

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 680 (CH 4)	10-00101-00-SP	EDGAR	132	2
ILLINOIS CONTRACT NO. 91467				

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2012." THESE PLANS AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.
- ALL CLEARING AND GRUBBING AND REMOVAL OF EXISTING DRAINAGE STRUCTURES SHALL BE CONSIDERED INCIDENTAL TO EARTH EXCAVATION. ALL BITUMINOUS MATERIAL SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR IN A METHOD APPROVED BY THE ENGINEER. PROPER DISPOSAL OF BITUMINOUS MATERIAL SHALL BE CONSIDERED TO BE INCLUDED WITH THE CORRESPONDING PAVEMENT REMOVAL PAY ITEM AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE LOCATIONS OF EXISTING GAS MAINS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THE LOCATIONS ARE NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE INDIVIDUAL UTILITY COMPANIES AND BY FIELD INSPECTION.
- WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED OR COVERED. CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- THE AREA TO BE SEEDED SHALL CONSIST OF ALL DISTURBED EARTH SURFACES WITHIN THE RIGHT-OF-WAY AS DIRECTED BY THE ENGINEER. SEEDING WILL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2012." ESTIMATED QUANTITY = SEEDING CLASS 2 (SPECIAL) = **6.3 ACRES**
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

SUB BASE GRANULAR MATERIAL, TYPE C	2.05 TON/CU YD
ALL HOT MIX ASPHALT	112 LBS/SQ.YD./INCH OF THICKNESS
- A 30 FOOT SKI WILL BE USED DURING THE PLACEMENT OF THE LEVELING BINDER (MACHINE METHOD) N50 AND THE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 IN ACCORDANCE WITH ARTICLE 406.06(e) OF THE STANDARD SPECIFICATIONS.
- PAYMENT FOR THE EXCAVATION ASSOCIATED WITH HMA SHOULDERS AND HMA BASE COURSE WIDENING WILL BE **EXCAVATING AND GRADING EXISTING SHOULDER** AND NO OTHER COMPENSATION WILL BE ALLOWED.
- AT LOCATIONS WHERE PROPOSED GUARDRAIL IS TERMINATING ALONG AN ENTRANCE AN END SECTION SHALL BE ATTACHED TO THE LAST SECTION OF GUARDRAIL. SEE IDOT STANDARD 630001 FOR DETAIL OF END SECTION. END SECTIONS WILL NOT PAID FOR AS A SEPARATE ITEM, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT PRICE FOR STEEL PLATE BEAM GUARDRAIL.
- THE EDGE OF SHOULDER RUMBLE STRIP CLOSEST TO THE EDGE OF PAVEMENT SHALL BE LOCATED 12" FROM THE EDGE OF PAVEMENT. ALL SHOULDER RUMBLE STRIPS SHALL BE MILLED. ALL SHOULDER RUMBLE STRIPS SHALL BE SEALED (SEE SPECIAL PROVISIONS). MEASUREMENT SHALL INCLUDE BOTH THE CUT AND UNCUT (FORMED AND UNFORMED) SECTIONS OF THE SHOULDER RUMBLE STRIPS WITH EXCEPTIONS FOR BRIDGE DECKS, APPROACH PAVEMENTS, TURN LANES, ENTRANCES, GAPS AS SHOWN ON STANDARD 642006, AND OTHER SECTIONS WHERE SHOULDER RUMBLE STRIPS HAVE BEEN OMITTED.
- BEFORE ORDERING PIPE CULVERTS OR END SECTIONS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR THE EXACT LENGTHS.

	HMA SURFACE, INCIDENTAL HMA SURFACING, HAM SHOULDERS TOP LIFT	LEVELING BINDER MM, N50 LEVELING BINDER MM, SPECIAL	HMA BASE COURSE WIDENING 6" HMA SHOULDERS 4 1/2" HAM SHOULDERS LOWER LIFTS LIFT
PG GRADE **	PG64-22	PG64-22	PG58-22
DESIGN AIR	4% @	4% @	4% @
VOIDS	N50	N50	N50
RAP % (MAX):	15%	25%	25%
MIXTURE COMPOSITION	IL 9.5	IL 9.5	IL 19.0
FRICTION AGGREGATE	MIXTURE C	NA	NA
DENSITY TEST METHOD	CORES	CORES	CORES

* MATERIAL SHALL BE COMPACTED TO 93.0-97.4 PERCENT OF THE MAXIMUM THEORETICAL DENSITY, EXCEPT THAT WHEN PLACED AS FIRST LIFT ON AN UNIMPROVED SUBGRADE THE MINIMUM PERCENT COMPACTION SHALL BE 90.0%. THE MAXIMUM THEORETICAL DENSITY SHALL BE DETERMINED FROM THE MOVING AVERAGE ASSPECIFIED IN THE QC/QA SPECIFICATION

UTILITIES

ELECTRIC
ENERSTAR ELECTRIC COOPERATIVE
11597 ILLINOIS HIGHWAY 1
PARIS, IL 61944
TIM HADDIX 217-463-4145 EX 617
ARCHIE ESLINGER 800-635-4145

BURIED CABLE
VERIZON (FRONTIER COMM.)
MICHELLE LEWSADER 217-463-3129.

PIPE LINE
MARATHON PIPELINE LLC
CRAIG POTTS
539 SOUTH MAIN ST
FINDLAY OHIO 45840
419-421-4260
SCOTT RICH 217-276-9610
KEVIN JOHNSON 217-382-2215

PIPE LINE
MIDWESTERN GAS TRANSMISSION COMPANY
LARRY ABBOTT
3140 NEIL ARMSTRONG BLVD, STE 208
EAGAN, MN 55121
651-944-0332 EX1223
JEREMY WALTERS 217-275-3291 EX 2023

PIPE LINE
BUCKEYE PARTNERS LP
JOHN REINBOLD
FIVE TEK PARK, HAMILTON BLVD
BREINGSVILLE, PA 18031
610-904-4185
BILL ???? 628-975-9356
JOMARIE JENKINS 610-904-4138

WATER
CLARK-EDGAR RURAL WATER DISTRICT
475 IL HIGHWAY 1,
MARSHALL, IL-62441,
FRANCIS & ASSOCIATES
217-465-5306

PLOT DATE 11/19/2012 FILE NAME 11033B-alt-routes.dgn



**EDGAR COUNTY
HIGHWAY DEPARTMENT**

SUMMARY OF QUANTITIES			
CODE #	ITEM	UNIT	HSIP FUNDING 0004
20200100	EARTH EXCAVATION	CU YD	215
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	390
20400800	FURNISHED EXCAVATION	CU YD	1,630
28000305	TEMPORARY DITCH CHECKS	FOOT	55
28000400	PERIMETER EROSION BARRIER	FOOT	2,805
28000500	INLET AND PIPE PROTECTION	EACH	6
31101900	SUBBASE GRANULAR MATERIAL, TYPE C	TON	179
35600700	HOT-MIX ASPHALT BASE COURSE WIDENING, 6"	SQ YD	251
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	415
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	5,984
40600300	AGGREGATE (PRIME COAT)	TON	80
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	2,920
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	314
40600990	TEMPORARY RAMP	SQ YD	70
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	3,640
40800010	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	188
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	215
48203015	HOT-MIX ASPHALT SHOULDERS, 4 1/2"	SQ YD	9,917
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	2,327
48203100	HOT-MIX ASPHALT SHOULDERS	TON	2,100
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1,370
50901050	STEEL RAILING, TYPE SM	FOOT	65
52100510	ANCHOR BOLTS, 3/4"	EACH	32
54003000	CONCRETE BOX CULVERTS	CU YD	5.5
542D0217	PIPE CULVERTS, CLASS D, TYPE 1 12"	FOOT	48
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	30
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	44
542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	30
542D5497	PIPE CULVERTS, CLASS D, TYPE 1 EQUIVALENT ROUND-SIZE 42"	FOOT	6
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	5
54213687	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 42"	EACH	2
54213873	STEEL END SECTIONS 18"	EACH	1
* 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	1,400
* 63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	4
* 63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	6
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL), TANGENT	EACH	10

^ SEE SPECIAL PROVISIONS

SUMMARY OF QUANTITIES			
CODE #	ITEM	UNIT	HSIP FUNDING 0004
63200310	GUARDRAIL REMOVAL	FOOT	2,069
* 63300725	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	FOOT	50
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	27,874
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6
67100100	MOBILIZATION	L SUM	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	5,062
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	69,530
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	326
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	34
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	10
^ X0326697	CENTER LINE - RUMBLE STRIP - 8"	FOOT	18,565
^ X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	6.3
^ X4060605	LEVELING BINDER (MACHINE METHOD), SPECIAL	TON	1,227
* X6310188	TRAFFIC BARRIER TERMINAL, TYPE 6A (MODIFIED)	EACH	2
^ X6320100	GUARDRAIL REMOVAL SPECIAL	FOOT	350

^ SEE SPECIAL PROVISIONS

* SPECIALTY ITEMS

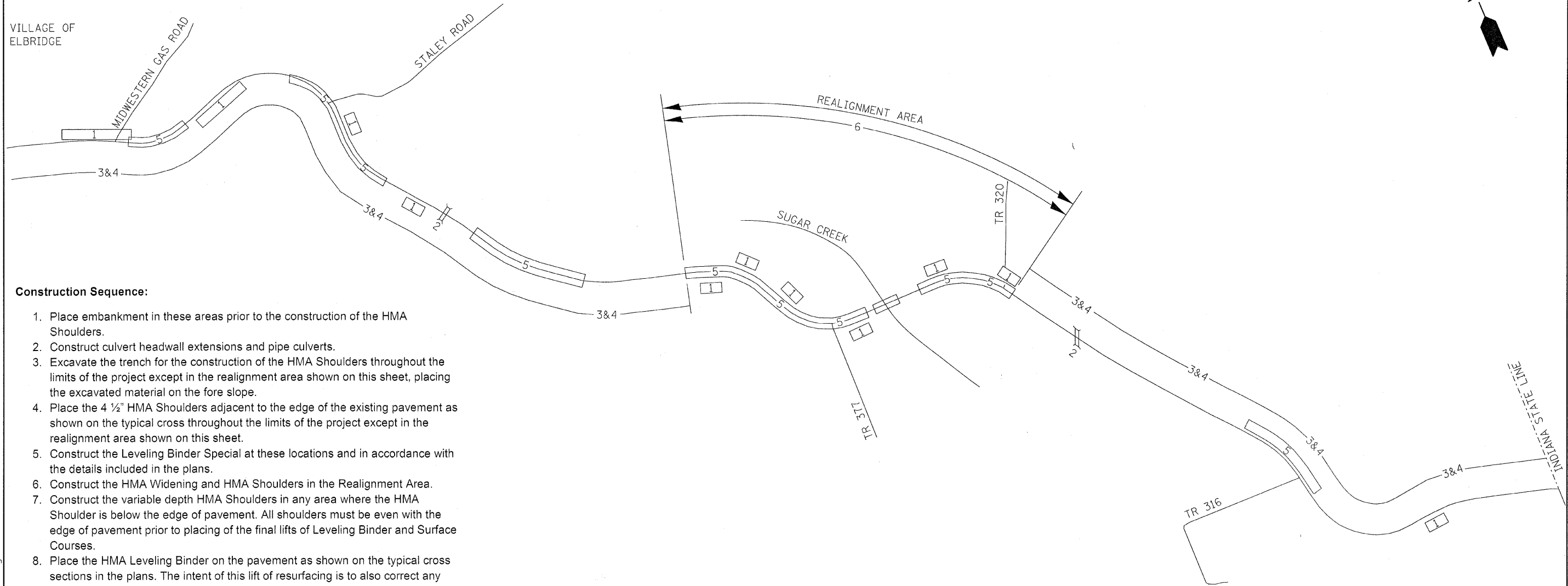
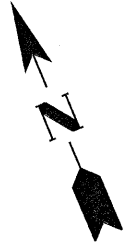
PLOT DATE: 11/19/2012 FILE NAME: 1180330-ah-hw-summary.dgn



**EDGAR COUNTY
HIGHWAY DEPARTMENT**

CONSTRUCTION SEQUENCE

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 680	10-00101-00-SP	EDGAR	132	4
EDGAR COUNTY, ILLINOIS		FED. AID PROJECT		



Construction Sequence:

1. Place embankment in these areas prior to the construction of the HMA Shoulders.
2. Construct culvert headwall extensions and pipe culverts.
3. Excavate the trench for the construction of the HMA Shoulders throughout the limits of the project except in the realignment area shown on this sheet, placing the excavated material on the fore slope.
4. Place the 4 1/2" HMA Shoulders adjacent to the edge of the existing pavement as shown on the typical cross throughout the limits of the project except in the realignment area shown on this sheet.
5. Construct the Leveling Binder Special at these locations and in accordance with the details included in the plans.
6. Construct the HMA Widening and HMA Shoulders in the Realignment Area.
7. Construct the variable depth HMA Shoulders in any area where the HMA Shoulder is below the edge of pavement. All shoulders must be even with the edge of pavement prior to placing of the final lifts of Leveling Binder and Surface Courses.
8. Place the HMA Leveling Binder on the pavement as shown on the typical cross sections in the plans. The intent of this lift of resurfacing is to also correct any longitudinal and transverse variations that may exist in the pavement. The typical cross section shows that this course will be constructed as 1" at the centerline and edge of pavement. Adjustments in the thickness of this lift may be necessary to correct surface variations in the existing pavement structure.
9. Place the HMA Surface Course on the pavement as shown on the typical cross sections.
10. Construct the top lift of the HMA Shoulders to bring the shoulders to the top of the resurfaced pavement throughout the limits of the project.
11. Construct the Shoulder Rumble Strips as shown in the plans and in accordance with the Special Provisions of this contract.
12. Construct the Centerline Rumble Strips as shown in the plans and in accordance with the Special Provisions of this contract.
13. Place the permanent Paint Pavement Markings and Raised Reflective Pavement Markers as shown on the details in the plans.

PLOT DATE :1/19/2012 FILE NAME = 110330-ahh-constr-uc-tion-sequence.dgn



**EDGAR COUNTY
HIGHWAY DEPARTMENT**

GUARDRAIL SCHEDULE										
LOCATION	STEEL PLATE BEAM GUARD RAIL TYPE A 9 FOOT POSTS	TRAFFIC BARRIER TERMINAL TYPE 1 SPECIAL (TANGENT)	TRAFFIC BARRIER TERMINAL TYPE 6A	TRAFFIC BARRIER TERMINAL TYPE 6A MODIFIED	TRAFFIC BARRIER TERMINAL TYPE 5A	STEEL PLATE BEAM GUARD RAIL (SHORT RADIUS)	GUARDRAIL REMOVAL	GUARDRAIL REMOVAL SPECIAL	GUARDRAIL MARKERS TYPE A	TERMINAL MARKER DIRECT APPLIED
FAS 680 CH 4	63000003	63100167	63100087	X6310188	63100075	63300725	63200310	X6320100	78200410	78201000
	FOOT	EACH	EACH	EACH	EACH	FOOT	FOOT	FOOT	EACH	EACH
LT. STA 29+62 TO LT. STA 35+62	500	2					600		9	2
RT. STA 56+58.77 TO LT. STA 58+62.5	112.5	1	1				60		3	1
LT. STA 58+36.42 TO LT. STA 58+71.06				1			32		2	
LT. STA 58+79.72 TO LT. STA 60+82.67	112.5	1	1				50		2	1
RT. STA 58+76.44 TO LT. STA 59+92.19	25	1	1				30		2	1
LT. STA 99+94.95 TO LT. STA 103+38.30							343			
RT. STA 100+15.49 TO RT. STA 103+50+45							335	350		
RT. STA 100+26.35 TO RT. STA 103+52.10	262.5	1			1				4	1
LT. STA 102+13.09 TO LT. STA 103+38.85	62.5	1			1				5	1
LT. STA 105+13.29 TO LT. STA 107+39.04	162.5	1			1				4	1
RT. STA 105+26.55 TO RT. STA 106+64.80	75	1			1				3	1
LT. STA 105+15.02 TO LT. STA 107+54.54							250			
RT. STA 105+26.88 TO RT. STA 107+28.48							202			
LT. STA 132+77.00 TO LT. STA 133+80.08							103			
RT. STA 133+43.60 TO RT. STA 134+08.05							64			
LT. STA 131+66.23 TO LT. STA 133+10.12	50	1	1							1
LT. STA 133+26.57 TO RT. STA 134+04.5	25		1			25				
RT. STA 133+41 TO RT. STA 133+52.52				1						
RT. STA 133+77.06 TO RT. STA 134+39	12.5		1			25				
TOTAL	1,400	10	6	2	4	50	2,069	350	34	10

28000305 TEMPORARY DITCH CHECKS	
LOCATION	FOOT
FAS 680 CH 4	
RT. STA 58+50	11
LT. STA 58+60	11
LT. STA 91+55	11
LT. STA 91+55	11
LT. STA 102+85	11
TOTAL	55

28000400 PERIMETER EROSION BARRIER	
LOCATION	FOOT
FAS 680 CH 4	
RT. STA 17+50 TO RT. STA 22+50	450
RT. STA 47+00 TO RT. STA 54+20	720
RT. STA 55+00 TO RT. STA 58+60	360
LT. STA 84+50 TO LT. STA 86+00	150
LT. STA 178+00 TO LT. STA 187+00	900
RT. STA 172+25 TO RT. STA 174+50	225
TOTAL	2805

28000500 INLET AND PIPE PROTECTION	
LOCATION	EACH
FAS 680 CH 4	
RT. STA 6+52	1
RT. STA 22+25	1
RT. STA 54+10	1
RT. STA 58+50	1
LT. STA 58+60	1
LT. STA 99+40	1
TOTAL	6

CULVERT SCHEDULE										
LOC STATION	EXIST SIZE	PIPE CULVERTS					END SECTIONS			
		CLASS D					RCCP FLARED		STEEL	
		TYPE 1 (C.S.C.P.)			EQRS		24"	42"	18"	
		12"	15"	18"	24"	42"				
		542D0217	542D0220	542D0223	542D0229	542D5497	54213669	54213687	54213873	
		FOOT	FOOT	FOOT	FOOT	FOOT	EACH	EACH	EACH	
MAINLINE PIPES										
RT STA 25+08.95	AR 15" CMP									1
LT STA 62+33.77	AR 42" CONC							1		
RT STA 62+33.77	AR 42" CONC							1		
RT STA 66+03.72	AR 24" CONC						1			
LT STA 171+91.75	AR 2-24" CONC						2			
RT STA 171+91.75	AR 2-24" CONC						2			
ENTRANCE PIPES										
RT STA 6+06	12" CMP	28								
RT STA 14+16	12" CMP	20								
LT STA 35+93	24" CMP				24					
RT STA 44+23	15" CMP		30							
LT STA 58+19	24" CMP				6					
LT STA 99+67.50	18" CMP			44						
LT STA 134+26	50" X 31" CMP ARCH					6				
TOTAL		48	30	44	30	6	5	2	1	

PLOT DATE: 1/19/2002 FILE NAME: I10338-rt-sched.tbl.dgn



**EDGAR COUNTY
HIGHWAY DEPARTMENT**

ROADWAY SCHEDULE															
LOCATION	SUBBASE GRANULAR MATERIAL TYPE C	HOT-MIX ASPHALT BASE COURSE WIDENING 6"	AGGREGATE SURFACE COURSE TYPE B	BITUMINOUS MATERIAL (PRIME COAT)	AGGREGATE PRIME COAT	LEVELING BINDER (MACHINE METHOD) N50	LEVELING BINDER (MACHINE METHOD) N50 (SPECIAL)	HOT-MIX ASPHALT SURFACE REMOVAL BUTT-JOINT	TEMPORARY RAMP	HOT-MIX ASPHALT SURFACE COURSE MIX C, N50	BITUMINOUS MATERIAL PRIME COAT	INCIDENTAL HOT-MIX ASPHALT SURFACING	HOT-MIX ASPHALT SHOULDERS	HOT-MIX ASPHALT SHOULDERS 4.5"	HOT-MIX ASPHALT SHOULDERS 6"
	31101900	35600700	40200800	40600100	40600300	40600625	X4060605	40600982	40600990	40603310	40800010	44000100	48203100	48203015	48203021
	TON	SQ YD	TON	GAL	TON	TON	TON	SQ YD	SQ YD	TON	GAL	SQ YD	TON	SQ YD	SQ YD
FAS 680 CH4															
CL STA0+00 TO CL 103+45.47	122	212		3,336	44	1,627	841	176	35	2,030			1,078	5,400	1,429
CL 105+19.92 TO CL 187+38.79	57	39		2,648	36	1,293	386	138	35	1,610			1,022	4,517	898
SIDE ROADS											46	48			
ENTRANCES			415								142	167			
TOTAL	179	251	415	5,984	80	2,920	1,227	314	70	3,640	188	215	2,100	9,917	2,327

BITUMINOUS MATERIALS (PRIME COAT) 40600100 QUANTITY INCLUDES SEAL COAT REQUIRED FOR CENTERLINE-RUMBLE STRIP, 8" AND SHOULDER RUMBLE STRIP, 8"

EARTHWORK SUMMARY							
LOCATION	EARTH EXCAVATION	FROM EXC & GRADE SHLDS	SHRINKAGE FACTOR	% USED	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (25%)	EMBANKMENT REQUIRED	EARTHWORK BALANCE WASTE (+) OR SHORT AGE (-)
	CUBIC YARD	CUBIC YARD			CUBIC YARD	CUBIC YARD	CUBIC YARD
FAS 680 CH4							
CL STA0+00 TO CL 103+45.47	181	811	25.00%	100.00%	744	2,197	-1,453
CL 105+19.92 TO CL 187+38.79	34	651	25.00%	100.00%	514	691	-177
SIDE ROADS			25.00%	100.00%	0		0
ENTRANCES			25.00%	100.00%	0		0
CHANNEL EXCAVATION			25.00%	100.00%	0		0
	215	1,462			1,258	2,888	-1,630

20400800 FURNISHED EXCAVATION = 1,630 CU.YD.

PLOT DATE 12/1/2012 FILE NAME = 110030-plt-sched1.ecd.dgn



**EDGAR COUNTY
HIGHWAY DEPARTMENT**

PAINT PAVEMENT MARKING SCHEDULE			
LOCATION	PAINT PAVEMENT MARKING		
	PERMANENT		
	4" SINGLE WHITE EDGE LINE	4" SINGLE YELLOW CENTERLINE	4" SKIPPED DASHED YELLOW CENTERLINE
	78001110 FOOT	78001110 FOOT	78001110 FOOT
FAS 680/CH4			
LCL STA 0+00 TO LCL STA 127+80		12782	
RCL STA 0+00 TO RCL STA 118+00		11800	
12 LT. STA 0+00 TO 12 LT. STA 10+80	1080		
12 RT. STA 0+00 TO 12 RT. STA 99+50	9950		
12 LT. STA 11+60 TO 12 LT. STA 37+00	2540		
12 LT. STA 37+70 TO 12 LT. STA 118+80	8110		
12 RT. STA 100+20 TO 12 RT. STA 156+23	5603		
CL. STA 118+00 TO CL. STA 154+00			900
12 LT. STA 119+70 TO 12 LT. STA 187+38.79	6769		
RCL STA 143+00 TO RCL STA 177+00		3400	
LCL STA 154+00 TO LCL STA 187+38.79		3339	
12 RT. STA 156+80 TO 12 RT. STA 186+77	2997		
CL. STA 177+00 TO CL. STA 187+38.79			260
SUBTOTAL	37049	31321	1160
TOTAL		69530	

78100100 RAISED REFLECTIVE PAVEMENT MARKER		
LOCATION	SPACING	EACH
FAS 680/CH4		
STA 0+00 TO STA 12+00	80' CENTERS	16
STA 12+00 TO STA 48+00	40' CENTERS	90
STA 48+00 TO STA 83+00	80' CENTERS	44
STA 83+00 TO STA 103+40	40' CENTERS	51
STA 103+40 TO STA 158+00	80' CENTERS	69
STA 158+00 TO STA 173+00	40' CENTERS	38
STA 173+00 TO STA 187+38.79	80' CENTERS	18
TOTAL		326

SIDEROAD AND ENTRANCE SCHEDULE									
STATION	LOC	WIDTH	TYPE	LENGTH	WIDTH	RADIUS	INCIDENTAL	BITUMINOUS	AGGREGATE
							HOT-MIX ASPHALT SURFACING	MATERIALS (PRIME COAT)	SURFACE COURSE
				FOOT	FOOT	FOOT	40800050 TON	40800010 GALLON	40200800 TYPE B 6" TON
4+47.00	RT	14	FE	NO PIPE	7	14			5.6
6+06.00	RT	9	PEMB	12"X30' CMP	7	26	4.6	4	0.5
7+21.30	LT	11	FE	NO PIPE	7	12			5
14+16.40	RT	12	PEMB	12"X40' CMP	7	26	4.6	4	0.5
15+10.50	LT	14	PE	12"X39' CMP	7	22	20.1	16	
17+18.40	RT	13	FE	12"X29' CMP	7	13			5.3
18+13.00	LT	16	PE	NO PIPE	15	16	14.8	12	4.9
23+07.50	RT	9	PE	NO PIPE	7	12	11.3	9	
25+40.00	RT		MB		7		1.9	2	0.6
26+49.50	LT	12	FE	NO PIPE	7	25			8.5
26+50.80	RT	10	PE	12"X35' CMP	7	15	13.9	11	
35+92.60	LT	13	PEMB	24"X60' CMP	35	22	4.1	3	23.9
44+22.55	RT	19	PEMB	15"X30' CMP	7	22	4.1	3	0.5
54+47.50	RT	12	FE	24"X36' CMP	7	12			5
58+19.20	LT	19	FE	24"X36' CMP	7	20			7.2
61+58.50	LT	14	FE	NO PIPE	7	12			5
61+58.50	RT	11	PEMB	NO PIPE	12	18	3.7	3	3.9
67+27.00	RT	8	FE	15"X32' CMP	7	20			7.2
74+37.70	RT	15	FE	NO PIPE	10	12			6.4
79+68.00	RT	15	FE	15"X40' CMP	7	26			8.8
82+42.70	LT	14	FE	NO PIPE	20	14			12.5
82+59.80	RT	15	CEMB	NO PIPE	7	36	5.5	4	0.5
87+71.90	LT	12	FE	NO PIPE	10	12			6.4
87+80.50	RT	10	FE	NO PIPE	10	10			5.7
99+67.50	LT	10	FE	18"X42' CMP	50	12			24.6
110+17.39	LT	15	FE	15"X30' CMP	20	15			13.2
111+56.83	LT	17	CE	15"X34' CMP	20	27	24.5	19	13.3
112+66.10	LT	24	PEMB	NO PIPE	7	70	8.8	7	0.5
118+71.45	LT	14	FE	12"X28' CMP	7	14			5.6
119+76.80	RT	15	FE	12"X28' CMP	7	14			5.6
122+75.00	LT	24	FE	6' X4' X21' BOX CULVERT	7	24			40
133+27.20	RT	24	FE	24"X49' CMP	20	24			40
134+26.00	LT	32	FE	50"X31"X40' ARCH CMP	10	32			48.9
134+61.55	RT	24	FE	24"X28' CMP	10	24			38.6
144+93.30	RT	17	FE	15"X28' CMP	15	17			11.5
152+30.90	RT	19	FE	15"X28' CMP	7	19			6.9
152+37.10	LT	13	FE	15"X28' CMP	10	13			6.8
157+86.00	RT	12	FE	15"X29' CMP	10	12			6.4
160+38.30	RT	13	PE	18"X46' CMP	7	22	20.1	16	
160+44.57	LT		MB		7		1.9	2	0.5
165+50.50	RT	18	FE	NO PIPE	10	18			8.7
167+81.80	RT	15	FE	15"X42' CMP	10	15			7.6
168+33.00	LT	13	FE	NO PIPE	7	13			5.3
174+51.50	LT	16	PE	15"X24' CMP	7	17	15.7	12	
175+26.00	LT	15	PEMB	NO PIPE	7	42	6.1	5	0.5
175+33.50	RT	12	FE	NO PIPE	7	12			5
187+30.70	LT	15	PE	4' @48"X87' CMP					
SUBTOTAL ENTRANCES							165.7	132	413.4
SUBTOTAL ENTRANCES USE							167	142	415
SIDEROAD									
11+15.76 TR 294	LT	14	SR O&C	NO PIPE		50 & 25	9.7	8	
37+29.02 TR 345	LT	13	SR AGG	NO PIPE		40 & 30	7.6	6	
99+76 TR 377	RT	14	SR AGG	43"X27"X50' ARCH CMP		50 & 35	11.7	9	
119+34.68 TR 320	LT	18	SR O&C	NO PIPE		25 & 55	12.4	10	
156+59.10 TR 316	RT	12	SR AGG	18"X28' CMP		25 & 35	6.8	5	
SUBTOTAL SIDEROADS							48.2	38	0
SUBTOTAL SIDEROADS USE							48	46	0
TOTALS							213.9	188	413.4
TOTALS USE							215	188	415

70300100 SHORT-TERM PAVEMENT MARKING	
LOCATION	FOOT
FAS 680 CH4	
3 APPLICATIONS	
CL. STA 0+00 TO CL. STA 103+45.57	2,821
CL. STA 105+19.92 TO CL. STA 187+38.79	2,241
TOTAL	5,062

X0326697 CENTER LINE - RUMBLE STRIP - 8"	
LOCATION	FOOT
FAS 680 CH4	
CL. STA 0+00 TO CL. STA 103+45.57	10,345
CL. STA 105+19.92 TO CL. STA 119+64.99 BK	1,445
CL. STA 119+63.42 AH TO CL. STA 187+38.79	6,775
TOTAL	18,565

64200108 SHOULDER RUMBLE STRIPS, 8 INCH	
LOCATION	FOOT
FAS 680 CH4	
LT. STA 0+00 TO LT. STA 103+40	7,889
RT. STA 0+00 TO RT. STA 103+50	7,722
LT. STA 105+15 TO LT. STA 187+00	6,068
RT. STA 105+20 TO RT. STA 186+77	6,195
TOTAL	27,874

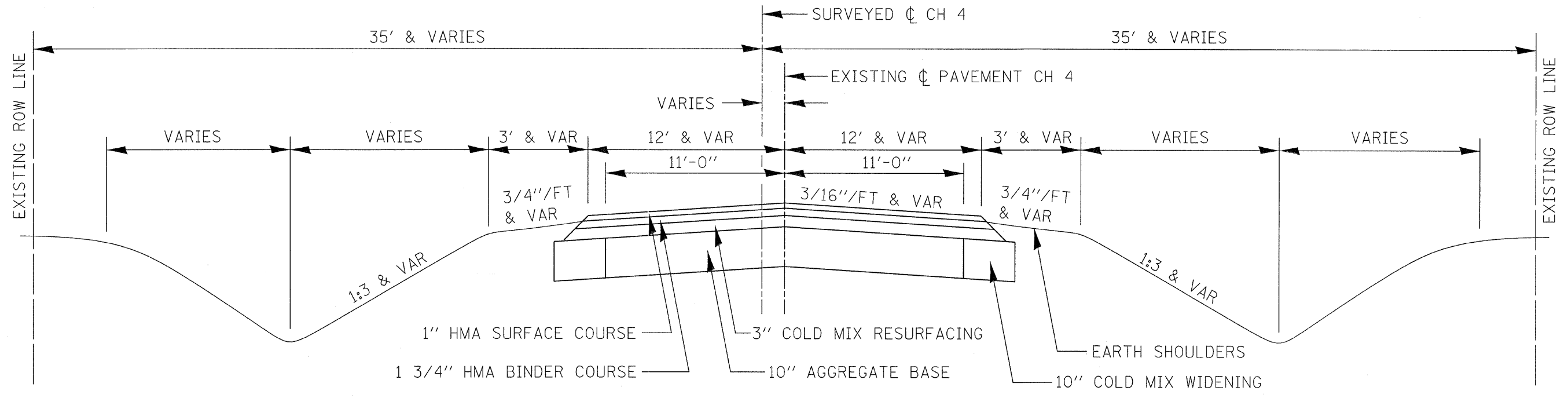
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**EDGAR COUNTY
HIGHWAY DEPARTMENT**

EXISTING TYPICAL CROSS SECTIONS

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 680 (CH 4)	10-00101-00-SP	EDGAR	132	8
ILLINOIS CONTRACT NO. 91467				

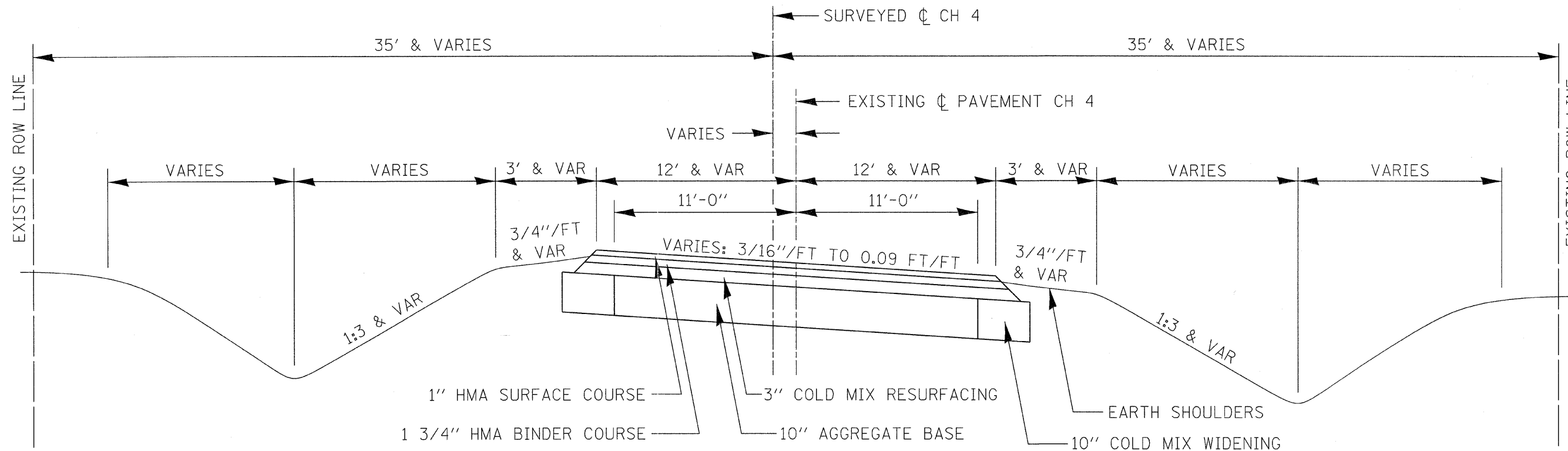


- STATION 0+00.00 TO STATION 4+58.78
- STATION 20+41.22 TO STATION 22+91.54
- STATION 48+36.74 TO STATION 52+52.19
- STATION 58+56.44 TO STATION 59+51.43
- STATION 68+05.59 TO STATION 68+52.47
- STATION 76+99.46 TO STATION 83+56.12
- STATION 92+19.12 TO STATION 92+93.14
- STATION 107+15.36 TO STATION 109+70.55
- STATION 121+20.17 TO STATION 148+86.42
- STATION 157+87.72 TO STATION 158+16.37
- STATION 179+64.69 TO STATION 187+38.79

PLOT DATE: 1/19/2012 FILE NAME: 110330-sh-t-typical.dgn

EXISTING TYPICAL CROSS SECTIONS

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 680 (CH 4)	10-00101-00-SP	EDGAR	132	9
ILLINOIS CONTRACT NO. 91467				



- STATION 4+58.78 TO STATION 20+41.22
- STATION 22+91.54 TO STATION 48+36.74
- STATION 52+52.19 TO STATION 58+56.44
- STATION 59+51.43 TO STATION 68+05.59
- STATION 68+52.47 TO STATION 76+99.46
- STATION 83+56.12 TO STATION 92+19.12
- STATION 92+93.14 TO STATION 101+40.72
- STATION 109+70.55 TO STATION 121+20.17 *
- STATION 148+86.42 TO STATION 157+87.72
- STATION 158+16.37 TO STATION 179+64.69

* STATION EQUATION:
 STA. 119+64.99 BK = STA. 119+63.42 AH

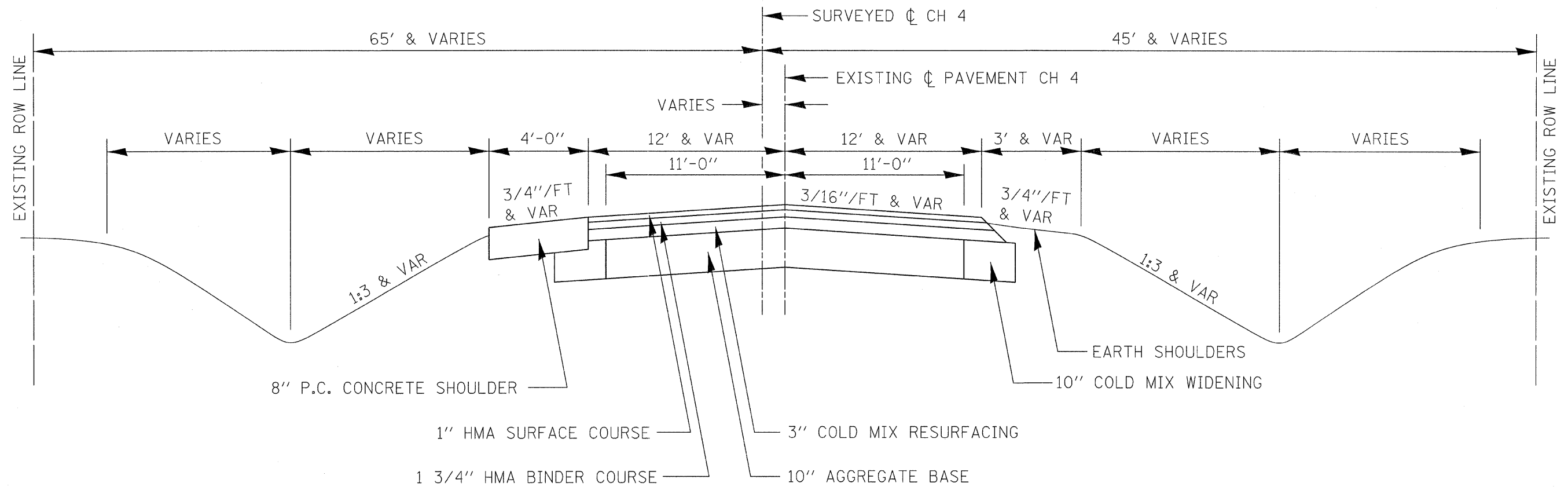
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**EDGAR COUNTY
 HIGHWAY DEPARTMENT**

EXISTING TYPICAL CROSS SECTIONS

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 680 (CH 4)	10-00101-00-SP	EDGAR	132	10
ILLINOIS CONTRACT NO. 91467				



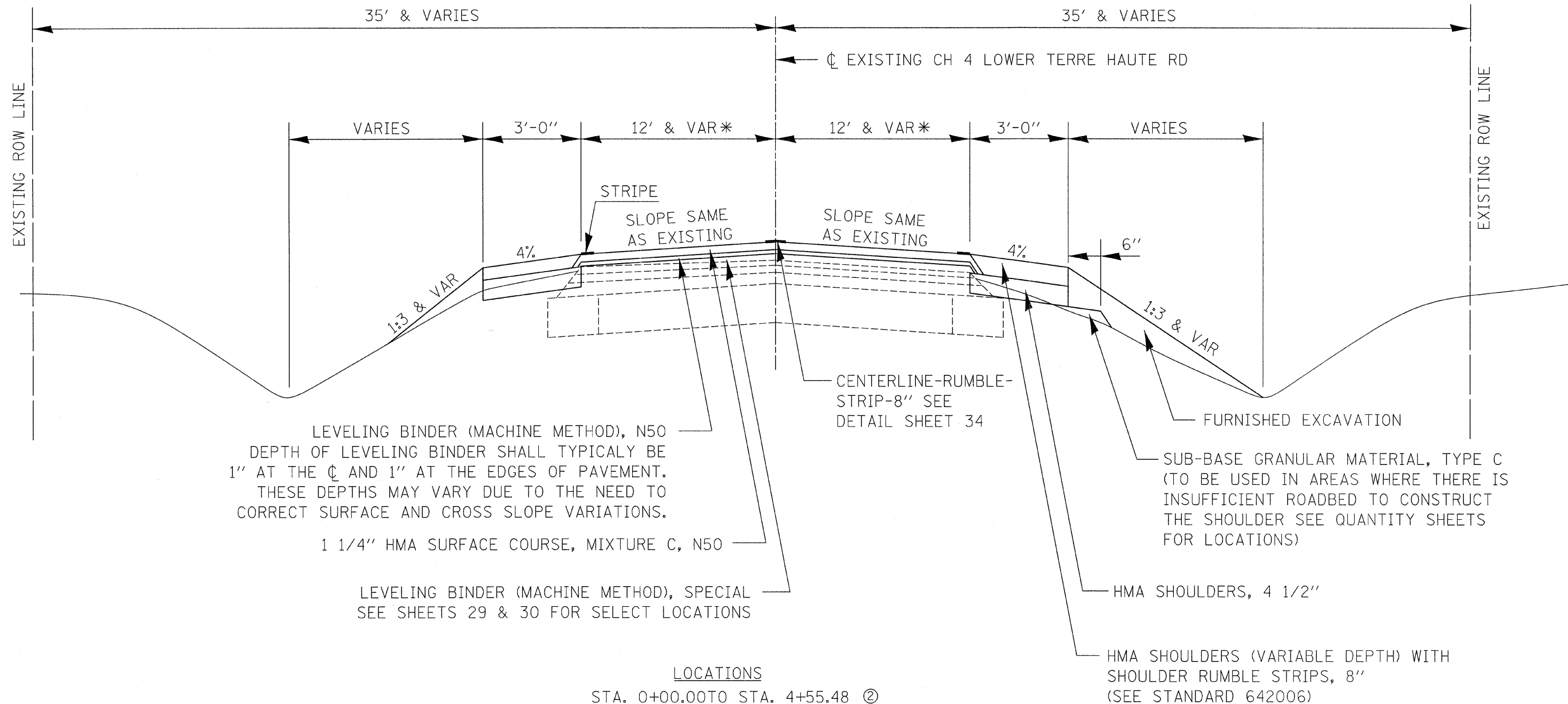
STATION 101+40.72 TO STATION 103+45.47 *
 * STATION 105+19.92 TO STATION 107+15.36

* = OMISSION FROM STA. 103+45.47 TO STA. 105+19.92.

PLOT DATE : 1/19/2012 FILE NAME = 110330-shr-typicals.dgn

PROPOSED TYPICAL CROSS SECTIONS ①

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 680 (CH 4)	10-00101-00-SP	EDGAR	132	11
ILLINOIS CONTRACT NO. 91467				



LEVELING BINDER (MACHINE METHOD), N50
 DEPTH OF LEVELING BINDER SHALL TYPICALLY BE
 1" AT THE ϕ AND 1" AT THE EDGES OF PAVEMENT.
 THESE DEPTHS MAY VARY DUE TO THE NEED TO
 CORRECT SURFACE AND CROSS SLOPE VARIATIONS.

1 1/4" HMA SURFACE COURSE, MIXTURE C, N50

LEVELING BINDER (MACHINE METHOD), SPECIAL
 SEE SHEETS 29 & 30 FOR SELECT LOCATIONS

LOCATIONS

- ② STA. 0+00.00 TO STA. 4+55.48
- ② STA. 20+37.72 TO STA. 22+89.79
- ② STA. 48+38.49 TO STA. 52+49.72
- ② STA. 58+58.94 TO STA. 59+57.97
- ② STA. 67+99.09 TO STA. 68+50.03
- ② STA. 77+01.96 TO STA. 81+00.00
- ② STA. 121+23.17 TO STA. 148+83.95
- ② STA. 157+90.19 TO STA. 158+35.62
- ② STA. 179+67.19 TO STA. 187+38.79

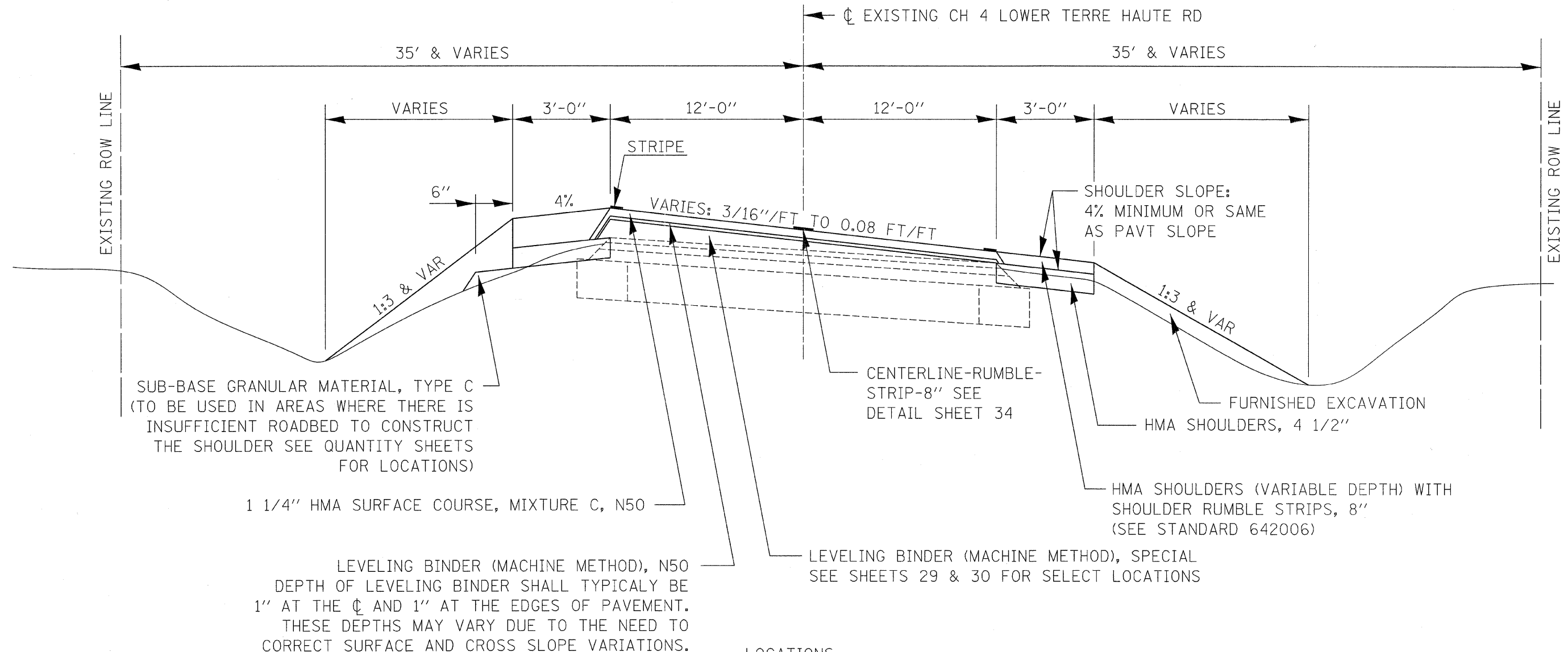
* PAVEMENT WIDTH SHALL BE 12'-0"
 EXCEPT FROM STATION 0+00 TO
 STATION 0+75.36. THIS PAVEMENT
 TRANSITIONS FROM 15' TO 12'

① REFERS TO A SPECIFIC PROPOSED TYPICAL SECTION

PLOT DATE : 1/19/2012 FILE NAME = 110330-sht-typical.s.dgn

PROPOSED TYPICAL CROSS SECTIONS ②

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 680 (CH 4)	10-00101-00-SP	EDGAR	132	12
ILLINOIS CONTRACT NO. 91467				



SUB-BASE GRANULAR MATERIAL, TYPE C
(TO BE USED IN AREAS WHERE THERE IS
INSUFFICIENT ROADBED TO CONSTRUCT
THE SHOULDER SEE QUANTITY SHEETS
FOR LOCATIONS)

1 1/4" HMA SURFACE COURSE, MIXTURE C, N50

LEVELING BINDER (MACHINE METHOD), N50
DEPTH OF LEVELING BINDER SHALL TYPICALLY BE
1" AT THE ϕ AND 1" AT THE EDGES OF PAVEMENT.
THESE DEPTHS MAY VARY DUE TO THE NEED TO
CORRECT SURFACE AND CROSS SLOPE VARIATIONS.

LEVELING BINDER (MACHINE METHOD), SPECIAL
SEE SHEETS 29 & 30 FOR SELECT LOCATIONS

LOCATIONS

- ① STA. 4+55.48 TO STA. 20+37.72①
- ① STA. 22+89.79 TO STA. 48+38.49①
- ① STA. 52+49.72 TO STA. 58+58.94①
- ① STA. 59+57.97 TO STA. 67+99.09①
- ① STA. 68+50.03 TO STA. 77+01.96①
- * ⑤ STA. 119+63.42 AH TO STA. 121+23.17①
- ① STA. 148+83.95 TO STA. 157+90.19①
- ① STA. 158+35.62 TO STA. 179+67.19①

* - STATION EQUATION 119+64.99 BK = STA. 116+63.42 AH

② REFERS TO A SPECIFIC PROPOSED TYPICAL SECTION

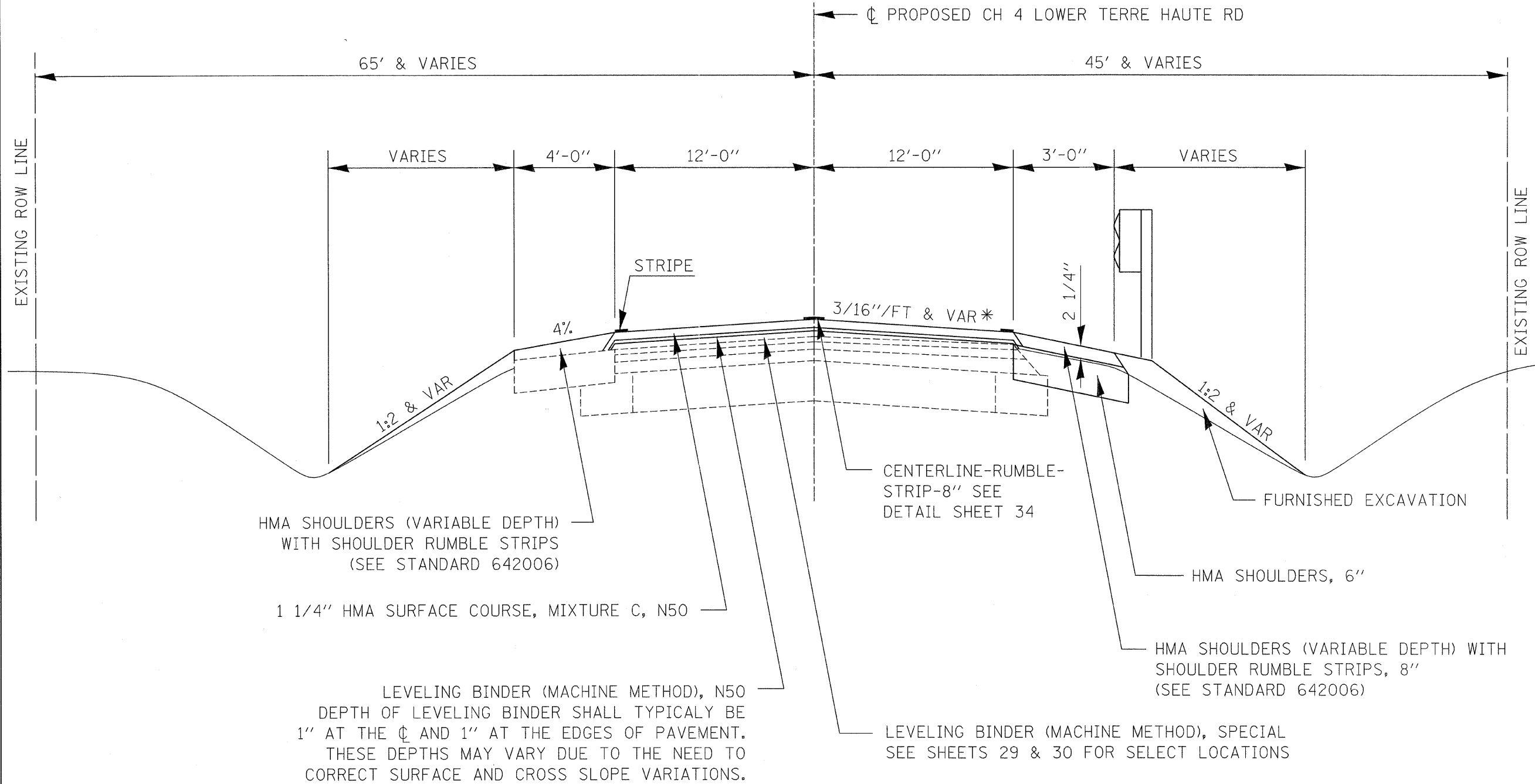
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**EDGAR COUNTY
HIGHWAY DEPARTMENT**

PROPOSED TYPICAL CROSS SECTIONS ③

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 680 (CH 4)	10-00101-00-SP	EDGAR	132	13
ILLINOIS CONTRACT NO. 91467				



* PAVEMENT CROSS SLOPE VARIES FROM STATION 101+40.72 TO STATION 103+45.47 DUE TO SUPER ELEVATION TRANSITION

LOCATIONS

⑤ STA. 101+40.72 TO STA. 103+45.47 **
 ** STA. 105+19.92 TO STA. 107+15.36 ④

** - OMISSION STA. 103+45.47 TO STA. 105+19.92

③ REFERS TO A SPECIFIC PROPOSED TYPICAL SECTION

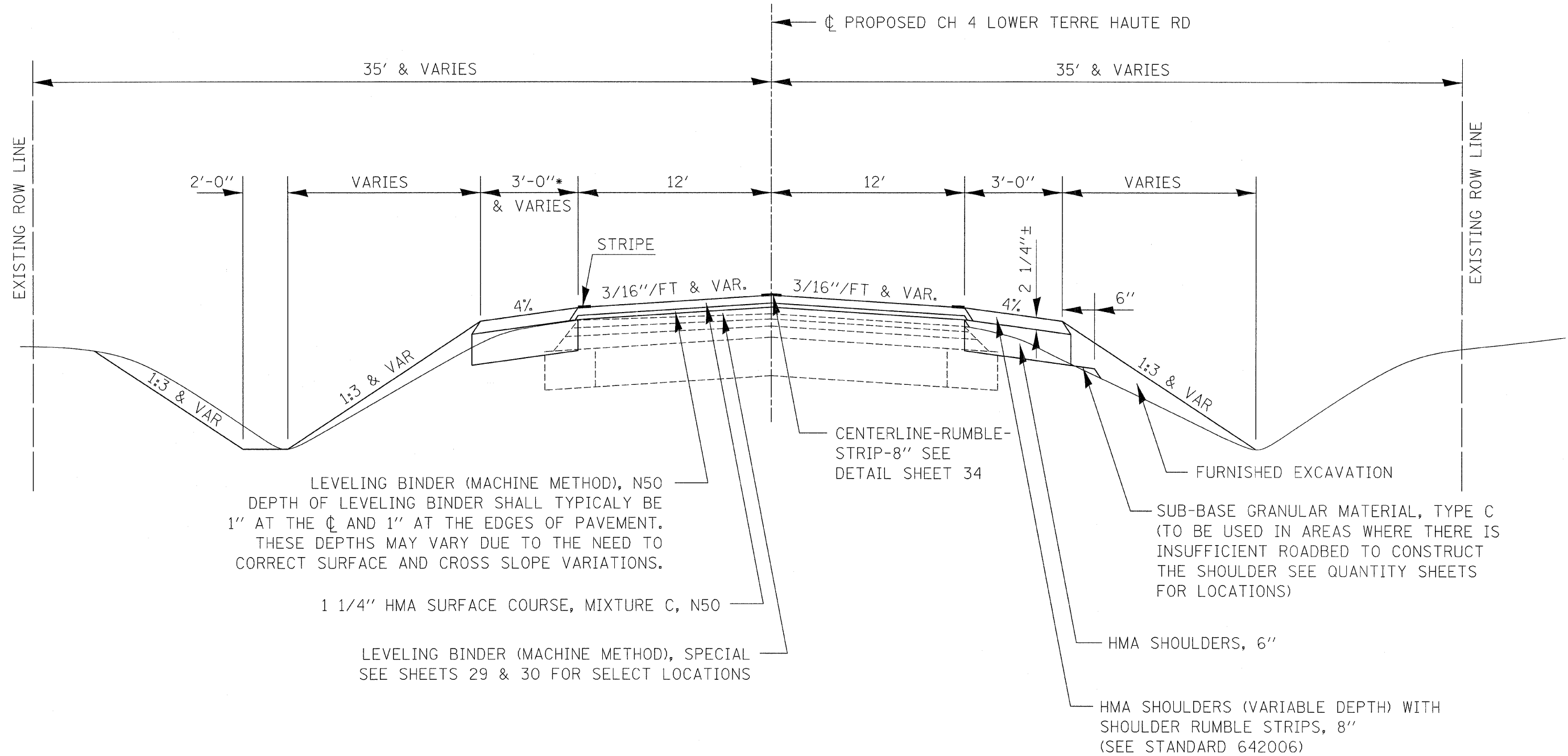
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**EDGAR COUNTY
HIGHWAY DEPARTMENT**

PROPOSED TYPICAL CROSS SECTIONS ④

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 680 (CH 4)	10-00101-00-SP	EDGAR	132	14
ILLINOIS CONTRACT NO. 91467				



LEVELING BINDER (MACHINE METHOD), N50
 DEPTH OF LEVELING BINDER SHALL TYPICALLY BE
 1" AT THE \O AND 1" AT THE EDGES OF PAVEMENT.
 THESE DEPTHS MAY VARY DUE TO THE NEED TO
 CORRECT SURFACE AND CROSS SLOPE VARIATIONS.

1 1/4" HMA SURFACE COURSE, MIXTURE C, N50

LEVELING BINDER (MACHINE METHOD), SPECIAL
 SEE SHEETS 29 & 30 FOR SELECT LOCATIONS

CENTERLINE-RUMBLE-
 STRIP-8" SEE
 DETAIL SHEET 34

SUB-BASE GRANULAR MATERIAL, TYPE C
 (TO BE USED IN AREAS WHERE THERE IS
 INSUFFICIENT ROADBED TO CONSTRUCT
 THE SHOULDER SEE QUANTITY SHEETS
 FOR LOCATIONS)

HMA SHOULDERS, 6"

HMA SHOULDERS (VARIABLE DEPTH) WITH
 SHOULDER RUMBLE STRIPS, 8"
 (SEE STANDARD 642006)

LOCATIONS

- ② STA. 81+00.00 TO STA. 83+54.37 ⑤
- ⑤ STA. 92+20.87 TO STA. 92+91.39 ⑤
- ③ STA. 107+15.36 TO STA. 109+68.30 ⑤

*-FROM LT. STA. 107+15.36 TO LT. STA. 107+39.04
 SHOULDER IS 4'-0" TO ACCOMODATE PROPOSED
 GUARDRAIL. FROM LT. STA. 107+39.04
 TO LT. STA. 108+00.00 SHOULDER TRANSITIONS
 FROM 4' TO 3'.

④ REFERS TO A SPECIFIC PROPOSED TYPICAL SECTION

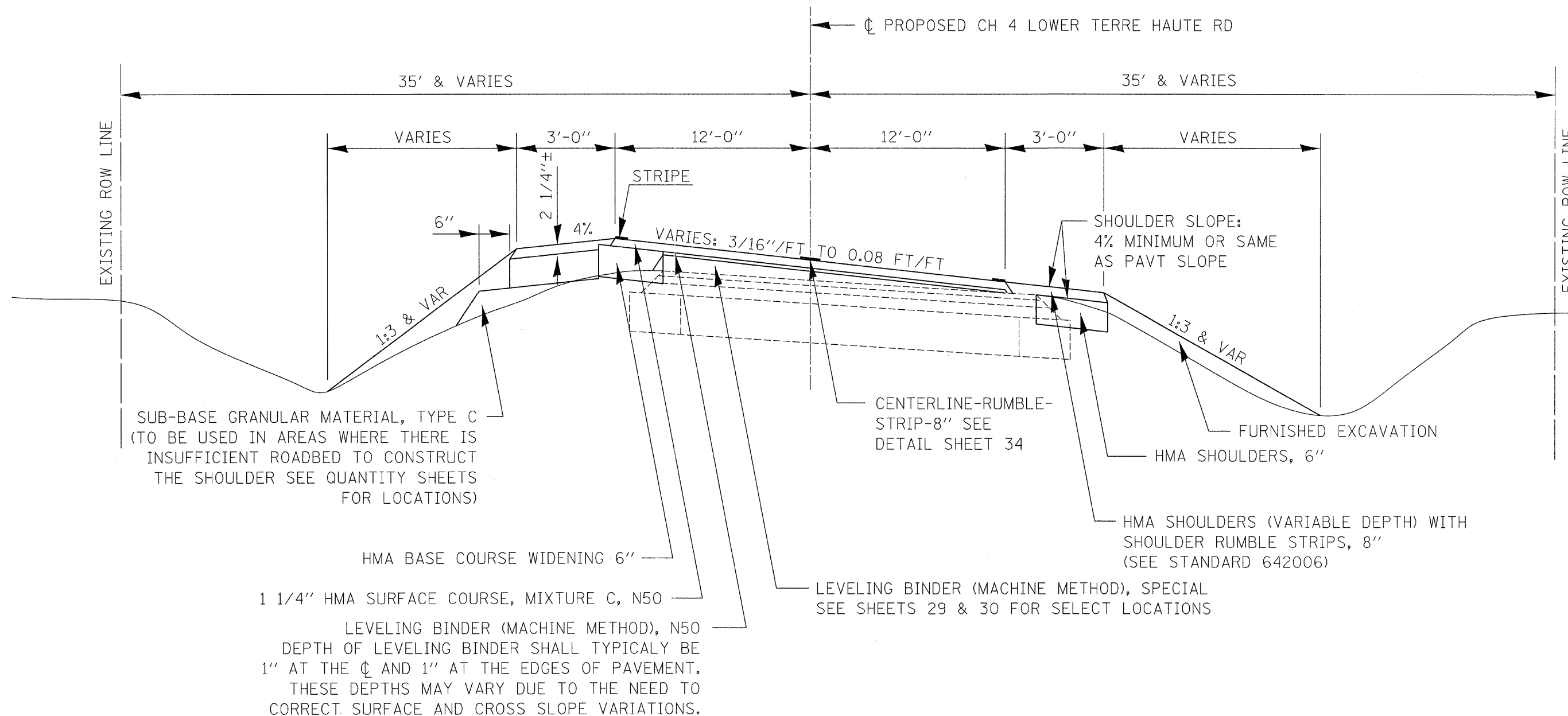
PLOT DATE : 1/19/2012 FILE NAME = 110330-sh-t-typicals.dgn



**EDGAR COUNTY
 HIGHWAY DEPARTMENT**

PROPOSED TYPICAL CROSS SECTIONS ⑤

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 680 (CH 4)	10-00101-00-SP	EDGAR	132	15
ILLINOIS CONTRACT NO. 91467				



SUB-BASE GRANULAR MATERIAL, TYPE C
(TO BE USED IN AREAS WHERE THERE IS
INSUFFICIENT ROADBED TO CONSTRUCT
THE SHOULDER SEE QUANTITY SHEETS
FOR LOCATIONS)

HMA BASE COURSE WIDENING 6"
1 1/4" HMA SURFACE COURSE, MIXTURE C, N50
LEVELING BINDER (MACHINE METHOD), N50
DEPTH OF LEVELING BINDER SHALL TYPICALLY BE
1" AT THE ϕ AND 1" AT THE EDGES OF PAVEMENT.
THESE DEPTHS MAY VARY DUE TO THE NEED TO
CORRECT SURFACE AND CROSS SLOPE VARIATIONS.

CENTERLINE-RUMBLE-
STRIP-8" SEE
DETAIL SHEET 34

SHOULDER SLOPE:
4% MINIMUM OR SAME
AS PAVT SLOPE

HMA SHOULDERS, 6"
HMA SHOULDERS (VARIABLE DEPTH) WITH
SHOULDER RUMBLE STRIPS, 8"
(SEE STANDARD 642006)

LOCATIONS

- ④ STA. 83+54.37 TO STA. 92+20.87 ④
- ④ STA. 92+91.39 TO STA. 101+40.72 ③
- ④ STA. 109+68.30 TO STA. EQ. 119+64.99 BK ②

⑤ REFERS TO A SPECIFIC PROPOSED TYPICAL SECTION

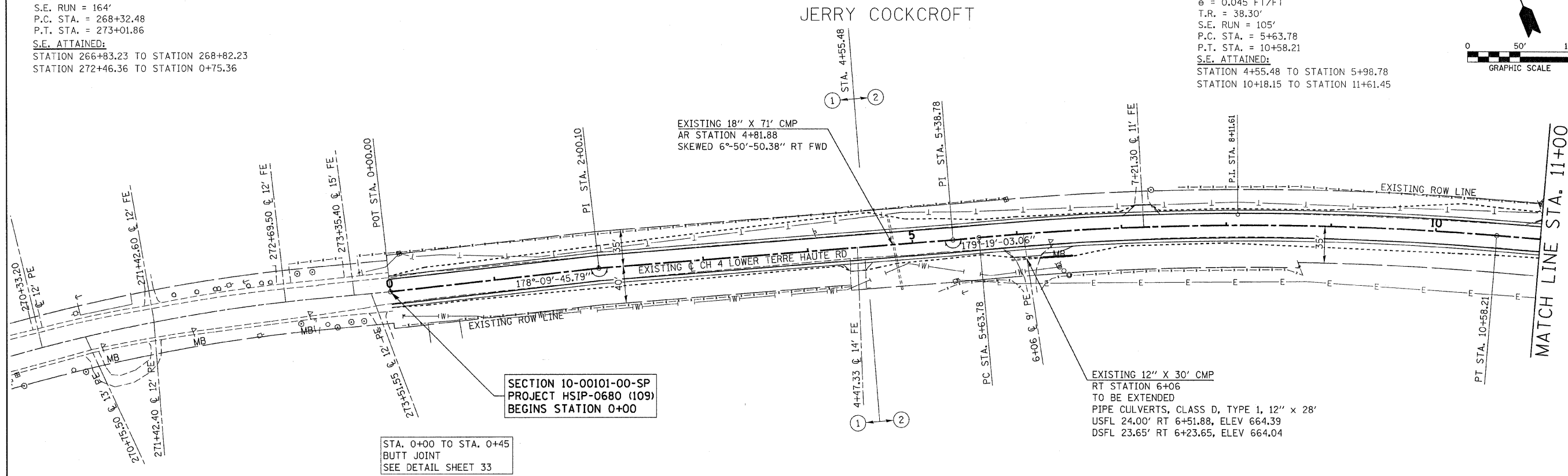
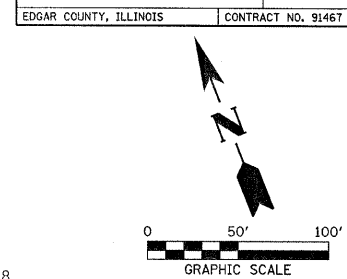
PLOT DATE : 1/19/2012 FILE NAME = 110330-sht-typical.ctb.dgn

SECTION 1, T.12N., R.11W., 2nd P.M.

EXIST. ϕ CURVE DATA
 PI STA. = 270+68.70
 Δ = 15° 58' 49" (RT)
 D = 3° 24' 17"
 R = 1,682.90'
 T = 236.22'
 L = 469.38'
 E = 16.50'
 e = 0.07 FT/FT
 T.R. = 35'
 S.E. RUN = 164'
 P.C. STA. = 268+32.48
 P.T. STA. = 273+01.86
 S.E. ATTAINED:
 STATION 266+83.23 TO STATION 268+82.23
 STATION 272+46.36 TO STATION 0+75.36

EXIST. ϕ CURVE DATA
 PI STA. = 8+11.61
 Δ = 9° 53' 20" (RT)
 D = 2° 00' 00"
 R = 2,864.73'
 T = 247.83'
 L = 494.43'
 E = 10.70'
 e = 0.045 FT/FT
 T.R. = 38.30'
 S.E. RUN = 105'
 P.C. STA. = 5+63.78
 P.T. STA. = 10+58.21
 S.E. ATTAINED:
 STATION 4+55.48 TO STATION 5+98.78
 STATION 10+18.15 TO STATION 11+61.45

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	16

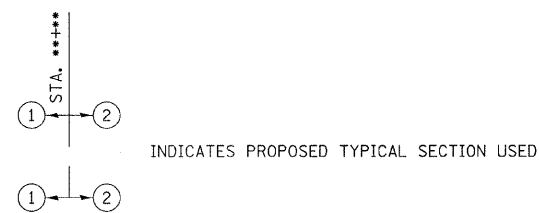


SECTION 10-00101-00-SP
 PROJECT HSIP-0680 (109)
 BEGINS STATION 0+00

STA. 0+00 TO STA. 0+45
 BUTT JOINT
 SEE DETAIL SHEET 33

EXISTING 12" X 30' CMP
 RT STATION 6+06
 TO BE EXTENDED
 PIPE CULVERTS, CLASS D, TYPE 1, 12" X 28'
 USFL 24.00' RT 6+51.88, ELEV 664.39
 DSFL 23.65' RT 6+23.65, ELEV 664.04

DARRIN GHER

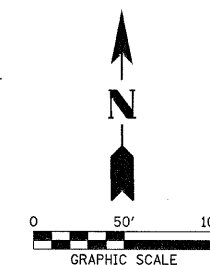


SECTION 1, T.12N., R.11W., 2nd P.M.

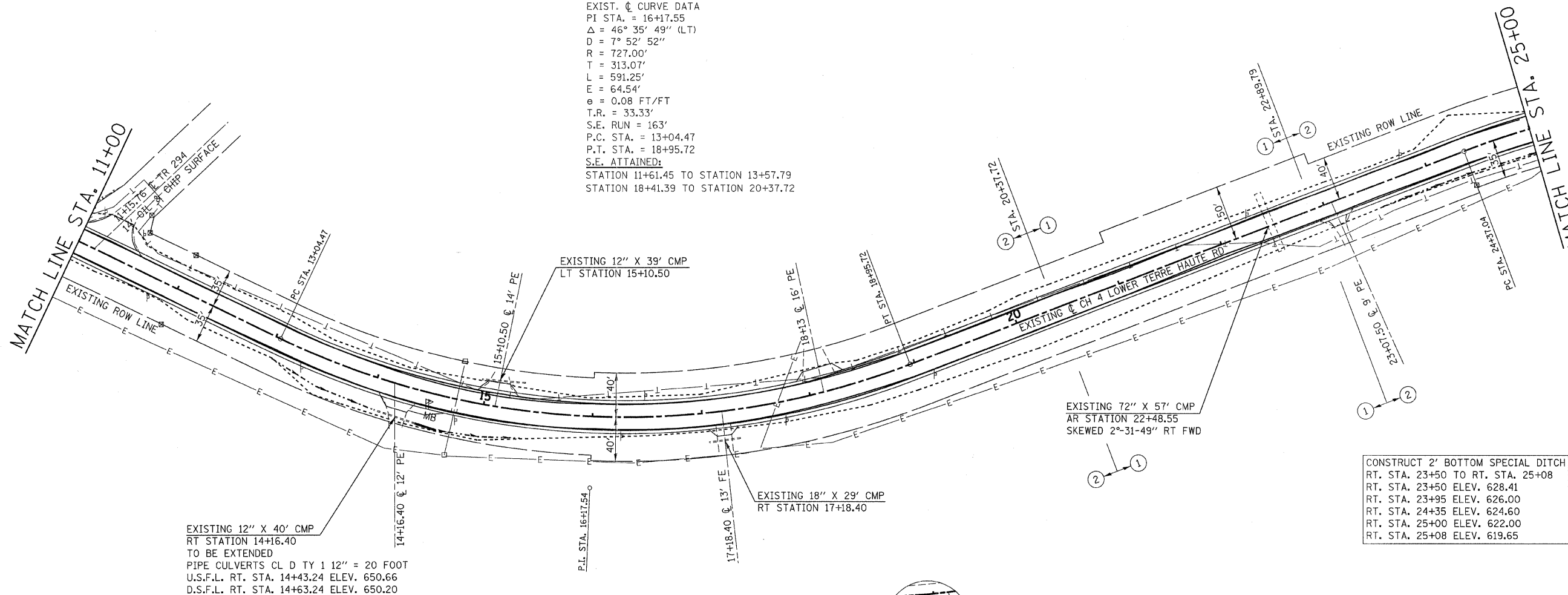
SECTION 6, T.12N., R.10W., 2nd P.M.

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	17
EDGAR COUNTY, ILLINOIS		CONTRACT NO. 91467		

DANNY & MONICA BURNELL

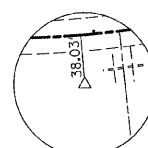


EXIST. ϕ CURVE DATA
 PI STA. = 16+17.55
 Δ = 46° 35' 49" (LT)
 D = 7° 52' 52"
 R = 727.00'
 T = 313.07'
 L = 591.25'
 E = 64.54'
 e = 0.08 FT/FT
 T.R. = 33.33'
 S.E. RUN = 163'
 P.C. STA. = 13+04.47
 P.T. STA. = 18+95.72
 S.E. ATTAINED:
 STATION 11+61.45 TO STATION 13+57.79
 STATION 18+41.39 TO STATION 20+37.72



CONSTRUCT 2' BOTTOM SPECIAL DITCH
 RT. STA. 13+00 TO RT. STA. 14+05
 RT. STA. 13+00 ELEV. 654.80
 RT. STA. 13+50 ELEV. 653.60
 RT. STA. 14+05 ELEV. 651.04

CONSTRUCT 2' BOTTOM SPECIAL DITCH
 RT. STA. 14+63.24 TO RT. STA. 15+50
 RT. STA. 14+63.24 ELEV. 650.20
 RT. STA. 15+00 ELEV. 649.80
 RT. STA. 15+39 ELEV. 649.10



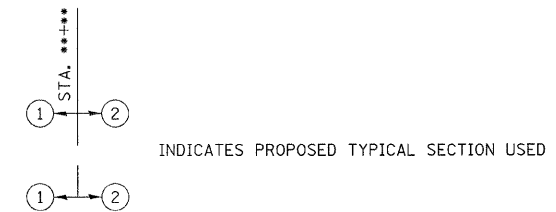
BM PT1005
 IRON ROD
 38.03' RT. STA. 17+04.36
 N = 1036661.373
 E = 1198125.623
 ELEV. 648.72

CONSTRUCT 2' BOTTOM SPECIAL DITCH
 RT. STA. 23+50 TO RT. STA. 25+08
 RT. STA. 23+50 ELEV. 628.41
 RT. STA. 23+95 ELEV. 626.00
 RT. STA. 24+35 ELEV. 624.60
 RT. STA. 25+00 ELEV. 622.00
 RT. STA. 25+08 ELEV. 619.65

DANNY & MONICA BURNELL

SECTION 1, T.12N., R.11W., 2nd P.M.

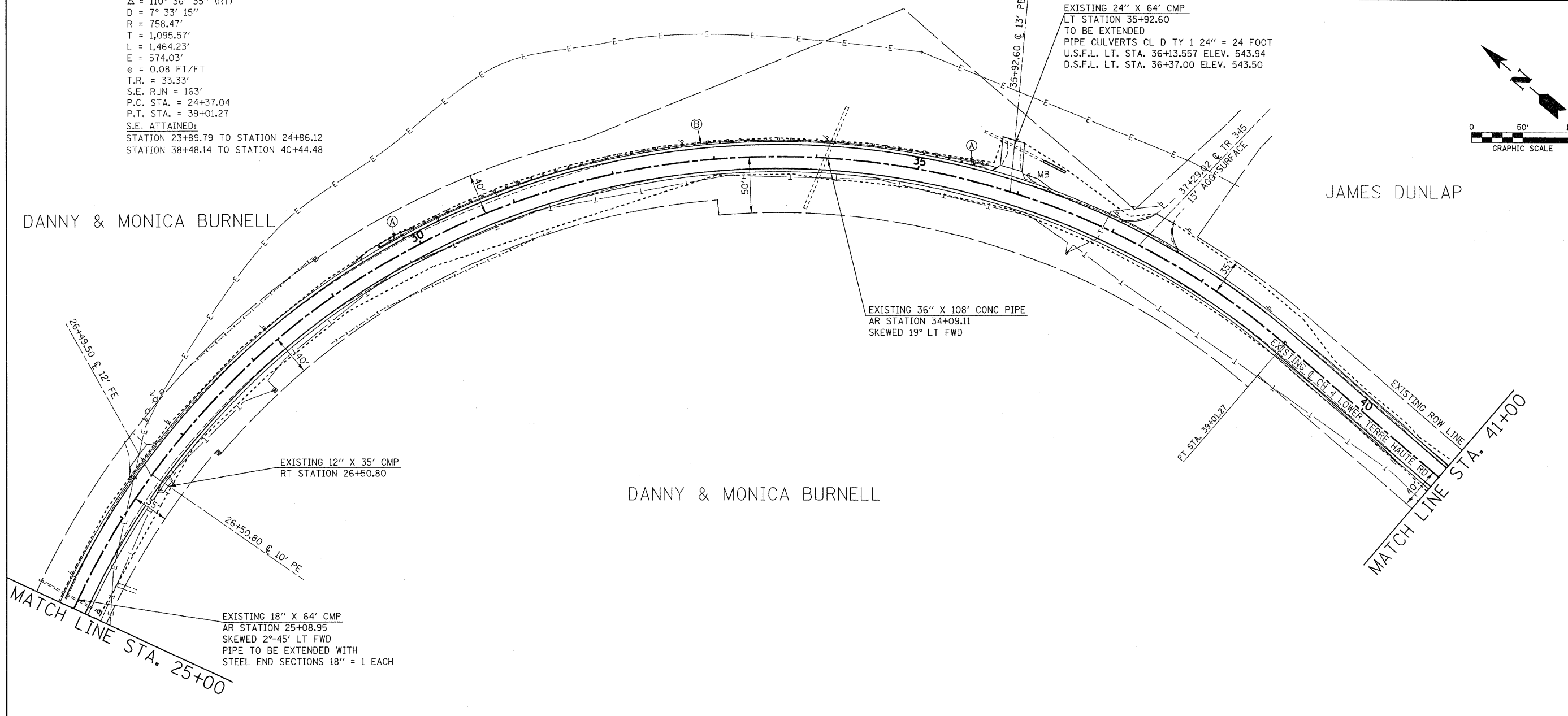
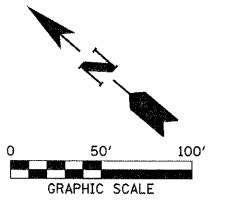
SECTION 6, T.12N., R.10W., 2nd P.M.



SECTION 6, T.12N., R.10W., 2nd P.M.

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	18
EDGAR COUNTY, ILLINOIS		CONTRACT NO. 91467		

EXIST. ϕ CURVE DATA
 PI STA. = 35+32.61
 $\Delta = 110^\circ 36' 35''$ (RT)
 $D = 7^\circ 33' 15''$
 $R = 758.47'$
 $T = 1,095.57'$
 $L = 1,464.23'$
 $E = 574.03'$
 $e = 0.08$ FT/FT
 $T.R. = 33.33'$
 $S.E. RUN = 163'$
 $P.C. STA. = 24+37.04$
 $P.T. STA. = 39+01.27$
S.E. ATTAINED:
 STATION 23+89.79 TO STATION 24+86.12
 STATION 38+48.14 TO STATION 40+44.48



MATCH LINE STA. 25+00

MATCH LINE STA. 41+00

- GUARDRAIL LEGEND**
- (A) TBT TYPE 1 (SP) TANGENT
 LT. STA. 29+62 TO LT. STA. 30+12
 LT. STA. 35+12 TO LT. STA. 35+62
 - (B) SPBGR TYPE A
 LT. STA. 30+12 TO LT. STA. 35+12

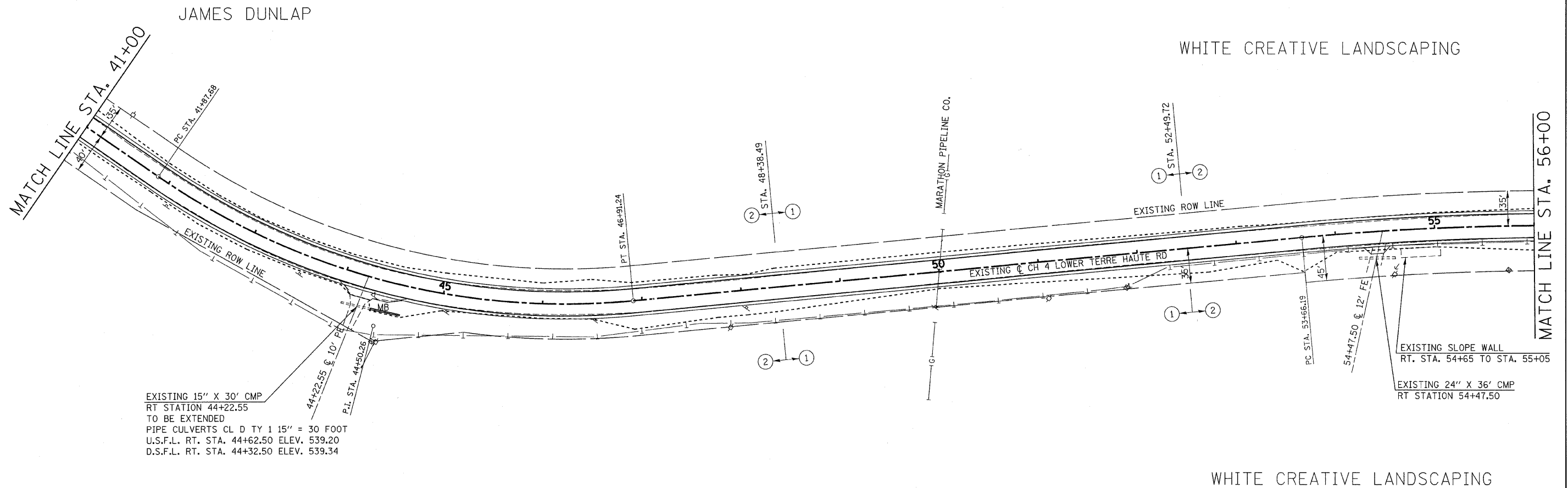
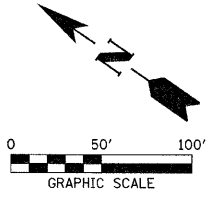
SECTION 6, T.12N., R.10W., 2nd P.M.

SECTION 7, T.12N., R.10W., 2nd P.M.

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	19
EDGAR COUNTY, ILLINOIS		CONTRACT NO. 91467		

EXIST. \odot CURVE DATA
 PI STA. = 44+50.26
 Δ = 40° 05' 34" (LT)
 D = 7° 57' 43"
 R = 719.63'
 T = 262.58'
 L = 503.56'
 E = 46.41'
 e = 0.08 FT/FT
 T.R. = 33.33'
 S.E. RUN = 163'
 P.C. STA. = 41+87.68
 P.T. STA. = 46+91.24
S.E. ATTAINED:
 STATION 40+44.48 TO STATION 42+40.81
 STATION 46+42.16 TO STATION 48+38.49

EXIST. \odot CURVE DATA
 PI STA. = 55+54.62
 Δ = 7° 50' 22" (RT)
 D = 2° 05' 01"
 R = 2,750.00'
 T = 188.43'
 L = 376.26'
 E = 6.45'
 e = 0.05 FT/FT
 T.R. = 38.30'
 S.E. RUN = 117'
 P.C. STA. = 53+66.20
 P.T. STA. = 57+42.46
S.E. ATTAINED:
 STATION 52+49.72 TO STATION 54+05.01
 STATION 57+03.65 TO STATION 58+58.94

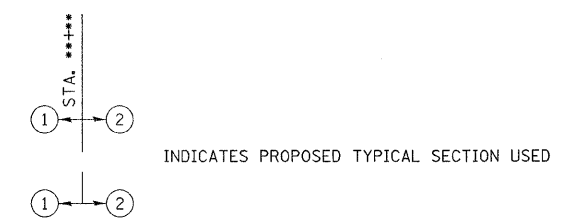


EXISTING 15" X 30' CMP
 RT STATION 44+22.55
 TO BE EXTENDED
 PIPE CULVERTS CL D TY 1 15" = 30 FOOT
 U.S.F.L. RT. STA. 44+62.50 ELEV. 539.20
 D.S.F.L. RT. STA. 44+32.50 ELEV. 539.34

SECTION 6, T.12N., R.10W., 2nd P.M.

SECTION 7, T.12N., R.10W., 2nd P.M.

FILE NAME =
 110330-shr-plans.dgn
 PLOT DATE = 1/19/2012
 SCALE: 1" = 50'



SECTION 7, T.12N., R.10W., 2nd P.M.

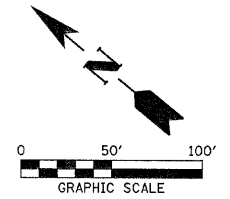
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	20
EDGAR COUNTY, ILLINOIS		CONTRACT NO. 91467		

EXIST. ϕ CURVE DATA
 PI STA. = 55+54.62
 $\Delta = 7^\circ 50' 22''$ (RT)
 $D = 2^\circ 05' 01''$
 $R = 2,750.00'$
 $T = 188.43'$
 $L = 376.26'$
 $E = 6.45'$
 $e = 0.05$ FT/FT
 $T.R. = 38.30'$
 $S.E. RUN = 117'$
 $P.C. STA. = 53+66.20$
 $P.T. STA. = 57+42.46$
S.E. ATTAINED:
 STATION 52+49.72 TO STATION 54+05.01
 STATION 57+03.65 TO STATION 58+58.94

GUARDRAIL LEGEND

- (A) TBT TYPE 1 (SP) TANGENT
 LT. STA. 60+32.67 TO LT. STA. 60+82.67
 RT. STA. 56+58.77 TO RT. STA. 57+08.77
 RT. STA. 59+42.19 TO RT. STA. 59+92.19
- (B) SPBGR TYPE A
 LT. STA. 59+20.17 TO LT. STA. 60+32.67
 RT. STA. 57+08.77 TO RT. STA. 58+21.27
 RT. STA. 59+17.19 TO RT. STA. 59+42.19
- (C) TBT TYPE 6A
 LT. STA. 58+76.28 TO LT. STA. 59+20.17
 RT. STA. 58+21.17 TO RT. STA. 58+65.16
 RT. STA. 58+73.30 TO RT. STA. 59+17.19
- (D) TBT TYPE 6A MODIFIED
 LT. STA. 58+62.36 TO LT. STA. 58+76.06 $R = 8.5'$

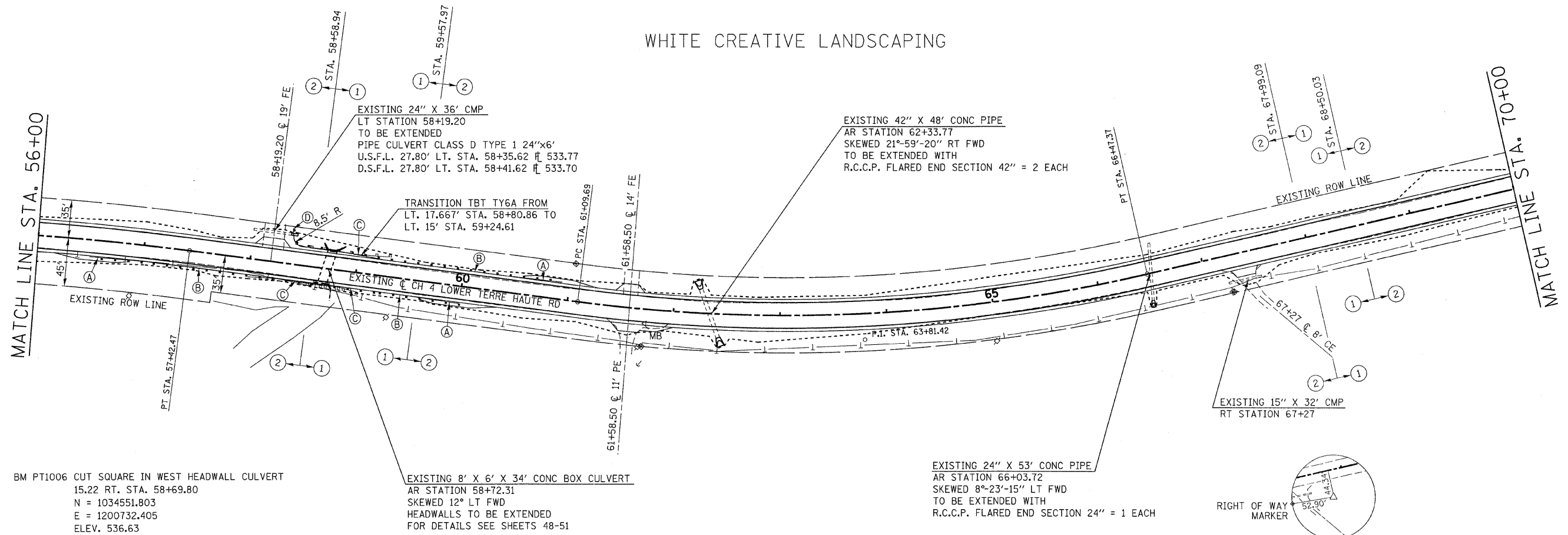
EXIST. ϕ CURVE DATA
 PI STA. = 63+81.41
 $\Delta = 20^\circ 27' 45''$ (LT)
 $D = 3^\circ 48' 21''$
 $R = 1,505.48'$
 $T = 271.73'$
 $L = 537.66'$
 $E = 24.33'$
 $e = 0.07$ FT/FT
 $T.R. = 38.30'$
 $S.E. RUN = 164'$
 $P.C. STA. = 61+09.68$
 $P.T. STA. = 66+47.34$
S.E. ATTAINED:
 STATION 59+57.97 TO STATION 61+60.26
 STATION 65+96.80 TO STATION 67+99.09



WHITE CREATIVE LANDSCAPING

STATE BANK OF CHRISMAN, TRUST NO 507

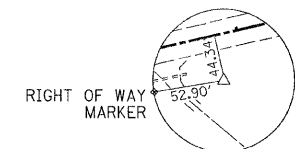
WHITE CREATIVE LANDSCAPING



BM PT1006 CUT SQUARE IN WEST HEADWALL CULVERT
 15.22 RT. STA. 58+69.80
 $N = 1034551.803$
 $E = 1200732.405$
 ELEV. 536.63

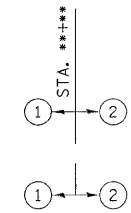
EXISTING 8' X 6' X 34' CONC BOX CULVERT
 AR STATION 58+72.31
 SKEWED 12° LT FWD
 HEADWALLS TO BE EXTENDED
 FOR DETAILS SEE SHEETS 48-51

EXISTING 24\"/>



BM PT1004
 IRON ROD
 44.34' RT. STA. 67+75.47
 $N = 1033852.957$
 $E = 1201313.441$
 ELEV. 543.20

WHITE CREATIVE LANDSCAPING



INDICATES PROPOSED TYPICAL SECTION USED

FILE NAME =
 118338-sht-plans.dgn
 PLOT DATE = 1/19/2012
 SCALE: 1" = 50'



**EDGAR COUNTY
 HIGHWAY DEPARTMENT**

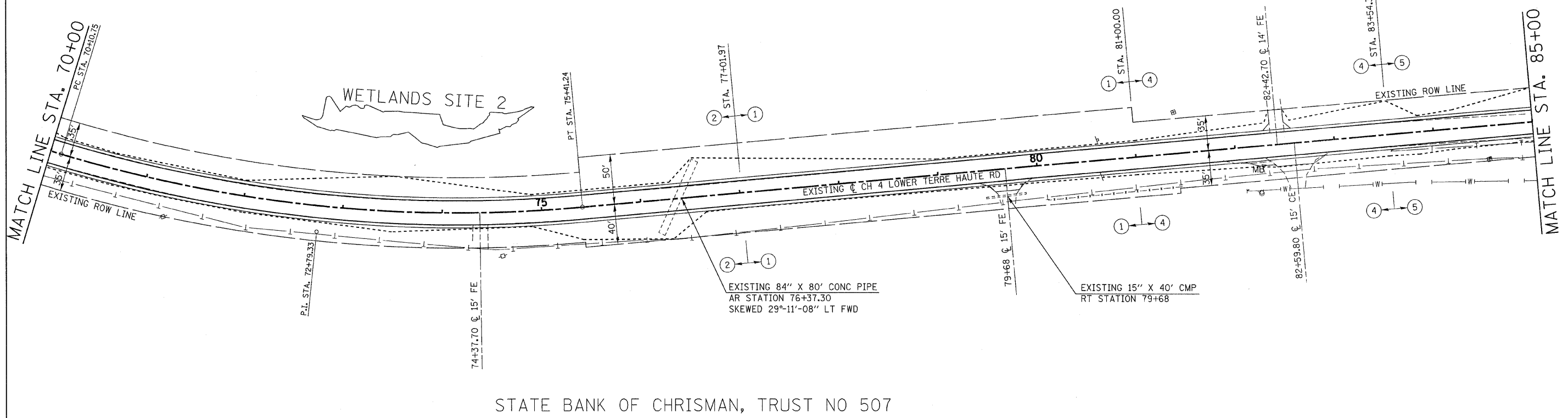
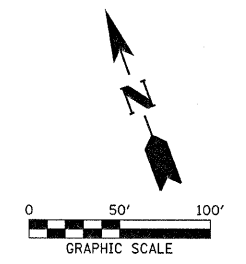
SECTION 7, T.12N., R.10W., 2nd P.M.

SECTION 7, T.12N., R.10W., 2nd P.M.

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	21
EDGAR COUNTY, ILLINOIS		CONTRACT NO. 91467		

EXIST. \odot CURVE DATA
 PI STA. = 72+79.30
 Δ = 22° 05' 24" (LT)
 D = 4° 09' 51"
 R = 1,375.96'
 T = 268.58'
 L = 530.49'
 E = 25.97'
 e = 0.075 FT/FT
 T.R. = 38.30'
 S.E. RUN = 176'
 P.C. STA. = 70+10.72
 P.T. STA. = 75+41.21
S.E. ATTAINED:
 STATION 68+50.03 TO STATION 70+64.32
 STATION 74+87.67 TO STATION 77+01.96

STATE BANK OF CHRISMAN, TRUST NO 507

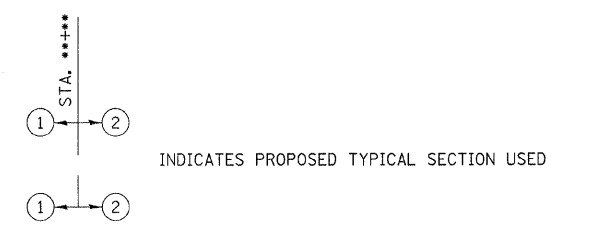


STATE BANK OF CHRISMAN, TRUST NO 507

FILE NAME = 118338-shr-plans.dgn
 PLOT DATE = 1/19/2012
 SCALE: 1" = 50'

**EDGAR COUNTY
 HIGHWAY DEPARTMENT**

SECTION 7, T.12N., R.10W., 2nd P.M.

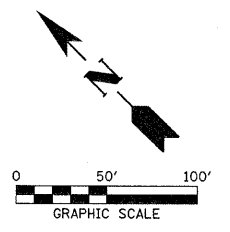


SECTION 7, T.12N., R.10W., 2nd P.M.

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	22
EDGAR COUNTY, ILLINOIS		CONTRACT NO. 91467		

PROPOSED ϕ CURVE DATA
 PI STA. = 88+04.47
 $\Delta = 46^\circ 35' 42''$ (RT)
 $D = 8^\circ 08' 45''$
 $R = 703.37'$
 $T = 302.88'$
 $L = 572.01'$
 $E = 62.44'$
 $e = 0.08$ FT/FT
 $T.R. = 33.33'$
 $S.E. RUN = 163'$
 $P.C. STA. = 85+01.62$
 $P.T. STA. = 90+73.59$
S.E. ATTAINED:
 STATION 83+54.37 TO STATION 85+50.70
 STATION 90+24.54 TO STATION 92+20.87

PROPOSED ϕ CURVE DATA
 PI STA. = 98+65.14
 $\Delta = 63^\circ 12' 44''$ (LT)
 $D = 8^\circ 16' 00''$
 $R = 693.10'$
 $T = 426.50'$
 $L = 764.67'$
 $E = 120.71'$
 $e = 0.08$ FT/FT
 $T.R. = 33.33'$
 $S.E. RUN = 163'$
 $P.C. STA. = 94+36.48$
 $P.T. STA. = 101+99.21$
S.E. ATTAINED:
 STATION 92+91.39 TO STATION 94+87.22
 STATION 101+44.17 TO STATION 103+40.50



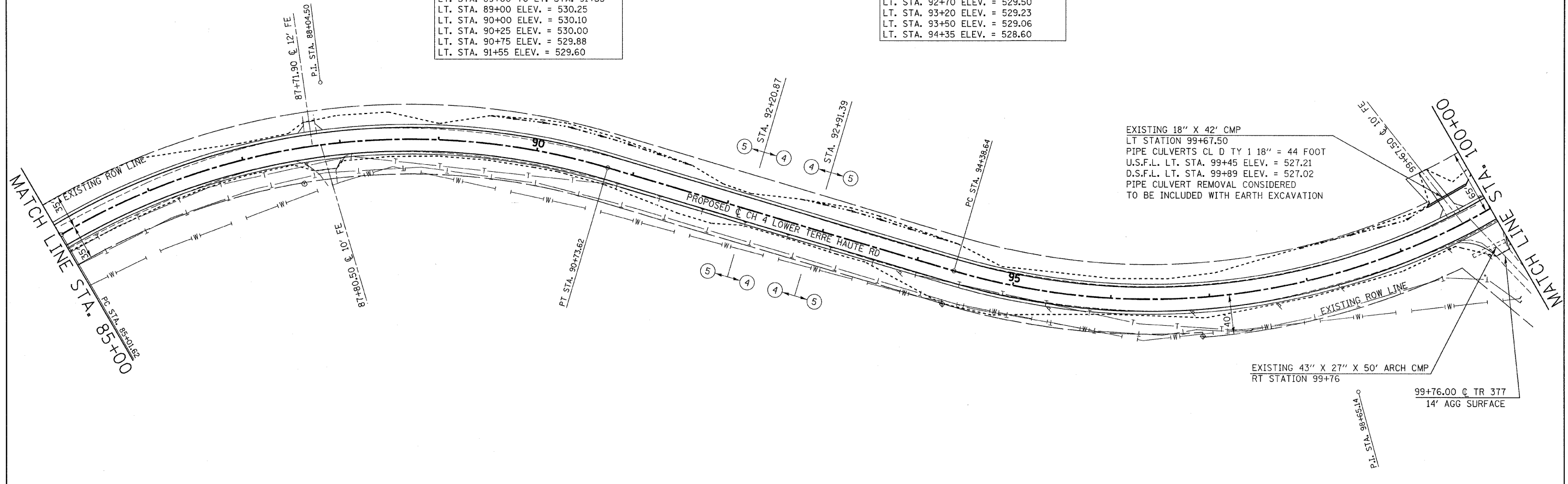
STATE BANK OF CHRISMAN, TRUST NO 507

CONSTRUCT 2' BOTTOM SPECIAL DITCH
 LT. STA. 89+00 TO LT. STA. 91+55
 LT. STA. 89+00 ELEV. = 530.25
 LT. STA. 90+00 ELEV. = 530.10
 LT. STA. 90+25 ELEV. = 530.00
 LT. STA. 90+75 ELEV. = 529.88
 LT. STA. 91+55 ELEV. = 529.60

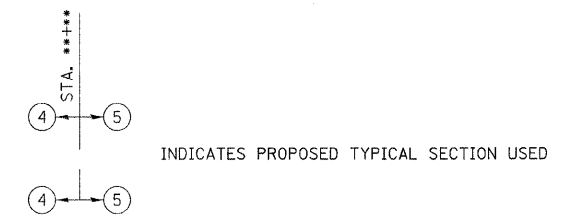
CONSTRUCT 2' BOTTOM SPECIAL DITCH
 LT. STA. 92+70 TO LT. STA. 94+35
 LT. STA. 92+70 ELEV. = 529.50
 LT. STA. 93+20 ELEV. = 529.23
 LT. STA. 93+50 ELEV. = 529.06
 LT. STA. 94+35 ELEV. = 528.60

EXISTING 18" X 42' CMP
 LT STATION 99+67.50
 PIPE CULVERTS CL D TY 1 18" = 44 FOOT
 U.S.F.L. LT. STA. 99+45 ELEV. = 527.21
 D.S.F.L. LT. STA. 99+89 ELEV. = 527.02
 PIPE CULVERT REMOVAL CONSIDERED
 TO BE INCLUDED WITH EARTH EXCAVATION

EXISTING 43" X 27" X 50' ARCH CMP
 RT STATION 99+76
 99+76.00 ϕ TR 377
 14' AGG SURFACE



STATE BANK OF CHRISMAN, TRUST NO 507



SECTION 8, T.12N., R.10W., 2nd P.M.

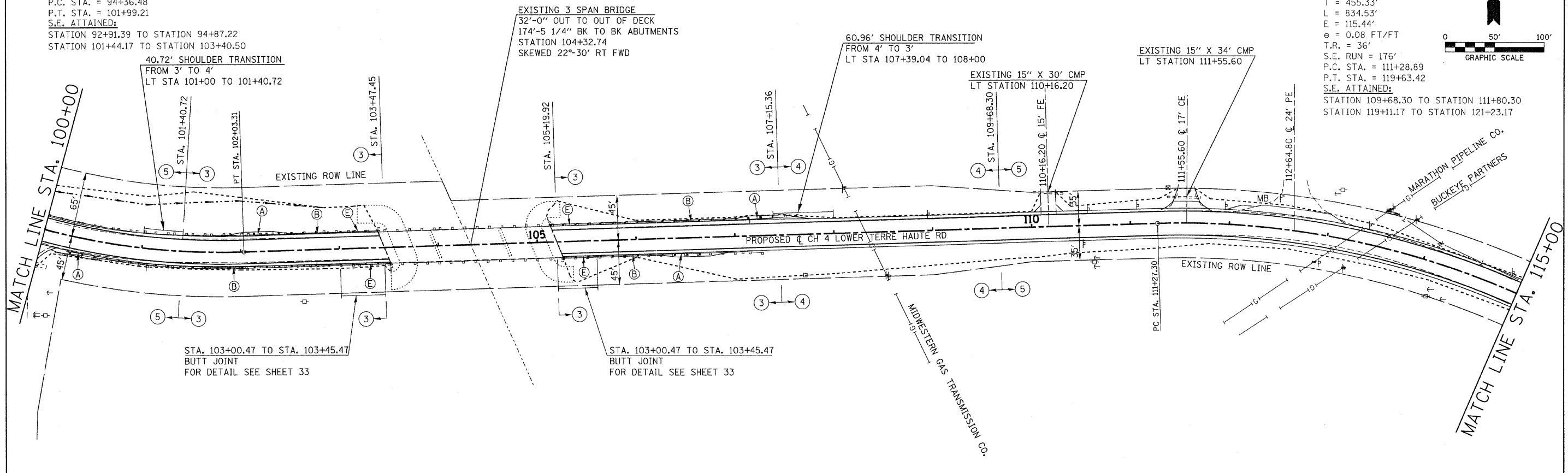
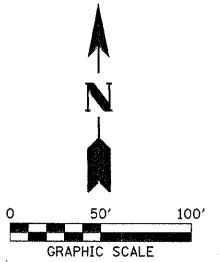
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	23
EDGAR COUNTY, ILLINOIS		CONTRACT NO. 91467		

PROPOSED \odot CURVE DATA
 PI STA. = 98+65.14
 Δ = 63° 12' 44" (LT)
 D = 8° 16' 00"
 R = 693.10'
 T = 426.50'
 L = 764.67'
 E = 120.71'
 e = 0.08 FT/FT
 T.R. = 33.33'
 S.E. RUN = 163'
 P.C. STA. = 94+36.48
 P.T. STA. = 101+99.21
 S.E. ATTAINED:
 STATION 92+91.39 TO STATION 94+87.22
 STATION 101+44.17 TO STATION 103+40.50

CONSTRUCT SPECIAL DITCH
 LT. STA. 98+00 ELEV. = 528.00
 TO LT. STA. 100+00 ELEV. = 527.00
 TO LT. STA. 101+00 ELEV. = 526.75
 TO LT. STA. 101+50 ELEV. = 526.00
 TO LT. STA. 102+00 ELEV. = 525.00
 TO LT. STA. 102+85 ELEV. = 524.60

DALE & PAMELA ELLIOTT

PROPOSED \odot CURVE DATA
 PI STA. = 115+84.21
 Δ = 56° 54' 26" (RT)
 D = 6° 49' 09"
 R = 840.23'
 T = 455.33'
 L = 834.53'
 E = 115.44'
 e = 0.08 FT/FT
 T.R. = 36'
 S.E. RUN = 176'
 P.C. STA. = 111+28.89
 P.T. STA. = 119+63.42
 S.E. ATTAINED:
 STATION 109+68.30 TO STATION 111+80.30
 STATION 119+11.17 TO STATION 121+23.17



STA. 103+00.47 TO STA. 103+45.47
 BUTT JOINT
 FOR DETAIL SEE SHEET 33

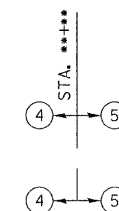
STA. 103+00.47 TO STA. 103+45.47
 BUTT JOINT
 FOR DETAIL SEE SHEET 33

OMMISSION FROM SECTION AND PROJECT
 BRIDGE OMISSION STATION 103+45.47
 TO STATION 105+19.92

WILLIAM C McCLAIN

BM PT1007 TOP OF CONCRETE WALL IN DITCH, CENTER WALL
 28.51' RT. STA. 111+98.52
 N = 1032241.468
 E = 1205166.479
 ELEV. 535.69

- GUARDRAIL LEGEND**
- (A) TBT TYPE 1 (SP) TANGENT
 LT. STA. 102+13.09 TO LT. STA. 102+63.09
 LT. STA. 106+89.04 TO LT. STA. 107+39.04
 RT. STA. 100+26.25 TO RT. STA. 100+76.25
 RT. STA. 106+14.80 TO RT. STA. 106+64.80
 - (B) SPBGR TYPE A
 LT. STA. 102+63.09 TO LT. STA. 103+25.59
 LT. STA. 105+26.54 TO LT. STA. 106+89.04
 RT. STA. 100+76.25 TO RT. STA. 103+38.85
 RT. STA. 105+39.80 TO RT. STA. 106+14.80
 - (E) TBT TYPE 5A
 LT. STA. 103+25.59 TO LT. STA. 103+38.84
 LT. STA. 105+13.29 TO LT. STA. 105+26.54
 RT. STA. 103+38.85 TO RT. STA. 103+52.10
 RT. STA. 105+26.55 TO RT. STA. 105+39.80



INDICATES PROPOSED TYPICAL SECTION USED

FILE NAME =
 118330-shr-plans.dgn
 PLOT DATE = 1/19/2012
 SCALE: 1" = 50'



EDGAR COUNTY
 HIGHWAY DEPARTMENT

SECTION 8, T.12N., R.10W., 2nd P.M.

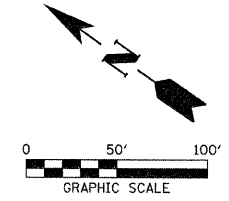
SECTION 8, T.12N., R.10W., 2nd P.M.

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	24

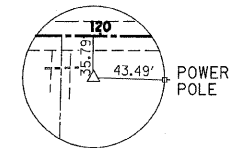
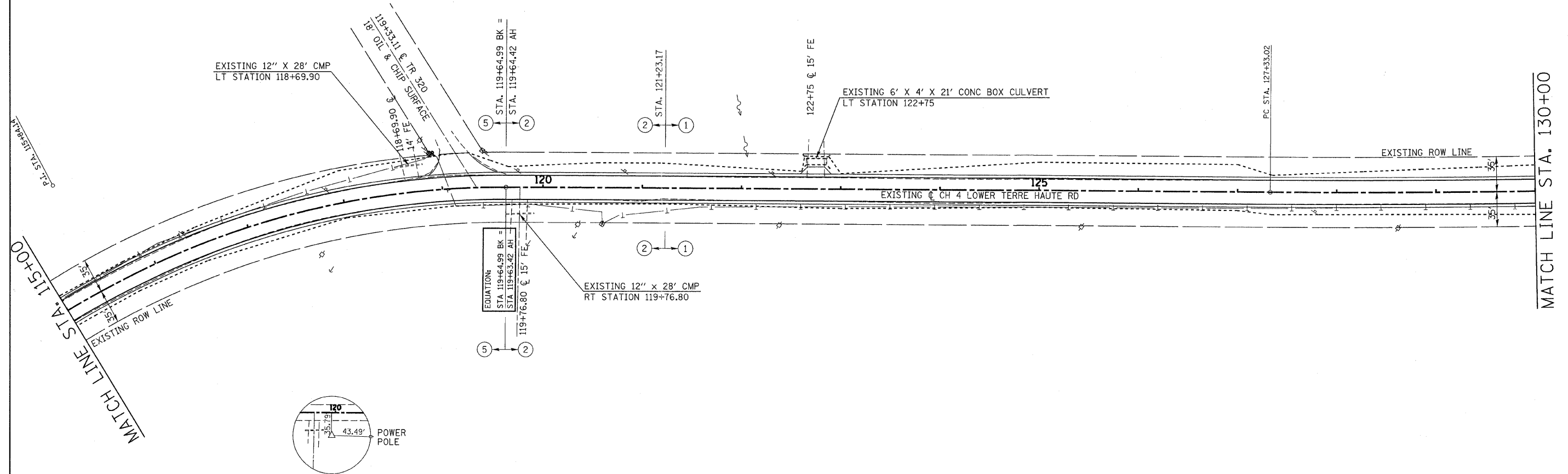
EDGAR COUNTY, ILLINOIS CONTRACT NO. 91467

PROPOSED ϕ CURVE DATA
 PI STA. = 115+84.21
 Δ = 56° 54' 26" (RT)
 D = 6° 49' 09"
 R = 840.23'
 T = 455.33'
 L = 834.53'
 E = 115.44'
 e = 0.08 FT/FT
 T.R. = 36'
 S.E. RUN = 176'
 P.C. STA. = 111+28.89
 P.T. STA. = 119+63.42
 S.E. ATTAINED:
 STATION 109+68.30 TO STATION 111+80.30
 STATION 119+11.17 TO STATION 121+23.17

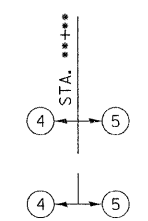
EXIST. ϕ CURVE DATA
 PI STA. = 133+58.44
 Δ = 6° 20' 09" (LT)
 D = 0° 30' 25"
 R = 11,300.00'
 T = 625.42'
 L = 1,249.57'
 E = 17.29'
 P.C. STA. = 127+33.01
 P.T. STA. = 139+82.58



WILLIAM C McCLAIN



BM PT1001
 IRON ROD IN VAULT
 35.79' RT. STA. 119+91.64
 N = 1031865.400
 E = 1205799.250
 ELEV. 544.63



INDICATES PROPOSED TYPICAL SECTION USED

FILE NAME =
 118338-ah-hw-plans.dgn
 PLOT DATE = 1/19/2012
 SCALE: 1" = 50'



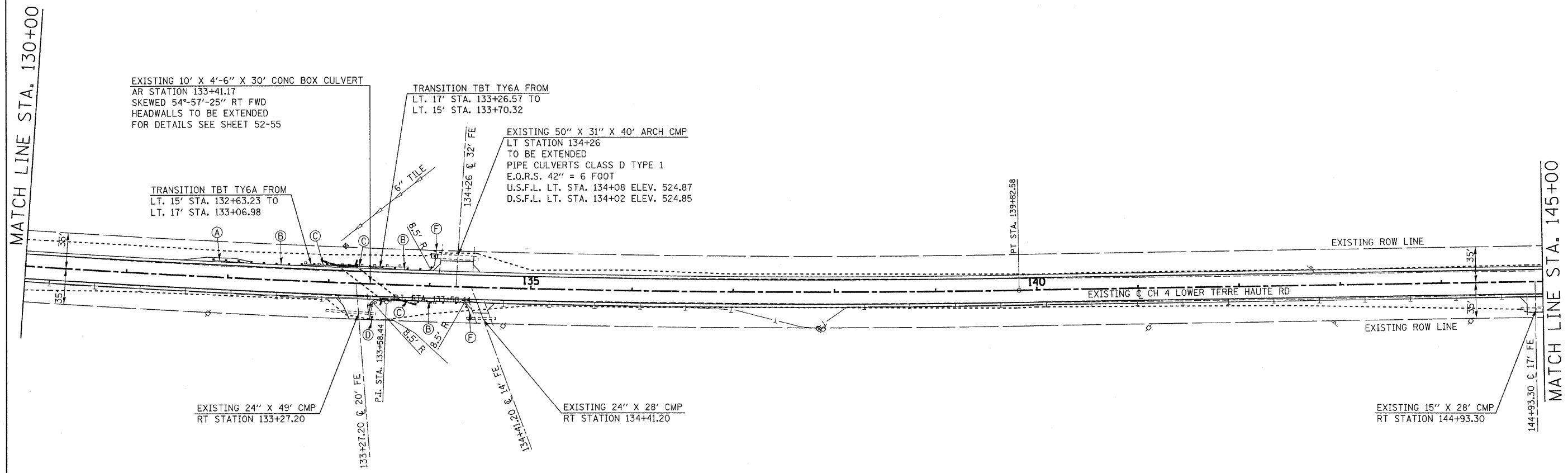
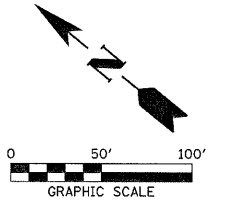
SECTION 8, T.12N., R.10W., 2nd P.M.

SECTION 8, T.12N., R.10W., 2nd P.M.

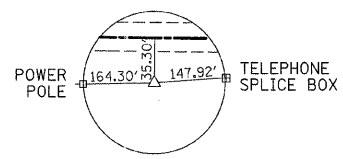
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	25
EDGAR COUNTY, ILLINOIS		CONTRACT NO. 91467		

EXIST. \odot CURVE DATA
 PI STA. = 133+58.44
 Δ = 6° 20' 09" (LT)
 D = 0° 30' 25"
 R = 11,300.00'
 T = 625.42'
 L = 1,249.57'
 E = 17.29'
 P.C. STA. = 127+33.01
 P.T. STA. = 139+82.58

ROBERT MORIS DUNLAP FAMILY TRUST



WILLIAM C McCLAIN



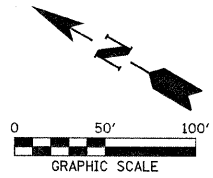
BM PT1002
 IRON ROD
 35.30' RT. STA. 136+37.20
 N = 1030531.460
 E = 1206766.680
 ELEV. 526.73

- GUARDRAIL LEGEND
- (A) TBT TYPE 1 (SP) TANGENT
 LT. STA. 131+66.25 TO LT. STA. 132+16.25
 - (B) SPBGR TYPE A
 LT. STA. 132+16.25 TO LT. STA. 132+66.25
 LT. STA. 133+03.43 TO LT. STA. 133+72.32
 RT. STA. 134+20.95 TO RT. STA. 134+33.45
 - (C) TBT TYPE 6A
 LT. STA. 132+66.25 TO LT. STA. 133+10.12
 LT. STA. 133+03.43 TO LT. STA. 133+72.32
 RT. STA. 133+77.06 TO RT. STA. 134+20.95
 - (D) TBT TYPE 6A MODIFIED
 RT. STA. 133+41 TO RT. STA. 133+52.52 R = 8.5'
 - (E) SPBGR (SHORT RADIUS)
 LT. STA. 133+72.32 TO LT. STA. 134+05 R = 8.5'
 RT. STA. 133+33.45 TO RT. STA. 134+95 R = 8.5'

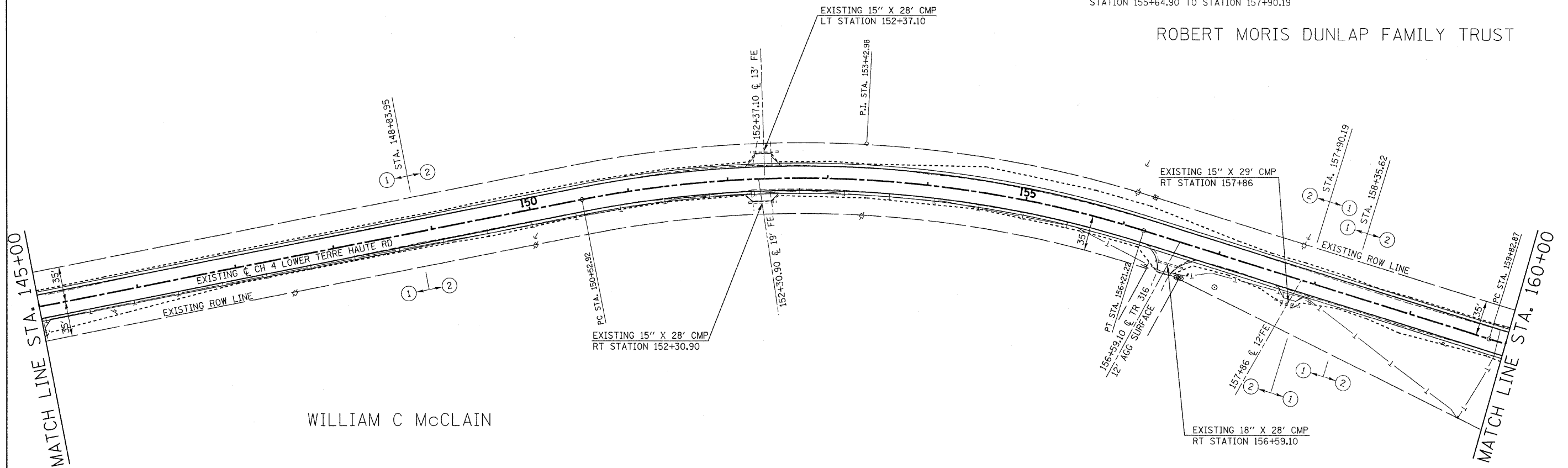
SECTION 17, T.12N., R.10W., 2nd P.M.

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	26
EDGAR COUNTY, ILLINOIS		CONTRACT NO. 91467		

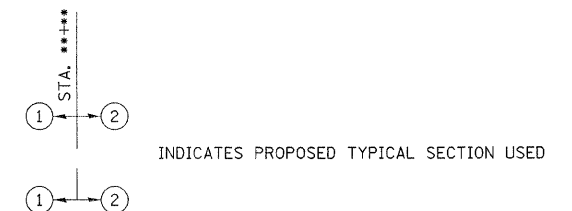
EXIST. \odot CURVE DATA
 PI STA. = 153+42.97
 Δ = 28° 16' 06" (RT)
 D = 4° 58' 27"
 R = 1,151.86'
 T = 290.06'
 L = 568.30'
 E = 35.96'
 θ = 0.08 FT/FT
 T.R. = 38.30'
 S.E. RUN = 187'
 P.C. STA. = 150+52.91
 P.T. STA. = 156+21.22
 S.E. ATTAINED:
 STATION 148+83.95 TO STATION 151+09.24
 STATION 155+64.90 TO STATION 157+90.19



ROBERT MORIS DUNLAP FAMILY TRUST



WILLIAM C McCLAIN



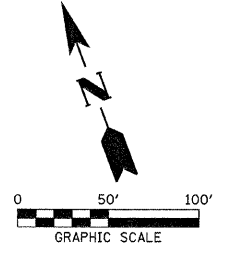
SECTION 17, T.12N., R.10W., 2nd P.M.

SECTION 17, T.12N., R.10W., 2nd P.M.

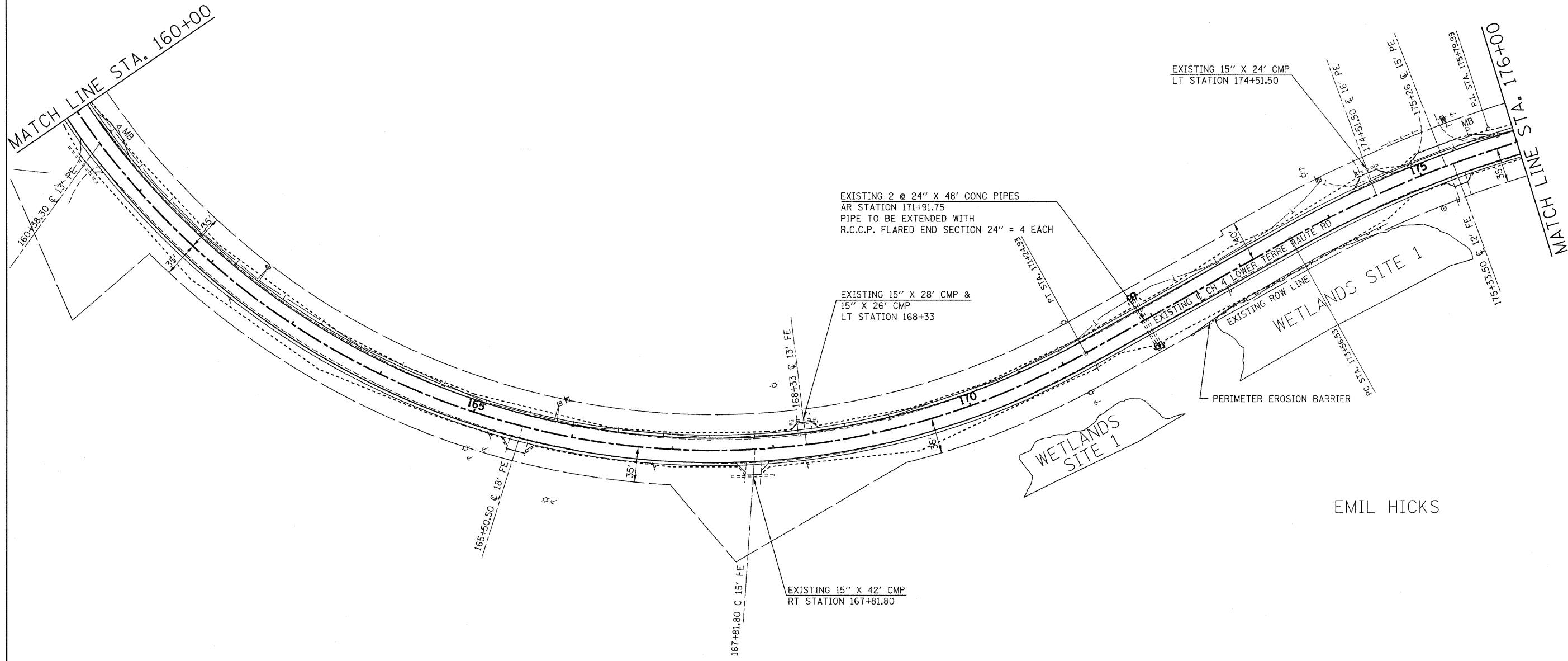
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	27
EDGAR COUNTY, ILLINOIS		CONTRACT NO. 91467		

EXIST. ϕ CURVE DATA
 PI STA. = 166+93.46
 Δ = 86° 15' 16" (LT)
 D = 7° 33' 09"
 R = 758.63'
 T = 710.59'
 L = 1,142.06'
 E = 280.82'
 e = 0.08 FT/FT
 T.R. = 33.33'
 S.E. RUN = 163'
 P.C. STA. = 159+82.87
 P.T. STA. = 171+24.93
 S.E. ATTAINED:
 STATION 158+35.62 TO STATION 160+31.92
 STATION 170+36.44 TO STATION 172+32.77

EXIST. ϕ CURVE DATA
 PI STA. = 175+79.98
 Δ = 21° 29' 31" (RT)
 D = 4° 51' 58"
 R = 1,177.43'
 T = 223.46'
 L = 441.66'
 E = 21.02'
 e = 0.08 FT/FT
 T.R. = 38.30'
 S.E. RUN = 187'
 P.C. STA. = 173+56.53
 P.T. STA. = 177+98.19
 S.E. ATTAINED:
 STATION 172+32.77 TO STATION 174+58.07
 STATION 177+41.87 TO STATION 179+67.16



EMIL HICKS



EMIL HICKS

FILE NAME =
 110330-sht-plans.dgn
 PLOT DATE = 1/19/2012
 SCALE: 1" = 50'



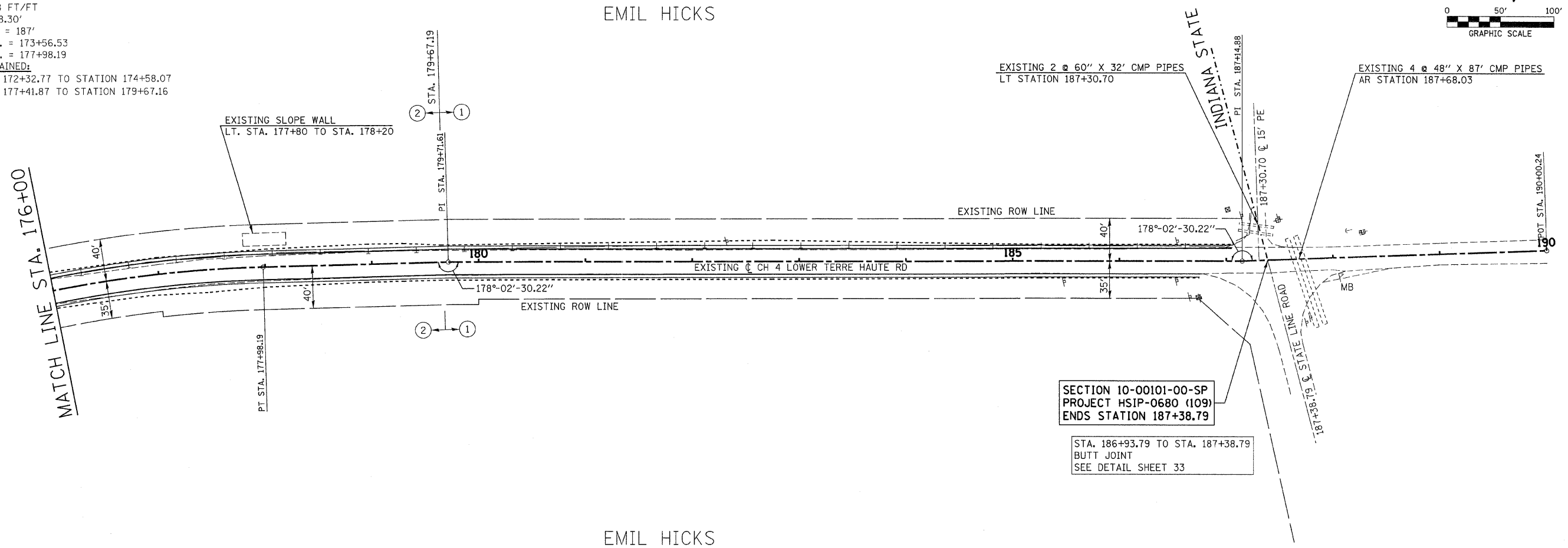
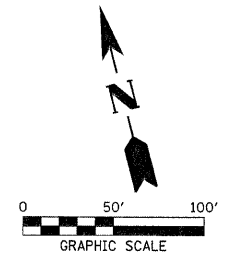
SECTION 17, T.12N., R.10W., 2nd P.M.

SECTION 17, T.12N., R.10W., 2nd P.M.

SECTION 16, T.12N., R.10W., 2nd P.M.

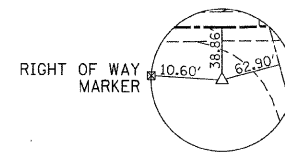
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	28
EDGAR COUNTY, ILLINOIS		CONTRACT NO. 91467		

EXIST. \odot CURVE DATA
 PI STA. = 175+79.98
 Δ = 21° 29' 31" (RT)
 D = 4° 51' 58"
 R = 1,177.43'
 T = 223.46'
 L = 441.66'
 E = 21.02'
 e = 0.08 FT/FT
 T.R. = 38.30'
 S.E. RUN = 187'
 P.C. STA. = 173+56.53
 P.T. STA. = 177+98.19
S.E. ATTAINED:
 STATION 172+32.77 TO STATION 174+58.07
 STATION 177+41.87 TO STATION 179+67.16

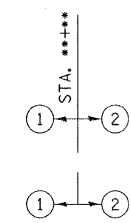


SECTION 10-00101-00-SP
 PROJECT HSIP-0680 (109)
 ENDS STATION 187+38.79

STA. 186+93.79 TO STA. 187+38.79
 BUTT JOINT
 SEE DETAIL SHEET 33



BM PT1003
 IRON ROD
 38.86' RT. STA. 186+83.44
 N = 1027821.879
 E = 1210430.035
 ELEV. 509.56



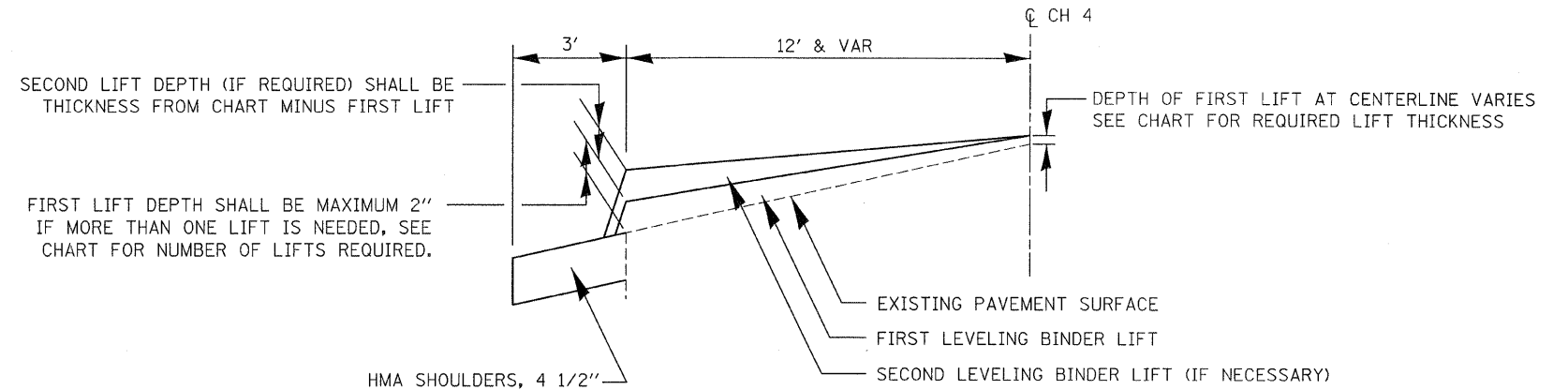
SECTION 17, T.12N., R.10W., 2nd P.M.

SECTION 16, T.12N., R.10W., 2nd P.M.

DETAIL OF LEVELING BINDER (MACHINE METHOD) SPECIAL SUPER CORRECTION

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	29
EDGAR COUNTY, ILLINOIS		CONTRACT NO. 91467		

NOTE:
 MAXIMUM LIFT THICKNESS OF LEVELING BINDER (MACHINE METHOD) SPECIAL SHALL BE 2 INCHES
 SEE CHART FOR DEPTHS AT CENTERLINE AND EDGES OF PAVEMENT PER LOCATION



TYPICAL CROSS SECTION OF LEVELING BINDER LIFT CONSTRUCTION

STATION 11+25 TO STATION 16+00

WESTBOUND LANE LEVELING BINDER (MACHINE METHOD) SPECIAL

STATION	DEPTH AT LEFT EP	DEPTH AT CENTERLINE	PASSES REQUIRED
11+25.00	0"	0"	0
11+60.00	2"	0"	1
11+90.00	2"	0"	1
12+20.00	2"	0"	1
13+05.00	2"	0"	1
13+50.00	2"	1 1/2"	1
15+00.00	3 1/4"	0"	2
17+00.00	1 3/4"	0"	1
18+50.00	2"	0"	1
18+95.00	2"	0"	1
19+80.00	2"	0"	1
20+10.00	2"	0"	1
20+40.00	0"	0"	0

EASTBOUND LANE LEVELING BINDER (MACHINE METHOD) SPECIAL

STATION	DEPTH AT CENTERLINE	DEPTH AT RIGHT EP	PASSES REQUIRED
13+05.00	0"	0"	0
13+50.00	1 1/2"	2"	1
15+00.00	0"	2"	1
16+00.00	0"	0"	0

QUANTITY OF LEVELING BINDER (MACHINE METHOD) SPECIAL AT THIS LOCATION = 100 TONS

STATION 30+00 TO STATION 46+90

WESTBOUND LANE LEVELING BINDER (MACHINE METHOD) SPECIAL

STATION	DEPTH AT LEFT EP	DEPTH AT CENTERLINE	PASSES REQUIRED
30+00.00	0"	0"	0
33+00.00	2"	0"	1
36+00.00	4"	1 3/4"	2
38+35.00	4"	2"	2
39+00.00	4"	1 1/8"	2
39+45.00	4"	2"	2
39+95.00	4"	1/4"	2
40+40.00	4"	1 3/8"	2
40+60.00	4"	1"	2
41+00.00	2"	0"	1
41+45.00	2"	0"	1
41+90.00	0"	0"	0
42+50.00	0"	0"	0
43+00.00	2"	0"	1
45+00.00	2"	0"	1
46+00.00	2"	2"	1
46+50.00	1"	2"	1
46+90.00	0"	0"	0

EASTBOUND LANE LEVELING BINDER (MACHINE METHOD) SPECIAL

STATION	DEPTH AT CENTERLINE	DEPTH AT RIGHT EP	PASSES REQUIRED
33+00.00	0"	0"	0
36+00.00	1 3/4"	0"	1
38+35.00	2"	0"	1
39+00.00	1 1/8"	0"	1
39+45.00	2"	2"	1
39+95.00	1/4"	0"	1
40+40.00	1 3/8"	0"	1
40+60.00	1"	2"	1
41+00.00	0"	2"	1
41+45.00	0"	2"	1
41+90.00	0"	0"	0
45+00.00	0"	0"	0
46+00.00	2"	1"	1
46+50.00	2"	2"	1
46+90.00	0"	0"	0

QUANTITY OF LEVELING BINDER (MACHINE METHOD) SPECIAL AT THIS LOCATION = 198 TONS

STATION 60+60 TO STATION 68+55

WESTBOUND LANE LEVELING BINDER (MACHINE METHOD) SPECIAL

STATION	DEPTH AT LEFT EP	DEPTH AT CENTERLINE	PASSES REQUIRED
60+60.00	0"	0"	0
61+10.00	0"	1 3/4"	1
61+75.00	0"	1 1/2"	1
62+80.00	0"	1 1/2"	1
63+80.00	0"	0"	0
65+50.00	0"	0"	0
67+35.00	2"	0"	1
67+70.00	2"	0"	1
68+05.00	2"	0"	1
68+55.00	0"	0"	0

EASTBOUND LANE LEVELING BINDER (MACHINE METHOD) SPECIAL

STATION	DEPTH AT CENTERLINE	DEPTH AT RIGHT EP	PASSES REQUIRED
60+15.00	0"	0"	0
60+60.00	0"	4"	2
61+10.00	1 3/4"	4"	2
61+75.00	1 1/2"	4"	2
62+80.00	1 1/2"	4"	2
63+80.00	0"	0"	0

QUANTITY OF LEVELING BINDER (MACHINE METHOD) SPECIAL AT THIS LOCATION = 95 TONS

STATION 149+20 TO STATION 158+60

WESTBOUND LANE LEVELING BINDER (MACHINE METHOD) SPECIAL

STATION	DEPTH AT LEFT EP	DEPTH AT CENTERLINE	PASSES REQUIRED
149+20.00	0"	0"	0
149+55.00	2"	0"	1
150+55.00	2"	0"	1
151+10.00	2"	0"	1
152+25.00	2"	0"	1
153+40.00	2"	0"	1
154+55.00	2"	0"	1
155+65.00	2"	0"	1
156+20.00	2"	0"	1
157+15.00	2"	0"	1
157+50.00	2"	0"	1
157+85.00	2"	0"	1
158+30.00	2"	0"	1
158+60.00	0"	0"	0

QUANTITY OF LEVELING BINDER (MACHINE METHOD) SPECIAL AT THIS LOCATION = 68 TONS

PLOT DATE: 1/19/2012 FILE NAME: 110330-shr-de-ba-1a.dgn

SCALE: NO SCALE



EDGAR COUNTY HIGHWAY DEPARTMENT

DETAIL OF LEVELING BINDER (MACHINE METHOD) SPECIAL ALIGNMENT CORRECTION

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	30
EDGAR COUNTY, ILLINOIS		CONTRACT NO. 91467		

(STATION 81+00 TO STATION 119+64.99)

NOTE:
 LEVELING BINDER (MACHINE METHOD) SPECIAL SHALL BE CONSTRUCTED FULL WIDTH OF THE EXISTING PAVEMENT.
 MAXIMUM LIFT THICKNESS OF LEVELING BINDER (MACHINE METHOD) SPECIAL SHALL BE 2 INCHES
 SEE CHART FOR DEPTHS AT CENTERLINE AND EDGES OF PAVEMENT PER LOCATION

WESTBOUND LANE LEVELING BINDER (MACHINE METHOD) SPECIAL

STATION	DEPTH AT LEFT EP	DEPTH AT CENTERLINE	PASSES REQUIRED
80+50.00	0"	0"	0
81+00.00	2"	2"	1
83+55.00	0"	2"	1
83+85.00	0"	4" (1)	2
84+20.00	1"	3/8"	1
85+00.00	3"	0"	2
85+50.00	3 5/8"	1 5/8"	2
86+00.00	5 1/8"	2"	3
86+50.00	2 1/4"	1 1/4"	1
87+00.00	2"	1/4"	1
87+50.00	2"	5/8"	1
88+00.00	2"	1/4"	1
88+50.00	2"	0"	1
89+00.00	1 1/2"	0"	1
89+50.00	1"	0"	1
90+00.00	1 3/4"	1"	1
90+25.00	4"	1 1/4"	2
90+75.00	4"	7/8"	2
91+55.00	2 3/4"	0"	1
91+90.00	1 3/4"	0"	1
92+20.00	1"	1/4"	1
92+70.00	4"	2"	2
93+20.00	6 1/2"	2 3/8" (2)	3
93+50.00	5 3/4"	1/4"	3
94+35.00	2 7/8"	0"	1
94+85.00	0"	3/4"	1
96+00.00	4 5/8"	0"	2
98+00.00	3 5/8"	0"	2
100+00.00	1 5/8"	0"	1
101+00.00	1 1/4"	0"	1
101+50.00	0"	1 5/8"	1
102+00.00	1"	1/2"	1
102+85.00	5"	7/8"	3
103+00.00	0"	0"	0
107+00.00	0"	0"	0
108+00.00	0"	5/8"	1
109+75.00	0"	2"	1
110+05.00	0"	0"	0
110+40.00	1 1/2"	0"	1
111+30.00	8 5/8"	17/8"	4
111+80.00	7 5/8"	1 1/4"	4
113+50.00	0"	0"	0
115+00.00	0"	0"	0
116+50.00	0"	1 1/8"	1
118+00.00	3 1/4"	2"	1
119+10.00	10"	2"	5
119+65.00	9 1/2"	2"	5
120+55.00	4 3/4"	0"	2
121+20.00	2 3/4"	0"	1
123+00.00	0"	0"	0

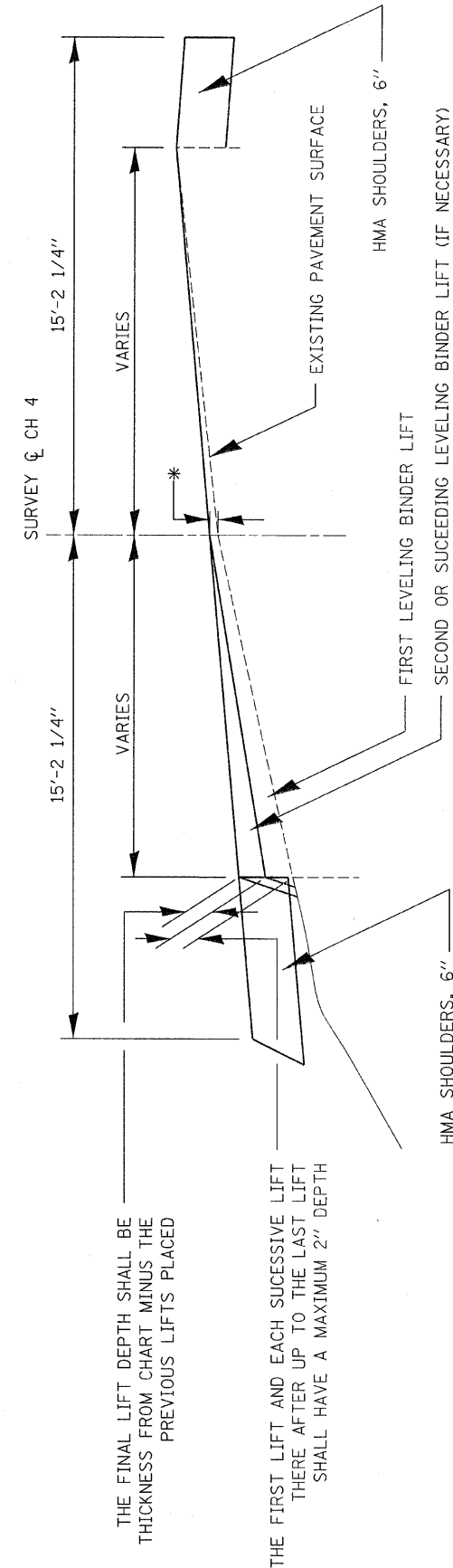
QUANTITY OF LEVELING BINDER (MACHINE METHOD) SPECIAL IN THE WESTBOUND LANE = 470 TONS

EASTBOUND LANE LEVELING BINDER (MACHINE METHOD) SPECIAL

STATION	DEPTH AT CENTERLINE	DEPTH AT RIGHT EP	PASSES REQUIRED
80+50.00	0"	0"	0
81+00.00	2"	0"	1
83+55.00	2"	4"	2
83+85.00	4" (1)	6"	3
84+20.00	3/8"	5"	3
85+00.00	0"	3 5/8"	2
85+50.00	1 5/8"	0"	1
86+00.00	2"	0"	1
86+50.00	1 1/4"	0"	1
87+00.00	1/4"	0"	1
87+50.00	5/8"	0"	1
88+00.00	1/4"	1 5/8"	1
88+50.00	0"	1 3/8"	1
89+00.00	0"	1 5/8"	1
89+50.00	0"	2"	1
90+00.00	1"	0"	1
90+25.00	1 1/4"	0"	1
90+75.00	7/8"	0"	1
91+55.00	0"	0"	0
91+90.00	0"	0"	0
92+20.00	1/4"	0"	1
92+70.00	2"	0"	1
93+20.00	2 3/8" (2)	0"	1
93+50.00	1/4"	0"	1
94+35.00	0"	2"	1
94+85.00	3/4"	4"	2
96+00.00	0"	0"	0
98+00.00	0"	1 1/4"	1
100+00.00	0"	1 1/4"	1
101+00.00	0"	1 3/4"	1
101+50.00	1 5/8"	6"	3
102+00.00	1/2"	3 1/2"	2
102+85.00	7/8"	0"	1
103+00.00	0"	0"	0
107+00.00	0"	0"	0
108+00.00	5/8"	1 5/8"	1
109+75.00	2"	3 1/4"	2
110+05.00	0"	2"	1
110+40.00	0"	1 5/8"	1
111+30.00	17/8"	0"	1
111+80.00	1 1/4"	0"	1
113+50.00	0"	0"	0
115+00.00	0"	4"	2
116+50.00	1 1/8"	2 5/8"	1
118+00.00	2"	0"	1
119+10.00	2"	0"	1
119+65.00	2"	0"	1
120+55.00	0"	0"	0

QUANTITY OF LEVELING BINDER (MACHINE METHOD) SPECIAL IN THE EASTBOUND LANE = 296 TONS

FOR MULTIPLE CENTERLINE LIFTS
 (1) 2 - 2" LIFTS
 (2) 1 - 2" LIFT. REMAINDER ON 2nd LIFT



TYPICAL CROSS SECTION OF LEVELING BINDER LIFT CONSTRUCTION

* A MAXIMUM OF 2 LIFTS WILL BE REQUIRED AT THE CENTERLINE. DEPTHS OF LIFTS AT CENTERLINE WILL VARY. SEE CHART FOR REQUIRED LIFT THICKNESS AT THE CENTERLINE. ALL OTHER LIFTS NECESSARY FOR CORRECTIONS AT THE EDGES OF PAVEMENT WILL SCRATCH AT THE CENTERLINE.

PLOT DATE: 11/19/2012 FILE NAME: 110330-shl-de-calls.dgn

SCALE: NO SCALE

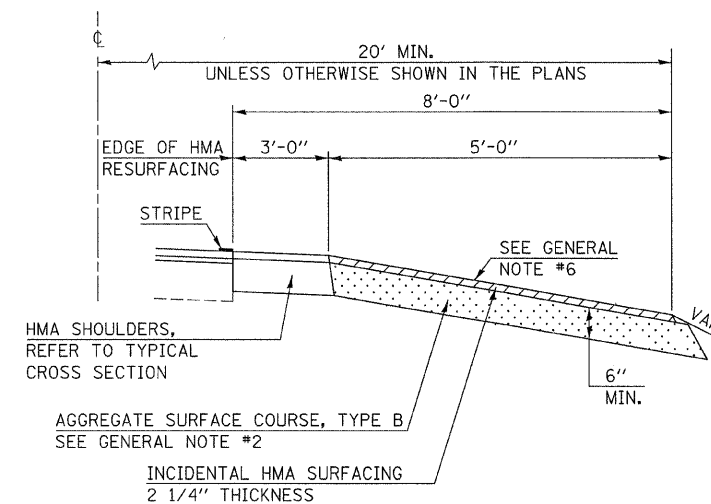
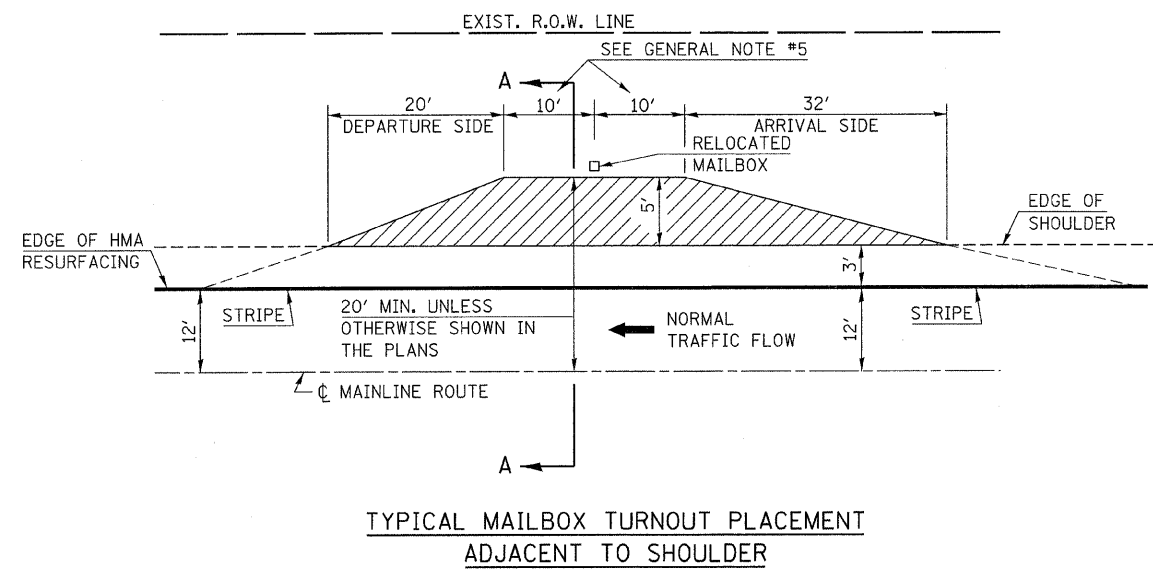
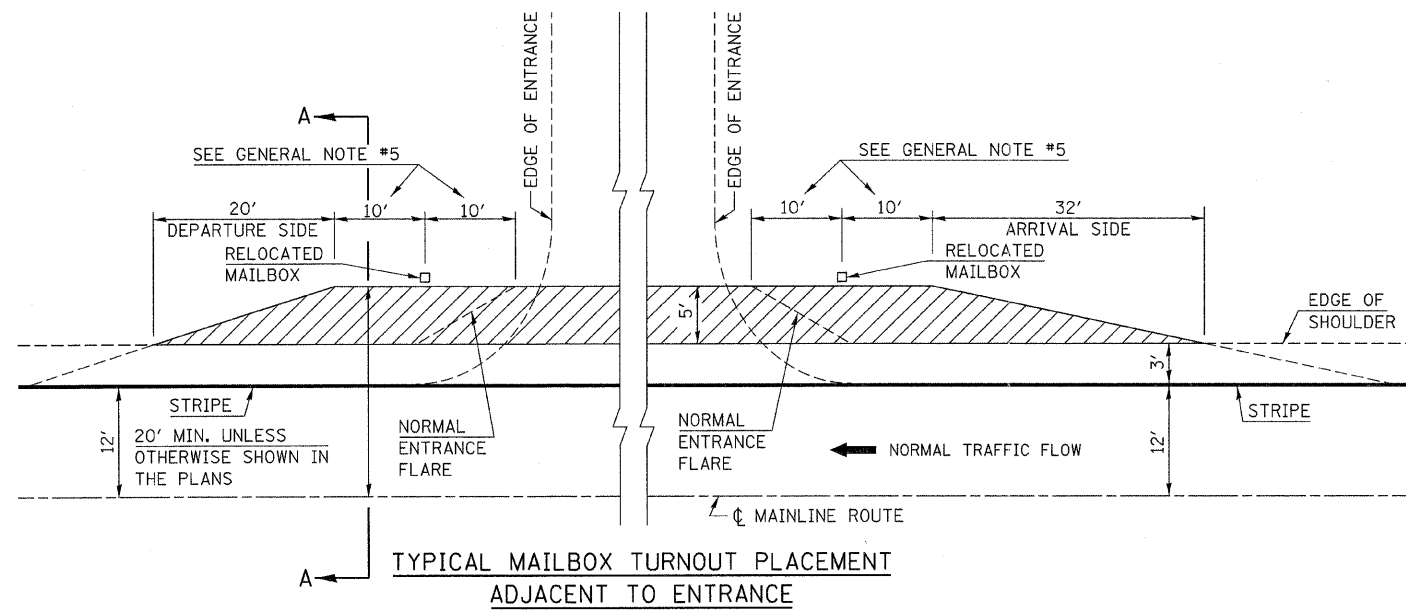


**EDGAR COUNTY
HIGHWAY DEPARTMENT**

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	31
EDGAR COUNTY, ILLINOIS		CONTRACT NO. 91467		

GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS. PREPARATION OF BASE WILL BE CONSIDERED TO BE INCLUDED WITH INCIDENTAL HMA SURFACING.
2. AGGREGATE SURFACE COURSE, TYPE B, SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED MAILBOX TURNOUTS. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ALL EXISTING MAILBOX TURNOUTS OR TO CONSTRUCT NEW MAILBOX TURNOUTS WHERE NONE NOW EXISTS.
3. ANY NECESSARY WORK BEHIND THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
4. THE TEMPORARY RELOCATION OF EXISTING MAILBOXES SHALL BE IN ACCORDANCE WITH ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS.
5. WHEN MORE THAN ONE RELOCATED MAILBOX IS INCLUDED IN A PARTICULAR LOCATION THE TWO 10' DIMENSIONS AS SHOWN ABOVE SHALL BE FROM THE END MAILBOX.
6. CROSS SLOPE SHALL BE AS SHOWN ON THE STATION CROSS SECTIONS AND/OR AS DIRECTED BY THE ENGINEER. MINIMUM 4% (1/2"/') DESIRABLE; MAXIMUM 8% (1"/')
7. WHEN MAILBOX TURNOUTS ARE CONSTRUCTED ADJACENT TO FIELD ENTRANCES, THE WIDTH OF THE INCIDENTAL HMA SURFACING CONSTRUCTED FOR THE FIELD ENTRANCE SHALL MATCH THE WIDTH OF THE PROPOSED MAILBOX TURNOUT SURFACING.
8. THE TOTAL SHOULDER WIDTH, 8' MINIMUM, SHALL BE PAVED BETWEEN SIDEROADS ENTRANCES AND/OR MAILBOX TURNOUTS AT LOCATIONS WHERE THE DISTANCE BETWEEN RADIUS OR TAPER CONTROL POINTS IS LESS THAN 50'.
9. MAILBOXES SHALL BE MOUNTED SUCH THAT THE FACE OF THE MAILBOX IS 6" TO 12" AND THE POST A MINIMUM OF 24" FROM THE EDGE OF THE TURNOUT SURFACING.



PLOT DATE: 1/19/2012 FILE NAME: 110530-ah-r-de-va-la.dgn

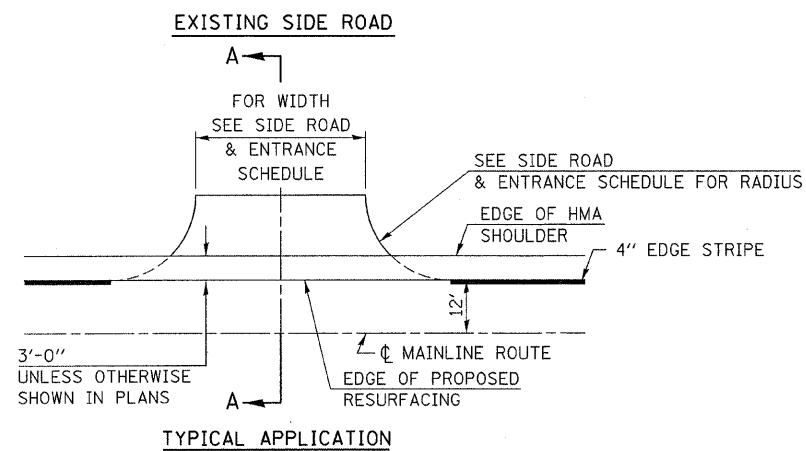
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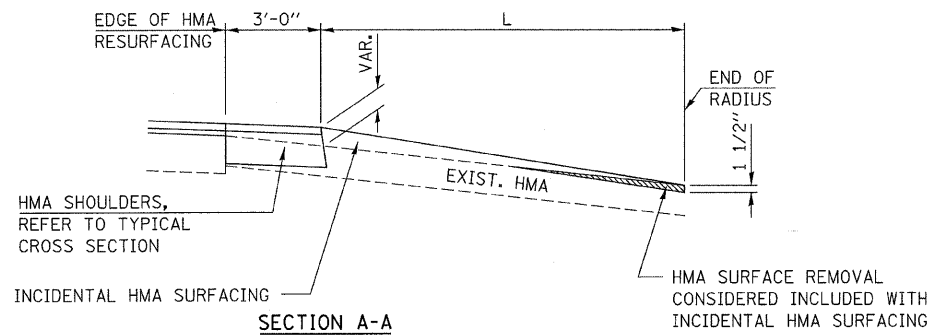
EDGAR COUNTY HIGHWAY DEPARTMENT

MAIL BOX TURNOUT

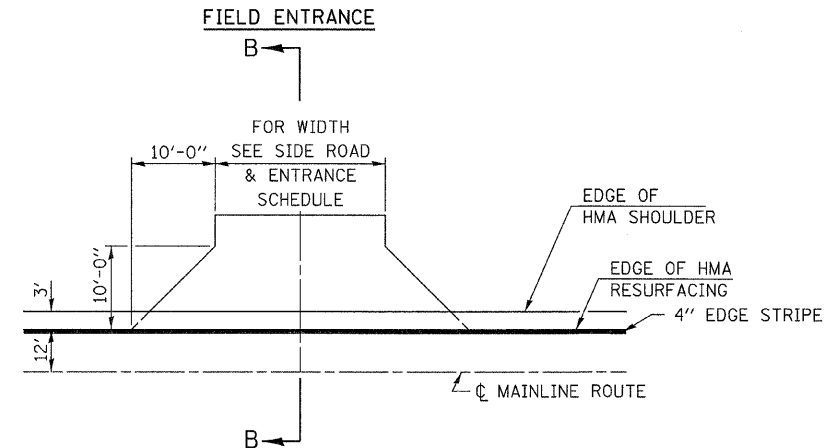
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	32
EDGAR COUNTY, ILLINOIS		CONTRACT NO. 91467		



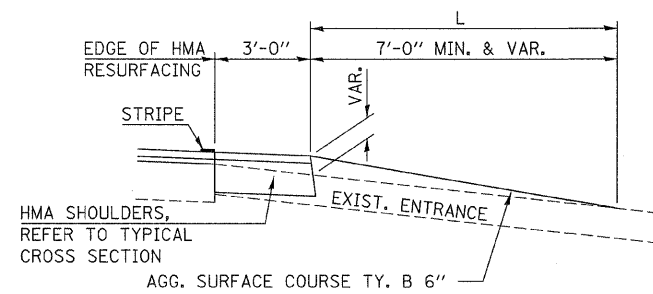
TYPICAL APPLICATION



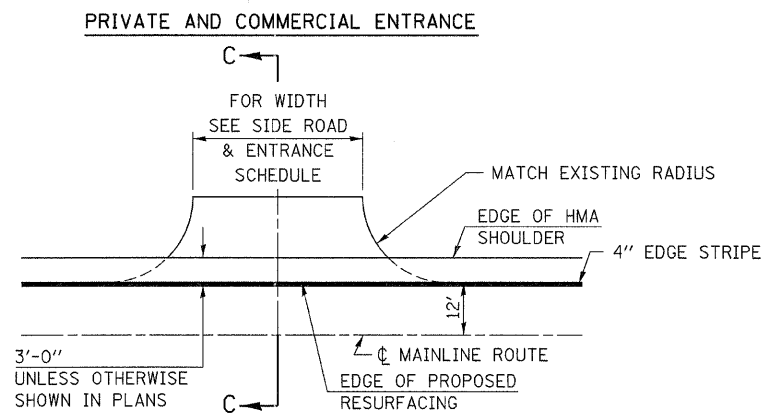
SECTION A-A



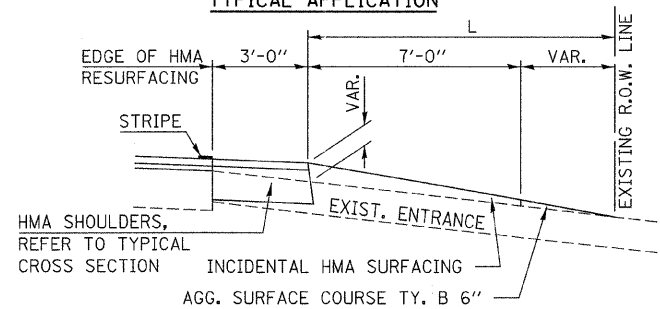
TYPICAL APPLICATION



SECTION B-B



TYPICAL APPLICATION



SECTION C-C

GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS. PREPARATION OF BASE WILL BE CONSIDERED TO BE INCLUDED WITH INCIDENTAL HMA SURFACING.
2. ANY NECESSARY WORK BEHIND THE HMA SHOULDER OR THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
3. EARTH EXCAVATION REQUIRED FOR THE CONSTRUCTION OF THE AGGREGATE SURFACE COURSE SHALL BE INCLUDED IN THE COST OF AGGREGATE SURFACE COURSE.
4. AGGREGATE SURFACE COURSE, TYPE B, 6" MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED ENTRANCES. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ANY EXISTING RETURN OR TO CONSTRUCT NEW ENTRANCES WHERE NONE NOW EXISTS.
5. THE AGGREGATE SURFACE COURSE SHALL BE CONSTRUCTED 12" WIDER THAN THE SURFACE DIMENSIONS AS SHOWN ABOVE.

LEGEND

L - SEE SIDEROAD AND ENTRANCE SCHEDULE

PLOT DATE: 1/19/2012 FILE NAME: 110330-ent-details.dgn

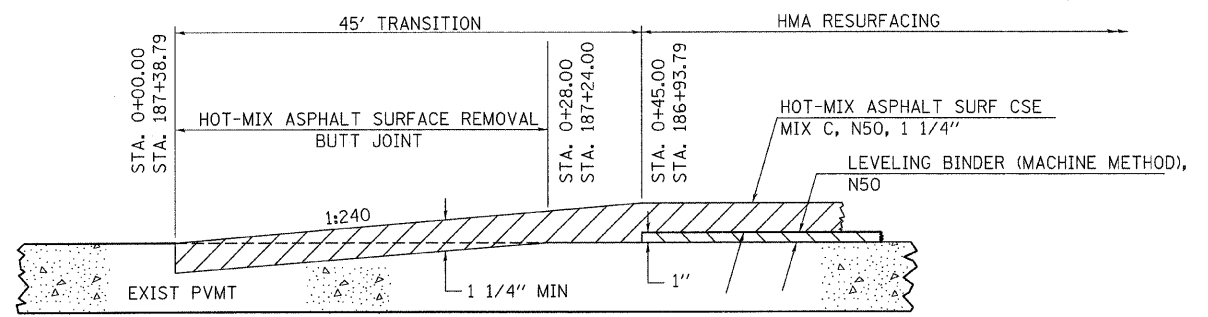
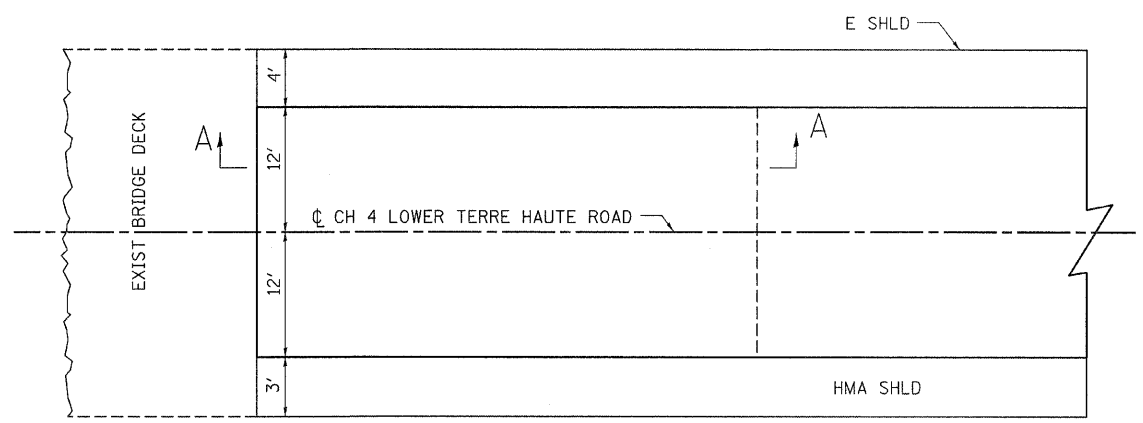
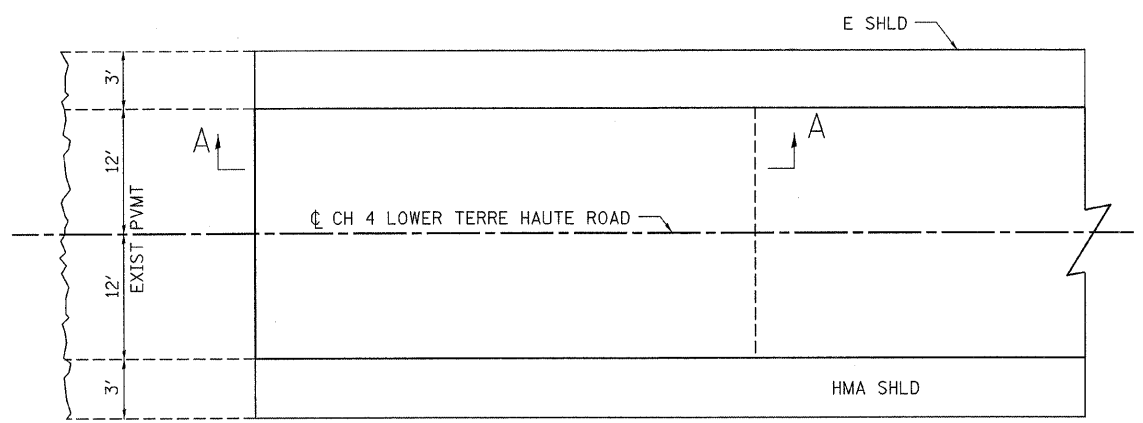
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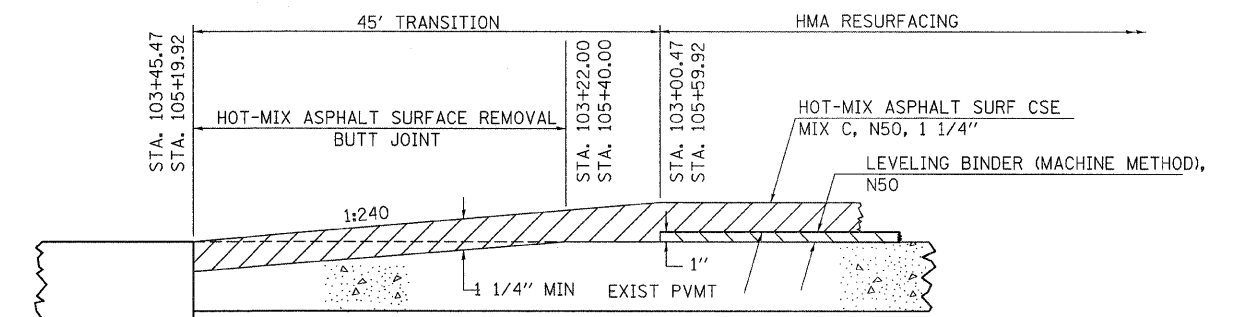
**EDGAR COUNTY
HIGHWAY DEPARTMENT**

SIDEROAD AND ENTRANCE DETAILS

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	33
EDGAR COUNTY, ILLINOIS		CONTRACT NO. 91467		



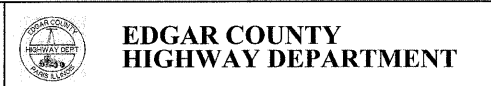
SECTION A-A



SECTION A-A

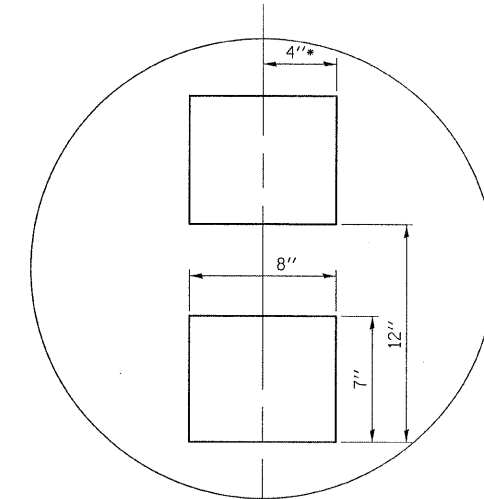
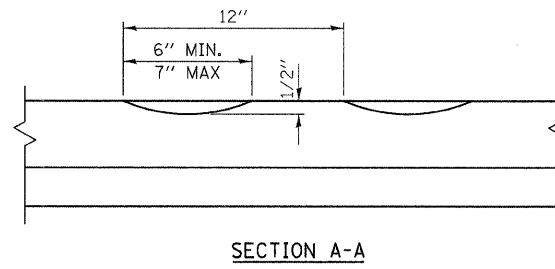
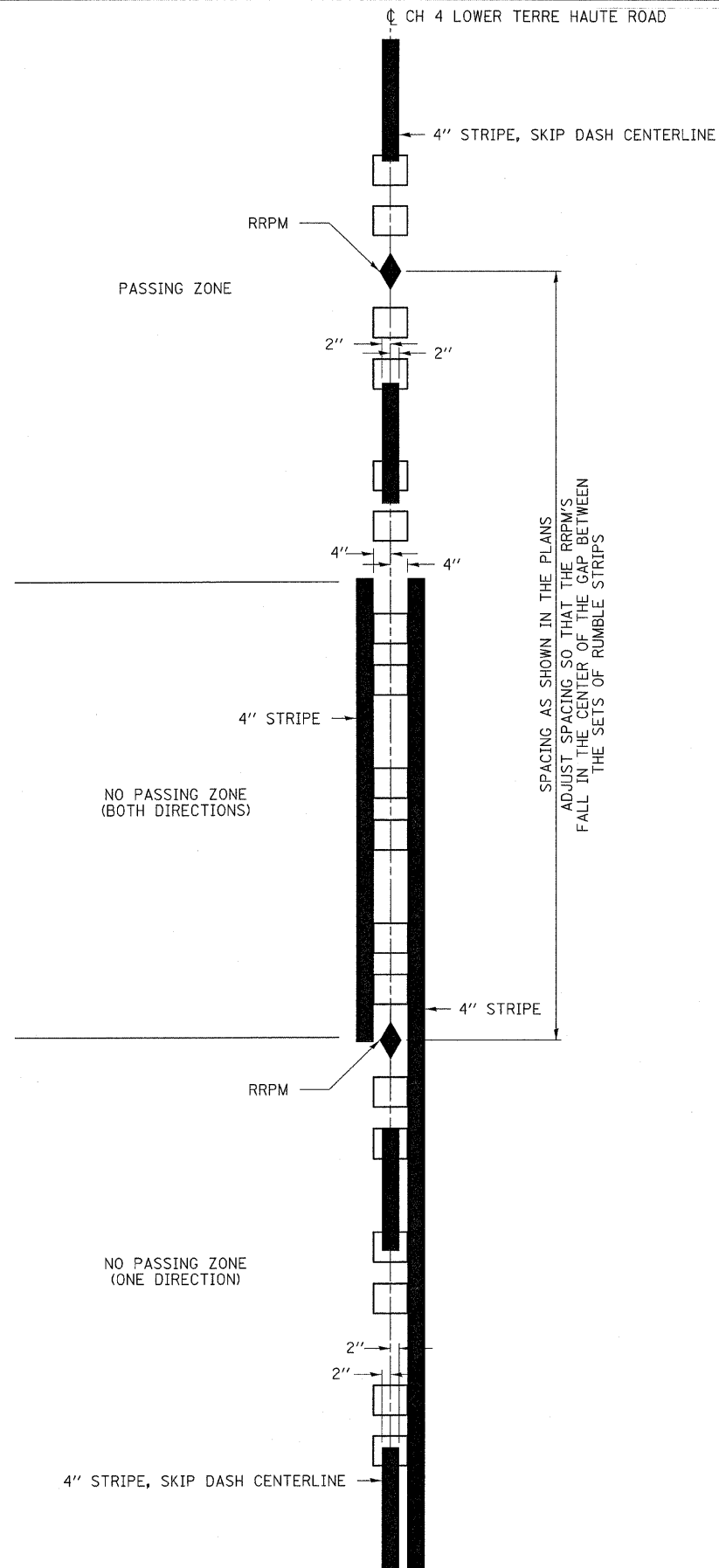
PLOT DATE : 1/19/2012 FILE NAME : 110330-shr-de-va-la.dgn

SCALE: NO SCALE



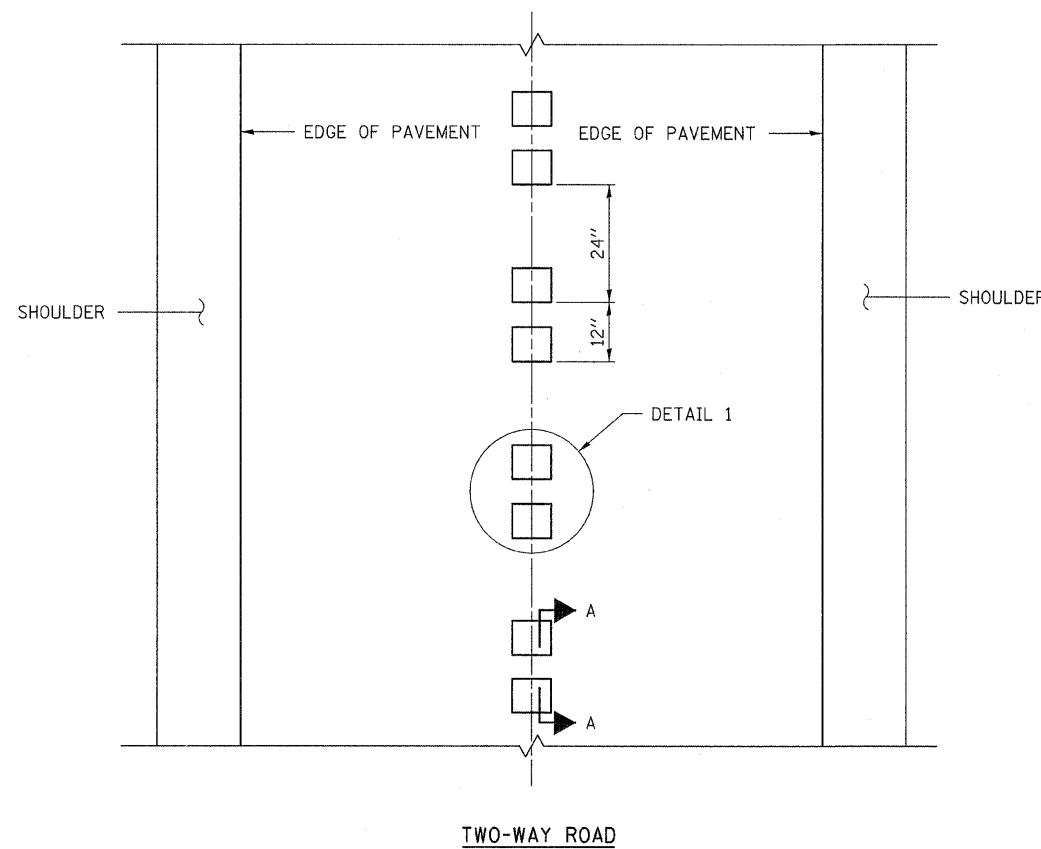
BUTT JOINT DETAIL

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	34
EDGAR COUNTY, ILLINOIS		CONTRACT NO. 91467		



*-LATERAL DEVIATION SHALL NOT EXCEED 1" IN 100 FEET.

DETAIL 1



GENERAL NOTES

1. SEE STANDARD 780001 FOR STRIPING
2. ALL RUMBLE STRIPS SHALL BE MILLED
3. CENTERLINE RUMBLE STRIPS SHALL BE CONTINUOUS THROUGH CONNECTIONS OF SIDEROADS WITH NO LEFT TURN LANES
4. DISCONTINUE CENTERLINE RUMBLE STRIPS THROUGH THE LIMITS OF ALL LEFT TURN LANES INCLUDING ANY LANE TAPER SECTIONS
5. WHERE USED ADJUST SPACING OF RAISED REFLECTIVE PAVEMENT MARKERS TO FALL IN THE CENTER OF THE GAP BETWEEN THE SETS OF RUMBLE STRIPS.
6. CENTERLINE RUMBLE STRIPS SHALL BE SEALED SEE SPECIAL PROVISIONS.

PLOT DATE : 1/19/2012 FILE NAME : 110330-shr-de.ta.ta.dgn

SCALE: NO SCALE



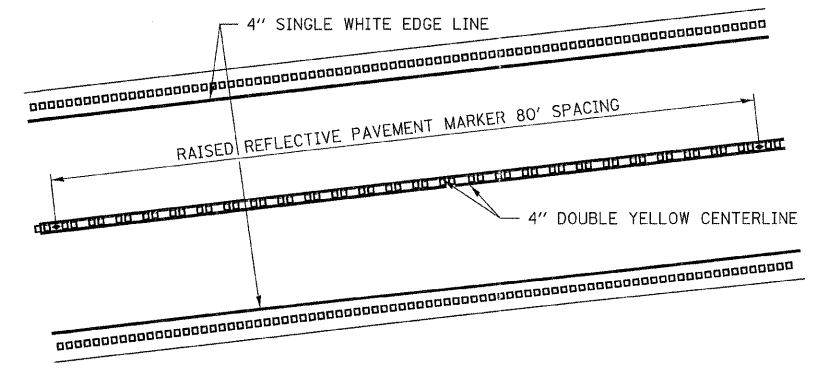
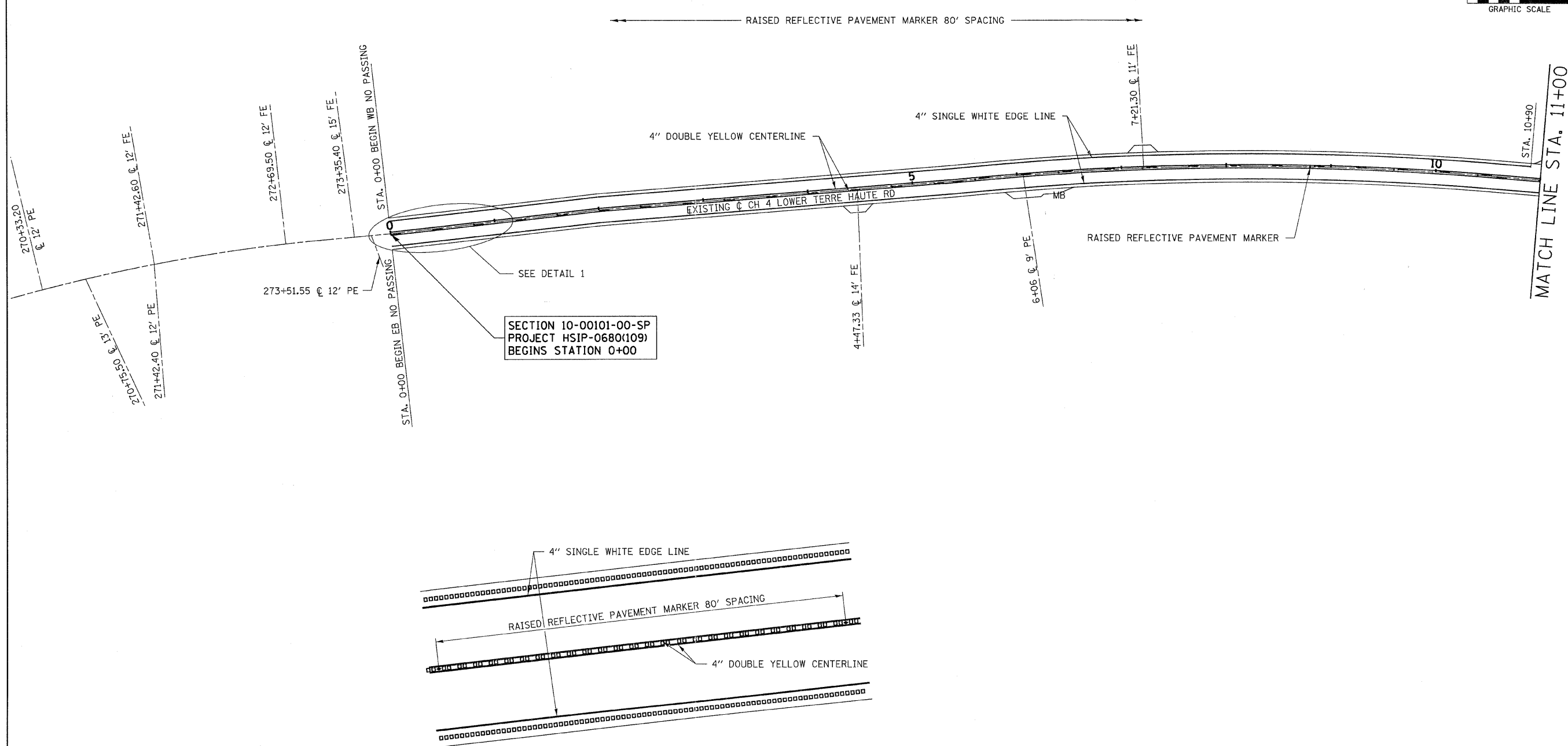
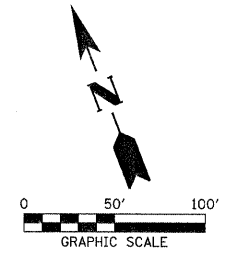
EDGAR COUNTY
HIGHWAY DEPARTMENT

CENTERLINE
RUMBLE STRIP 8"

SECTION 1, T.12N., R.11W., 2nd P.M.

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	35

EDGAR COUNTY, ILLINOIS CONTRACT NO. 91467



SECTION 10-00101-00-SP
PROJECT HSIP-0680(109)
BEGINS STATION 0+00

FILE NAME = 110330-shr-pvmtrk.dgn
PLOT DATE = 1/19/2012
SCALE: 1" = 50'



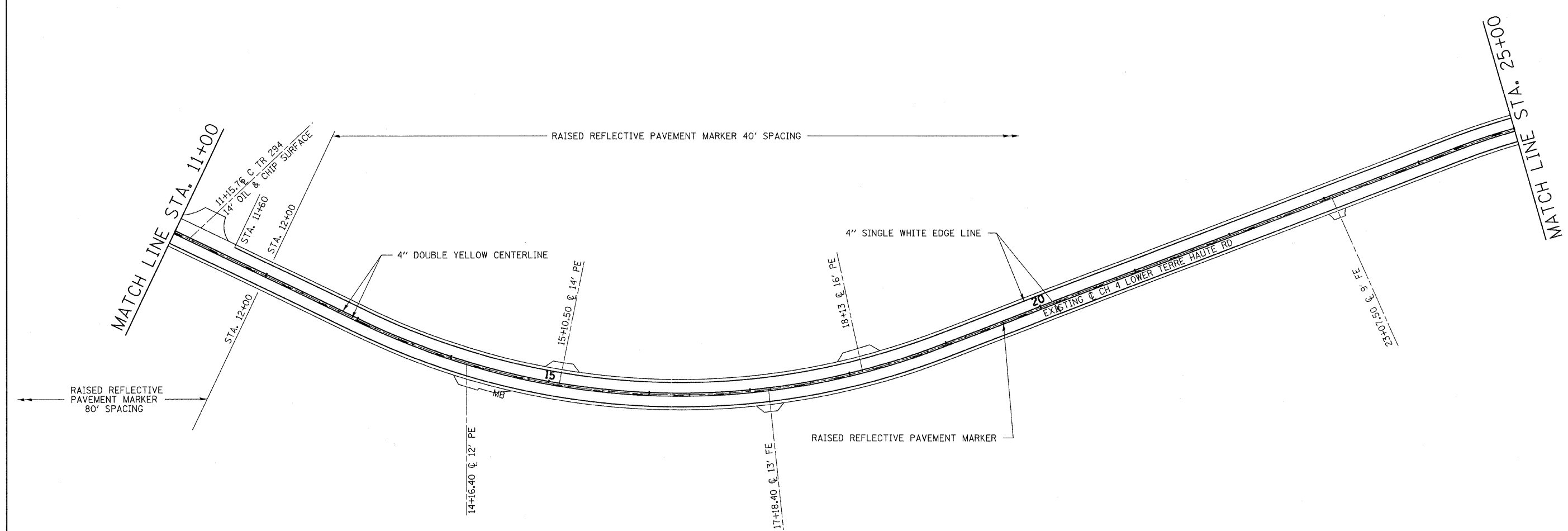
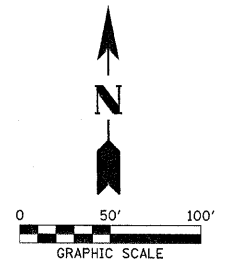
SECTION 1, T.12N., R.11W., 2nd P.M.

PAVEMENT MARKING SHEETS

SECTION 1, T.12N., R.11W., 2nd P.M.

SECTION 6, T.12N., R.10W., 2nd P.M.

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	36
EDGAR COUNTY, ILLINOIS		CONTRACT NO. 91467		




SECTION 1, T.12N., R.11W., 2nd P.M.

SECTION 6, T.12N., R.10W., 2nd P.M.

PAVEMENT MARKING SHEETS

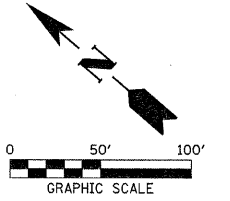
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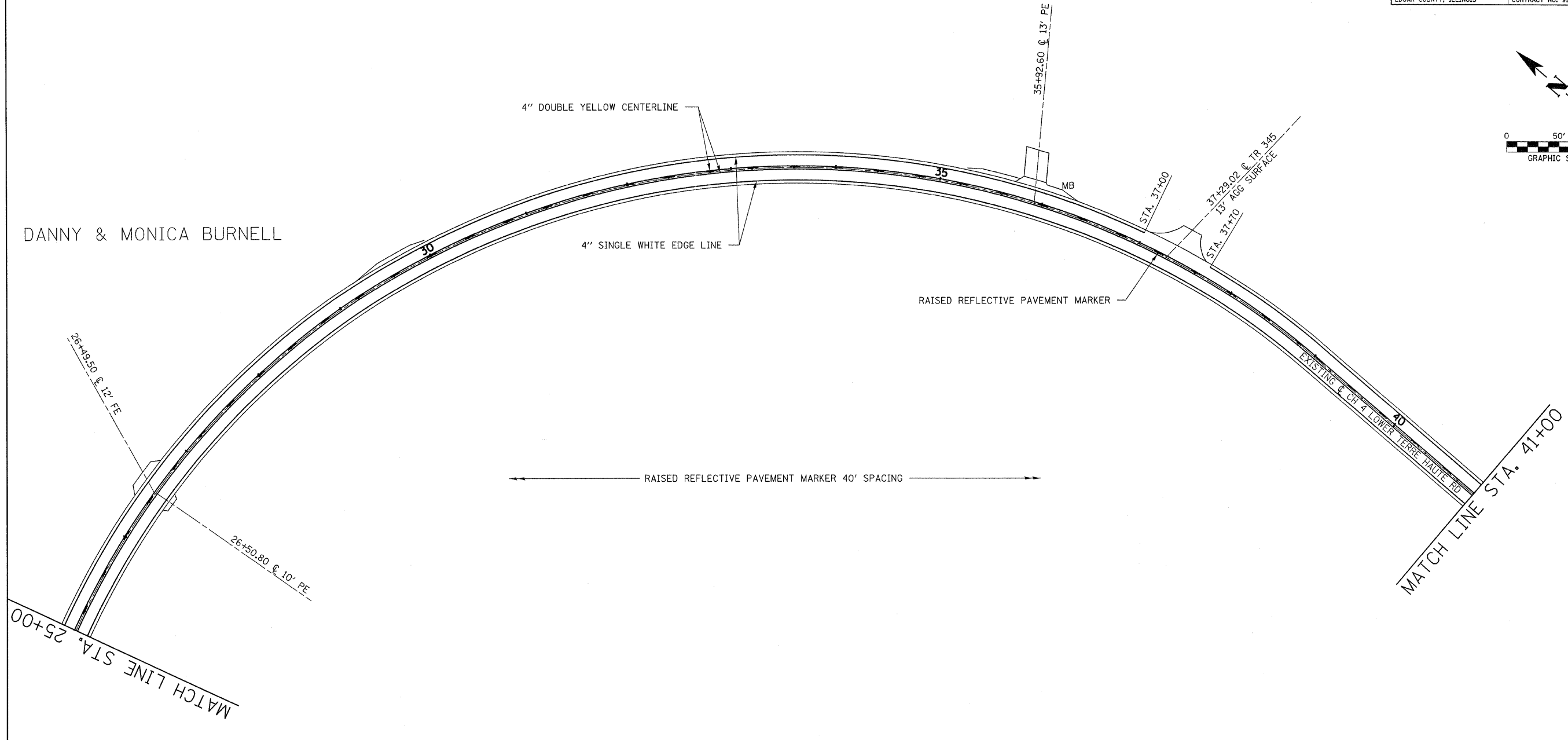
**EDGAR COUNTY
HIGHWAY DEPARTMENT**

SECTION 6, T.12N., R.10W., 2nd P.M.


F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	37
EDGAR COUNTY, ILLINOIS		CONTRACT NO. 91467		



DANNY & MONICA BURNELL



FILE NAME = 110330-shl-pvntmrk.dgn
 PLOT DATE = 1/19/2012
 SCALE: 1"= 50'



**EDGAR COUNTY
 HIGHWAY DEPARTMENT**

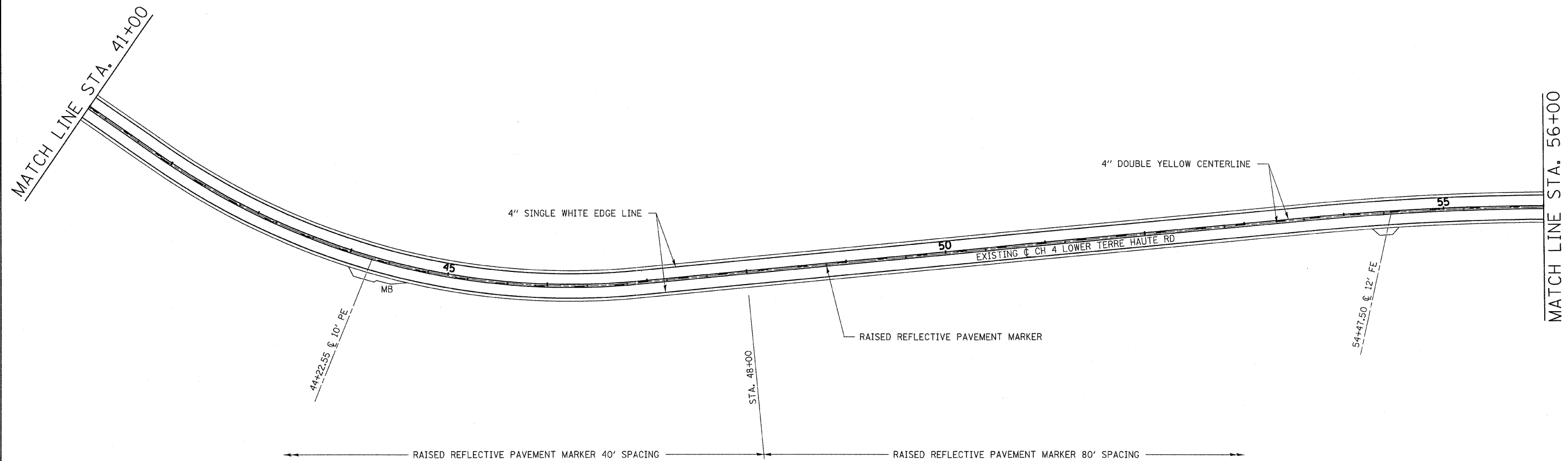
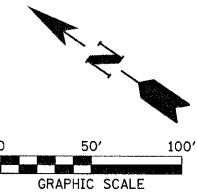
SECTION 6, T.12N., R.10W., 2nd P.M.

PAVEMENT MARKING SHEETS

SECTION 6, T.12N., R.10W., 2nd P.M.

SECTION 7, T.12N., R.10W., 2nd P.M.

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	38
EDGAR COUNTY, ILLINOIS		CONTRACT NO. 9146T		



SECTION 6, T.12N., R.10W., 2nd P.M.

SECTION 7, T.12N., R.10W., 2nd P.M.

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PLOT DATE = 1/19/2012
SCALE: 1" = 50'

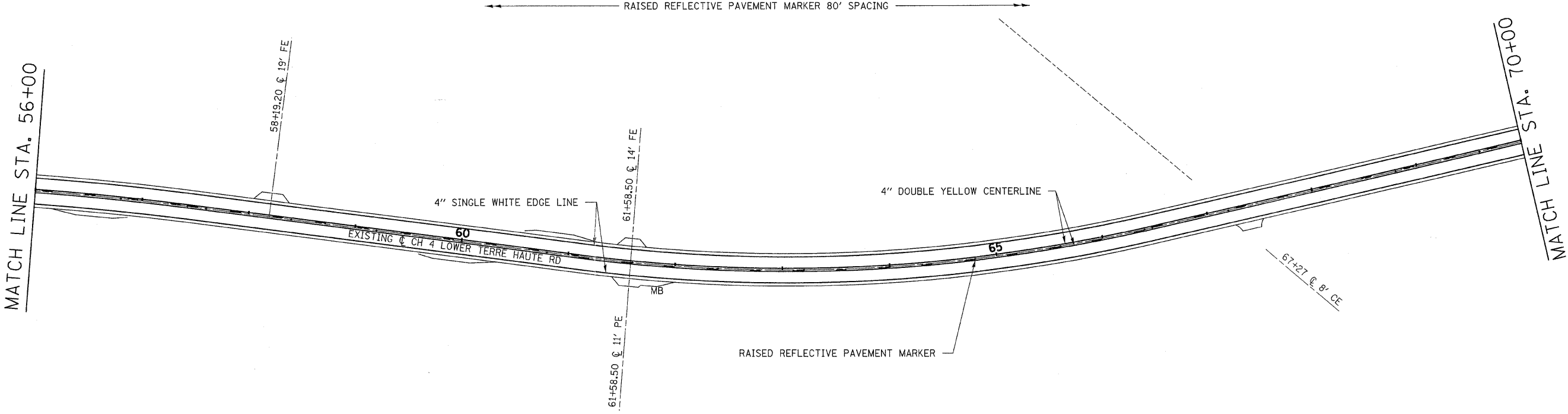
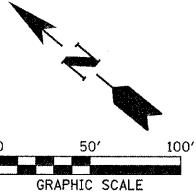


**EDGAR COUNTY
HIGHWAY DEPARTMENT**

PAVEMENT MARKING SHEETS

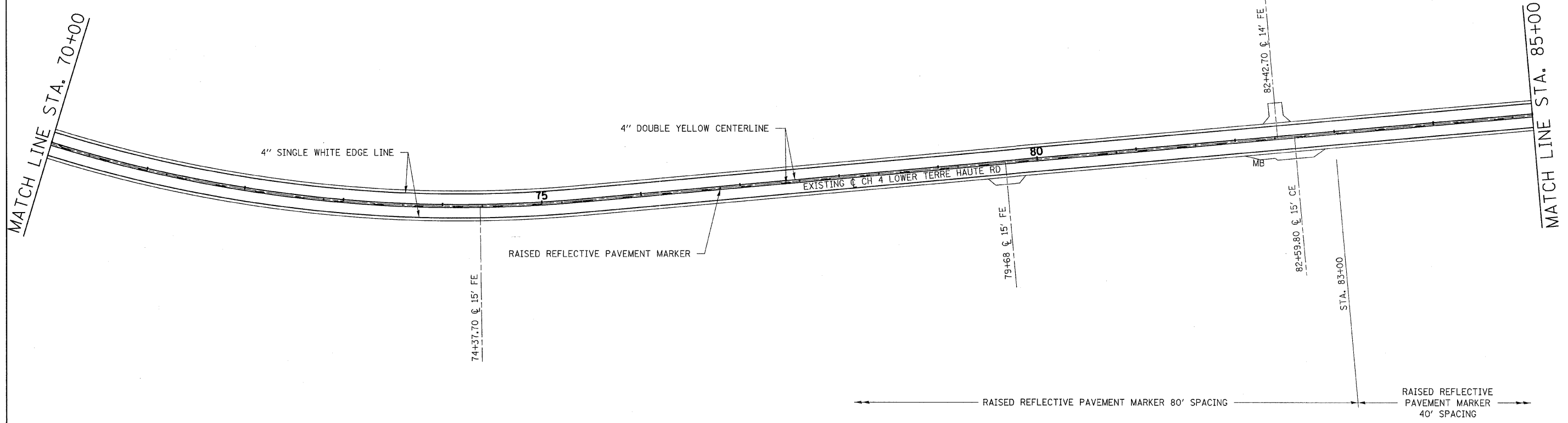
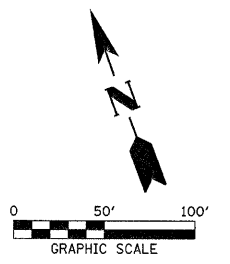
SECTION 7, T.12N., R.10W., 2nd P.M.

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	39
EDGAR COUNTY, ILLINOIS		CONTRACT NO. 91467		



SECTION 7, T.12N., R.10W., 2nd P.M.

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	40
EDGAR COUNTY, ILLINOIS		CONTRACT NO. 91467		



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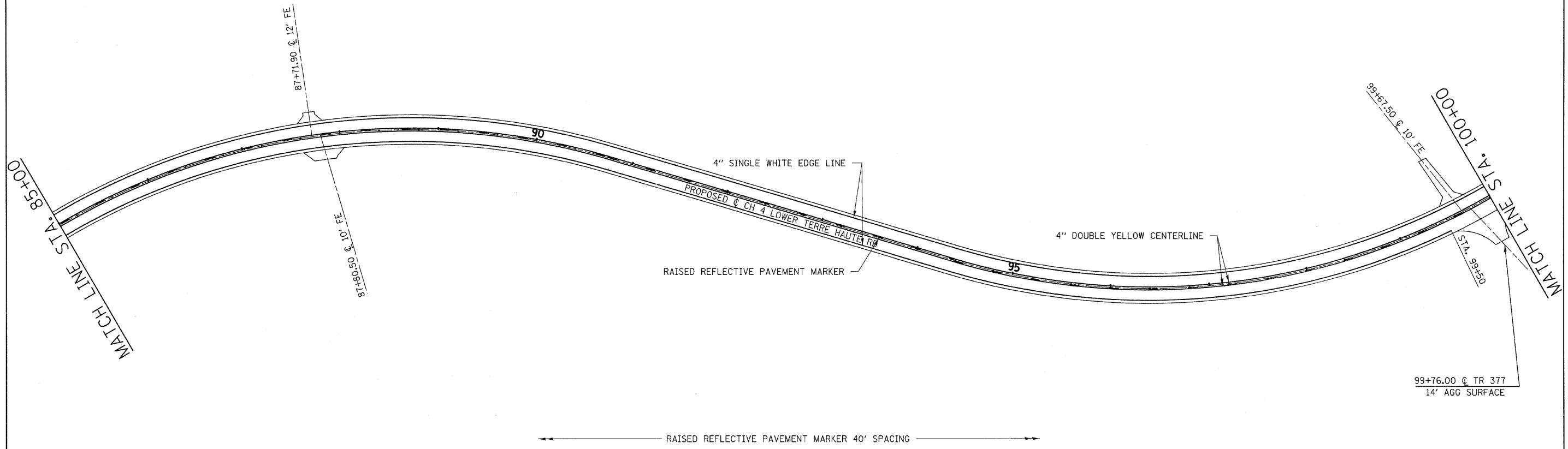
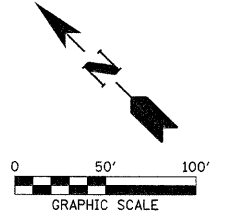
**EDGAR COUNTY
 HIGHWAY DEPARTMENT**

SECTION 7, T.12N., R.10W., 2nd P.M.

PAVEMENT MARKING SHEETS

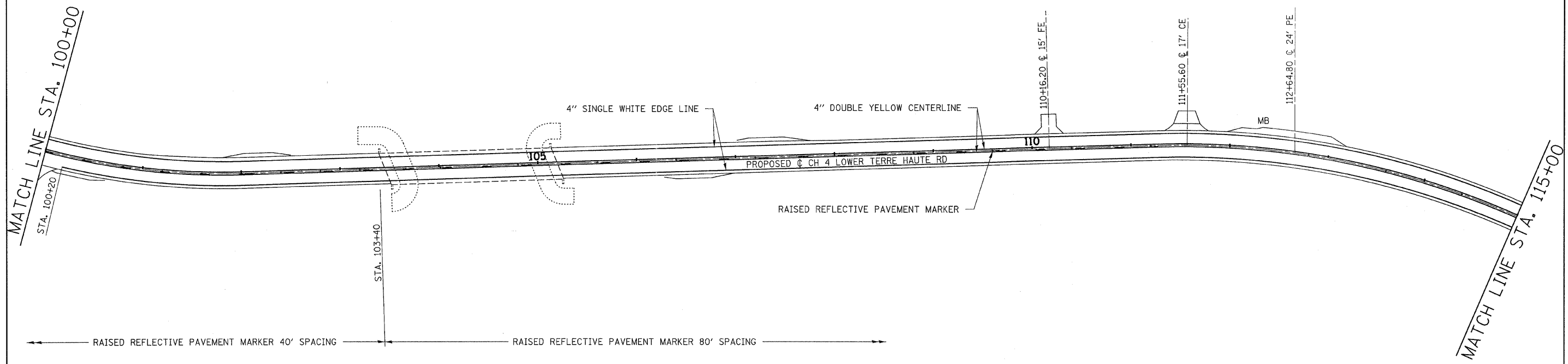
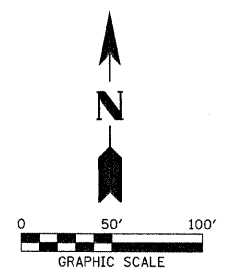
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680	10-00101-00-SP	EDGAR	132	41
EDGAR COUNTY, ILLINOIS		CONTRACT NO. 91467		



SECTION 8, T.12N., R.10W., 2nd P.M.

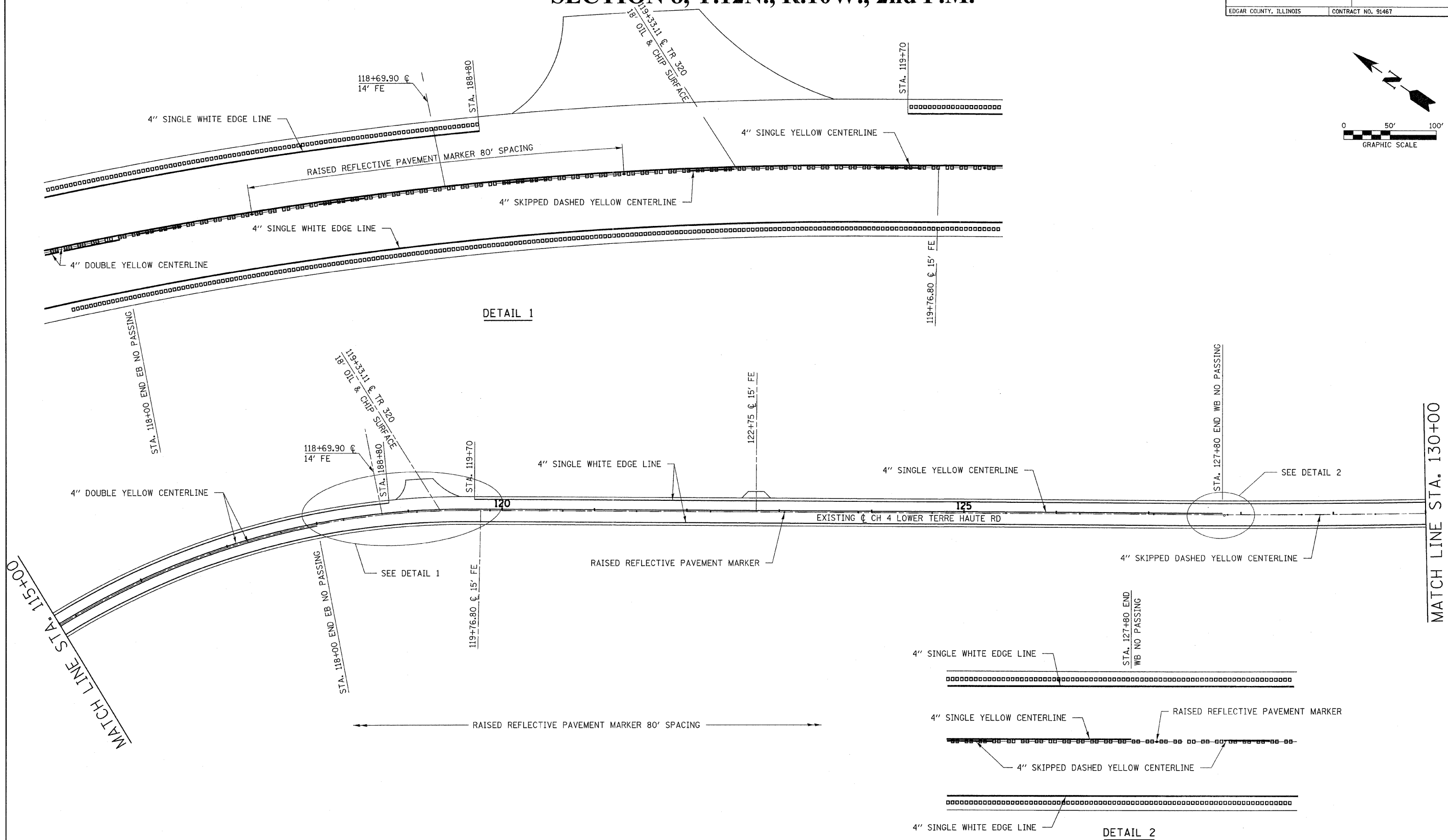
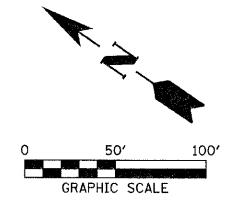
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680	10-00101-00-SP	EDGAR	132	42
EDGAR COUNTY, ILLINOIS		CONTRACT NO. 91467		



SECTION 8, T.12N., R.10W., 2nd P.M.

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	43

EDGAR COUNTY, ILLINOIS | CONTRACT NO. 91467



DETAIL 1

DETAIL 2

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 PLOT DATE = 1/19/2012
 SCALE: 1"= 50'



**EDGAR COUNTY
 HIGHWAY DEPARTMENT**

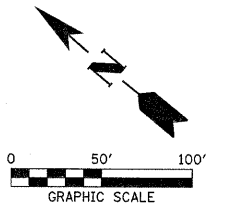
SECTION 8, T.12N., R.10W., 2nd P.M.

PAVEMENT MARKING SHEETS

SECTION 8, T.12N., R.10W., 2nd P.M.

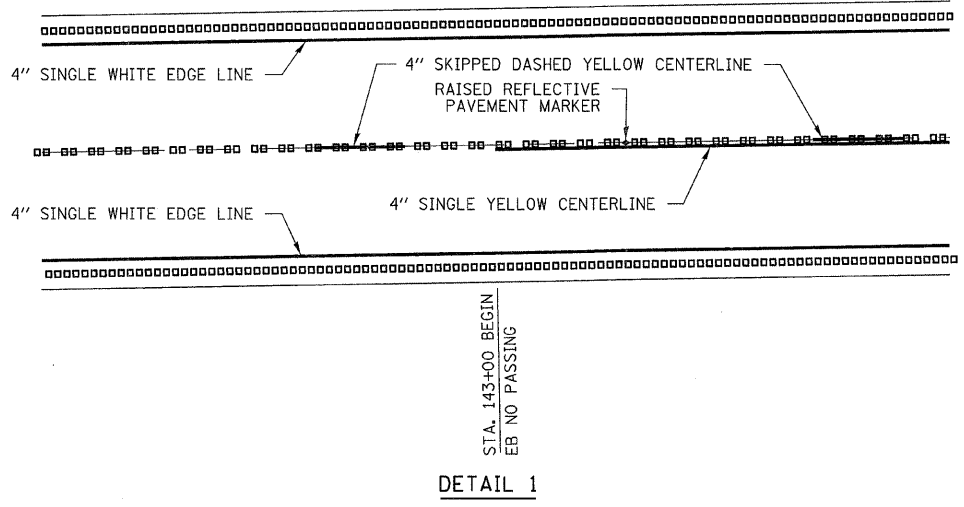
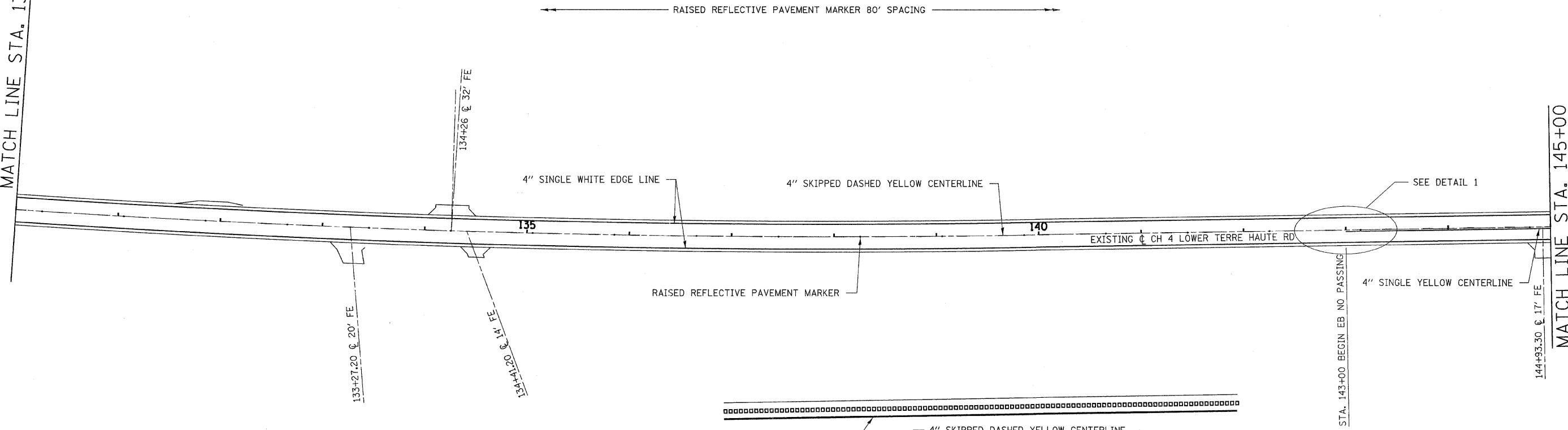
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	44

EDGAR COUNTY, ILLINOIS CONTRACT NO. 91467



MATCH LINE STA. 130+00

MATCH LINE STA. 145+00



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 SCALE: 1" = 50'

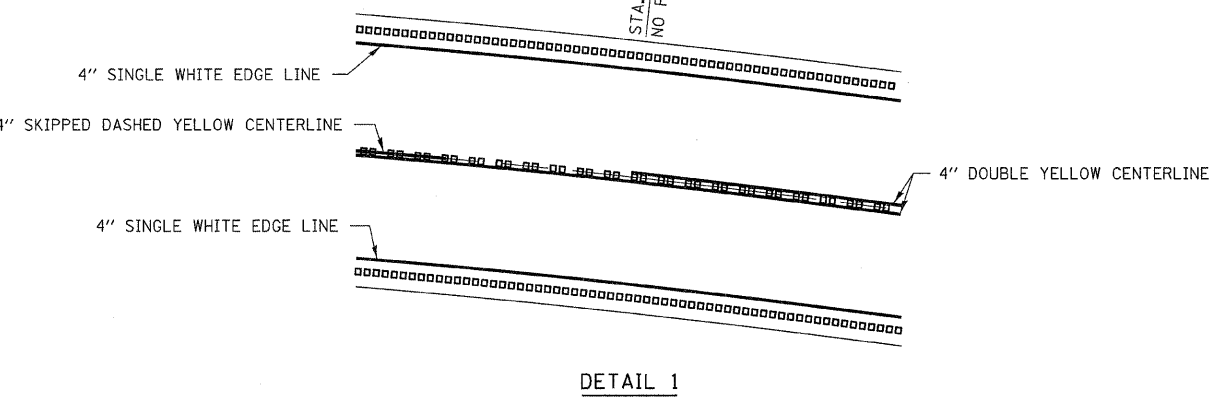
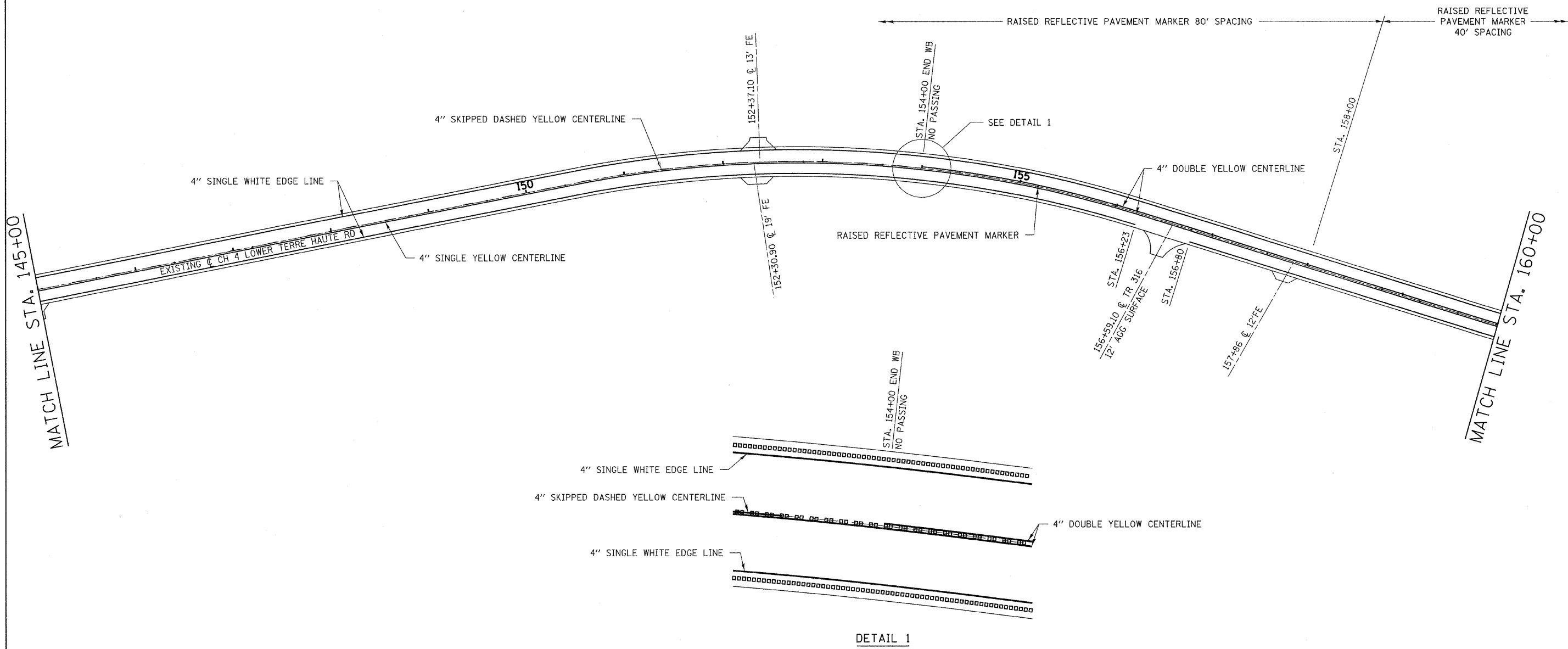
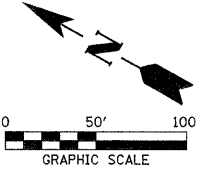


SECTION 8, T.12N., R.10W., 2nd P.M.

PAVEMENT MARKING SHEETS

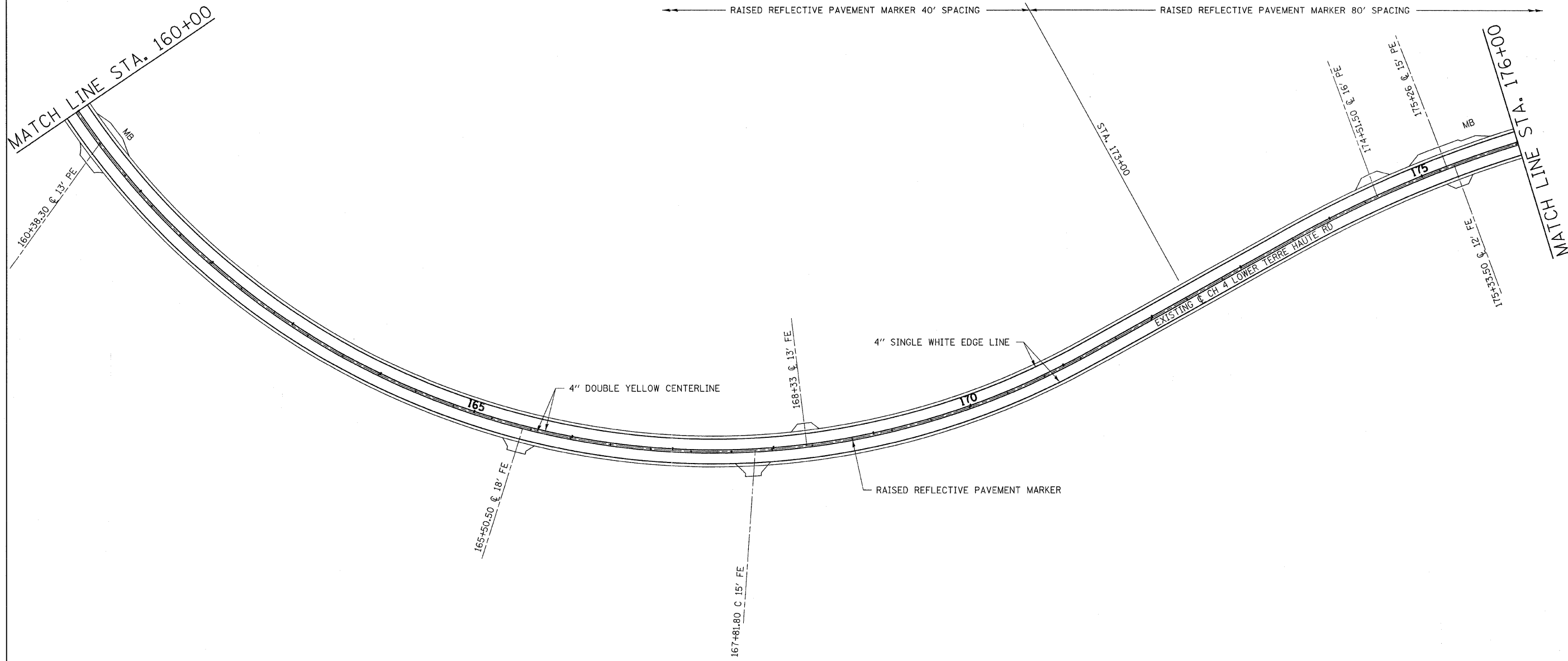
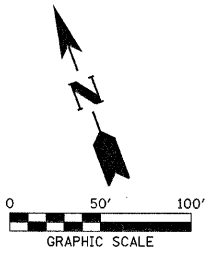
SECTION 17, T.12N., R.10W., 2nd P.M.

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	45
EDGAR COUNTY, ILLINOIS		CONTRACT NO. 91467		



SECTION 17, T.12N., R.10W., 2nd P.M.

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	46
EDGAR COUNTY, ILLINOIS		CONTRACT NO. 91467		



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PLOT DATE = 1/19/2012
SCALE: 1" = 50'



**EDGAR COUNTY
HIGHWAY DEPARTMENT**

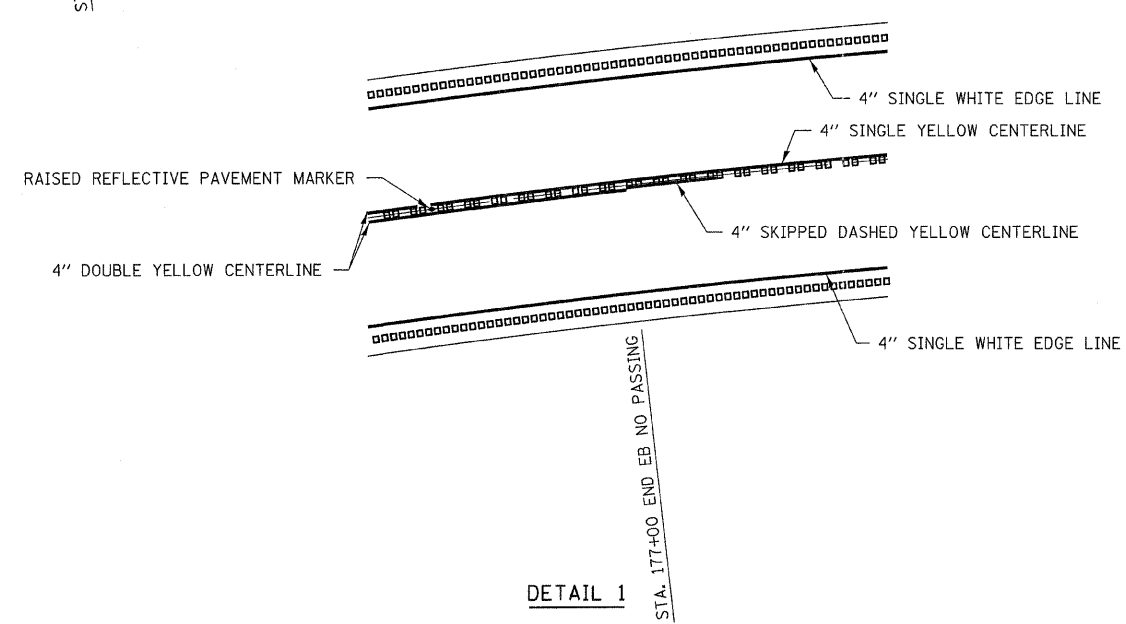
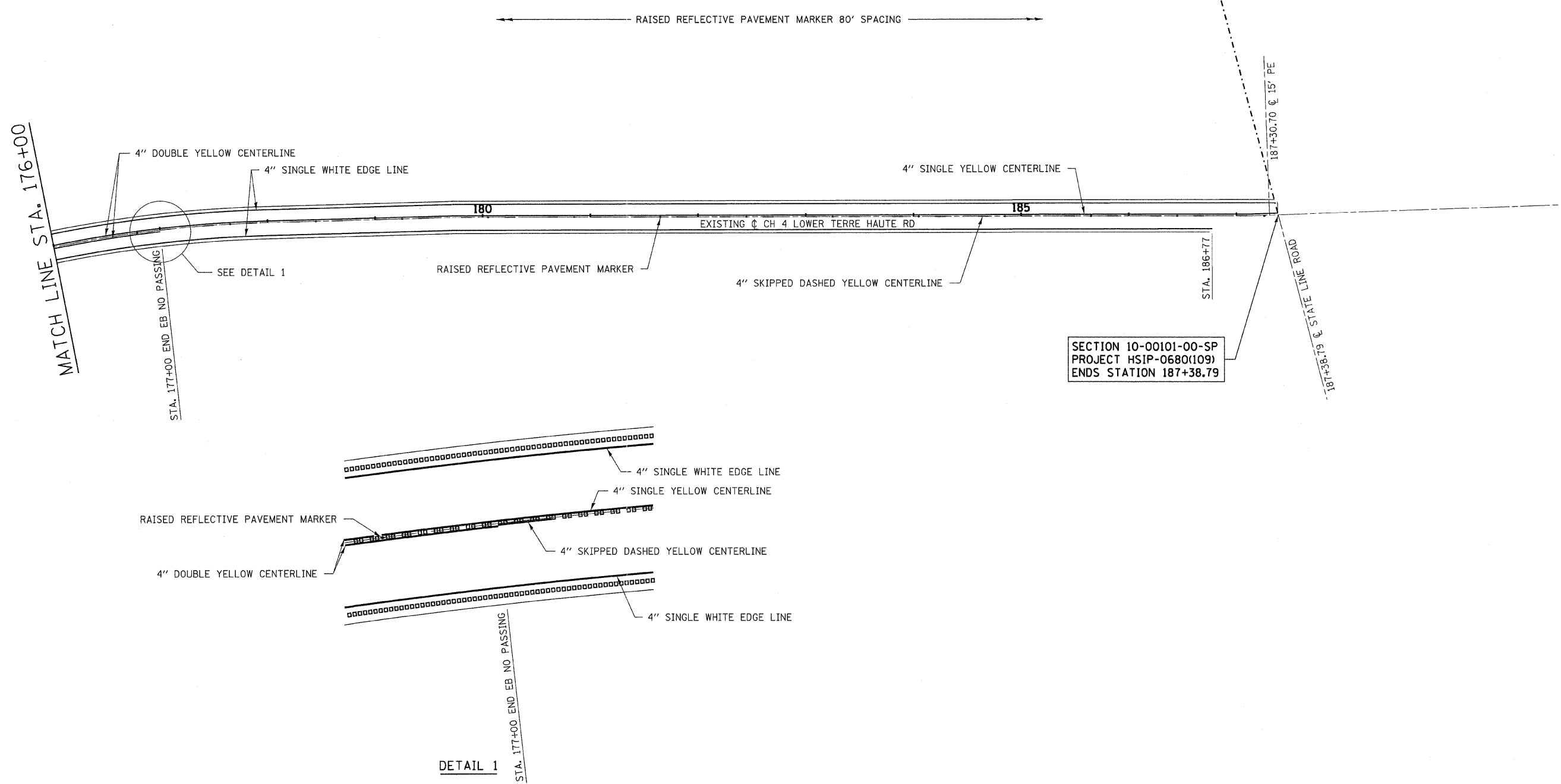
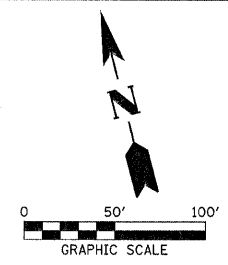
SECTION 17, T.12N., R.10W., 2nd P.M.

PAVEMENT MARKING SHEETS

SECTION 17, T.12N., R.10W., 2nd P.M.

SECTION 16, T.12N., R.10W., 2nd P.M.

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	47
EDGAR COUNTY, ILLINOIS		CONTRACT NO. 91467		




SECTION 17, T.12N., R.10W., 2nd P.M.

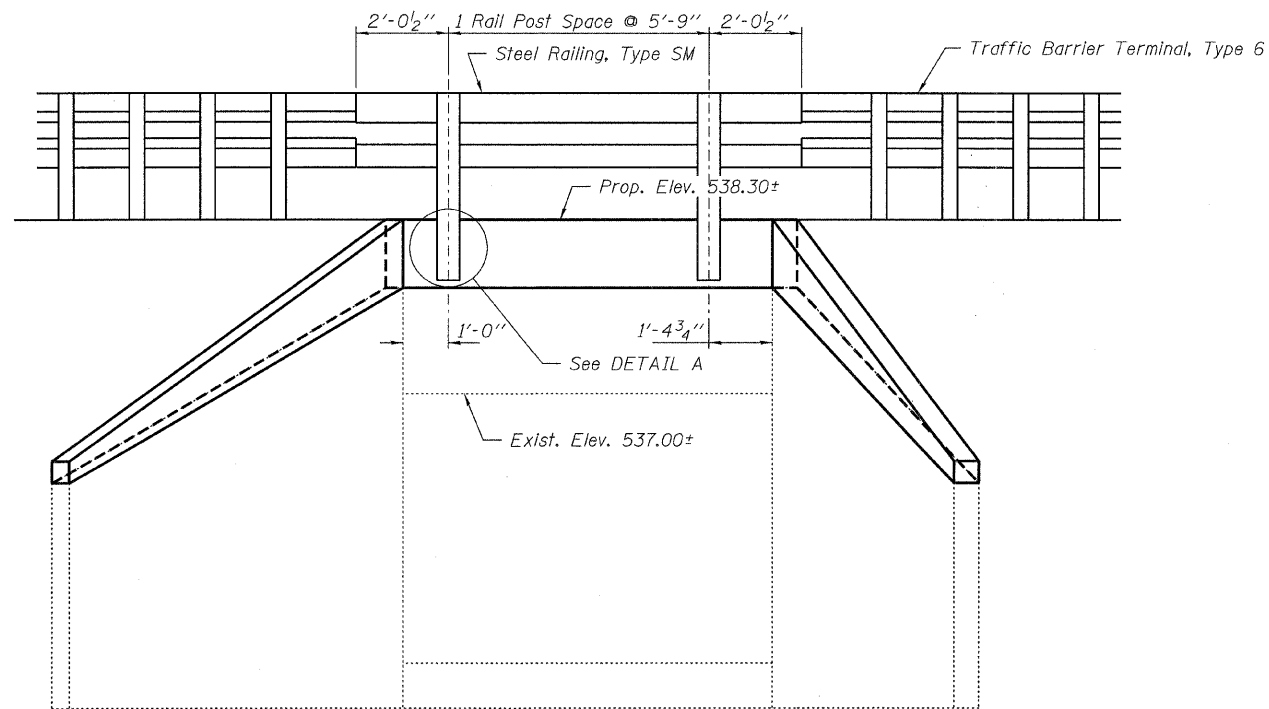
SECTION 16, T.12N., R.10W., 2nd P.M.

PAVEMENT MARKING SHEETS

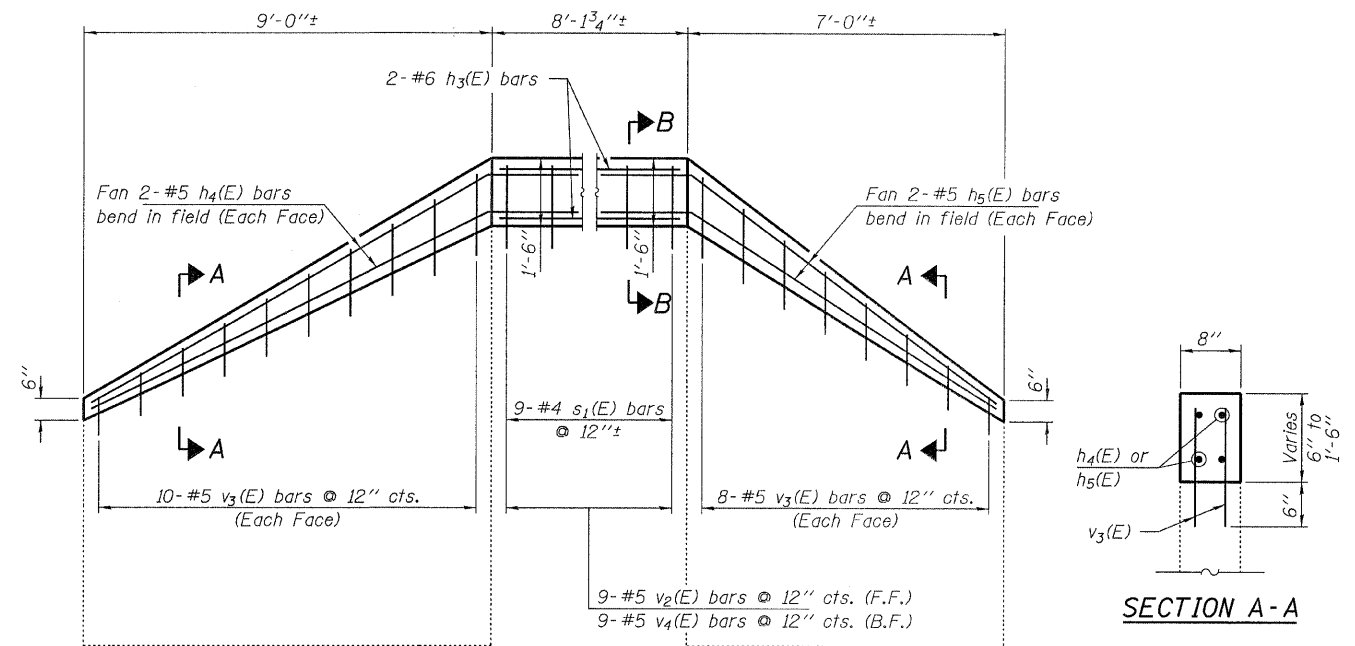
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 PLOT DATE = 1/19/2012
 SCALE: 1" = 50'



**EDGAR COUNTY
HIGHWAY DEPARTMENT**



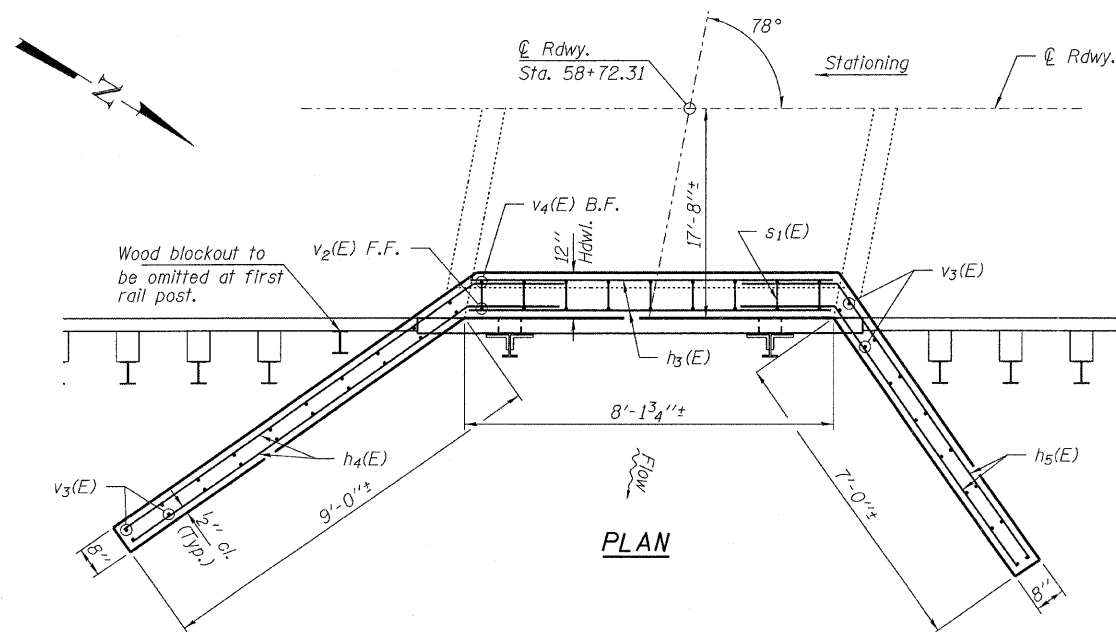
ELEVATION
Showing Rail Post Spaces
See sheet 4 of 4 for Railing Details.



SOUTH WINGWALL ELEVATION

NORTH WINGWALL ELEVATION

Note:
Reinforcement bars shall be drilled and grouted into the existing headwalls and wingwalls. A grout approved by the Department or epoxy grout in accordance with Section 584 of the Standard Specifications, shall be used. The method of grout application shall be approved by the Engineer. Drilling and grouting of reinforcement bars into existing concrete shall be included in the cost of reinforcement bars, epoxy coated.



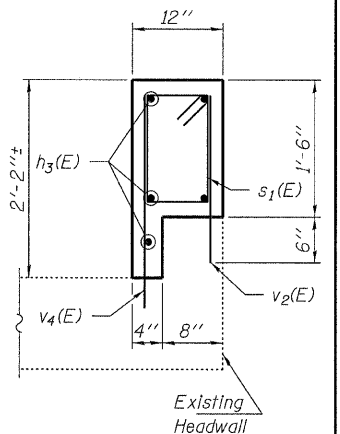
PLAN

FIELD CUTTING DIAGRAM - S. WING

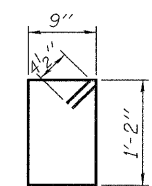
Order v₃(E) full length. Cut as shown and use remainder in opposite face.

FIELD CUTTING DIAGRAM - N. WING

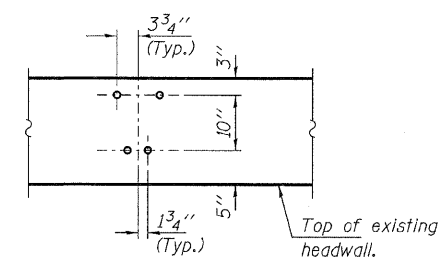
Order v₃(E) full length. Cut as shown and use remainder in opposite face.



SECTION B-B



BAR S₁(E)



DETAIL A

BILL OF MATERIAL - EAST END

BAR	NO.	SIZE	LENGTH	SHAPE
h ₃ (E)	5	#6	8'-0"	—
h ₄ (E)	4	#5	11'-0"	—
h ₅ (E)	4	#5	9'-0"	—
s ₁ (E)	9	#4	4'-7"	□
v ₂ (E)	9	#5	1'-10"	—
v ₃ (E)	18	#5	2'-8"	—
v ₄ (E)	9	#5	2'-6"	—
Reinforcement Bars, Epoxy Coated			Pound	260
Concrete Box Culverts			Cu. Yd.	1.0

FILE NAME = 110330-sh-culvert-extensions.dwg
 DESIGNED - A.S.L.
 CHECKED - S.W.M.
 DRAWN - D.T.M.
 CHECKED - S.W.M.
 PLOT SCALE =
 PLOT DATE = 1/19/2012

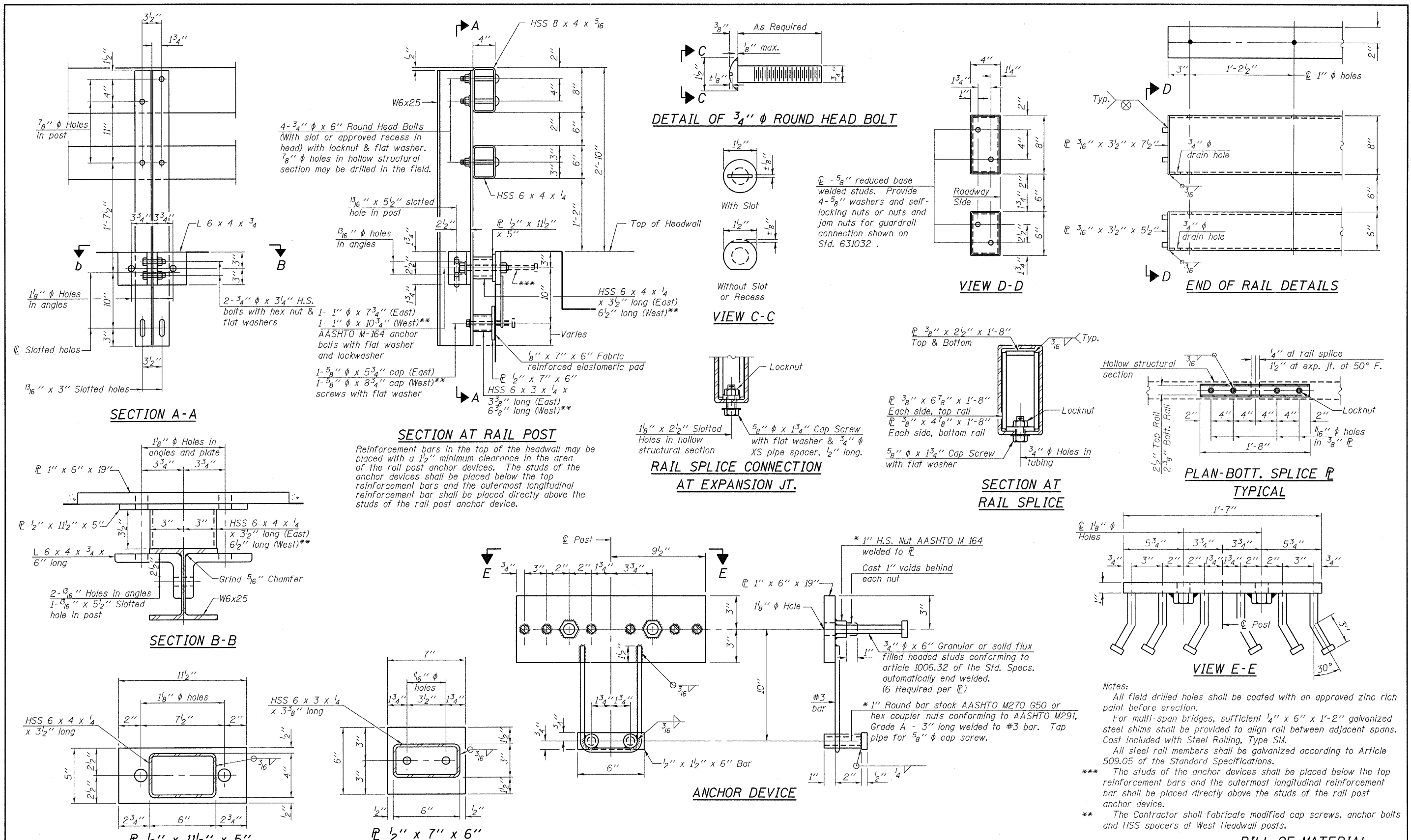
DESIGNED - A.S.L.
 CHECKED - S.W.M.
 DRAWN - D.T.M.
 CHECKED - S.W.M.
 REVISIONS:
 REVISIONS -
 REVISIONS -
 REVISIONS -

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

CULVERT DETAILS - EAST END
CULVERT STA. 58 + 72.31

SHEET NO. 3 OF 4 SHEETS

C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4	10-00101-00-SP	EDGAR	132	50
				CONTRACT NO. 91467
ILLINOIS FED. AID PROJECT HSIP-0680109				



R-34HMAWS 7-1-10 (6'-3" Maximum Post Spacing) (1 1/4" minimum to 3 1/8" maximum HMA thickness)

*Threaded areas shall be plugged or blocked off during casting of beam. Galvanized after fabrication.

Notes:
 All field drilled holes shall be coated with an approved zinc rich paint before erection.
 For multi-span bridges, sufficient 1/4" x 6" x 1'-2" galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with Steel Railing, Type SM.
 All steel rail members shall be galvanized according to Article 509.05 of the Standard Specifications.
 *** The studs of the anchor devices shall be placed below the top reinforcement bars and the outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchor device.
 ** The Contractor shall fabricate modified cap screws, anchor bolts and HSS spacers at West Headwall posts.

BILL OF MATERIAL

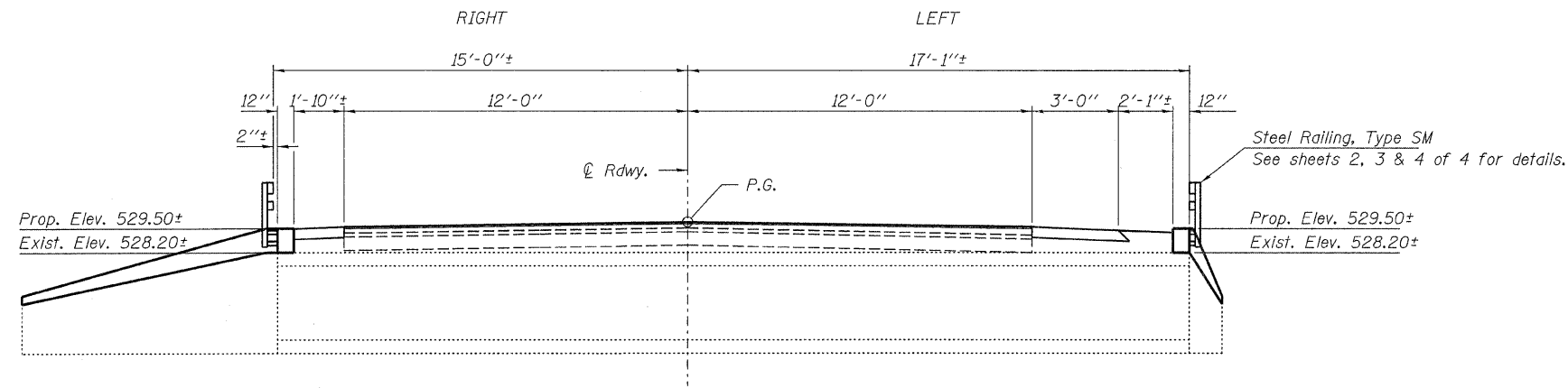
Item	Unit	Quantity
Steel Railing, Type SM	Foot	25

FILE NAME = 110230-shr-culvert-tensioning	DESIGNED - A.S.L.	REVISIONS
USER NAME =	CHECKED - S.W.M.	REVISIONS
HAMPTON, LENZINI AND RENWICK, INC.	DRAWN - D.T.M.	REVISIONS
300 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62761	CHECKED - S.W.M.	REVISIONS
ILLINOIS PROFESSIONAL DESIGN FIRM L.S./P.E. 060989		

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

STEEL RAILING, TYPE SM
CULVERT STA. 58 + 72.31
 SHEET NO. 4 OF 4 SHEETS

C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4	10-00101-00-SP	EDGAR	132	51
				CONTRACT NO. 91467
ILLINOIS FED. AID PROJECT HSIP-06801091				



ELEVATION

Note: Roadway dimensions shown are perpendicular to roadway.

GENERAL NOTES

Plan dimensions and details relative to existing structure have been taken from field survey and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Excavation required to construct the headwalls and wingwalls shall be included in the cost of Concrete Box Culverts. No additional compensation will be allowed for structure excavation.

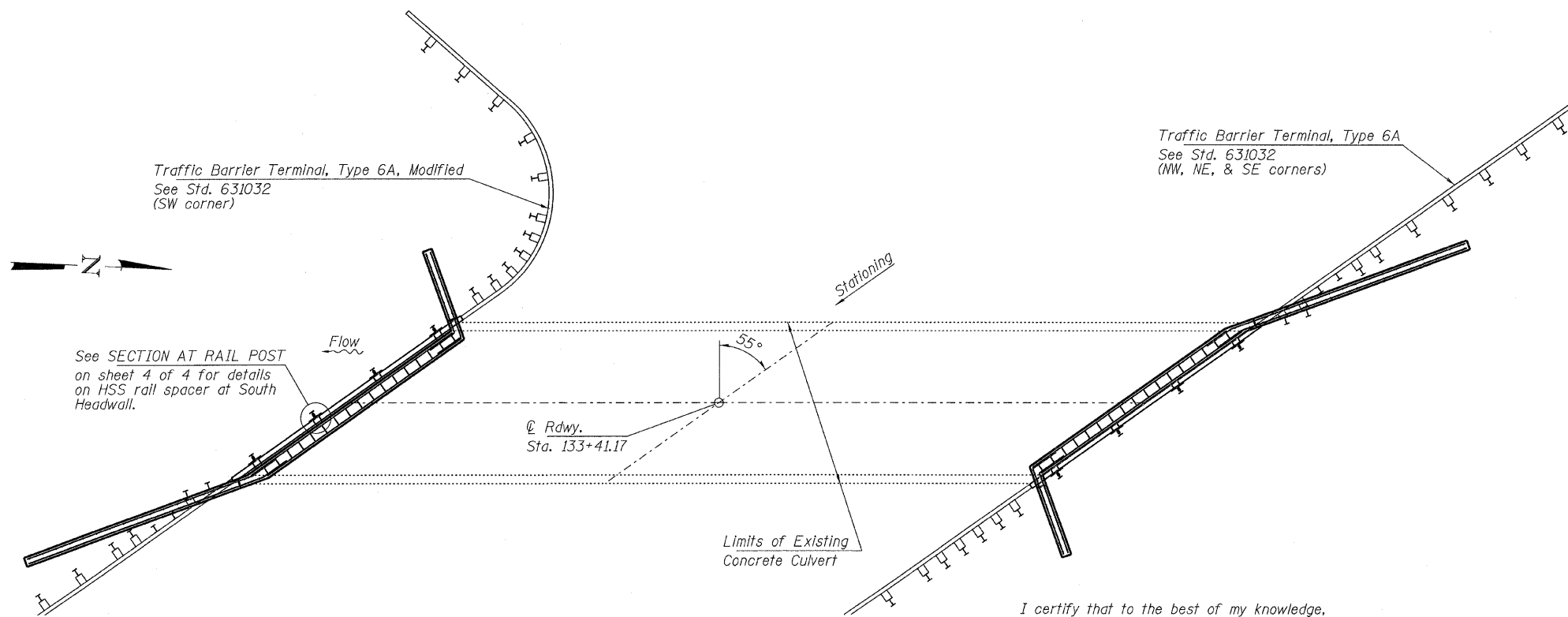
Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

Reinforcement bars shall conform to the requirements of ASTM A 706 Grade 60. See Special Provisions.

All construction joints shall be bonded, except as noted.

Reinforcement bars designated (E) shall be epoxy coated.

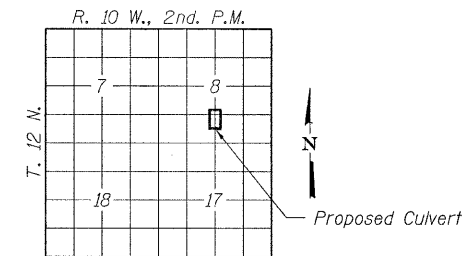
Exposed edges shall be beveled 3#4".



PLAN

INDEX OF STRUCTURE SHEETS

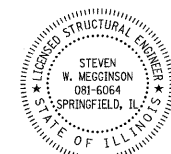
1. General Plan & Elevation
2. Culvert Details - South End
3. Culvert Details - North End
4. Steel Railing, Type SM



LOCATION SKETCH

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

Steven W. McGinnson
ILLINOIS STRUCTURAL NO. 081-6064



Expires 11-30-2012

TOTAL BILL OF MATERIAL

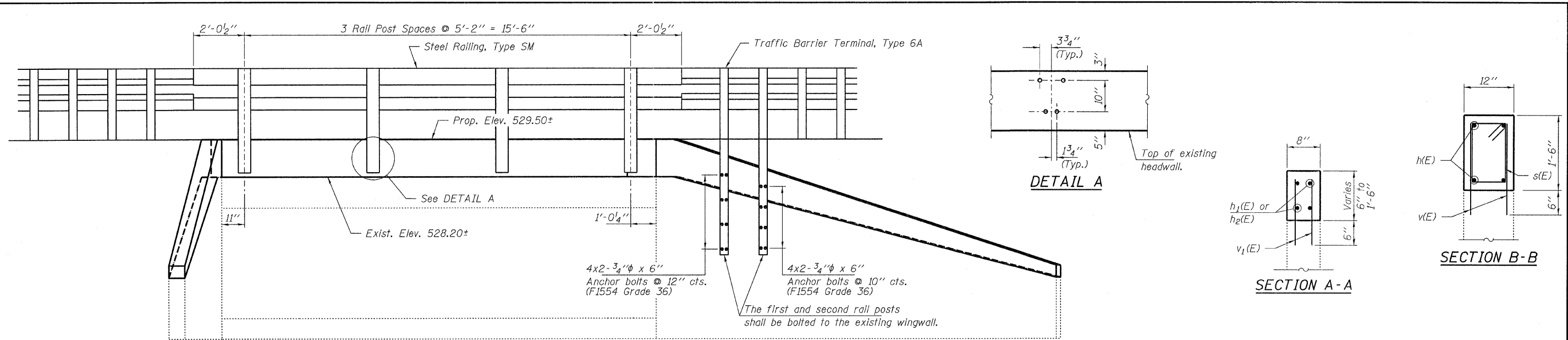
ITEM	UNIT	TOTAL
Reinforcement Bars, Epoxy Coated	Pound	800
Steel Railing, Type SM	Foot	40
Anchor Bolts, 3/4"	Each	32
Concrete Box Culverts	Cu. Yd.	3.2

DESIGN STRESSES

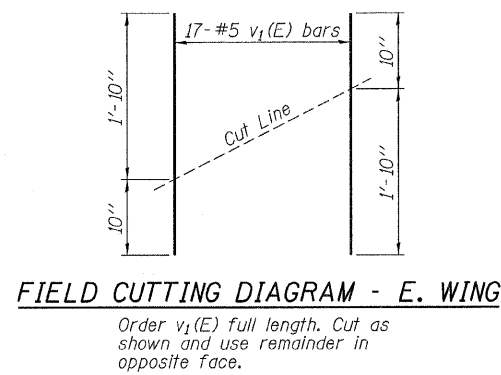
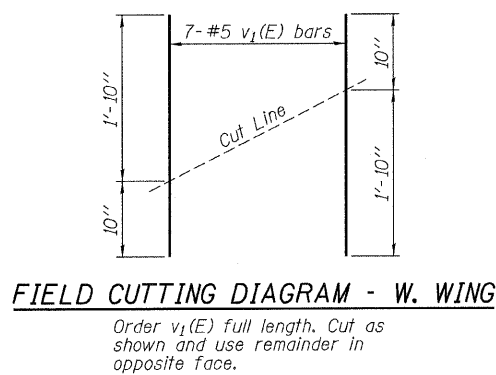
FIELD UNITS

$f'_c = 3,500 \text{ psi}$
 $f_y = 60,000 \text{ psi (Reinf.)}$

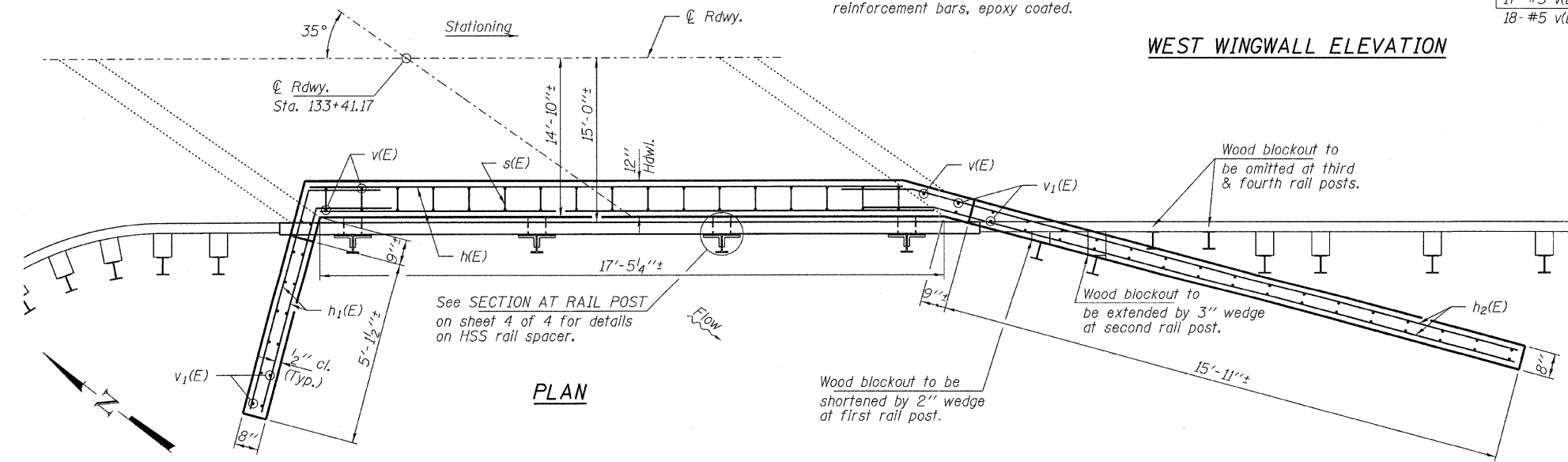
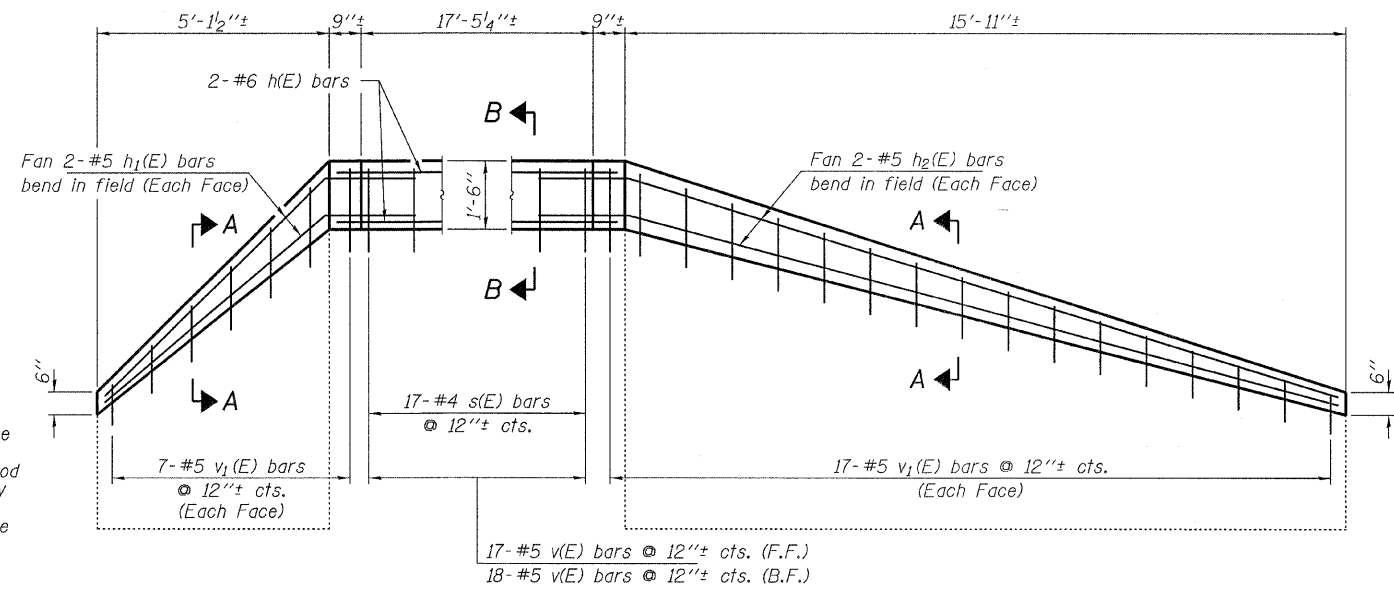
FILE NAME = 110330-shr-culvert-textensions	DRAWN - D.T.M.	DESIGNED - A.S.L.	REVISIONS	STATE OF ILLINOIS EDGAR COUNTY HIGHWAY DEPARTMENT	GENERAL PLAN & ELEVATION CULVERT STA. 133 + 41.17	C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3005 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62709	CHECKED - S.W.M.	REVISIONS	4			10-00101-00-SP	EDGAR	132	52	
ILLINOIS PROFESSIONAL DESIGN FIRM L.S. / P.E. / S.E. CORP. 184.000939	REVISIONS	REVISIONS	CONTRACT NO. 91467							
PLOT SCALE =	REVISIONS	REVISIONS	ILLINOIS FED. AID PROJECT HSIP-06801091							
PLOT DATE = 1/19/2012	CHECKED - S.W.M.	REVISIONS	SHEET NO. 1 OF 4 SHEETS							



ELEVATION
Showing Rail Post Spaces
See sheet 4 of 4 for Railing Details.



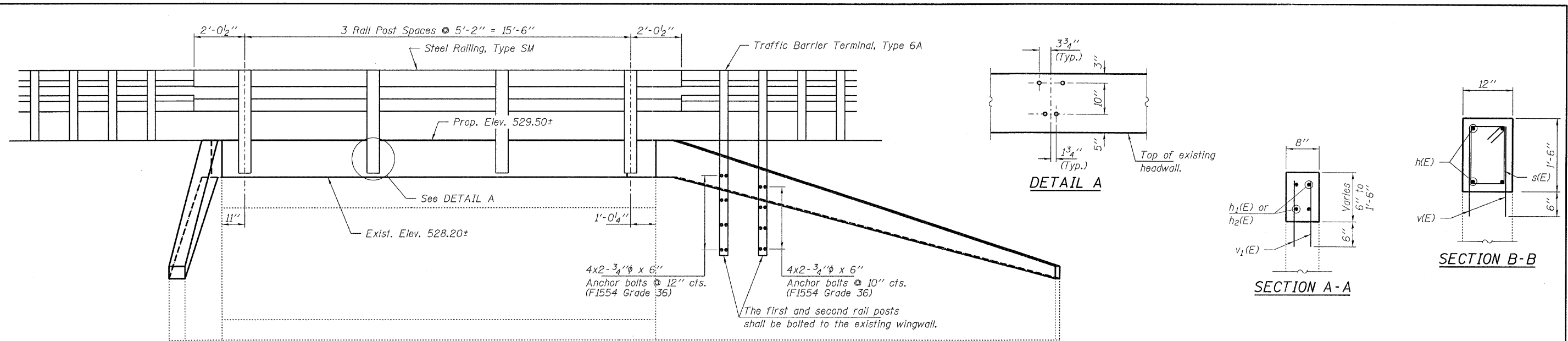
Note:
Reinforcement bars shall be drilled and grouted into the existing headwalls and wingwalls. A grout approved by the Department or epoxy grout in accordance with Section 584 of the Standard Specifications, shall be used. The method of grout application shall be approved by the Engineer. Drilling and grouting of reinforcement bars into existing concrete shall be included in the cost of reinforcement bars, epoxy coated.



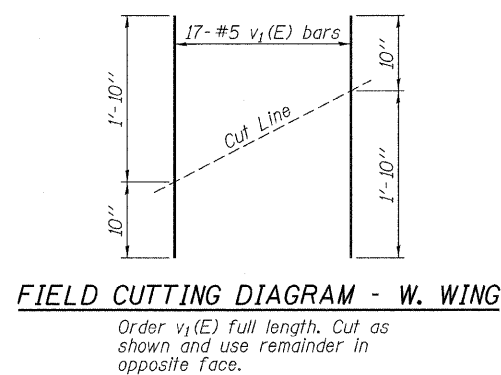
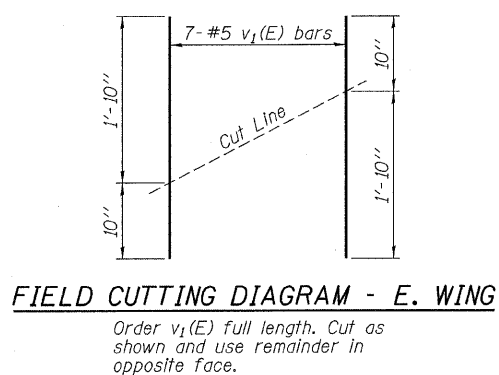
BILL OF MATERIAL - SOUTH END

BAR	NO.	SIZE	LENGTH	SHAPE	
h(E)	4	#6	17'-0"	—	
h ₁ (E)	4	#5	7'-9"	—	
h ₂ (E)	4	#5	18'-6"	—	
s(E)	17	#4	4'-7"	□	
v(E)	35	#5	1'-10"	—	
v ₁ (E)	24	#5	2'-8"	—	
Reinforcement Bars, Epoxy Coated				Pound	400
Anchor Bolts, 3/4"				Each	16
Concrete Box Culverts				Cu. Yd.	1.6

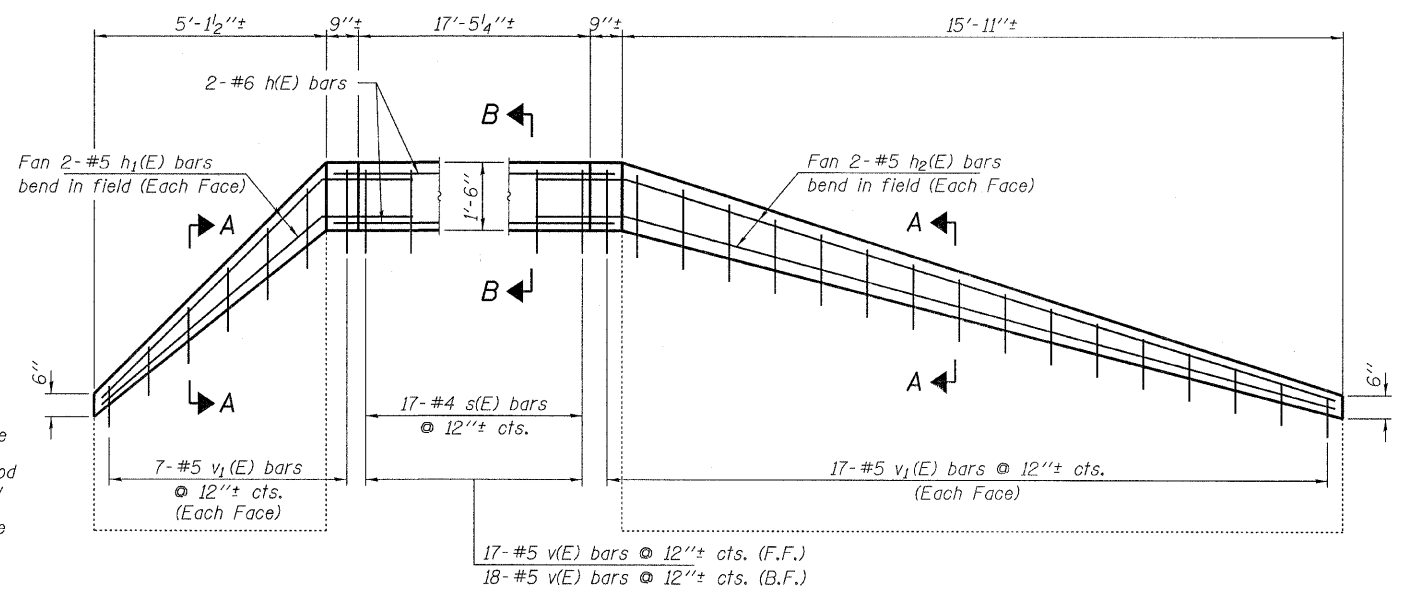
Notes:
Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (F_y = 36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.
Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.



ELEVATION
Showing Rail Post Spaces
See sheet 4 of 4 for Railing Details.

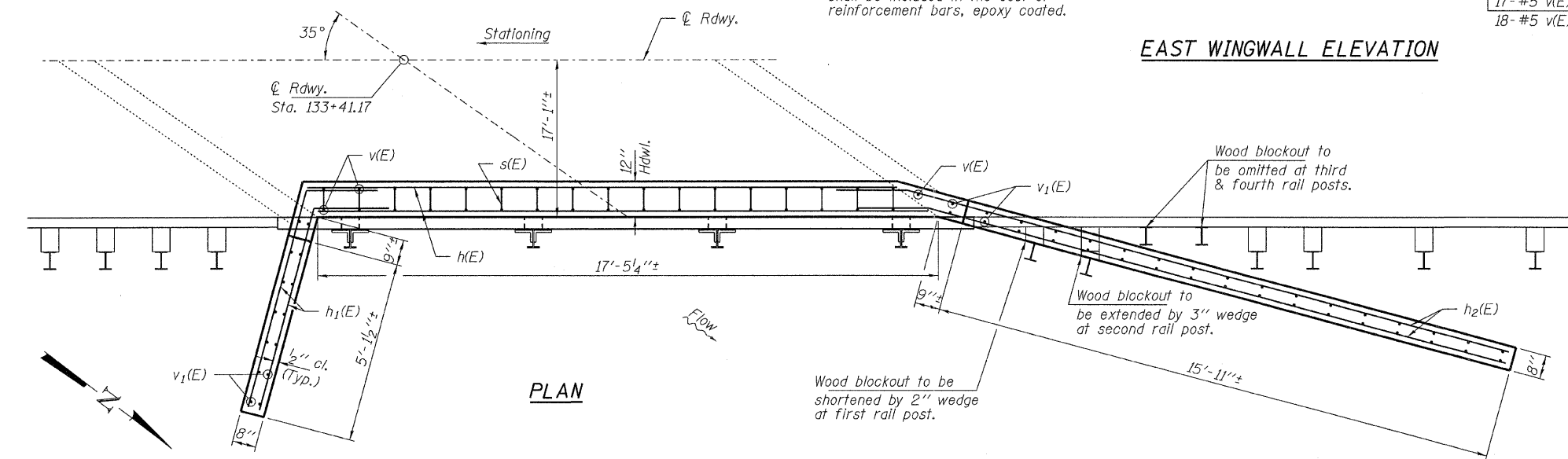


Note:
Reinforcement bars shall be drilled and grouted into the existing headwalls and wingwalls. A grout approved by the Department or epoxy grout in accordance with Section 584 of the Standard Specifications, shall be used. The method of grout application shall be approved by the Engineer. Drilling and grouting of reinforcement bars into existing concrete shall be included in the cost of reinforcement bars, epoxy coated.



EAST WINGWALL ELEVATION

WEST WINGWALL ELEVATION



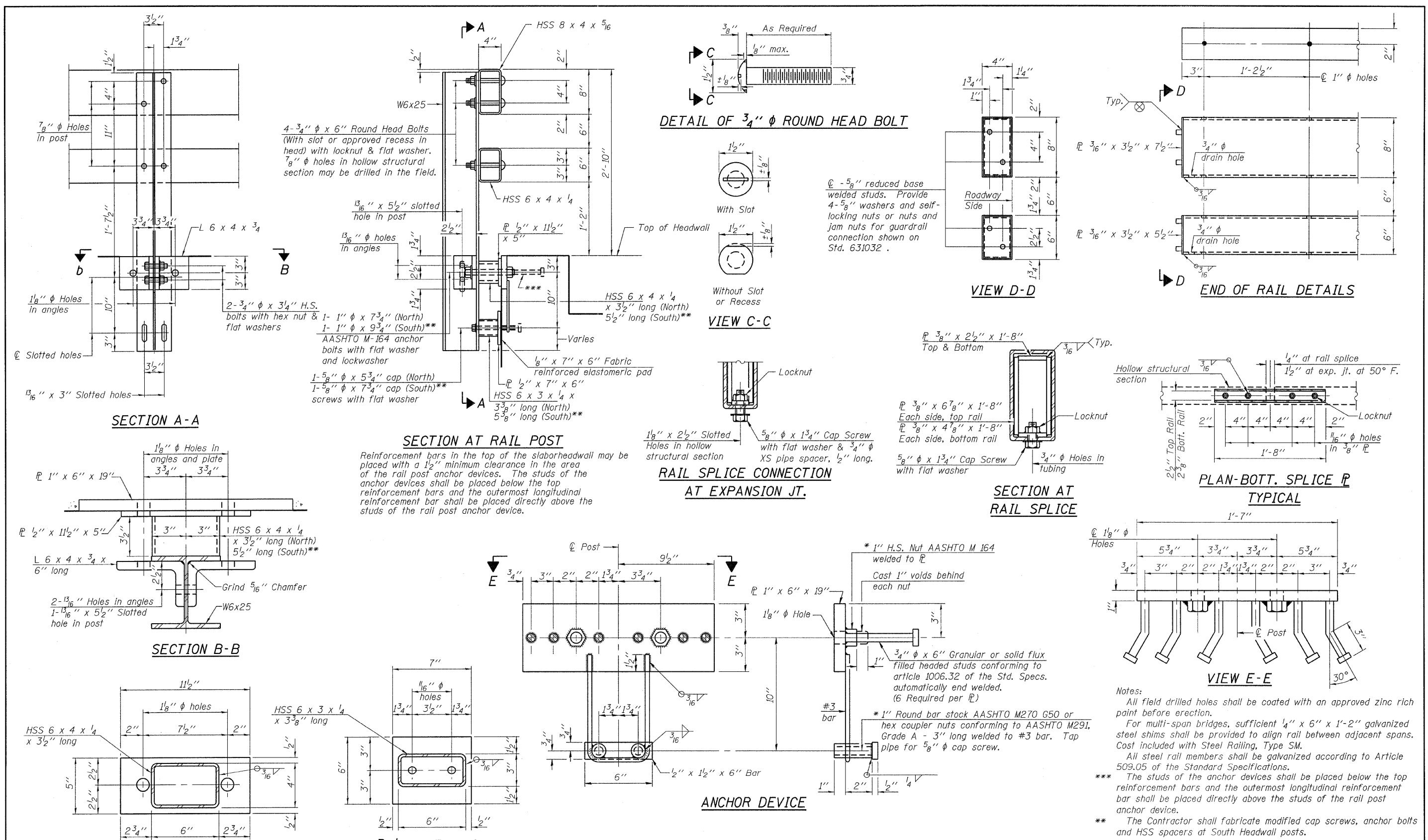
PLAN

BAR S(E)

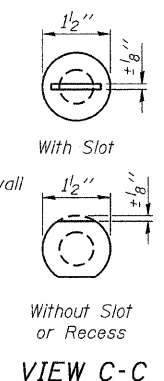
BILL OF MATERIAL - NORTH END

BAR	NO.	SIZE	LENGTH	SHAPE
h(E)	4	#6	17'-0"	—
h1(E)	4	#5	7'-9"	—
h2(E)	4	#5	18'-6"	—
s(E)	17	#4	4'-7"	□
v(E)	35	#5	1'-10"	—
v1(E)	24	#5	2'-8"	—
Reinforcement Bars, Epoxy Coated			Pound	400
Anchor Bolts, 3/4"			Each	16
Concrete Box Culverts			Cu. Yd.	1.6

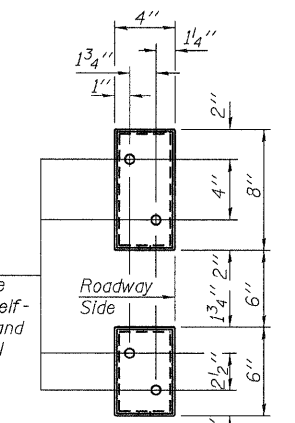
Notes:
Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy = 36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.
Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.



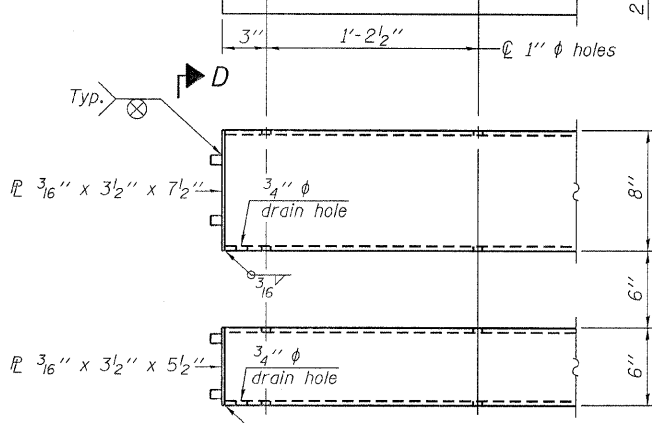
DETAIL OF 3/4" φ ROUND HEAD BOLT



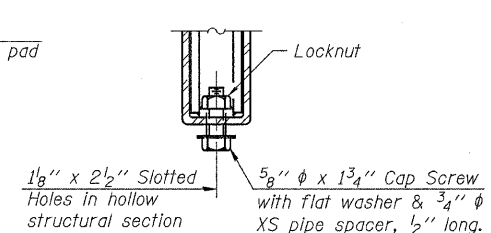
VIEW D-D



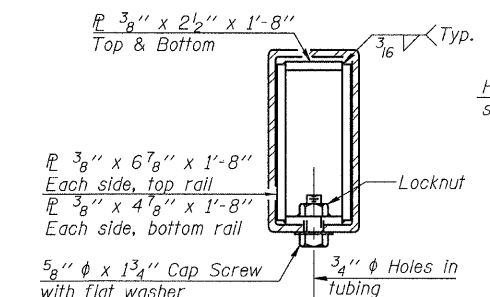
END OF RAIL DETAILS



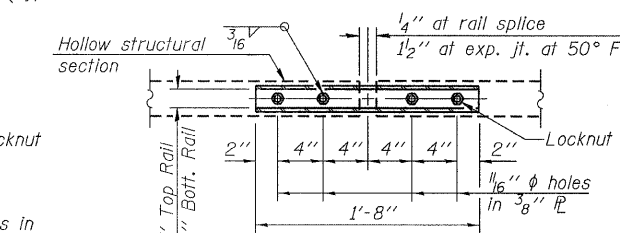
RAIL SPLICE CONNECTION AT EXPANSION JT.



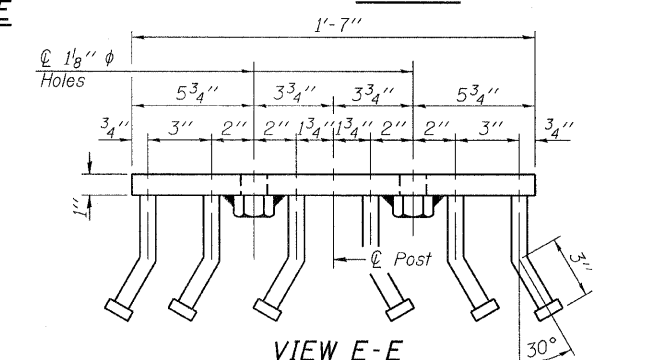
SECTION AT RAIL SPLICE



PLAN-BOTT. SPLICE P TYPICAL



VIEW E-E



Notes:
 All field drilled holes shall be coated with an approved zinc rich paint before erection.
 For multi-span bridges, sufficient 1/4" x 6" x 1'-2" galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with Steel Railing, Type SM.
 All steel rail members shall be galvanized according to Article 509.05 of the Standard Specifications.
 *** The studs of the anchor devices shall be placed below the top reinforcement bars and the outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchor device.
 ** The Contractor shall fabricate modified cap screws, anchor bolts and HSS spacers at South Headwall posts.

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type SM	Foot	40

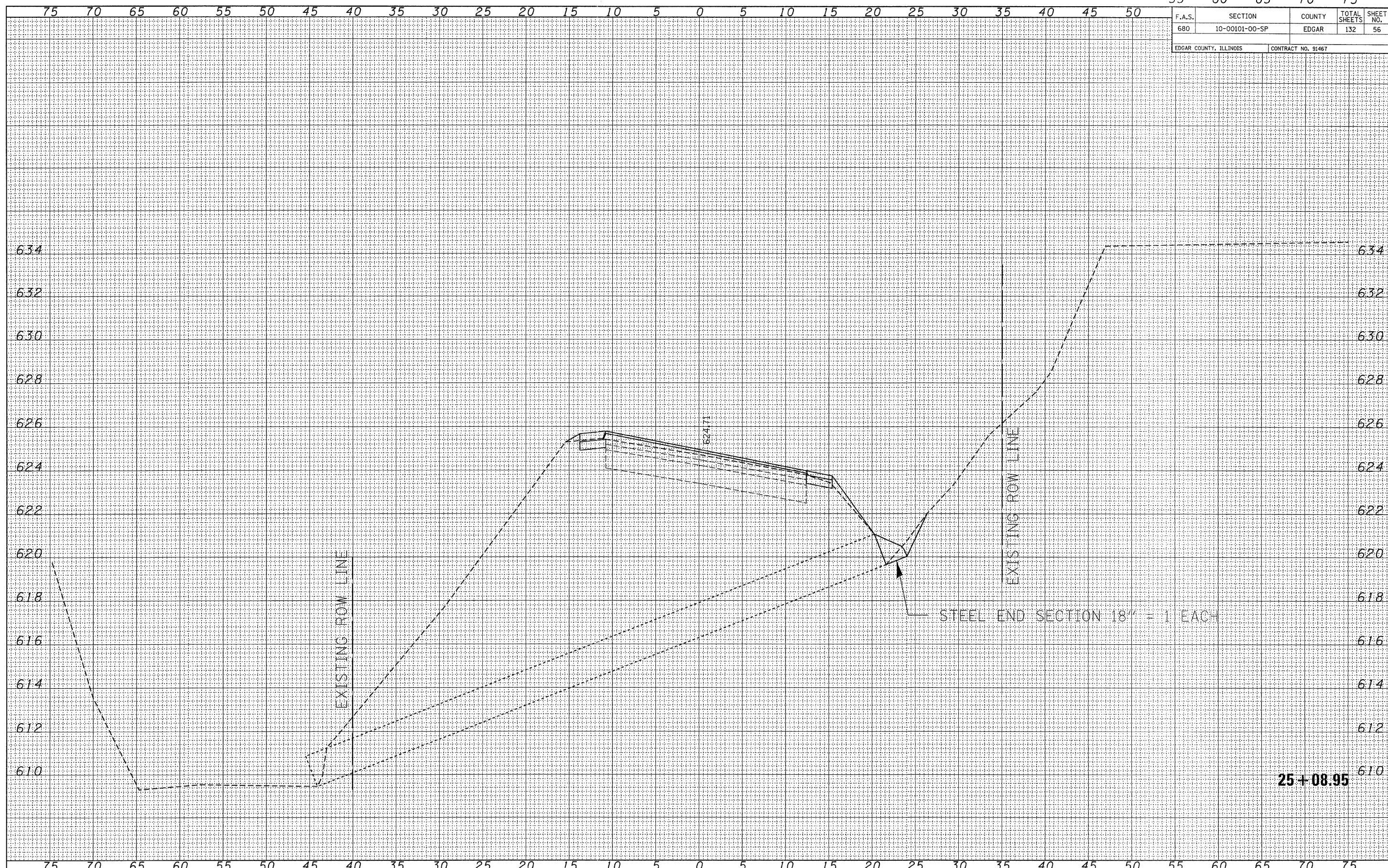
R-34HMAWS 7-1-10 (6'-3" Maximum Post Spacing) (1 1/4" minimum to 3 3/8" maximum HMA thickness)

*Threaded areas shall be plugged or blocked off during casting of beam. Galvanized after fabrication.

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	56
EDGAR COUNTY, ILLINOIS		CONTRACT NO. 91467		

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

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



FILE NAME = 118330-shr-axs-oross-road-pipes.dgn
 PLOT DATE = 1/19/2012
 SCALE: 1" = 5' HORZ, 1" = 2' VERT

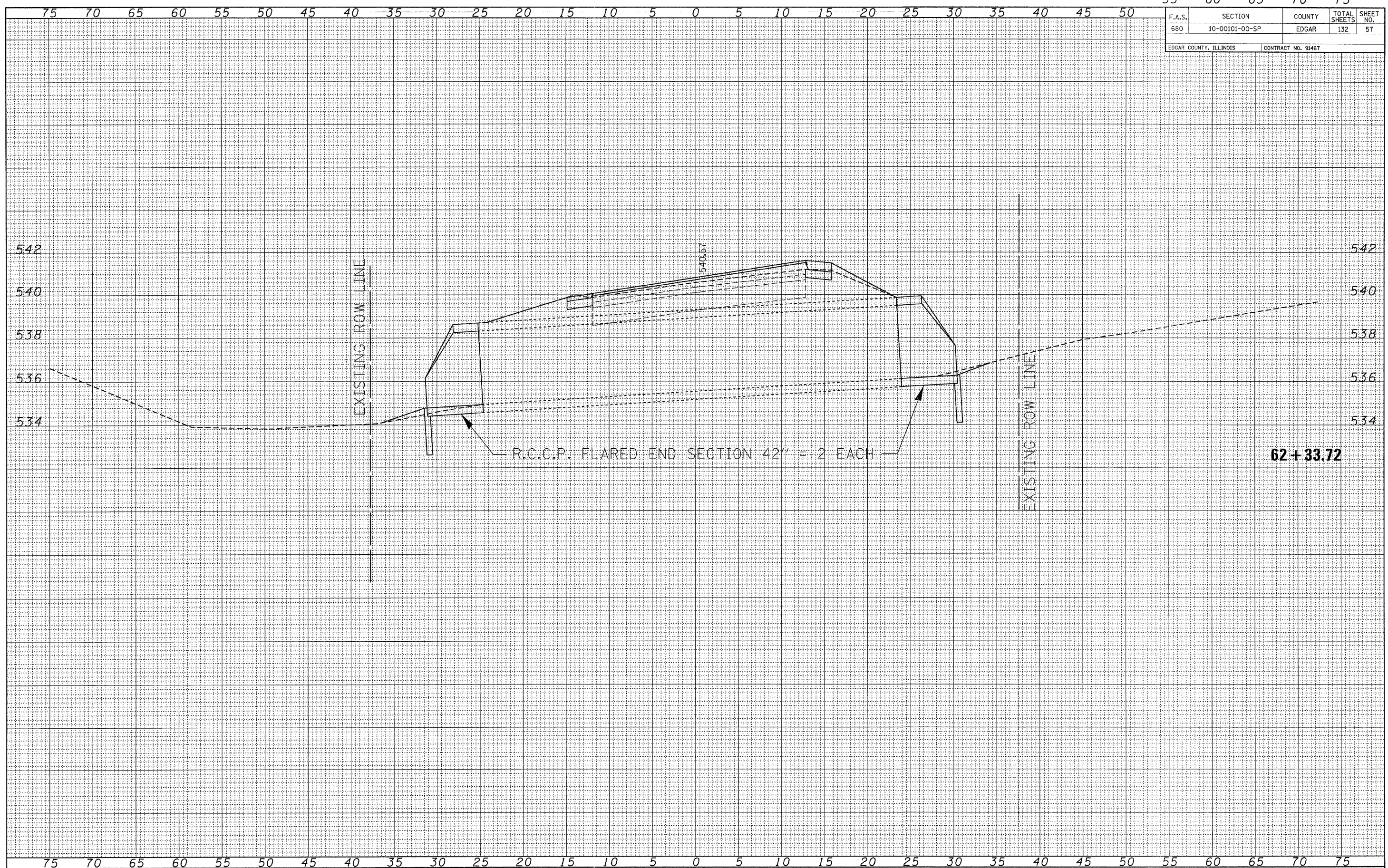
EDGAR COUNTY
HIGHWAY DEPARTMENT

CULVERT PROFILES

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	57
EDGAR COUNTY, ILLINOIS		CONTRACT NO. 91467		

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

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



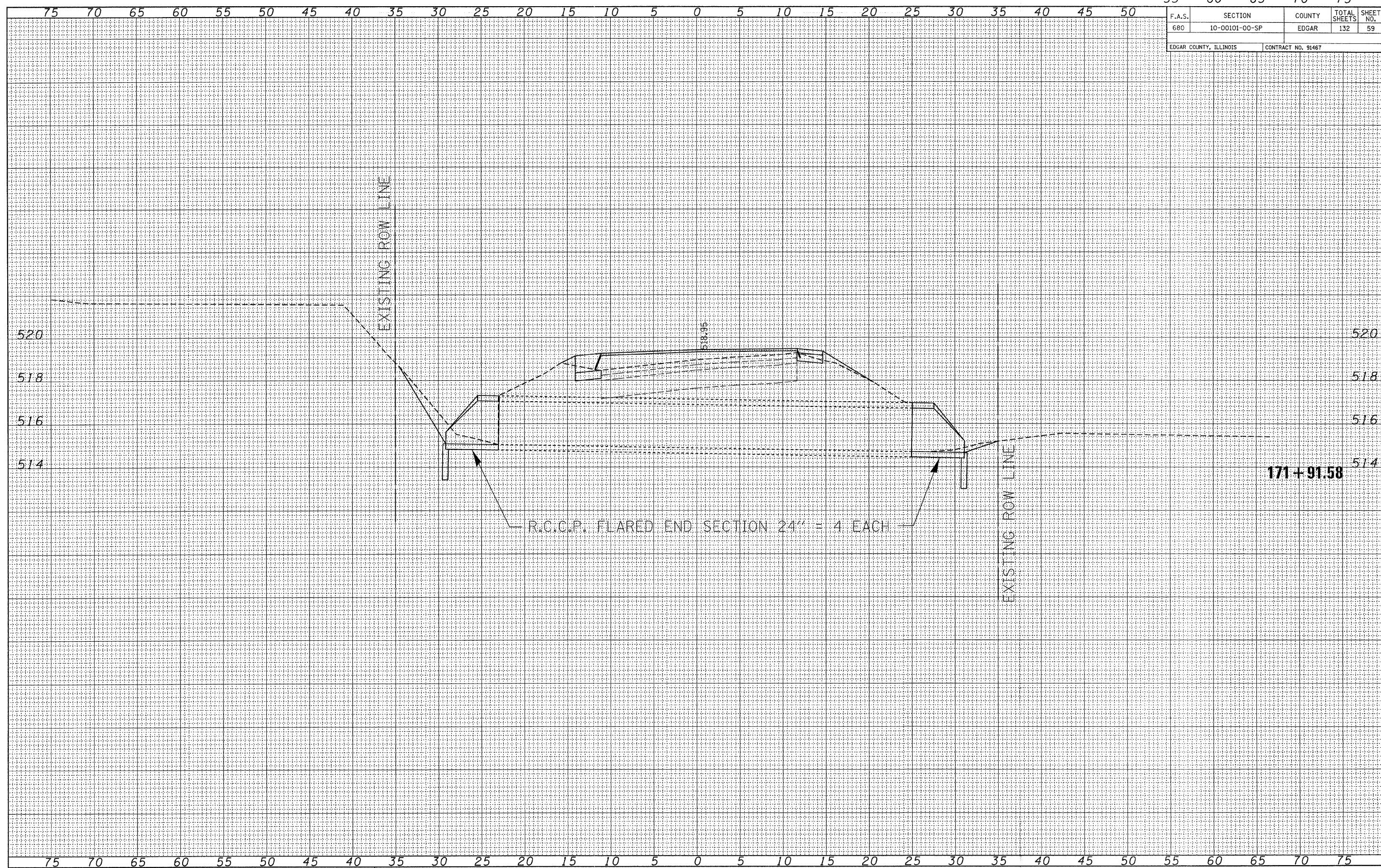
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 PLOT DATE = 1/19/2012
 SCALE: 1" = 5' HORZ, 1" = 2' VERT



F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	59
EDGAR COUNTY, ILLINOIS		CONTRACT NO. 91467		

FINAL SURVEY	DATE
NO.	
BY	
REVIEWED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	

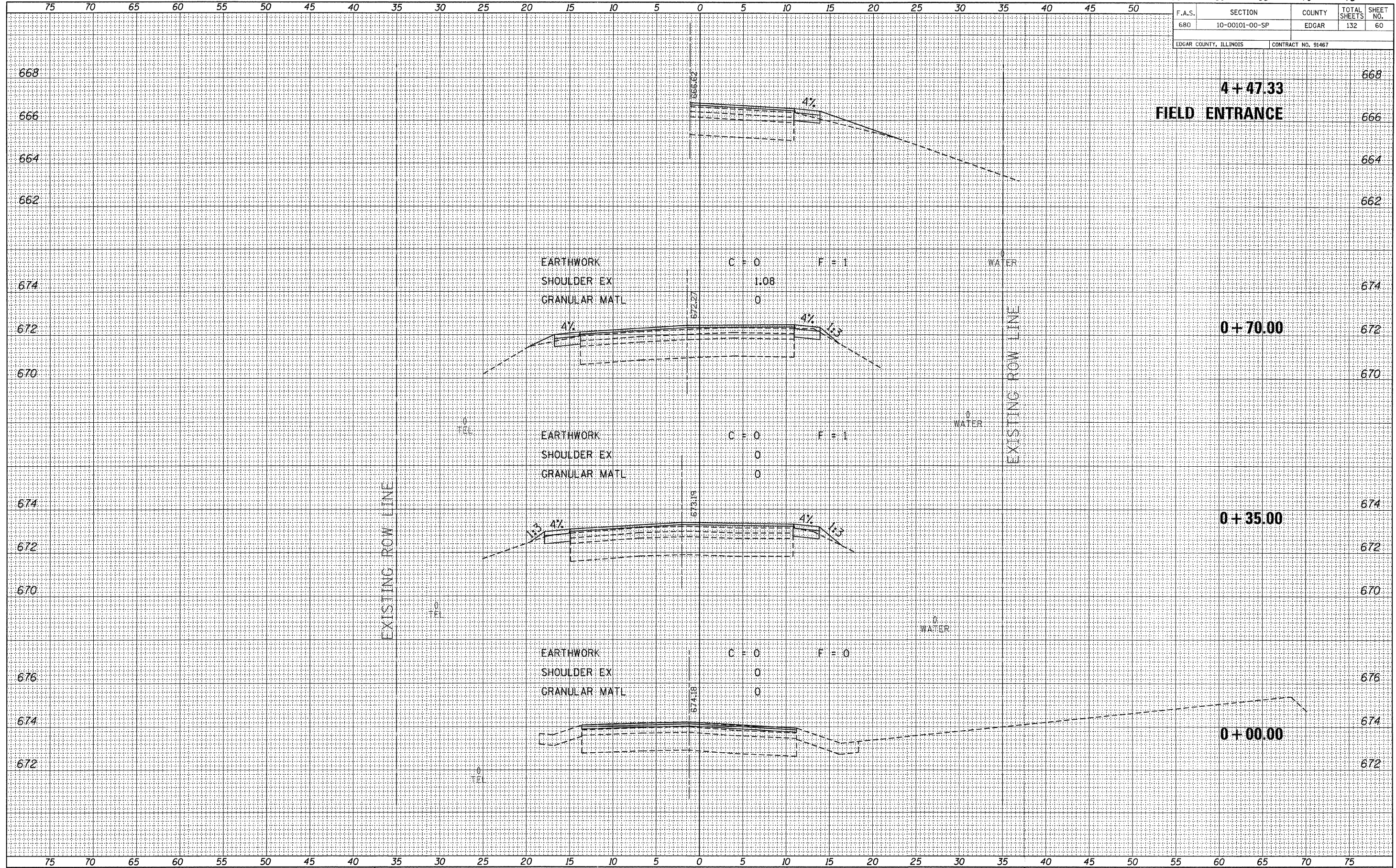
ORIGINAL SURVEY	DATE
NO.	
BY	
REVIEWED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	



FILE NAME = 110330-shr-exs-cross-road-pipes.dgn
 PLOT DATE = 1/19/2012
 SCALE: 1" = 5' HORZ, 1" = 2' VERT



55	60	65	70	75
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	60
EDGAR COUNTY, ILLINOIS		CONTRACT NO. 91467		



DATE	BY
DATE	BY
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DATE	BY

DATE	BY
DATE	BY
DATE	BY
DATE	BY

FILE NAME = 118338-shr-sxs.dgn
 PLOT DATE = 1/19/2012
 SCALE: 1" = 5' HORZ, 1" = 2' VERT



CROSS SECTIONS EAST OF ELBRIDGE
 STATION 0+00.00 TO STATION 4+47.33

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	66
EDGAR COUNTY, ILLINOIS		CONTRACT NO. 91467		

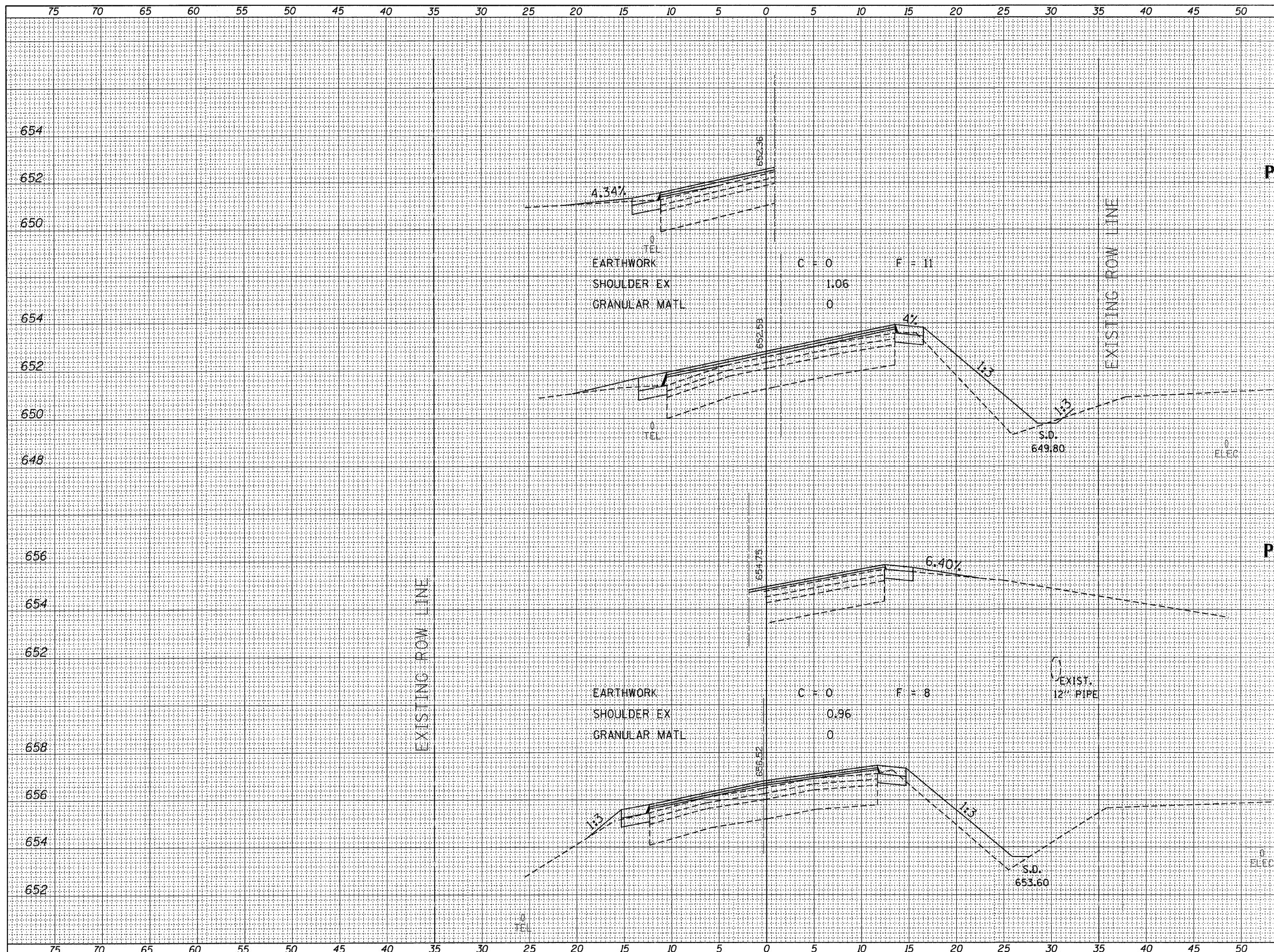
654	END SPECIAL 2' BOTTOM DITCH RT. STA. 15+39 ELEV. 649.10	654
652	15 + 10.50	652
650	PRIVATE ENTRANCE	650
654		654
652	15 + 00.00	652
650	BEGIN SPECIAL 2' BOTTOM DITCH RT. STA. 14+63 ELEV. 650.20	650
648		648
656	14 + 16.40	656
654	PRIVATE ENTRANCE	654
652	SKewed SECTION	652
658	END SPECIAL 2' ELEC BOTTOM DITCH RT. STA. 14+05 ELEV. 651.04	658
656	13 + 50.00	656
654		654
652		652

DATE	BY

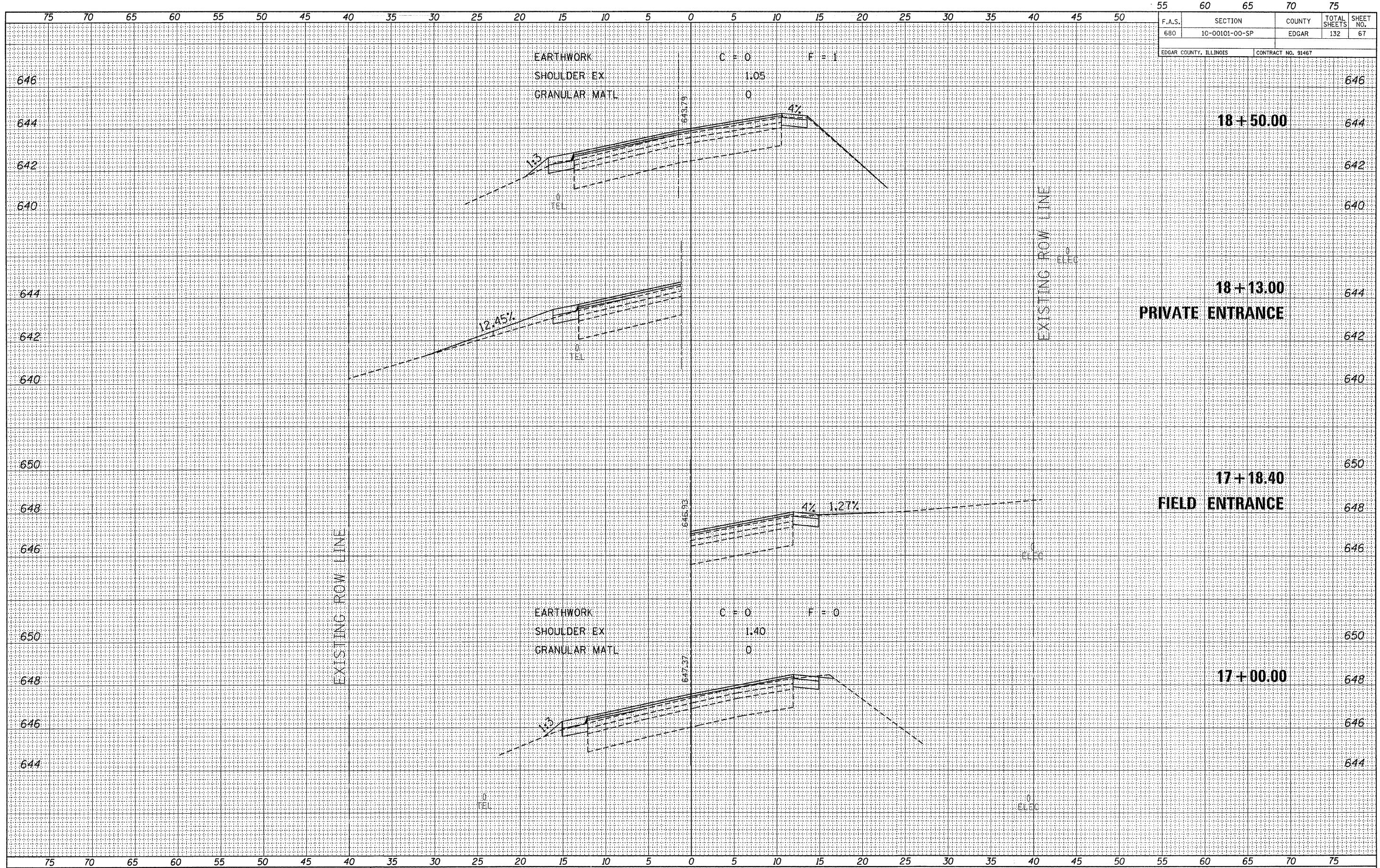
NO.	AREAS CHECKED

DATE	BY

NO.	AREAS CHECKED



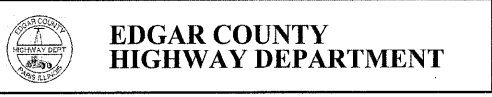
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	67
EDGAR COUNTY, ILLINOIS		CONTRACT NO. 91467		



BY	DATE

BY	DATE

FILE NAME = 110330-shr-exs.dgn
 PLOT DATE = 1/19/2012
 SCALE: 1" = 5' HORZ, 1" = 2' VERT

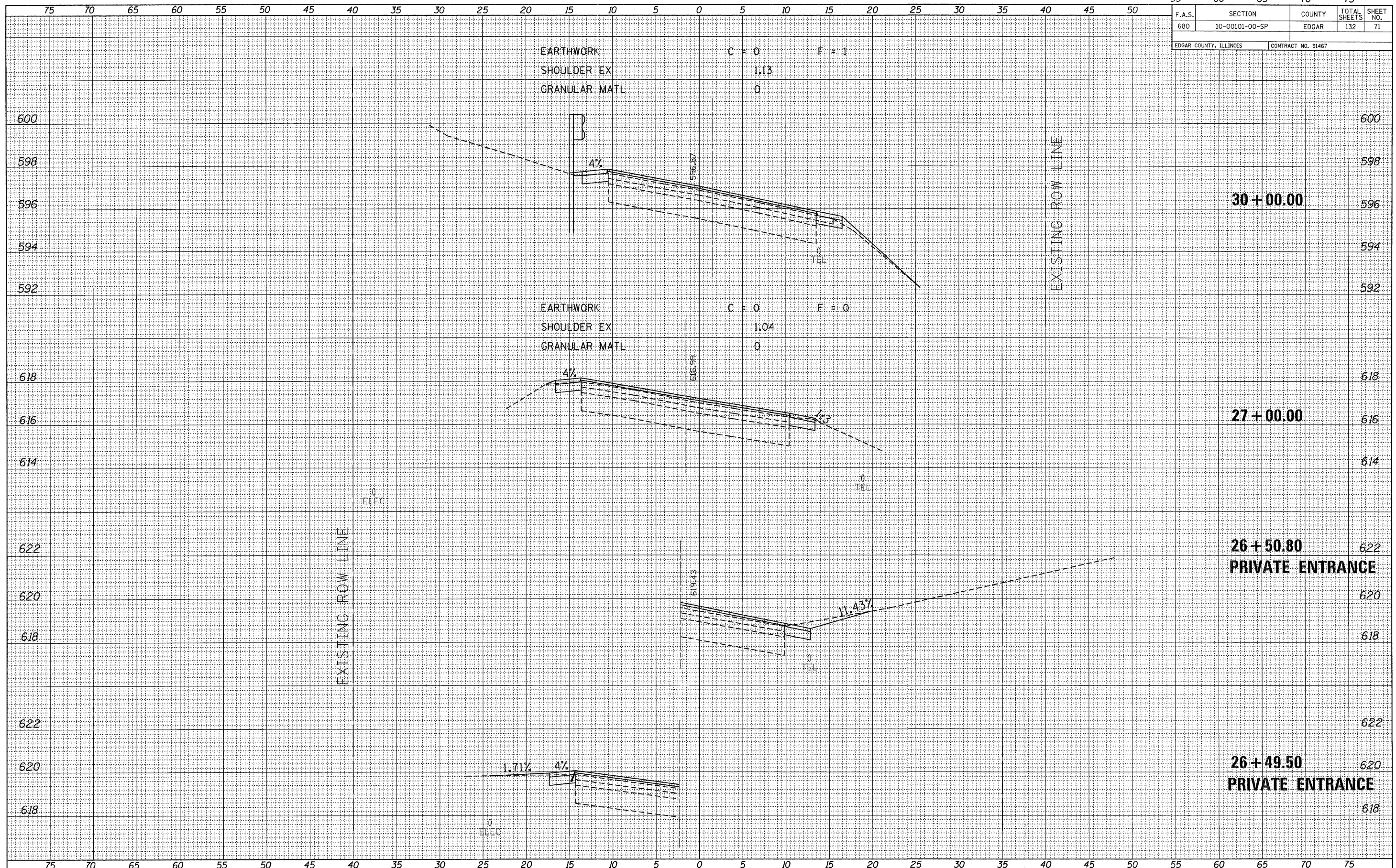


CROSS SECTIONS EAST OF ELBRIDGE
 STATION 17+00 TO STATION 18+50

55	60	65	70	75
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	71
EDGAR COUNTY, ILLINOIS		CONTRACT NO. 91467		

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

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



FILE NAME = 118330-shr-axs.dgn
 PLOT DATE = 1/19/2012
 SCALE: 1" = 5' HORIZ, 1" = 2' VERT

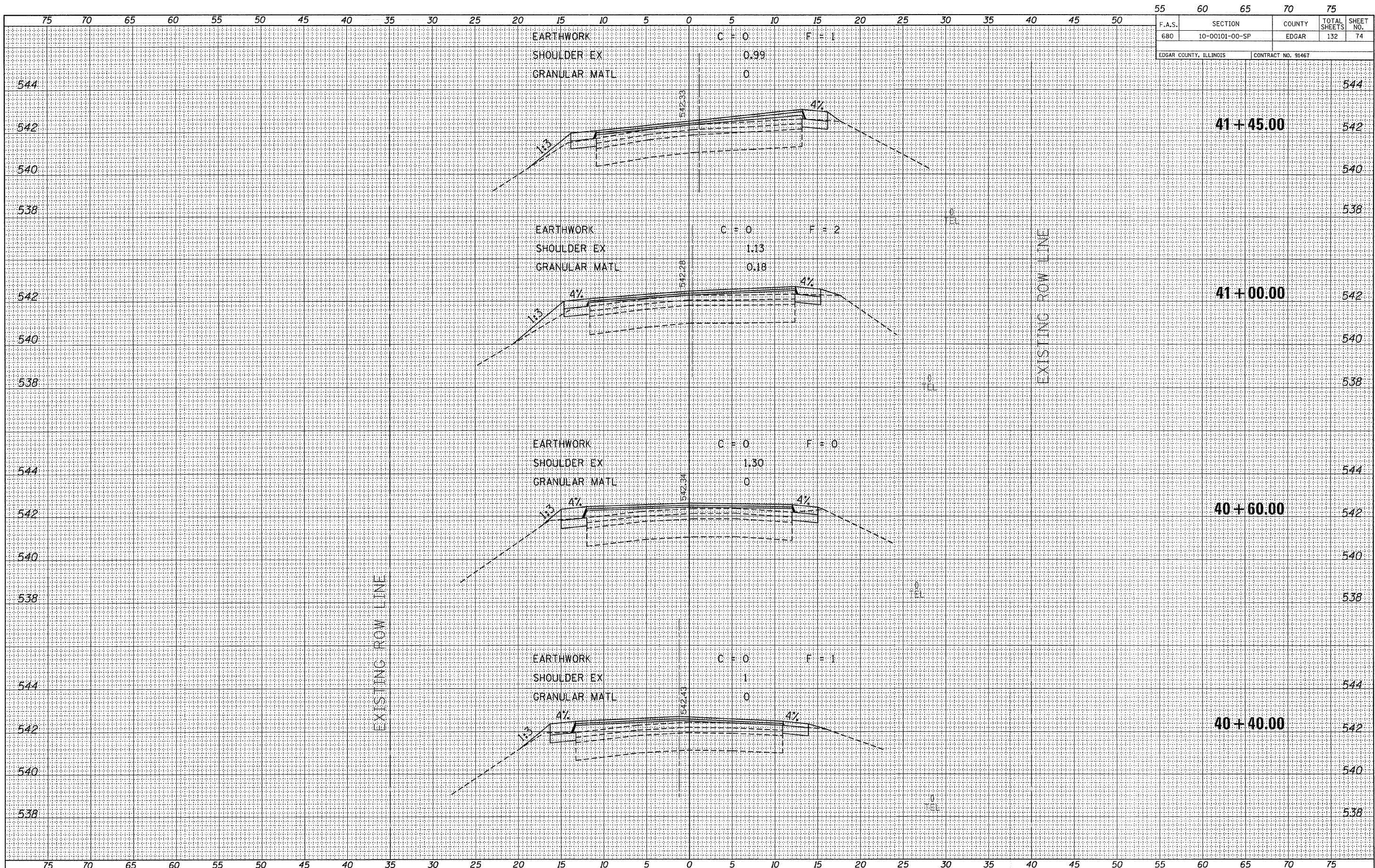


CROSS SECTIONS EAST OF ELBRIDGE
 STATION 26+49.50 TO STATION 30+00

55	60	65	70	75
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	74
EDGAR COUNTY, ILLINOIS		CONTRACT NO. 91467		

BY	DATE

BY	DATE



FILE NAME = 110330-shr-axs.dgn
 PLOT DATE = 1/19/2012
 SCALE: 1" = 5' HORIZ, 1" = 2' VERT

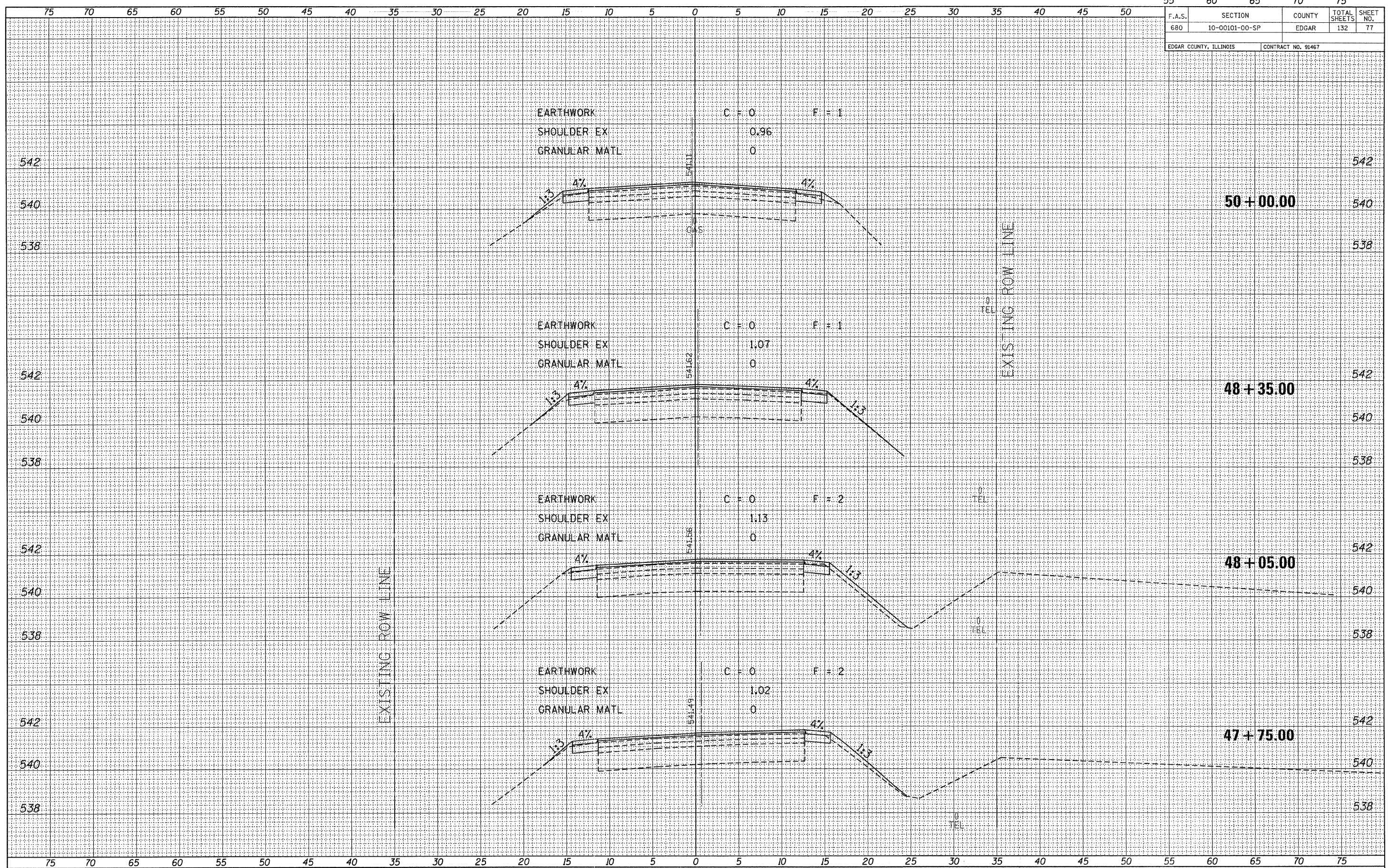
EDGAR COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS EAST OF ELBRIDGE
 STATION 40+40 TO STATION 41+45

55	60	65	70	75
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	77
EDGAR COUNTY, ILLINOIS		CONTRACT NO. 91467		

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

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

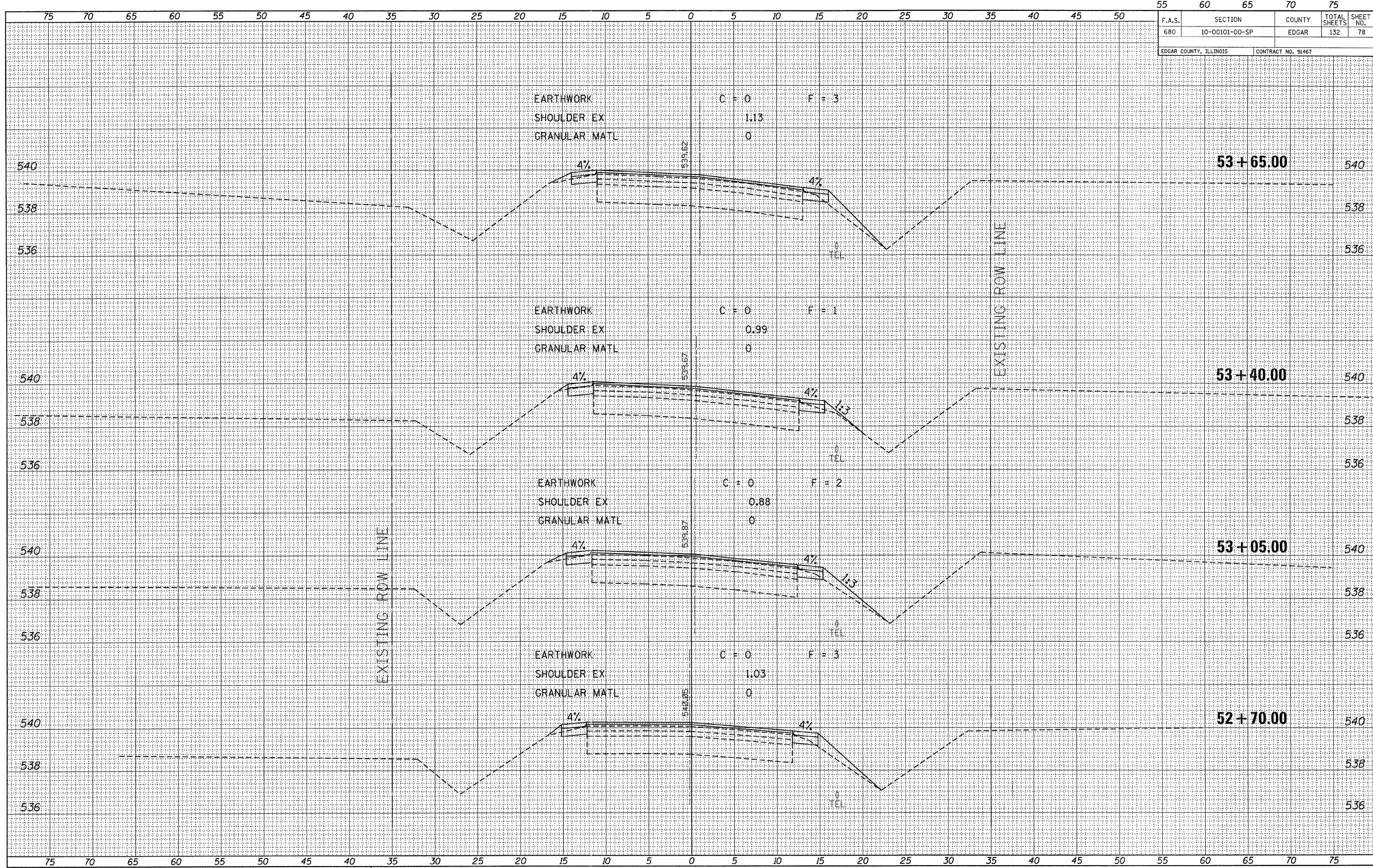


FILE NAME = 110330-shr-axs.dgn
 PLOT DATE = 1/19/2012
 SCALE: 1" = 5' HORZ, 1" = 2' VERT



CROSS SECTIONS EAST OF ELBRIDGE
 STATION 47+75 TO STATION 50+00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SF	EDGAR	132	78
EDGAR COUNTY, ILLINOIS		CONTRACT NO. 91467		



DATE	BY
DATE	BY
DATE	BY
DATE	BY
DATE	BY

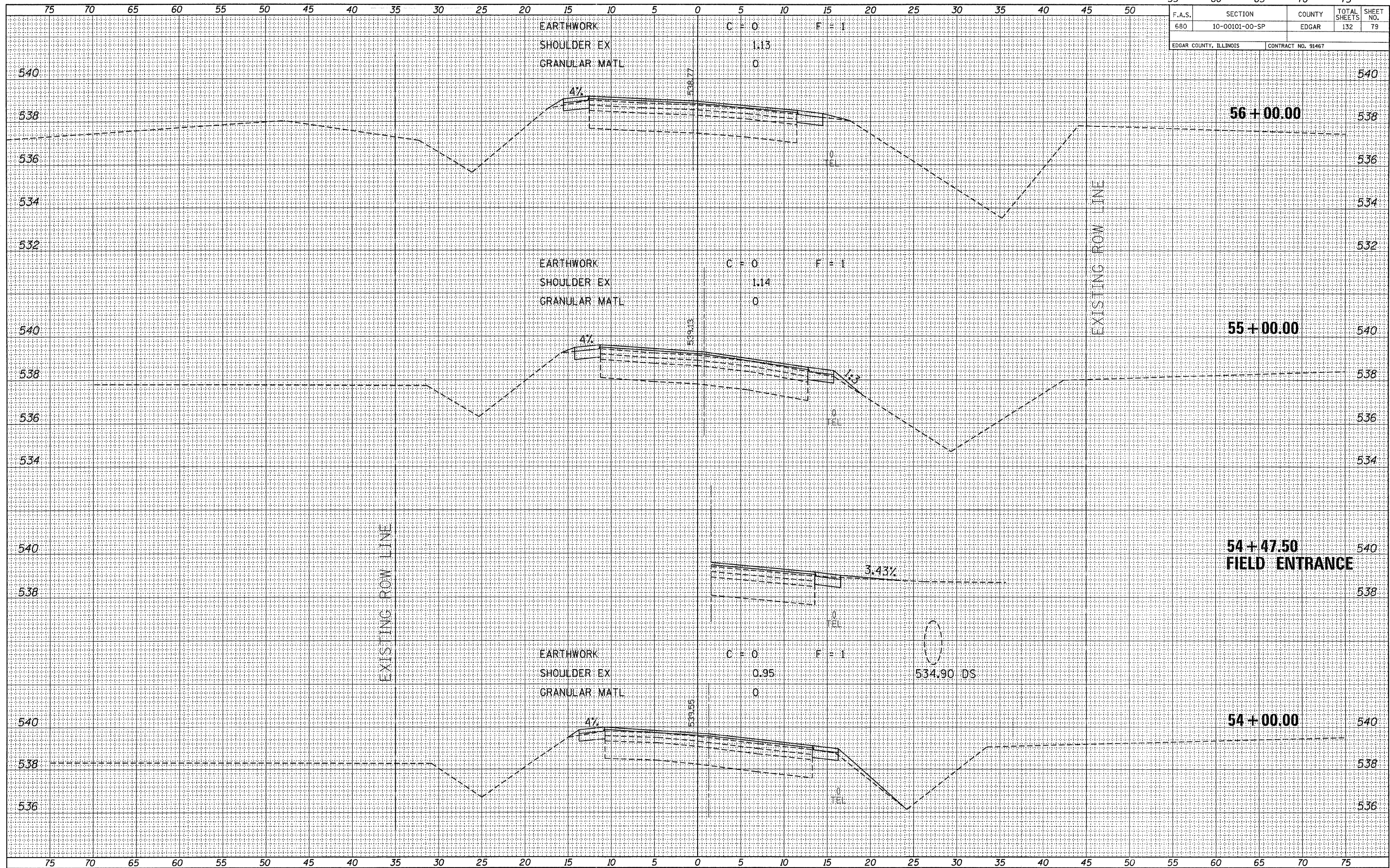
DATE	BY
DATE	BY
DATE	BY
DATE	BY
DATE	BY

FILE NAME = 110330-sht-sss.dgn
 PLOT DATE = 1/19/2012
 SCALE: 1" = 5' HORZ, 1" = 2' VERT



CROSS SECTIONS EAST OF ELBRIDGE
 STATION 52+70 TO STATION 53+65

55	60	65	70	75
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	79
EDGAR COUNTY, ILLINOIS			CONTRACT NO. 91467	



DATE	BY
DATE	BY
DATE	BY

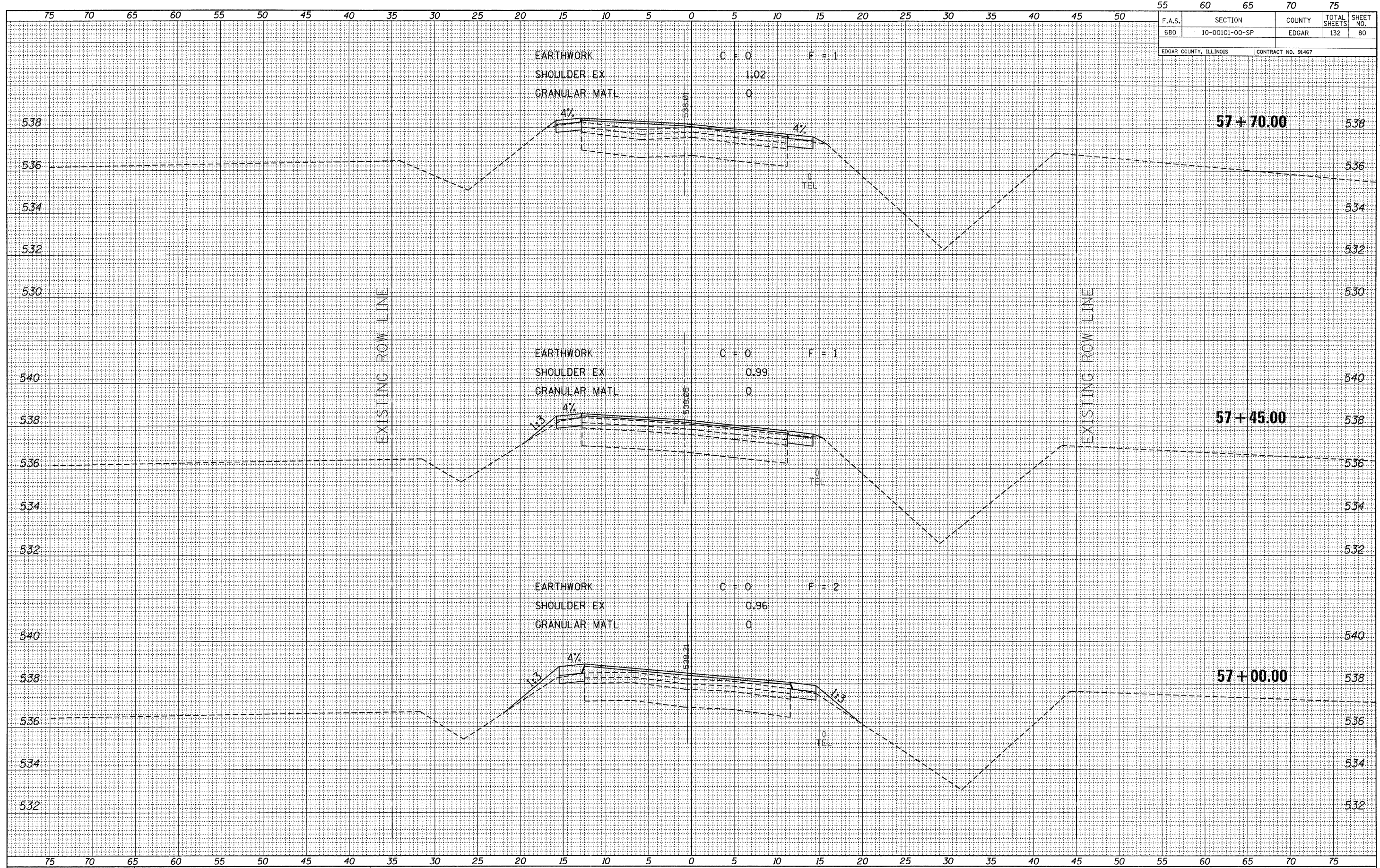
DATE	BY
DATE	BY
DATE	BY

FILE NAME = 118338-shh-exs.dgn
 PLOT DATE = 1/19/2012
 SCALE: 1" = 5' HORZ, 1" = 2' VERT

**EDGAR COUNTY
 HIGHWAY DEPARTMENT**

CROSS SECTIONS EAST OF ELBRIDGE
 STATION 54+00 TO STATION 56+00

55	60	65	70	75
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	80
EDGAR COUNTY, ILLINOIS		CONTRACT NO. 91467		



DATE	BY
DATE	BY
DATE	BY
DATE	BY
DATE	BY

DATE	BY
DATE	BY
DATE	BY
DATE	BY
DATE	BY

FILE NAME = 110330-0ht-axs.dgn
 PLOT DATE = 1/19/2012
 SCALE: 1" = 5' HORIZ, 1" = 2' VERT

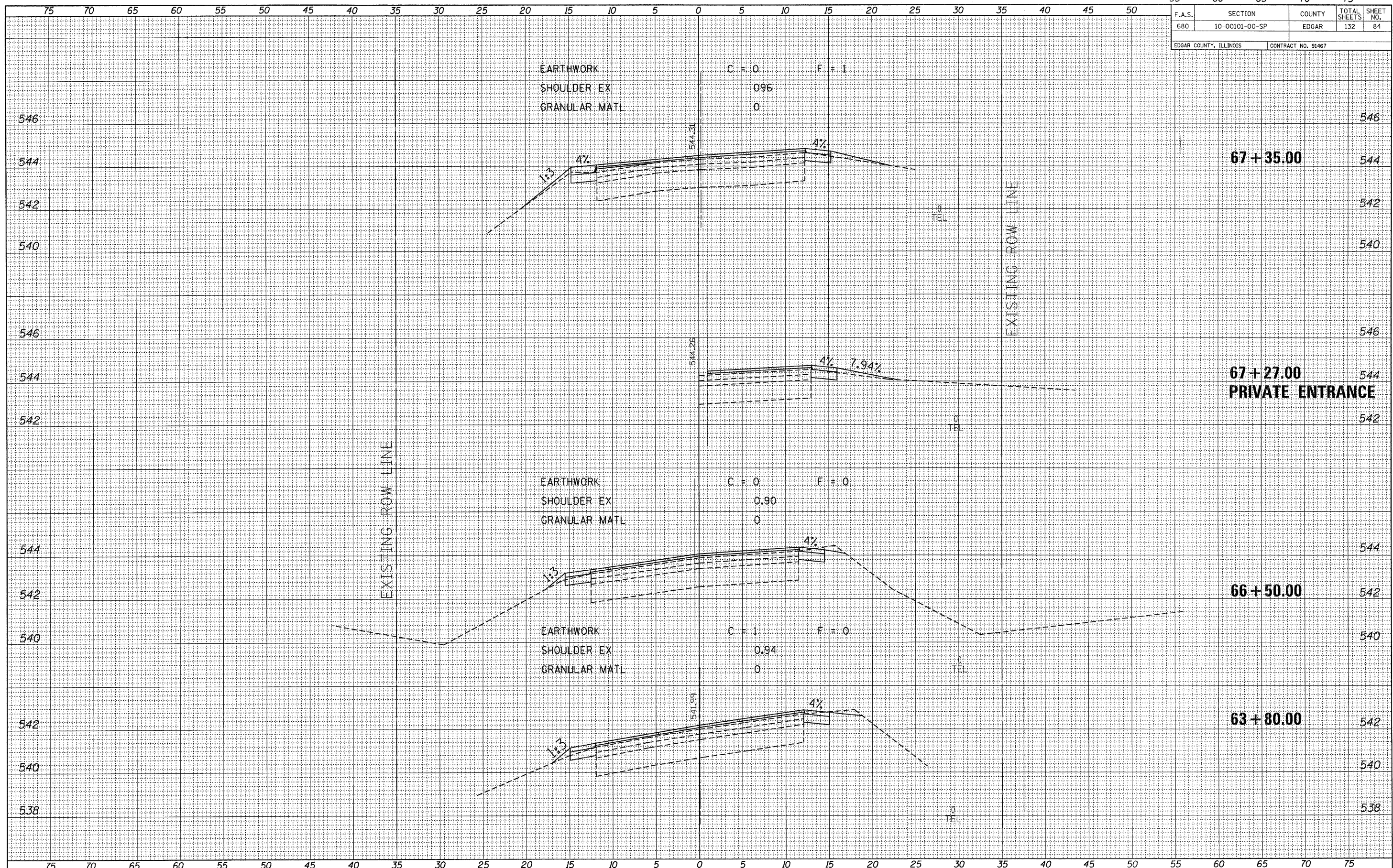


CROSS SECTIONS EAST OF ELBRIDGE
 STATION 57+00 TO STATION 57+70

55	60	65	70	75
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	84
EDGAR COUNTY, ILLINOIS		CONTRACT NO. 91467		

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

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



FILE NAME = 110330-ah-t-axs.dgn
 PLOT DATE = 1/19/2012
 SCALE: 1" = 5' HORZ, 1" = 2' VERT

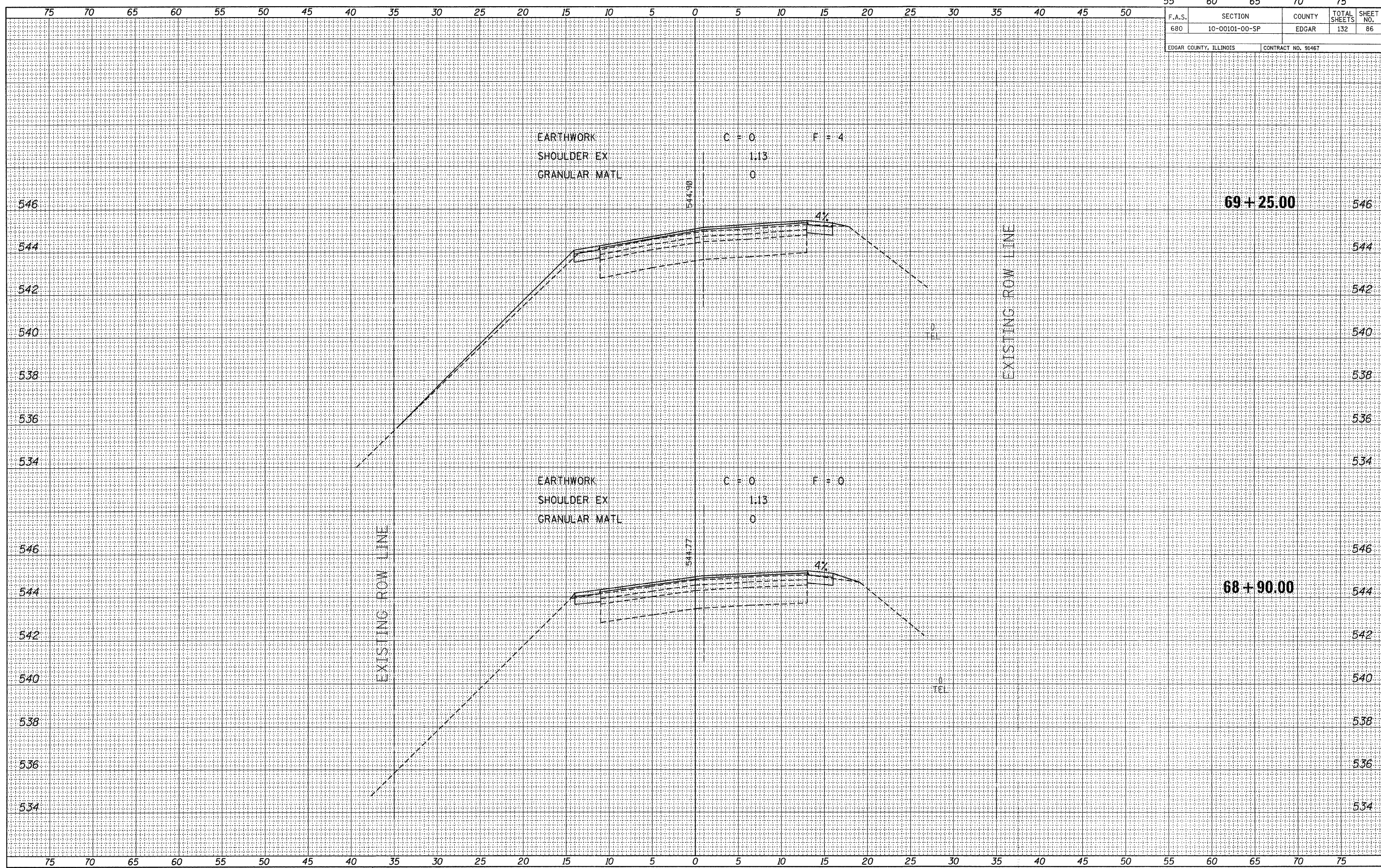


CROSS SECTIONS EAST OF ELBRIDGE
 STATION 63+80 TO STATION 67+35

55	60	65	70	75
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	86
EDGAR COUNTY, ILLINOIS			CONTRACT NO. 91467	

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

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



FILE NAME = 118330-sht-xxs.dgn
 PLOT DATE = 1/19/2012
 SCALE: 1" = 5' HORZ, 1" = 2' VERT

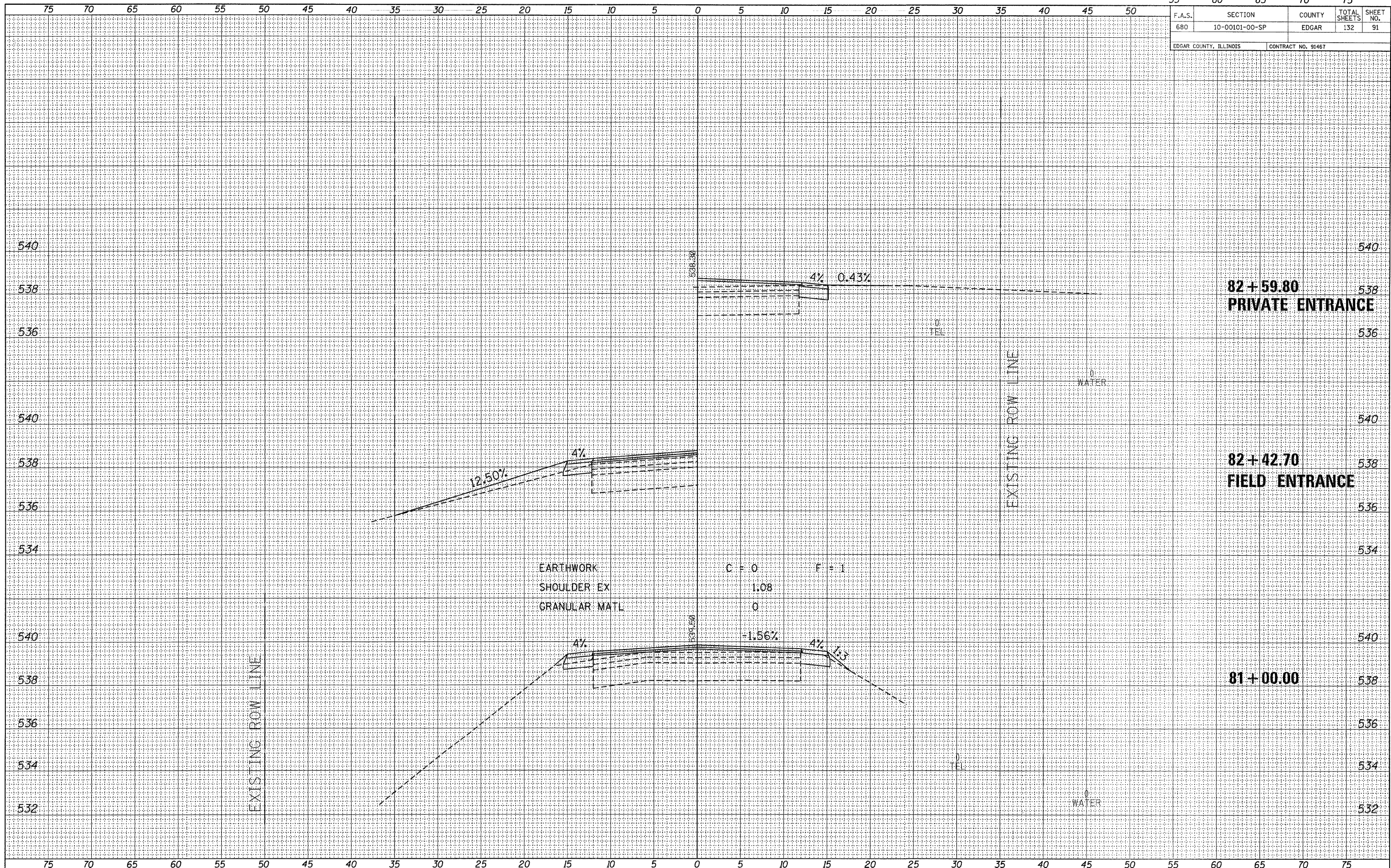


CROSS SECTIONS EAST OF ELBRIDGE
 STATION 68+90 TO STATION 69+25

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	91
EDGAR COUNTY, ILLINOIS		CONTRACT NO. 91467		

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

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



FILE NAME = 110330-ahtr-axs.dgn
 PLOT DATE = 1/19/2012
 SCALE: 1" = 5' HORZ, 1" = 2' VERT



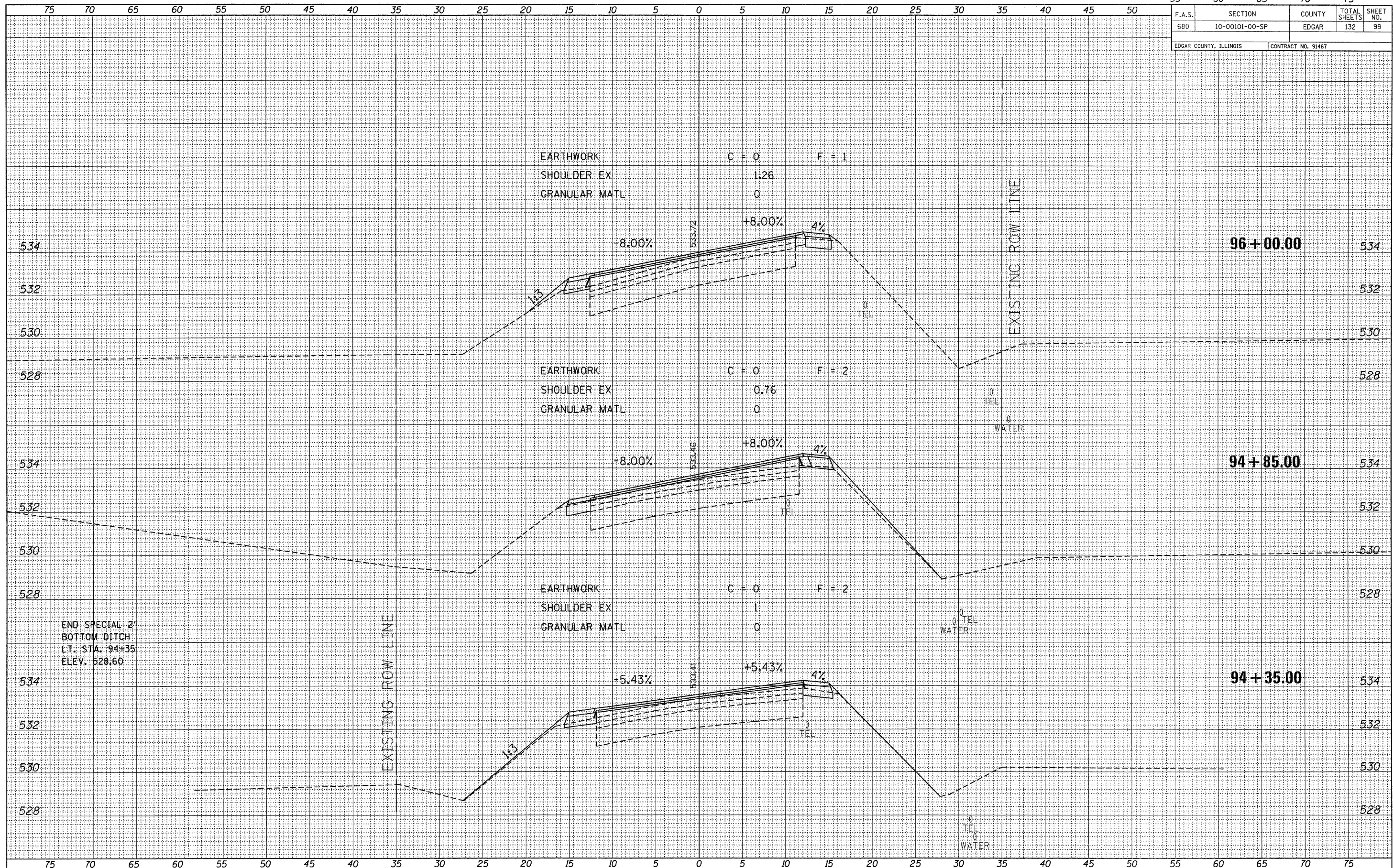
EDGAR COUNTY
 HIGHWAY DEPARTMENT

CROSS SECTIONS EAST OF ELBRIDGE
 STATION 81+00 TO STATION 82+59.80

55	60	65	70	75
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	10-00101-00-SP	EDGAR	132	99
EDGAR COUNTY, ILLINOIS		CONTRACT NO. 91467		

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

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



FILE NAME = 118338-ht-sxs.dgn
 PLOT DATE = 1/19/2012
 SCALE: 1" = 5' HORZ, 1" = 2' VERT



EDGAR COUNTY
 HIGHWAY DEPARTMENT

CROSS SECTIONS EAST OF ELBRIDGE
 STATION 94+35 TO STATION 96+00

