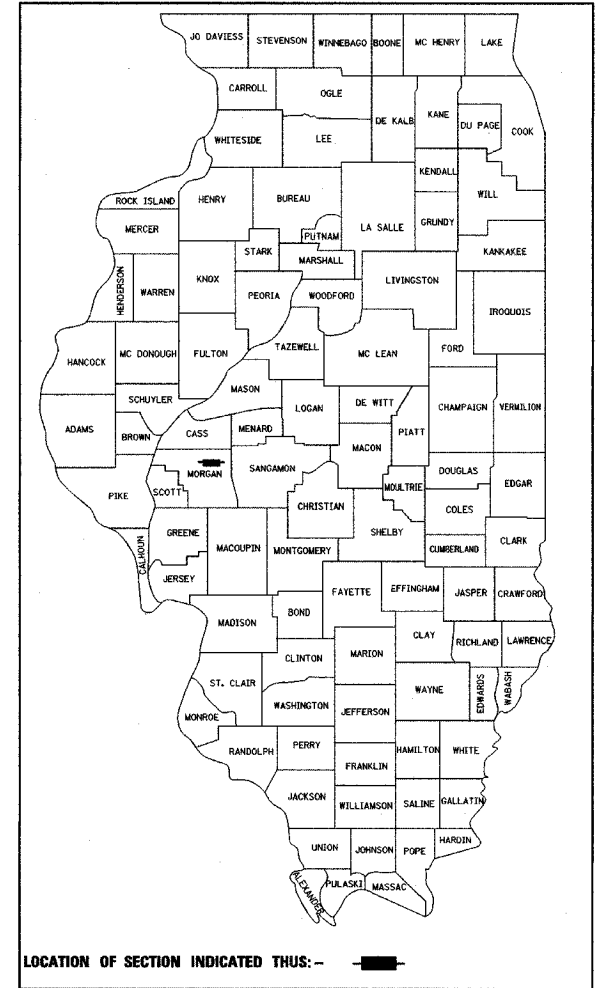


**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
PLANS FOR PROPOSED  
BRIDGE REPLACEMENT AND REHABILITATION PROGRAM  
AND SURFACE TRANSPORTATION/RURAL PROGRAM  
MORGAN COUNTY  
ROAD DISTRICT NO. 1  
SECTION 02-00088-00-BR  
CH 19 (FAS 611) OVER CONOVER BRANCH  
PROJECT RS-BRS-611(106)  
JOB NO. C-96-214-04**

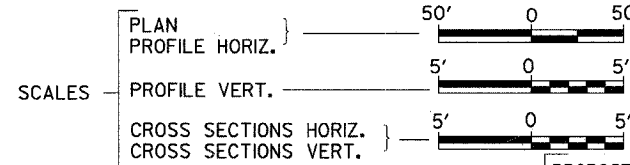
FOR INDEX OF SHEETS, SEE SHEET NO. 2

ROUTE NO.	SEC	COUNTY	TOTAL SHEETS	SHEET NO.
CH 19	*	MORGAN	76	1

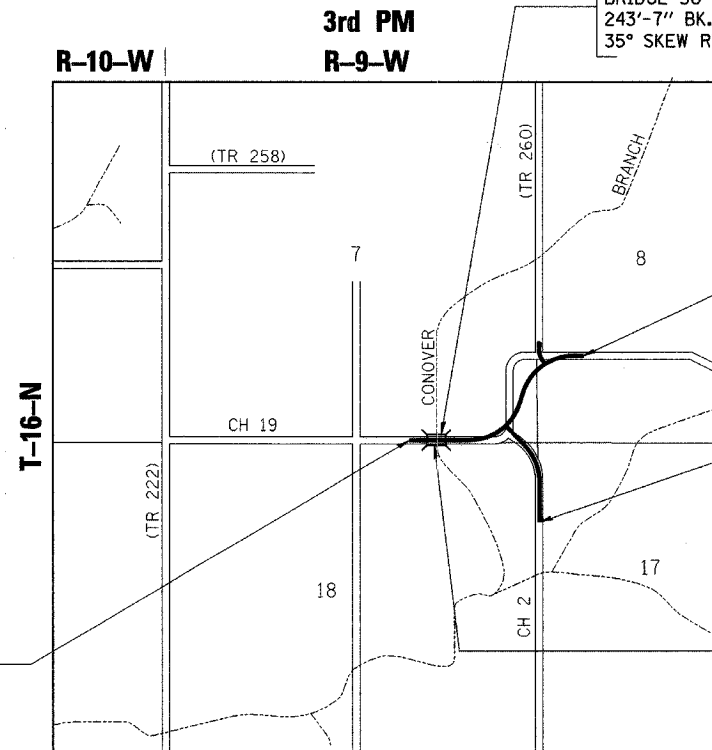
\* 02-00088-00-BR  
**CONTRACT NO. 93388**



LOCATION OF SECTION INDICATED THIS: - [black rectangle] -



PROPOSED FOUR SPAN PPC DECK BEAM  
BRIDGE 30'-0" O. TO O. DECK,  
243'-7" BK. TO BK. SPILL-THRU ABUTS.  
35° SKEW RT. AH., STR. NO. 069-3254



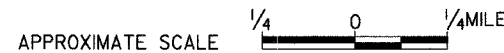
SEC 02-00088-00-BR  
ENDS  
STATION 186+25.00

LIMIT OF WORK  
E STRAWN CROSSING ROAD (CH 2)  
STA 37+05.00

EXISTING SINGLE SPAN CONCRETE  
DECK WITH MONOLITHIC CURB ON  
STEEL STRINGER SUPERSTRUCTURE,  
CLOSED CONCRETE ABUTMENTS,  
±48' BK TO BK, & ±23' O. TO O. DECK  
0° SKEW.  
STR. NO. 069-3005 (TO BE REMOVED)

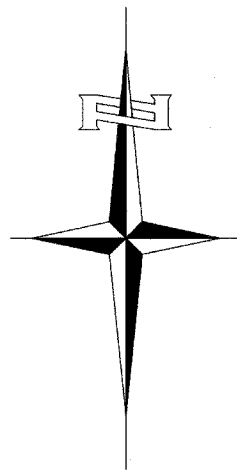
SEC 02-00088-00-BR  
BEGINS  
STATION 150+50.00

**LOCATION MAP**



TOTAL LENGTH OF PROJECT = 3,575.00 LINEAL FEET = 0.677 MILES  
NET LENGTH OF PROJECT = 3,575.00 LINEAL FEET = 0.677 MILES

DESIGN CLASSIFICATION: MAJOR COLLECTOR (NON-URBAN)  
DESIGN SPEED = 50 mph  
ADT = 300 (24) CH 19  
ADT = 200 (24) CH 2



**UTILITY COMPANY**

VERIZON COMMUNICATIONS, JACKSONVILLE, ILLINOIS  
MENARD ELECTRIC COOPERATIVE, PETERSBURG, ILLINOIS

CALL J.U.L.I.E.  
BEFORE YOU DIG  
1-800-892-0123

ROAD DISTRICT NO. 1

CONTRACT NO. 93388

APPROVED 2-1-2005 2005

*Cheri W. Horner*  
MORGAN COUNTY ENGINEER

PASSED Feb 22 2005

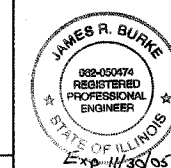
*James R. Burke*  
DISTRICT ENGINEER OF LOCAL ROADS & STREETS

PASSED Feb 22 2005

*W.R. Jones*  
DISTRICT CONSTRUCTION ENGINEER

APPROVED FEBRUARY 23 2005

*Christ H. Reed*  
DISTRICT ENGINEER  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



*James R. Burke*  
SIGNATURE

**Hutchison Engineering, Inc.**  
JACKSONVILLE ILLINOIS

2005 JOB#2198

ENGINEERS SEAL

**GENERAL NOTES**

THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS IMPROVEMENT.

EXISTING CONCRETE SIGN BASES AND OTHER MISCELLANEOUS CONCRETE NOT SPECIFICALLY SHOWN ON THE PLANS INTERFERING WITH PROPOSED CONSTRUCTION SHALL BE REMOVED. COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

TRAFFIC CONTROL SIGNS REMOVED MUST BE RESET AT THEIR PERMANENT LOCATIONS IN A WORKMANLIKE MANNER AND VISIBLE TO TRAFFIC ON THE ROADWAY. THESE SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH THE 'MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS', LATEST EDITION. THE COST OF SUCH WORK SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING SUBGRADE AND BASE DENSITY FOR THE PROPOSED ROADWAY(S).

ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

PLAN QUANTITIES FOR TREE REMOVAL HAVE BEEN BASED ON ALL TREES WITHIN THE LIMITS OF CONSTRUCTION. THIS QUANTITY MAY BE REVISED DURING CONSTRUCTION, AT THE DIRECTION OF THE ENGINEER, BY DELETING FROM THE TREE REMOVAL QUANTITIES, SUCH TREES THAT DO NOT INTERFERE WITH THE PROPOSED CONSTRUCTION.

THE REMOVAL OF EXISTING OIL & CHIP OR GRAVEL SURFACE AND GRAVEL OR CRUSHED STONE BASE COURSE WHICH MAY BE NECESSARY FOR THE CONSTRUCTION OF THE NEW BRIDGE SHALL BE REMOVED AS EARTH EXCAVATION AND NO COMPENSATION WILL BE ALLOWED FOR ADDITIONAL LABOR OR EQUIPMENT REQUIRED.

ALL WASTE OR UNDESIRABLE MATERIAL AS IDENTIFIED BY THE ENGINEER SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY AT THE CONTRACTOR'S EXPENSE.

ALL EXISTING PRIVATELY OWNED UTILITIES REQUIRING ADJUSTMENT WILL BE MADE BY THE UTILITY COMPANY INVOLVED. WHERE NO PROVISIONS HAVE BEEN MADE FOR ADJUSTMENTS ON THE PLANS, NO ADDITIONAL COMPENSATION WILL BE ALLOWED DUE TO DELAYS OR INCONVENIENCES CAUSED BY THE SAID UTILITY ADJUSTMENTS.

THE PROFILE GRADE ELEVATIONS SHOWN ON THE PLAN AND PROFILE SHEETS AND IN THE STATION CROSS SECTIONS ARE TO THE TOP OF THE FINISHED SURFACE.

ALL EXISTING DRAINAGE STRUCTURES NOT BEING REMOVED BY THE CONTRACTOR THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE REPLACED OR REPAIRED AT THE CONTRACTOR'S EXPENSE.

ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

THE LOCATION OF UNDERGROUND UTILITIES SHOWN ON THE PLANS REPRESENTS THE BEST KNOWLEDGE OF THE COUNTY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY AS DETAILED IN SECTION 563 OF THE STANDARD SPECIFICATIONS, TO VERIFY LOCATIONS OF UNDERGROUND INSTALLATIONS BEFORE STARTING CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL INDEMNIFY THE COUNTY, ITS OFFICERS AND EMPLOYEES AGAINST ALL CLAIMS DUE TO DAMAGE TO CORPORATE OR PRIVATE PROPERTY RESULTING FROM HIS CONSTRUCTION OPERATIONS AS DESCRIBED IN ARTICLES 107.20 AND 107.26 OF THE STANDARD SPECIFICATIONS.

THE CONTRACTOR MAY BE REQUIRED TO CONDUCT SOME OF HIS GRADING AND TRENCHING OPERATIONS AROUND TRANSMISSION POLES AND UNDER TRANSMISSION LINES, THE ADDED COST OF SO DOING SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND PRESERVE PROPERTY MARKERS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT, HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

ALL ELEVATIONS SHOWN REFER TO U.S.G.S. MEAN SEA LEVEL DATUM.

WHEREVER IN THESE PLANS REFERENCE IS MADE TO THE "STANDARD SPECIFICATIONS", IT IS UNDERSTOOD TO INCLUDE THE "SUPPLEMENTAL SPECIFICATIONS" INCLUDED IN THE PROPOSAL.





IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS PROJECT, SPECIFICALLY AS THEY RELATE TO THE LUMP SUM PAY ITEMS.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE(S)	BIT CONC SURF CSE	BIT CONC BINDER CSE	INCIDENTAL BIT SURFACING
AC/PG	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS	15%	15%	15%
RAP % (MAX)	4% #N50	4% #N50	4% #N50
MIX COMPOSITION (GRADATION MIXTURE)	SUPERPAVE IL-9.5 OR 12.5	SUPERPAVE IL-19.0	SUPERPAVE IL-9.5 OR 12.5
FRICITION AGGREGATE	MIX "C"	N/A	N/A

**LEGEND**

	PROPOSED SPECIAL DITCH
	PROPOSED STANDARD DITCH
	EXISTING DITCH
BOP	BEGINNING OF PROFILE GRADE
EOP	END OF PROFILE GRADE
X DCHK	EXISTING CONCRETE DITCH CHECK
-----	SPECIAL DITCH PROFILE LT
-----	SPECIAL DITCH PROFILE RT
	RIPRAP DITCH LINING (SEE SCHEDULE FOR TYPE)
SB	STILLING BASIN (SEE DETAIL)
DLNTR	DELINEATOR
TBR	TO BE REMOVED

RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00088-00-BF		MORGAN	76	2
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

\* COUNTY HIGHWAY 19 (FAS 611)

**CONTRACT NO. 93388**

**INDEX OF SHEETS**

DESCRIPTION	SHEET NO
COVER SHEET	1
GENERAL NOTES, LEGEND, INDEX OF SHEETS AND REQUIRED STANDARDS.	2
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INTERSECTION DETAILS	16
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**REQUIRED STANDARDS**

000001-04	SYMBOLS, ABBREVIATIONS, AND PATTERNS
280001-02	TEMPORARY EROSION CONTROL SYSTEMS
515001-02	NAME PLATE FOR BRIDGES
542301	PRECAST REINFORCED CONCRETE FLARED END SECTION
602701	CAST IRON STEPS
630001-05	STEEL PLATE BEAM GUARDRAIL
630301-03	SHOULDER WIDENING FOR TYPE 1, (SPECIAL) GUARDRAIL TERMINALS
631026-02	TRAFFIC BARRIER, TYPE 5 & 5A
635006-02	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-01	REFLECTOR MARKER AND MOUNTING DETAILS
702001-05	TRAFFIC CONTROL DEVICES
780001-01	TYPICAL PAVEMENT MARKINGS
BLR 21-6	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS (TWO-LANE TWO WAY RURAL TRAFFIC) (ROAD CLOSED TO THRU TRAFFIC)
BLR 24-1	MAILBOX TURNOUTS FOR LOCAL ROADS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 COUNTY HIGHWAY 19 (FAS 611)  
 GENERAL NOTES, LEGEND, INDEX,  
 REQUIRED STANDARDS,  
 SCALE: DATE FEBRUARY, 2002 DRAWN BY KLS CHECKED BY JRB

SUMMARY OF QUANTITIES				H25 STR	H10 BRRP
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY I000	BRIDGE X080-2A
• XX004350	TRANSVERSE DRAINS, COMPLETE	EACH	2	1	1
• X0323665	RIPRAP SLURRY	SQ YD	43		43
• X0392300	DITCH CHECK REMOVAL	EACH	28		28
• X2020500	EARTH EXCAVATION (ROCKFILL)	CU YD	300	150	150
• X4066414	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE MIX "C", N50	TON	1,364	885	479
• X4066614	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE IL-19.0, N50	TON	1,661	1,155	506
• X5020501	UNDERWATER STRUCTURE EXCAVATION PROTECTION, LOCATION 1	EACH	1		1
• X5020502	UNDERWATER STRUCTURE EXCAVATION PROTECTION, LOCATION 2	EACH	1		1
• Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
• Z0013825	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	26.8		26.8
• Z0054530	ROCKFILL-SUBGRADE	TON	500	225	275
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	187	72	115
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	73		73
20100500	TREE REMOVAL, ACRES	ACRE	0.6	0.1	0.5
20200100	EARTH EXCAVATION	CU YD	68,800	19,492	49,308
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	2,775		2,775
20300100	CHANNEL EXCAVATION	CU YD	2,775		2,775
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	625	313	312
• 25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	12.7	8.8	3.9
25100630	EROSION CONTROL BLANKET	SQ YD	3,002	2,095	907
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1,270	880	390
28000300	TEMPORARY DITCH CHECKS	EACH	294	141	153
28000400	PERIMETER EROSION BARRIER	FOOT	1,098	998	100
28000500	INLET AND PIPE PROTECTION	EACH	8	5	3
28100207	STONE RIPRAP, CLASS A4	TON	1,410		1,410
• 28100807	STONE DUMPED RIPRAP, CLASS A4	TON	785	115	670
• 28101840	RIPRAP FOR STILLING BASIN	TON	42	42	
28200100	FILTER FABRIC FOR USE WITH RIPRAP	SQ YD	2,834	217	2,617
35100100	AGGREGATE BASE COURSE, TYPE A	TON	10,300	7,146	3,154
40200100	AGGREGATE SURFACE COURSE, TYPE A	TON	267	267	
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	394	254	140
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	5,016	3,578	1,438
40600895	CONSTRUCTING TEST STRIP	EACH	2	2	
40800040	INCIDENTAL BITUMINOUS SURFACING	TON	21	14	7
48100100	AGGREGATE SHOULDERS, TYPE A	TON	1,724	859	865
• 50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1
50105220	PIPE CULVERT REMOVAL	FOOT	219	219	
50200100	STRUCTURE EXCAVATION	CU YD	255		255
50300225	CONCRETE STRUCTURES	CU YD	273.1		273.1
50400405	PRECAST PRESTRESSED CONCRETE DECK BEAMS (21" DEPTH)	SQ FT	2,885		2,885

SUMMARY OF QUANTITIES						H25 STR	H10 BRRP
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY I000	BRIDGE X080-2A		
50400605	PRECAST PRESTRESSED CONCRETE DECK BEAMS (33" DEPTH)	SQ FT	4,345		4,345		
50800105	REINFORCEMENT BARS	POUND	21,450	410	21,040		
50900205	STEEL RAILING, TYPE S-1	FOOT	487		487		
51000105	PIPE HANDRAIL	FOOT	23	23			
51201100	FURNISHING METAL PILE SHELLS 14"	FOOT	2,496		2,496		
51202600	DRIVING AND FILLING SHELLS	FOOT	2,496		2,496		
51203200	TEST PILE METAL SHELLS	EACH	5		5		
51204315	CONCRETE ENCASEMENT	CU YD	15.3		15.3		
51500100	NAME PLATES	EACH	1		1		
54003000	CONCRETE BOX CULVERTS	CU YD	5.3	5.3			
• 54200643	PIPE CULVERTS, TYPE 1 CORRUGATED STEEL OR ALUMINUM CULVERT PIPE 18"	FOOT	210	92	118		
54201279	PIPE CULVERTS, TYPE 2 RCCP 24"	FOOT	48	48			
• 54201483	PIPE CULVERTS, TYPE 2 CORRUGATED STEEL OR ALUMINUM CULVERT PIPE 18"	FOOT	254	196	58		
54202983	PIPE CULVERTS, TYPE 4 RCCP 48"	FOOT	128	128			
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2	2			
54213693	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48"	EACH	1	1			
58100200	WATERPROOFING MEMBRANE SYSTEM	SQ YD	804		804		
58300100	PORTLAND CEMENT MORTAR FAIRING COURSE	FOOT	540		540		
• 60109620	BACKSLOPE DRAINS, TYPE 2, 4"	FOOT	400	200	200		
61139900	STORM SEWER, SPECIAL 6"	FOOT	500		500		
61140000	STORM SEWER, SPECIAL 8"	FOOT	250		250		
61140200	STORM SEWER, SPECIAL 12"	FOOT	250		250		
63000000	STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	1,350		1,350		
• 63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	4		4		
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL (TANGENT)	EACH	4		4		
70103700	TRAFFIC CONTROL COMPLETE	L SUM	1	1			
70300230	TEMPORARY PAVEMENT MARKING - LINE 5"	FOOT	18,368	10,968	7,400		
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	25	25			
78001120	PAINT PAVEMENT MARKING - LINE 5"	FOOT	18,368	10,968	7,400		
78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	25	25			
• 78200510	BARRIER WALL MARKERS, TYPE A	EACH	1		1		
• 78200410	GUARDRAIL MARKERS, TYPE A	EACH	13		13		
• 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4		4		

\* SEE SPECIAL PROVISIONS

\*\*BRRP PARTICIPATION LIMITS: STA 150+50 TO STA 169+00

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**SUMMARY OF QUANTITIES**

SCALE: DATE FEBRUARY, 2002

DRAWN BY JCG  
CHECKED BY JRB

Table with columns: RTE, SECTION, COUNTY, TOTAL SHEETS, SHEET NO. Values: \* 02-00088-00-BF, MORGAN, 76, 4.

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
\* COUNTY HIGHWAY 19 (FAS 611)
CONTRACT NO. 93388

EARTHWORK SCHEDULE

Main Earthwork Schedule table with columns: LOCATION, DESCRIPTION, THEORETICAL, TOPSOIL ADJUSTMENT, TOPSOIL PLACEMENT, ADJUSTED EARTHWORK, TOPSOIL EXCAVATION AND PLACEMENT, EXCESS (BORROW), CUMULATIVE EXCESS (BORROW).

NOTES:

A MASS DIAGRAM FOR THE EARTHWORK IS NOT INCLUDED IN THESE PLANS AND WILL NOT BE AVAILABLE TO THE CONTRACTOR UPON REQUEST...

THE QUANTITIES SHOWN IN THE SCHEDULE INCLUDE ALL MAINLINE, SIDE ROAD, AND ENTRANCE QUANTITIES IN EACH SPECIFIED AREA.

QUANTITIES FOR THE DEGRADING OF EXISTING CONDITIONS HAVE BEEN INCLUDED IN THE APPROXIMATE STATION RANGE WHERE SUCH DEGRADING TAKES PLACE.

A SHRINKAGE FACTOR OF 20% WAS USED TO DETERMINE THE EXCESS AND BORROW QUANTITIES. SHRINKAGE FACTOR = 1.00/(1.00-0.20) = 1.0/0.80 = 1.25

COLUMN 5 = (COLUMN 3 + COLUMN 4) x 9
COLUMN 6 = COLUMN 1 + COLUMN 3
COLUMN 7 = COLUMN 2 - COLUMN 4
COLUMN 8 = COLUMN 7 x 1.25 (SHRINKAGE FACTOR)
COLUMN 9 = (COLUMN 3 + COLUMN 4) x 1.00 (SHRINKAGE FACTOR)
COLUMN 10 = COLUMN 6 - COLUMN 8 - COLUMN 9

EARTH EXCAVATION = COLUMN 6 - COLUMN 9
(PAY ITEM QUANTITY) = 68,800 CU YD

PIPE CULVERT REMOVAL table with columns: STATION, SIDE, DIAMETER, TYPE, FOOT.

AGGREGATE SHOULDERS, TYPE A table with columns: STATION TO STATION, SIDE, LENGTH, END AREA SQ FT, TON.

GUARDRAIL & APPURTENANCES table with columns: STATION TO STATION, SIDE, STEEL PLATE BEAM, TYPE 1, SPECIAL, TYPE 5, TERMINAL MARKER.

ENTRANCE PAVEMENT SCHEDULE table with columns: STATION, SIDE, AGGREGATE SURFACE COURSE, AGGREGATE BASE COURSE, INCIDENTAL BITUMINOUS SURFACING, BITUMINOUS MATERIALS.

PIPE CULVERT SCHEDULE table with columns: STATION, SIDE, TYPE, STANDARD, CS/A, RCCP, END SECTIONS.

TREE REMOVAL/DIAMETER table with columns: STATION, OFFSET FOOT, SIDE, 6 TO 15 UNITS DIA, OVER 15 UNITS DIA.

TREE REMOVAL/ACRE table with columns: STATION TO STATION, SIDE, AVERAGE WIDTH FEET, LENGTH FEET, ACRES.

REVISIONS table with columns: NAME, DATE.

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULES OF QUANTITIES

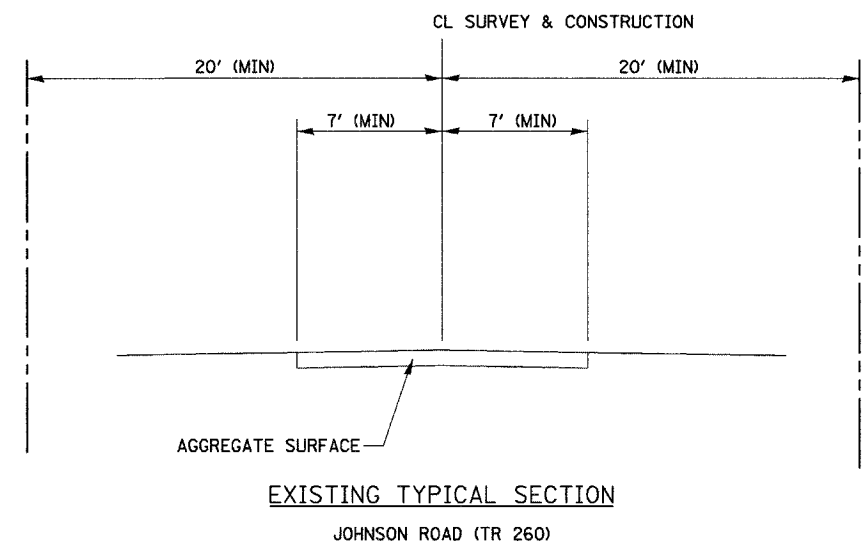
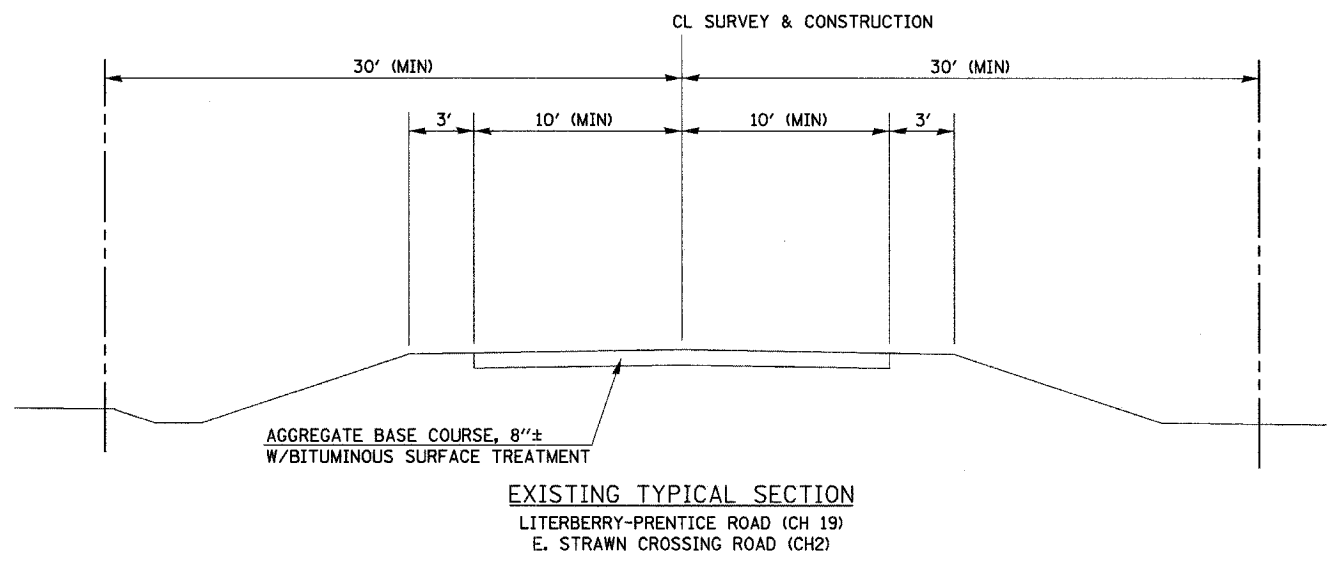
SCALE: DATE FEBRUARY, 2002

DRAWN BY JCG CHECKED BY JRB



RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 02-00088-00-BR		MORGAN	76	6
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

• COUNTY HIGHWAY 19 (FAS 611)  
**CONTRACT NO. 93388**



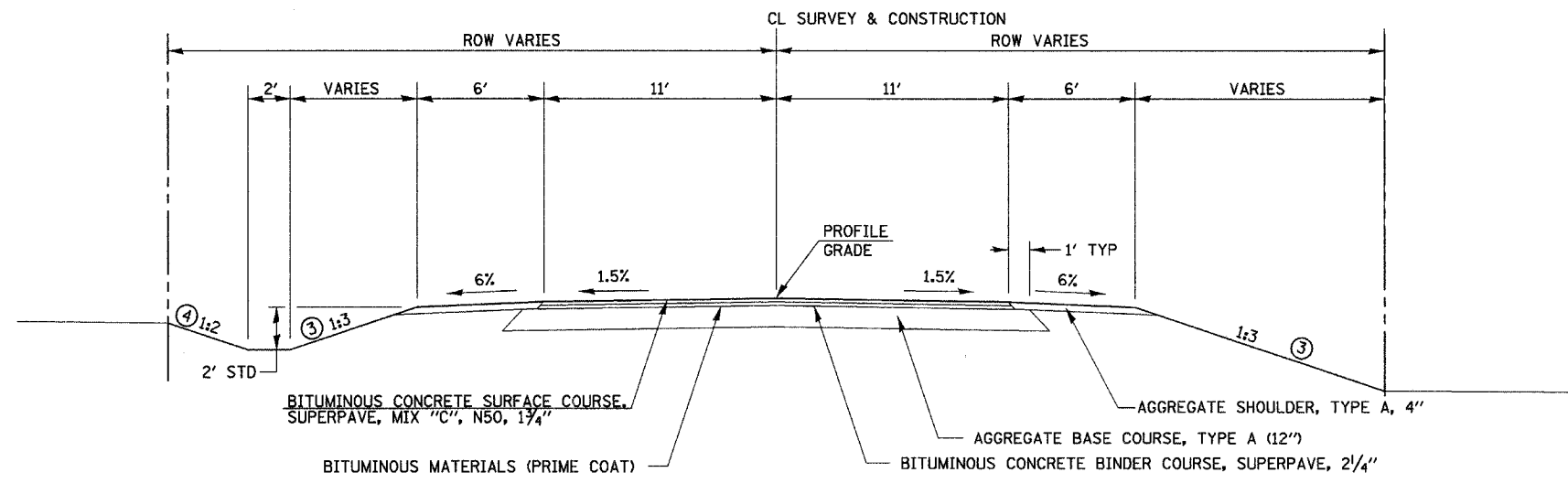
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
LITERBERRY-PRENTICE ROAD (CH 19)  
E. STRAWN CROSSING ROAD (CH 2)  
AND JOHNSON ROAD (TR 260)  
EXISTING TYPICAL SECTIONS

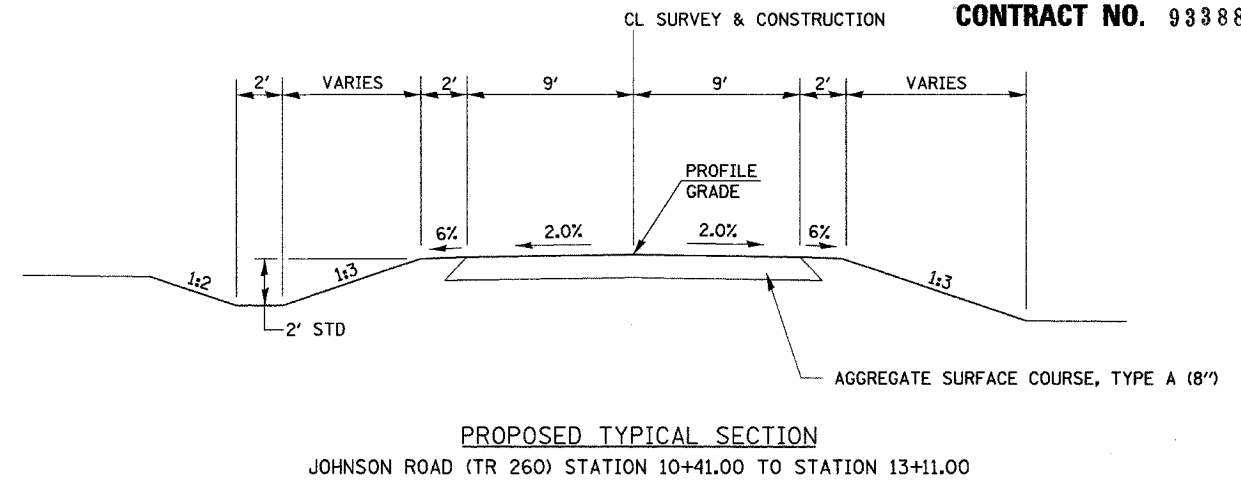
SCALE: \_\_\_\_\_ DATE \_\_\_\_\_  
DRAWN BY KLS  
CHECKED BY JRB

RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 02-00088-00-BR	MORGAN	76	7	
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

• COUNTY HIGHWAY 19 (FAS 611)  
**CONTRACT NO. 93388**

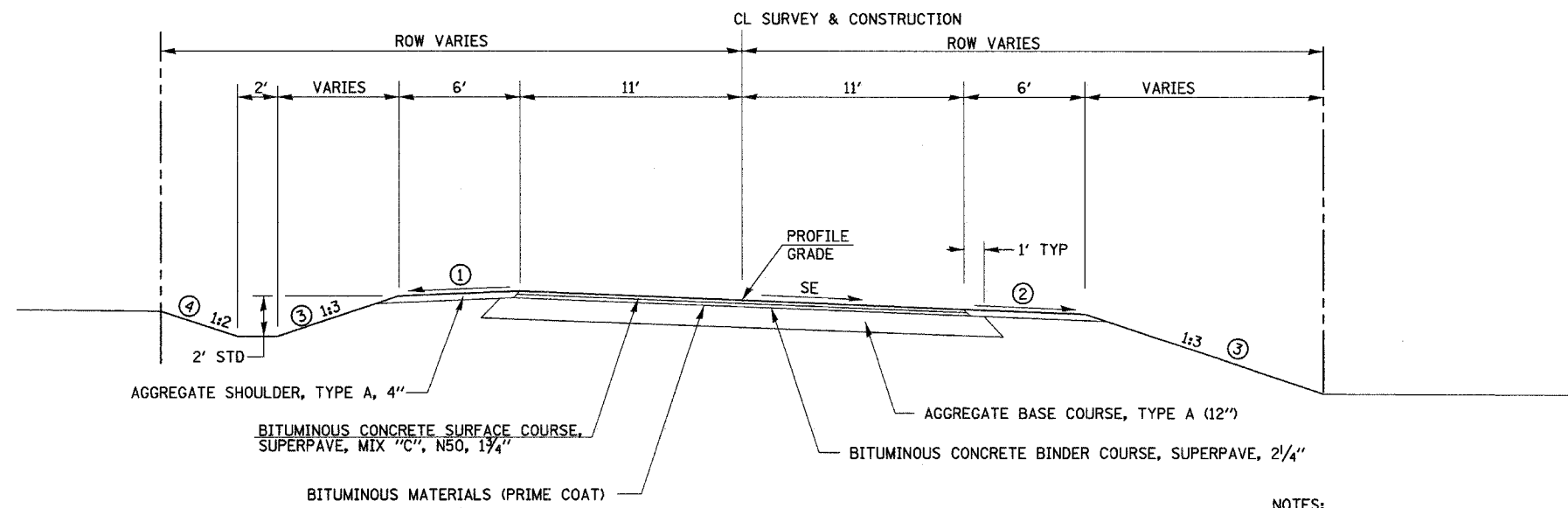


**PROPOSED TYPICAL SECTION**  
 LITERBERRY-PRENTICE ROAD (CH 19)  
 STATION 150+50.00 TO STATION 159+74.40  
 BRIDGE OMISSION STATION 159+74.40 TO STATION 162+17.98  
 STATION 173+77.01 TO STATION 173+94.26  
 STATION 186+12.47 TO STATION 186+50.00  
 E STRAWN CROSSING ROAD (CH 2)  
 STATION 37+05.00 TO STATION 46+07.75  
 STATION 52+79.89 TO STATION 54+22.03



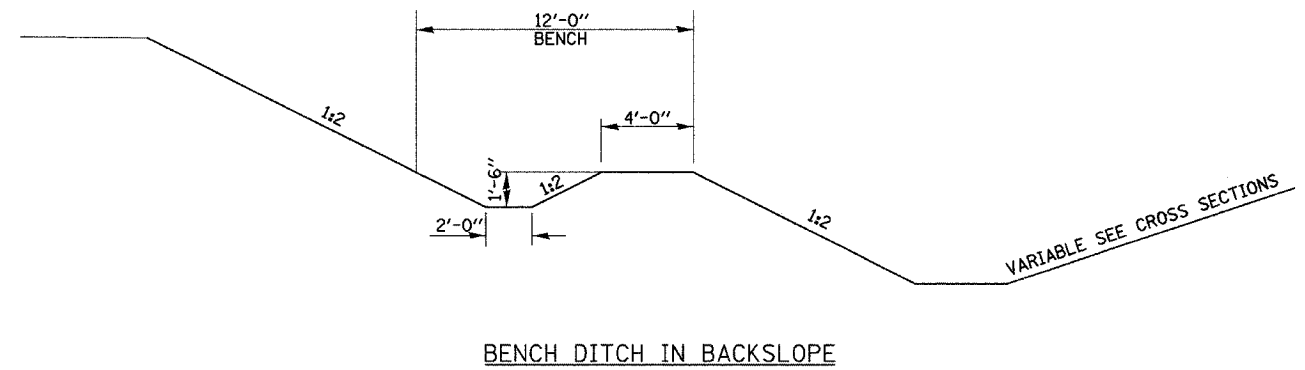
**PROPOSED TYPICAL SECTION**  
 JOHNSON ROAD (TR 260) STATION 10+41.00 TO STATION 13+11.00

NOTE: THE PROPOSED CH 19 PAVEMENT SHALL BE CONSTRUCTED THROUGH THE TR 260 INTERSECTION TO THE BACK OF RETURNS AT STATION 10+41.



**PROPOSED TYPICAL SUPERELEVATION SECTION**  
 LITERBERRY-PRENTICE ROAD (CH 19)  
 CURVE LEFT  
 STATION 161+91.68 TO STATION 163+81.68 SE TRANSITION (PARTIALLY ON BRIDGE)  
 STATION 163+81.68 TO STATION 171+87.01 8% SE  
 STATION 171+87.01 TO STATION 173+77.01 SE TRANSITION  
 CURVE RIGHT  
 STATION 173+94.26 TO STATION 175+84.26 SE TRANSITION  
 STATION 175+84.26 TO STATION 184+22.47 8% SE  
 STATION 184+22.47 TO STATION 186+12.47 SE TRANSITION  
 E STRAWN CROSSING ROAD (CH 2)  
 CURVE LEFT  
 STATION 46+07.75 TO STATION 47+97.05 SE TRANSITION  
 STATION 47+97.05 TO STATION 50+89.89 8% SE  
 STATION 50+89.89 TO STATION 52+79.89 SE TRANSITION

- NOTES:**
- HIGH SIDE  
6% & VARIES, 10% MAXIMUM BREAKOVER.
  - LOW SIDE  
6% OR SE, WHICHEVER IS GREATER.
  - FOR FILL HEIGHTS > 10' USE 1:2.
  - FOR CUT DEPTHS > 15' USE BENCH DITCH IN BACKSLOPE.
  - IN GUARDRAIL LOCATIONS, WIDEN SHOULDER BY 3'-3".



**BENCH DITCH IN BACKSLOPE**

**STRUCTURAL DESIGN INFORMATION**  
 COUNTY HIGHWAY 19 (FAS 611)

ROAD CLASSIFICATION: CLASS III (80,000 lb)  
 STRUCTURAL DESIGN TRAFFIC (2014):  
 PV = 283 SU = 23 MU = 17  
 PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:  
 P = 50% S = 50% M = 50%

MINIMUM SUBGRADE SUPPORT RATING: IBR = 3.0  
 FLEXIBLE PAVEMENT DESIGN: MINIMUM TF = 0.091  
 BIT CONC SURFACE COURSE, SUPERPAVE, MIX "C", N50, 1 3/4"  
 BIT CONC BINDER COURSE, SUPERPAVE 2 1/4"  
 AGGREGATE BASE COURSE, TYPE A, 12"

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 LITERBERRY-PRENTICE ROAD (CH 19)  
 E. STRAWN CROSSING ROAD (CH 2)  
 AND JOHNSON ROAD (TR 260)  
 PROPOSED TYPICAL SECTIONS

SCALE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

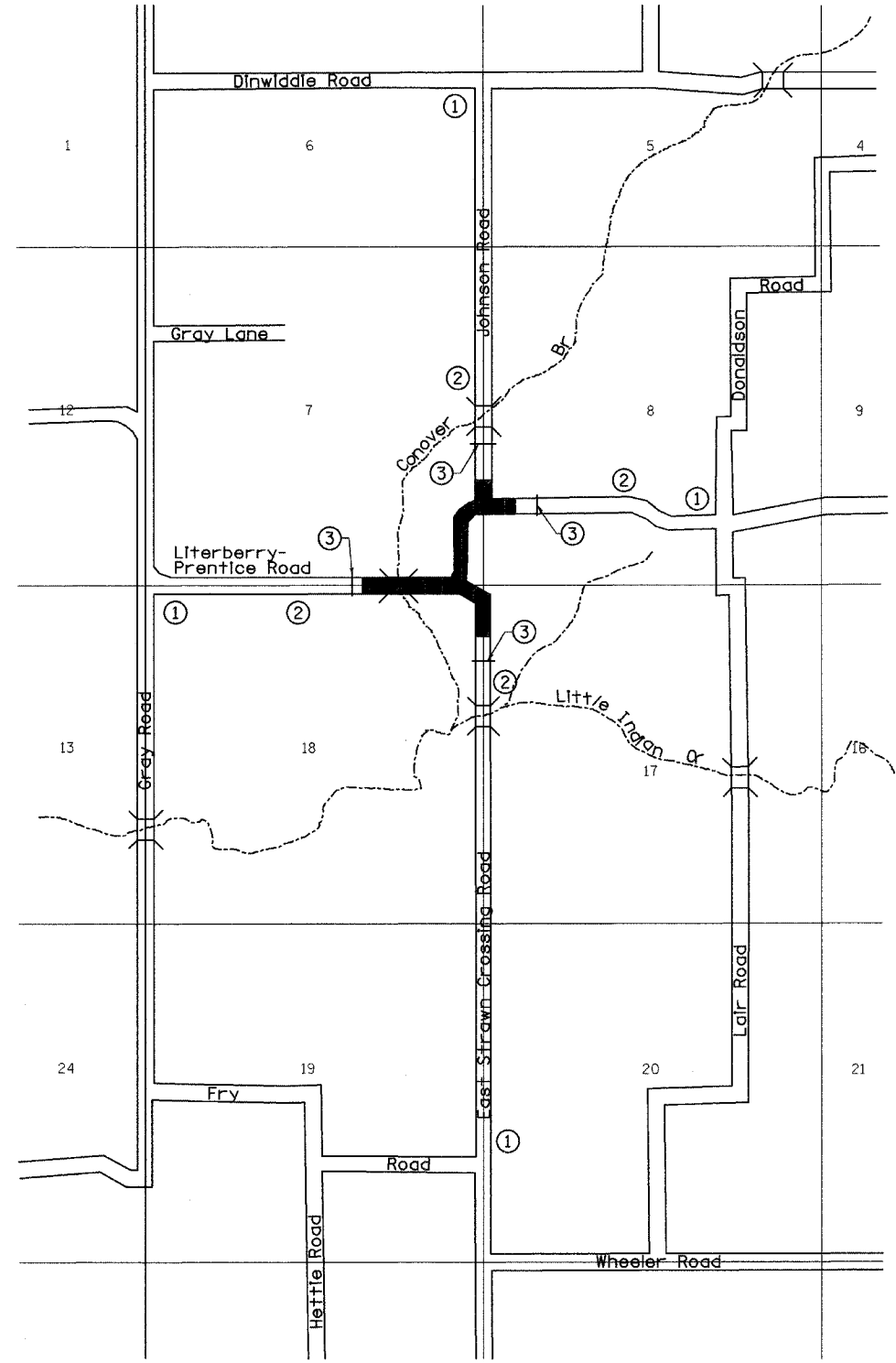
DRAWN BY KLS  
 CHECKED BY JRB

RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* 02-00088-00-BR	MORGAN	76	8	
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

\* COUNTY HIGHWAY 19 (FAS 611)  
**CONTRACT NO. 93388**

T 16 N, R 10 W, 3rd PM

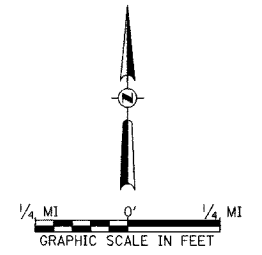
T 16 N, R 9 W, 3rd PM



- ① ROAD CLOSED AHEAD  
W20-3
  - ② ROAD CLOSED 500 FT  
W20-3
  - ③ TYPE III BARRICADES
- SEE STANDARD BLR 21 AND SPECIAL PROVISIONS
- WORK AREA

T 16 N, R 10 W, 3rd PM

T 16 N, R 9 W, 3rd PM



REVISIONS	
NAME	DATE

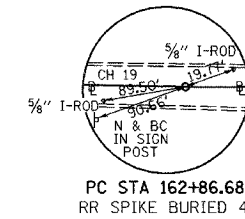
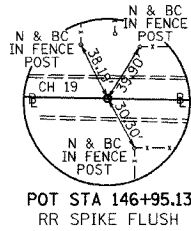
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 COUNTY HIGHWAY 19 (FAS 611)  
 TRAFFIC CONTROL PLAN

SCALE: VERT. NONE  
 HORIZ. NONE  
 DATE FEBRUARY, 2002

DRAWN BY KLS  
 CHECKED BY JRB



SEC 7, T 16 N, R 9 W, 3RD PM



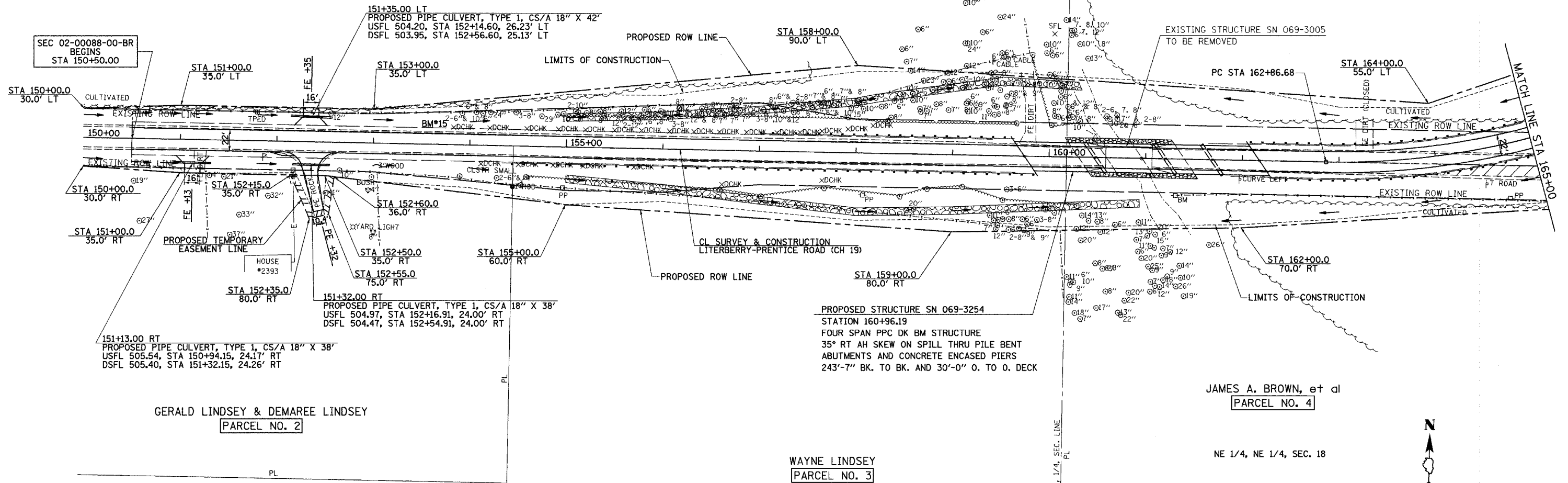
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 19	02-00088-00-BR	MORGAN	76	9
STA. 150+00		TO STA. 165+00		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		
* COUNTY HIGHWAY 19 (FAS 611)				
<b>CONTRACT NO.</b>		<b>93388</b>		

SW 1/4, SE 1/4, SEC. 7

JAMES A. BROWN, et al  
PARCEL NO. 1

JOHN RING & LINDA RING  
PARCEL NO. 5

**CURVE CH19-3**  
 P.I. STA 168+44.27  
 $\Delta = 72^\circ 10' 28''$  (LT)  
 $D = 07^\circ 29' 23''$   
 $R = 765.00'$   
 $T = 557.59'$   
 $L = 963.66'$   
 $E = 181.64'$   
 $\theta = 8.07'$   
 P.C. STA 162+86.68  
 P.T. STA 172+50.34  
 SE = ATTAINED STA 161+91.68 TO STA 163+81.68  
 SE = REMOVED STA 171+87.01 TO STA 173+77.01

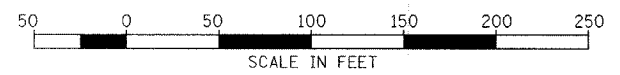


GERALD LINDSEY & DEMAREE LINDSEY  
PARCEL NO. 2

JAMES A. BROWN, et al  
PARCEL NO. 4

WAYNE LINDSEY  
PARCEL NO. 3

NW 1/4, NE 1/4, SEC. 18



BM\*16 - RR SPIKE IN POWER POLE, ±30' SOUTH OF THE C OF THE ROAD, AT THE S.E. QUAD OF LITERBERRY RD AND THE CONOVER BRANCH, ±2/6 MI. WEST OF WHEELER RD EL = 450.400

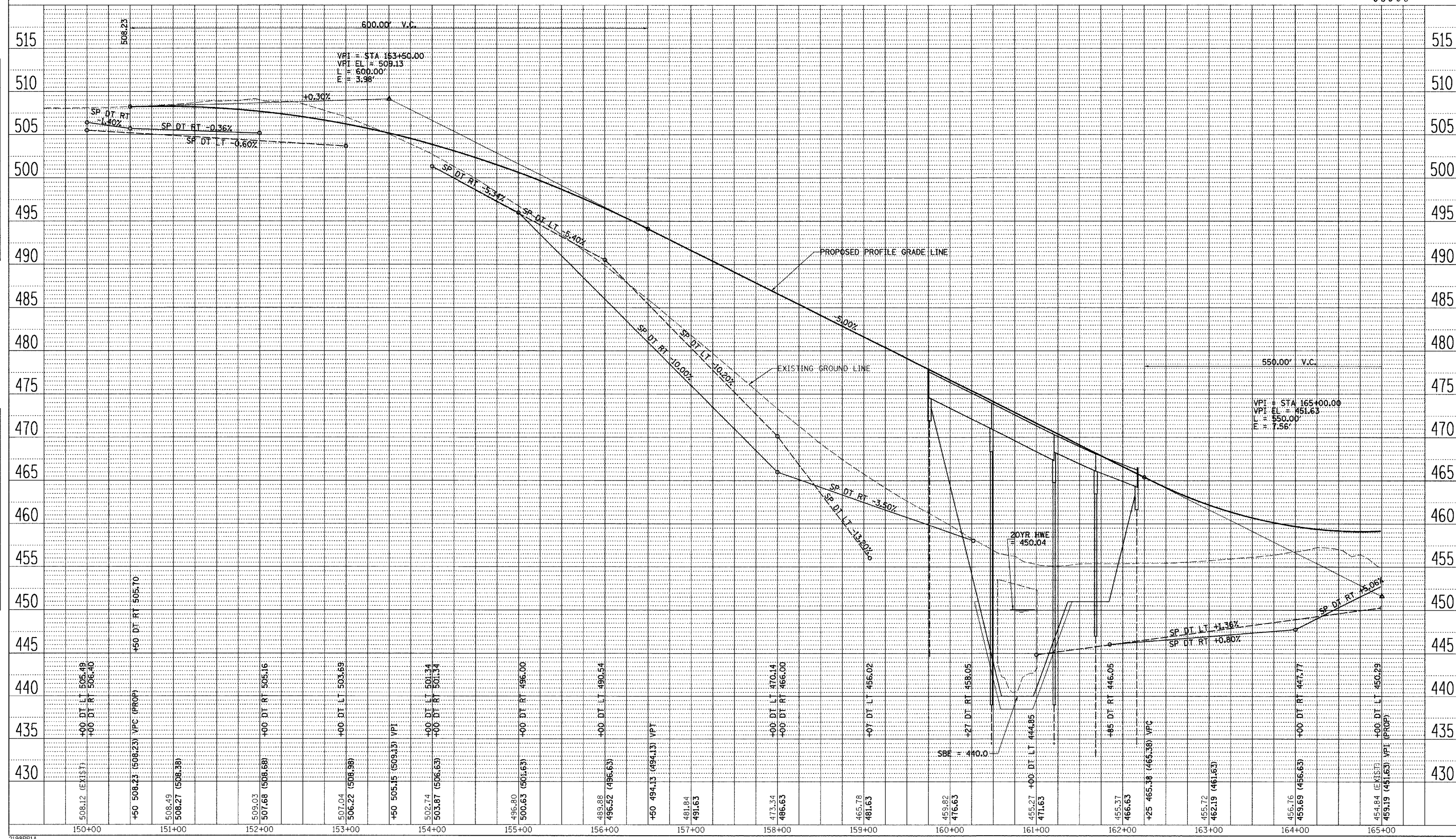
BM\*15 - CHISLED "□" ON CONCRETE DITCH CHECK, ±15' NORTH OF THE C OF THE ROAD, N.E. ACROSS THE ROAD FROM HO. \* 2393, ±2.8 MI. WEST OF WHEELER RD EL = 502.928

SEC 18, T 16 N, R 9 W, 3RD PM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**LITERBERRY-PRENTICE ROAD (CH 19)**  
 STA 150+00 TO STA 165+00  
 SCALE: VERT. \_\_\_\_\_  
 DATE \_\_\_\_\_  
 DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00088-00-BR		MORGAN	76	10
STA. 150+00		TO STA. 165+00		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
COUNTY HIGHWAY 19 (FAS 611)				
<b>CONTRACT NO. 93388</b>				



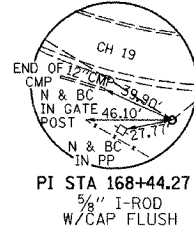
DATE	BY
SURVEYED	
ALIGNMENT CHECKED	
RT. OF WAY CHECKED	
NO. FILE NAME	
NOTE BOOK	
NO.	

DATE	BY
PROFILE	
GRADES CHECKED	
B.M. NOTE	
STRUCTURE NOTATIONS OK'D	
NO.	

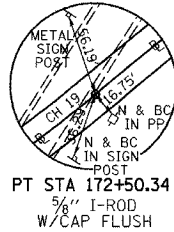
2198PP1A LITERBERRY-PRENTICE ROAD (CH 19), STA 150+00 TO STA 165+00

SEC 7, T 16 N, R 9 W, 3RD PM

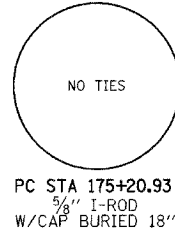
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00088-00-BF		MORGAN	76	11
STA. 165+00		TO STA. 180+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
COUNTY HIGHWAY 19 (FAS 611)				
<b>CONTRACT NO. 93388</b>				



JOHN RING & LINDA RING  
PARCEL NO. 5



PT STA 172+50.34  
5/8" I-ROD  
W/CAP FLUSH



PC STA 175+20.93  
5/8" I-ROD  
W/CAP BURIED 18"

SE 1/4, SE 1/4, SEC 7

**CURVE CH19-3**  
P.I. STA 168+44.27  
 $\Delta = 72^\circ 10' 28''$  (LT)  
D =  $07^\circ 29' 23''$   
R = 765.00'  
T = 557.59'  
L = 963.66'  
E = 181.64'  
 $\theta = 8.0\%$   
P.C. STA 162+86.68  
P.T. STA 172+50.34  
SE = ATTAINED STA 161+91.68 TO STA 163+81.68  
SE = REMOVED STA 171+87.01 TO STA 173+77.01

STA 175+60.00 LT  
PROPOSED PIPE CULVERT, TYPE 2, CS/A 18" X 72"  
USFL 497.58, STA 175+95.58, 46.85' LT  
DSFL 497.29, STA 175+23.58, 41.64' LT

STA 175+20.93  
60.0' LT  
STA 174+99.2  
60.0' LT

① STA 166+00.00 LT  
PROPOSED PIPE CULVERT, TYPE 2, CS/A 18" X 58"  
USFL 457.13, STA 166+24.38, 34.93' LT  
DSFL 453.94, STA 165+66.38, 41.17' LT

DEGRADE EXISTING ROADWAY  
(SEE CROSS SECTION)

PROPOSED TEMPORARY  
EASEMENT LINE

STA 180+00.0  
60.0' LT

STA 179+00.0  
45.0' RT

STA 177+00.0  
60.0' RT

PC STA 175+20.93

STA 173+00.0  
60.0' LT

STA 175+00.0  
50.0' RT

LIMITS OF CONSTRUCTION

STA 171+00.0  
85.0' LT

PROPOSED ROW LINE

POC STA 169+69.00 LITERBERRY-PRENTICE ROAD (CH 19) =  
POT STA 55+15.23 E STRAWN CROSSING ROAD (CH 2)  
SEE INTERSECTION DETAIL

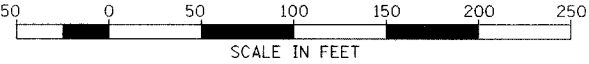
CL SURVEY & CONSTRUCTION  
LITERBERRY-PRENTICE ROAD (CH 19)

**CURVE CH19-4**  
P.I. STA 180+79.44  
 $\Delta = 72^\circ 15' 53''$  (RT)  
D =  $07^\circ 29' 23''$   
R = 765.00'  
T = 558.51'  
L = 964.86'  
E = 182.18'  
 $\theta = 8.0\%$   
P.C. STA 175+20.93  
P.T. STA 184+85.80  
SE = ATTAINED STA 173+94.26 TO STA 175+84.26  
SE = REMOVED STA 184+22.47 TO STA 186+12.47

JOHN A. RING & LINDA RING  
PARCEL NO. 5

SW 1/4, SW 1/4, SEC 8

SEC 8, T 16 N, R 9 W, 3RD PM



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
LITERBERRY-PRENTICE ROAD (CH 19)  
STA 165+00 TO STA 180+00

SCALE: VERT. \_\_\_\_\_  
HORIZ. \_\_\_\_\_  
DATE \_\_\_\_\_  
DRAWN BY \_\_\_\_\_  
CHECKED BY \_\_\_\_\_

BM#17 - RR SPIKE IN POWER POLE ±30' S.E. OF THE  
C. OF THE ROAD, AT THE S.E. QUAD OF LITERBERRY  
RD AND E STRAWNS CROSSING RD, ±2.4 MI. WEST  
OF WHEELER RD  
EL = 499.108

SEC 18, T 16 N, R 9 W, 3RD PM

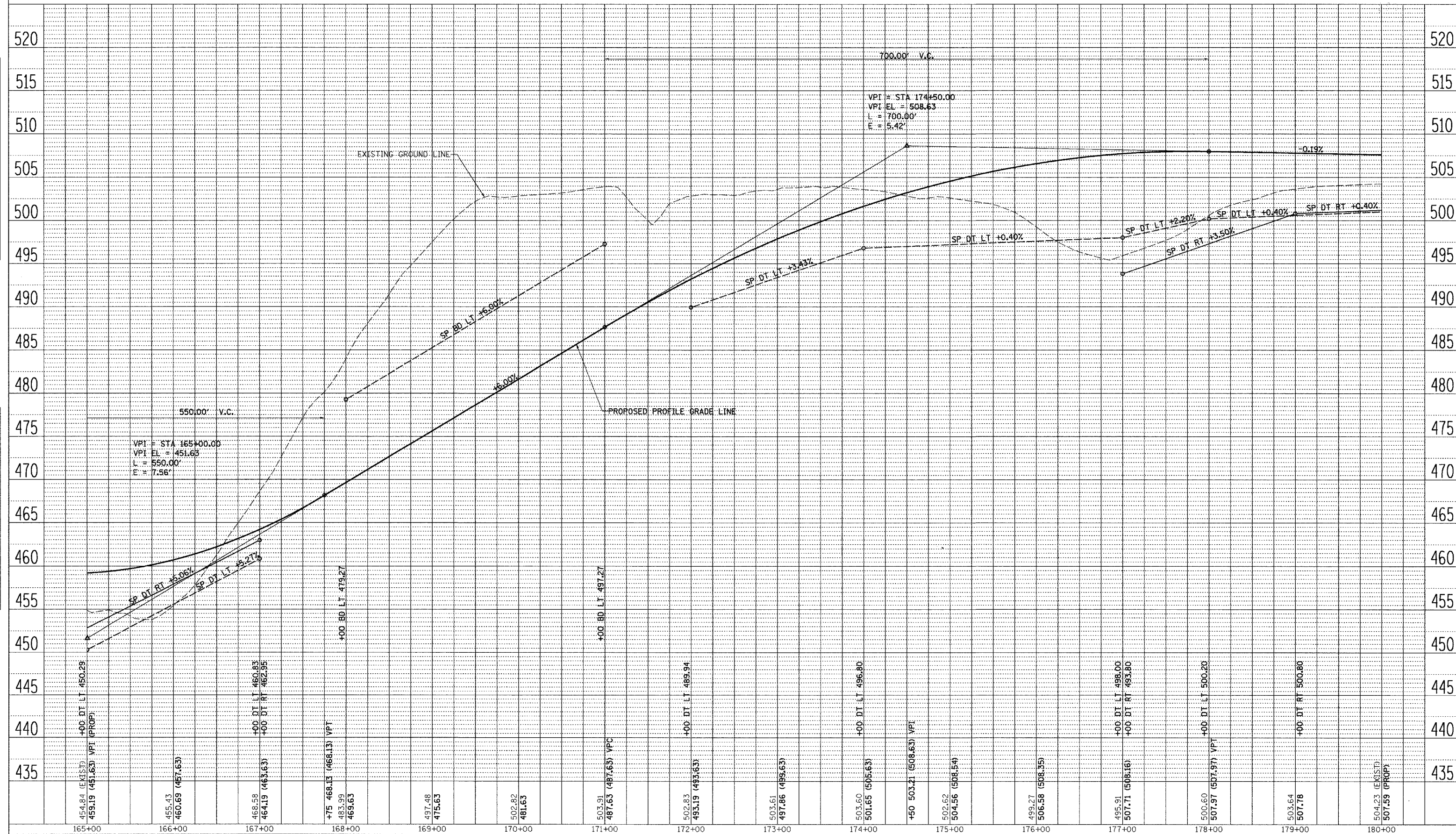
JAMES A. BROWN, et al  
PARCEL NO. 4

F.A. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 02-00088-00-BF	MORGAN	76	12	
STA. 165+00		TO STA. 180+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• COUNTY HIGHWAY 19 (FAS 611)				
<b>CONTRACT NO. 93388</b>				

PLAN	DATE
BY	
NO.	
FILE NAME	

PROFILE	DATE
BY	
NO.	
FILE NAME	

PROFILE	DATE
BY	
NO.	
FILE NAME	

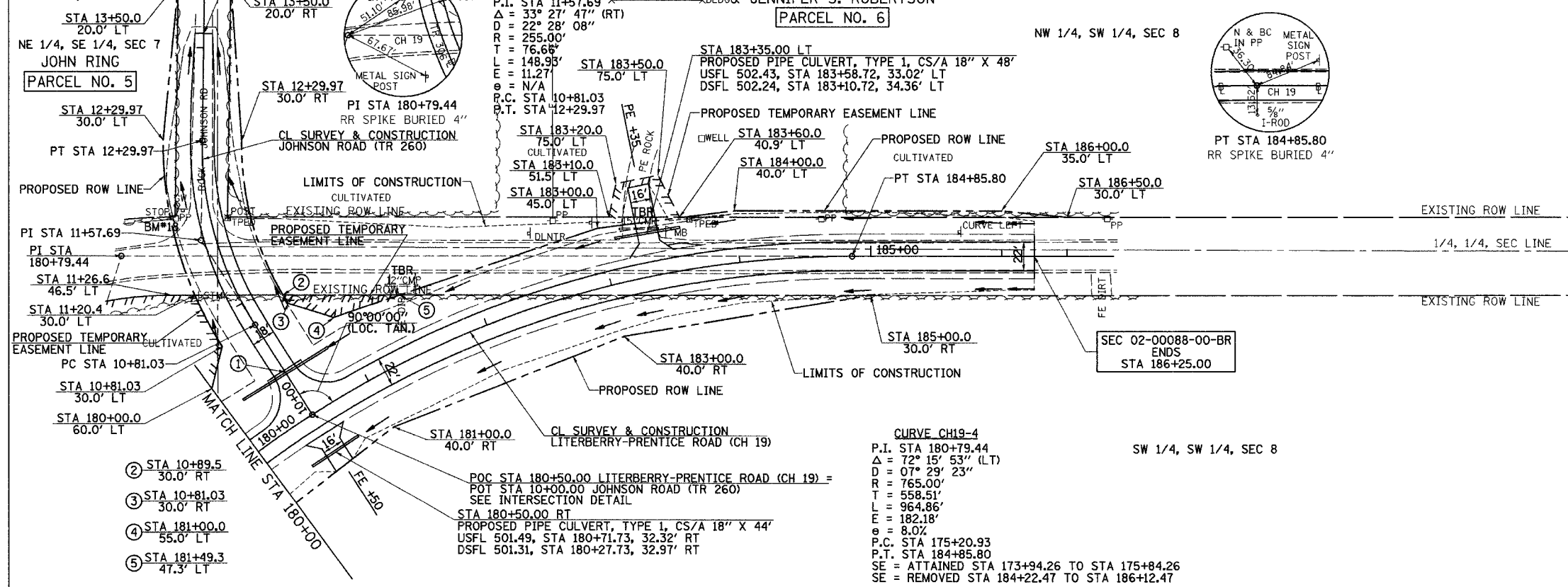


2198PP2A LITERBERRY-PRENTICE ROAD (CH 19), STA 165+00 TO STA 180+00

SEC 7, T 16 N,  
R 9 W, 3RD PM

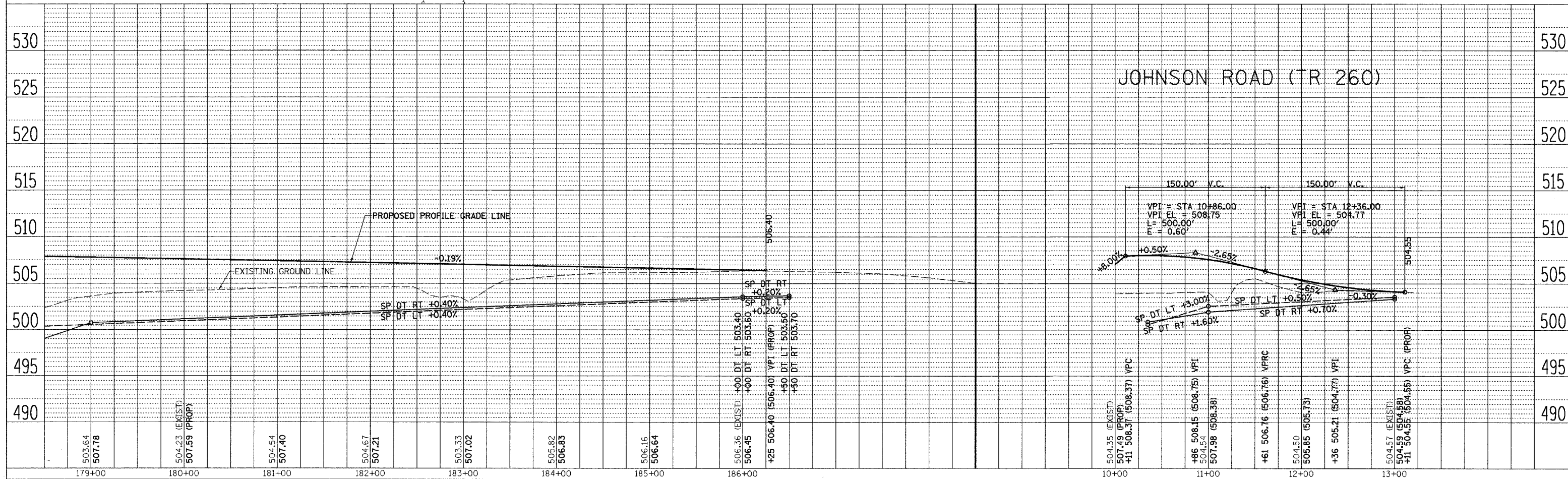
SEC 8, T 16 N, R 9 W, 3RD PM

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00088-00-BR		MORGAN	76	13
STA. 180+00		TO STA. 186+25		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
		COUNTY HIGHWAY 19 (FAS 611)		
<b>CONTRACT NO. 93388</b>				



- ① STA 180+50.00 LT  
PROPOSED PIPE CULVERT, TYPE 2, CS/A 18" X 72"  
USFL 501.34, STA 180+85.58, 37.68' LT  
DSFL 501.05, STA 180+13.58, 38.99' LT
  - ② STA 10+89.5  
30.0' RT
  - ③ STA 10+81.03  
30.0' RT
  - ④ STA 181+00.0  
55.0' LT
  - ⑤ STA 181+49.3  
47.3' LT
- BM#18 - RR SPIKE IN POWER POLE ±30' NORTH OF JOHN RING & LINDA RING  
C RD, ±2.1 MI. WEST OF WHEELER ROAD @ THE  
N.W. QUAD OF LITERBERRY RD & JOHNSON RD  
EL = 506.122

SEC 8, T 16 N, R 9 W, 3RD PM



LITERBERRY-PRENTICE ROAD (CH 19), STA 180+00 TO STA 186+25

SEC 18, T 16 N, R 9 W, 3RD PM

ROY E. WARD & OPAL LOU WARD  
PARCEL NO. 7

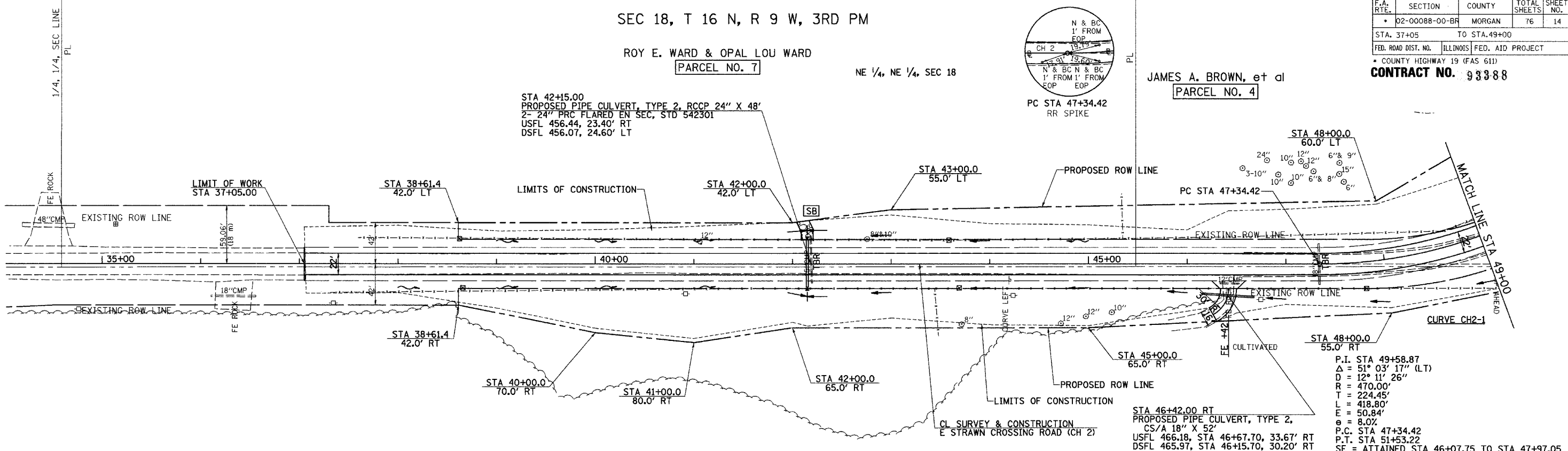
NE 1/4, NE 1/4, SEC 18

PC STA 47+34.42  
RR SPIKE

JAMES A. BROWN, et al  
PARCEL NO. 4

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	D2-00088-00-BF	MORGAN	76	14
STA. 37+05		TO STA. 49+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* COUNTY HIGHWAY 19 (FAS 611)				
<b>CONTRACT NO. 93388</b>				

STA 42+15.00  
PROPOSED PIPE CULVERT, TYPE 2, RCCP 24" X 48"  
2'-24" PRC FLARED EN SEC, STD 542301  
USFL 456.44, 23.40' RT  
DSFL 456.07, 24.60' LT



EDWARD L. WARD & ROGER L. WARD  
PARCEL NO. 8

NW 1/4, NW 1/4, SEC 17

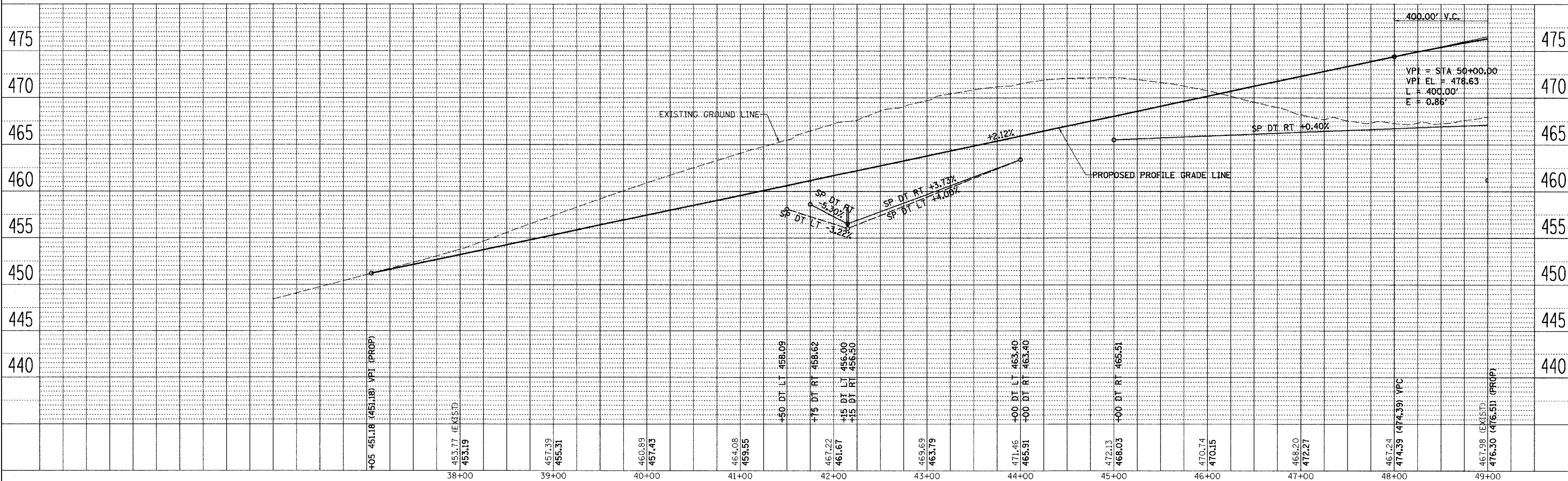
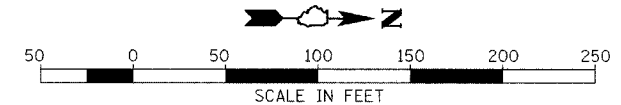
SEC 17, T 16 N, R 9 W, 3RD PM

STA 48+00.0  
60.0' LT

STA 45+00.0  
65.0' RT

STA 46+42.00 RT  
PROPOSED PIPE CULVERT, TYPE 2,  
CS/A 18" X 52"  
USFL 466.18, STA 46+67.70, 33.67' RT  
DSFL 465.97, STA 46+15.70, 30.20' RT

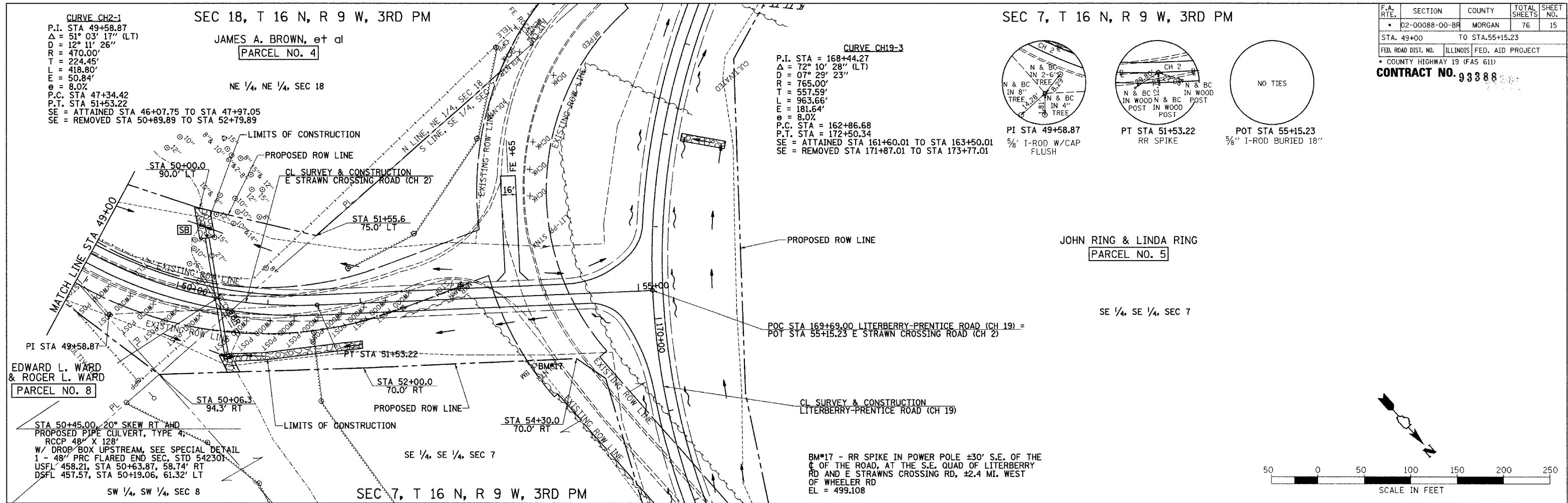
P.I. STA 49+58.87  
Δ = 51° 03' 17" (LT)  
D = 12° 11' 26"  
R = 470.00'  
L = 224.45'  
T = 418.80'  
E = 50.84'  
e = 8.0%  
P.C. STA 47+34.42  
P.T. STA 51+53.22  
SE = ATTAINED STA 46+07.75 TO STA 47+97.05  
SE = REMOVED STA 50+89.89 TO STA 52+79.89



E STRAWN CROSSING ROAD (CH 2), STA 37+05 TO STA 49+00

DATE	
BY	
DATE	
BY	
DATE	
BY	
DATE	
BY	
DATE	
BY	

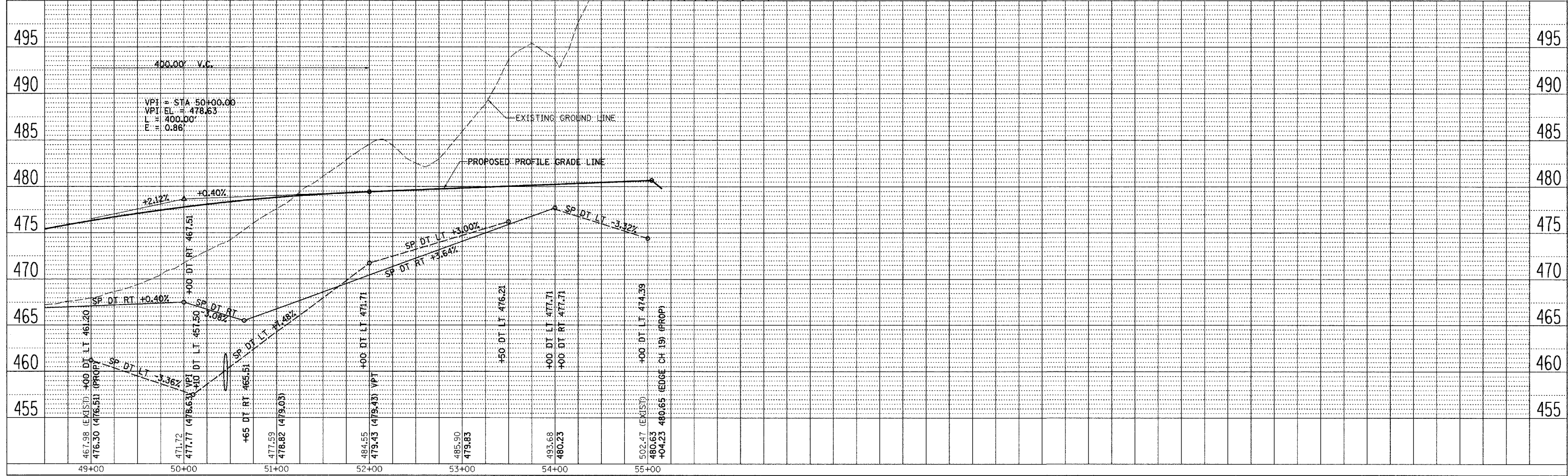
DATE	
BY	
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BY	
DATE	
BY	



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 02-00088-00-BR		MORGAN	76	15
STA. 49+00		TO STA. 55+15.23		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• COUNTY HIGHWAY 19 (FAS 611)				
<b>CONTRACT NO. 93388</b>				

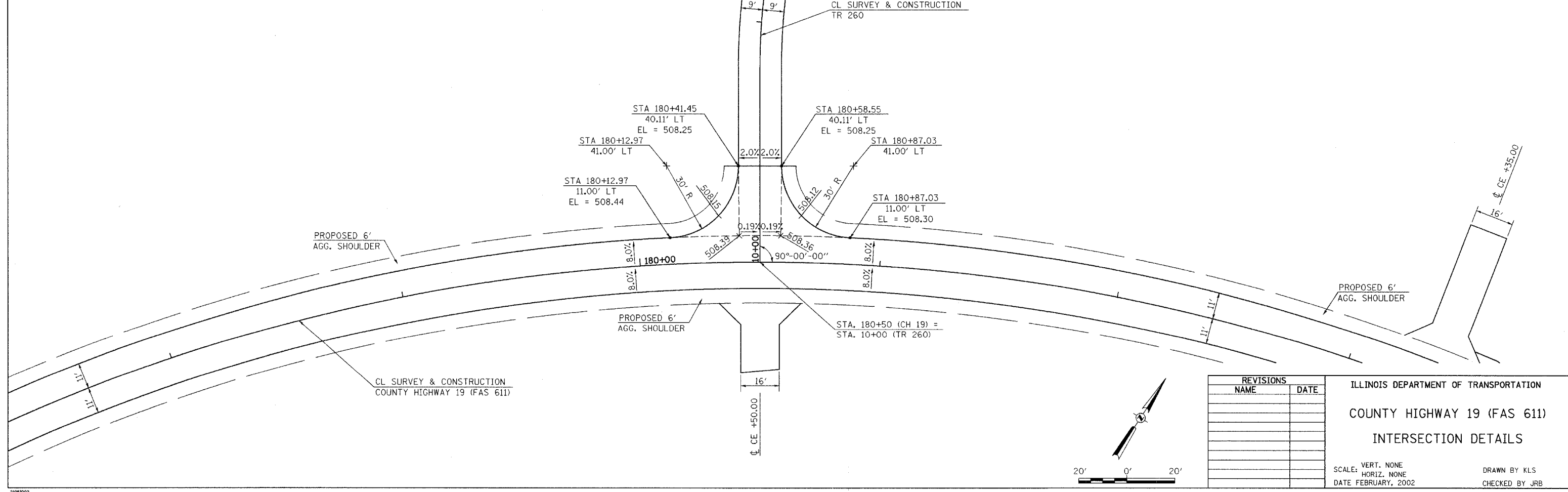
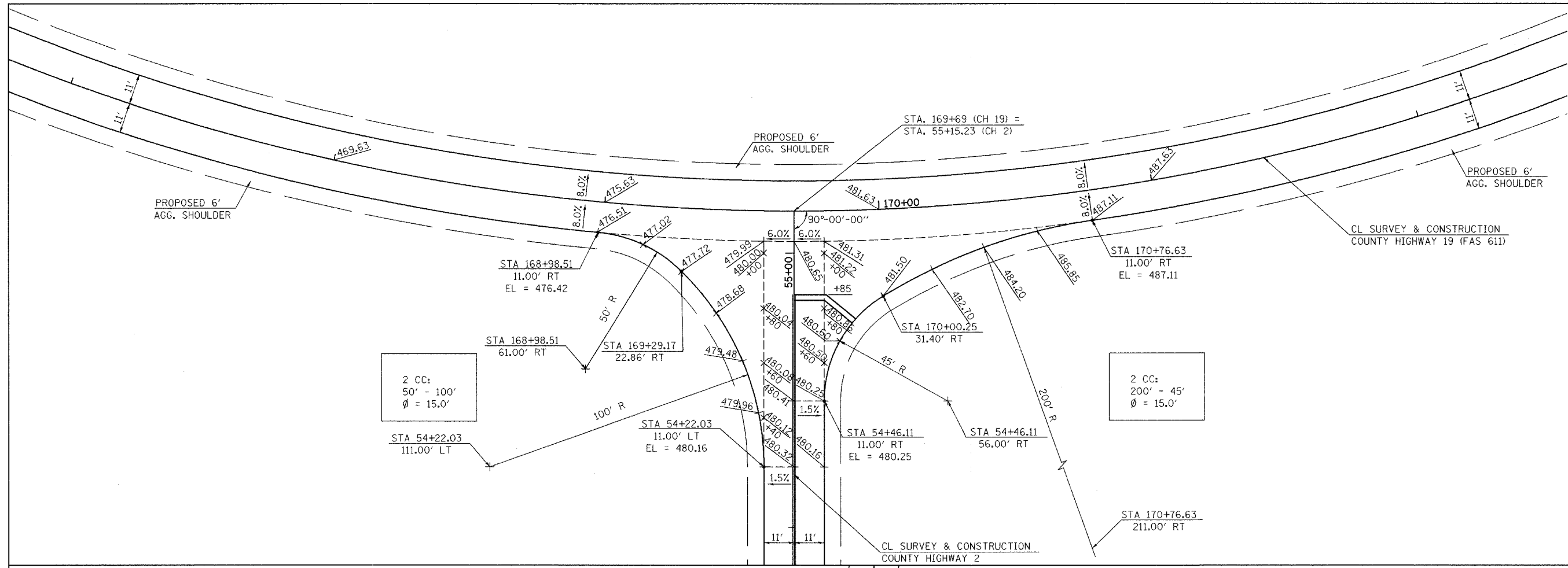
DATE	BY

DATE	BY



2198PP5 E STRAWN CROSSING ROAD (CH 2), STA 49+00 TO STA 55+15.23

RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* 02-00088-00-BF		MORGAN	76	16
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* COUNTY HIGHWAY 19 (FAS 611)				
<b>CONTRACT NO. 93388</b>				



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 COUNTY HIGHWAY 19 (FAS 611)  
 INTERSECTION DETAILS

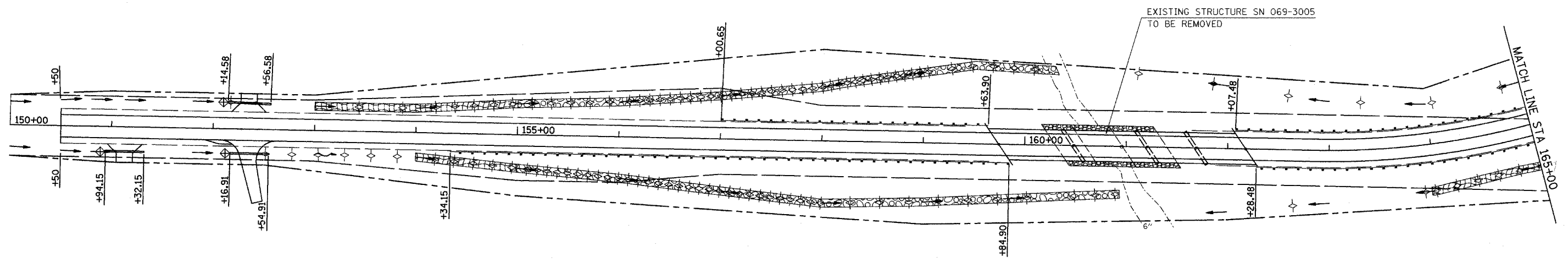
SCALE: VERT. NONE  
 HORIZ. NONE  
 DATE FEBRUARY, 2002

DRAWN BY KLS  
 CHECKED BY JRB



MORGAN COUNTY  
 SEC 7, T 16 N, R 9 W, 3RD PM

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• D2-00088-00-BR	MORGAN	76	17	
STA. 150+50		TO STA. 165+00		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		
• COUNTY HIGHWAY 19 (FAS 611)				
<b>CONTRACT NO. 93388</b>				

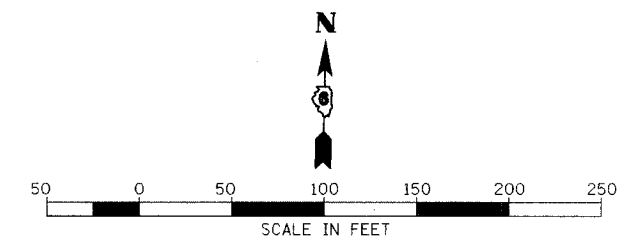


**LEGEND**

- PERIMETER EROSION BARRIER
- EROSION CONTROL BLANKET
- AGGREGATE DITCH
- TEMPORARY DITCH CHECK
- INLET & PIPE PROTECTION
- STANDARD DITCH - FLOW LINE AND DIRECTION
- SPECIAL DITCH - FLOW LINE AND DIRECTION
- PROPOSED RIPRAP PLACEMENT

NOTE: TEMPORARY EROSION CONTROL SEEDING SHALL BE DONE IN ACCORDANCE WITH ARTICLE 280.04 OF THE STANDARD SPECIFICATIONS.









SEC 18, T 16 N, R 9 W, 3RD PM

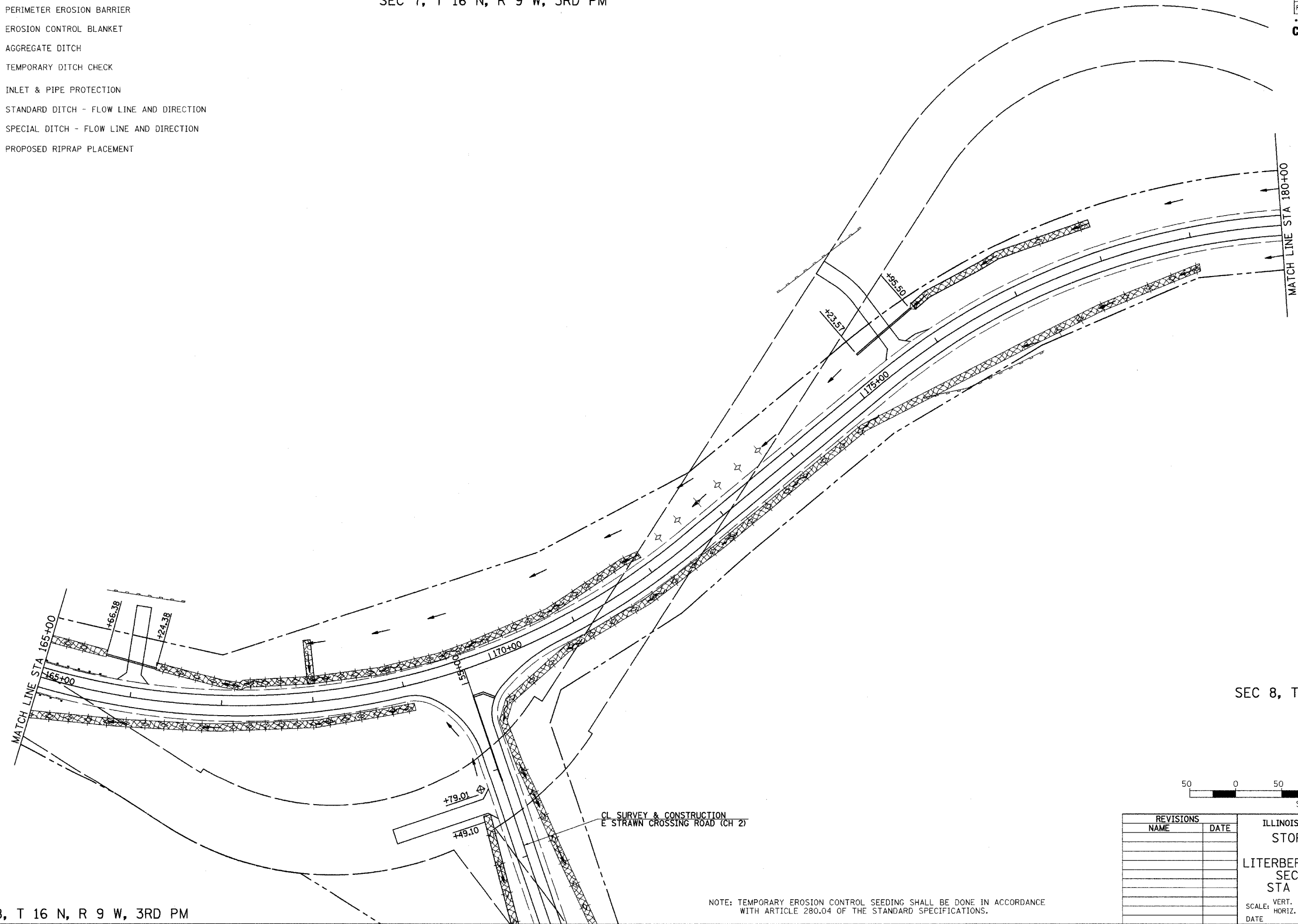


REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION STORM WATER POLLUTION PREVENTION PLAN LITERBERRY-PRENTICE ROAD (CH 19) SECTION 02-00088-00-BR STA 150+50 TO STA 165+00
NAME	DATE	
		SCALE: VERT. HORIZ. DATE
DRAWN BY		CHECKED BY

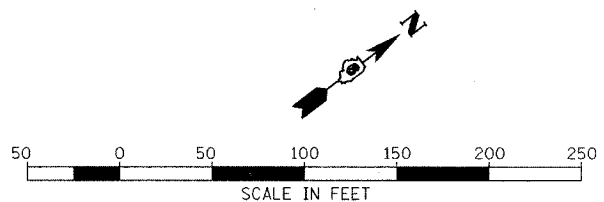
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	D2-00088-00-BR	MORGAN	76	18
STA. 165+00		TO STA. 180+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* COUNTY HIGHWAY 19 (FAS 611)				
<b>CONTRACT NO. 93388</b>				

MORGAN COUNTY  
SEC 7, T 16 N, R 9 W, 3RD PM

- LEGEND**
-  PERIMETER EROSION BARRIER
  -  EROSION CONTROL BLANKET
  -  AGGREGATE DITCH
  -  TEMPORARY DITCH CHECK
  -  INLET & PIPE PROTECTION
  -  STANDARD DITCH - FLOW LINE AND DIRECTION
  -  SPECIAL DITCH - FLOW LINE AND DIRECTION
  -  PROPOSED RIPRAP PLACEMENT



SEC 8, T 16 N, R 9 W, 3RD PM



SEC 18, T 16 N, R 9 W, 3RD PM

21985002

NOTE: TEMPORARY EROSION CONTROL SEEDING SHALL BE DONE IN ACCORDANCE WITH ARTICLE 280.04 OF THE STANDARD SPECIFICATIONS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**STORM WATER POLLUTION PREVENTION PLAN**  
 LITERBERRY-PRENTICE ROAD (CH 19)  
 SECTION 02-00088-00-BR  
 STA 165+00 TO STA 180+00

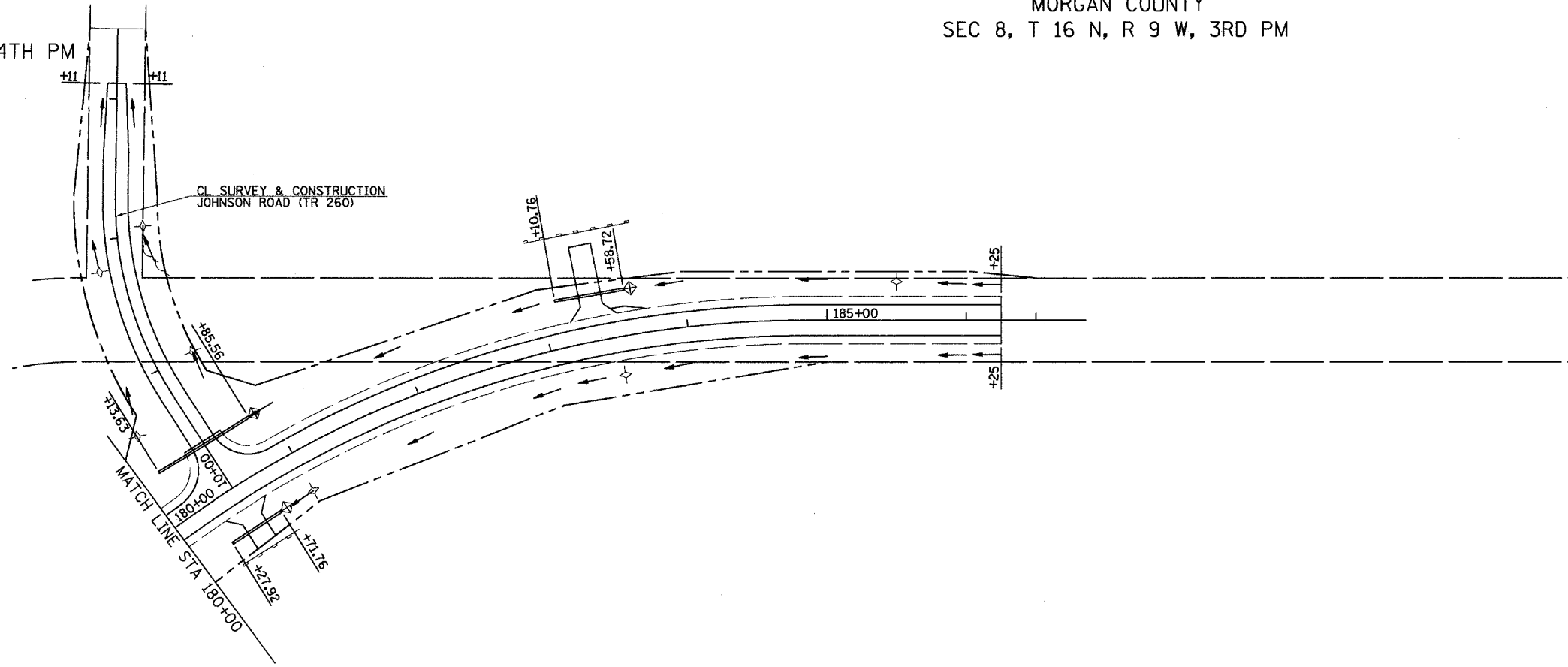
SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_  
 DATE \_\_\_\_\_

DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 02-00088-00-BR	MORGAN	MORGAN	76	19
STA. 165+00		TO STA. 180+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• COUNTY HIGHWAY 19 (FAS 611)				
<b>CONTRACT NO. 93388</b>				

SEC 7, T 16 N, R 9 W, 4TH PM

MORGAN COUNTY  
SEC 8, T 16 N, R 9 W, 3RD PM

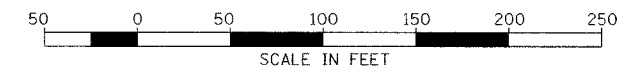


SEC 8, T 16 N, R 9 W, 3RD PM

**LEGEND**

- PERIMETER EROSION BARRIER
- EROSION CONTROL BLANKET
- AGGREGATE DITCH
- TEMPORARY DITCH CHECK
- INLET & PIPE PROTECTION
- STANDARD DITCH - FLOW LINE AND DIRECTION
- SPECIAL DITCH - FLOW LINE AND DIRECTION
- PROPOSED RIPRAP PLACEMENT

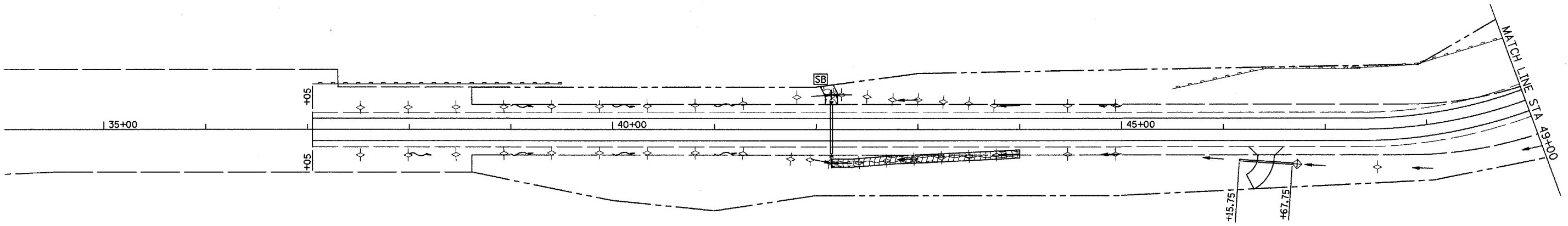
NOTE: TEMPORARY EROSION CONTROL SEEDING SHALL BE DONE IN ACCORDANCE WITH ARTICLE 280.04 OF THE STANDARD SPECIFICATIONS.



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION STORM WATER POLLUTION PREVENTION PLAN LITERBERRY-PRENTICE ROAD (CH 19) SECTION 02-00088-00-BR STA 180+00 TO STA 186+25
NAME	DATE	
		SCALE: VERT. HORIZ. DATE
DRAWN BY		CHECKED BY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 02-00088-00-BR		MORGAN	76	20
STA. 165+00		TO STA. 180+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• COUNTY HIGHWAY 19 (FAS 611)				
<b>CONTRACT NO. 93388</b>				

MORGAN COUNTY  
SEC 18, T 16 N, R 9 W, 3RD PM

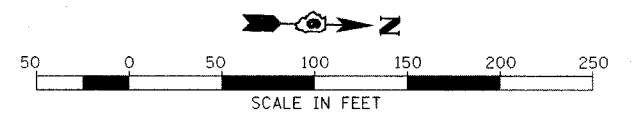


SEC 17, T 16 N, R 9 W, 3RD PM

**LEGEND**

- PERIMETER EROSION BARRIER
- EROSION CONTROL BLANKET
- AGGREGATE DITCH
- TEMPORARY DITCH CHECK
- INLET & PIPE PROTECTION
- STANDARD DITCH - FLOW LINE AND DIRECTION
- SPECIAL DITCH - FLOW LINE AND DIRECTION
- PROPOSED RIPRAP PLACEMENT

NOTE: TEMPORARY EROSION CONTROL SEEDING SHALL BE DONE IN ACCORDANCE WITH ARTICLE 280.04 OF THE STANDARD SPECIFICATIONS.



REVISIONS	
NAME	DATE

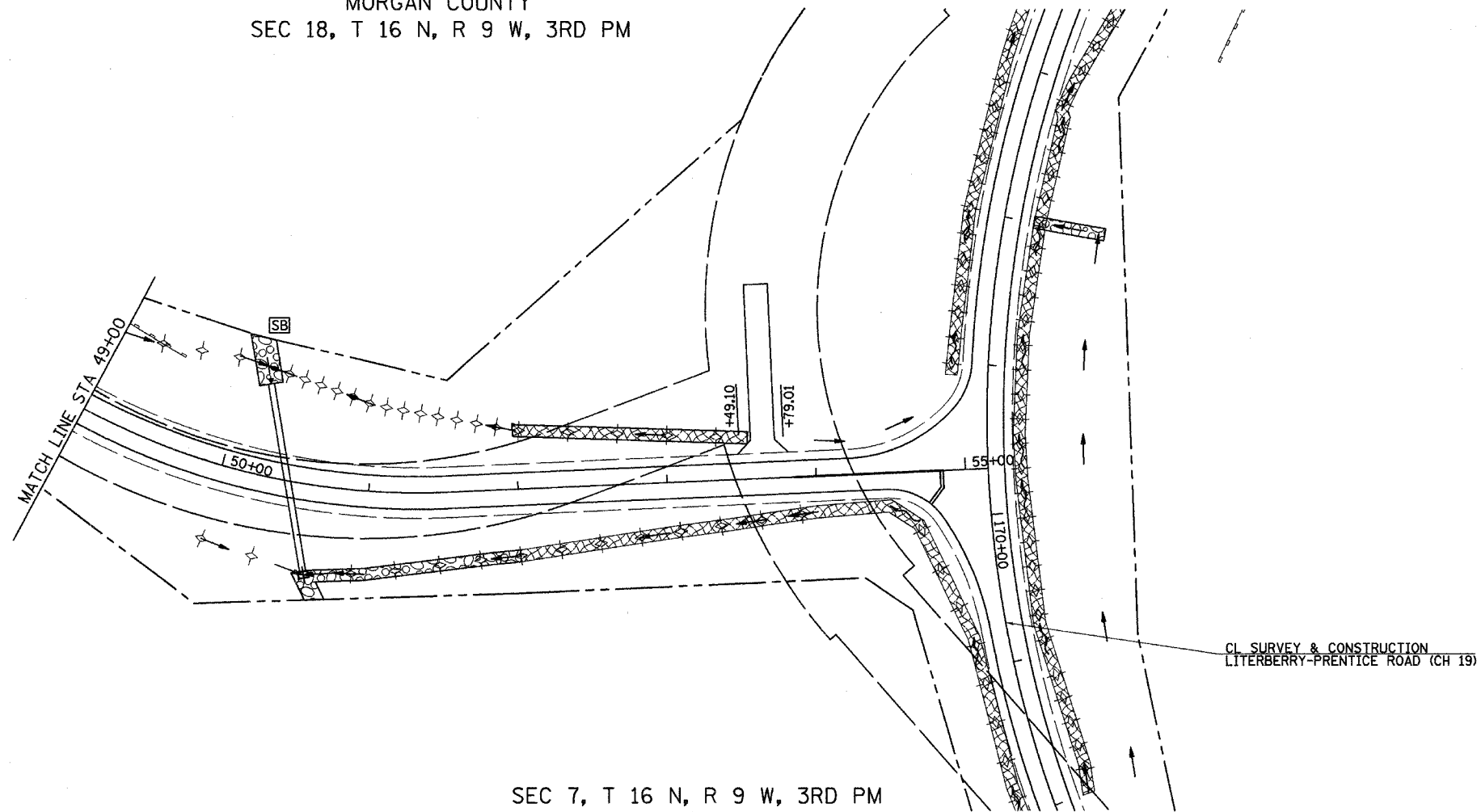
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**STORM WATER POLLUTION PREVENTION PLAN**  
E STRAWN CROSSING ROAD (CH 2)  
STA 37+05 TO STA 49+00

SCALE: VERT. \_\_\_\_\_  
HORIZ. \_\_\_\_\_  
DATE \_\_\_\_\_ DRAWN BY \_\_\_\_\_  
CHECKED BY \_\_\_\_\_

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* D2-00088-00-BR		MORGAN	76	21
STA. 165+00		TO STA. 180+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* COUNTY HIGHWAY 19 (FAS 611)				
<b>CONTRACT NO. 93388</b>				

MORGAN COUNTY  
SEC 18, T 16 N, R 9 W, 3RD PM

SEC 7, T 16 N, R 9 W, 3RD PM

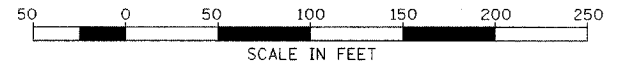


SEC 7, T 16 N, R 9 W, 3RD PM

CL SURVEY & CONSTRUCTION  
LITERBERRY-PRENTICE ROAD (CH 19)

**LEGEND**

- PERIMETER EROSION BARRIER
- EROSION CONTROL BLANKET
- AGGREGATE DITCH
- TEMPORARY DITCH CHECK
- INLET & PIPE PROTECTION
- STANDARD DITCH - FLOW LINE AND DIRECTION
- SPECIAL DITCH - FLOW LINE AND DIRECTION
- PROPOSED RIPRAP PLACEMENT



NOTE: TEMPORARY EROSION CONTROL SEEDING SHALL BE DONE IN ACCORDANCE WITH ARTICLE 280.04 OF THE STANDARD SPECIFICATIONS.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<b>STORM WATER POLLUTION PREVENTION PLAN</b> <b>E STRAWN CROSSING ROAD (CH 2)</b> <b>STA 49+00 TO STA 55+00</b>
SCALE: VERT. _____		DRAWN BY _____
DATE _____		

B.M.:

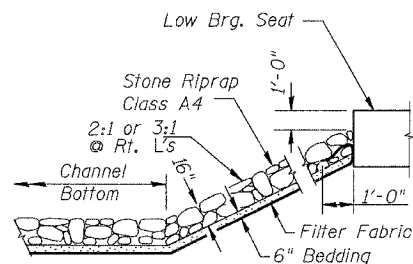
RR Spike In Power Pole  
Sta. 161+32, 38' Rt.  
Elev. 450.40

**EXISTING STRUCTURE:**

Single span concrete deck with monolithic curb on steel stringer superstructure on timber closed abutments with timber piling. The structure is 48'-0" back to back of abutments, 23'-0" out to out deck, and on a 0° skew. Str. No. 069-3005

Salvage: None

Road to be closed to traffic during construction.



**STONE RIPRAP DETAIL**

**CONOVER BRANCH  
BUILT 200\_ BY  
MORGAN COUNTY  
SEC. 02-00088-00-BR  
C.H. 19 STATION 160+96.19  
F.A. PROJ. RS-BRS-611(106)  
STR. NO. 069-3254 LOADING HS20-44**

**NAME PLATE**

Locate Name Plate at S.W. Wingwall  
Corner of Bridge (See Std. 515001)

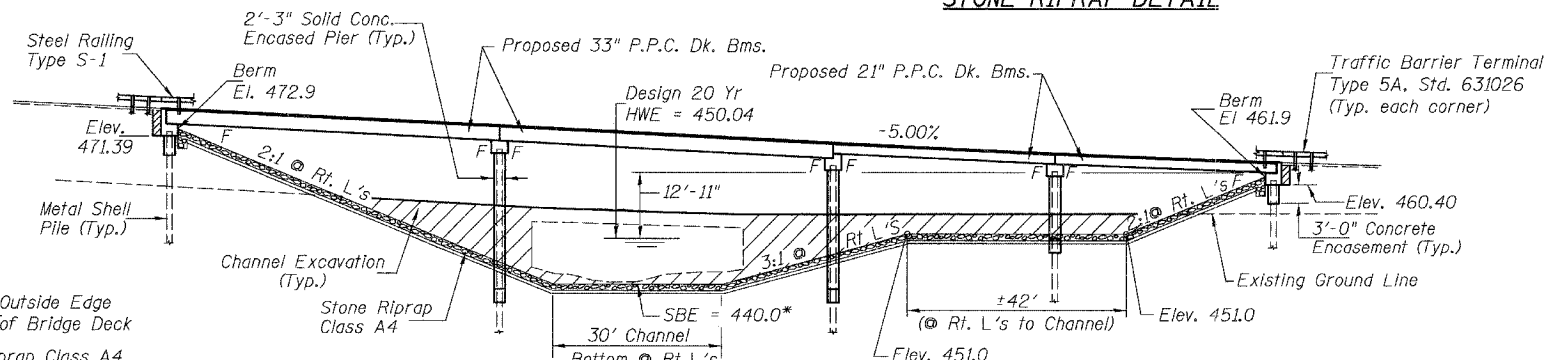
ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO.
CH 19	*	MORGAN	76	22
FED. ROAD DIST. NO. 7		ILLINOIS	PROJECT RS-BRS-611(106)	
*02-00088-00-BR				

SHEET NO. 1  
14 SHEETS

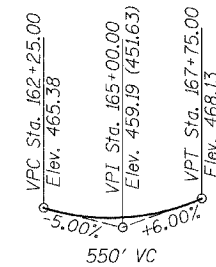
93388

**GENERAL NOTES**

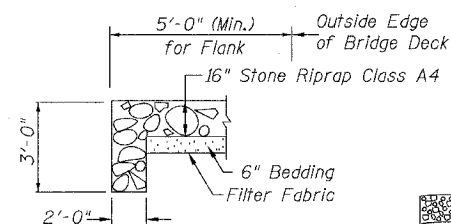
The Contractor shall drive 5 test piles, in permanent locations, one at each substructure, as directed by the Engineer before ordering the remaining piles. For Soil Boring Logs, See Special Provisions.  
A Corrosion Inhibitor, as covered in the Special Provisions, shall be used in the concrete for Precast Prestressed Concrete Deck Beams.  
Reinforcement Bars shall conform to AASHTO M-31 or M-322, Grade 60. Layout of the slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.  
The top surface of the beams shall be finished in accordance with Article 504.06 of the Standard Specifications except that the surface shall not be roughened by brooming. The finished surface shall be free of depressions or high spots with sharp corners, and the top edge of keys shall be rounded or chamfered a minimum of 1/4".  
The existing structural steel coating may contain lead. The contractor should take appropriate precautions to deal with the presence of lead on this project.  
The embankment configuration shown shall be the minimum embankment that must be constructed prior to construction of the abutments.  
Concrete piles at West Abutment shall be driven in holes precored through the embankment according to Article 512.10(c) of the Standard Specifications.  
For horizontal curve and superelevation information, see Sheet #9 of 76.



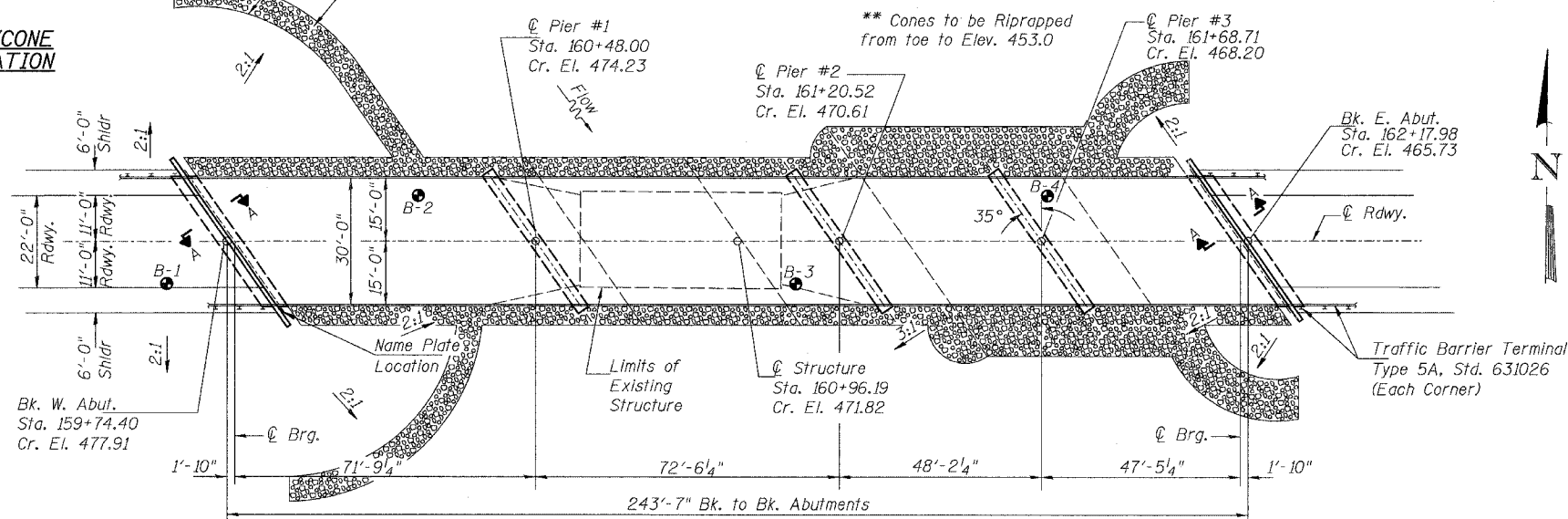
**ELEVATION**



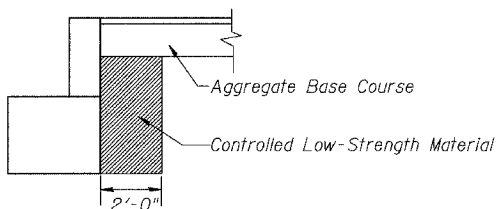
**PROFILE GRADE**



**TYPICAL FLANK/RIPRAP TERMINATION**



**PLAN**



**SECTION A-A**

DESIGNED	J.E.H.
CHECKED	J.O.H.
DRAWN	T.A.C./T.R.D.
CHECKED	J.E.H.

**WATERWAY INFORMATION**

Drainage Area = 15.44 Sq. Mi.		Low Grade Elev. = 459.13 @ Sta. 164+75.00							
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. ft.		Nat. H.W.E. ft.	Head - ft.		Headwater Elev. - ft.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	20	2,120	304	553	450.04	0.62	0.15	450.66	450.19
Base	100	3,190	338	627	450.94	1.54	0.58	452.48	451.52

Construction of this project complies with IDNR,  
Office of Water Resources Statewide Permit No. 2

**DESIGN SPECIFICATIONS**

2002 AASHTO & Interims

**DESIGN STRESSES**

(FIELD UNITS)  $f'_c = 3,500$  p.s.i.,  $f_y = 60,000$  p.s.i. (Rein.)  
(PRECAST PRESTRESSED UNITS)  $f'_c = 5,000$  p.s.i.,  $f'_{cl} = 4,000$  p.s.i.,  $f'_s = 270,000$  p.s.i. (1/2" Strands),  $f'_{sl} = 201,960$  p.s.i. (1/2" Strands)

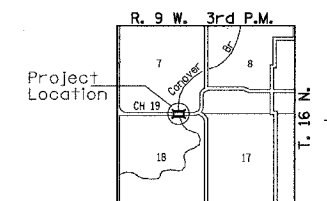
**LOADING HS20-44**

Allow 50#/sq. ft. future wearing surface.

**JAMES O. HAMILTON**  
081-00868  
LICENSED  
STRUCTURAL  
ENGINEER  
OF  
JACKSONVILLE  
ILLINOIS  
James O. Hamilton  
2/18/2005  
License Expires 11/30/2006

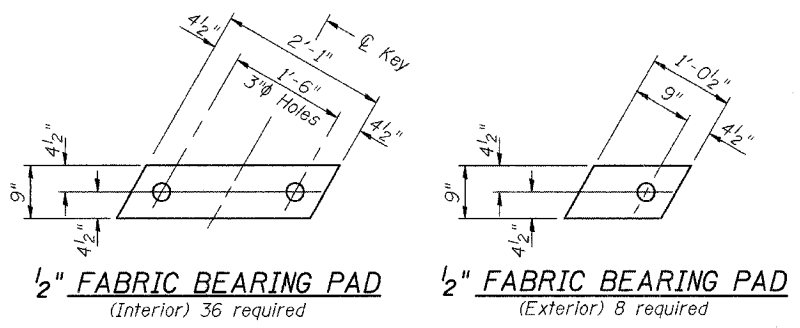
I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current AASHTO Standard Specification for Highway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

**James O. Hamilton**  
Illinois Structural No. 3668  
Expires 11/30/2006

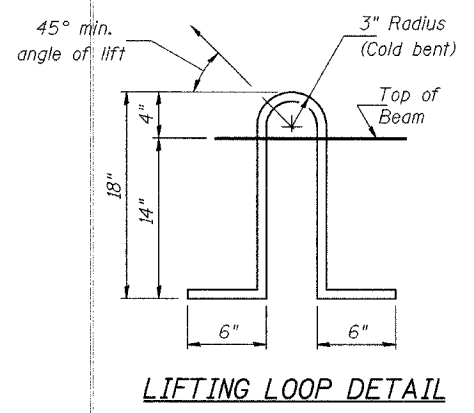
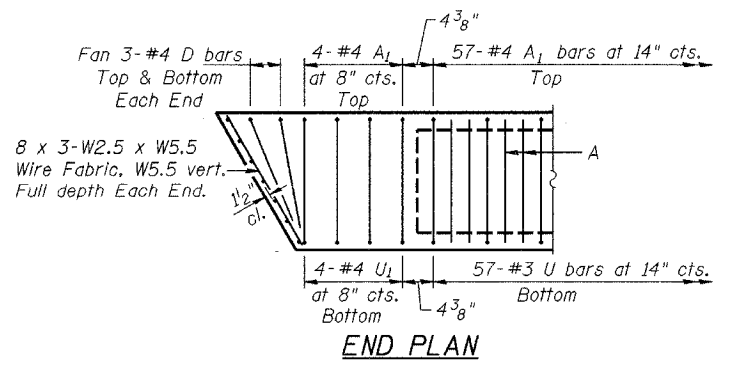
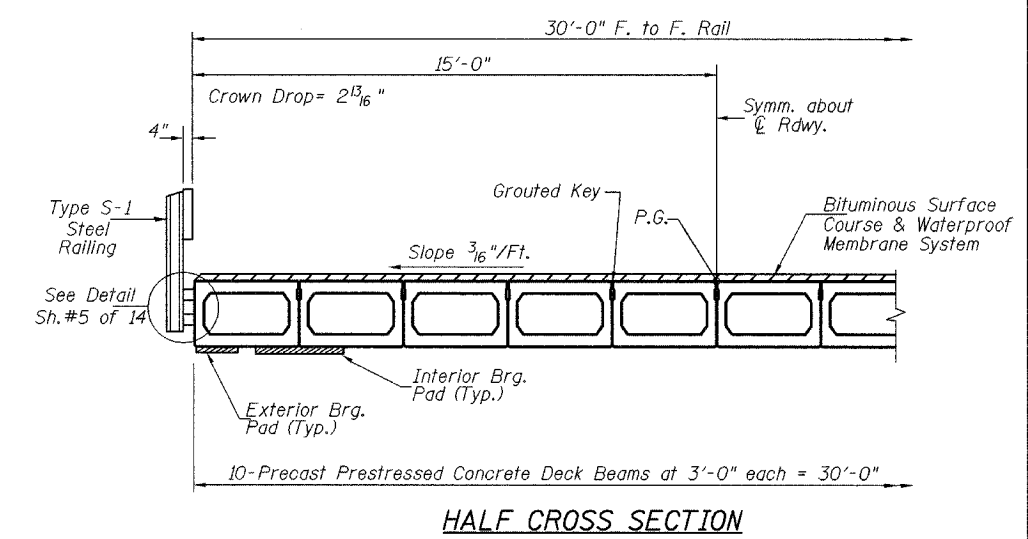
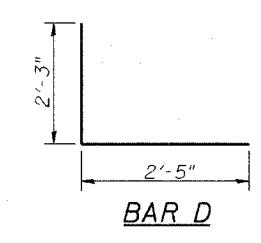
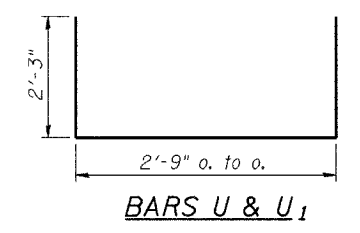
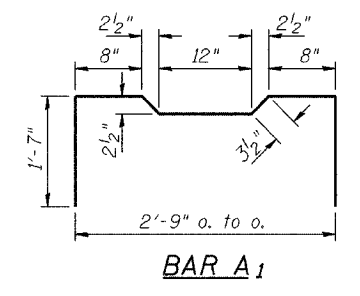
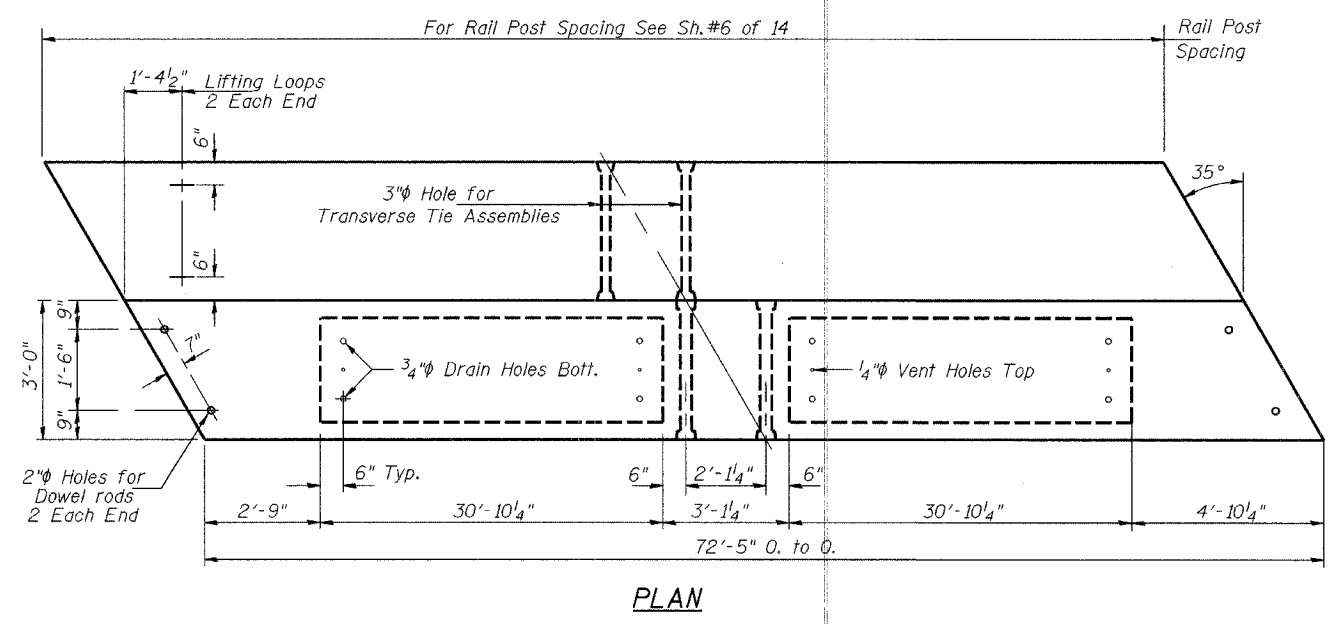
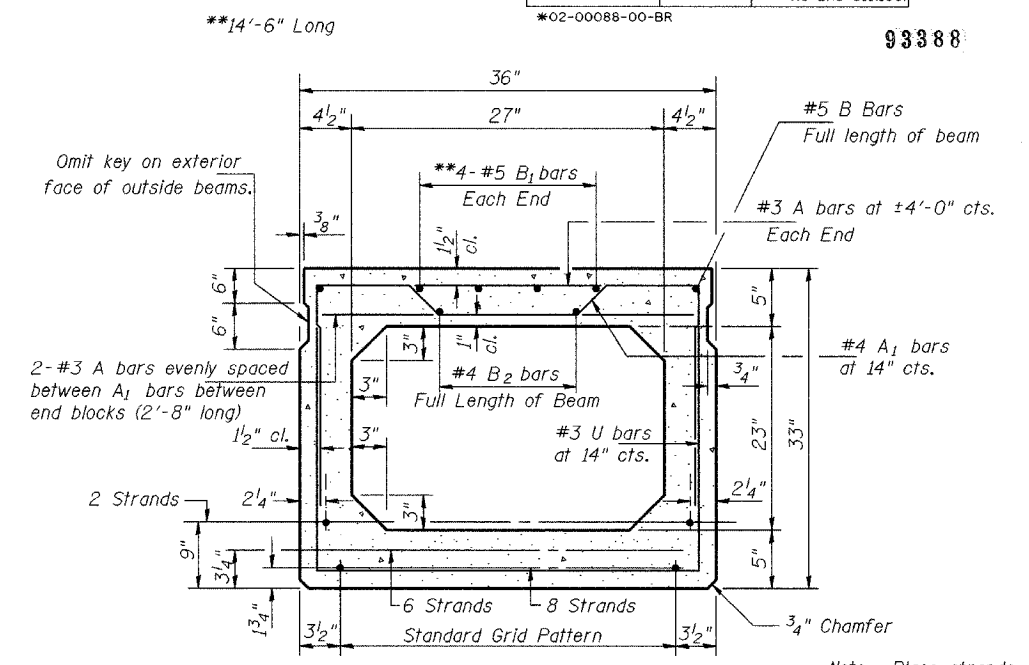
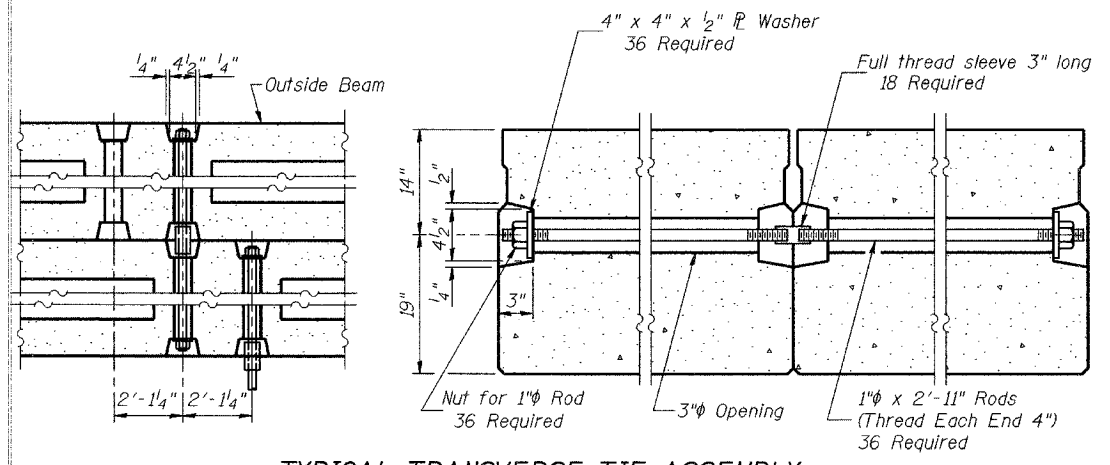


**LOCATION SKETCH**

**GENERAL PLAN & ELEVATION  
C.H. 19 OVER CONOVER BRANCH  
SECTION 02-00088-00-BR  
MORGAN COUNTY  
STATION 160+96.19  
STR. NO. 069-3254**



**FIXED**



**NOTES**

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. Lifting loops shall be 3-1/2" 270 ksi strands, as shown.

The 1" rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets that receive transverse tie bar on outside shall be filled with grout after transverse tie assembly is in place.

Non prestressing steel shall conform to the requirements of AASHTO M-31 or M-322 Grade 60. The bearing seat surfaces shall be adjusted by shimming to assure firm and even bearing. Two 1/8" fabric adjusting shims of the dimensions of the Exterior Bearing Pad shall be provided for each bearing.

Keyway surfaces shall be cleaned to remove form oil or other bond breaking material prior to shipment of the beams. Cleaning shall be done by sandblasting the keyway areas between top of the beam and the bottom edge of the key.

A Corrosion Inhibitor, as covered in the Special Provisions, shall be used in the concrete for precast prestressed concrete deck beams.

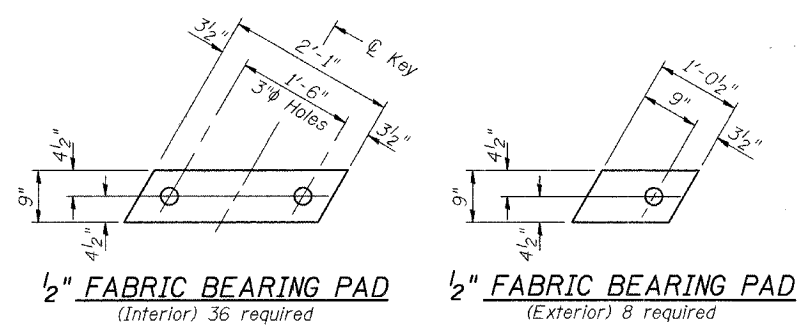
Required Release Strength, f'ci, shall be 4,000 p.s.i.

Rail post anchor devices shall be cast into outside face of exterior beams as specified elsewhere.

**BILL OF MATERIAL**

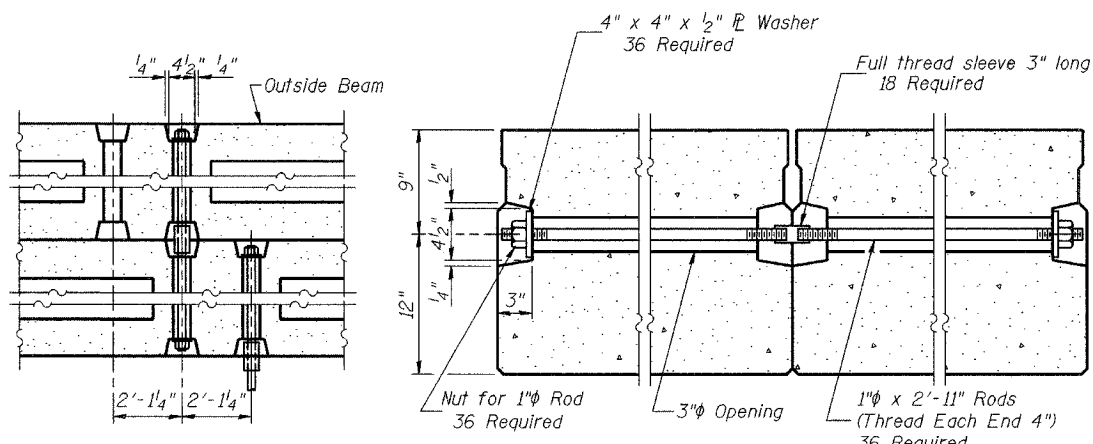
ITEM	UNIT	QUANTITY
Precast Prestressed Concrete Deck Beams (33" Depth)	SQ FT	4,345

**SUPERSTRUCTURE SPANS 1 & 2**  
**C.H. 19 OVER CONOVER BRANCH**  
**SECTION 02-00088-00-BR**  
**MORGAN COUNTY**  
**STATION 160+96.19**

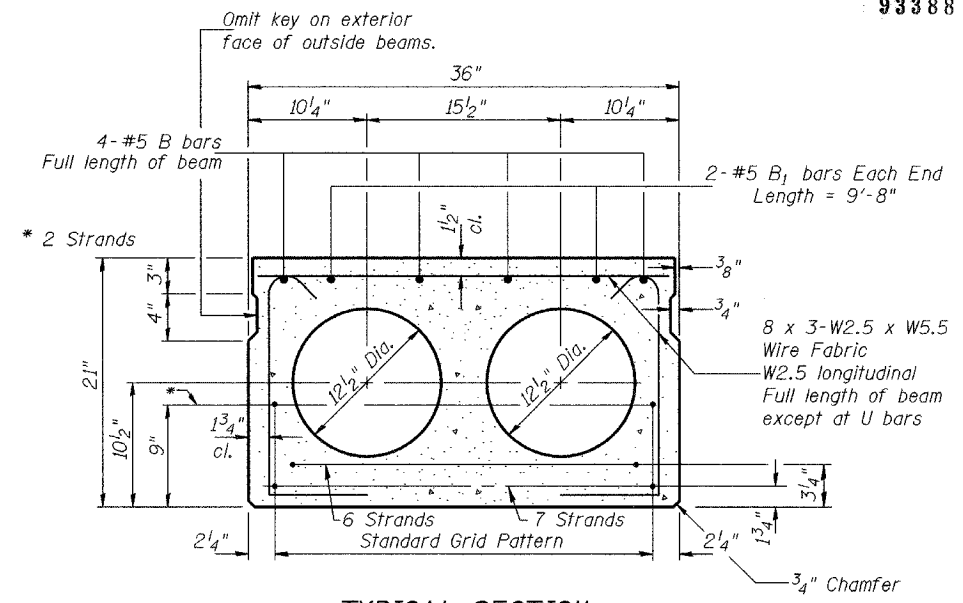


**1/2" FABRIC BEARING PAD**  
(Interior) 36 required  
**1/2" FABRIC BEARING PAD**  
(Exterior) 8 required

**FIXED**

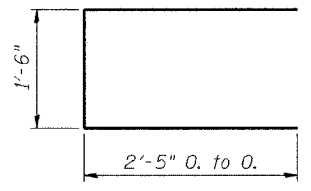


**TYPICAL TRANSVERSE TIE ASSEMBLY**

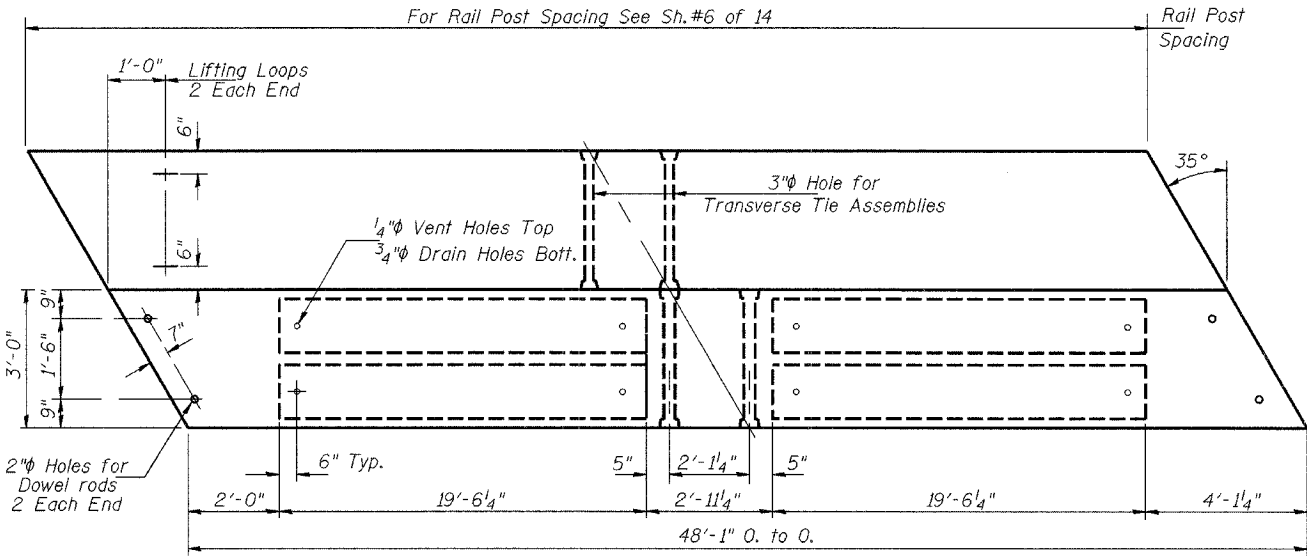


**TYPICAL SECTION**

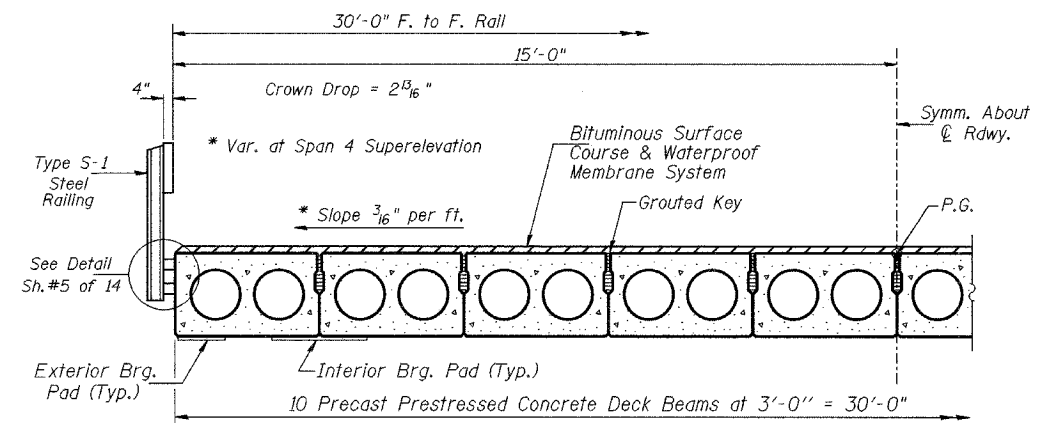
15-1/2"  $\phi$  Strands, Each Strand Stressed to 30,900 Lbs.  
7-Strands 1 3/4" up, 6-Strands 3/4" up, 2-Strands 12" up  
Note: Place strands symmetrically about  $\phi$  of beam.



**BAR U**



**PLAN**



**HALF CROSS SECTION**

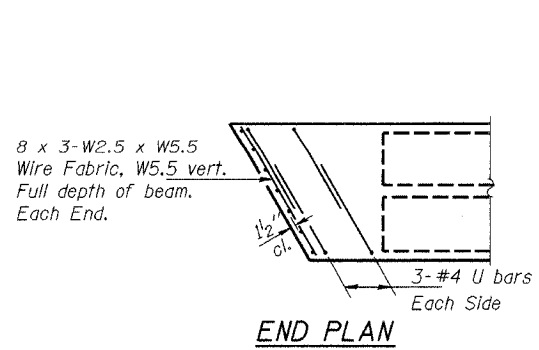
**NOTES**

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. Lifting loops shall be 2-1/2"  $\phi$ -270 ksi strands, as shown. The 1" rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets that receive transverse tie bar on outside shall be filled with grout after transverse tie assembly is in place. Non prestressing steel shall conform to the requirements of AASHTO M-31 or M-322 Grade 60. The bearing seat surfaces shall be adjusted by shimming to assure firm and even bearing. Two 1/8" fabric adjusting shims of the dimensions of the Exterior Bearing Pad shall be provided for each bearing. Keyway surfaces shall be cleaned to remove form oil or other bond breaking material prior to shipment of the beams. Cleaning shall be done by sandblasting the keyway areas between top of the beam and the bottom edge of the key. A Corrosion Inhibitor, as covered in the Special Provisions, shall be used in the concrete for precast prestressed concrete deck beams. Required Release Strength, f'ci, shall be 4,000 p.s.i. Rail post anchor devices shall be cast into outside face of exterior beams as specified elsewhere.

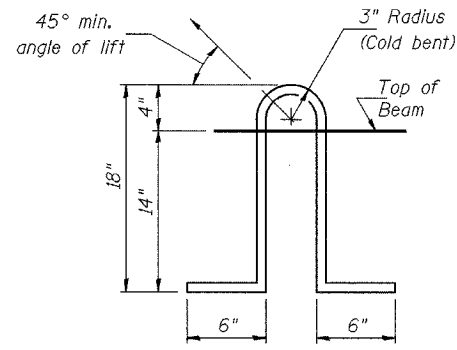
**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Precast Prestressed Concrete Deck Beams (21" Depth)	SQ FT	2,885

**SUPERSTRUCTURE SPANS 3 & 4**  
**C.H. 19 OVER CONOVER BRANCH**  
**SECTION 02-00088-00-BR**  
**MORGAN COUNTY**  
**STATION 160+96.19**



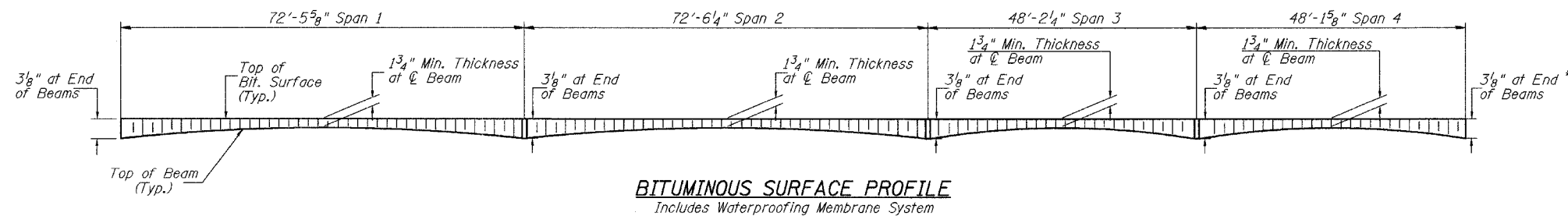
**END PLAN**



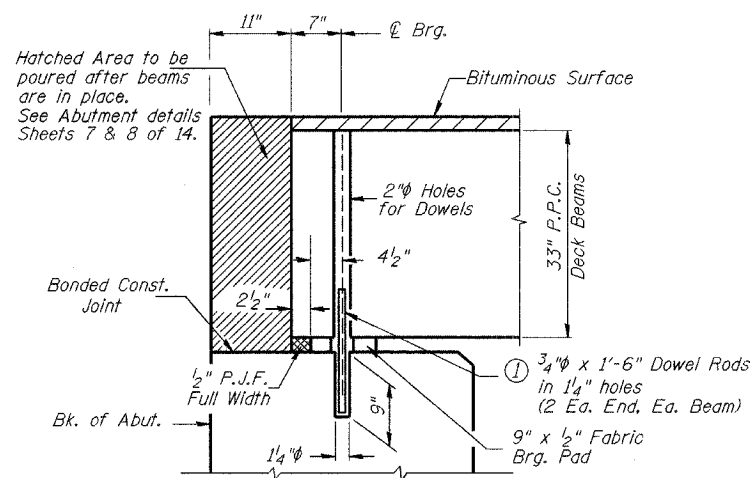
**LIFTING LOOP DETAIL**



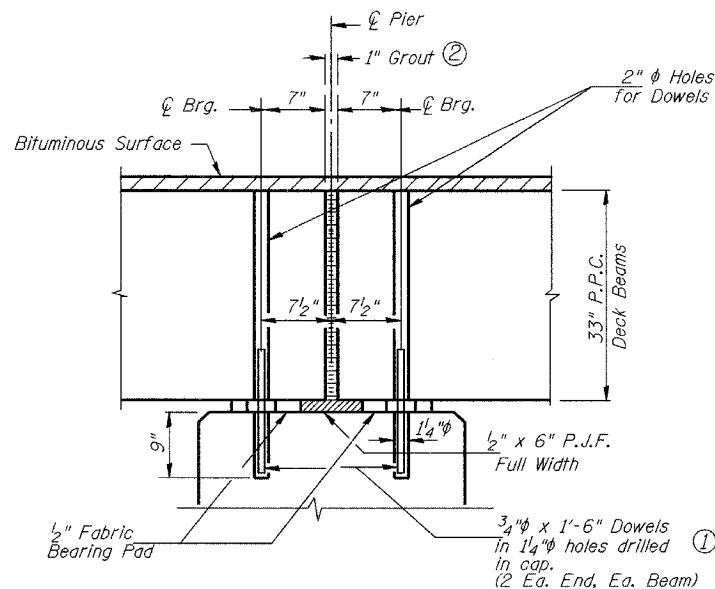
93388



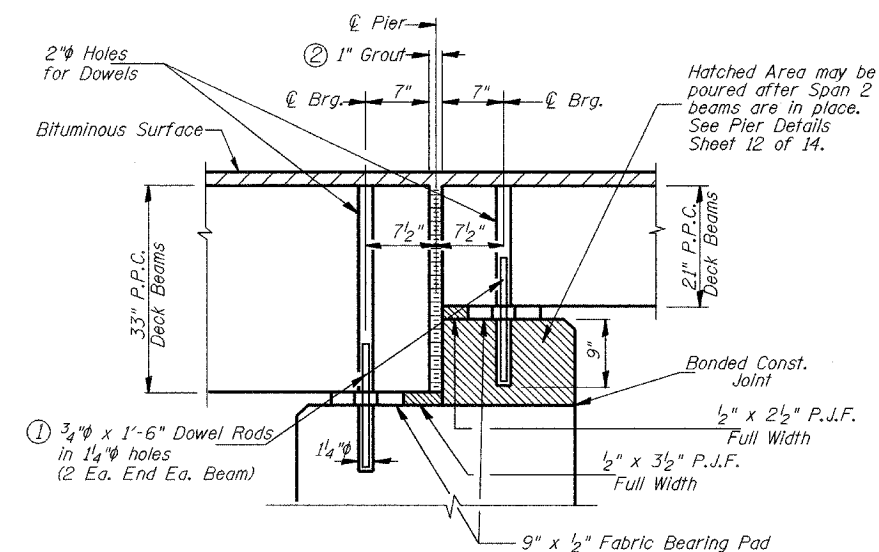
\*Superelevation on Span 4 to be achieved with placement of additional Bituminous Surface.



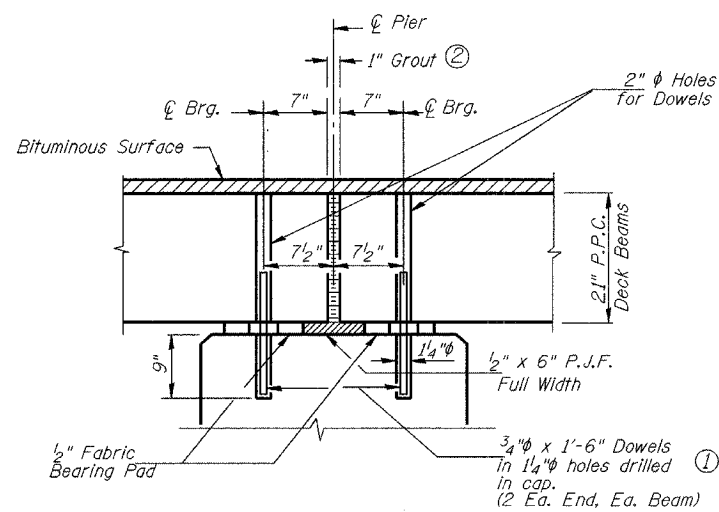
**SECTION THRU WEST ABUTMENT**  
(At Right Angles)



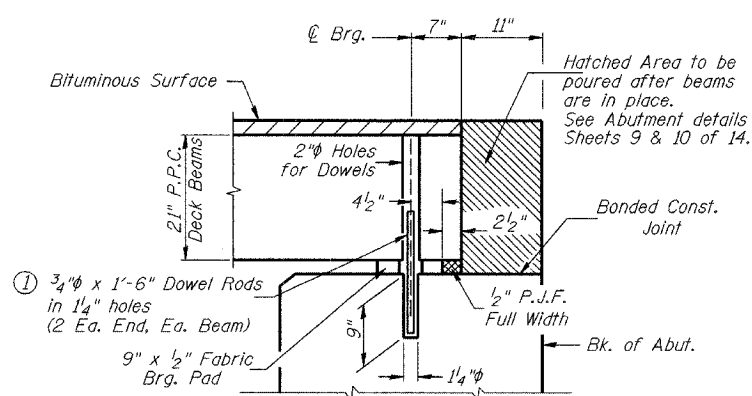
**SECTION THRU PIER #1**  
(At Right Angles)



**SECTION THRU PIER #2**  
(At Right Angles)



**SECTION THRU PIER #3**  
(At Right Angles)



**SECTION THRU EAST ABUTMENT**  
(At Right Angles)

- ① Dowel Rods to be grouted after beams are in place and allowed to cure (Min. 24 hr.) prior to grouting the shear keys.
- ② 1" Joint shall be packed with a very dry mix of 2:1 sand and P.C. mortar. 1" Dimension may vary plus or minus to accommodate tolerance in beam lengths.

**SUPERSTRUCTURE DETAILS**  
**C.H. 19 OVER CONOVER BRANCH**  
**SECTION 02-00088-00-BR**  
**MORGAN COUNTY**  
**STATION 160+96.19**

FOR RAIL POST SPACING SEE SH.#6 OF 14

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 19	*	MORGAN	76	26
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT RS-BRS-611(106)		

SHEET NO. 5  
14 SHEETS

93388

**NOTES**

Hollow structural steel sections shall conform to the requirements of ASTM designation A-500 Grade B Structural Steel Tubing and shall meet the longitudinal CVN requirements of 15 ft-lbs at 0° F.

All other steel shapes and plates shall conform to the requirements of AASHTO M-270 Grade 36 except posts and angles shall conform to AASHTO M-270, Grade 50.

Bolts, cap screws, and nuts shall conform to the requirement of ASTM designation A-307 except for high strength bolts, nuts and washers noted which shall conform to AASHTO M-164.

All bolts, nuts, cap screws, washers and lock washers shall be galvanized in accordance with AASHTO M-232.

All posts, railing, rail splices, anchor devices and angles shall be galvanized after shop fabrication in accordance with AASHTO M-111 and ASTM A-385. Galvanized rail shall not be painted.

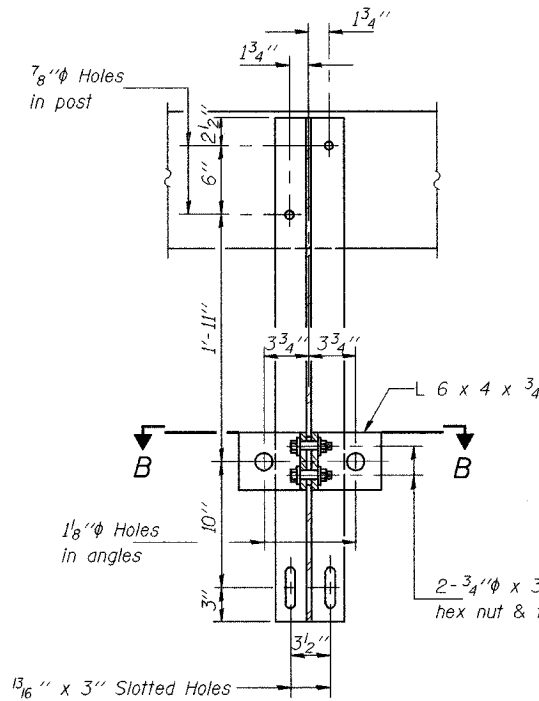
Railing shall be according to Section 509 of the Standard Specifications, except as noted, and will be paid for at the contract unit price per foot for STEEL RAILING, TYPE S-1.

All field drilled holes shall be coated with an approved zinc rich paint before erection.

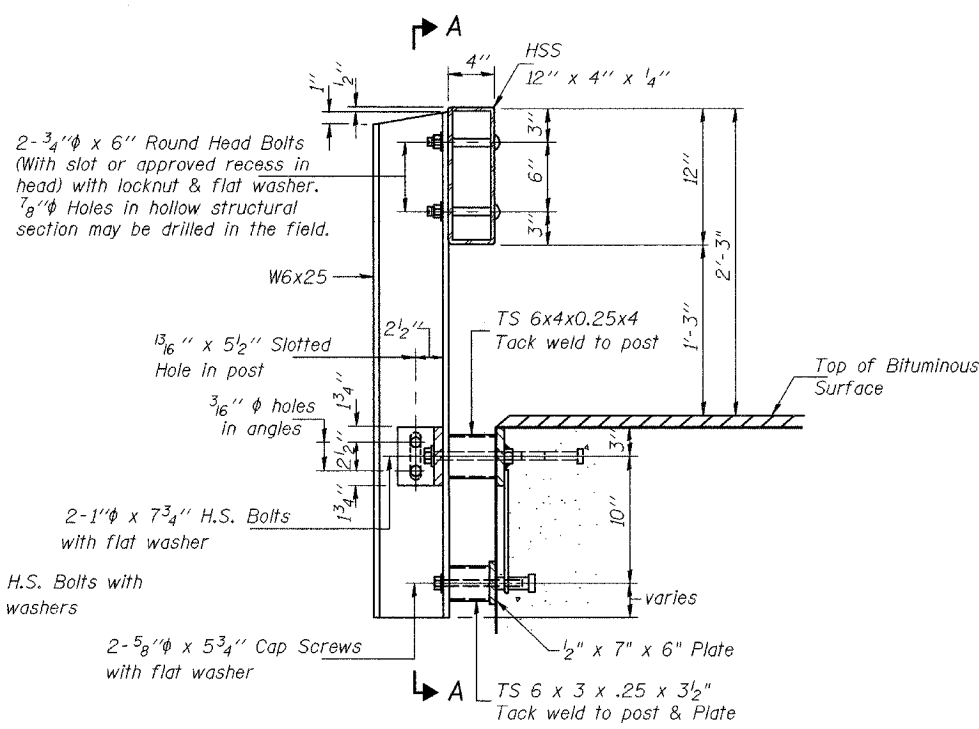
The 1/2" x 7" x 6" plates that come in contact with concrete shall receive two coats of asphalt paint conforming to Section 1060.07 Type II or place 1/8" fabric bearing pads between the plates and concrete.

The 3/4" high strength bolts used to connect the 6 x 4 x 3/4" angles to the post shall be tightened in accordance with Article 505.04 (f) (2) of the Standard Specifications. The 1" high strength bolts connecting the angles to the concrete shall be tightened to a snug fit and given an additional 1/8 turn. The 5/8" cap screws in bottom of posts shall be tightened to a snug fit only.

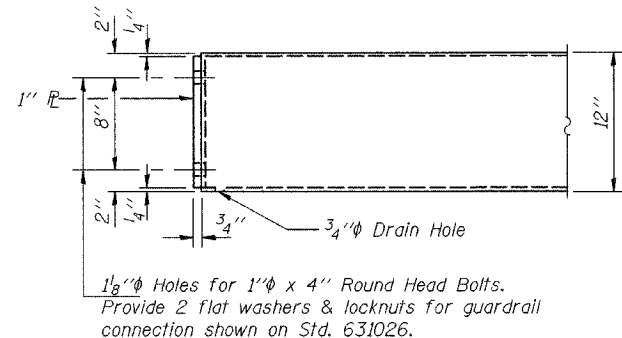
For multi-span bridges, sufficient 1/4" x 6" x 1'-2" galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with STEEL RAILING, TYPE S-1.



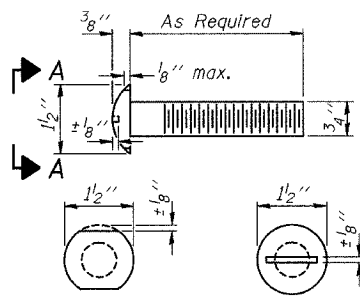
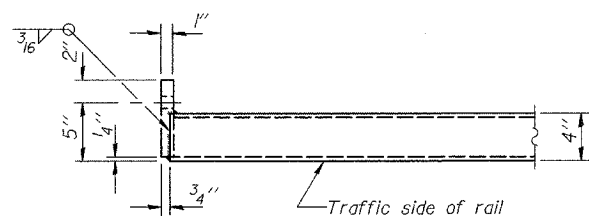
**SECTION A-A**



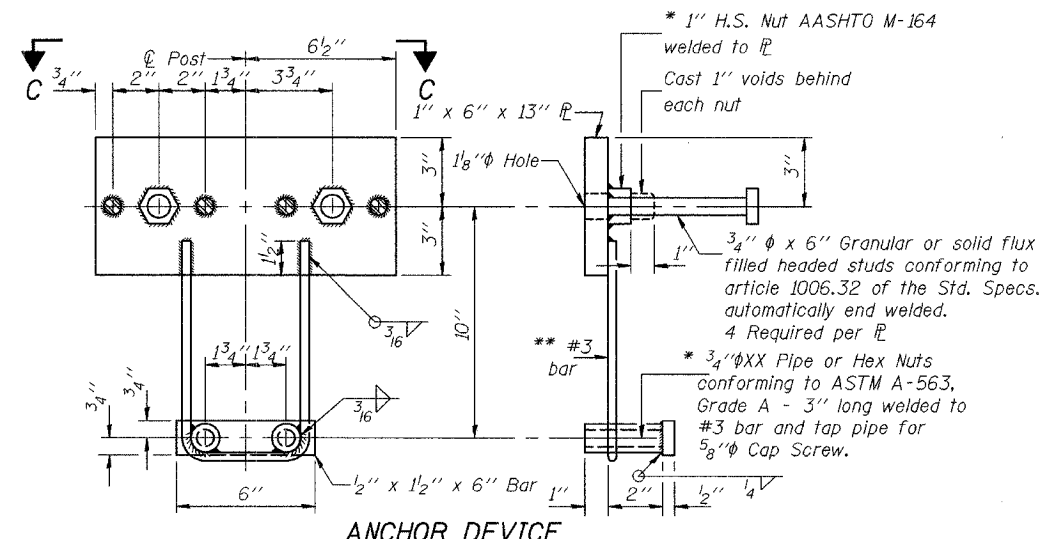
**SECTION AT RAIL POST**



**END OF RAIL DETAILS**



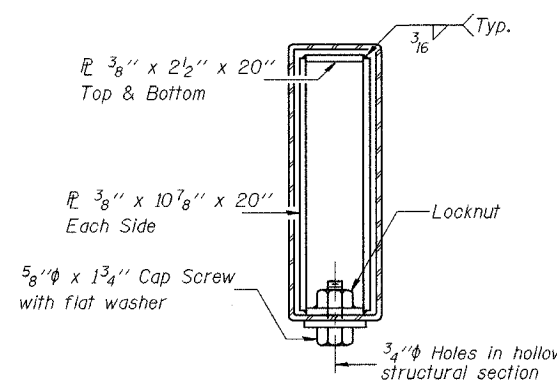
**VIEW A-A ROUND HEAD BOLT**



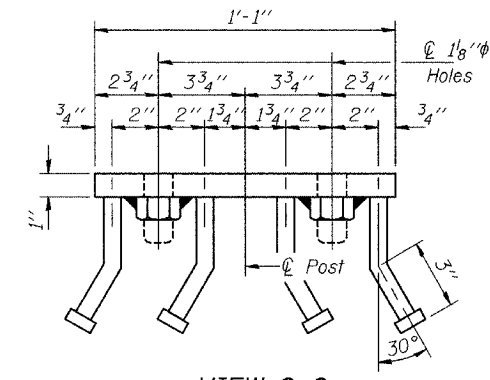
**ANCHOR DEVICE**

\* Threaded areas shall be plugged or blocked off during casting of beam.

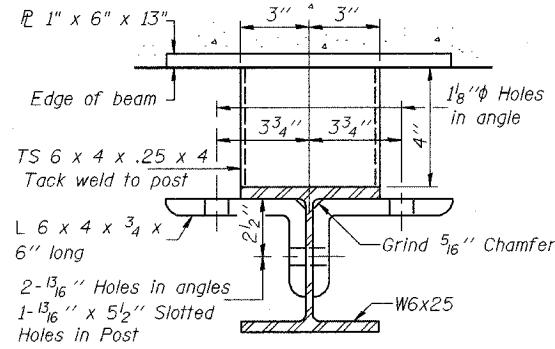
\*\* Whenever the lower insert assemblies interfere with strand locations, the #3 bars shall be cut and adjusted in order to allow raising or lowering of the lower inserts. Maximum adjustment not to exceed 1/2".



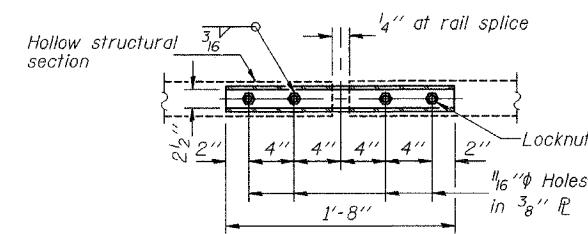
**SECTIONS AT RAIL SPLICE**



**VIEW C-C**



**SECTION B-B**



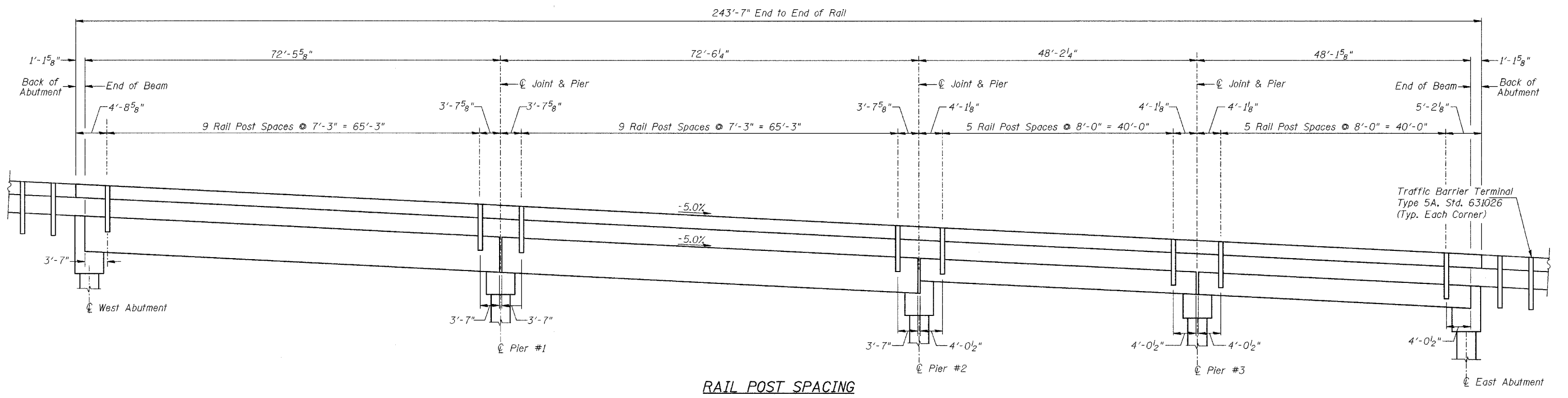
**PLAN-BOTT. SPLICE PL TYPICAL**

**BILL OF MATERIAL**

Item	Unit	Quantity
Steel Railing, Type S-1	FOOT	487

**TYPE S-1 STEEL RAILING  
C.H. 19 OVER CONOVER BRANCH  
SECTION 02-00088-00-BR  
MORGAN COUNTY  
STATION 160+96.19**

9388

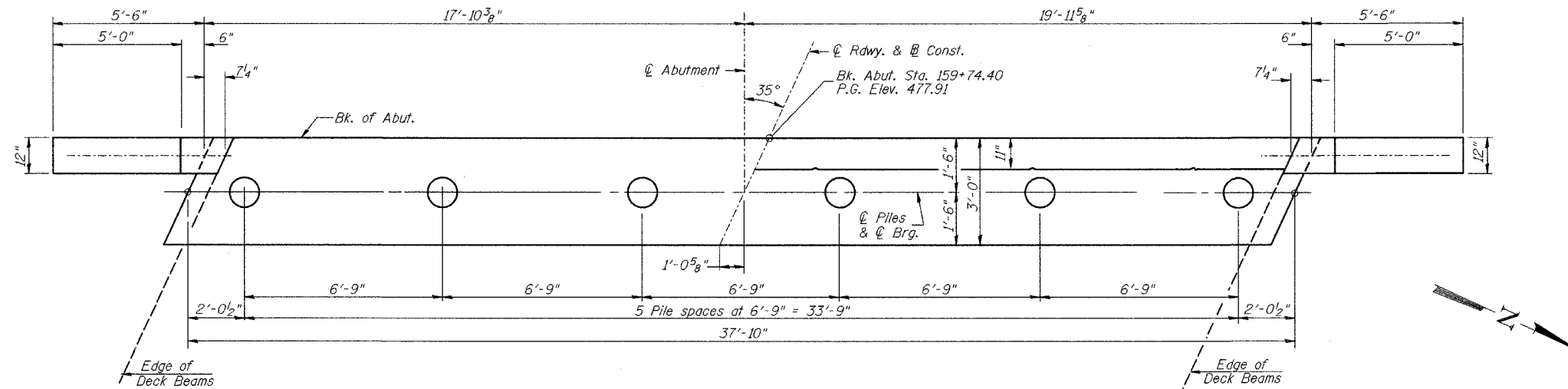


**RAIL POST SPACING**  
**C.H. 19 OVER CONOVER BRANCH**  
**SECTION 02-00088-00-BR**  
**MORGAN COUNTY**  
**STATION 160+96.19**

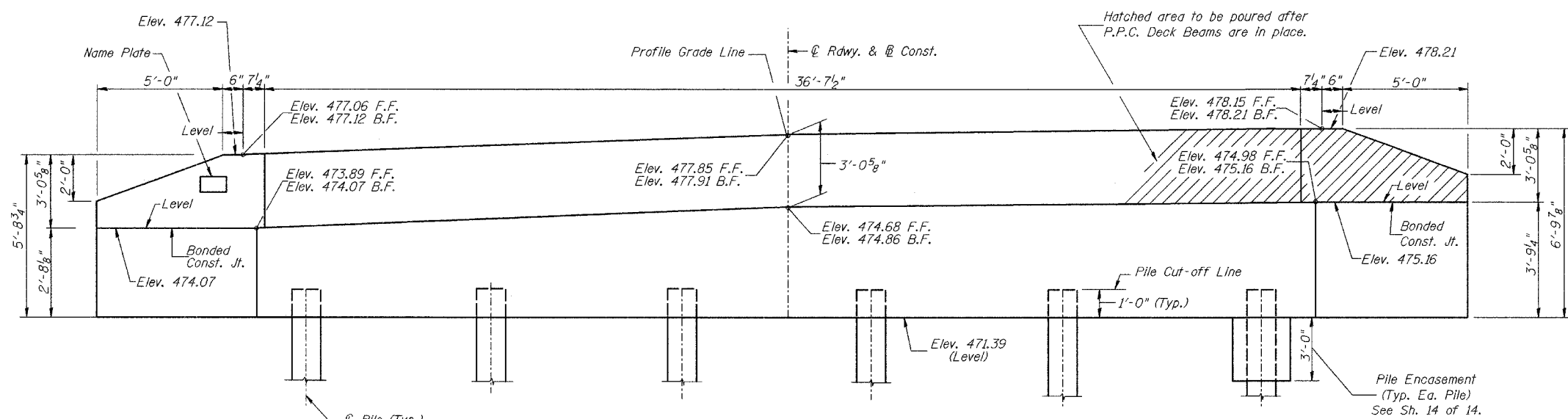
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 19	*	MORGAN	76	28
FED. ROAD DIST. NO. 7		ILLINOIS	PROJECT RS-BRS-611(106)	
*02-00088-00-BR				

SHEET NO. 7  
14 SHEETS

93388

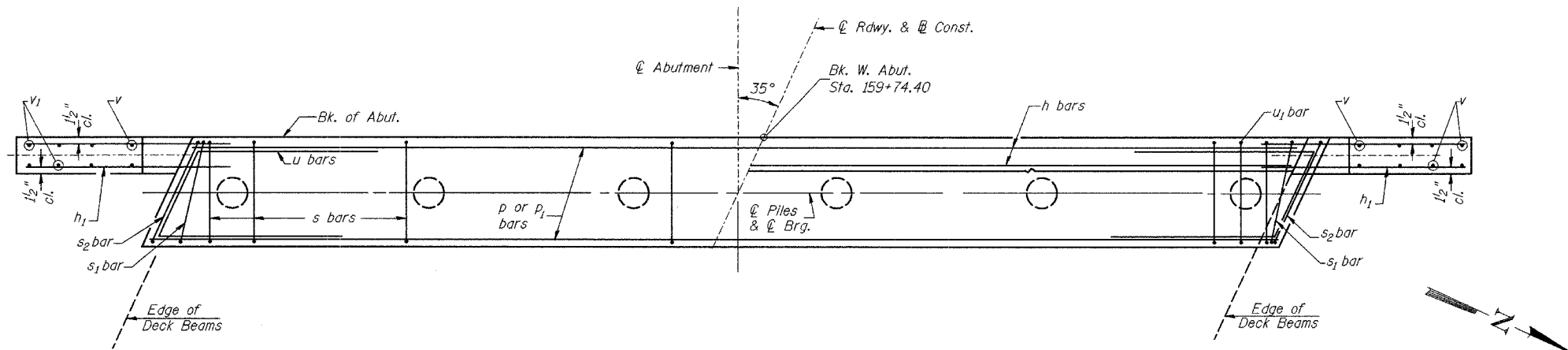


**PLAN**  
(Showing Dimensions)

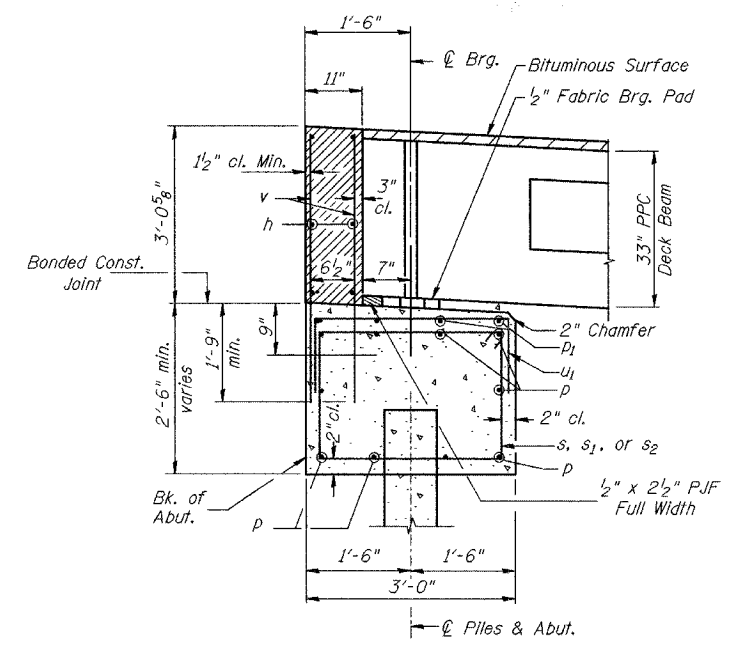


**ELEVATION**  
(Front View of Abutment Showing Dimensions)

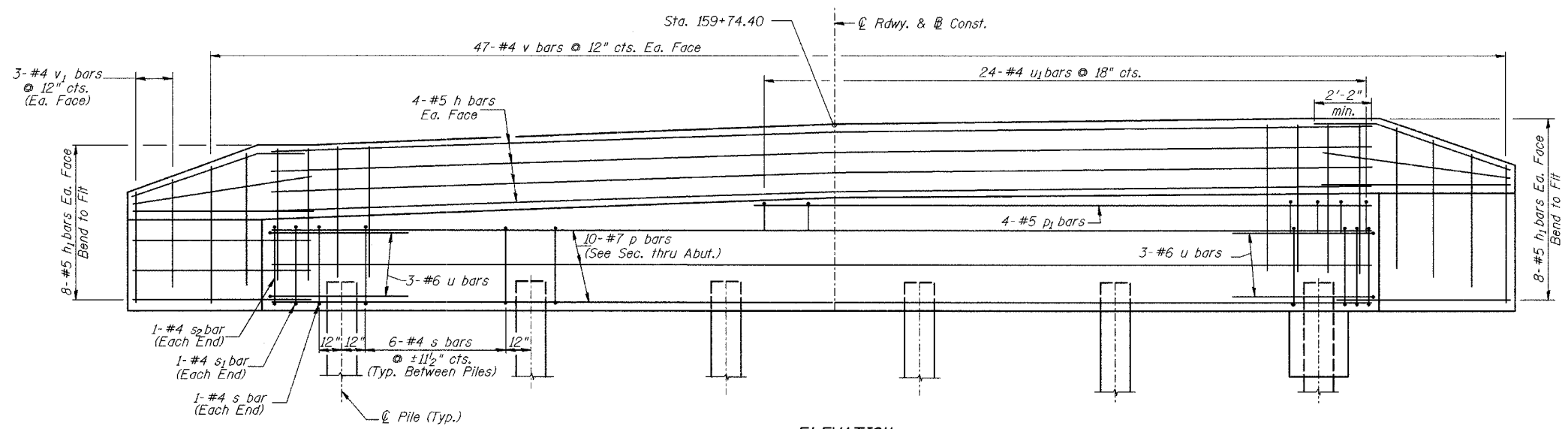
**WEST ABUTMENT LAYOUT**  
**C.H. 19 OVER CONOVER BRANCH**  
**SECTION 02-00088-00-BR**  
**MORGAN COUNTY**  
**STATION 160+96.19**



**PLAN**  
(Showing Reinforcement)



**SECTION THRU ABUT.**  
(At Right Angles)



**ELEVATION**  
(Front View of Abutment Showing Reinforcement)

**WEST ABUTMENT  
BILL OF MATERIAL**

BAR	NO.	SIZE	LENGTH	SHAPE
h	8	#5	37'-6"	—
h1	32	#5	8'-1"	—
p	10	#7	37'-6"	—
p1	4	#5	33'-8"	—
s	32	#4	10'-5"	□
s1	2	#4	7'-10"	□
s2	2	#4	8'-8"	□
u	6	#6	12'-2"	—
u1	24	#4	6'-4"	□
v	94	#4	4'-8"	—
v1	6	#4	3'-5"	—
① Concrete Structures		CU YD	19.4	
Reinforcement Bars		POUND	2,250	
Structure Excavation		CU YD	60	
Name Plates		EACH	1	
Furnishing Metal Pile Shells 14"		FOOT	265	
Driving and Filling Shells		FOOT	265	
Test Pile Metal Shells		EACH	1	
① Concrete Encasement		CU YD	1.9	

① See Special Provisions

**DESIGN STRESSES**

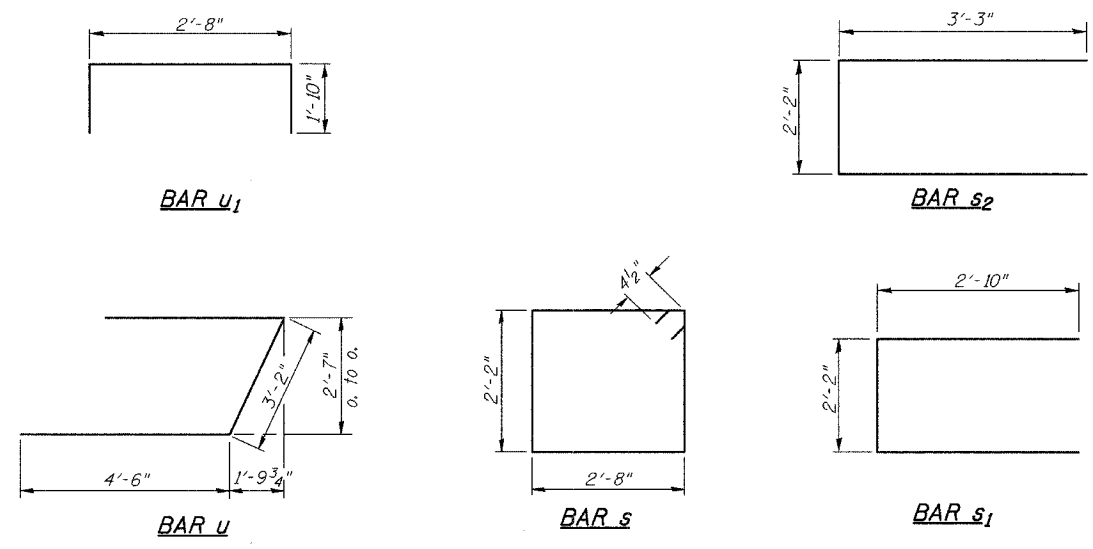
$f'_c = 3,500$  p.s.i.  
 $f_y = 60,000$  p.s.i.

**PILE DATA**

Type: 14" Metal Shell  
Capacity: 45 Ton  
Est. Length: 53'  
No. Req'd.: 6 (Includes 1 Test Pile)

**NOTES**

- The Backwall and the portion of the Wingwalls above the bonded construction joint shall be cast against the in-place beam.
- Reinforcement bars shall conform to A.A.S.H.T.O. M-31 or M-322, Grade 60.

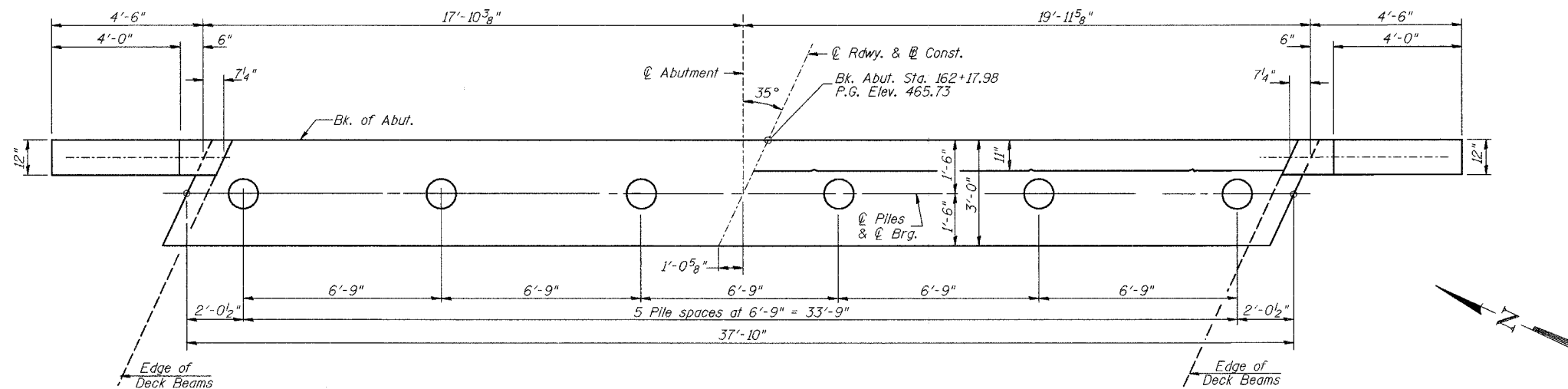


**WEST ABUTMENT DETAILS  
C.H. 19 OVER CONOVER BRANCH  
SECTION 02-00088-00-BR  
MORGAN COUNTY  
STATION 160+96.19**

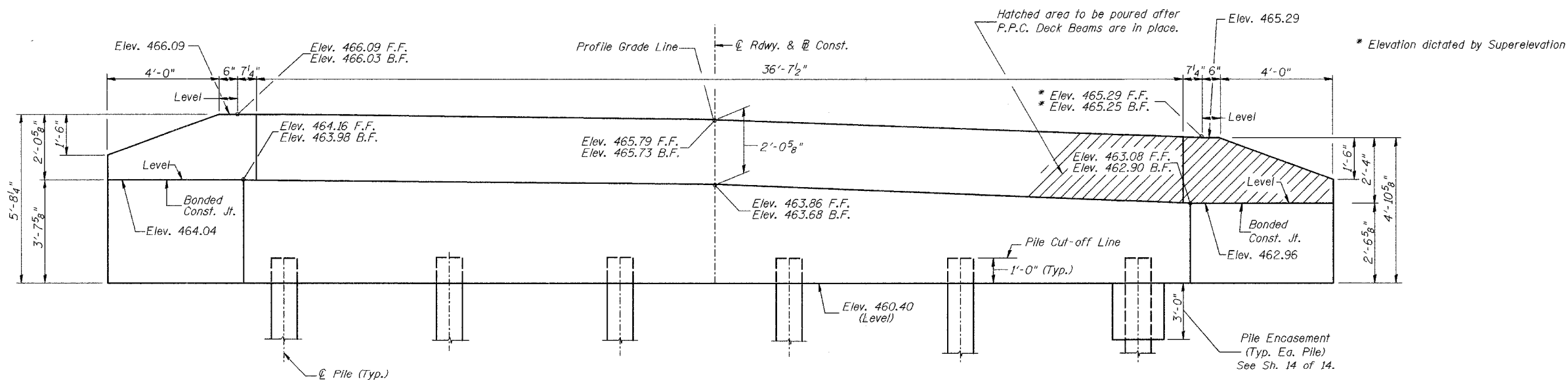
ROUTE NO.	SECTION	COUNTY	DATE	SHEET
CH 19	*	MORGAN	76	30
FED. ROAD DIST. NO. 7		ILLINOIS		PROJECT RS-BRS-611(106)
*02-00088-00-BR				

SHEET NO. 9  
14 SHEETS

98888



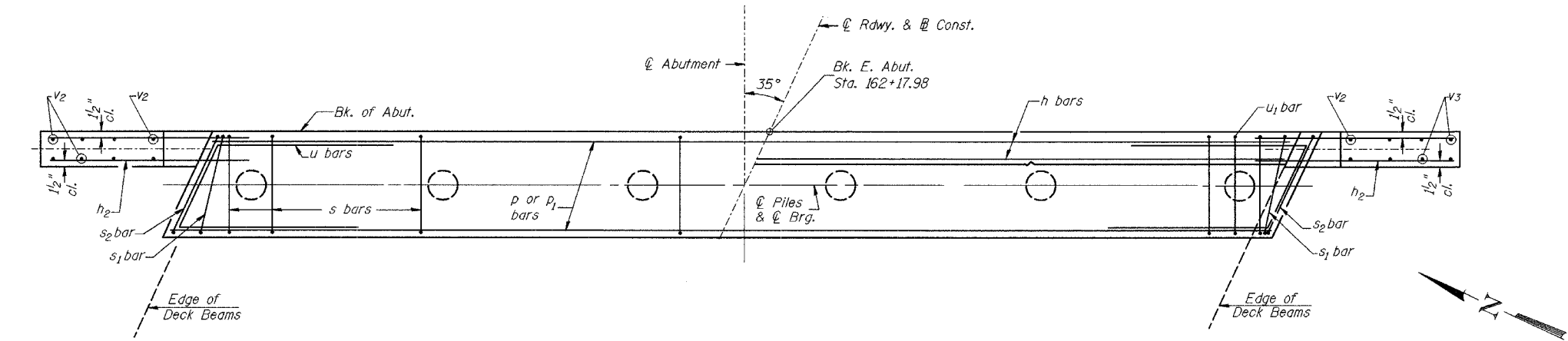
**PLAN**  
(Showing Dimensions)



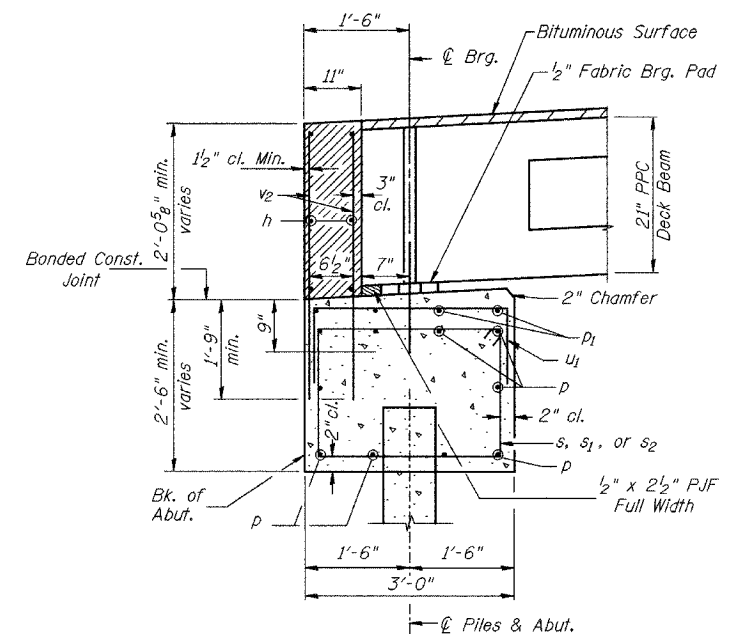
**ELEVATION**  
(Front View of Abutment Showing Dimensions)

**EAST ABUTMENT LAYOUT**  
**C.H. 19 OVER CONOVER BRANCH**  
**SECTION 02-00088-00-BR**  
**MORGAN COUNTY**  
**STATION 160+96.19**

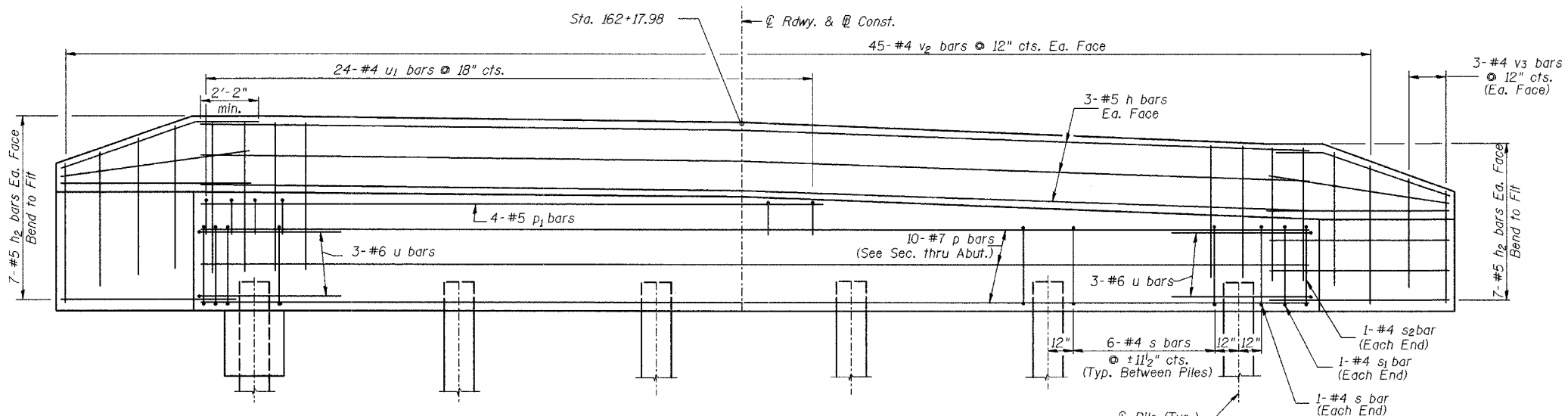
93388



**PLAN**  
(Showing Reinforcement)



**SECTION THRU ABUT.**  
(At Right Angles)



**ELEVATION**  
(Front View of Abutment Showing Reinforcement)

**EAST ABUTMENT  
BILL OF MATERIAL**

BAR	NO.	SIZE	LENGTH	SHAPE
h	6	#5	37'-6"	—
h2	28	#5	7'-0"	—
p	10	#7	37'-6"	—
p1	4	#5	33'-8"	—
s	32	#4	10'-5"	□
s1	2	#4	7'-10"	□
s2	2	#4	8'-8"	□
u	6	#6	12'-2"	□
u1	24	#4	6'-4"	□
v2	90	#4	3'-11"	—
v3	6	#4	3'-1"	—
① Concrete Structures			CU YD	17.6
Reinforcement Bars			POUND	2,050
Structure Excavation			CU YD	50
Furnishing Metal Pile Shells 14"			FOOT	275
Driving and Filling Shells			FOOT	275
Test Pile Metal Shells			EACH	1
① Concrete Encasement			CU YD	1.9

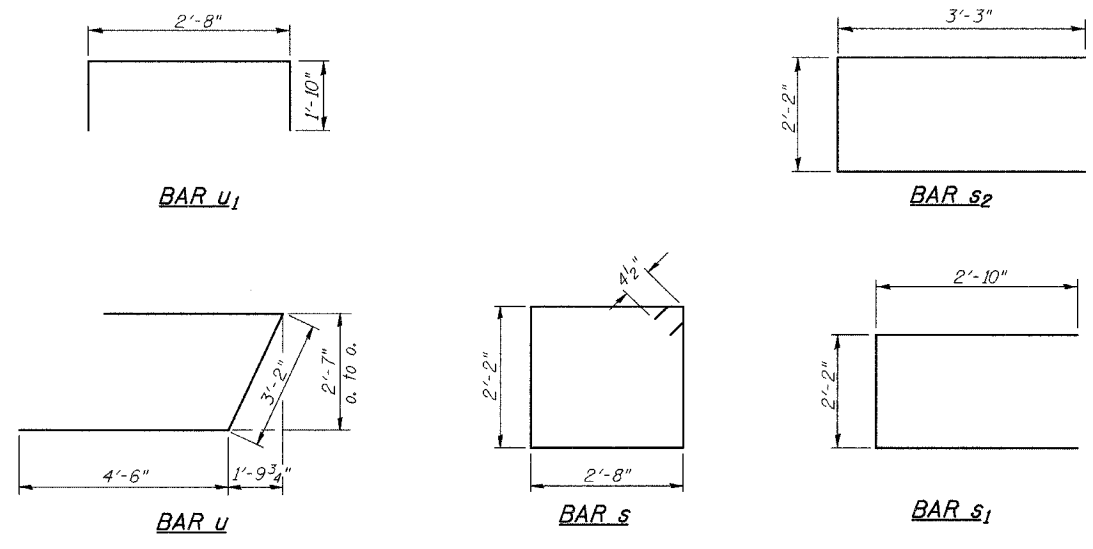
① See Special Provisions

**DESIGN STRESSES**

$f'_c = 3,500$  p.s.i.  
 $f_y = 60,000$  p.s.i.

**PILE DATA**

Type: 14" Metal Shell  
Capacity: 35 Ton  
Est. Length: 55'  
No. Req'd.: 6 (Includes 1 Test Pile)



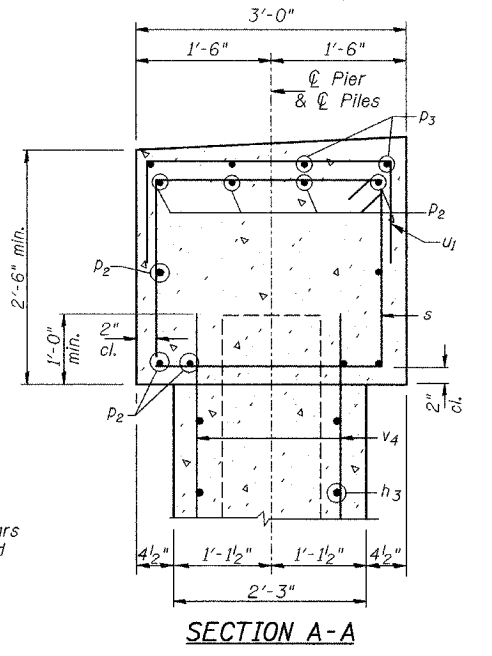
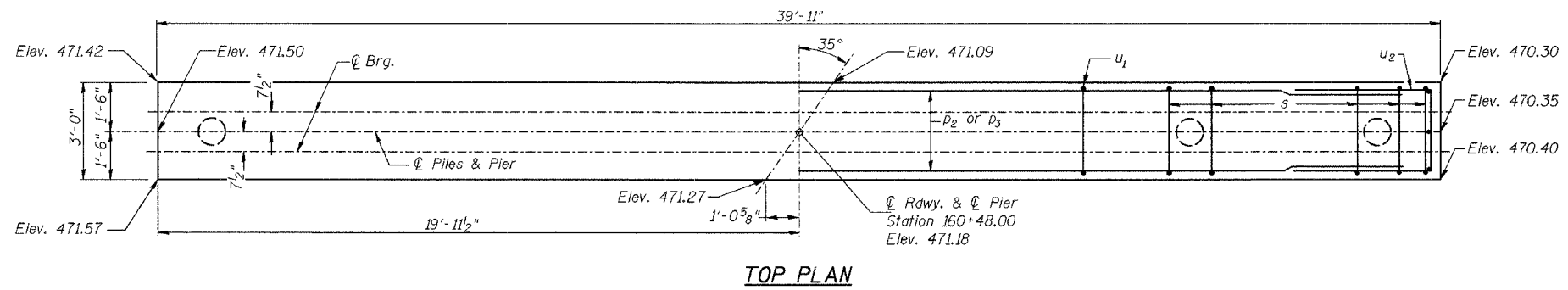
**NOTES**

- The Backwall and the portion of the Wingwalls above the bonded construction joint shall be cast against the in-place beam.
- Reinforcement bars shall conform to A.A.S.H.T.O. M-31 or M-322, Grade 60.

**EAST ABUTMENT DETAILS**  
**C.H. 19 OVER CONOVER BRANCH**  
**SECTION 02-00088-00-BR**  
**MORGAN COUNTY**  
**STATION 160+96.19**

**NOTES:**  
All edges shall have standard  $\frac{3}{4}$ " chamfer.

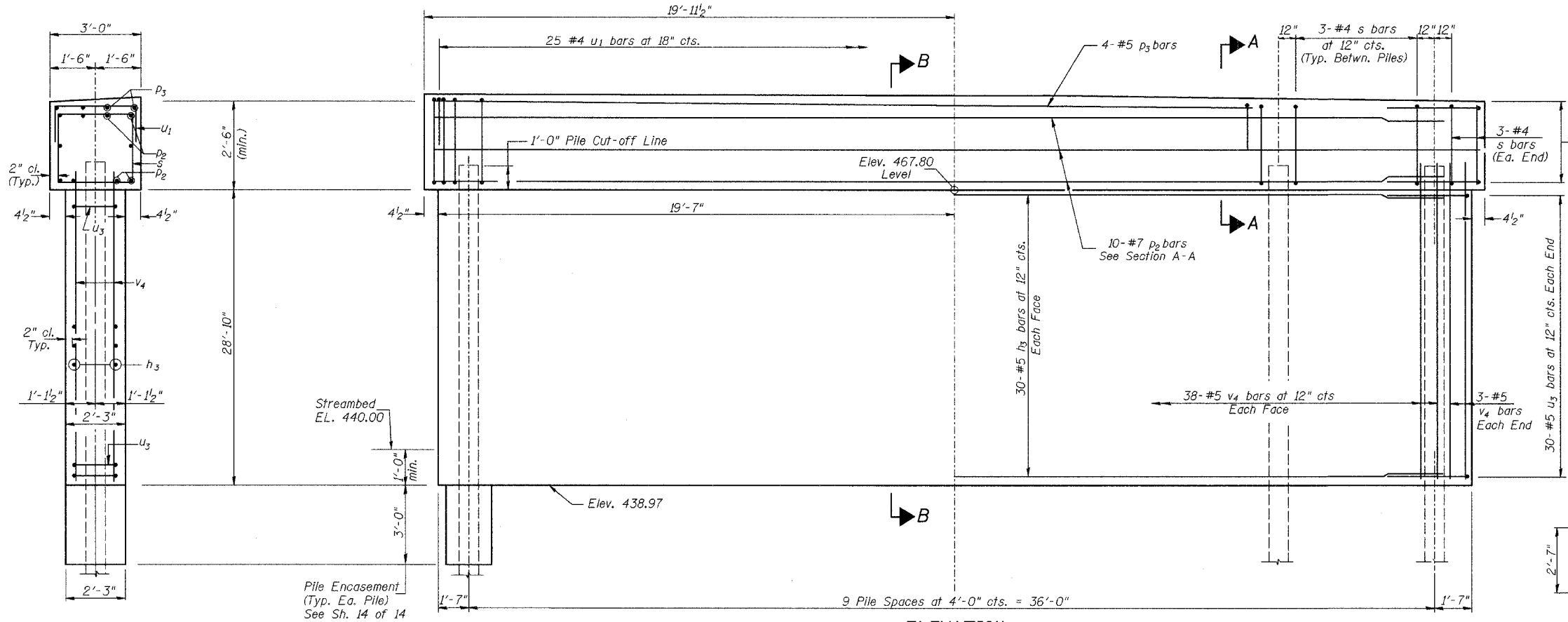
93388  
\*02-00088-00-BR



**PIER #1  
BILL OF MATERIAL**

BAR	NO.	SIZE	LENGTH	SHAPE
$h_3$	60	#5	36'-7"	—
$p_2$	10	#7	39'-7"	—
$p_3$	4	#5	35'-10"	—
$s$	33	#4	10'-5"	□
$u_1$	25	#4	6'-4"	□
$u_2$	6	#6	11'-7"	□
$u_3$	60	#5	7'-0"	□
$v_4$	82	#5	29'-8"	—
Concrete Structures			CU YD	95.4
Reinforcement Bars			POUND	6,660
Structure Excavation			CU YD	60
Furnishing Metal Pile Shells 14"			FOOT	756
Driving and Filling Shells			FOOT	756
Test Pile Metal Shells			EACH	1
Concrete Encasement			CU YD	4.4
Underwater Structure Excavation Protection, Location 1			EACH	1

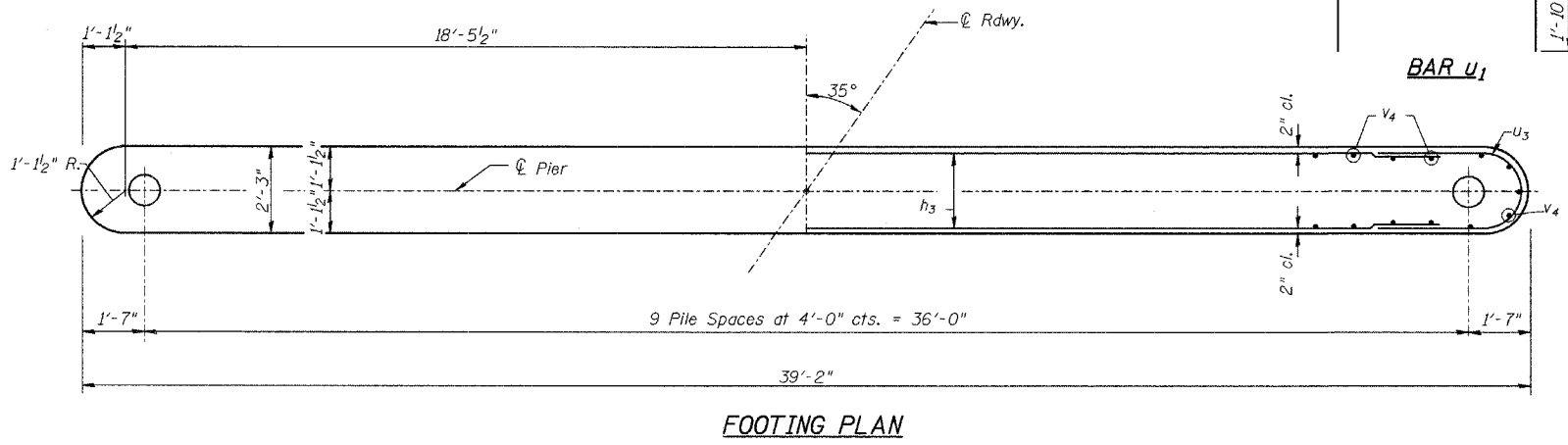
① See Special Provisions



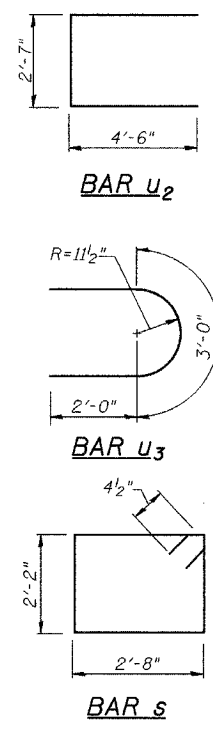
**SECTION B-B**

**ELEVATION  
(Looking Upstation)**

**PILE DATA**  
Type: 14" Metal Shell  
Capacity: 65 Tons  
Est. Length: 84'  
No. Req'd.: 10 (Includes 1 Test Pile)



**FOOTING PLAN**



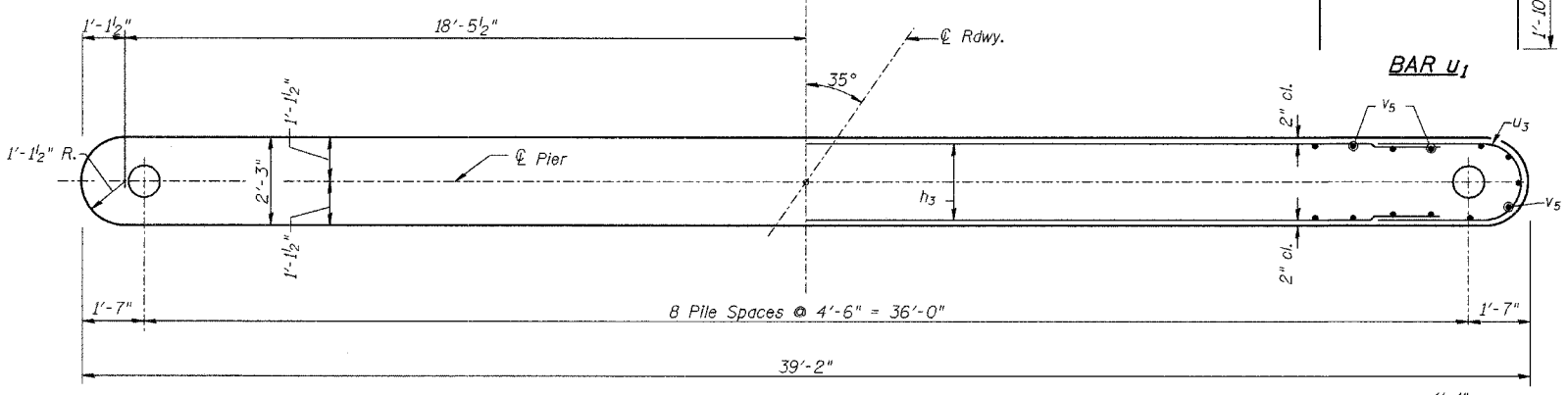
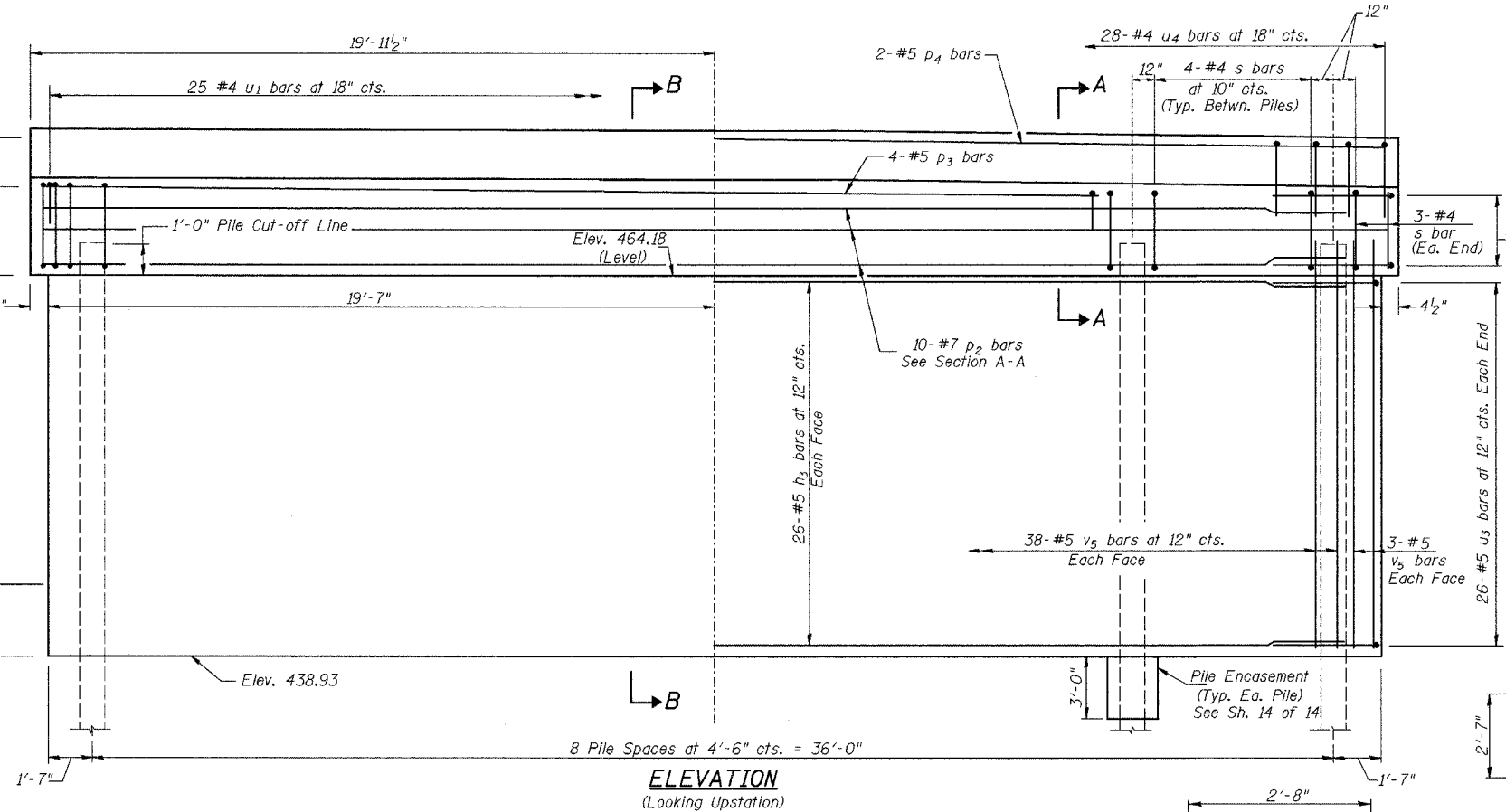
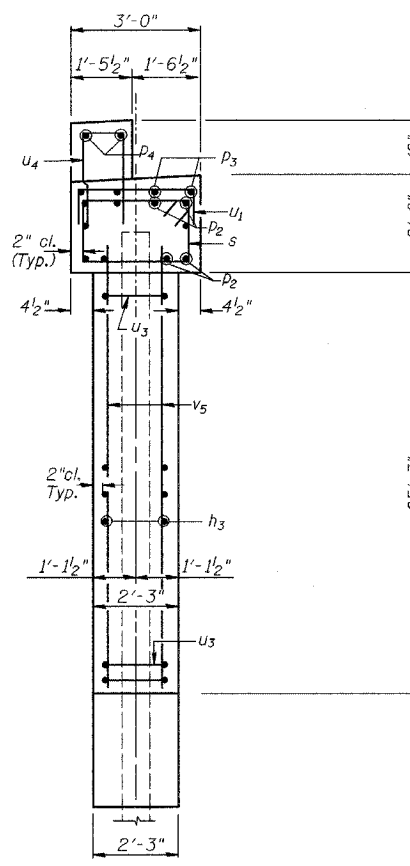
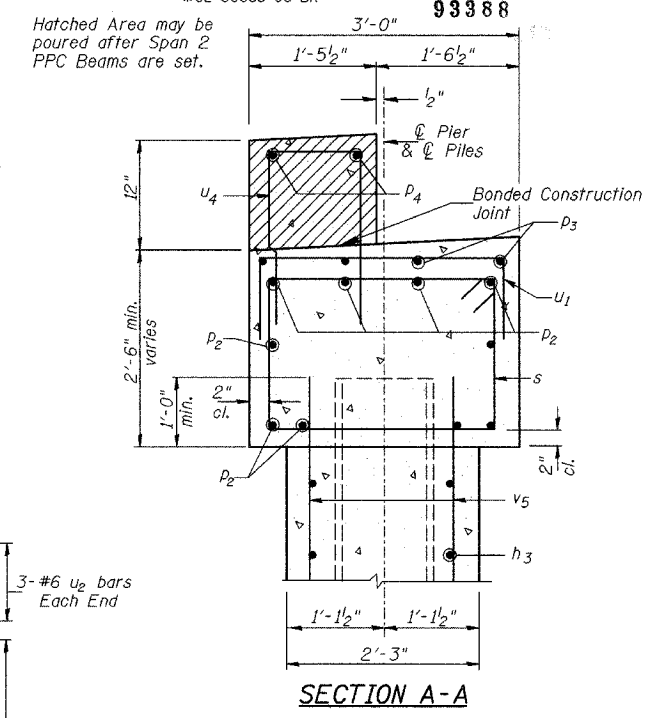
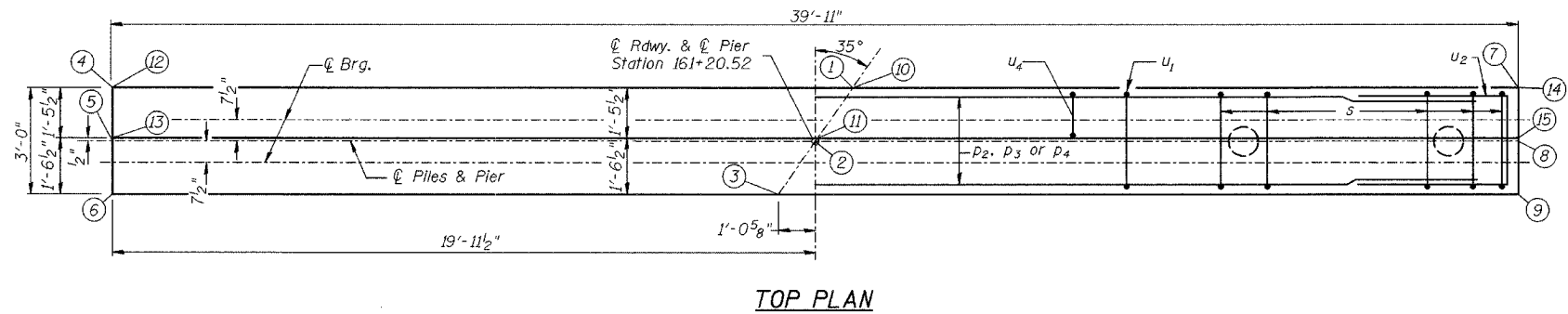
**PIER #1  
C.H. 19 OVER CONOVER BRANCH  
SECTION 02-00088-00-BR  
MORGAN COUNTY  
STATION 160+96.19**



NOTES:  
All edges shall have standard  
3/4" chamfer.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 19	*	MORGAN	76	33
FED. ROAD DIST. NO. 7		ILLINOIS	PROJECT RS-BRS-611(106)	
*02-00088-00-BR				

SHEET NO. 12  
14 SHEETS



**TABLE OF ELEVATIONS**

LOCATION	DESCRIPTION	ELEVATION
①	Top of Cap	467.47
②	Top of Cap	467.56
③	Top of Cap	467.65
④	Top of Cap	467.80
⑤	Top of Cap	467.88
⑥	Top of Cap	467.95
⑦	Top of Cap	466.68
⑧	Top of Cap	466.73
⑨	Top of Cap	466.78
⑩	Top of Step	468.47
⑪	Top of Step	468.56
⑫	Top of Step	468.80
⑬	Top of Step	468.88
⑭	Top of Step	467.68
⑮	Top of Step	467.73

**PILE DATA**  
Type: 14" Metal Shell  
Capacity: 65 Tons  
Est. Length: 90'  
No. Req'd: 9 (Includes 1 Test Pile)

**PIER #2  
BILL OF MATERIAL**

BAR	NO.	SIZE	LENGTH	SHAPE
h3	52	#5	36'-7"	—
p2	10	#7	39'-7"	—
p3	4	#5	35'-10"	—
p4	2	#5	39'-7"	—
s	38	#4	10'-5"	□
u1	25	#4	6'-4"	□
u2	6	#6	11'-7"	□
u3	52	#5	7'-0"	□
u4	28	#4	4'-9"	□
v5	82	#5	26'-1"	—
Concrete Structures		CU YD	88.4	
Reinforcement Bars		POUND	6,200	
Structure Excavation		CU YD	75	
Furnishing Metal Pile Shells 14"		FOOT	720	
Driving and Filling Shells		FOOT	720	
Test Pile Metal Shells		EACH	1	
Concrete Encasement		CU YD	4.0	
Underwater Structure Excavation Protection, Location 2		EACH	1	

① See Special Provisions

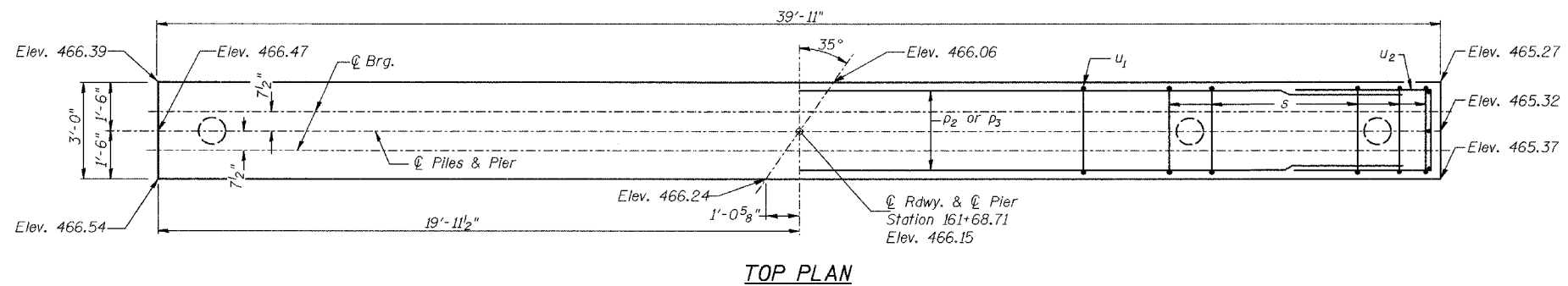
**PIER #2  
C.H. 19 OVER CONOVER BRANCH  
SECTION 02-00088-00-BR  
MORGAN COUNTY  
STATION 160+96.19**

**NOTES:**  
All edges shall have standard  $\frac{3}{4}$ " chamfer.

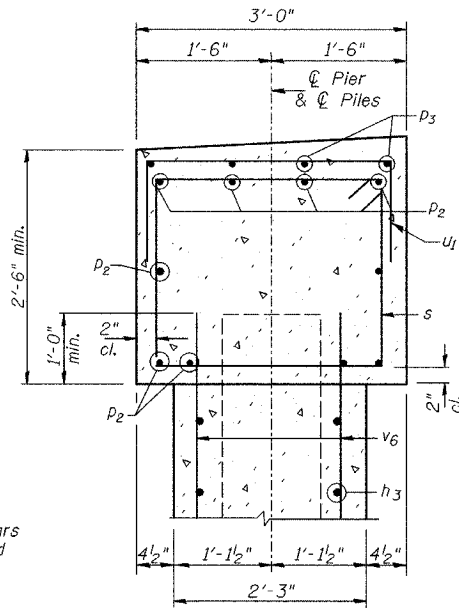
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 19	*	MORGAN	76	34
FED. ROAD DIST. NO. 7		ILLINOIS	PROJECT RS-BRS-611(106)	

SHEET NO. 13  
14 SHEETS

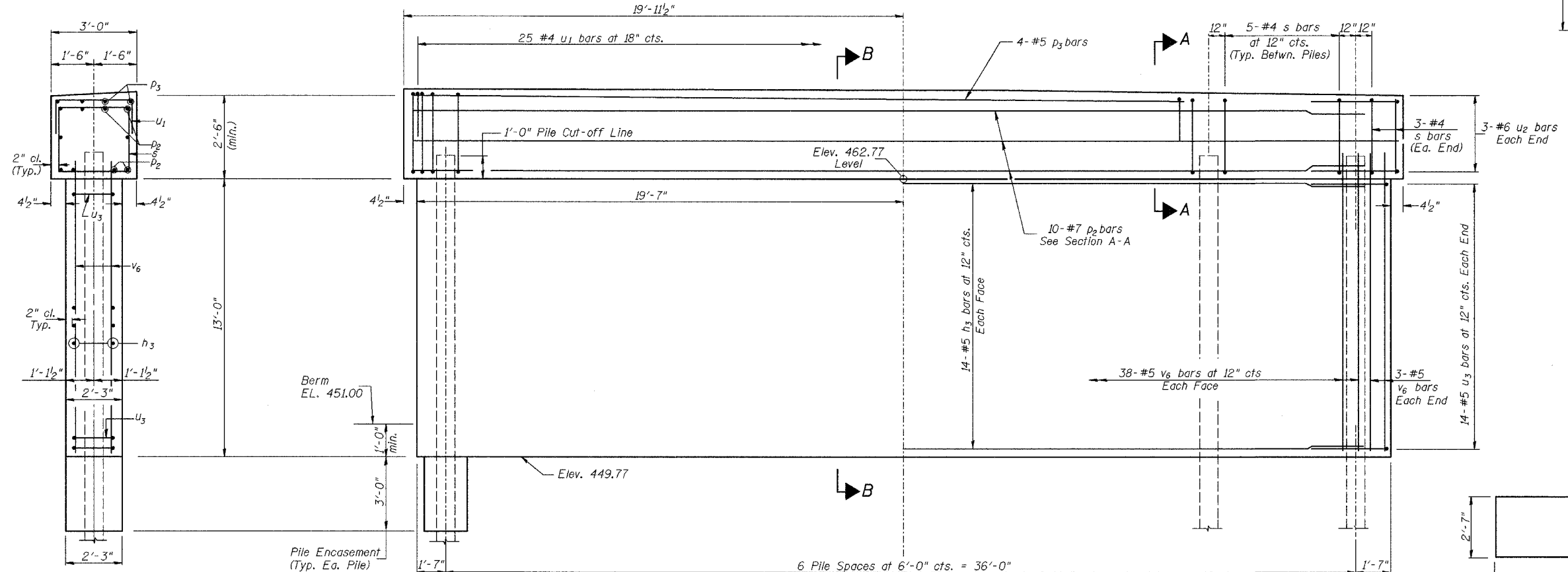
\*02-00088-00-BR  
**93388**



**TOP PLAN**



**SECTION A-A**



**ELEVATION**  
(Looking Upstation)

**SECTION B-B**

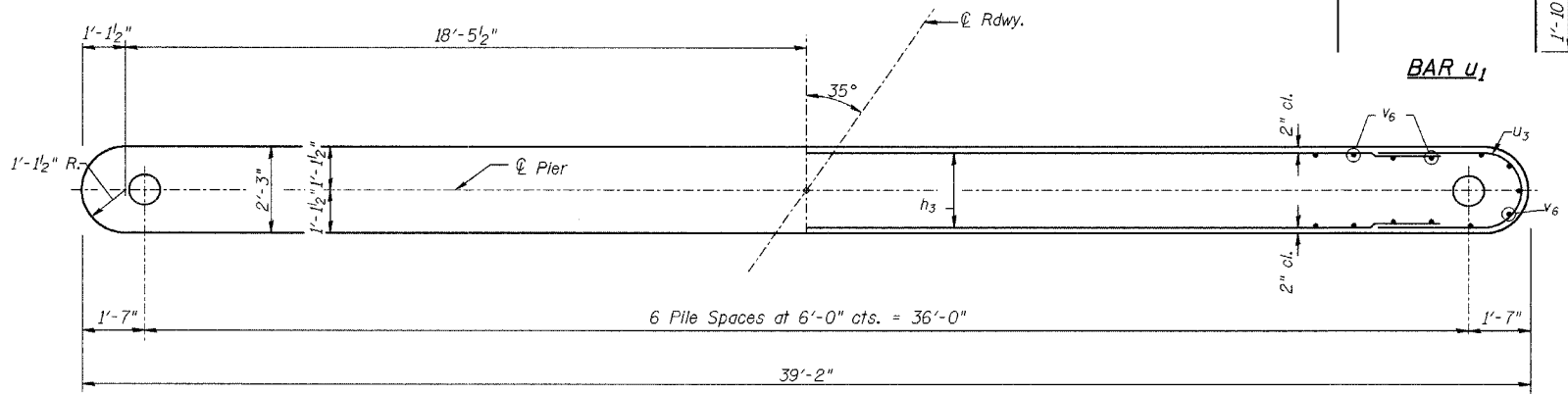
Pile Encasement  
(Typ. Ea. Pile)  
See Sh. 14 of 14  
For Details

**PIER #3**  
**BILL OF MATERIAL**

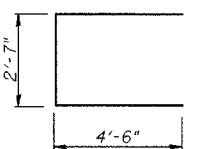
BAR	NO.	SIZE	LENGTH	SHAPE
$h_3$	28	#5	36'-7"	—
$p_2$	10	#7	39'-7"	—
$p_3$	4	#5	35'-10"	—
$s$	36	#4	10'-5"	□
$u_1$	25	#4	6'-4"	┌
$u_2$	6	#6	11'-7"	┌
$u_3$	28	#5	7'-0"	┌
$v_6$	82	#5	13'-10"	—
Concrete Structures			CU YD	52.3
Reinforcement Bars			POUND	3,880
Structure Excavation			CU YD	10
Furnishing Metal Pile Shells 14"			FOOT	480
Driving and Filling Shells			FOOT	480
Test Pile Metal Shells			EACH	1
Concrete Encasement			CU YD	3.1

① See Special Provisions

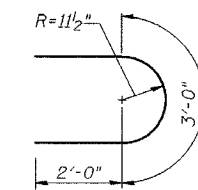
**PILE DATA**  
Type: 14" Metal Shell  
Capacity: 60 Tons  
Est. Length: 80'  
No. Req'd.: 7 (Includes 1 Test Pile)



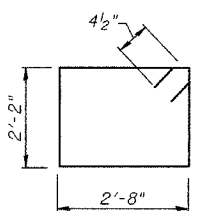
**FOOTING PLAN**



**BAR u2**



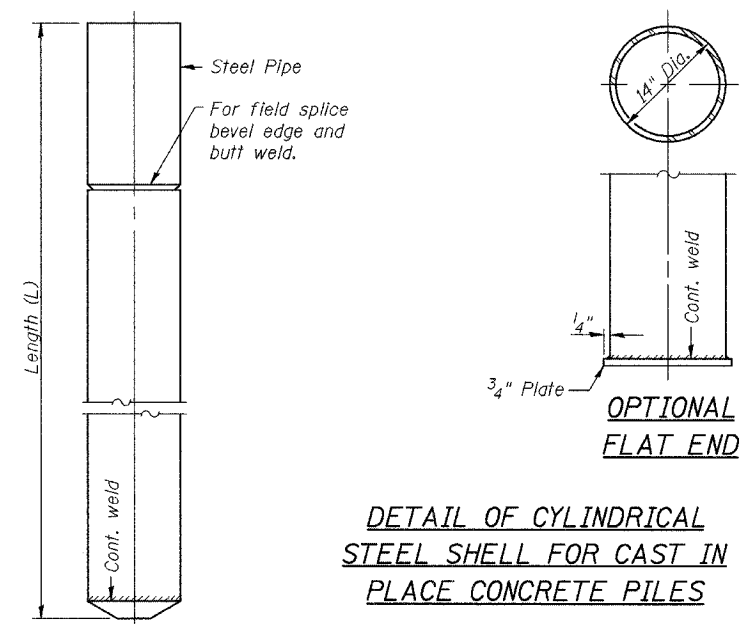
**BAR u3**



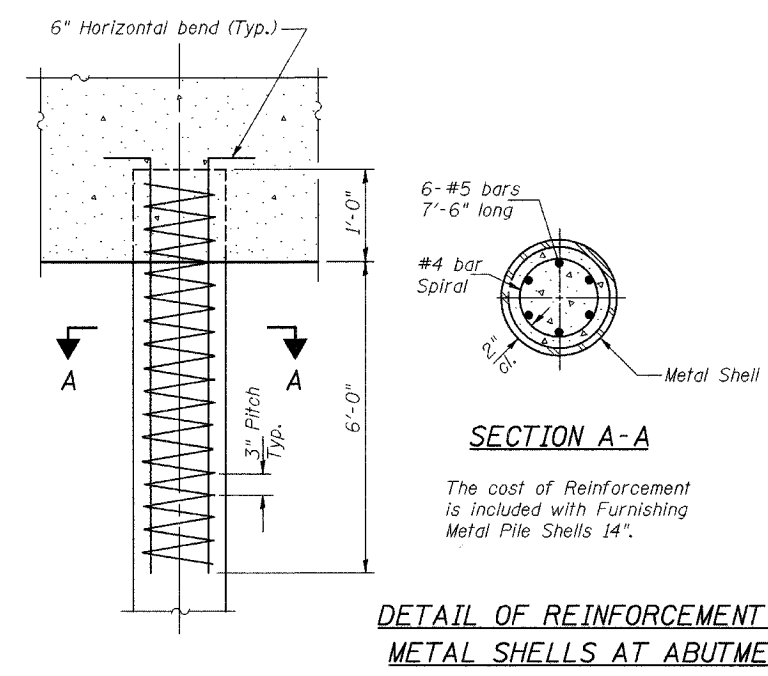
**BAR s**

**PIER #3**  
**C.H. 19 OVER CONOVER BRANCH**  
**SECTION 02-00088-00-BR**  
**MORGAN COUNTY**  
**STATION 160+96.19**

Notes: Driving and bearing ends of pipe shall be cut square. The thickness of the shell shall be 0.250 inches with a tolerance of 5%. The shell shall be according to Article 1006.05(a) of the Standard Specifications.

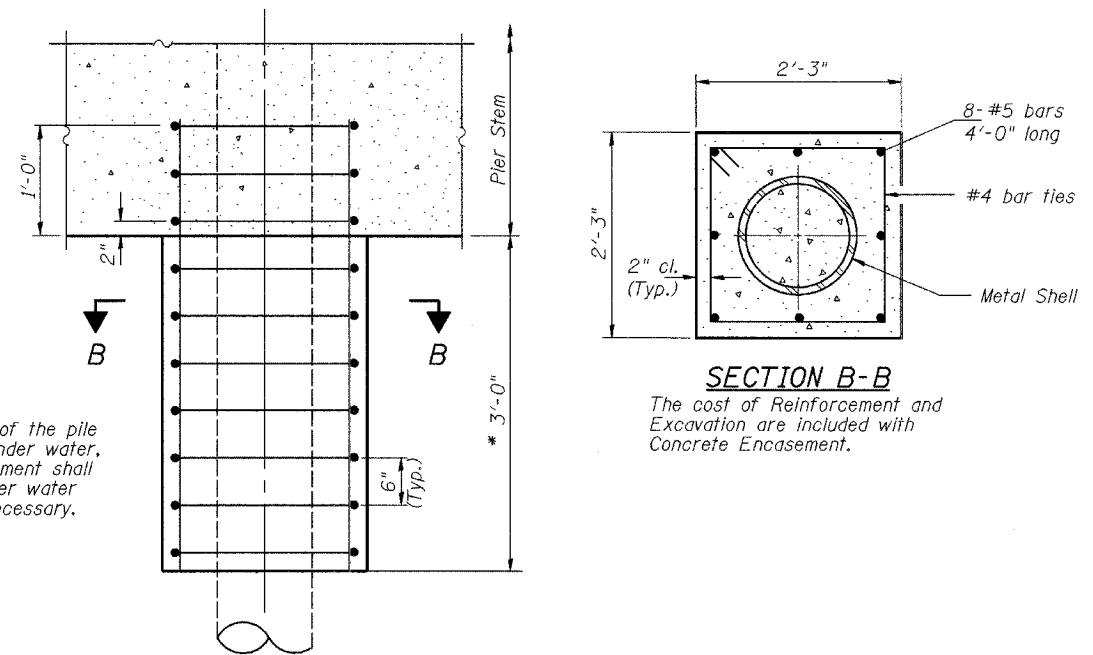


**DETAIL OF CYLINDRICAL STEEL SHELL FOR CAST IN PLACE CONCRETE PILES**

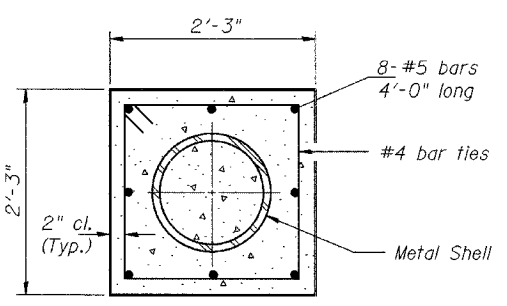


**DETAIL OF REINFORCEMENT FOR METAL SHELLS AT ABUTMENTS**

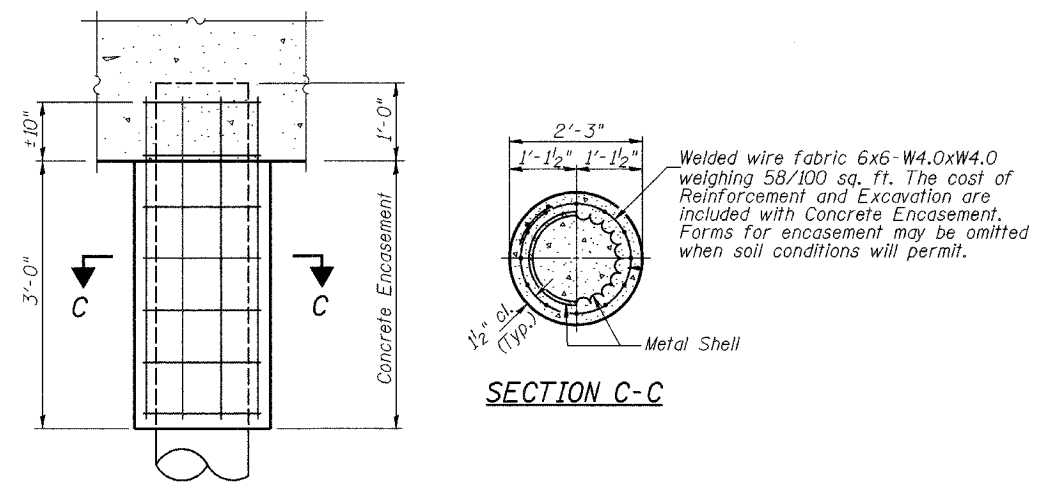
The cost of Reinforcement is included with Furnishing Metal Pile Shells 14".



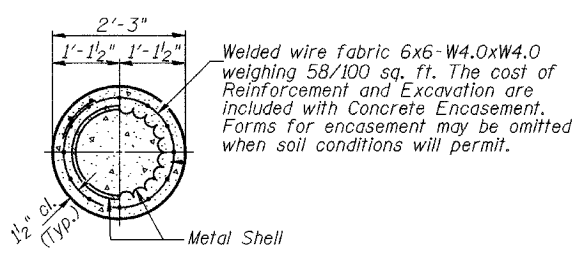
**DETAIL OF PROTECTION FOR METAL SHELLS AT PIERS**



**SECTION B-B**  
The cost of Reinforcement and Excavation are included with Concrete Encasement.



**DETAIL OF METAL SHELL PILE ENCASEMENT AT ABUTMENTS**

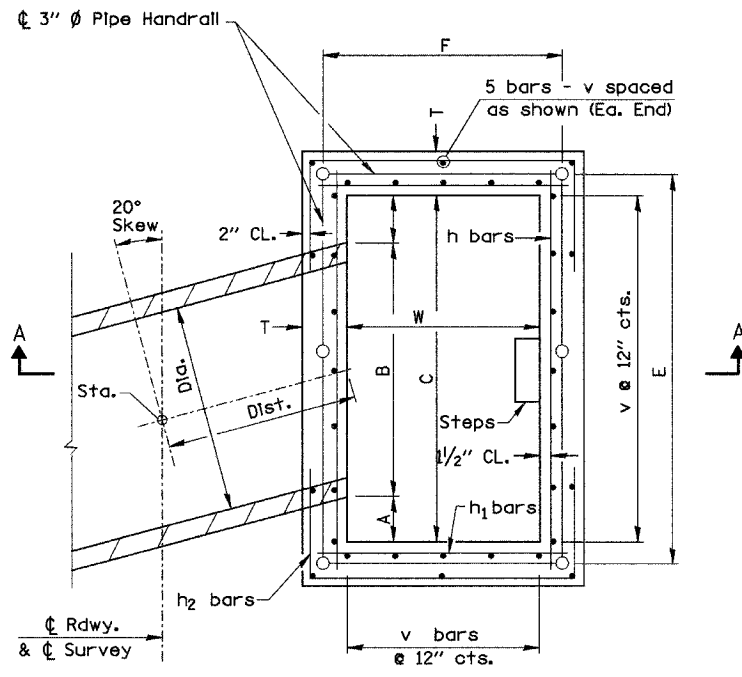


**SECTION C-C**

Welded wire fabric 6x6-W4.0xW4.0 weighing 58/100 sq. ft. The cost of Reinforcement and Excavation are included with Concrete Encasement. Forms for encasement may be omitted when soil conditions will permit.

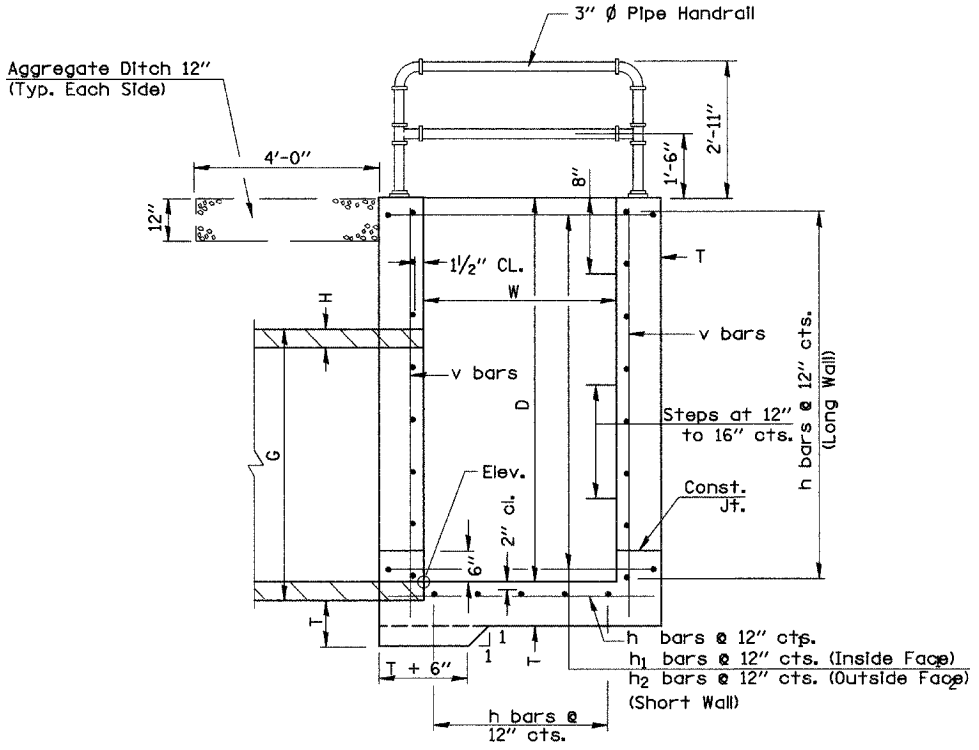
\* If a portion of the pile encasement is under water, Concrete Encasement shall be tremmied under water into forms as necessary.

**PILE DETAILS**  
C.H. 19 OVER CONOVER BRANCH  
SECTION 02-00088-00-BR  
MORGAN COUNTY  
STATION 160+96.19



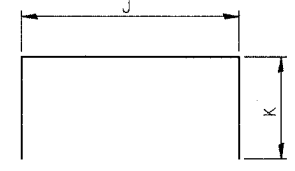
PLAN  
(Typical)

- NOTES**
1. Bend or cut rein. bars as needed to clear pipe culvert.
  2. Maximum spacing between vertical members for the pipe handrail shall be 6'-0" c. to c.
  3. Cut Precast Pipe Culvert on Skew so that end of pipe is flush with drop box.



SECTION A-A

- GENERAL NOTES**
1. Class SI Concrete shall be used throughout.
  2. The steps shall be constructed in accordance with Standard 602701
  3. Base plates for pipe handrail shall be anchored to the concrete drop box by 1/2 inch diameter bolts embedded 6 inches. Lead expander devices meeting the approval of the Engineer shall be used to hold the bolts securely in place.
  4. The contractor may choose to assemble the rail by welding or by the use of threaded fittings.
  5. Aggregate Ditch shall be included with Concrete Box Culverts.



BAR h<sub>2</sub>

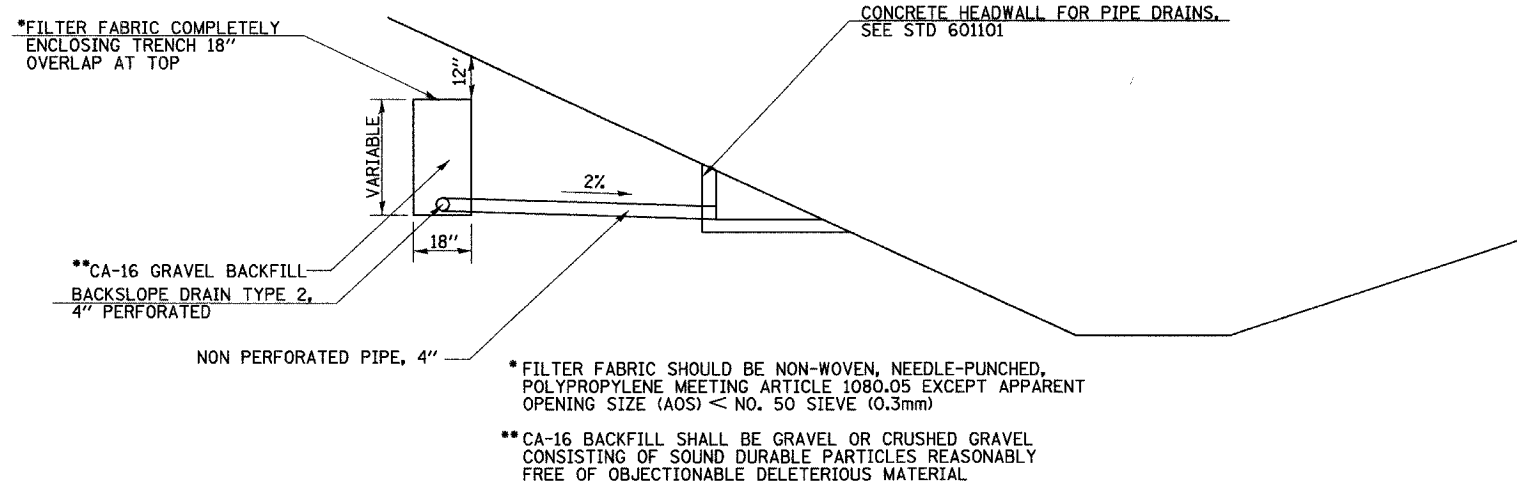
**DROP BOX DATA**

Station	50+45	
Skew	20° RT	
Dist.	62.51'	
Side	RT	
Pipe Dia.	48"	
Elev.	458.21	
A	0'-5 7/8"	
B	5'-1 3/4"	
C	6'-0"	
D	7'-3 5/8"	
E	6'-8"	
F	4'-8"	
G	4'-10"	
H	0'-5"	
T	0'-8"	
W	4'-0"	
h Bars	No.	21
	Size	#4
	Length	7'-0"
h <sub>1</sub> Bars	No.	24
	Size	#4
	Length	5'-0"
h <sub>2</sub> Bars	No.	16
	Size	#4
	J	5'-0"
	K	2'-0"
v bars	Length	9'-0"
	No.	34
	Size	#4
Concrete Box Culverts	Length	7'-7 1/2"
	Cu. Yd.	5.3
Reinforcement Bars	Lbs.	405
Pipe Handrail	Lin. Ft.	22'-8"

REVISIONS	
NAME	DATE

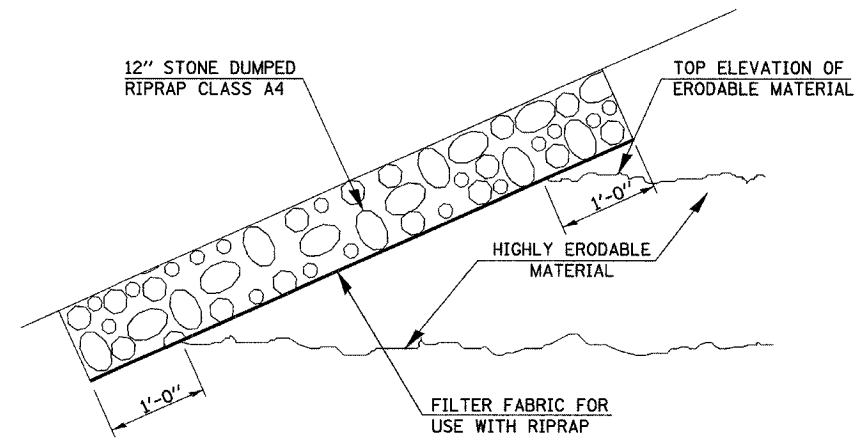
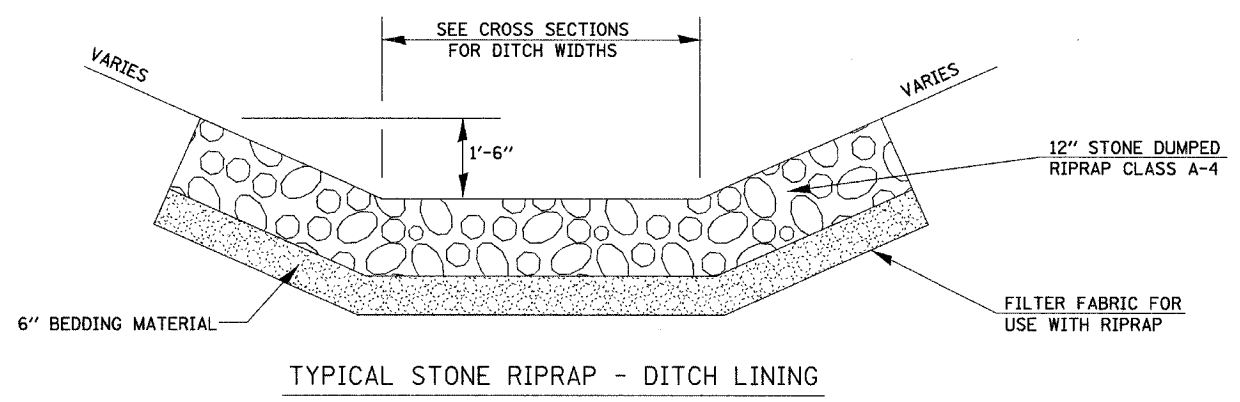
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DROP BOX DETAIL**  
 FAS RTE 611 SEC. 02-00088-00-BR  
 COUNTY HIGHWAY 19  
 MORGAN COUNTY  
 STATION 50+45

SCALE: \_\_\_\_\_ DRAWN BY KLS  
 DATE \_\_\_\_\_ CHECKED BY JRB



DETAIL OF BACKSLOPE DRAINS

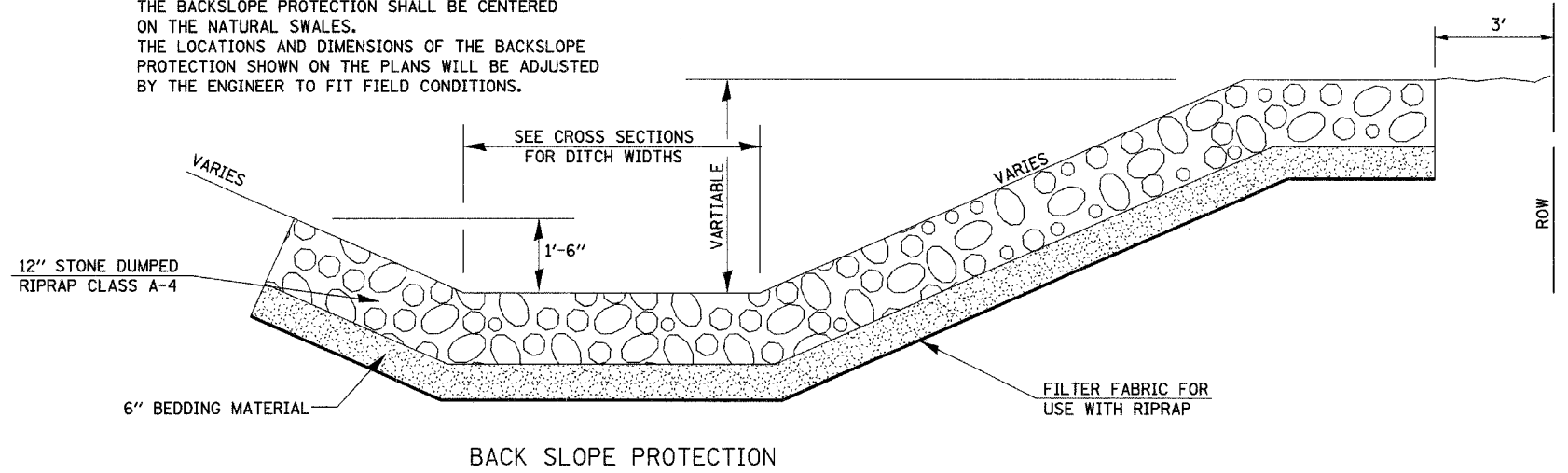
THE LOCATIONS AND ELEVATIONS OF THE BACKSLOPE DRAINS WILL BE ADJUSTED BY THE ENGINEER TO FIT FIELD CONDITIONS. SEE CROSS SECTIONS FOR ESTIMATED OFFSETS AND ELEVATIONS



NOTE: RIPRAP CLASS B3 SHALL NOT BE USED IN DITCHES OR SWALES.

TYPICAL STONE RIPRAP - SLOPE PROTECTION  
LOCATED AS DIRECTED BY ENGINEER

THE BACKSLOPE PROTECTION SHALL BE CENTERED ON THE NATURAL SWALES. THE LOCATIONS AND DIMENSIONS OF THE BACKSLOPE PROTECTION SHOWN ON THE PLANS WILL BE ADJUSTED BY THE ENGINEER TO FIT FIELD CONDITIONS.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

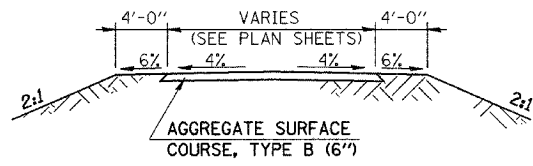
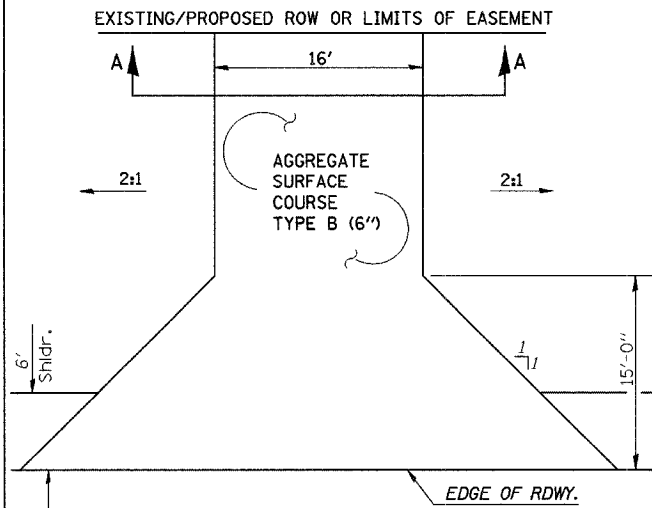
SPECIAL DETAILS

SCALE:  
DATE

DRAWN BY KLS  
CHECKED BY JRB

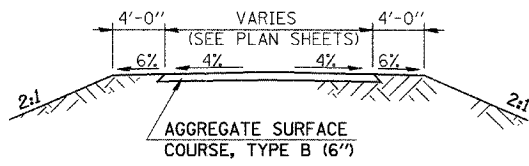
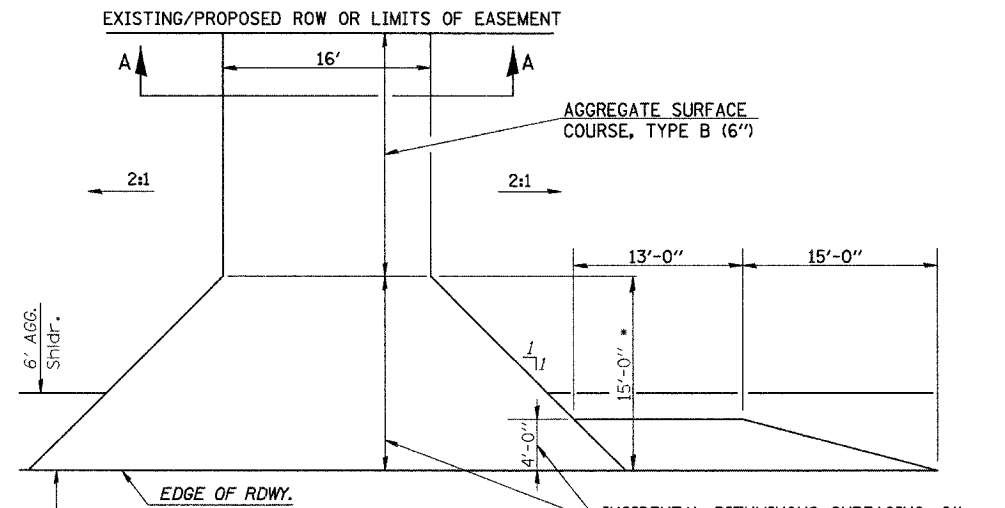
RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00088-00-BR	MORGAN	76	38	
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

\* COUNTY HIGHWAY 19 (FAS 611)  
**CONTRACT NO. 93388**



SECTION A-A

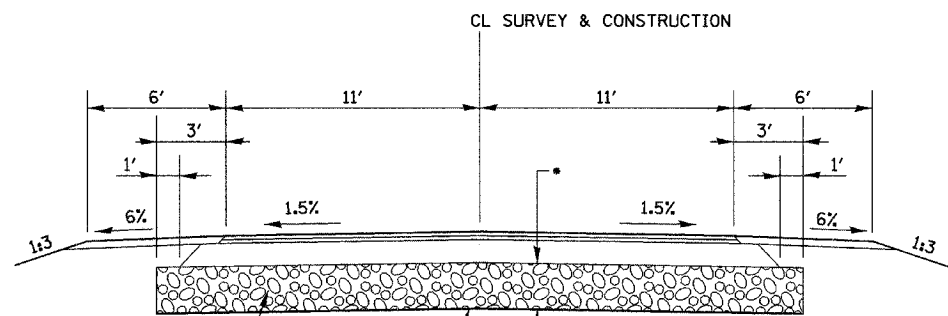
**PROPOSED FIELD ENTRANCE**



SECTION A-A

**PROPOSED PRIVATE ENTRANCE WITH MAILBOX TURNOUT**

\* FOR THE PRIVATE ENTRANCE RT. STATION 152+52, MATCH THE EXISTING RETURNS INSTEAD OF 15' FLARES.  
 SEE STD BLR 24 FOR MAILBOX TURNOUTS.



PROPOSED ROCK FILL

PROPOSED GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

**SUBGRADE REPLACEMENT**

\* 18" OR AS DIRECTED BY THE ENGINEER

AREAS OF SUBGRADE REPLACEMENT TO BE DETERMINED BY THE ENGINEER.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**SPECIAL DETAILS**

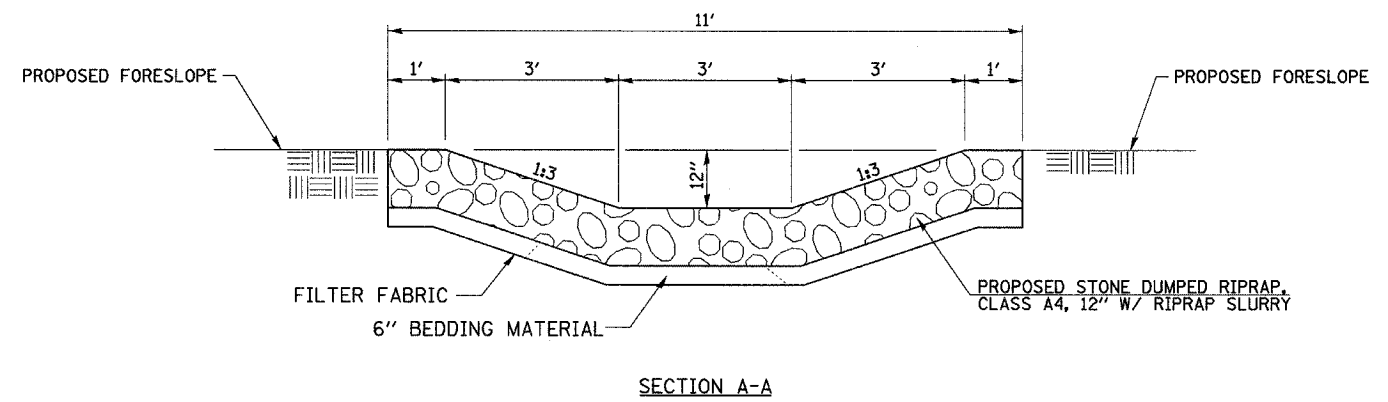
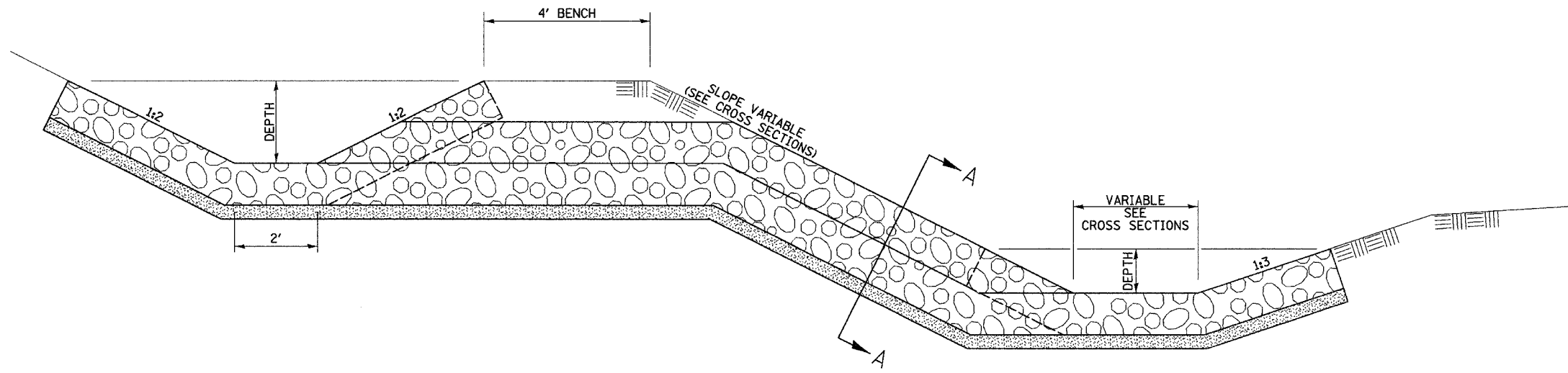
SCALE:  
DATE

DRAWN BY KLS  
CHECKED BY JRB

RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00088-00-BR		MORGAN	76	39

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

\* COUNTY HIGHWAY 19 (FAS 611)  
**CONTRACT NO. 93388**



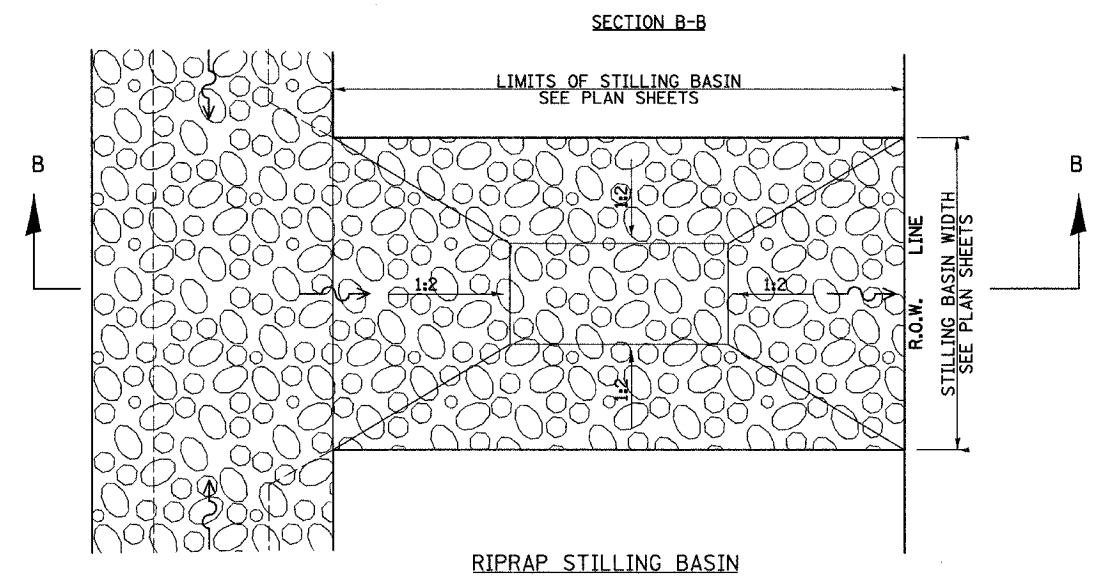
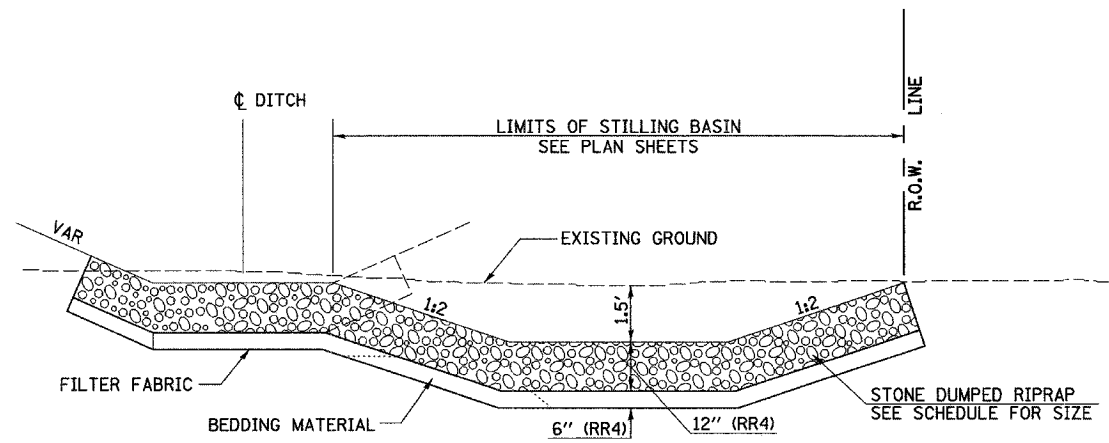
DETAIL OF BENCH OUTLET AND RIPRAP OUTLET SLOPE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SPECIAL DETAILS

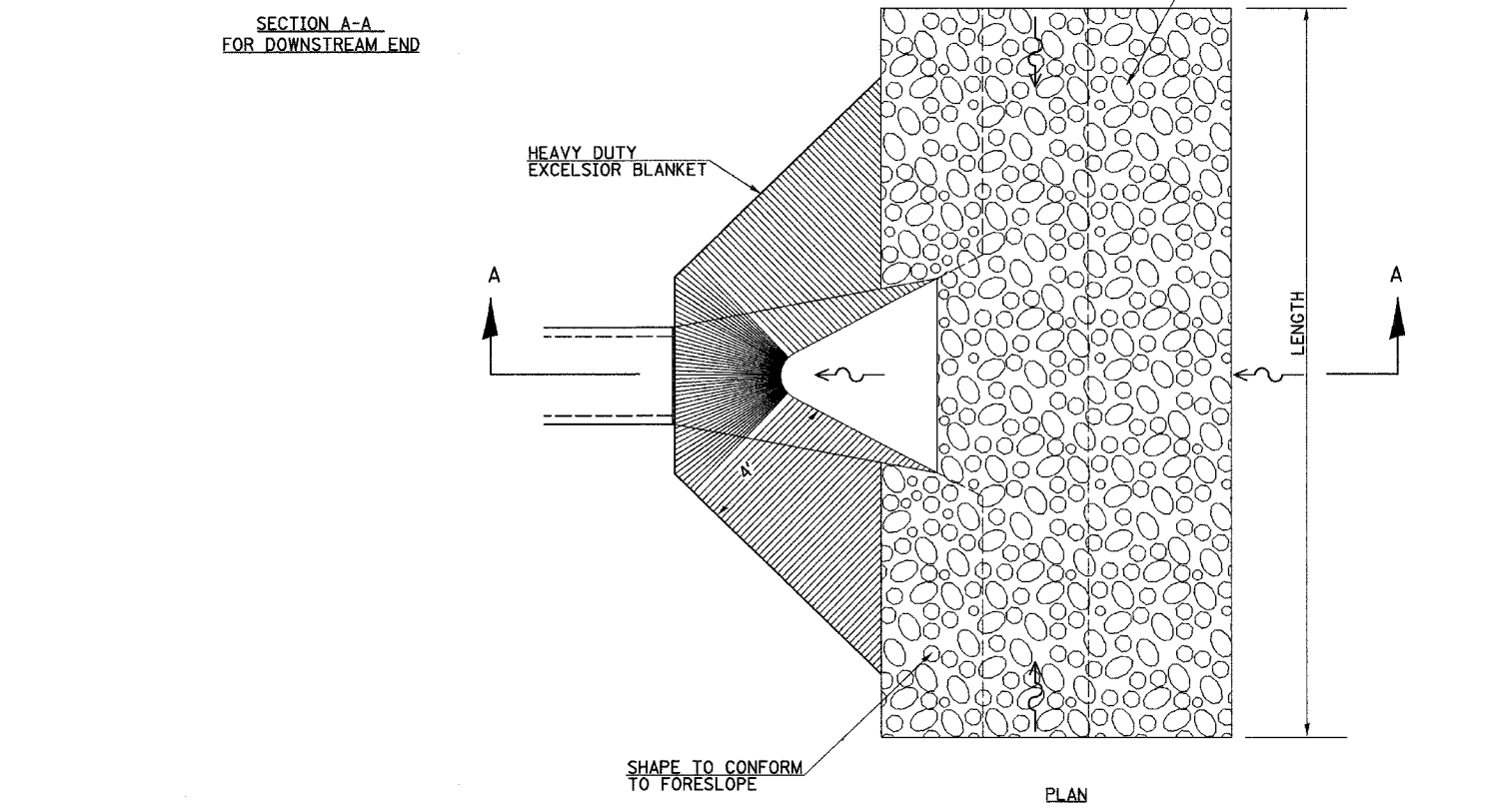
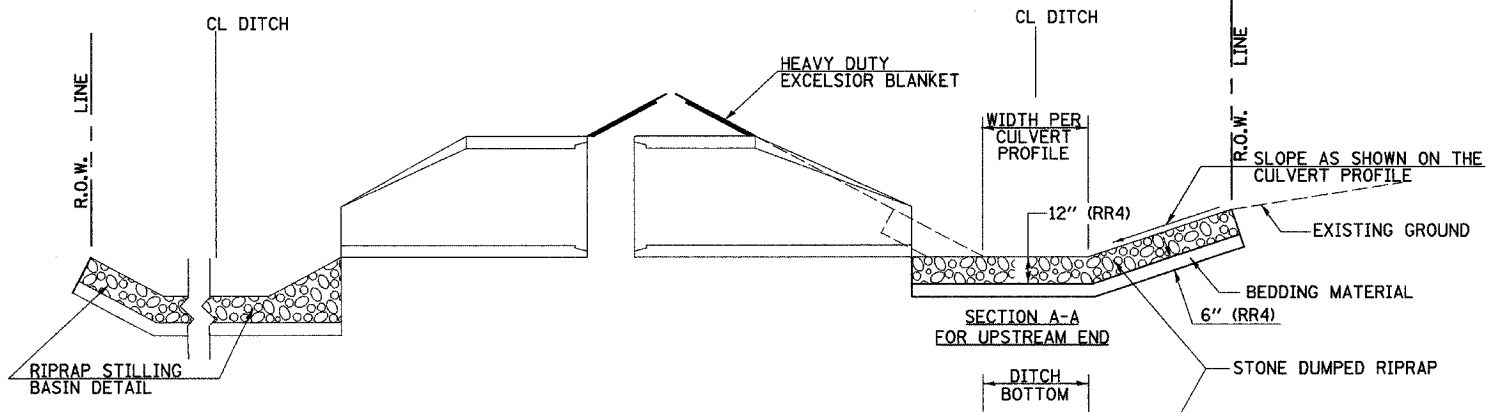
SCALE: DATE DRAWN BY KLS CHECKED BY JRB



RIPRAP STILLING BASIN

**NOTES:**

- STILLING BASINS SHALL BE CONSTRUCTED AT THE SAME TIME AS THE CULVERT OR DITCH.
- STILLING BASINS ARE TO BE CONSTRUCTED AT LOCATIONS INDICATED WITH THE FOLLOWING SYMBOL [SB]
- RIPRAP STILLING BASINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 281 OF THE STANDARD SPECIFICATIONS.
- THE EXACT LENGTH, WIDTH, AND DEPTH FOR RIPRAP PLACEMENT WILL BE DETERMINED BY THE ENGINEER.
- THE RIPRAP MATERIAL SHALL CONFORM TO CLASS A QUALITY.
- FILTER FABRIC WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR FILTER FABRIC FOR USE WITH RIPRAP.



PLAN

REVISIONS	
NAME	DATE

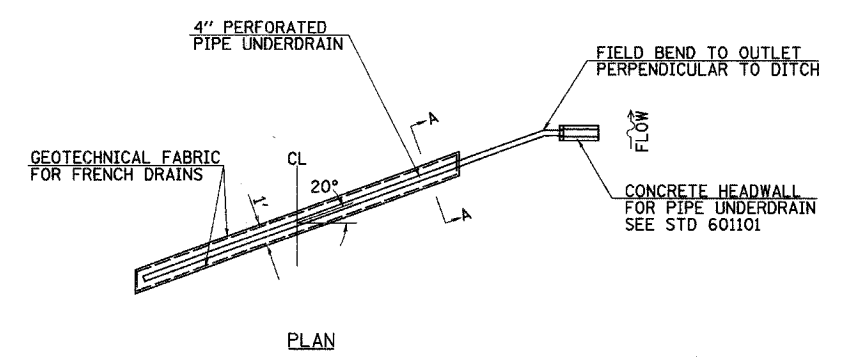
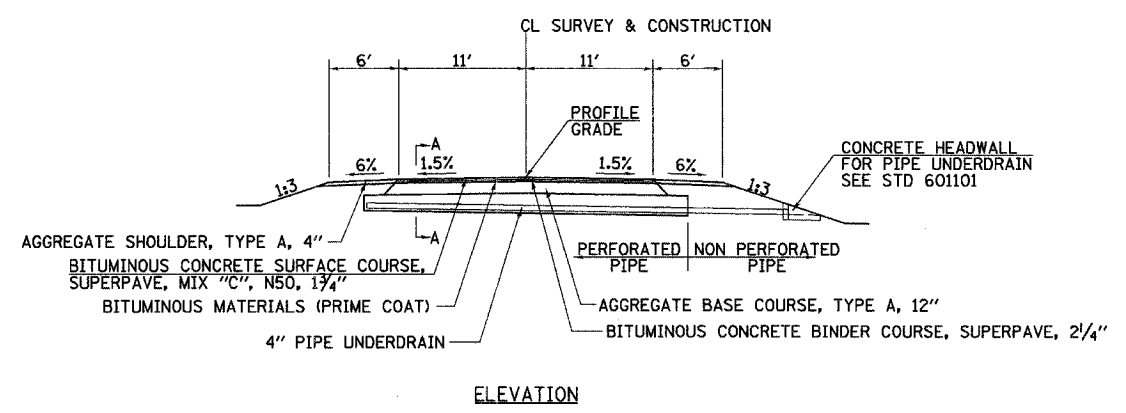
ILLINOIS DEPARTMENT OF TRANSPORTATION

**SPECIAL DETAILS**

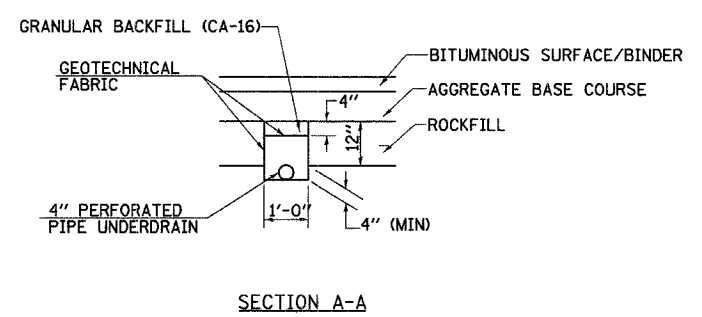
SCALE: \_\_\_\_\_ DATE \_\_\_\_\_

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CHECKED BY JRB

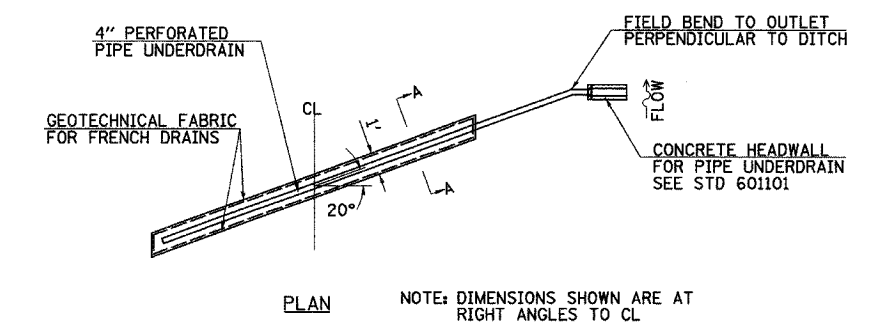
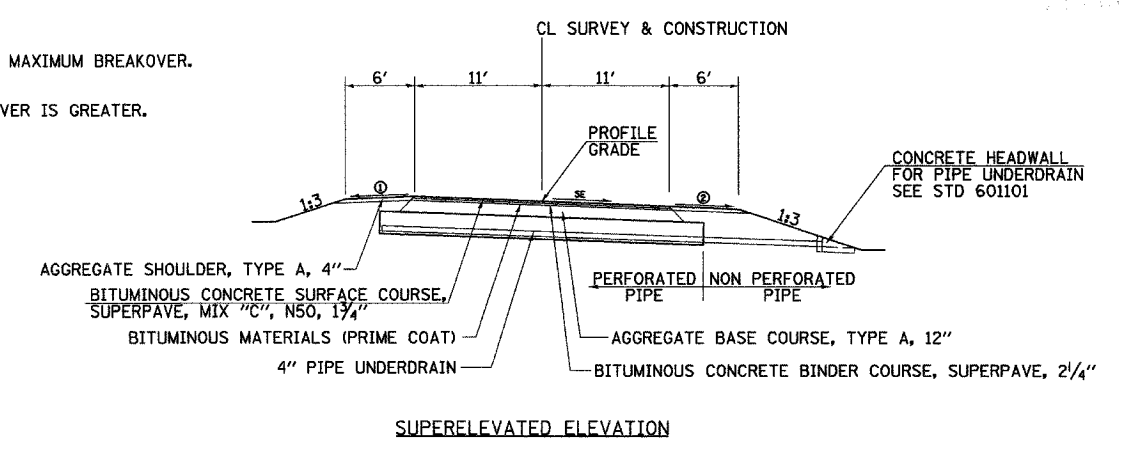




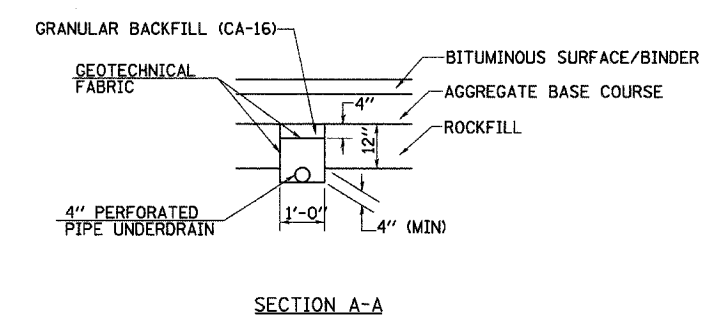
**TRANSVERSE DRAIN TANGENT PAVEMENT**



- NOTES:**
- ① HIGH SIDE  
6% & VARIES, 10% MAXIMUM BREAKOVER.
  - ② LOW SIDE  
6% OR SE, WHICHEVER IS GREATER.



**TRANSVERSE DRAIN SUPERELEVATED PAVEMENT**



**GENERAL NOTES**

TRANSVERSE DRAIN MATERIALS AND CONSTRUCTION SHALL CONFORM TO SECTION 601 OF THE STANDARD SPECIFICATIONS EXCEPT THAT NO FABRIC ENVELOPE IS REQUIRED ON PERFORATED PIPE AND THE GRANULAR BACKFILL GRADATION SHALL BE CA-16.

GEOTECHNICAL FABRIC SHALL BE NON-WOVEN NEEDLE PUNCHED MATERIAL

ALL MATERIALS WILL NOT BE MEASURED SEPARATELY, BUT WILL BE INCLUDED IN THE COST PER UNIT FOR TRANSVERSE DRAINS.

SKEW TRANSVERSE DRAIN 20° FORWARD IN DIRECTION OF FLOW.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

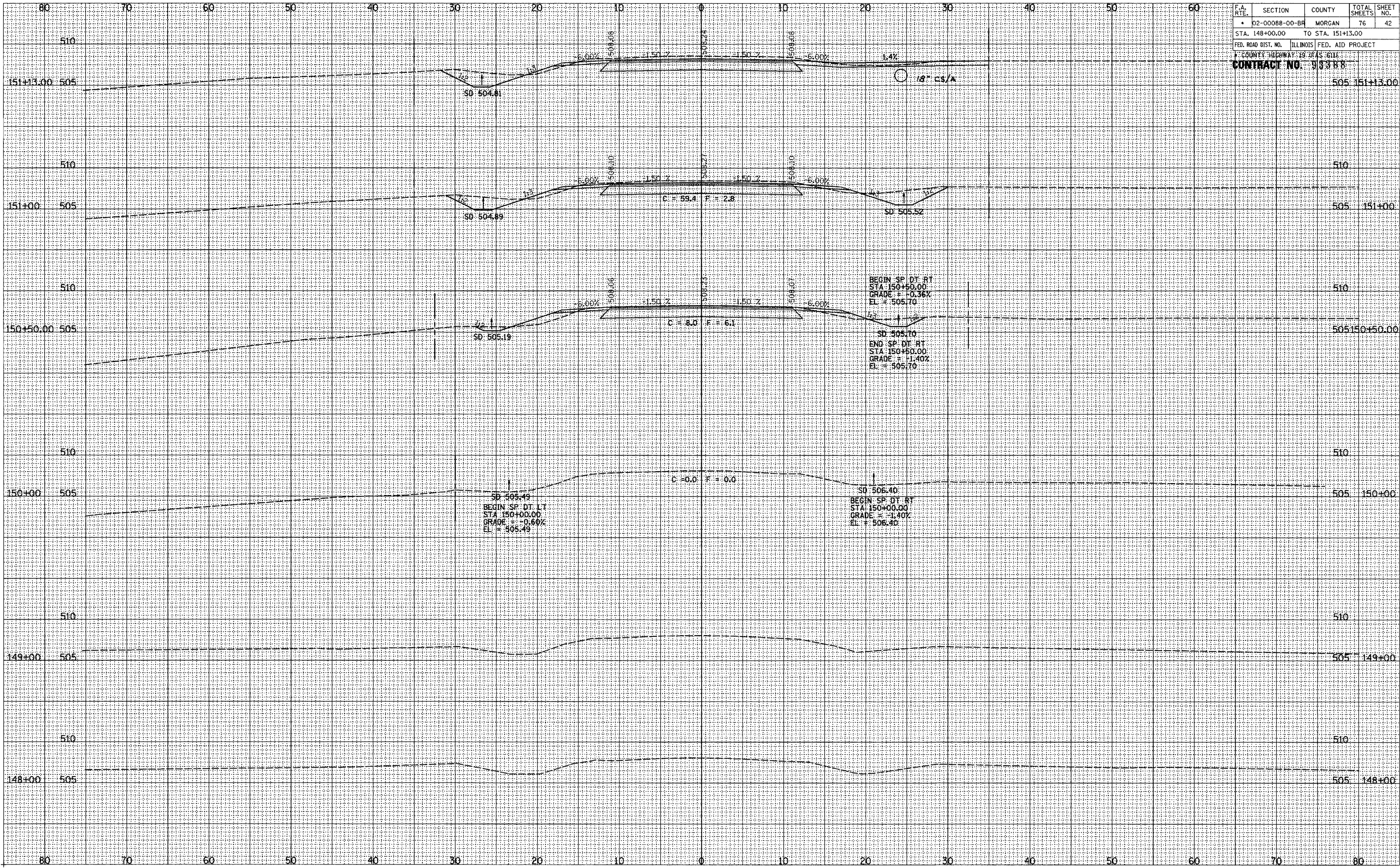
**SPECIAL DETAILS**

DRAWN BY  
CHECKED BY

DATE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 02-00088-00-BF	MORGAN		76	42
STA. 148+00.00		TO STA. 151+13.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
COUNTY HIGHWAY 19		CHAS. 611A		

CONTRACT NO. 93388

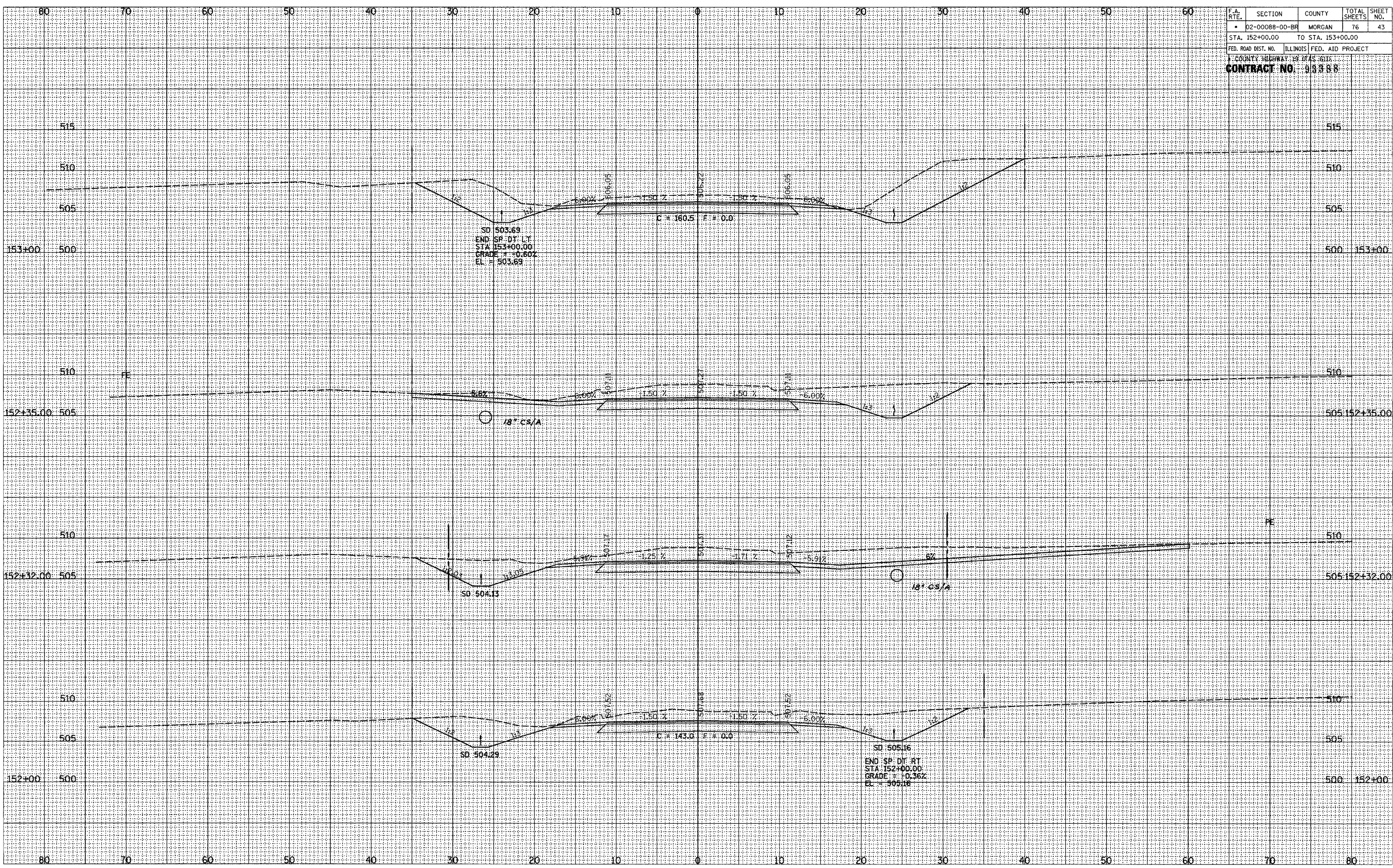


SURVISED	PLOTTED	TEMPLATE	AREAS CHECKED

ORIGINAL SURVEY	NOTE BOOK	AREAS CHECKED

ROADWAY CROSS SECTIONS LITERBERRY-PRENTICE ROAD (CH 19)

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00088-00-BR		MORGAN	76	43
STA. 152+00.00		TO STA. 153+00.00		
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COUNTY HIGHWAY 19 (CH 19)				
<b>CONTRACT NO. 93388</b>				

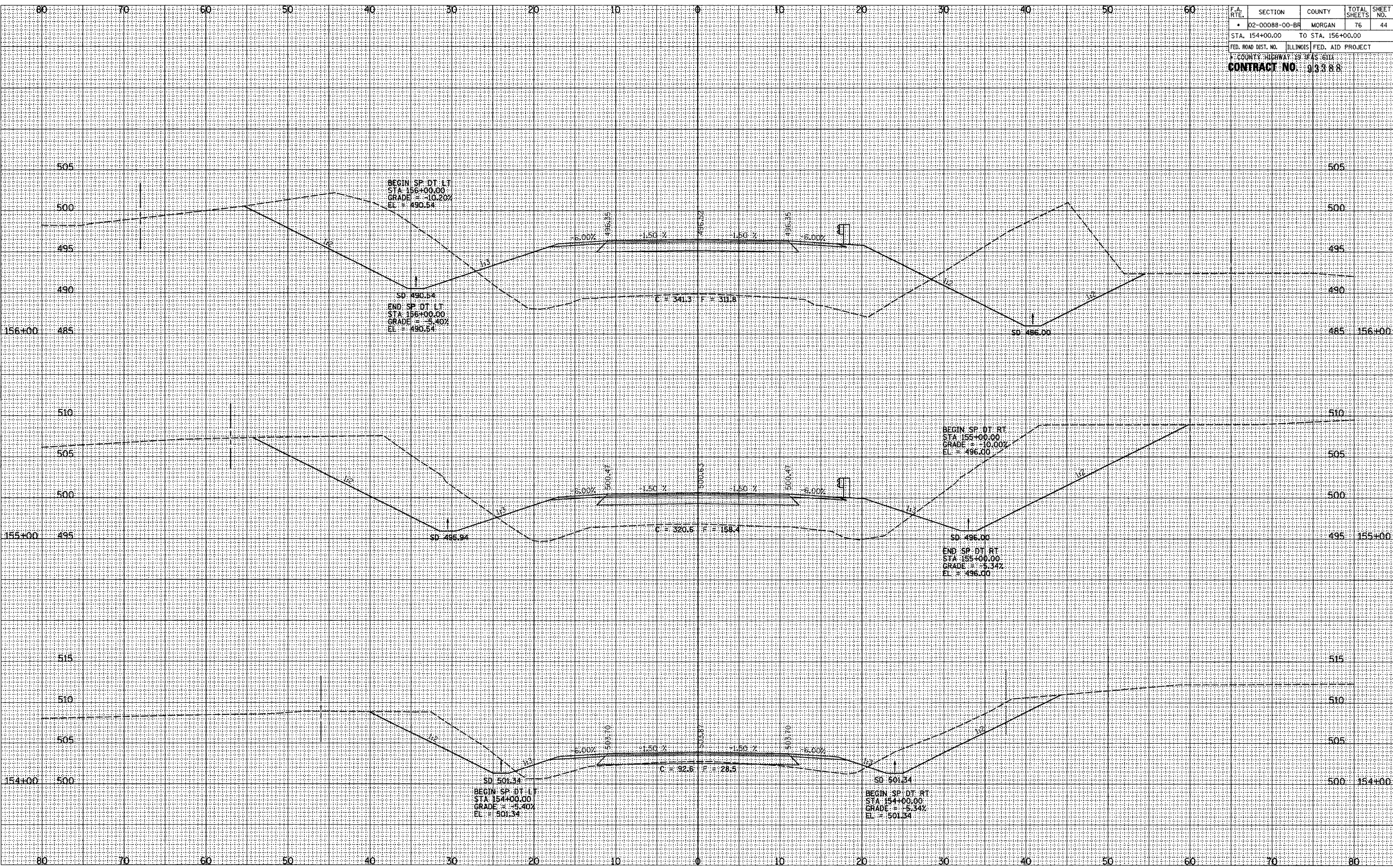


ROADWAY CROSS SECTIONS LITERBERRY-PRENTICE ROAD (CH 19)

SURVEYED  
 PLOTTED  
 SURVEY  
 NOTE BOOK  
 NO.

SURVEYED  
 PLOTTED  
 SURVEY  
 NOTE BOOK  
 NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00088-00-BR		MORGAN	76	44
STA. 154+00.00 TO STA. 156+00.00				
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COUNTY HIGHWAY 19 CHAS. 611E				
<b>CONTRACT NO. 93388</b>				



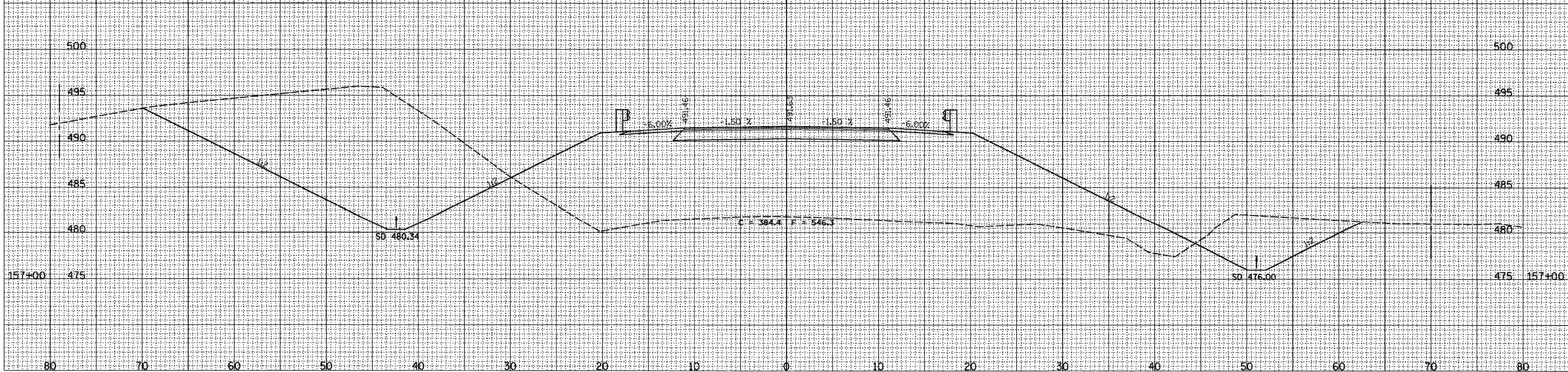
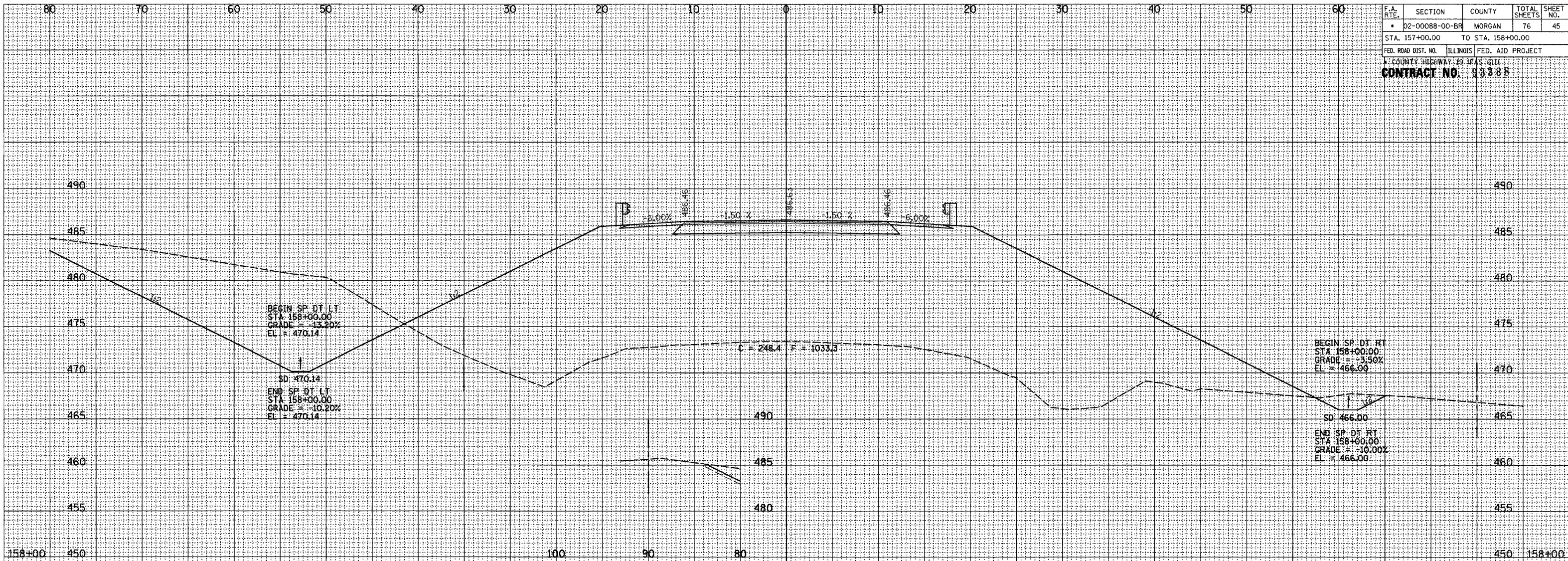
ROADWAY CROSS SECTIONS LITERBERRY-PRENTICE ROAD (CH 19)

SURVEYED  
 DATE  
 SURVEYOR  
 NOTE BOOK  
 TEMPLATE  
 AREAS CHECKED  
 NO.

SURVEYED  
 DATE  
 SURVEYOR  
 NOTE BOOK  
 TEMPLATE  
 AREAS CHECKED  
 NO.

SURVEYED  
 DATE  
 SURVEYOR  
 NOTE BOOK  
 TEMPLATE  
 AREAS CHECKED  
 NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00088-00-BR		MORGAN	76	45
STA. 157+00.00 TO STA. 158+00.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
COUNTY HIGHWAY 19 STAS 1511				
<b>CONTRACT NO. 93388</b>				



ROADWAY CROSS SECTIONS LITERBERRY-PRENTICE ROAD (CH 19)

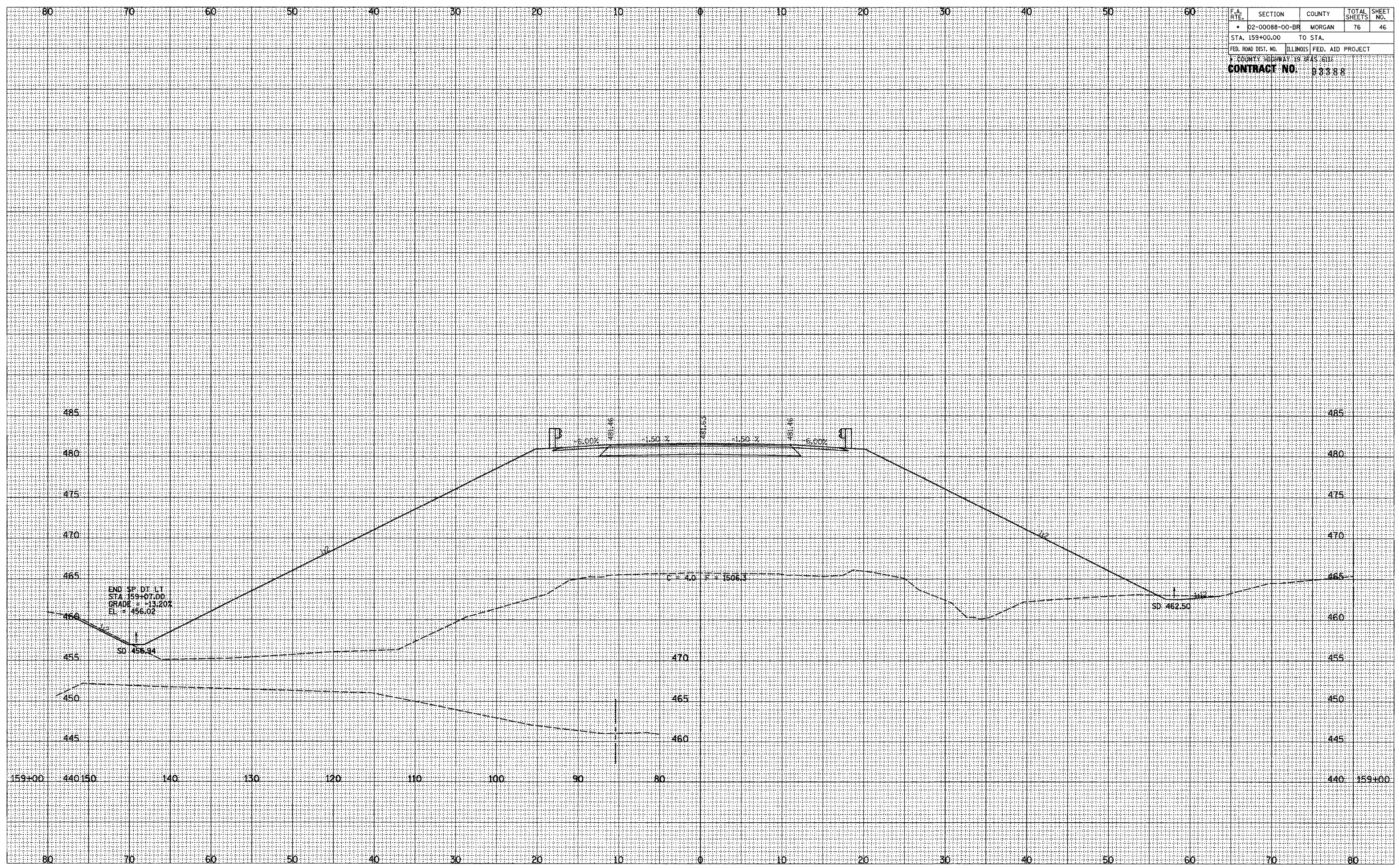
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SURVEYED	PLOTTED	TEMPLATE	NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 02-00088-00-BR		MORGAN	76	46
STA. 159+00.00		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
F. COUNTY HIGHWAY 19 3/4 S. 6TH				
<b>CONTRACT NO. 93388</b>				

SURVEYED \_\_\_\_\_  
 SURVEY \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 TEMPLATE \_\_\_\_\_  
 AREAS \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_  
 NO. \_\_\_\_\_

SURVEYED \_\_\_\_\_  
 SURVEY \_\_\_\_\_  
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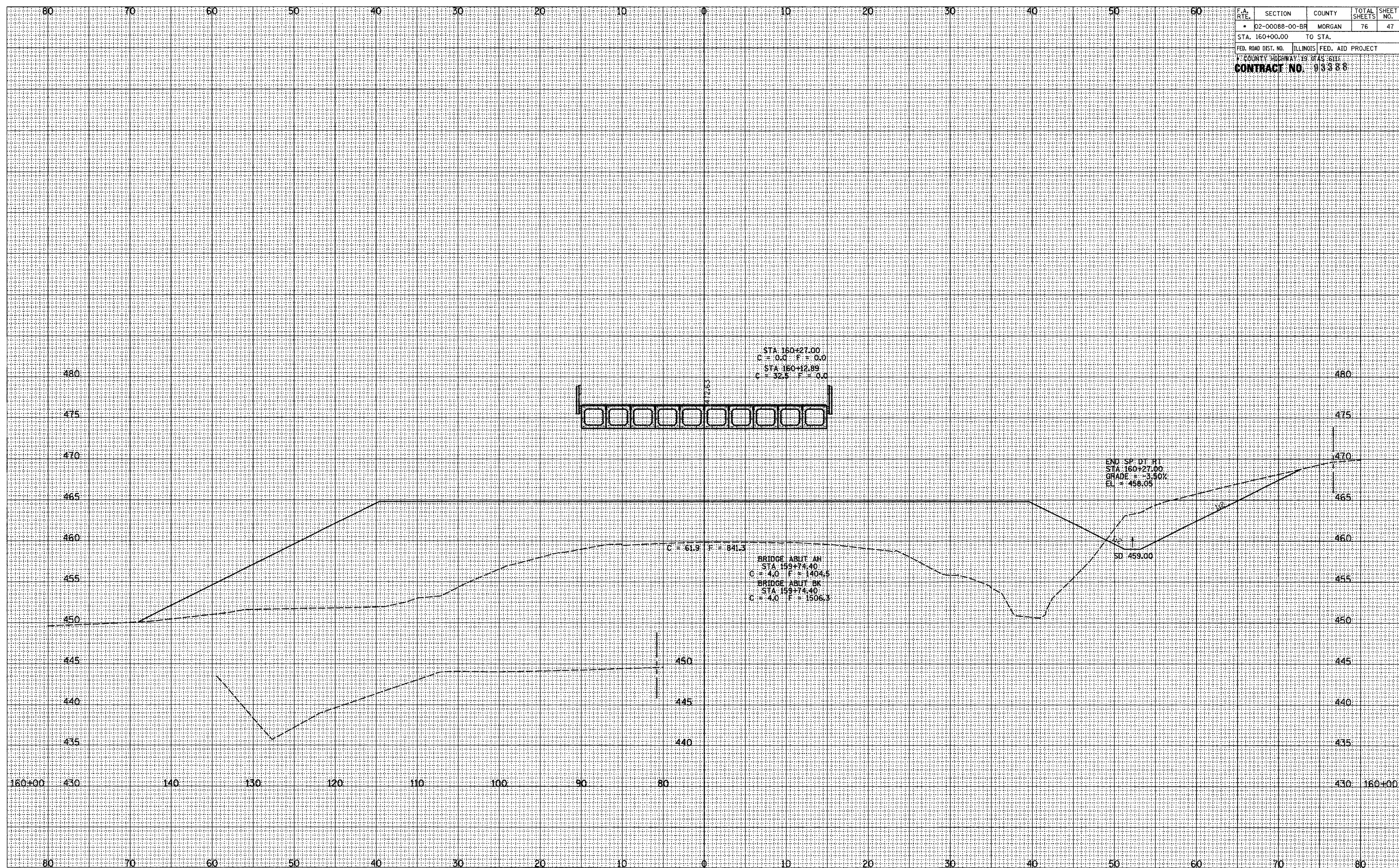


ROADWAY CROSS SECTIONS LITERBERRY-PRENTICE ROAD (CH 19)

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02-00088-00-BR		MORGAN	76	47
STA. 160+00.00 TO STA.				
ILLINOIS FED. AID PROJECT				
COUNTY HIGHWAY 19 REAS 6111				
<b>CONTRACT NO. 93388</b>				

SURVEYED  
 SURVEY BOOK NO. \_\_\_\_\_  
 TEMPLATE AREAS CHECKED  
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SURVEYED  
 SURVEY BOOK NO. \_\_\_\_\_  
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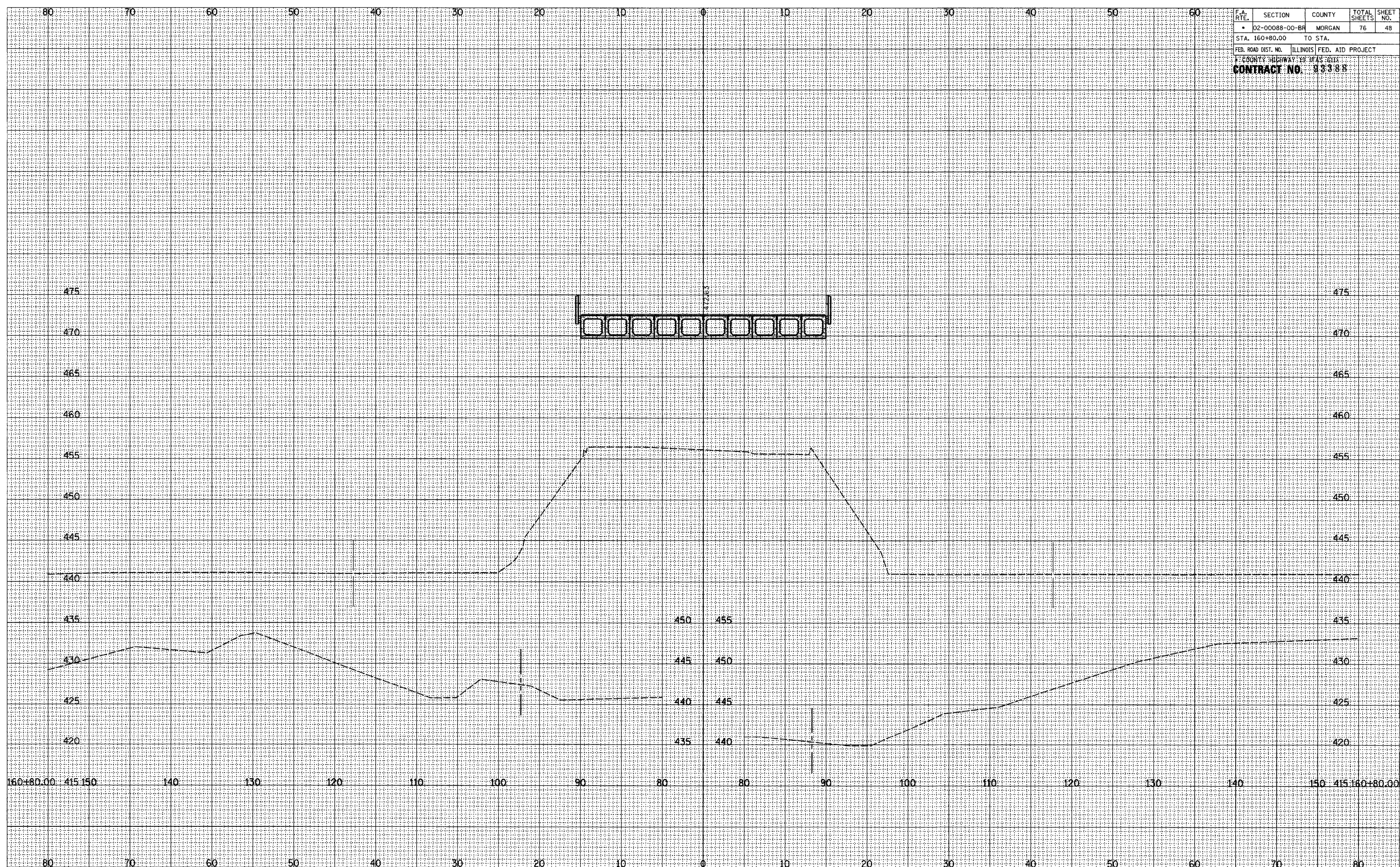


ROADWAY CROSS SECTIONS LITERBERRY-PRENTICE ROAD (CH 19)

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•	02-0088-00-BF	MORGAN	76	48
STA. 160+80.00		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
F. COUNTY HIGHWAY 19 3FAS 6115				
<b>CONTRACT NO. 33388</b>				

SURVEYED	SURVEY
AREA	AREA
NO.	NO.

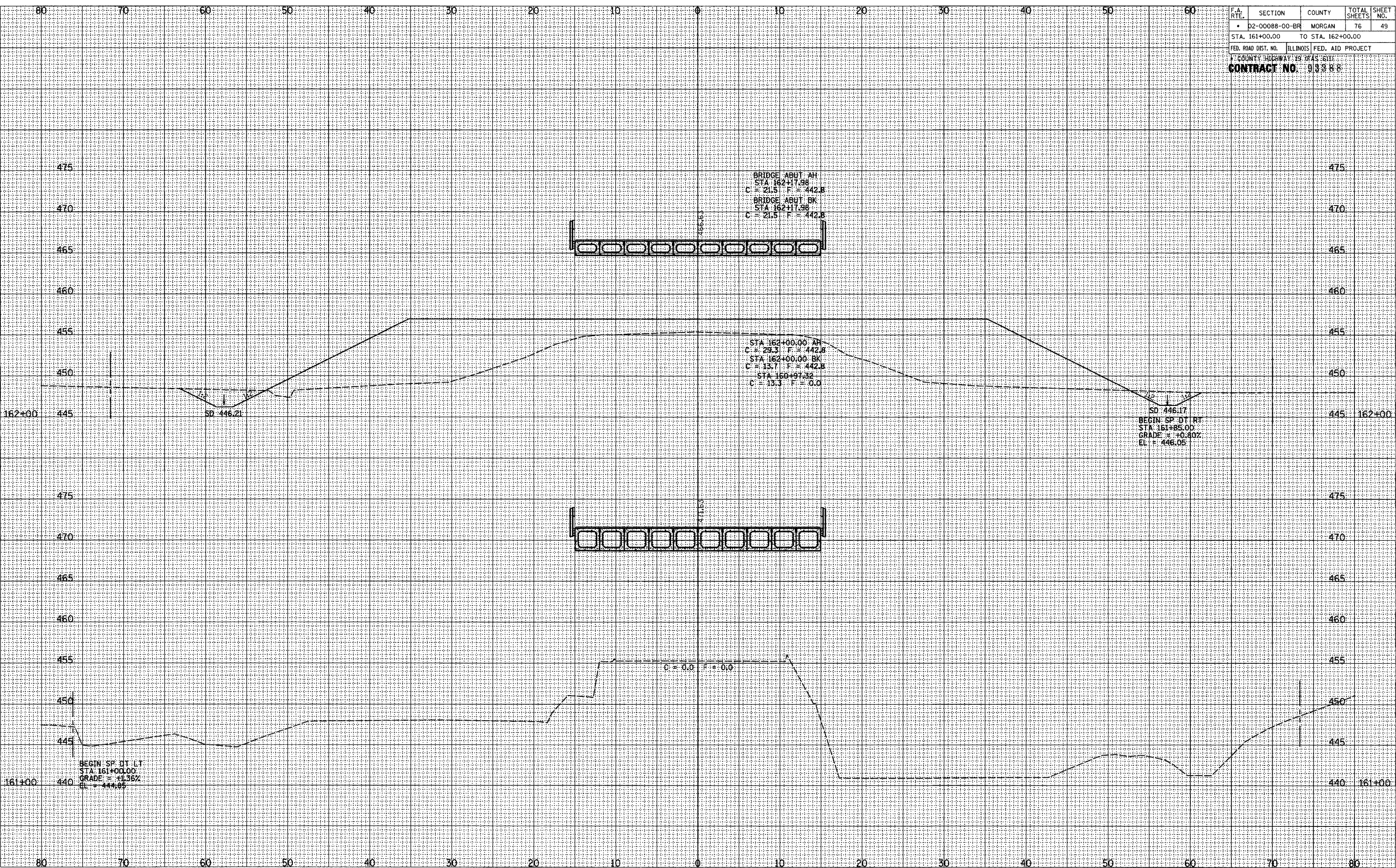
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AREA	AREA
NO.	NO.



ROADWAY CROSS SECTIONS LITERBERRY-PRENTICE ROAD (CH 19)



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• D2-00088-00-BR		MORGAN	76	49
STA. 161+00.00		TO STA. 162+00.00		
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COUNTY HIGHWAY 19 (FAS 3611)				
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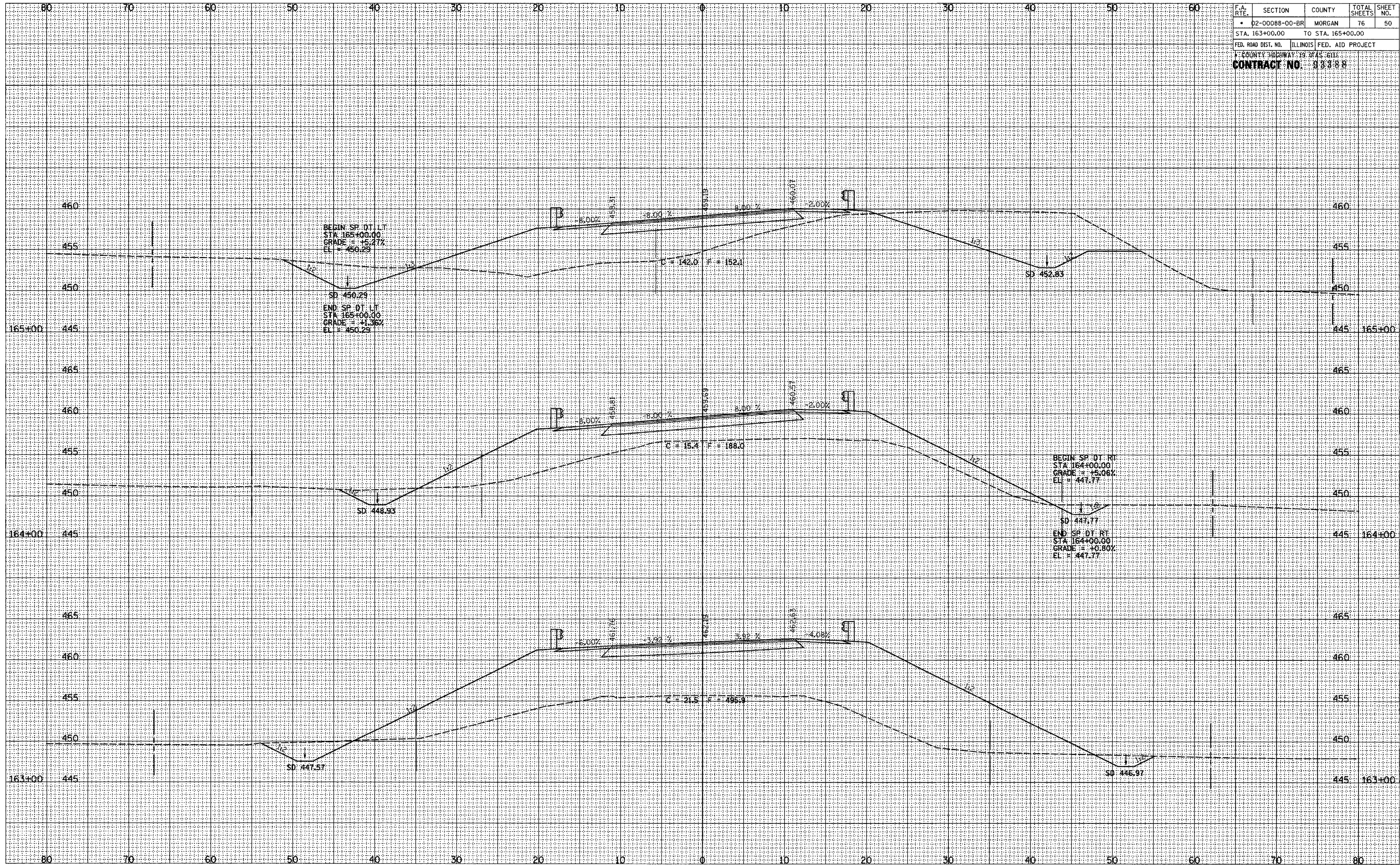


ROADWAY CROSS SECTIONS LITERBERRY-PRENTICE ROAD (CH 19)

SURVEYED  
 SURVEY  
 NOTE BOOK  
 NO.

SURVEYED  
 SURVEY  
 NOTE BOOK  
 NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D2-00088-00-BR		MORGAN	76	50
STA. 163+00.00		TO STA. 165+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
COUNTY HIGHWAY NO.		ILL.		
<b>CONTRACT NO. 93388</b>				

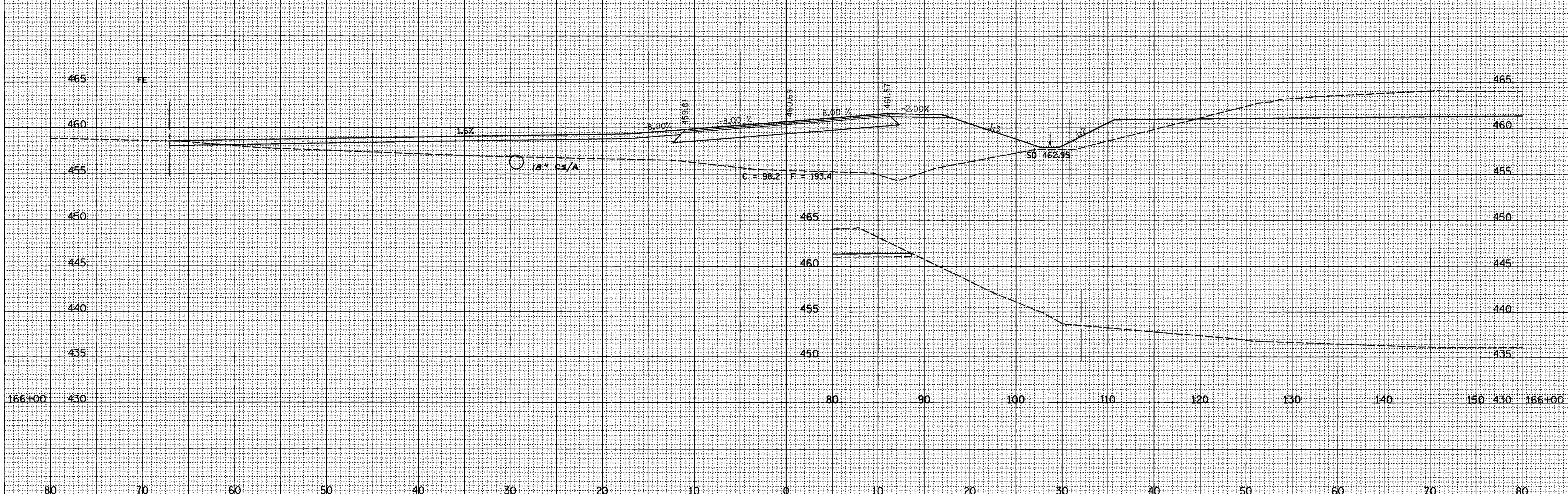
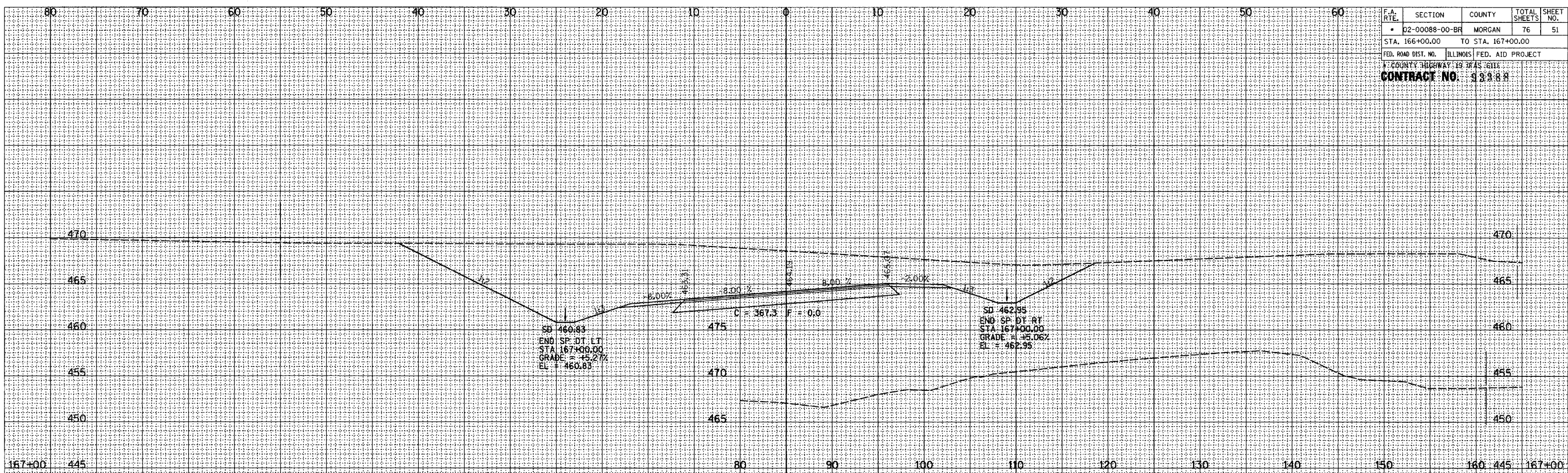


ROADWAY CROSS SECTIONS LITERBERRY-PRENTICE ROAD (CH 19)

SURVEYED SURVEY  
 TEMPLATE  
 NOTE BOOK  
 AREAS CHECKED

SURVEYED SURVEY  
 TEMPLATE  
 NOTE BOOK  
 AREAS CHECKED

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00088-00-BR		MORGAN	76	51
STA. 166+00.00 TO STA. 167+00.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
COUNTY HIGHWAY 19 3/4 S. 6111				
<b>CONTRACT NO. 93388</b>				



ROADWAY CROSS SECTIONS LITERBERRY-PRENTICE ROAD (CH 19)

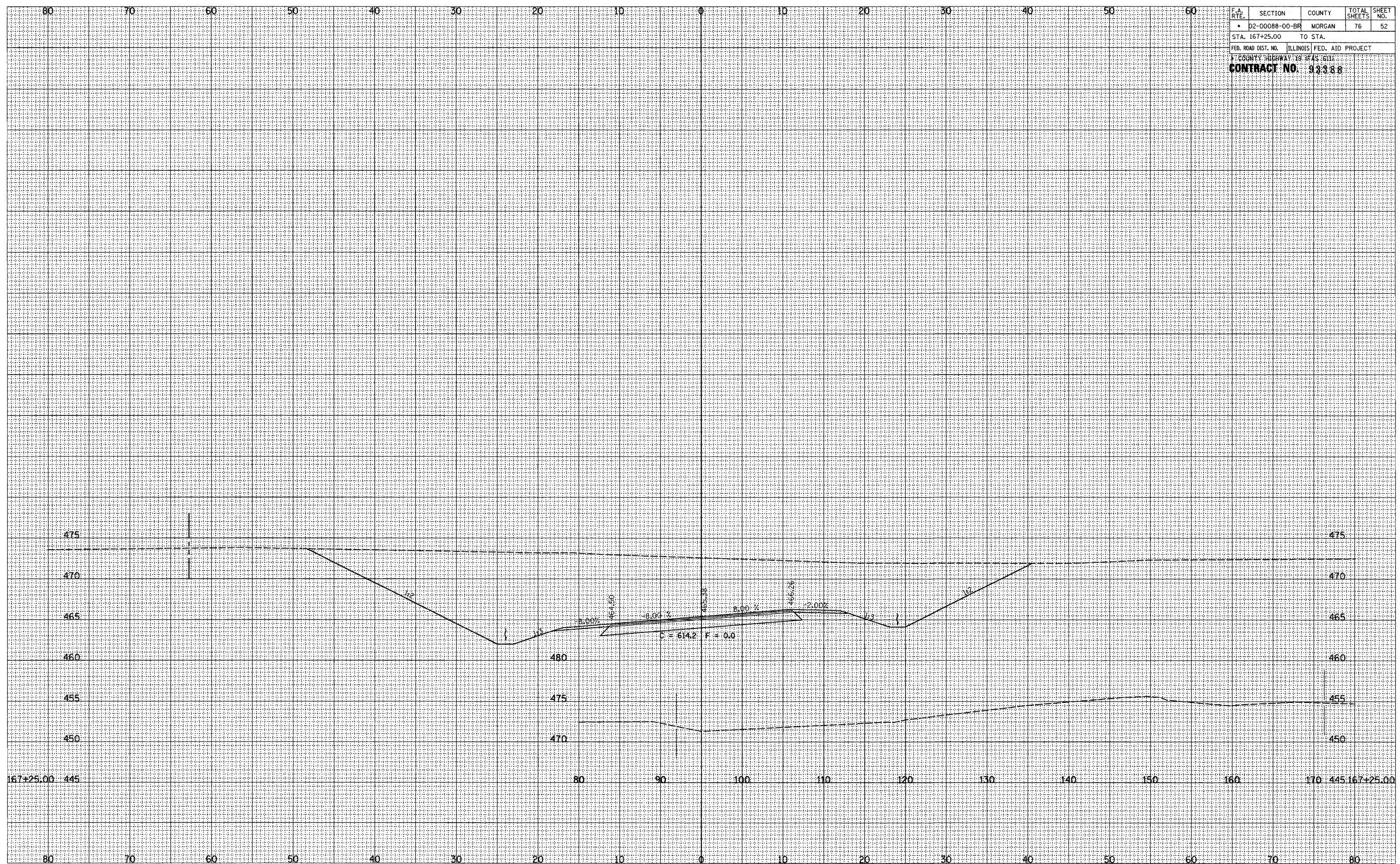
FINISH SURVEYED PLOTTED TEMPLATE NOTE BOOK NO. AREAS CHECKED

ORIGINAL SURVEY PLOTTED TEMPLATE NOTE BOOK NO. AREAS CHECKED

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 02-00088-00-BR		MORGAN	76	52
STA. 167+25.00		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
COUNTY HIGHWAY 19 (AS 611)				
<b>CONTRACT NO. 93388</b>				

SURVEYED	SURVEY
NOTE BOOK	TEMPLATE
AREAS CHECKED	AREAS CHECKED
NO.	NO.

SURVEYED	SURVEY
NOTE BOOK	TEMPLATE
AREAS CHECKED	AREAS CHECKED
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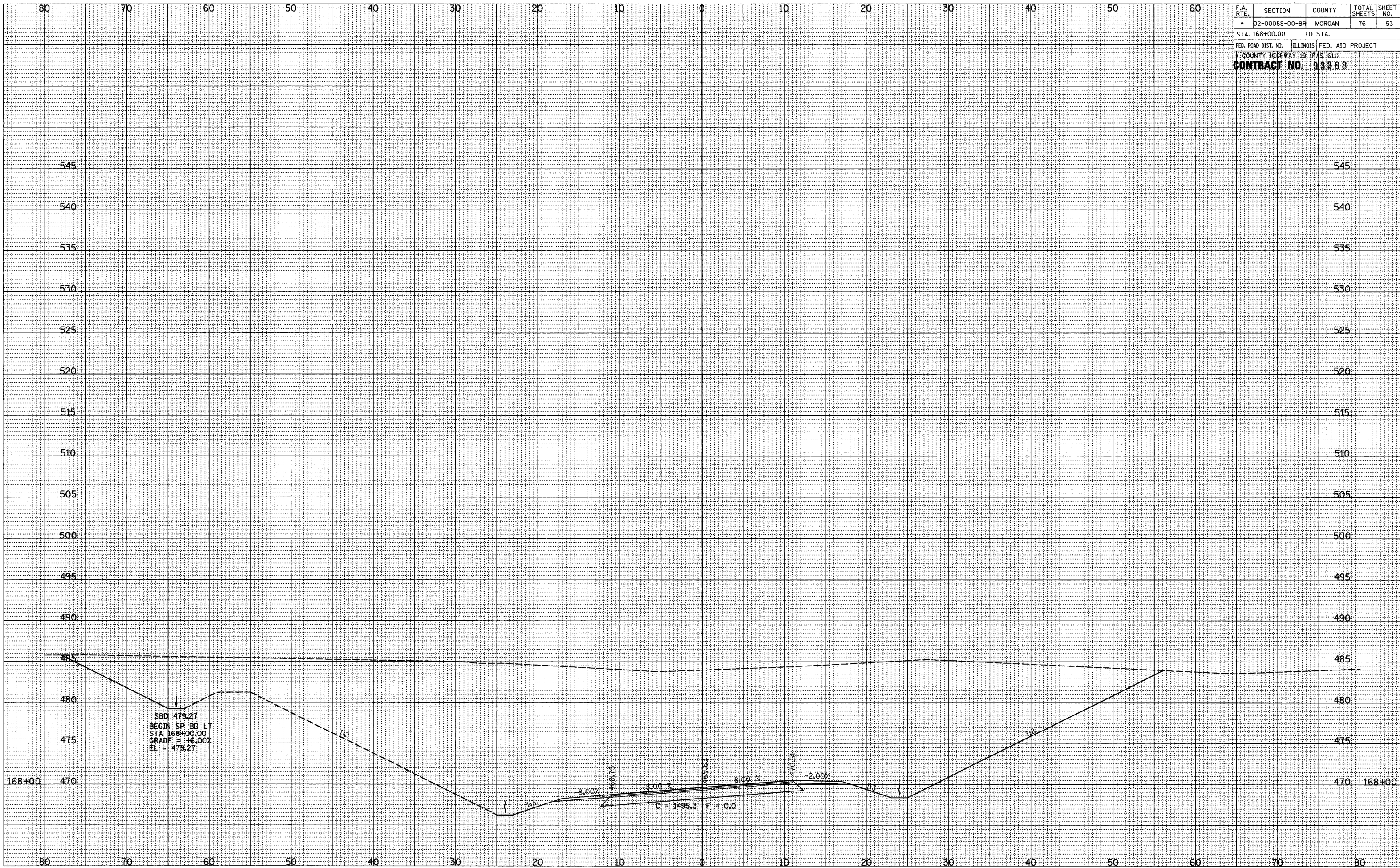


ROADWAY CROSS SECTIONS LITERBERRY-PRENTICE ROAD (CH 19)

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 02-00088-00-BR		MORGAN	76	53
STA. 168+00.00		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
COUNTY HIGHWAY NO.		CONTRACT NO. 93388		

SURVEYED	
SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
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SURVEYED	
SURVEY	
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TEMPLATE	
NOTE BOOK	
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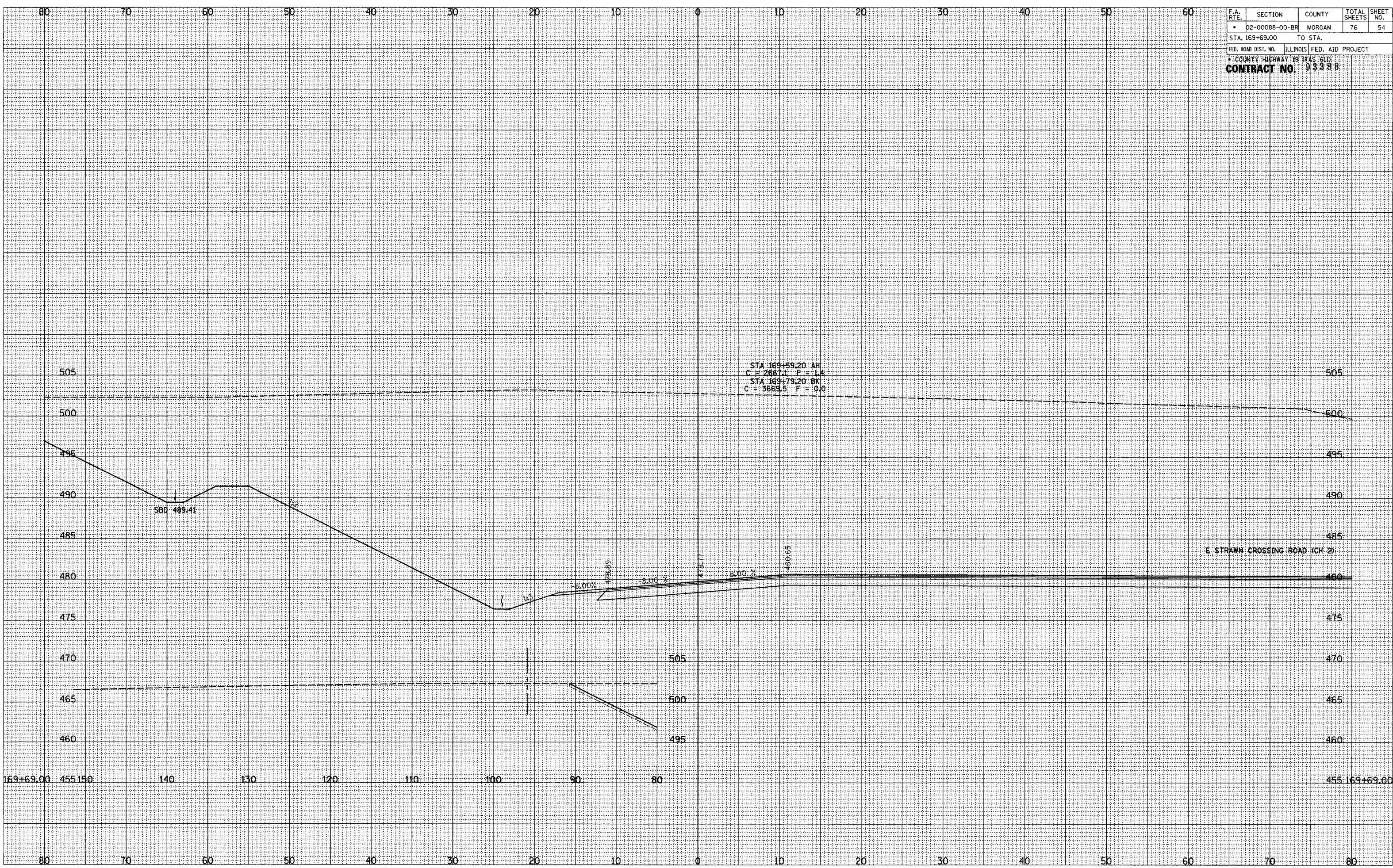


ROADWAY CROSS SECTIONS LITERBERRY-PRENTICE ROAD (CH 19)

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D2-00088-00-BR		MORGAN	76	54
STA. 169+69.00		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 93388				

NO.	AREAS CHECKED	NOTE BOOK	TEMPLATE	FLOTTED	SURVEY

NO.	AREAS CHECKED	NOTE BOOK	TEMPLATE	FLOTTED	SURVEY

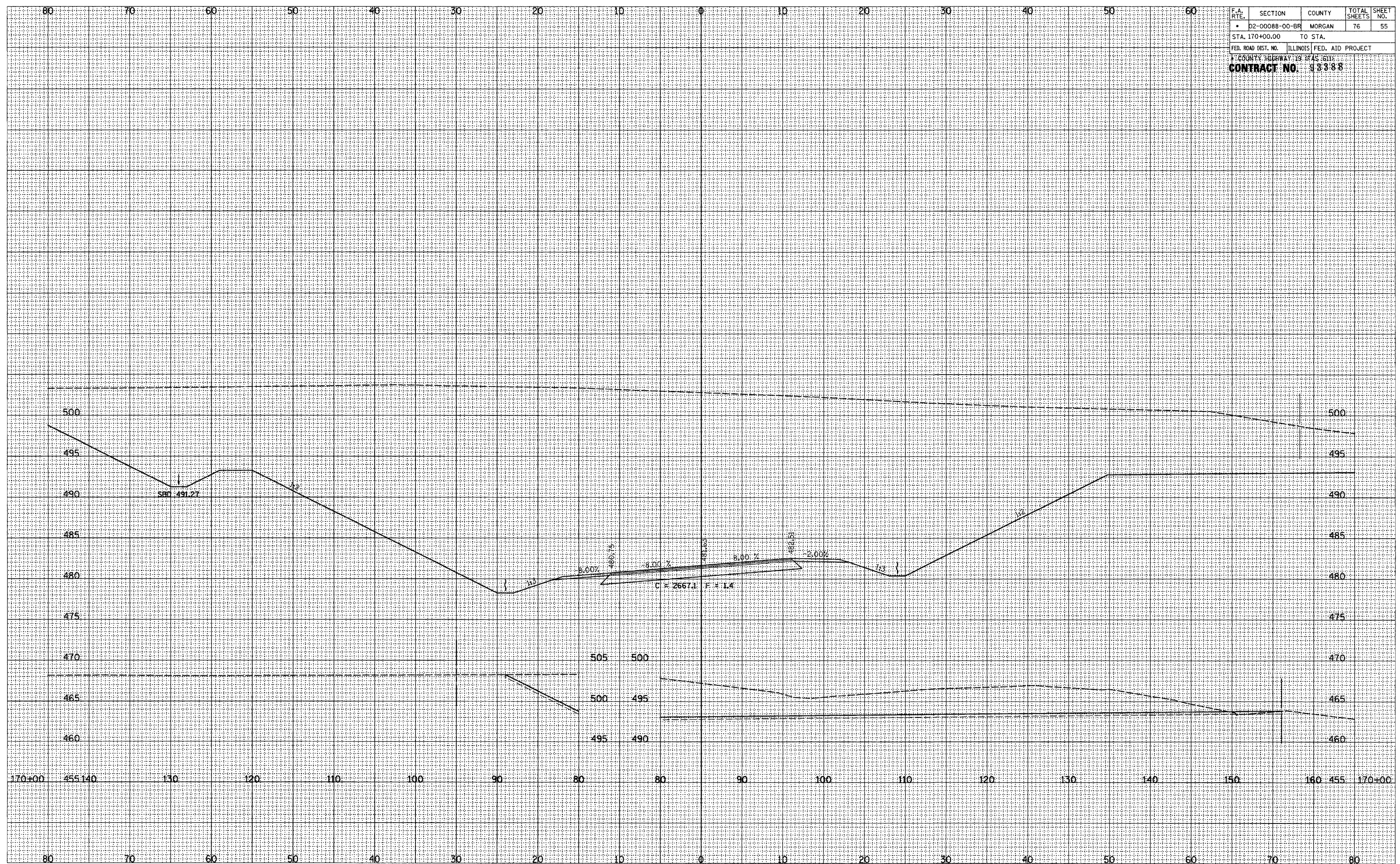


ROADWAY CROSS SECTIONS LITERBERRY-PRENTICE ROAD (CH 19)

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 02-00088-00-BR		MORGAN	76	55
STA. 170+00.00		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
COUNTY HIGHWAY 19 (AS 611)				
<b>CONTRACT NO. 13388</b>				

SURVEYED	
NOTE BOOK	
AREAS CHECKED	
NO.	

SURVEYED	
NOTE BOOK	
AREAS CHECKED	
NO.	

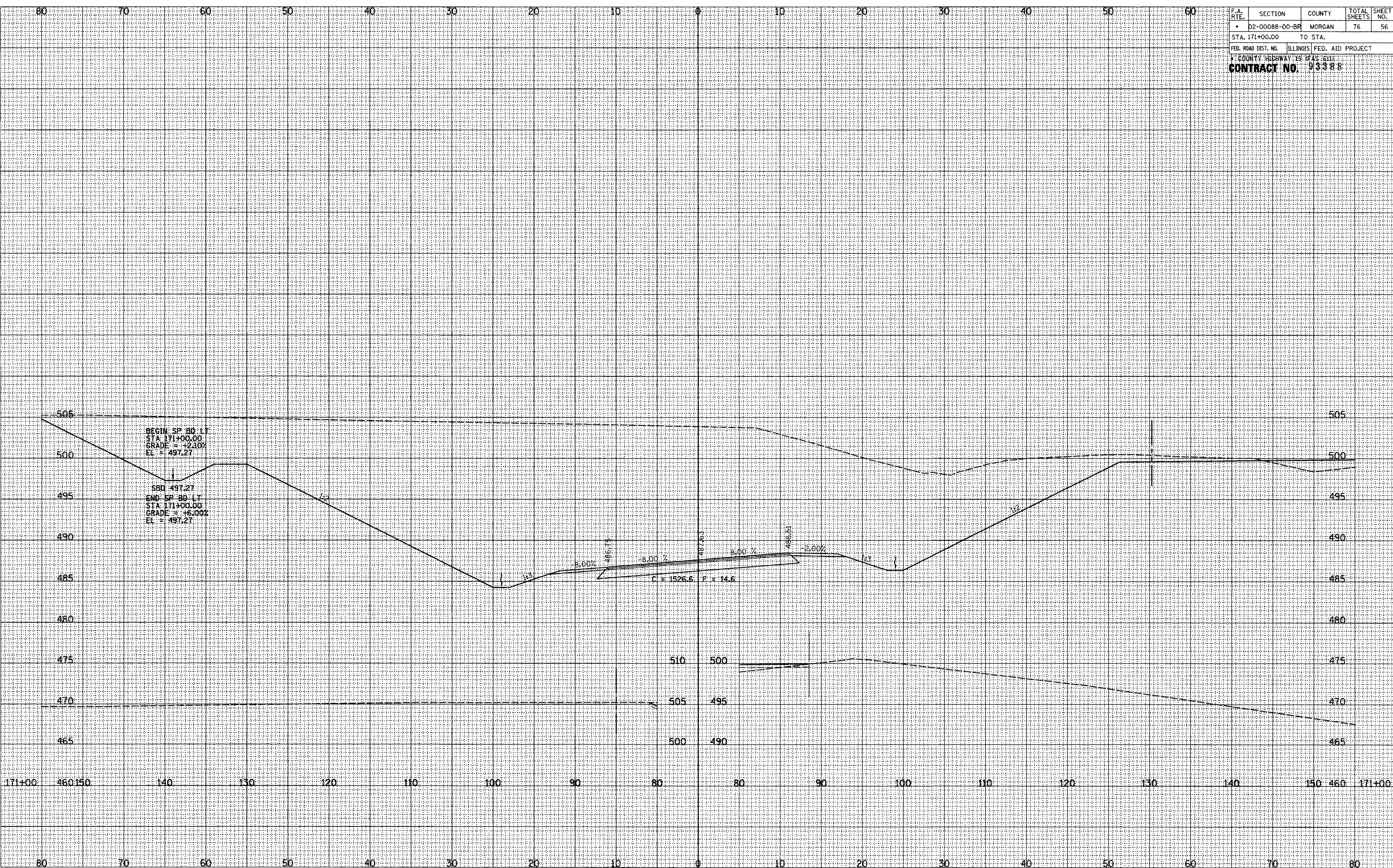


ROADWAY CROSS SECTIONS LITERBERRY-PRENTICE ROAD (CH 19)

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 02-00088-00-BR	MORGAN	76	56	
STA. 171+00.00		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO. 93388				

SURVEYED	DATE
TEMPLATE	
AREAS CHECKED	
NO.	

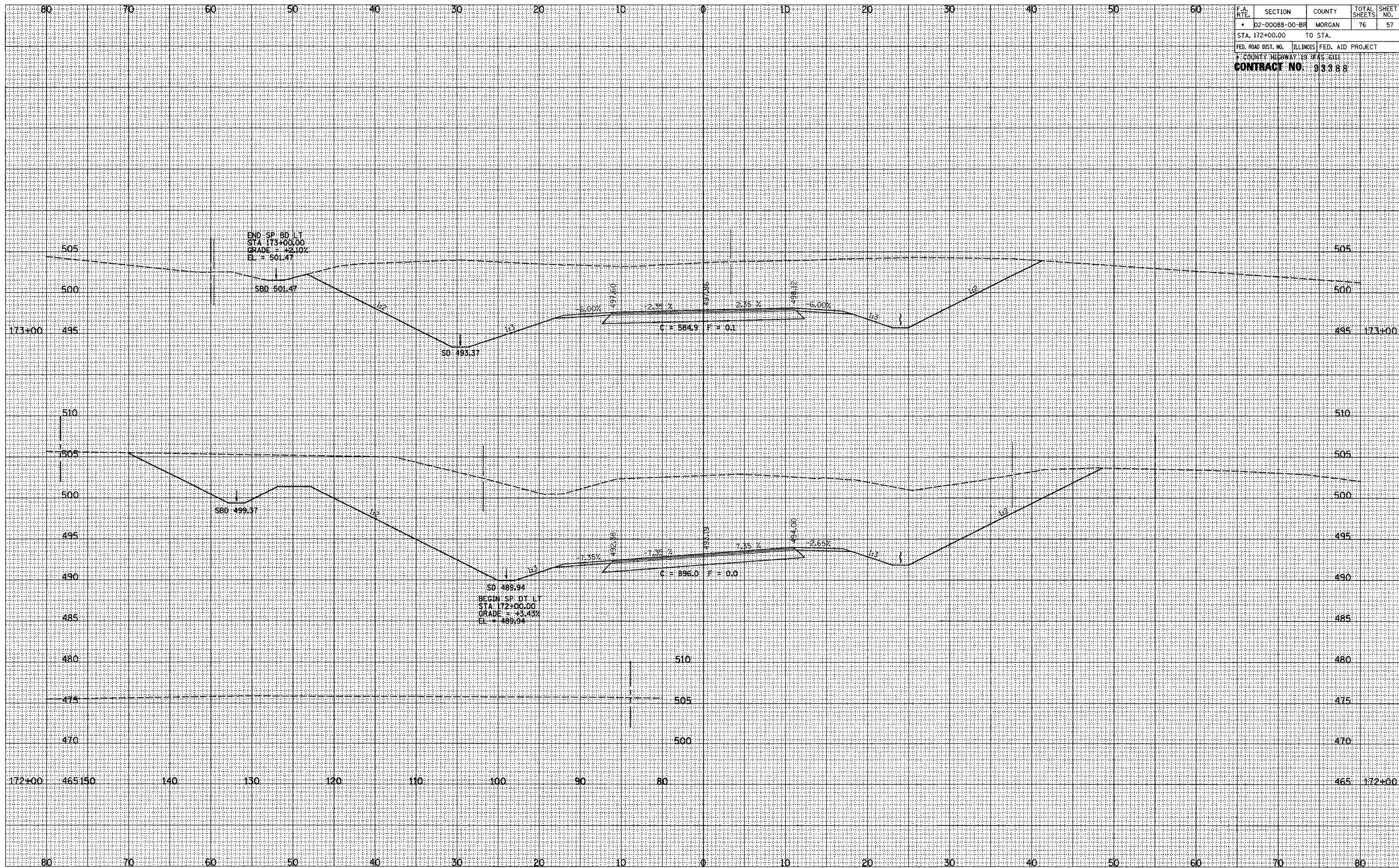
SURVEYED	DATE
TEMPLATE	
AREAS CHECKED	
NO.	



ROADWAY CROSS SECTIONS LITERBERRY-PRENTICE ROAD (CH 19)

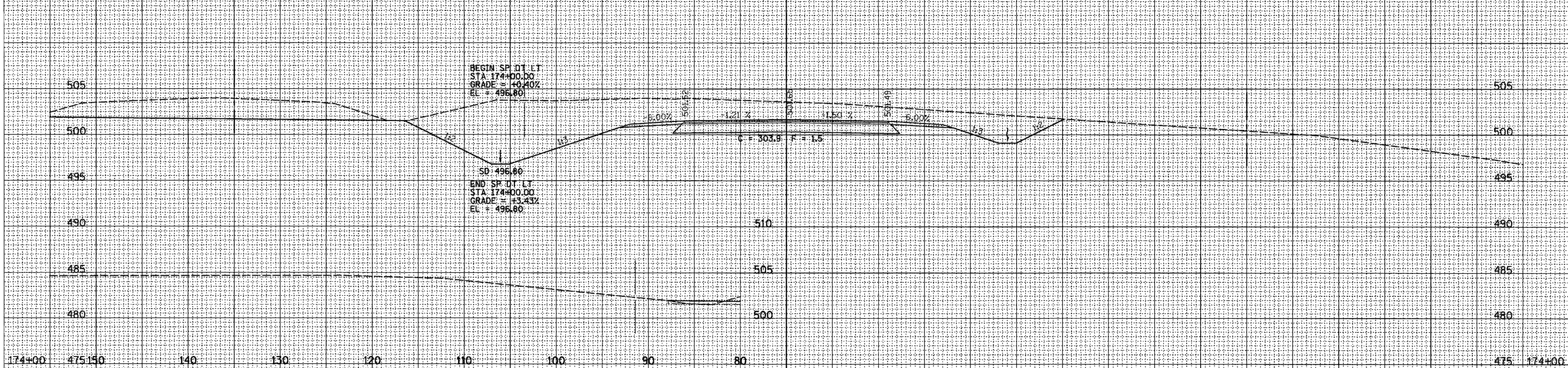
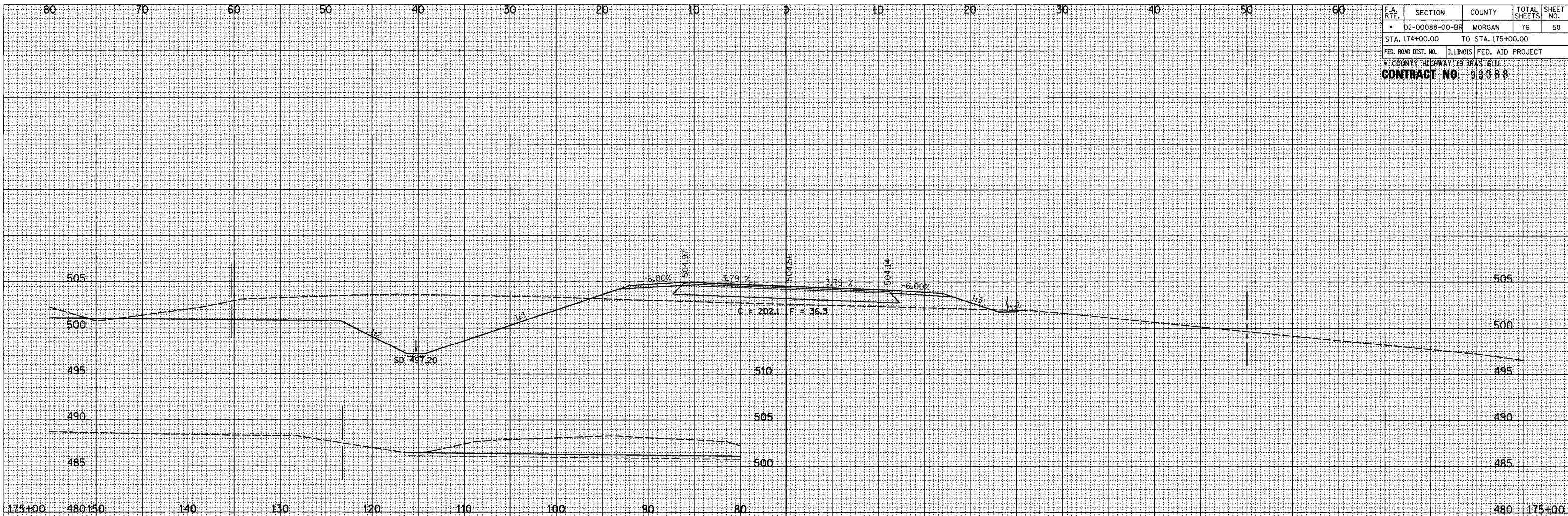


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	02-00088-00-BR	MORGAN	76	57
STA. 172+00.00		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
F. COUNTY HIGHWAY 19 3/4 S. 6TH				
<b>CONTRACT NO. 93388</b>				



ROADWAY CROSS SECTIONS LITERBERRY-PRENTICE ROAD (CH 19)

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D2-00088-00-BR	MORGAN		76	58
STA. 174+00.00		TO STA. 175+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
COUNTY HIGHWAY 19		CHAS. 611A		
<b>CONTRACT NO. 93388</b>				

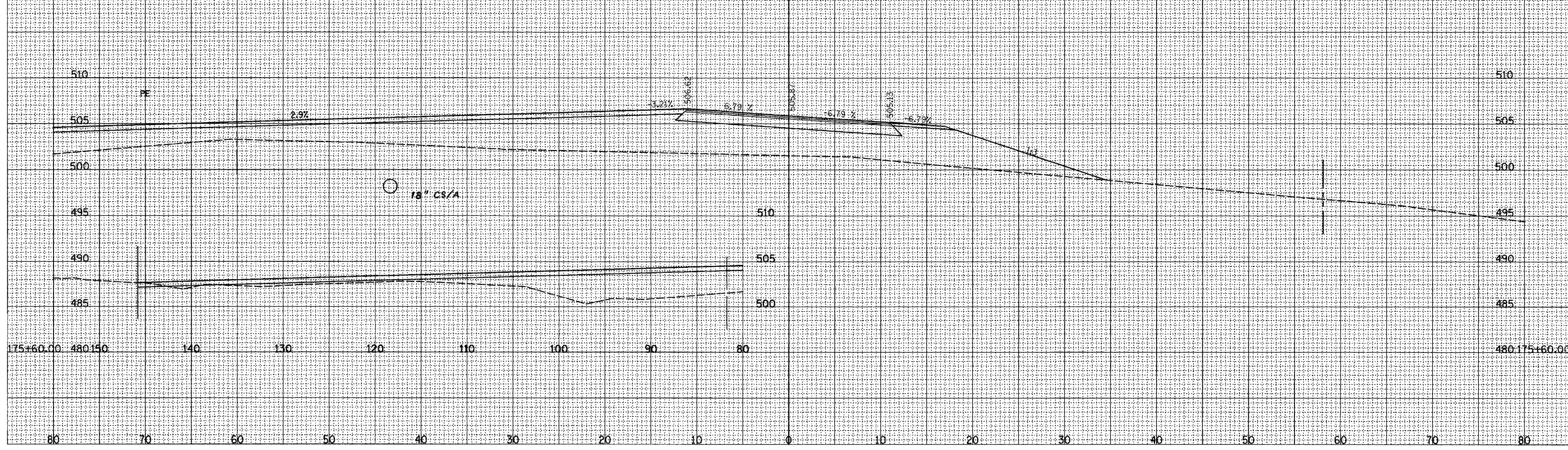
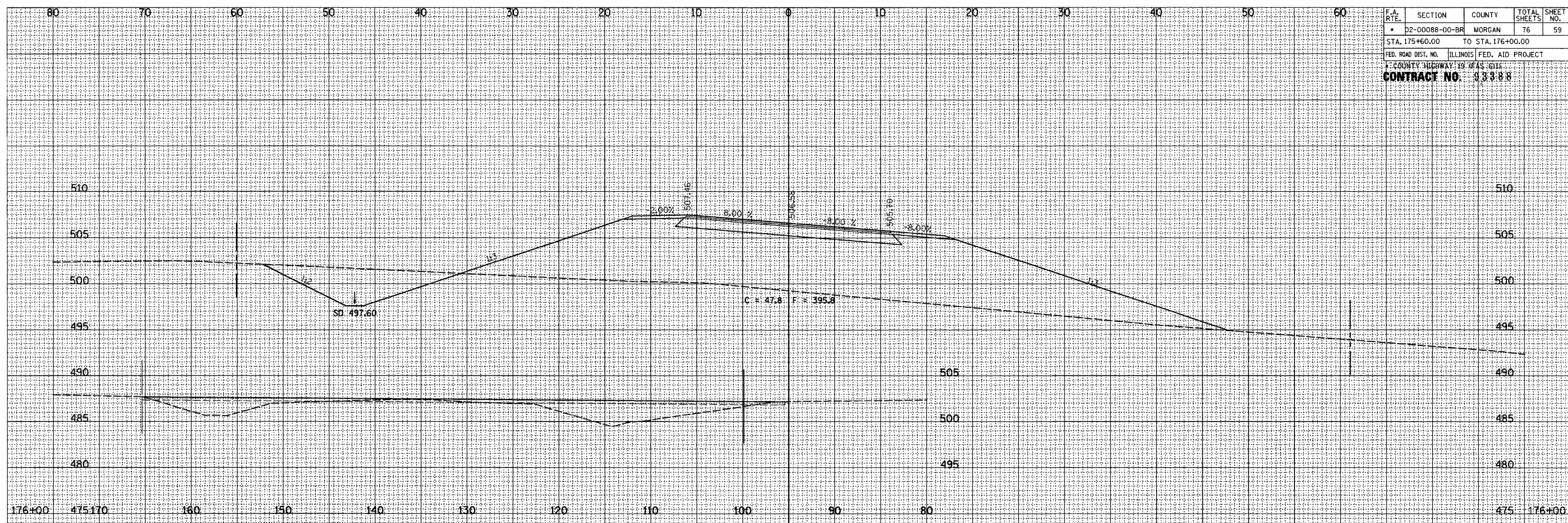


ROADWAY CROSS SECTIONS LITERBERRY-PRENTICE ROAD (CH 19)

SURVEYED  
 SURVEY  
 PLOTTED  
 NOTE BOOK  
 TEMPLATE  
 AREAS CHECKED  
 NO.

ORIGINAL  
 SURVEY  
 PLOTTED  
 NOTE BOOK  
 TEMPLATE  
 AREAS CHECKED  
 NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 02-00088-00-BR		MORGAN	76	59
STA. 175+60.00		TO STA. 176+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
COUNTY HIGHWAY 19		CHAS. GIBBS		
<b>CONTRACT NO. 93388</b>				

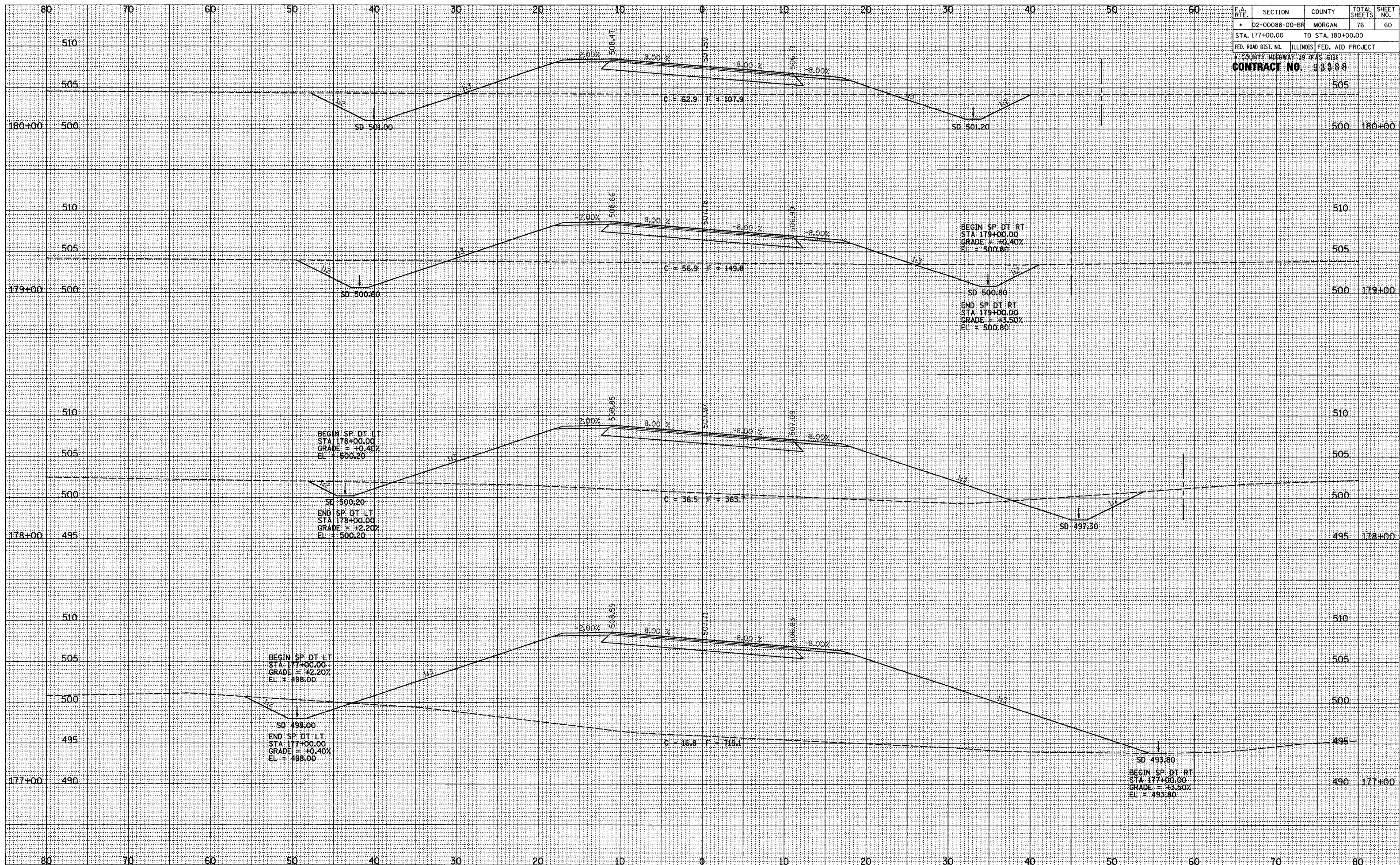


ROADWAY CROSS SECTIONS LITERBERRY-PRENTICE ROAD (CH 19)

SURVEYED	DATE
TEMPLATE	NO.
AREAS CHECKED	

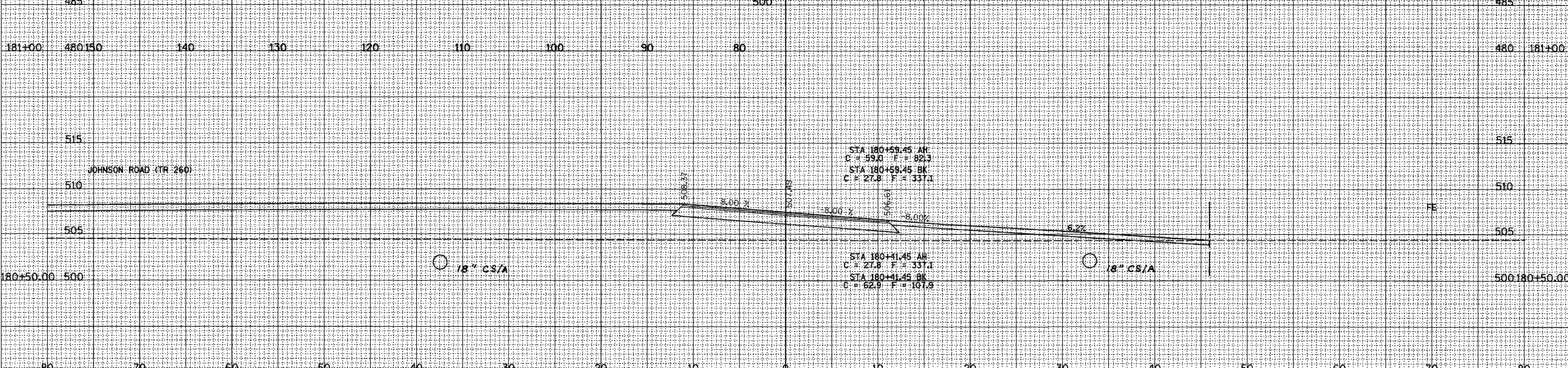
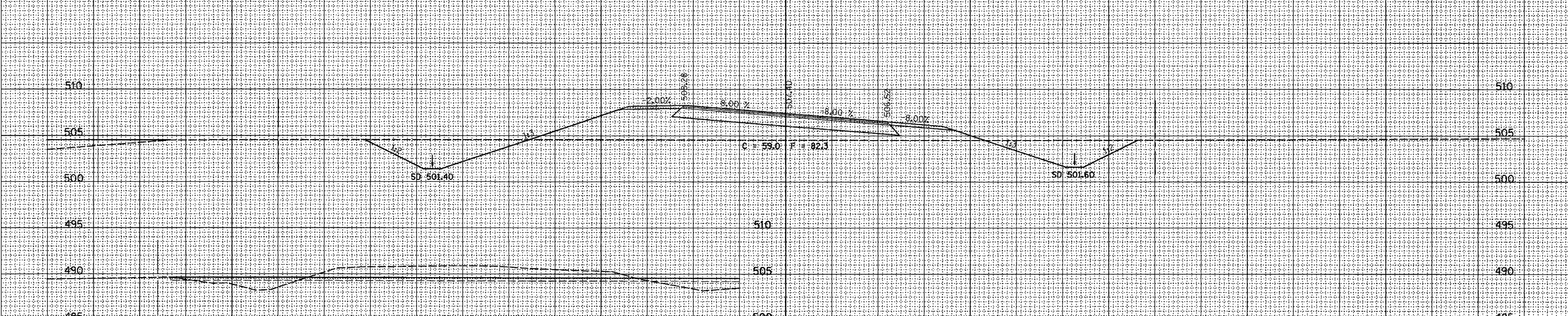
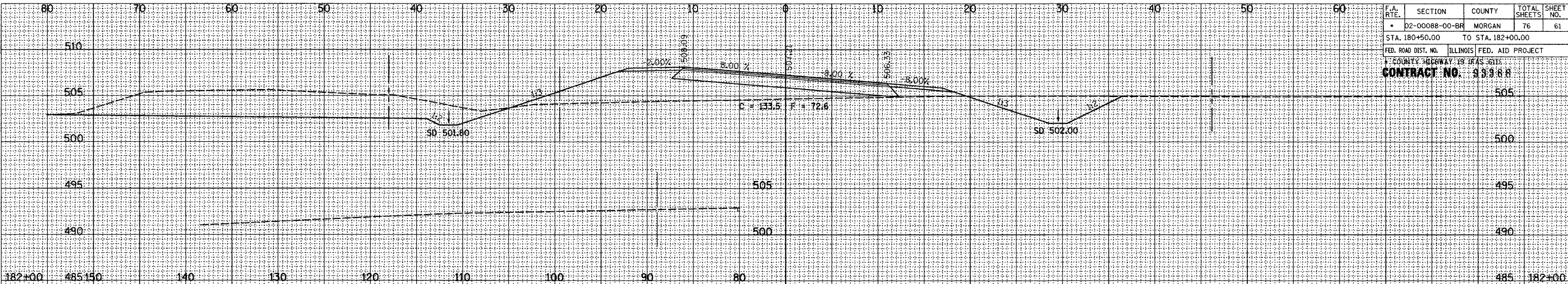
SURVEYED	DATE
TEMPLATE	NO.
AREAS CHECKED	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 02-00088-00-BR	MORGAN		76	60
STA. 177+00.00 TO STA. 180+00.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
CONTRACT NO. 93308				



ROADWAY CROSS SECTIONS LITERBERRY-PRENTICE ROAD (CH 19)

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• D2-00088-00-BR	MORGAN		76	61
STA. 180+50.00		TO STA. 182+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
COUNTY HIGHWAY: 19 (AS 61)				
<b>CONTRACT NO. 33388</b>				

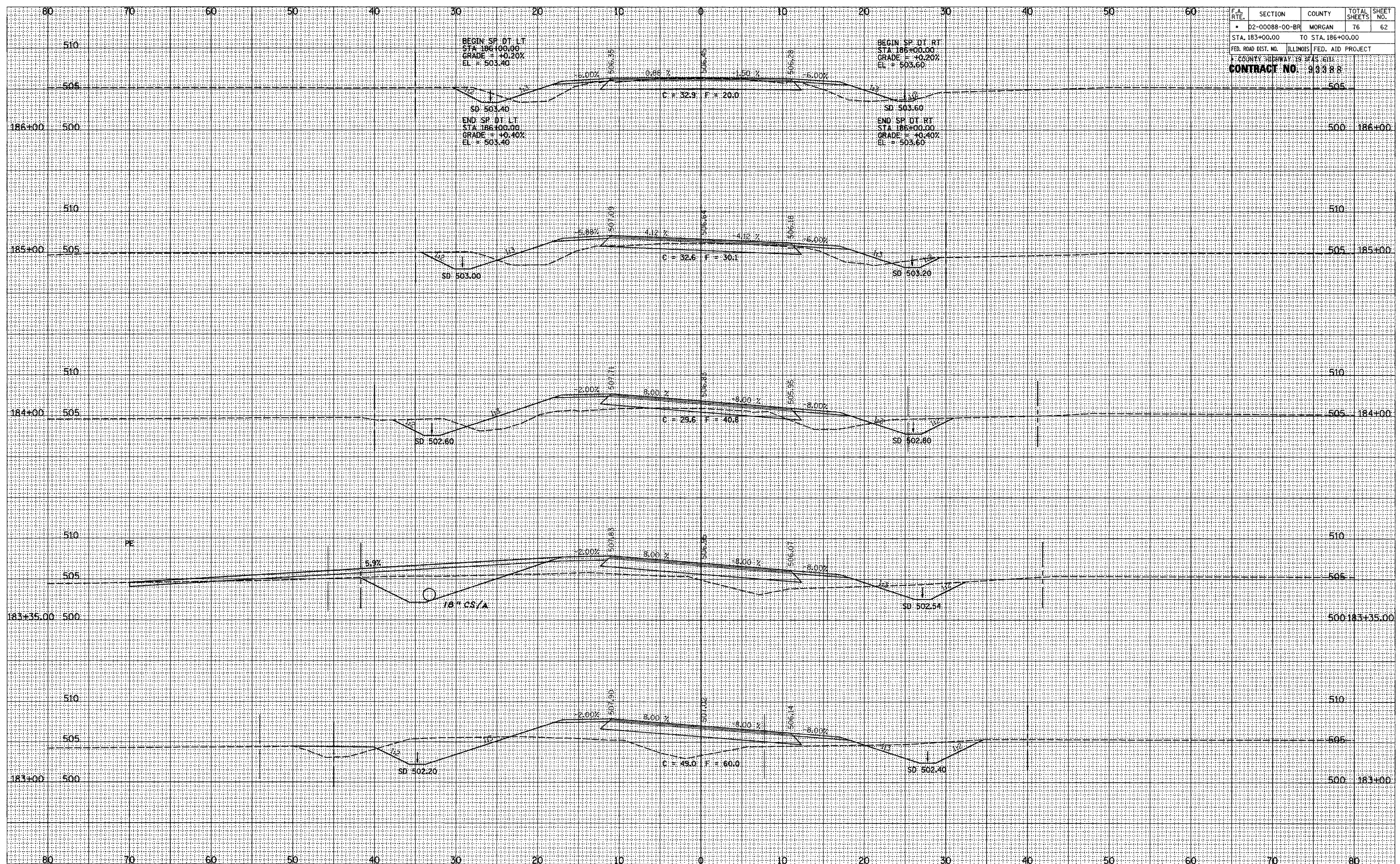


ROADWAY CROSS SECTIONS LITERBERRY-PRENTICE ROAD (CH 19)

SURVEYED BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 SURVEY NO.: \_\_\_\_\_  
 NOTE BOOK NO.: \_\_\_\_\_  
 TEMPLATE NO.: \_\_\_\_\_  
 AREAS CHECKED: \_\_\_\_\_  
 AREAS CHECKED: \_\_\_\_\_

SURVEYED BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 SURVEY NO.: \_\_\_\_\_  
 NOTE BOOK NO.: \_\_\_\_\_  
 TEMPLATE NO.: \_\_\_\_\_  
 AREAS CHECKED: \_\_\_\_\_  
 AREAS CHECKED: \_\_\_\_\_

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D2-00088-00-BR		MORGAN	76	62
STA. 183+00.00		TO STA. 186+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
COUNTY HIGHWAY 19		CONTRACT NO. 03388		



ROADWAY CROSS SECTIONS LITERBERRY-PRENTICE ROAD (CH 19)

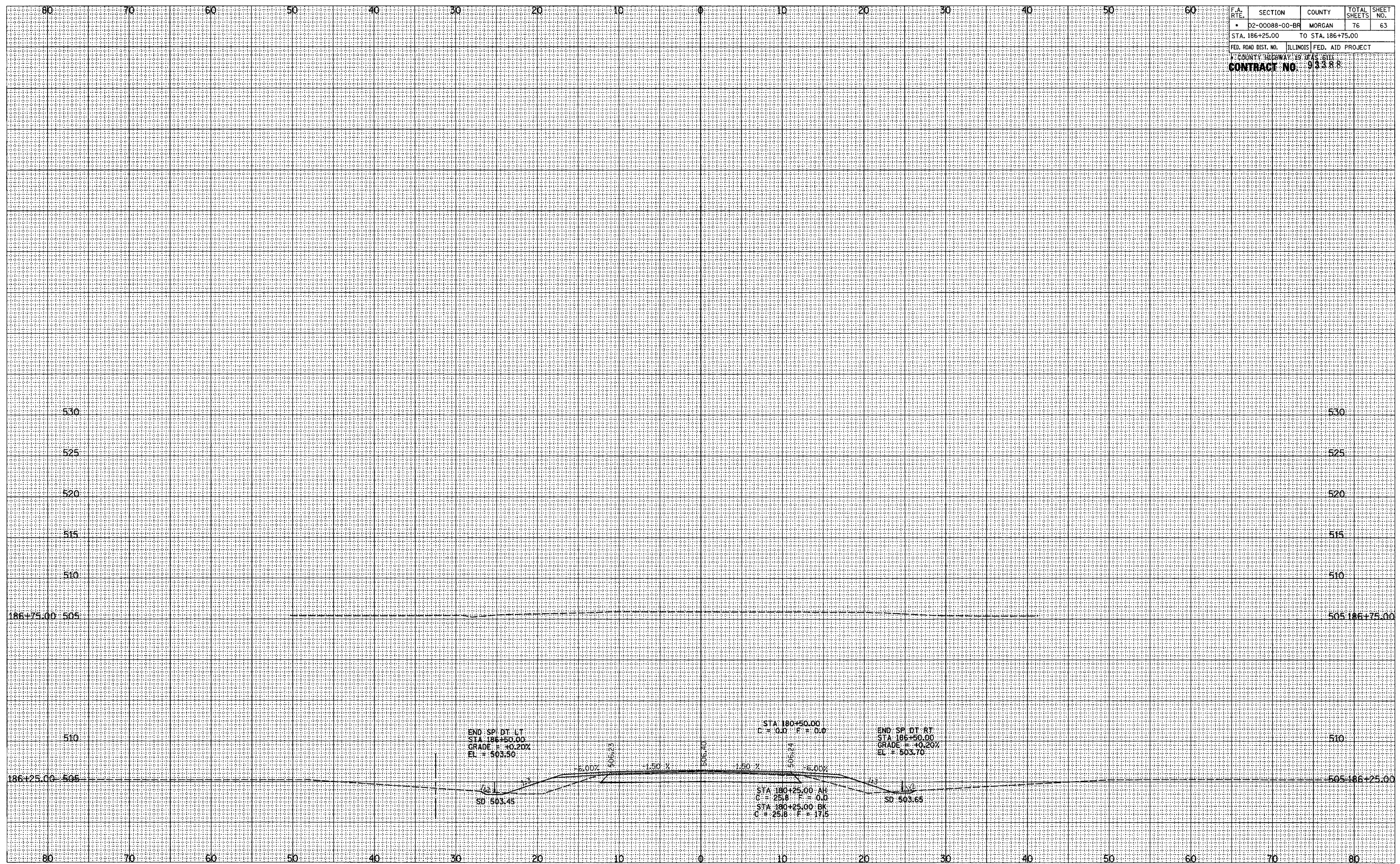
SURVEYED  
 SURVEY  
 NOTE BOOK  
 TEMPLATE  
 AREAS CHECKED  
 NO.

SURVEYED  
 SURVEY  
 NOTE BOOK  
 TEMPLATE  
 AREAS CHECKED  
 NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 02-00088-00-BR		MORGAN	76	63
STA. 186+25.00 TO STA. 186+75.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
COUNTY HIGHWAY: 19 CH 19				
<b>CONTRACT NO. 93388</b>				

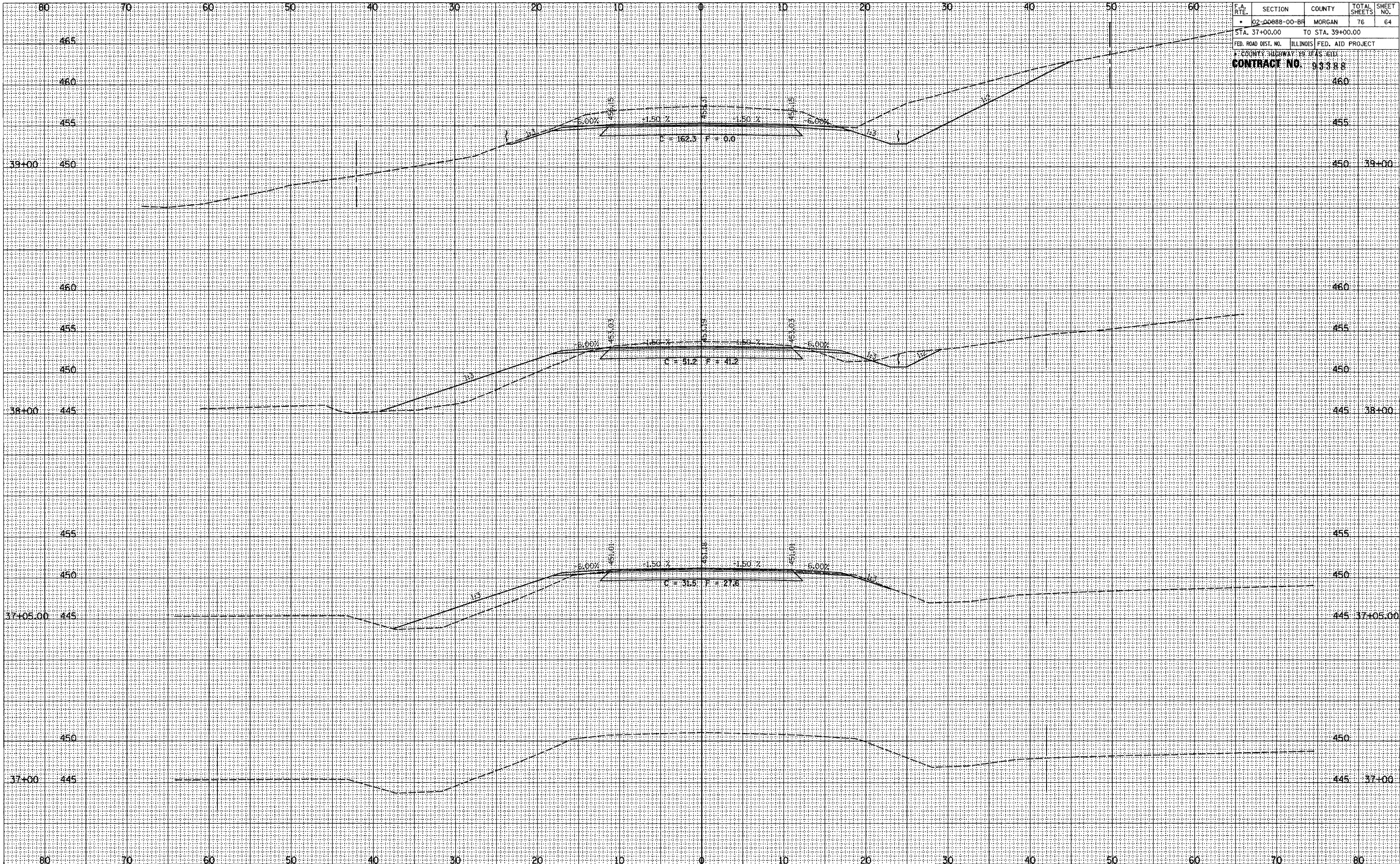
SURVEYED	NOTE BOOK	NO.

SURVEYED	NOTE BOOK	NO.



ROADWAY CROSS SECTIONS LITERBERRY-PRENTICE ROAD (CH 19)

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00888-00-BF		MORGAN	76	64
STA. 37+00.00		TO STA. 39+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
COUNTY HIGHWAY 19		S.D.		
<b>CONTRACT NO.</b>		93388		



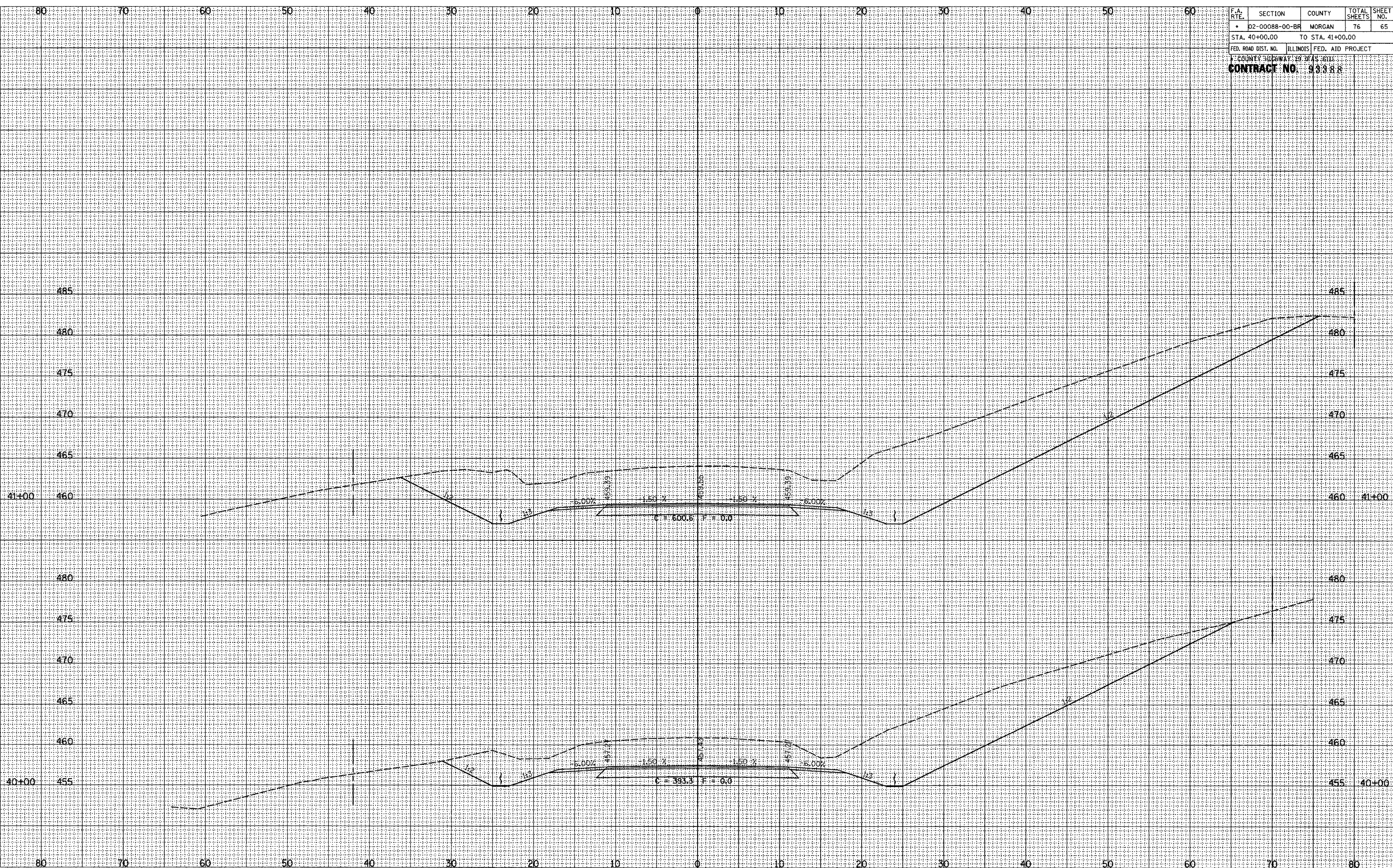
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

ROADWAY CROSS SECTIONS E STRAWN CROSSING ROAD (CH 2)



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 02-00088-00-BR		MORGAN	76	65
STA. 40+00.00		TO STA. 41+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
COUNTY HIGHWAY 19 3/4 S. 6115				
<b>CONTRACT NO. 93388</b>				

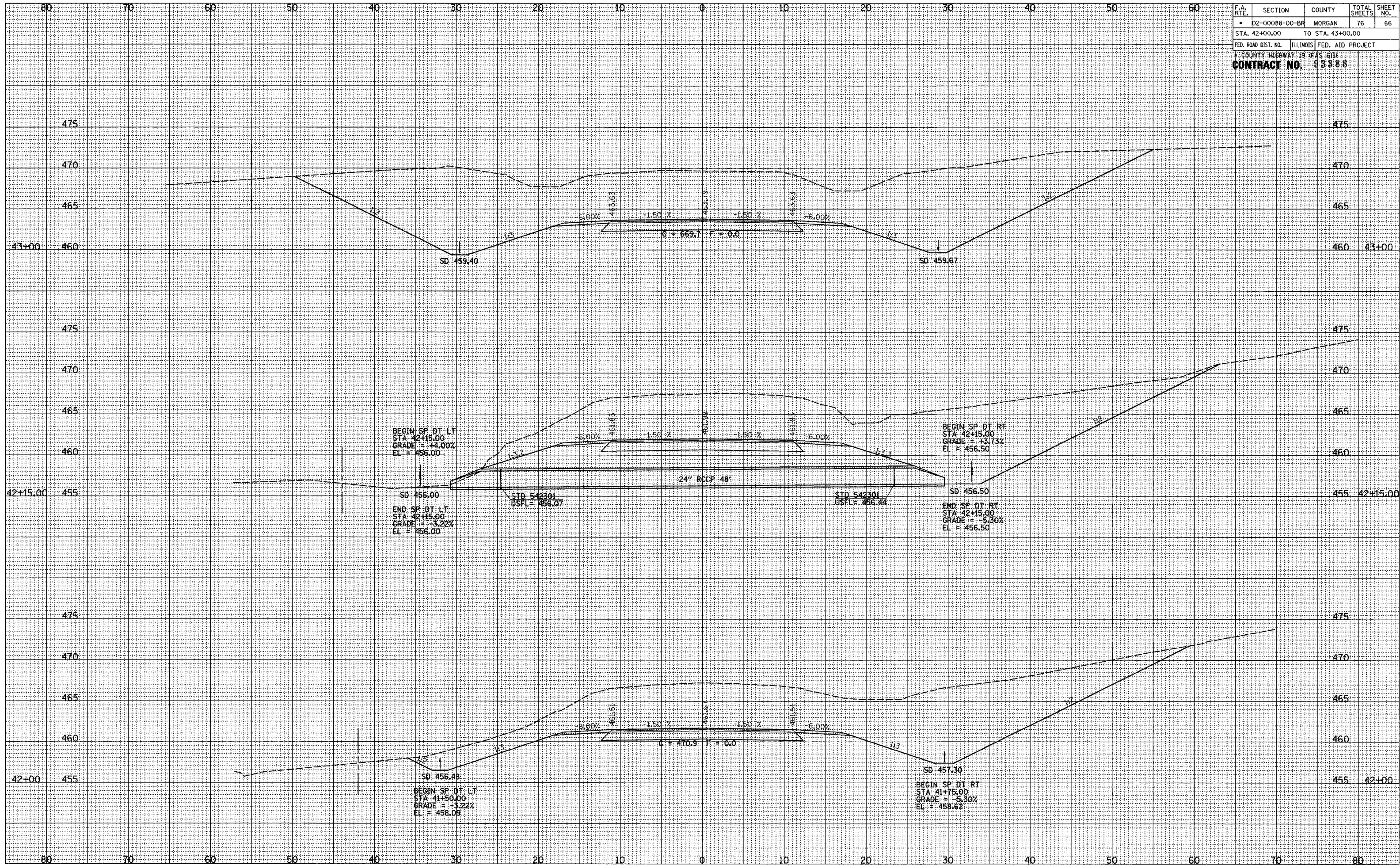


ROADWAY CROSS SECTIONS E STRAWN CROSSING ROAD (CH 2)

SURVEYED SURVEYED  
 NOTE BOOK TEMPLATE  
 AREAS CHECKED AREAS CHECKED  
 NO. NO.

SURVEYED SURVEYED  
 NOTE BOOK TEMPLATE  
 AREAS CHECKED AREAS CHECKED  
 NO. NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 02-00088-00-BR		MORGAN	76	66
STA. 42+00.00 TO STA. 43+00.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
COUNTY HIGHWAY 19 3/4 S. 6115				
<b>CONTRACT NO. 03388</b>				



ROADWAY CROSS SECTIONS E STRAWN CROSSING ROAD (CH 2)

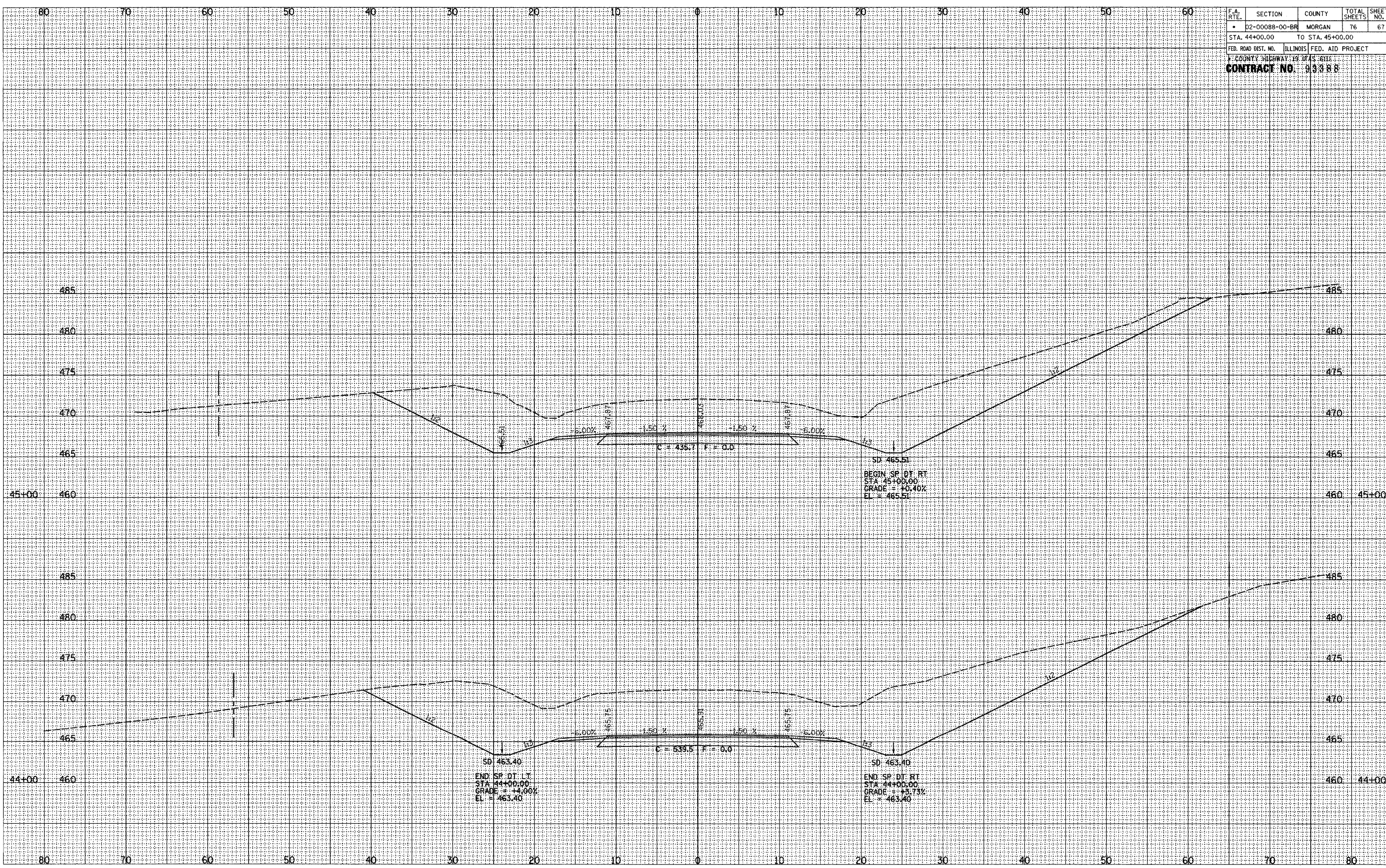
SURVEYED  
 SURVEY  
 NOTE BOOK  
 TEMPLATE  
 AREAS  
 CHECKED  
 NO.

SURVEYED  
 SURVEY  
 NOTE BOOK  
 TEMPLATE  
 AREAS  
 CHECKED  
 NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 02-00088-00-BR	MORGAN		76	67
STA. 44+00.00		TO STA. 45+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
COUNTY HIGHWAY 19 2745 611				
<b>CONTRACT NO. 93388</b>				

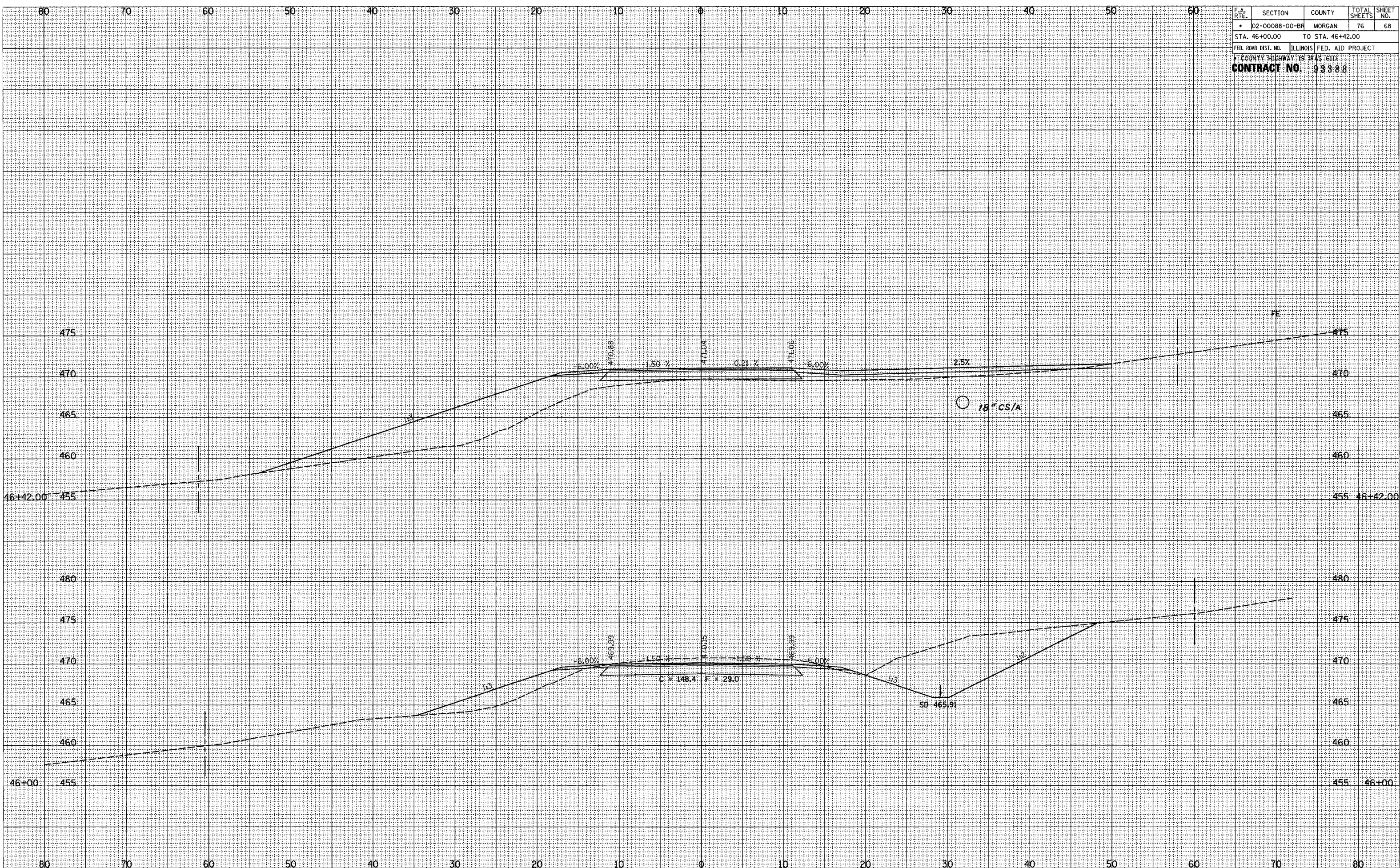
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	



ROADWAY CROSS SECTIONS E STRAWN CROSSING ROAD (CH 2)

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00088-00-BR		MORGAN	76	68
STA. 46+00.00		TO STA. 46+42.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
COUNTY HIGHWAY 19		CONTRACT NO. 93388		

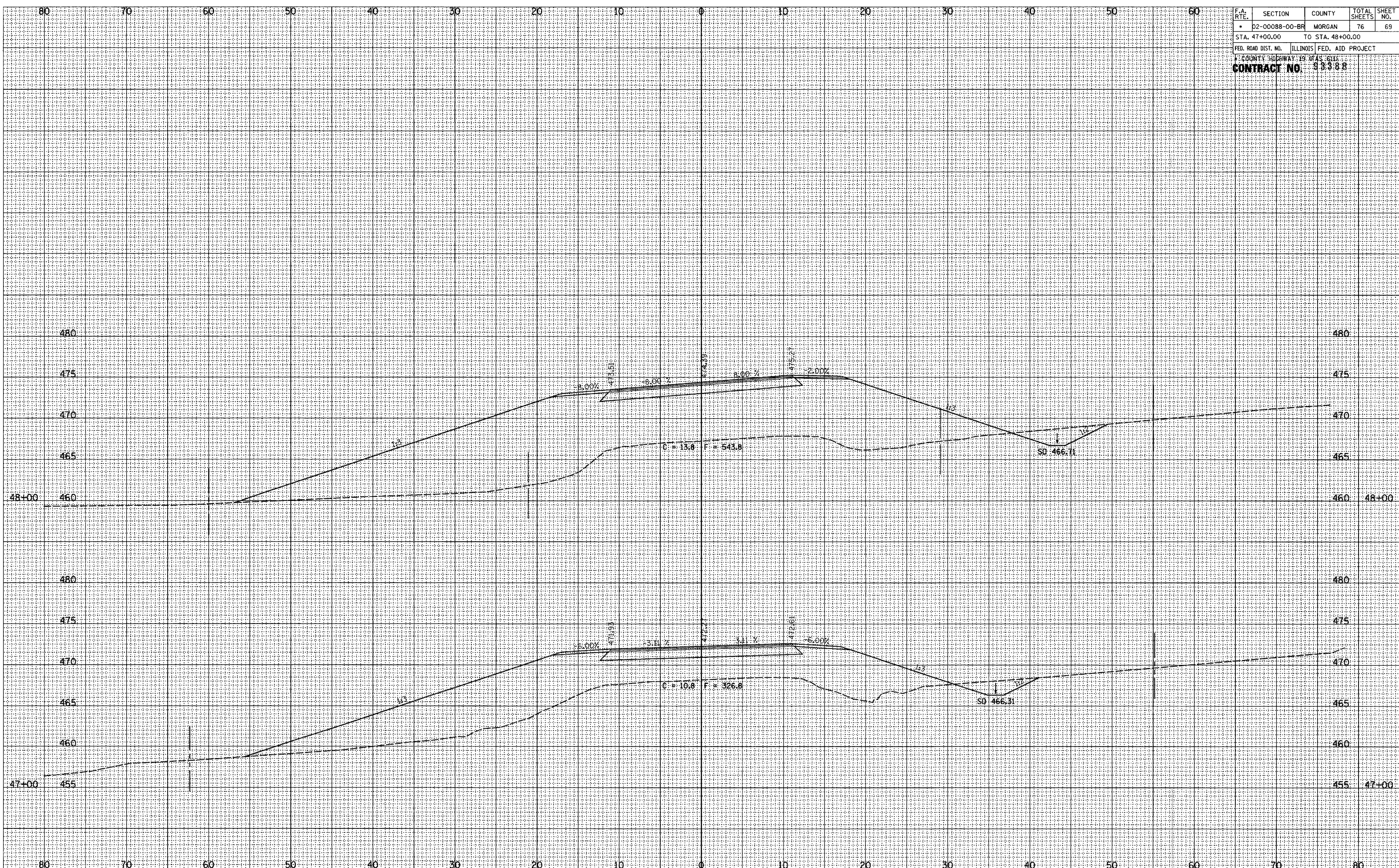


SURVEYED	PLOTTED	REPLATE	AREAS CHECKED
NO.			

SURVEYED	PLOTTED	REPLATE	AREAS CHECKED
NO.			

ROADWAY CROSS SECTIONS E STRAWN CROSSING ROAD (CH 2)

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00088-00-BR	MORGAN		76	69
STA. 47+00.00		TO STA. 48+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
COUNTY HIGHWAY 19 1/2 AS BLD				
<b>CONTRACT NO. 93388</b>				

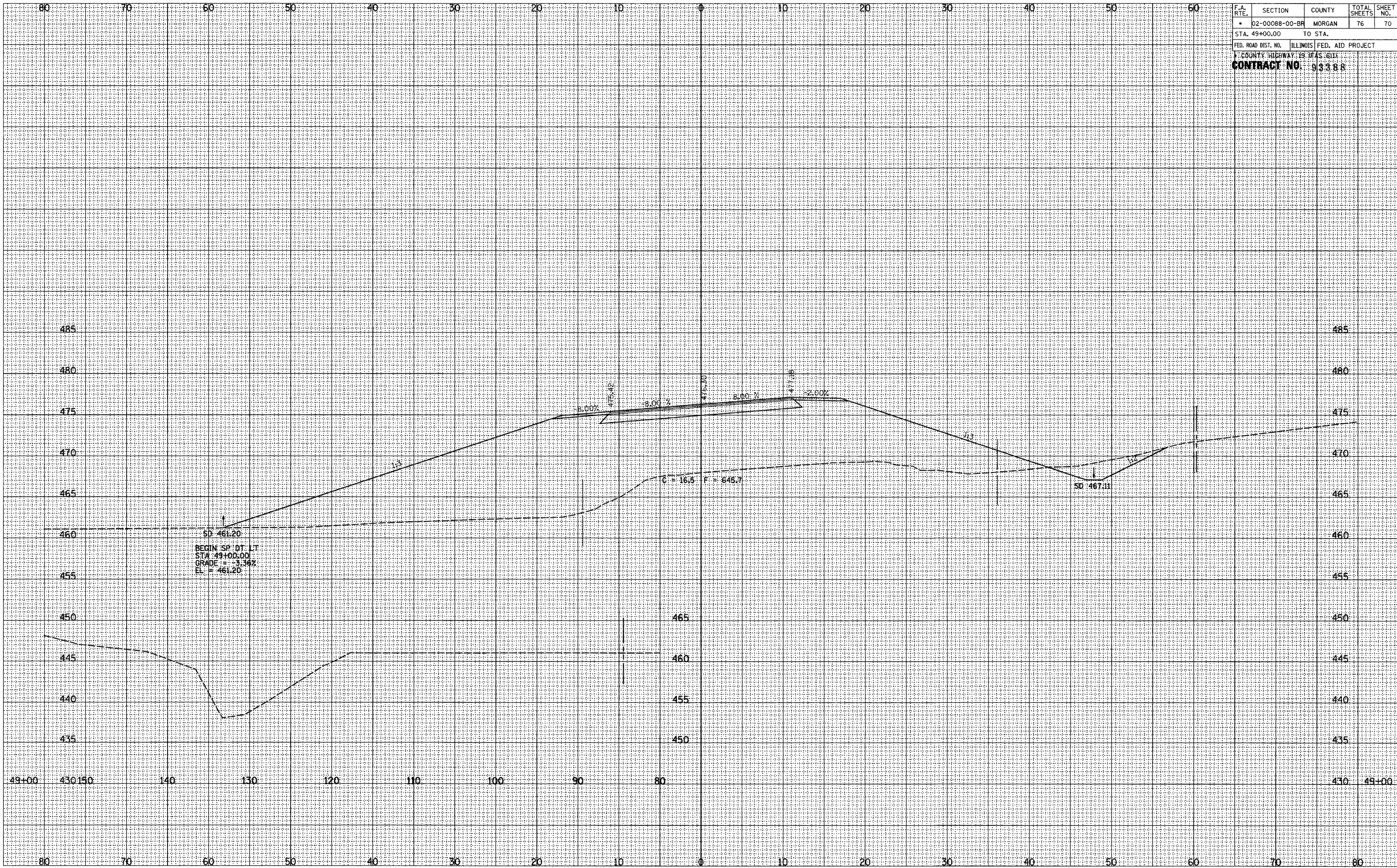


ROADWAY CROSS SECTIONS E STRAWN CROSSING ROAD (CH 2)

SURVEYED  
 SURVEY  
 PLOTTED  
 NOTE BOOK  
 TEMPLATE  
 AREAS CHECKED  
 NO.

SURVEYED  
 SURVEY  
 PLOTTED  
 NOTE BOOK  
 TEMPLATE  
 AREAS CHECKED  
 NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	02-00088-00-BR	MORGAN	76	70
STA. 49+00.00		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
COUNTY HIGHWAY 19 STAS 611				
<b>CONTRACT NO. 93388</b>				

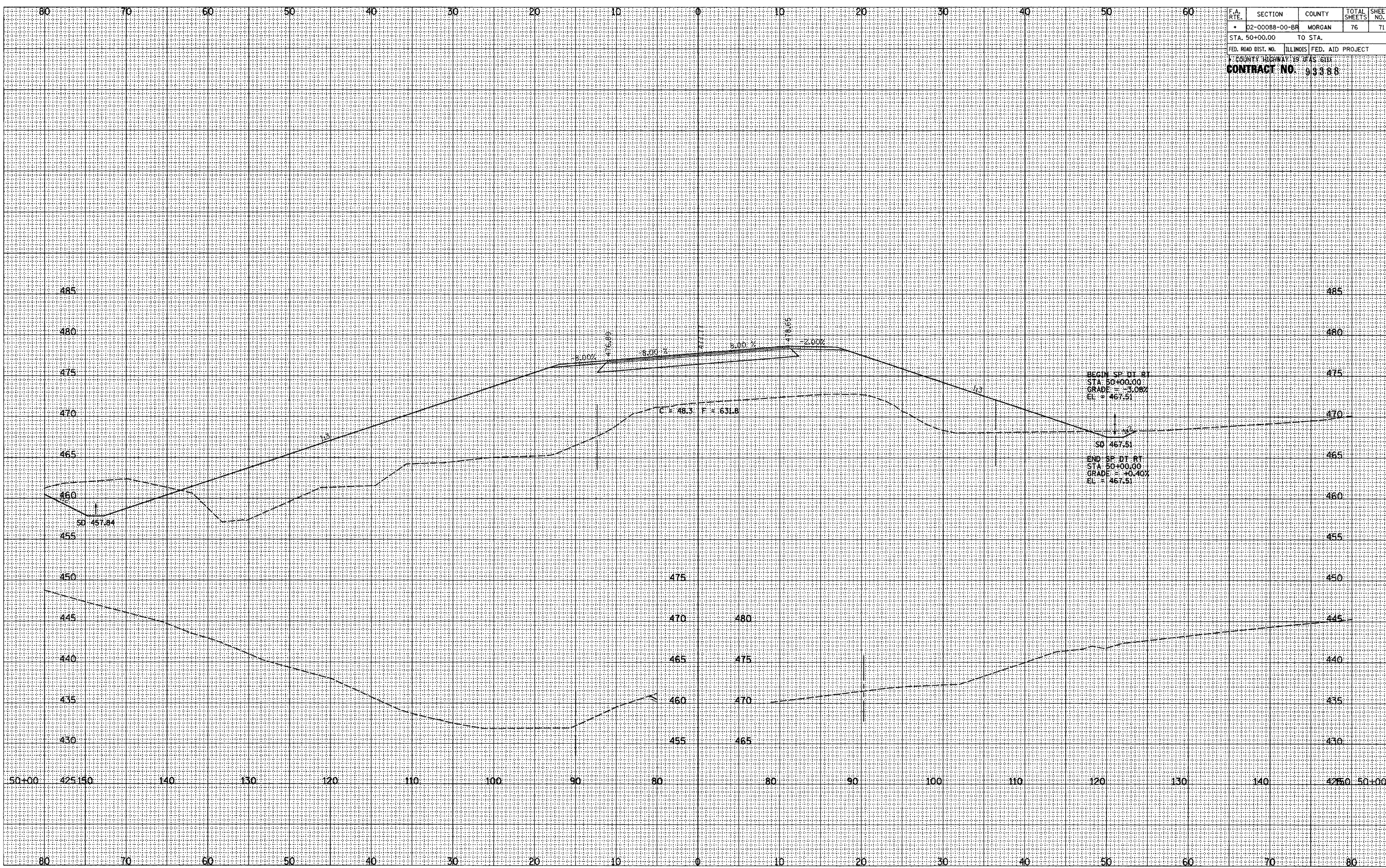


SURVEYED	NO.
FLOTTED	
TEMPERATURE	
AREAS CHECKED	

SURVEYED	NO.
FLOTTED	
TEMPERATURE	
AREAS CHECKED	

ROADWAY CROSS SECTIONS E STRAWN CROSSING ROAD (CH 2)

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 02-00088-00-BR	MORGAN		76	71
STA. 50+00.00		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
COUNTY HIGHWAY 19		FAS 6118		
<b>CONTRACT NO. 93388</b>				



SURVEYED	PLOTTED	TEMPLATE	AREAS CHECKED
NO.			

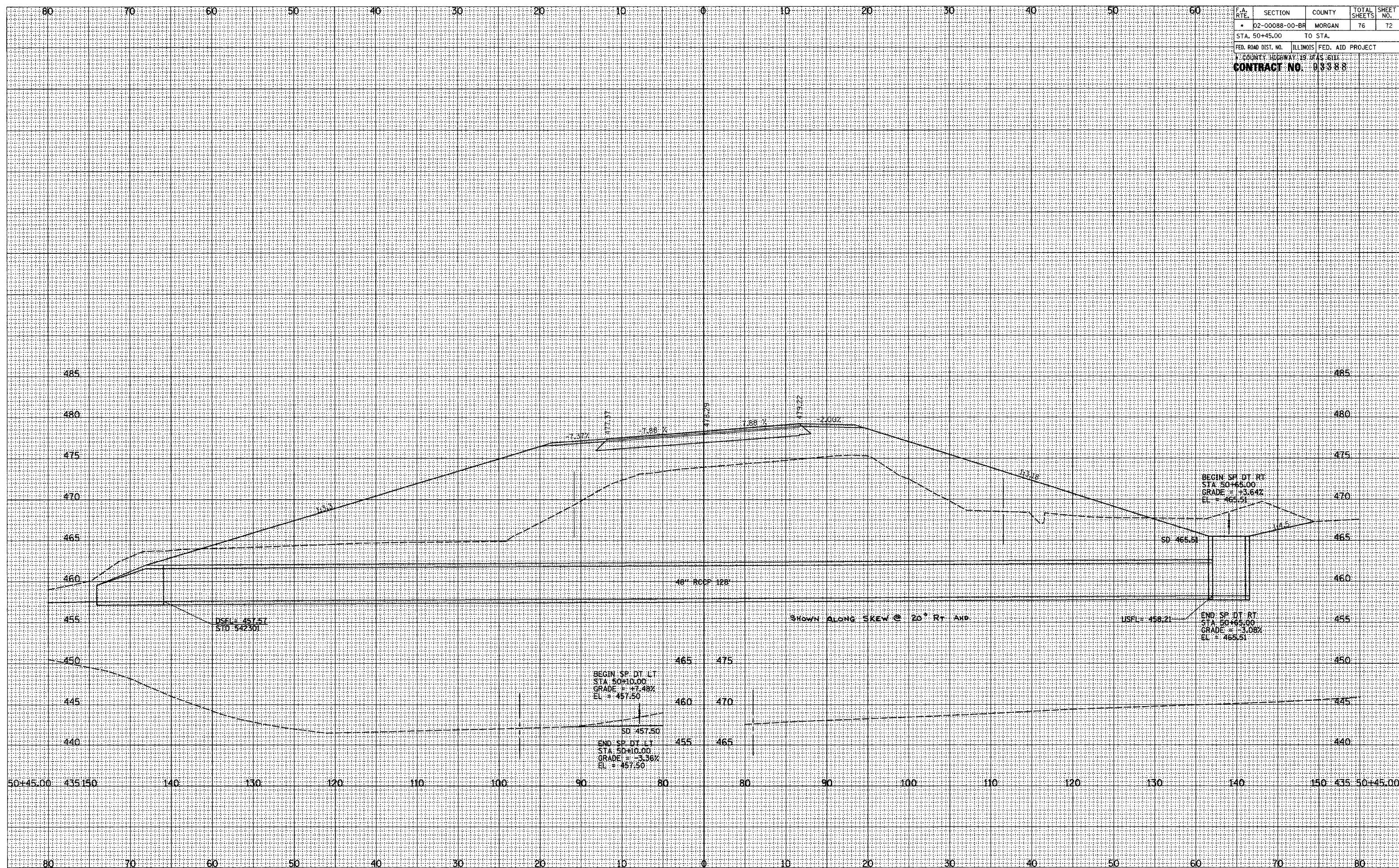
SURVEYED	PLOTTED	TEMPLATE	AREAS CHECKED
NO.			

ROADWAY CROSS SECTIONS E STRAWN CROSSING ROAD (CH 2)

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-0088-00-BR		MORGAN	76	72
STA. 50+45.00		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
COUNTY HIGHWAY IS IF AS 6111				
<b>CONTRACT NO. 93388</b>				

SURVEYED \_\_\_\_\_  
 SURVEY \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 TEMPLATE \_\_\_\_\_  
 AREAS \_\_\_\_\_  
 CHECKED \_\_\_\_\_  
 NO. \_\_\_\_\_

SURVEYED \_\_\_\_\_  
 SURVEY \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 TEMPLATE \_\_\_\_\_  
 AREAS \_\_\_\_\_  
 CHECKED \_\_\_\_\_  
 NO. \_\_\_\_\_



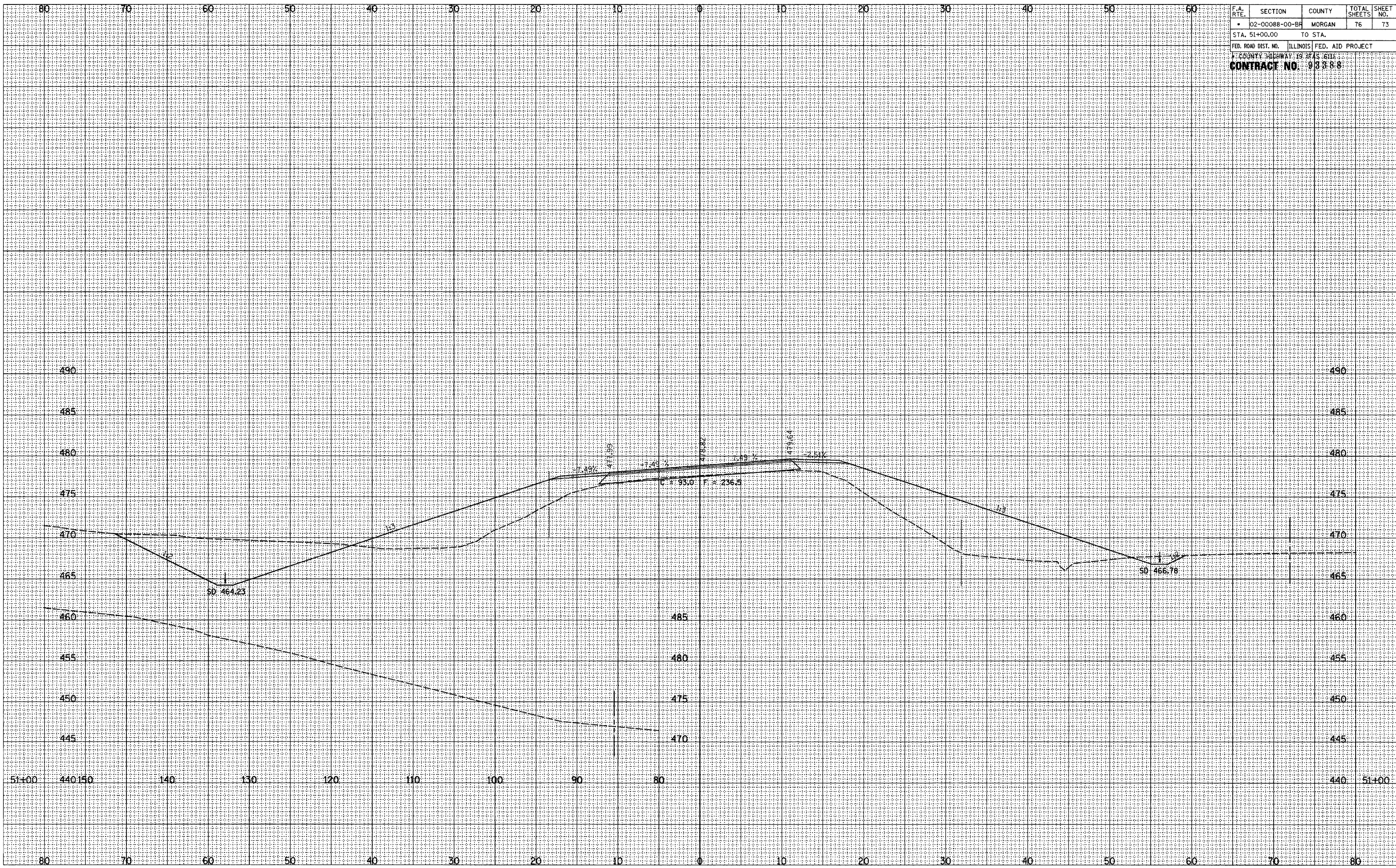
ROADWAY CROSS SECTIONS E STRAWN CROSSING ROAD (CH 2)



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 02-00088-00-BF	MORGAN		76	73
STA. 51+00.00		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
COUNTY HIGHWAY 19 SEAS 611				
<b>CONTRACT NO. 93588</b>				

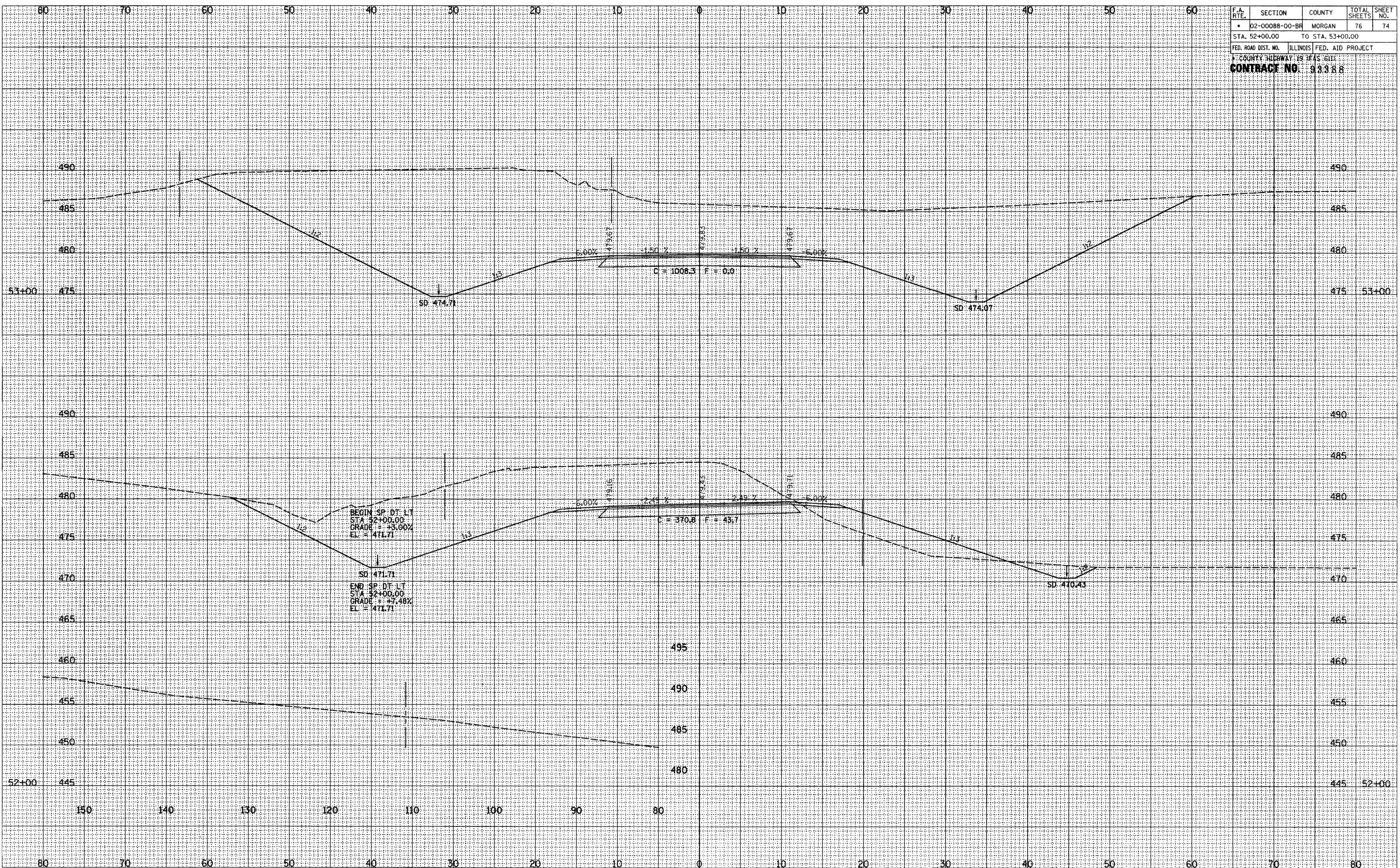
SURVEYED	PLOTTED	TEMPERATURE	AREAS CHECKED
NO.			

SURVEYED	PLOTTED	TEMPERATURE	AREAS CHECKED
NO.			



ROADWAY CROSS SECTIONS E STRAWN CROSSING ROAD (CH 2)

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D2-00088-00-BF	MORGAN	76	74
STA. 52+00.00 TO STA. 53+00.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
CONTRACT NO. 93388				

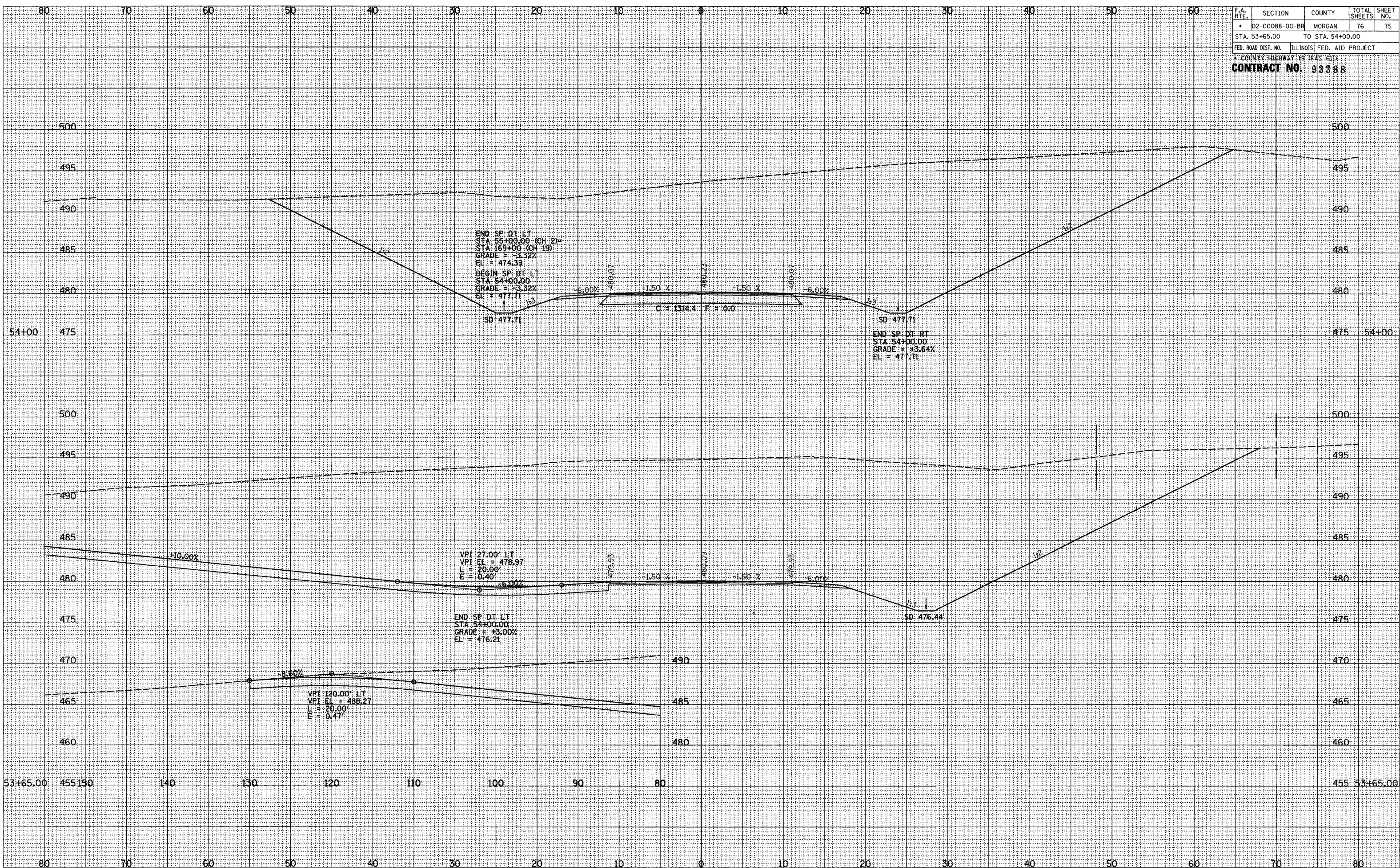


ROADWAY CROSS SECTIONS E STRAWN CROSSING ROAD (CH 2)

SURVEYED  
 PLOTTED  
 CHECKED  
 SURVEY  
 NOTE BOOK  
 NO.

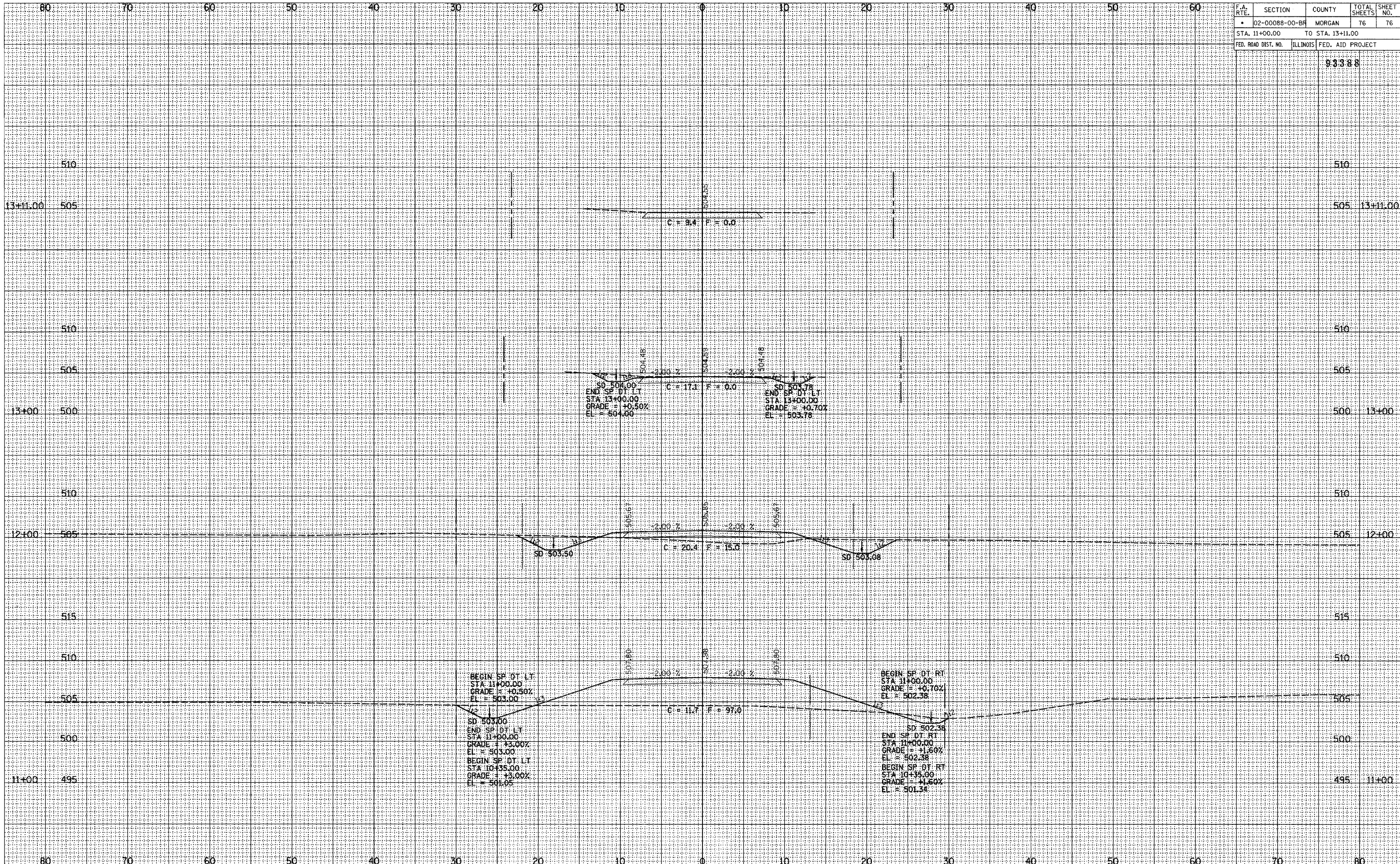
SURVEYED  
 PLOTTED  
 CHECKED  
 SURVEY  
 NOTE BOOK  
 NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00088-00-BR		MORGAN	76	75
STA. 53+65.00		TO STA. 54+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
COUNTY HIGHWAY 19 TRAS (61)				
<b>CONTRACT NO. 93388</b>				



ROADWAY CROSS SECTIONS E STRAWN CROSSING ROAD (CH 2)

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 02-00088-00-BF		MORGAN	76	76
STA. 11+00.00		TO STA. 13+11.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



ORIGINAL SURVEY PLOTTED TEMPLATE NO. SURVEYED PLOTTED TEMPLATE NO. CHECKED AREAS CHECKED

ORIGINAL SURVEY PLOTTED TEMPLATE NO. SURVEYED PLOTTED TEMPLATE NO. CHECKED AREAS CHECKED

ROADWAY CROSS SECTIONS JOHNSON ROAD (TR 306)