

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
PLANS FOR  
PROPOSED LOCAL AGENCY IMPROVEMENT  
FEDERAL URBAN PROJECT

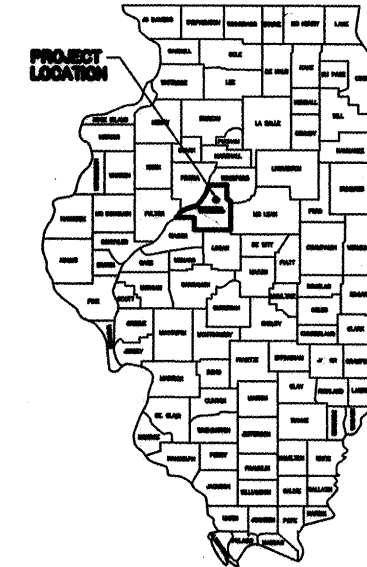
STATE NO.	PROJECT	SHEET	TOTAL SHEETS
F.A.U. 6755	TAZEWELL	39	1
PROJECT NO. M-5093-112		CONTRACT NO. 89351	

**INDEX OF SHEETS**

SHEET NO.	DESCRIPTION
1	COVER SHEET, INDEX OF SHEETS, LIST OF STANDARDS
2	TYPICAL SECTIONS
3	SUMMARY OF QUANTITIES
4	QUANTITIES NOT OTHERWISE SHOWN
5	CONSTRUCTION PHASING AND TRAFFIC CONTROL
6-11	PLAN & PROFILE SHEETS - W. COURTLAND ST.
12-13	PLAN & PROFILE SHEETS - VETERANS RD.
14	OVERALL EROSION CONTROL PLAN
15	RIGHT-OF-WAY PLAN
16	JOINTING DETAILS
17-18	PAVEMENT MARKINGS, STREET LIGHTS AND SIGNAGE PLANS
19-20	STORM SEWER PROFILES
21	INTERSECTION & ISLAND DETAILS
22-23	MISCELLANEOUS CONSTRUCTION DETAILS
24-39	CROSS SECTIONS, W. COURTLAND ST. AND VETERANS RD.

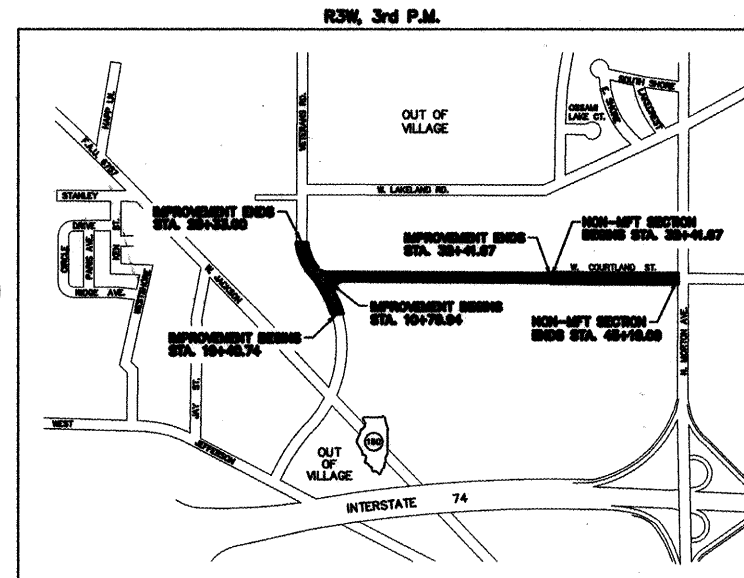
PLAN	1" = 20'	
PROFILE HOR.	1" = 20'	
PROFILE VERT.	1" = 2'	
CROSS SECTIONS HOR.	1" = 5'	
CROSS SECTIONS VERT.	1" = 2'	

F.A.U. ROUTE 6755 TAZEWELL COUNTY  
SECTION 04-00114-00-PV  
PROJECT M-5093-112  
VILLAGE OF MORTON, ILLINOIS



**LIST OF CONSTRUCTION STANDARDS**

280001-04	TEMPORARY EROSION CONTROL
482011-03	HMA SHOULDER STRIPS/ SHOULDERS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
542301-01	PRECAST REINFORCED CONCRETE FLARED END SECTIONS
542306-01	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTIONS
606001-03	CONC. CURB & COMB. CONC. CURB & GUTTER
606301-03	P.C. CONCRETE ISLANDS AND MEDIANS
666001	RIGHT OF WAY MARKERS
667101	PERMANENT SURVEY MARKERS
701301-02	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-02	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS, DAY ONLY
701501-04	URBAN LANE CLOSURE, 2L, 2W UNDIVIDED
701901	TRAFFIC CONTROL DEVICES
720001	SIGN PANEL MOUNTING DETAILS
720006-01	SIGN PANEL ERECTION DETAILS
780001-01	TYPICAL PAVEMENT MARKINGS
B.L.R. 17-3	TRAFFIC CONTROL DEVICES - DAY LABOR CONSTRUCTION



LOCATION SKETCH

**NET LENGTH OF PROJECT**

W. COURTLAND ST. :	2,161.73 LIN. FT. = 0.409 MILES
W. COURTLAND ST. : (NON-MFT) :	1,277.42 LIN. FT. = 0.242 MILES
VETERANS RD. :	892.26 LIN. FT. = 0.169 MILES
<b>PROJECT TOTAL:</b>	<b>4,331.41 LIN. FT. = 0.820 MILES</b>

	W. COURTLAND ST.	VETERANS RD.
FUNCTIONAL CLASSIFICATION:	COLLECTOR	LOCAL ROAD
ADT:	8,450 (2001); 11,380 (2021)	1,475 (2008); 6,900 (2028)
DESIGN SPEED:	35 MPH	35 MPH
POSTED SPEED:	35 MPH	35 MPH
VEHICLE MIX:	PV= 95% SU= 4% MU= 1%	PV= 95% SU= 4.0% MU= 1.0%

**COMMITMENTS:**

JOB NO. C-94-073-04

PROPOSED IMPROVEMENTS CONSISTS OF CONSTRUCTING 10" REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT, CURB & GUTTER, STORM SEWERS, PAVEMENT MARKINGS AND STREET LIGHTS ON PROPOSED W. COURTLAND ST., AND MILLING AND RESURFACING EXISTING W. COURTLAND ST. FROM N. MORTON AVE. TO THE WESTERLY DEAD END. THE NEW IMPROVEMENT SHALL BE CONSTRUCTED WITH THE WORK AREA CLOSED TO TRAFFIC. THE IMPROVEMENT TO EXISTING W. COURTLAND ST. SHALL BE MADE UNDER TRAFFIC.

QC/QA CONCRETE PROJECT

**VILLAGE OFFICIALS**

NORMAN DURLINGER, PRESIDENT  
JOE NOHL, VILLAGE CLERK

**BOARD OF TRUSTEES**

GINGER HERMANN  
TONY HUETTE  
JEFF KAUFMAN  
STEPHEN E. NEWHOUSE  
DARRELL VERLING  
BETSY YARCHO

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PASSED 4-10 2008

*Derek C. Pineda*  
DISTRICT FOUR ENGINEER OF  
LOCAL ROADS & STREETS

RELEASING FOR  
BID BASED ON  
LIMITED REVIEW April 10 2008

*John*  
DEPUTY DIRECTOR OF HIGHWAYS,  
REGION THREE ENGINEER

PLANS PREPARED BY  
AUSTIN ENGINEERING CO., INC.  
PEORIA, ILLINOIS

BY: *W. Franklin Sturm*  
W. FRANKLIN STURM, P.E.  
LIC. EXP. DATE 11/30/08

DATE: 4/10/08

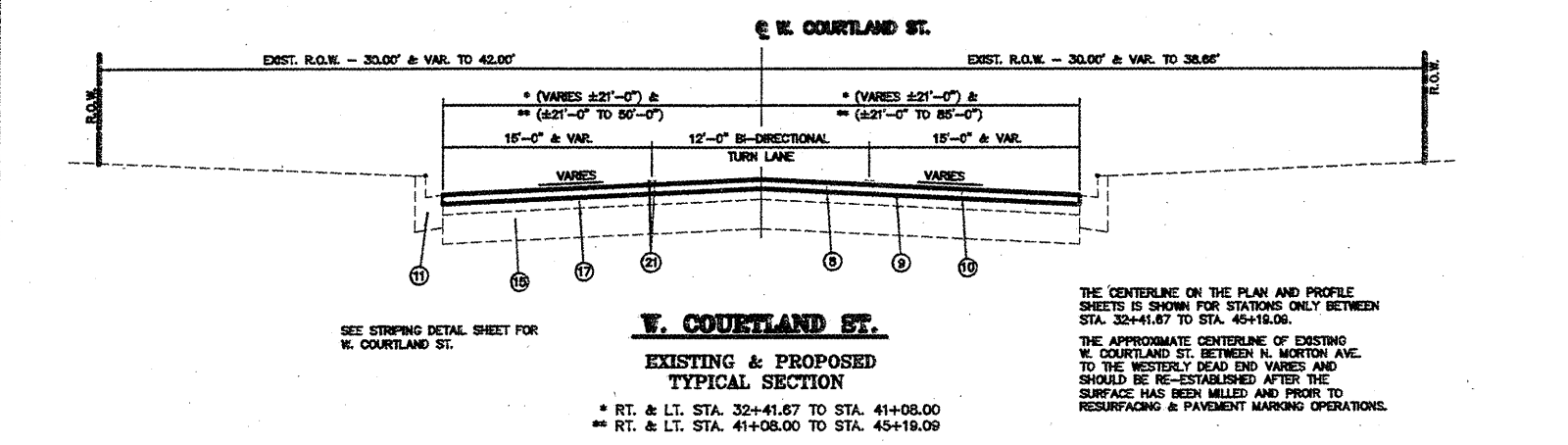
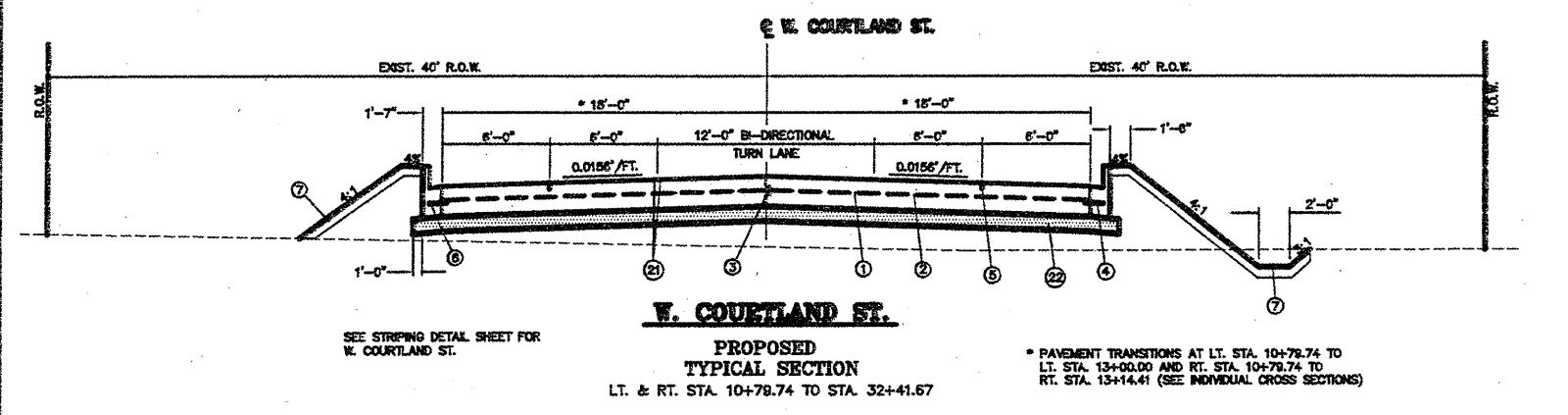
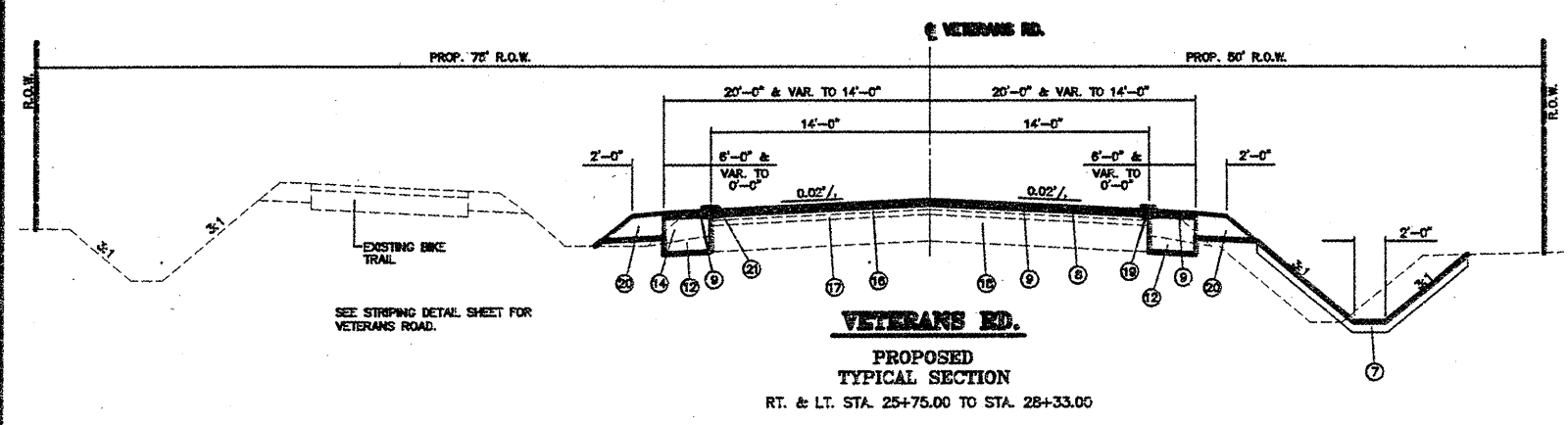
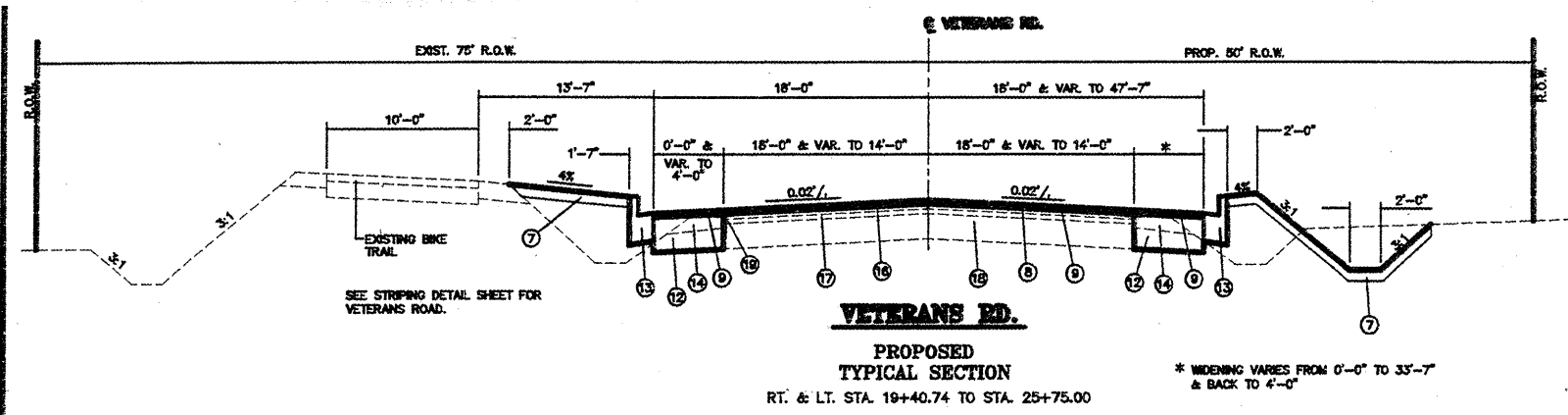


DEPARTMENT OF PUBLIC WORKS  
VILLAGE OF MORTON, ILLINOIS

APPROVED *Robert C. ...*  
SUPERINTENDENT OF PUBLIC WORKS

DATE: 4/8/08

J.U.L.I.E. 800-892-0123



- LEGEND**
- ① P.C.C. PAVEMENT, 10"
  - ② PAVEMENT FABRIC
  - ③ LONGITUDINAL JOINT W/ KEYWAY & TIE BARS
  - ④ NO. 4 TIE BARS
  - ⑤ SAWED LONGITUDINAL JOINT W/ TIE BARS
  - ⑥ COMB. CONC. CURB & GUTTER, TY. B-8.12
  - ⑦ TOP SOL., 4"
  - ⑧ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", NSQ, 1 1/2"
  - ⑨ BITUMINOUS MATERIALS (PRIME COAT)
  - ⑩ HOT-MIX ASPHALT SURFACE COURSE REMOVAL, 1 1/2"
  - ⑪ EXIST. C.C.C. & G., TY. B-8.12
  - ⑫ HOT-MIX ASPHALT BASE COURSE WIDENING, 11 1/4"
  - ⑬ COMB. CONC. CURB & GUTTER, TY. B-8.12
  - ⑭ EXIST. AGGREGATE SHOULDER TO BE REMOVED (INCIDENTAL TO EARTH EXCAVATION)
  - ⑮ EXIST. AGGREGATE BASE
  - ⑯ EXIST. BITUMINOUS SURFACE
  - ⑰ EXIST. BITUMINOUS BINDER
  - ⑱ EX. BITUMINOUS BINDER
  - ⑲ STRIP REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A
  - ⑳ AGGREGATE SHOULDERS, TY. B, 6"
  - ㉑ PAVEMENT MARKING (STRIPES, 4")
  - ㉒ SUB-BASE GRANULAR MATERIAL, TYPE A, 6"

**W. COURTLAND ST.**

STRUCTURAL DESIGN TRAFFIC: YEAR: 2016  
 PV = 4,079 S = 172 MU = 43  
 ROAD/STREET CLASSIFICATION: CLASS II  
 PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:  
 P = 0.5 S = 0.5 M = 0.5  
 TRAFFIC FACTOR: ACTUAL TF = 0.48  
 MINIMUM TF = 6.70  
 SUBGRADE SUPPORT RATING:  
 SSR = POOR (STA. 10+80 TO 32+42)  
 MECHANISTIC DESIGN FOR ROAD PAVEMENT  
 USE: P.C.C. PAVEMENT, 10"

**VETERANS RD.**

STRUCTURAL DESIGN TRAFFIC: YEAR: 2011  
 PV = 2,726 S = 180 MU = 14  
 ROAD/STREET CLASSIFICATION: CLASS II  
 PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:  
 P = 0.5 S = 0.5 M = 0.5  
 TRAFFIC FACTOR: ACTUAL TF = 0.24  
 MINIMUM TF = 4.43 AC TYPE = 20  
 SUBGRADE SUPPORT RATING:  
 SSR = POOR (STA. 19+41 TO 28+33)  
 MODIFIED AASHTO

USE: POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", NSQ, 1 1/2"  
 HOT-MIX ASPHALT BASE COURSE WIDENING, 11 1/4"

- GENERAL NOTES:**
1. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", OF THE STATE OF ILLINOIS, LATEST EDITION, AND WITH THE VILLAGE OF MORTON SUBDIVISION STANDARDS.
  2. FINAL ACCEPTANCE BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND THE VILLAGE OF MORTON FOR THE IMPROVEMENTS IS BASED ON THE CONDITION OF THE IMPROVEMENTS AT THE TIME THE FINAL INSPECTION IS MADE.
  3. SUBGRADE COMPACTION - PREPARE & COMPACT SUBGRADE TO 98% COMPACTION STANDARD PROCTOR.
  4. PROVIDE EXPANSION JOINTS AT INTERSECTION RETURNS, INLET BOXOUTS, AND AT THOSE LOCATIONS WHICH CORRESPOND TO PAVEMENT EXPANSION JOINTS. USE 1 1/2" DIA. SMOOTH 18" LONG COATED DOWEL BAR WITH A METALLIC PINCHED STOP CAP ON ONE END. GREASE ENTIRE BAR. PROVIDE SAWED CONTRACTION JOINTS AT PAVEMENT JOINT LOCATIONS, SAW 2" DEEP AS SOON AS CONDITIONS PERMIT & FILL W/ APPROVED JOINT SEALER.
  5. ALL REINFORCEMENT BARS AND TIE BARS, ETC. USED ON THIS PROJECT TO BE EPOXY COATED.
  6. ALL JOINTS SHALL BE SAWED AS SOON AS CURING PERMITS.
  7. TIE BARS SHALL BE PLACED BETWEEN THE PROPOSED P.C.C. PAVEMENT, 10" AND THE PROPOSED C.C.C. & G., TY. B-8.12, AS REQUIRED IN HIGHWAY STANDARD 606001-03. TIE BARS SHALL BE CONSIDERED INCIDENTAL TO THE C.C.C. & G., TY. B-8.12.
  8. DOWELED TRANSVERSE PAVEMENT JOINTS SHALL BE SPACED AT A MAXIMUM OF 40.0 FT. AND AS SHOWN ON THE "JOINTING DETAIL SHEET". COST OF DOWEL BARS SHALL BE INCIDENTAL TO THE PAY ITEM "PORTLAND CEMENT CONCRETE PAVEMENT, 10".
  9. SURFACE COURSE - CONTINUOUS PAVING OPERATIONS ON MAIN ROADWAYS SHALL BE MAINTAINED AT ALL TIMES DURING THE CONSTRUCTION OF THE HOT-MIX ASPHALT SURFACE. NO INTERRUPTIONS FOR SIDE ROADS, ENTRANCES, TURN LANES, ETC. WILL BE ALLOWED.
  10. ORDERING LENGTH CONFIRMATION - DRAINAGE ITEMS - THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER IN REGARD TO THE EXACT LENGTH OF THE STORM SEWERS REQUIRED PRIOR TO ORDERING THESE ITEMS.
  11. THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, 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 THEY ARE NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.
  12. ALL ELEVATIONS SHOWN REFER TO U.S.G.S. DATUM AT MEAN SEA LEVEL UNLESS OTHERWISE NOTED.
  13. ACCESS MUST BE MAINTAINED TO ALL EXISTING PROPERTIES DURING CONSTRUCTION PER ARTICLE 107.06 UNLESS ARRANGEMENTS ARE MADE IN WRITING BY THE CONTRACTOR WITH THE PROPERTY OWNERS WITH A COPY TO THE ENGINEER FOR SHORT-TERM CLOSURES.

**MIXTURE REQUIREMENTS**

LOCATION (S) AND MIXTURE USE (S):	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE - MAINLINE
AC/PG:	SES 64-25
RAP % : (MAX)	0%
DESIGN AIR VOIDS:	4.0% @ Ndes = 50
MIXTURE COMPOSITION: (GRADATION MIXTURE)	E 9.5 OR L 12.5
FRICITION AGGRGATE:	MIXTURE D

LOCATION (S) AND MIXTURE USE (S):	HOT-MIX ASPHALT BASE COURSE WIDENING *
AC/PG:	PG 64-22
RAP % : (MAX) **	25%
DESIGN AIR VOIDS:	4.0%
MIXTURE COMPOSITION: (GRADATION MIXTURE)	L 19.0
FRICITION AGGRGATE:	N/A

\* TO BE PLACED IN AT LEAST THREE LIFTS, MINIMUM LIFT THICKNESS IS 2 1/4", TOP LIFT SHOULD BE NOMINAL 2 1/4" LIFT.

\*\* IF > 15% RAP IS USED, THE CONTRACTOR MAY BE REQUIRED TO USE A SOFTER GRADE OF ASPHALT AS DETERMINED BY THE MATERIALS ENGINEER.

**CONSTRUCTION:**

CONSTRUCT TWO FIELD ENTRANCES ON SOUTH SIDE OF W. COURTLAND ST., AT LOCATIONS DESIGNATED BY PROPERTY OWNER. FIELD ENTRANCES TO BE CONSTRUCTED OF AGGREGATE SURFACE COURSE, TYPE B, AT A THICKNESS OF 10".

TYPICAL SECTIONS	AUSTIN ENGINEERING CO., INC.
FOR: VILLAGE OF MORTON	CIVIL ENGINEERING

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET
F.A.U. 6755	*	TAZEWELL	39	3
FED. ROAD DIST. NO. 7		BLANKS	PROJECT	M-6063-112

\*04-00114-00-PV  
CONTRACT NO. 89351

LOCATION OF WORK				ROAD STA.	ROAD STA.	ROAD STA.	ROAD STA.	ROAD STA.
				VETERANS RD. 19+40.74 TO 28+33.00	W. COURTLAND ST. 10+79.94 TO 32+41.67	VETERANS RD. 19+40.74 TO 28+33.00	W. COURTLAND ST. 10+79.94 TO 32+41.67	100 X VILLAGE W. COURTLAND ST. 32+41.67 TO 45+19.09
SUMMARY OF QUANTITIES				1000-2A	1000-2A	Y030-1E	Y030-1E	1000-2A
CODE NO.	ITEM	UNIT	TOTAL QUANTITY					
20200100	EARTH EXCAVATION	CU. YD.	973			560	413	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU. YD.	56					
20400800	FURNISHED EXCAVATION	CU. YD.	12,333	845	11,488			
20600110	GRANULAR EMBANKMENT, SPECIAL	TON	127					
20800250	TRENCH BACKFILL, SPECIAL	CU. YD.	135	6	129			
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ. YD.	124					
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU. YD.	6,027	370	5,657			
21301052	EXPLORATION TRENCH 52" DEPTH	FOOT	4,324		4,324			
25000100	SEEDING, CLASS 1	ACRE	2.98	0.77	2.21			
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	273.10	69.5	203.6			
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	273.10	69.5	203.6			
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	273.10	69.5	203.6			
25100115	MULCH, METHOD 2	ACRE	2.98	0.77	2.21			
28000255	TEMPORARY EROSION CONTROL SEEDING	ACRE	1.49	0.385	1.105			
28000300	TEMPORARY DITCH CHECKS	EACH	29	9	20			
28000400	PERIMETER EROSION BARRIER	FOOT	3,100		3,100			
28000500	INLET AND PIPE PROTECTION	EACH	22	6	16			
28000510	INLET FILTERS	EACH	14		14			
28100105	STONE RIPRAP, CLASS A3	SQ. YD.	24		24			
31100500	SUB-BASE GRANULAR MATERIAL, TYPE A 6"	SQ. YD.	9,382		9,382			
40200800	HOT-MIX ASPHALT BASE COURSE WIDENING, 11 1/4"	SQ. YD.	1,259	1,241	18			
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	88		88			
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	2,182	272				1,910
40600300	AGGREGATE (PRIME COAT)	TON	27	14				13
40600982	HOT-MIX ASPHALT SURFACE REMOVAL -- BUTT JOINT	SQ. YD.	200	200				
40603535	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50	TON	887	352				535
42000500	PORTLAND CEMENT CONCRETE PAVEMENT, 10"	SQ. YD.	8,882		8,882			
42001200	PAVEMENT FABRIC	SQ. YD.	8,882		8,882			
42001300	PROTECTIVE COAT	SQ. YD.	10,009		10,009			
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8"	SQ. YD.	50		50			
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ. YD.	6,368					6,368
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	210	20	190			
44002600	GUTTER OUTLET REMOVAL	FOOT	36	36				
44201341	CLASS C PATCHES, TYPE II, 9"	SQ. YD.	72					72
44300900	STRIP REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A	FOOT	1,676	1,676				
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ. YD.	116	116				
54200640	PIPE CULVERT, TYPE 1, CORRUGATED STEEL OR ALUMINUM CULVERT PIPE 15"	FOOT	80		80			
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	8		8			
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	2	1	1			
54214710	PRECAST REINFORCED CONCRETE FLARED END SECTIONS ELLIPTICAL, EQUIVALENT ROUND--SIZE 15"	EACH	1		1			
54215550	METAL END SECTIONS 15"	EACH	4		4			
55019500	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV 12"	FOOT	824		824			
55019700	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV 18"	FOOT	48	16	32			
55034200	STORM SEWERS, TYPE 1, REINFORCED CONCRETE ELLIPTICAL PIPE, SPAN 23, RISE 14	FOOT	58		58			
60241800	INLETS, TYPE G-1	EACH	14		14			
60257600	MANHOLES TO BE ADJUSTED WITH FRAME AND GRATE (SPECIAL)	EACH	1	1				
60603400	GUTTER OUTLET (SPECIAL)	EACH	2	2				
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	1,183	1,183				
60605900	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.12	FOOT	4,353		4,353			
60625000	ISLAND PAVEMENT (SPECIAL)	SQ. YD.	34	34				
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	11		11			
66700105	PERMANENT SURVEY MARKERS (SPECIAL)	EACH	2		2			
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL. MO.	4	1	3			
67100100	MOBILIZATION	L. SUM	1	0.50	0.50			
70101700	TRAFFIC CONTROL AND PROTECTION	L. SUM	1	0.50	0.50			
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	880	360				520
70300210	TEMPORARY PAVEMENT MARKING -- LETTERS & SYMBOLS	SQ. FT.	522.2	62.4	280.8			179.0
70300220	TEMPORARY PAVEMENT MARKING -- LINE 4"	FOOT	13,008	3,507	5,580			3,921
70300250	TEMPORARY PAVEMENT MARKING -- LINE 8"	FOOT	996	230	457			309
70300260	TEMPORARY PAVEMENT MARKING -- LINE 12"	FOOT	486	311	87			88
70300280	TEMPORARY PAVEMENT MARKING -- LINE 24"	FOOT	128		28			100
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ. FT.	290	118				172
72000100	SIGN PANEL -- TYPE 1	SQ. FT.	103.75	29	56.25			18.5
73000100	WOOD SIGN SUPPORT	FOOT	193.00	52.0	103.0			38.0
* 78000200	THERMOPLASTIC PAVEMENT MARKING -- LINE 4"	FOOT	7,441	3,520				3,921
* 78000500	THERMOPLASTIC PAVEMENT MARKING -- LINE 8"	FOOT	741	432				309
* 78000600	THERMOPLASTIC PAVEMENT MARKING -- LINE 12"	FOOT	399	311				88
* 78000650	THERMOPLASTIC PAVEMENT MARKING -- LINE 24"	FOOT	128	28				100
* 78006100	PREFORMED THERMOPLASTIC PAVEMENT MARKING -- LETTERS & SYMBOLS	SQ. FT.	241.4	62.4				179
* 78008200	POLYUREA PAVEMENT MARKING TYPE 1 -- LETTERS & SYMBOLS	SQ. FT.	280.8		280.8			
* 78008210	POLYUREA PAVEMENT MARKING TYPE 1 -- LINE 4"	FOOT	5,568		5,568			
* 78008240	POLYUREA PAVEMENT MARKING TYPE 1 -- LINE 8"	FOOT	256		256			
* 78008250	POLYUREA PAVEMENT MARKING TYPE 1 -- LINE 12"	FOOT	87		87			
* 78300100	PAVEMENT MARKING REMOVAL	FOOT	117					117
* 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1			1		
* 81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	3,034			911	2,123	
* 81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	9,300			2,787	6,513	
* 81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	3,034			911	2,123	
* 82102150	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 150 WATT	EACH	11			3	8	
* 82500605	LIGHTING CONTROLLER PHOTOCELL RELAY	EACH	1				1	
* 83000200	LIGHT POLE, ALUMINUM, 30 FT. M.H., 6 FT. DAVIT ARM	EACH	11			3	8	
* 83600100	LIGHT POLE FOUNDATION	EACH	11			3	8	
* Z0076600	TRAINEES	HOUR	500	200	300			
* XX006338	EROSION CONTROL BLANKET (SPECIAL)	SQ. YD.	2,105	1,445	660			

\* SPECIALTY ITEMS  
Δ Y080

SUMMARY OF QUANTITIES		AUSTIN ENGINEERING CO., INC. CIVIL ENGINEERS	
FOR: VILLAGE OF MORTON, IL	PROJ. NO.	ILLINOIS	
DATE 3/21/08	SCALE NONE	BOOK	SHEET NO. 3 OF 39

PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 6755	*	TAZEWELL	39	4

PROJ. NO. 00114-00-PV  
CONTRACT NO. 89351

**EARTHWORK SUMMARY (FOR INFORMATION ONLY)**

EARTH EXCAVATION	973 C.Y.
* FURNISHED EXCAVATION	12,333 C.Y.
BORROW	TOTAL 11,360 C.Y.
** TOP SOIL EXCAVATION	6,027 C.Y.
*** TOP SOIL PLACEMENT	1,669 C.Y.
WASTE TOPSOIL	SUB-TOTAL 4,358 C.Y.
WASTE MATERIAL FROM SEWER TRENCHES	140 C.Y.
TOTAL WASTE	TOTAL 4,498 C.Y.

\* INCLUDES 20% SHRINKAGE  
\*\* TOPSOIL EXCAVATION LIMITS ARE FROM:  
LT. & RT. STA. 11+00.00 TO LT. & RT. STA. 32+41.67 (W. COURTLAND ST.)  
RT. STA. 19+41.00 TO RT. STA. 28+33.00 (VETERANS RD.)  
\*\*\* INCLUDES 5% SHRINKAGE

**AGGREGATE SURFACE COURSE, TY. B, 10"**

LOCATION	AGGREGATE SURF. CSE., TY. B, 10" (TON)
W. COURTLAND ST.	
* RT. STA. 25+25	44
* RT. STA. 29+25	44
PROJECT TOTAL	88 TON

\* THE ACTUAL LOCATIONS TO BE DETERMINED BY THE PROPERTY OWNER DURING CONSTRUCTION.

**BASE REPAIR ITEMS**

LOCATION	REMOVAL AND DISPOSAL OF UNSUITABLE MAT'L (C.Y.)	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (S.Y.)	GRANULAR EMBANKMENT SPECIAL (TON)
VETERANS RD.			
LT. & RT. STA. 19+40.74 TO STA. 28+33.00	56	124	127
PROJECT TOTAL	56 C.Y.	124 S.Y.	127 TON

QUANTITIES FOR THE FOLLOWING ITEMS HAVE BEEN ESTIMATED FOR BASE REPAIRS. THE AREA HAS BEEN ESTIMATED USING 1% OF THE NEW PAVEMENT WIDENING AREAS. REMOVAL IS ESTIMATED USING A 1.5' DEPTH AND THE GRANULAR MATERIAL IS ESTIMATED USING 2.05 TON PER CUBIC YARD.

**STONE RIPRAP, CL. A3**

LOCATION	QUANTITY
RT. STA. 10+89	3 SQ. YD.
RT. STA. 13+37	3
LT. STA. 13+39	3
LT. STA. 16+34	3
LT. STA. 19+39	3
RT. STA. 19+50	3
LT. STA. 22+35	3
RT. STA. 22+50	3
PROJECT TOTAL	24 SQ. YD.

**AGGREGATE SHOULDERS, TYPE B, 6"**

LOCATION	QUANTITY
VETERANS RD.	
RT. STA. 25+70.50 TO STA. 28+33.00	57 SQ. YD.
LT. STA. 25+74.50 TO STA. 28+33.00	59
PROJECT TOTAL	116 SQ. YD.

**EXPLORATION TRENCH, 62" DEPTH**

LOCATION	QUANTITY
W. COURTLAND ST.	
32' RT. STA. 10+40.74 TO STA. 32+41.67	2,162 FT.
32' LT. STA. 10+40.74 TO STA. 32+41.67	2,162
PROJECT TOTAL	4,324 FT.

**TEMPORARY PAVEMENT MARKING**

LOCATION	LETTERS & SYMBOLS (SQ.FT.)	LINE-4" (FT.)	LINE-6" (FT.)	LINE-12" (FT.)	LINE-24" (FT.)
W. COURTLAND ST.					
RT. & LT. STA. 10+79.94 TO STA. 45+19.09	459.8	9,501	766	175	128
VETERANS RD.					
RT. & LT. STA. 19+40.74 TO STA. 28+33.00	62.4	3,507	230	311	-
PROJECT TOTAL	522.2 SQ.FT.	13,008 FT.	996 FT.	486 FT.	128 FT.

**HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT**

LOCATION	QUANTITY
VETERANS RD.	
LT. & RT. STA. 19+40.74 TO STA. 19+76.74	120 SQ. YD.
LT. & RT. STA. 28+03.00 TO STA. 28+33.00	80
PROJECT TOTAL	200 SQ. YD.

**R.O.W. MARKERS & SURVEY MARKERS**

LOCATION	FURN. & ERECT. R.O.W. MARKERS (EACH)	PERMANENT SURVEY MARKERS (SPECIAL) (EACH)
222' RT. STA. 10+43	1 EA.	-
173' RT. STA. 10+69	1	-
98' LT. STA. 10+75	1	-
60' LT. STA. 11+00	-	1
69' RT. STA. 11+04	1	-
40' LT. & RT. STA. 13+00	2	-
40' LT. & RT. STA. 21+25	2	-
44' RT. STA. 32+16	-	1
38' RT. STA. 32+16	1	-
31' LT. STA. 32+19	1	-
36' LT. STA. 32+19	1	-
PROJECT TOTAL	11 EA.	2 EA.

**EROSION CONTROL BLANKET FOR SLOPES 3:1 OR GREATER**

LOCATION	QUANTITY
W. COURTLAND ST.	
RT. STA. 11+00.00 TO STA. 15+75.00	258 SQ. YD.
LT. STA. 11+00.00 TO STA. 15+75.00	267
LT. STA. 16+50.00 TO STA. 19+50.00	10
LT. STA. 21+50.00 TO STA. 25+00.00	49
RT. STA. 27+75.00 TO STA. 29+00.00	20
LT. STA. 27+75.00 TO STA. 29+25.00	18
RT. STA. 31+00.00 TO STA. 31+75.00	38
VETERANS RD.	
RT. STA. 19+50.00 TO STA. 22+00.00	587 SQ. YD.
RT. STA. 23+00.00 TO STA. 28+00.00	858
PROJECT TOTAL	2,105 SQ. YD.

**CLASS C PATCHES, TYPE II, 9"**

LOCATION	QUANTITY
W. COURTLAND ST.	
LT. STA. 33+00.00	12 SQ. YD.
RT. STA. 33+00.00	12
LT. STA. 38+00.00	12
RT. STA. 38+00.00	12
LT. STA. 43+00.00	12
RT. STA. 43+00.00	12
PROJECT TOTAL	72 SQ. YD.

**ISLAND PAVEMENT**

LOCATION	QUANTITY
VETERANS RD.	
RT. STA. 22+65 TO RT. STA. 22+84	34 S.Y.
PROJECT TOTAL	34 S.Y.

**COMB. CONC. CURB & GUTTER, TYPE B-8.12**

LOCATION	QUANTITY
VETERANS RD.	
RT. STA. 19+40.74 TO RT. STA. 22+20.00	298 FT.
LT. STA. 19+40.74 TO LT. STA. 25+63.00	603
RT. STA. 22+98.00 TO RT. STA. 25+63.00	282
PROJECT TOTAL	1,183 FT.

**COMB. CONC. CURB & GUTTER, TYPE B-9.12**

LOCATION	QUANTITY
W. COURTLAND ST.	
* RT. STA. 10+79.94 TO RT. STA. 32+41.50	2,086 FT.
* LT. STA. 10+79.94 TO LT. STA. 34+04.00	2,267
PROJECT TOTAL	4,353 FT.

\* INCLUDES THE 10' DEDUCTION FOR INLET APRONS

**SEEDING SCHEDULE**

LOCATION	FURN. & PLACING TOPSOIL 4" (SQ.YD.)*	SEEDING CLASS I (ACRE)	NITROGEN FERTILIZER NUTRIENT (LB) **	PHOSPHORUS FERTILIZER NUTRIENT (LB) **	POTASSIUM FERTILIZER NUTRIENT (LB) **	MULCH METHOD 2 (ACRE) ***	TEMPORARY EROSION CONTROL SEEDING (ACRE) ****	TEMPORARY MULCH (ACRE)
W. COURTLAND ST.								
LT. & RT. STA. 11+00.00 TO STA. 32+41.67	10,455	2.16	199.0	199.0	199.0	2.16	1.080	1.080
LT. STA. 32+41.67 TO LT. STA. 34+65.00	248	0.05	4.6	4.6	4.6	0.05	0.025	0.025
VETERANS RD.								
LT. & RT. STA. 19+40.74 TO STA. 28+33.00	3,691	0.76	68.6	68.6	68.6	0.76	0.380	0.380
LT. STA. 19+00.00 TO LT. STA. 19+40.74	53	0.01	0.9	0.9	0.9	0.01	0.005	0.005
PROJECT TOTAL	14,447 SQ.YD.	2.98 ACRE	273.10 LB	273.10 LB	273.10 LB	2.98 ACRE	1.49 ACRE	1.49 ACRE

\* 14,447 SQ. YDS. AT 4" THICK EQUATES TO 1,589 CUBIC YARDS OF TOPSOIL (FOR INFORMATION ONLY).  
\*\* FERTILIZER TO BE APPLIED AT 270 LBS. PER ACRE AT A 1-1-1 RATIO.  
\*\*\* PROCEDURE 1 TO BE USED AT 2 TONS PER ACRE.  
\*\*\*\* TEMPORARY SEEDING AND MULCHING WAS ESTIMATED USING 50% OF THE PERMANENT SEEDING. TEMPORARY MULCH IS SHOWN FOR INFORMATION ONLY AND SHALL BE INCLUDED IN THE PRICE FOR TEMPORARY SEEDING.

**SHORT TERM PAVEMENT MARKINGS \***

LOCATION	QUANTITY
W. COURTLAND ST.	
RT. & LT. STA. 32+41.67 TO STA. 45+19.09	520 FT. **
VETERANS RD.	
RT. & LT. STA. 19+40.74 TO STA. 28+33.00	360 FT. ***
PROJECT TOTAL	880 FT.

**WORK ZONE PAVEMENT MARKING REMOVAL**

LOCATION	QUANTITY
W. COURTLAND ST.	
RT. & LT. STA. 32+41.67 TO STA. 45+19.09	172 S.F.
VETERANS RD.	
RT. & LT. STA. 19+40.74 TO STA. 28+33.00	118 S.F.
PROJECT TOTAL	290 S.F.

**COMB. CURB & GUTTER REMOVAL**

LOCATION	QUANTITY
W. COURTLAND ST.	
RT. STA. 32+28.00 TO RT. STA. 32+41.50	14 FT.
LT. STA. 32+28.00 TO LT. STA. 34+04.00	176
VETERANS RD.	
RT. STA. 19+40.74 TO RT. STA. 19+50.74	10 FT.
LT. STA. 19+40.74 TO RT. STA. 19+50.74	10
PROJECT TOTAL	210 FT.

**PAVING SCHEDULE**

LOCATION	AREA (SQ.YD.)	SUB-BASE GRANULAR MATERIAL TY. A, 6" (SQ.YD.)	P.C.C. PAVEMENT, 10" (SQ.YD.)	PROTECTIVE COAT (SQ.YD.) *	PAVEMENT FABRIC (SQ. YD.)	HOT-MIX ASPHALT SURFACE COURSE REMOVAL, 1 1/2" (SQ. YD.)	BITUMINOUS MATERIALS (PRIME COAT) (GALLON) **	AGGREGATE (PRIME COAT) (TON) ***	HOT-MIX ASPHALT BASE COURSE WIDENING, 1 1/4" (SQ.YD.)	STRIP REFLECTIVE CRACK CONTROL TREATMENT (FOOT)	POLY. HOT-MIX ASPHALT SURF. CSE., MIX. D, NSO, 1 1/2" (TON)
VETERANS RD.											
LT. & RT. STA. 19+40.74 TO STA. 28+33.00	4,192	-	-	-	-	-	210	9	-	-	352
RT. STA. 19+56.45 TO RT. STA. 28+33.00	946	-	-	-	-	-	47	4	946	881	-
LT. STA. 20+32.00 TO LT. STA. 28+33.00	295	-	-	-	-	-	15	1	295	795	-
W. COURTLAND ST.											
LT. & RT. STA. 10+79.94 TO STA. 32+41.67	8,882	9,382	8,882	10,009	8,882	-	-	-	-	-	-
LT. & RT. STA. 32+41.67 TO STA. 45+19.09	6,368	-	-	-	-	6,368	1,910	13	18	-	535
PROJECT TOTAL		9,382 SQ. YD.	8,882 SQ. YD.	10,009 SQ. YD.	8,882 SQ. YD.	6,368 SQ. YD.	2,182 GAL.	27 TON	1,259 SQ. YD.	1,676 FOOT	887 TON

\* PROTECTIVE COAT APPLIED TO PAVEMENT, GUTTER PAN, FACE AND TOP OF CURB.  
\*\* PRIME ESTIMATED @ 0.05 GAL/SQ.YD. ON BITUMINOUS WIDENING & EX. SURFACE COURSE @ 0.30 GAL/SQ.YD. ON MILLED SURFACE COURSE.  
\*\*\* AGGREGATE PRIME ESTIMATED @ 4 POUNDS/SQ.YD. ON ALL APPLICATIONS OF PRIME ALL BITUMINOUS ITEMS ESTIMATED AT 112 POUNDS/SQ.YD./IN. THICKNESS

\* ESTIMATED USING 10 FT. PER STATION/APPLICATION  
\*\* APPLICATIONS ON MILLED SURFACE & AND SURFACE COURSE.  
\*\*\* APPLICATIONS ON EXISTING SURFACE COURSE IF NEEDED AND ON PROPOSED SURFACE COURSE.

QUANTITIES NOT OTHERWISE SHOWN

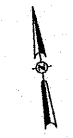
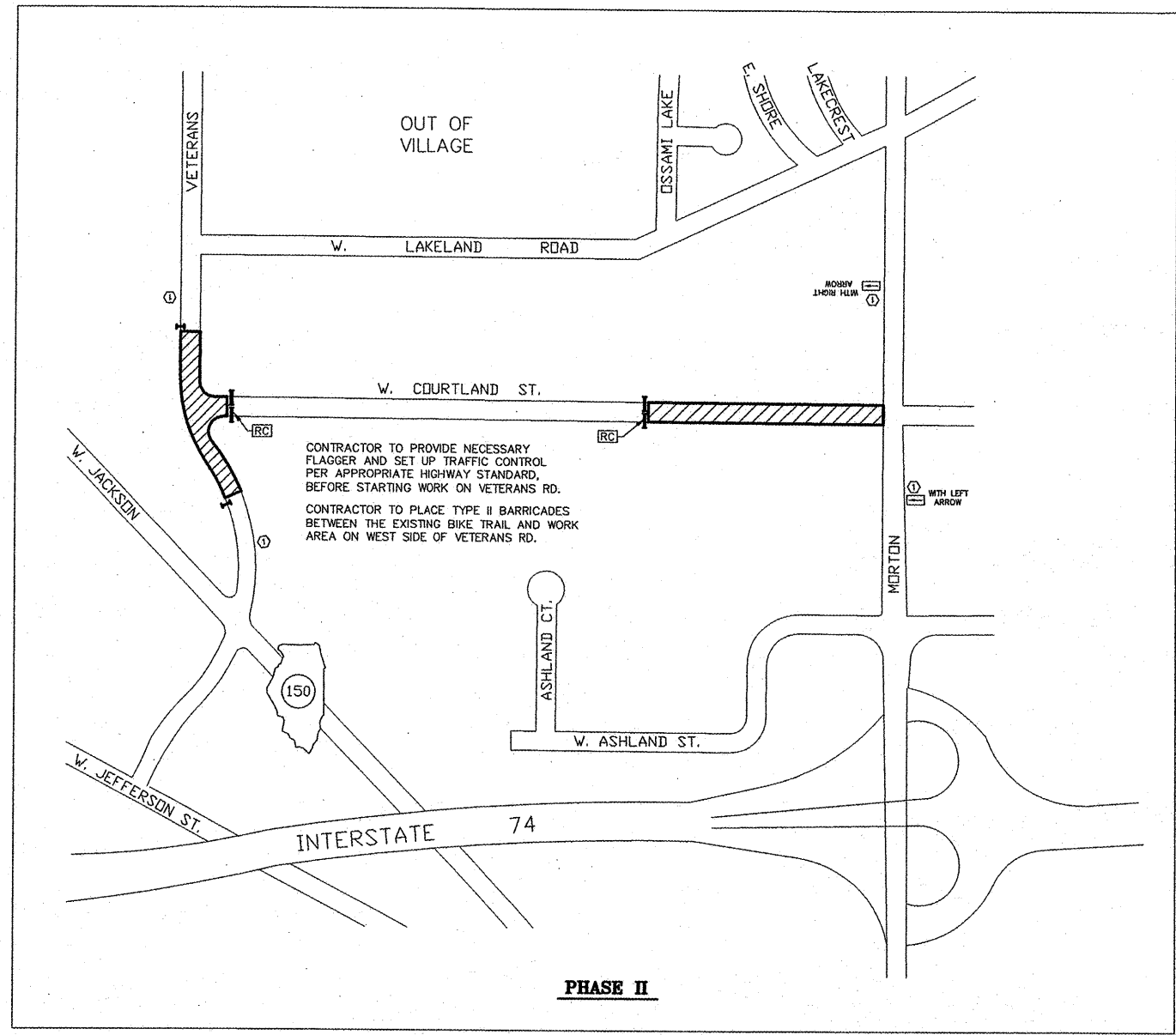
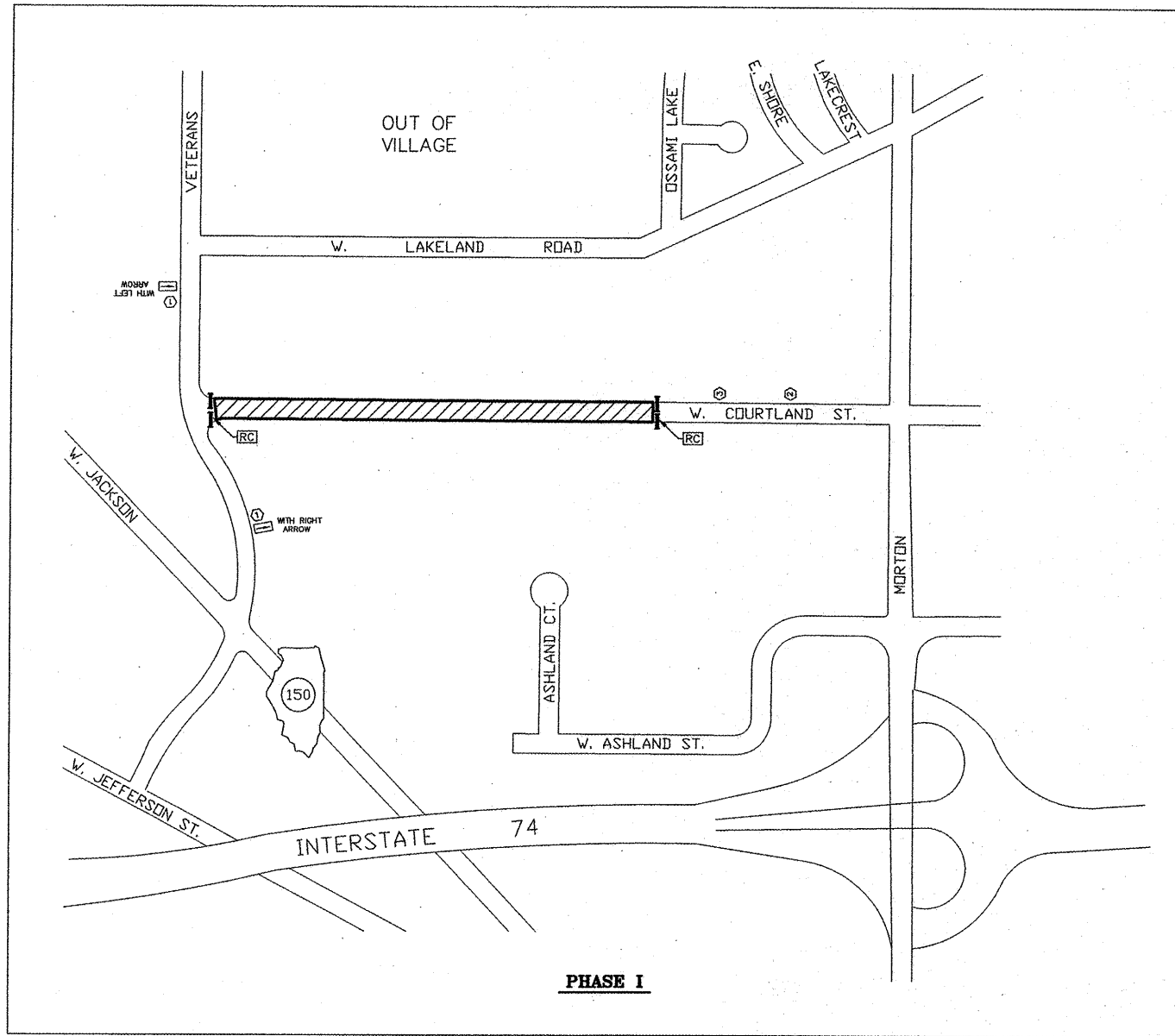
**AUSTIN ENGINEERING CO., INC.**  
CIVIL ENGINEERS

PROJ. NO. 00114-00-PV  
CONTRACT NO. 89351

FOR: VILLAGE OF MORTON, IL  
DATE: 3/21/08

SCALE: NONE  
BOOK: \_\_\_\_\_

PROJECT NUMBER: \_\_\_\_\_  
SHEET NO. 4 OF 39

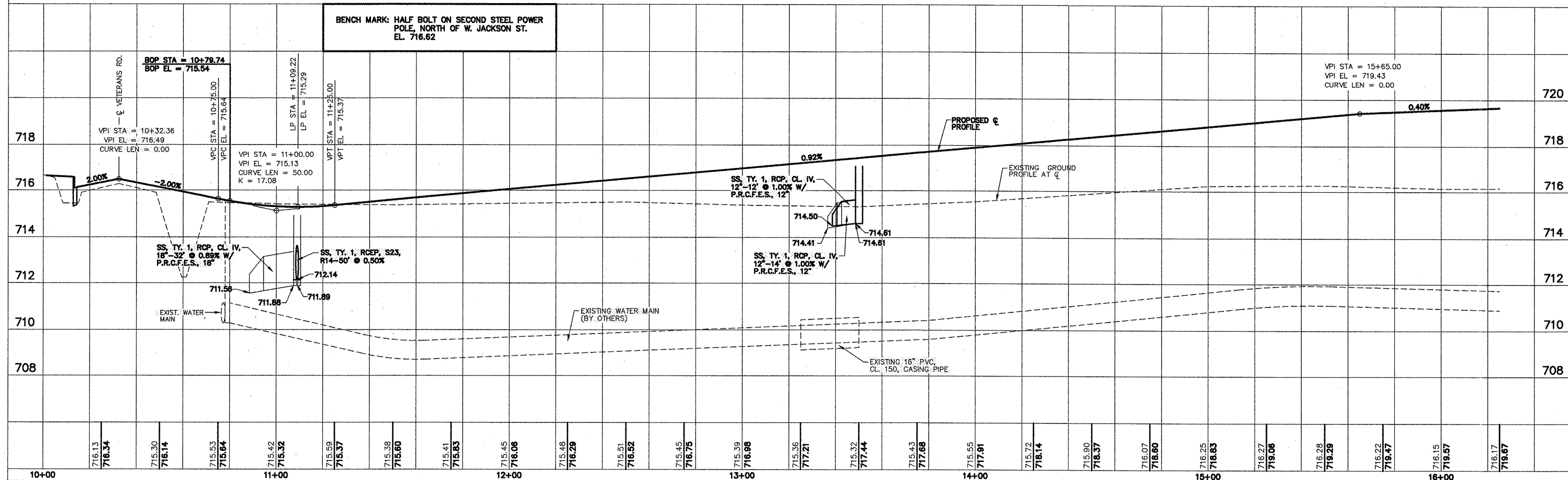
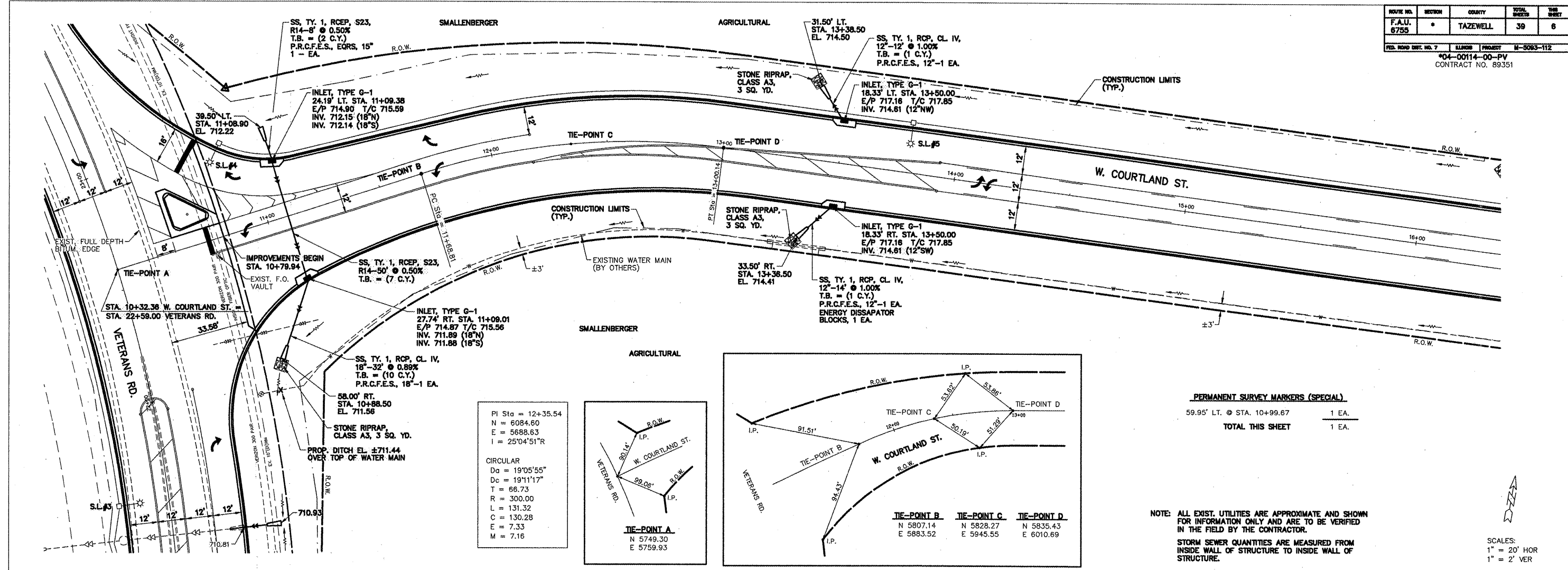


- LEGEND**
- WORK AREA
  - ROAD CONSTRUCTION AHEAD
  - ROAD CLOSED AHEAD
  - ROAD CLOSED 500 FEET
  - ROAD CLOSED SIGN ON BARRICADES
  - ROAD CLOSED TO THROUGH TRAFFIC
  - TYPE II BARRICADES
  - TYPE III BARRICADES

**NOTES**

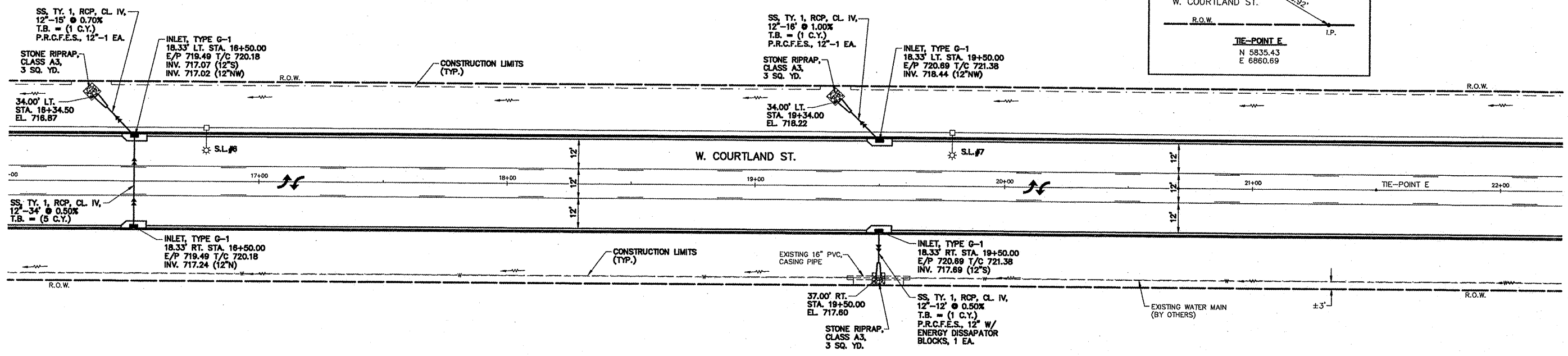
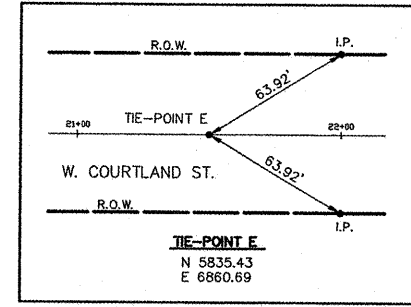
1. TYPE III BARRICADES SHALL BE PLACED TO FORM AN UNBROKEN LINE FROM EDGE OF PAVEMENT TO EDGE OF PAVEMENT.
2. FLASHING LIGHTS SHALL BE USED ON EACH APPROACH IN ADVANCE OF THE WORK AREA DURING HOURS OF DARKNESS AND PLACED ON EACH PERMANENT SIGN.
3. WHEN CONSTRUCTION REQUIRES THE CLOSURE OF ANY LANES, THE CONTRACTOR SHALL INSTALL APPROPRIATE SIGNS AND SHALL PROVIDE ALL NECESSARY FLAGGER. TWO WAY, TWO LANE TRAFFIC SHALL BE PROVIDED ON EXISTING W. COURTLAND ST. AND VETERANS RD. AT ALL TIMES.
4. ALL LANE CLOSURES SHALL BE DONE IN ACCORDANCE WITH APPROPRIATE HIGHWAY STANDARDS AND AS DIRECTED BY THE ENGINEER.

PROJECT NO.	DISTRICT	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 6755	•	TAZEWELL	39	6
FED. ROAD DIST. NO. 7				
ELIGIBLE PROJECT M-5063-112				
*04-00114-00-PV				
CONTRACT NO. 89351				

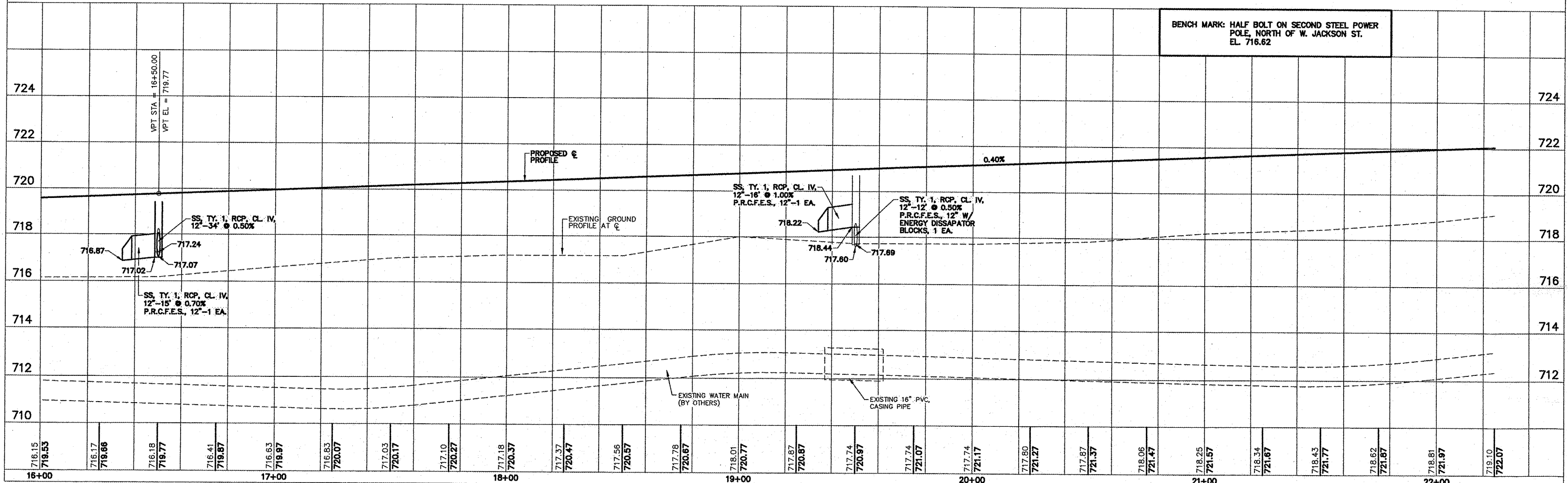


NOTE: ALL EXIST. UTILITIES ARE APPROXIMATE AND SHOWN FOR INFORMATION ONLY AND ARE TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR.  
 STORM SEWER QUANTITIES ARE MEASURED FROM INSIDE WALL OF STRUCTURE TO INSIDE WALL OF STRUCTURE.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET
F.A.U. 8755	*	TAZEWELL	39	7
FED. ROAD DIST. NO. 7		ILLINOIS	PROJECT	M-5093-112
		*04-00114-00-PV CONTRACT NO. 89351		



SCALES:  
 1" = 20' HOR  
 1" = 2' VER

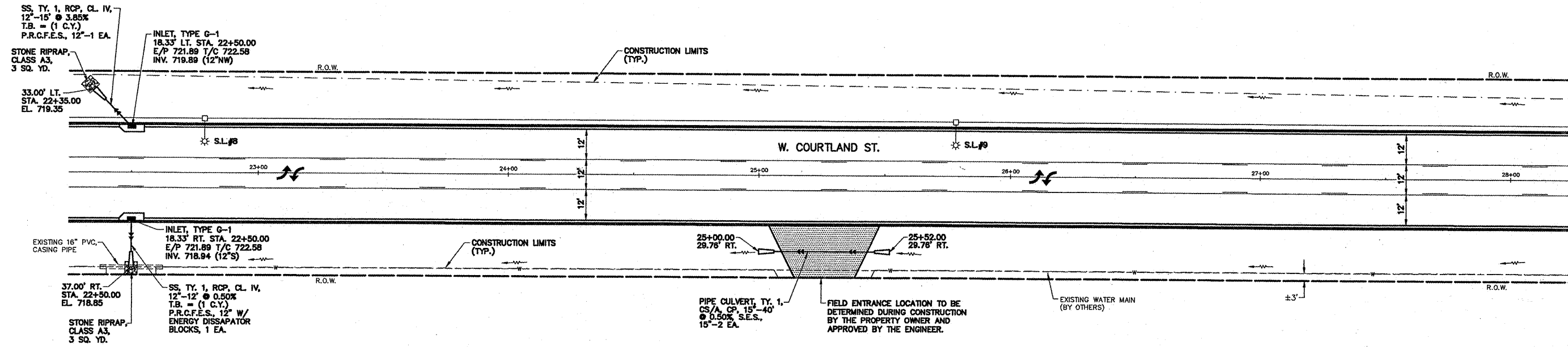


BENCH MARK: HALF BOLT ON SECOND STEEL POWER POLE, NORTH OF W. JACKSON ST. EL. 716.62

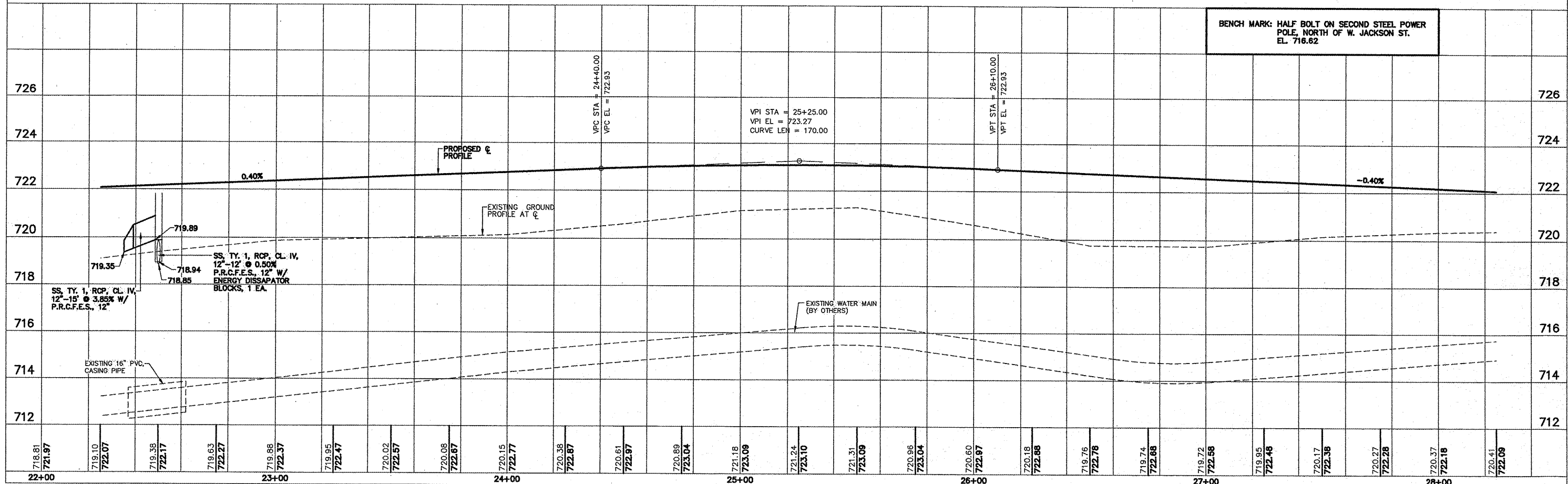
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STORM SEWER QUANTITIES ARE MEASURED FROM INSIDE WALL OF STRUCTURE TO INSIDE WALL OF STRUCTURE.

MAPLE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET
F.A.U. 0755	*	TAZEWELL	39	8
FED. ROAD DIST. NO. 7		BLISS	PROJECT	M-5003-112
*04-00114-00-PV CONTRACT NO. 89351				



SCALES:  
1" = 20' HOR  
1" = 2' VER

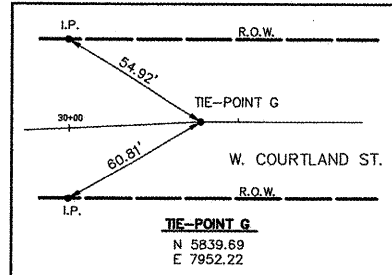
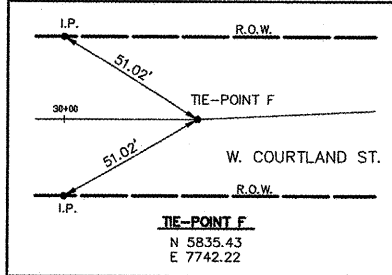
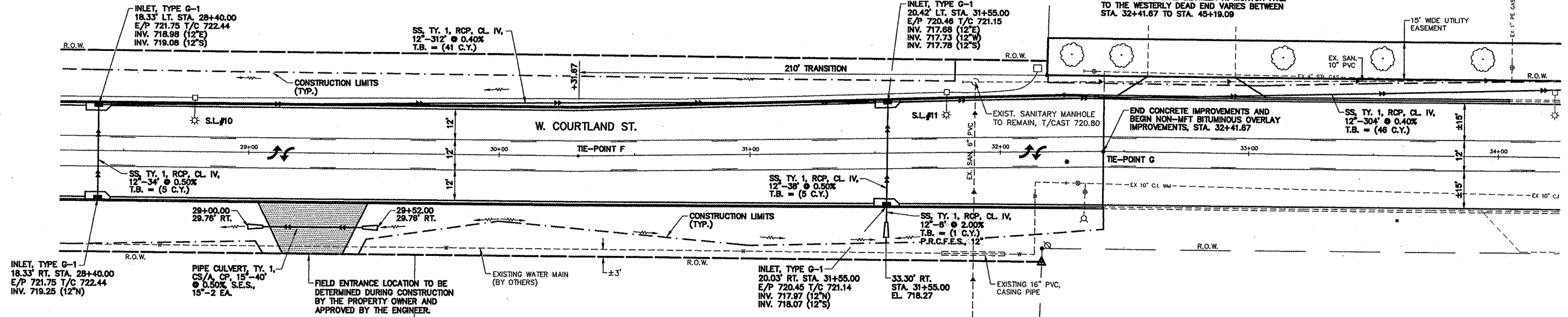




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STORM SEWER QUANTITIES ARE MEASURED FROM INSIDE WALL OF STRUCTURE TO INSIDE WALL OF STRUCTURE.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	THIS SHEET
F.A.U. 6755	*	TAZEWELL	39	9
FED. ROAD DIST. NO. 7		ILLINOIS PROJECT	M-5063-112	
		*04-00114-00-PV		
		CONTRACT NO. 89351		



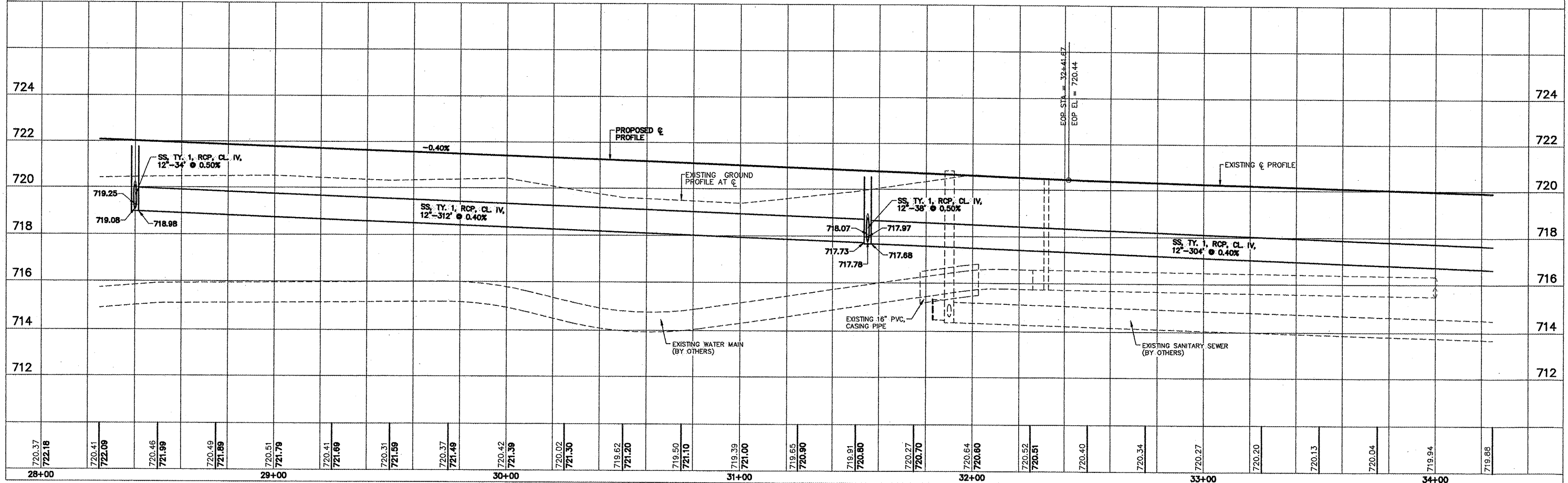
**PERMANENT SURVEY MARKERS (SPECIAL)**

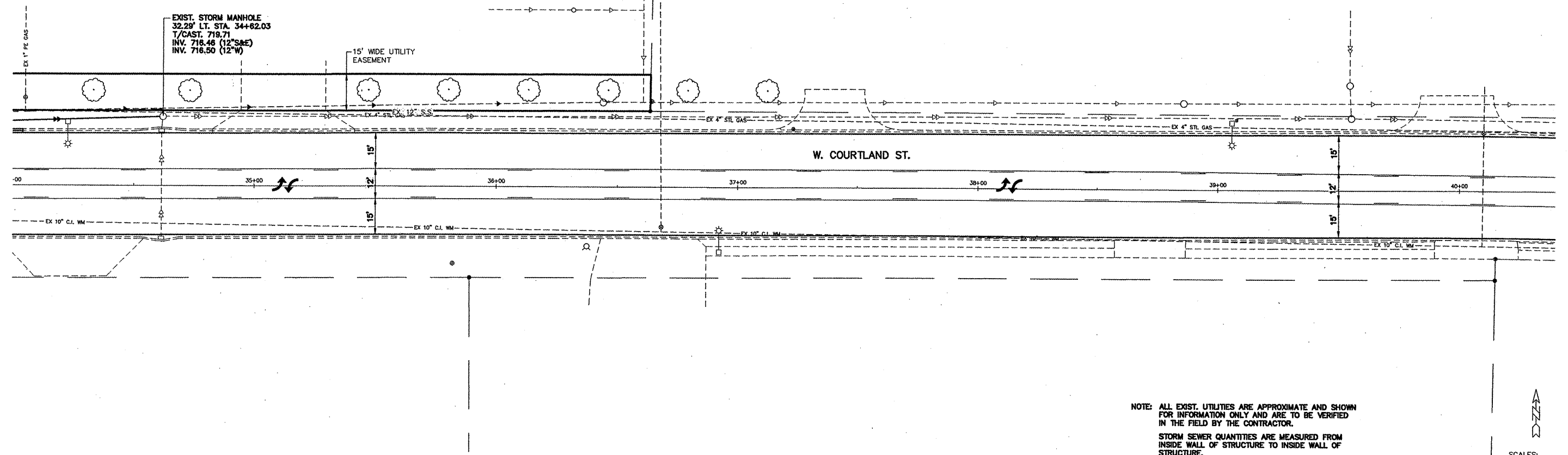
43.75' RT. @ STA. 32+16.10	1 EA.
<b>TOTAL THIS SHEET</b>	<b>1 EA.</b>

**P.C.C. DRIVEWAY PAVEMENT, 8"**

LOCATION	QUANTITY
LT. STA. 32+78	50 S.Y.
<b>PROJECT TOTAL</b>	<b>50 S.Y.</b>

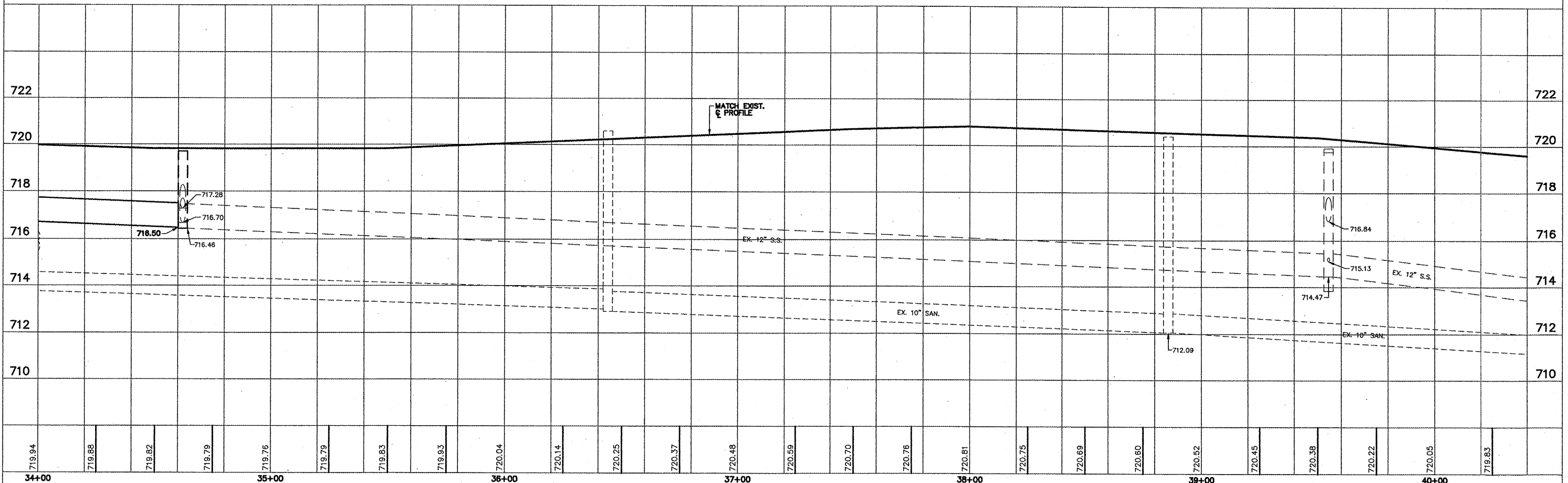
SCALES:  
1" = 20' HOR  
1" = 2' VER





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 STORM SEWER QUANTITIES ARE MEASURED FROM INSIDE WALL OF STRUCTURE TO INSIDE WALL OF STRUCTURE.

SCALES:  
 1" = 20' HOR  
 1" = 2' VER

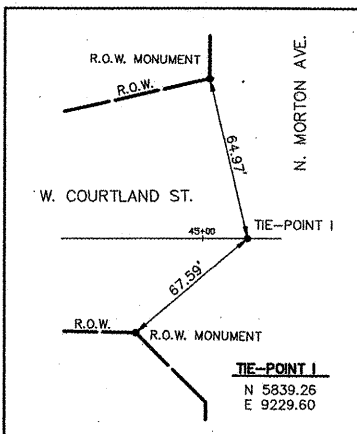
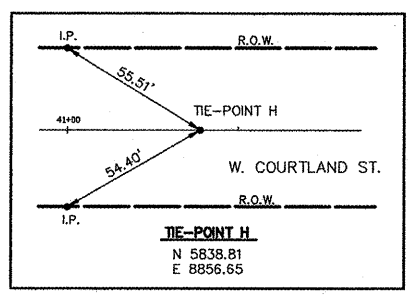
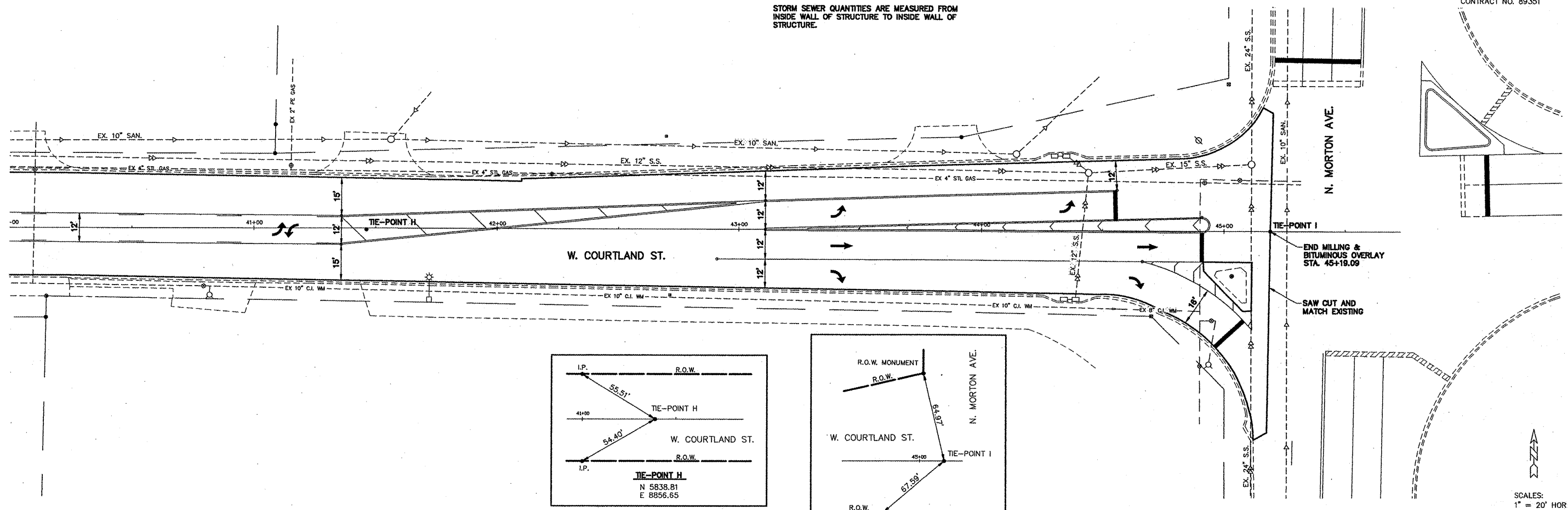


ROUTE NO.	DISTRICT	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 8755	*	TAZEWELL	39	11

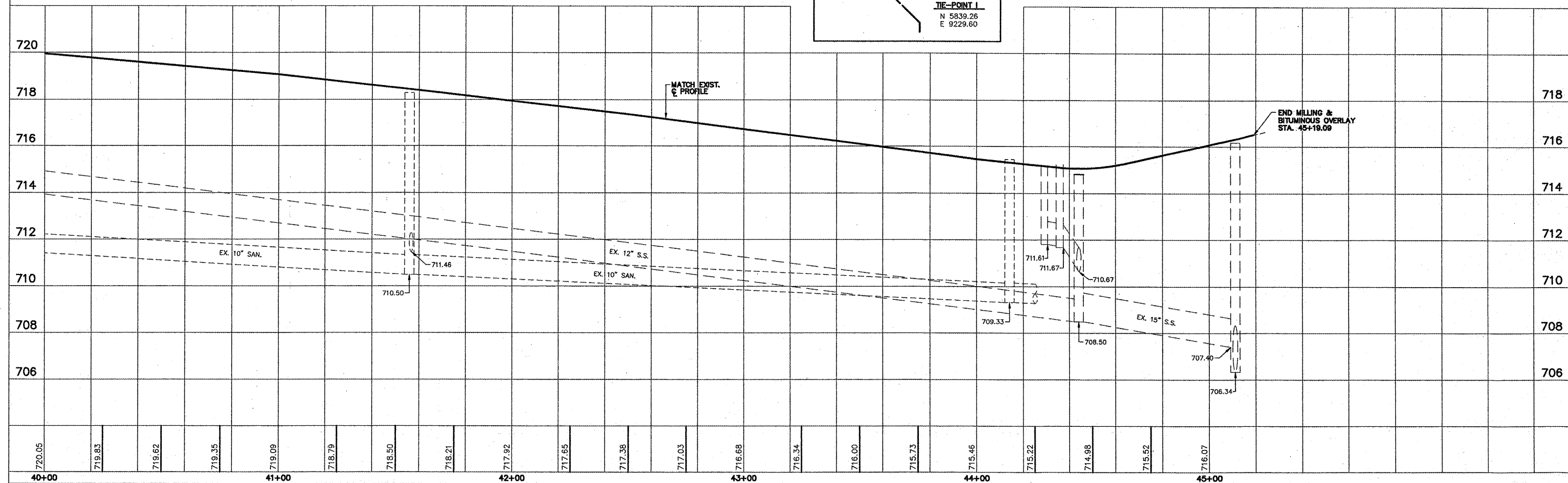
FED. ROAD DIST. NO. 7 ILLINOIS PROJECT M-5093-112

404-00114-00-PV  
CONTRACT NO. 89351

NOTE: ALL EXIST. UTILITIES ARE APPROXIMATE AND SHOWN FOR INFORMATION ONLY AND ARE TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR.  
STORM SEWER QUANTITIES ARE MEASURED FROM INSIDE WALL OF STRUCTURE TO INSIDE WALL OF STRUCTURE.



SCALES:  
1" = 20' HOR  
1" = 2' VER



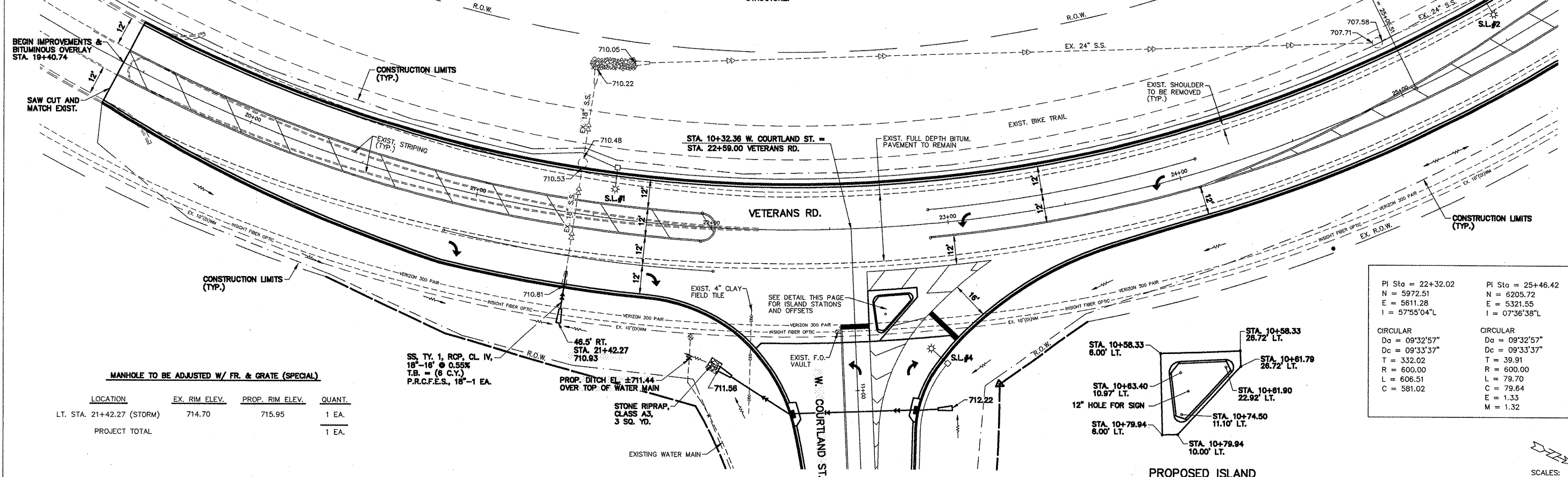
ROUTE NO.	DISTRICT	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 8755	*	TAZEWELL	39	12

FED. ROAD DIST. NO. 7  
 \*04-00114-00-PV  
 CONTRACT NO. 89351

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 STORM SEWER QUANTITIES ARE MEASURED FROM INSIDE WALL OF STRUCTURE TO INSIDE WALL OF STRUCTURE.

BEGIN IMPROVEMENTS & BITUMINOUS OVERLAY STA. 19+40.74

SAW CUT AND MATCH EXIST.



MANHOLE TO BE ADJUSTED W/ FR. & GRATE (SPECIAL)

LOCATION	EX. RIM ELEV.	PROP. RIM ELEV.	QUANT.
LT. STA. 21+42.27 (STORM)	714.70	715.95	1 EA.
PROJECT TOTAL			1 EA.

SS. TY. 1, RCP, CL. IV, 18"-18" @ 0.55%  
 T.B. = (6 C.Y.)  
 P.R.C.F.E.S., 18"-1 EA.

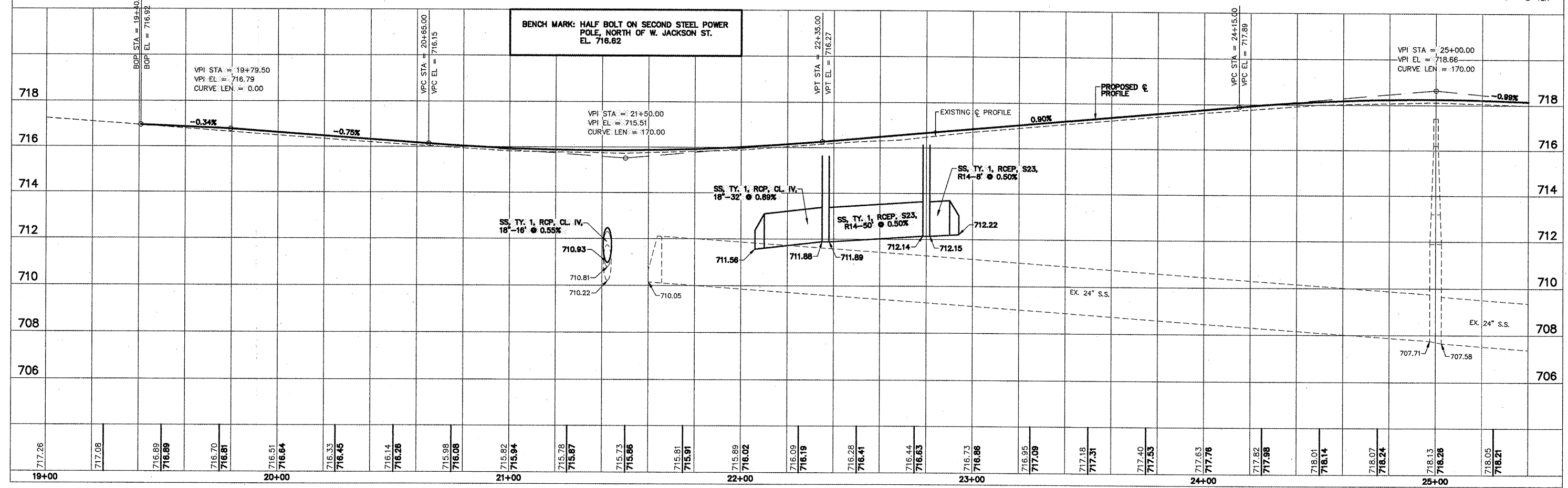
PROP. DITCH EL. ±711.44 OVER TOP OF WATER MAIN

STONE RIPRAP, CLASS A3, 3 SQ. YD.

PI Sta = 22+32.02 N = 5972.51 E = 5611.28 I = 57°55'04"L	PI Sta = 25+46.42 N = 6205.72 E = 5321.55 I = 07°36'38"L
CIRCULAR D <sub>a</sub> = 09°32'57" D <sub>c</sub> = 09°33'37" T = 332.02 R = 600.00 L = 606.51 C = 581.02	CIRCULAR D <sub>a</sub> = 09°32'57" D <sub>c</sub> = 09°33'37" T = 39.91 R = 600.00 L = 79.70 C = 79.64 E = 1.33 M = 1.32

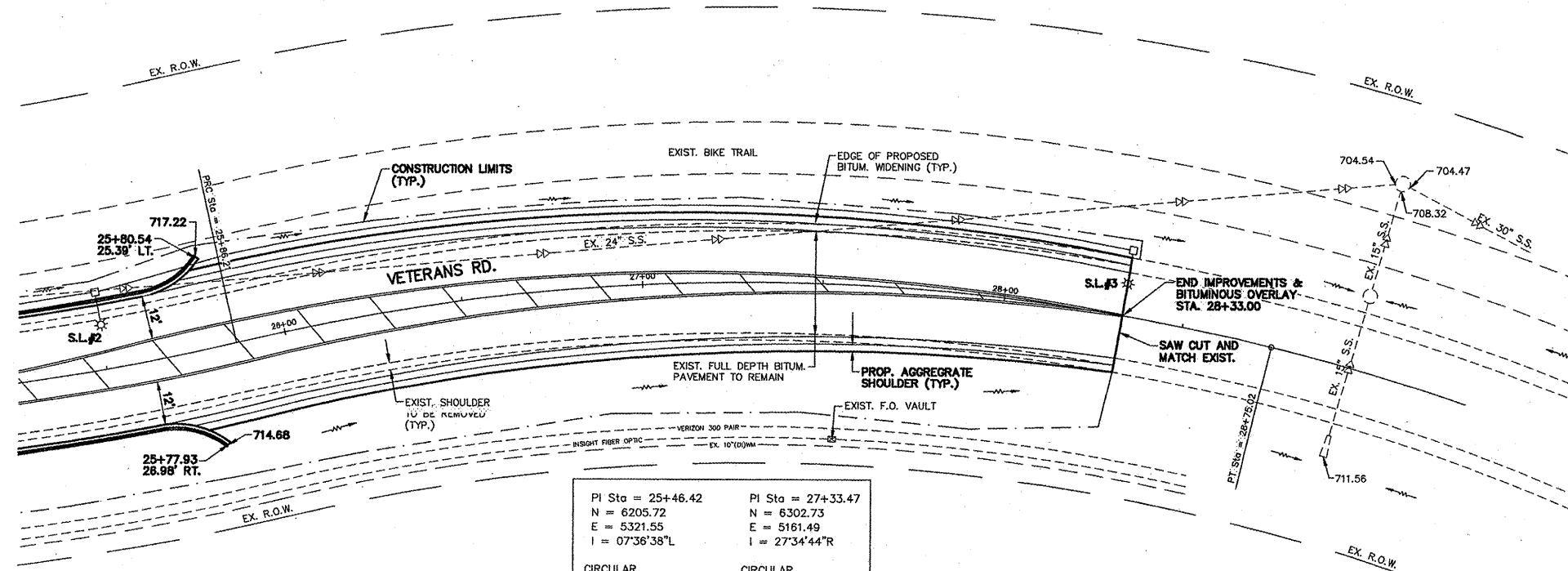
PROPOSED ISLAND STATION & OFFSETS

SCALES:  
 1" = 20' HOR  
 1" = 2' VER



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.	*	TAZEWELL	39	13

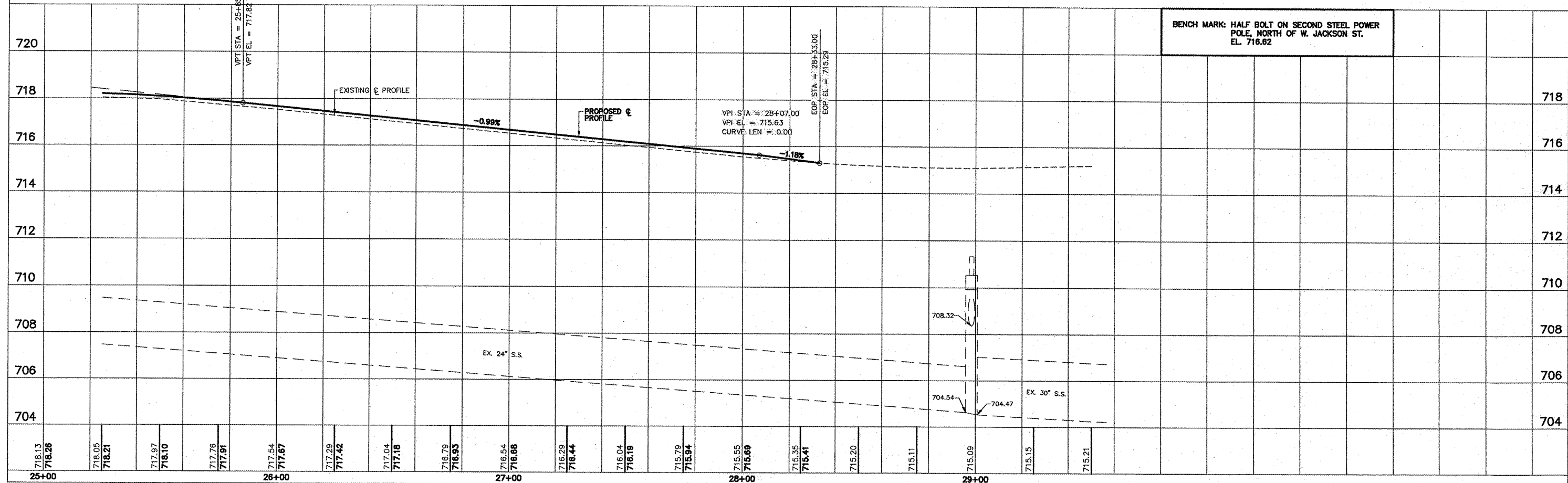
FED. ROAD DIST. NO. 7  
 \*04-00114-00-PV  
 PROJECT N-5063-112  
 CONTRACT NO. 89351



PI Sta = 25+46.42	PI Sta = 27+33.47
N = 6205.72	N = 6302.73
E = 5321.55	E = 5161.49
I = 07°36'38\"L	I = 27°34'44\"R
CIRCULAR	
Da = 09°32'57"	Da = 09°32'57"
Dc = 09°33'37"	Dc = 09°33'37"
T = 39.91	T = 147.26
R = 600.00	R = 600.00
PI Sta = 22+32.02	L = 288.81
N = 5972.51	C = 286.03
E = 5611.28	E = 17.81
I = 57°55'04\"L	M = 17.29
L = 79.70	
C = 79.64	
E = 1.33	
M = 1.32	

NOTE: ALL EXIST. UTILITIES ARE APPROXIMATE AND SHOWN FOR INFORMATION ONLY AND ARE TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR.

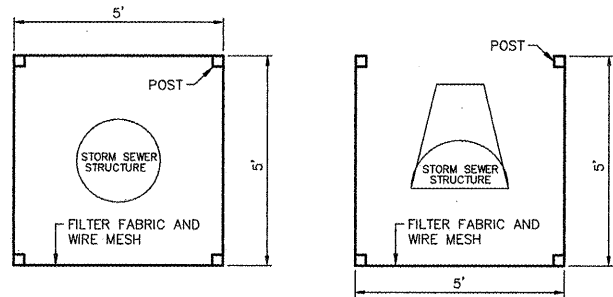
SCALES:  
 1" = 20' HOR  
 1" = 2' VER



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U.	8755	TAZEWELL	39	14

VEH. ROAD DIST. NO. 7 ALUMINUM PROJECT M-5063-112

04-0014-00-PV CONTRACT NO. 89351



NOTE: PROVIDE SILT FENCE EROSION PROTECTION AROUND STORM SEWER STRUCTURES AS SOON AS POSSIBLE AFTER STORM SEWER INSTALLATION.

**INLET AND PIPE PROTECTION**

The IEPA general permit requires a Storm Water Pollution Prevention Plan (SWPPP), to be prepared which contains a description of the site and control measures to prevent or minimize pollution of storm water runoff from construction activities.

**Construction Site**

V. Courtland St. Improvements consists of constructing 10' reinforced concrete curb, gutter, storm sewers, pavement markings and street lights, milling and resurfacing existing Courtland St. and miscellaneous removals and other incidental and collateral work as shown on the plans and written in the project specifications. This plan sheet details the planned erosion control practices and their associated details.

The project location is:

Latitude N 40-37'-41"  
Longitude W 89-29'-16"  
A. Part of the S 1/2 Section 8, T25N, R3W, 3rd PM.  
B. Courtland St. between N. Morton Avenue and Veterans Road.  
C. Village of Morton, Illinois.

The project site is 4.07 acres with the limits of earthwork survey encompassing approximately 3.00 acres. The Tazewell County soil survey lists the existing soils to be primarily Sible and Ipana, HGS Type B, Silty Clay Loam and Silty Loam. Fertility of the existing soils is generally 0.6 to 2.0 inches per hour. The estimated existing runoff coefficient is 0.25. The estimated runoff coefficient after construction is complete will remain at 0.27. In general, storm water drains Northeastly across agricultural fields.

**Owner and Responsible Party (Contractor) Information**

Owner: Village of Morton  
120 N. Main Street  
Morton, Illinois 61550  
Telephone: 309-253-5361

Responsible Party: General Contractor to be Determined at Bid Letting on June 13, 2008.

Sequence of Major Construction Activities

Construction is expected to begin in July of 2008 and end in October of 2008. The order of construction activities is as follows:

**Phase 1**

1. Install traffic control.
2. Perform necessary earthwork.
3. Construct storm sewer and appurtenances.
4. Construct curb and gutter.
5. Construct P.C.E. pavement, I.P.
6. Install street lights.

**Phase 2A**

1. Install traffic control on Veterans Road.
2. Complete earthwork.
3. Complete storm sewer work.
4. Complete hot-mix asphalt widening of Veterans Road.
5. Place and compact hot-mix asphalt binder course.
6. Place short-term pavement markings.
7. Install street lights.

**Phase 2B**

1. Install traffic control on existing W. Courtland Street.
2. Complete hot-mix asphalt removal.
3. Place and compact hot-mix asphalt surface course.
4. Place short-term pavement markings.

Complete all remaining items of work. Items include grading, top soil, seeding, hot-mix asphalt surface course and right-of-way markers, etc. After placement of the hot-mix asphalt surface course, contractor shall be responsible for protecting solid surface course, if work remains to be completed.

After establishment of 70% vegetation, the requirements of the Storm Water Pollution Prevention Plan have been satisfied.

Remove all erosion control protection, as directed by the Engineer.

The above described construction phasing plan shall be followed. If the successful bidder has an alternate sequencing plan to propose, said sequence shall be proposed at the pre-construction meeting and must be approved by the Village and the Engineer.

**Measures and Controls**

The following measures and controls to prevent or minimize pollution of storm water discharges must be followed in regards to the following three areas:

1. Erosion and Sediment Controls
2. Storm Water Management Controls
3. Other Controls

All disturbed areas must be stabilized to prevent erosion, etc. Permanent seeding of all affected areas will be performed to stabilize the soil. If at any time, construction will temporarily cease for more than 21 days, the disturbed areas must be stabilized within 14 days of the last disturbance. Areas that will be re-disturbed within 21 days do not have to be temporarily seeded.

**Temporary Stabilization** - Temporary seed shall be Wheat or Ryegrass applied at the rate of 120 lbs/acre. After seeding, the areas shall be mulched with straw at a rate of 5 tons per acre and tacked into place by a serrated disc or other engineer approved method of stabilization. Temporary seeding shall be at the contract unit price per acre and sold price shall include temporary mulching.

**Permanent Stabilization** - In areas where construction has permanently ceased, permanent stabilization shall be performed no later than 14 days after the last disturbance. The fertilization and permanent seeding shall conform to the applicable sections of the 'Standards Specifications for Road and Bridge Construction', of the State of Illinois, Latest Edition.

**2. Storm Water Management Controls**

Where construction results in an increase of storm water runoff from the existing conditions, temporary measures must be taken to slow the runoff to the existing conditions runoff rate. The following controls shall be taken to accomplish this:

**Inlet Filters** shall be used to prevent sediment from leaving the site through existing gutter inlet castings and through newly installed gutter inlet castings. They shall be inspected by the contractor weekly and after heavy rains. Any sediment buildup shall be removed from the inlet and any damage to the inlet filters shall be repaired by the contractor at his expense.

**Erosion Control Fence (Silt Fence)** - Silt Fences shall be installed as inlet and manhole protection as per the plan detail at locations shown on the plan. They shall be inspected by the contractor weekly and after heavy rains. Any sediment buildup shall be removed from the fence and any damage to the silt fence shall be repaired by the contractor at his expense.

**3. Other Controls**

The plan must insure that solid wastes are not carried by storm water runoff to waters of the state. Contractor shall strategically place solid waste receptacles (trash cans) with lids, at locations designated by the Engineer, at no additional cost. All solid waste must be properly stored and disposed of per local regulations. The contractor must comply with all Local and State laws concerning sanitary sewer or septic system regulations. Sanitary waste shall be collected from portable units by a licensed sanitary waste management contractor as required by local regulations.

Contractor shall provide a "concrete washout" area for concrete trucks, at the project site. The location shall be approved by the Owner and the Engineer. Contractor is required to ensure that none of the concrete washout materials pollute storm water discharges from the site. If a location is not available on site, the contractor may provide approved washout tubs or properly dispose of the material off-site, at a location approved by the Owner and Engineer. This item shall be considered incidental to the various concrete pay items.

Existing streets will be used for entrance and exit to the construction site. Any material that is tracked onto adjacent roads shall be removed as soon as it is practical or within four (4) hours, whichever is sooner.

Dust control shall be provided by watering or other means, as required. The expense shall be incidental to the project.

**Inspection & Maintenance**

The Engineer shall inspect the construction site at least once weekly (once every seven days) and within 24 hours of a rainfall or equivalent snowfall of 0.5" or more. The Engineer must prepare a report documenting his/her findings on the condition of the controlled and stabilized areas.

The following is a list of inspection and maintenance practices that shall be used to maintain erosion and sediment controls:

- Weekly inspections.
- Inspections within 24 hours of a 0.5" or more rainfall or equivalent snowfall.
- All erosion control measures will be maintained in good working order. If a repair is required, it shall be completed as soon as possible or no later than 7 days after inspection.
- Inspections will include all disturbed areas of the site, areas for material storage, locations where vehicles enter/exit the site, and all erosion controls.
- Built up sediment will be removed from silt fences when it has reached 1/3 the height of the fence.
- Silt fences will be inspected for depth of sediment, tightness, and stability so that the posts and holes (or fabric) are firmly in the ground.
- Temporary and permanent seeding or sodding and planting will be inspected for bare spots, weeds, and healthy growth.
- A maintenance inspection report will be made after each inspection and record all damages or deficiencies.
- The owner will delegate responsibilities for maintenance to the Contractor so that erosion and sediment controls used on site are in good working order.

**Records of Construction Activities**

It is important to keep accurate and detailed records of all phases of construction including those after the construction of the infrastructure for the project. These records will be extremely valuable in determining which entity is liable should a release occur or a violation notice be received by the EPA. All correspondence between the owner and permit signatories should be properly dated and kept on file for future reference.

If a storm water release occurs that is in violation of the general permit, it is the responsibility of the Contractor or other permit signatory to notify the Developer/Owner and to file out an "Incidence of Noncompliance" (IN) and file it with IEPA. The IN should be filed within 5 days of the incidence and completed on forms provided by the agency. A copy of this form is available from the Engineer. Consult the Clean Water Act for a definition of violations.

The following should be recorded at a minimum:

- Dates when major grading activities occur in a particular part of the site.
- Dates when construction activities cease in an area, temporarily and/or permanently.
- Dates when seeding or sodding is performed temporarily and/or permanently.

This SWPPP plan must be updated or changed, by the Engineer, as needed to accurately reflect the site features and operations. Contact Austin Engineering Company, Inc. as needed.

The IEPA has issued regulations that define reportable quantity (RQ) levels for oil and hazardous substances. If there is an RQ release during the construction period, the following steps must be taken:

1. Notify the National Response Center immediately at 800-424-8802.
2. Within 14 days, submit a written description of the release to the IEPA regional office providing the date and circumstances of the release and steps to be taken to prevent another release.
3. Modify the pollution prevention plan to include the above information.

This plan must be kept on site (construction trailer or superintendent vehicle) from the beginning of construction until the site is finally stabilized. The plan and records must be kept for 3 years after the completion of the final site stabilization. The plans and associated records must be made available upon request to the IEPA representative, any state and local agency personnel or any other citizen.

**Termination**

Operators of a construction site must continue to comply with permit conditions until:

1. They no longer meet the definition of an operator of a construction site, or
2. The construction activity is complete, all disturbed areas have been stabilized, and temporary erosion and sediment controls have been or will be removed.

Final stabilization is defined by the IEPA General Permit to mean that all soil disturbing activities at the site have been completed, and that a uniform perennial vegetation cover with a density of 70% has been established for unpaved areas not covered by permanent structures or the equivalent permanent stabilization measures (such as use of rip rap, detention ponds, geo-textiles, etc.) have been employed.

**Signatures & Certification of Plan**

The following persons acknowledge that they have read and understand the pollution prevention plan and associated plan drawings and details and agree to abide by the measures set forth in said plan, drawings, and details.

The undersigned Contractor hereby certifies under penalty of law, that its officers, agents and employees have read and understand the terms and conditions of the General National Pollutant Discharge Elimination System (NPDES) permits ILR 10 and ILR 40 that authorize the storm water discharges associated with industrial activity from the construction site covered by this contract, as well as the terms and conditions of the IEPA Stormwater Management Plan prepared by Austin Engineering Company, Inc. in connection therewith. Contractor hereby agrees to identify and save harmless the Owner and the Engineer, its members, manager and the officers, directors, shareholders, employees and agents of the members and manager from and against any and all violations of the NPDES, ILR 10 and ILR 40 and the said Stormwater Management Plan committed by Contractor or Contractor's agents, employees, officers, directors, shareholders, suppliers and subcontractors. Contractor agrees to oversee all work on the site and in particular materials Contractor agrees to oversee all work on the site and in particular agrees to monitor compliance with the NPDES, ILR 10 and ILR 40 and Stormwater Management Plan by all persons or entities performing work on the site by, through or under contractor. This indemnity shall include but not be limited to fines, penalties, interest, court costs and attorney fees, including trial or appellate fees, incurred by the Owner or Engineer as a result of any such violations.

All signatories listed below that will prepare any reports required by this plan or the general permit certify to the following statement:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

**Robert Wright**  
Print Name: \_\_\_\_\_  
Title: Village of Morton

\_\_\_\_\_  
Print Name: \_\_\_\_\_  
Title: Contractor

Date: \_\_\_\_\_

**Release of Responsibility for General Contractor**

The signatories below acknowledge that they have both mutually agreed that an inspection of the construction site has resulted in termination of responsibility for the General Contractor to comply with the general held by the Owner as of the date listed below.

\_\_\_\_\_  
Print Name: \_\_\_\_\_  
Title: Owner - Village of Morton

\_\_\_\_\_  
Print Name: \_\_\_\_\_  
Title: Contractor

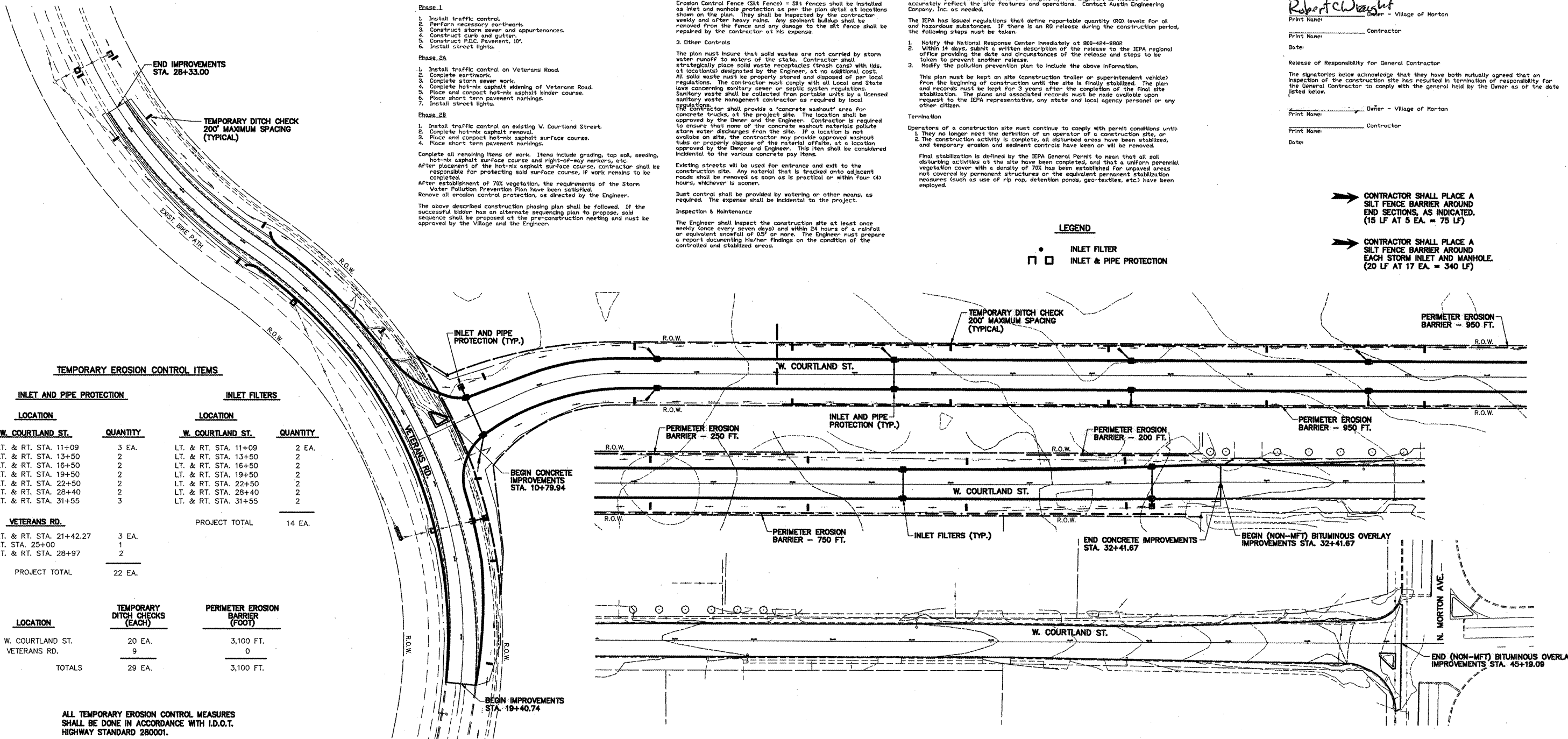
Date: \_\_\_\_\_

**CONTRACTOR SHALL PLACE A SILT FENCE BARRIER AROUND END SECTIONS, AS INDICATED. (15 LF AT 5 EA. = 75 LF)**

**CONTRACTOR SHALL PLACE A SILT FENCE BARRIER AROUND EACH STORM INLET AND MANHOLE. (20 LF AT 17 EA. = 340 LF)**

**LEGEND**

- INLET FILTER
- INLET & PIPE PROTECTION



**TEMPORARY EROSION CONTROL ITEMS**

INLET AND PIPE PROTECTION		INLET FILTERS	
LOCATION	QUANTITY	LOCATION	QUANTITY
W. COURTLAND ST.		W. COURTLAND ST.	
LT. & RT. STA. 11+09	3 EA.	LT. & RT. STA. 11+09	2 EA.
LT. & RT. STA. 13+50	2	LT. & RT. STA. 13+50	2
LT. & RT. STA. 16+50	2	LT. & RT. STA. 16+50	2
LT. & RT. STA. 19+50	2	LT. & RT. STA. 19+50	2
LT. & RT. STA. 22+50	2	LT. & RT. STA. 22+50	2
LT. & RT. STA. 28+40	2	LT. & RT. STA. 28+40	2
LT. & RT. STA. 31+55	3	LT. & RT. STA. 31+55	2
<b>VETERANS RD.</b>		<b>PROJECT TOTAL</b>	
LT. & RT. STA. 21+42.27	3 EA.		14 EA.
LT. STA. 25+00	1		
LT. & RT. STA. 28+97	2		
<b>PROJECT TOTAL</b>	<b>22 EA.</b>		

LOCATION	TEMPORARY DITCH CHECKS (EACH)	PERIMETER EROSION BARRIER (FOOT)
W. COURTLAND ST.	20 EA.	3,100 FT.
VETERANS RD.	9	0
<b>TOTALS</b>	<b>29 EA.</b>	<b>3,100 FT.</b>

ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE DONE IN ACCORDANCE WITH I.D.O.T. HIGHWAY STANDARD 280001.

STORM WATER POLLUTION PREVENTION PLAN  
W. COURTLAND ST. IMPROVEMENTS

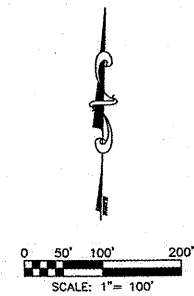
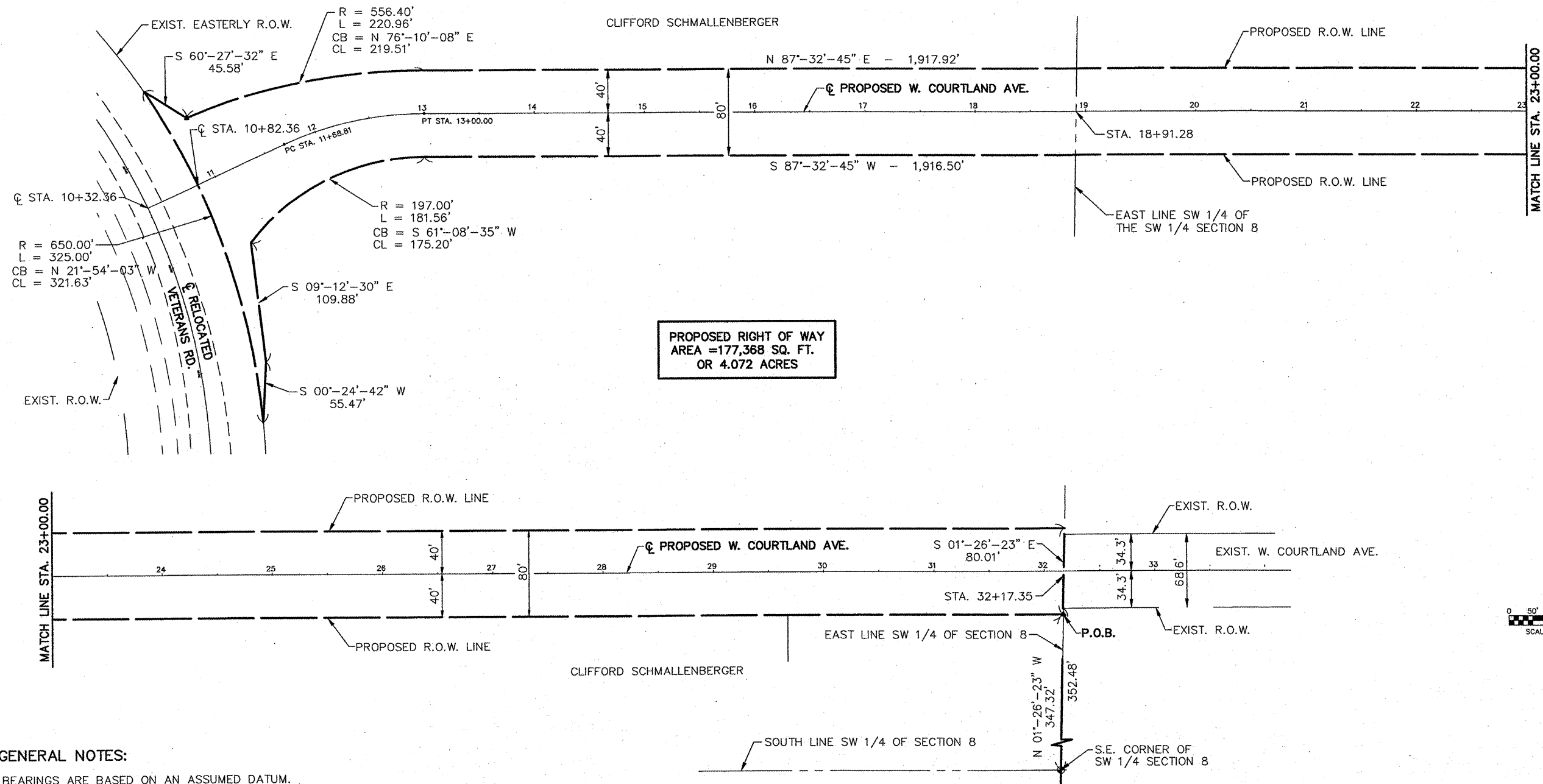
AUSTIN ENGINEERING CO., INC.  
CIVIL ENGINEERS  
LICENSE No. 184-001143 ILLINOIS

FOR: VILLAGE OF MORTON

DATE: 3/21/08 SCALE: 1" = 60' BOOK: \_\_\_\_\_

REVISED: \_\_\_\_\_ PROJECT NUMBER: \_\_\_\_\_ SHEET NO. 14 OF 39

J.U.L.I.E. 1-800-892-0123



**GENERAL NOTES:**

BEARINGS ARE BASED ON AN ASSUMED DATUM.  
 RIGHT OF WAY BEING TAKEN IS PART OF P.I.N.  
 06-06-08-300-001.

**SURVEYOR'S CERTIFICATE**

WE, THE AUSTIN ENGINEERING CO., INC., CIVIL ENGINEERS AND LAND SURVEYORS, DO HEREBY CERTIFY THAT WE HAVE SURVEYED A PART OF THE SOUTHWEST QUARTER OF SECTION 8, TOWNSHIP 25 NORTH, RANGE 3 WEST OF THE THIRD PRINCIPAL MERIDIAN AND THAT THE ABOVE PLAT IS A TRUE AND CORRECT REPRESENTATION OF SAID SURVEY.

DATED AT PEORIA, ILLINOIS THIS 15TH DAY OF APRIL, 2004.

AUSTIN ENGINEERING CO., INC.

BY: *Jeffrey E. Franklin*  
 JEFFREY E. FRANKLIN  
 ILLINOIS PROFESSIONAL LAND SURVEYOR No. 3230



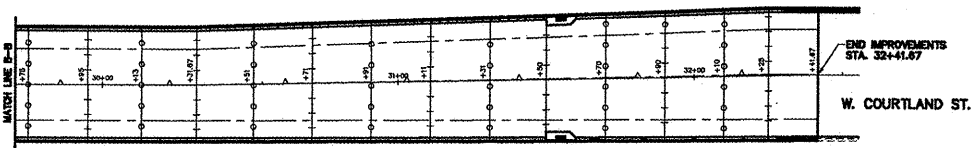
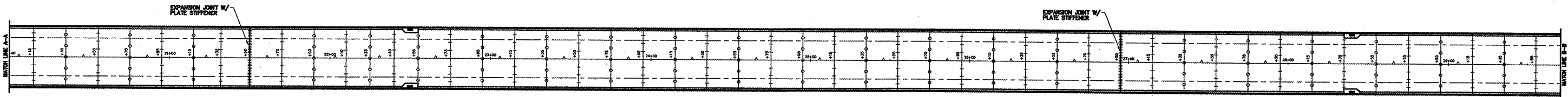
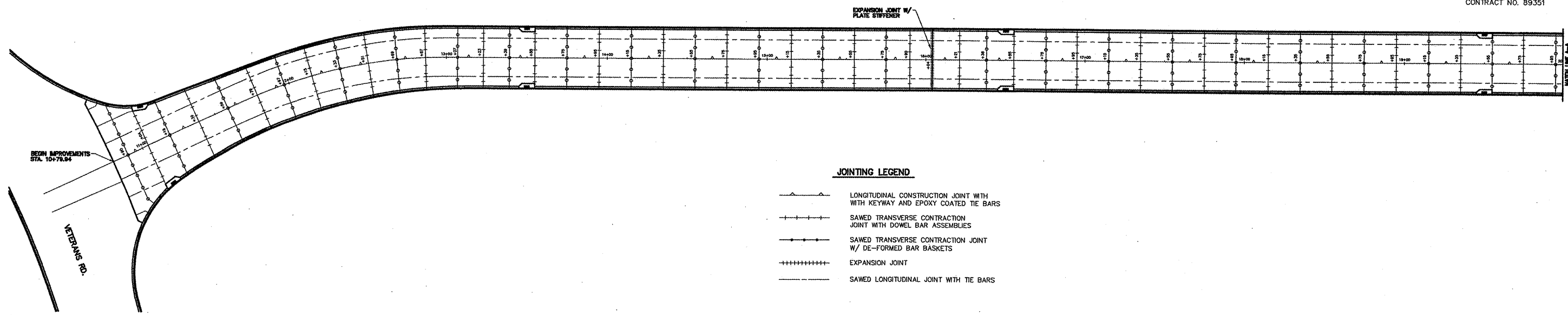
LICENSE EXPIRES NOVEMBER 30, 2004

A PART OF THE SOUTHWEST QUARTER OF SECTION 8, TOWNSHIP 25 NORTH, RANGE 3 WEST OF THE THIRD PRINCIPAL MERIDIAN

SECTION 8, TOWNSHIP 25 N, RANGE 3 W, 3RD, PRINCIPAL MERIDIAN

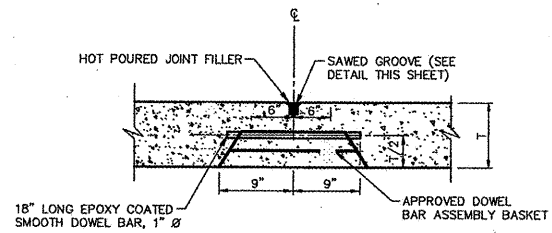
TAZEWELL COUNTY

**RIGHT OF WAY DEDICATION PLAT TO THE VILLAGE OF MORTON**

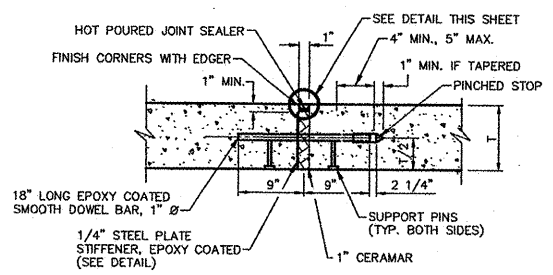


**JOINTING LEGEND**

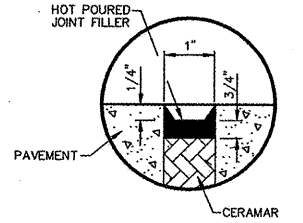
- ▲— LONGITUDINAL CONSTRUCTION JOINT WITH KEYWAY AND EPOXY COATED TIE BARS
- +—+—+— SAWED TRANSVERSE CONTRACTION JOINT WITH DOWEL BAR ASSEMBLIES
- SAWED TRANSVERSE CONTRACTION JOINT W/ DE-FORMED BAR BASKETS
- ++++— EXPANSION JOINT
- - - - SAWED LONGITUDINAL JOINT WITH TIE BARS



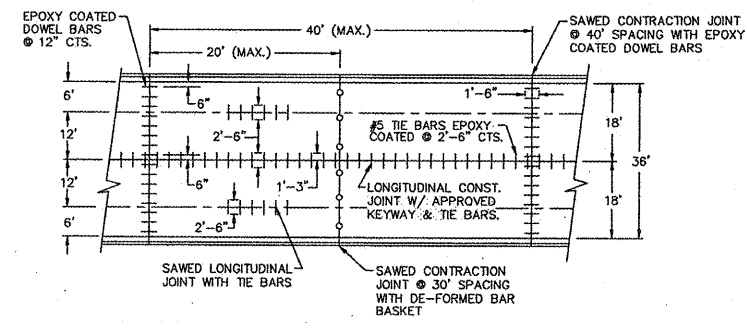
**DETAIL OF SAWED TRANSVERSE CONTRACTION JOINT WITH APPROVED DOWEL BAR ASSEMBLY**



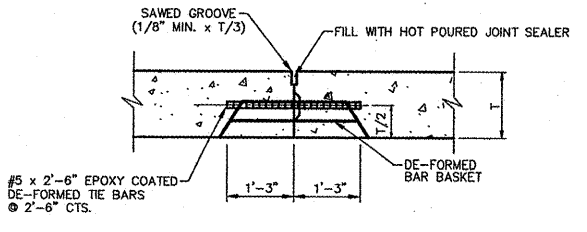
**DETAIL OF EXPANSION JOINT**



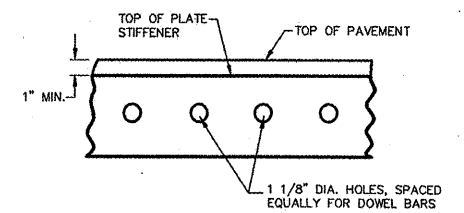
**EXPANSION JOINT SEALING DETAIL**



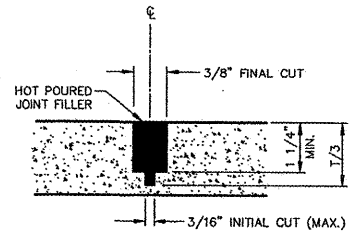
**PLAN OF PAVEMENT**



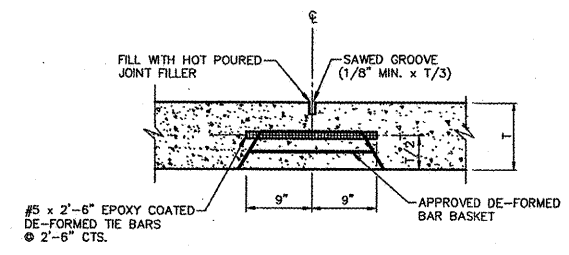
**DETAIL OF LONGITUDINAL JOINT WITH KEYWAY AND EPOXY COATED TIE BARS (IF POURED IN ONE PIECE, OMIT KEYWAY AND PLACE DE-FORMED BAR BASKET)**



**1/4\"/>**

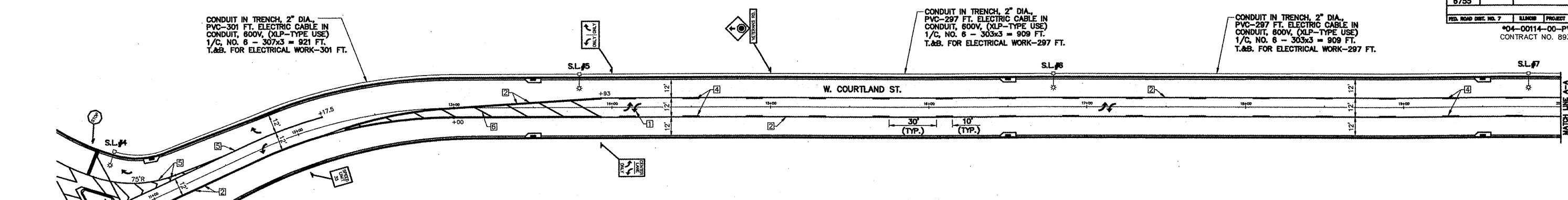


**SAWED GROOVE DETAIL**



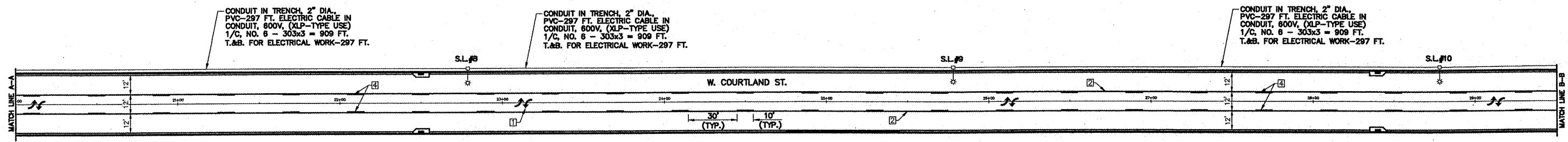
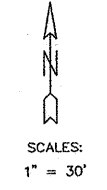
**DETAIL OF SAWED TRANSVERSE CONTRACTION JOINT WITH APPROVED DE-FORMED BAR BASKET**





**PAVEMENT MARKING LEGEND & QUANTITIES - W. COURTLAND ST.**  
STA. 10+79.94 TO STA. 32+41.67

1	POLYUREA PAVEMENT MARKING, TYPE 1 - LETTERS AND SYMBOLS, WHITE	280.80 S.F.
2	POLYUREA PAVEMENT MARKING, TYPE 1 - LINE 4" - SOLID YELLOW	4,648 FT.
3	POLYUREA PAVEMENT MARKING, TYPE 1 - LINE 4" - SOLID WHITE	-
4	POLYUREA PAVEMENT MARKING, TYPE 1 - LINE 4" - SKIP DASH YELLOW	920 FT.
5	POLYUREA PAVEMENT MARKING, TYPE 1 - LINE 8" - SOLID WHITE	256 FT.
6	POLYUREA PAVEMENT MARKING, TYPE 1 - LINE 12" - SOLID YELLOW	87 FT.
7	POLYUREA PAVEMENT MARKING, TYPE 1 - LINE 24" - SOLID WHITE	-

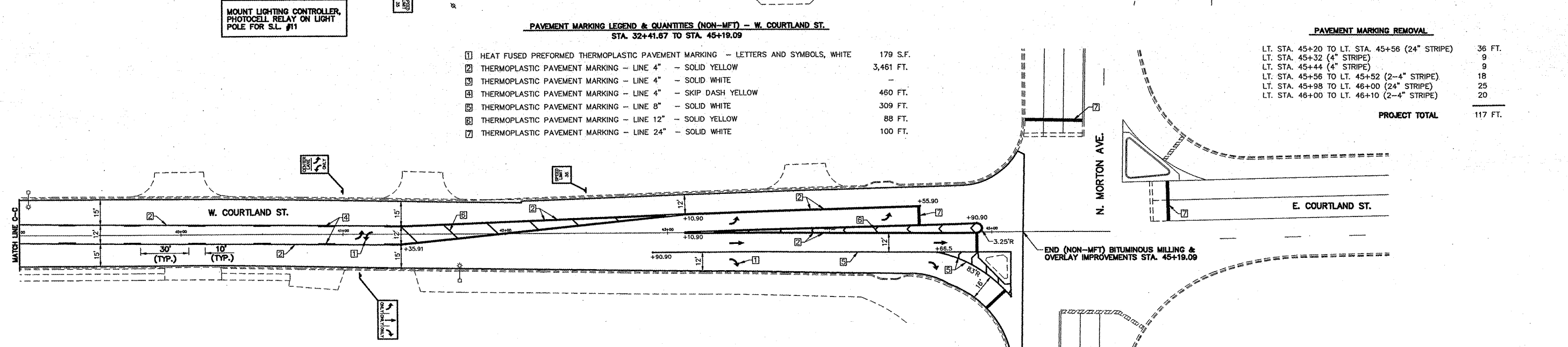
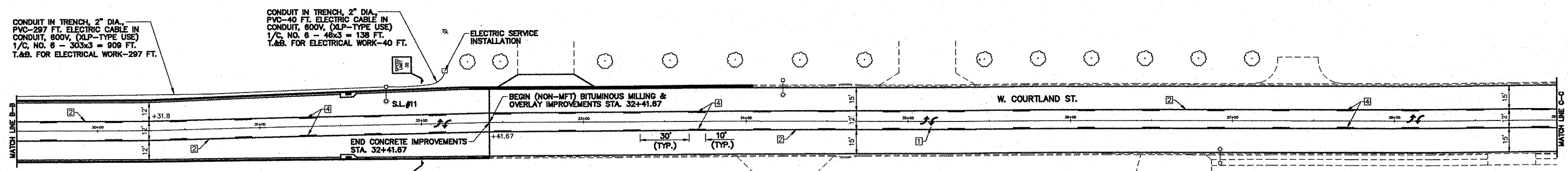


**PAVEMENT MARKING LEGEND & QUANTITIES (NON-MFT) - W. COURTLAND ST.**  
STA. 32+41.67 TO STA. 45+19.09

1	HEAT FUSED PREFORMED THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS, WHITE	179 S.F.
2	THERMOPLASTIC PAVEMENT MARKING - LINE 4" - SOLID YELLOW	3,461 FT.
3	THERMOPLASTIC PAVEMENT MARKING - LINE 4" - SOLID WHITE	-
4	THERMOPLASTIC PAVEMENT MARKING - LINE 4" - SKIP DASH YELLOW	460 FT.
5	THERMOPLASTIC PAVEMENT MARKING - LINE 8" - SOLID WHITE	309 FT.
6	THERMOPLASTIC PAVEMENT MARKING - LINE 12" - SOLID YELLOW	88 FT.
7	THERMOPLASTIC PAVEMENT MARKING - LINE 24" - SOLID WHITE	100 FT.

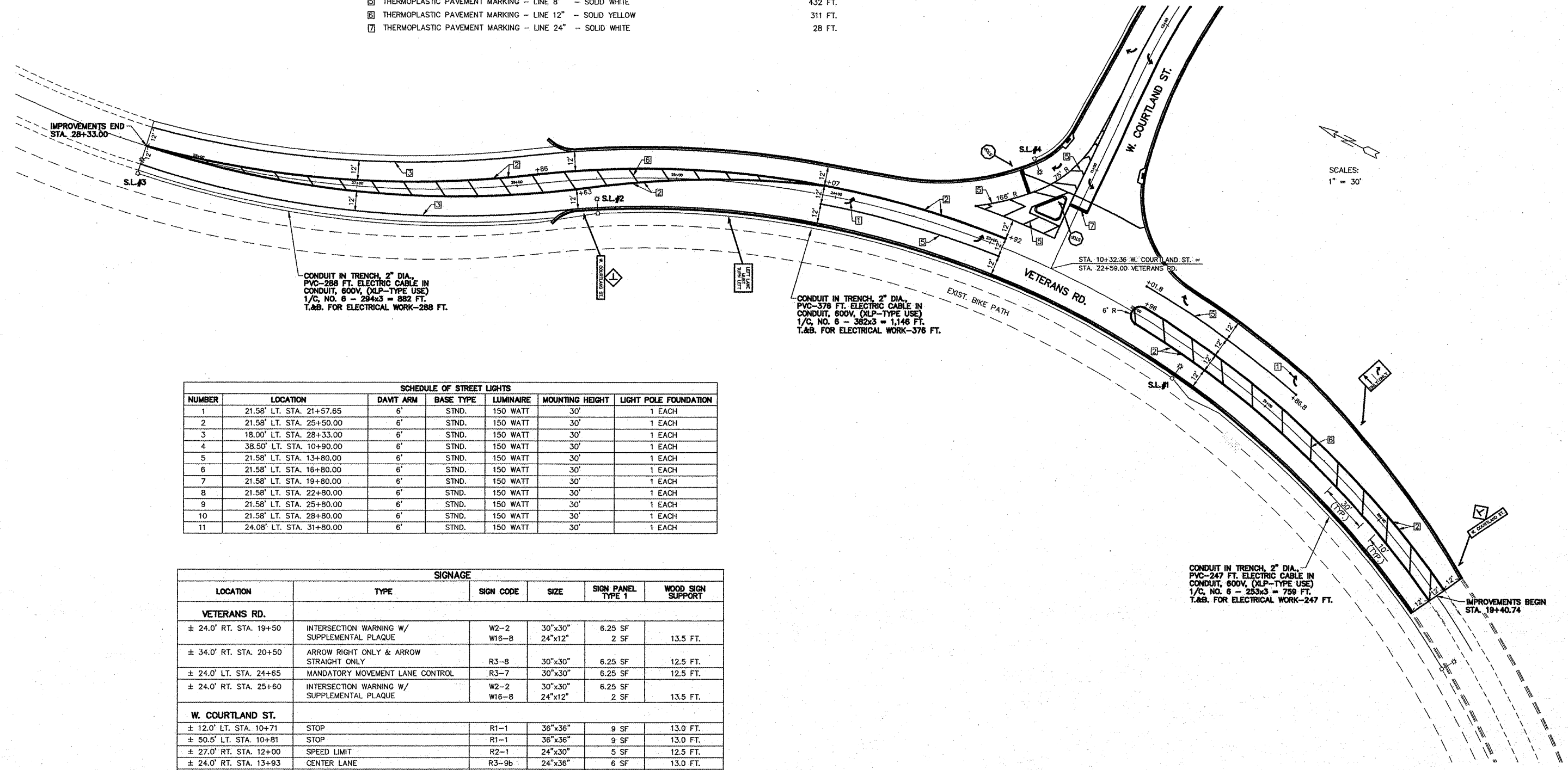
**PAVEMENT MARKING REMOVAL**

LT. STA. 45+20 TO LT. STA. 45+56 (24" STRIPE)	36 FT.
LT. STA. 45+32 (4" STRIPE)	9
LT. STA. 45+44 (4" STRIPE)	9
LT. STA. 45+56 TO LT. 45+52 (2-4" STRIPE)	18
LT. STA. 45+98 TO LT. 46+00 (24" STRIPE)	25
LT. STA. 46+00 TO LT. 46+10 (2-4" STRIPE)	20
<b>PROJECT TOTAL</b>	<b>117 FT.</b>



**PAVEMENT MARKING LEGEND & QUANTITIES - VETERANS RD.**  
STA. 19+40.74 TO STA. 28+33.00

- |   |  |           |
|---|--|-----------|
| 1 | HEAT FUSED PREFORMED THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS, WHITE | 62.4 S.F. |
| 2 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" - SOLID YELLOW                          | 2,980 FT. |
| 3 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" - SOLID WHITE                           | 540 FT.   |
| 4 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" - SKIP DASH YELLOW                      | 0 FT.     |
| 5 | THERMOPLASTIC PAVEMENT MARKING - LINE 8" - SOLID WHITE                           | 432 FT.   |
| 6 | THERMOPLASTIC PAVEMENT MARKING - LINE 12" - SOLID YELLOW                         | 311 FT.   |
| 7 | THERMOPLASTIC PAVEMENT MARKING - LINE 24" - SOLID WHITE                          | 28 FT.    |

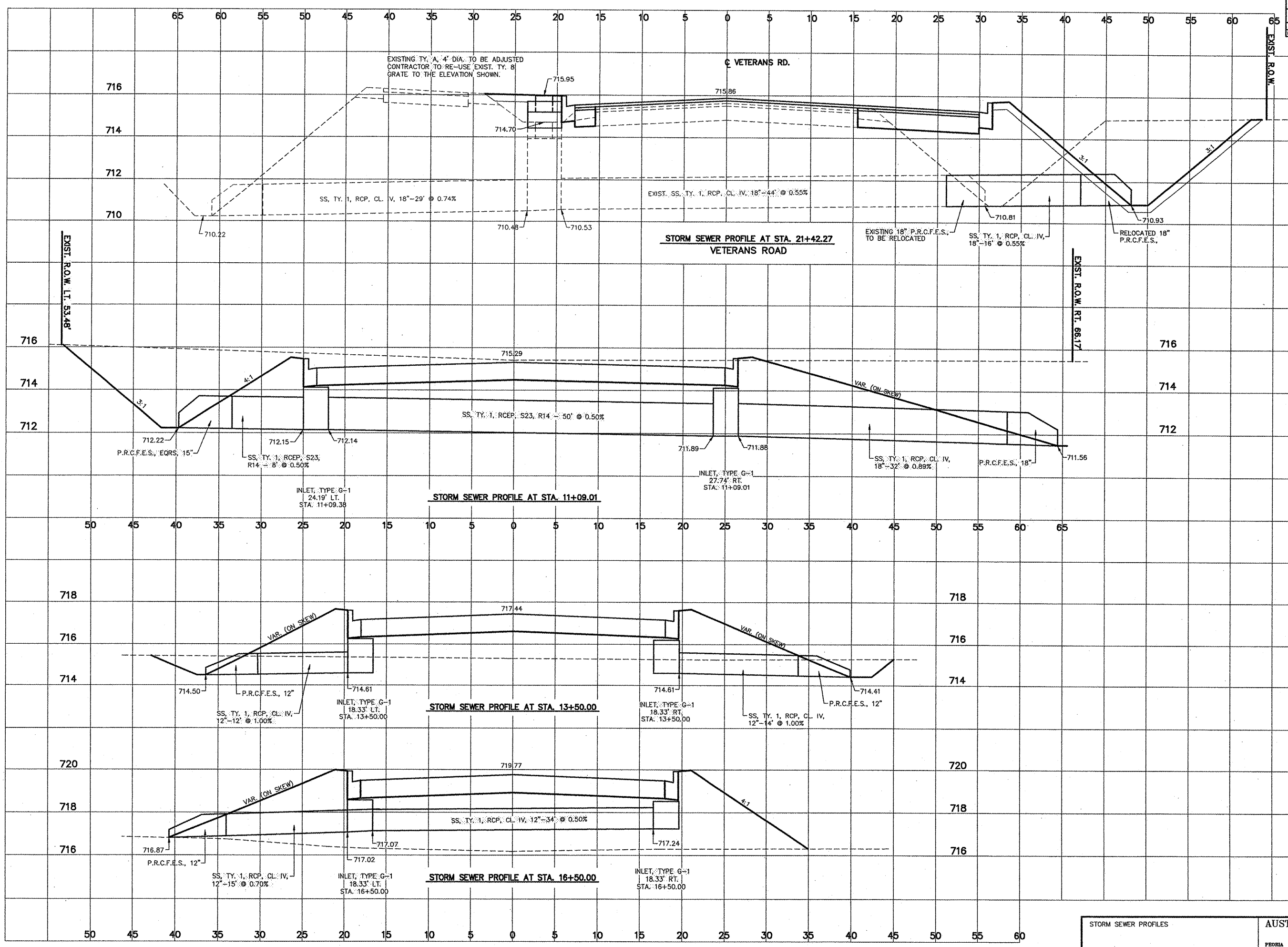


SCHEDULE OF STREET LIGHTS						
NUMBER	LOCATION	DAVIT ARM	BASE TYPE	LUMINAIRE	MOUNTING HEIGHT	LIGHT POLE FOUNDATION
1	21.58' LT. STA. 21+57.65	6'	STND.	150 WATT	30'	1 EACH
2	21.58' LT. STA. 25+50.00	6'	STND.	150 WATT	30'	1 EACH
3	18.00' LT. STA. 28+33.00	6'	STND.	150 WATT	30'	1 EACH
4	38.50' LT. STA. 10+90.00	6'	STND.	150 WATT	30'	1 EACH
5	21.58' LT. STA. 13+80.00	6'	STND.	150 WATT	30'	1 EACH
6	21.58' LT. STA. 16+80.00	6'	STND.	150 WATT	30'	1 EACH
7	21.58' LT. STA. 19+80.00	6'	STND.	150 WATT	30'	1 EACH
8	21.58' LT. STA. 22+80.00	6'	STND.	150 WATT	30'	1 EACH
9	21.58' LT. STA. 25+80.00	6'	STND.	150 WATT	30'	1 EACH
10	21.58' LT. STA. 28+80.00	6'	STND.	150 WATT	30'	1 EACH
11	24.08' LT. STA. 31+80.00	6'	STND.	150 WATT	30'	1 EACH

SIGNAGE					
LOCATION	TYPE	SIGN CODE	SIZE	SIGN PANEL TYPE 1	WOOD SIGN SUPPORT
<b>VETERANS RD.</b>					
± 24.0' RT. STA. 19+50	INTERSECTION WARNING W/ SUPPLEMENTAL PLAQUE	W2-2 W16-8	30"x30" 24"x12"	6.25 SF 2 SF	13.5 FT.
± 34.0' RT. STA. 20+50	ARROW RIGHT ONLY & ARROW STRAIGHT ONLY	R3-8	30"x30"	6.25 SF	12.5 FT.
± 24.0' LT. STA. 24+65	MANDATORY MOVEMENT LANE CONTROL	R3-7	30"x30"	6.25 SF	12.5 FT.
± 24.0' RT. STA. 25+80	INTERSECTION WARNING W/ SUPPLEMENTAL PLAQUE	W2-2 W16-8	30"x30" 24"x12"	6.25 SF 2 SF	13.5 FT.
<b>W. COURTLAND ST.</b>					
± 12.0' LT. STA. 10+71	STOP	R1-1	36"x36"	9 SF	13.0 FT.
± 50.5' LT. STA. 10+81	STOP	R1-1	36"x36"	9 SF	13.0 FT.
± 27.0' RT. STA. 12+00	SPEED LIMIT	R2-1	24"x30"	5 SF	12.5 FT.
± 24.0' RT. STA. 13+93	CENTER LANE	R3-9b	24"x36"	6 SF	13.0 FT.
± 24.0' LT. STA. 14+00	ARROW RIGHT ONLY & ARROW LEFT ONLY	R3-8	30"x30"	6.25 SF	12.5 FT.
± 24.0' LT. STA. 15+00	STOP SIGN AHEAD W/ SUPPLEMENTAL PLAQUE	W3-1a W16-8	36"x36" 24"x12"	9 SF 2 SF	14.0 FT.
± 27.5' LT. STA. 32+00	SPEED LIMIT	R2-1	24"x30"	5 SF	12.5 FT.
± 24.8' RT. STA. 32+00	SPEED LIMIT	R2-1	24"x30"	5 SF	12.5 FT.
± 27.0' LT. STA. 41+00	CENTER LANE	R3-9b	24"x36"	6 SF	13.0 FT.
± 25.0' RT. STA. 41+10	ARROW RIGHT ONLY, ARROW STRAIGHT ONLY & ARROW LEFT ONLY	R3-8b	36"x30"	7.50 SF	12.5 FT.
± 27.0' LT. STA. 42+50	SPEED LIMIT	R2-1	24"x30"	5 SF	12.5 FT.
<b>PROJECT TOTALS</b>				<b>103.75 SF</b>	<b>193.0 FT.</b>

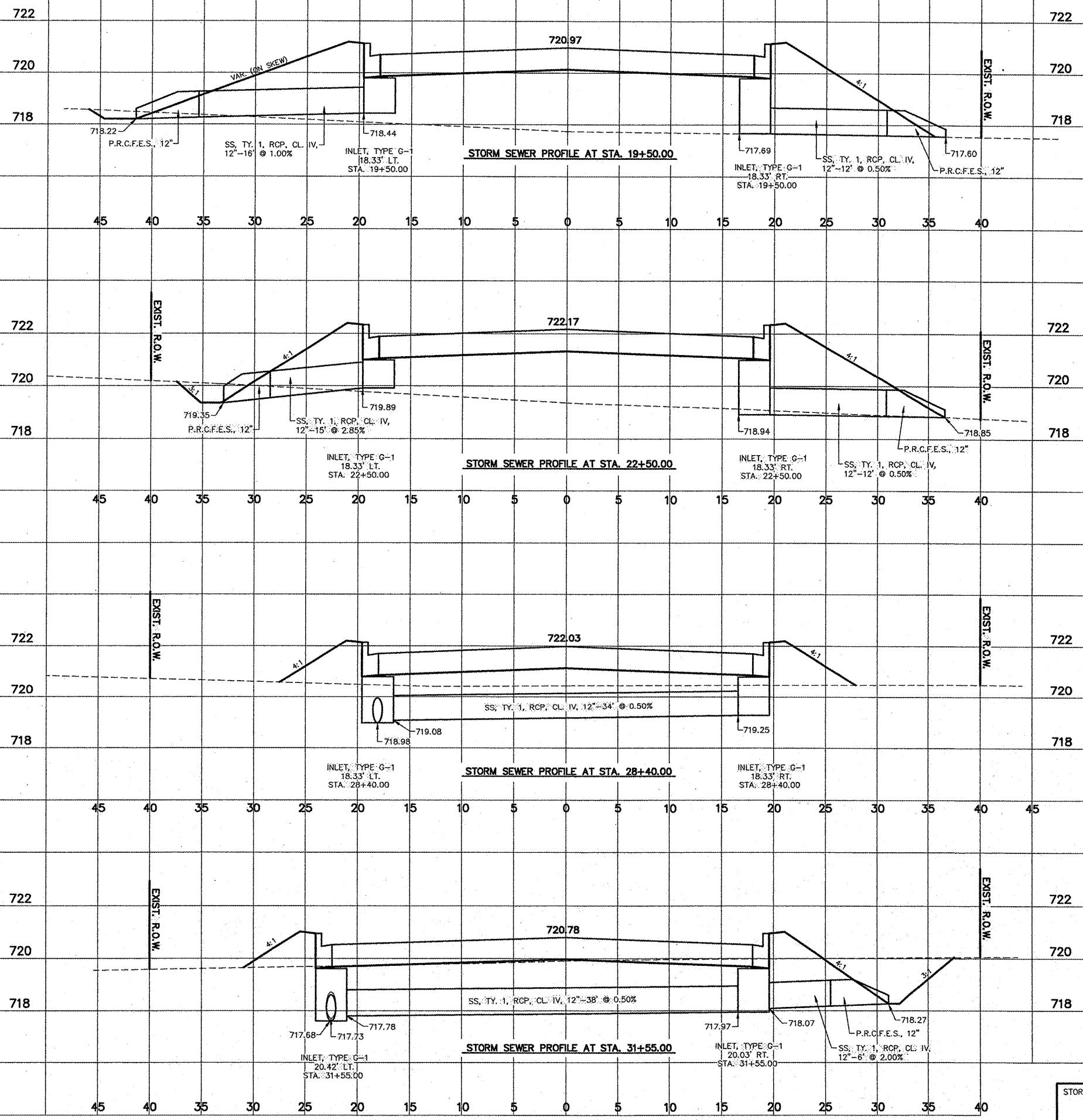
ROUTE NO.	DISTRICT	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 8755	*	TAZEWELL	39	19
FED. ROAD DIST. NO. 7		BLDG. PROJECT	M-5083-112	

\*04-00114-00-PV  
CONTRACT NO. 89351



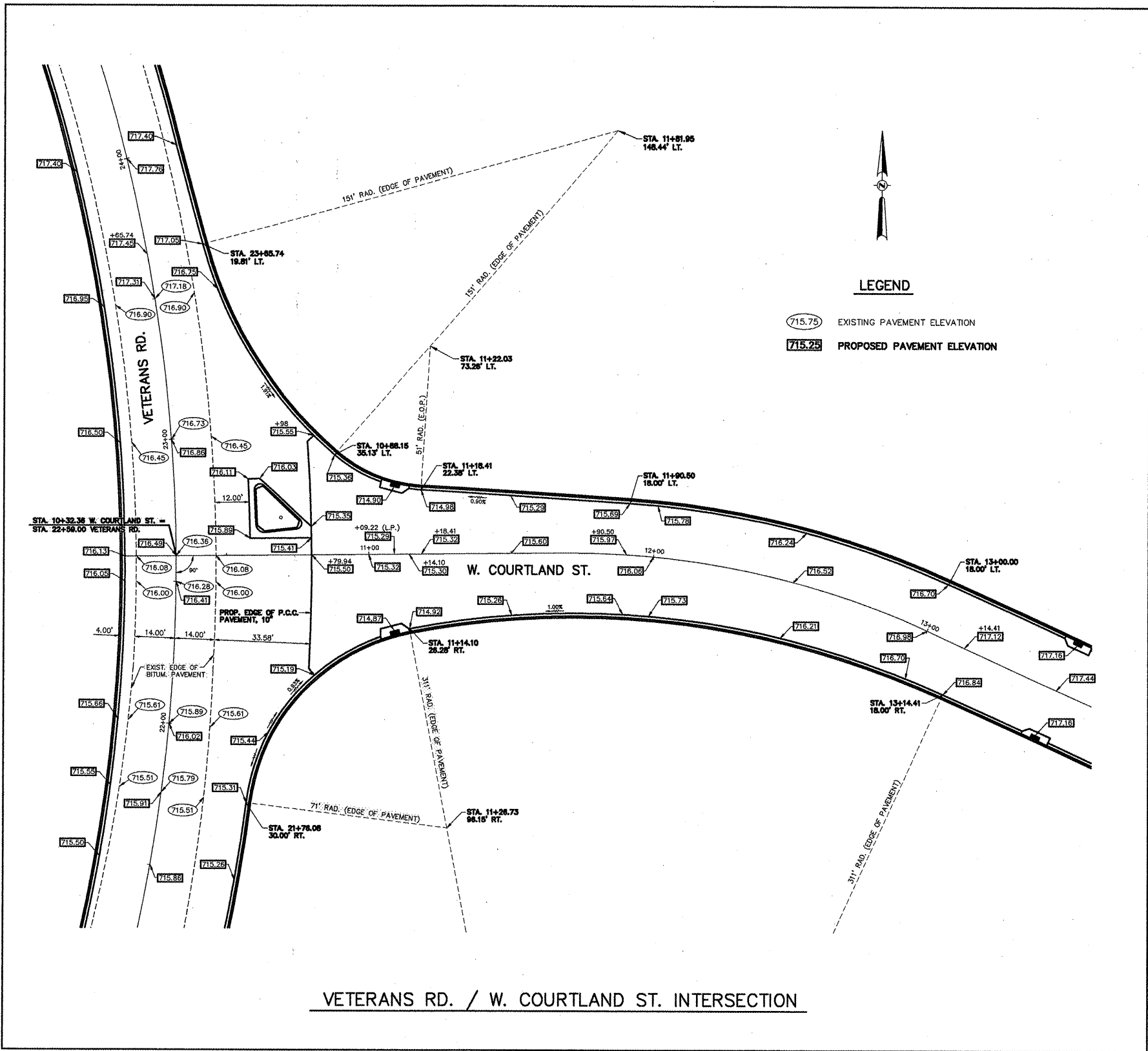
SCALE  
1" = 5' HORIZ.  
1" = 2' VERT.

STORM SEWER PROFILES		AUSTIN ENGINEERING CO., INC.	
		CIVIL ENGINEERS	
FOR: VILLAGE OF MORTON, IL	DATE: 3/21/08	SCALE: AS SHOWN	BOOK: 19 OF 39

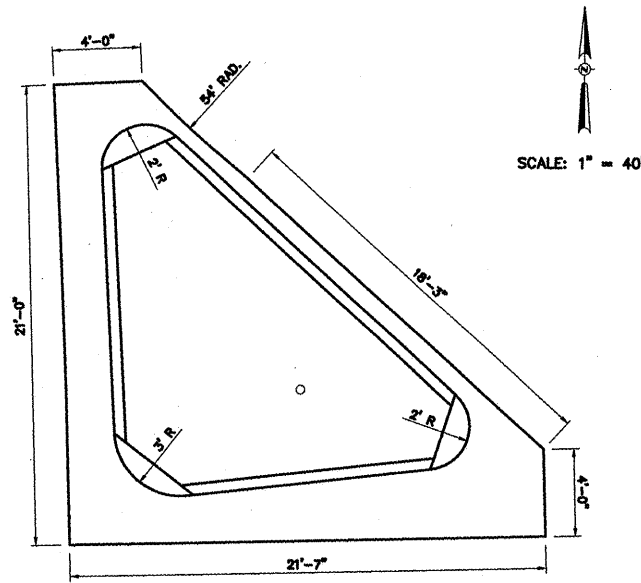


SCALE  
1" = 5' HORIZ.  
1" = 2' VERT.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET
F.A.U. 6755	*	TAZEWELL	39	21
FED. ROAD DIST. NO. 7				
*04-00114-00-PV				
CONTRACT NO. 89351				



VETERANS RD. / W. COURTLAND ST. INTERSECTION

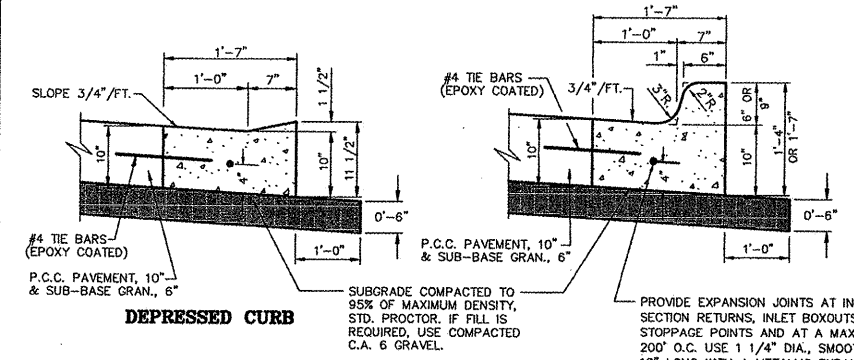


INTERSECTION ISLAND DETAIL  
VETERANS RD. / W. COURTLAND AVE.  
(ENGINEER TO DETERMINE STOP SIGN LOCATION)

INTERSECTION DETAILS W. COURTLAND ST.		AUSTIN ENGINEERING CO., INC. CIVIL ENGINEERS		
FOR: VILLAGE OF MORTON		PROBIA	LICENSE No. 184-001143	ILLINOIS
DATE 3/21/08	SCALE 1" = 20'	BOOK	REVISED	SHEET NO. 21 OF 39

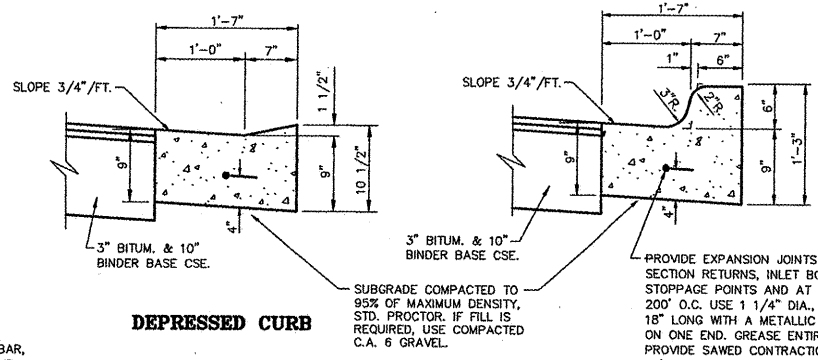
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET
F.A.U. 6755	*	TAZEWELL	39	22
FDL ROAD DES. NO. 7		ILLINOIS PROJECT	M-5083-112	

04-00114-00-PV  
CONTRACT NO. 89351

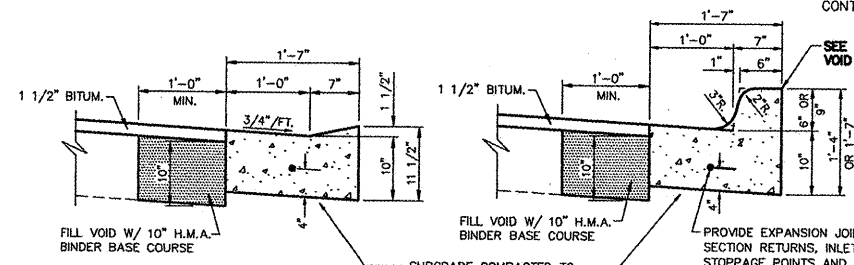


**DEPRESSED CURB**

MONOLITHIC CURB WILL NOT BE ALLOWED WITHOUT VILLAGE APPROVAL.

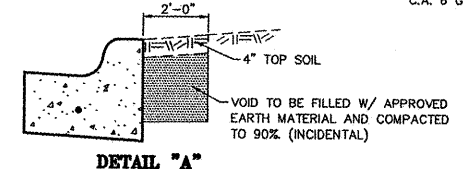


**DEPRESSED CURB**



**DEPRESSED CURB**

SEE DETAIL "A" FOR FILLING VOID BEHIND CURB & GUTTER.



**DETAIL "A"**

**GENERAL NOTES :**

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OF THE STATE OF ILLINOIS, LATEST EDITION.
- FOR CURB & GUTTER ADJACENT TO CONCRETE PAVEMENT, PROVIDE NO. 4 TIE BARS AT 30" O.C., 30" LONG.
- SEE SPECIAL PROVISION FOR PORTLAND CEMENT CONCRETE.
- TOP OF CURB TO BE BRANDED WITH EITHER "S", "W" OR "D" AT LOCATIONS OF SEWER, WATER & SUMP DRAIN CROSSINGS. (INCIDENTAL).
- ANY CONCRETE THAT SPILLS OUT FROM UNDER MULE OR FORM, ON STREET SIDE, SHALL BE REMOVED, PRIOR TO PLACING NEW BASE MATERIAL OR NEW PAVEMENT.
- CURING COMPOUND SHALL BE APPLIED TO FRONT, BACK, TOP, FACE, AND PAN OF COMBINATION CONCRETE CURB AND GUTTER, AS SOON AS CONCRETE SURFACE HAS A "DRY TO THE TOUCH" CONDITION.
- ALL RE-BARS, TIE BARS, ETC., SHALL BE EPOXY COATED.
- EXPANSION JOINT MATERIAL SHALL BE CELLU-CUSHION EXP 200, AS MANUFACTURED BY SEALED AIR CORPORATION, OR APPROVED EQUAL.

**GENERAL NOTES :**

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OF THE STATE OF ILLINOIS, LATEST EDITION.
- FOR CURB & GUTTER ADJACENT TO CONCRETE PAVEMENT, PROVIDE NO. 4 TIE BARS AT 30" O.C., 30" LONG.
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- TOP OF CURB TO BE BRANDED WITH EITHER "S" OR "W" AT LOCATIONS OF SEWER AND WATER CROSSINGS. (INCIDENTAL).
- ANY CONCRETE THAT SPILLS OUT FROM UNDER MULE OR FORM, ON STREET SIDE, SHALL BE REMOVED, PRIOR TO PLACING NEW BASE MATERIAL OR NEW PAVEMENT.
- CURING COMPOUND SHALL BE APPLIED TO FRONT, BACK, TOP, FACE, AND PAN OF COMBINATION CONCRETE CURB AND GUTTER, AS SOON AS CONCRETE SURFACE HAS A "DRY TO THE TOUCH" CONDITION.
- ALL RE-BARS, TIE BARS, ETC., SHALL BE EPOXY COATED.
- EXPANSION JOINT MATERIAL SHALL BE CELLU-CUSHION EXP 200, AS MANUFACTURED BY SEALED AIR CORPORATION, OR APPROVED EQUAL.

**GENERAL NOTES :**

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OF THE STATE OF ILLINOIS, LATEST EDITION.
- FOR CURB & GUTTER ADJACENT TO CONCRETE PAVEMENT, PROVIDE NO. 4 TIE BARS AT 30" O.C., 30" LONG.
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- TOP OF CURB TO BE BRANDED WITH EITHER "S", "W" OR "D" AT LOCATIONS OF SEWER, WATER & SUMP DRAIN CROSSINGS. (INCIDENTAL).
- ANY CONCRETE THAT SPILLS OUT FROM UNDER MULE OR FORM, ON STREET SIDE, SHALL BE REMOVED, PRIOR TO PLACING NEW BASE MATERIAL OR NEW PAVEMENT.
- CURING COMPOUND SHALL BE APPLIED TO FRONT, BACK, TOP, FACE, AND PAN OF COMBINATION CONCRETE CURB AND GUTTER, AS SOON AS CONCRETE SURFACE HAS A "DRY TO THE TOUCH" CONDITION.
- ALL RE-BARS, TIE BARS, ETC., SHALL BE EPOXY COATED.
- EXPANSION JOINT MATERIAL SHALL BE CELLU-CUSHION EXP 200, AS MANUFACTURED BY SEALED AIR CORPORATION, OR APPROVED EQUAL.

**COMBINATION CONCRETE CURB AND GUTTER**

**VILLAGE STANDARD TY. B-9.12**

(LT. STA. 10+79.74 TO LT. STA. 32+41.67)  
(RT. STA. 10+79.74 TO RT. STA. 32+41.67)

**COMBINATION CONCRETE CURB AND GUTTER**

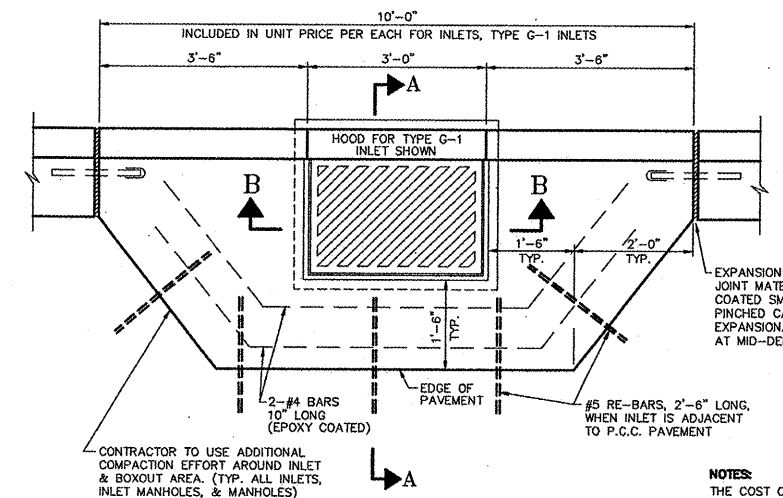
**VILLAGE STANDARD TY. B-6.12**

(RT. STA. 19+40.74 TO RT. STA. 22+20.00)  
(LT. STA. 19+40.74 TO LT. STA. 25+63.00)  
(RT. STA. 22+98.00 TO RT. STA. 25+63.00)

**COMBINATION CONCRETE CURB AND GUTTER**

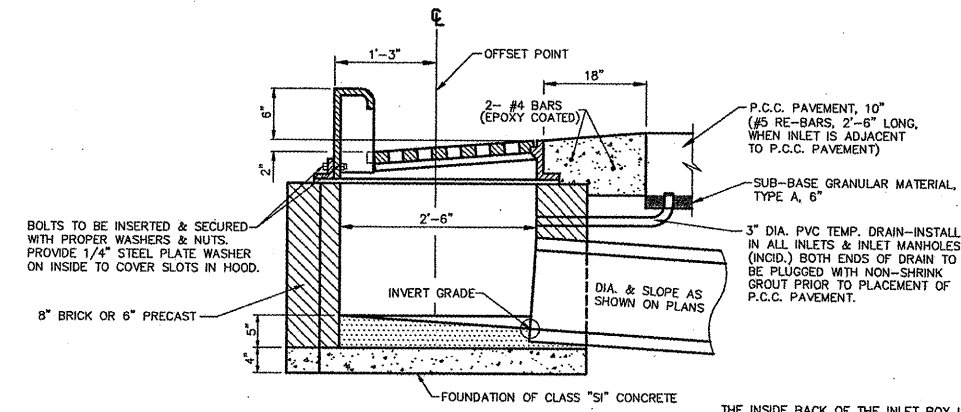
**VILLAGE STANDARD TY. B-9.12**

(LT. STA. 32+41.67 TO LT. STA. 34+04.00)



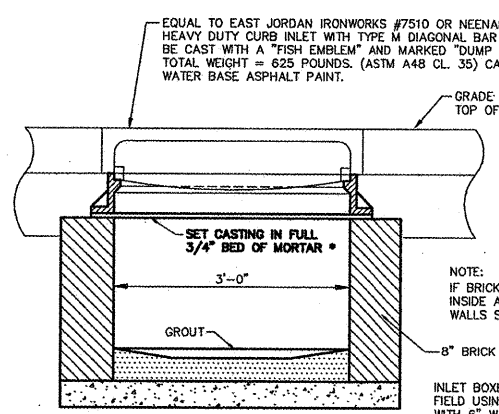
**INLET CASTING BOXOUT FOR G-1 INLETS**

**NOTES:**  
THE COST OF THE INLET CASTING BOXOUT, INCLUDING COMBINATION CONCRETE CURB & APRON, EXPANSION JOINTS, AND NO. 4 RE-BARS SHALL BE INCLUDED IN THE UNIT PRICE PER EACH FOR INLETS, TYPE G-1; INLETS, TYPE G-2; INLETS, DOUBLE G-1; OR INLETS, DOUBLE G-1, SPECIAL.  
INLET BOXES SHALL BE PLACED ACCURATELY. THE INSIDE BACK OF THE INLET BOX IS TO BE IN LINE WITH THE BACK OF THE PROPOSED CURB & GUTTER. INLET BOXES THAT ARE MORE THAN 3" OUT OF ALIGNMENT, SHALL BE REMOVED AND RESET AT THE CONTRACTOR'S EXPENSE.  
EXPANSION JOINT MATERIAL SHALL BE CELLU-CUSHION EXP 200, AS MANUFACTURED BY THE SEALED AIR CORPORATION, OR APPROVED EQUAL.



**SECTION A-A**

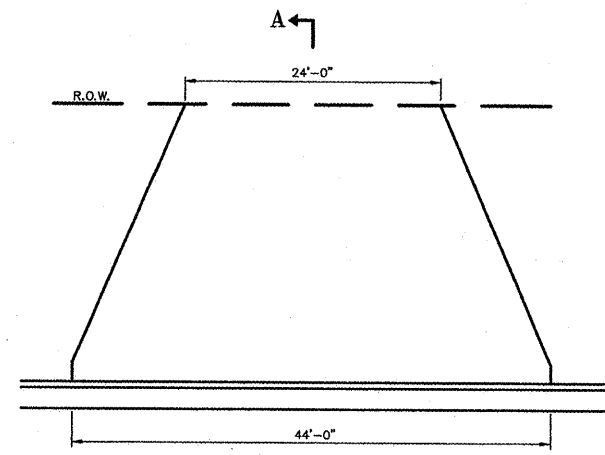
THE INSIDE BACK OF THE INLET BOX IS TO LINE UP WITH THE BACK OF THE PROPOSED CURB AND GUTTER. INLET BOXES THAT ARE MORE THAN 3" OUT OF ALIGNMENT SHALL BE REMOVED AND RESET AT THE CONTRACTOR'S EXPENSE.



**SECTION B-B**

**G-1 INLET DETAILS**

**NOTE:**  
IF BRICK CONSTRUCTION, THE INSIDE AND OUTSIDE OF INLET WALLS SHALL BE MORTAR COATED.  
INLET BOXES MAY BE EITHER CONSTRUCTED IN THE FIELD USING 8" BRICK WALLS OR PRECAST BOXES WITH 6" WALLS. IN EITHER CASE, THE INLET BOXES SHALL BE CONSTRUCTED SO THE MAXIMUM ADJUSTMENT HEIGHT BETWEEN THE TOP OF THE MASONRY AND THE BOTTOM OF THE INLET CASTING SHALL NOT EXCEED 3". PRECAST ADJUSTING RINGS SET IN ROPE MASTIC ARE ALLOWED.

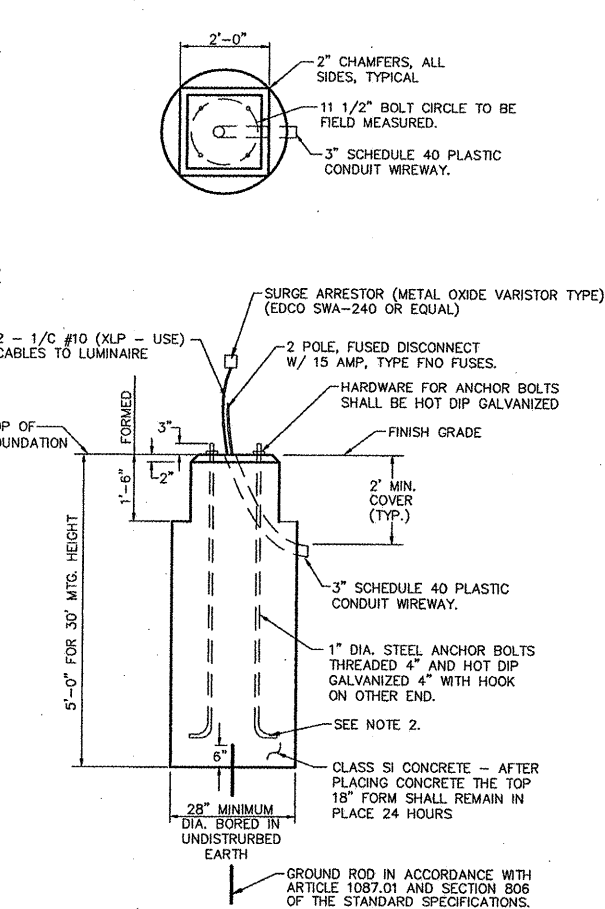
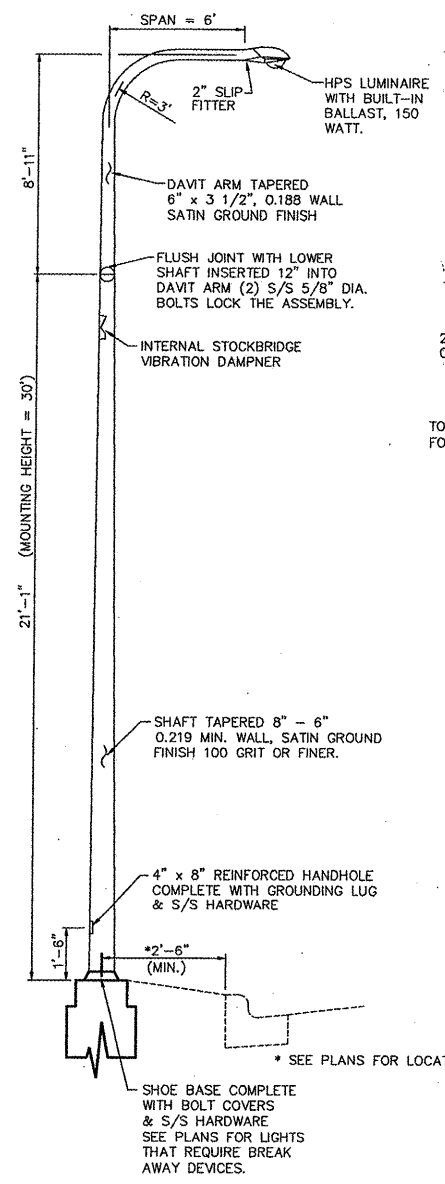


**SECTION A-A**

**FIELD ENTRANCE DETAIL**

DETAIL SHEET W. COURTLAND ST. IMPROVEMENTS		AUSTIN ENGINEERING CO., INC. CIVIL ENGINEERS	
FOR: VILLAGE OF MORTON		PROJ. NO. 104-001143	ILLINOIS
DATE 3/21/08	SCALE N.T.S.	REVISION	SHEET NO. 22 OF 39

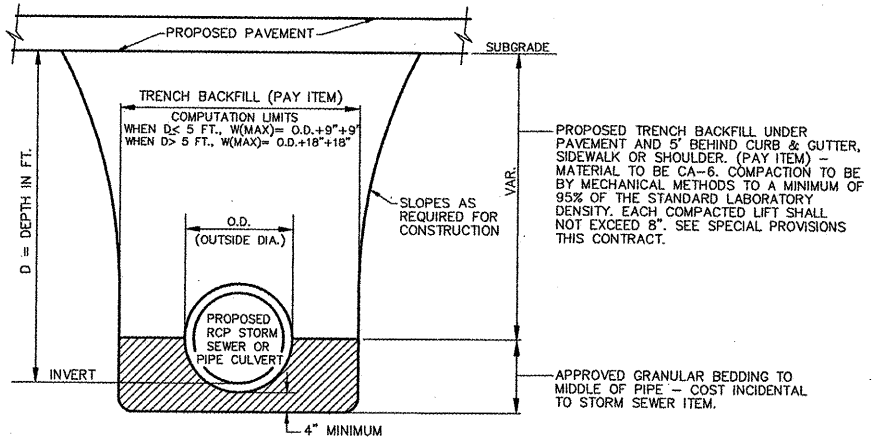
ROUTE NO.	DISTRICT	COUNTY	TOTAL SHEETS	THIS SHEET
F.A.U. 6755	*	TAZEWELL	39	23
FED. ROAD DIST. NO. 7				
PROJECT N-5093-112				
CONTRACT NO. 89351				



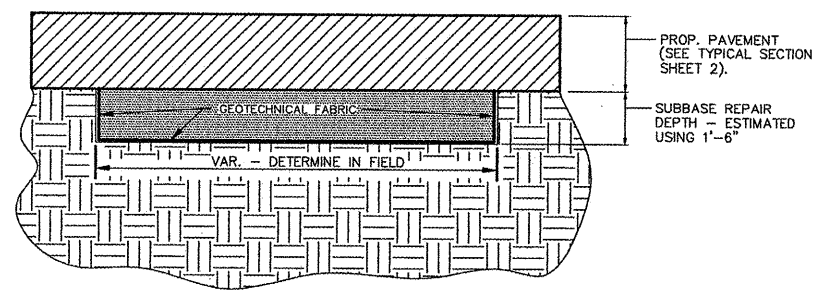
**LIGHT POLE FOUNDATION**

- GENERAL NOTES:
- MINIMUM CLEARANCE FROM THE OUTSIDE EDGE OF FOUNDATION TO ANY PART OF THE POLE BASEPLATE SHALL BE 2".
  - BEND RADIUS SHALL BE FOUR TIMES BOLT DIAMETER.
  - CONNECT GROUND WIRES TO POLE BASE GROUND LUG, NOT ANCHOR BOLTS OR TRANSFORMER BASE.
  - FOR HORIZONTAL MOUNTED LUMINAIRES, SETBACK SHALL BE A MINIMUM OF 20" FROM EDGE OF PAVEMENT.

BEDDING STONE FOR ALL SEWERS SHALL BE AS FOLLOWS:  
 "WELL COMPACTED" APPROVED BEDDING MATERIAL, CONSISTING OF LIMESTONE CHIPS, CRUSHED STONE OR SLAG, OR OTHER GRANULAR MATERIAL APPROVED BY THE ENGINEER THAT CAN BE READILY AND THOROUGHLY COMPACTED, SHALL BE PLACED THE ENTIRE WIDTH OF THE TRENCH AND FOR THE LENGTH OF THE PIPE. SAND OR OTHER FINE MATERIALS THAT HAVE A TENDENCY TO FLOW UNDER PRESSURE WHEN WET WILL NOT BE ACCEPTABLE FOR PIPE BEDDING.

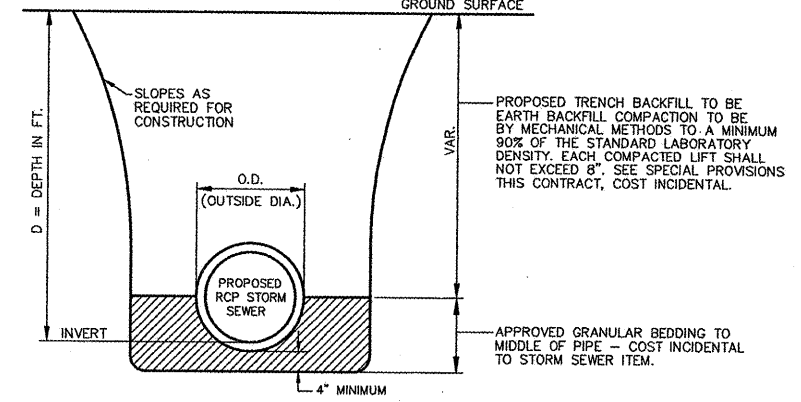


**STORM SEWER & PIPE CULVERT TRENCH DETAILS (UNDER PAVEMENT)**

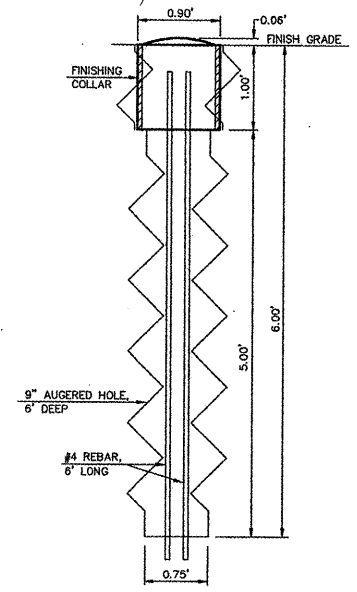


NOTE:  
 THE ACTUAL LENGTH, WIDTH, AND DEPTH OF REPAIR AREA TO BE DETERMINED IN THE FIELD.  
 GEOTECHNICAL FABRIC TO BE PLACED ON BOTTOM, ENDS AND SIDES OF THE REPAIR AREA.

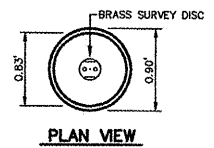
**SUBBASE REPAIR DETAILS**



**STORM SEWER & PIPE CULVERT TRENCH DETAILS**



PROFILE VIEW



PLAN VIEW

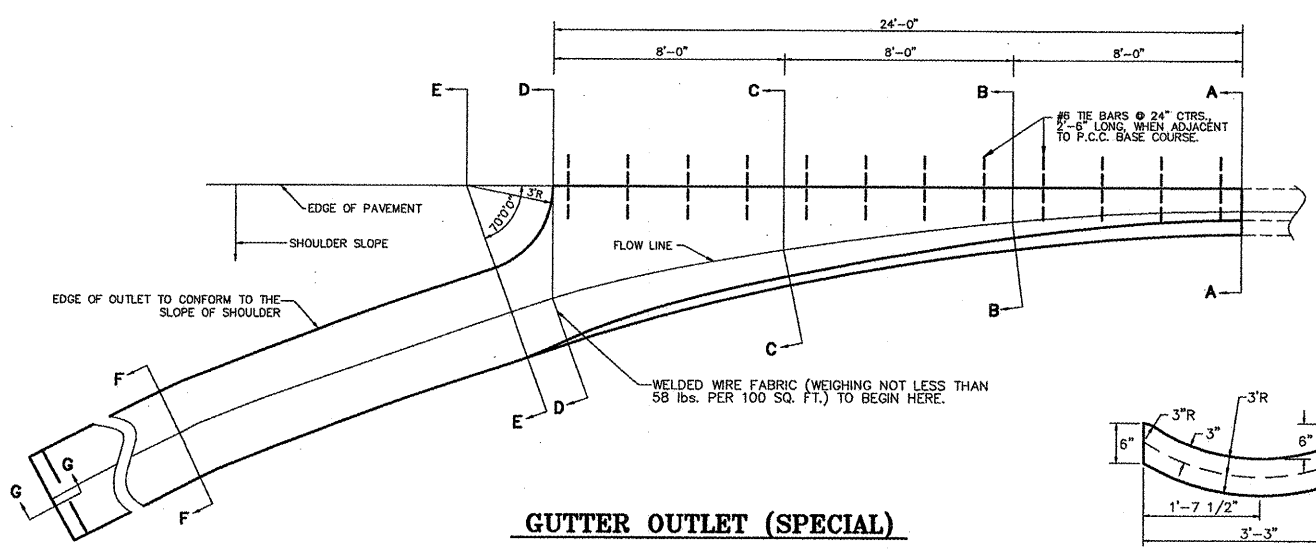
**G.I.S. MONUMENT**

MORTON SUBDIVISION CONSTRUCTION DETAIL

- GENERAL NOTES:
- HOLES TYPICALLY DRILLED WITH A "POLE TRUCK" EQUIPPED WITH A 9" AUGER WHICH LEAVES ABOUT A 9.5"-10" HOLE DEPENDING ON THE SOIL.
  - THE PVC FINISHING COLLAR IS MADE FROM 10" PVC WHICH DEPENDING ON THE DRILLING MAY REQUIRE A MINOR AMOUNT OF SHAVING AT THE TOP OF THE HOLE TO ACCOMMODATE THE COLLAR.
  - HOLES MAY FILL QUICKLY WITH GROUND WATER AND MUST BE PUMPED PRIOR TO PLACEMENT OF CONCRETE.
  - REBAR INSTALLED AFTER ABOUT 3/4 OF THE CONCRETE IS PLACED IN HOLE AND SHOULD BE LEFT DOWN FROM THE TOP OF THE PVC ABOUT 2"-3", TO PREVENT POP-OUTS AND TO ALLOW ROOM FOR THE MONUMENT STEM TO BE PLACED IN THE TOP WITHOUT INTERFERENCE WITH THE REBAR.
  - HEIGHT OF FINISHED MONUMENT TOP SHOULD BE NO TALLER THAN 1" ABOVE SURROUNDING GRADE TO ALLOW FOR MOWING, SNOW PLOWING AND OTHER SAFETY CONSIDERATIONS.
  - PRIOR TO PLACEMENT OF BRASS DISC THE CONCRETE SHOULD BE ROUGH FINISHED WITH A MOUND BROUGHT TO THE CENTER OF THE FINISHING COLLAR SO THAT THE DISC MAY BE PLACED IN THE MIDDLE OF THIS MOUND AND PUSHED DOWN INTO THE CONCRETE THEREBY PUSHING OUT THE AIR FROM UNDER THE DISC AND PROMOTING GOOD EMBEDMENT OF THE DISC IN THE FOUNDATION. THE CONCRETE SHOULD THEN BE FINISHED AROUND THE DISC SUCH THAT THE DISC IS SMOOTH WITH THE TOP OF THE MONUMENT AND THE TOP OF THE MONUMENT IS CONVEX. THE DISC SHOULD BE PLACED IN THE CENTER OF THE FINISHING COLLAR.
  - IF THE LOCATION HAS DECENT GROUND COVER IT MAY BE POSSIBLE TO CUT THE SOD OUT PRIOR TO DRILLING THE HOLES AND REPLACE THE SOD AROUND THE MONUMENT. IF NOT, THE AREA SHOULD BE SEEDED AND COVERED WITH A STRAW BLANKET (DS-75).

**ALUMINUM LIGHT POLE STANDARD**

POLE DESIGNED TO AASHTO 2001 REQUIREMENTS



**GUTTER OUTLET (SPECIAL)**

SECTION A-A

SECTION B-B

SECTION C-C

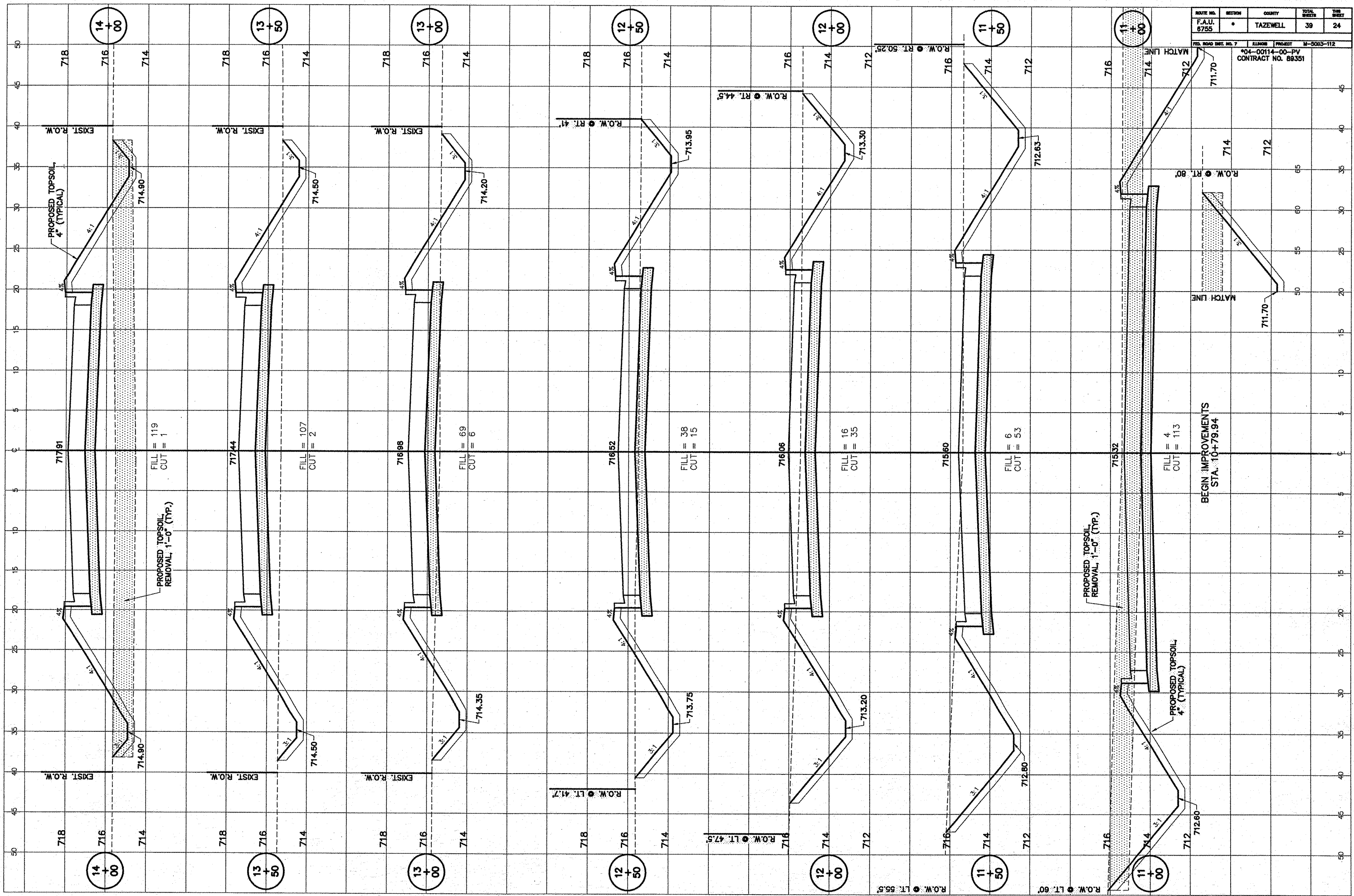
SECTION D-D

SECTION E-E

SECTION F-F

SECTION G-G

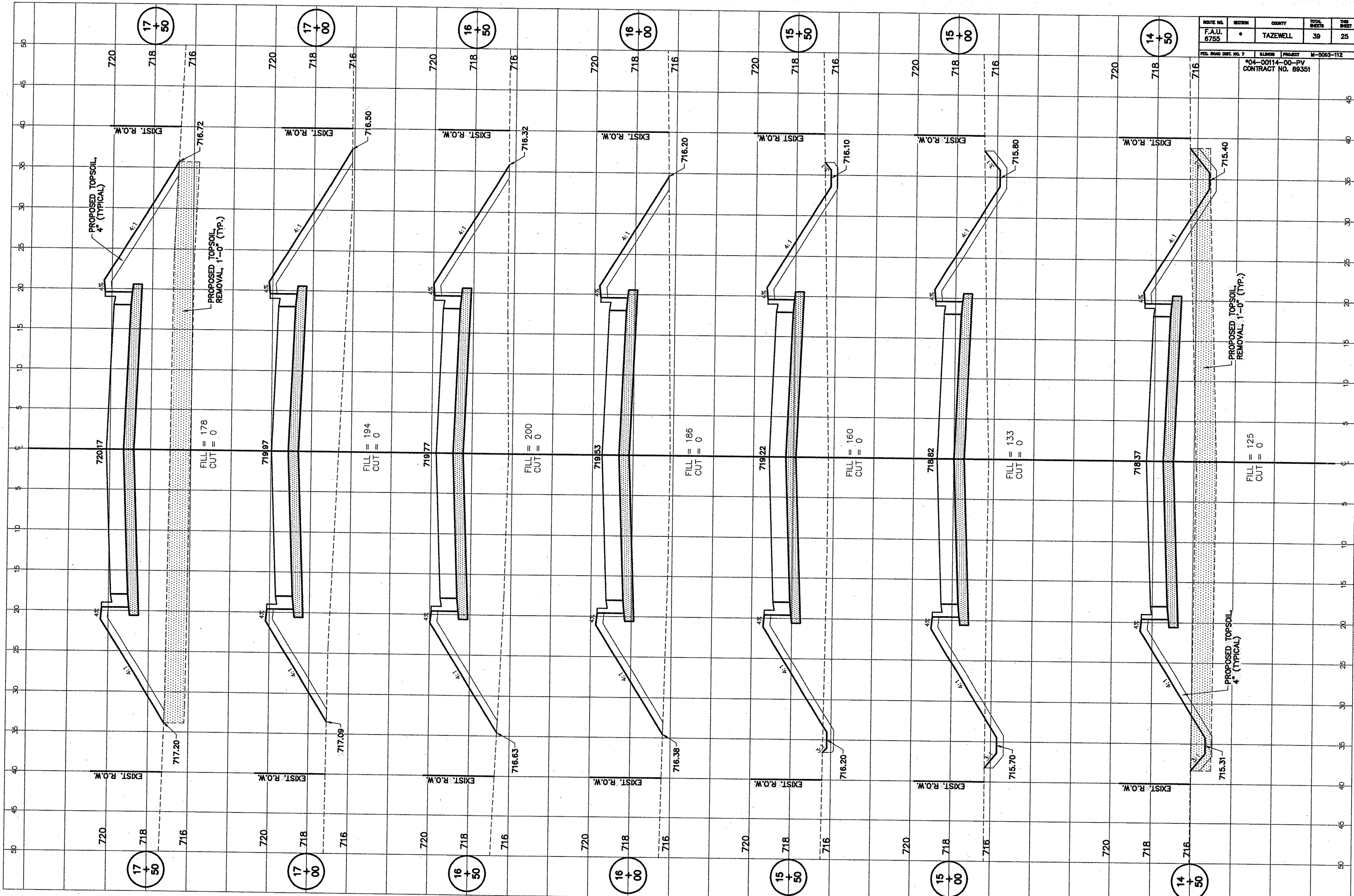
DETAIL SHEET W. COURTLAND ST. IMPROVEMENTS		AUSTIN ENGINEERING CO., INC. CIVIL ENGINEERS		
FOR: VILLAGE OF MORTON	PROBIA	LICENSE NO. 184-001143	ILLINOIS	PROJECT NUMBER
DATE 3/21/08	SCALE N.T.S.	BOOK	REVISION	SHEET NO. 23 OF 39





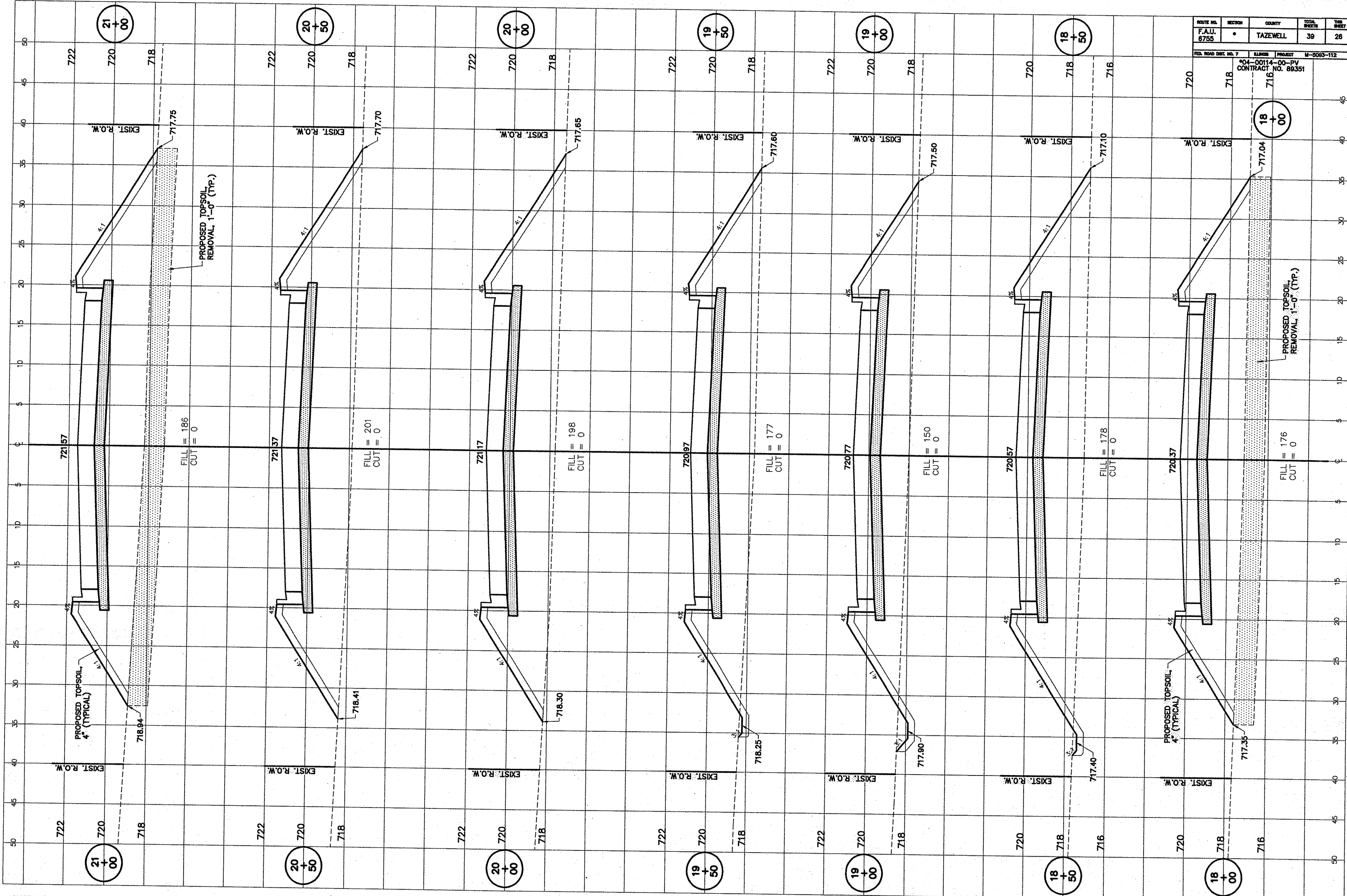
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 6755		TAZEWELL	39	25

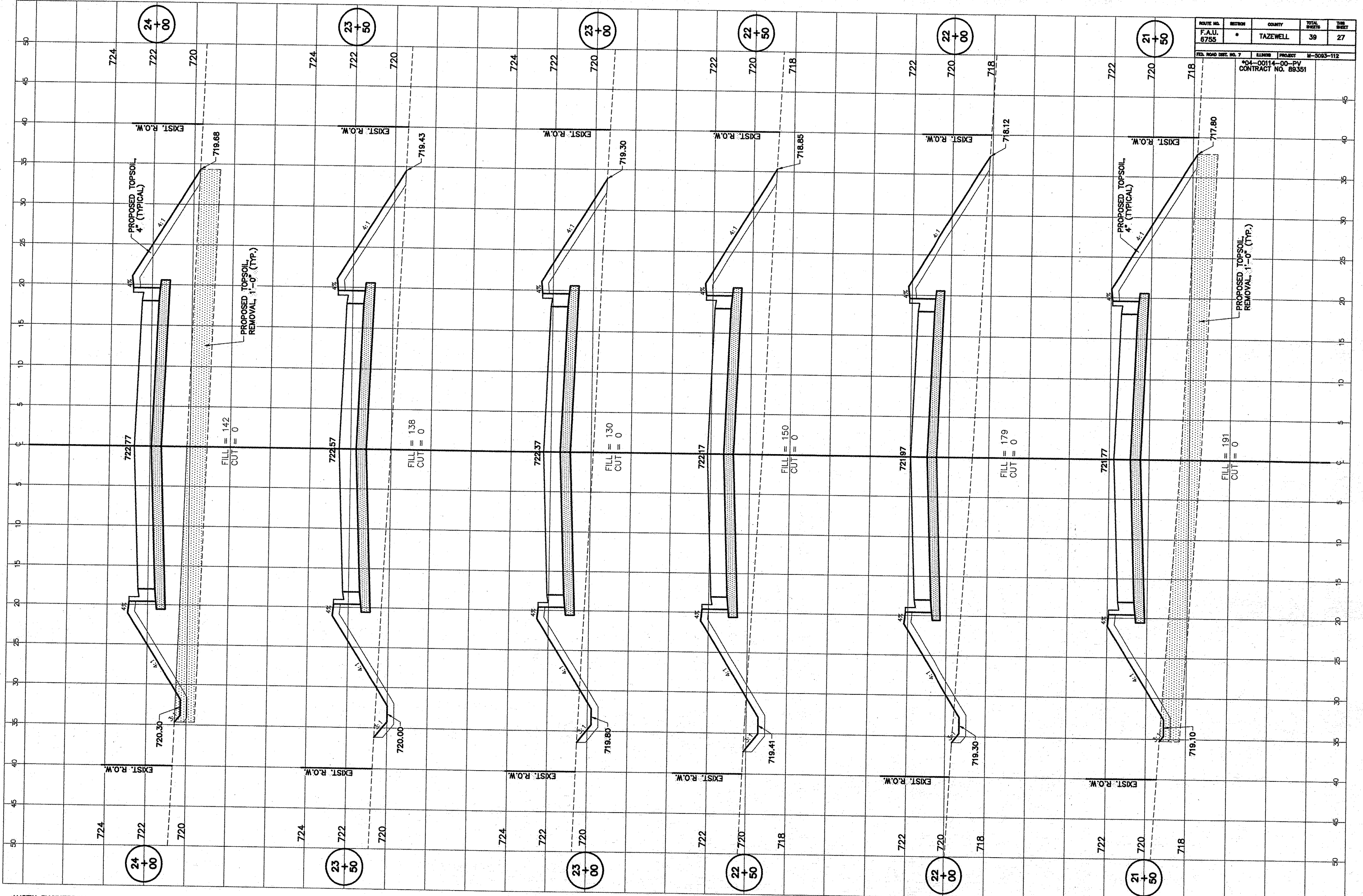
FED. ROAD DIST. NO. 7 | BLVD. PROJECT | M-5063-112  
 904-00114-00-PV  
 CONTRACT NO. 89351



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET
F.A.U. 6755		TAZEWELL	39	28

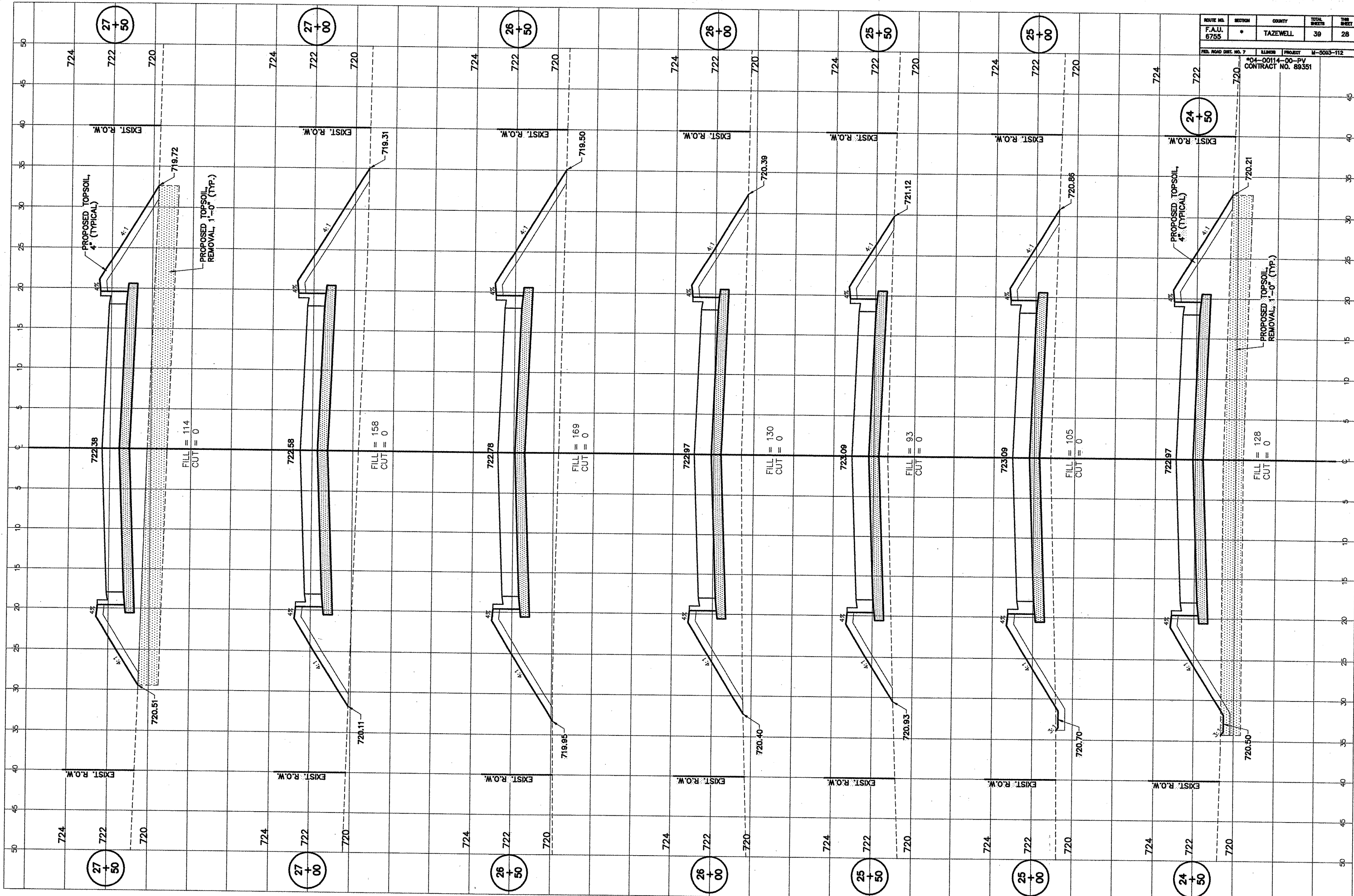
FED. ROAD DIST. NO. 7 ILLINOIS PROJECT M-5003-112  
 904-00114-00-PV CONTRACT NO. 89351





ROUTE NO. F.A.U. 6755	DISTRICT *	COUNTY TAZEWELL	TOTAL SHEETS 39	THIS SHEET 27
FED. ROAD DIST. NO. 7		ALIGNED PROJECT	M-5023-112	
*04-00114-00-PV CONTRACT NO. 89351				

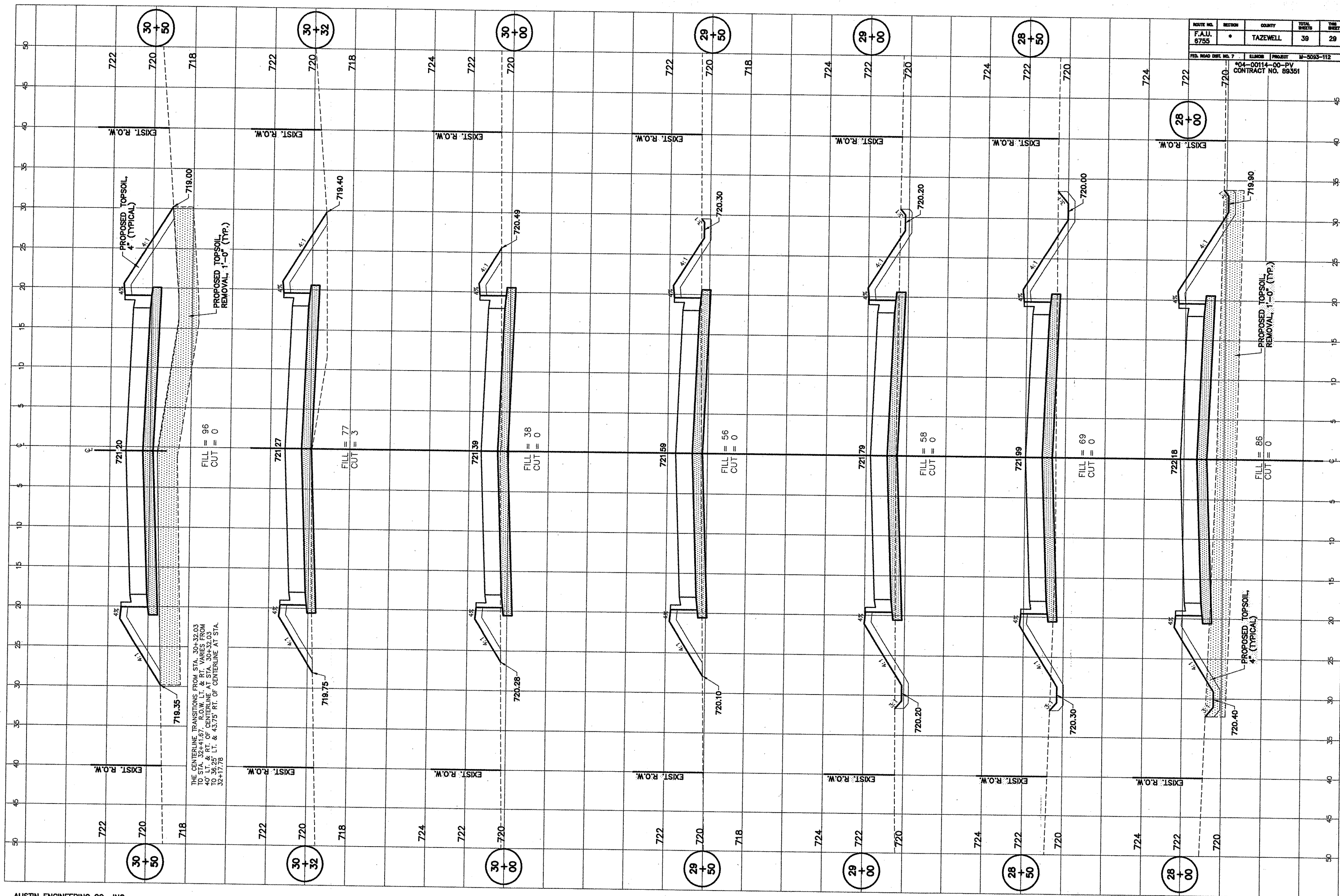
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 6755	*	TAZEWELL	39	28
FED. ROAD DIST. NO. 7		SLIPNOB	PROJECT	M-5063-112
*04-00114-00-PV CONTRACT NO. 89351				



ROUTE NO.	DISTRICT	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 6755	*	TAZEWELL	39	29

FEED ROAD DIST. NO. 7	ELMOR	PROJECT	M-5093-112
		404-00114-00-PV	
CONTRACT NO. 89351			



THE CENTERLINE TRANSITIONS FROM STA. 30+22.03 TO STA. 32+41.67 - R.O.W. L. & RT. VARIES FROM 40' LT. & RT. OF CENTERLINE AT STA. 30+32.03 TO 36.25' LT. & 43.75' RT. OF CENTERLINE AT STA. 32+17.78

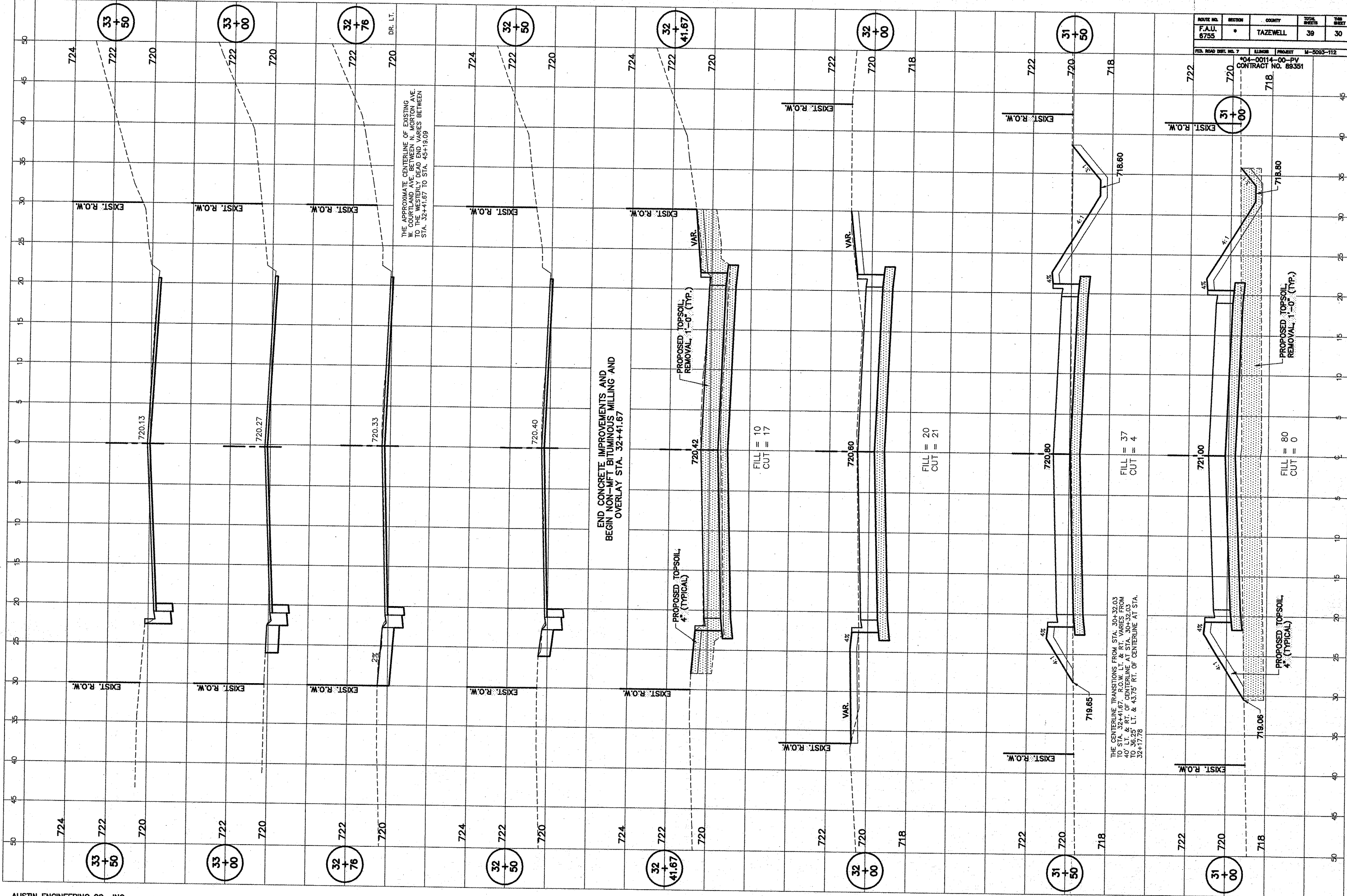
PROPOSED TOPSOIL, 4" (TYPICAL)  
 PROPOSED TOPSOIL REMOVAL, 1'-0" (TYP.)

PROPOSED TOPSOIL, 4" (TYPICAL)  
 PROPOSED TOPSOIL REMOVAL, 1'-0" (TYP.)

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 6755	*	TAZEWELL	39	30

FED. ROAD DIST. NO. 7 ILLINOIS PROJECT M-8003-112

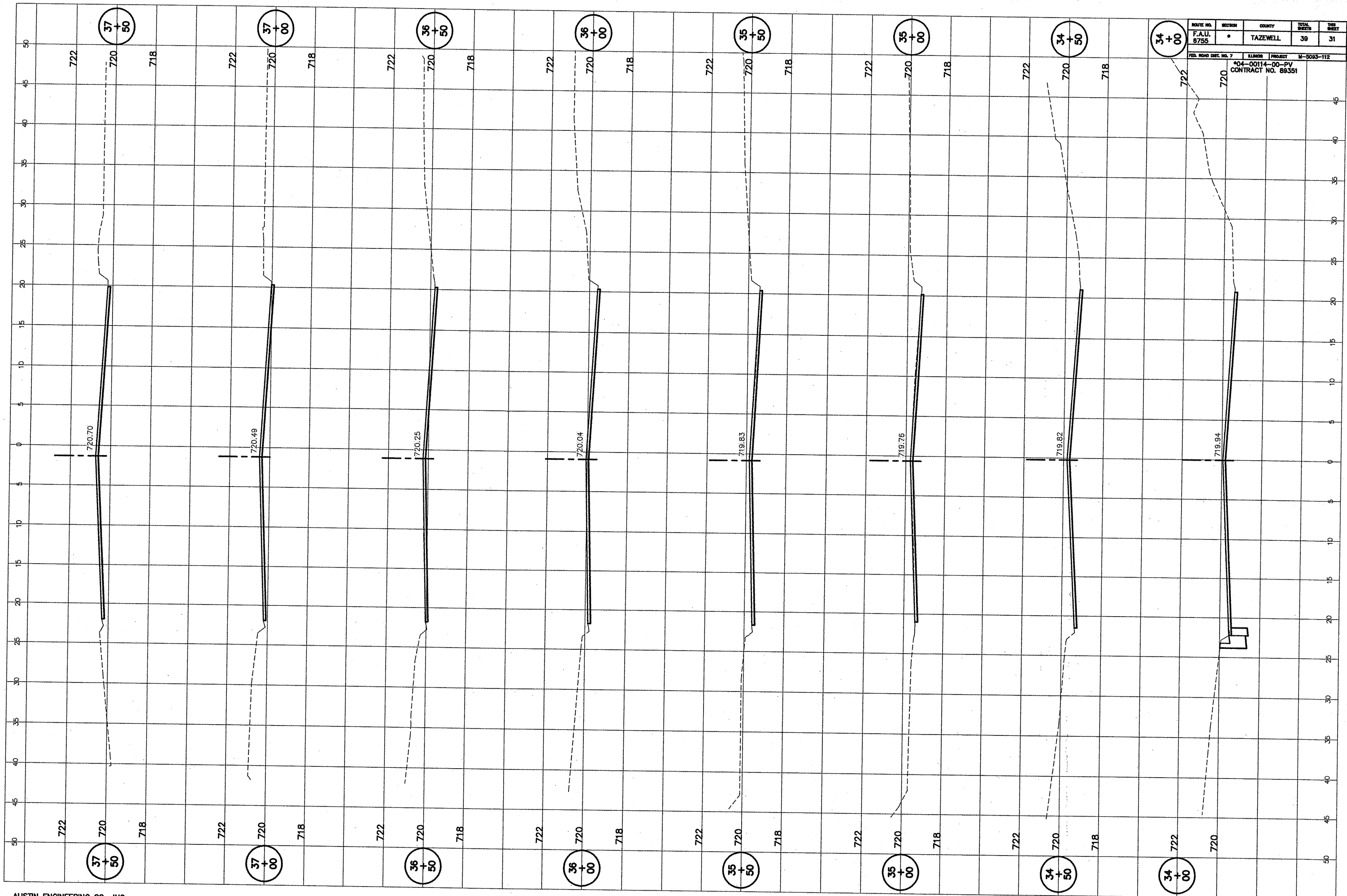
04-00114-00-PV CONTRACT NO. 89351



DR. LT.  
THE APPROXIMATE CENTERLINE OF EXISTING W. COURTLAND AVE. BETWEEN N. MORTON AVE. TO THE WESTERLY DEAD END VARIES BETWEEN STA. 32+41.67 TO STA. 45+19.09

END CONCRETE IMPROVEMENTS AND BEGIN NON-MFT. BITUMINOUS MILLING AND OVERLAY STA. 32+41.67

THE CENTERLINE TRANSITIONS FROM STA. 30+32.03 TO STA. 32+41.67, R.O.W. LT. & RT. VARIES FROM 40' LT. & RT. OF CENTERLINE AT STA. 30+32.03 TO 36.25' LT. & 43.75' RT. OF CENTERLINE AT STA. 32+41.67

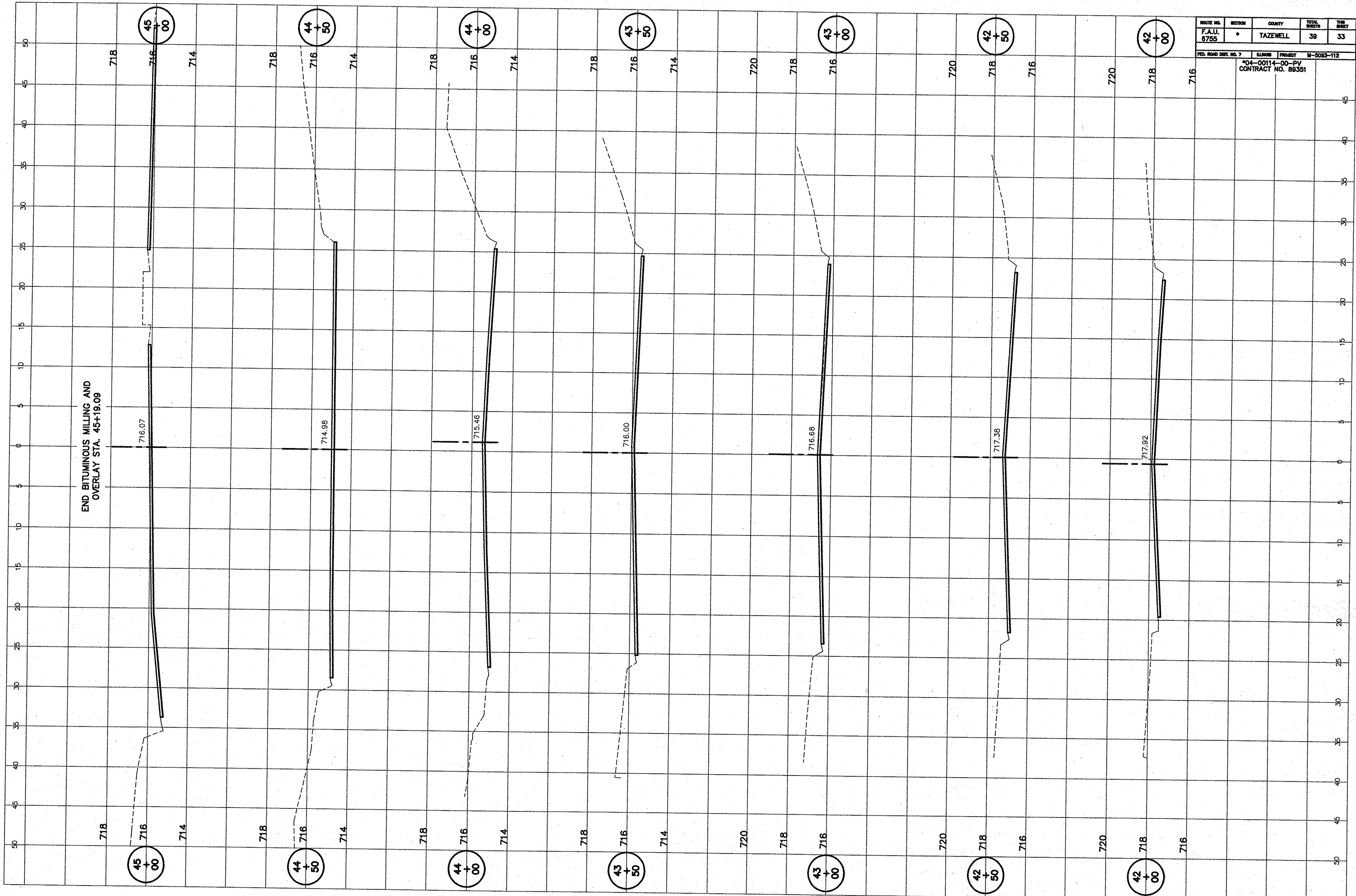


ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 6755		TAZEWELL	39	31

FED. ROAD DIST. NO. 7  
 \*04-00114-00-PV  
 CONTRACT NO. 89351

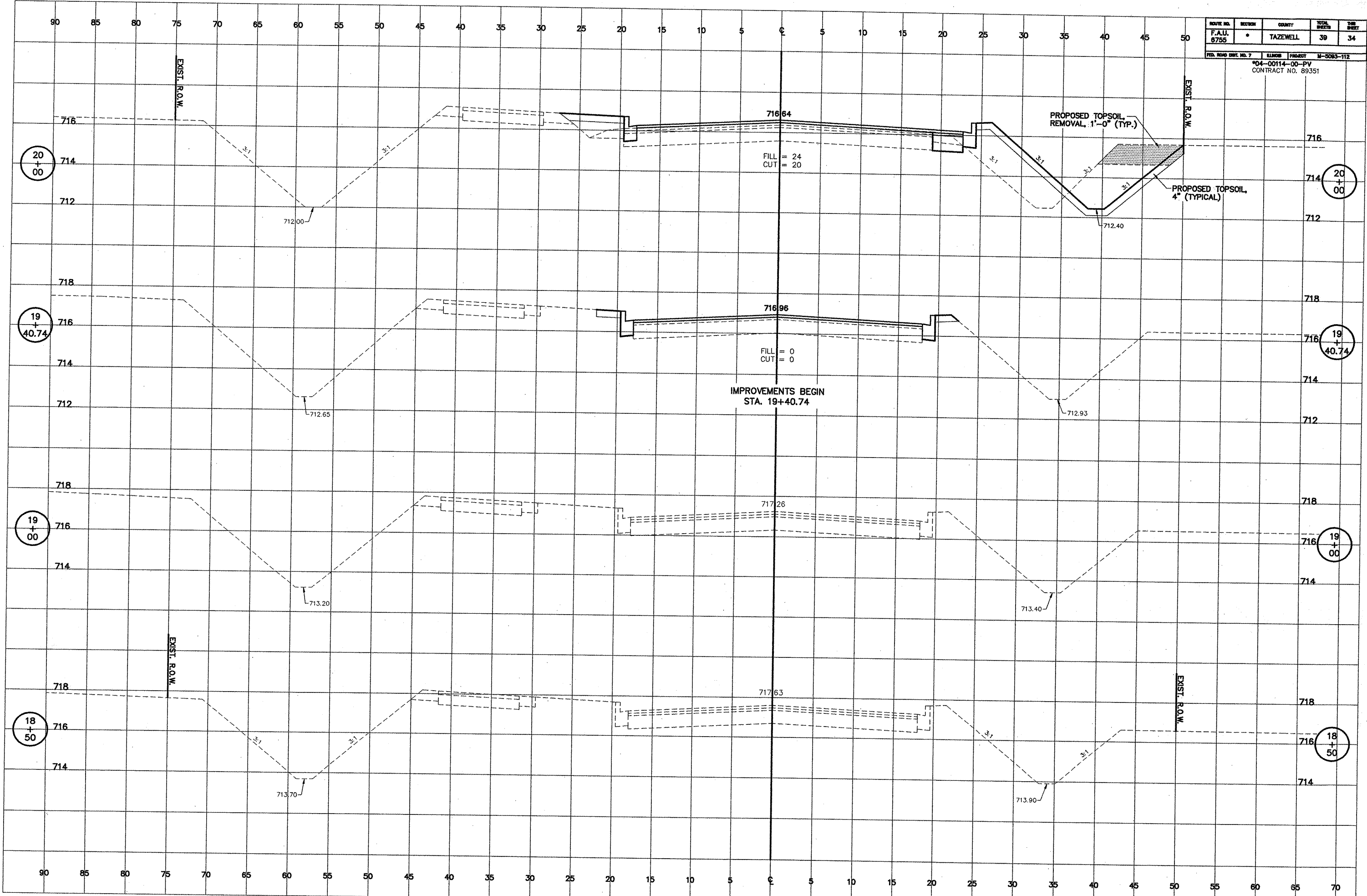






ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	THIS SHEET
F.A.U.	*	TAZEWELL	39	33
8755				
FED. ROAD DIST. NO. 7		SLAB NO.	PROJECT	
			M-5093-112	
*04-00114-00-PV CONTRACT NO. 86351				

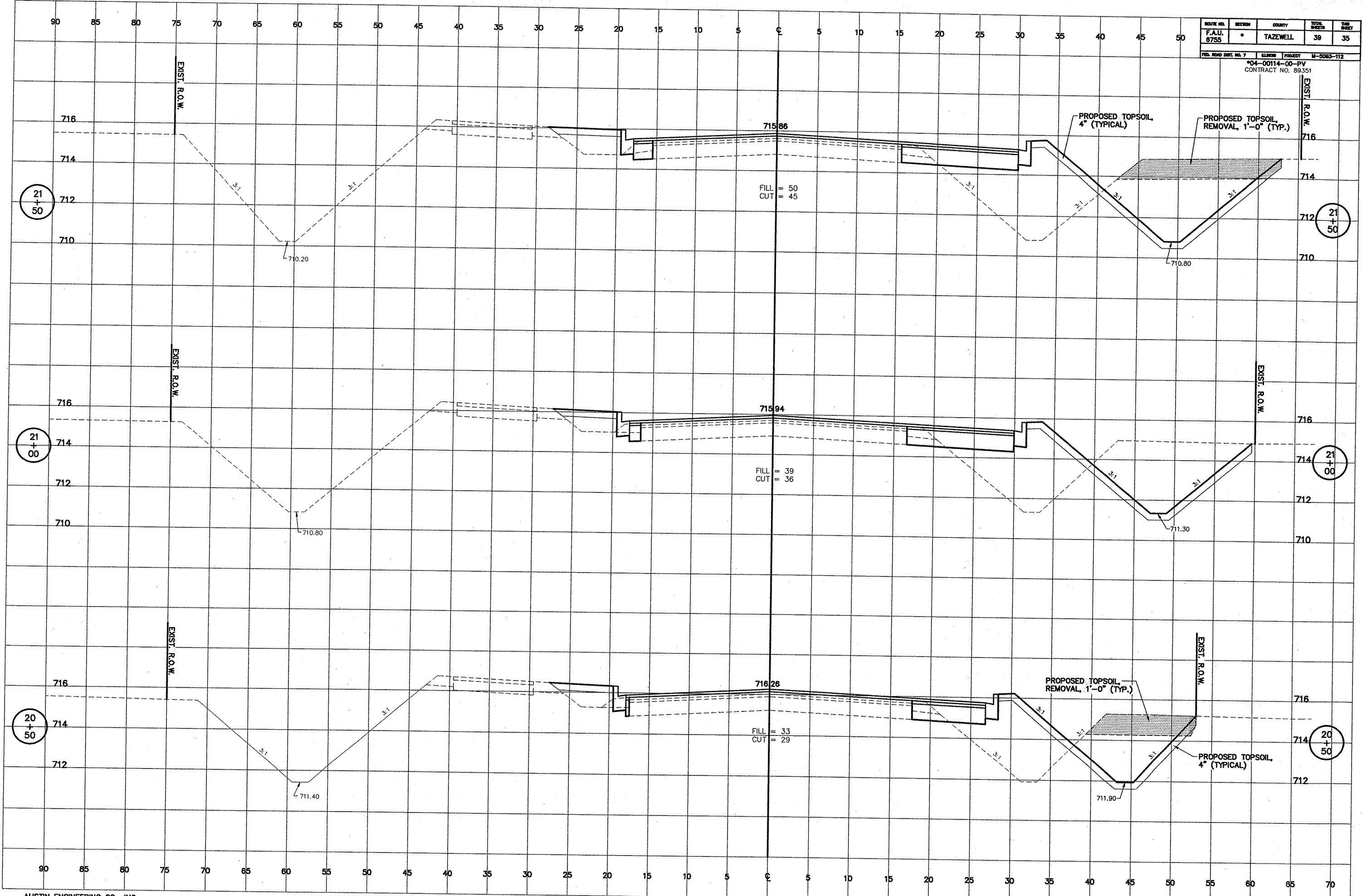
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 8795	*	TAZEWELL	39	34
FED. ROAD DIST. NO. 7		ALIGNED PROJECT	M-5083-112	
*04-00114-00-PV CONTRACT NO. 89351				



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 8755	*	TAZEWELL	39	35

FED. ROAD DIST. NO. 7 ALIQUOT PROJECT M-5003-112

904-0014-00-PV  
CONTRACT NO. 89351



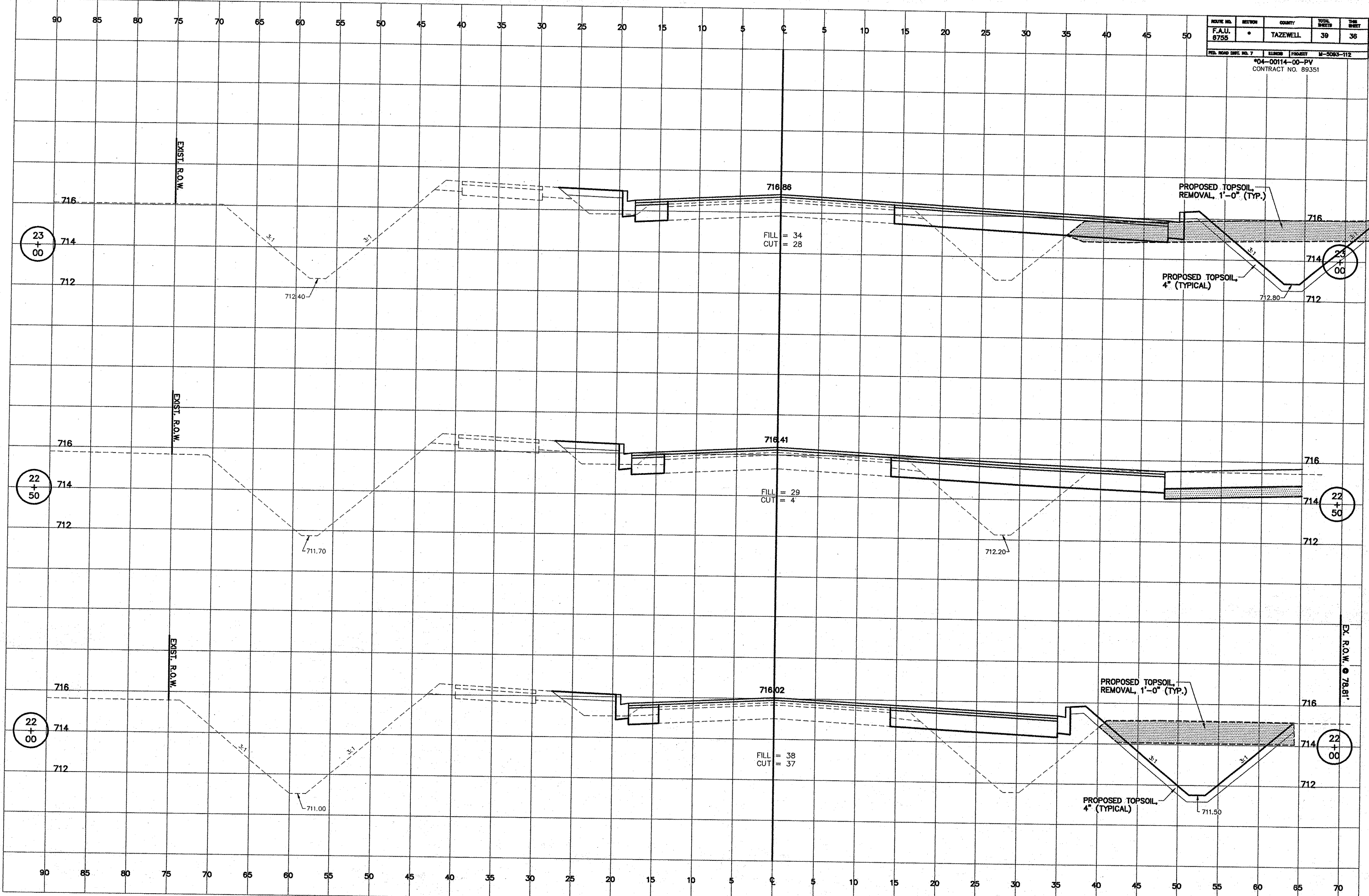
AUSTIN ENGINEERING CO., INC.

VETERANS ROAD  
MORTON, ILLINOIS

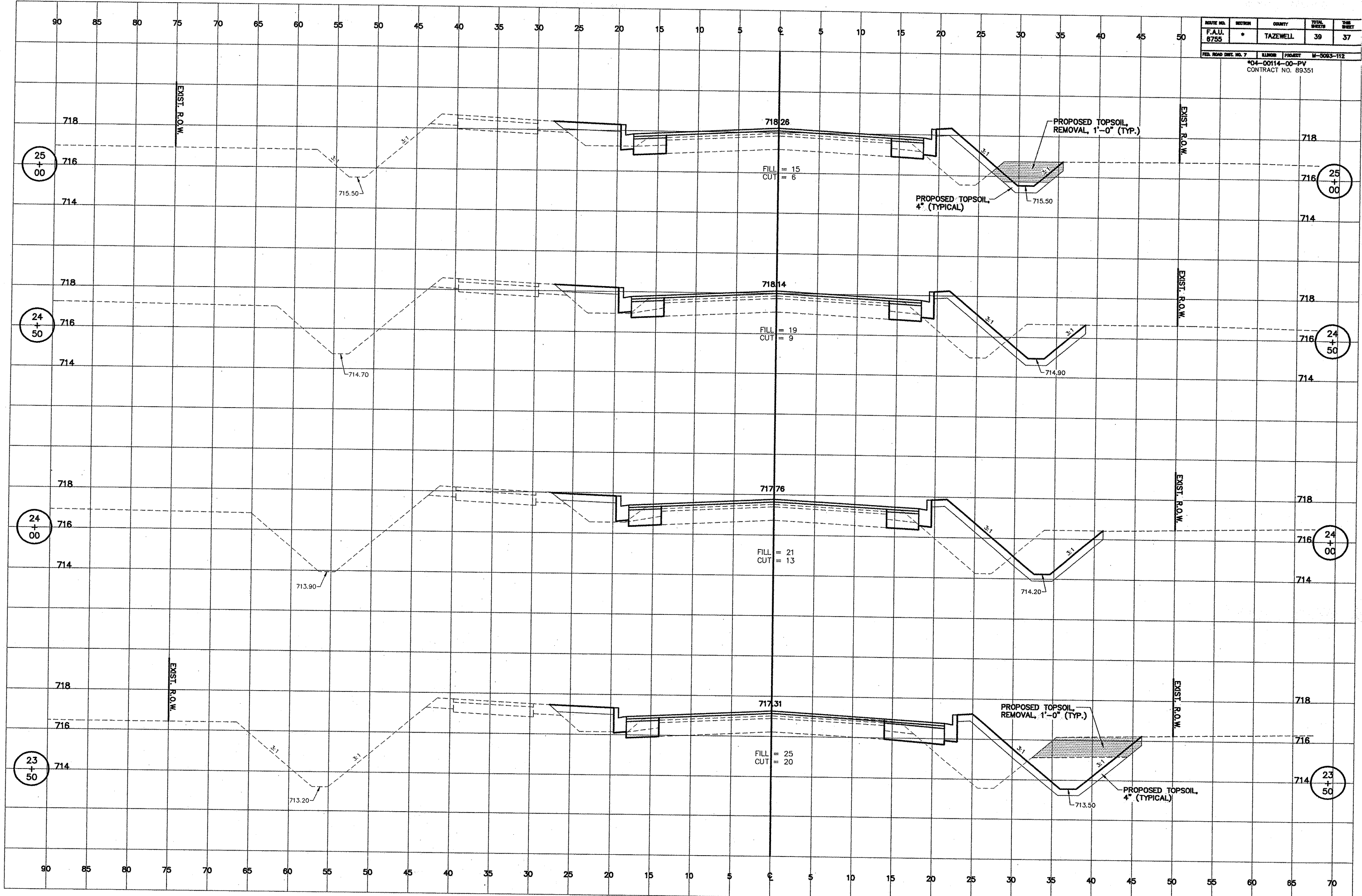
35  
39

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	THIS SHEET
F.A.U. 6755	*	TAZEWELL	39	36

FED. ROAD DIST. NO. 7    ELEV.    PROJECT M-5083-112  
 \*04-00114-00-PV  
 CONTRACT NO. 89351

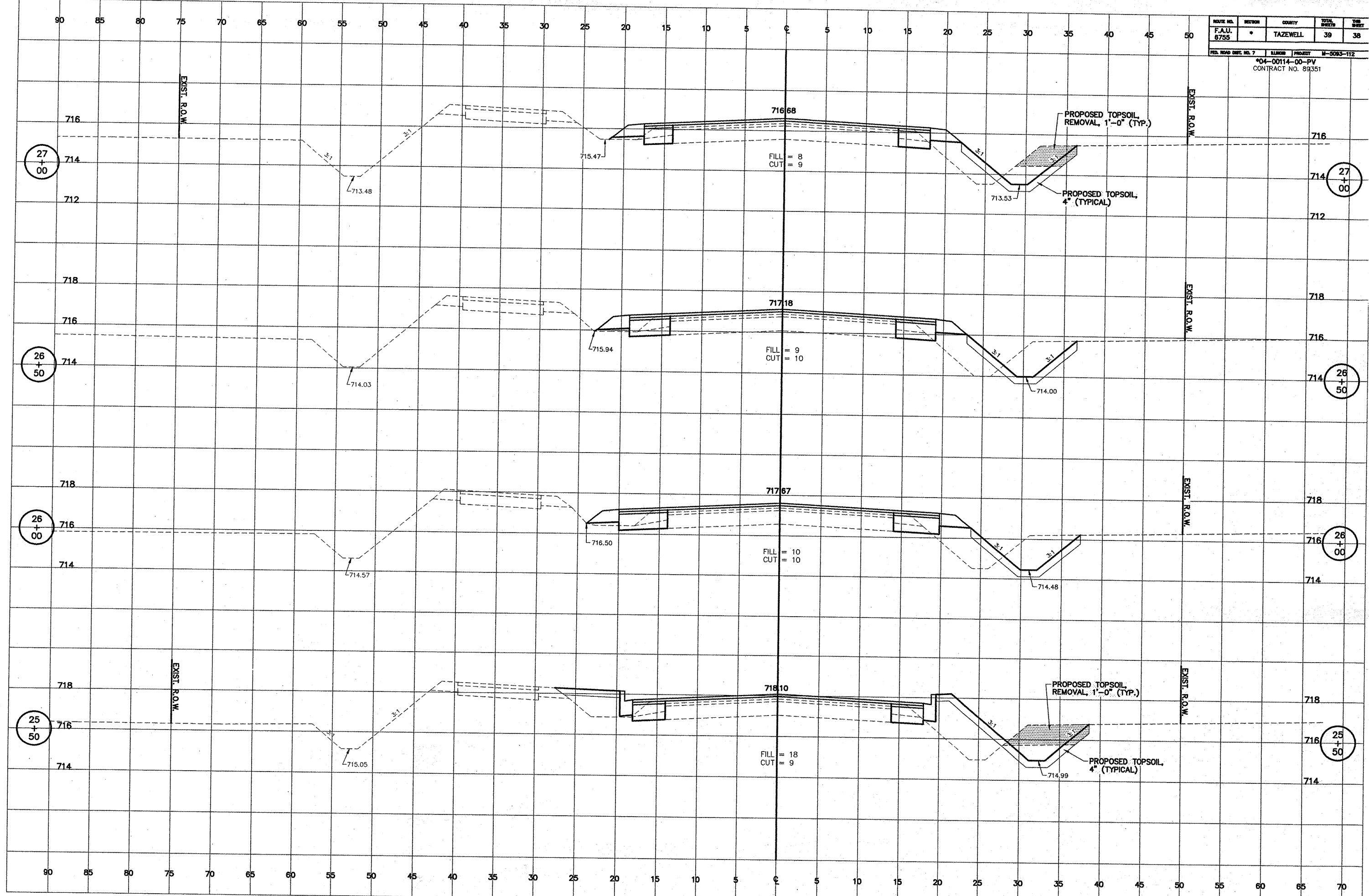


ROUTE NO.	DISTRICT	COUNTY	TOTAL SHEETS	THIS SHEET
F.A.U. 8755	*	TAZEWELL	39	37
FED. ROAD DIST. NO. 7		ALUMINUM	PROJECT M-5063-112	
*04-00114-00-PV				
CONTRACT NO. 89351				



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	THIS SHEET
F.A.U. 6755	*	TAZEWELL	39	38

FED. ROAD DIST. NO. 7 ILLINOIS PROJECT M-5083-112  
 \*04-00114-00-PV  
 CONTRACT NO. 89351



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET
F.A.U.	*	TAZEWELL	39	39
FED. ROAD DIST. NO. 7		BLK/SEG	PROJECT	M-5063-712
		*04-00114-00-PV		
		CONTRACT NO. 89351		

