

INDEX OF SHEETS

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2306-4
2213-4
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PROPOSED IMPROVEMENT CONSISTS OF FURNISHING ALL MATERIALS, THE REMOVAL OF UNSUITABLE MATERIAL & REPLACEMENT WITH GRANULAR MATERIAL, THE CONSTRUCTION OF A TEMPORARY LEVEE, THE CONSTRUCTION OF THE RELOCATED TOWNSHIP ROAD 317, THE CONSTRUCTION OF EMBANKMENT, THE CONSTRUCTION DRAINAGE STRUCTURES. THIS CONTRACT ALSO INCLUDES THE CONSTRUCTION OF APPROACH PIERS & ABUTMENTS FOR CARRYING F.A. ROUTE 75 OVER THE ILLINOIS RIVER AND ALL APPURTENT & COLLATERAL WORK TO COMPLETE THE PROJECT AS SHOWN ON THE PLANS.

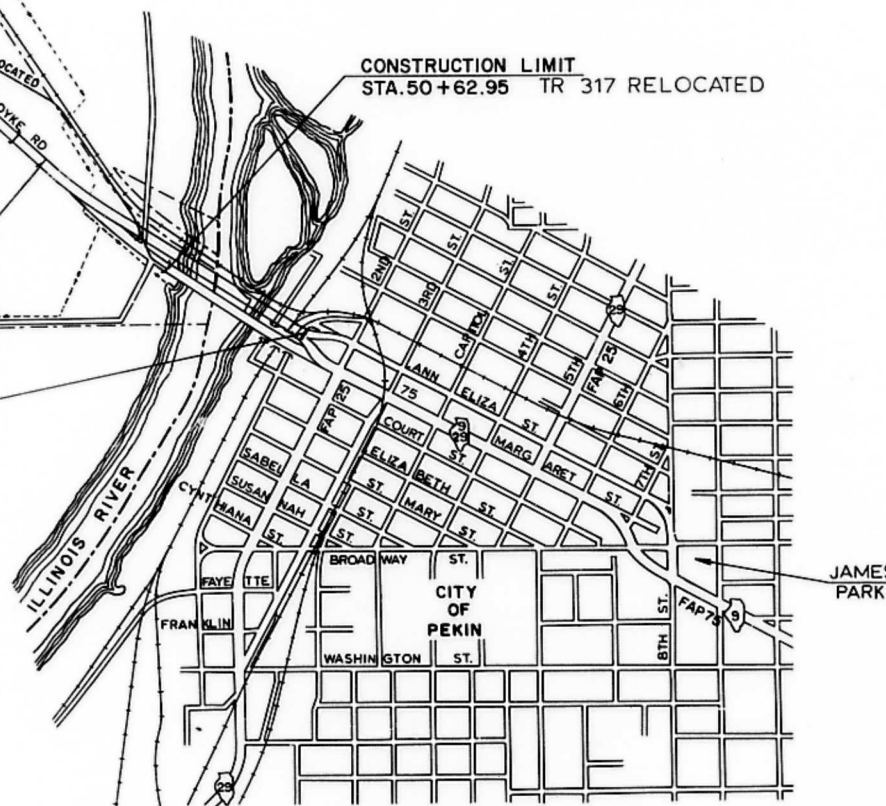
PROJECT BEGINS
STA. 47+56.44

ROADWAY WORK ENDS
STA. 81+62.00

PROJECT ENDS
STA. 104+89.04

CONSTRUCTION LIMIT
STA. 20+00 T.R. 317 RELOCATED

CONSTRUCTION LIMIT
STA. 50+62.95 TR 317 RELOCATED



LAYOUT
SCALE 1" = 800'

PROJECT LENGTH = 3,405.56 FT. = 0.645 MI.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS PLANS FOR PROPOSED FEDERAL AID HIGHWAY

SCALES

PLAN 1 INCH = 50 FT.
PROFILE, HOR. 1 INCH = 50 FT.
PROFILE, VERT. 1 INCH = 10 FT.
CROSS-SECT. HOR. 1 INCH = 20 FT.
CROSS-SECT. VERT. 1 INCH = 10 FT.

F.A. ROUTE 75, SECTION 12 A, 12 B-1
PROJECT U-156-(19)
PEORIA COUNTY
TAZEWELL COUNTY

C-94-106-75

F.A. ROUTE	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
75	12 A, 12 B-1	PEORIA & TAZEWELL	58	1

P-94-114-71



LOCATION OF SECTION INDICATED THUS:—

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS	
SUBMITTED	5-20-75
EXAMINED	Sept 29, 1975
PASSED	Sept 29, 1975
APPROVED	Sept 29, 1975
DIRECTOR OF HIGHWAYS	

DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION	
APPROVED	
DIVISION ADMINISTRATOR	DATE

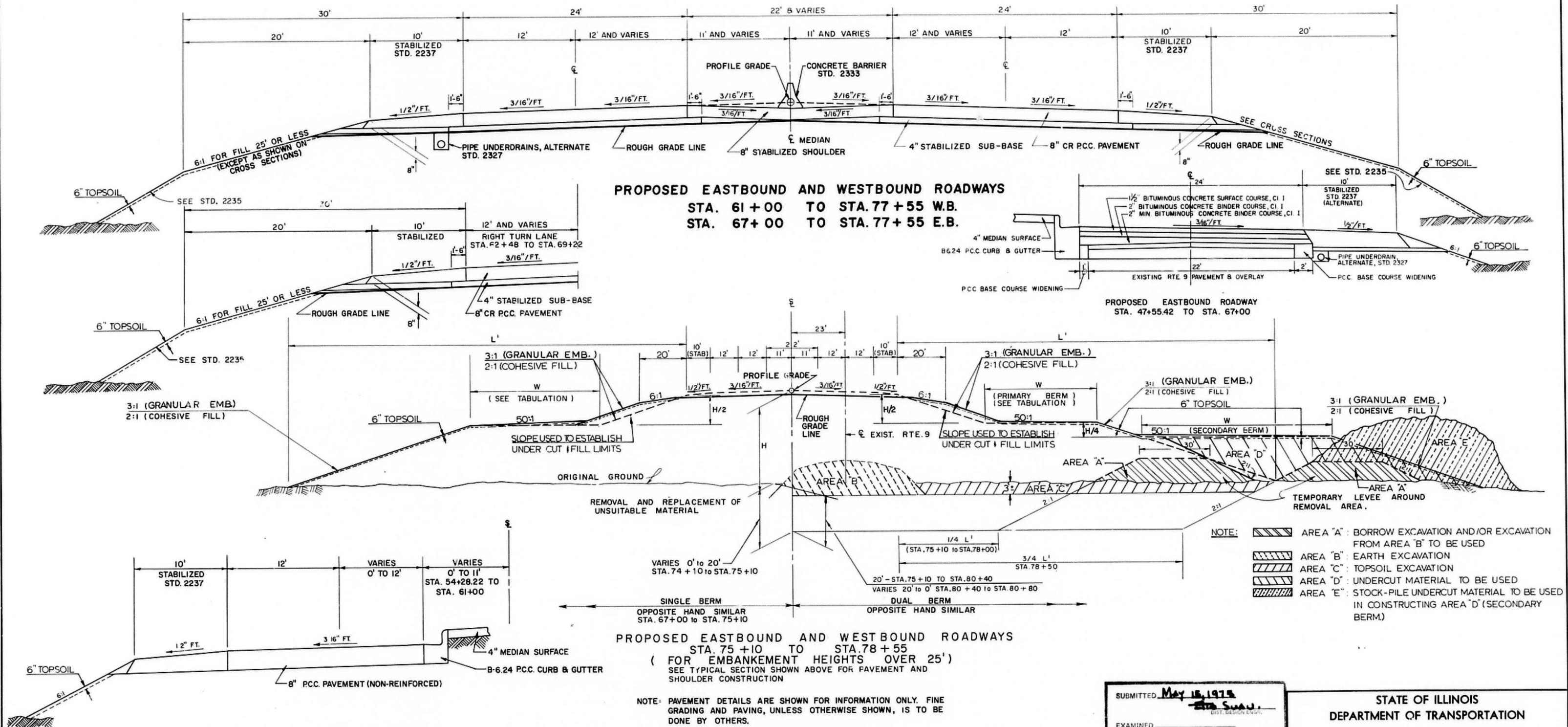
CONTRACT NO. 30897

F.A. ROUTE 75 SECTION 12A & 12 B-1 PEORIA, TAZEWELL COUNTIES

Revised 2/24/76, 8-26-

THIS CONTRACT ROUGH GRADING ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
75	12 A	PEORIA &	58	2
FED. ROAD DIV. NO.	ILLINOIS	PROJECT		



SUBMITTED May 15, 1975
John Swan
 DIST. DESIGN ENGR.

EXAMINED _____
 DIST. CONST. ENGR.

EXAMINED May 1, 1975
H.C. Bunkie
 DIST. MAINT. ENGR.

EXAMINED May 1, 1975
M. Van Nieuwen
 DIST. TRAFFIC ENGR.

Entire section inspected and approved as to policy.

DATE 5-20-75 J. J. Dardel
 DISTRICT ENGINEER

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

THE ENGINEERS COLLABORATIVE
 CHICAGO ILLINOIS

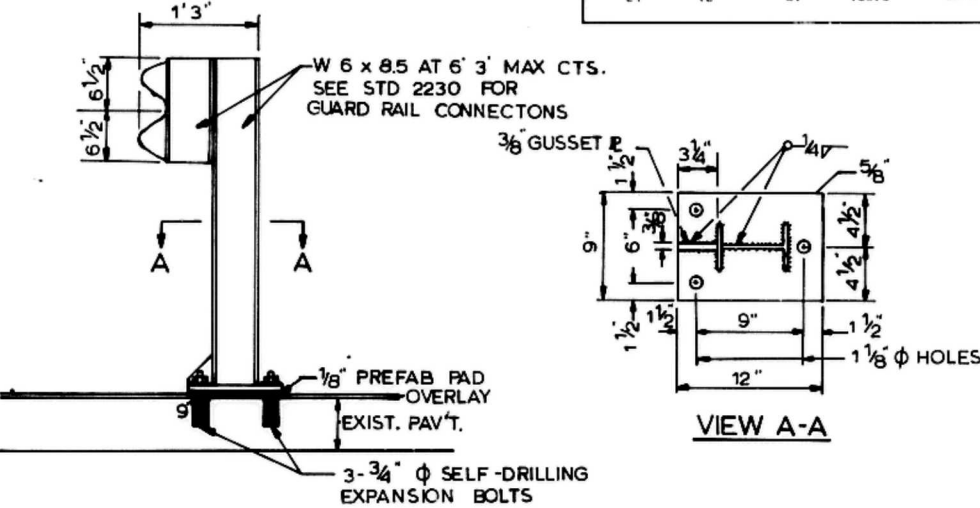
SHEET
 OF

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
75	12 A	PEORIA	58	3
FED. ROAD DIV. NO.		ILLINOIS	PROJECT	

BERM TABULATION

FILL HEIGHT		SINGLE BERM GRANULAR EMBANKMENT			SINGLE BERM (COHESIVE FILL)		
H(ft.)	H/2(ft.)	W(ft.)	L'(ft.)	1/4 L'(ft.)	W(ft.)	L'(ft.)	1/4 L'(ft.)
10	5	0	-	-	-	-	-
11	5.5	7	40.0	8.0	-	-	-
12	6	14	50.0	12.5	-	-	-
13	6.5	21	60.0	15.0	-	-	-
14	7	28	70.0	17.5	-	-	-
15	7.5	35	80.0	20.0	-	-	-
16	8	42	90.0	22.5	4	36	9
17	8.5	49	100.0	25.0	8	42	10.5
18	9	54	108.0	27.0	13	49	12.3
19	9.5	59	116.0	29.0	18	56	14
20	10	64	124.0	31.0	23	63	15.8
21	10.5	69	132.0	33.0	29	71	17.8
22	11	73	139.0	34.8	35	79	19.8
23	11.5	77	146.0	36.5	42	88	22
24	12	81	153.0	38.3	49	97	24.3

FILL HEIGHT		DUAL BERMS			GRANULAR EMBANKMENT			COHESIVE FILL		
H(ft.)	1/2 H(ft.)	1/4 H(ft.)	W(ft.)	W'(ft.)	L'(ft.)	1/4 L'(ft.)	3/4 L'(ft.)	L'(ft.)	1/4 L'(ft.)	3/4 L'(ft.)
25	12.5	6.3	50	38	125	31.3	93.8	100	25	75
26	13	6.5	55	40.2	133	33.3	99.8	107	26.8	80.2
27	13.5	6.8	60	42.4	141	35.3	105.8	114	28.5	85.5
28	14	7.0	65	44.6	149	37.3	111.8	121	30.3	90.7
29	14.5	7.3	70	46.8	157	39.3	117.8	128	32.0	96.0
30	15	7.5	75	49.0	165	41.3	123.8	135	33.8	101.2
31	15.5	7.8	80	51.2	173	43.3	129.8	142	35.5	106.5
32	16	8.0	85	53.4	181	45.3	135.8	149	37.3	111.7
33	16.5	8.3	90	55.6	189	47.3	141.8	156	39.0	117.0
34	17	8.5	95	57.8	197	49.3	147.8	163	40.8	122.2
35	17.5	8.8	100	60.0	205	51.3	153.8	170	42.5	127.5
36	18	9.0	105	62.2	213	53.3	159.8	177	44.3	132.8
37	18.5	9.3	110	64.4	221	55.3	165.8	184	46.0	138.0
38	19	9.5	115	66.6	229	57.3	171.8	191	47.8	143.3
39	19.5	9.8	120	68.8	237	59.3	177.8	198	49.5	148.5
40	20	10.0	125	71.0	245	61.3	183.8	205	51.3	153.8
41	20.5	10.3	128	73.0	251	62.8	188.3	210	52.5	157.5
42	21	10.5	130	75.0	256	64.0	192.0	214	53.5	160.5
43	21.5	10.8	132	77.0	261	65.3	195.8	218	54.5	163.5
44	22	11.0	133	79.0	265	66.3	198.8	221	55.3	166.7
45	22.5	11.3	134	80.0	269	67.3	201.8	224	56.0	169.0



CROSS SECTION

DETAIL OF GUARD RAIL ATTACHED TO EXISTING PAVEMENT

NOTES

BOLTS, NUTS, WASHERS AND SELF-DRILLING EXPANSION BOLTS SHALL CONFORM TO THE REQUIREMENTS OF A.S.T.M. DESIGNATION A-307.

ALL OTHER STRUCTURAL STEEL SHAPES AND PLATES SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-183.

BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH AASHTO M-232.

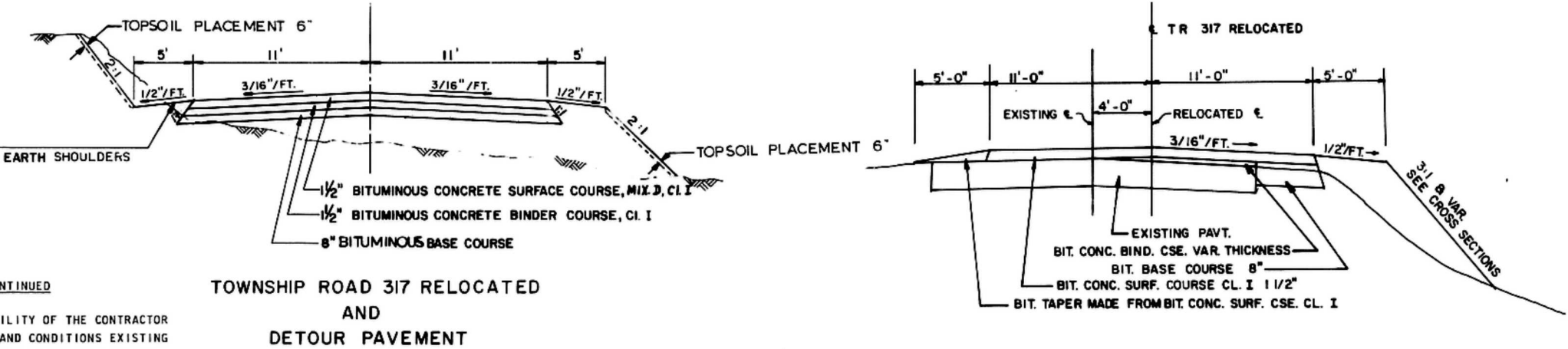
THE POSTS, PLATES AND SELF-DRILLING EXPANSION BOLTS SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH AASHTO M-111 AND ASTM A-385.

FIELD CUTTING OF POSTS. CARE SHALL BE TAKEN IN CUTTING THE LOWER PORTION OF THE POST (IF NECESSARY) TO HAVE A SMOOTH CUT WITH MINIMUM DAMAGE TO GALVANIZING. THE CUT AREAS SHALL BE PAINTED WITH ZINC RICH PAINT.

NOTES CONTINUED

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

COST OF SPECIAL POSTS AND ATTACHMENTS FOR CONNECTING GUARD RAIL TO EXISTING PAVEMENT SHALL BE INCLUDED IN COST OF STEEL PLATE BEAM GUARD RAIL.



TOWNSHIP ROAD 317 RELOCATED AND DETOUR PAVEMENT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
AND
BERM TABULATION

THE ENGINEERS COLLABORATIVE
CHICAGO ILLINOIS

SHEET
OF

SUMMARY OF QUANTITIES

QUANTITIES NOT OTHERWISE SHOWN

FA 75	12A	PEORIA	58	4
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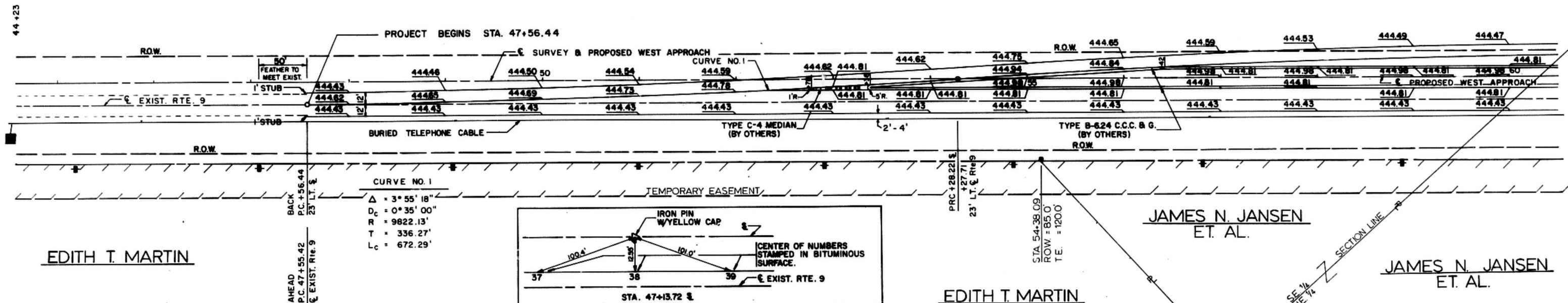
CONSTRUCTION TYPE CODE				0010		0010		X931	
CODE		ITEM		UNIT		TOTAL QUANTITIES		PEORIA	
								ROADWAY	
								BRIDGE	
								TAZEWELL	
								BRIDGE	
								STA. 47+56.44 TO STA. 81+62.00	
								STA. 75+55 TO STA. 104+89.04	
* XZ1100	TRAINEES	HOOR	6,000			2,000		2,000	2,000
X30106	BITUMINOUS BASE COURSE 8"	SQ.YD	6,182			6,182		--	--
402004	AGGREGATE SURFACE COURSE TYPE B	TON	232			232		--	--
406007	BITUMINOUS CONCRETE BINDER COURSE	TON	754			754		--	--
X40615	BITUMINOUS CONCRETE SURFACE COURSE, MIXTURE D, CLASS I	TON	666			666		--	--
501037	CONCRETE HEADWALL REMOVAL	CU.YD.	7.0			7		--	--
511108	PIPE CULVERT TYPE 2 24"	LIN.FT.	108			108		--	--
511209	PIPE CULVERT TYPE 3 RCCP 24"	LIN.FT.	204			204		--	--
511D23	PIPE CULVERT TYPE 2 CSCP 60"	LIN.FT.	180			180		--	--
511D30	PIPE CULVERT TYPE 3 CSCP 24"	LIN.FT.	92			92		--	--
511D49	PIPE CULVERT TYPE 4 CSCP 60"	LIN.FT.	325			325		--	--
601005	BROKEN CONCRETE RIPRAP	SQ.YD.	270			270		--	--
607125	PIPE DRAINS CLAY PIPE 12"	LIN.FT.	30			30		--	--
612359	MANHOLE SPECIAL 6' DIA., TYPE I FRAME & OPEN LID	EACH	1			1		--	--
X61277	MANHOLE SPECIAL 7' DIA., TYPE I FRAME & OPEN LID	EACH	1			1		--	--
617001	PAVEMENT REMOVAL	SQ.YD.	2,762			2,762		--	--
628001	STEEL PLATE BEAM GUARD RAIL SINGLE RAIL	LIN.FT.	845			845		--	--
633003	STEEL PLATE BEAM GUARD RAIL REMOVAL	LIN.FT.	700			700		--	--
639001	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	25			25		--	--
504003	CLASS X CONCRETE	CU.YDS.	4175.6			--		3983.3	192.3
512001	REINFORCEMENT BARS	LBS.	470,000			--		429,790	40210
513010	FURNISHING METAL PILE SHELLS 14"	LIN.FT.	25413			--		25413	--
X51309	FURNISHING STEEL PILES HP 14X117	LIN.FT.	14272			--		10268	4004
513025	DRIVING AND FILLING SHELLS	LIN.FT.	25413			--		25413	--
513026	DRIVING STEEL PILES	LIN.FT.	14272			--		10268	4004
513031	TEST PILE METAL SHELLS	EACH	3			--		3	--
X51318	TEST PILE STEEL HP 14X117	EACH	3			--		2	1
618001	SLOPE WALL 4"	CU.YDS.	328			--		--	328
X51157	END SECTION 24"	EACH	2			2		--	--
X51180	END SECTION 60"	EACH	1			1		--	--
X62801	TERMINAL SECTION SINGLE RAIL	EACH	6			6		--	--
X64701	PAVEMENT MARKING TAPE	LIN.FT.	126			126		--	--
X05257	BALES IN PLACE	EACH	60			60		--	--
X05258	AGGREGATE (EROSION CONTROL)	TON	20			20		--	--
632001	DELINEATORS	EACH	76			76		--	--
Temp. Sheet Plus	STRUCTURE EXCAVATION	L. Sum	1			1		--	--
X50201	ENGINEER'S FIELD OFFICE, TYPE A	CU.YDS.	2369			--		2369	--
646001	ALTERNATE "A"	EACH	1			1		--	--
202001	EARTH EXCAVATION	CU YD	35,217			35,217		--	--
202008	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	107,104			107,104		--	--
207001	EMBANKMENT	CU YD	37,813			37,813		--	--
X05673	GRANULAR EMBANKMENT	CU YD	398,011			398,011		--	--
642002	SEEDING, CLASS II	ACRE	27.5			27.5		--	--
642003	SEEDING, CLASS III	ACRE	2.1			2.1		--	--
642004	NITROGEN FERTILIZER NUTRIENTS	POUND	1,421			1,421		--	--
642005	PHOSPHORUS FERTILIZER NUTRIENTS	POUND	3,552			3,552		--	--
642006	POTASSIUM FERTILIZER NUTRIENTS	POUND	2,131			2,131		--	--
642007	AGRICULTURAL GROUND LIMESTONE	TON	59.2			59.2		--	--
643001	MULCH	TON	59.2			59.2		--	--
X21601	TOPSOIL EXCAVATION	CU YD	14,557			14,557		--	--
X21606	TOPSOIL PLACEMENT 6"	SQ YD	67,210			67,210		--	--
ALTERNATE "B"									
202001	EARTH EXCAVATION	CU YD	35,671			35,671		--	--
202008	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	100,406			100,406		--	--
207001	EMBANKMENT	CU YD	270,730			270,730		--	--
X05673	GRANULAR EMBANKMENT	CU YD	129,115			129,115		--	--
642002	SEEDING, CLASS II	ACRE	26.1			26.1		--	--
642003	SEEDING, CLASS III	ACRE	3.7			3.7		--	--
642004	NITROGEN FERTILIZER NUTRIENTS	POUND	1,430			1,430		--	--
642005	PHOSPHORUS FERTILIZER NUTRIENTS	POUND	3,576			3,576		--	--
642006	POTASSIUM FERTILIZER NUTRIENTS	POUND	2,146			2,146		--	--
642007	AGRICULTURAL GROUND LIMESTONE	TON	59.6			59.6		--	--
643001	MULCH	TON	59.6			59.6		--	--
X21601	TOPSOIL EXCAVATION	CU YD	12,234			12,234		--	--
X21606	TOPSOIL PLACEMENT 6"	SQ YD	64,734			64,734		--	--
*CONSTRUCTION TYPE CODE: Y080									

FURNISHING & ERECTING R.O.W. MARKERS
THIS SHEET = 1 EACH

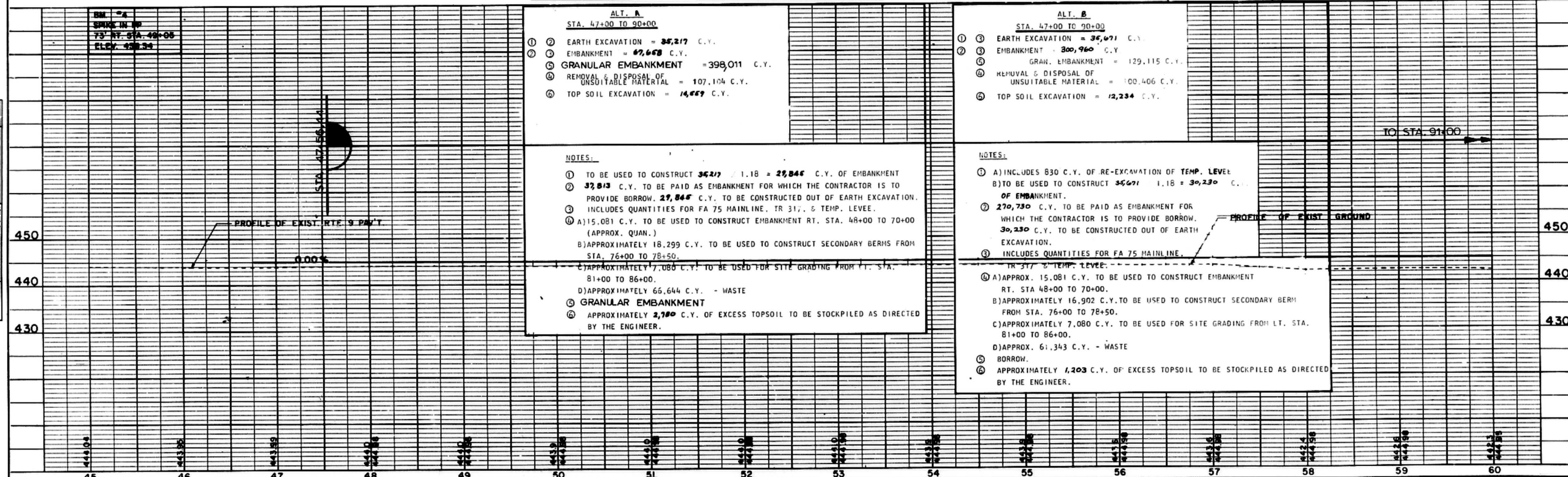
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
75	12A	PEORIA	58	5
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SCALE: 1" = 50'

CHARLES F. CUMMINGS



BM 4
SPK IN W
73' RT. STA. 48+00
Elev. 428.34



NOTE ROW FROM STA 67.00 RT TO STA 82.35 RT + R.O.W. FROM STA 70.35.67 LT TO STA 82.35 LT. SHOWN ON SHEET NO. 14

SECTION 14

T7N R7E 4TH PM
SECTION 23

SECTION 24

F & A ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
73	12 A	PEORIA	58	6
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SCALE: 1" = 50'

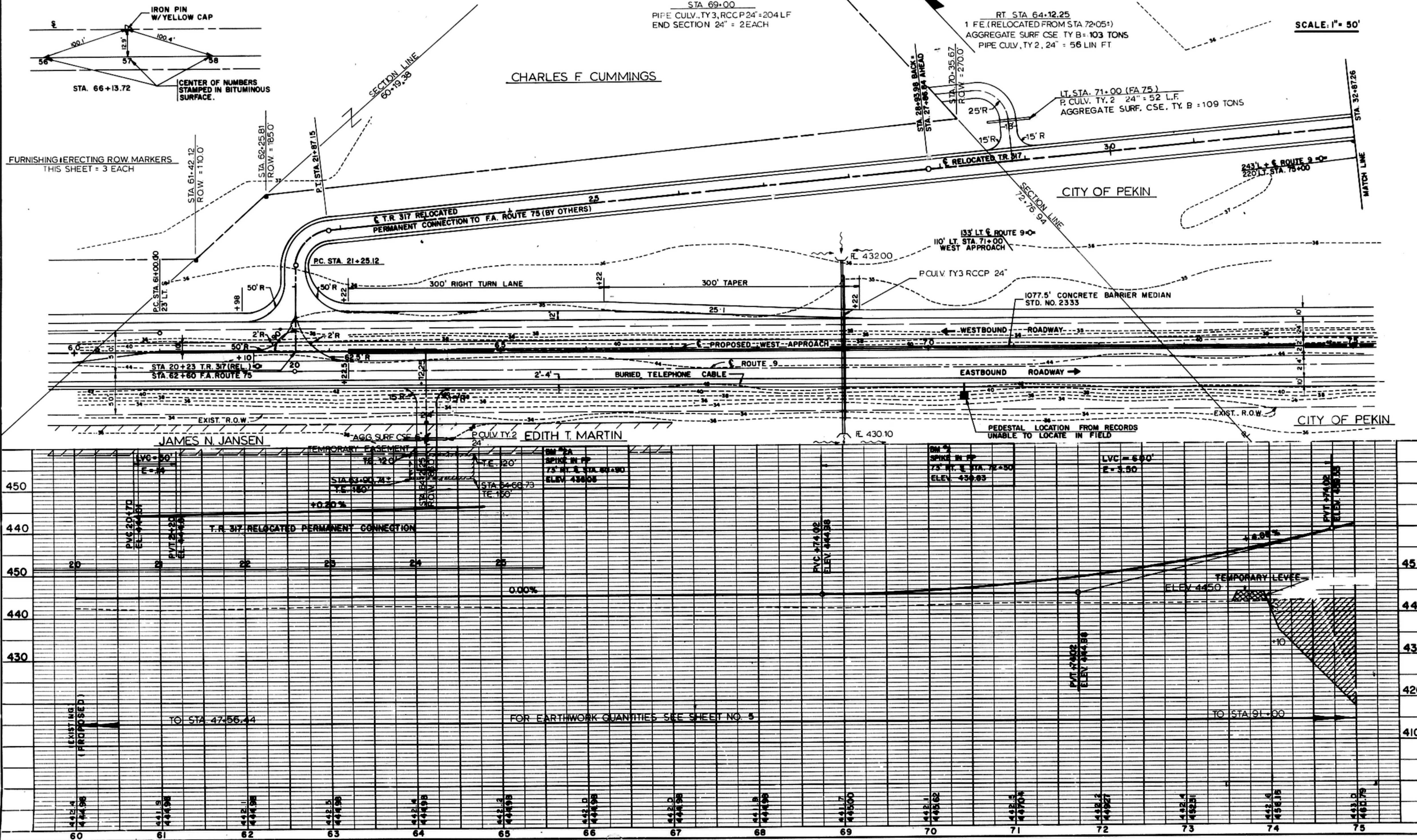
CHARLES F. CUMMINGS

STA 69.00
PIPE CULV. TY 3, RCCP 24" = 204 LF
END SECTION 24" = 2 EACH

RT STA 64.12.25
1 FE. (RELOCATED FROM STA 72.05.4)
AGGREGATE SURF CSE TY B = 103 TONS
PIPE CULV. TY 2, 24" = 56 LIN. FT

LT STA 71.00 (FA 75)
P. CULV. TY 2 24" = 52 L.F.
AGGREGATE SURF. CSE. TY. B = 109 TONS

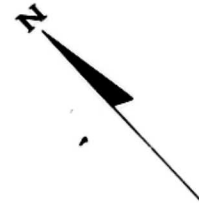
FURNISHING & ERECTING ROW MARKERS
THIS SHEET = 3 EACH



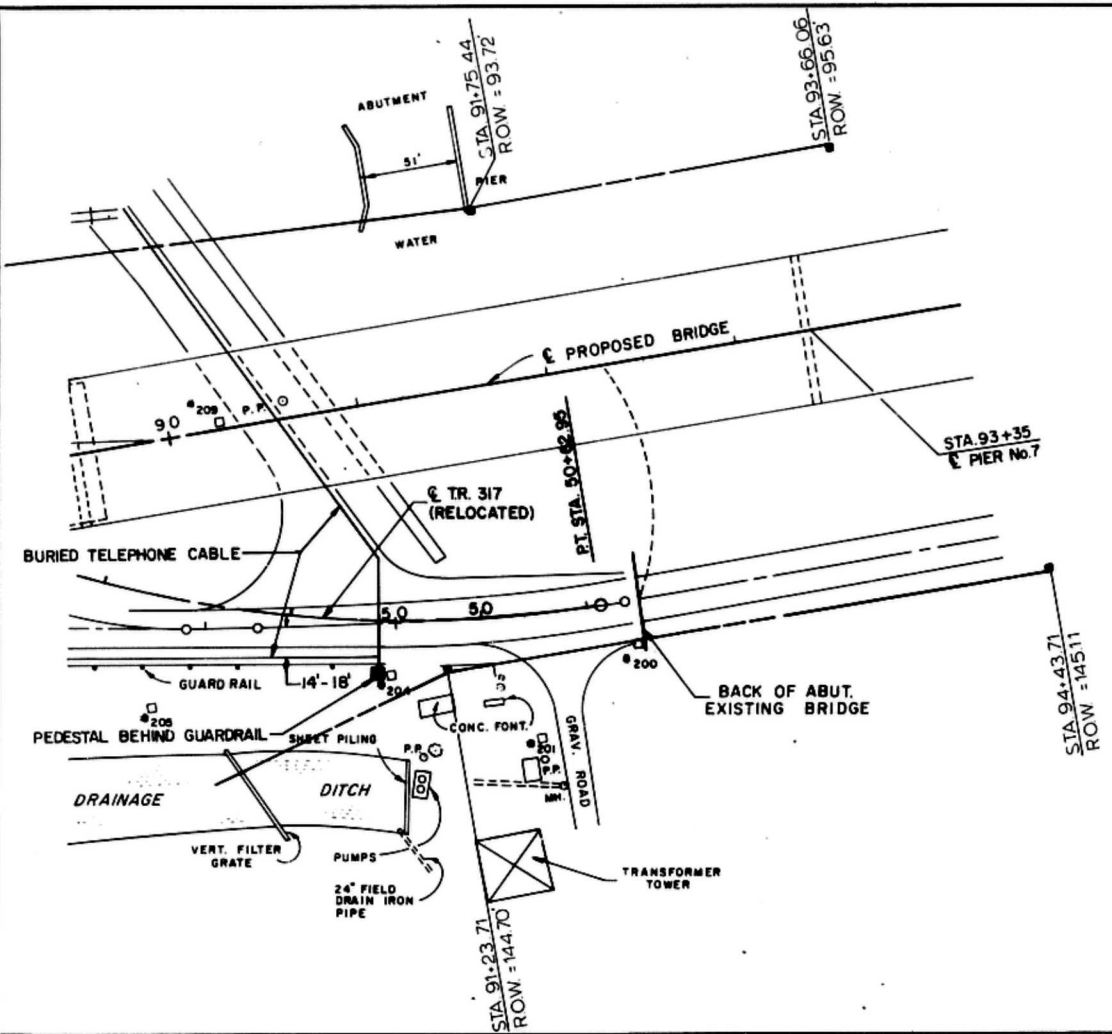
F. A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
75	12 A	PEORIA	58	8
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT

SCALE: 1" = 50'

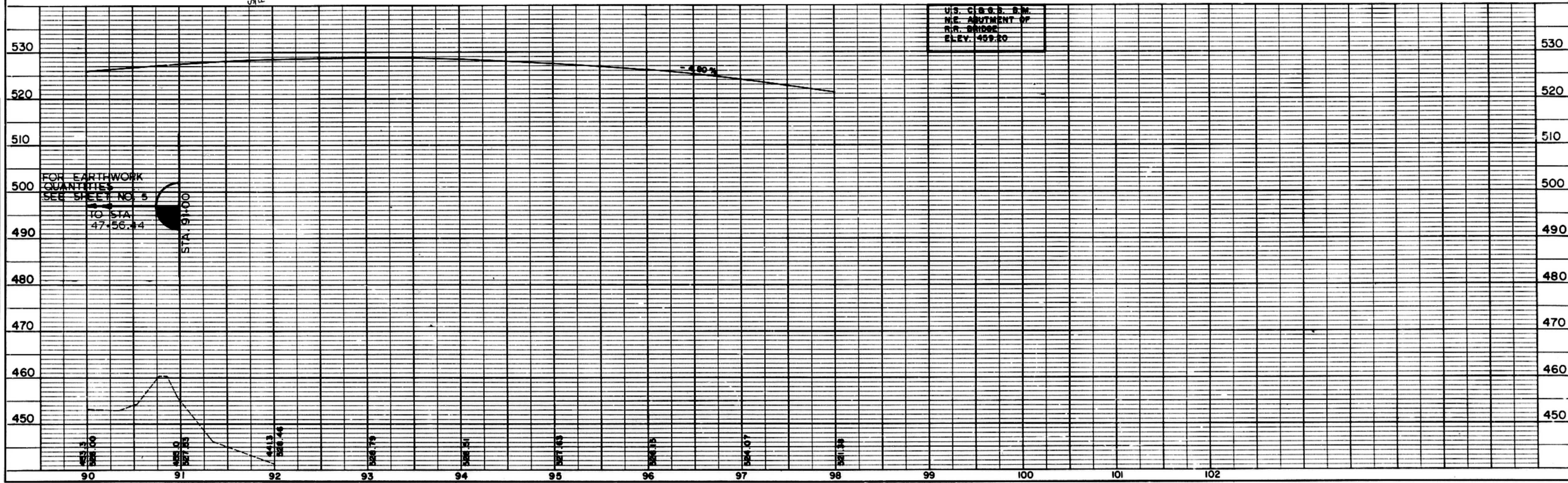
FURNISHING & ERECTING ROW MARKERS
THIS SHEET = 4 EACH



NOTE BOOK NO. 1234567890
CHECKED BY: J. M. J. NOTED
STRUCTURE NOTATIONS CITED



NOTE BOOK NO. 1234567890
CHECKED BY: J. M. J. NOTED
STRUCTURE NOTATIONS CITED



SEC. 14

T7N R7E 4TH. PM.

SEC. 23

SEC. 24

F.A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
75	12 A	PEORIA	58	9
STA. 19+00 TO STA. 32+87.26		ILLINOIS FED. AID PROJECT		

TEMPORARY CONNECTION TO EXISTING ROUTE 9

(200)

Δ = 32° 28' 35"

D = 7° 30'

R = 763.94'

T = 222.50'

L = 433.02'

E = 31.74'

P.C. = 20+00.00

P.R.C. = 24+33.02

S.E. = 0.04'/FT.*

TRANSITION:

STA. 19+00 TO STA. 20+50

(210)

Δ = 27° 05' 59"

D = 7° 39' 33"

R = 748.07'

T = 180.29'

L = 353.82'

E = 21.42'

P.R.C. = 24+33.02'

P.T. = 27+86.84'

S.E. = 0.04'/FT.

STA. 27+36.84 TO STA. 28+86.84

BITUMINOUS CONCRETE SURFACE COURSE, MIXTURE "D" CL. 1 1/2"

Sta. 19+00 to Sta. 20+00 (Super) = 10.3 TONS

Sta. 20+00 to Sta. 27+86.84 (Temporary) = 162.5 TONS

Sta. 27+86.84 to Sta. 32+87.26 (Permanent) = 103.4 TONS

Total this sheet: 2762 TONS

BITUMINOUS CONCRETE BINDER COURSE, CL. 1, 1-1/2"

Sta. 19+00 to Sta. 22+00 (Super) = 152.1 TONS

Sta. 20+00 to Sta. 27+86.84 (Temporary) = 164.4 TONS

Sta. 27+86.84 to Sta. 32+87.26 (Permanent) = 104.5 TONS

Total this sheet: 421.0 TONS

BITUMINOUS BASE COURSE, 8"

Sta. 20+30 to Sta. 27+86.84 (Temporary) = 1698 SQ YDS

Sta. 27+86.84 to Sta. 32+87.26 (Permanent) = 1251 SQ YDS

Total this sheet: 2949 SQ YDS

NOTE: DELINEATORS MAY BE ATTACHED TO GUARD RAIL FROM STA. 20+55 TO STA. 22+30 AND STA. 45+00 TO STA. 47+50. (NO PAY ITEM)

STA. 26+90:

PCULV TY 3 C.S.C.P. 24" = 92 LIN. FT.

PAVEMENT MARKING TAPE

STA. 19+00 TO 50+50 = 126 L F

TOTAL = 126 L F

SCALE: 1"=50'

SINGLE PLATE BEAM GUARD RAIL, SINGLE RAIL

RT STA. 20+80 TO 22+05 = 125 LIN. FT.

TOTAL (THIS SHEET) = 125 LIN. FT.

TERMINAL SECTION, SINGLE RAIL

RT STA. 20+55 TO 20+80 = 1 EACH

RT STA. 22+05 TO 22+30 = 1 EACH

TOTAL (THIS SHEET) = 2 EACH

*NOTE: SUPER BUILD UP ON THE EXISTING PAVEMENT FROM STA. 19+00 TO 22+00 IS TO BE DONE WITH BIT CONC. BINDER CSE UNDER TRAFFIC (ON TR. 317)

TEMPORARY CONNECTION TO EXISTING ROUTE 9

PIPE CULV. TY. 3 C.S.C.P. 24"

E. 433.00

E. 432.10

P.T. STA. 27+86.84
210.17 LT. STA. 70+01.75

E. RELOCATED TR. 317

WESTBOUND ROADWAY

EASTBOUND ROADWAY

PROPOSED WEST APPROACH

ROUTE 9

GUARD RAIL

EXIST. R.O.W.

EXIST. R.O.W.

FOR EARTHWORK QUANTITIES SEE MAIN LINE FA. 75 BALANCE ON SHEET NO. 5

+0.30%

0.0%

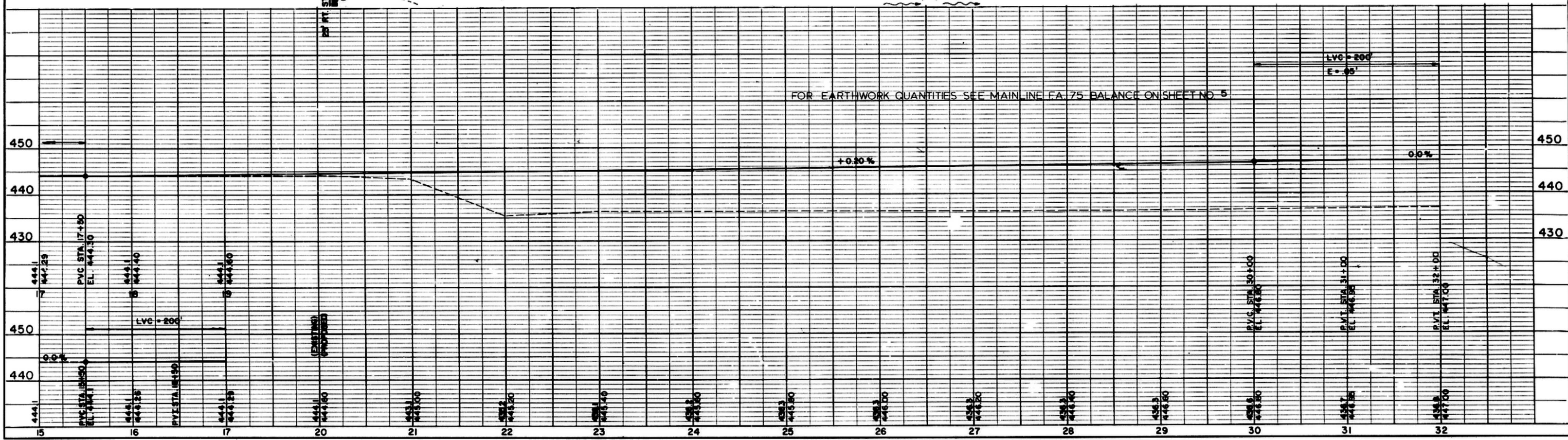


PLATE 1—PLAN—PROFILE OF P.R.C.

MADE AND PRINTED IN U.S.A.

CHARLES BRUNING COMPANY

THE ENGINEERS COLLABORATIVE - CHICAGO, ILLINOIS

TR 317 (RELOCATED)

T7N R7E 4TH.PM.
SEC 24

F.A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
75	12 A	PEORIA	58	11
STA.		TO STA.		
FED. ROAD DIST.		ILLINOIS FED. AID PROJECT		

SCALE: 1" = 50'

TERMINAL SECTION, SINGLE
RT STA 50+20 TO 50+45 = 1 EACH
(CURVED SECTION)
TOTAL THIS SHEET = 1 EACH

AGGREGATE SURFACE COURSE, TY B
LT STA 49+25 = 10 TONS
RT STA 50+25 = 10 TONS
TOTAL = 20 TONS

STEEL PLATE BEAM GUARD RAIL REMOVAL, SINGLE RAIL
RT STA 43+15 TO 50+20 = 700 LIN FT
TOTAL = 700 LIN FT

(250)
 $\Delta = 9^\circ 49' 52''$
 $D = 4^\circ 32' 30.89''$
 $R = 1241.49'$
 $T = 108.49'$
 $L = 216.45'$
 $E = 4.44'$
 $PC = 48+83.15$
 $PT = 50+99.60$
 $SE = 0.04 \text{ FT/FT}$
TRANSITION LENGTH:
SEE THIS SHEET

BITUMINOUS CONCRETE SURFACE COURSE, MIXTURE 'D' CL.I 1 1/2"

Sta. 49+00 to Sta. 50+85 = 50 TONS
Total this sheet: 50 TONS

BITUMINOUS CONCRETE BINDER COURSE, CL. 1, 1-1/2" (Super) =

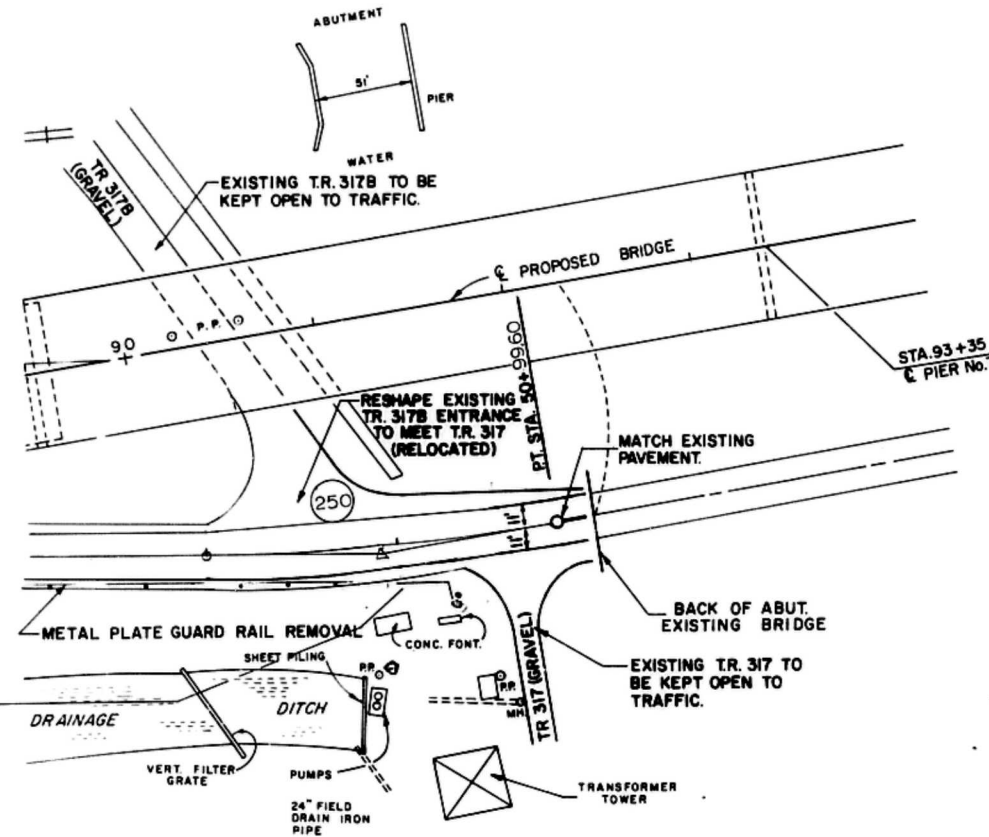
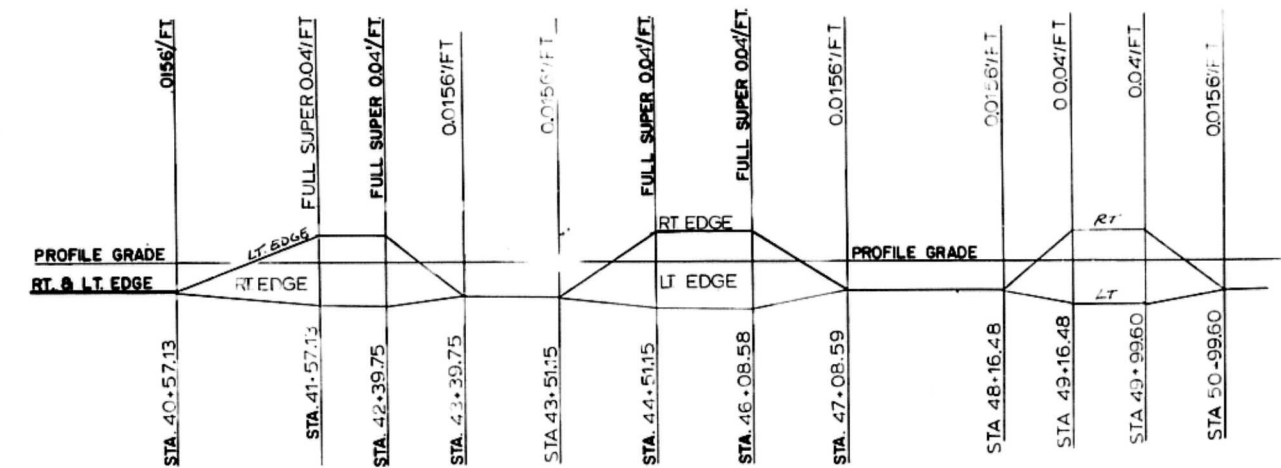
Total this sheet: 40 TONS

BITUMINOUS BASE COURSE, 8"

Sta. 49+00 to Sta. 49+90 (Mean) = 40 SQ. YDS.
Total this sheet: 40 SQ. YDS.

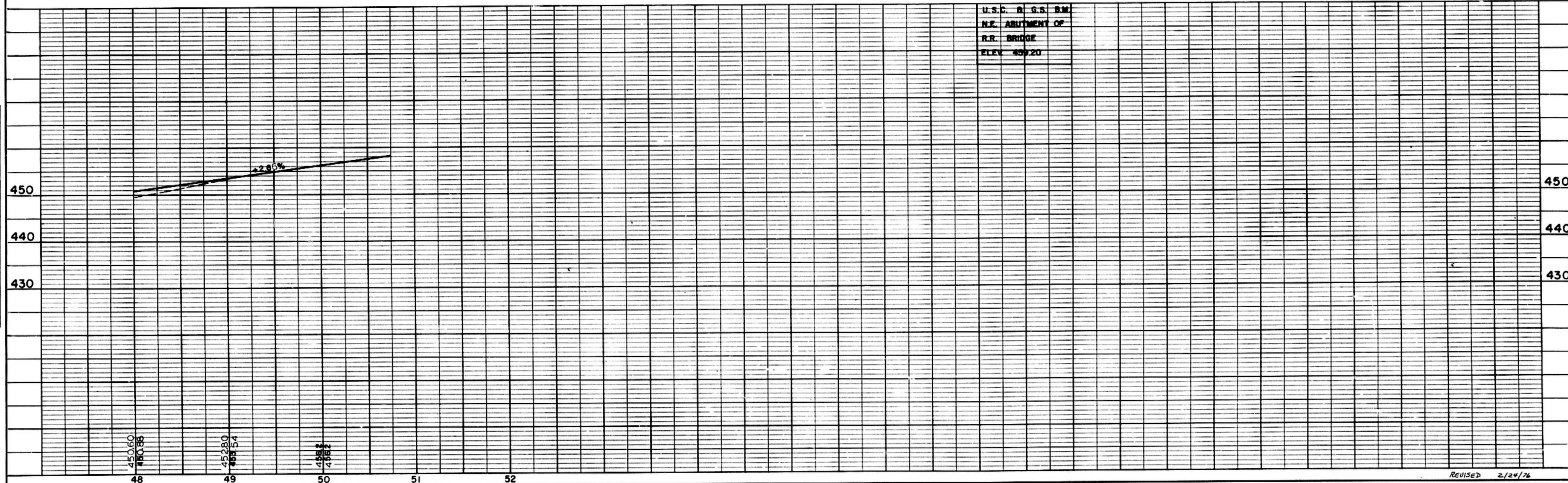
NOTE: SUPER BUILD UP ON THE EXISTING PAVEMENT IS TO BE DONE WITH BIT CONC. BINDER CSE UNDER TRAFFIC (ON TR. 317)

SUPERELEVATION TRANSITION
CURVE NO. 230, 240
AND 250



FOR PROPOSED R.O.W. SEE SHEET NO. 13

U.S.C. & G.S. B.M.
N.E. ABUTMENT OF
R.R. BRIDGE
ELEV. 459.20



REVISED 2/24/76

PLATE 1 - PLAN-PROFILE D.P.R. & E.
MADE AND PRINTED IN U.S.A.
CHARLES BRIDGES COMPANY

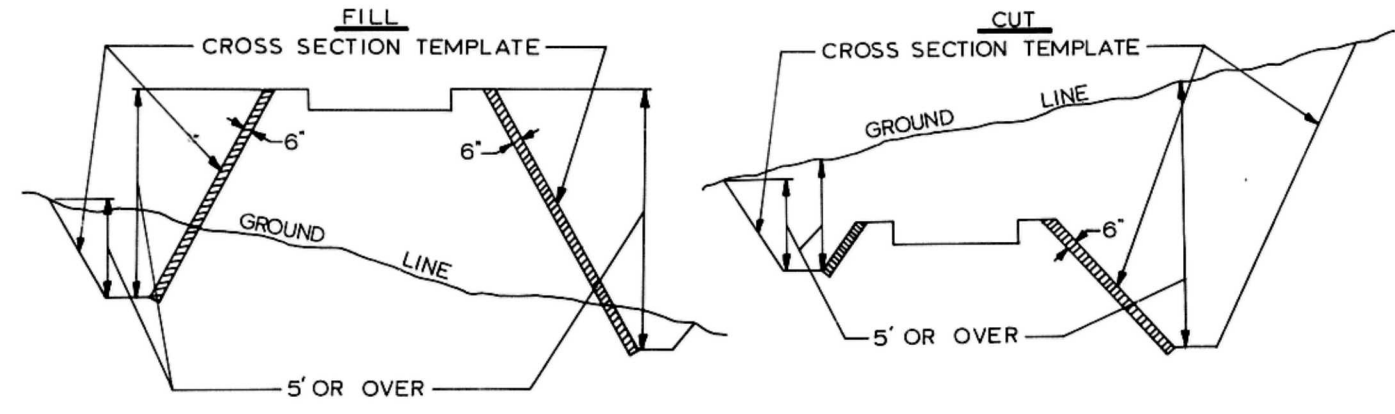
THE ENGINEERS COLLABORATIVE - CHICAGO, ILLINOIS

TR 317 (RELOCATED)

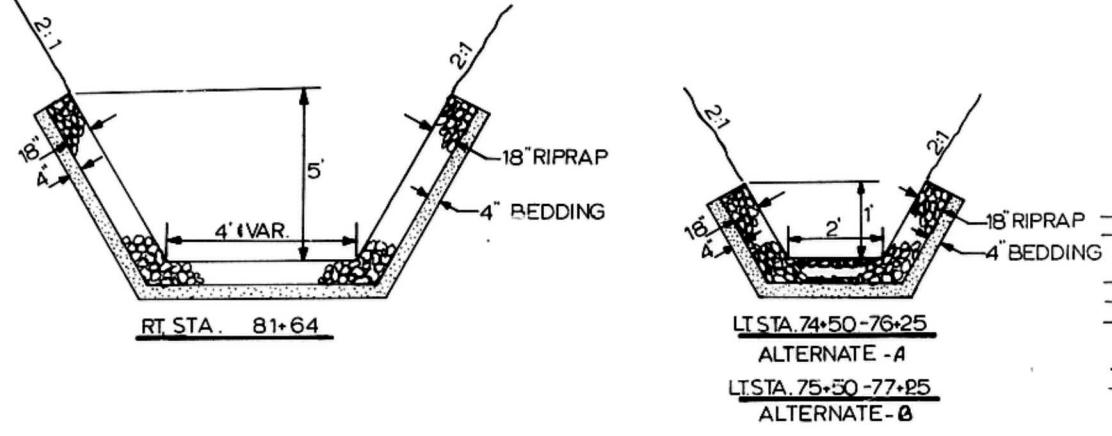
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
75	12 A	PEORIA	56	12
FED. ROAD DIV. NO.		ILLINOIS	PROJECT	

FOR GRAN. EMB. ONLY
FOR DETAILS & LIMITS SEE
CROSS SECTIONS
FOR COHESIVE SOIL SEE
CROSS SECTIONS

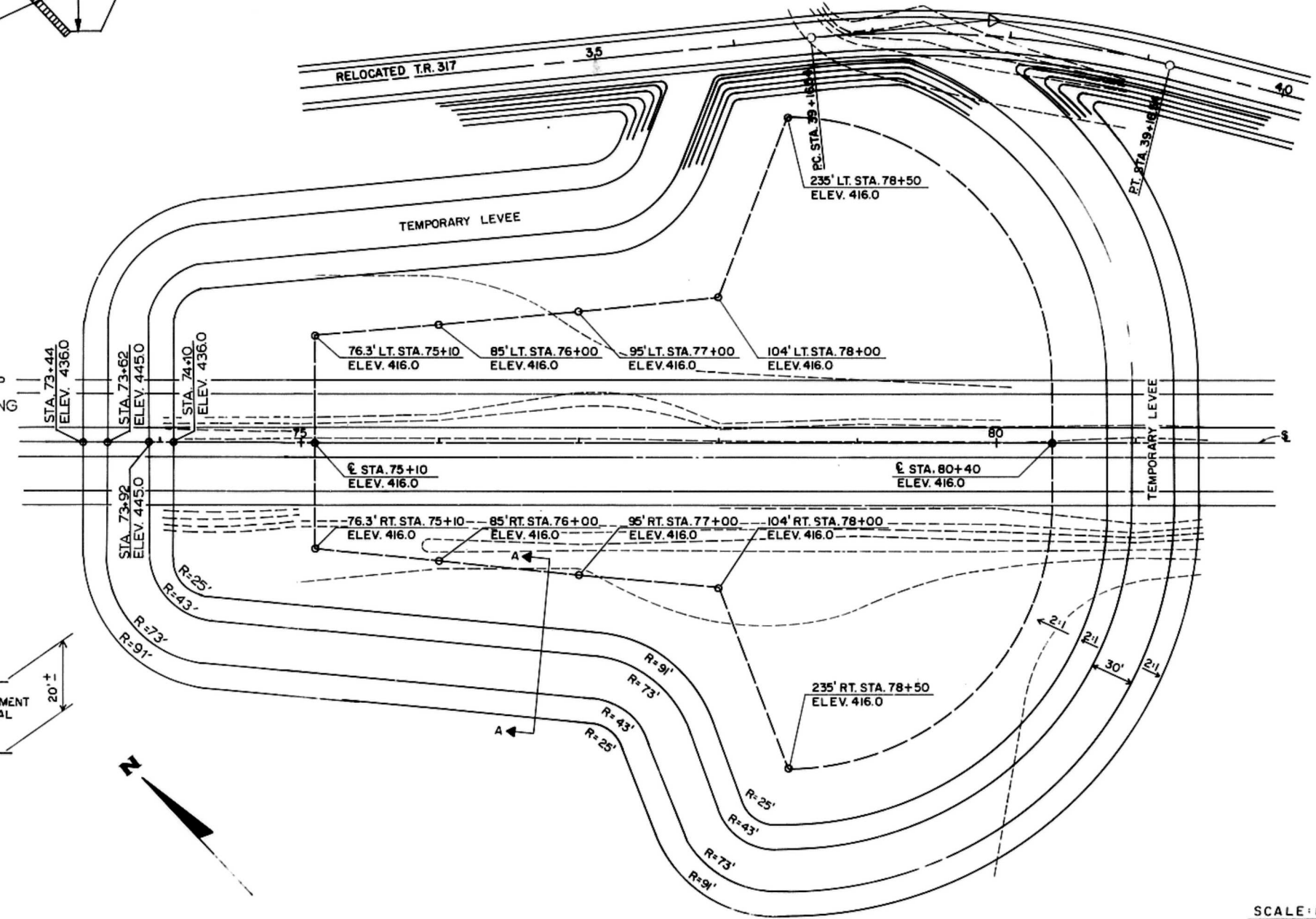
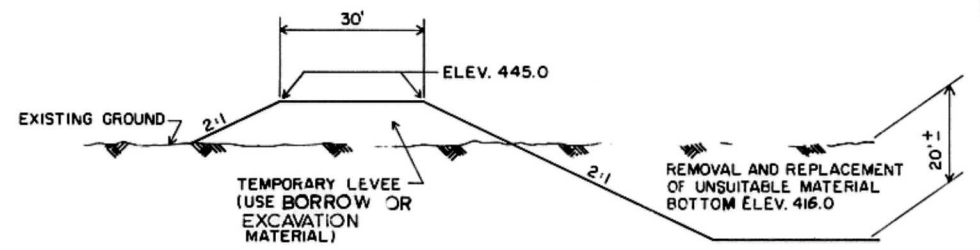
TOPSOIL PLACEMENT DETAIL



BROKEN CONCRETE RIPRAP DETAIL



SECTION A-A



SCALE: 1" = 50'

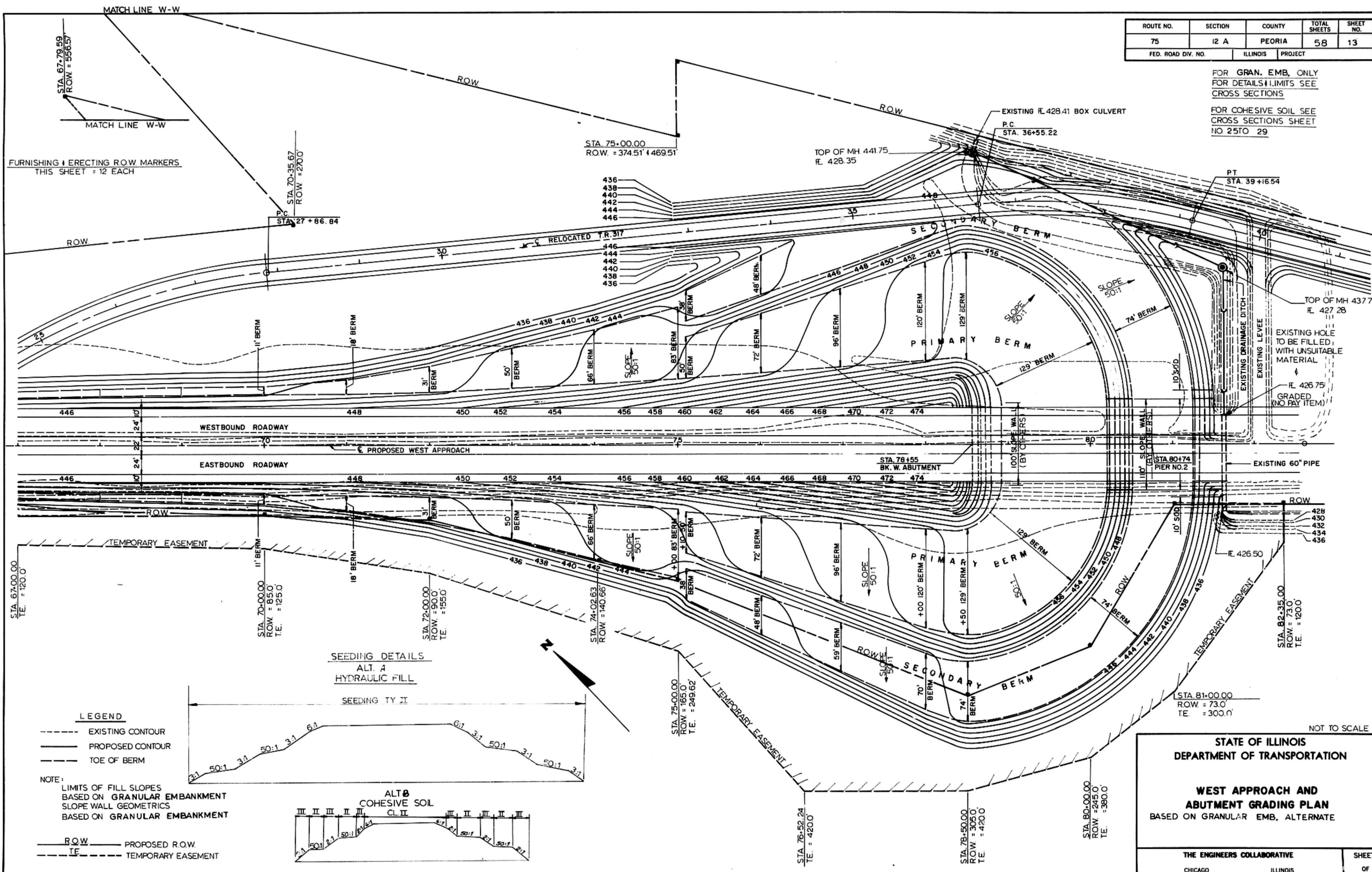
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIMITS OF REMOVAL
AND
TEMPORARY LEVEE

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
75	12 A	PEORIA	58	13
FED. ROAD DIV. NO.		ILLINOIS	PROJECT	

FOR GRAN. EMB. ONLY
FOR DETAILS & LIMITS SEE
CROSS SECTIONS

FOR COHESIVE SOIL SEE
CROSS SECTIONS SHEET
NO 25 TO 29



FURNISHING & ERECTING R.O.W. MARKERS
THIS SHEET = 12 EACH

SEEDING DETAILS
ALT. A
HYDRAULIC FILL

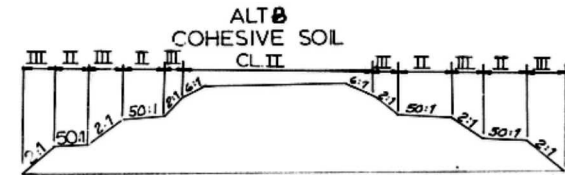
SEEDING TY II

LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- TOE OF BERM

NOTE:
LIMITS OF FILL SLOPES
BASED ON GRANULAR EMBANKMENT
SLOPE WALL GEOMETRICS
BASED ON GRANULAR EMBANKMENT

- ROW --- PROPOSED R.O.W.
- T.E. --- TEMPORARY EASEMENT

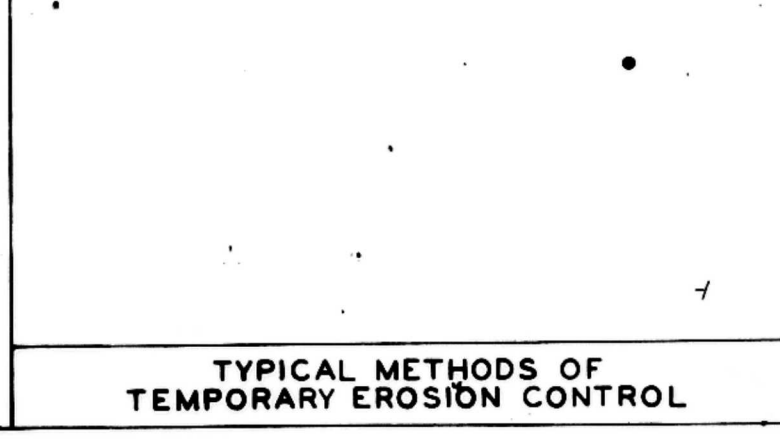
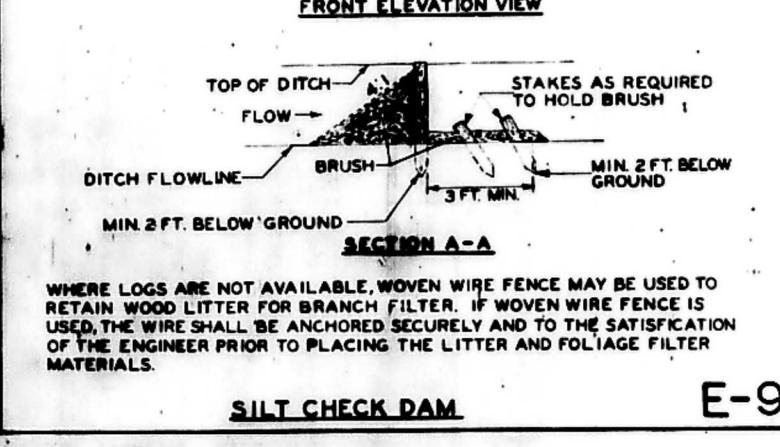
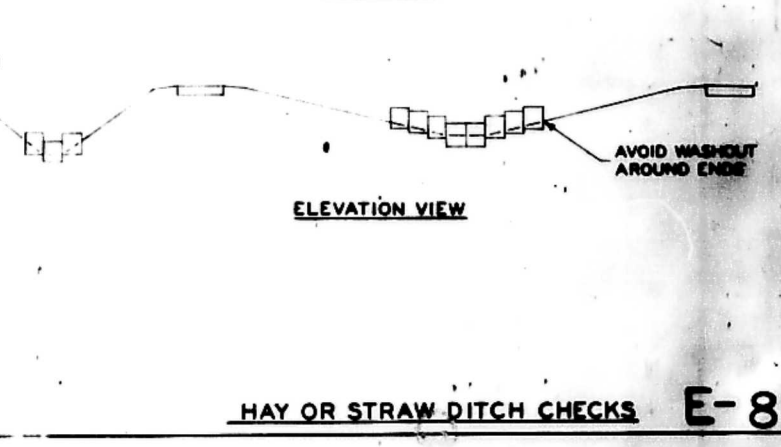
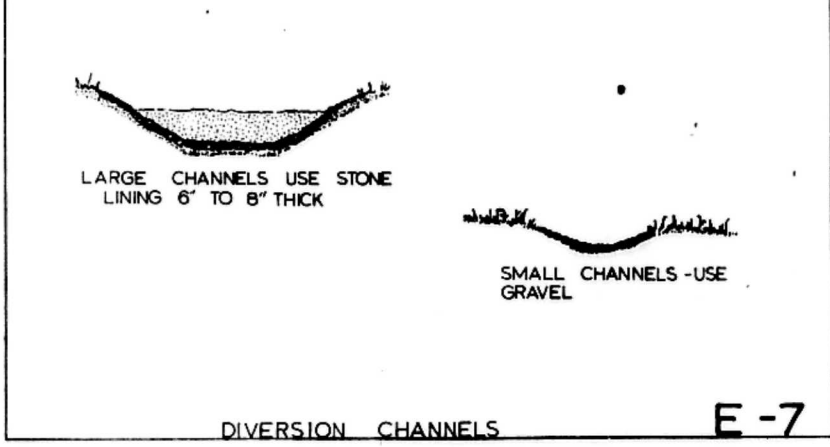
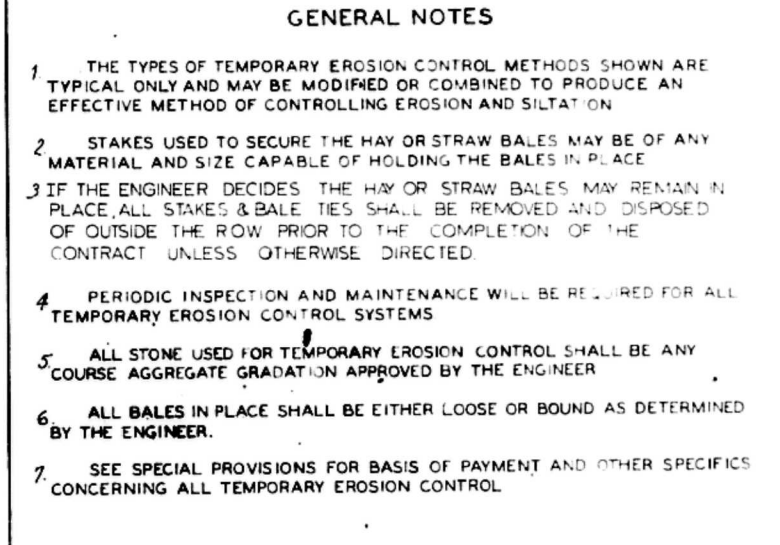
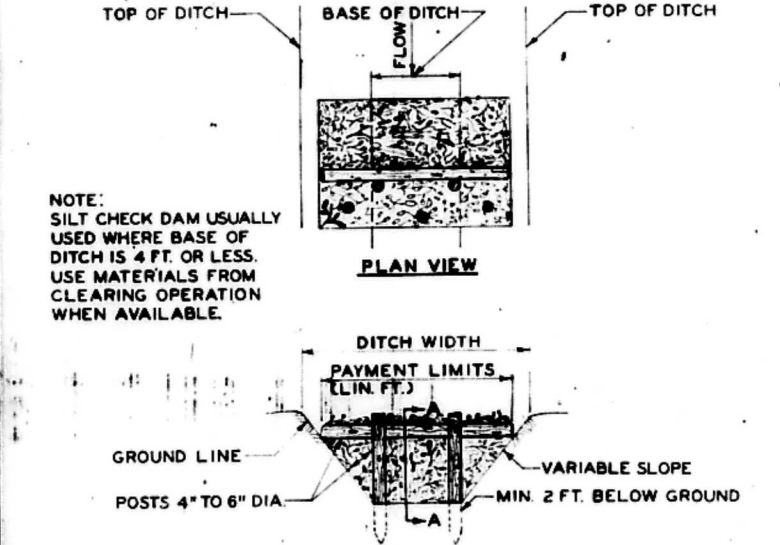
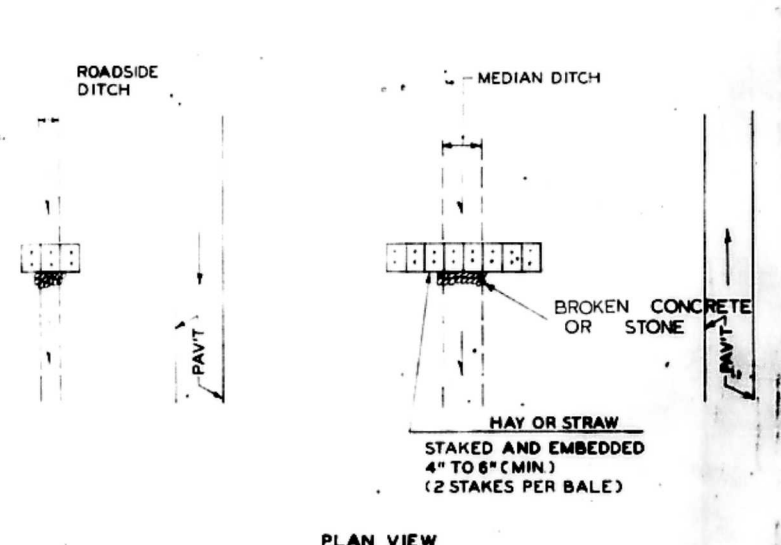
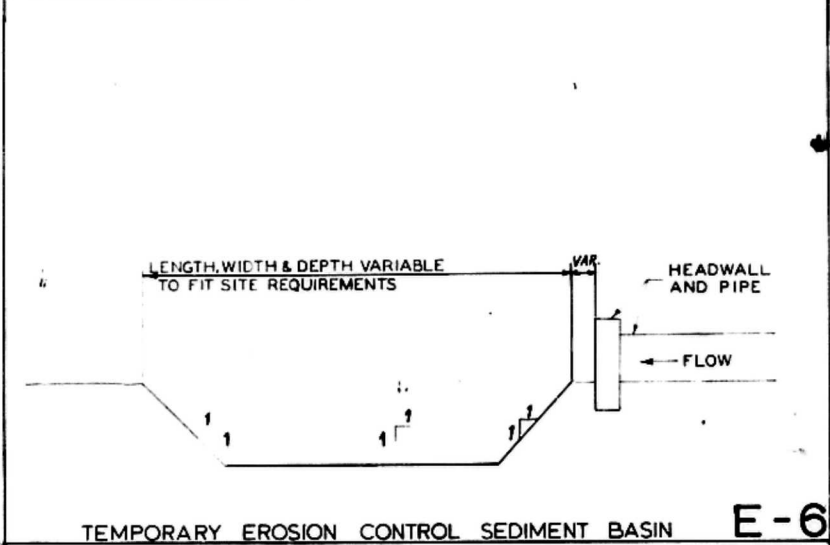
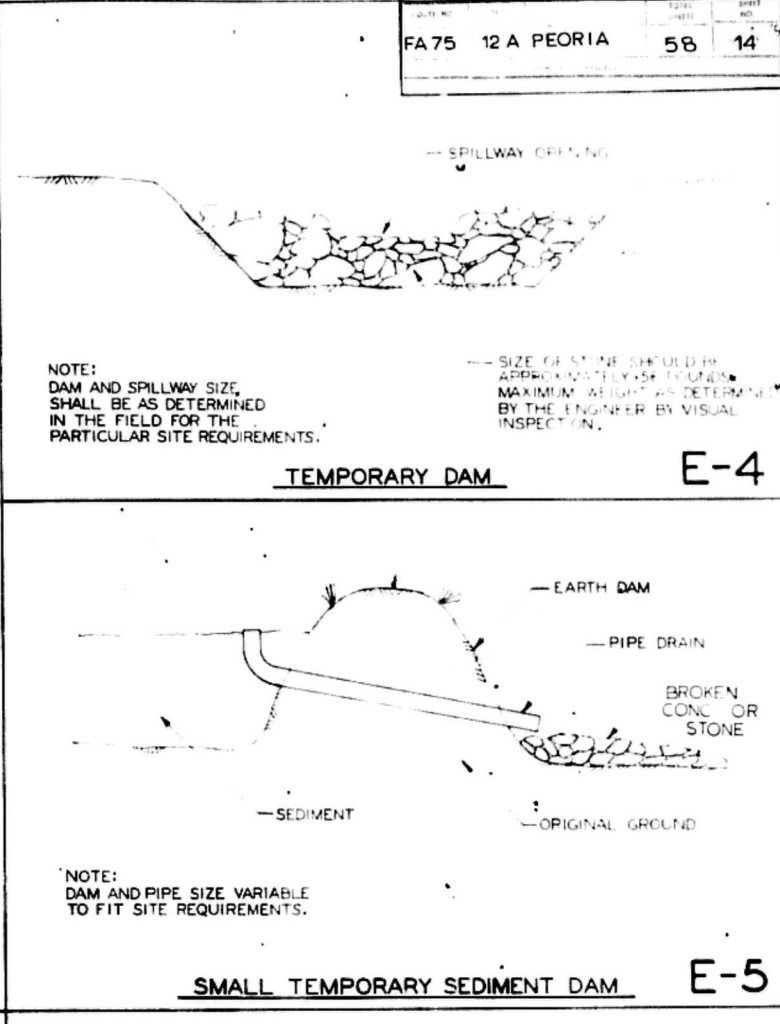
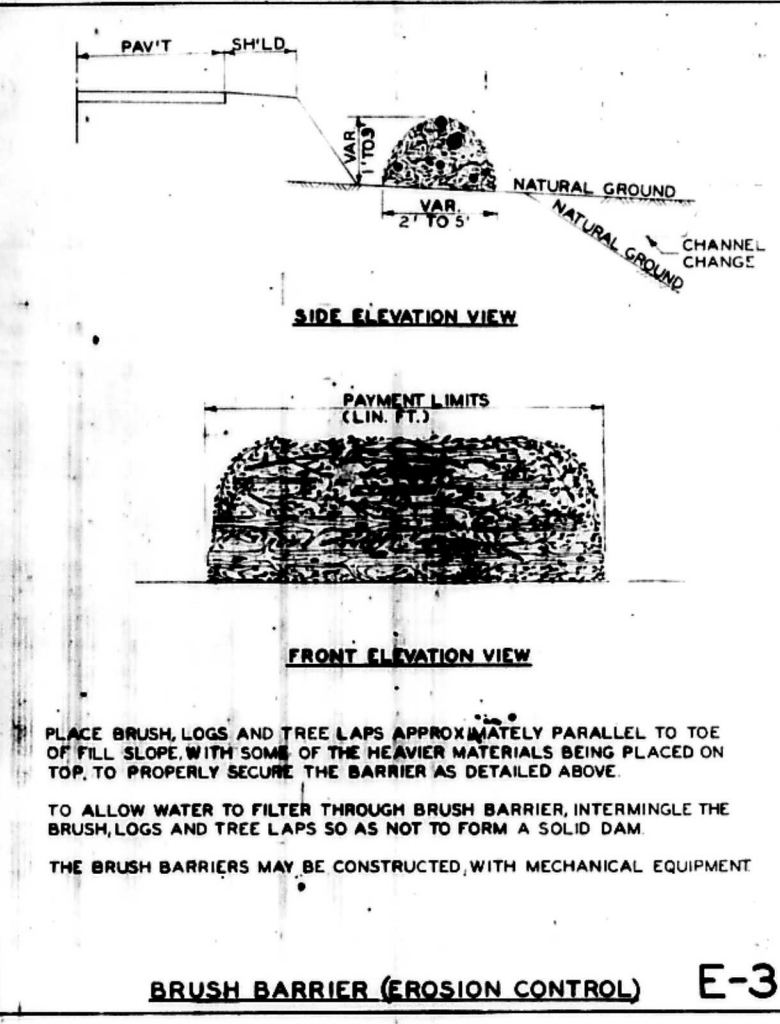
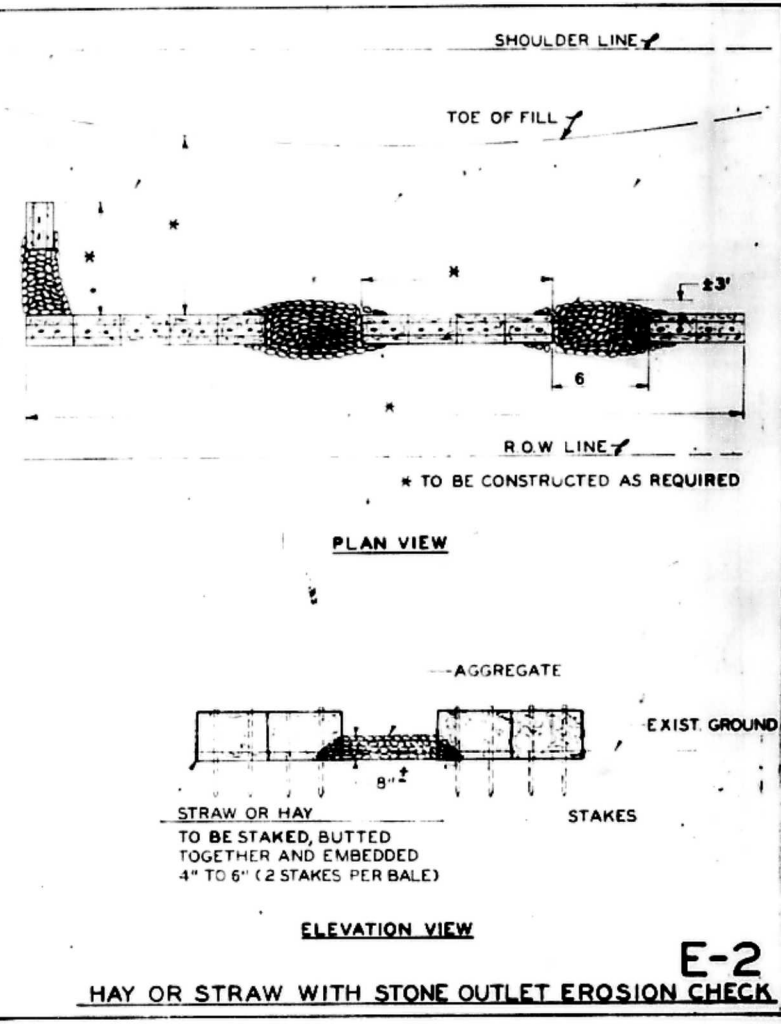
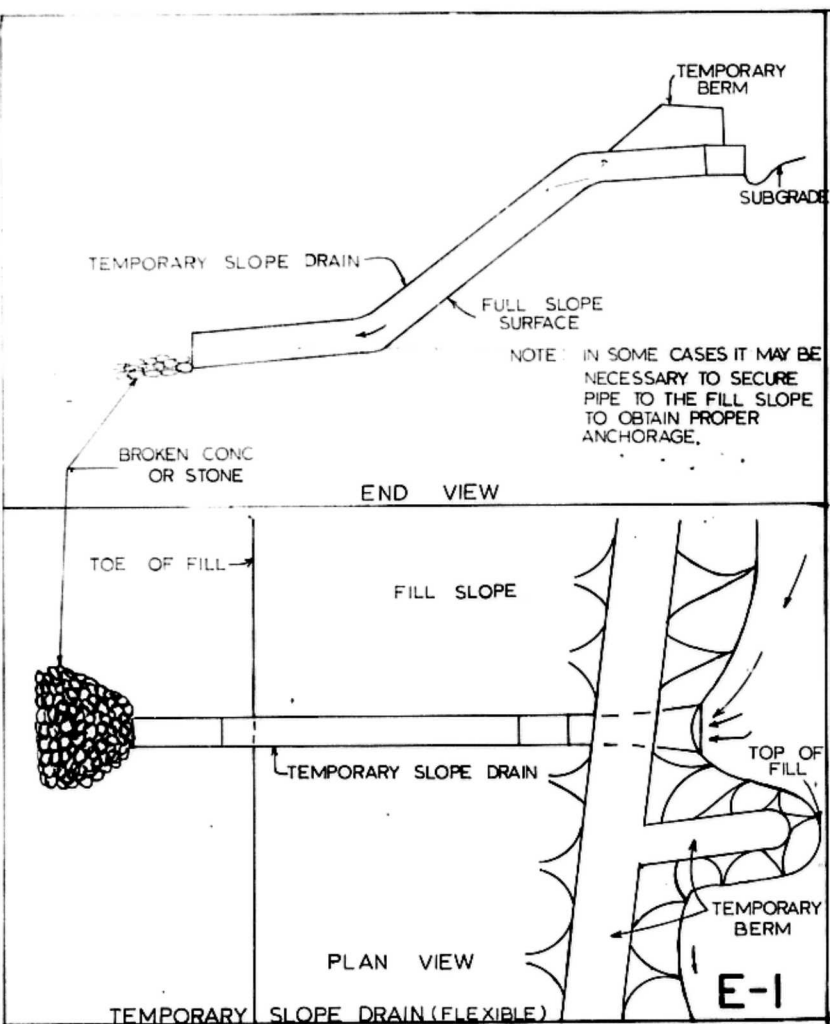


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST APPROACH AND
ABUTMENT GRADING PLAN
BASED ON GRANULAR EMB, ALTERNATE

THE ENGINEERS COLLABORATIVE
CHICAGO ILLINOIS

SHEET
OF



- GENERAL NOTES**
1. THE TYPES OF TEMPORARY EROSION CONTROL METHODS SHOWN ARE TYPICAL ONLY AND MAY BE MODIFIED OR COMBINED TO PRODUCE AN EFFECTIVE METHOD OF CONTROLLING EROSION AND SILTATION.
 2. STAKES USED TO SECURE THE HAY OR STRAW BALES MAY BE OF ANY MATERIAL AND SIZE CAPABLE OF HOLDING THE BALES IN PLACE.
 3. IF THE ENGINEER DECIDES THE HAY OR STRAW BALES MAY REMAIN IN PLACE, ALL STAKES & BALE TIES SHALL BE REMOVED AND DISPOSED OF OUTSIDE THE ROW PRIOR TO THE COMPLETION OF THE CONTRACT UNLESS OTHERWISE DIRECTED.
 4. PERIODIC INSPECTION AND MAINTENANCE WILL BE REQUIRED FOR ALL TEMPORARY EROSION CONTROL SYSTEMS.
 5. ALL STONE USED FOR TEMPORARY EROSION CONTROL SHALL BE ANY COURSE AGGREGATE GRADATION APPROVED BY THE ENGINEER.
 6. ALL BALES IN PLACE SHALL BE EITHER LOOSE OR BOUND AS DETERMINED BY THE ENGINEER.
 7. SEE SPECIAL PROVISIONS FOR BASIS OF PAYMENT AND OTHER SPECIFICS CONCERNING ALL TEMPORARY EROSION CONTROL.
- TYPICAL METHODS OF TEMPORARY EROSION CONTROL**

Bench Mark Location
Top of NE. Abutment of
Railroad Bridge Over
Illinois River - Elev. 459.24

CURVE DATA

P.I. Sta. 85+41.51
P.C. Sta. 82+60.12
P.T. Sta. 88+21.52
 $\Delta = 9^{\circ}49'28.1''$
 $D = 1^{\circ}45'$
 $M = 3274.04'$
 $T = 281.39'$
 $L = 561.40'$
 $S.E. = .05'/ft.$

WESTBOUND CURVE DATA

P.I. Sta. 105+42.47
P.C. Sta. 104+10.01
P.T. Sta. 106+70.30
 $\Delta = 25^{\circ}36'01''$
 $D = 9^{\circ}49'40''$
 $R = 583.00'$
 $T = 132.46'$
 $L = 260.49'$
 $S.E. = .04'/ft.$

EASTBOUND CURVE DATA

P.I. Sta. 104+189.50
P.C. Sta. 104+10.04
P.T. Sta. 109+67.99
 $\Delta = 15^{\circ}31'22''$
 $D = 9^{\circ}49'40''$
 $R = 583.00'$
 $T = 79.46'$
 $L = 157.95'$
 $S.E. = .04'/ft.$

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 75	12B	PEORIA-TAZEWELL	58	16
FED. ROAD DIV. NO.	ILLINOIS	PROJECT		

W.B. Sta. 103+79.01
Struct. Sta. 103+25.00
E.B. Sta. 103+25.04
E.W.B. El. 498.00
E. Struct. El. 498.89
E.E.B. El. 498.00

Bk. E. Abut.
Sta. 104+89.01
P.G. Elev. 490.13
Name Plate
E.W.B.
E.E.B.
Bk. E. Abut.
Sta. 104+89.04
P.G. Elev. 490.13

Existing P. & U. R.R.
Siding Span

Peoria Terminal Railroad Bridge

P. & U. R.R.
C.R. I. & P. R.R.

PLAN
Scale: 1"=100'-0"

Bridge Omission 78+55.5 - 104+88.5

1320' Main River Spans

219'-0" East Approach

1095'-0" West Approach

4 Spans @ 219'-0" = 876'-0"

Approach
Slab
by others

Dimensions
along & Rdwy.

Subgrade
Elev.
Const.
Slope

Embankment
backfill by
Bridge Contr.
after Abut.
is in place

Approach
Slab
by others

Embankment
backfill by
Bridge Contr.
after Abut.
is in place

Subgrade
Elev.
Const.
Slope

Embankment
backfill by
Bridge Contr.
after Abut.
is in place

2-1/4" x 3/4" Anchor Bolts
by Bridge Contractor for
Guardrail (Typ.) Metal
Guardrail and Post by
others

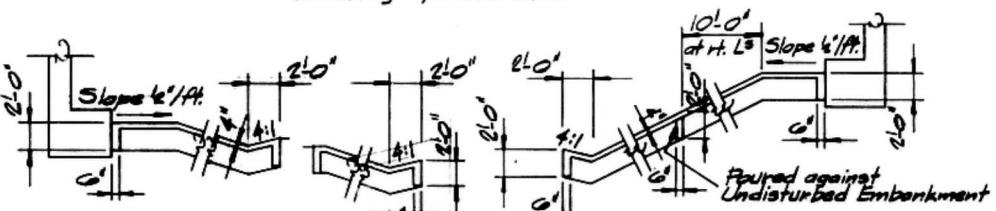
Exp. El. 410.00
Exp. El. 412.00
Exp. El. 431.00
Exp. El. 438.00
Exp. El. 442.00
Exp. El. 510.70

Est. L. 109' Steel H
Est. L. 104' Steel H
Est. L. 65' Cast-in-Place
Est. L. 69' Cast-in-Place
Est. L. 75' Cast-in-Place
Est. L. 106' Steel H

** Hydraulic Fill Slope 3:1
Cohesive Fill Slope 2:1

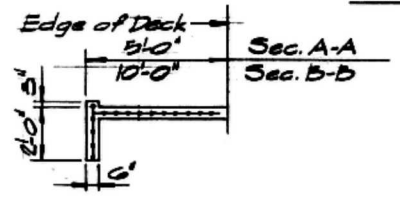
NAME PLATE
(See Std. 2113)

STATION 96+30
BUILT BY
STATE OF ILLINOIS
S.B.I. AT. SEC. 12B
F.A. PROJ. U-156(19)
LOADING H320



SECTION THRU WEST SLOPEWALL

SECTION THRU EAST SLOPEWALL



SEC. A-A & B-B

West Rail	East Rail
460.75	460.75
460.57	460.57
460.45	460.45
459.90	459.90
459.45	459.45
459.00	459.00
458.75	458.75
458.45	458.45
458.07	458.07
457.50	457.50

1400 0+75 0+100 0+125 0+150 0+175 1400 North South

PROFILE - P. & U. RAILROAD

West Rail	East Rail
460.95	460.95
460.75	460.75
460.57	460.57
460.45	460.45
459.90	459.90
459.45	459.45
459.00	459.00
458.75	458.75
458.45	458.45
458.07	458.07
457.50	457.50

1400 0+75 0+100 0+125 0+150 0+175 1400 North South

PROFILE - C.R. I. & P. RAILROAD

DESIGN LOADS

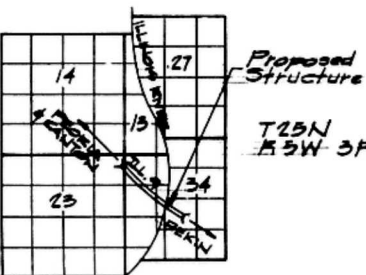
Live Load H320-44
Future W.S. = 25 psf

DESIGN STRESSES

$f_c = 1200$ psi (Deck Slab)
 $f_c = 1400$ psi (Curb, Parapet, Median)
 $f_s = 20,000$ psi (Reinforcement - Superstructure)
 $f_y = 60,000$ psi (Reinforcement - Substructure; Load Factor Design)
 $f_s = 27,000$ psi (Structural Steel N-222 - Unpainted)
 $f_c = 3500$ psi (Substructure)

Waterway Information

Drainage Area 14,000 sq. mi.
Q (100) 87,000 cfs + TTN
Opening (Prop'd.) 22,300 sq. ft.
Opening (Prop'd.) 27,570 sq. ft. *
Q (50) 78,000 cfs +
* Controlled by other than hydraulic considerations.
+ below H/W Elev. 455.2



LOCATION PLAN

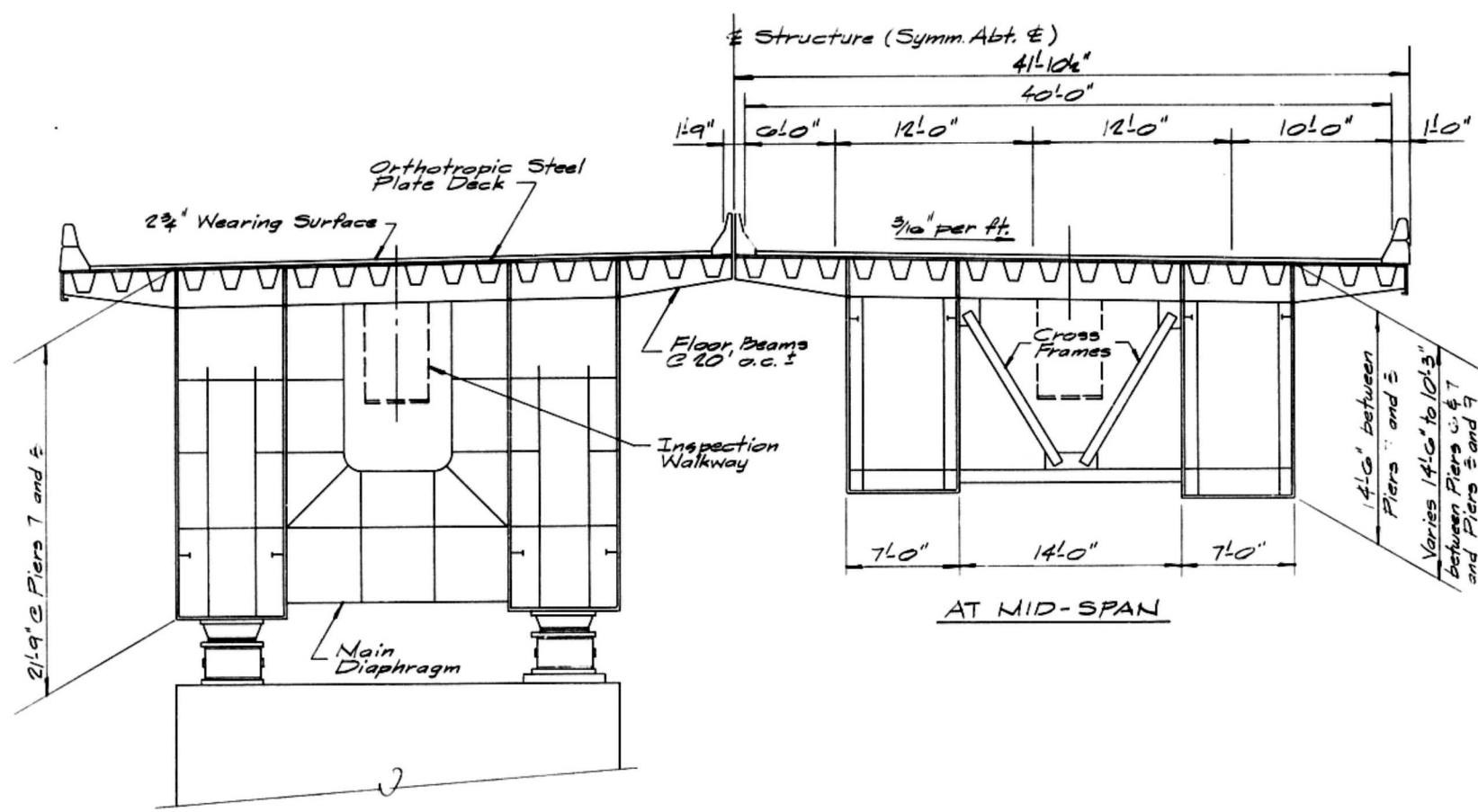
APPROVED
FOR STRUCTURAL FREQUENCY ONLY



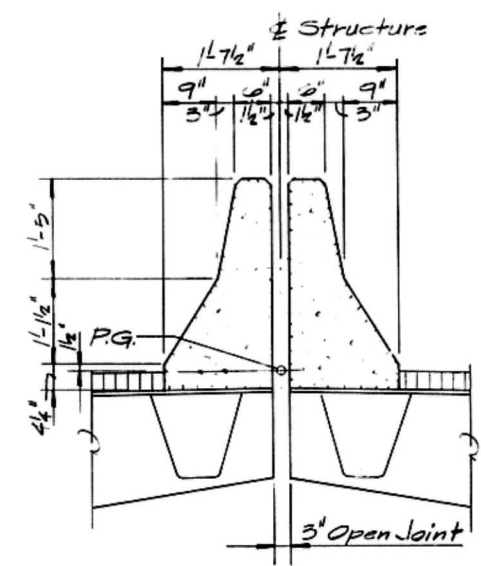
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
GENERAL PLAN & ELEVATION
PROJECT: U-156(19)
ILL. 9 over ILLINOIS RIVER
F.A.P. 75 SECTION 12B
PEORIA-TAZEWELL COUNTIES
STA. 96+30

THE ENGINEERS COLLABORATIVE
CHICAGO ILLINOIS
SHEET
1 OF 17

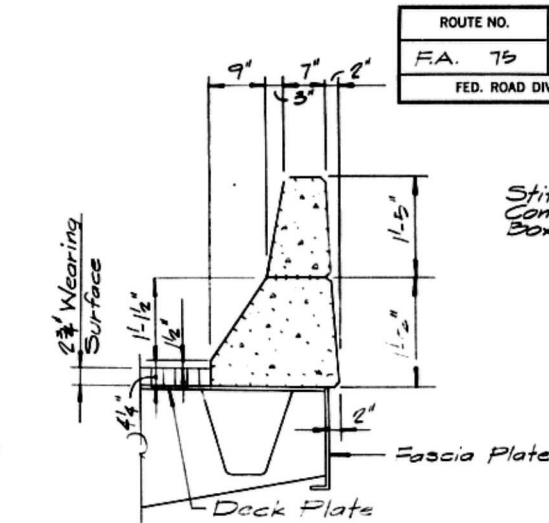
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 75	12B-1	PEORIA-TAZEWELL	58	16
FED. ROAD DIV. NO.	ILLINOIS	PROJECT		



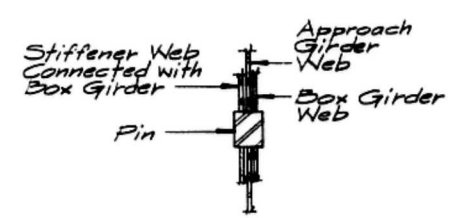
AT PIERS
TYPICAL SECTION THRU MAIN RIVER SPANS



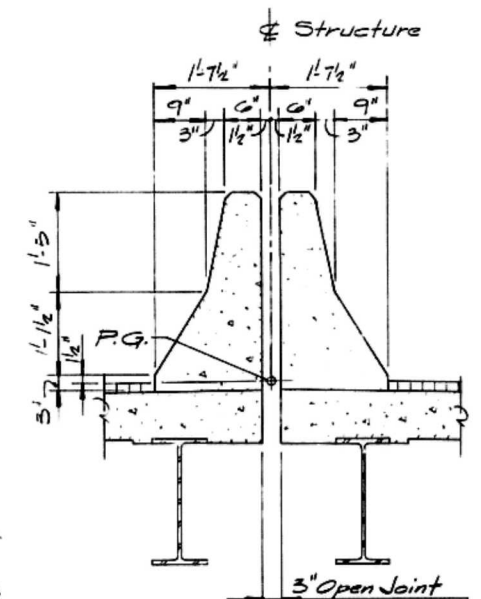
TYPICAL MEDIAN
DETAIL



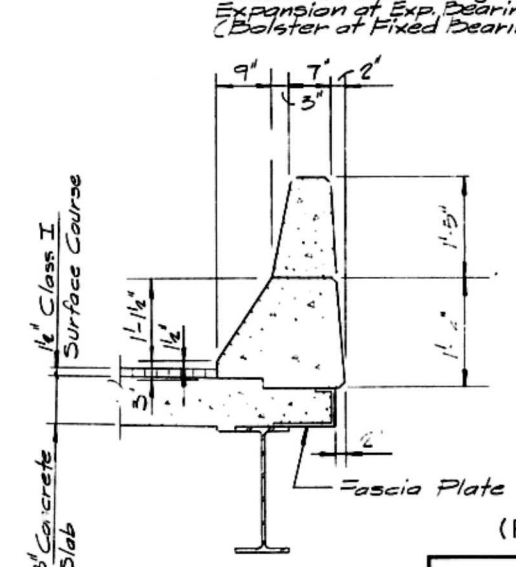
TYPICAL CURB
DETAIL



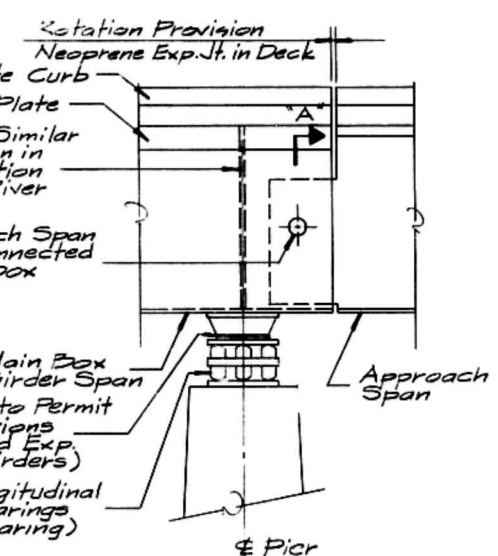
SECTION "A"
Scale: 3/8" = 1'-0"



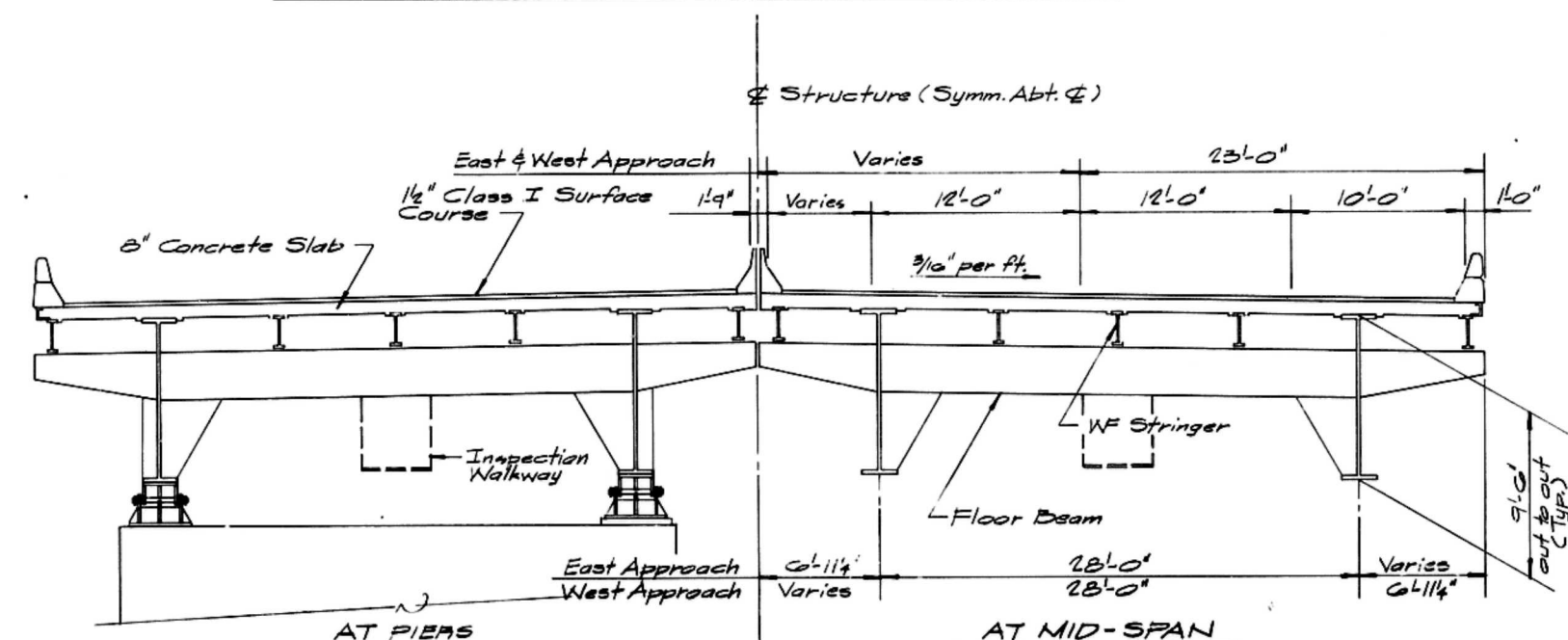
TYPICAL MEDIAN
DETAIL



TYPICAL CURB
DETAIL



TYPICAL DETAIL
AT PIERS 6 & 9



AT PIERS
TYPICAL SECTION THRU APPROACH SPANS

(FOR INFORMATION ONLY)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
SUPERSTRUCTURE DETAILS

ILL. 9 over ILLINOIS RIVER
F.A. 75 SECTION 12B-1
PEORIA-TAZEWELL COUNTIES
STA. 96+20

THE ENGINEERS COLLABORATIVE
CHICAGO ILLINOIS

SHEET
2 OF 17

GENERAL NOTES

1. THE EMBANKMENT CONFIGURATION SHOWN SHALL BE THE MINIMUM EMBANKMENT THAT MUST BE CONSTRUCTED PRIOR TO CONSTRUCTION OF THE ABUTMENTS.
2. LAYOUT OF SLOPEWALLS MAY BE VARIED IN THE FIELD TO SUIT GROUND CONDITIONS AS DIRECTED BY THE ENGINEER.
3. SLOPEWALLS SHALL BE REINFORCED WITH WELDED WIRE FABRIC 6" x 6" MESH, WEIGHING 50# PER 100 SQ. FT.
4. THE CONTRACTOR SHALL DRIVE ONE TEST PILE AT EACH PIER AND EACH ABUTMENT IN A PERMANENT LOCATION, AS DIRECTED BY THE ENGINEER BEFORE ORDERING THE REMAINDER OF PILES.
5. ALL PIERS SHALL BE CONSTRUCTED OF MONOLITHICALLY PLACED CONCRETE, WITHOUT CONSTRUCTION JOINTS, FULL HEIGHT FROM TOP OF FOOTING.
6. ALL REINFORCING BARS SHALL BE NEW BILLET STEEL BARS CONFORMING TO AASHTO M31 GRADE 60 ($F_y = 60,000$ psi).
7. ALL REINFORCING BARS #11 OR SMALLER SHALL BE LAPPED MINIMUM AS SHOWN IN TABLE A, UNLESS NOTED OTHERWISE.
8. ALL EDGES SHALL HAVE STANDARD 3/4" CHAMFERS EXCEPT AS NOTED.

TABLE A		
Lap Dimension		
Bar Size *	Lap Dimension	
	Vert. Bars	Horiz. Bars
#4	15"	21"
#5	20"	27"
#6	25"	35"
#7	34"	48"
#8	44"	62"
#9	55"	83"
#10	71"	99"
#11	87"	122"

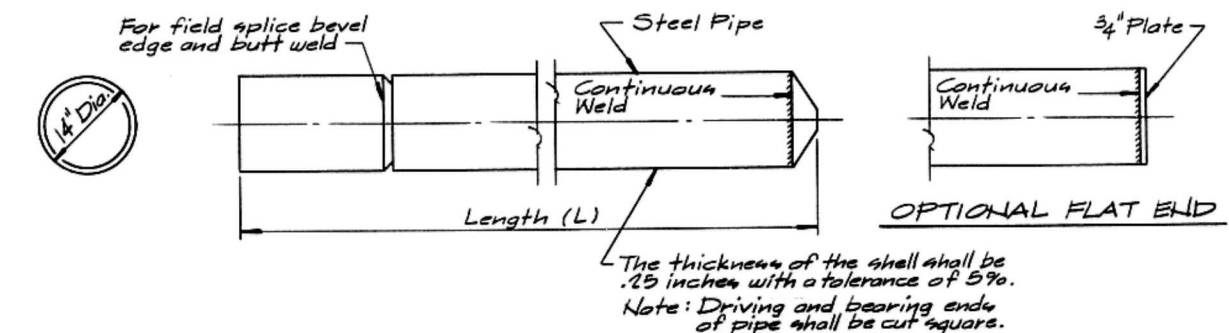
* Lap Dimension For Two Different Bar Sizes Shall Be Based On The Larger Bar

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA 75	12B-1	PEORIA-TAZEWELL	58	17
FED. ROAD DIV. NO.		ILLINOIS	PROJECT	

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Structure Excavation	Cu.Yd.	—	2369	2369
Class X Concrete	Cu.Yd.	—	4175.6	4175.6
Reinforcement Bars	Lbs.	—	470000	470000
Furnishing Metal Pile Shells 14"	Lin.Ft.	—	25413	25413
Furnishing Steel H Piles HP14x117	Lin.Ft.	—	14272	14272
Driving and Filling Shells	Lin.Ft.	—	25413	25413
Driving Steel Piles	Lin.Ft.	—	14272	14272
Test Piles Metal Shells	Each	—	3	3
Test Piles HP14x117	Each	—	3	3
Slopedwall (4inch)	Sq.Yds.	—	328	328 *

* East Abutment Only



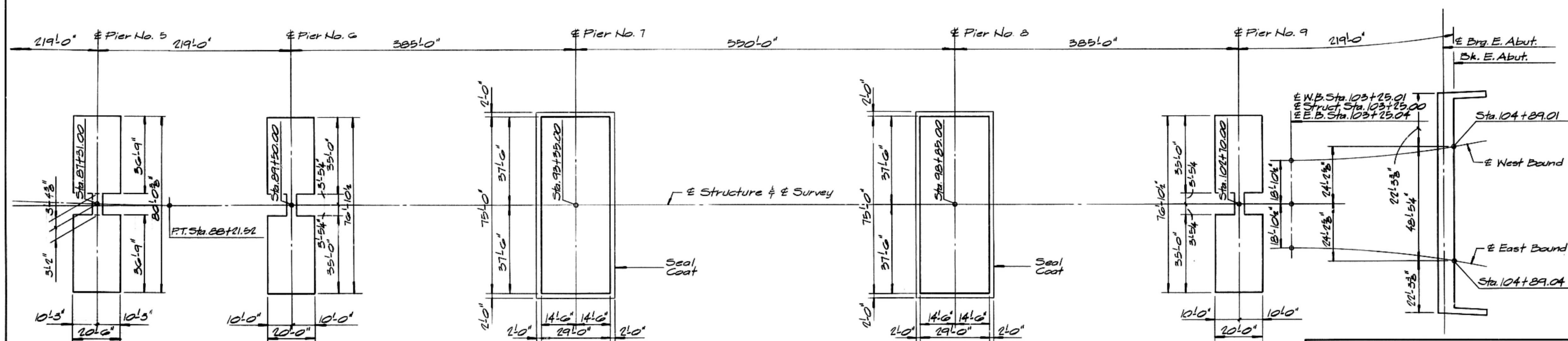
DETAIL OF CYLINDER STEEL SHELL FOR CAST IN PLACE CONCRETE PILES

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION GENERAL NOTES AND TOTAL BILL OF MATERIAL

ILL. 9 over ILLINOIS RIVER
F.A. 75 SECTION 12B-1
PEORIA-TAZEWELL COUNTIES
STA. 96+50

THE ENGINEERS COLLABORATIVE
CHICAGO ILLINOIS

SHEET
3 OF 17



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
FOOTING LOCATION

ILL. 9 over ILLINOIS RIVER
F.A. 75 SECTION 12B-1
PEORIA-TAZEWELL COUNTIES
STA. 96+50

THE ENGINEERS COLLABORATIVE
CHICAGO ILLINOIS

SHEET
4 OF 17

[illegible]

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
H101	27	#5	44'-6"	—
H102	27	#5	47'-3"	—
H103	54	#5	7'-6"	┘
H104	72	#4	24'-6"	—
N01	100	#7	10'-9"	—
N02	50	#6	8'-2"	—
P01	31	#11	43'-6"	—
P02	31	#11	61'-5"	—
P03	5	#4	13'-0"	—
P04	5	#4	19'-9"	—
P05	20	#7	26'-4"	—
S01	90	#5	19'-5"	□
S02	90	#5	11'-5"	□
S03	64	#5	14'-7"	□
U01	8	#6	11'-6"	┘
U02	32	#4	8'-6"	┘
V01	90	#6	13'-2"	—
V02	90	#4	14'-1"	—
V03	90	#5	3'-4"	┘
V04	48	#5	2'-6"	—
V05	50	#6	14'-2"	—
V06	50	#6	4'-2"	┘

Class X Concrete	Cu.Yds.	189
Reinforcement Bars	Lbs.	348
Steel H Piles	Lin.Ft.	39
Test Piles	Each	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
WEST ABUTMENT

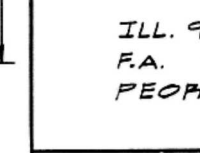
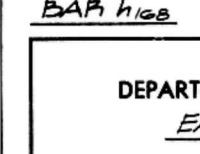
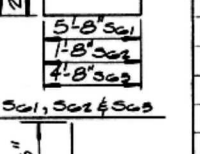
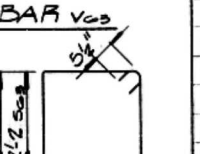
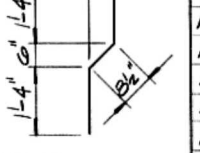
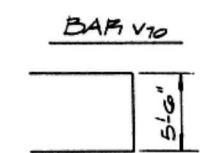
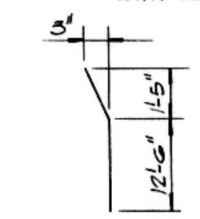
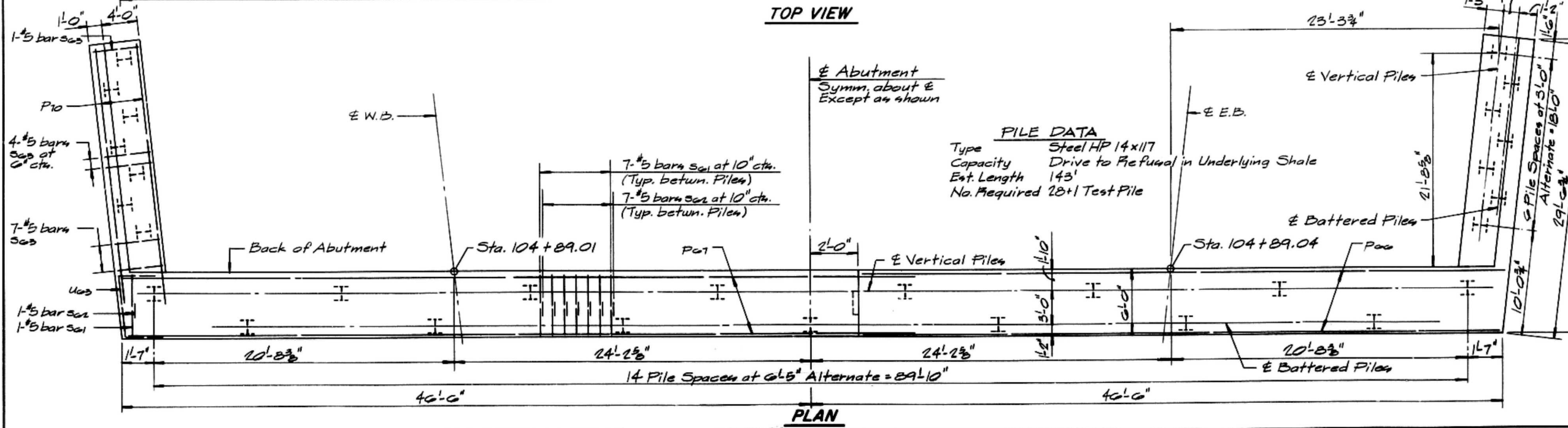
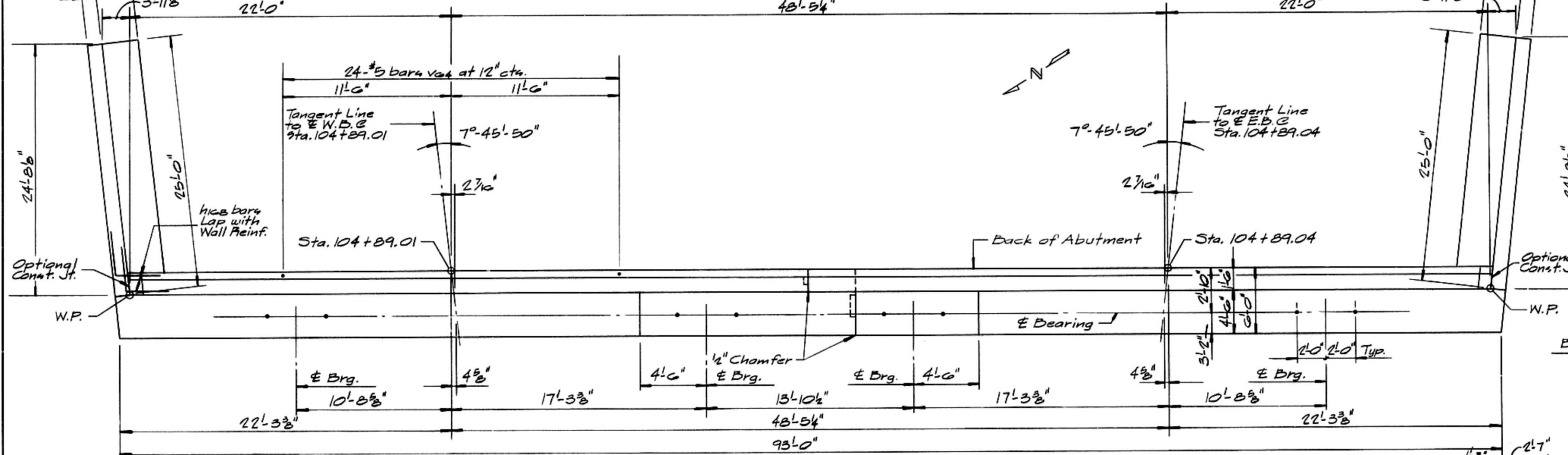
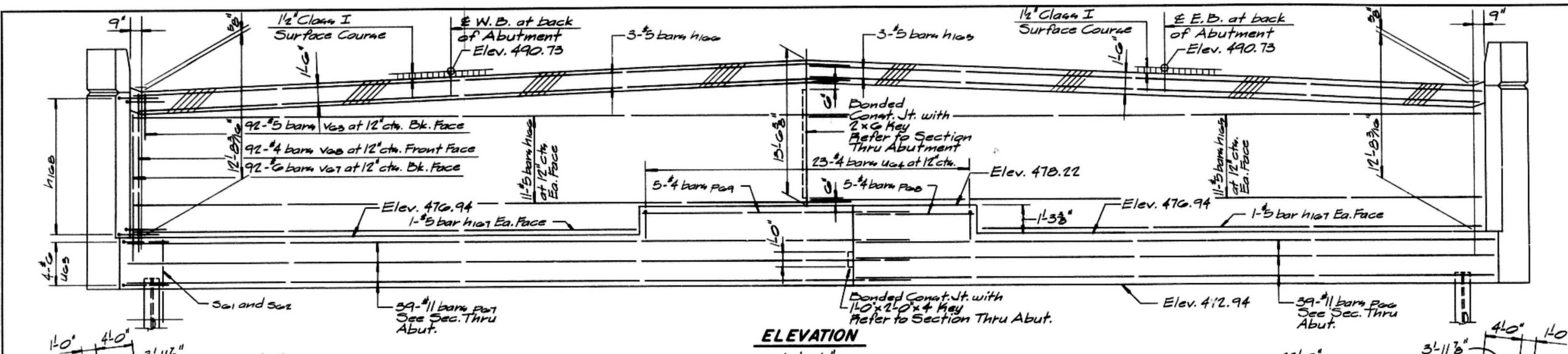
ILL. 9 over ILLINOIS RIVER
F.A. 75 SECTION MB-1
PEORIA-TAZEVELL COUNTIES
STA. 96+50



SHEET
6 OF 17

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 75	12B-1	PEORIA-TAZEWELL	58	21
FED. ROAD DIV. NO.		ILLINOIS	PROJECT	

Notes: Space reinforcement in cap to miss anchor bolts.
Four steps monolithically with cap.



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h105	25	#5	45.9'	—
h106	25	#5	48.6'	—
h107	4	#5	34.3'	—
h108	54	#5	8.0'	—
h109	72	#4	24.6'	—
h110	100	#7	10.9'	—
h111	50	#6	6.2'	—
h112	39	#11	44.0'	—
h113	39	#11	62.0'	—
h114	5	#4	8.11'	—
h115	5	#4	15.4'	—
h116	20	#7	26.4'	—
h117	100	#5	19.5'	□
h118	100	#5	11.5'	□
h119	64	#5	14.7'	□
h120	8	#6	12.42'	□
h121	23	#4	10.0'	□
h122	92	#5	3.44'	—
h123	48	#5	2.6'	—
h124	92	#6	14.10'	—
h125	92	#4	15.7'	—
h126	50	#6	13.11'	—
h127	50	#6	13.11'	—
Class X Concrete				Cu.Yds. 192.3
Reinforcement Bars				Lbs. 40210
Steel H Piles				Lin.Ft. 4004
Test Piles				Each 1

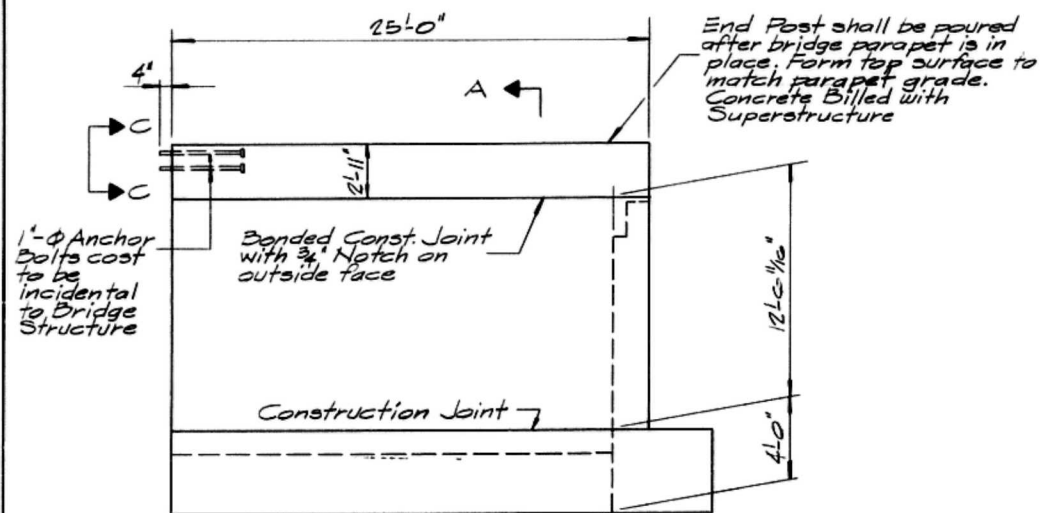
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION EAST ABUTMENT

ILL. 9 over ILLINOIS RIVER
F.A. 75 SECTION 12B-1
PEORIA-TAZEWELL COUNTIES
STA. 96+50

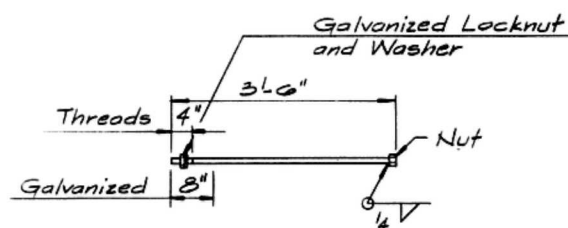
THE ENGINEERS COLLABORATIVE
CHICAGO ILLINOIS

SHEET
7 of 17

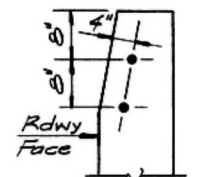
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 75	12B-1	PEORIA-TAZEWELL	58	22
FED. ROAD DIV. NO.	ILLINOIS	PROJECT		



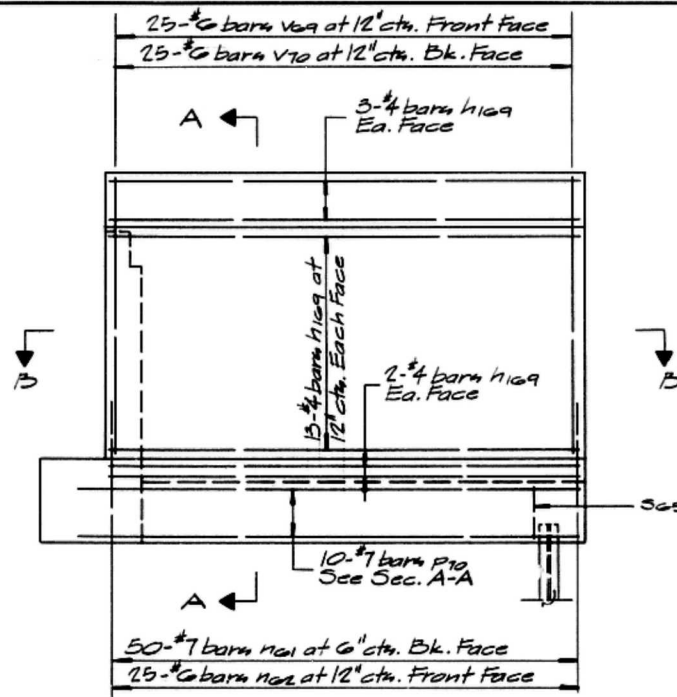
WING WALL ELEVATION



1'-0" ANCHOR BOLT

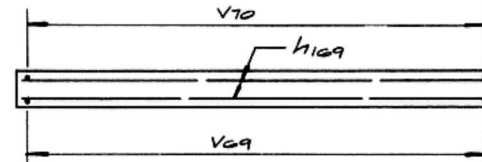


VIEW C-C

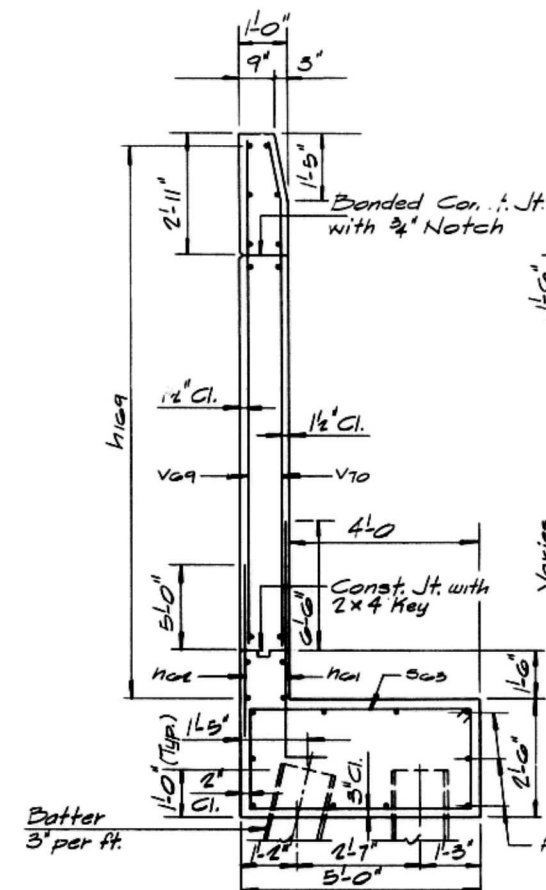


WING WALL ELEVATION

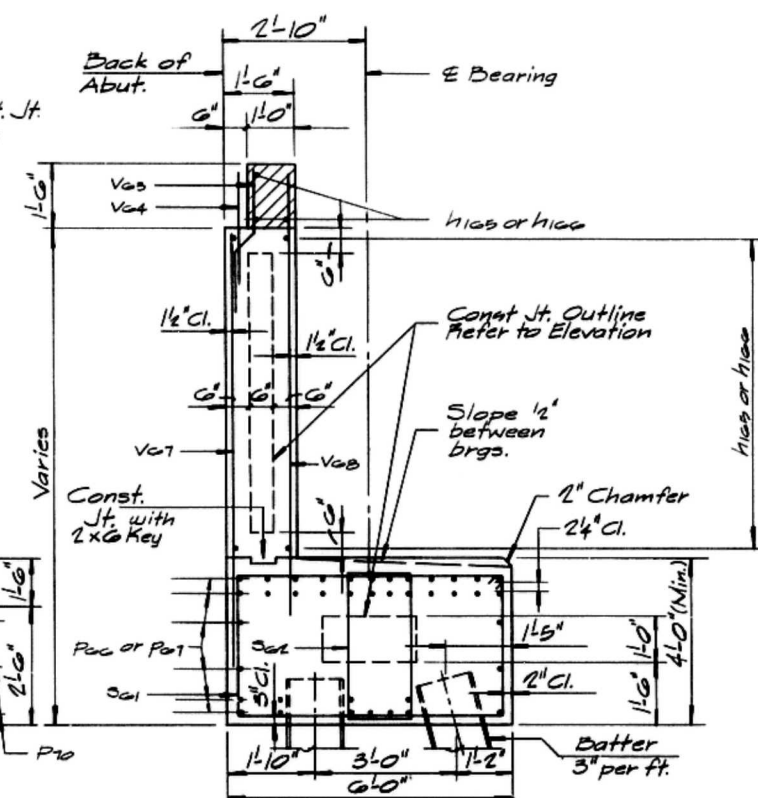
Reinforcement



SECTION B-B

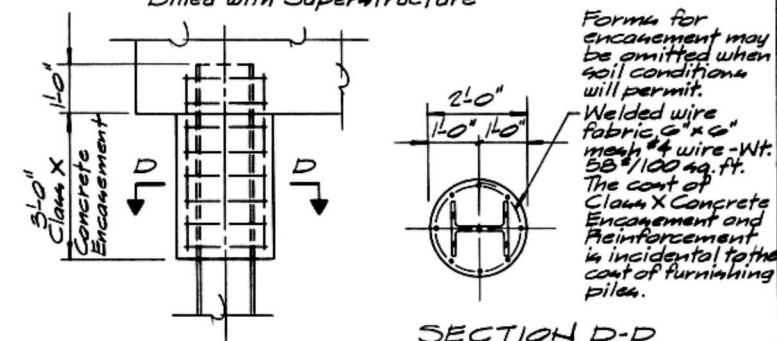


SECTION A-A



SECTION THRU ABUTMENT

Note: The Hatched portion shall be poured after the Superstructure is in place. Concrete Billed with Superstructure



SECTION D-D

DETAIL OF CONCRETE ENGAGEMENT FOR STEEL H PILES AT ABUTMENT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
EAST ABUTMENT

ILL. 9 over ILLINOIS RIVER
F.A. 75 SECTION 12B-1
PEORIA-TAZEWELL COUNTIES
STA. 96+50

THE ENGINEERS COLLABORATIVE
CHICAGO ILLINOIS

SHEET
8 OF 17

PILE DATA
 Type Steel HP 14x117
 Drive to Refusal in Underlying Shale
 Est. Length 104'
 No. Req'd. 61 + 1 Test Pile

± Bearing and ± Pier

Note: Space Reinforcement
 at Bridge Seat to
 min. Anchor Bolts

Pier 2
 Sta. 80+74
 P.G. Elev. 488.63

See Tabular
 Dimensions

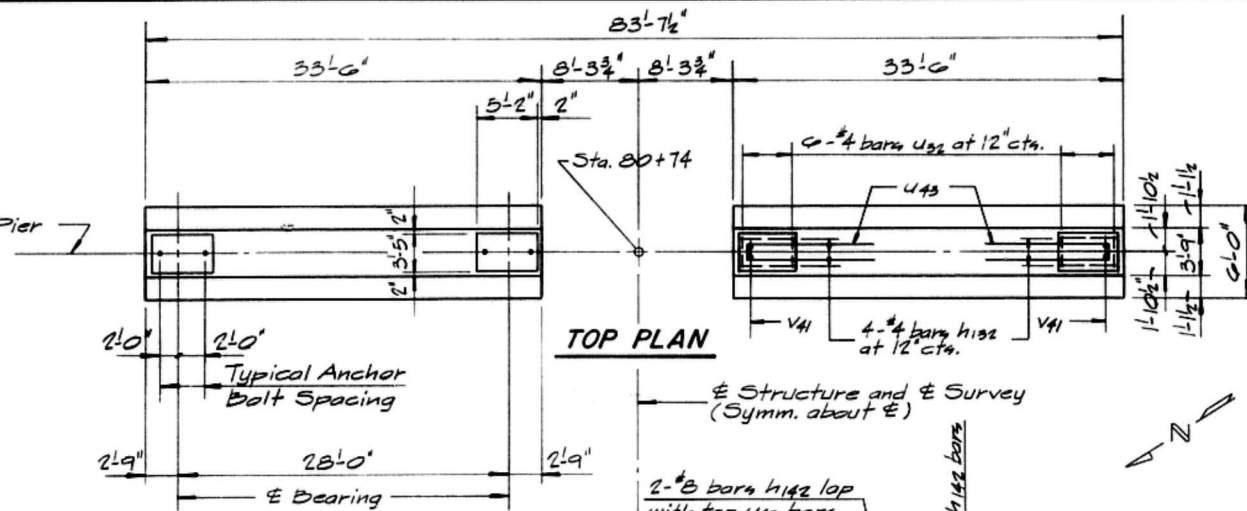
Parabolic Taper

Slope n bars to Lap
 with v bars

END VIEW

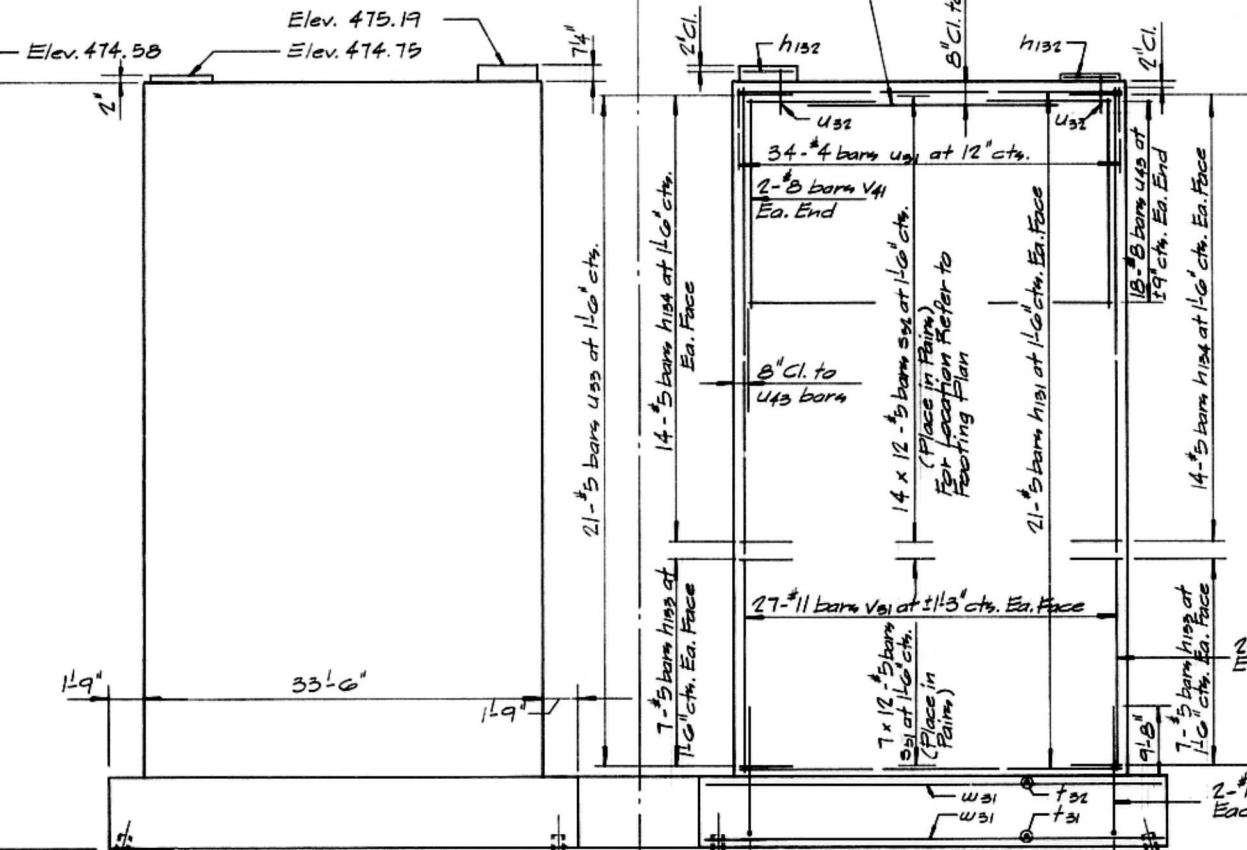
± Denotes Battered Pile
 (2" Horizontal to 12" Vertical - Typical)

± Footing and
 ± Pier

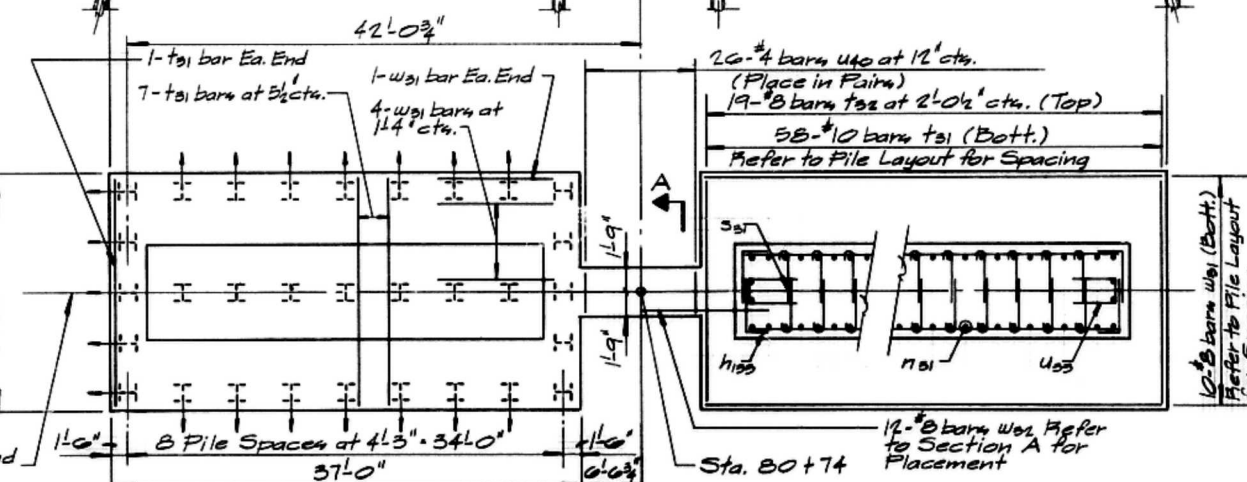


TOP PLAN

± Structure and ± Survey
 (Symm. about ±)



ELEVATION



FOOTING PLAN

TABULAR DIMENSIONS

FOR PIER

Distance in
 Feet From
 Top of Pier (Feet)

Distance in Feet From Top of Pier (Feet)	D (Feet)
0.00	3.75
1.00	3.75
2.00	3.75
3.00	3.77
4.00	3.78
5.00	3.81
6.00	3.83
7.00	3.85
8.00	3.90
9.00	3.94
10.00	3.99
11.00	4.04
12.00	4.09
13.00	4.15
14.00	4.22
15.00	4.29
16.00	4.36
17.00	4.44
18.00	4.52
19.00	4.61
20.00	4.71
21.00	4.81
22.00	4.91
23.00	5.02
24.00	5.13
25.00	5.25
26.00	5.37
27.00	5.50
28.00	5.63
29.00	5.77
30.00	5.91
31.00	6.06

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h131	90	#5	33'-0"	
h132	16	#4	4'-10"	
h133	56	#5	6'-5"	
h134	112	#5	5'-10"	
h142	4	#8	23'-10"	
n31	116	#11	14'-9"	C
v31	108	#11	30'-4"	
v32	8	#11	30'-4"	
v41	8	#8	14'-0"	
s31	336	#5	4'-7"	C
s32	672	#5	4'-0"	C
u31	68	#4	6'-5"	
u32	24	#4	6'-11"	
u33	84	#5	7'-9"	
u40	26	#4	8'-0"	
u43	72	#8	22'-9"	
t31	116	#10	14'-0"	
t32	38	#8	14'-0"	
w31	30	#8	36'-0"	
w32	12	#8	24'-8"	
Class X Concrete			Cu.Yds.	513.8
Reinforcing Bars			Lbs.	54980
Steel H Piles			Lin.Ft.	6344
Test Piles			Ea.	1

* Reinforcing bars shall be shop bent
 to conform to the tabular
 pier dimensions shown

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PIER 2

ILL. 9 over ILLINOIS RIVER
 F.A. 75 SECTION 12B-1
 PEORIA-TAZEWELL COUNTIES
 STA. 96+50

THE ENGINEERS COLLABORATIVE
 CHICAGO ILLINOIS

SHEET
 9 OF 17

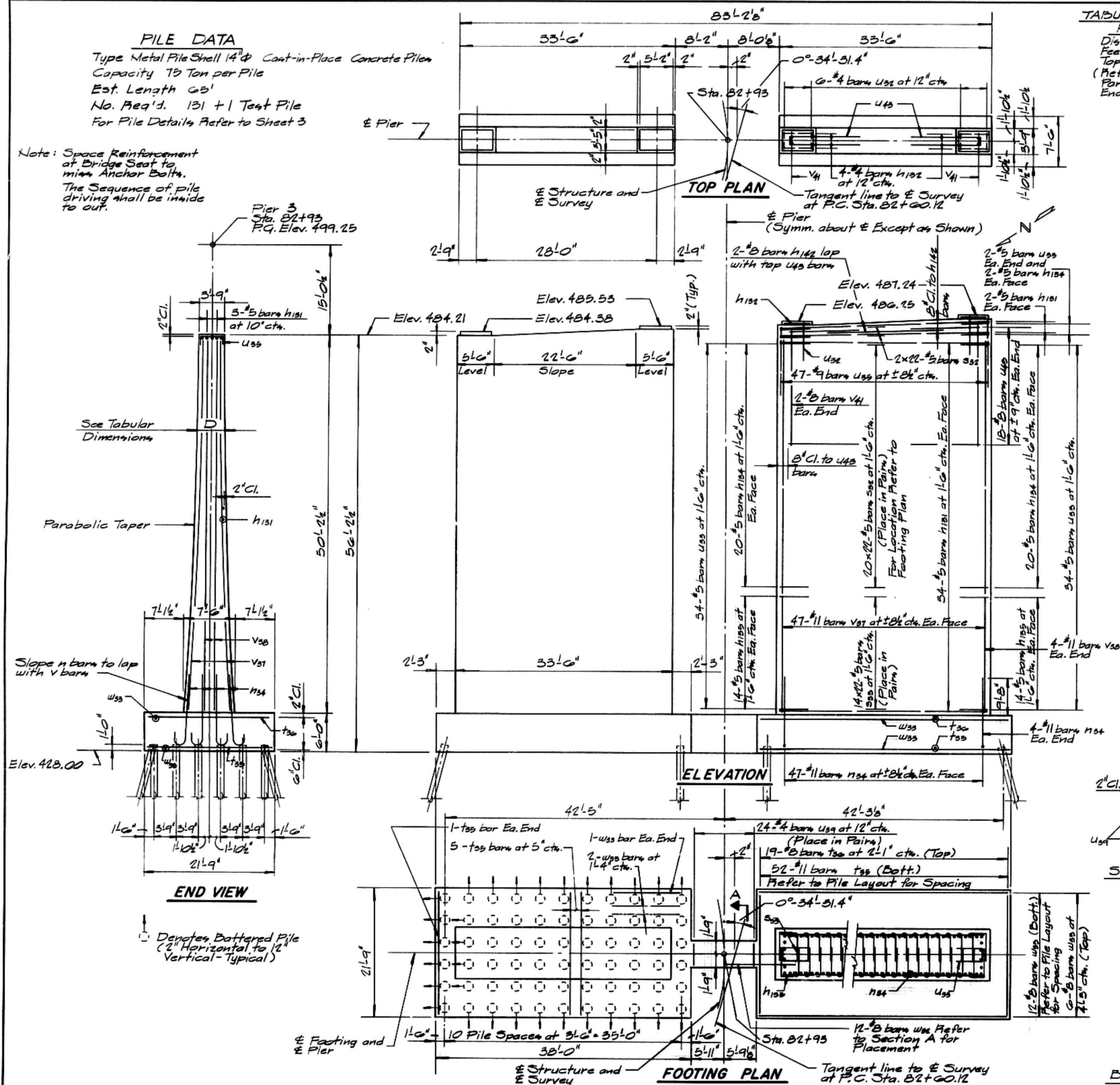


SECTION A

Bars u31, u32, u33, u40, u43 Bars n31, s31 & s32

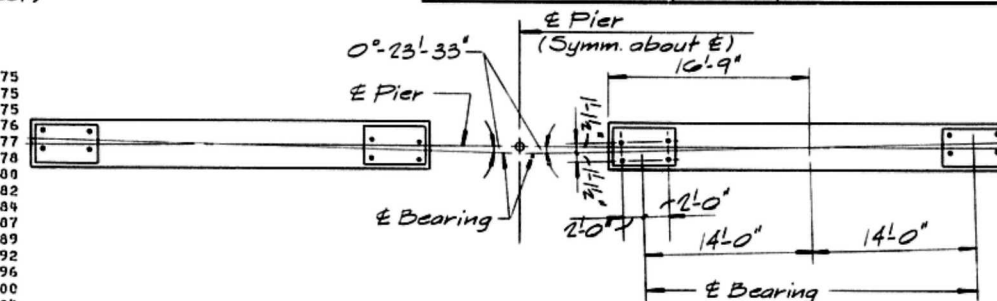
Type Metal Pile Shell 14" ϕ Cast-in-Place Concrete Piles
Capacity 75 Ton per Pile
Est. Length 65'
No. Req'd. 131 + 1 Test Pile
For Pile Details Refer to Sheet 3 \$ Pier —

Note: Space Reinforcement at Bridge Seat to miss Anchor Bolts.
The Sequence of pile driving shall be inside to out.

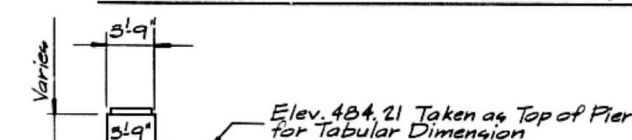


Distance in Feet From Top of Pier (Feet) D
(Refer to Partial End View)

0.00	3.
1.00	3.
2.00	3.
3.00	3.
4.00	3.
5.00	3.
6.00	3.
7.00	3.
8.00	3.
9.00	3.
10.00	3.
11.00	3.
12.00	3.
13.00	4.
14.00	4.
15.00	4.
16.00	4.
17.00	4.
18.00	4.
19.00	4.
20.00	4.
21.00	4.
22.00	4.
23.00	4.
24.00	4.
25.00	4.
26.00	4.
27.00	4.
28.00	4.
29.00	5.
30.00	5.
31.00	5.
32.00	5.
33.00	5.
34.00	5.
35.00	5.
36.00	5.
37.00	5.
38.00	5.
39.00	6.
40.00	6.
41.00	6.
42.00	6.
43.00	6.
44.00	6.
45.00	6.
46.00	7.
47.00	7.
48.00	7.
49.00	7.
50.00	7.
51.00	7.



TYPICAL ANCHOR BOLT LAYOUT



PARTIAL END VIEW

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
H131	150	#5	33'-0"	
H132	16	#4	4'-0"	
H134	176	#5	5'-10"	
H135	112	#5	7'-1"	
H142	4	#8	23'-0"	
H24	204	#11	16'-9"	C
V37	188	#11	50'-0"	(
V38	16	#11	50'-0"	—
V41	8	#8	14'-0"	—
S32	1936	#5	4'-0"	C
S33	1232	#5	5'-3"	C
U32	24	#4	6'-11"	L
U33	144	#5	7'-9"	L
U35	94	#9	20'-5"	L
U39	24	#4	10'-6"	L
U43	72	#8	22'-9"	L
T35	104	#11	21'-3"	—
T36	58	#8	21'-3"	—
W32	12	#8	24'-8"	—
W33	36	#8	37'-6"	—
Class X Concrete			Cu.Yds.	1013.
Reinforcing Bars			Lbs.	12546
Metal Pipe Shells 430			Lin.Ft.	851
Test Piles Metal Shell			Ea.	1

* Reinforcing bars shall be shop bent to conform to the tabular pier dimensions shown

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PIER 3

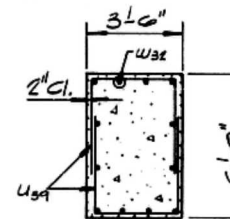
ILL. 9 over ILLINOIS RIVER
F.A. 75 SECTION 12B-1
PEORIA-TAZEWELL COUNTIES
STA. 96+50

THE ENGINEERS COLLABORATIVE
CHICAGO ILLINOIS

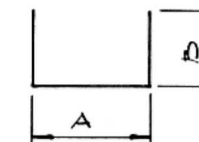
SHEET
10 OF 17



SECTION A



SECTION A

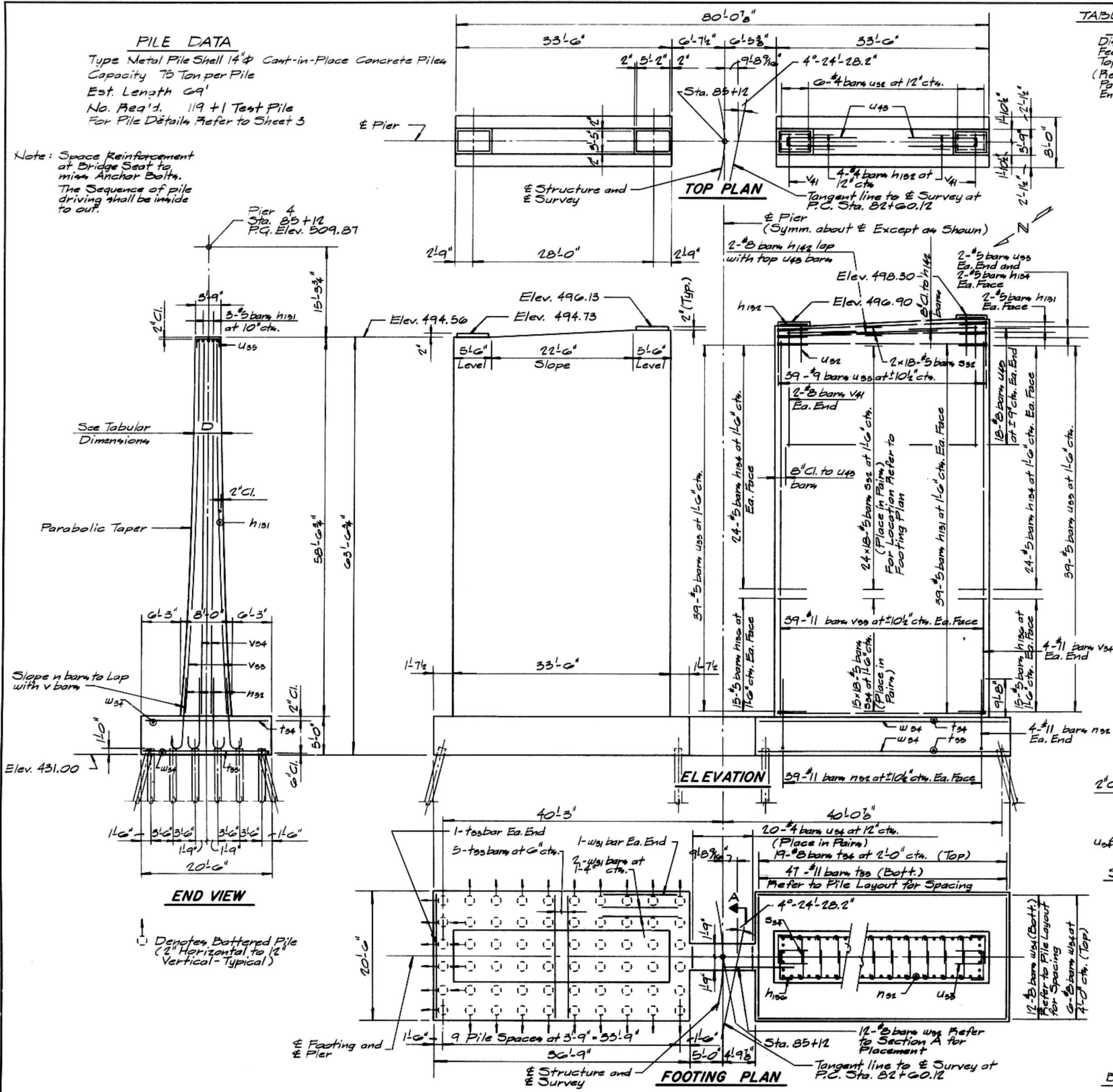


Bars 432, 433, 435, 439 & 443 Bars 434, 532 & 533

FILE DATA

Type Metal Pile Shell 14" Φ Cast-in-Place Concrete Piles
Capacity 75 Ton per Pile
Est. Length 69'
No. Req'd. 119 + 1 Test Pile
For Pile Details Refer to Sheet 3

Note: Space Reinforcement
at Bridge Seat to
min. Anchor Bolts.
The Sequence of pile
driving shall be inside
to out.

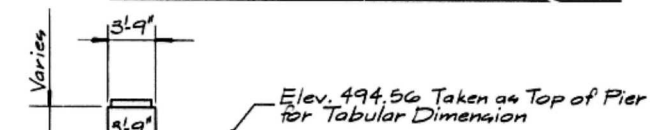


TABULAR DIMENSIONS
FOR PIER

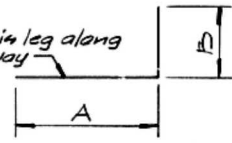
Distance in
Feet From
Top of Pier
(Feet)
(Refer to
Partial
End View)

0.00	3.75
1.00	3.75
2.00	3.75
3.00	3.76
4.00	3.76
5.00	3.78
6.00	3.79
7.00	3.81
8.00	3.82
9.00	3.85
10.00	3.87
11.00	3.89
12.00	3.92
13.00	3.95
14.00	3.99
15.00	4.02
16.00	4.06
17.00	4.10
18.00	4.15
19.00	4.19
20.00	4.24
21.00	4.29
22.00	4.34
23.00	4.40
24.00	4.46
25.00	4.52
26.00	4.58
27.00	4.65
28.00	4.72
29.00	4.79
30.00	4.86
31.00	4.94
32.00	5.01
33.00	5.09
34.00	5.18
35.00	5.26
36.00	5.35
37.00	5.44
38.00	5.53
39.00	5.63
40.00	5.73
41.00	5.83
42.00	5.93
43.00	6.04
44.00	6.14
45.00	6.25
46.00	6.37
47.00	6.48
48.00	6.60
49.00	6.72
50.00	6.84
51.00	6.97
52.00	7.10
53.00	7.23
54.00	7.36
55.00	7.49
56.00	7.63
57.00	7.77
58.00	7.91
59.00	8.06

TYPICAL ANCHOR BOLT LAYOUT

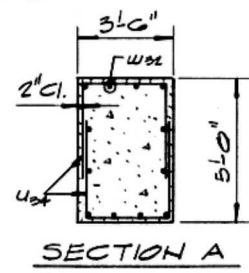


PARTIAL END VIEW

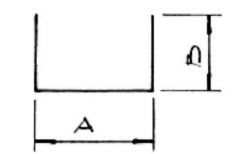


Bar h102 and h100

Bar	A	B
h104	3'-5"	2'-5"
h100	4'-11"	2'-5"
h102	14'-2"	1'-7"
s32	3'-5"	7"
s34	4'-11"	7"
u32	3'-1"	1'-11"
u33	1'-3"	3'-3"
u34	3'-2"	3'-2"
u35	3'-5"	8'-6"
u43	1'-9"	10'-0"



SECTION A



Bars u32, u33, u34, u35 & u43 Bars h102, s32 & s34

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 75	12B-1	PEORIA-TAZEWELL	58	25
FED. ROAD DIV. NO.	ILLINOIS	PROJECT		

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h101	170	#5	33'-0"	—
h102	16	#4	4'-10"	—
h104	208	#5	5'-10"	—
h100	120	#5	7'-4"	—
h142	4	#8	23'-10"	—
h32	172	#11	15'-9"	C
* V33 .156 #11 58'-4"				
V34 16 #11 58'-4"				
V41 8 #8 14'-0"				
s32 1872 #5 4'-0"				C
s34 1080 #5 5'-0"				C
u32 24 #4 6'-11"				—
u33 164 #5 7'-9"				—
u34 20 #4 9'-6"				—
u35 78 #9 10'-5"				—
u43 72 #8 22'-9"				—
t33 94 #11 20'-0"				—
t34 38 #8 20'-0"				—
w34 30 #8 36'-5"				—
w32 12 #8 24'-8"				—
Class X Concrete Cu.Yds. 1053.2				
Reinforcing Bars Lbs. 117750				
Metal Pile Shells 14" Φ Lin.Ft. 8211				
Test Pile Metal Shell Ea. 1				

* Reinforcing bars shall be shop bent
to conform to the tabular
pier dimensions shown

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PIER 4
ILL. 9 over ILLINOIS RIVER
F.A. 75 SECTION 12B-1
PEORIA-TAZEWELL COUNTIES
STA. 96+50

GENERAL NOTES

1990 Chinese Building Code Soil Classification and Test Method Where Noted

DRILLING & SAMPLING SYMBOLS

SS : Split-Spoon - 1W' L.D. 2" O.D., except where noted
ST : Shelby Tube - 2" O.D., except where noted
PA : Power Auger Sample
DB : Diamond Bit - 10X, 12X, 14X
CB : Carbide Bit - 10X, 12X, 14X
OS : Oscillating Sampler - 3" Shelby Tube
HS : Hand Sampler
WS : Wash Sample
FT : Fish Tail
RB : Rock Bit
WO : Wash Out

Standard "N" Penetration: Blows per foot of a 140 pound hammer falling 30 inches on a 2 inch OD split spoon, except where noted.

WATER LEVEL MEASUREMENT SYMBOLS

WL : Water Level
WCI : Wet Core In
DCI : Dry Core In
WS : Water Sampling
WD : Water Drilling
BCR : Before Casing Removal
ACR : After Casing Removal
AB : After Boring

Water levels indicated on the boring logs are the levels measured in the boring at the time indicated. In pervious soils, the indicated elevations are considered reliable ground water levels. In impervious soils, the accurate determination of ground water elevations is not possible in even several days observation, and additional observations on ground water elevations must be sought.

CLASSIFICATION

COHESIONLESS SOILS

"Trace" : 1% to 10%
"Trace to some" : 10% to 20%
"Some" : 20% to 35%
"And" : 35% to 50%
Loose : 0 to 9 Blows
Medium Dense : 10 to 29 Blows
Dense : 30 to 59 Blows
Very Dense : 60 Blows

or equivalent

COHESIVE SOILS

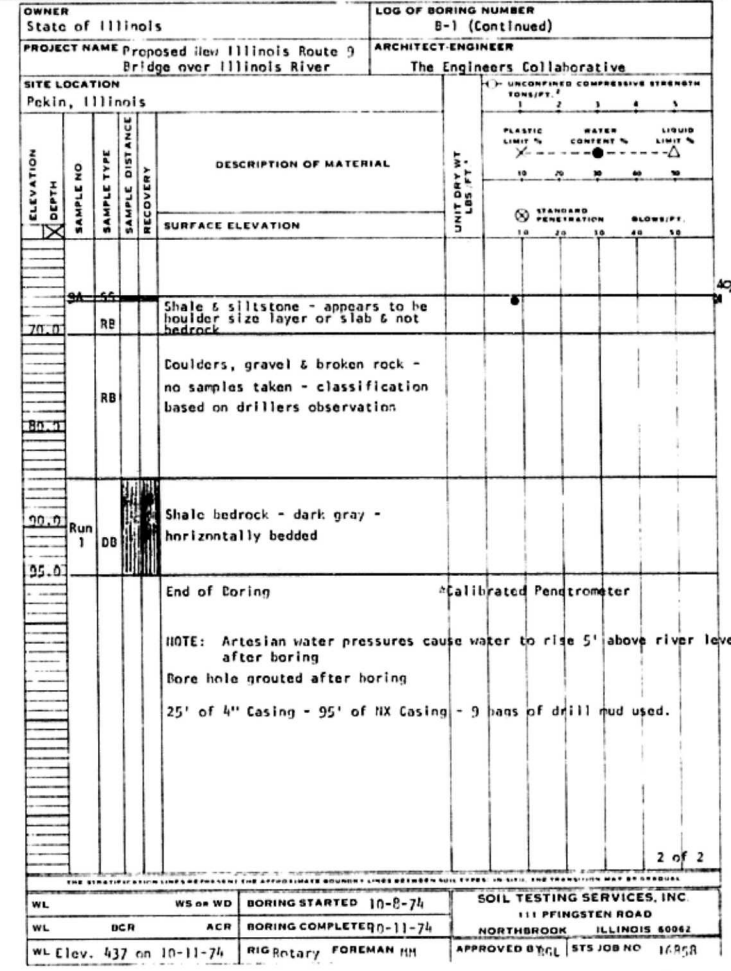
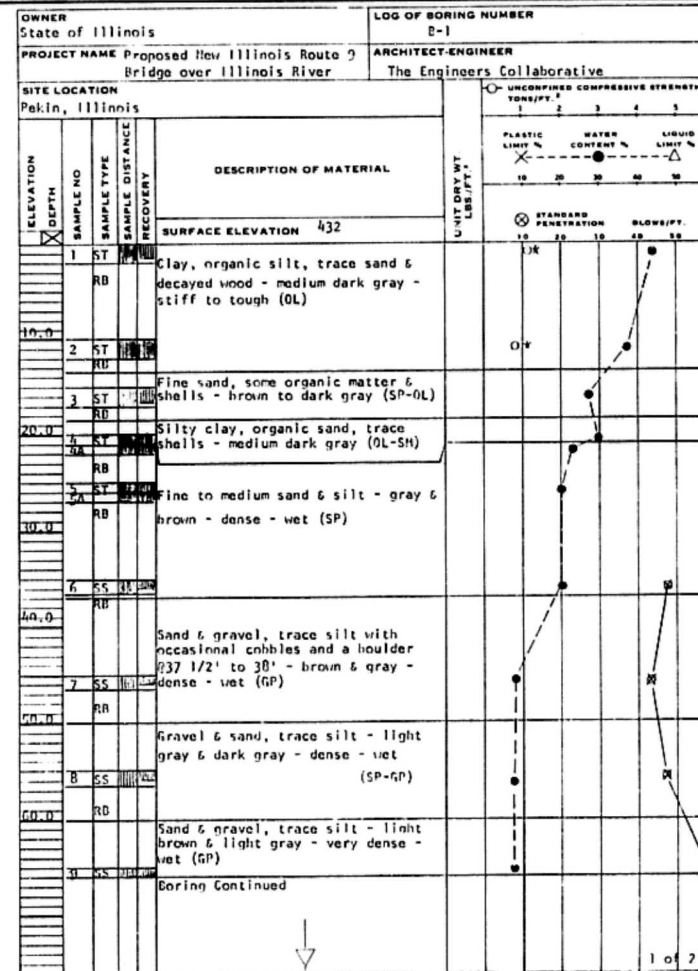
If clay content is sufficient so that clay dominates soil properties, then clay becomes the principle name with the other major soil constituents as modifiers, i.e., silty clay. Other minor soil constituents may be added according to classification breakdown for cohesionless soils, i.e., silty clay, trace to some sand, trace gravel.

Soft : 0.00 - 0.99 tons/ft.²
Stiff : 0.60 - 0.99 tons/ft.²
Tough : 1.00 - 1.99 tons/ft.²
Very Tough : 2.00 - 3.99 tons/ft.²
Hard : 4.00 tons/ft.²

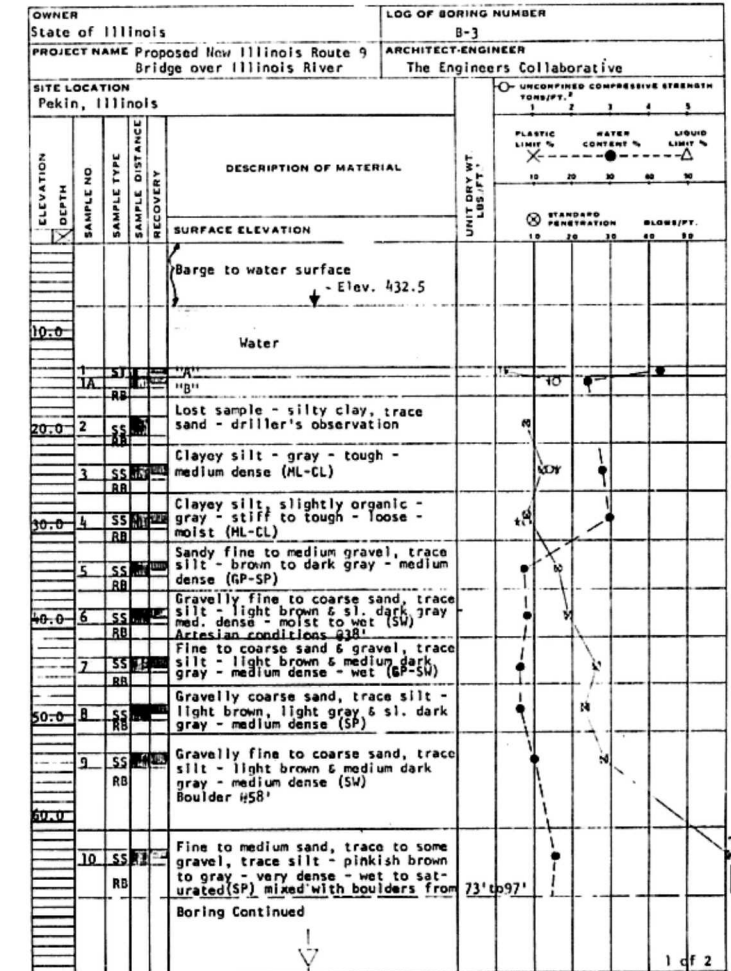
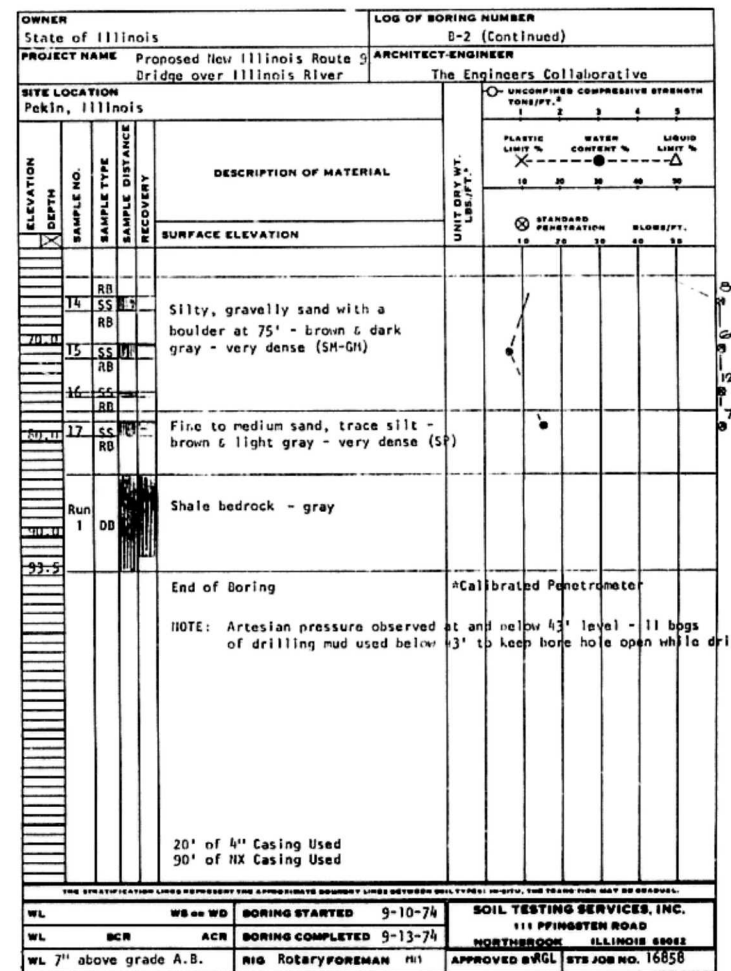
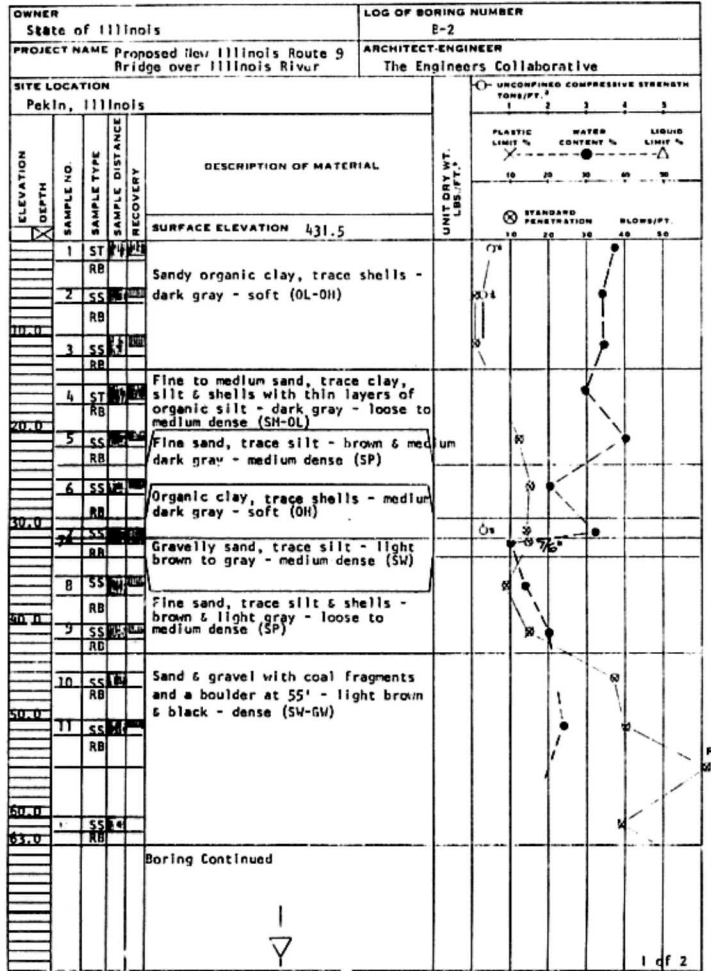
GENERAL NOTES

STS

SOIL TESTING SERVICES, INC.
111 PINGSTON ROAD
NORTHBROOK, ILLINOIS 60062



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1	75	PEORIA & TAZEWELL	58	27
FED. ROAD DIV. NO.		ILLINOIS	PROJECT	

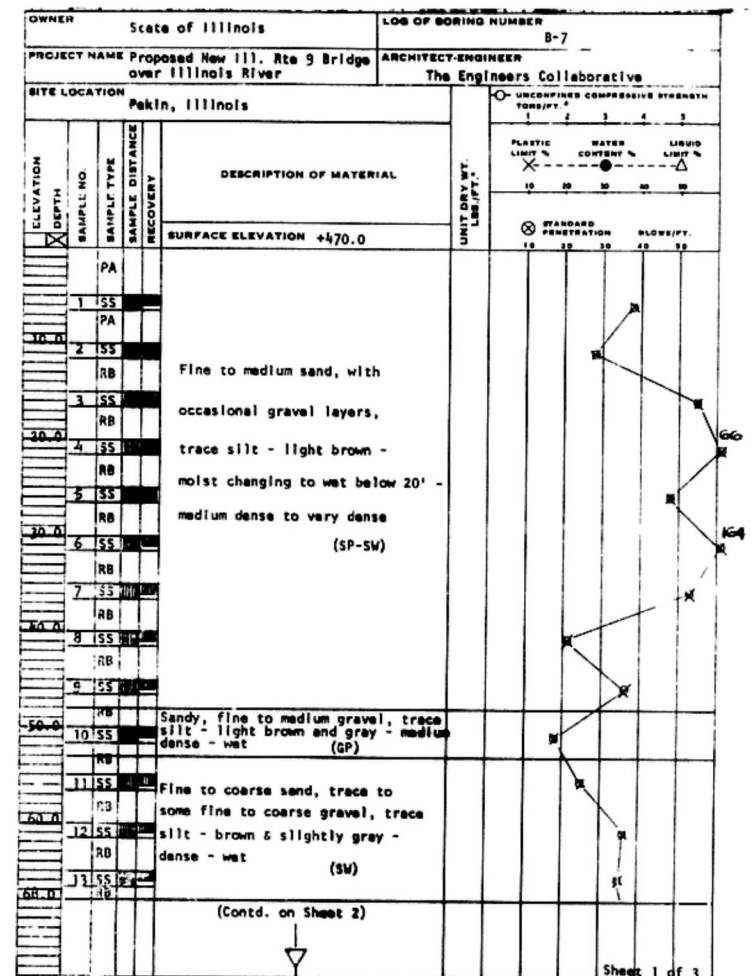
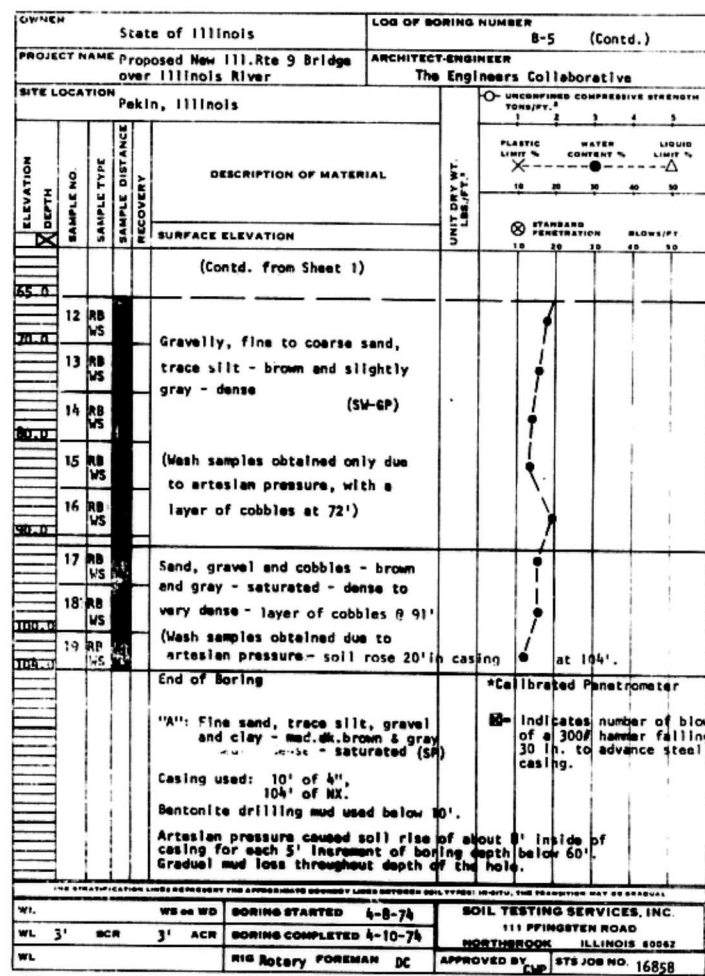
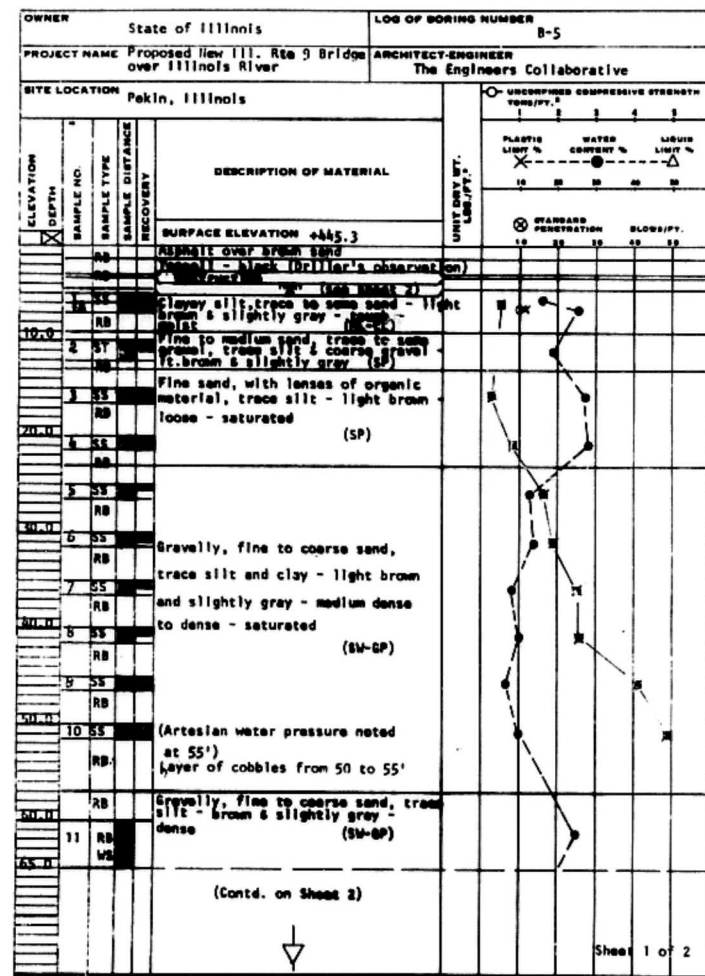
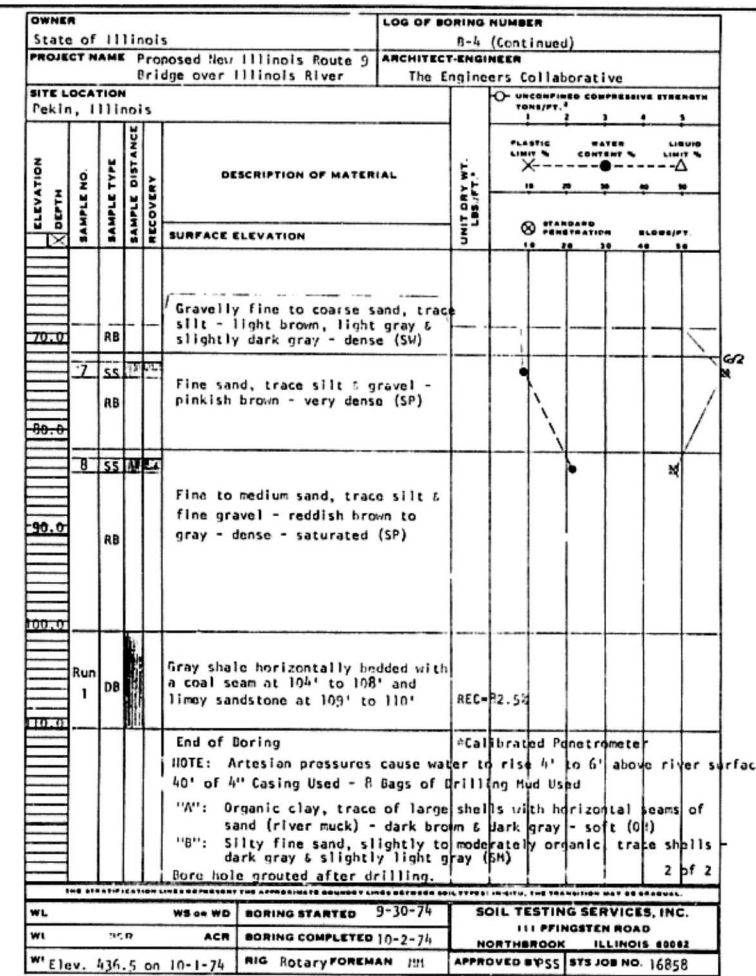
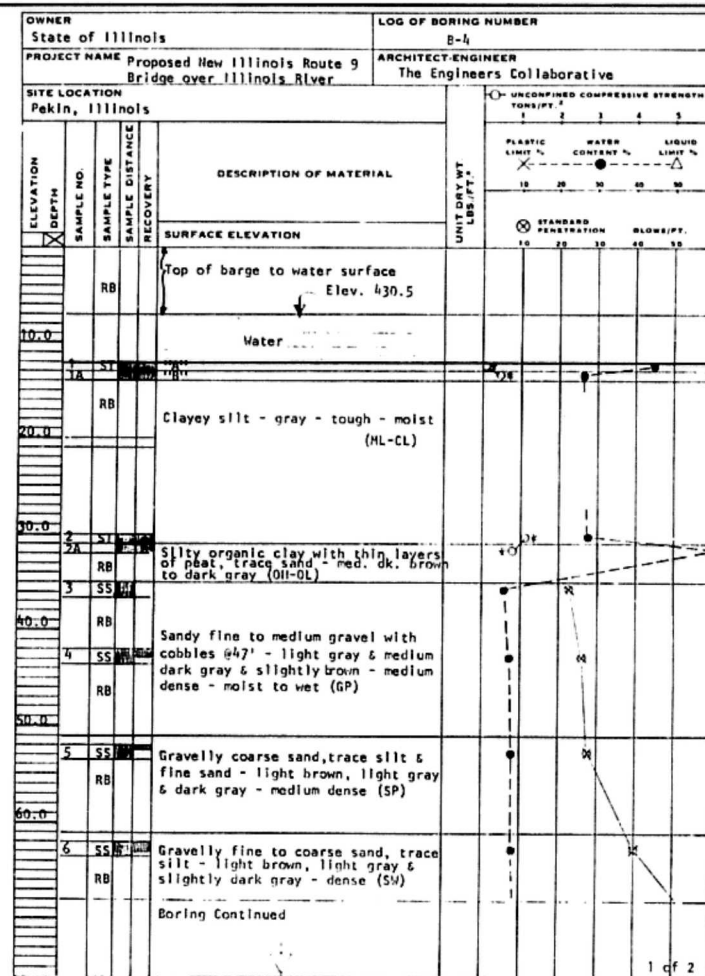
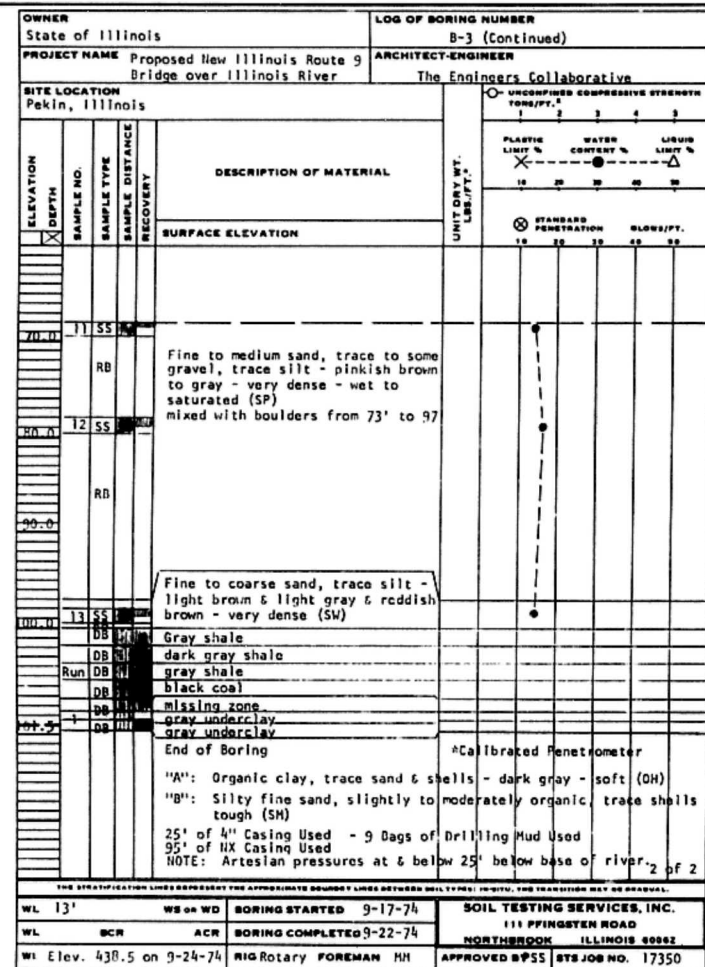


STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION BORINGS

ILL. 9 over ILLINOIS RIVER
F.A. 75 SECTION 12B-1
PEORIA & TAZEWELL COUNTIES
STA. 92+50

THE ENGINEERS COLLABORATIVE
CHICAGO ILLINOIS

SHEET
13 OF 17



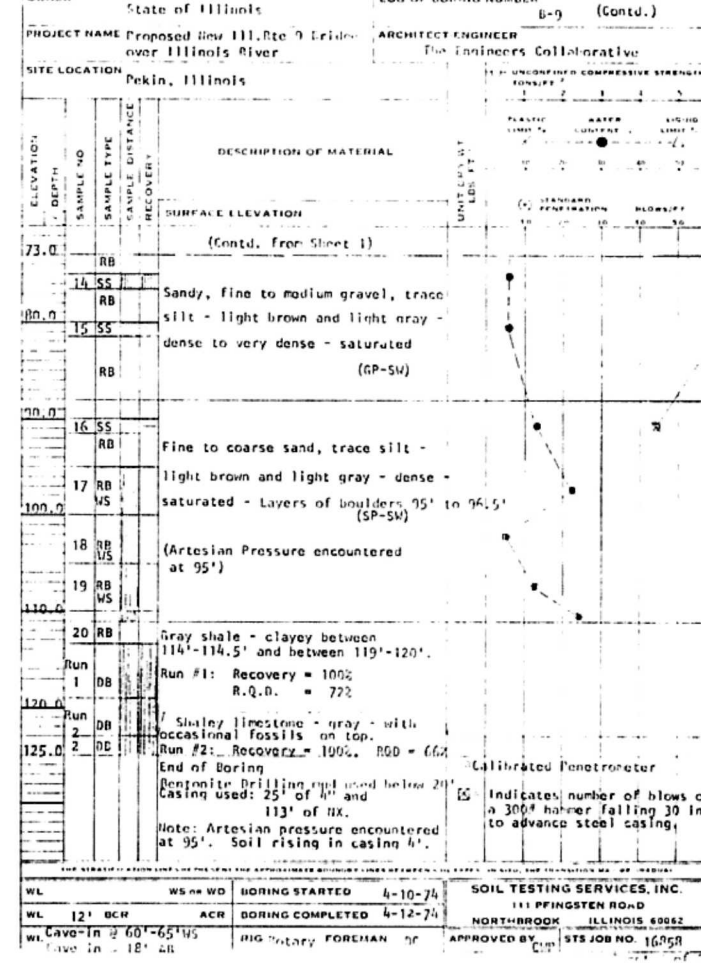
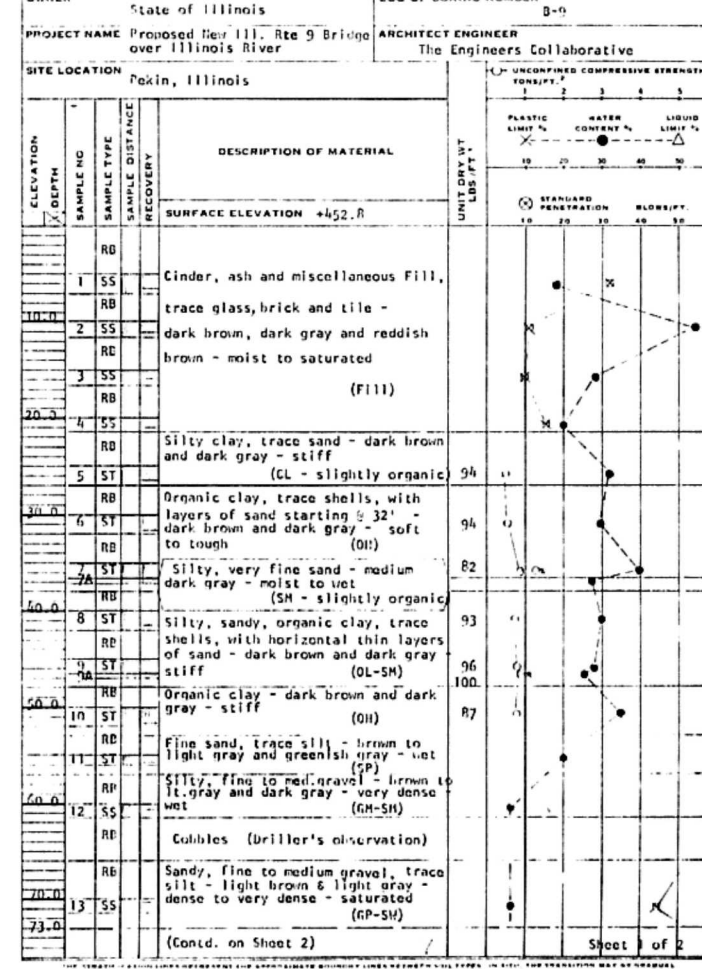
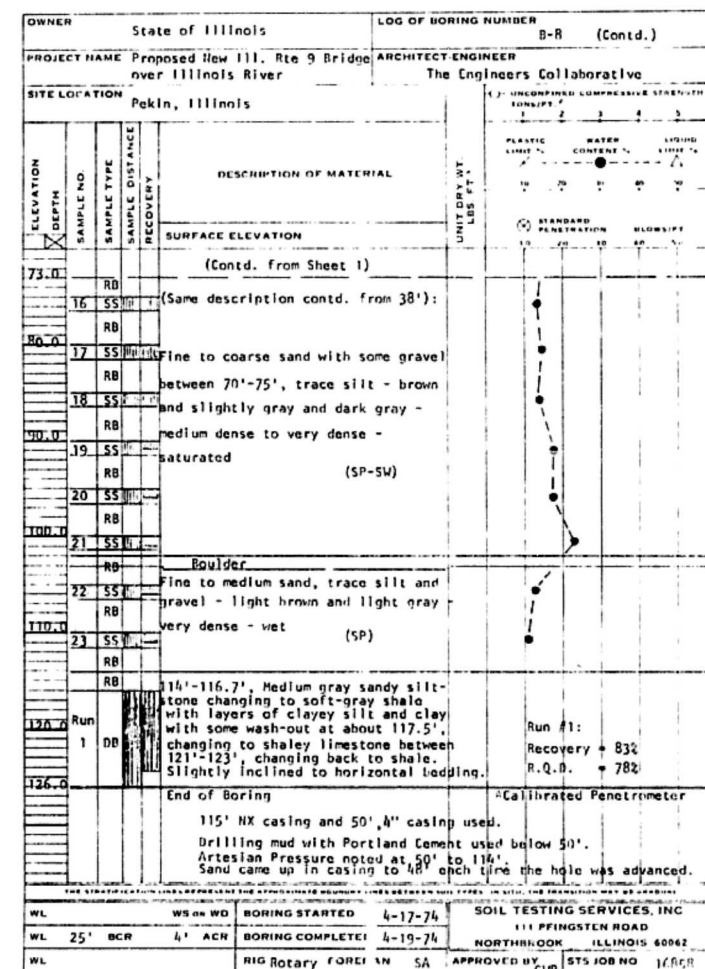
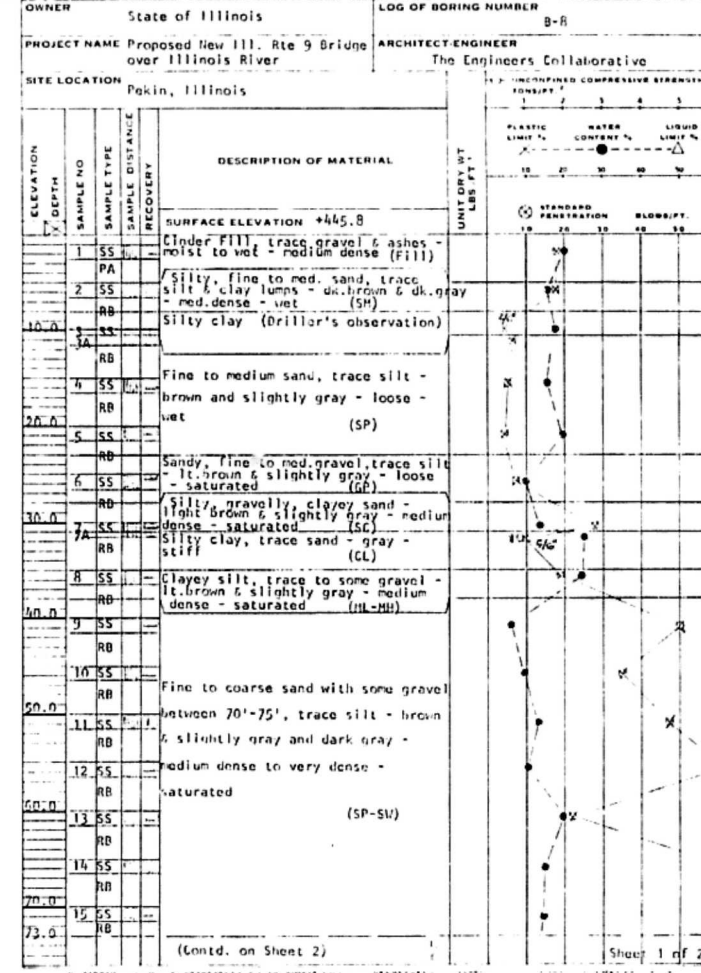
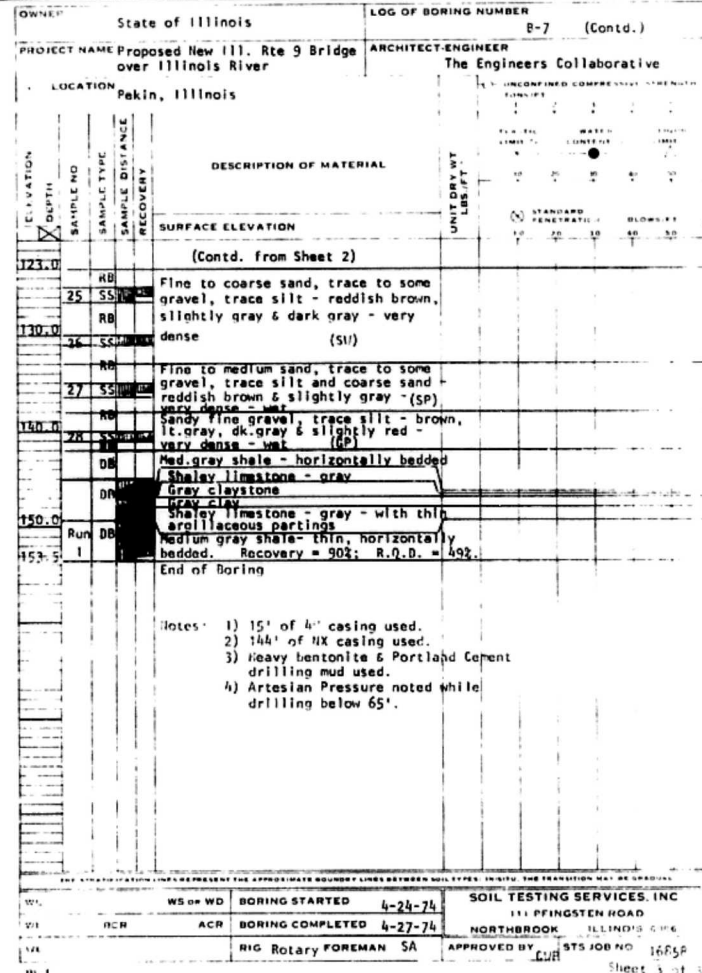
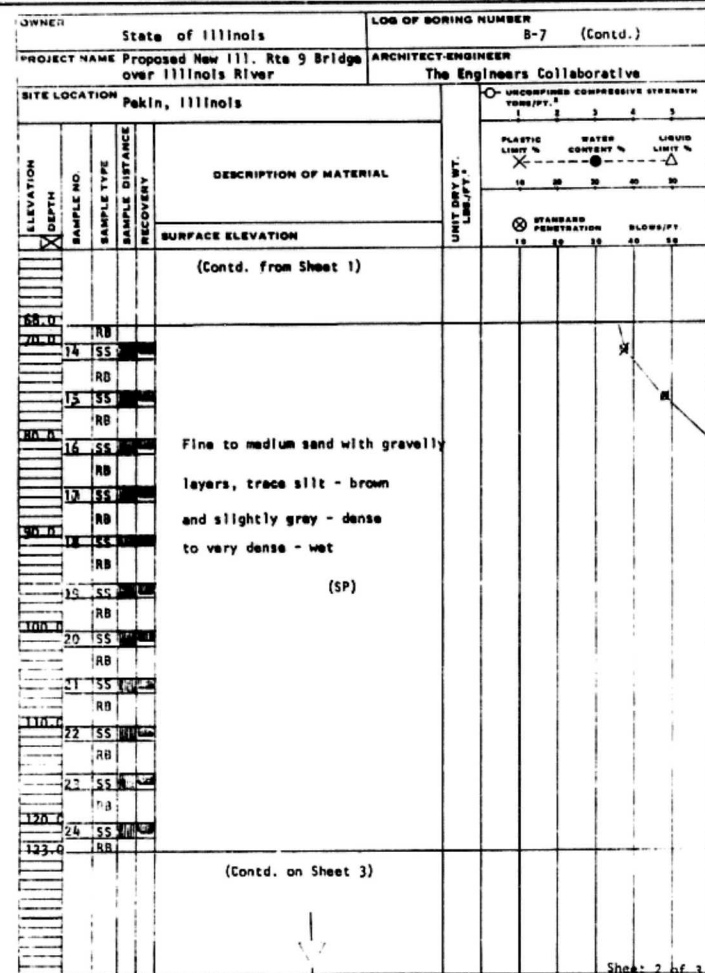
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
EA 75	12B-1	PEORIA-TAZEWELL	58	28
FED. ROAD DIV. NO.		ILLINOIS	PROJECT	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
BORINGS

ILL. 7 over ILLINOIS RIVER
E.A. 75 SECTION 12B-1
PEORIA-TAZEWELL COUNTIES
STA. 96+50

THE ENGINEERS COLLABORATIVE
CHICAGO ILLINOIS

SHEET
14 of 17



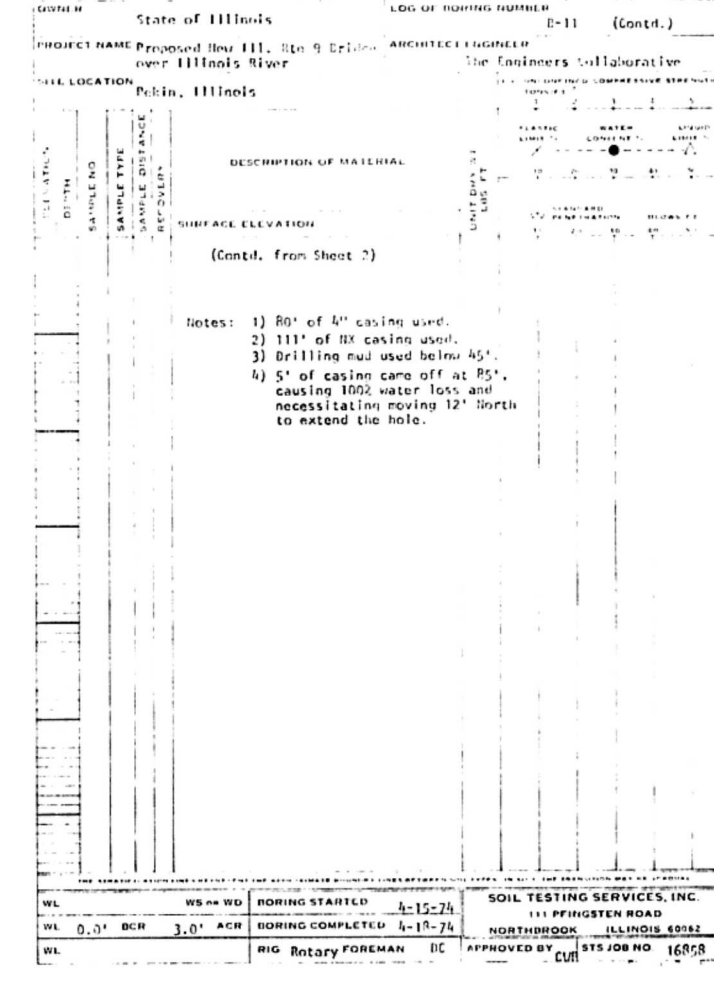
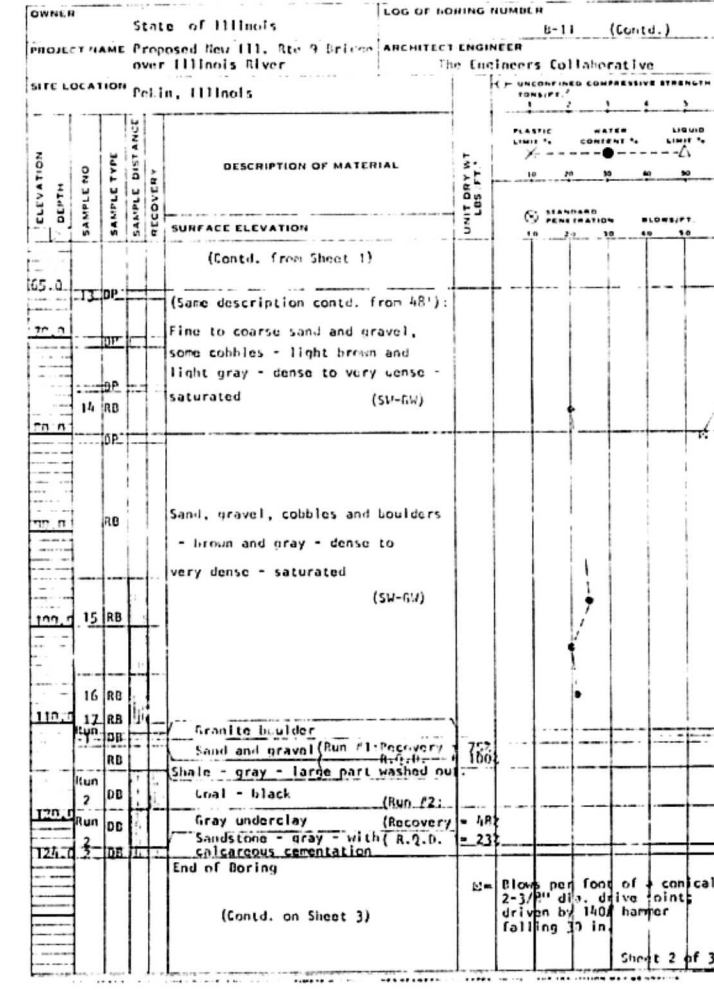
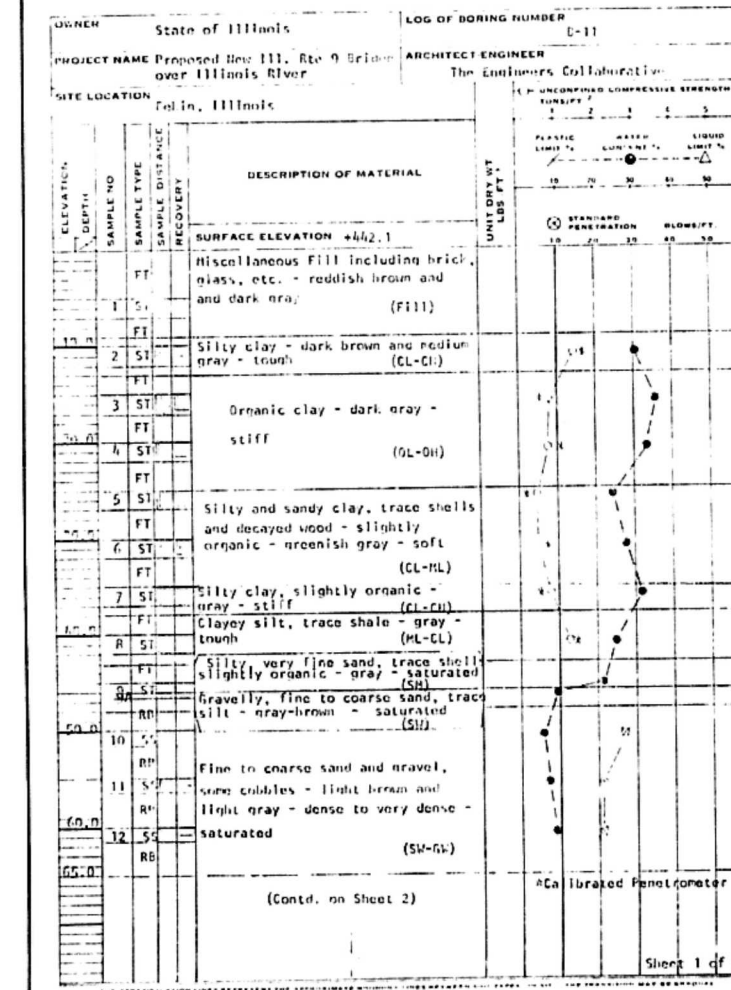
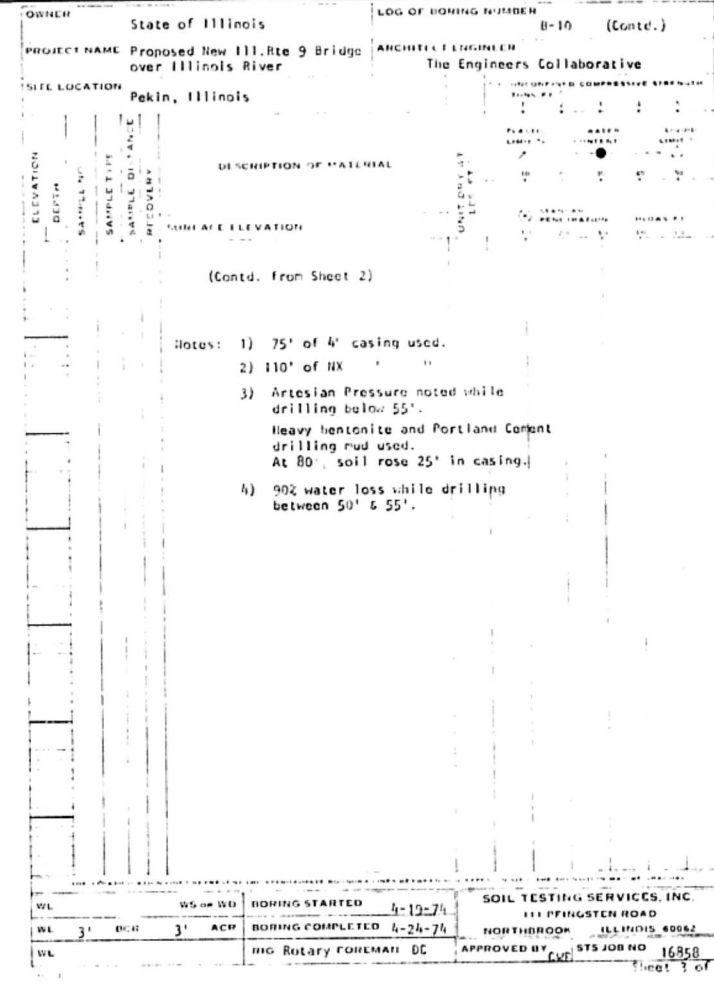
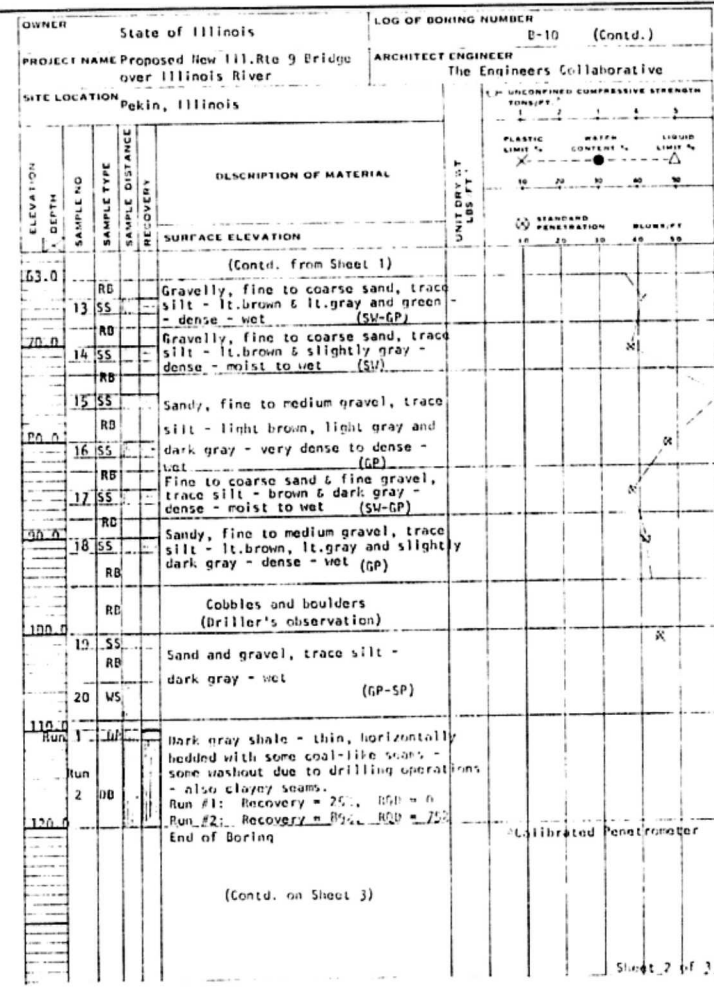
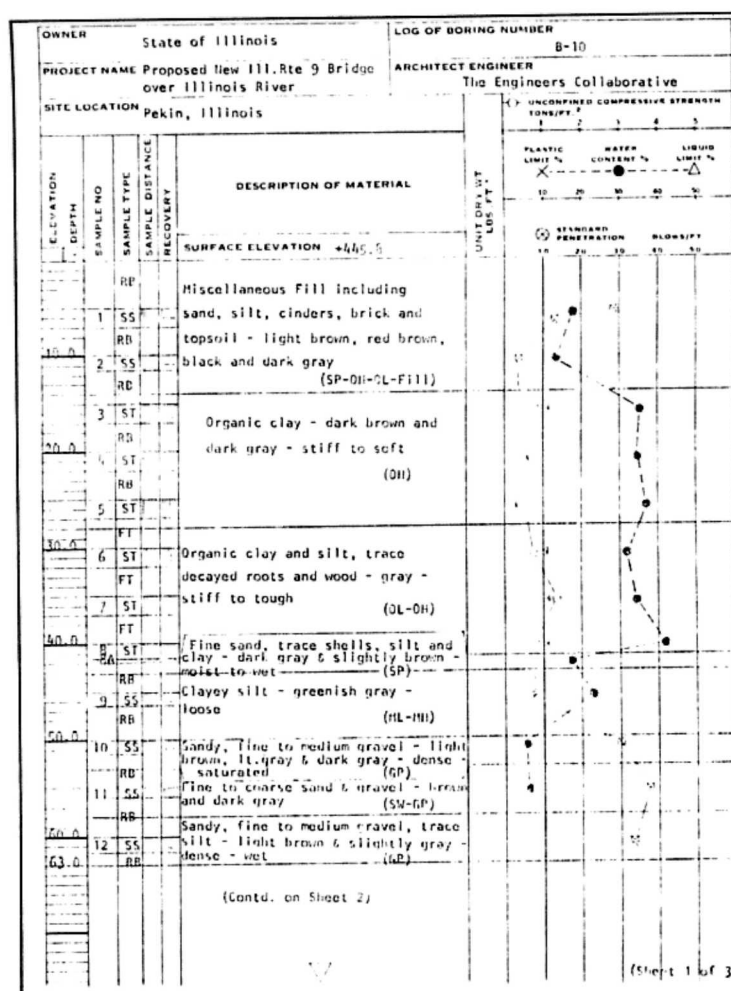
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA 75	12B-1	PEORIA-TAZEWELL	58	29
FED. ROAD DIV. NO.		ILLINOIS PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
BORINGS

ILL. 9 over ILLINOIS RIVER
FA. 75 SECTION 12B-1
PEORIA-TAZEWELL COUNTIES
STA. 96+50

THE ENGINEERS COLLABORATIVE
CHICAGO ILLINOIS

SHEET 29 OF 58



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
EA 75	125-1	PEORIA-TAZEWELL	58	30
FED. ROAD DIV. NO.		ILLINOIS PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
BORINGS

ILL. 9 over ILLINOIS RIVER
EA. 75 SECTION 125-1
PEORIA-TAZEWELL COUNTIES
STA. 96+50

THE ENGINEERS COLLABORATIVE
CHICAGO ILLINOIS

SHEET
16 OF 17

OWNER: State of Illinois

LOG OF BORING NUMBER: D-15

PROJECT NAME: Proposed New Ill. Rte 9 Bridge over Illinois River

ARCHITECT/ENGINEER: The Engineers Collaborative

SITE LOCATION: Pekin, Illinois

ELEVATION	DEPTH	SAMPLE NO.	SAMPLE TYPE	SAMPLE DESCRIPTION	TEST RESULTS
43.6	0.0	1	ST	Topsoil - black	
43.5	1.0	2	ST	Silty clay - brown and gray - stiff (CL)	
43.4	2.0	3	ST	Silty clay - light brown & greenish gray - tough (CL-CH)	
43.3	3.0	4	ST	Silty clay - greenish gray and slightly brown (CL-CH)	
43.2	4.0	5	ST	Silty clay, moderately organic, trace roots and shells - tough to stiff (CL-CH)	
43.1	5.0	6	ST	Silty fine sand, trace to some clay - greenish gray (SH-SC)	
43.0	6.0	7	SS	Fine to coarse sand, trace silt and gravel - dark gray and gray & slightly brown to brown - medium dense to very dense - saturated at water condition noted (SW)	
42.9	7.0	8	SS	Fine to coarse sand and gravel, trace silt - brown and dark gray - medium dense to dense - saturated (SP-SW)	
42.8	8.0	9	SS		
42.7	9.0	10	SS		
42.6	10.0	11	SS		
42.5	11.0	12	SS		
42.4	12.0	13	SS		
42.3	13.0	14	SS		
42.2	14.0	15	SS		

UNCONFINED COMPRESSIVE STRENGTH (PSF): 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

STANDARD PENETRATION TEST (SPT) BLOW COUNT (FT): 10 20 30 40 50 60 70 80 90 100

WATER CONTENT (%): 10 20 30 40 50 60 70 80 90 100

LIQUID LIMIT (%): 10 20 30 40 50 60 70 80 90 100

PLASTIC LIMIT (%): 10 20 30 40 50 60 70 80 90 100

PLASTICITY INDEX (%): 10 20 30 40 50 60 70 80 90 100

LOG SCALE: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

UNIT: FEET

Scale: 1" = 2'

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
303111G5
ILL. 9 over ILLINOIS RIVER
F.A. 75 SECTION 125-1
PEORIA-TAZEWELL COUNTIES
STA. 96+50

THE ENGINEERS COLLABORATIVE (CHICAGO)	SHEET 17 OF 17
--	-------------------

300

200

100

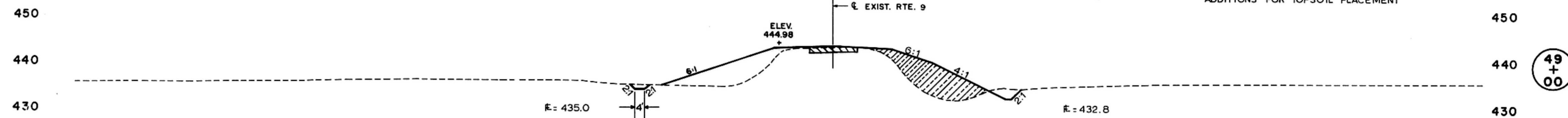
±

100

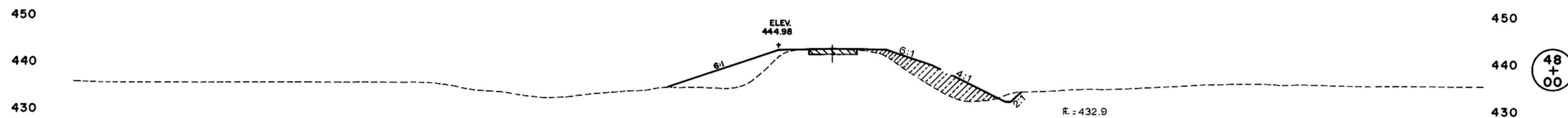
200

F.A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
75	12 A	PEORIA	58	32
STA. 47+00		TO STA. 49+00		
FED. ROAD DIST.	ILLINOIS	FED. AID PROJECT		

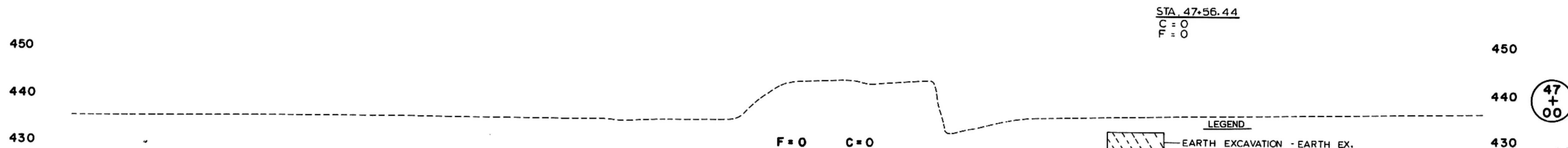
AREAS SHOWN ON CROSS SECTIONS
DO NOT REFLECT DEDUCTIONS OR
ADDITIONS FOR TOPSOIL PLACEMENT



EARTH EX.=28
EMB.=176
EMB. (UNUIT)=206



EARTH EX.=10
EMB.=152
EMB. (UNUIT)=170



STA. 47+56.44
C=0
F=0

F=0 C=0

LEGEND	
	EARTH EXCAVATION - EARTH EX.
	EMBANKMENT - EMB.
	EMBANKMENT (UNSUITABLE) - EMB. (UNUIT.)
	EMBANKMENT (LEVEE) - EMB. (LEVEE)
	EMBANKMENT (TR 317) - EMB. (TR 317)
	EMBANKMENT (GRANULAR) - EMB. (G)
	EMBANKMENT (COHESIVE MATERIAL) - EMB. (CS)
	UNSUITABLE MATERIAL EXCAVATION - UNSUIT. EX.
	TOPSOIL EXCAVATION - TOPSOIL EX.

300

200

100

±

100

200

300

F.A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
75	12 A	PEORIA	58	33
STA. 50+00 TO STA. 52+00				
FED. ROAD DIST.		ILLINOIS	FED. AID PROJECT	

300

200

100

±

100

200

450

440

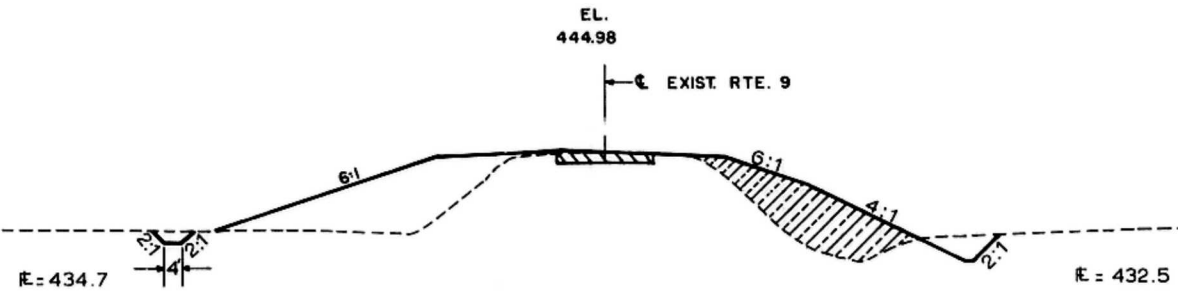
430

450

440

430

52+00



EARTH EX. = 33
EMB. = 252
EMB. (UNSAT) = 185

450

440

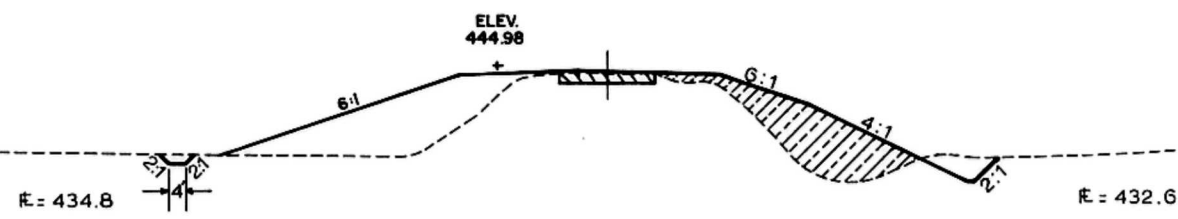
430

450

440

430

51+00



EARTH EX. = 28
EMB. = 252
EMB. (UNSAT) = 190

450

440

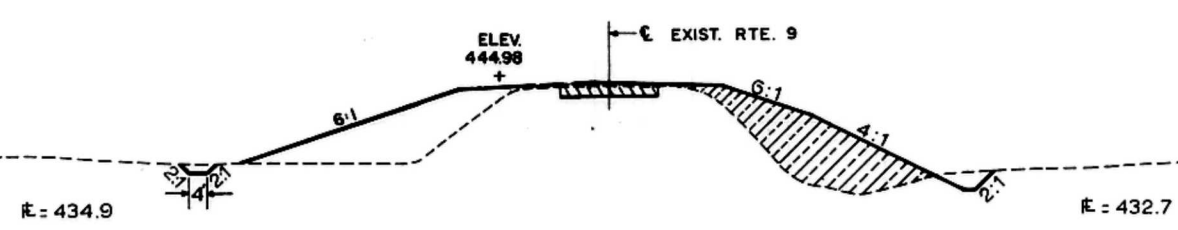
430

450

440

430

50+00



EARTH EX. = 16
EMB. = 192
EMB. (UNSAT) = 208

300

200

100

±

100

200

300

300

200

100

±

100

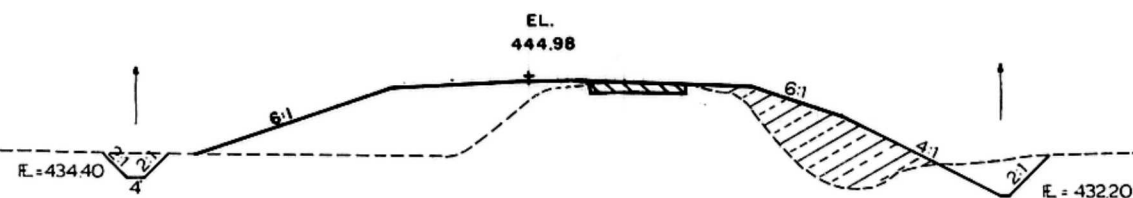
200

F.A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
75	12 A	PEORIA	58	34
STA. 53+00 TO STA. 55+00			ILLINOIS FED. AID PROJECT	

450

440

430



EARTH EX = 76
EM B = 340
EM B. (UNSUIT) = 208

450

440

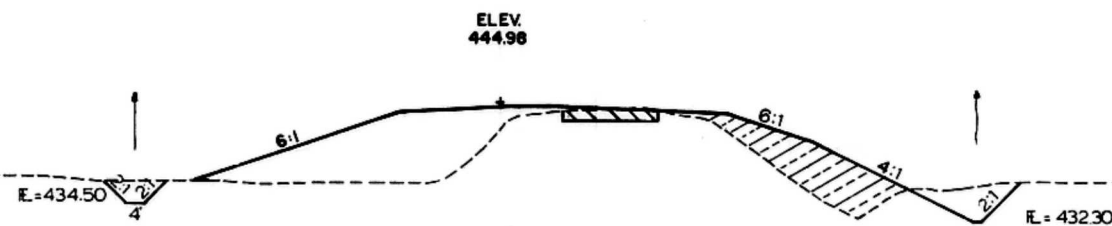
430

55
+
00

450

440

430



EARTH EX = 68
EM B = 316
EM B. (UNSUIT) = 160

450

440

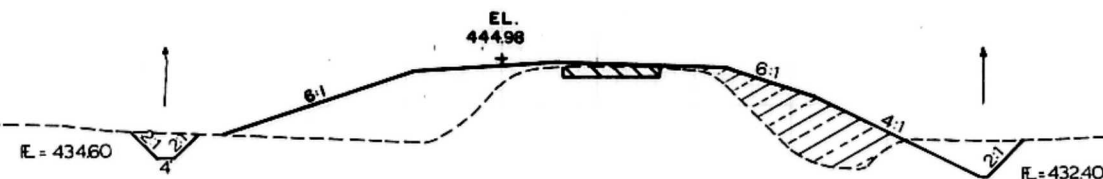
430

54
+
00

450

440

430



EARTH EX = 68
EM B = 260
EM B. (UNSUIT) = 192

450

440

430

53
+
00

300

200

100

±

100

200

300

300

200

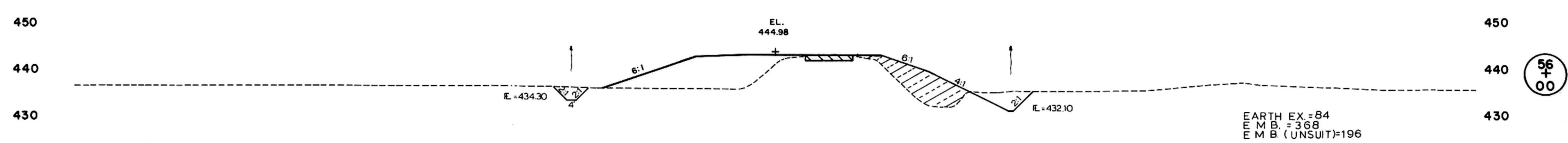
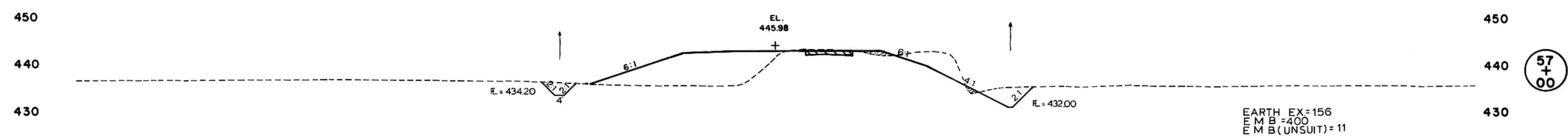
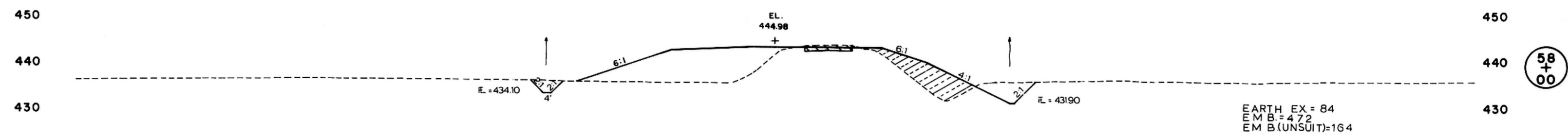
100

±

100

200

F.A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
75	12 A	PEORIA	58	35
STA. 56+00		TO STA. 58+00		
FED. ROAD DIST.		ILLINOIS FED. AID PROJECT		



300

200

100

±

100

200

300

300

200

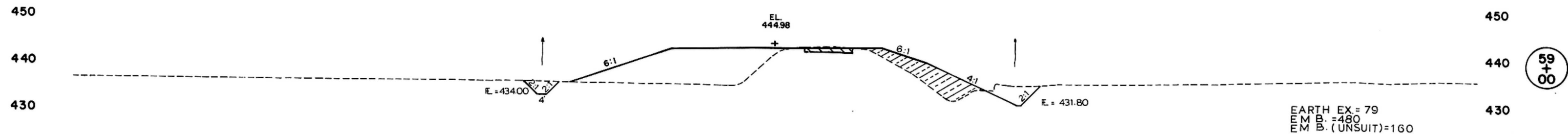
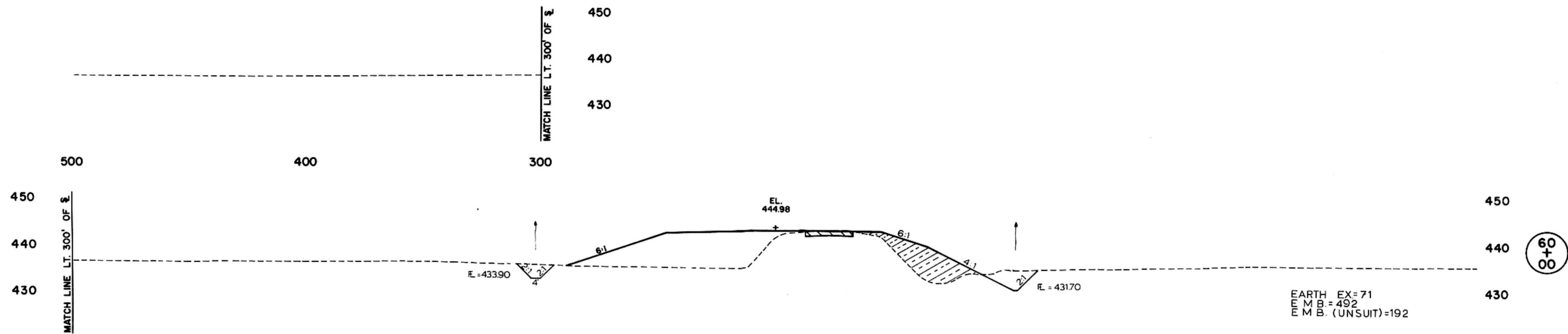
100

±

100

200

F.A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
75	12 A	PEORIA	58	36
STA. 59+00		TO STA. 60+00		
FED. ROAD DIST.		ILLINOIS	FED. AID PROJECT	



300

200

100

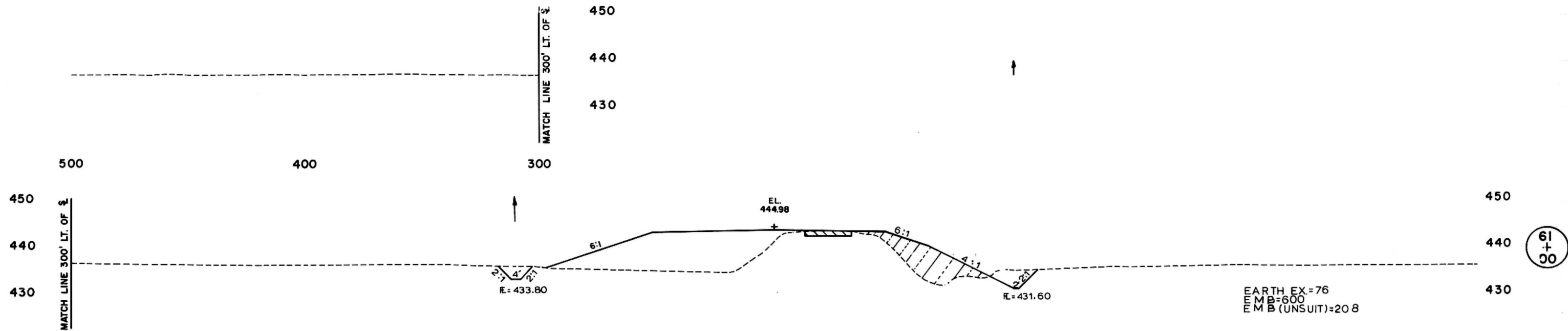
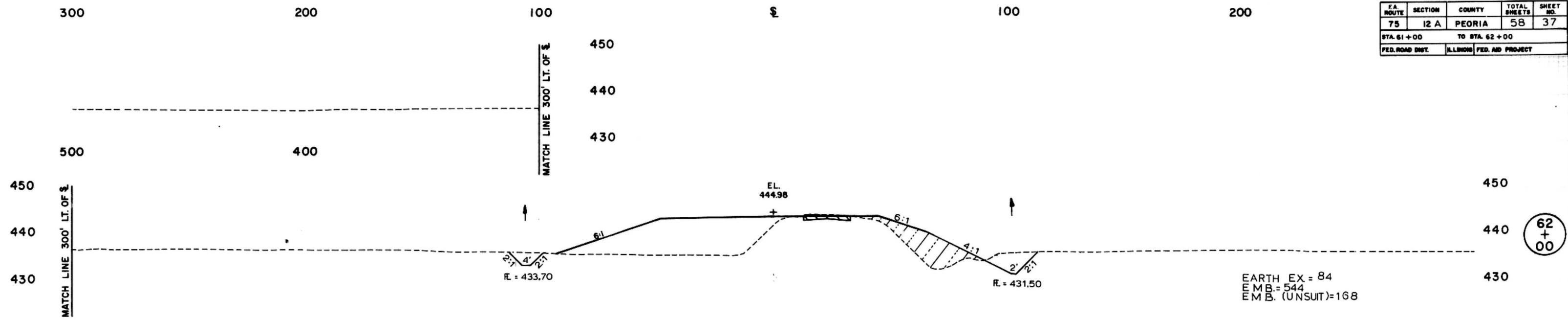
±

100

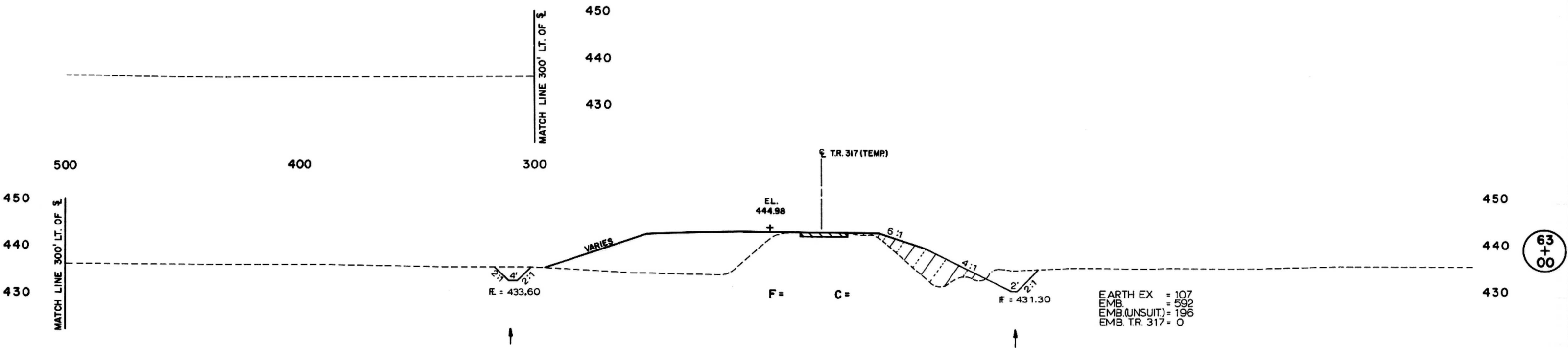
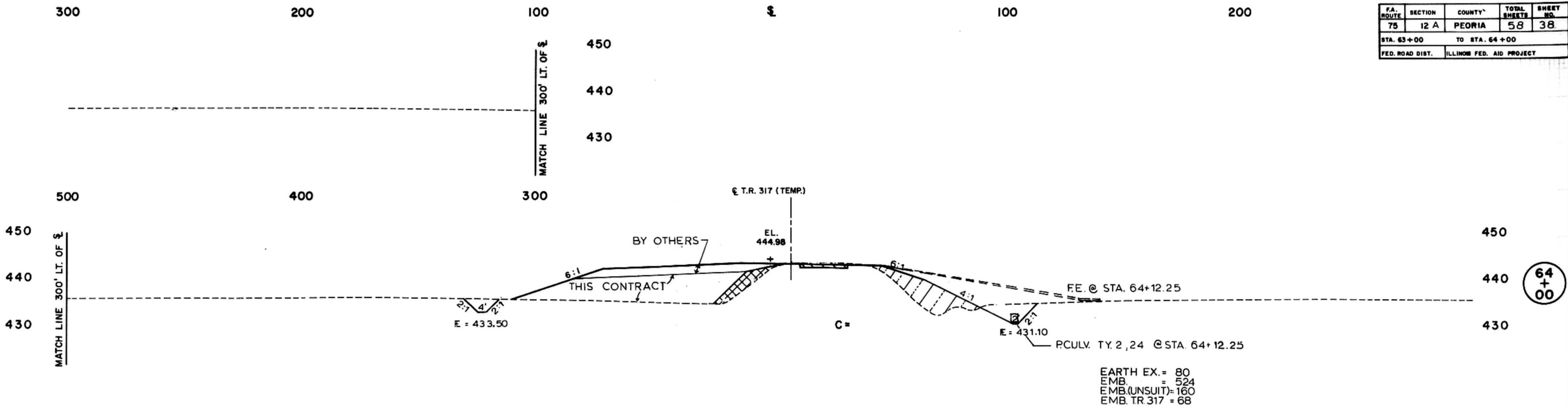
200

300

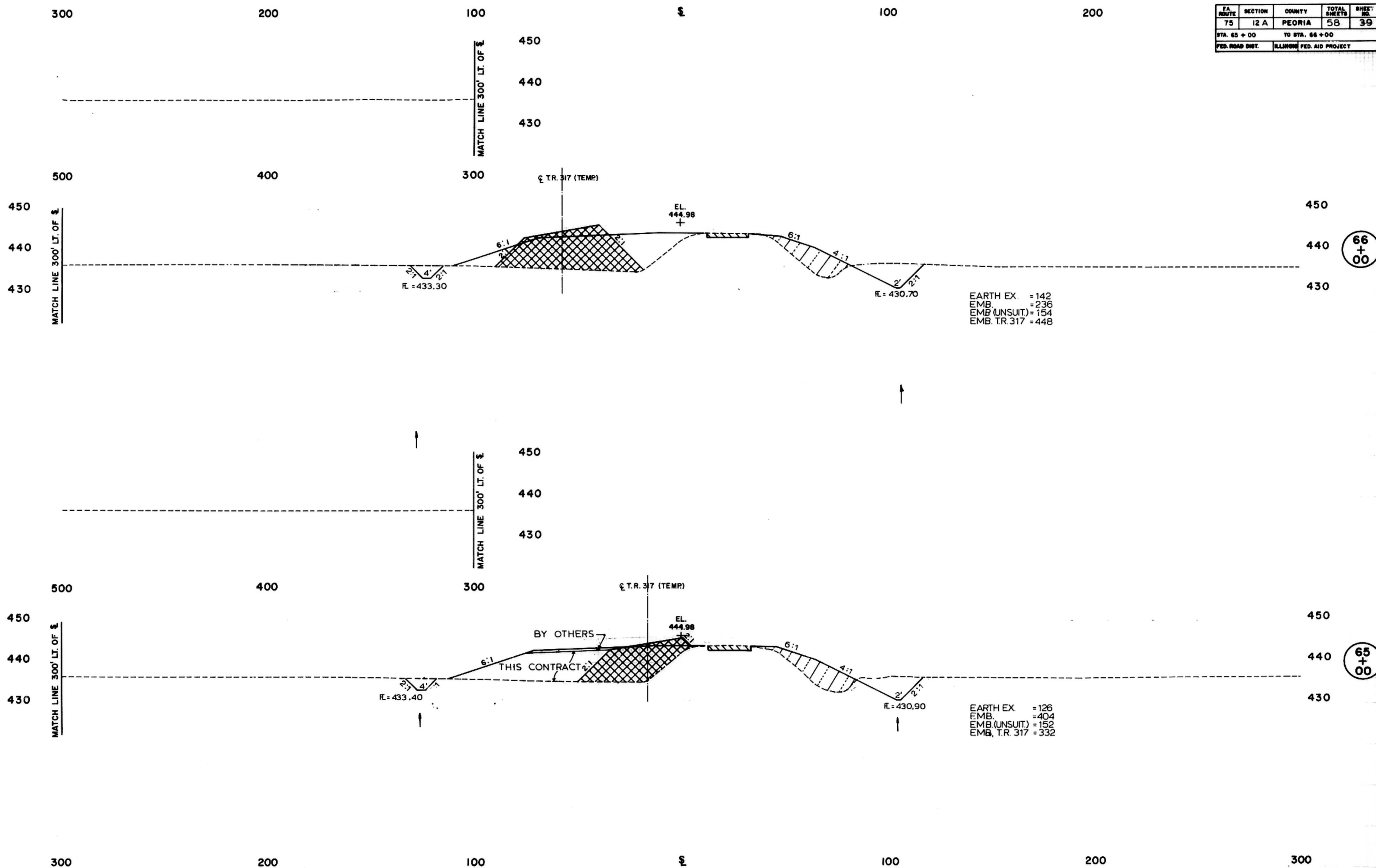
F.A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
75	12 A	PEORIA	58	37
STA. 61+00		TO STA. 62+00		
FED. ROAD DIST.	ILLINOIS	FED. AID PROJECT		



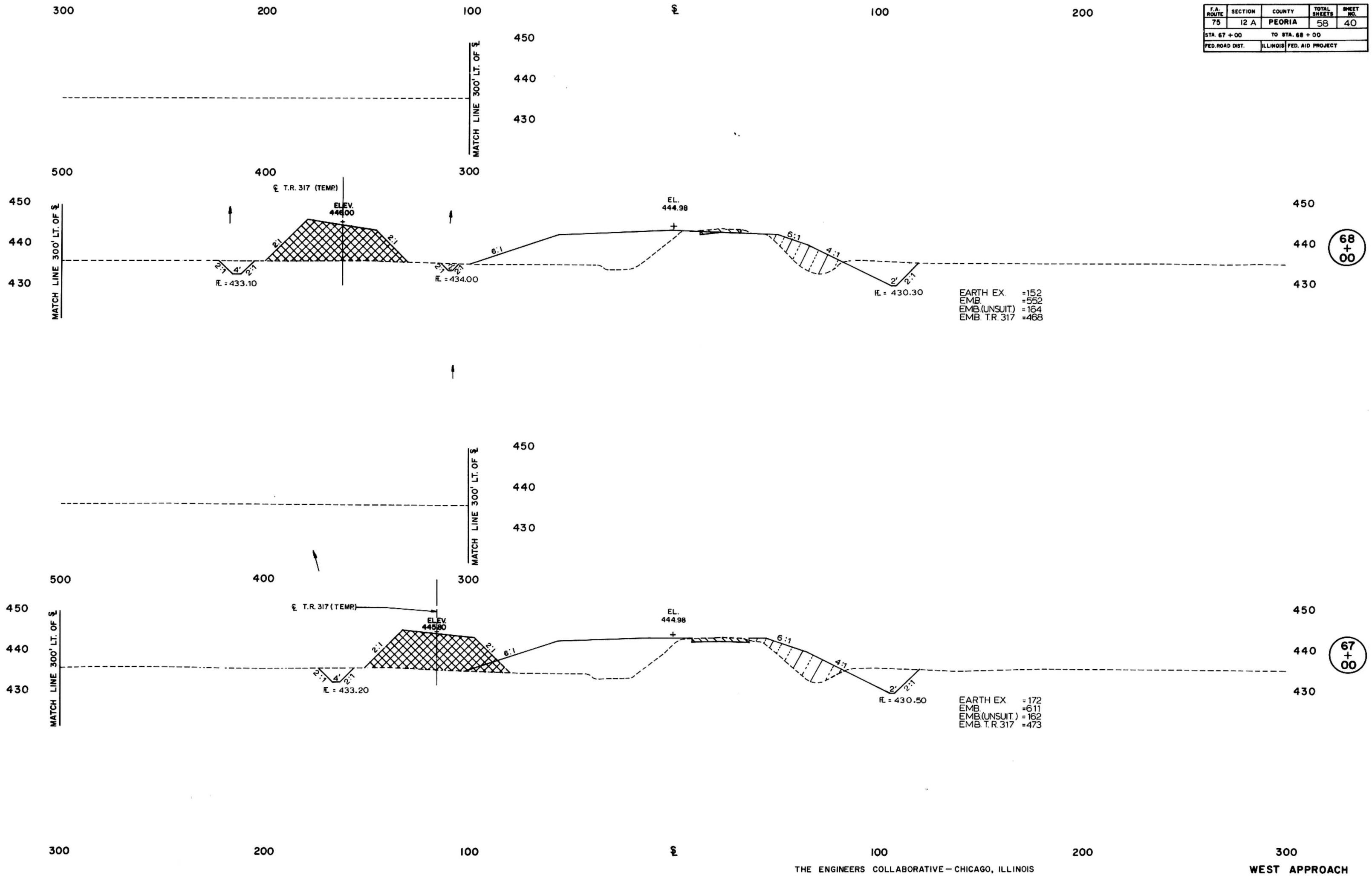
F.A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
75	12 A	PEORIA	58	38
STA. 63+00 TO STA. 64+00			ILLINOIS FED. AID PROJECT	



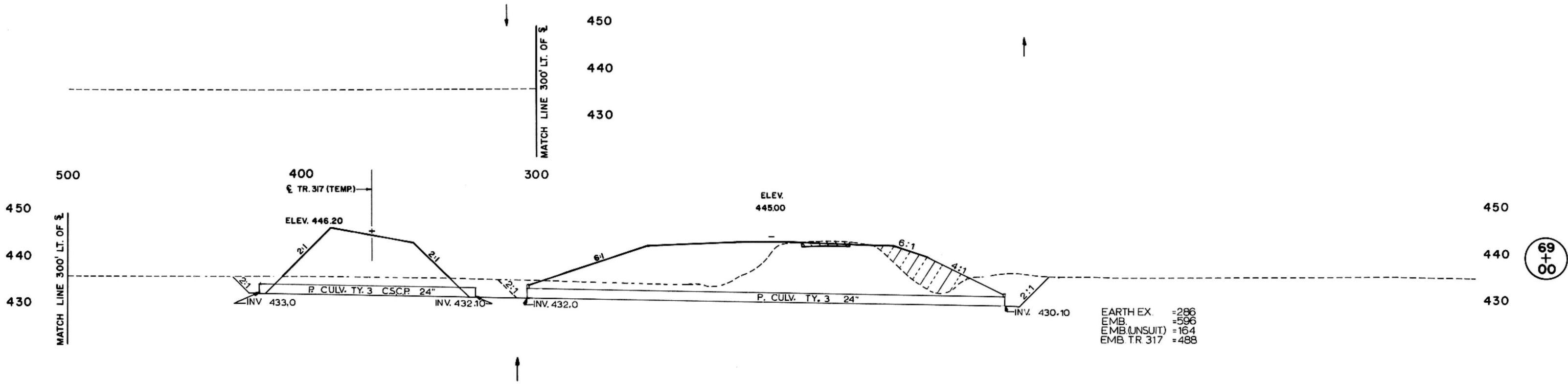
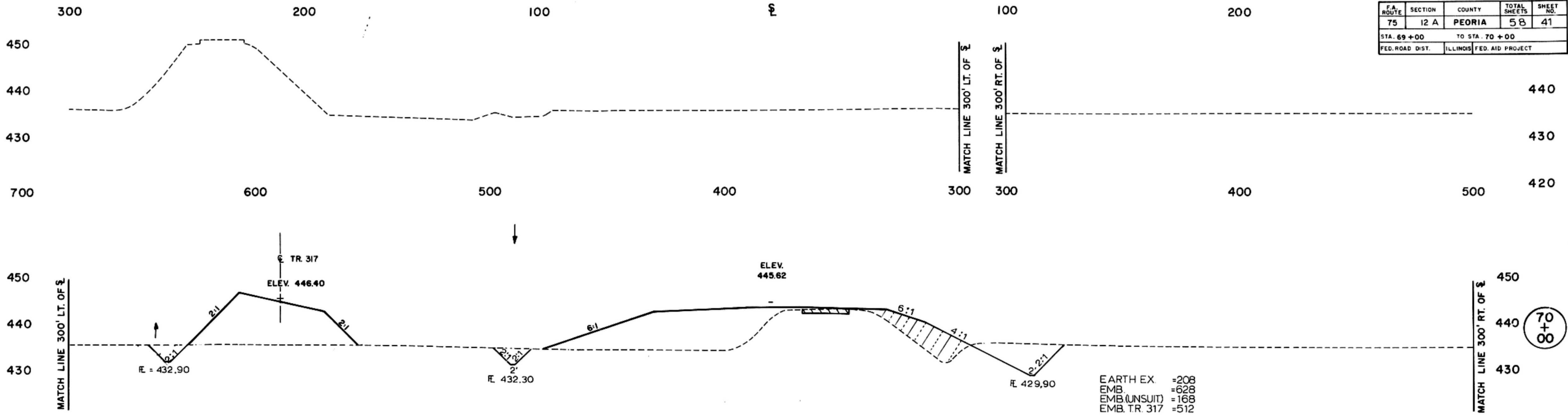
FA ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
75	12 A	PEORIA	58	39
STA. 65 + 00			TO STA. 66 + 00	
FED. ROAD DIST.			ILLINOIS FED. AID PROJECT	



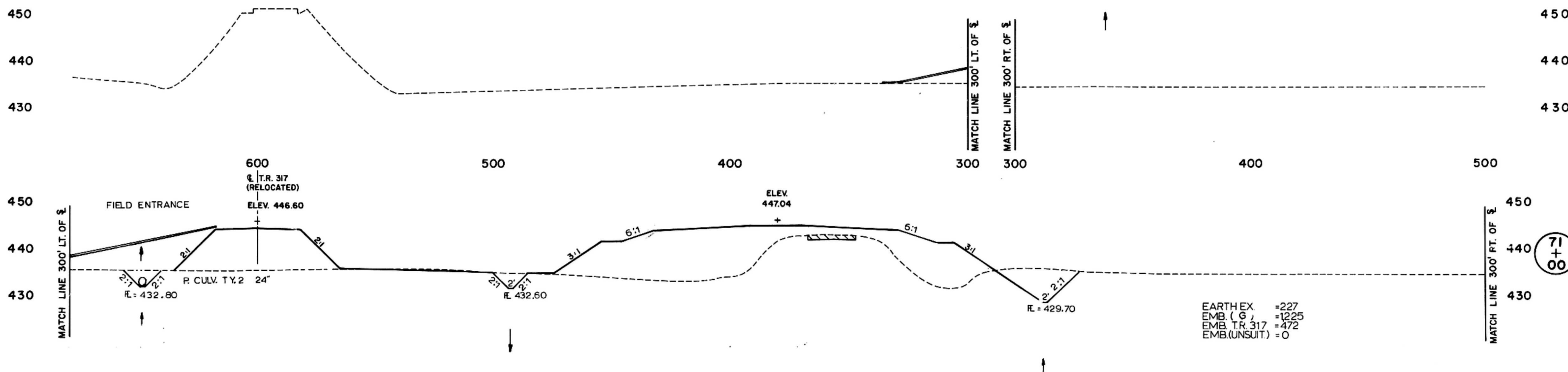
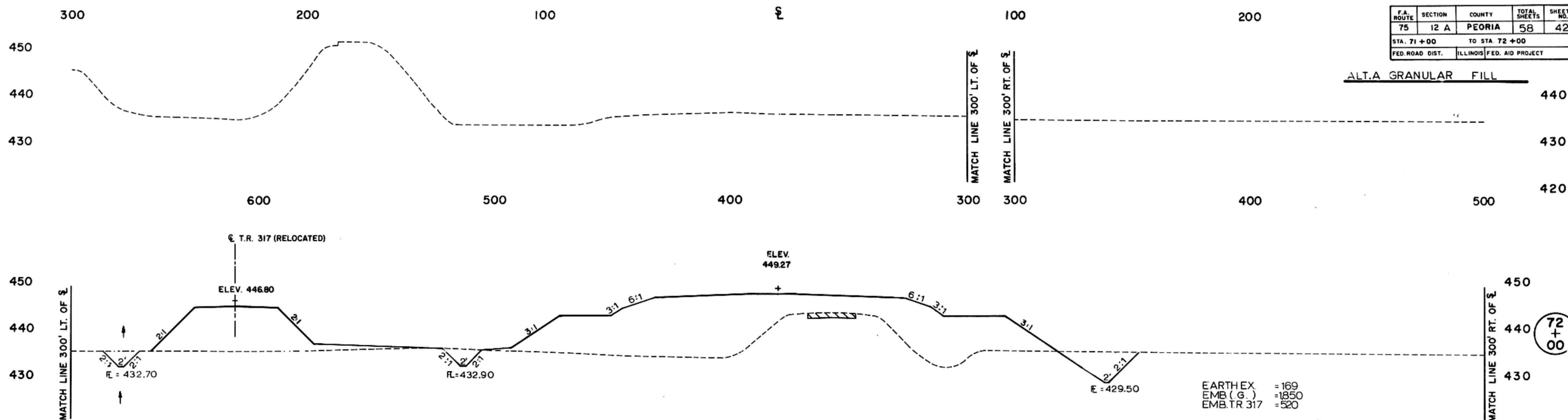
F.A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
75	12 A	PEORIA	58	40
STA. 67 + 00 TO STA. 68 + 00				
FED. ROAD DIST.			ILLINOIS FED. AID PROJECT	



F.A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
75	12 A	PEORIA	58	41
STA. 69+00 TO STA. 70+00				
FED. ROAD DIST.		ILLINOIS FED. AID PROJECT		

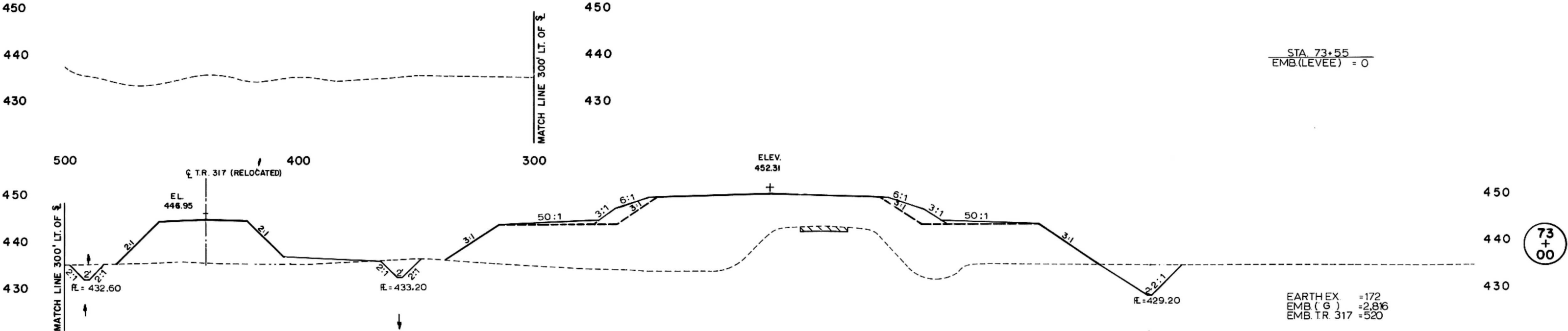
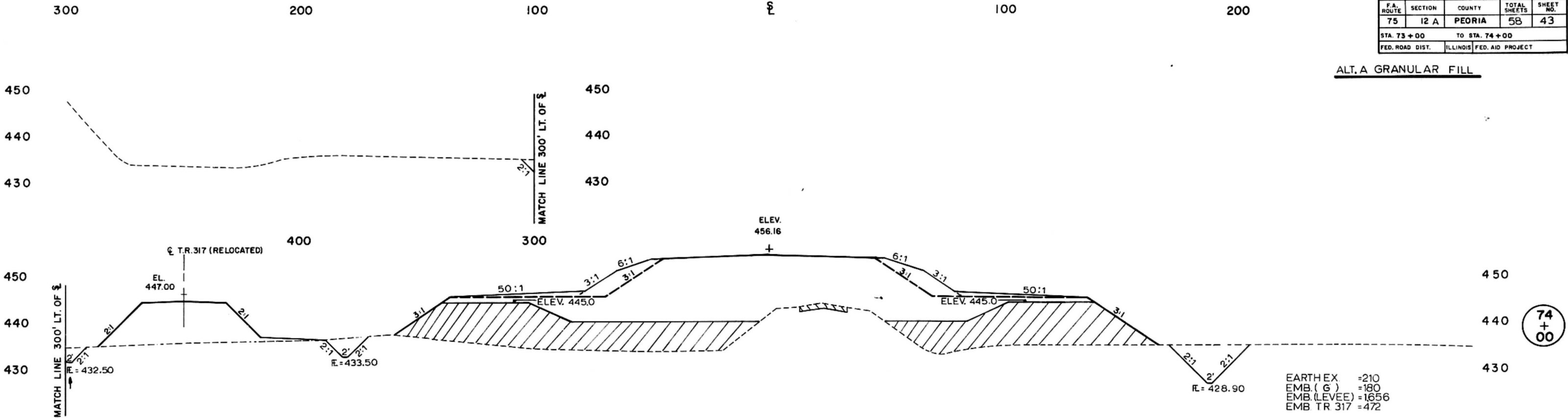


F.A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
75	12 A	PEORIA	58	42
STA. 71 + 00		TO STA. 72 + 00		
FED. ROAD DIST.		ILLINOIS	FED. AID PROJECT	



F.A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
75	12 A	PEORIA	58	43
STA. 73+00		TO STA. 74+00		
FED. ROAD DIST.		ILLINOIS FED. AID PROJECT		

ALT. A GRANULAR FILL



300

200

100

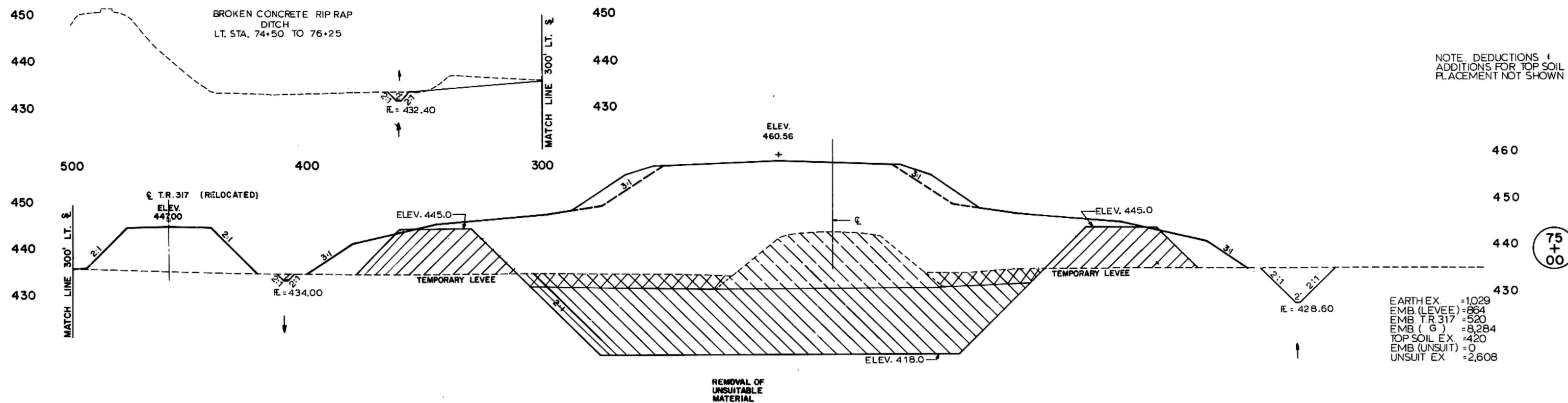
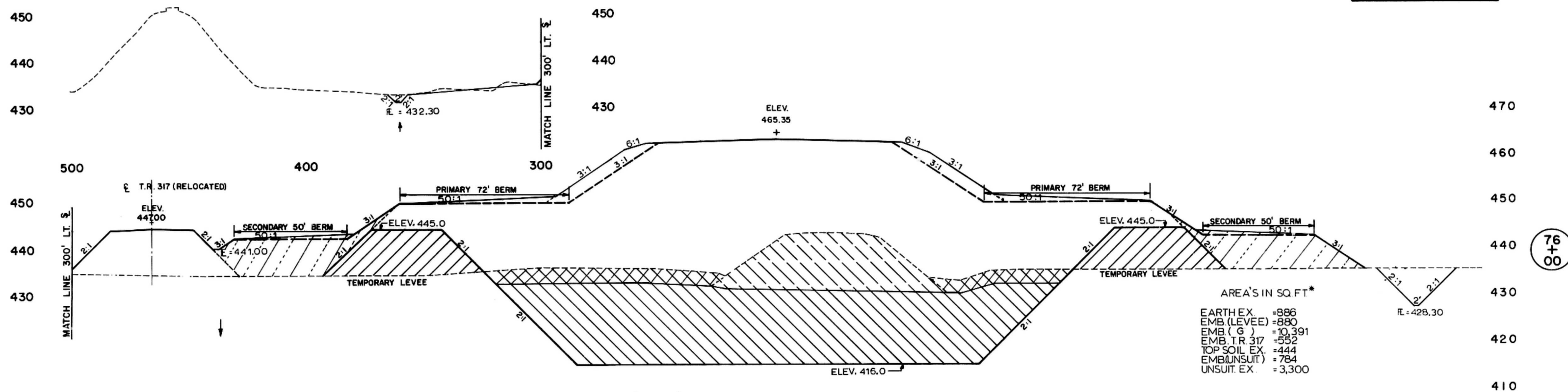
±

100

200

F.A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
75	12 A	PEORIA	58	44
STA. 75+00		TO STA. 76+00		
FED. ROAD DIST.		ILLINOIS FED. AID PROJECT		

ALT. A GRANULAR FILL



300

200

100

±

100

200

300

THE ENGINEERS COLLABORATIVE - CHICAGO, ILLINOIS

WEST APPROACH

300

200

100

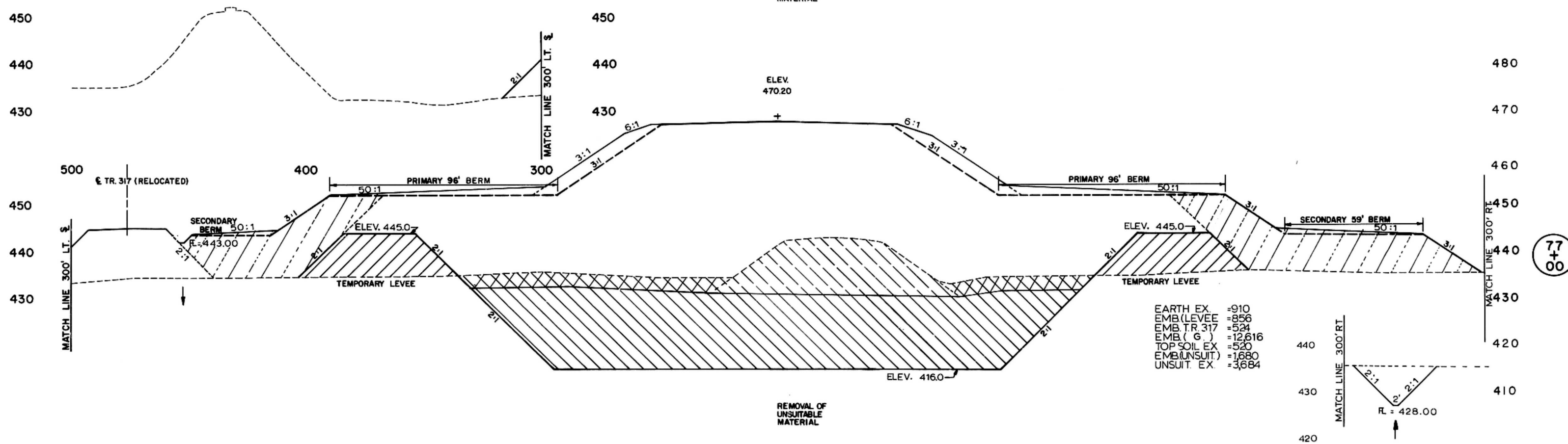
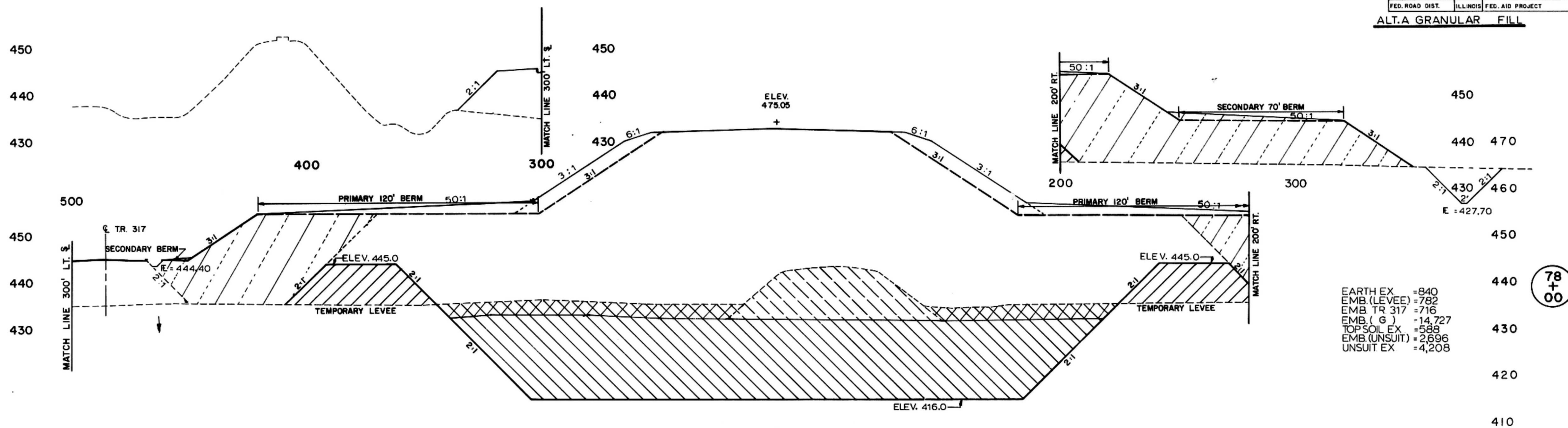
±

100

200

F.A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
75	12A	PEORIA	58	45
STA. 77+00		TO STA. 78+00		
FED. ROAD DIST.		ILLINOIS FED. AID PROJECT		

ALT. A GRANULAR FILL



300

200

100

±

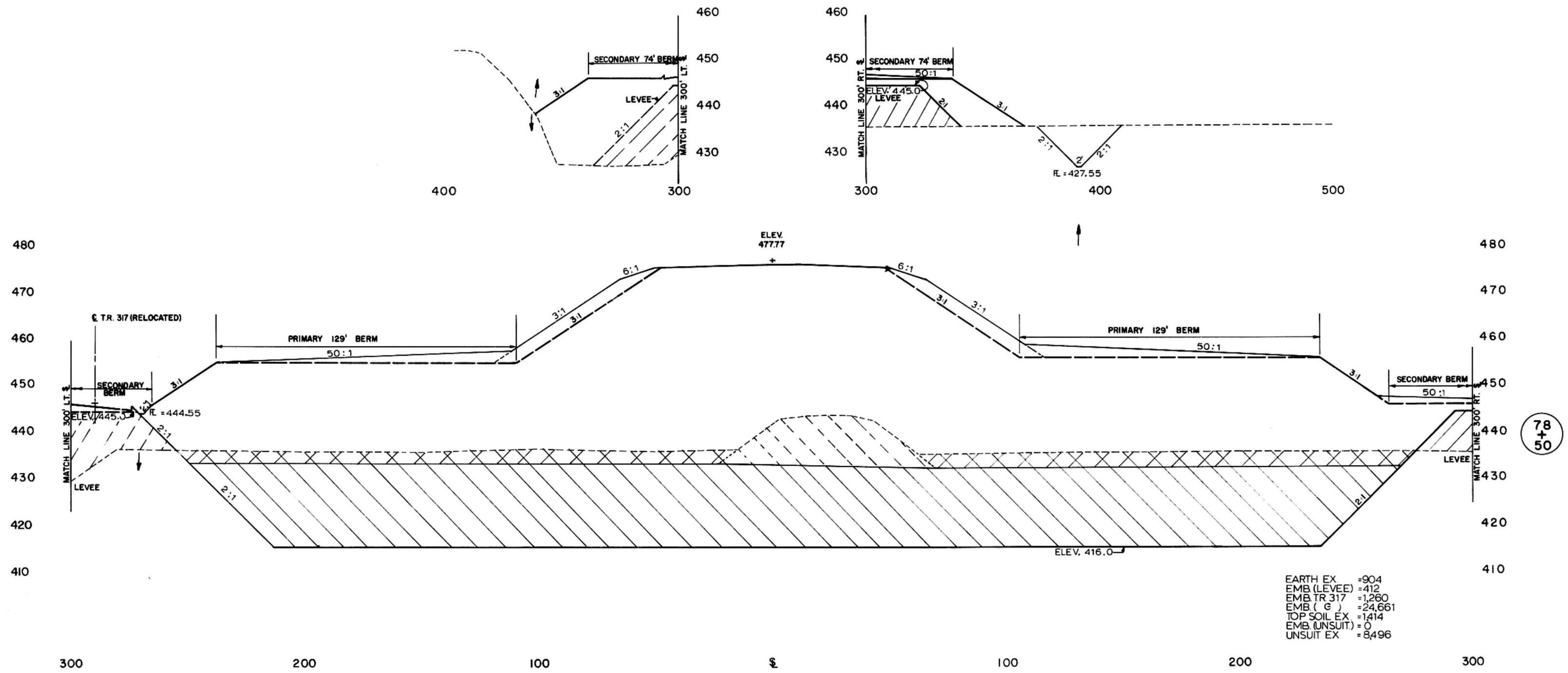
100

200

300

THE ENGINEERS COLLABORATIVE - CHICAGO, ILLINOIS

WEST APPROACH



300

200

100

±

100

200

F.A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
75	12 A	P. ORIA	58	47
STA. 79+00 TO STA. 80+00			ILLINOIS FED. AID PROJECT	

ALT. A GRANULAR FILL

450

440

430

400

300

ELEV.
484.75
+

E=439.00

MATCH LINE 300' LT. ±

2:1

50:1

PRIMARY BERM

50:1

MATCH LINE 300' RT.

3:1

5'

2:1

4'

2:1

E=427.10

490

480

470

460

450

440

430

80
+
00

± TR. 317

SECONDARY BERM
ELEV. 445.0

50:1

SECONDARY BERM
ELEV. 445.0

50:1

TEMPORARY LEVEE

TEMPORARY LEVEE

ELEV. 416.0

EARTH EX. =972
EMB (LEVEE) =740
EMB TR 317 =948
EMB (G) =20,123
TOP SOIL EX. =1044
UNSUIT. EX. =6,328

420

410

450

440

430

500

400

300

± TR. 317

ELEV. 445.0

R=438.50

2:1

TEMPORARY LEVEE

SLOPE TO DRAIN TO
MANHOLE LT. STA. 78+60±

MATCH LINE 280' LT.

2:1

REMOVAL OF
UNSUITABLE
MATERIALELEV.
479.90
+

50:1

PRIMARY BERM

50:1

MATCH LINE 280' RT.

50:1

ELEV. 445.0

3:1

5'

2:1

2:1

E=427.40

TEMPORARY LEVEE

450

440

430

420

410

79
+
00

MATCH LINE 280' LT.

SECONDARY BERM

R=444.70

50:1

TEMPORARY LEVEE

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SECONDARY BERM

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TEMPORARY LEVEE

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SECONDARY BERM

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TEMPORARY LEVEE

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SECONDARY BERM

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TEMPORARY LEVEE

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SECONDARY BERM

ELEV. 445.0

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TEMPORARY LEVEE

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300

200

100

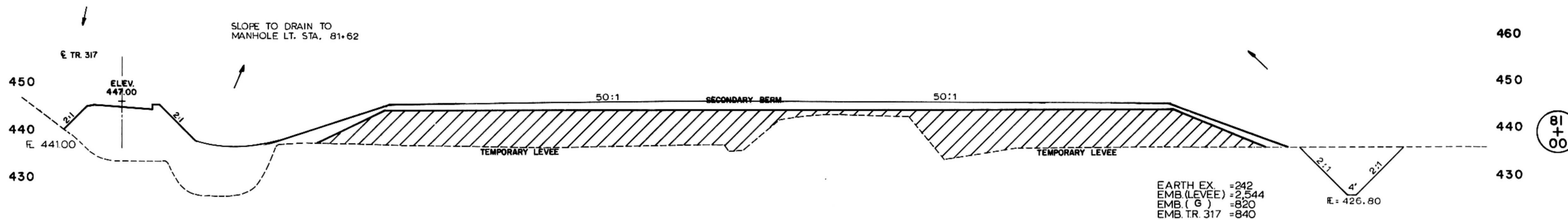
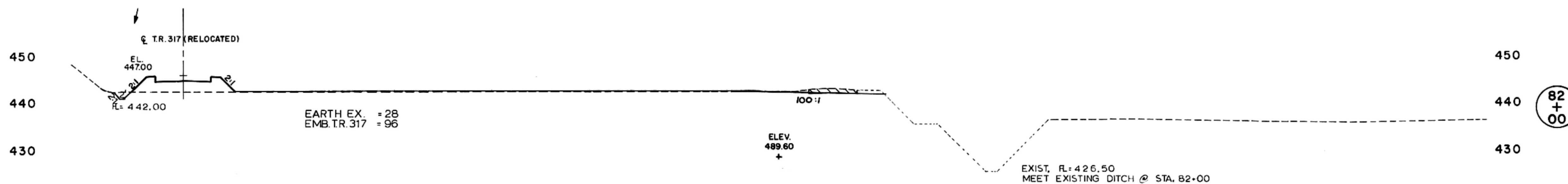
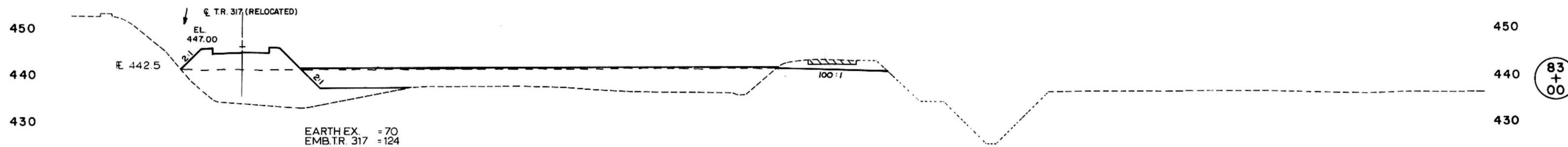
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100

200

F.A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
75	12 A	PEORIA	58	48
STA. 81+00		TO STA. 83+00		
FED. ROAD DIST.		ILLINOIS FED. AID PROJECT		

ALT. A GRANULAR FILL



300

200

100

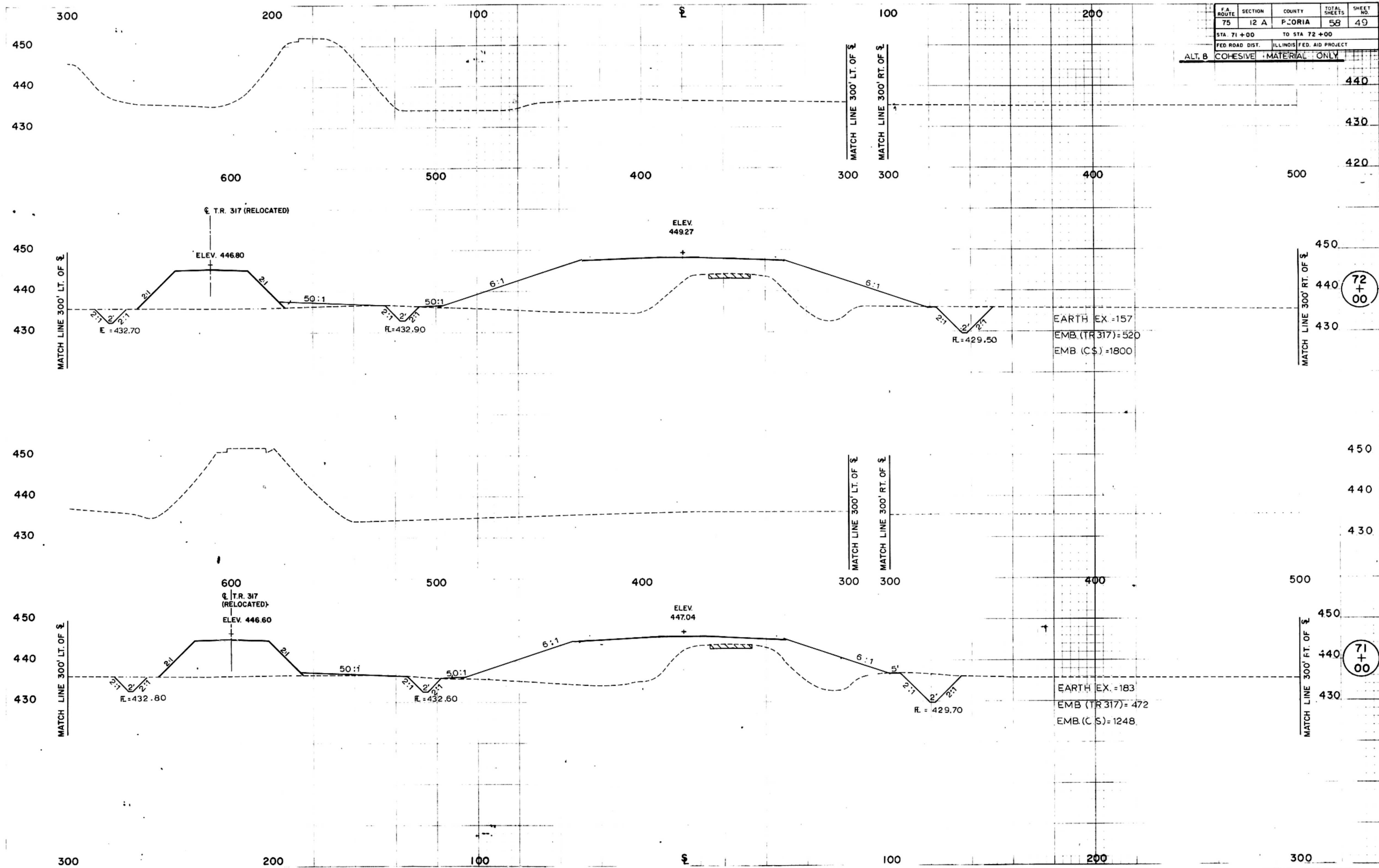
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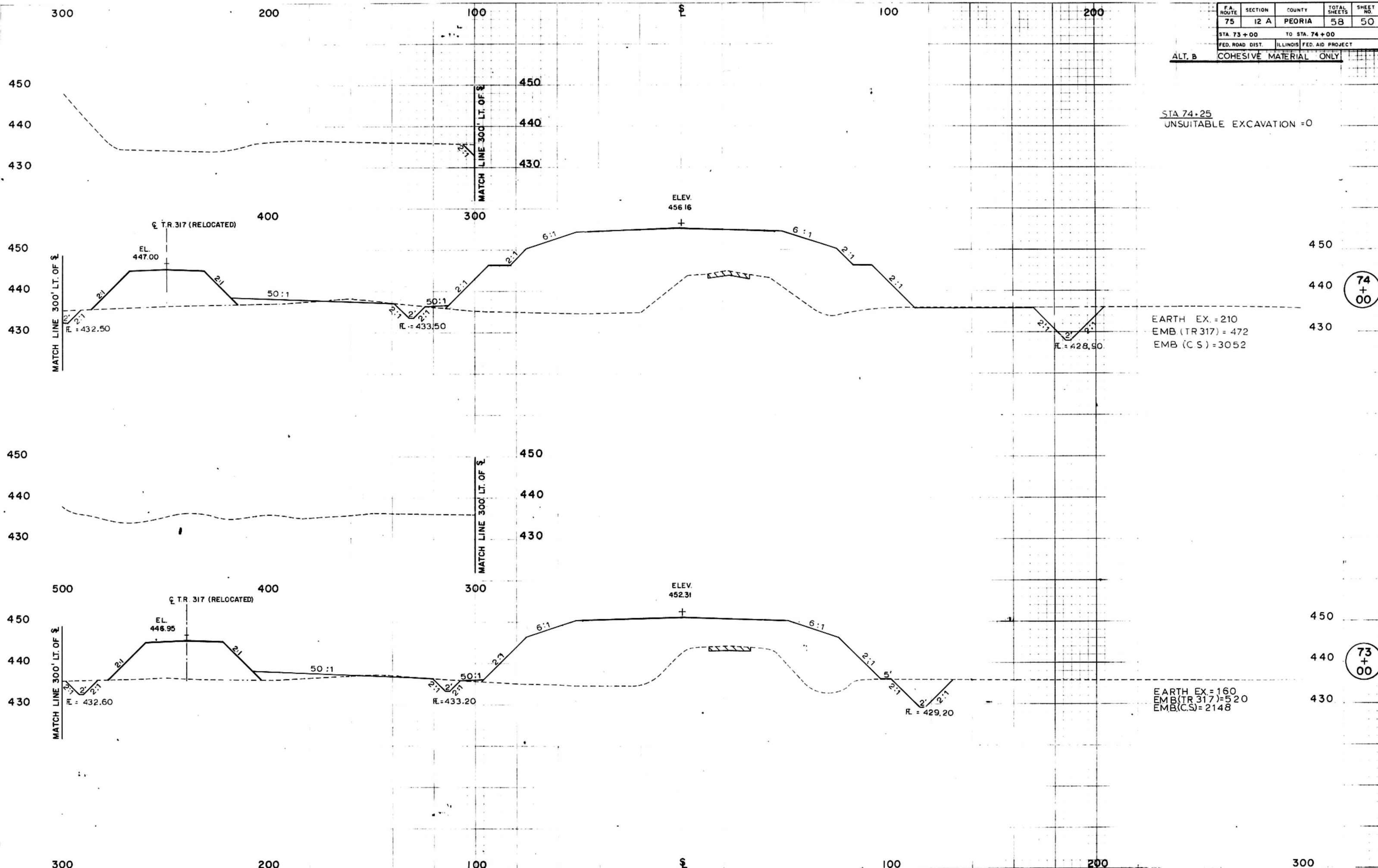
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300

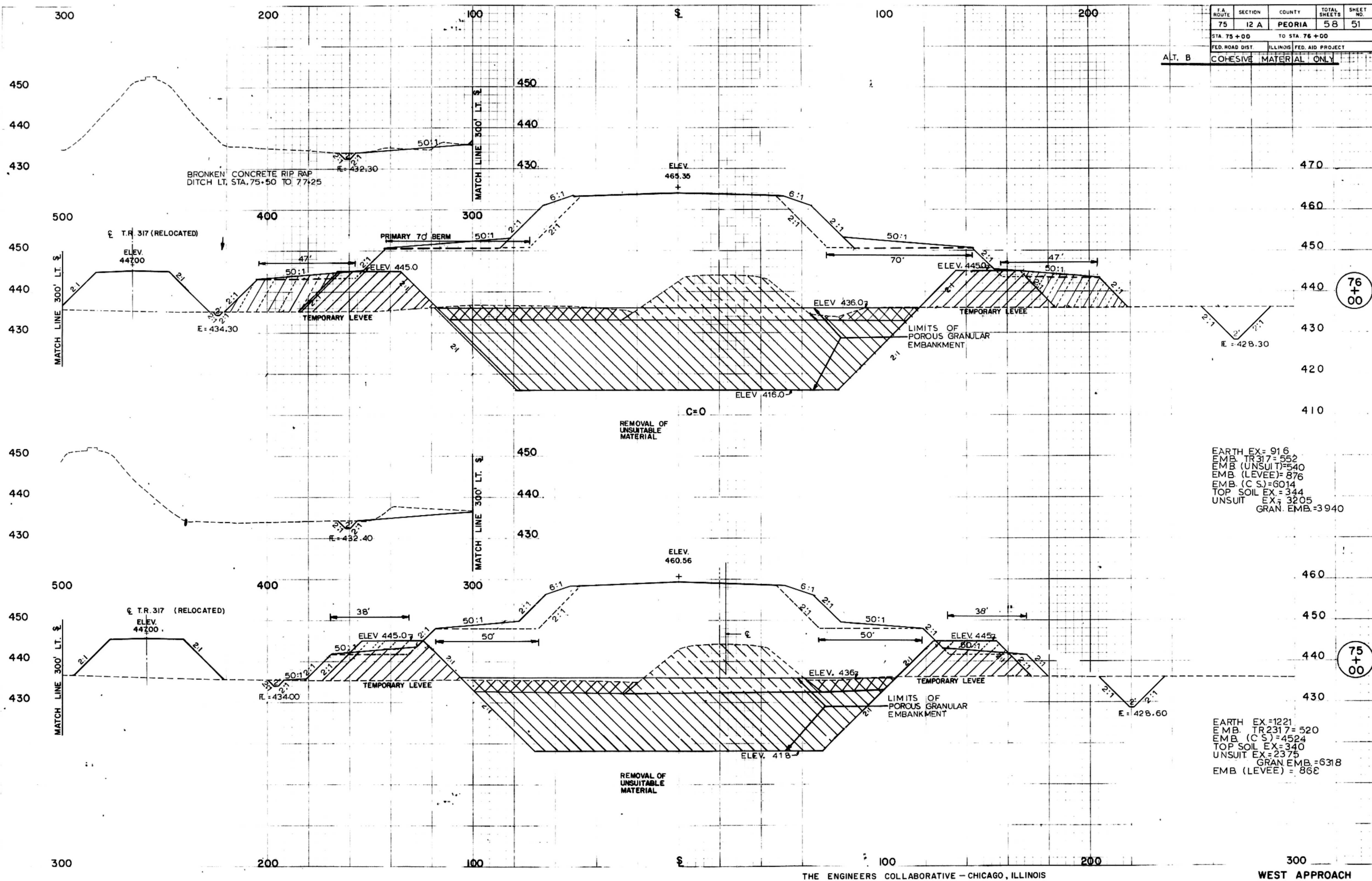
FA ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
75	12 A	FLORIDA	58	49
STA. 71 + 00 TO STA. 72 + 00				
FED. ROAD DIST. ILLINOIS FED. AID PROJECT				
ALT. B COHESIVE MATERIAL ONLY				



F.A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
75	12 A	PEORIA	58	50
STA. 73 + 00		TO STA. 74 + 00		
FED. ROAD DIST.		ILLINOIS	FED. AID PROJECT	
COHESIVE MATERIAL ONLY				



F.A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
75	12 A	PEORIA	58	51
STA. 75+00		TO STA. 76+00		
FED. ROAD DIST.		ILLINOIS FED. AID PROJECT		
ALT. B		COHESIVE MATERIAL ONLY		



300

200

100

0

100

200

STA	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
75	12 A	PEORIA	58	52
STA 77+00 TO STA 78+00				
FED. ROAD DIST. ILLINOIS FED. AID PROJECT				
ALT. B COHESIVE MATERIAL ONLY				

450

440

430

500

450

440

430

Q. TR. 317
SECONDARY BERM
E = 444.40

400

300

450

440

430

ELEV. 475.05

TEMPORARY LEVEE

ELEV. 445.07

ELEV. 436.07

ELEV. 445.07

LIMITS OF
POROUS GRANULAR
EMBANKMENT

ELEV. 416.07

REMOVAL OF
UNSUITABLE
MATERIAL

EARTH EX=840
EMB. TR 317 = 716
EMB. (LEVEE)=832
EMB. (UNSUIT)=2632
EMB. (CS)=9152
TOP SOIL EX=576
UNSUIT. EX = 3800
GRAN. EMB=4600

470

460

450

440

430

420

410

78
+
00

450

440

430

500

450

440

430

Q. TR. 317 (RELOCATED)

400

300

450

440

430

ELEV. 470.20

TEMPORARY LEVEE

ELEV. 445.07

ELEV. 436.07

ELEV. 445.07

LIMITS OF
POROUS GRANULAR
EMBANKMENT

ELEV. 416.07

REMOVAL OF
UNSUITABLE
MATERIAL

EARTH EX=910
EMB. TR 317-524
EMB. LEVEE=848
EMB. (UNSUIT)=1528
EMB. (CS)=7612
TOPSOIL EX=520
UNSUIT. EX=3502
GRAN. EMB=4240

480

470

460

450

440

430

420

410

77
+
00

300

200

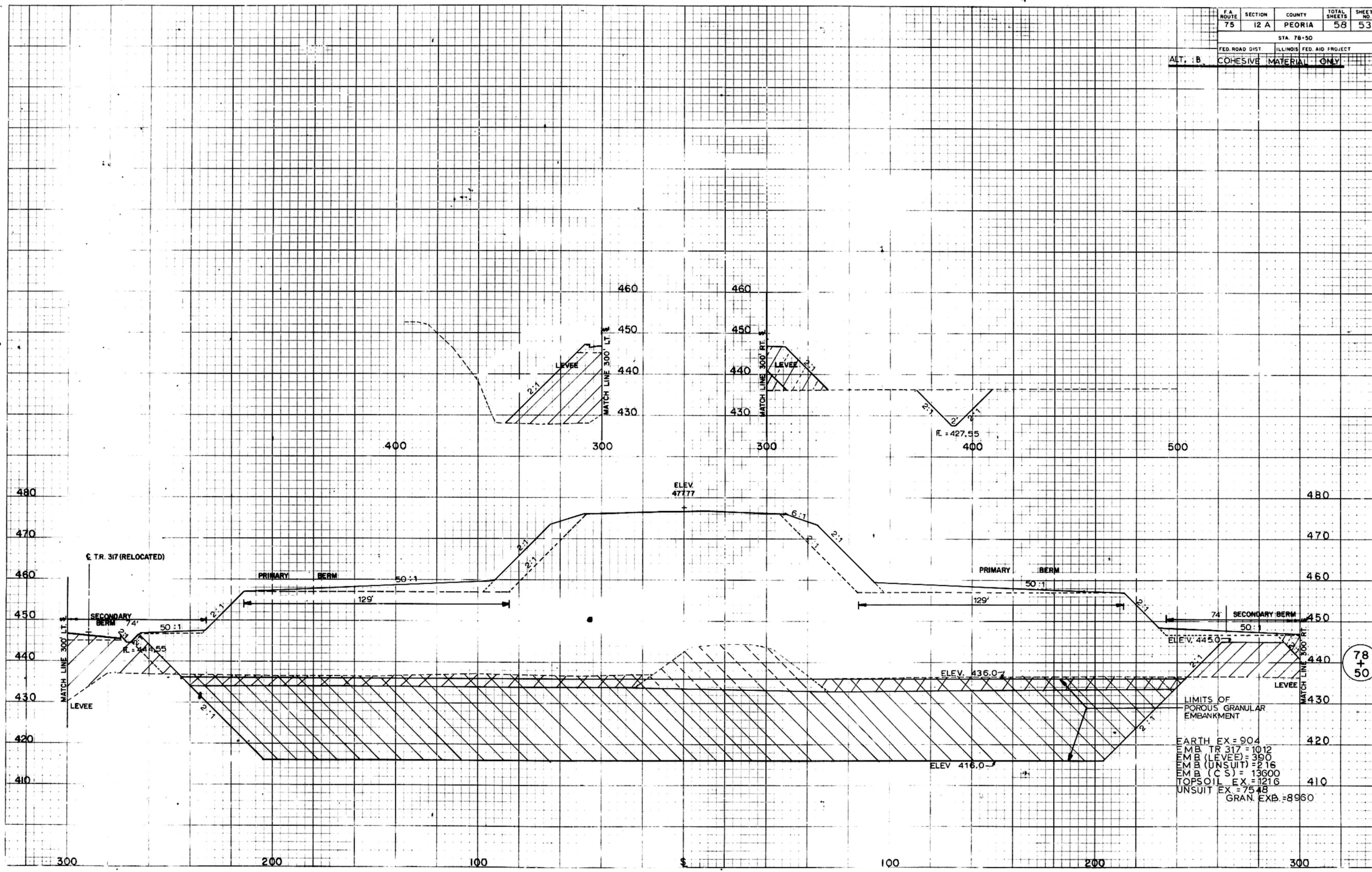
100

0

100

200

300



SURVEY
 NO.
 DATE
 BY

SURVEY
 NO.
 DATE
 BY

300

200

100

E

100

200

FA ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
75	12 A	PEORIA	58	55
STA. 81+00 TO STA. 83+00				
FED. ROAD DIST. ILLINOIS FED. AID PROJECT				
ALT. B COHESIVE MATERIAL ONLY				

450

440

430

E T.R. 317 (RELOCATED)

EL. 447.00

E = 442.50

EARTH EX. = 70
EMB. TR. 317 = 180

450

440

430

83
+
00STA. 82+00 AND 83+00
FOR QUANTITIES SEE SHEET NO.

450

440

430

E T.R. 317 (RELOCATED)

EL. 447.00

E = 442.00

EARTH EX. = 28
EMB. TR. 317 = 96

450

440

430

82
+
00ELEV.
489.60
+EXIST. E. 426.50
MEET EXISTING DITCH @ STA. 82+00

480

470

460

450

440

430

81
+
00SLOPE TO DRAIN TO
MANHOLE @ LT. STA. 81+62

E T.R. 317

ELEV. 447.00

E = 441.00

450

440

430

50:1

SECONDARY BERM

50:1

TEMPORARY LEVEE

TEMPORARY LEVEE

E = 426.80

EARTH EX. = 242
EMB. (LEVEE) = 2040
EMB. (C.S.) = 1168
EMB. (TR 317) = 840

300

200

100

E

100

200

300

THE ENGINEERS COLLABORATIVE - CHICAGO, ILLINOIS

WEST APPROACH

REV. 2/24/76

300

200

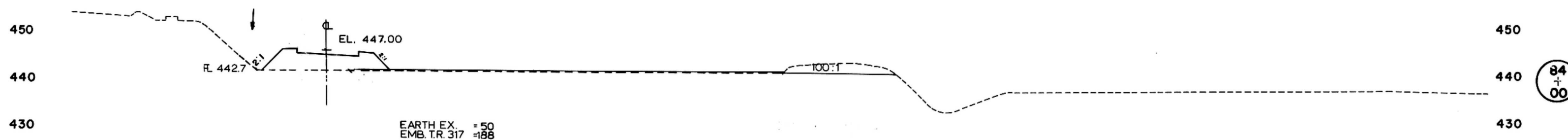
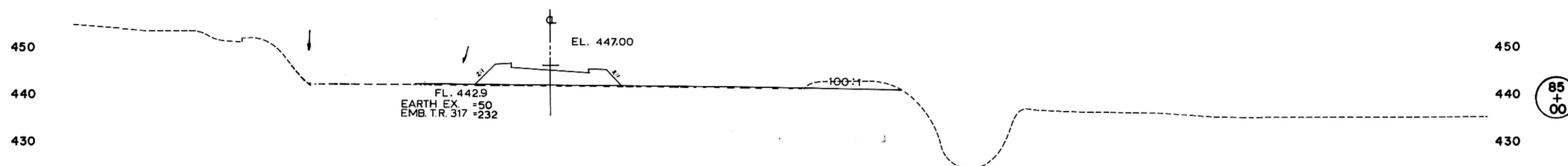
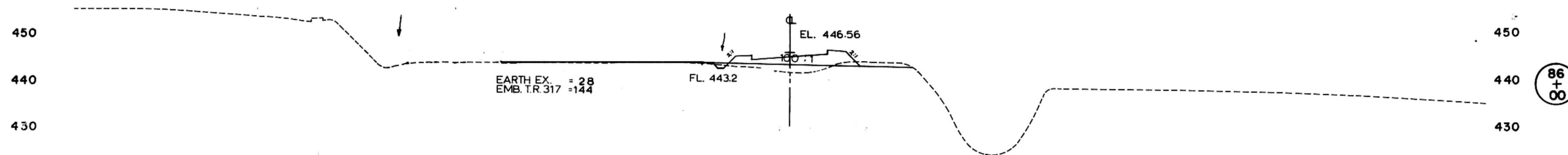
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100

200

F.A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
75	12 A	PEORIA	58	56
STA. 84 + 00 TO STA. 86 + 00				
FED. ROAD DIST.		ILLINOIS	FED. AID PROJECT	



300

200

100

±

100

200

300

300

200

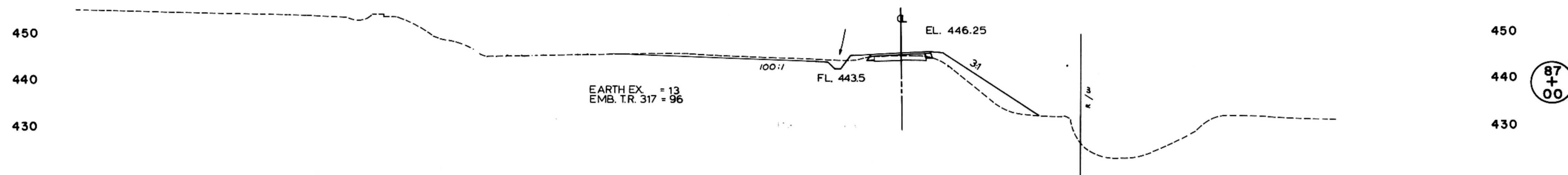
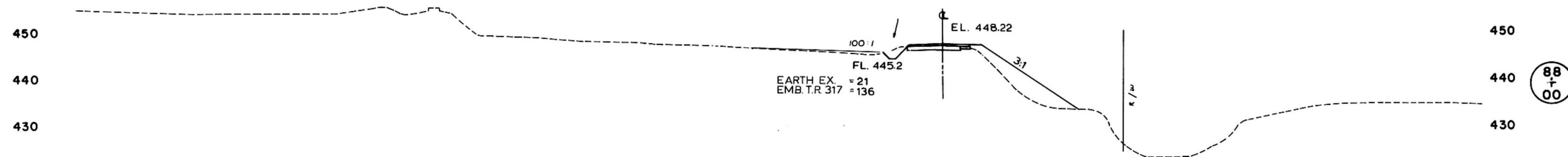
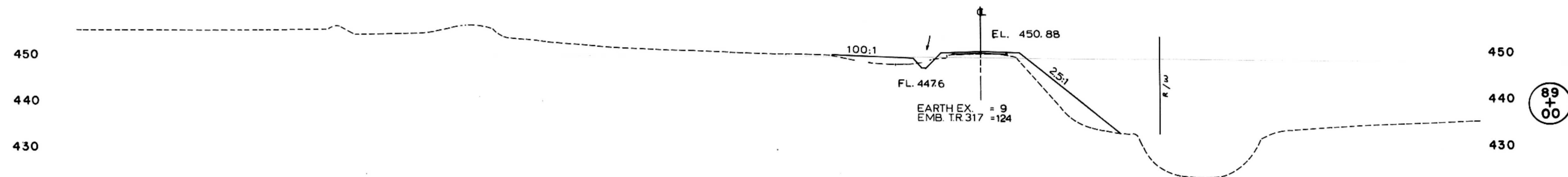
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F.A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
75	12 A	PEORIA	58	57
STA. 87+00 TO STA. 89+00				
FED. ROAD DIST.		ILLINOIS	FED. AID PROJECT	



300

200

100

1

100

200

300

THE ENGINEERS COLLABORATIVE - CHICAGO, ILLINOIS

WEST APPROACH

Rev. 2/24/76

300

200

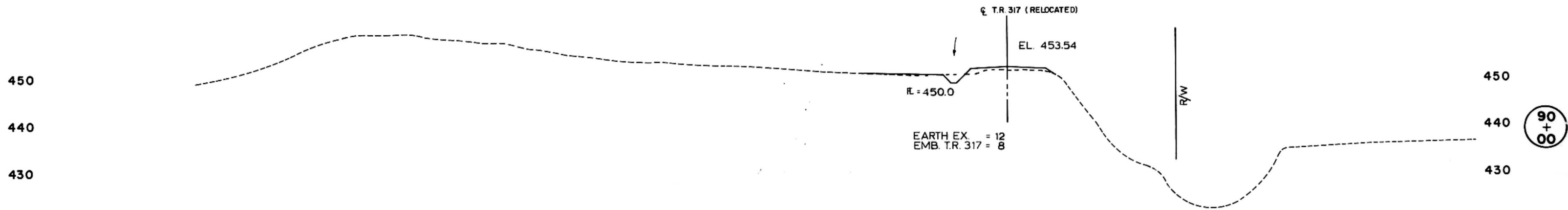
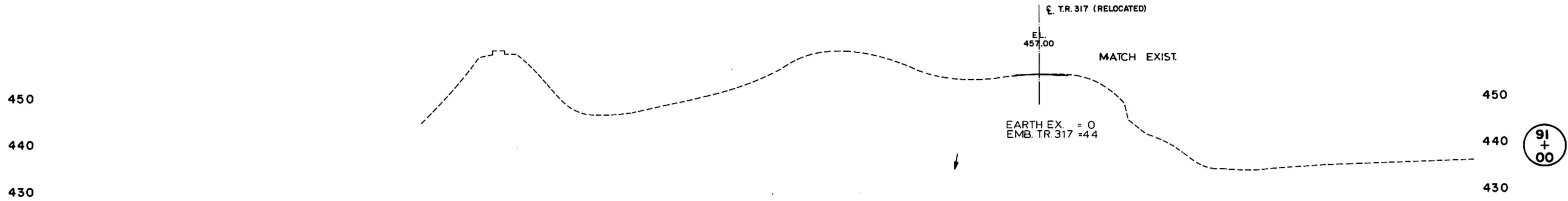
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F.A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
75	12 A	PEORIA	58	58
STA. 90 + 00		TO STA. 91 + 00		
FED. ROAD DIST.		ILLINOIS	FED. AID PROJECT	



300

200

100

±

100

200

300