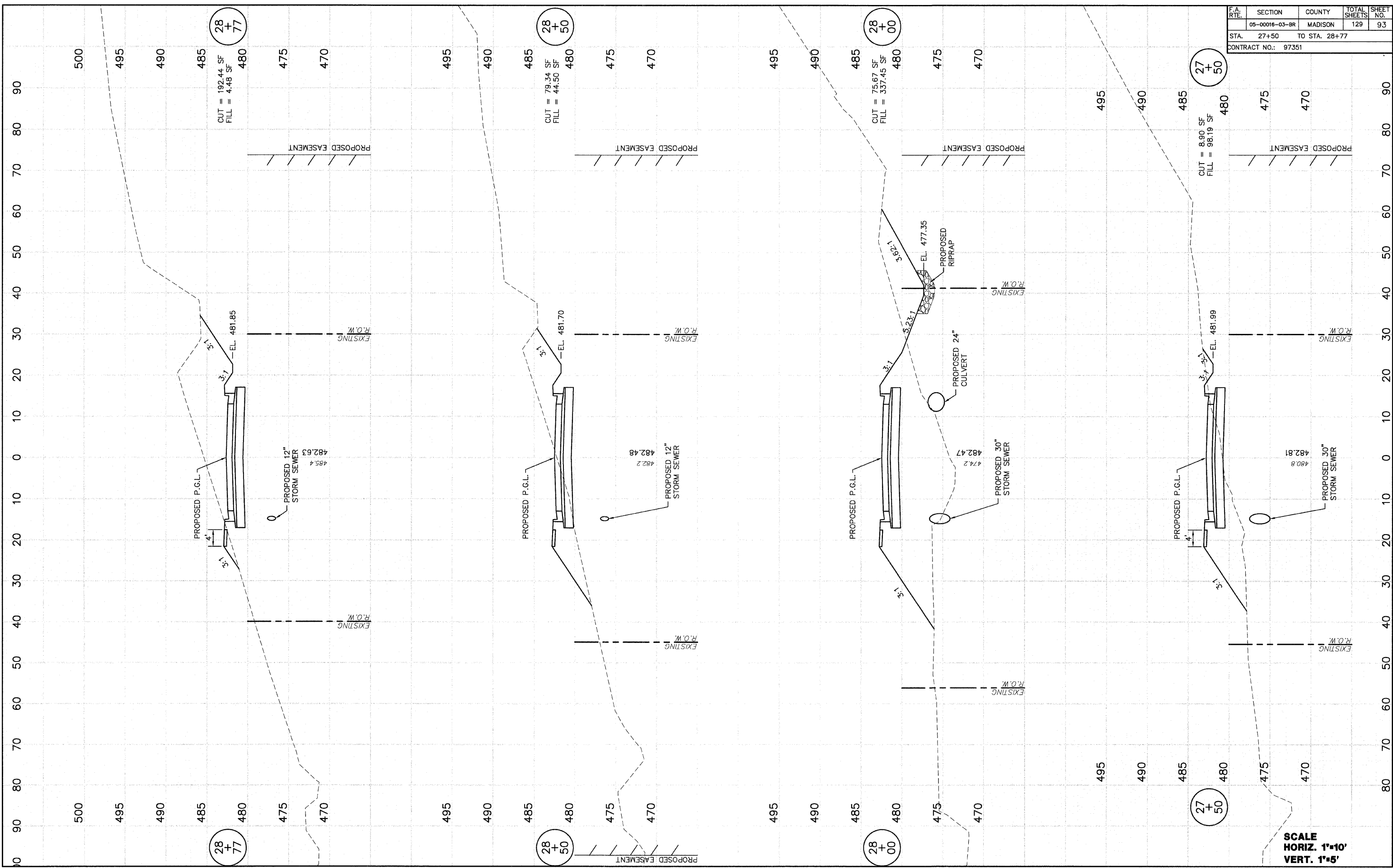


SCALE
HORIZ. 1"=10'
VERT. 1"=5'

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00016-03-BR	MADISON	129	93
STA. 27+50		TO STA. 28+77		
CONTRACT NO.: 97351				

DATE	1/28/05
BY	D.L.W.
FINAL SURVEY PLOTTED	
NOTE BOOK NO.	
AREAS CHECKED	

DATE	8/28/05
BY	D.L.W.
ORIGINAL SURVEY PLOTTED	
NOTE BOOK NO.	
AREAS CHECKED	



28
+
77
CUT = 192.44 SF
FILL = 4.48 SF

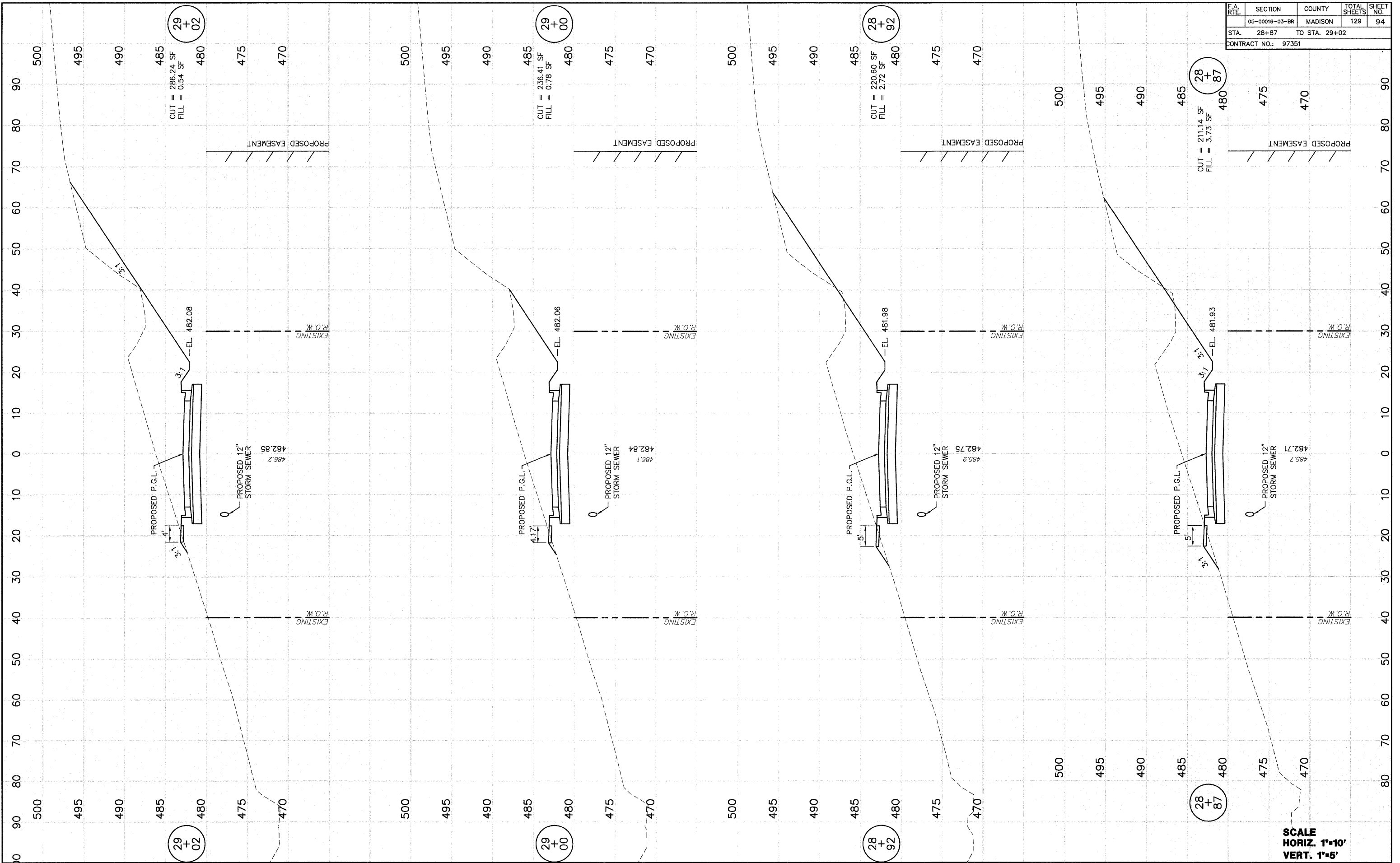
28
+
50
CUT = 79.34 SF
FILL = 44.50 SF

28
+
00
CUT = 75.67 SF
FILL = 337.45 SF

27
+
50
CUT = 8.90 SF
FILL = 98.19 SF

SCALE
HORIZ. 1"=10'
VERT. 1"=5'

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00016-03-BR	MADISON	129	94
STA. 28+87		TO STA. 29+02		
CONTRACT NO.: 97351				



FINAL SURVEY	DATE	BY
PLOTTED	7/29/06	D.L.W.
NOTE BOOK		
AREAS CHECKED		

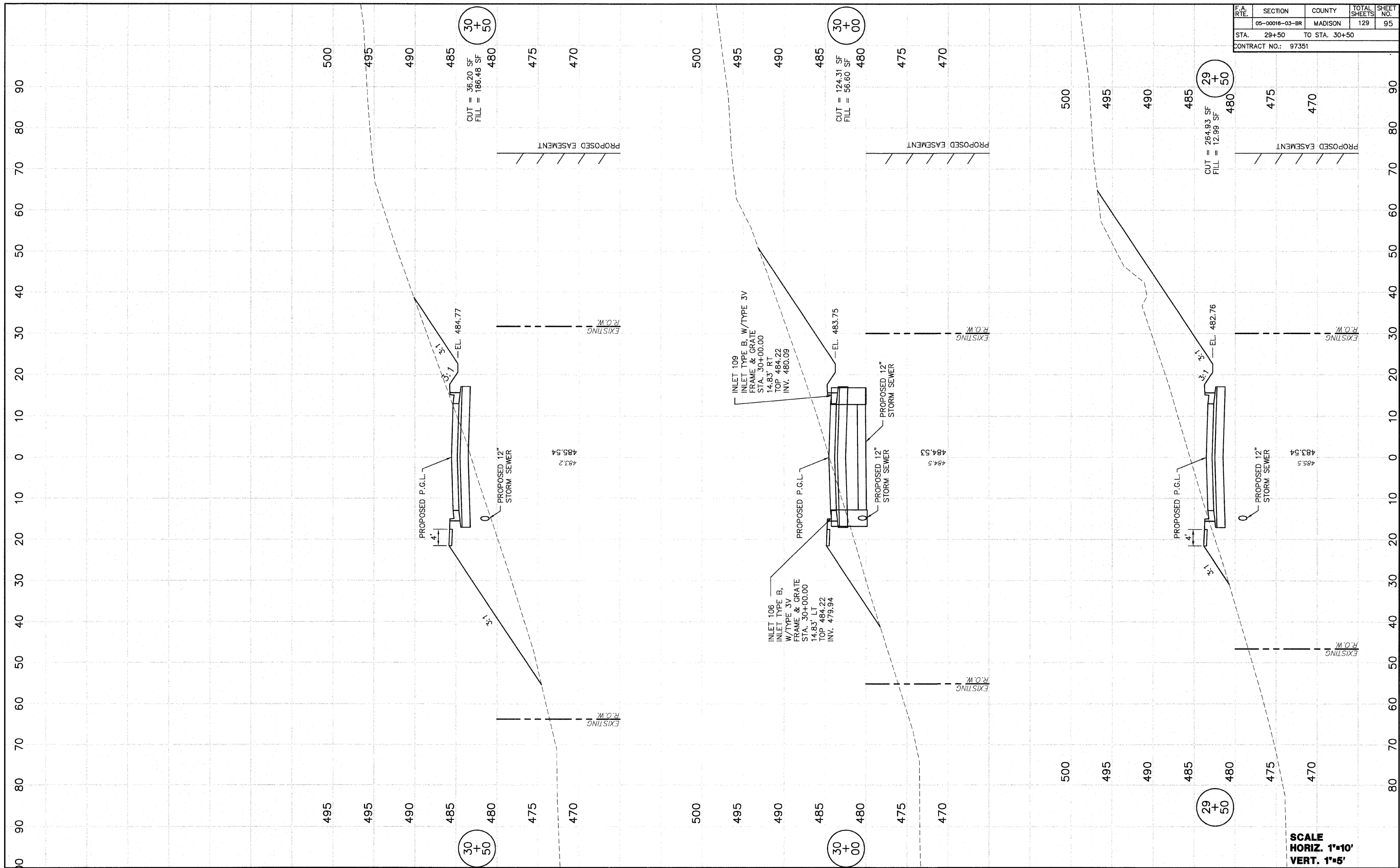
ORIGINAL SURVEY	DATE	BY
PLOTTED	8/29/06	D.L.W.
NOTE BOOK		
AREAS CHECKED		

SCALE
HORIZ. 1"=10'
VERT. 1"=5'

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00016-03-BR	MADISON	129	95
STA. 29+50		TO STA. 30+50		
CONTRACT NO.: 97351				

FINAL SURVEY	DATE	BY
SURVEYED	17/19/08	D.L.W.
PLOTTED		
DATE		
AREAS		
CHECKED		
NO.		

ORIGINAL SURVEY	DATE	BY
SURVEYED	8/29/05	D.L.W.
PLOTTED		
DATE		
AREAS		
CHECKED		
NO.		

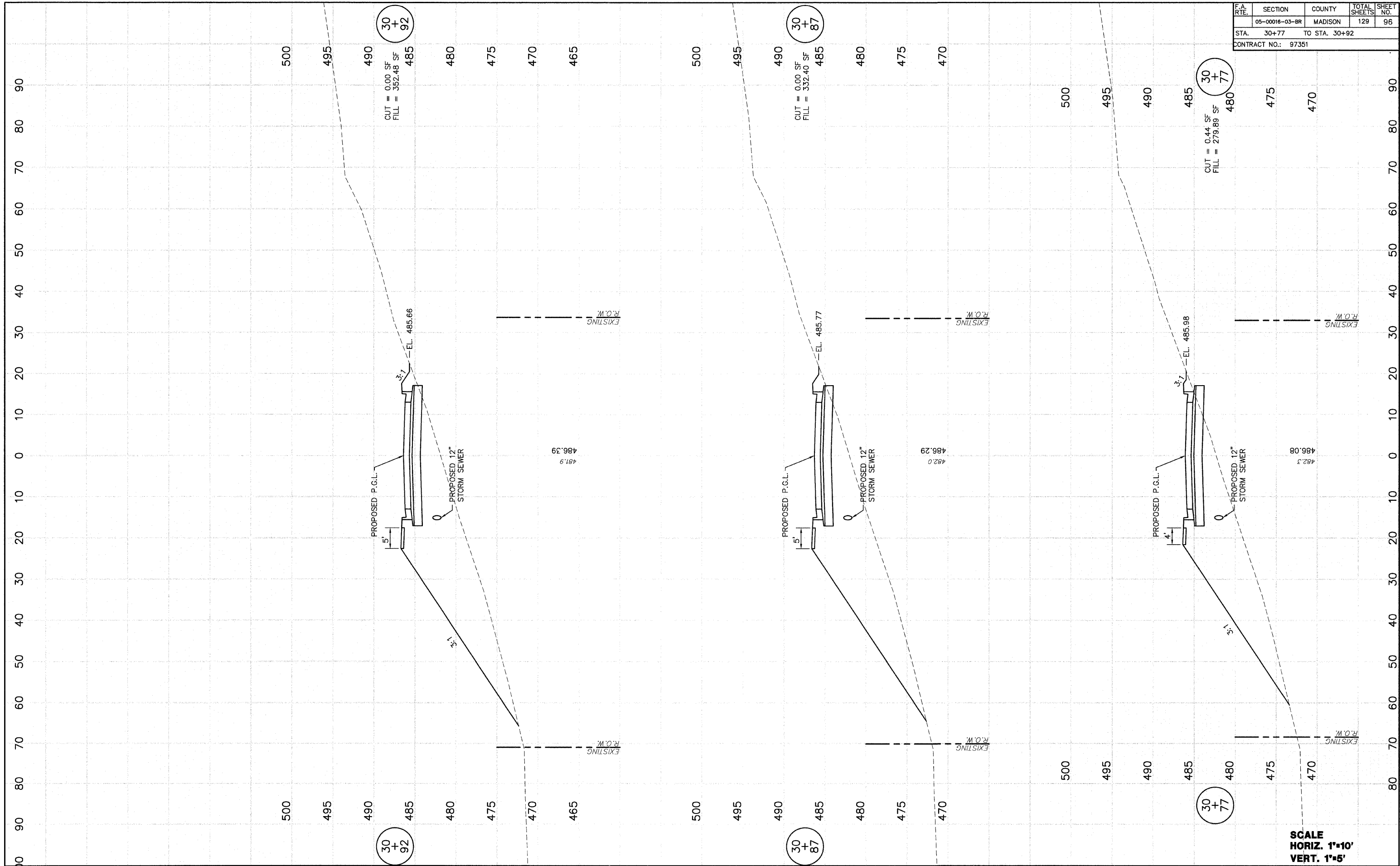


SCALE
HORIZ. 1"=10'
VERT. 1"=5'

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00016-03-BR	MADISON	129	96
STA. 30+77		TO STA. 30+92		
CONTRACT NO.: 97351				

FINAL SURVEY	DATE	BY
NOTE BOOK	17/09/08	D.L.W.
AREAS CHECKED		
NO.		

ORIGINAL SURVEY	DATE	BY
NOTE BOOK	02/28/05	D.L.W.
AREAS CHECKED		
NO.		

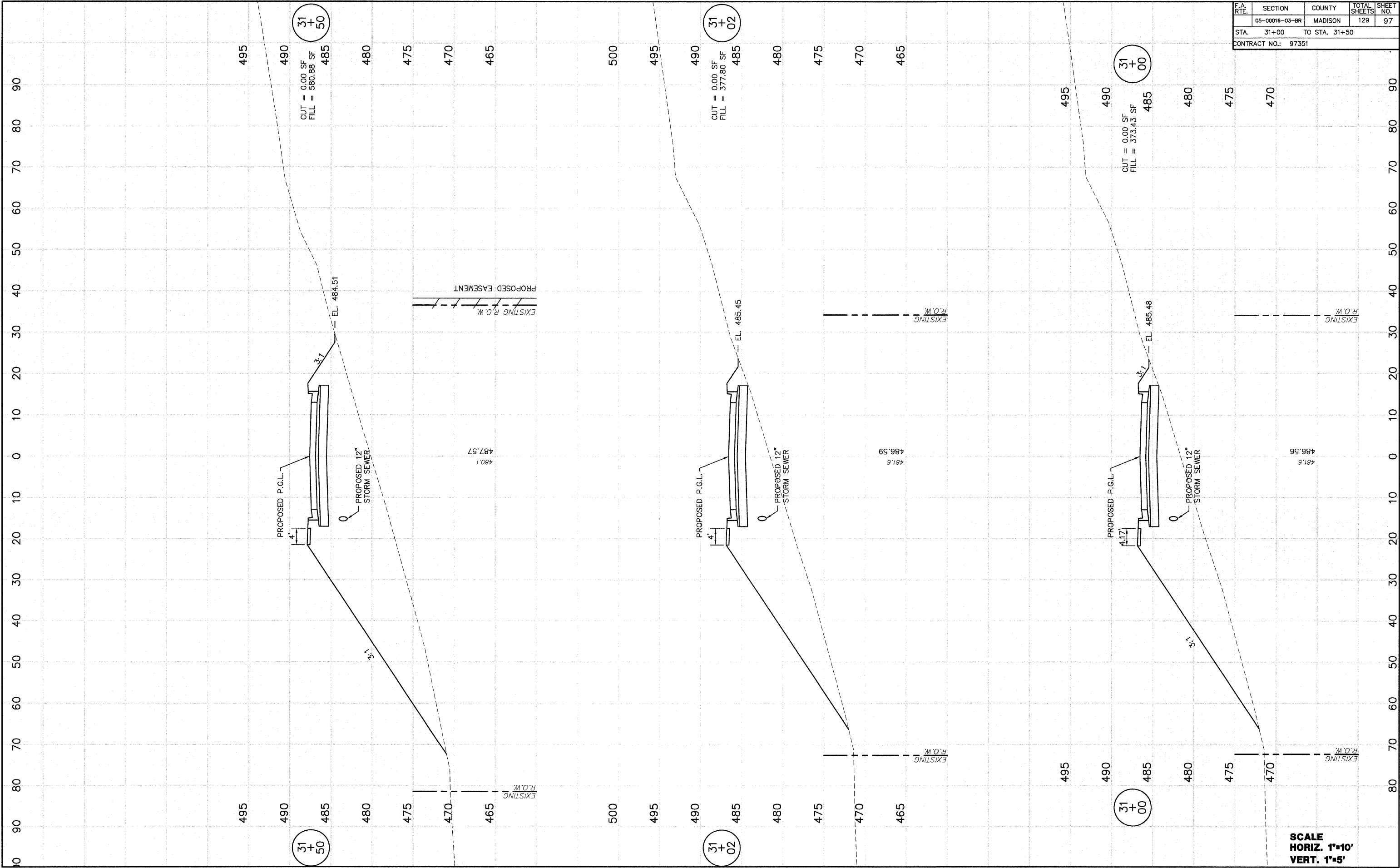


SCALE
HORIZ. 1"=10'
VERT. 1"=5'

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00016-03-BR	MADISON	129	97
STA. 31+00		TO STA. 31+50		
CONTRACT NO.: 97351				

FINAL SURVEY	DATE	BY
PLOTTED	1/29/05	D.L.W.
NOTE BOOK NO.		
AREAS CHECKED		

ORIGINAL SURVEY	DATE	BY
PLOTTED	9/29/05	D.L.W.
NOTE BOOK NO.		
AREAS CHECKED		

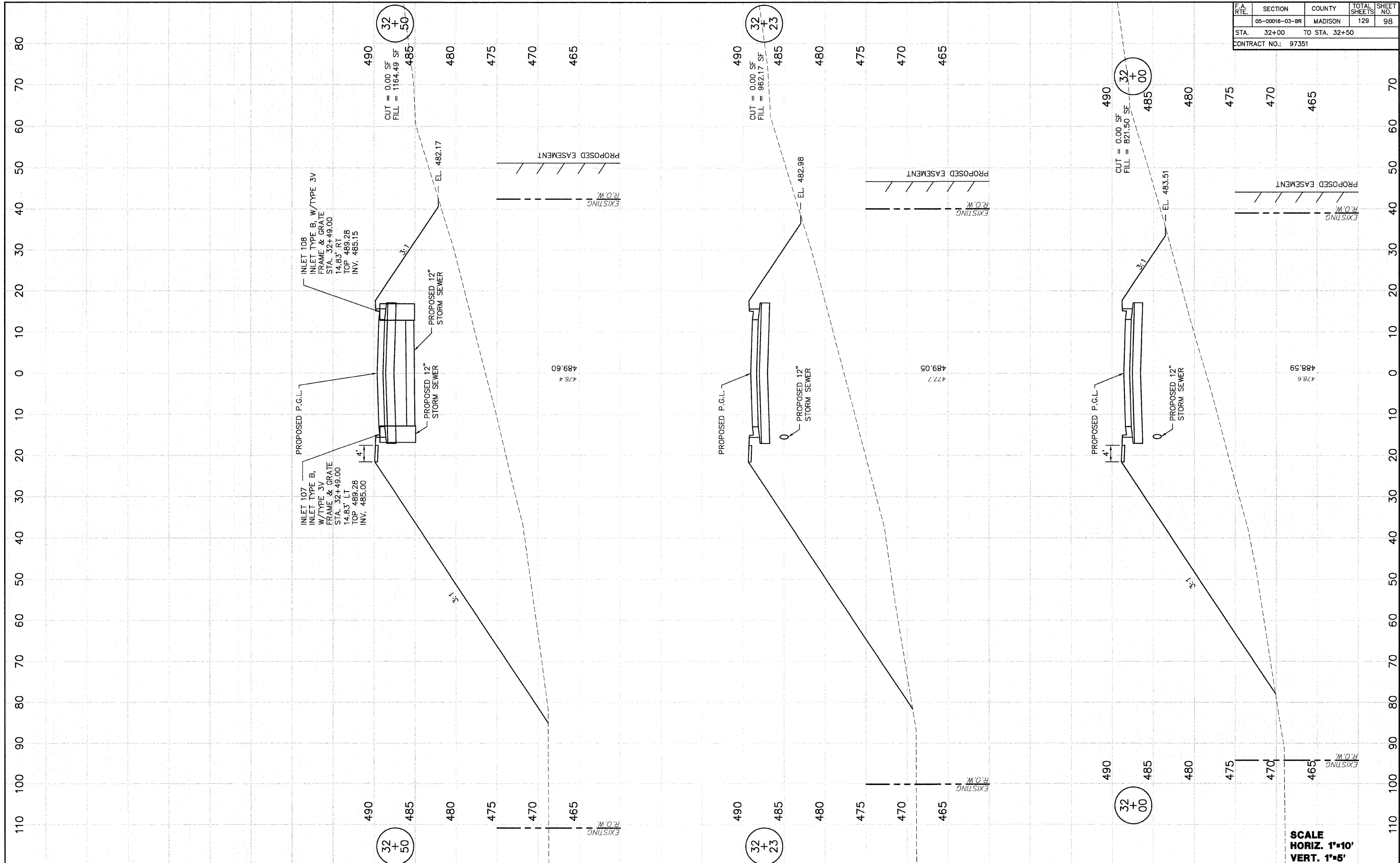


SCALE
 HORIZ. 1"=10'
 VERT. 1"=5'

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00016-03-BR	MADISON	129	98
STA. 32+00		TO STA. 32+50		
CONTRACT NO.: 97351				

FINAL SURVEY	DATE	BY
SURVEYED	1/19/08	D.L.W.
PLOTTED		
NOTE BOOK		
AREAS CHECKED		
NO.		

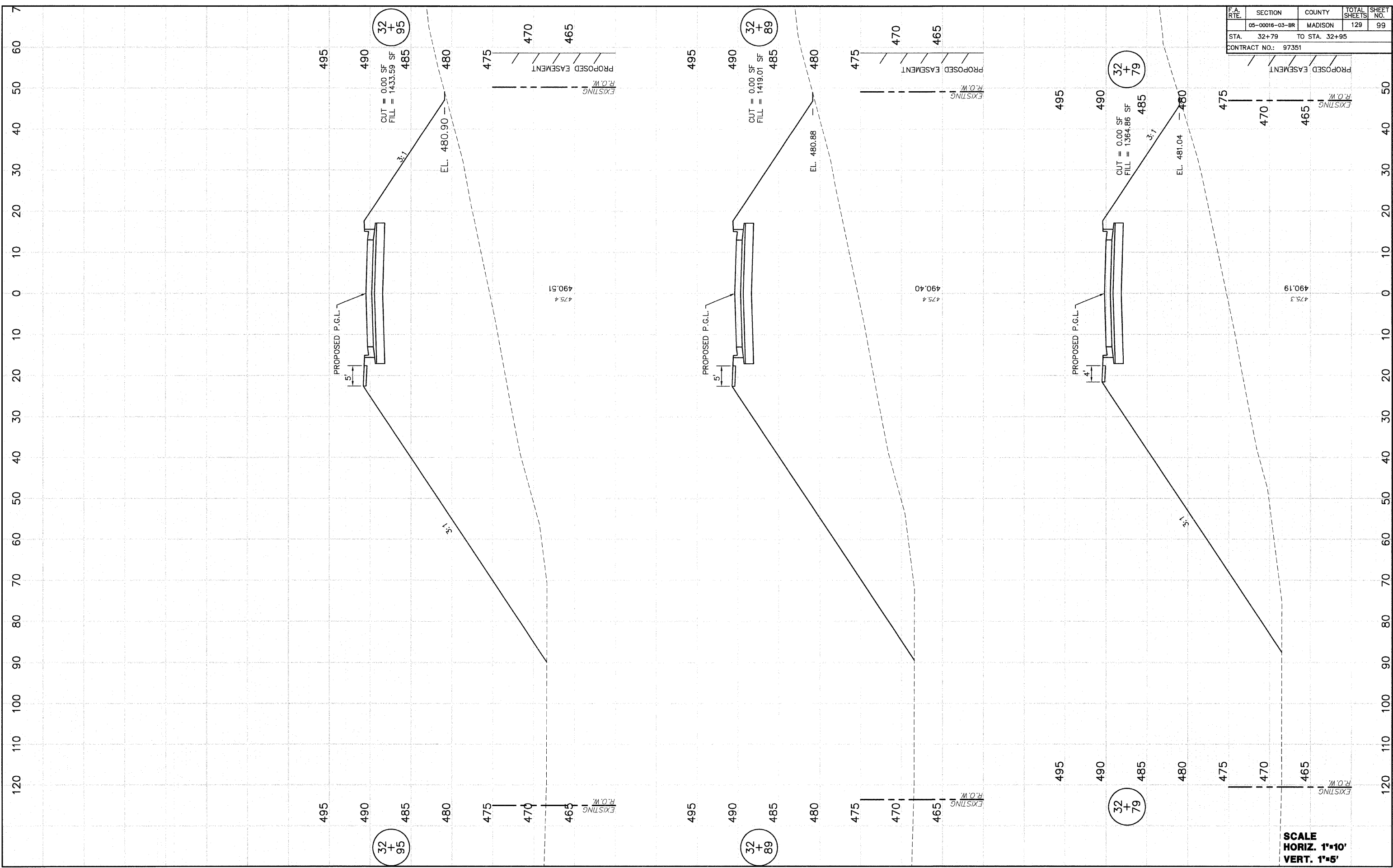
ORIGINAL SURVEY	DATE	BY
SURVEYED	8/26/05	D.L.W.
PLOTTED		
NOTE BOOK		
AREAS CHECKED		
NO.		



SCALE
 HORIZ. 1"=10'
 VERT. 1"=5'

FINAL SURVEY	DATE
PLOTTED	17/19/08
NOTE BOOK	
AREAS	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY	DATE
PLOTTED	6/26/05
NOTE BOOK	
AREAS	
AREAS CHECKED	
NO.	



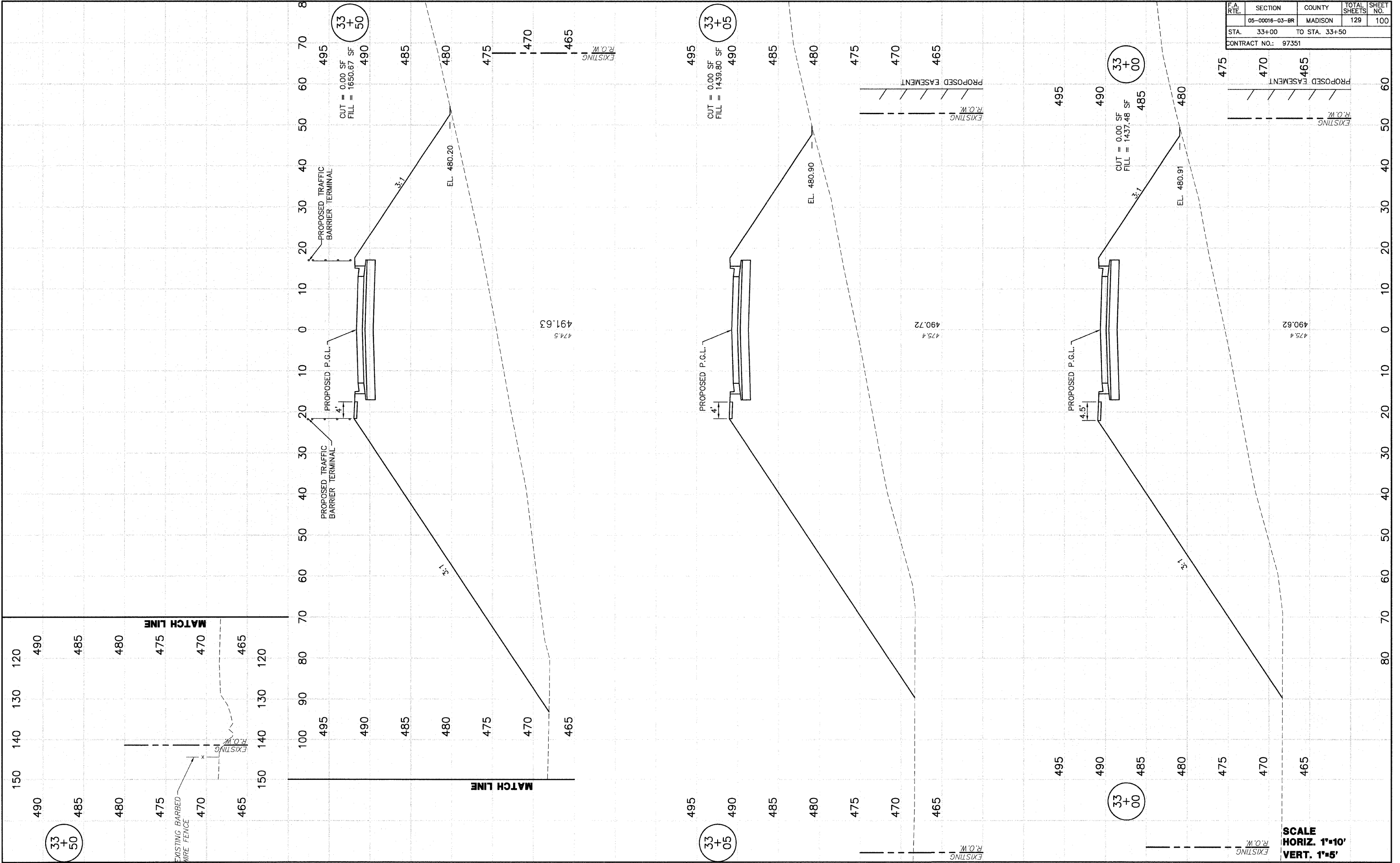
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00016-03-BR	MADISON	129	99
STA. 32+79		TO STA. 32+95		
CONTRACT NO.: 97351				

SCALE
HORIZ. 1"=10'
VERT. 1"=5'

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00016-03-BR	MADISON	129	100
STA. 33+00		TO STA. 33+50		
CONTRACT NO.: 97351				

FINAL SURVEY	DATE	BY
NO. _____	1/19/06	D.L.W.
PLOTTED	DATE	BY
AREAS CHECKED		

ORIGINAL SURVEY	DATE	BY
NO. _____	9/29/05	D.L.W.
PLOTTED	DATE	BY
AREAS CHECKED		



SCALE
 HORIZ. 1"=10'
 VERT. 1"=5'