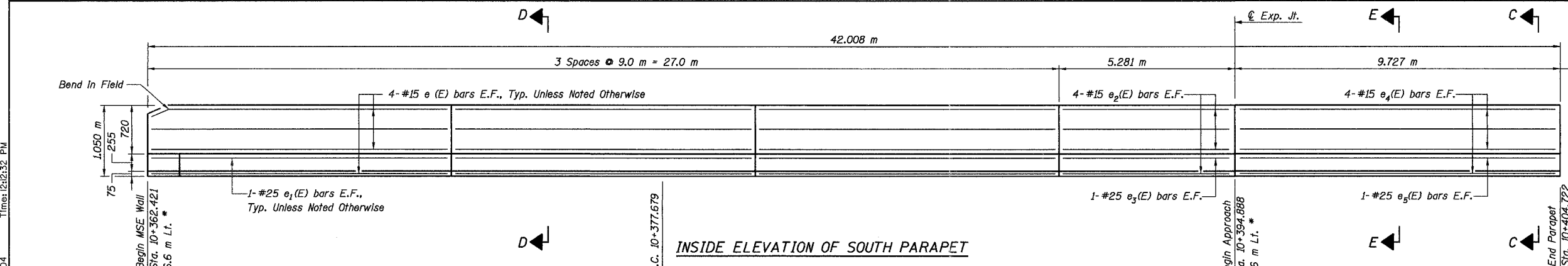
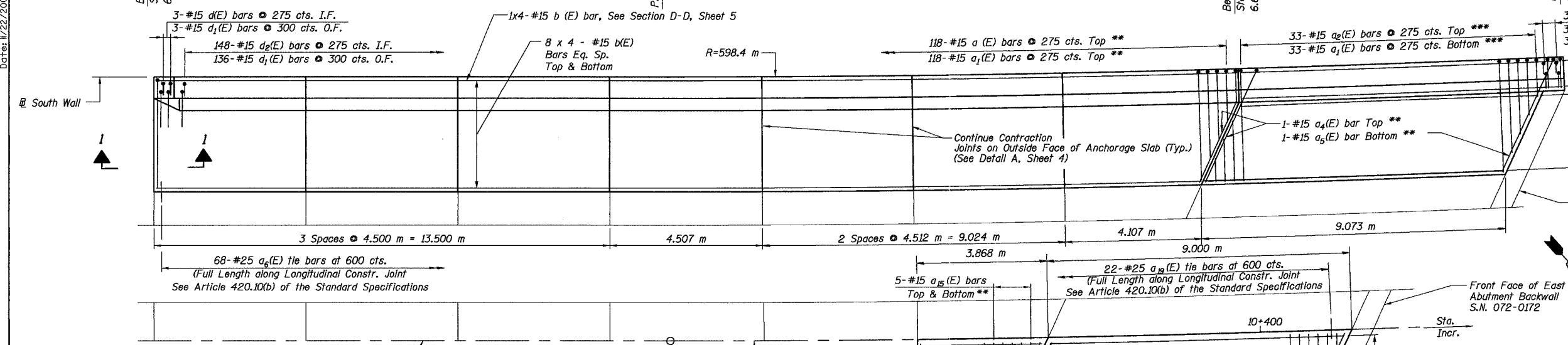


ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	601	1360
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 68200



Aluminum Sheeted Expansion Joints in Parapet (See Detail A, Sheet 4) Exclude at Beginning Approach Pavement Dimensions Along @ Wall

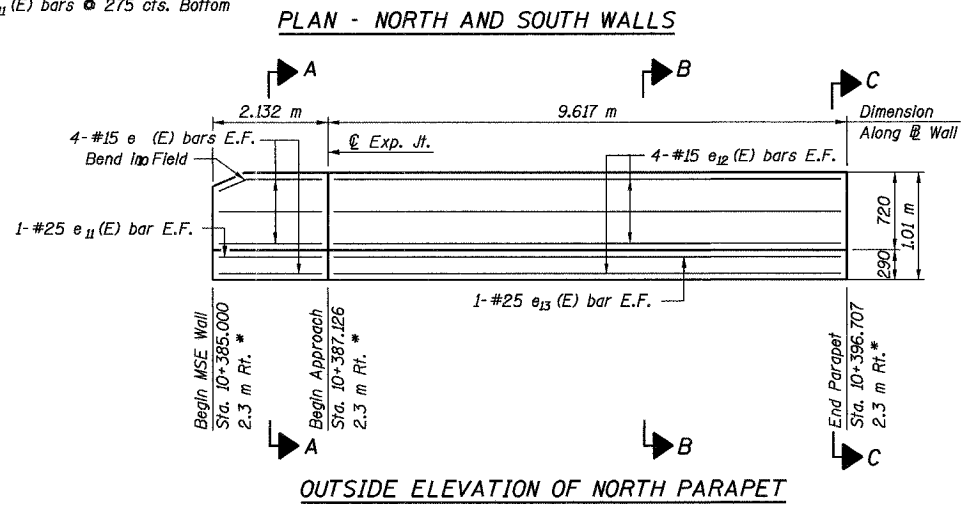


Notes:
 See Sheet 5 for Sections A-A thru E-E.
 See Sheet 7 for View 1-1.
 Contraction Joints in Anchorage Slab shall be perpendicular to @ Ramp A-3.
 Reinforcement bars designated (E) shall be epoxy coated.
 Bars indicated thus 20 x 3-#15 etc. indicates 20 lines of bars with 3 lengths per line.
 All dimensions are in millimeters (mm) except as noted.
 For Bill of Materials, see Sheet 4.

JOINT DATA

	South Wall			North Wall		
	Station Ramp A-3	Edge of Pavement Elevation	B/Coping Line Elevation	Station Ramp A-3	Edge of Pavement Elevation	B/Coping Line Elevation
Begin South Wall	10+362.421	195.564	194.956	—	—	—
Joint	10+366.921	195.834	195.226	—	—	—
Joint	10+371.421	196.104	195.496	—	—	—
Joint	10+375.921	196.374	195.766	—	—	—
Joint	10+380.451	196.646	196.038	—	—	—
Joint/Begin North Wall	10+385.000	196.919	196.311	10+385.000	197.086	196.454
Joint	10+389.549	197.192	196.584	N/A	N/A	N/A
Begin Approach	10+394.888	197.512	196.904	10+387.126	197.214	196.582
End Parapet/FF Backwall	10+404.722	198.096	197.496	10+396.707	197.788	197.192

* Station and offset refer to @ Ramp A-3
 ** Cut or Bend In Field to fit
 *** Order a1(E), a2(E), a12(E) and a13(E) bars Full Length. Cut to Fit Skew and use Remainder of bars in Opposite End of Approach Pavement



Designed by: WEE/EI
 Checked by: AK/CTJ
 Drafted by: RKS
 Checked by: AK/CTJ

REVISION	DATE	DESCRIPTION
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		
ANCHORAGE SLABS AND PARAPETS		
MSE WALL NO. 8A - RAMP A-3 F.A.I. ROUTE 74 SECTION (72-7)R-3 PEORIA COUNTY STA. 10+362.421 TO STA 10+408.988 (RAMP A-3) STRUCTURE NUMBER 072-8557		
PARSONS TRANSPORTATION GROUP CHICAGO, ILLINOIS		
DRAWING NO. 3	SCALE N.T.S.	DATE 6/25/04
		SHEET NO. 3

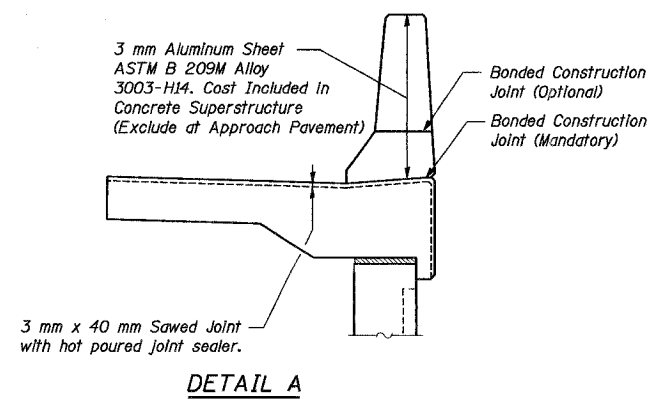
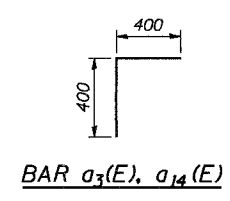
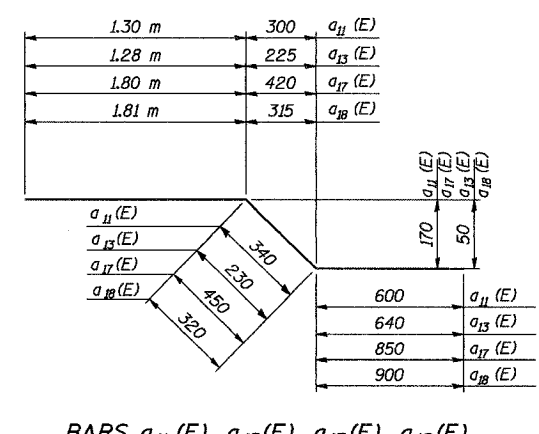
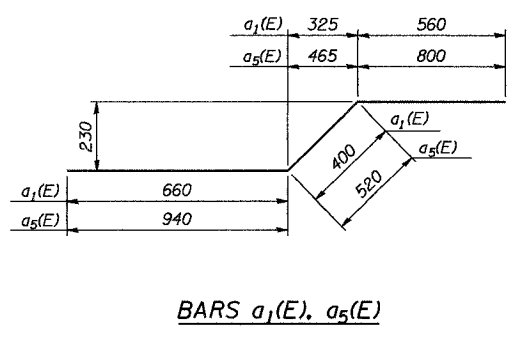
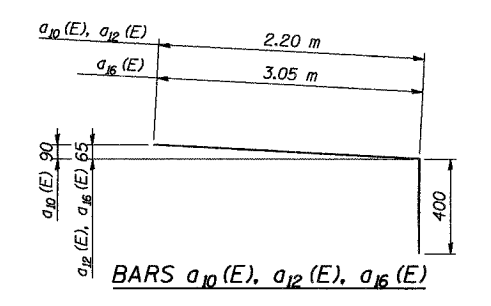
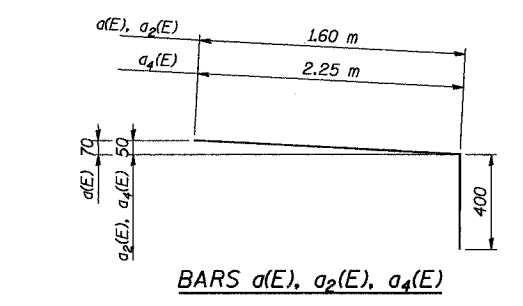
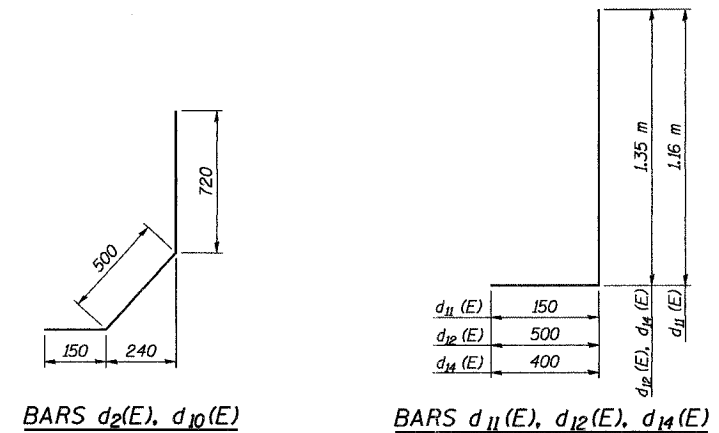
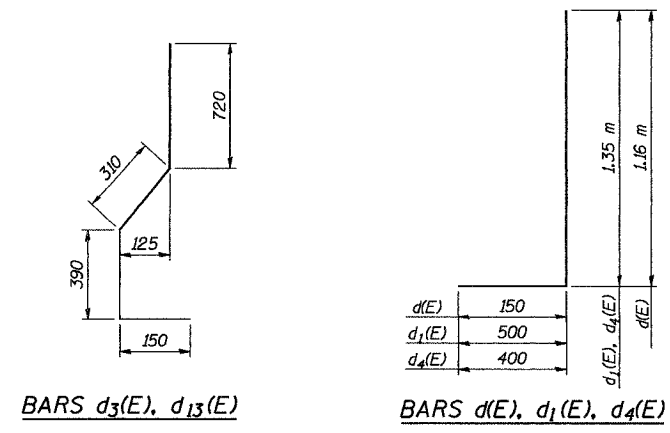
ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	602	1360
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 68200	

BILL OF MATERIAL
South Wall

Bar	No.	Size	Length (m)	Shape
a(E)	118	15	2.00	┌
a ₁ (E)	151	15	1.62	┌
a ₂ (E)	33	15	2.00	┌
a ₃ (E)	3	15	0.80	┌
a ₄ (E)	3	15	2.65	┌
a ₅ (E)	3	15	2.26	┌
a ₆ (E)	68	25	0.60	—
b(E)	68	15	8.55	—
b ₁ (E)	10	15	8.97	—
b ₂ (E)	7	15	9.62	—
d(E)	3	15	1.31	┘
d ₁ (E)	139	15	1.85	┘
d ₂ (E)	148	15	1.37	┘
d ₃ (E)	3	15	1.57	┘
d ₄ (E)	3	15	1.75	┘
e(E)	24	15	8.90	—
e ₁ (E)	6	25	8.90	—
e ₂ (E)	8	15	5.18	—
e ₃ (E)	2	25	5.18	—
e ₄ (E)	8	15	9.62	—
e ₅ (E)	2	25	9.62	—
Reinforcement Bars, Epoxy Coated		kg	3800	
Concrete Structures		m ³	39.8	
Concrete Superstructure		m ³	12.9	

BILL OF MATERIAL
North Wall

Bar	No.	Size	Length (m)	Shape
a ₉ (E)	9	25	2.60	┌
a ₁₁ (E)	9	20	2.24	┌
a ₁₂ (E)	34	25	2.60	┌
a ₁₃ (E)	34	20	2.15	┌
a ₁₄ (E)	3	15	0.80	┌
a ₁₅ (E)	10	15	1.80	┌
a ₁₆ (E)	3	25	3.45	┌
a ₁₇ (E)	1	20	3.10	┌
a ₁₈ (E)	2	20	3.03	┌
a ₁₉ (E)	22	25	0.60	—
b ₃ (E)	21	15	3.75	—
b ₄ (E)	14	15	8.90	—
b ₅ (E)	7	15	9.51	—
d ₅ (E)	39	15	1.37	┘
d ₆ (E)	3	15	1.31	┘
d ₇ (E)	38	15	1.85	┘
d ₈ (E)	3	15	1.57	┘
d ₉ (E)	3	15	1.75	┘
e ₆ (E)	8	15	2.03	—
e ₇ (E)	2	25	2.03	—
e ₈ (E)	8	15	9.51	—
e ₉ (E)	2	25	9.51	—
Reinforcement Bars, Epoxy Coated		kg	1690	
Concrete Structures		m ³	11.0	
Concrete Superstructure		m ³	3.6	



Notes:
Reinforcement bars designated (E) shall be epoxy coated.
All dimensions are in millimeters (mm) except as noted.

REVISION	DATE	DESCRIPTION
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION ANCHORAGE SLAB AND PARAPET REINFORCING DETAILS I MSE WALL NO. 8A - RAMP A-3 F.A.I. ROUTE 74 SECTION (72-7)R-3 PEORIA COUNTY STA. 10+362.421 TO STA 10+408.988 (RAMP A-3) STRUCTURE NUMBER 072-8557 PARSONS TRANSPORTATION GROUP CHICAGO, ILLINOIS		
DRAWING NO.	SCALE	DATE
4	N.T.S.	6/25/04
SHEET NO.		4

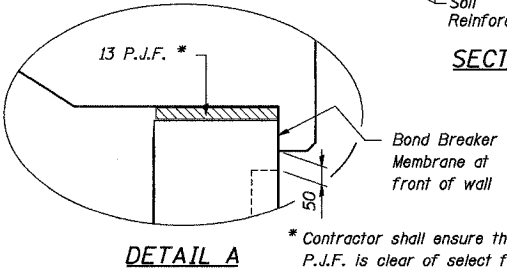
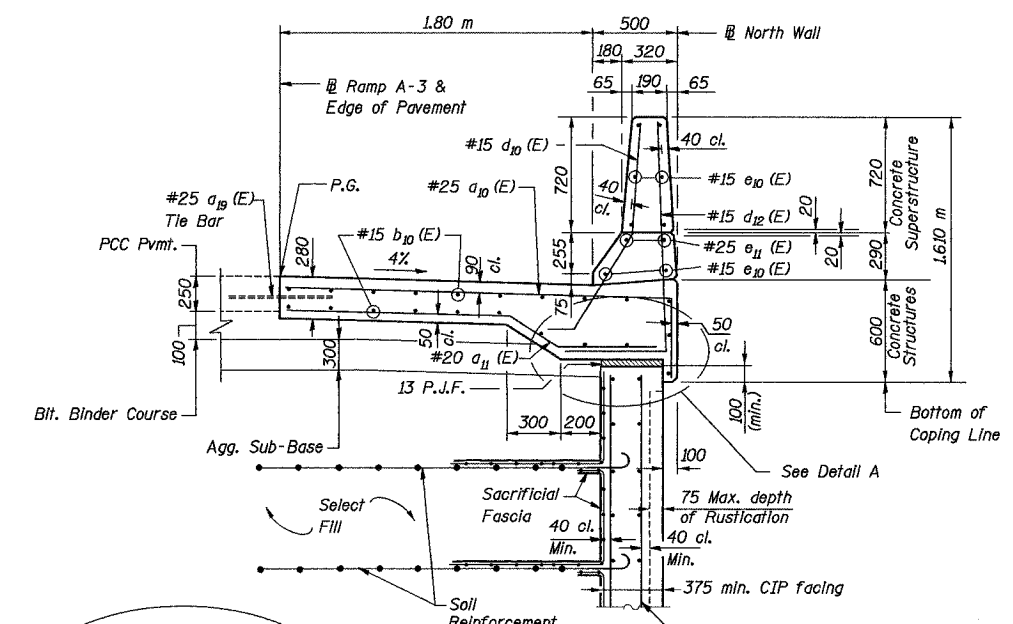
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Designed by: WEE
Checked by: AK
Drafted by: WEE
Checked by: AK

ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	623	1360
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 68200

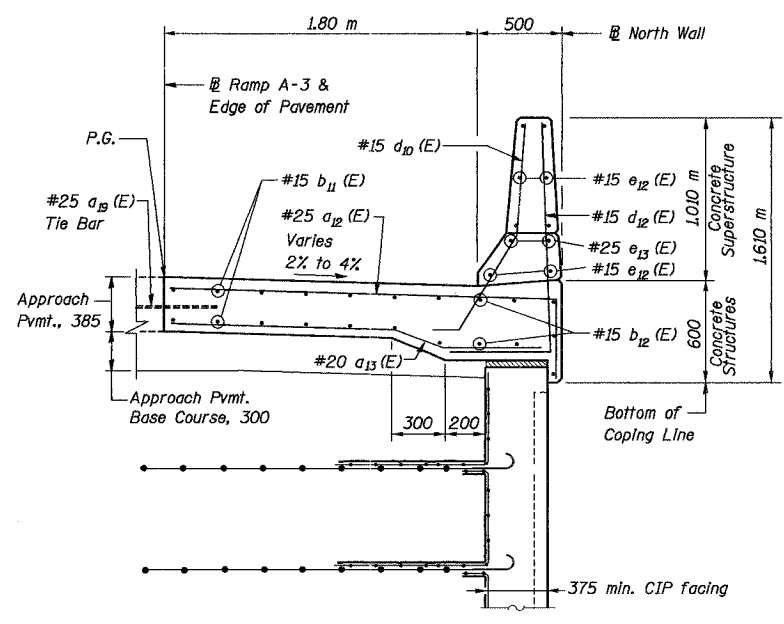
Notes: All dimensions are in millimeters (mm) except as noted.
All provided cross slopes are measured perpendicular to @ Ramp A-3



SECTION A-A

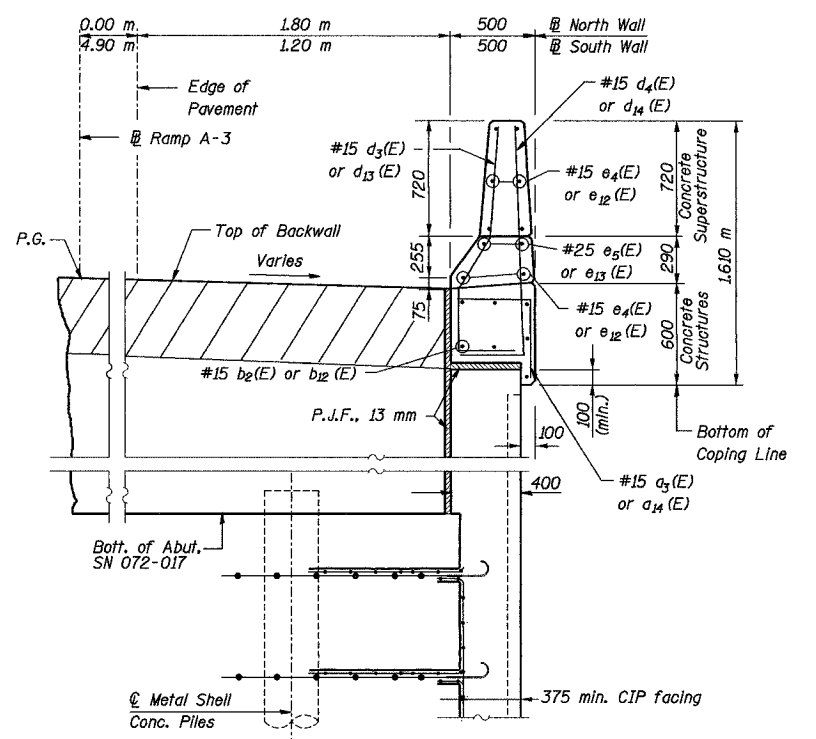
#15 @ 450 cts. E.W., E.F., Typ. (Min. Reinforcement). Cost of reinforcement included with MSE Wall with CIP facing.

* Contractor shall ensure that the top of P.J.F. is clear of select fill or other debris before placing anchorage slab concrete.



SECTION B-B

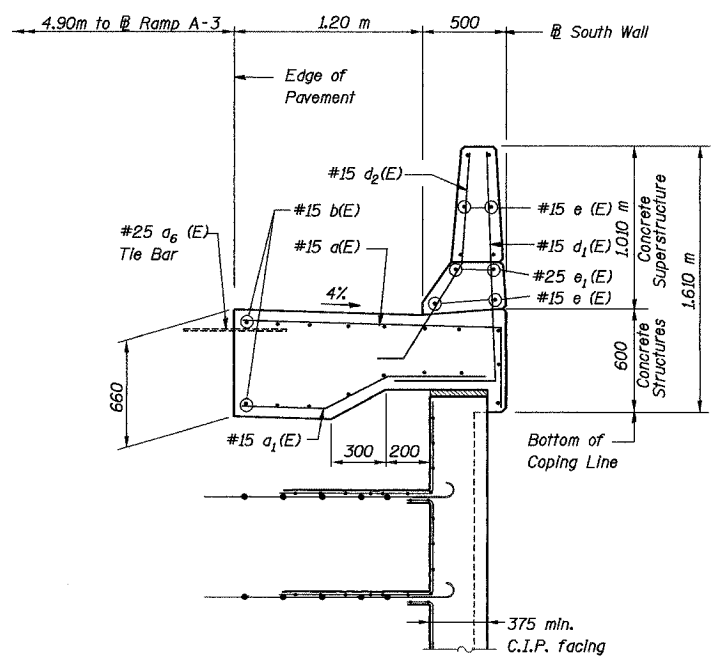
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SECTION C-C

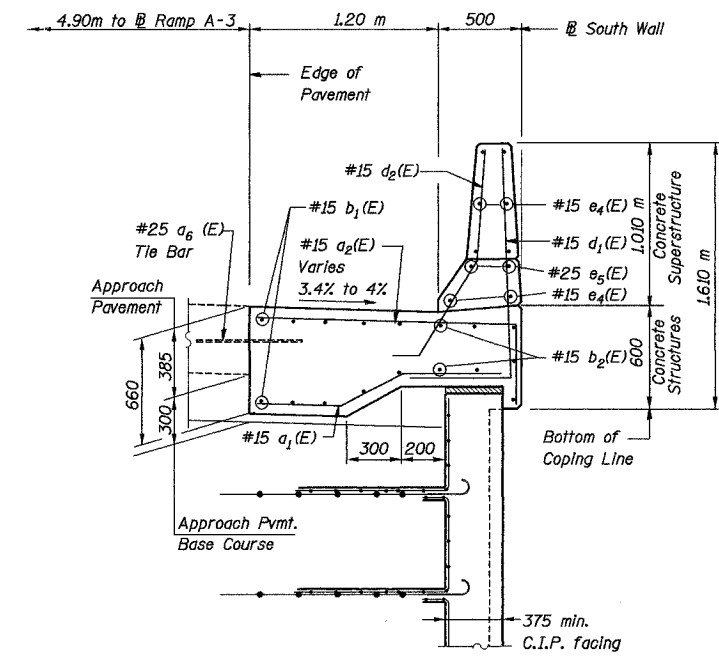
Details Not Shown Similar to Section A-A

Note: Hatched area to be poured after SN 072-0172 Structure forms have been removed.



SECTION D-D

Details Not Shown Similar to Section A-A



SECTION E-E

Details Not Shown Similar to Section A-A

REVISION	DATE	DESCRIPTION
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		
ANCHORAGE SLAB AND PARAPET REINFORCING DETAILS II		
MSE WALL NO. 8A - RAMP A-3 F.A.I. ROUTE 74 SECTION (72-7)R-3 PEORIA COUNTY STA. 10+362.421 TO STA 10+408.988 (RAMP A-3) STRUCTURE NUMBER 072-8557		
PARSONS TRANSPORTATION GROUP CHICAGO, ILLINOIS		
DRAWING NO. 5	SCALE N.T.S.	DATE 6/25/04
		SHEET NO. 5

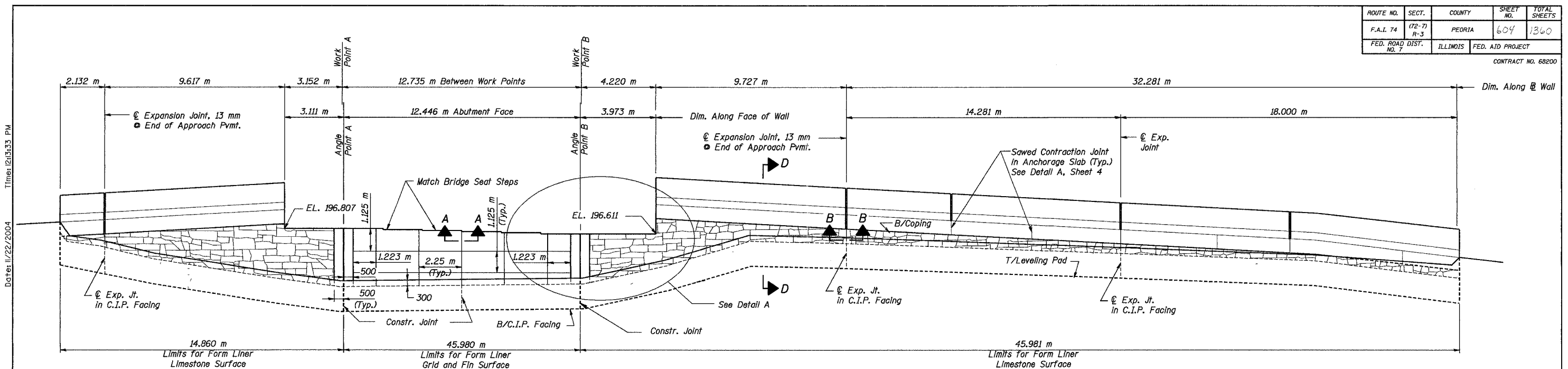
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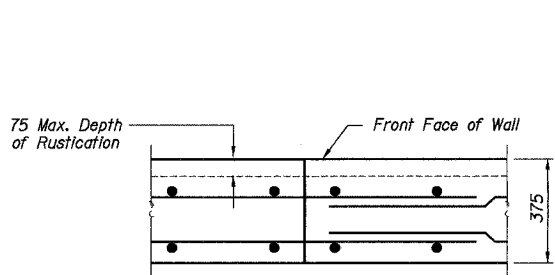
Designed by: WEE
Checked by: AK
Drafted by: RKS
Checked by: AK/CTJ

ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	604	1360
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

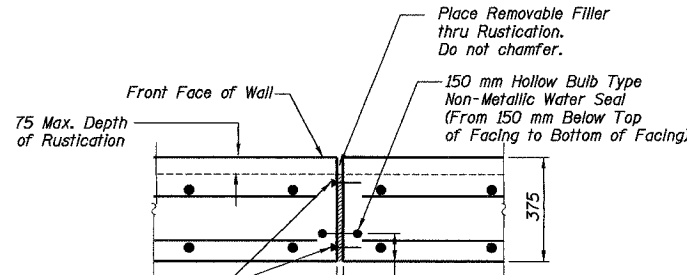
CONTRACT NO. 68200



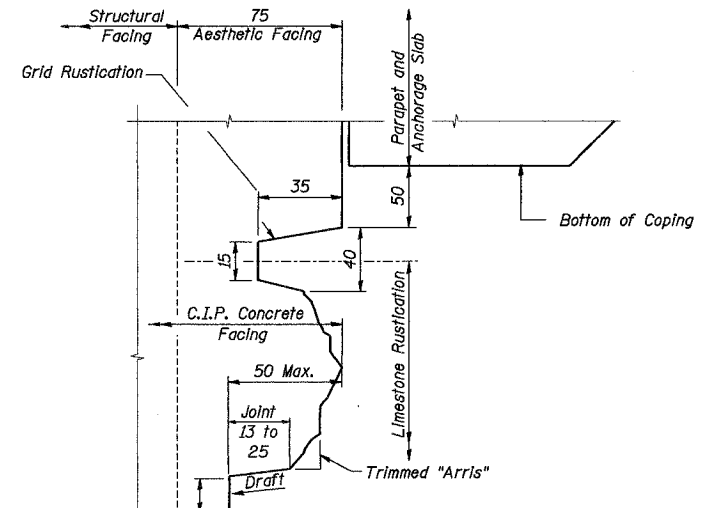
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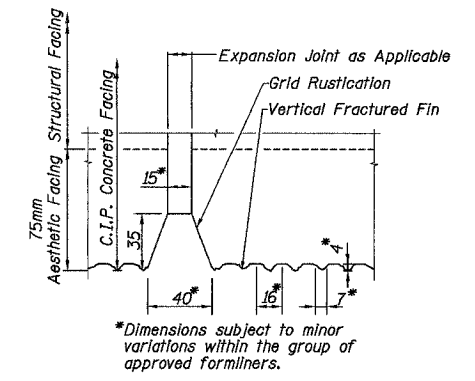
SECTION A-A
Typical Construction Joint



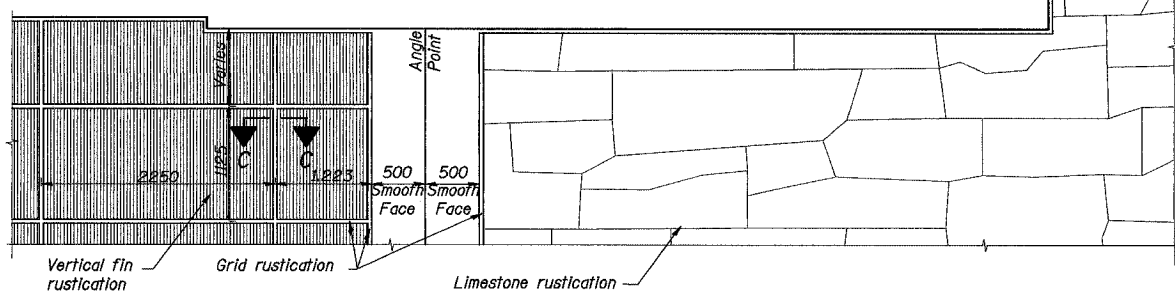
SECTION B-B
Typical Expansion Joint



SECTION D-D



SECTION C-C



DETAIL A

REVISION	DATE	DESCRIPTION
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		
AESTHETIC DETAILS		
MSE WALL NO. 8A - RAMP A-3 F.A.I. ROUTE 74 SECTION (72-7)R-3 PEORIA COUNTY STA. 10+362.421 TO STA 10+408.988 (RAMP A-3) STRUCTURE NUMBER 072-8557		
PARSONS TRANSPORTATION GROUP CHICAGO, ILLINOIS		
DRAWING NO. 6	SCALE N.T.S.	DATE 6/25/04
		SHEET NO. 6

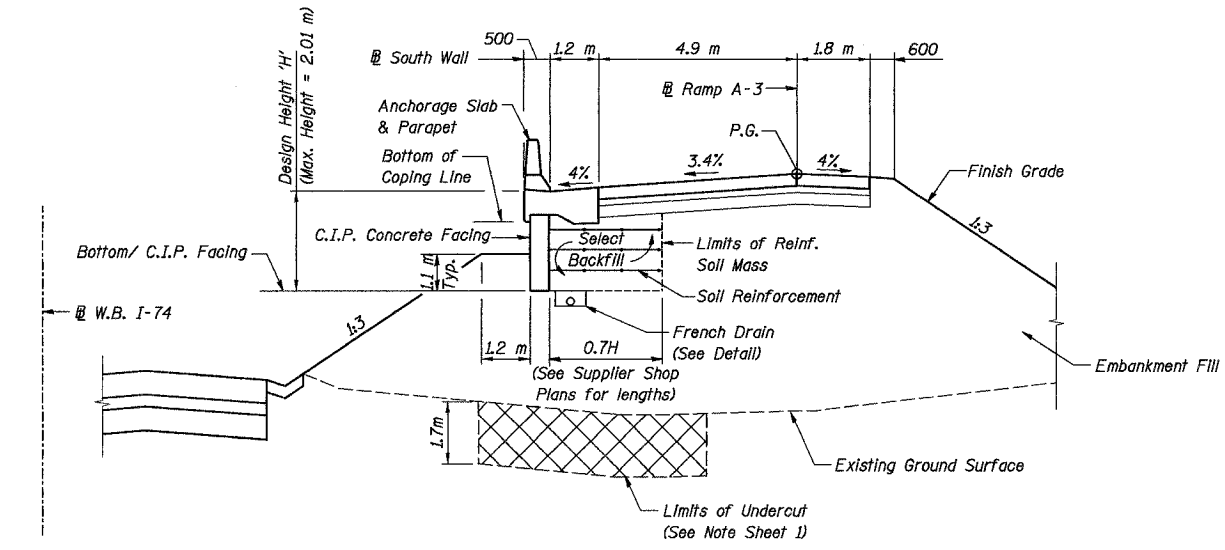
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Designed by: WEE
 Checked by: AK/CTJ
 Drafted by: RKS
 Checked by: AK/CTJ

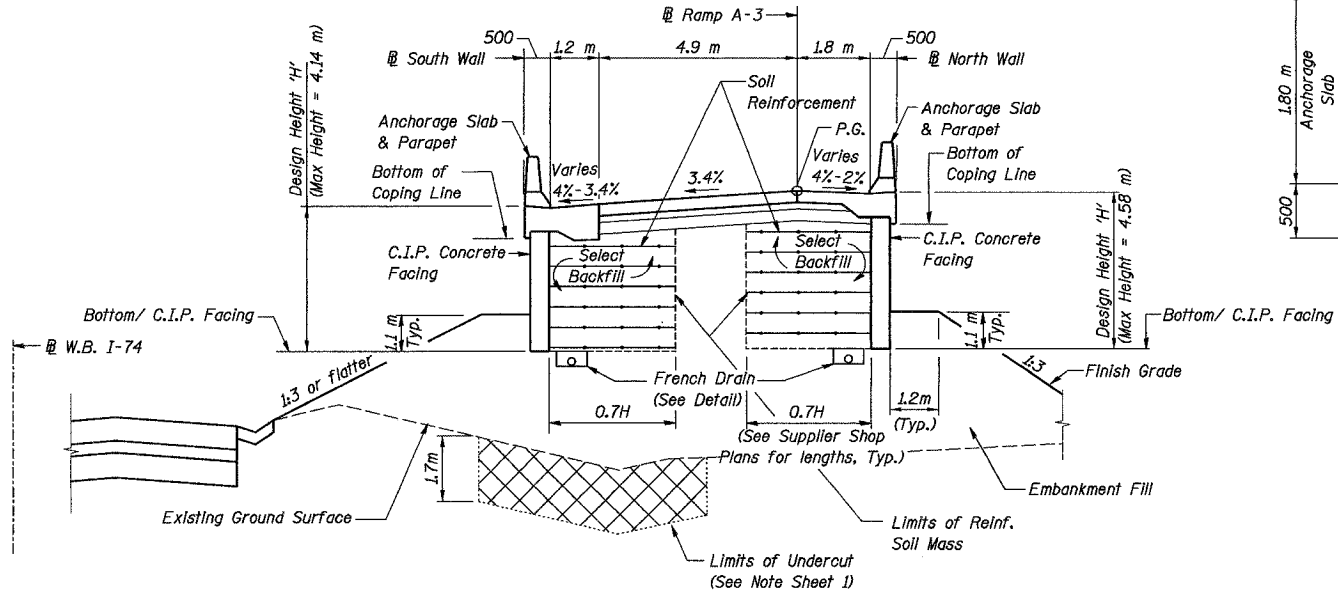
Note: All dimensions are in millimeters (mm) except as noted.

ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	605	1300
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

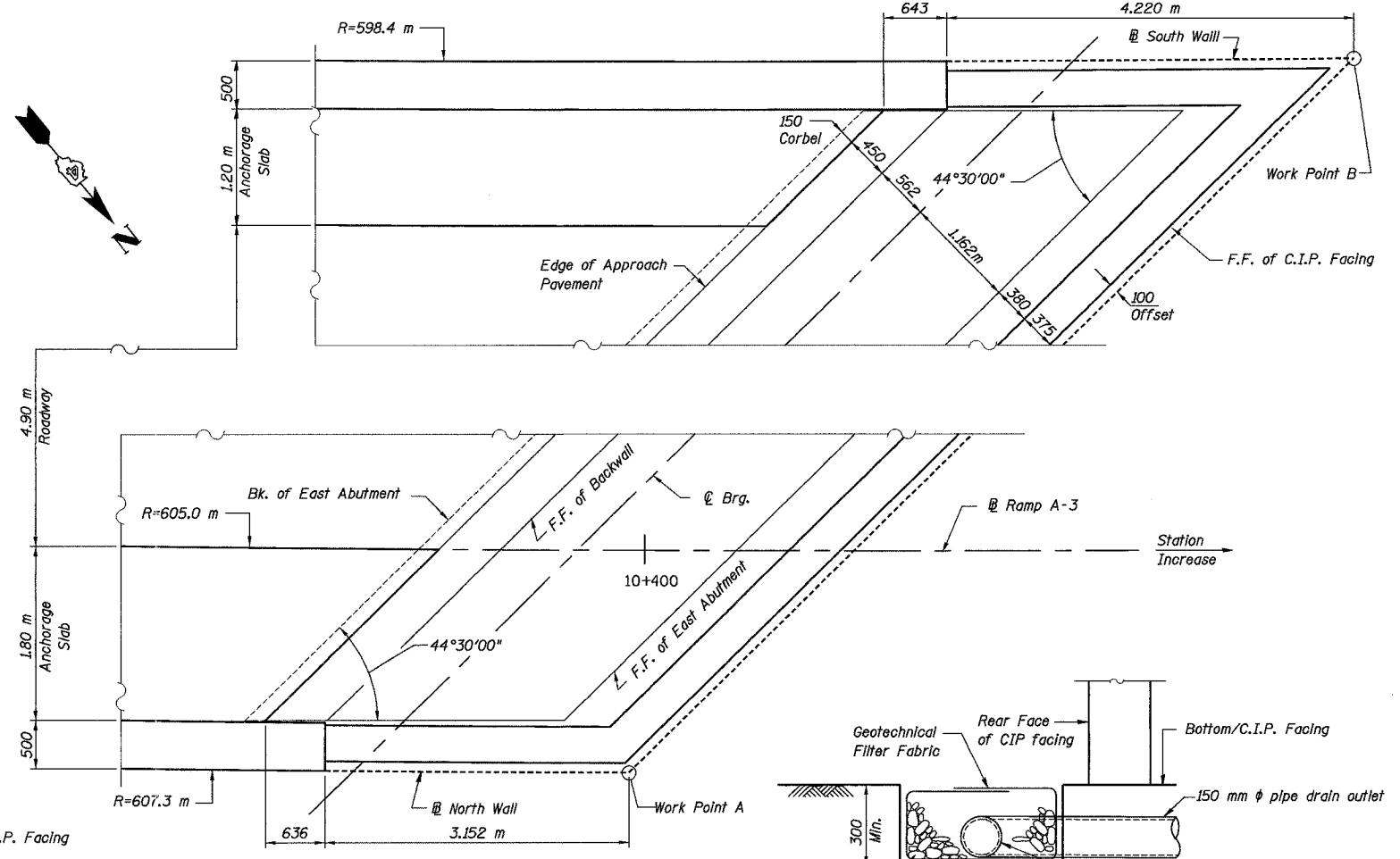
CONTRACT NO. 68200



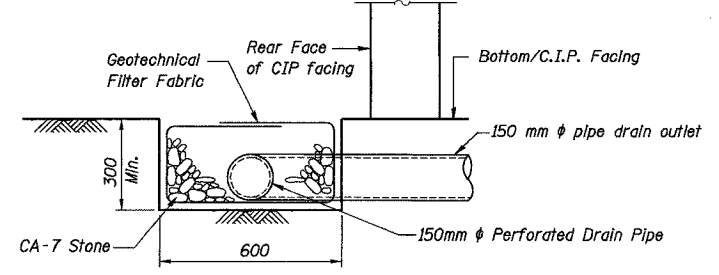
TYPICAL SECTION STA. 10+362.421 TO STA. 10+385.000 (Looking West)



TYPICAL SECTION STA. 10+385.000 TO STA. 10+408.988 (Looking West)

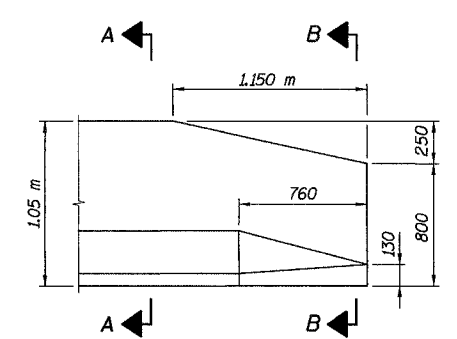


PLAN (SHOWING DIMENSIONS)

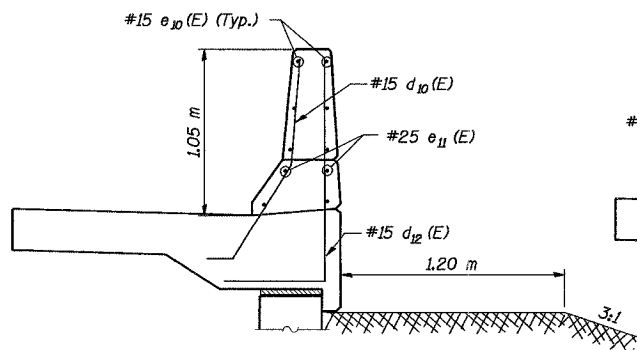


FRENCH DRAIN DETAIL

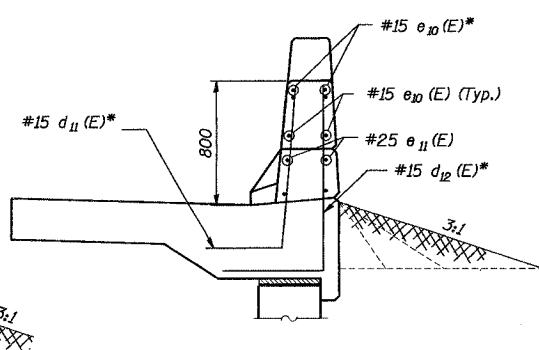
Note: The French Drain Installation shall follow Section 601 of the Standard Specifications except that the trench will be filled with CA-7 coarse aggregate. The trench shall be lined with Geotechnical Filter Fabric for French Drains and have a 150 mm diameter perforated drain pipe located near the base of the excavation. The cost of the Geotechnical Filter Fabric and perforated drain pipe is included with the pay item French Drains.



VIEW I-I- PARAPET END SECTION FOR TERMINAL BARRIER TYPE 6 (North Wall Shown, South Wall Opp. Hand)



SECTION A-A



SECTION B-B

* Cut or Bend in field to fit

Date: 11/22/2004 Time: 12:13:53 PM File: P:\649996\structure\072-8557-Wall #8A\sheet\Tr\cc\ings.DT000-1A0728557.dgn

Designed by:	WEE
Checked by:	AK
Drafted by:	RKS
Checked by:	AK

REVISION	DATE	DESCRIPTION
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		
TYPICAL SECTIONS AND DETAILS		
MSE WALL NO. 8A - RAMP A-3 F.A.I. ROUTE 74 SECTION (72-7)R-3 PEORIA COUNTY STA. 10+362.421 TO STA. 10+408.988 (RAMP A-3) STRUCTURE NUMBER 072-8557		
PARSONS TRANSPORTATION GROUP CHICAGO, ILLINOIS		
DRAWING NO.	SCALE	DATE
7	N.T.S.	6/25/04
SHEET NO.		
7		

ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	606	1360
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 68200

LEGEND - RSV ENGINEERING INC. (NOW BLOOM CONSULTANTS, LLC) TEST BORING LOGS

A-1 to A-7 (and subgroups)	Engineering classifications of soil samples in accordance with AASHTO M 145 standard specification.	Penetrometer Estimate	An approximation of the unconfined compressive strength of the soil sample in kilopascals obtained with the use of a calibrated hand penetrometer device.
BLOWS/150mm	Number of blows required to drive a standard soil sampling device 150 mm as conducted in accordance with AASHTO T 206 standard specification.	50 mm ST	50 mm diameter thin-walled tube (Shelby Tube) relatively undisturbed soil sample obtained in accordance with AASHTO T 207 standard specification.
q _u , kPa	Unconfined compression strength of soil sample in kilopascals determined in accordance with AASHTO T 208 standard specification.	Yd	Dry unit weight of soil specimen in kilograms per cubic meter.
STRAIN, %	Actual strain of soil sample at failure (15 percent maximum allowed) during unconfined compression strength test (see AASHTO T 208 specification).	REC.	Length of sample recovered in millimeters.
WATER CONTENT, %	Natural moisture content of soil sample in percent determined in accordance with AASHTO T 265 standard specification.		

RSV ENGINEERING, INC.		BORING LOG		SCHAUMBURG, ILLINOIS				
JOB NO: 98600	CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO: RWA3S-1	STATION: 10+379					
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois		LOCATION: Retaining Wall Ramp A-3 SN 072-8557	OFFSET: 7.0m Lt					
BORING RIG & METHOD: CME-55 w/Hollow Stem Augers		SURF ELEV: 192.57						
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q _u kPa	STRAIN %	WATER CONTENT %
150mm Bituminous Concrete	192.42		0.00-0.30	Auger 3				
Stiff to Medium Stiff Br Loam A-4			0.30-0.76	254	4-5	134	15	15
	190.89		1.07-1.52	356	4-5	48	15	20
Stiff Br Silty Clay Loam A-4			1.83-2.29	254	4-6	144	15	11
	189.61		2.59-3.05	356	11-11			13
Medium Dense Br Sandy Loam A-2-4	189.06		3.35-3.81	457	6-9	201	15	10
Very Stiff Br Loam A-4	188.24		4.11-4.57	432	8-9	268*		16
Medium Dense Br Silt A-4		5	4.88-5.33	457	8-9			22
Very Stiff Br Clay Loam A-6	186.75		5.64-6.10	457	9-11	201	15	16
	186.32		6.40-6.86	457	10-14			21
Medium Dense Br to Gr Silt A-4			7.16-7.62	457	12-14			19
	184.80		7.92-8.38	457	8-10			21
Medium Dense to Dense Gr Sandy Loam A-2-4			8.69-9.14	432	19-22			19
	182.78	10	9.45-9.91	457	10-16	527	15	11
Hard to Very Stiff Gr Loam A-4			10.21-10.67	457	12-17	326	15	17
			10.97-11.43	203	18-21	287	15	16
			11.73-12.19	457	9-13	326	15	12
REMARKS: CME Automatic Hammer Used.				#Denotes Calibrated Penetrometer Estimate				
WATER	Dry	ELEV. DURING DRILLING	CORE SIZE	mm	DATE:	Apr 10, 00		
WATER	m	ELEV. AT COMPLETION	CASING LENGTH	m	DRILLER:	Olson		
WATER	Dry	ELEV. AFTER 1/4 HRS.	CASING DIAMETER	mm	INSPECTOR:	Reed		

RSV ENGINEERING, INC.		BORING LOG		SCHAUMBURG, ILLINOIS				
JOB NO: 98600	CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO: RWA3S-1	STATION: 10+379					
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois		LOCATION: Retaining Wall Ramp A-3 SN 072-8557	OFFSET: 7.0m Lt					
BORING RIG & METHOD: CME-55 w/Hollow Stem Augers		SURF ELEV: 192.57						
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q _u kPa	STRAIN %	WATER CONTENT %
			12.50-12.95	457	8	335	15	12
			13.26-13.72	457	9-13	297	15	11
Hard to Very Stiff Gr Loam A-4			14.02-14.48	457	15-19	211	15	11
		15	14.78-15.24	457	12-16	373	15	16
			15.54-16.00	457	12-16	373	15	12
Boring terminated at 16.0m								
REMARKS: CME Automatic Hammer Used.				#Denotes Calibrated Penetrometer Estimate				
WATER	Dry	ELEV. DURING DRILLING	CORE SIZE	mm	DATE:	Apr 10, 00		
WATER	m	ELEV. AT COMPLETION	CASING LENGTH	m	DRILLER:	Olson		
WATER	Dry	ELEV. AFTER 1/4 HRS.	CASING DIAMETER	mm	INSPECTOR:	Reed		

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			
BORING LOGS I			
MSE WALL NO. 8A - RAMP A-3 F.A.I. ROUTE 74 SECTION (72-7)R-3 PEORIA COUNTY STA. 10+362.421 TO STA 10+408.988 (RAMP A-3) STRUCTURE NUMBER 072-8557			
PARSONS TRANSPORTATION GROUP CHICAGO, ILLINOIS			
DRAWING NO. 8	SCALE N.T.S.	DATE 6/25/04	SHEET NO. 8

Time: 12:41:48 PM

Date: 11/22/2004

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LEGEND - CLAUDE H. HURLEY COMPANY TEST BORING LOGS

A-1 to A-8 (and subgroups) Engineering classifications of soil in accordance with AASHTO M 145 standard specification. Q, kPa

Silty Clay Loam Textural classification of soil in accordance with IDOT Triangular Chart. w, %

Laminated Coal Shale Textural and engineering classification of bedrock in accordance with conventional practice.

N,Bp0.15m N-value or standard penetration test value. Number of blows required to drive a standard split-spoon sampler 0.15 m as conducted in accordance with AASHTO T 206 standard specification. d, kgpm³

Unconfined compression strength of soil in kilopascals determined in accordance with AASHTO T 208 standard specification.

Natural moisture content of soil and bedrock in percent determined in accordance with AASHTO T 265 standard specification and AASHTO T 265/ASTM D 2216 for bedrock.

Dry unit weight of soil and bedrock in kilograms per cubic meter determined in accordance with standard practice.

GROUNDWATER DATA

DD Water Level During Drilling

BAR Water Level Before Auger Removal

AAR Water Level After Auger Removal

DC Dry Cave Level

WC Wet Cave Level

d Days

h Hours

DRILLING METHOD

FA Flight Auger

RW Rotary Wash

HSA Hollow Stem Auger

SAMPLE TYPE

AU Auger

SS Standard Split-barrel

ST Thin-walled Tube

DB Core Barrel

NOTES

1. The abbreviations, symbols and definitions in this Legend are commonly used and understood in the engineering and construction practices and are presented only for information and communication.

2. The Geotechnical Data presented in this Legend and on the Boring Logs are to be interpreted by personnel educated, trained, experienced and licensed to practice Geotechnical Engineering, and in direct communication with the Claude H. Hurley Company.

CLAUDE H. HURLEY COMPANY BORING LOG										
PROJECT NO. 3-380-D5					BORING NO. SH-318					
PROJECT FAT-74 IMPROVEMENTS - WAR MEMORIAL DRIVE CORRIDOR										
LOCATION BRIDGE NO. 072-0172 RAMP A-3BL 10+399.8 6.4m PEORIA & TAZEWELL COUNTIES, ILLINOIS										
DRILLING CONTRACTOR D & S DRILLING, INC.										
DATE OF DRILLING: STARTED 11-26-97 COMPLETED 11-26-97 SURFACE ELEVATION 181.35										
DRILLED BY D. ROUSEL LOGGED BY R. ROCKSTRA										
Elev	CLASSIFICATION	Depth	GROUNDWATER DATA				DRILLING METHOD			
			N	Q	w	%	DATE	DEPTH	HOUR	RIG TYPE
191.05	GR TO BR GR LOAM TO CLAY LOAM, A-4 TO A-6	5	595	13	-	11-26	-	0	MOBILE S-57	
189.71	BR TO BR & GR LOAM, A-4	4	375	13	-	11-26	4.7	120	MOBILE S-57	
188.15	BR SANDY LOAM, A-2-4	7	6	10	-	11-26	-	0	MOBILE S-57	
187.65	BR TO BR GR LOAM TO CLAY LOAM, A-4 TO A-6	5	5	22	-	11-26	-	0	MOBILE S-57	
185.14	GR TO BR GR LOAM TO CLAY LOAM, A-4 TO A-6	5	0	355	13	11-26	-	0	MOBILE S-57	

CLAUDE H. HURLEY COMPANY BORING LOG										
PROJECT NO. 3-380-D5					BORING NO. SH-318 (CONT)					
PROJECT FAT-74 IMPROVEMENTS - WAR MEMORIAL DRIVE CORRIDOR										
LOCATION BRIDGE NO. 072-0172 RAMP A-3BL 10+399.8 6.4m PEORIA & TAZEWELL COUNTIES, ILLINOIS										
DRILLING CONTRACTOR D & S DRILLING, INC.										
DATE OF DRILLING: STARTED 11-26-97 COMPLETED 11-26-97 SURFACE ELEVATION 181.35										
DRILLED BY D. ROUSEL LOGGED BY R. ROCKSTRA										
Elev	CLASSIFICATION	Depth	GROUNDWATER DATA				DRILLING METHOD			
			N	Q	w	%	DATE	DEPTH	HOUR	RIG TYPE
177.63	GR SAND, A-3	11	12	15	-	11-26	-	0	MOBILE S-57	
176.70	GR TO BR GR LOAM TO CLAY LOAM, A-4 TO A-6	11	11	18	12	11-26	4.7	120	MOBILE S-57	
174.67	GR SILTY, A-4	12	14	19	-	11-26	-	0	MOBILE S-57	
172.71	GR TO BR GR LOAM TO CLAY LOAM, A-4 TO A-6	11	13	16	13	11-26	-	0	MOBILE S-57	
172.34	END OF BORING	19	12	14	14	11-26	-	0	MOBILE S-57	

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			
BORING LOGS II			
MSE WALL NO. 8A - RAMP A-3 F.A.I. ROUTE 74 SECTION (72-7)R-3 PEORIA COUNTY STA. 10+362.421 TO STA 10+408.988 (RAMP A-3) STRUCTURE NUMBER 072-8557			
PARSONS TRANSPORTATION GROUP CHICAGO, ILLINOIS			
DRAWING NO. 9	SCALE N.T.S.	DATE 6/25/04	SHEET NO. 9

Time: 12:15:31 PM

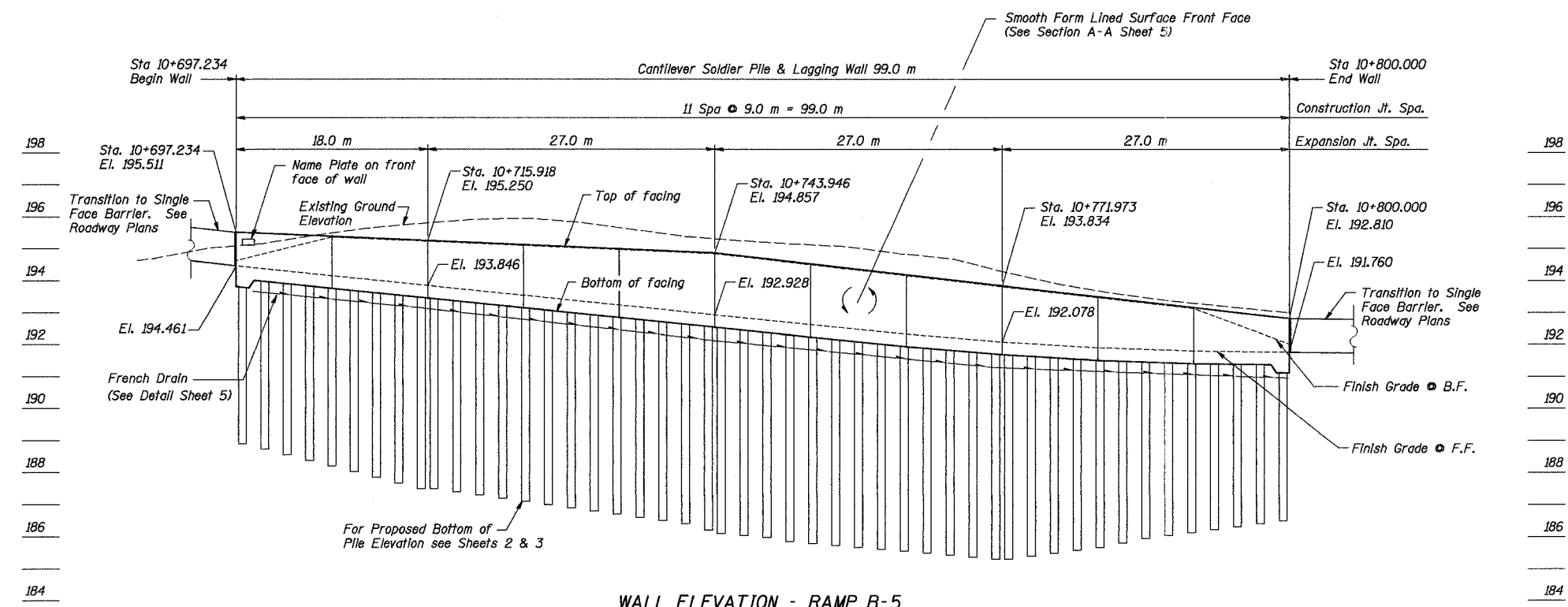
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ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	608	1360
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

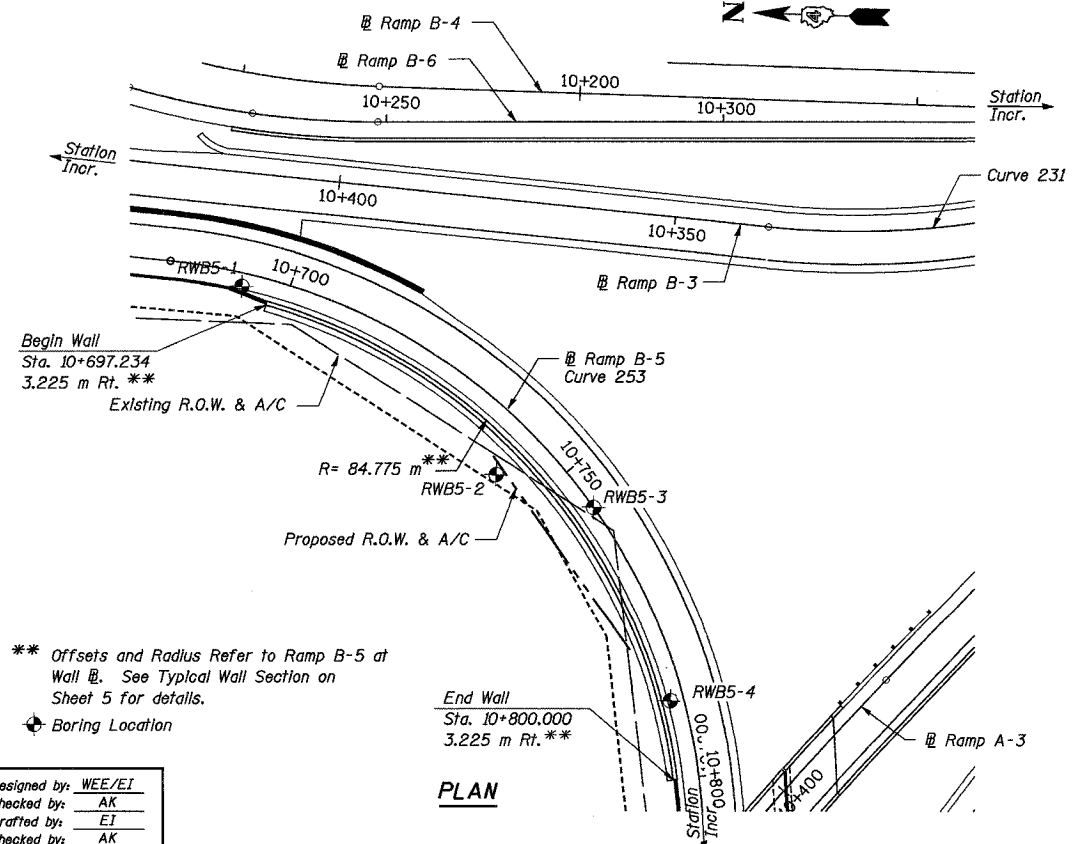
CONTRACT NO. 68200

B. M. #49 : Southwest base bolt on aluminum light pole, north side of WB lanes, I-74 and 30 m west of bridge, War Memorial Drive spur over I-74, El. 190.771 m
 B. M. #3001 : Chiseled "□" on concrete sign base (I-74 - Bloomington/Galesburg) on west side of War Memorial Drive spur. El. 198.767 m
 Construction Staging: Single Stage Construction



WALL ELEVATION - RAMP B-5
 (Looking at Back Face)
 (Piles above bottom of facing not shown for clarity)

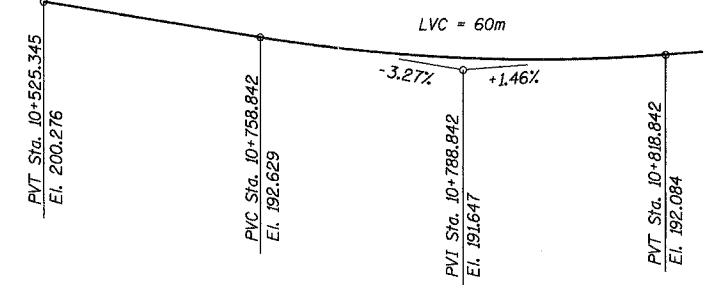
Note: See Civil Plans for connection of French Drain to Drainage System.



PLAN

** Offsets and Radius Refer to Ramp B-5 at Wall @. See Typical Wall Section on Sheet 5 for details.
 Boring Location

Designed by: WEE/EI
 Checked by: AK
 Drafted by: ET
 Checked by: AK



PROFILE GRADE RAMP B-5
 (Along Ramp B-5)

STA. 10+697.234 - STA. 10+800.000
 BUILT 200... BY
 STATE OF ILLINOIS
 F.A.I. RT. 74 SEC (72-7)R-3
 STR. NO. 072-8558

NAME PLATE
 See Std. 515001

CURVE DATA

CURVE 253
 R = 88.000 m
 T = 133.370 m
 L = 173.809 m
 E = 71.786 m
 PC STA = 10+681.815
 PI STA = 10+815.184
 PT STA = 10+855.624
 S.E. = 7.9%
 Transition in 10+650 to 10+698
 Transition out 10+840 to 10+888

DESIGN STRESSES

FIELD UNITS
 f'c = 24 MPa
 fy = 400 MPa (Reinf.)
 fy = 250 MPa (Soldier Piles);
 M270M (Grade 250)
 fb = 6.9 MPa (Untreated Timber Lagging)

DESIGN SPECIFICATIONS

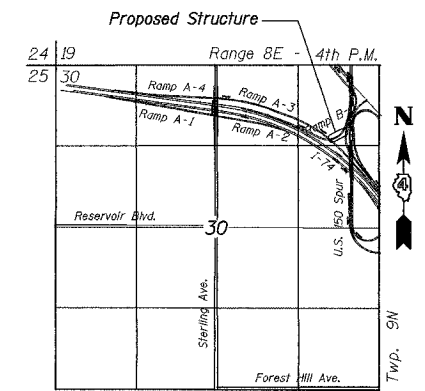
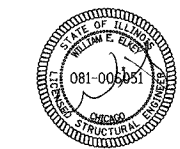
1996 AASHTO With 1997 Through 2002 Interims

GENERAL NOTES

1. Reinforcement bars shall conform to the requirements of AASHTO M 31M or M 322M Grade 400.
2. All dimensions are in millimeters (mm) except as noted.
3. All construction joints shall be bonded.

INDEX OF SHEETS

1. General Plan and Elevation
2. Soldier Piles I
3. Soldier Piles II
4. C.I.P. Concrete Facing
5. Typical Sections and Misc. Details
6. Boring Logs I
7. Boring Logs II



LOCATION SKETCH

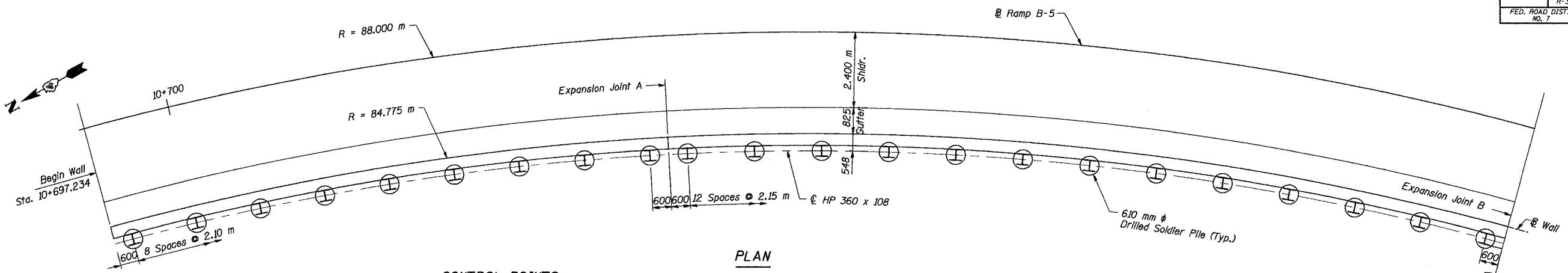
TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Stud Shear Connectors	Each	186
Name Plates	Each	1
French Drains	m ³	8.8
Structure Excavation	m ³	213
Concrete Structures	m ³	82.1
Reinforcement Bars, Epoxy Coated	kg	4750
Geocomposite Wall Drain	m ²	181
Untreated Timber Lagging	m ²	170
Form Liner Grid and Fin Surface	m ²	219
Furnishing Soldier Piles (HP Section)	m	360.0
Drilling and Setting Soldier Piles (in Soil)	m ³	81.4

REVISION	DATE	DESCRIPTION
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		
GENERAL PLAN AND ELEVATION		
WALL NO. 9 - RAMP B-5 F.A.I. ROUTE 74 SECTION (72-7)R-3 PEORIA COUNTY STATION 10+697.234 TO 10+800.000 (RAMP B-5) STRUCTURE NUMBER 072-8558		
PARSONS TRANSPORTATION GROUP CHICAGO, ILLINOIS		
DRAWING NO. 1	SCALE N.T.S.	DATE 6/25/04
		SHEET NO. 1

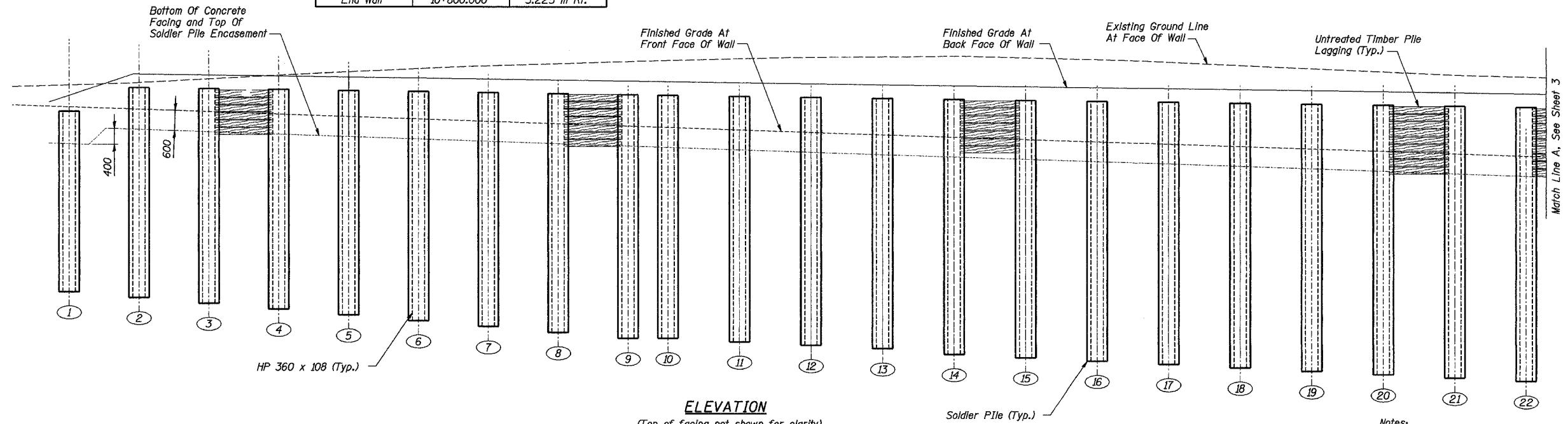
ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	609	1360
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 68200



CONTROL POINTS

	STA. ALONG RAMP B-5	OFFSET TO WALL
Begin Wall	10+697.234	3.225 m Rt.
Exp. Jt. A	10+715+918	3.225 m Rt.
Exp. Jt. B	10+743+946	3.225 m Rt.
Exp. Jt. C	10+771+973	3.225 m Rt.
End Wall	10+800.000	3.225 m Rt.



ELEVATION

(Top of facing not shown for clarity)

PILE SUMMARY

PILE NO.	STATION	LENGTH	BOTT./PILE ELEVATION	TOP/PILE ELEVATION	TOP/PILE ENCASUREMENT ELEVATION	NO. STUDS PER PILE
1	10697.857	5.200	189.127	194.327	193.438	4
2	10700.037	6.100	188.922	195.022	193.766	3
3	10702.217	6.200	188.791	194.991	193.695	3
4	10704.396	6.300	188.661	194.961	193.624	3
5	10706.576	6.400	188.531	194.931	193.552	6
6	10708.756	6.600	188.300	194.900	193.481	3
7	10710.936	6.700	188.170	194.870	193.409	3
8	10713.116	6.800	188.039	194.839	193.338	4
9	10715.296	6.900	187.909	194.809	193.267	4
10	10716.542	7.000	187.791	194.791	193.226	4
11	10718.774	7.100	187.660	194.760	193.153	4
12	10721.005	7.200	187.529	194.729	193.080	4
13	10723.237	7.300	187.397	194.697	193.007	4
14	10725.469	7.500	187.166	194.666	192.933	4
15	10727.701	7.600	187.035	194.635	192.860	4
16	10729.933	7.700	186.903	194.603	192.787	4
17	10732.164	7.800	186.772	194.572	192.714	4
18	10734.396	7.900	186.641	194.541	192.641	4
19	10736.628	8.000	186.510	194.510	192.568	4
20	10738.860	8.100	186.378	194.478	192.495	4
21	10741.092	8.300	186.147	194.447	192.422	4
22	10743.323	8.400	186.016	194.416	192.349	4

Notes:

All dimensions are in millimeters (mm) except as noted.

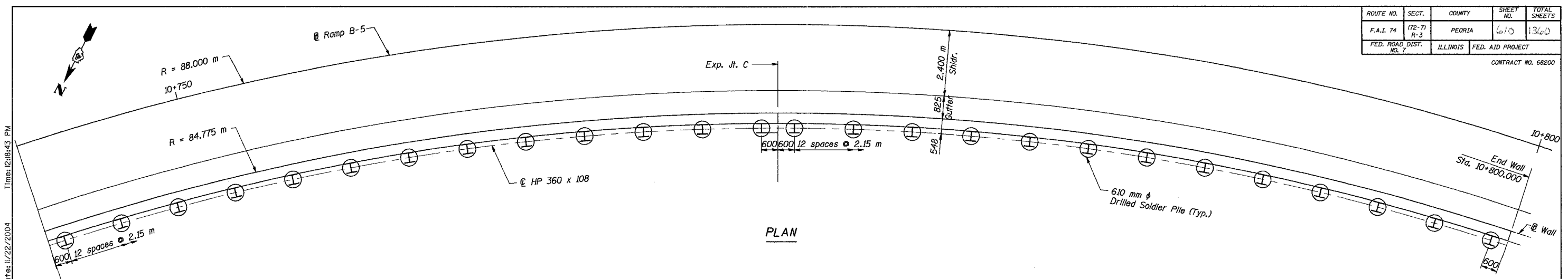
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		
SOLDIER PILES I		
WALL NO. 9 - RAMP B-5 F.A.I ROUTE 74 SECTION (72-7)R-3 PEORIA COUNTY STATION 10+697.234 TO 10+800.000 (RAMP B-5) STRUCTURE NUMBER 072-8558		
PARSONS TRANSPORTATION GROUP CHICAGO, ILLINOIS		
DRAWING NO. 2	SCALE N.T.S.	DATE 6/25/04
		SHEET NO. 2

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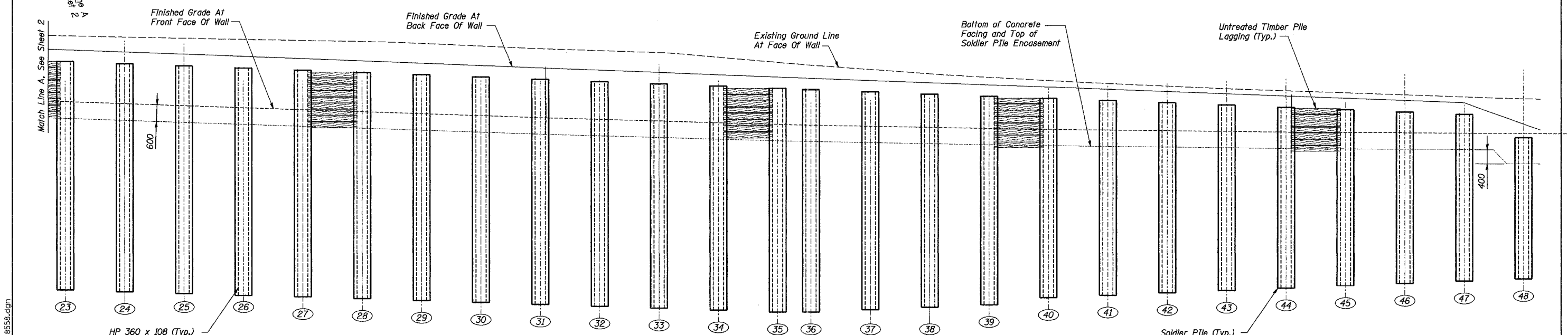
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 Checked by: AK
 Drafted by: RP
 Checked by: AK

ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	610	1360
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 68200



PLAN



ELEVATION

(Top of facing not shown for clarity)

PILE SUMMARY

PILE NO.	STATION	LENGTH	BOTT./PILE ELEVATION	TOP/PILE ELEVATION	TOP/PILE ENCASUREMENT ELEVATION	NO. STUDS PER PILE
23	10744.569	8.400	185.984	194.384	192.308	4
24	10746.801	8.400	185.903	194.303	192.235	4
25	10749.032	8.400	185.821	194.221	192.162	4
26	10751.264	8.400	185.740	194.140	192.089	4
27	10753.496	8.400	185.658	194.058	192.016	4
28	10755.728	8.400	185.577	193.977	191.942	4
29	10757.960	8.400	185.495	193.895	191.869	4
30	10760.191	8.400	185.414	193.814	191.797	4
31	10762.423	8.400	185.333	193.733	191.728	4
32	10764.655	8.300	185.351	193.651	191.663	4
33	10766.887	8.300	185.270	193.570	191.603	4
34	10769.119	8.300	185.188	193.488	191.546	4
35	10771.350	8.300	185.107	193.407	191.493	4
36	10772.596	8.200	185.161	193.361	191.465	4
37	10774.828	8.100	185.180	193.280	191.418	4
38	10777.059	7.900	185.298	193.198	191.375	4
39	10779.291	7.800	185.317	193.117	191.336	4
40	10781.523	7.600	185.435	193.035	191.301	4
41	10783.755	7.500	185.454	192.954	191.269	4
42	10785.987	7.300	185.572	192.872	191.242	4
43	10788.218	7.200	185.590	192.790	191.219	4
44	10790.450	7.000	185.709	192.709	191.199	4
45	10792.682	6.800	185.827	192.627	191.184	3
46	10794.914	6.600	185.946	192.546	191.172	3
47	10797.146	6.500	185.964	192.464	191.164	3
48	10799.377	5.600	186.058	191.658	190.761	4

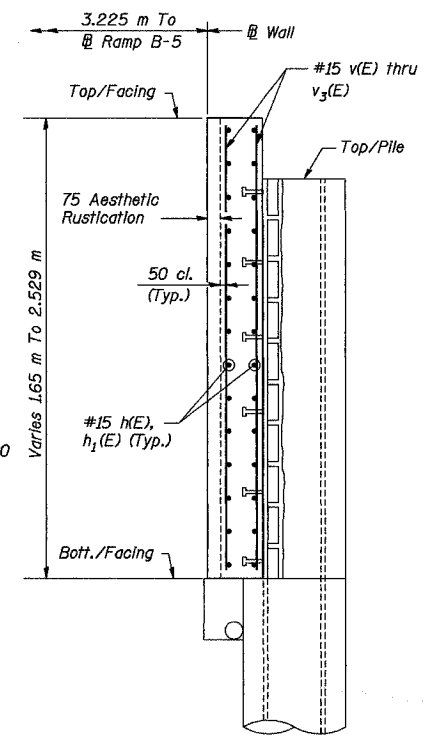
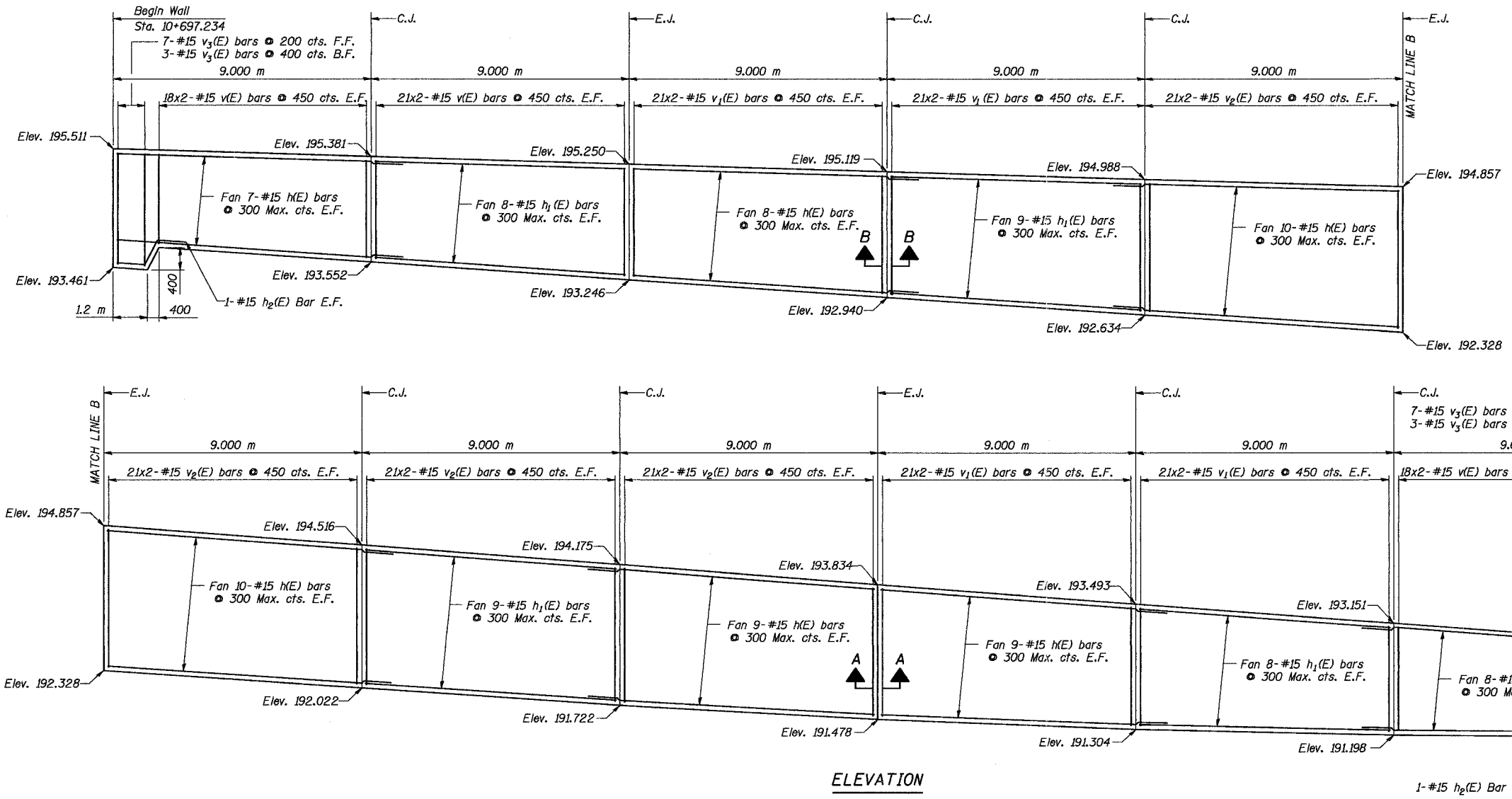
Notes:
All dimensions are in millimeters (mm) except as noted.

REVISION	DATE	DESCRIPTION
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		
SOLDIER PILES II		
WALL NO. 9 - RAMP B-5 F.A.I ROUTE 74 SECTION (72-7)R-3 PEORIA COUNTY STATION 10+697.234 TO 10+800.000 (RAMP B-5) STRUCTURE NUMBER 072-8558		
PARSONS TRANSPORTATION GROUP CHICAGO, ILLINOIS		
DRAWING NO. 3	SCALE N.T.S.	DATE 6/25/04
		SHEET NO. 3

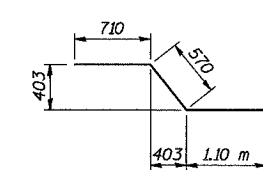
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Checked by: AK
Drafted by: RP
Checked by: AK

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ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	611	1360
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 68200	



SECTION THRU WALL

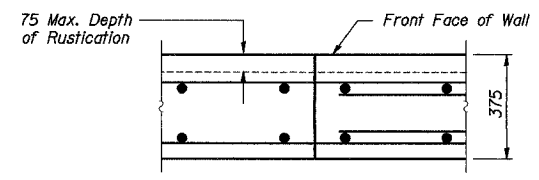


BAR h₂(E)

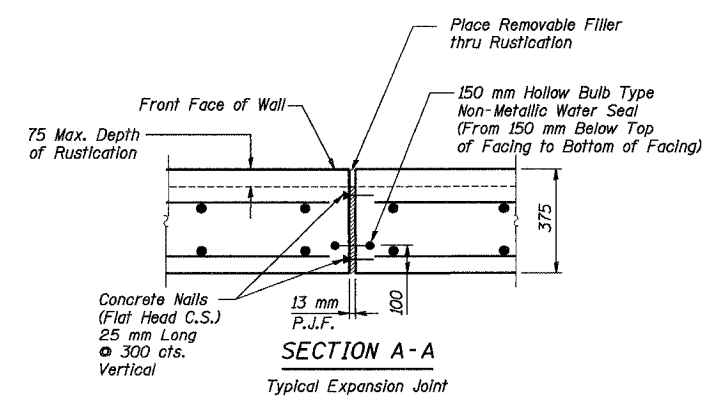
ELEVATION

BILL OF MATERIAL

Bar	No.	Size	Length (m)	Shape
h(E)	122	#15	9.71	—
h ₁ (E)	68	#15	8.90	—
h ₂ (E)	4	#15	2.38	—
v(E)	228	#15	1.15	—
v ₁ (E)	336	#15	1.33	—
v ₂ (E)	336	#15	1.41	—
v ₃ (E)	20	#15	1.95	—
Reinforcement Bars, Epoxy Coated			kg	4750
Concrete Structures			m ³	82.1



SECTION B-B
Typical Construction Joint



SECTION A-A
Typical Expansion Joint

Notes:

All dimensions are in millimeters (mm) except as noted.
Reinforcement bars designated (E) shall be epoxy coated.
Bars indicated thus 20 x 3-#15 etc. Indicates 20 lines of bars with 3 lengths per line.

REVISION	DATE	DESCRIPTION
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		
C.I.P. CONCRETE FACING		
WALL NO. 9 - RAMP B-5 F.A.I. ROUTE 74 SECTION (72-7)R-3 PEORIA COUNTY STATION 10+697.234 TO 10+800.000 (RAMP B-5) STRUCTURE NUMBER 072-8558		
PARSONS TRANSPORTATION GROUP CHICAGO, ILLINOIS		
DRAWING NO. 4	SCALE N.T.S.	DATE 6/25/04
		SHEET NO. 4

E.F. Each Face
F.F. Front Face
B.F. Back Face
E.J. Expansion Joint
C.J. Construction Joint

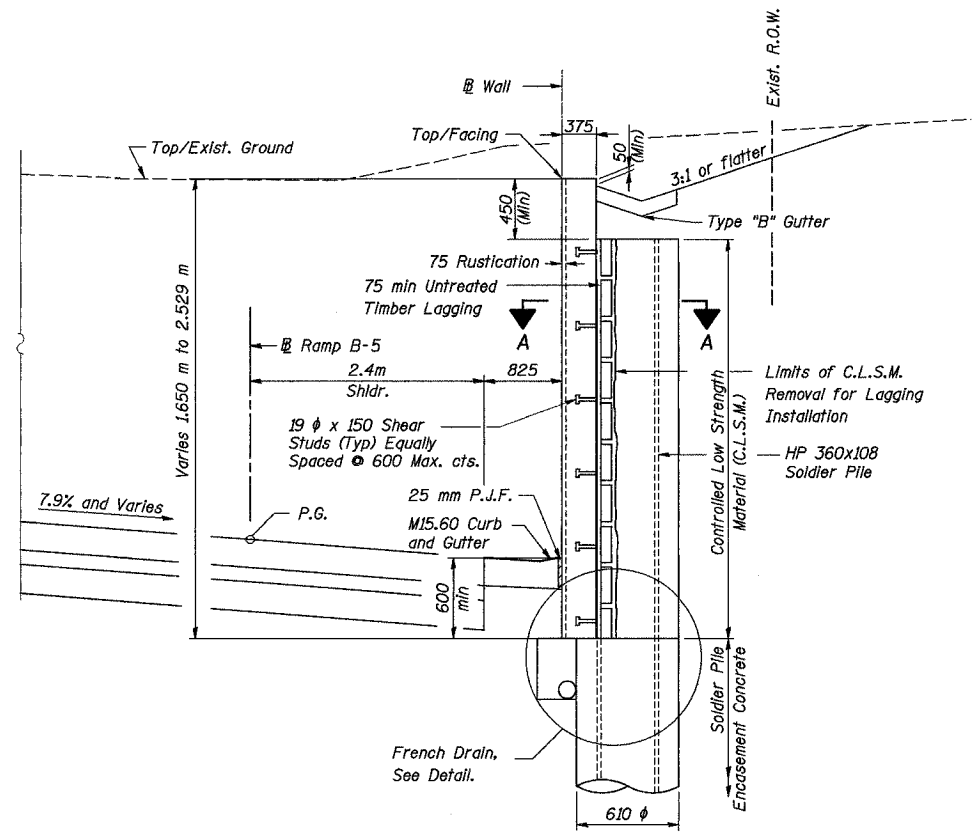
MIN. BAR LAPS
#15 (Horiz.) 710
#15 (Vert.) 390

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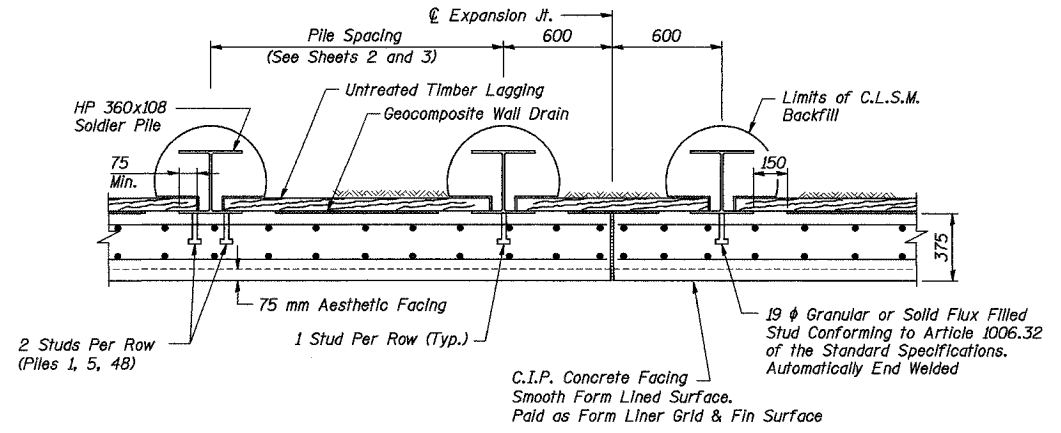
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Drafted by: rp
Checked by: AK

ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	612	1200
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 68200

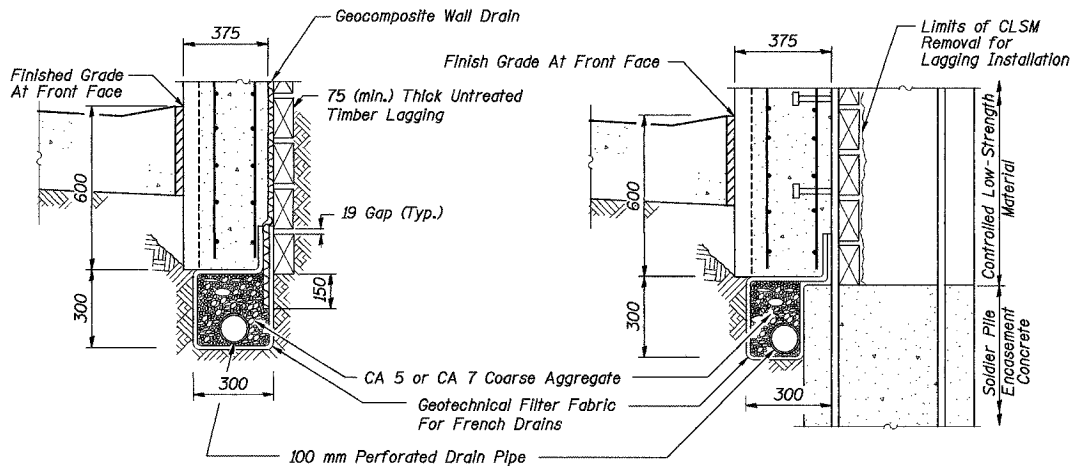


TYPICAL WALL SECTION



SECTION A-A

Notes:
All dimensions are in millimeters (mm) except as noted.



FRENCH DRAIN DETAIL

The French Drain Installation shall follow Section 601 of the Standard Specifications except that the trench will be filled with CA-7 coarse aggregate. The trench shall be lined with Geotechnical Filter Fabric for French Drains and have a 100 mm diameter perforated drain pipe located near the base of the excavation. The cost of the Geotechnical Filter Fabric and perforated drain pipe is included with the pay item French Drains.

Date: 11/22/2004 Time: 12:20:45 PM

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Designed by:	WEE
Checked by:	AK
Drafted by:	WEE
Checked by:	AK

REVISION	DATE	DESCRIPTION
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		
TYPICAL SECTIONS AND MISC. DETAILS		
WALL NO. 9 - RAMP B-5 F.A.I ROUTE 74 SECTION (72-7)R-3 PEORIA COUNTY STATION 10+697.234 TO 10+800.000 (RAMP B-5) STRUCTURE NUMBER 072-8558		
PARSONS TRANSPORTATION GROUP CHICAGO, ILLINOIS		
DRAWING NO. 5	SCALE N.T.S.	DATE 6/25/04
		SHEET NO. 5

ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	613	1360
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 68200

RSV ENGINEERING, INC.		BORING LOG		SCHAUMBURG, ILLINOIS				
JOB NO: 98600	CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO: RWB5-1	STATION: 10+693	OFFSET: 2.0m Rt	SURF ELEV: 194.83			
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois	LOCATION: Retaining Wall Ramp B-5 SN 072-8558	BORING RIG & METHOD: CME-75 w/Hollow Stem Augers						
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q _u kPa	STRAIN %	WATER CONTENT %
90mm Root Zone Material: Br Clay Loam A-4	194.74		0.00-0.30	Auger 6				18
Stiff Br Clay Loam A-4			0.30-0.76	457	7-11	172*		18
Medium Dense Br Sand A-1-b	193.61		1.07-1.52	279	9-10			6
Very Stiff to Hard Br Loam A-4	193.15		1.83-2.29	457	14-13	297	15	13
	191.63		2.59-3.05	457	8-14	450	15	14
Very Stiff to Hard Br Clay Loam A-4	191.63		3.35-3.81	457	10-16	354	15	15
	190.10		4.11-4.57	457	9-13	402	15	12
Very Stiff to Hard Br Silty Clay Loam A-4	190.10	5	4.88-5.33	457	7-12	354	15	13
	188.58		5.64-6.10	457	9-15	469	15	12
Very Stiff to Hard Br Loam A-4	188.58		6.40-6.86	457	9-11	278	15	13
	187.06		7.16-7.62	457	9-13	383	15	13
Very Stiff Br Loam A-4	187.06		7.92-8.38	457	7-11	268	15	14
	186.81		8.69-9.14	457	10-12	268	15	14
	185.74		9.45-9.91	457	10-14	326	15	12
Dense Br Sand A-1-b	185.74	10	10.21-10.67	457	9-14	316	15	13
	184.01		10.97-11.43	457	21-20			10
	182.64		11.73-12.19	457	12-18			11
Boring terminated at 12.2m								
REMARKS						#Denotes Calibrated Penetrometer Estimate		
WATER	11.0m ELEV.	183.85 DURING DRILLING	CORE SIZE	mm	DATE:	Apr 3, 00		
WATER	m ELEV.	AT COMPLETION	CASING LENGTH	m	DRILLER:	Fehl		
WATER	12.2m ELEV.	182.64 AFTER 1/4 HRS.	CASING DIAMETER	mm	INSPECTOR:	Shook		

RSV ENGINEERING, INC.		BORING LOG		SCHAUMBURG, ILLINOIS				
JOB NO: 98600	CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO: RWB5-2	STATION: 10+743	OFFSET: 8.0m Rt	SURF ELEV: 195.65			
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois	LOCATION: Retaining Wall Ramp B-5 SN 072-8558	BORING RIG & METHOD: CME-75 w/Hollow Stem Augers						
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q _u kPa	STRAIN %	WATER CONTENT %
FILL: Br Clay Loam A-4	195.50		0.00-0.30	Auger 5				19
Medium Dense Br Silt A-4	194.73		0.30-0.76	381	10-10			16
Medium Dense to Dense Br Sand A-1-b	193.21		1.07-1.52	457	8-8			10
	193.21		1.83-2.29	381	15-15			4
Medium Dense Br Sand A-1-b	192.45		2.59-3.05	406	11-9			5
Very Stiff to Hard Br Loam A-4	190.92		3.35-3.81	457	11-15	335	15	14
	190.92		4.11-4.57	457	10-14	469	15	15
Very Stiff to Stiff Br Loam A-4	189.40	5	4.88-5.33	457	7-9	201	15	13
	189.40		5.64-6.10	457	8-12	182	15	13
Very Stiff Br Silty Clay Loam A-4	188.81		6.40-6.86	457	9-11	297	15	11
	187.06		7.16-7.62	457	12-15	306	15	12
Very Dense to Dense Br Sand A-1-b	186.81		7.92-8.38	457	7-9	220	15	14
	185.74		8.69-9.14	457	30-26			13
	185.74		9.45-9.91	432	15-19			23
Boring terminated at 9.9m								
REMARKS						#Denotes Calibrated Penetrometer Estimate		
WATER	Drym ELEV.	DURING DRILLING	CORE SIZE	mm	DATE:	Apr 3, 00		
WATER	m ELEV.	AT COMPLETION	CASING LENGTH	m	DRILLER:	Fehl		
WATER	Drym ELEV.	AFTER 1/4 HRS.	CASING DIAMETER	mm	INSPECTOR:	Shook		

RSV ENGINEERING, INC.		BORING LOG		SCHAUMBURG, ILLINOIS				
JOB NO: 98600	CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO: RWB5-3	STATION: 10+757	OFFSET: Baseline	SURF ELEV: 195.03			
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois	LOCATION: Retaining Wall Ramp B-5 SN 072-8558	BORING RIG & METHOD: CME-75 w/Hollow Stem Augers						
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q _u kPa	STRAIN %	WATER CONTENT %
100mm Root Zone Material: Black Silty Loam A-4: Organic matter noted	194.93		0.00-0.30	Auger 4				20
Hard Br Clay Loam A-6	193.35		0.30-0.76	356	7-9	393	15	26
	193.35		1.07-1.52	457	5-5	431	15	20
Medium Stiff Br & Gr Clay A-6	190.30		1.83-2.29	457	3-4	57	15	31
	189.54		2.59-3.05	457	3-4	86	15	26
Dense Br Sand A-1-a	189.54	5	3.35-3.81	457	5-7	86	15	24
	188.32		4.11-4.57	457	3-3	77	15	25
Very Dense Br Sand A-1-b	188.32		4.88-5.33	381	18-25			15
	187.06		5.64-6.10	457	24-28			10
	186.81		6.40-6.86	457	6-6	354	15	14
Very Stiff Br Loam A-4	186.81		7.16-7.62	457	15-17	345	15	14
	185.74		7.92-8.38	457	12-15	326	15	13
	184.97	10	8.69-9.14	457	12-19	220	15	13
	184.01		9.45-9.91	457	17-24	326	15	14
Very Dense Br Sand A-1-a	184.01		10.21-10.67	356	38-31			11
	183.60		10.97-11.43	406	24-27			11
Boring terminated at 11.4m								
REMARKS						#Denotes Calibrated Penetrometer Estimate		
WATER	4.9m ELEV.	190.15 DURING DRILLING	CORE SIZE	mm	DATE:	Apr 3, 00		
WATER	m ELEV.	AT COMPLETION	CASING LENGTH	m	DRILLER:	Fehl		
WATER	4.4m ELEV.	190.67 AFTER 1/4 HRS.	CASING DIAMETER	mm	INSPECTOR:	Shook		

LEGEND

- A-1 to A-7 Engineering classifications of soil samples in accordance with AASHTO M 145 (and subgroups)
- BLOWS/150mm Number of blows required to drive a standard soil sampling device 150 mm as conducted in accordance with AASHTO T 206 standard specification.
- q_u, kPa Unconfined compression strength of soil sample in kilopascals determined in accordance with AASHTO T 208 standard specification.
- STRAIN, % Actual strain of soil sample at failure (15 percent maximum allowed) during unconfined compression strength test (see AASHTO T 208 specification).
- WATER CONTENT, % Natural moisture content of soil sample in percent determined in accordance with AASHTO T 265 standard specification.

- Penetrometer Estimate An approximation of the unconfined compressive strength of the soil sample in kilopascals obtained with the use of a calibrated hand penetrometer device.
- 50 mm ST 50 mm diameter thin-walled tube (Shelby Tube) relatively undisturbed soil sample obtained in accordance with AASHTO T 207 standard specification.
- Y_d Dry unit weight of soil specimen in kilograms per cubic meter.
- REC. Length of sample recovered in millimeters.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			
BORING LOGS I			
WALL NO. 9 - RAMP B-5 F.A.I. ROUTE 74 SECTION (72-7)R-3 PEORIA COUNTY STATION 10+697.234 TO 10+800.000 (RAMP B-5) STRUCTURE NUMBER 072-8558			
PARSONS TRANSPORTATION GROUP CHICAGO, ILLINOIS			
DRAWING NO. 6	SCALE N.T.S.	DATE 6/25/04	SHEET NO. 6

Time: 12:21:17 PM

Date: 11/22/2004

Filename: P:\643996\structural\072-8558-Wall #9\sheet\Tracings\BLO001-A072-8558.dgn

ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	614	1360
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 68200				

RSV ENGINEERING, INC.		BORING LOG		SCHAUMBURG, ILLINOIS				
JOB NO: 98600	CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO: RWBS-4						
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois		STATION: 10+788						
LOCATION: Retaining Wall Ramp B-5 SN 072-8558		OFFSET: 2.0m Rt						
BORING RIG & METHOD: CME-75 w/Hollow Stem Augers		SURF ELEV: 193.57						
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q _u kPa	STRAIN %	WATER CONTENT %
100mm Root Zone Material: Black Silty Loam A-4: Organic matter noted	193.47		0.00-0.30		Auger			24
Loose Br Sand A-1-b			0.30-0.76	330	3-6			13
	191.89		1.07-1.52	356	5 4-5			2
			1.83-2.29	457	10 12-15	278	15	14
Very Stiff to Hard Br Loam A-4			2.59-3.05	457	8 10-14	326	15	15
	189.61		3.35-3.81	457	8 10-12	460	15	15
Very Stiff to Hard Br Clay Loam A-4			4.11-4.57	457	5 8-10	220	15	16
	188.08		4.88-5.33	457	6 12-16	728	15	15
Stiff Br Clay Loam A-4			5.64-6.10	457	4 8-8	172	15	15
	187.32		6.40-6.86	406	11 17-18			15
Dense to Medium Dense Br Sand A-1-b			7.16-7.62	457	6 9-12			20
	185.80		7.92-8.38	457	12 17-20			21
Dense Br Sandy Loam A-2-4			8.69-9.14	457	21 27-18			28
	184.27		9.45-9.91	457	10 12-15	326	15	12
Very Stiff Br Loam A-4			10.21-10.67	457	9 10-12	239	15	13
	182.90		Boring terminated at 10.7m					
REMARKS						* Denotes Calibrated Penetrometer Estimate		
WATER	7.2m ELEV.	186.40 DURING DRILLING	∇ CORE SIZE	mm	DATE:	Apr 4, 00		
WATER	m ELEV.	AT COMPLETION	∇ CASING LENGTH	m	DRILLER:	Fehl		
WATER	Caved in 7.3m ELEV.	186.25 AFTER 1/4 HRS.	∇ CASING DIAMETER	mm	INSPECTOR:	Shook		

LEGEND

A-1 to A-7 (and subgroups) Engineering classifications of soil samples in accordance with AASHTO M 145 standard specification.

BLOWS/150mm Number of blows required to drive a standard soil sampling device 150 mm as conducted in accordance with AASHTO T 206 standard specification.

q_u, kPa Unconfined compression strength of soil sample in kilopascals determined in accordance with AASHTO T 208 standard specification.

STRAIN, % Actual strain of soil sample at failure (15 percent maximum allowed) during unconfined compression strength test (see AASHTO T 208 specification).

WATER CONTENT, % Natural moisture content of soil sample in percent determined in accordance with AASHTO T 265 standard specification.

Penetrometer Estimate An approximation of the unconfined compressive strength of the soil sample in kilopascals obtained with the use of a calibrated hand penetrometer device.

50 mm ST 50 mm diameter thin-walled tube (Shelby Tube) relatively undisturbed soil sample obtained in accordance with AASHTO T 207 standard specification.

Yd Dry unit weight of soil specimen in kilograms per cubic meter.

REC. Length of sample recovered in millimeters.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			
BORING LOGS II			
WALL NO. 9 - RAMP B-5 F.A.I ROUTE 74 SECTION (72-7)R-3 PEORIA COUNTY STATION 10+697.234 TO 10+800.000 (RAMP B-5) STRUCTURE NUMBER 072-8558			
PARSONS TRANSPORTATION GROUP CHICAGO, ILLINOIS			
DRAWING NO. 7	SCALE N.T.S.	DATE 6/25/04	SHEET NO. 7

Time: 12:21:59 PM

Date: 11/22/2004

Filename: P:\649996\structure\072-8558-Wall #9\sheet\Tracings\BL0002-1A072-8558.dgn

ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	615	1360
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 68200	

DESIGN SPECIFICATIONS

1996 AASHTO With 1997 Through 2002 Interims

DESIGN STRESSES

FIELD UNITS
 f'c = 24 MPa
 fy = 400 MPa (Reinf.)

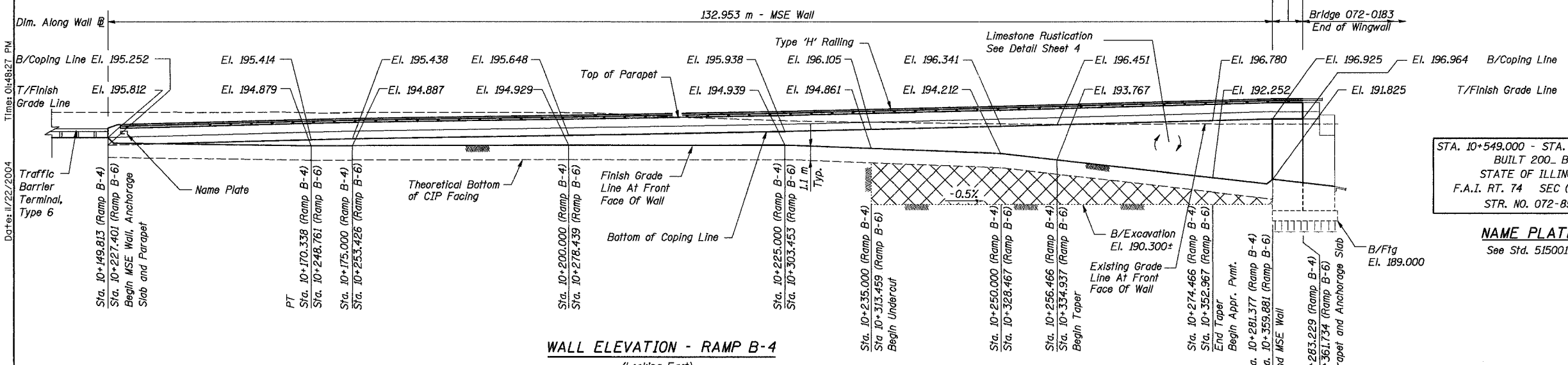
CURVE DATA

RAMP B-3 CURVE 231
 PI Sta. 10+287.126
 $\Delta = 47^\circ 56' 01''$ (RT)
 T = 55.567 m
 R = 125.000 m
 L = 104.575 m
 E = 11.794 m
 SE = 8.000%
 Transition In 10+196 to 10+249
 Transition Out 10+319 to 10+372
 PC Sta. 10+231.559
 PT Sta. 10+336.134

RAMP B-4 CURVE 240
 PI Sta. 10+098.757
 $\Delta = 72^\circ 44' 44''$ (LT)
 T = 98.757 m
 R = 134.085 m
 L = 170.241 m
 E = 32.444 m
 Transition In 10+013 to 10+075
 Transition Out 10+153 to 10+230
 SE = -7.900%
 PC Sta. 10+000.000
 PT Sta. 10+170.241

RAMP B-6 CURVE 263
 PI Sta. 10+230.221
 $\Delta = 15^\circ 50' 19''$ (LT)
 T = 18.779 m
 R = 135.000 m
 L = 37.319 m
 E = 1.300 m
 Transition In 10+167 to 10+232
 Transition Out 10+232 to 10+309
 SE = -7.900%
 PC Sta. 10+211.442
 PT Sta. 10+248.760

B. M. #49 : Southwest base bolt on aluminum light pole, north side of WB lanes, I-74 and 30 m west of bridge, War Memorial Drive spur over I-74, El. 190.771 m
 B. M. #3001 : Chiseled "□" on concrete sign base (I-74 - Bloomington/Galesburg) on west side of War Memorial Drive spur, El. 198.767 m
 Note: All dimensions are in millimeters except as noted.
 Construction Staging: Single Stage Construction



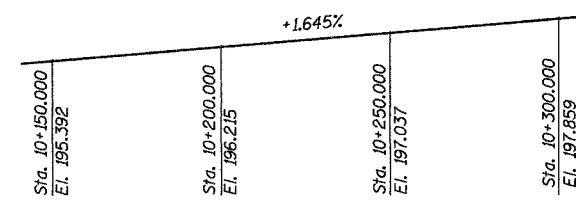
STA. 10+549.000 - STA. 10+574.516
 BUILT 200... BY
 STATE OF ILLINOIS
 F.A.I. RT. 74 SEC (72-7)R-3
 STR. NO. 072-8559

NAME PLATE
 See Std. 515001

Removal limits below bottom of CIP facing. Final limits of Removal and Disposal of Unsuitable Materials shall be determined by the Engineer at the time of construction.

GENERAL NOTES

- Reinforcement bars shall conform to the requirements of AASHTO M 31M or M 322M Grade 400.
- All dimensions are in millimeters (mm) except as noted.
- All construction joints shall be bonded.
- See Special Provision for Mechanically Stabilized Earth Retaining Walls with C.I.P. Facing for design and construction requirements.
- The MSE wall suppliers internal stability design shall account for the anchorage slab bearing pressure surcharge and a horizontal gliding force of 7.3 kN/m of wall.



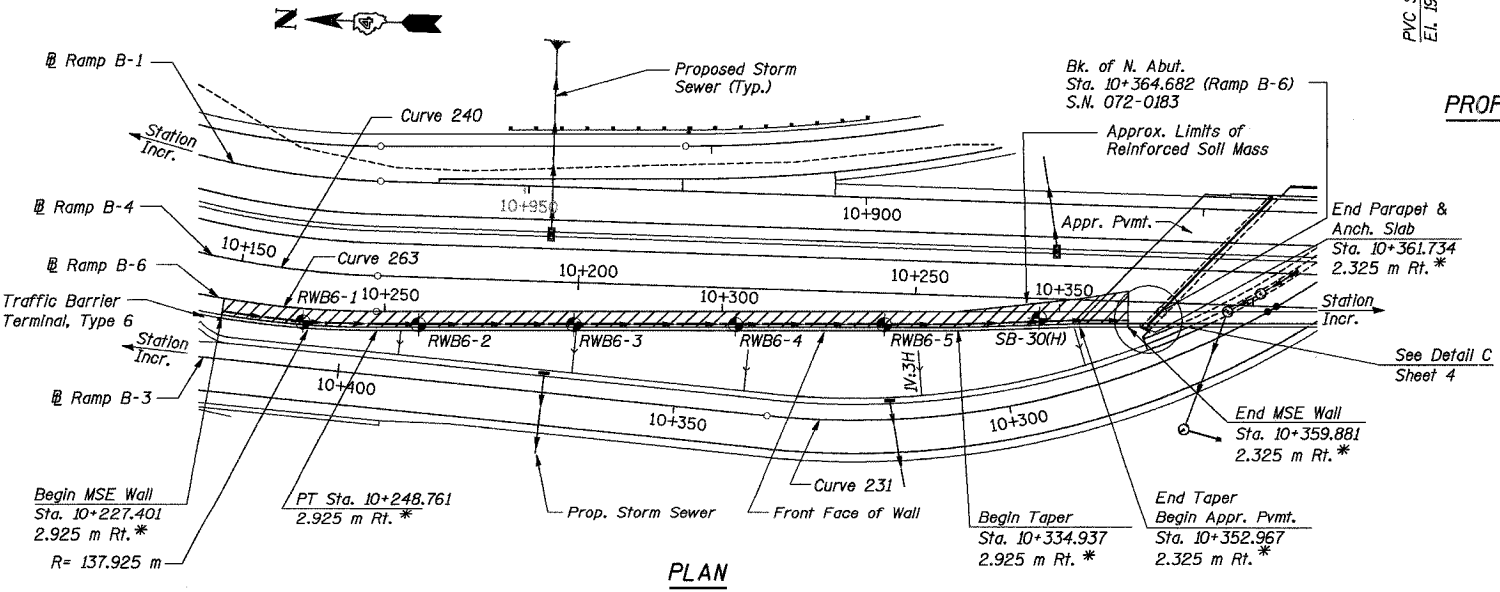
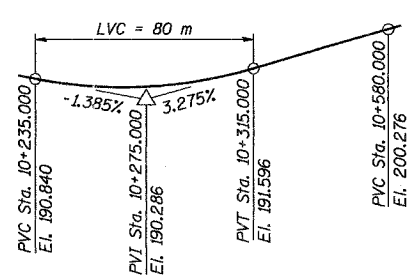
Note: P.G. Ramp B-6 dependent on Ramp B-4

INDEX OF SHEETS

- General Plan and Elevation
- Anchorage Slab and Parapet Reinforcing Details I
- Anchorage Slab and Parapet Reinforcing Details II
- Typical Sections and Misc. Details
- Railing Details - Single Rail
- Boring Logs I
- Boring Logs II
- Boring Logs III
- Boring Logs IV
- Boring Logs V

TOTAL BILL OF MATERIAL

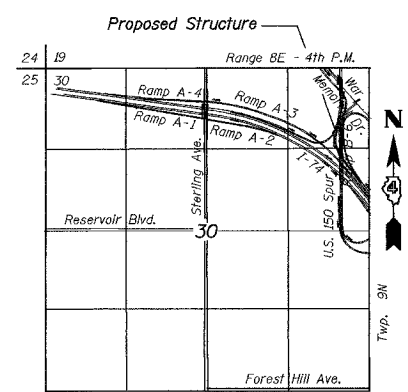
ITEM	UNIT	TOTAL
Name Plates	Each	1
Removal and Disposal of Unsuitable Material	m ³	810
Porous Granular Embankment	m ³	810
French Drains	m ³	23.9
Structure Excavation	m ³	1215
Concrete Structures	m ³	126.6
Concrete Superstructure	m ³	33.0
Reinforcement Bars, Epoxy Coated	kg	19470
Form Liner Limestone Surface	m ²	401
Aluminum Railing, Type H, Special	m	133.5
Mechanically Stabilized Earth Retaining Wall with Cast-In-Place Facing	m ²	342



* Offsets Refer to Ramp B-6 Sta. at Wall @. See Typical Sections for Details.

⊕ Boring Location

Designed by: EI/WEE
 Checked by: MA/AK
 Drafted by: EI/WEE
 Checked by: AK



LOCATION SKETCH

REVISION	DATE	DESCRIPTION

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

GENERAL PLAN AND ELEVATION

WALL NO. 10 - RAMP B-4
 F.A.I. ROUTE 74 SECTION (72-7)R-3
 PEORIA COUNTY
 STA. 10+149.813 TO STA 10+281.377 (RAMP B-4)
 STRUCTURE NUMBER 072-8559

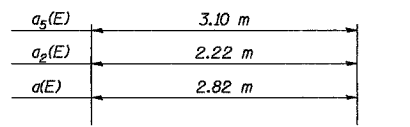
PARSONS TRANSPORTATION GROUP
 CHICAGO, ILLINOIS

DRAWING NO.	SCALE	DATE	SHEET NO.
1	N.T.S.	6/25/04	1

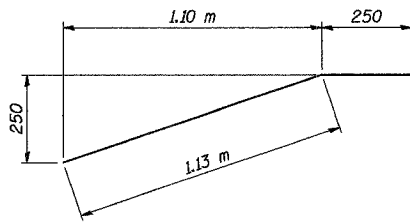
ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	617	1360
FED. ROAD DIST. NO. 7	ILLINOIS		FED. AID PROJECT	

BILL OF MATERIAL

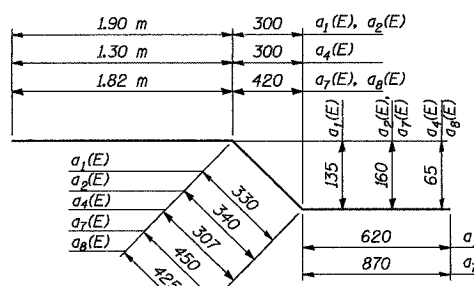
Bar	No.	Size	Length (m)	Shape
a(E)	460	#25	3.24	
a ₁ (E)	394	#20	2.85	
a ₂ (E)	66	#20	2.86	
a ₃ (E)	31	#25	2.64	
a ₄ (E)	31	#20	2.23	
a ₅ (E)	20	#15	1.70	
a ₆ (E)	2	#25	3.52	
a ₇ (E)	1	#20	3.14	
a ₈ (E)	1	#20	3.12	
a ₉ (E)	2	#15	2.40	
a ₁₀ (E)	228	#25	0.60	
b(E)	345	#15	9.02	
b ₁ (E)	12	#15	9.19	
b ₂ (E)	7	#15	8.67	
d(E)	487	#15	0.97	
d ₁ (E)	446	#15	1.48	
d ₂ (E)	6	#15	1.31	
d ₃ (E)	6	#15	1.60	
d ₄ (E)	120	#15	0.64	
e(E)	84	#15	8.90	
e ₁ (E)	6	#15	8.67	
e ₂ (E)	28	#25	8.90	
e ₃ (E)	2	#25	8.67	
e ₄ (E)	2	#15	1.38	
Reinforcement Bars, Epoxy Coated			kg	19470
Concrete Structures			m ³	126.6
Concrete Superstructure			m ³	33.0



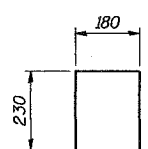
BARS a₁(E), a₂(E), a₅(E)



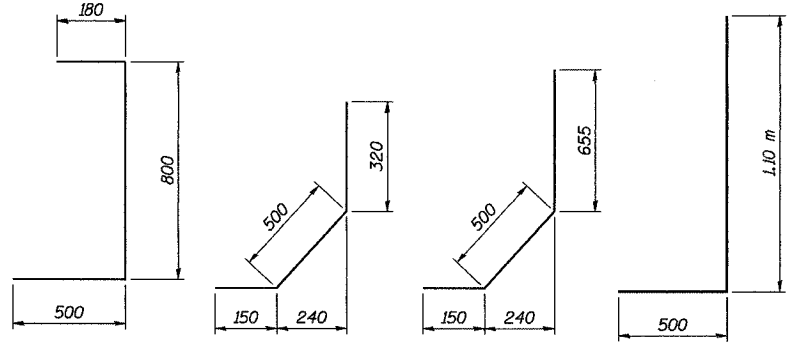
BAR e₄(E)



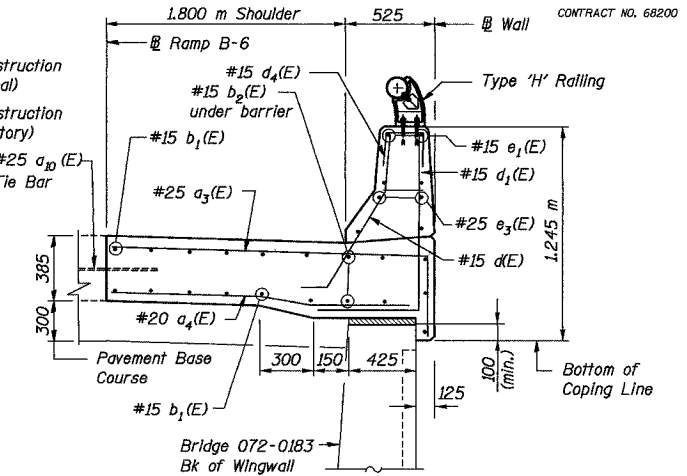
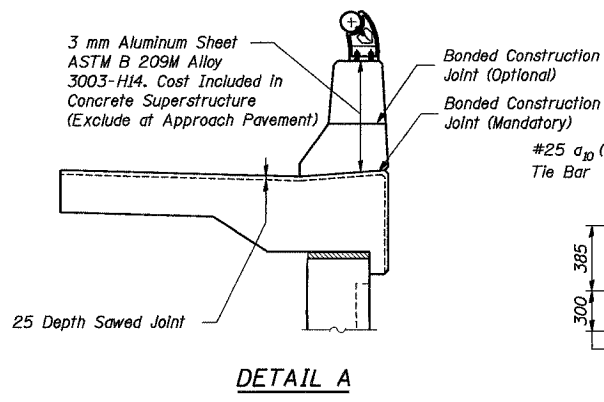
BARS a₁(E), a₂(E), a₄(E), a₇(E), a₈(E)



BAR d₄(E)

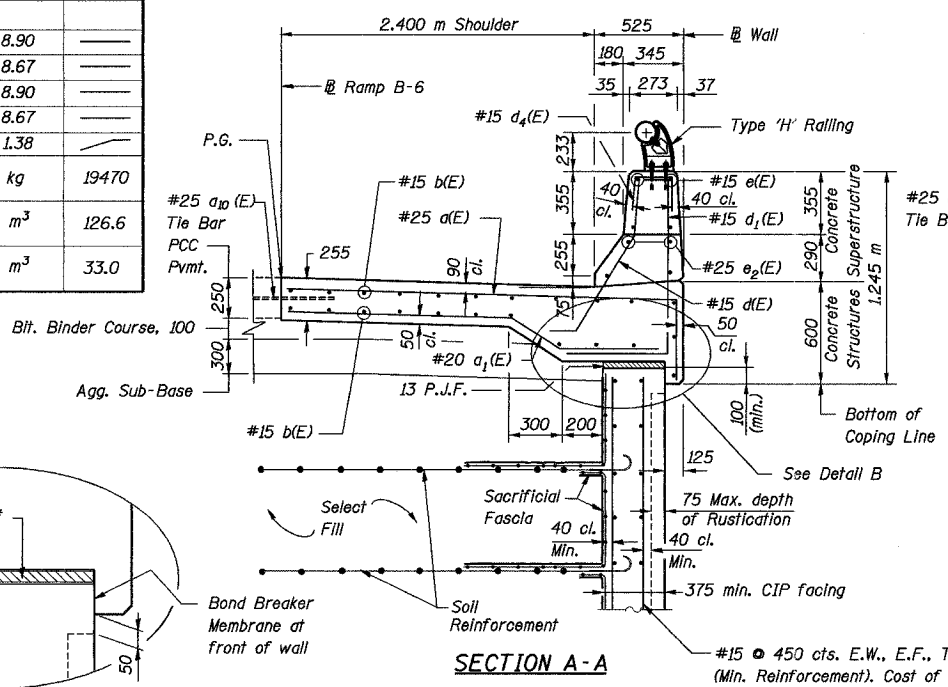


BAR d₁(E) BAR d(E) BAR d₂(E) BAR d₃(E)

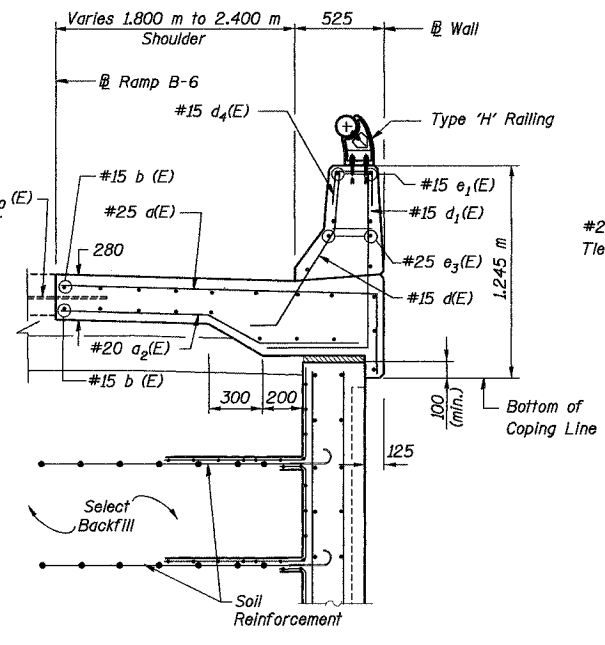


SECTION D-D

Details not shown similar to Section A-A

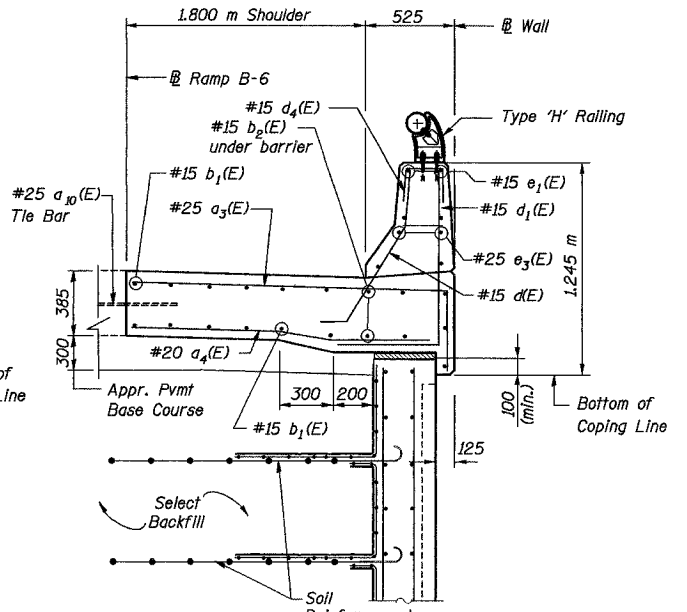


SECTION A-A



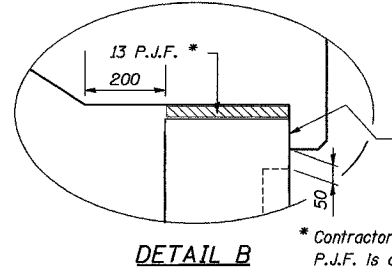
SECTION B-B

Details not shown similar to Section A-A



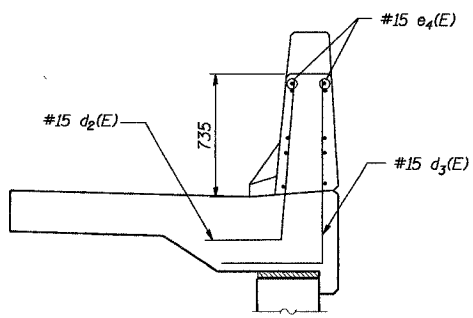
SECTION C-C

Details not shown similar to Section A-A

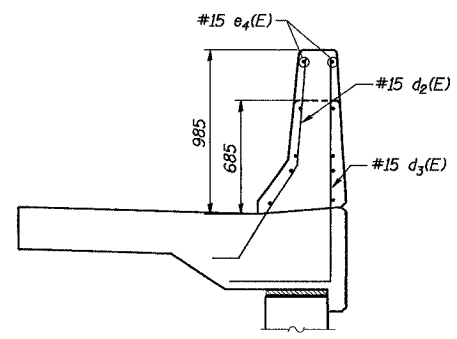


DETAIL B

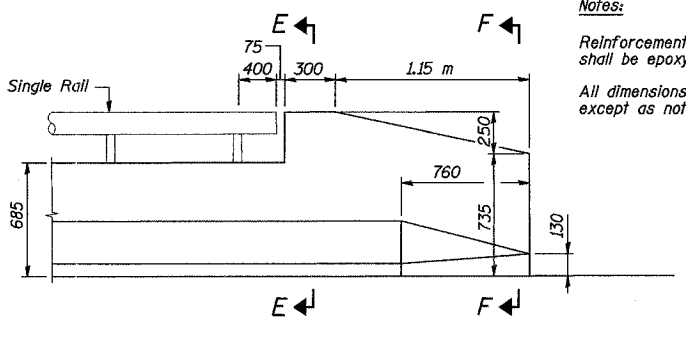
* Contractor shall ensure that the top of P.J.F. is clear of select fill or other debris before placing anchorage slab concrete.



SECTION F-F



SECTION E-E



VIEW I-1 - PARAPET END SECTION FOR TERMINAL BARRIER TYPE 6 (Inside View)

Notes:
Reinforcement bars designated (E) shall be epoxy coated.
All dimensions are in millimeters (mm) except as noted.

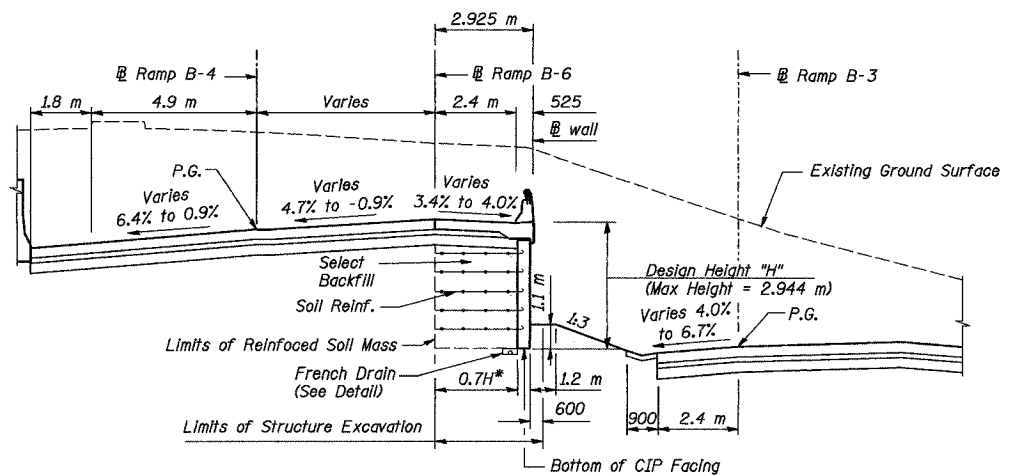
REVISION	DATE	DESCRIPTION
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION ANCHORAGE SLAB AND PARAPET REINFORCING DETAILS II WALL NO. 10 - RAMP B-4 F.A.I. ROUTE 74 SECTION (72-7)R-3 PEORIA COUNTY STA. 10+149.813 TO STA 10+281.377 (RAMP B-4) STRUCTURE NUMBER 072-8559 PARSONS TRANSPORTATION GROUP CHICAGO, ILLINOIS		
DRAWING NO. 3	SCALE N.T.S.	DATE 6/25/04 SHEET NO. 3

Date: 11/22/2004
 Time: 01:49:09 PM
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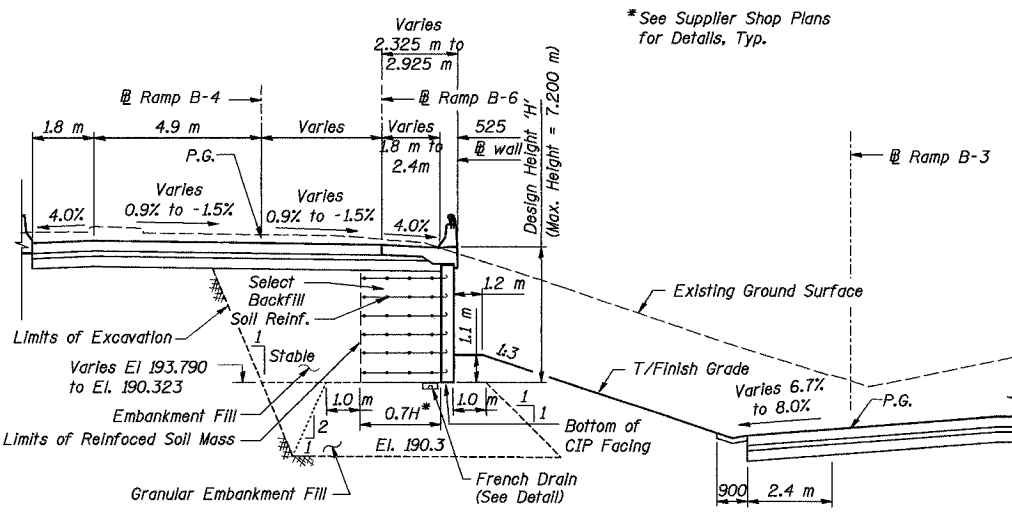
Designed by: WEE
 Checked by: AK
 Drafted by: WEE
 Checked by: AK

ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	618	1360
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

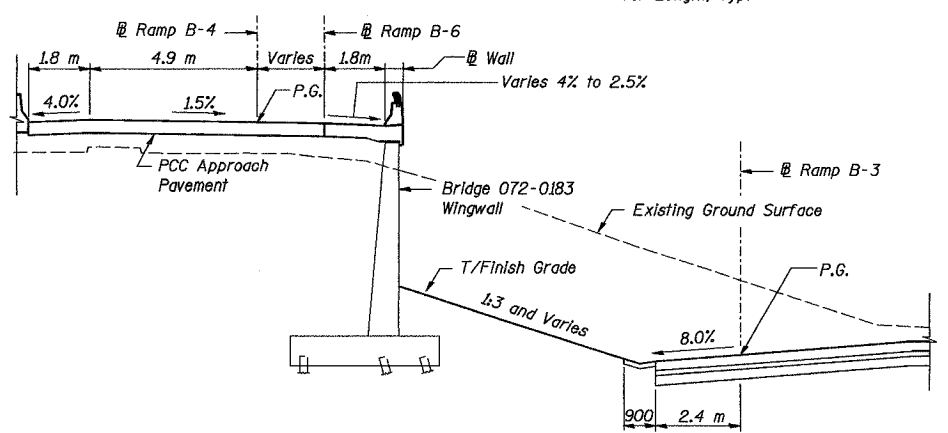
CONTRACT NO. 68200



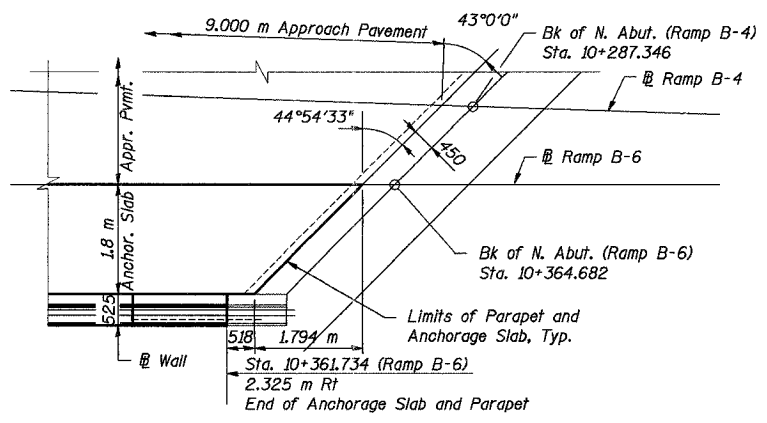
TYPICAL SECTION STA. 10+149.813 TO 10+235.000
(Looking South)



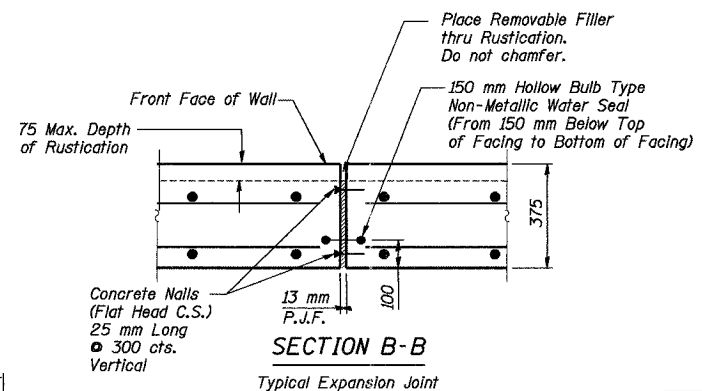
TYPICAL SECTION STA. 10+235.000 TO 10+281.377
(Looking South)



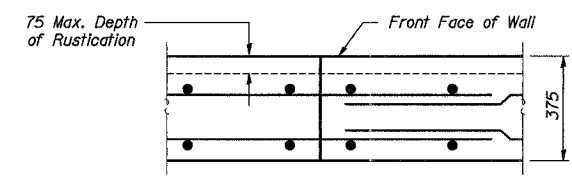
TYPICAL SECTION STA. 10+281.377 TO 10+283.229
(Looking South)



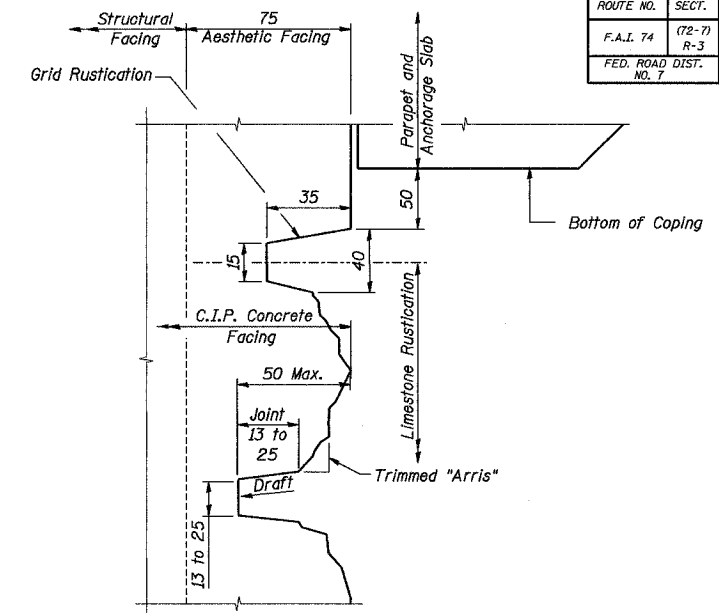
DETAIL C



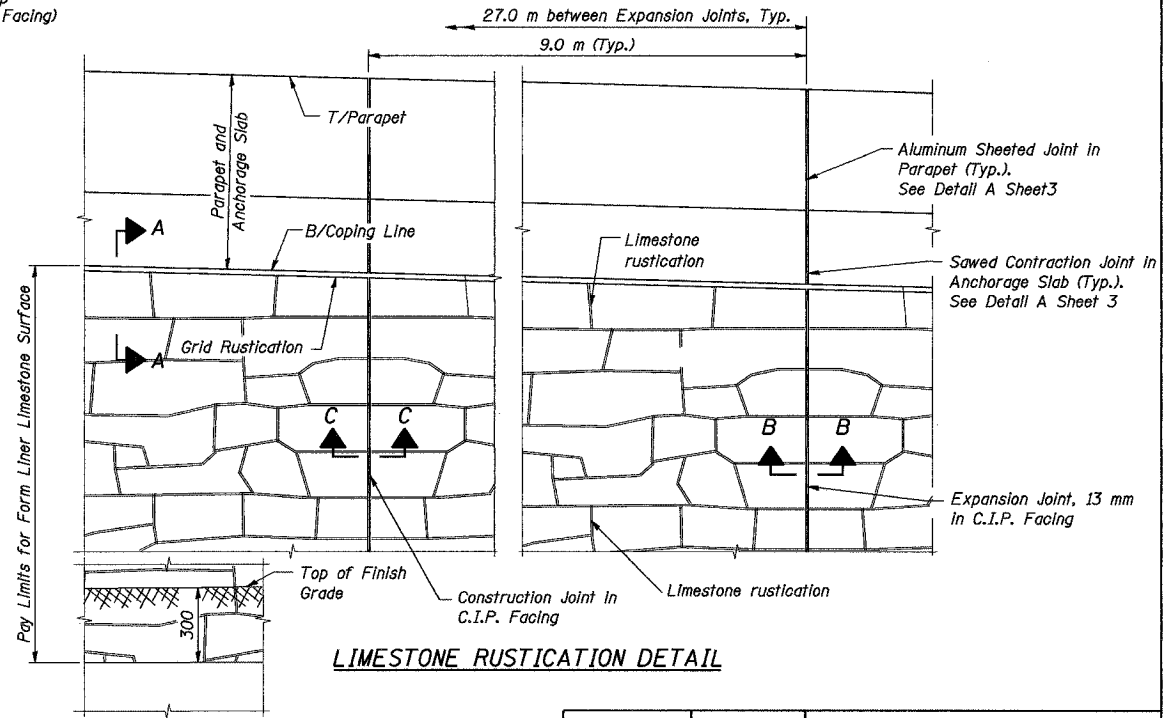
SECTION B-B
Typical Expansion Joint



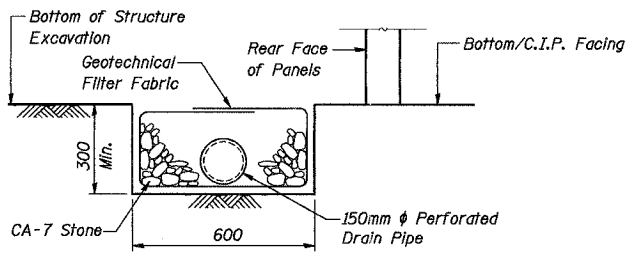
SECTION C-C
Typical Construction Joint



SECTION A-A



LIMESTONE RUSTICATION DETAIL



FRENCH DRAIN DETAIL

Notes:
All dimensions are in millimeters (mm) except as noted.
Wall Drainage System shall connect to Bridge 072-0183 wingwall drainage.
The French Drain Installation shall follow Section 601 of the Standard Specifications except that the trench will be filled with CA-7 coarse aggregate. The trench shall be lined with Geotechnical Filter Fabric for French Drains and have a 150 mm diameter perforated drain pipe located near the base of the excavation. The cost of the Geotechnical Filter Fabric and perforated drain pipe is included with the pay item French Drains.

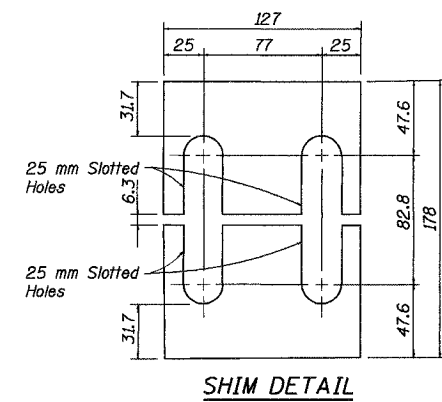
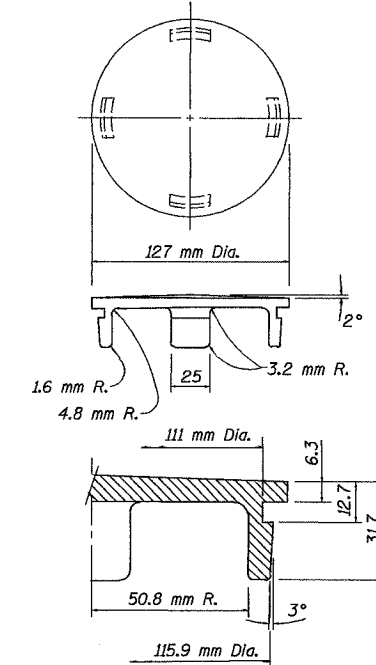
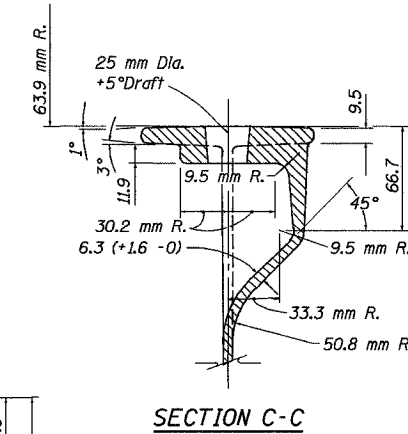
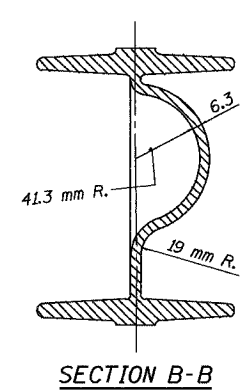
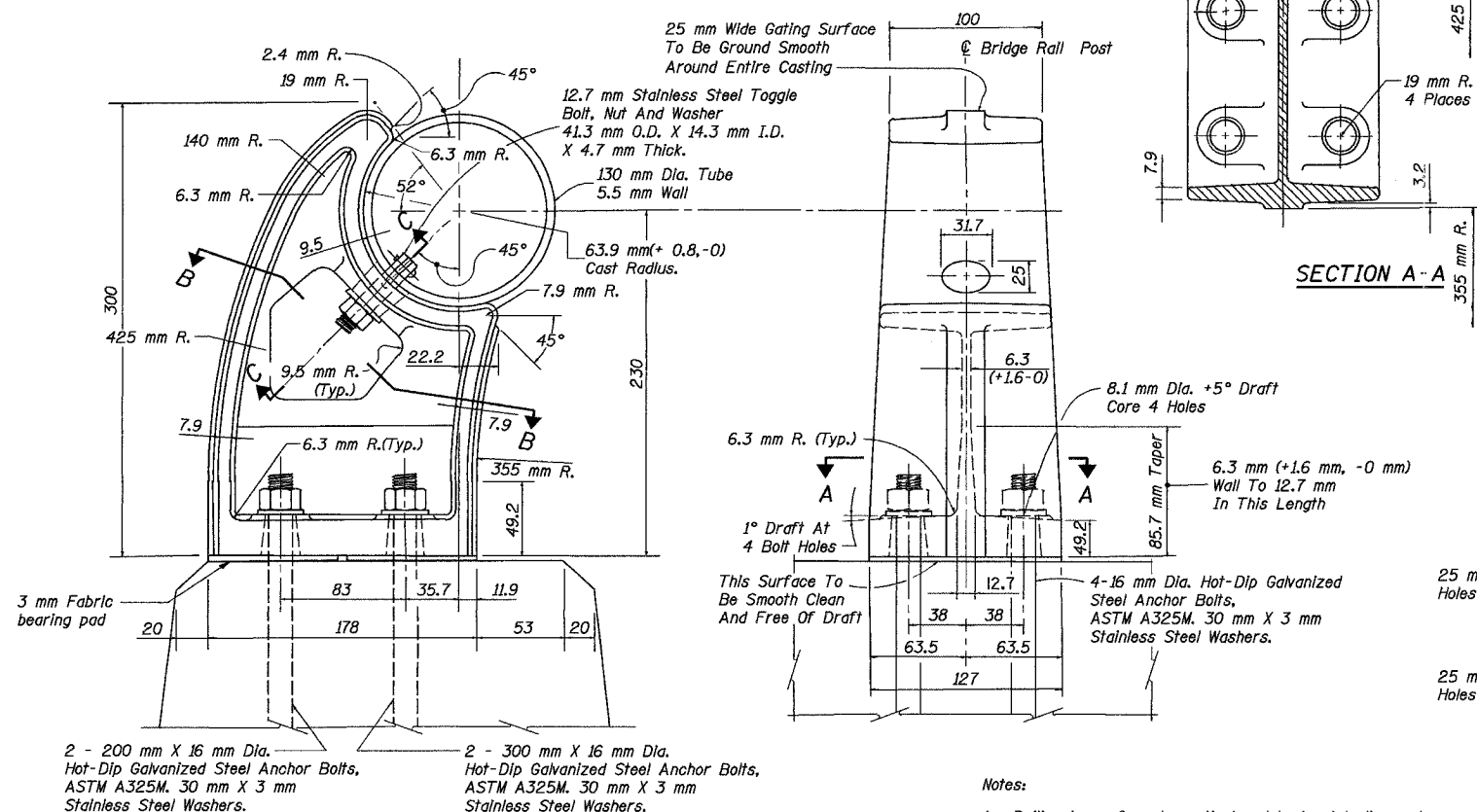
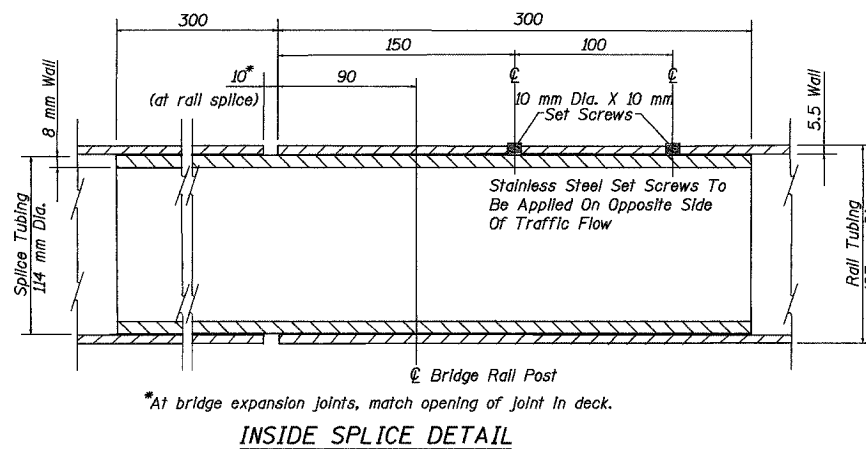
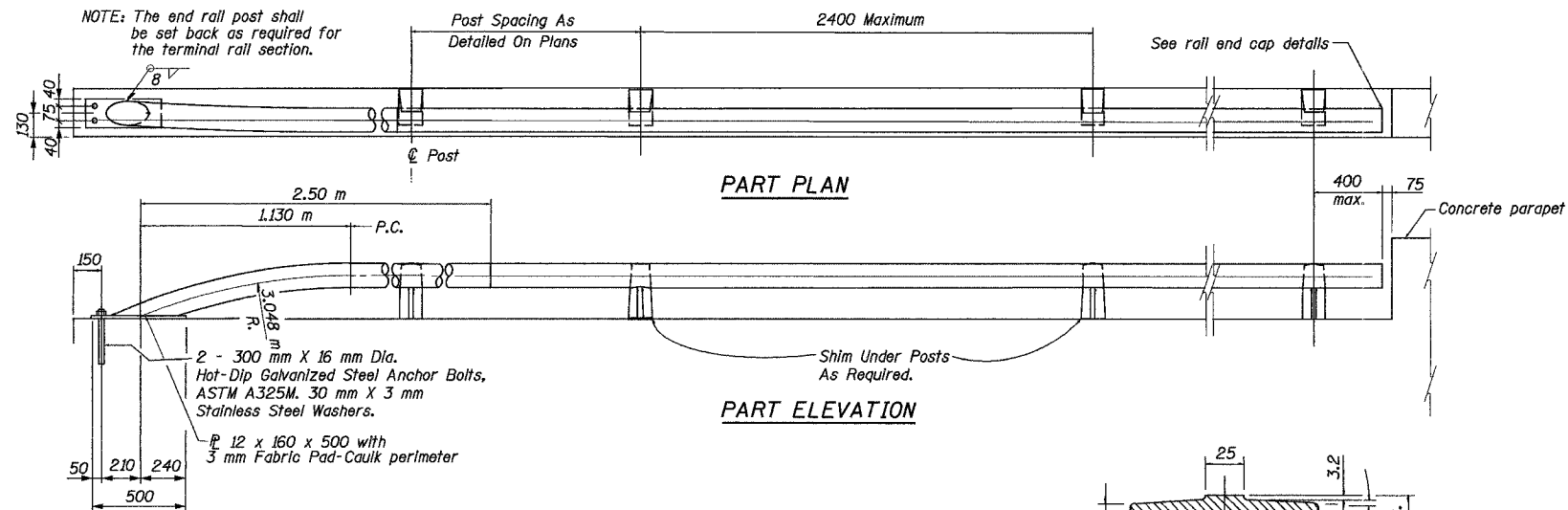
REVISION	DATE	DESCRIPTION
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		
TYPICAL SECTIONS AND MISC. DETAILS		
WALL NO. 10 - RAMP B-4 F.A.I. ROUTE 74 SECTION (72-7)R-3 PEORIA COUNTY STA. 10+149.813 TO STA 10+281.377 (RAMP B-4) STRUCTURE NUMBER 072-8559		
PARSONS TRANSPORTATION GROUP CHICAGO, ILLINOIS		
DRAWING NO. 4	SCALE N.T.S.	DATE 6/25/04
		SHEET NO. 4

Time: 01:49:26 PM Date: 11/22/2004 File: P:\643996\struc\ur\072-8559-Wall\10-sheet\Tracings\T0001-A0728559.dgn

Designed by: EI/WEE
Checked by: WEE/AK
Drafted by: EI
Checked by: AK

ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	619	1360
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 68200



BILL OF MATERIAL

Item	Unit	Quantity
Aluminum Railing, Type H, Special	m	133.5

- Notes:
- Railing to conform to vertical and horizontal alignment.
 - Joint to be placed 7500 mm center to center, max.
 - Slip joint to be placed in panels to match expansion joints in deck.
 - Design weight: 9.3 kg. per meter.
 - Unless otherwise specified all draft to be 3°.
 - All unmarked Radius to be 3 mm R.
 - After fabrication, exposed surfaces of aluminum shall be given an anodic oxide coating, dyed black, conforming to the requirements of ASTM designation: B 580, Type B, Architectural Class I.

REVISION	DATE	DESCRIPTION
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		
RAILING DETAILS - SINGLE RAIL		
WALL NO. 10 - RAMP B-4 F.A.I. ROUTE 74 SECTION (72-7)R-3 PEORIA COUNTY STA. 10+149.813 TO STA 10+281.377 (RAMP B-4) STRUCTURE NUMBER 072-8559		
PARSONS TRANSPORTATION GROUP CHICAGO, ILLINOIS		
DRAWING NO. 5	SCALE N.T.S.	DATE 6/25/04
		SHEET NO. 5

Date: 11/22/2004 Time: 03:41:41 PM File: P:\643996\Structural\072-8559-Wall\10-sheet\Tracings\RD0001-1A0728559.dgn

ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	620	1360
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 68200

LEGEND - RSV ENGINEERING INC. (NOW BLOOM CONSULTANTS, LLC) TEST BORING LOGS

- A-1 to A-7 (and subgroups) Engineering classifications of soil samples in accordance with AASHTO M 145 standard specification.
- BLOWS/150mm Number of blows required to drive a standard soil sampling device 150 mm as conducted in accordance with AASHTO T 206 standard specification.
- q_u, kPa Unconfined compression strength of soil sample in kilopascals determined in accordance with AASHTO T 208 standard specification.
- STRAIN, % Actual strain of soil sample at failure (15 percent maximum allowed) during unconfined compression strength test (see AASHTO T 208 specification).
- WATER CONTENT, % Natural moisture content of soil sample in percent determined in accordance with AASHTO T 265 standard specification.
- Penetrometer Estimate An approximation of the unconfined compressive strength of the soil sample in kilopascals obtained with the use of a calibrated hand penetrometer device.
- 50 mm ST 50 mm diameter thin-walled tube (Shelby Tube) relatively undisturbed soil sample obtained in accordance with AASHTO T 207 standard specification.
- Yd Dry unit weight of soil specimen in kilograms per cubic meter.
- REC. Length of sample recovered in millimeters.

Date: 11/22/2004 Time: 04:49:48 PM File: P:\643996\structural\072-8559-Wall #10\sheet\Tracings\BL0001-AD728559.dgn

RSV ENGINEERING, INC.		BORING LOG		SCHAUMBURG, ILLINOIS					
JOB NO: 98600	CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO: RWB6-1	STATION: 10+238	OFFSET: 2.0m Rt	SURF ELEV: 197.65				
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois	LOCATION: Retaining Wall Ramp B-6 SN 072-8559	BORING RIG & METHOD: CME-55 w/Hollow Stem Augers							
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q _u kPa	STRAIN %	WATER CONTENT %	
90mm Bituminous Concrete FILL: Br Sand A-1-a	197.34		0.00-0.30	Auger					
			0.30-0.76	305	3-4	239#		22	
			1.07-1.52	330	3-5	287#		24	
Very Stiff Br Clay Loam A-6			1.83-2.29	381	1 4-5	297	15	20	
			2.59-3.05	254	2 5-6	259	15	18	
			3.35-3.81	406	3 4-6	297	15	22	
			4.11-4.57	457	3 6-8	259	15	22	
Medium Dense Br Sand A-1-b	192.68	5	4.88-5.33	381	3 6-7			8	
Medium Dense Br Sand A-1-a	191.86		5.64-6.10	406	7 12-14			4	
	190.97		6.40-6.86	457	5 6-8	431	15	12	
			7.16-7.62	457	9 14-18	508	15	12	
			7.92-8.38	457	5 13-14	479	15	12	
			8.69-9.14	457	3 6-9	297	15	13	
Hard to Very Stiff Br & Gr Loam A-4		10	9.45-9.91	457	4 8-10	335	15	14	
			10.21-10.67	457	5 6-8	220	15	14	
			10.97-11.43	432	3 4-7	220	15	14	
			11.73-12.19	457	2 5-7	259	15	13	
REMARKS: CME Automatic Hammer Used.						# Denotes Calibrated Penetrometer Estimate			
WATER	Dry	ELEV. DURING DRILLING	CORE SIZE	mm	DATE: Mar 1, 00				
WATER	m	ELEV. AT COMPLETION	CASING LENGTH	m	DRILLER: Winslow				
WATER	Dry	ELEV. AFTER 1/4 HRS.	CASING DIAMETER	mm	INSPECTOR: Nelson				

RSV ENGINEERING, INC.		BORING LOG		SCHAUMBURG, ILLINOIS					
JOB NO: 98600	CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO: RWB6-1	STATION: 10+238	OFFSET: 2.0m Rt	SURF ELEV: 197.65				
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois	LOCATION: Retaining Wall Ramp B-6 SN 072-8559	BORING RIG & METHOD: CME-55 w/Hollow Stem Augers							
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q _u kPa	STRAIN %	WATER CONTENT %	
Hard to Very Stiff Br & Gr Loam A-4			12.50-12.95	457	3 6-9	345	15	14	
			13.26-13.72	457	5 6-11	316	15	13	
			14.02-14.48	457	4 6-12	239	15	12	
Boring terminated at 14.5m									
REMARKS: CME Automatic Hammer Used.						# Denotes Calibrated Penetrometer Estimate			
WATER	Dry	ELEV. DURING DRILLING	CORE SIZE	mm	DATE: Mar 1, 00				
WATER	m	ELEV. AT COMPLETION	CASING LENGTH	m	DRILLER: Winslow				
WATER	Dry	ELEV. AFTER 1/4 HRS.	CASING DIAMETER	mm	INSPECTOR: Nelson				

RSV ENGINEERING, INC.		BORING LOG		SCHAUMBURG, ILLINOIS					
JOB NO: 98600	CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO: RWB6-2	STATION: 10+255	OFFSET: 2.0m Rt	SURF ELEV: 197.57				
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois	LOCATION: Retaining Wall Ramp B-6 SN 072-8559	BORING RIG & METHOD: CME-55 w/Hollow Stem Augers							
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q _u kPa	STRAIN %	WATER CONTENT %	
90mm Bituminous Concrete FILL: Br Sand A-1-a	197.32		0.00-0.30	Auger					
			0.30-0.76	330	3 5-8	335#		14	
			1.07-1.52	305	1 1-2	335	15	15	
Very Stiff Br Clay Loam A-6			1.83-2.29	254	3 4-5	192#		15	
			2.59-3.05	406	2 4-5	268	15	24	
			3.35-3.81	432	3 6-10	249	15	15	
			4.11-4.57	457	3 3-5	335	15	36	
Medium Dense Br Sand A-1-b	192.39	5	4.88-5.33	432	3 7-9			8	
	192.08		5.64-6.10	457	3 6-8	345	15	15	
Very Stiff to Hard Br to Gr Loam A-4			6.40-6.86	457	5 6-11	575	15	14	
			7.16-7.62	457	4 5-8	383	15	13	
	189.95		7.92-8.38	457	3 6-10	297	15	13	
			8.69-9.14	457	3 5-8	306	15	13	
Very Stiff to Hard Br to Gr Silty Clay Loam A-4		10	9.45-9.91	457	6 7-10	354	15	13	
			10.21-10.67	457	3 5-7	249	15	14	
			10.97-11.43	406	3 5-8	249	15	14	
			11.73-12.19	457	3 5-7	220	15	14	
REMARKS: CME Automatic Hammer Used.						# Denotes Calibrated Penetrometer Estimate			
WATER	14.4m	ELEV. DURING DRILLING	CORE SIZE	mm	DATE: Mar 1, 00				
WATER	m	ELEV. AT COMPLETION	CASING LENGTH	m	DRILLER: Winslow				
WATER	14.3m	ELEV. AFTER 1/4 HRS.	CASING DIAMETER	mm	INSPECTOR: Nelson				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS I

WALL NO. 10 - RAMP B-4
F.A.I. ROUTE 74 SECTION (72-7)R-3
PEORIA COUNTY
STA. 10+149.813 TO STA 10+281.377 (RAMP B-4)
STRUCTURE NUMBER 072-8559

PARSONS TRANSPORTATION GROUP
CHICAGO, ILLINOIS

DRAWING NO. 6	SCALE N.T.S.	DATE 6/25/04	SHEET NO. 6
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ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	651	1360
FED. ROAD NO. 7	DIST.	ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 68200

LEGEND - RSV ENGINEERING INC. (NOW BLOOM CONSULTANTS, LLC) TEST BORING LOGS

- A-1 to A-7 (and subgroups) Engineering classifications of soil samples in accordance with AASHTO M 145 standard specification.
- BLOWS/150mm Number of blows required to drive a standard soil sampling device 150 mm as conducted in accordance with AASHTO T 206 standard specification.
- q_u, kPa Unconfined compression strength of soil sample in kilopascals determined in accordance with AASHTO T 208 standard specification.
- STRAIN, % Actual strain of soil sample at failure (15 percent maximum allowed) during unconfined compression strength test (see AASHTO T 208 specification).
- WATER CONTENT, % Natural moisture content of soil sample in percent determined in accordance with AASHTO T 265 standard specification.
- Penetrometer Estimate An approximation of the unconfined compressive strength of the soil sample in kilopascals obtained with the use of a calibrated hand penetrometer device.
- 50 mm ST 50 mm diameter thin-walled tube (Shelby Tube) relatively undisturbed soil sample obtained in accordance with AASHTO T 207 standard specification.
- Yd Dry unit weight of soil specimen in kilograms per cubic meter.
- REC. Length of sample recovered in millimeters.

RSV ENGINEERING, INC.		BORING LOG		SCHAUMBURG, ILLINOIS				
JOB NO: 98600	CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO: RWB6-2	STATION: 10+255	OFFSET: 2.0m Rt	SURF ELEV: 197.57			
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois	LOCATION: Retaining Wall Ramp B-6 SN 072-8559	BORING RIG & METHOD: CME-55 w/Hollow Stem Augers	Boring terminated at 15.2m					
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q _u kPa	STRAIN %	WATER CONTENT %
Very Stiff to Hard Br to Gr Silty Clay Loam A-4	183.46		12.50-12.95	457	3 5-8	239	15	13
			13.26-13.72	119	5 14-10	450	15	14
Medium Dense Br Sand A-1-b	182.72		14.02-14.48	457	5 10-12			21
Medium Dense Gr Sandy Loam A-2-4	182.33	15	14.78-15.24	457	3 5-6			17
Boring terminated at 15.2m								
REMARKS: CME Automatic Hammer Used.						#Denotes Calibrated Penetrometer Estimate		
WATER	14.4m ELEV.	183.18 DURING DRILLING	∅CORE SIZE	mm	DATE:	Mar 1, 00		
WATER	m ELEV.	AT COMPLETION	∅CASING LENGTH	m	DRILLER:	Winslow		
WATER	14.3m ELEV.	183.24 AFTER 1/4 HRS.	∅CASING DIAMETER	mm	INSPECTOR:	Nelson		

RSV ENGINEERING, INC.		BORING LOG		SCHAUMBURG, ILLINOIS				
JOB NO: 98600	CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO: RWB6-3	STATION: 10+278	OFFSET: 2.0m Rt	SURF ELEV: 197.51			
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois	LOCATION: Retaining Wall Ramp B-6 SN 072-8559	BORING RIG & METHOD: CME-75 w/Hollow Stem Augers	Boring terminated at 14.5m					
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q _u kPa	STRAIN %	WATER CONTENT %
150mm Bituminous Concrete	197.36		0.00-0.30	Auger				
Stiff Br Clay Loam A-6	196.59		0.30-0.76	381	6-8	172	15	21
			1.07-1.52	457	13 12-21			5
Dense to Medium Dense Br Sand A-1-a	194.76		1.83-2.29	457	7 10-10			14
Stiff Br Loam A-4	194.31		2.59-3.05	457	5 7-10	153	15	17
Medium Dense Br Sand A-1-b	193.24		3.35-3.81	457	8 12-11			14
			4.11-4.57	457	4 7-11	469	15	15
		5	4.88-5.33	432	8 8-12	393	15	14
			5.64-6.10	457	8 6-10	440	15	16
			6.40-6.86	457	6 8-12	421	15	15
Hard to Very Stiff Br Loam A-4			7.16-7.62	457	8 12-20	402	15	12
			7.92-8.38	457	12 18-21	488	15	13
			8.69-9.14	457	9 13-16	460	15	12
			9.45-9.91	457	7 10-11	354	15	14
		10	10.21-10.67	457	5 8-12	259	15	13
			10.97-11.43	457	17 18-20			13
Dense Br Sand A-1-b	185.47		11.73-12.19	457	11 15-19			9
Dense Br Silt A-4								
REMARKS						#Denotes Calibrated Penetrometer Estimate		
WATER	11.6m ELEV.	185.93 DURING DRILLING	∅CORE SIZE	mm	DATE:	Apr 4, 00		
WATER	m ELEV.	AT COMPLETION	∅CASING LENGTH	m	DRILLER:	Fehl		
WATER	Caved in 10.7m ELEV.	186.84 AFTER 1/4 HRS.	∅CASING DIAMETER	mm	INSPECTOR:	Shook		

RSV ENGINEERING, INC.		BORING LOG		SCHAUMBURG, ILLINOIS				
JOB NO: 98600	CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO: RWB6-3	STATION: 10+278	OFFSET: 2.0m Rt	SURF ELEV: 197.51			
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois	LOCATION: Retaining Wall Ramp B-6 SN 072-8559	BORING RIG & METHOD: CME-75 w/Hollow Stem Augers	Boring terminated at 14.5m					
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q _u kPa	STRAIN %	WATER CONTENT %
Dense Br Silt A-4	184.40		12.50-12.95	457	9 13-21			23
			13.26-13.72	457	22 27-28			16
Very Dense Br Sand A-1-b	183.03		14.02-14.48	457	13 21-36			17
Boring terminated at 14.5m								
REMARKS						#Denotes Calibrated Penetrometer Estimate		
WATER	11.6m ELEV.	185.93 DURING DRILLING	∅CORE SIZE	mm	DATE:	Apr 4, 00		
WATER	m ELEV.	AT COMPLETION	∅CASING LENGTH	m	DRILLER:	Fehl		
WATER	Caved in 10.7m ELEV.	186.84 AFTER 1/4 HRS.	∅CASING DIAMETER	mm	INSPECTOR:	Shook		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS II

WALL NO. 10 - RAMP B-4
F.A.I. ROUTE 74 SECTION (72-7)R-3
PEORIA COUNTY
STA. 10+149.813 TO STA 10+281.377 (RAMP B-4)
STRUCTURE NUMBER 072-8559

PARSONS TRANSPORTATION GROUP
CHICAGO, ILLINOIS

DRAWING NO. 7	SCALE N.T.S.	DATE 6/25/04	SHEET NO. 7
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Date: 11/22/2004 Time: 09:50:04 PM

File name: F:\643996\structural\072-8559-Wall #10-sheet1-Tracings\BL0002-1A0728559.dgn

ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	622	1360
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 68200

LEGEND - RSV ENGINEERING INC. (NOW BLOOM CONSULTANTS, LLC) TEST BORING LOGS

- A-1 to A-7 (and subgroups) Engineering classifications of soil samples in accordance with AASHTO M 145 standard specification.
- BLOWS/150mm Number of blows required to drive a standard soil sampling device 150 mm as conducted in accordance with AASHTO T 206 standard specification.
- q_u, kPa Unconfined compression strength of soil sample in kilopascals determined in accordance with AASHTO T 208 standard specification.
- STRAIN, % Actual strain of soil sample at failure (15 percent maximum allowed) during unconfined compression strength test (see AASHTO T 208 specification).
- WATER CONTENT, % Natural moisture content of soil sample in percent determined in accordance with AASHTO T 265 standard specification.
- Penetrometer Estimate An approximation of the unconfined compressive strength of the soil sample in kilopascals obtained with the use of a calibrated hand penetrometer device.
- 50 mm ST 50 mm diameter thin-walled tube (Shelby Tube) relatively undisturbed soil sample obtained in accordance with AASHTO T 207 standard specification.
- Y_d Dry unit weight of soil specimen in kilograms per cubic meter.
- REC. Length of sample recovered in millimeters.

RSV ENGINEERING, INC.		SCHAUMBURG, ILLINOIS						
BORING LOG								
JOB NO: 98600	CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO: RWB6-4	STATION: 10+302					
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois		OFFSET: 2.0m Rt						
LOCATION: Retaining Wall Ramp B-6 SN 072-8559		SURF ELEV: 197.23						
BORING RIG & METHOD: CME-75 w/Hollow Stem Augers								
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q _u kPa	STRAIN %	WATER CONTENT %
150mm Bituminous Concrete	197.00		0.00-0.30	Auger				
Hard Br Silty Clay Loam A-4	196.31		0.30-0.76	457	11-10	508	15	11
Medium Dense Br Sand A-1-b			1.07-1.52	457	14			9
			1.83-2.29	457	13			6
Hard Br Loam A-4			2.59-3.05	457	3	383	15	12
			3.35-3.81	457	32			6
Loose Br Sand A-1-b			4.11-4.57	457	4			14
			4.88-5.33	457	7	354	15	14
Very Stiff to Hard Br Loam A-4			5.64-6.10	457	6	316	15	14
			6.40-6.86	457	4	373	15	15
			7.16-7.62	457	5	488	15	14
Very Stiff Br Silty Clay Loam A-4			7.92-8.38	457	6	354	15	13
			8.69-9.14	457	5	354	15	12
			9.45-9.91	457	7	373	15	13
Dense Br Sand A-1-a			10.21-10.67	457	12			4
			10.97-11.43	457	9			22
Medium Dense to Dense Br Silt A-4	184.88		11.73-12.19	457	13			24

REMARKS: #Denotes Calibrated Penetrometer Estimate

WATER 11.6m ELEV. 185.65 DURING DRILLING AT COMPLETION AFTER 1/4 HRS. CORE SIZE mm DATE: Apr 4, 00 CASING LENGTH m DRILLER: Fehl INSPECTOR: Shock

RSV ENGINEERING, INC.		SCHAUMBURG, ILLINOIS						
BORING LOG								
JOB NO: 98600	CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO: RWB6-4	STATION: 10+302					
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois		OFFSET: 2.0m Rt						
LOCATION: Retaining Wall Ramp B-6 SN 072-8559		SURF ELEV: 197.23						
BORING RIG & METHOD: CME-75 w/Hollow Stem Augers								
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q _u kPa	STRAIN %	WATER CONTENT %
Medium Dense Br Silt A-4	184.27		12.50-12.95	457	6			16
Boring terminated at 13.0m								

REMARKS: #Denotes Calibrated Penetrometer Estimate

WATER 11.6m ELEV. 185.65 DURING DRILLING AT COMPLETION AFTER 1/4 HRS. CORE SIZE mm DATE: Apr 4, 00 CASING LENGTH m DRILLER: Fehl INSPECTOR: Shock

RSV ENGINEERING, INC.		SCHAUMBURG, ILLINOIS						
BORING LOG								
JOB NO: 98600	CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO: RWB6-5	STATION: 10+324					
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois		OFFSET: 2.0m Rt						
LOCATION: Retaining Wall Ramp B-6 SN 072-8559		SURF ELEV: 197.01						
BORING RIG & METHOD: CME-75 w/Hollow Stem Augers								
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q _u kPa	STRAIN %	WATER CONTENT %
125mm Bituminous Concrete	196.97		0.00-0.30	Auger				
Very Stiff Br Loam A-4			0.30-0.76	305	5-7	335	15	13
			1.07-1.52	432	6			11
Medium Dense Br Sand A-1-b			1.83-2.29	457	7			9
			2.59-3.05	457	3	38	15	20
Soft to Medium Stiff Br Clay A-6			3.35-3.81	457	4	57	15	18
			4.11-4.57	457	5	354	15	25
Very Stiff to Stiff Br Silty Loam A-7-6			4.88-5.33	457	4	105	15	29
			5.64-6.10	457	2	106		29
Very Soft Br Clay A-6			6.40-6.86	457	3			6
			7.16-7.62	381	9			11
Medium Dense Br Sand A-1-b			7.92-8.38	457	7	278	15	14
			8.69-9.14	457	8	287	15	13
			9.45-9.91	457	5	383	15	13
Very Stiff Br Silty Clay Loam A-4			10.21-10.67	457	4	220	15	13
			10.97-11.43	406	8			14
Medium Dense to Dense Br Sandy Loam A-2-4			11.73-12.19	457	5			17

REMARKS: * Water Introduced into borehole below 17.1m. #Denotes Calibrated Penetrometer Estimate

WATER 11.6m ELEV. 185.43 DURING DRILLING AT COMPLETION AFTER 1/4 HRS. CORE SIZE mm DATE: Apr 5, 00 CASING LENGTH m DRILLER: Fehl INSPECTOR: Shock

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS III

WALL NO. 10 - RAMP B-4
F.A.I. ROUTE 74 SECTION (72-7)R-3
PEORIA COUNTY
STA. 10+149.813 TO STA 10+281.377 (RAMP B-4)
STRUCTURE NUMBER 072-8559

PARSONS TRANSPORTATION GROUP
CHICAGO, ILLINOIS

DRAWING NO. 8	SCALE N.T.S.	DATE 6/25/04	SHEET NO. 8
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Date: 11/22/2004 Time: 01:50:25 PM Filename: P:\649996\str\struct\072-8559-Wall #10-sheet\Tracings\BL0003-1A0728559.dgn

ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	623	1360
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 6B200

LEGEND - RSV ENGINEERING INC. (NOW BLOOM CONSULTANTS, LLC) TEST BORING LOGS

A-1 to A-7 (and subgroups)	Engineering classifications of soil samples in accordance with AASHTO M 145 standard specification.	Penetrometer Estimate	An approximation of the unconfined compressive strength of the soil sample in kilopascals obtained with the use of a calibrated hand penetrometer device.
BLOWS/150mm	Number of blows required to drive a standard soil sampling device 150 mm as conducted in accordance with AASHTO T 206 standard specification.	50 mm ST	50 mm diameter thin-walled tube (Shelby Tube) relatively undisturbed soil sample obtained in accordance with AASHTO T 207 standard specification.
q _u , kPa	Unconfined compression strength of soil sample in kilopascals determined in accordance with AASHTO T 208 standard specification.	Yd	Dry unit weight of soil specimen in kilograms per cubic meter.
STRAIN, %	Actual strain of soil sample at failure (15 percent maximum allowed) during unconfined compression strength test (see AASHTO T 208 specification).	REC.	Length of sample recovered in millimeters.
WATER CONTENT, %	Natural moisture content of soil sample in percent determined in accordance with AASHTO T 265 standard specification.		

RSV ENGINEERING, INC.		BORING LOG		SCHAUMBURG, ILLINOIS				
JOB NO: 98600	CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO: RWB6-5	STATION: 10+324					
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois		LOCATION: Retaining Wall Ramp B-6 SN 072-8559	OFFSET: 2.0m Rt					
BORING RIG & METHOD: CME-75 w/Hollow Stem Augers		SURF ELEV: 197.01						
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q _u kPa	STRAIN %	WATER CONTENT %
Medium Dense to Dense Br Sandy Loam A-2-4	183.90		12.50-12.95	457	9	14-16		15
Medium Dense Br Silt A-4	183.14		13.26-13.72	457	8	11-14		21
Loose to Very Loose Br Sandy Loam A-2-4	181.62	15	14.02-14.48	457	5	4-3		22
			14.78-15.24	457	1	1-2		21
Loose Br Sand A-1-a	180.85		15.54-16.00	457	3	3-5		13
Dense Br Sand A-1-b	179.48		16.31-16.76	457	10	15-22		10
			17.07-17.53	457	12	17-20		15
Boring terminated at 17.5m								
REMARKS: * Water introduced into borehole below 17.1m. * Denotes Calibrated Penetrometer Estimate								
WATER	11.6m ELEV.	185.43	DURING DRILLING	∅ CORE SIZE	mm	DATE:	Apr 5, 00	
WATER	m ELEV.		AT COMPLETION	∅ CASING LENGTH	m	DRILLER:	Fehl	
WATER	*m ELEV.		AFTER HRS.	∅ CASING DIAMETER	mm	INSPECTOR:	Shook	

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			
BORING LOGS IV			
WALL NO. 10 - RAMP B-4 F.A.I. ROUTE 74 SECTION (72-7)R-3 PEORIA COUNTY STA. 10+149.813 TO STA 10+281.377 (RAMP B-4) STRUCTURE NUMBER 072-8559			
PARSONS TRANSPORTATION GROUP CHICAGO, ILLINOIS			
DRAWING NO. 9	SCALE N.T.S.	DATE 6/25/04	SHEET NO. 9

Time: 01:50:44 PM

Date: 11/22/2004

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ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	624	1360
FED. ROAD NO. 7	DIST.	ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 68200

LEGEND - CLAUDE H. HURLEY COMPANY TEST BORING LOGS

A-1 to A-8 Engineering classifications of soil in accordance with AASHTO M 145 standard specification.

Silty Clay Loam Textural classification of soil in accordance with IDOT Triangular Chart.

Laminated Coal Shale Textural and engineering classification of bedrock in accordance with conventional practice.

N,Bp0.15m N-value or standard penetration test value. Number of blows required to drive a standard split-spoon sampler 0.15 m as conducted in accordance with AASHTO T 206 standard specification.

Q_u , kPa Unconfined compression strength of soil in kilopascals determined in accordance with AASHTO T 208 standard specification.

w, % Natural moisture content of soil and bedrock in percent determined in accordance with AASHTO T 265 standard specification and AASHTO T 265/ASTM D 2216 for bedrock.

Yd, kgpm³ Dry unit weight of soil and bedrock in kilograms per cubic meter determined in accordance with standard practice.

GROUNDWATER DATA

DD Water Level During Drilling
 BAR Water Level Before Auger Removal
 AAR Water Level After Auger Removal
 DC Dry Cave Level
 WC Wet Cave Level
 d Days
 h Hours

DRILLING METHOD

FA Flight Auger
 RW Rotary Wash
 HSA Hollow Stem Auger

SAMPLE TYPE

AU Auger
 SS Standard Split-barrel
 ST Thin-walled Tube
 DB Core Barrel

NOTES

1. The abbreviations, symbols and definitions in this Legend are commonly used and understood in the engineering and construction practices and are presented only for information and communication.

2. The Geotechnical Data presented in this Legend and on the Boring Logs are to be interpreted by personnel educated, trained, experienced and licensed to practice Geotechnical Engineering, and in direct communication with the Claude H. Hurley Company.

Time: 01:51:07 PM

Date: 11/22/2004
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CLAUDE H. HURLEY COMPANY									
BORING LOG					BORING NO. SB-30				
PROJECT NO. 3-380-05									
PROJECT FAI-74 IMPROVEMENTS - WAR MEMORIAL DRIVE CORRIDOR									
LOCATION PRELIMINARY BRIDGE RAMP B-4BL 10+268.8 2.96R PEORIA & TAZEWELL COUNTIES, ILLINOIS									
DRILLING CONTRACTOR D & G DRILLING, INC./CENTRAL ILLINOIS DRILLING COMPANY									
DATE OF DRILLING: STARTED 11-21-94 COMPLETED 3-1-96 SURFACE ELEVATION 196.75									
DRILLED BY D. ROESEL/R. WULF LOGGED BY K. OLSON/S. ARENDIS									
Elev	CLASSIFICATION	Depth	GROUNDWATER DATA				DRILLING METHOD		
			N	Q_u	w	Yd	DATE	DEPTH	HOUR
196.45	SHOULDER MATERIALS: 58mm AC, 254mm GRAVELLY SAND, A-1-b	4				DD	11-21	12.65	
	FILL: BR & GR BR SILTY CLAY LOAM, A-4	5	240	18		WC	3-1	7.62	0
		6					3-6	4.82	5d
195.84		7							
	FILL: GR & BR GRAVELLY SAND, A-1-b	8		9					
		10							
		11							
		12							
		13							
		14							
		15							
		16							
		17							
		18							
		19							
		20							
		21							
		22							
		23							
		24							
		25							
		26							
		27							
		28							
		29							
		30							

CLAUDE H. HURLEY COMPANY									
BORING LOG					BORING NO. SB-30 (CONT.)				
PROJECT NO. 3-380-05									
PROJECT FAI-74 IMPROVEMENTS - WAR MEMORIAL DRIVE CORRIDOR									
LOCATION PRELIMINARY BRIDGE RAMP B-4BL 10+268.8 2.96R PEORIA & TAZEWELL COUNTIES, ILLINOIS									
DRILLING CONTRACTOR D & G DRILLING, INC./CENTRAL ILLINOIS DRILLING COMPANY									
DATE OF DRILLING: STARTED 11-21-94 COMPLETED 3-1-96 SURFACE ELEVATION 196.75									
DRILLED BY D. ROESEL/R. WULF LOGGED BY K. OLSON/S. ARENDIS									
Elev	CLASSIFICATION	Depth	GROUNDWATER DATA				DRILLING METHOD		
			N	Q_u	w	Yd	DATE	DEPTH	HOUR
182.27	END OF BORING	11-21-94							
181.81	BR SAND, A-3	14							
		15							
		16							
		17							
		18							
		19							
		20							
		21							
		22							
		23							
		24							
		25							
		26							
		27							
		28							
		29							
		30							

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BORING LOGS V

WALL NO. 10 - RAMP B-4
 F.A.I. ROUTE 74 SECTION (72-7)R-3
 PEORIA COUNTY
 STA. 10+149.813 TO STA 10+281.377 (RAMP B-4)
 STRUCTURE NUMBER 072-8559

PARSONS TRANSPORTATION GROUP
 CHICAGO, ILLINOIS

DRAWING NO. 10	SCALE N.T.S.	DATE 6/25/04	SHEET NO. 10
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B. M. #49 : Southwest base bolt on aluminum light pole, north side of WB lanes, I-74 and 30 m± west of bridge, War Memorial Drive spur over I-74, El. 190.771 m
 B. M. #3001 : Chiseled "□" on concrete sign base (I-74 - Bloomington/Galesburg) on west side of War Memorial Drive spur, El. 198.767 m
 Construction Staging: Single Stage Construction

ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	625	1360
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

DESIGN SPECIFICATIONS
 1996 AASHTO With 1997 Through 2002 Interims

CURVE DATA

RAMP B-6 CURVE 260
 PI Sta. 10+030.227
 $\Delta = 17^\circ 11' 19''$ (RT)
 T = 30.227 m
 R = 200.000 m
 L = 60.000 m
 E = 2.271 m
 Transition In Turning Roadway
 Transition Out Sta. 10+027 to 10+060
 SE = 2.52%
 PC Sta. 10+000.000
 PCC Sta. 10+060.000

RAMP B-6 CURVE 261

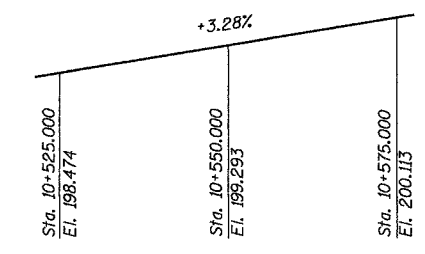
PI Sta. 10+080.272
 $\Delta = 18^\circ 25' 26''$ (RT)
 T = 20.272 m
 R = 125.000 m
 L = 40.195 m
 E = 1.633 m
 Transition In 10+060 to 10+076
 Transition Out N/A
 SE = 8.000%
 PCC Sta. 10+060.000
 PCC Sta. 10+100.195

RAMP B-6 CURVE 262

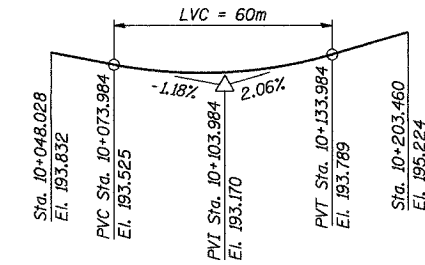
PI Sta. 10+114.596
 $\Delta = 19^\circ 13' 55''$ (RT)
 T = 14.401 m
 R = 85.000 m
 L = 28.531 m
 E = 1.211 m
 Transition In N/A
 Transition Out 10+107 to 10+167
 SE = 8.0%
 PCC Sta. 10+100.195
 PT Sta. 10+128.726

DESIGN STRESSES

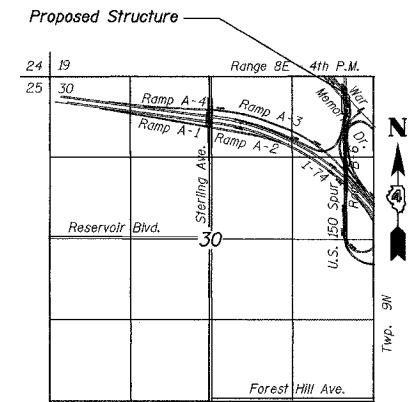
FIELD UNITS
 $f'c = 24$ MPa
 $f_y = 400$ MPa (Reinf.)



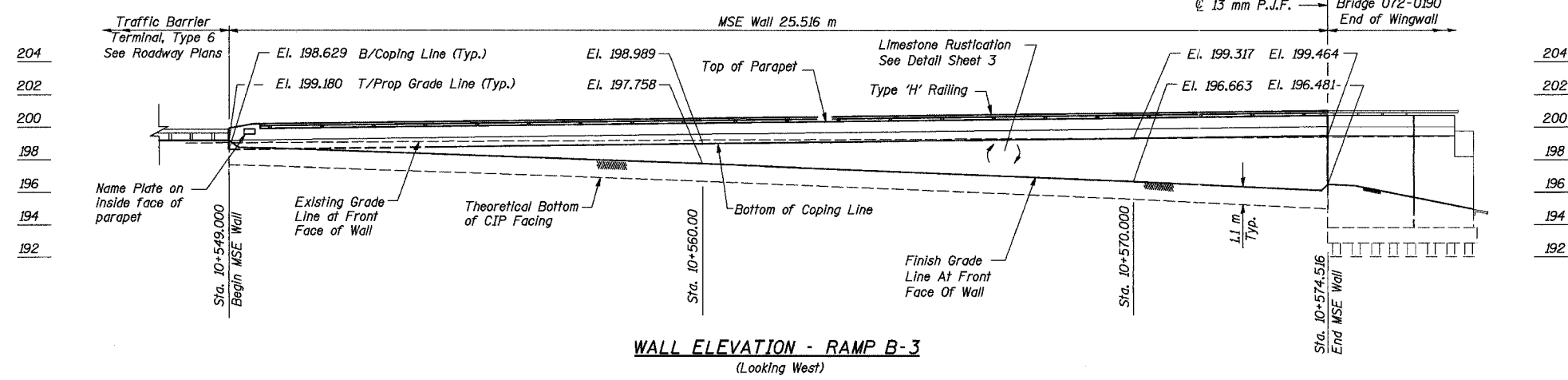
PROFILE GRADE RAMP B-3
 (Along @ Ramp B-3)



PROFILE GRADE RAMP B-6
 (Along @ Ramp B-6)



LOCATION SKETCH



WALL ELEVATION - RAMP B-3
 (Looking West)

STA. 10+549.000 - STA. 10+574.516
 BUILT 200_ BY
 STATE OF ILLINOIS
 F.A.I. RT. 74 SEC (72-7)R-3
 STR. NO. 072-8560

NAME PLATE
 See Std. 515001

INDEX OF SHEETS

1. General Plan and Elevation
2. Anchorage Slab and Parapet Reinforcing Details
3. Typical Sections and Misc. Details
4. Railing Details - Single Rail
5. Boring Logs I
6. Boring Logs II

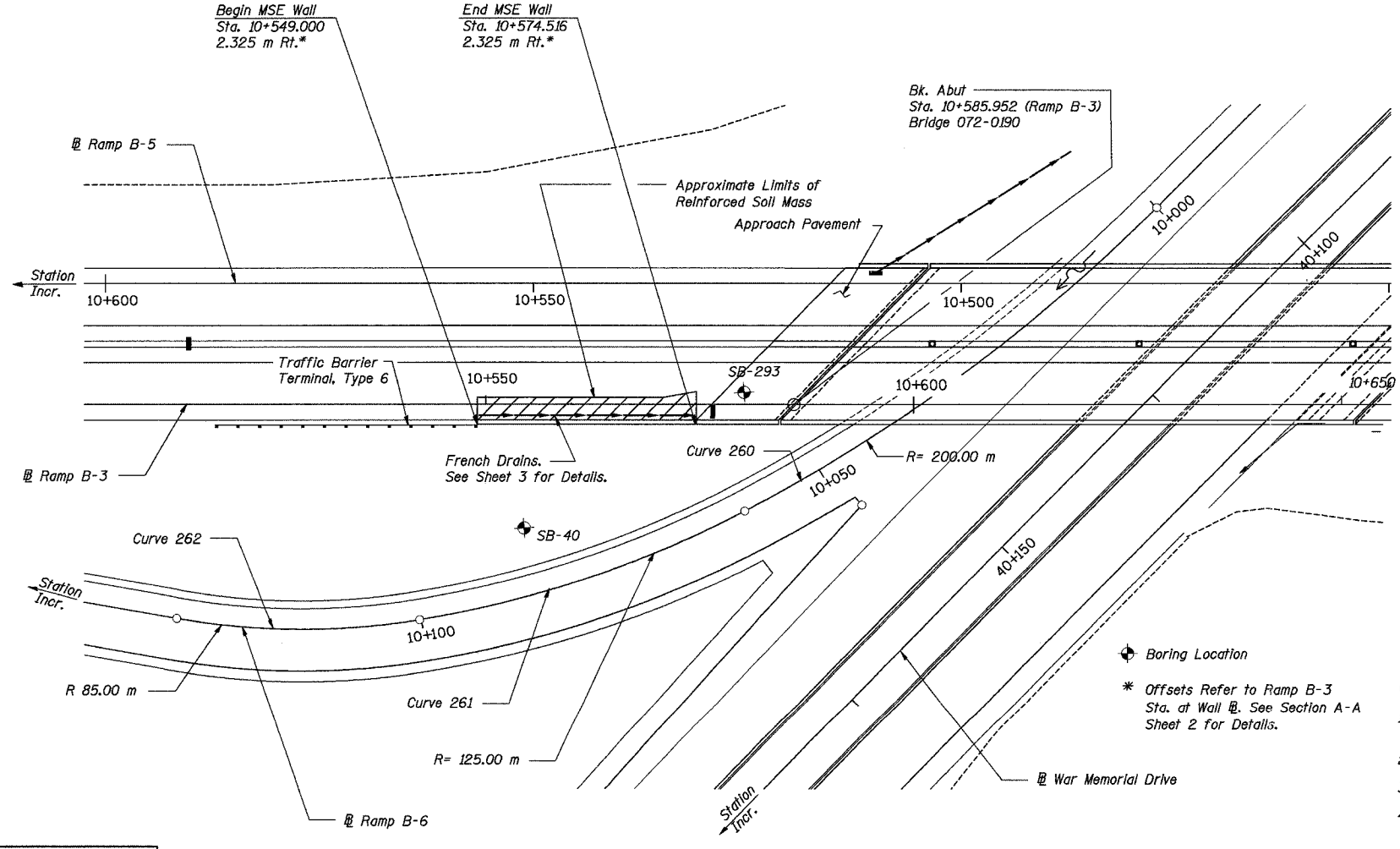
TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Name Plates	Each	1
French Drains	m ³	4.6
Structure Excavation	m ³	179
Concrete Structures	m ³	21.8
Concrete Superstructure	m ³	6.3
Reinforcement Bars, Epoxy Coated	kg	3320
Form Liner Limestone Surface	m ²	79
Aluminum Railing, Type H, Special	m	24
Mechanically Stabilized Earth Retaining Wall with Cast-In-Place Facing	m ²	67

GENERAL NOTES

1. Reinforcement bars shall conform to the requirements of AASHTO M 31M or M 322M Grade 400.
2. All dimensions are in millimeters (mm) except as noted.
3. All construction joints shall be bonded.
4. See Special Provision for Mechanically Stabilized Earth Retaining Walls with C.I.P. Facing for design and construction requirements.
5. The MSE wall supplier's internal stability design shall account for the anchorage slab bearing pressure surcharge and a horizontal sliding force of 7.3 kN/m of wall.

Note: Wall Drainage System shall connect to Bridge 072-0190 abutment drainage.



PLAN

Designed by: EI/WEE
 Checked by: WEE/AK
 Drafted by: WEE
 Checked by: AK



REVISION	DATE	DESCRIPTION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION

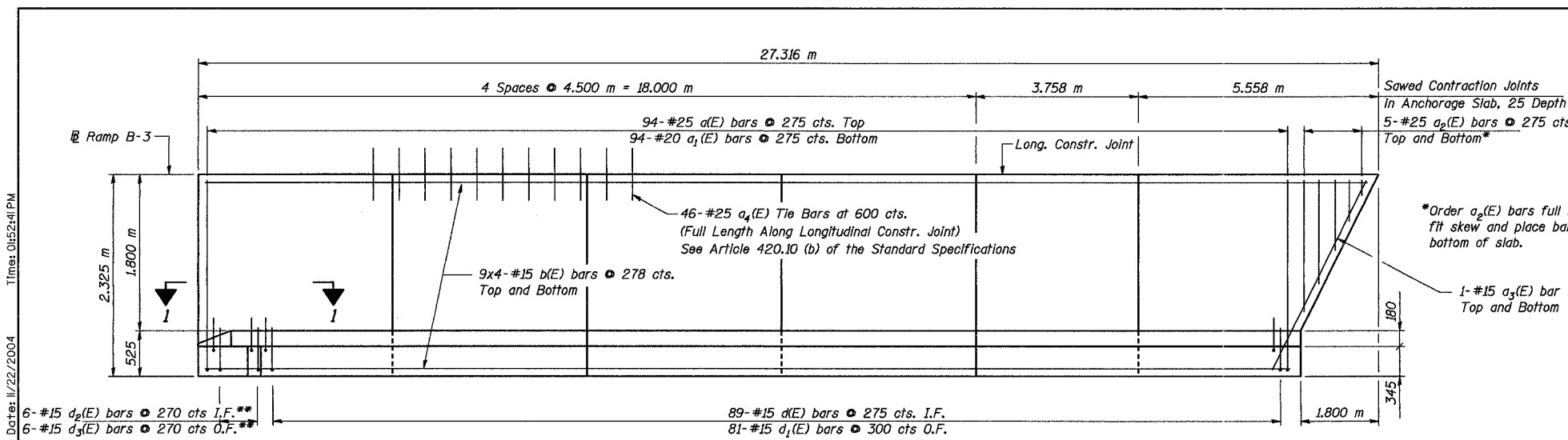
WALL NO. 11 - RAMP B-3
 F.A.I. ROUTE 74 SECTION (72-7)R-3
 PEORIA COUNTY
 STATION 10+549.000 TO 10+574.516 (RAMP B-3)
 STRUCTURE NUMBER 072-8560

PARSONS TRANSPORTATION GROUP
 CHICAGO, ILLINOIS

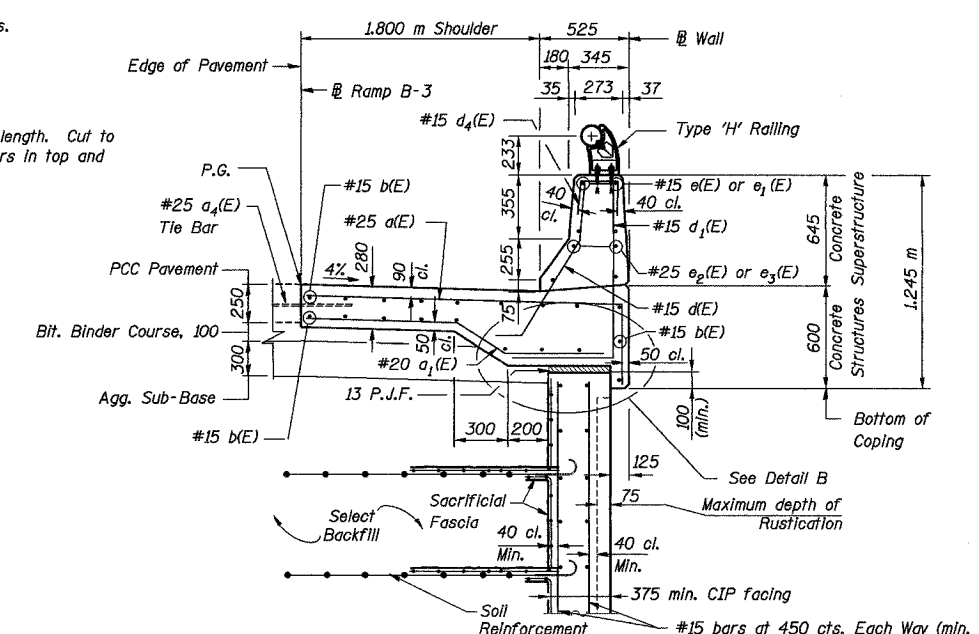
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1	N.T.S.	6/25/04	1

ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	626	1360
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

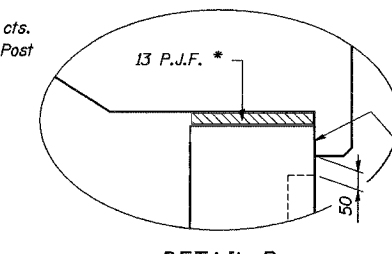
CONTRACT NO. 68200



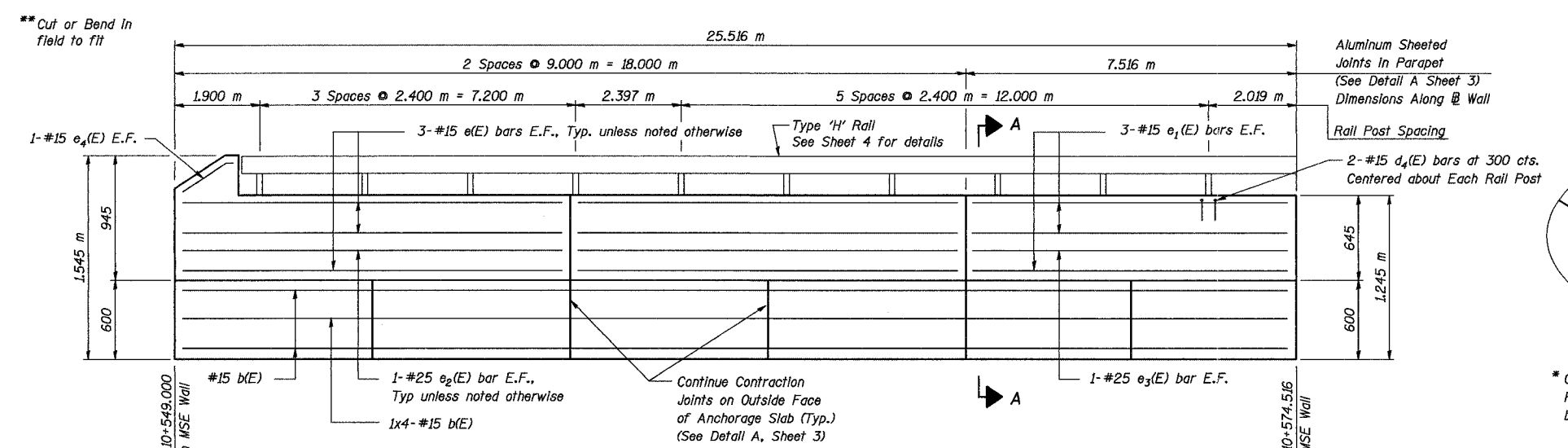
PLAN



SECTION A-A



DETAIL B

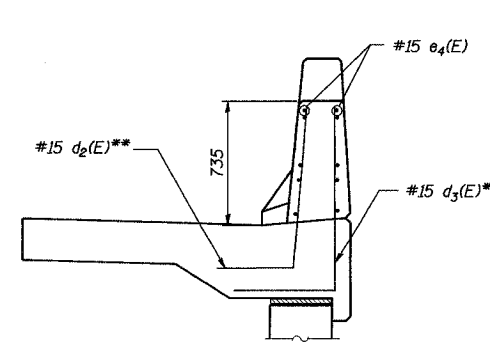


OUTSIDE ELEVATION

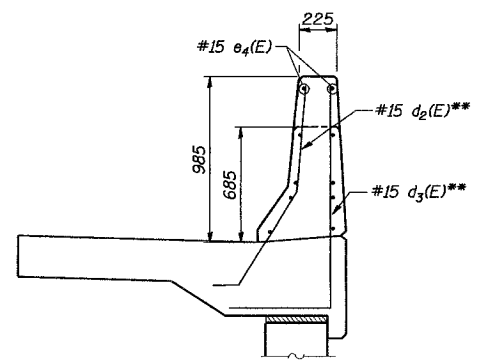
Notes:
 Reinforcement bars designated (E) shall be epoxy coated.
 Bars indicated thus 20 x 3-#15 etc. indicates 20 lines of bars with 3 lengths per line.
 All dimensions are in millimeters (mm) except as noted.
 C.I.P facing design shall be by the Contractor. Concrete thickness and reinforcement as shown on these Plans are the minimum acceptable.
 For Bill of Materials, see Sheet 3.

JOINT DATA

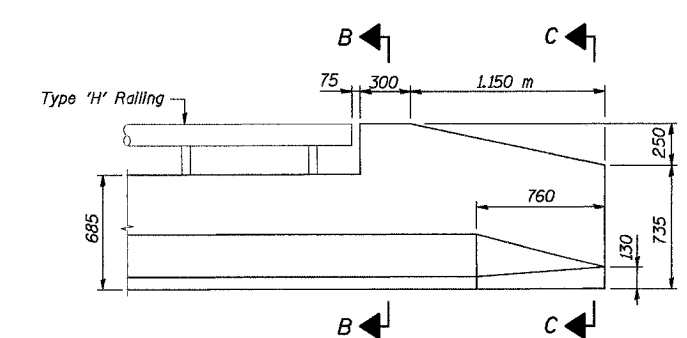
	Station	Edge of Pavement Elevation	B/Coping Elevation
Begin	10+549.000	199.261	198.629
Joint	10+553.500	199.408	198.776
Joint	10+558.000	199.555	198.923
Joint	10+562.500	199.703	199.071
Joint	10+567.000	199.850	199.218
Joint	10+570.758	199.973	199.341
End	10+574.516	200.096	199.464



SECTION C-C



SECTION B-B



VIEW I-1 - PARAPET END SECTION FOR TERMINAL BARRIER TYPE 6 (Inside View)

Designed by: WEE
 Checked by: AK
 Drafted by: WEE
 Checked by: AK

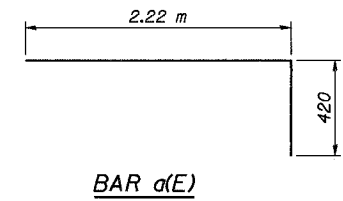
REVISION	DATE	DESCRIPTION
2		MIN. BAR LAPS #15 - 640

REVISION	DATE	DESCRIPTION	
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION ANCHORAGE SLAB AND PARAPET REINFORCING DETAILS WALL NO. 11 - RAMP B-3 F.A.I ROUTE 74 SECTION (72-7)R-3 PEORIA COUNTY STATION 10+549.000 TO 10+574.516 (RAMP B-3) STRUCTURE NUMBER 072-8560 PARSONS TRANSPORTATION GROUP CHICAGO, ILLINOIS			
DRAWING NO.	SCALE	DATE	SHEET NO.
2	N.T.S.	6/25/04	2

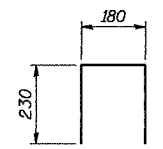
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BILL OF MATERIAL

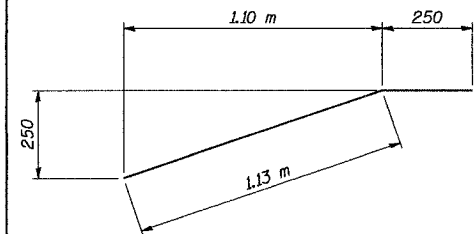
Bar	No.	Size	Length (m)	Shape
a(E)	94	#25	2.64	
a ₁ (E)	94	#20	2.26	
a ₂ (E)	5	#25	1.85	
a ₃ (E)	2	#15	3.22	
a ₄ (E)	46	#25	0.60	
b(E)	76	#15	7.28	
c(E)	89	#15	0.97	
d ₁ (E)	81	#15	1.48	
d ₂ (E)	6	#15	1.31	
d ₃ (E)	6	#15	1.60	
d ₄ (E)	20	#15	0.64	
e(E)	12	#15	8.90	
e ₁ (E)	6	#15	7.41	
e ₂ (E)	4	#25	8.90	
e ₃ (E)	2	#25	7.41	
e ₄ (E)	2	#15	1.38	
Reinforcement Bars, Epoxy Coated		kg	3320	
Concrete Structures		m ³	21.8	
Concrete Superstructure		m ³	6.3	



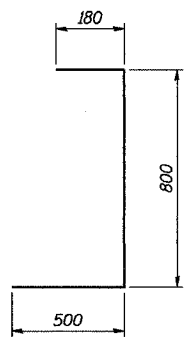
BAR a(E)



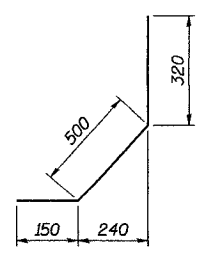
BAR d4(E)



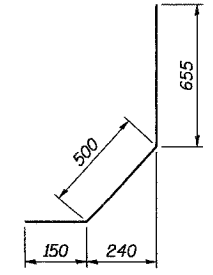
BAR e4(E)



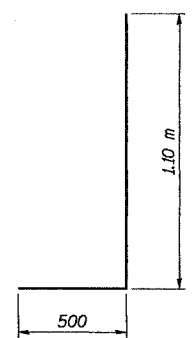
BAR d1(E)



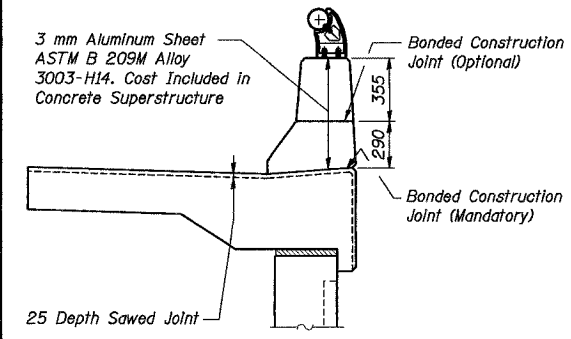
BAR d(E)



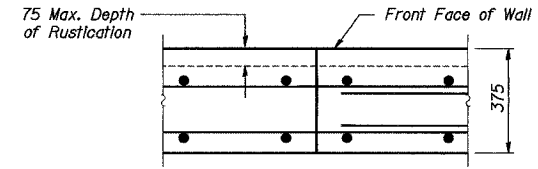
BAR d2(E)



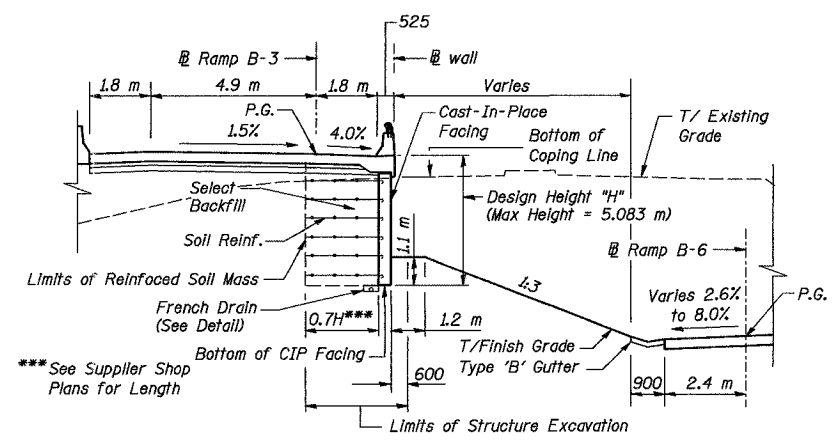
BAR d3(E)



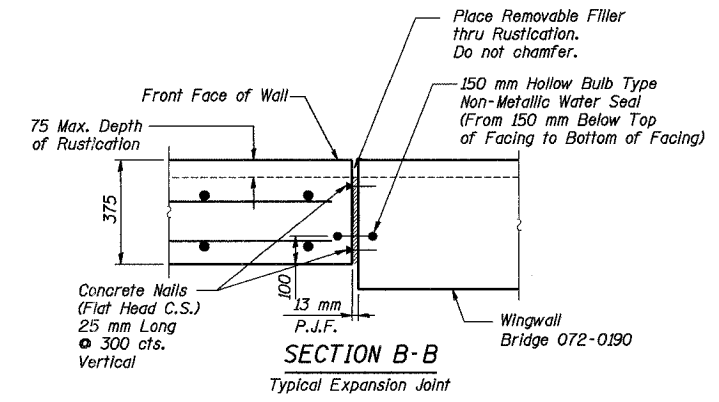
DETAIL A



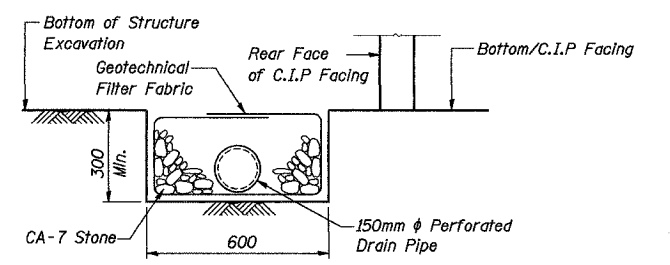
SECTION C-C
Typical Construction Joint



TYPICAL SECTION 10+549.000 to 10+574.516
(Looking North)

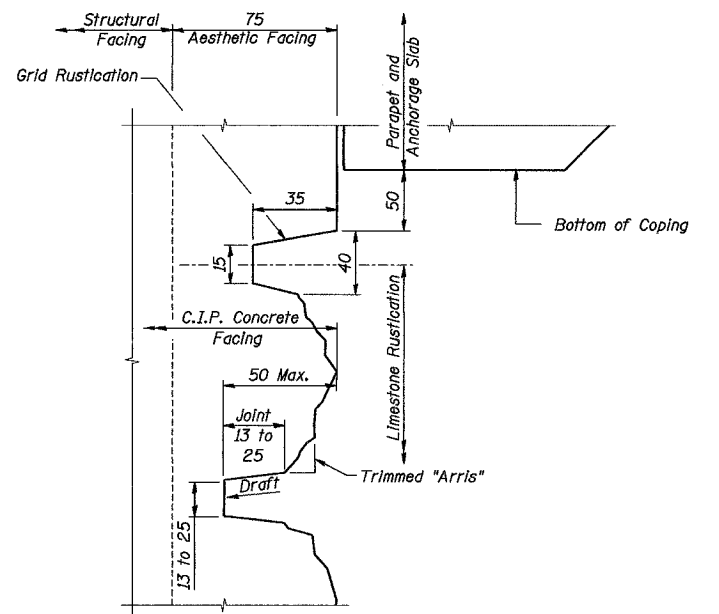


SECTION B-B
Typical Expansion Joint



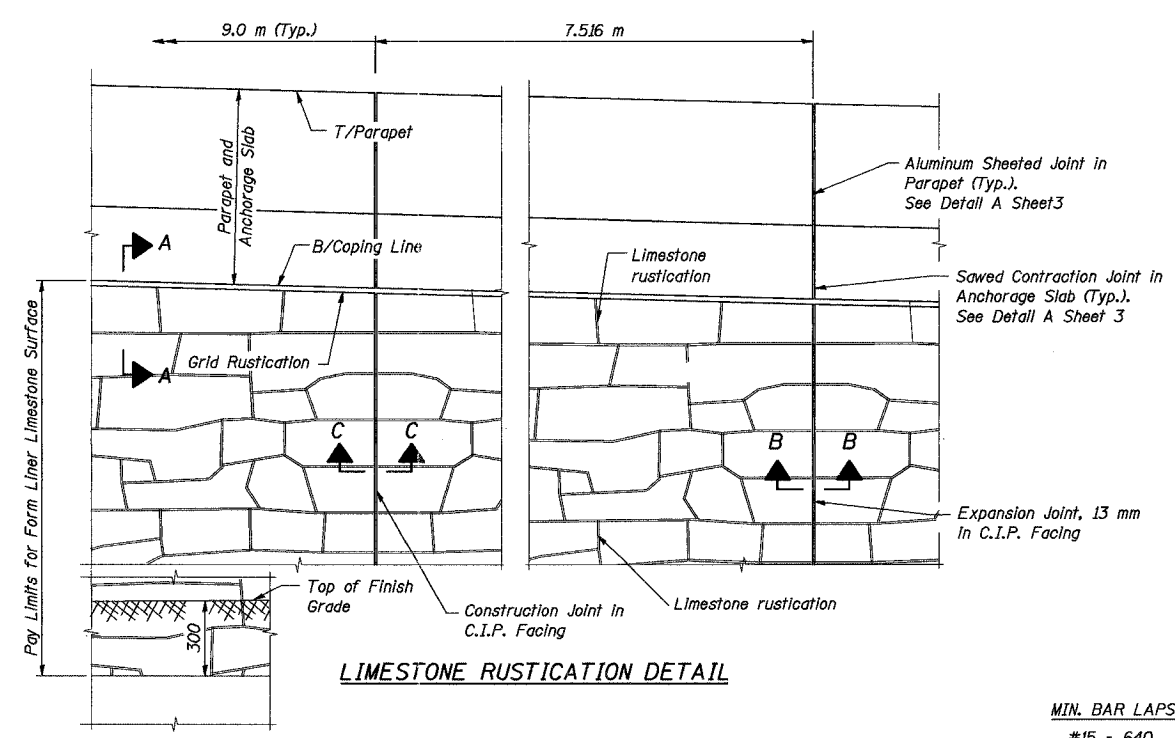
FRENCH DRAIN DETAIL

The French Drain Installation shall follow Section 601 of the Standard Specifications except that the trench will be filled with CA-7 coarse aggregate. The trench shall be lined with Geotechnical Filter Fabric for French Drains and have a 150 mm diameter drain pipe located near the base of the excavation. The cost of the Geotechnical Filter Fabric and perforated drain pipe is included with the pay item French Drains.



SECTION A-A

Notes:
All dimensions are in millimeters (mm) except as noted.
Reinforcement bars designated (E) shall be epoxy coated.



LIMESTONE RUSTICATION DETAIL

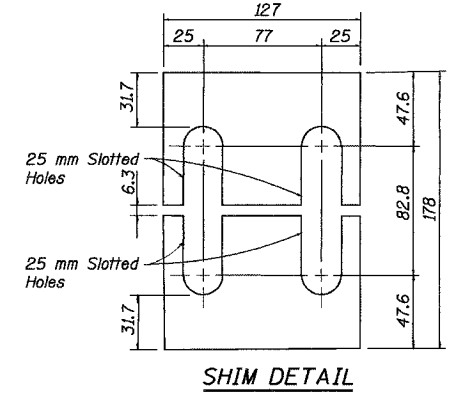
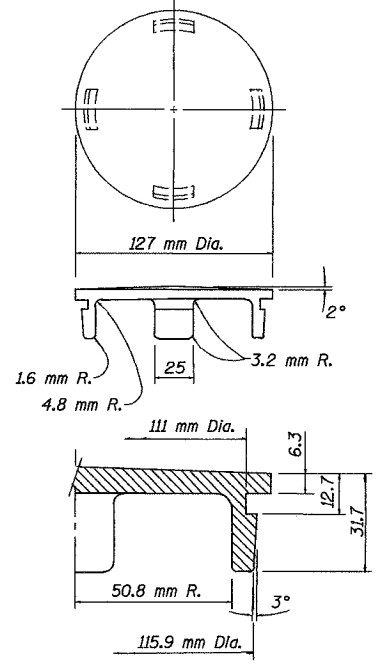
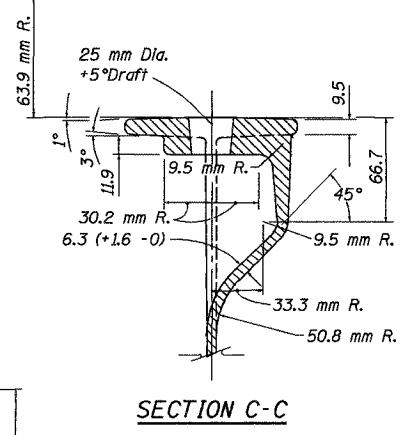
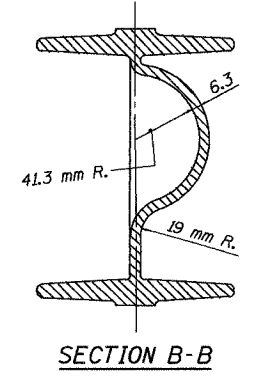
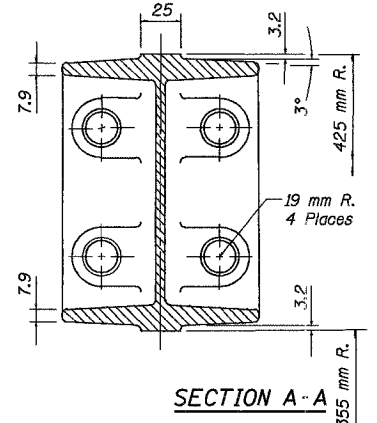
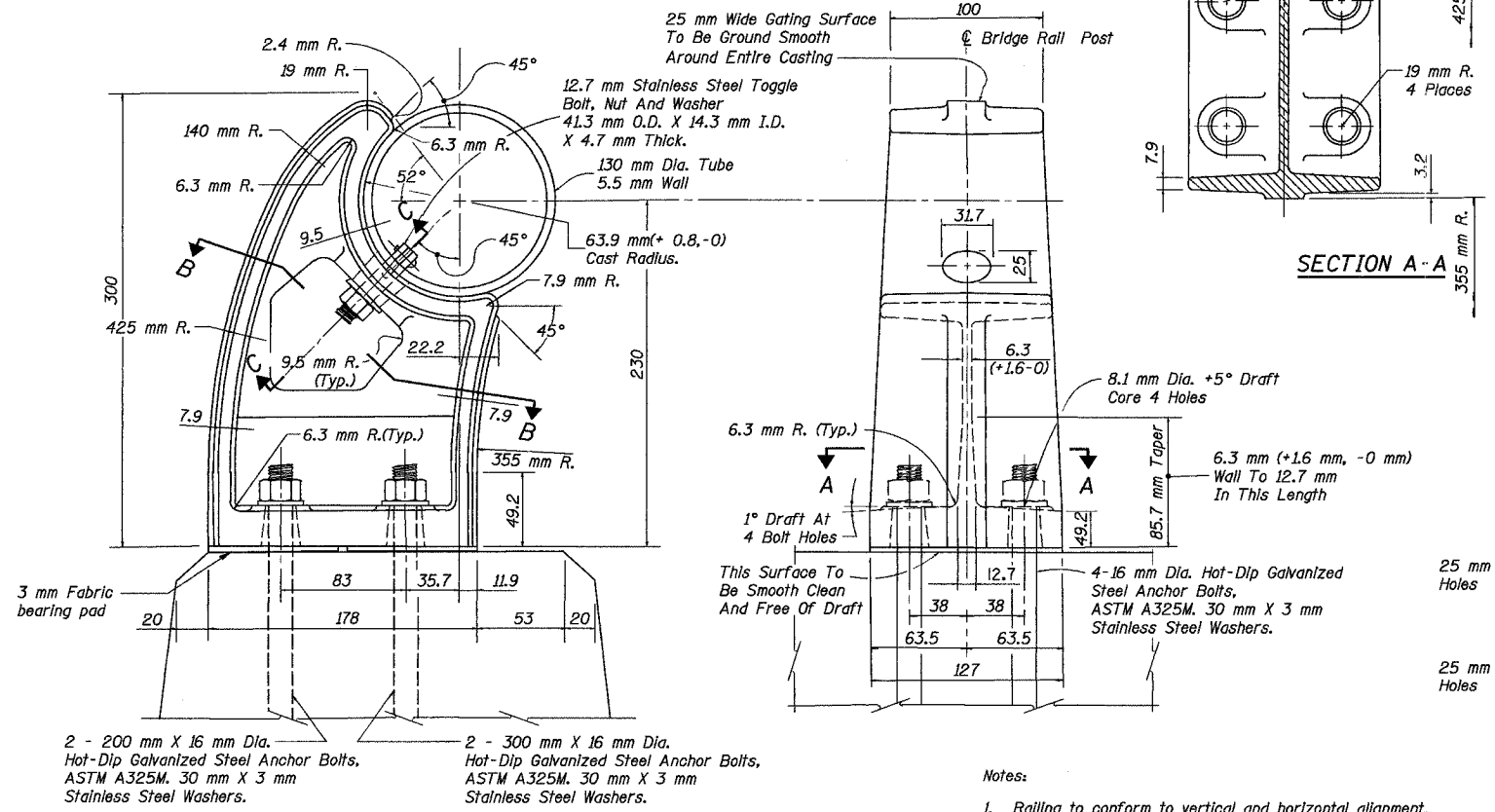
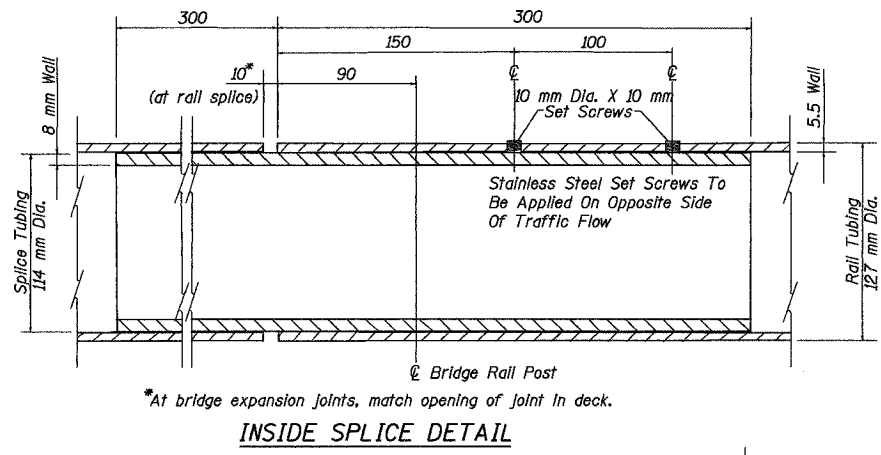
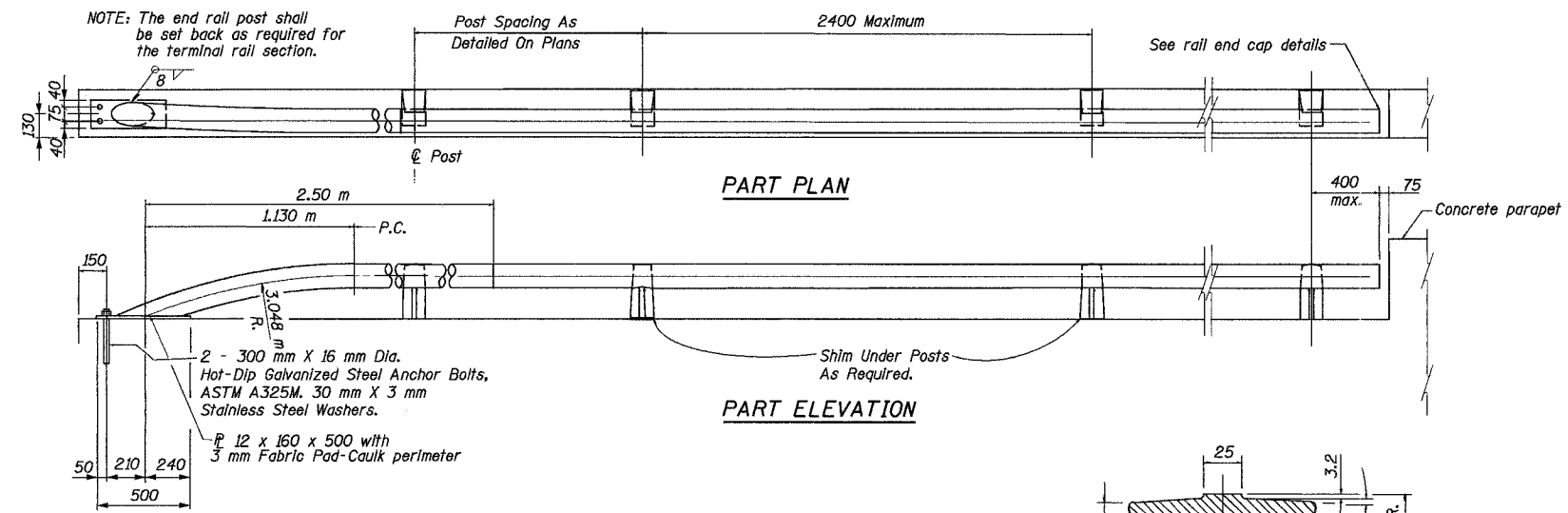
MIN. BAR LAPS
#15 - 640

Date: 11/22/2004 Time: 01:52:56 PM File: P:\643996\Structural\072-8560-Wall\Sheet\Tracings\DT0001-A0728560.dgn

Designed by: WEE
Checked by: AK
Drafted by: WEE
Checked by: AK

REVISION	DATE	DESCRIPTION
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		
TYPICAL SECTIONS AND MISC. DETAILS		
WALL NO. 11 - RAMP B-3 F.A.I. ROUTE 74 SECTION (72-7)R-3 PEORIA COUNTY STATION 10+549.000 TO 10+574.516 (RAMP B-3) STRUCTURE NUMBER 072-8560		
PARSONS TRANSPORTATION GROUP CHICAGO, ILLINOIS		
DRAWING NO.	SCALE	DATE
3	N.T.S.	6/25/04
		SHEET NO.
		3

ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	623	1360
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 68200	



BILL OF MATERIAL

Item	Unit	Quantity
Aluminum Railing, Type H, Special	m	24.0

RAILING DETAILS

- Notes:
- Railing to conform to vertical and horizontal alignment.
 - Joint to be placed 7500 mm center to center, max.
 - Slip joint to be placed in panels to match expansion joints in deck.
 - Design weight: 9.3 kg. per meter.
 - Unless otherwise specified all draft to be 3°.
 - All unmarked Radius to be 3 mm R.
 - After fabrication, exposed surfaces of aluminum shall be given an anodic oxide coating, dyed black, conforming to the requirements of ASTM designation: B 580, Type B, Architectural Class I.

REVISION	DATE	DESCRIPTION
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		
RAILING DETAILS - SINGLE RAIL		
WALL NO. 11 - RAMP B-3 F.A.I. ROUTE 74 SECTION (72-7)R-3 PEORIA COUNTY STATION 10+549.000 TO 10+574.516 (RAMP B-3) STRUCTURE NUMBER 072-8560		
PARSONS TRANSPORTATION GROUP CHICAGO, ILLINOIS		
DRAWING NO. 4	SCALE N.T.S.	DATE 6/25/04
		SHEET NO. 4

ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	629	1360
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 68200

LEGEND - CLAUDE H. HURLEY COMPANY TEST BORING LOGS

A-1 to A-8 (and subgroups) Engineering classifications of soil in accordance with AASHTO M 145 standard specification. Q, kPa

Silty Clay Loam Textural classification of soil in accordance with IDOT Triangular Chart. w, %

Laminated Coal Shale Textural and engineering classification of bedrock in accordance with conventional practice.

N, Bp0.15m N-value or standard penetration test value. Number of blows required to drive a standard split-spoon sampler 0.15 m as conducted in accordance with AASHTO T 206 standard specification. d, kgpm³

Unconfined compression strength of soil in kilopascals determined in accordance with AASHTO T 208 standard specification.

Natural moisture content of soil and bedrock in percent determined in accordance with AASHTO T 265 standard specification and AASHTO T 265/ASTM D 2216 for bedrock.

Dry unit weight of soil and bedrock in kilograms per cubic meter determined in accordance with standard practice.

GROUNDWATER DATA

DD Water Level During Drilling

BAR Water Level Before Auger Removal

AAR Water Level After Auger Removal

DC Dry Cave Level

WC Wet Cave Level

d Days

h Hours

DRILLING METHOD

FA Flight Auger

RW Rotary Wash

HSA Hollow Stem Auger

SAMPLE TYPE

AU Auger

SS Standard Split-barrel

ST Thin-walled Tube

DB Core Barrel

NOTES

1. The abbreviations, symbols and definitions in this Legend are commonly used and understood in the engineering and construction practices and are presented only for information and communication.

2. The Geotechnical Data presented in this Legend and on the Boring Logs are to be interpreted by personnel educated, trained, experienced and licensed to practice Geotechnical Engineering, and in direct communication with the Claude H. Hurley Company.

Time: 01:53:48 PM
Date: 11/22/2004

Filename: P:\649996\struc\ur\072-8560-Wall\N\Sheet\Tracings\BL0001-HAD728560.dgn

CLAUDE H. HURLEY COMPANY BORING LOG													
PROJECT NO. 3-380-05 BORING NO. SR-40							PROJECT FAI-74 IMPROVEMENTS - WAR MEMORIAL DRIVE CORRIDOR						
LOCATION PRELIMINARY BRIDGE RAMP B-SBL 10+556.8 28.4mL PEORIA & TAZEWELL COUNTIES, ILLINOIS							LOCATION PRELIMINARY BRIDGE RAMP B-SBL 10+556.8 28.4mL PEORIA & TAZEWELL COUNTIES, ILLINOIS						
DRILLING CONTRACTOR D & G DRILLING, INC.							DRILLING CONTRACTOR D & G DRILLING, INC.						
DATE OF DRILLING: STARTED 11-21-94 COMPLETED 11-21-94 SURFACE ELEVATION 199.09							DATE OF DRILLING: STARTED 11-21-94 COMPLETED 11-21-94 SURFACE ELEVATION 199.09						
DRILLED BY D. ROESEL							LOGGED BY K. OLSON						
Elev	CLASSIFICATION	Depth	N Sp0.15m	Q _u KPa	W %	T _u Kgpm ³	GROUNDWATER DATA			DRILLING METHOD			
							DATE	DEPTH	HOUR	RIG TYPE	MOBILE B-57	0.08m HSA-1.5R	
198.76	SHOULDER MATERIALS: 51mm AC, 254mm LOAM, A-4	3					DD	11-21	13.26	-	-	-	-
	FILL: BR SILTY CLAY LOAM, A-4	5	145	12	-	-	RW	11-21	-	0	-	-	-
		11-23	3.66	48			-	-	-	0	-	-	-
198.48	FILL: BR GRAVELLY SAND, A-1-b	3	240	23	-	-	-	-	-	-	-	-	-
198.17	FILL: BRK CLAY, A-7-6	3	190	20	-	-	-	-	-	-	-	-	-
197.78	FILL: BR & DK BR SILTY CLAY LOAM, A-4	4	345	19	-	-	-	-	-	-	-	-	-
197.41		4	220	25	-	-	-	-	-	-	-	-	-
	FILL: BR, GR & GRN GR SILTY CLAY, A-6	3	280	23	-	-	-	-	-	-	-	-	-
195.13	DK GR & DK BR SILTY CLAY, A-7-6	2	270	22	-	-	-	-	-	-	-	-	-
194.37	BR, DK BR & GR SILTY CLAY, A-7-6	3	270	26	-	-	-	-	-	-	-	-	-
193.60	BR & GR SILTY LOAM, A-4	1	170	25	-	-	-	-	-	-	-	-	-
192.84	BR GRAVELLY SAND, A-1-b	5					-	-	-	-	-	-	-
192.08	BR SILTY CLAY LOAM, A-4	7					-	-	-	-	-	-	-

CLAUDE H. HURLEY COMPANY BORING LOG													
PROJECT NO. 3-380-05 BORING NO. SR-40 (CONT.)							PROJECT FAI-74 IMPROVEMENTS - WAR MEMORIAL DRIVE CORRIDOR						
LOCATION PRELIMINARY BRIDGE RAMP B-SBL 10+556.8 28.4mL PEORIA & TAZEWELL COUNTIES, ILLINOIS							LOCATION PRELIMINARY BRIDGE RAMP B-SBL 10+556.8 28.4mL PEORIA & TAZEWELL COUNTIES, ILLINOIS						
DRILLING CONTRACTOR D & G DRILLING, INC.							DRILLING CONTRACTOR D & G DRILLING, INC.						
DATE OF DRILLING: STARTED 11-21-94 COMPLETED 11-21-94 SURFACE ELEVATION 199.09							DATE OF DRILLING: STARTED 11-21-94 COMPLETED 11-21-94 SURFACE ELEVATION 199.09						
DRILLED BY D. ROESEL							LOGGED BY K. OLSON						
Elev	CLASSIFICATION	Depth	N Sp0.15m	Q _u KPa	W %	T _u Kgpm ³	GROUNDWATER DATA			DRILLING METHOD			
							DATE	DEPTH	HOUR	RIG TYPE	MOBILE B-57	0.08m HSA-1.5R	
185.22	GR GRAVELLY SAND, A-1-b	13					DD	11-21	13.26	-	-	-	-
		16					RW	11-21	-	0	-	-	-
		19					-	-	-	0	-	-	-
		11-23	3.66	48			-	-	-	0	-	-	-
185.22		10	355	13	-	-	-	-	-	-	-	-	-
		11					-	-	-	-	-	-	-
		12	410	13	-	-	-	-	-	-	-	-	-
		13					-	-	-	-	-	-	-
		14	480	13	-	-	-	-	-	-	-	-	-
		15					-	-	-	-	-	-	-
		16	535	13	-	-	-	-	-	-	-	-	-
		17					-	-	-	-	-	-	-
		18	430	15	-	-	-	-	-	-	-	-	-
		19					-	-	-	-	-	-	-
		20					-	-	-	-	-	-	-

CLAUDE H. HURLEY COMPANY BORING LOG													
PROJECT NO. 3-380-05 BORING NO. SR-293							PROJECT FAI-74 IMPROVEMENTS - WAR MEMORIAL DRIVE CORRIDOR						
LOCATION BRIDGE NO. 072-0190 RAMP B-SBL 10+549.5 12.6mL PEORIA & TAZEWELL COUNTIES, ILLINOIS							LOCATION BRIDGE NO. 072-0190 RAMP B-SBL 10+549.5 12.6mL PEORIA & TAZEWELL COUNTIES, ILLINOIS						
DRILLING CONTRACTOR CENTRAL ILLINOIS DRILLING COMPANY							DRILLING CONTRACTOR CENTRAL ILLINOIS DRILLING COMPANY						
DATE OF DRILLING: STARTED 3-7-96 COMPLETED 3-14-96 SURFACE ELEVATION 199.33							DATE OF DRILLING: STARTED 3-7-96 COMPLETED 3-14-96 SURFACE ELEVATION 199.33						
DRILLED BY F. WULF							LOGGED BY S. ARBOLD						
Elev	CLASSIFICATION	Depth	N Sp0.15m	Q _u KPa	W %	T _u Kgpm ³	GROUNDWATER DATA			DRILLING METHOD			
							DATE	DEPTH	HOUR	RIG TYPE	CHE-55	0.08m HSA-1.5R	
	TOPSOIL FILL: BR & DK BR SILTY CLAY LOAM, A-6	3					DD	3-7	8.23	-	-	-	-
		5	145	25	-	-	AAR	3-14	9.30	0	-	-	-
		3-18	5.10	4d			-	-	-	0	-	-	-
198.72	FILL: BR & DK BR SILTY CLAY LOAM, A-6	3	240	23	-	-	-	-	-	-	-	-	-
198.11		4	210	24	-	-	-	-	-	-	-	-	-
		5					-	-	-	-	-	-	-
		6	500	13	-	-	-	-	-	-	-	-	-
		7	365	15	-	-	-	-	-	-	-	-	-
		8					-	-	-	-	-	-	-
		9	395	13	-	-	-	-	-	-	-	-	-
		10					-	-	-	-	-	-	-
		11	270	14	-	-	-	-	-	-	-	-	-
		12					-	-	-	-	-	-	-
		13	395	13	-	-	-	-	-	-	-	-	-
		14					-	-	-	-	-	-	-
		15	270	14	-	-	-	-	-	-	-	-	-
		16					-	-	-	-	-	-	-
		17	105	26	-	-	-	-	-	-	-	-	-
		18					-	-	-	-	-	-	-
		19	50	28	-	-	-	-	-	-	-	-	-
		20					-	-	-	-	-	-	-
		21					-	-	-	-	-	-	-
		22	335	15	-	-	-	-	-	-	-	-	-
		23					-	-	-	-	-	-	-
		24	315	16	-	-	-	-	-	-	-	-	-
		25					-	-	-	-	-	-	-
		26					-	-	-	-	-	-	-

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			
BORING LOGS I			
WALL NO. 11 - RAMP B-3 F.A.I ROUTE 74 SECTION (72-7)R-3 PEORIA COUNTY STATION 10+549.000 TO 10+574.516 (RAMP B-3) STRUCTURE NUMBER 072-8560			
PARSONS TRANSPORTATION GROUP CHICAGO, ILLINOIS			
DRAWING NO. 5	SCALE N.T.S.	DATE 6/25/04	SHEET NO. 5

ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	630	1360
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 68200

LEGEND - CLAUDE H. HURLEY COMPANY TEST BORING LOGS

A-1 to A-8 (and subgroups) Engineering classifications of soil in accordance with AASHTO M 145 standard specification. Q_u , kPa

Silty Clay Loam Textural classification of soil in accordance with IDOT Triangular Chart. w , %

Laminated Coal Shale Textural and engineering classification of bedrock in accordance with conventional practice.

N,Bp0.15m N-value or standard penetration test value. Number of blows required to drive a standard split-spoon sampler 0.15 m as conducted in accordance with AASHTO T 206 standard specification. γ_d , kgpm³

Unconfined compression strength of soil in kilopascals determined in accordance with AASHTO T 208 standard specification.

Natural moisture content of soil and bedrock in percent determined in accordance with AASHTO T 265 standard specification and AASHTO T 265/ASTM D 2216 for bedrock.

Dry unit weight of soil and bedrock in kilograms per cubic meter determined in accordance with standard practice.

GROUNDWATER DATA

DD Water Level During Drilling

BAR Water Level Before Auger Removal

AAR Water Level After Auger Removal

DC Dry Cave Level

WC Wet Cave Level

d Days

h Hours

DRILLING METHOD

FA Flight Auger

RW Rotary Wash

HSA Hollow Stem Auger

SAMPLE TYPE

AU Auger

SS Standard Split-barrel

ST Thin-walled Tube

DB Core Barrel

NOTES

1. The abbreviations, symbols and definitions in this Legend are commonly used and understood in the engineering and construction practices and are presented only for information and communication.

2. The Geotechnical Data presented in this Legend and on the Boring Logs are to be interpreted by personnel educated, trained, experienced and licensed to practice Geotechnical Engineering, and in direct communication with the Claude H. Hurley Company.

CLAUDE H. HURLEY COMPANY BORING LOG										
PROJECT NO. 3-380-D5					BORING NO. SB-293 (CONT.)					
PROJECT FAI-74 IMPROVEMENTS - HAR MEMORIAL DRIVE CORRIDOR										
LOCATION BRIDGE NO. 072-0190 RAMP B-SBL 10+529.5 12.6mL PEORIA & TAZEWELL COUNTIES, ILLINOIS										
DRILLING CONTRACTOR CENTRAL ILLINOIS DRILLING COMPANY										
DATE OF DRILLING: STARTED 3-7-96 COMPLETED 3-14-96 SURFACE ELEVATION 199.33										
DRILLED BY R. WULF LOGGED BY S. ARENS										
Elev	CLASSIFICATION	Depth	N Bp0.15m	Q _u kPa	W %	γ _d kgpm ³	GROUNDWATER DATA			DRILLING METHOD
							DATE	DEPTH	HOUR	RIG TYPE
										CRE-55
										AUGER TYPE-DEPTH 0.08m HSA-18.6m
										CASING TYPE-DEPTH
										SAMPLER TYPE AU-SS
183.02	GR GRAVELLY SAND, A-1-b	8	-	16	-	-				
182.57	GR SANDY GRAVEL, A-1-a	18	-	5	-	-				
182.11	RD BR SILTY LOAM, A-4	9	-	15	-	-				
181.80	GR TO BR GR LOAM TO CLAY LOAM, A-4 TO A-6	15	420	13	-	-				
180.95	GR GRAVELLY SAND, A-1-b	9	575	13	-	-				
180.74	END OF BORING	17	-	5	-	-				

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			
BORING LOGS II			
WALL NO. 11 - RAMP B-3 F.A.I ROUTE 74 SECTION (72-7)R-3 PEORIA COUNTY STATION 10+549.000 TO 10+574.516 (RAMP B-3) STRUCTURE NUMBER 072-8560			
PARSONS TRANSPORTATION GROUP CHICAGO, ILLINOIS			
DRAWING NO. 6	SCALE N.T.S.	DATE 6/25/04	SHEET NO. 6

Time: 01:54:08 PM

Date: 11/22/2004

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Date: 11/22/2004
 Time: 01:55:06 PM
 File: P:\643996\structure\072-8561-Wall #12\sheet\Tracings\072-8561-Wall #12.dgn

B. M. #49 : Southwest base bolt on aluminum light pole, north side of WB lanes, I-74 and 30 m± west of bridge, War Memorial Drive spur over I-74, El. 190.771 m
 B. M. #3001 : Chiseled "□" on concrete sign base (I-74 - Bloomington/Galesburg) on west side of War Memorial Drive spur. El. 198.767 m
 Construction Staging: Single Stage Construction

INDEX OF SHEETS

1. General Plan and Elevation
2. Anchorage Slab and Parapet Reinforcing Details
3. Typical Sections and Misc. Details
4. Boring Logs I
5. Boring Logs II

ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	631	1360
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

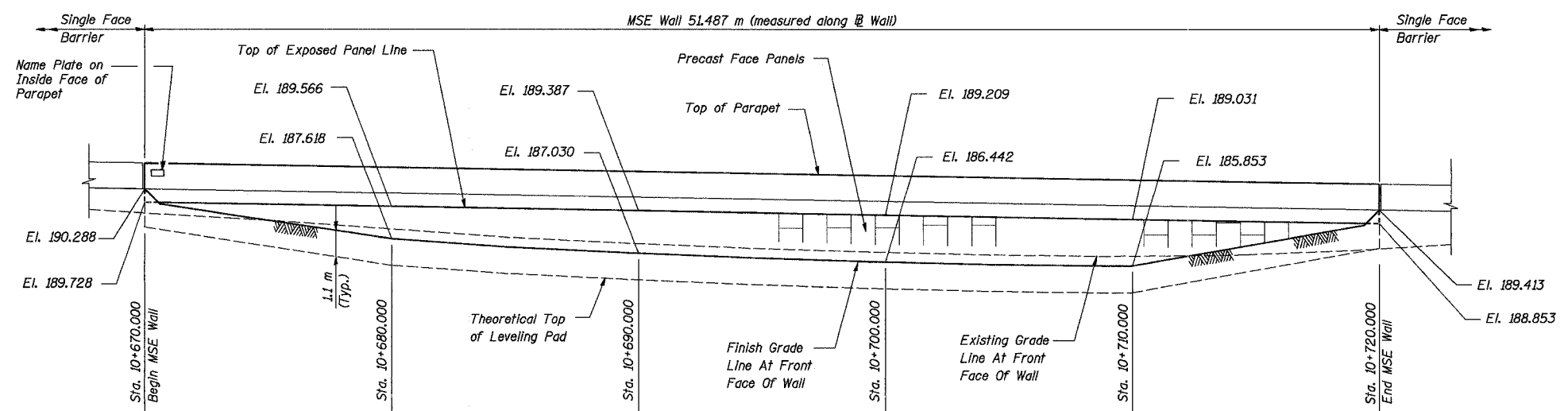
CONTRACT NO. 68200

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Name Plates	Each	1
French Drains	m ³	9.2
Structure Excavation	m ³	383
Concrete Structures	m ³	47.5
Concrete Superstructure	m ³	15.8
Reinforcement Bars, Epoxy Coated	kg	7540
Mechanically Stabilized Earth Retaining Wall	m ²	157

GENERAL NOTES

1. Reinforcement bars shall conform to the requirements of AASHTO M 31M or M 322M Grade 400.
2. All dimensions are in millimeters (mm) except as noted.
3. All construction joints shall be bonded.
4. See Special Provisions for Mechanically Stabilized Earth Wall design and construction requirements.
5. The texture on the precast wall panels shall be Split-Faced Limestone Block with an approximate depth of 30 mm. Cost included with Mechanically Stabilized Earth Retaining Wall.
6. The MSE wall supplier's internal stability design shall account for the anchorage slab bearing pressure surcharge and a horizontal sliding force of 7.3 kN/m of wall.



WALL ELEVATION - RAMP B-4
(Looking East)

STA. 10+670.000 - STA. 10+720.000
 BUILT 200_ BY
 STATE OF ILLINOIS
 F.A.I. RT. 74 SEC (72-7)R-3
 STR. NO. 072-8561

NAME PLATE
 See Std. 515001

DESIGN SPECIFICATIONS

1996 AASHTO With 1997 Through 2002 Interims

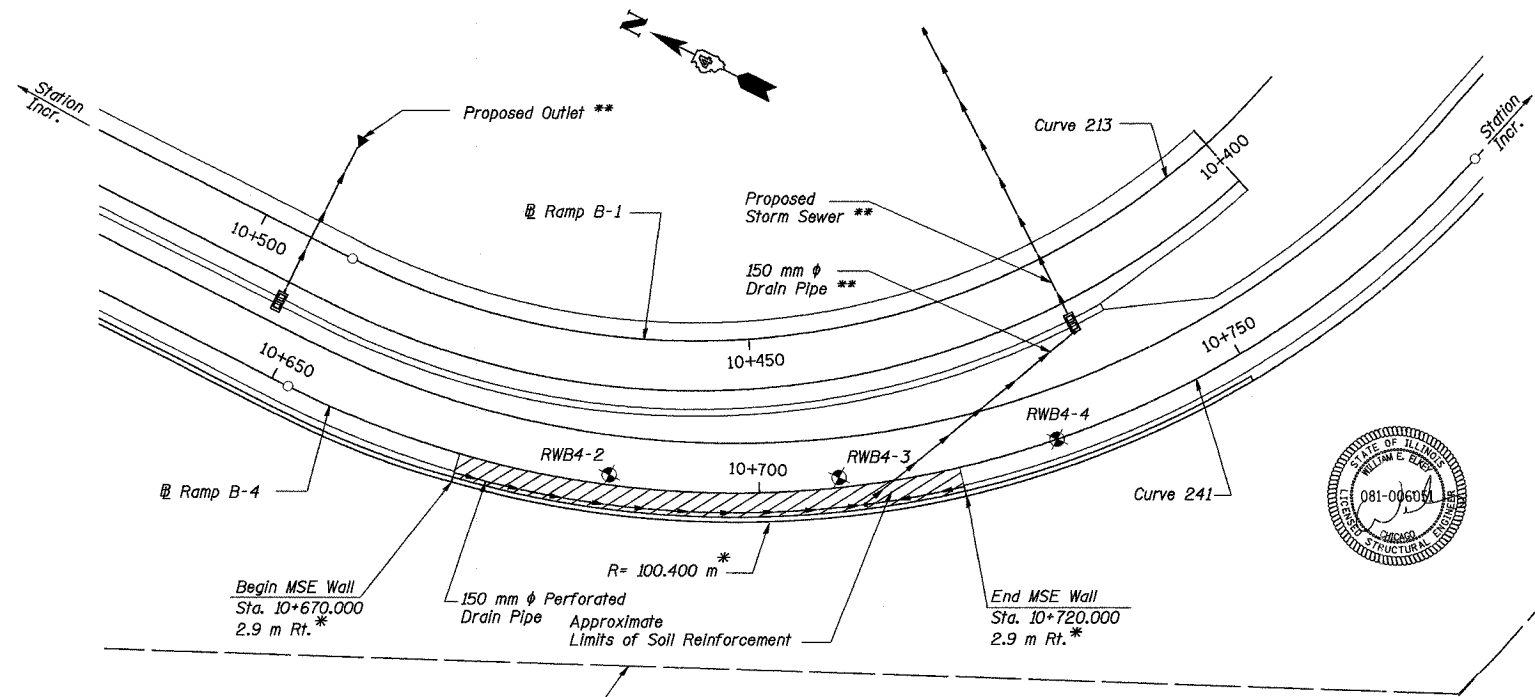
DESIGN STRESSES

FIELD UNITS

$f'_c = 24 \text{ MPa}$
 $f_y = 400 \text{ MPa (Reinf.)}$

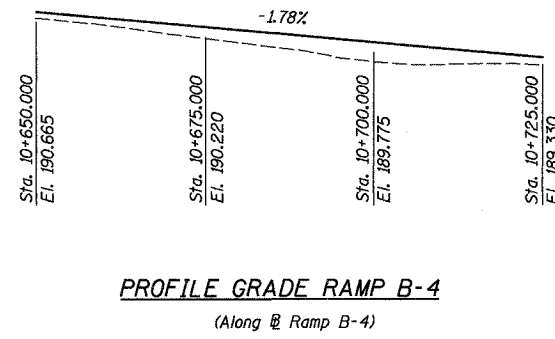
CURVE DATA

RAMP B-4 CURVE 241	RAMP B-1 CURVE 213
$\Delta = 75^\circ 30' 13'' \text{ (LT)}$	$\Delta = 170^\circ 13' 17'' \text{ (RT)}$
$T = 75.498 \text{ m}$	$T = 876.770 \text{ m}$
$R = 97.500 \text{ m}$	$R = 75.000 \text{ m}$
$L = 128.484 \text{ m}$	$L = 222.819 \text{ m}$
$E = 25.813 \text{ m}$	$E = 804.972 \text{ m}$
PC Sta. 10+651.773	PC Sta. 10+267.631
PI Sta. 10+727.271	PI Sta. 11+144.401
PT Sta. 10+780.257	PT Sta. 10+490.451
S.E. = -7.8%	S.E. = 8.0%
Transition In 10+606 to 10+675	Transition In N/A
Transition Out 10+757 to 10+826	Transition Out 10+474 to 10+522

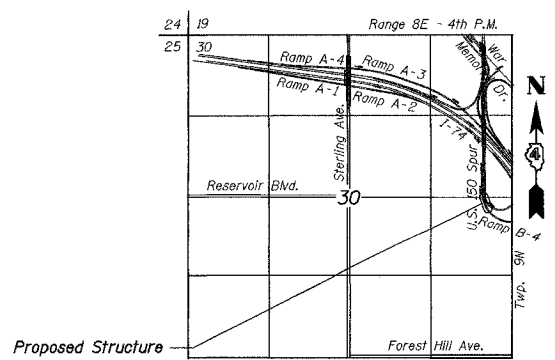


PLAN

- * Offsets and radius refer to Ramp B-4 at Wall @. See Typical Section on Sheet 3 for Details.
- ** See Drainage Plans
- ⊕ Boring Location



PROFILE GRADE RAMP B-4
(Along @ Ramp B-4)



LOCATION SKETCH

Designed by: WEE/EI
 Checked by: AK
 Drafted by: WEE
 Checked by: AK

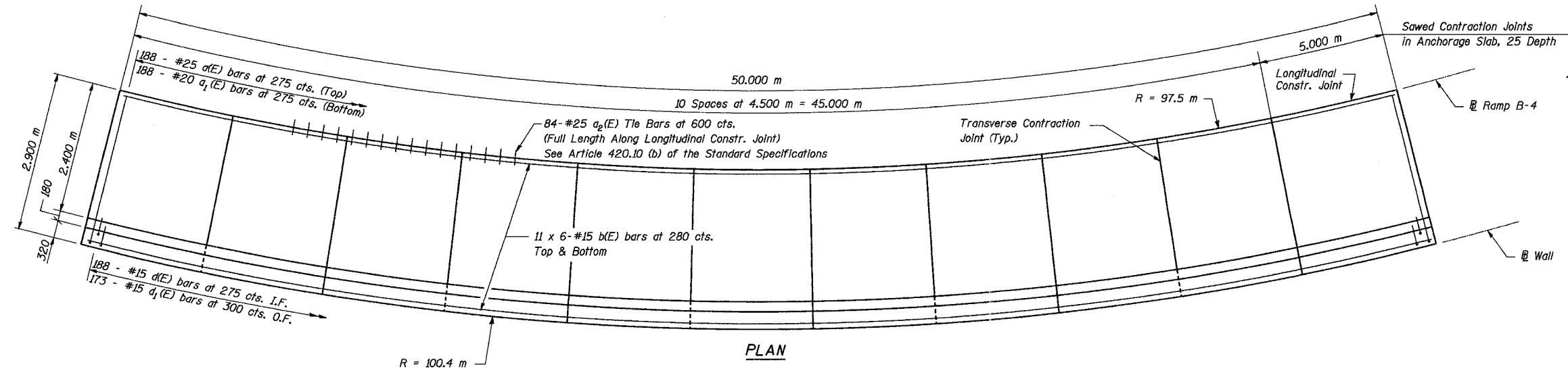
REVISION	DATE	DESCRIPTION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
GENERAL PLAN AND ELEVATION
 WALL NO. 12 - RAMP B-4
 F.A.I. ROUTE 74 SECTION (72-7) R-3
 PEORIA COUNTY
 STA. 10+670 TO STA 10+720 (RAMP B-4)
 STRUCTURE NUMBER 072-8561
 PARSONS TRANSPORTATION GROUP
 CHICAGO, ILLINOIS

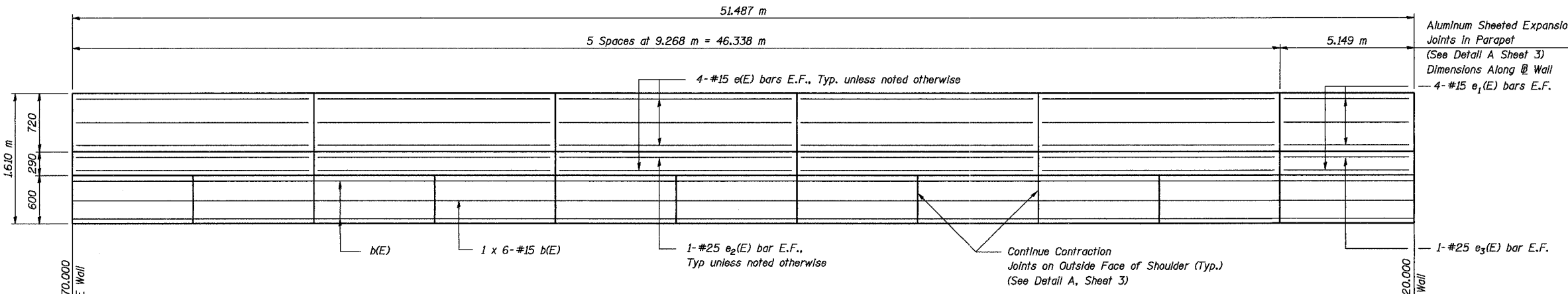
DRAWING NO.	SCALE	DATE	SHEET NO.
1	N.T.S.	6/25/04	1

ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	632	1360
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 68200



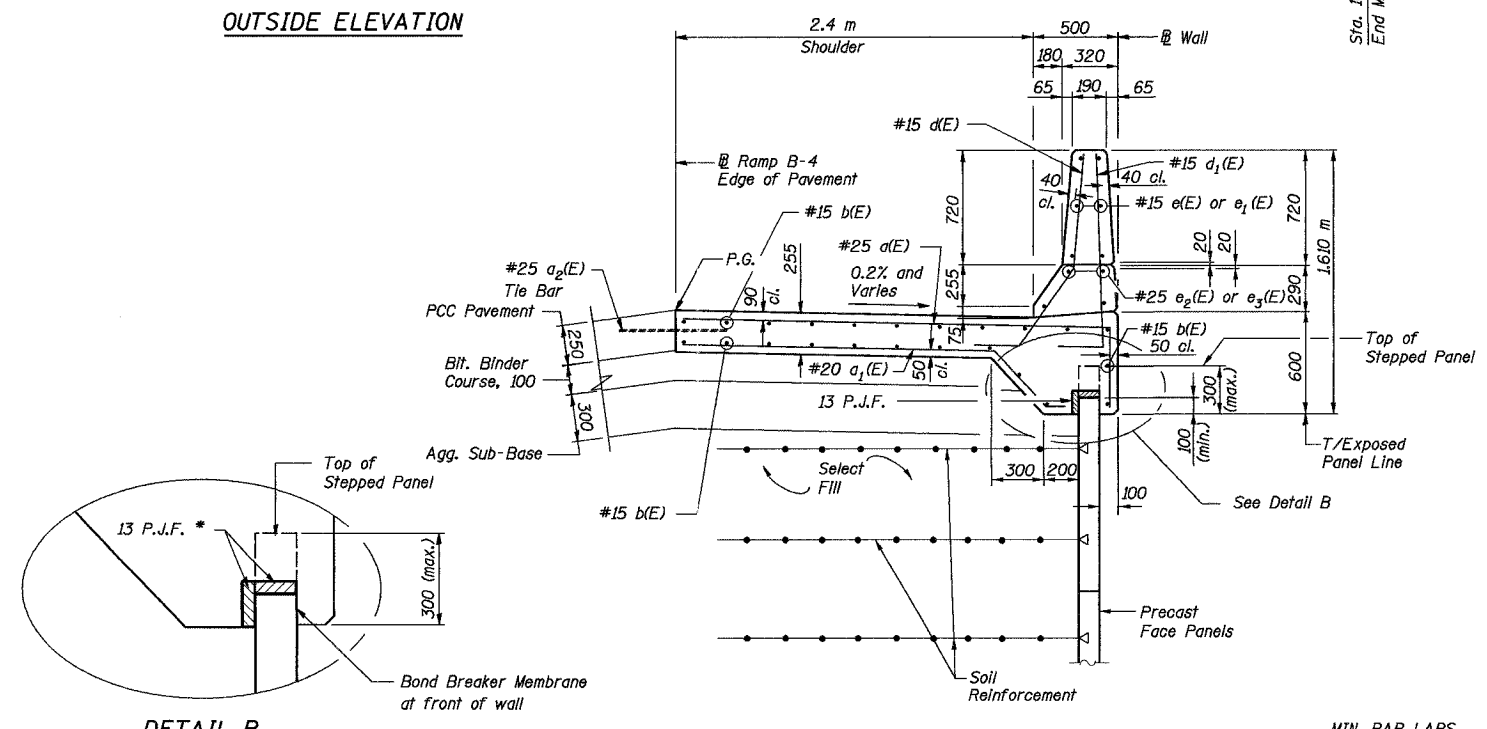
PLAN



OUTSIDE ELEVATION

JOINT DATA

	Station	Edge of Pavement Elevation	T/Exposed Panel Line Elevation
Begin	10+670.000	190.309	189.728
Joint	10+674.500	190.229	189.664
Joint	10+679.000	190.149	189.584
Joint	10+683.500	190.069	189.504
Joint	10+688.000	189.989	189.424
Joint	10+692.500	189.909	189.344
Joint	10+697.000	189.828	189.263
Joint	10+701.500	189.748	189.183
Joint	10+706.000	189.668	189.103
Joint	10+710.500	189.588	189.023
Joint	10+715.000	189.508	188.943
End	10+720.000	189.418	188.853



SECTION THRU MSE WALL

DETAIL B

* Contractor shall ensure that the top of P.J.F. is clear of select fill or other debris before placing anchorage slab concrete.

Notes:

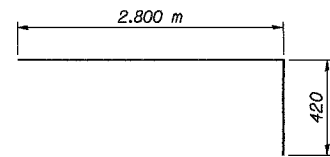
- If the Contractor elects to slip-form the parapet, the parapet shall be according to Standard 503001, except a full depth saw cut shall be used in lieu of the aluminum sheeted joint shown.
- Reinforcement bars designated (E) shall be epoxy coated.
- Bars indicated thus 20 x 3-#15 etc. indicates 20 lines of bars with 3 lengths per line.
- Longitudinal bars shall be placed circumferentially.
- Transverse bars a(E) and a1(E) shall be placed radially. Spacing shall be measured at the parapet end of the bars.
- For Bill of Materials, see Sheet 3.
- All dimensions are in millimeters (mm) except as noted.

REVISION	DATE	DESCRIPTION
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION ANCHORAGE SLAB AND PARAPET REINFORCING DETAILS WALL NO. 12 - RAMP B-4 F.A.I. ROUTE 74 SECTION (72-7) R-3 PEORIA COUNTY STA. 10+670 TO STA 10+720 (RAMP B-4) STRUCTURE NUMBER 072-8561 PARSONS TRANSPORTATION GROUP CHICAGO, ILLINOIS		
DRAWING NO.	SCALE	DATE
2	N.T.S.	6/25/04
SHEET NO.		
2		

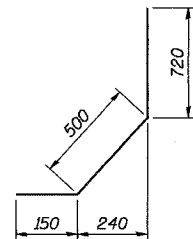
Date: 11/22/2004
 Time: 04:55:23 PM
 File: P:\643996\Structural\072-8561-Wall\2-sheet\Tracings\SD0001-A072-8561.dgn

Designed by: WEE
 Checked by: AK
 Drafted by: WEE
 Checked by: AK

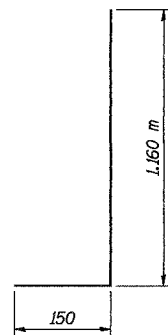
MIN. BAR LAPS
 #15 - 640



BAR d(E)



BAR d(E)

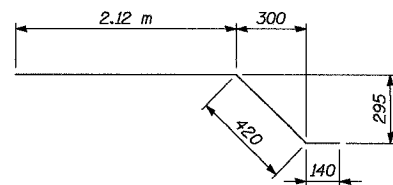


BAR d1(E)

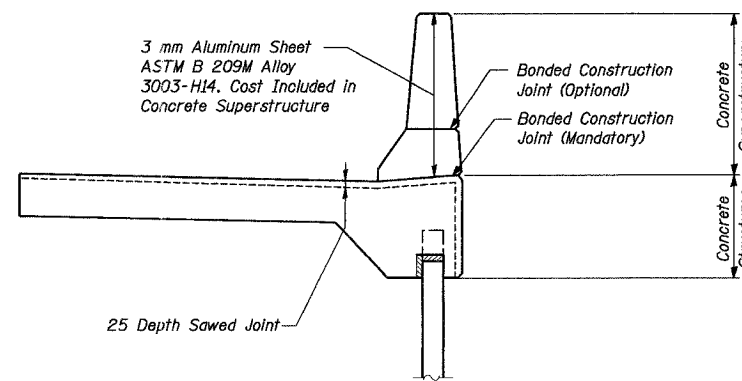
BILL OF MATERIAL

Bar	No.	Size	Length (m)	Shape
d(E)	188	#25	3.22	
d1(E)	188	#20	2.68	
d2(E)	84	#25	0.60	
b(E)	138	#15	9.10	
d(E)	188	#15	1.37	
d1(E)	173	#15	1.31	
e(E)	40	#15	9.12	
e1(E)	8	#15	5.02	
e2(E)	10	#25	9.12	
e3(E)	2	#25	5.02	
Reinforcement Bars, Epoxy Coated			kg	7540
Concrete Structures			m ³	47.5
Concrete Superstructure			m ³	15.8

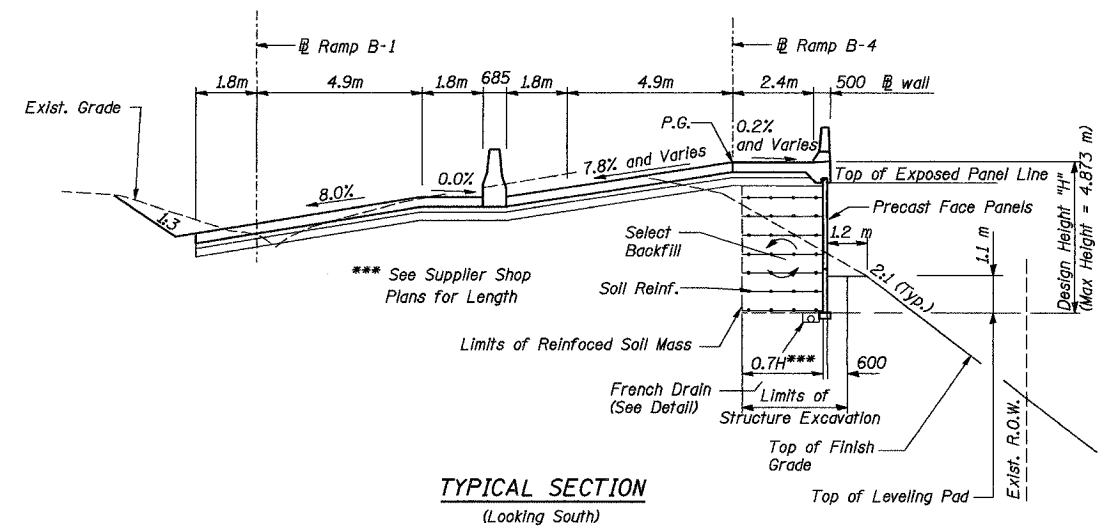
Reinforcement bars designated (E) shall be epoxy coated.



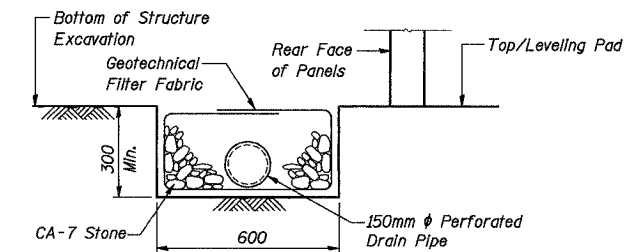
BAR a1(E)



DETAIL A



TYPICAL SECTION
(Looking South)



FRENCH DRAIN DETAIL

The French Drain Installation shall follow Section 601 of the Standard Specifications except that the trench will be filled with CA-7 coarse aggregate. The trench shall be lined with Geotechnical Filter Fabric for French Drains and have a 150 mm diameter perforated drain pipe located near the base of the excavation. The cost of the Geotechnical Filter Fabric and perforated drain pipe is included with the pay item French Drains.

Note:

All dimensions are in millimeters (mm) except as noted.

REVISION	DATE	DESCRIPTION
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		
TYPICAL SECTIONS AND MISC. DETAILS		
WALL NO. 12 - RAMP B-4 F.A.I. ROUTE 74 SECTION (72-7) R-3 PEORIA COUNTY STA. 10+670 TO STA. 10+720 (RAMP B-4) STRUCTURE NUMBER 072-8561		
PARSONS TRANSPORTATION GROUP CHICAGO, ILLINOIS		
DRAWING NO. 3	SCALE N.T.S.	DATE 6/25/04
		SHEET NO. 3

Time: 01:55:41 PM
 Date: 11/22/2004
 File name: P:\643996\structure\072-8561-Wall #12\sheet\Drawings\010001-1A072-8561.dgn

Designed by: WEE
 Checked by: AK
 Drafted by: EI
 Checked by: AK

ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	634	1360
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 68200

Time: 05:25 PM

Date: 11/22/2004

Filename: P:\643996\struc\ur\072-8561-Wall #12-sheet\Tracings\BL0001A072-8561.dgn

RSV ENGINEERING, INC.		BORING LOG		SCHAUMBURG, ILLINOIS				
JOB NO: 98600	CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO: RWB4-2	STATION: 10+685	PROJECT: Interstate Route 74 Improvements - Peoria, Illinois	LOCATION: Retaining Wall Ramp B-4 SN 072-8561			
BORING RIG & METHOD: CME-75 w/Hollow Stem Augers		SURF ELEV: 189.88						
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q _u kPa	STRAIN %	WATER CONTENT %
160mm Bituminous Concrete	189.71		0.00-0.16	Auger 3				
			0.30-0.76	305	6-10	163	15	16
Stiff to Very Stiff Br to Gr Clay Loam A-6			1.07-1.52	356	5	239	15	11
			1.83-2.29	356	5-5	192	15	25
	186.98		2.59-3.05	406	8-20			7
Medium Dense to Dense Br Sand A-1-b			3.35-3.81	457	12-21			8
Medium Dense Br Sand A-1-b	185.92		4.11-4.57	406	14-12			10
Stiff to Very Stiff Gr to Br & Gr Clay Loam A-6	185.15		4.88-5.33	457	5-6	172	15	22
			5.64-6.10	457	7-12	316	15	23
Stiff Br & Gr Silty Clay Loam A-6			6.40-6.86	457	7-7	134	15	26
Medium Dense Br Sand A-1-a	192.41		7.16-7.62	457	11-14			8
	192.11		7.92-8.38	457	17-17			4
Dense Br Sandy Loam A-2-4			8.69-9.14	432	16-23			13
			9.45-9.91	457	15-23			16
			10.21-10.67	457	11-19			16
Medium Dense Gr Silt A-4	178.75		10.97-11.43	457	10-15			20
Dense Gr Sandy Loam A-2-4	178.30		11.73-12.19	457	17-20			21
REMARKS * Water introduced into borehole below 14.0m. # Denotes Calibrated Penetrometer Estimate								
WATER	8.5m ELEV.	181.34 DURING DRILLING	CORE SIZE	mm	DATE: Apr 24, 00			
WATER	m ELEV.	AT COMPLETION	CASING LENGTH	m	DRILLER: Fehl			
WATER	*m ELEV.	AFTER HRS.	CASING DIAMETER	mm	INSPECTOR: Shook			

RSV ENGINEERING, INC.		BORING LOG		SCHAUMBURG, ILLINOIS				
JOB NO: 98600	CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO: RWB4-2	STATION: 10+685	PROJECT: Interstate Route 74 Improvements - Peoria, Illinois	LOCATION: Retaining Wall Ramp B-4 SN 072-8561			
BORING RIG & METHOD: CME-75 w/Hollow Stem Augers		SURF ELEV: 189.88						
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q _u kPa	STRAIN %	WATER CONTENT %
	177.23		12.50-12.95	457	11			17
Dense Gr Silt A-4			13.26-13.72	457	12			17
	176.01		14.02-14.48	457	7-10	172	15	18
Stiff to Medium Stiff Br Clay Loam A-6			14.78-15.24	457	7-9	48	15	16
	174.49		15.54-16.00	457	7-9	144	15	17
Stiff Br Clay Loam A-6			16.31-16.76	457	6-9	96	15	15
	172.20		17.07-17.53	457	5-6	96	15	17
Medium Dense Gr Sandy Loam A-2-4			17.83-18.29	457	7-10			27
Medium Dense Gr Silty Loam A-4	171.44		18.59-19.05	457	7-7			18
	170.37		19.35-19.81	457	8-11	259	15	13
Very Stiff to Stiff Br Loam A-4			20.12-20.57	457	11-16	172	15	13
Very Dense Gr Silt A-4	169.15		20.88-21.34	457	23-46			15
Very Stiff Br Loam A-4	168.39		21.64-22.10	457	13-16	211	15	13
	167.02		22.40-22.86	457	16-21	278	15	13
Boring terminated at 22.9m								
REMARKS * Water introduced into borehole below 14.0m. # Denotes Calibrated Penetrometer Estimate								
WATER	8.5m ELEV.	181.34 DURING DRILLING	CORE SIZE	mm	DATE: Apr 24, 00			
WATER	m ELEV.	AT COMPLETION	CASING LENGTH	m	DRILLER: Fehl			
WATER	*m ELEV.	AFTER HRS.	CASING DIAMETER	mm	INSPECTOR: Shook			

RSV ENGINEERING, INC.		BORING LOG		SCHAUMBURG, ILLINOIS				
JOB NO: 98600	CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO: RWB4-3	STATION: 10+708	PROJECT: Interstate Route 74 Improvements - Peoria, Illinois	LOCATION: Retaining Wall Ramp B-4 SN 072-8561			
BORING RIG & METHOD: CME-75 w/Hollow Stem Augers		SURF ELEV: 189.39						
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q _u kPa	STRAIN %	WATER CONTENT %
150mm Bituminous Concrete	189.24		0.00-0.15	Auger 5				
			0.30-0.76	279	7-9	373	15	10
Very Stiff to Stiff Br Clay Loam A-6			1.07-1.37	381	6-11	239	15	18
			1.83-2.29	457	9-10	259	15	19
	185.73		2.59-3.05	457	8-13	201	15	18
			3.35-3.81	457	10-21	172	15	18
Dense to Medium Dense Br Sand A-1-b			4.11-4.57	457	8-11			8
	183.90		4.88-5.33	254	8-9			11
Very Stiff Br to Br & Gr Clay Loam A-6			5.64-6.10	457	4-6	220	15	22
	182.38		6.40-6.86	457	7-10	201	15	18
Medium Dense Gr Sand A-1-a			7.16-7.62	406	13-12			7
Dense Gr & Br Sand A-1-b	181.62		7.92-8.38	381	18-23			4
Dense to Medium Dense Gr & Br Sand A-1-a	180.85		8.69-9.14	330	18-18			7
			9.45-9.91	279	11-16			9
Dense to Medium Dense Br to Gr Sandy Loam A-2-4	179.33		10.21-10.67	457	18-13			13
			10.97-11.43	457	9-19			10
Dense Gr Silt A-4	177.35		11.73-12.19	356	14			11
	177.04							
REMARKS * Water introduced into borehole below 11.0m. # Denotes Calibrated Penetrometer Estimate								
WATER	8.5m ELEV.	180.85 DURING DRILLING	CORE SIZE	mm	DATE: Apr 25, 00			
WATER	m ELEV.	AT COMPLETION	CASING LENGTH	m	DRILLER: Fehl			
WATER	*m ELEV.	AFTER HRS.	CASING DIAMETER	mm	INSPECTOR: Shook			

LEGEND

A-1 to A-7 Engineering classifications of soil samples in accordance with AASHTO M 145 (and subgroups)

BLOWS/150mm Number of blows required to drive a standard soil sampling device 150 mm as conducted in accordance with AASHTO T 206 standard specification.

q_u, kPa Unconfined compression strength of soil sample in kilopascals determined in accordance with AASHTO T 208 standard specification.

STRAIN, % Actual strain of soil sample at failure (15 percent maximum allowed) during unconfined compression strength test (see AASHTO T 208 specification).

WATER CONTENT, % Natural moisture content of soil sample in percent determined in accordance with AASHTO T 265 standard specification.

Penetrometer Estimate An approximation of the unconfined compressive strength of the soil sample in kilopascals obtained with the use of a calibrated hand penetrometer device.

50 mm ST 50 mm diameter thin-walled tube (Shelby Tube) relatively undisturbed soil sample obtained in accordance with AASHTO T 207 standard specification.

Yd Dry unit weight of soil specimen in kilograms per cubic meter.

REC. Length of sample recovered in millimeters.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			
BORING LOGS I			
WALL NO. 12 - RAMP B-4 F.A.I. ROUTE 74 SECTION (72-7) R-3 PEORIA COUNTY STA. 10+670 TO STA 10+720 (RAMP B-4) STRUCTURE NUMBER 072-8561			
PARSONS TRANSPORTATION GROUP CHICAGO, ILLINOIS			
DRAWING NO. 4	SCALE N.T.S.	DATE 6/25/04	SHEET NO. 4

ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	635	1360
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 68200	

RSV ENGINEERING, INC.		BORING LOG		SCHAUMBURG, ILLINOIS				
JOB NO: 98600	CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO: RWB4-3	STATION: 10+708					
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois		LOCATION: Retaining Wall Ramp B-4 SN 072-8561	OFFSET: 1.0m Lt					
BORING RIG & METHOD: CME-75 w/Hollow Stem Augers		SURF ELEV: 189.39						
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q _u kPa	STRAIN %	WATER CONTENT %
Dense to Very Dense Gr Sandy Loam A-2-4	174.76	15	12.50-12.95	229	12	15-18		9
			13.26-13.72	279	10	16-18		18
			14.02-14.48	381	16	24-27		16
Dense Gr Sandy Loam A-2-4	173.39	15	14.78-15.24	406	33	18-22		13
			15.54-16.00	457	10	17-18		19
Boring terminated at 16.0m								
REMARKS					* Water introduced into borehole below 11.0m.			
WATER					8.5m ELEV. 180.85 DURING DRILLING			
WATER					m ELEV. AT COMPLETION			
WATER					*m ELEV. AFTER HRS.			
WATER					*m ELEV. AFTER HRS.			

RSV ENGINEERING, INC.		BORING LOG		SCHAUMBURG, ILLINOIS					
JOB NO: 98600	CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO: RWB4-4	STATION: 10+730						
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois		LOCATION: Retaining Wall Ramp B-4 SN 072-8561	OFFSET: 0m Rt						
BORING RIG & METHOD: CME-75 w/Hollow Stem Augers		SURF ELEV: 189.11							
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q _u kPa	STRAIN %	WATER CONTENT %	
180mm Bituminous Concrete	184.93		0.00-0.18	Auger				2	
Very Stiff Br Loam A-4	185.60	5	0.30-0.76	305	10-14	201	15	16	
			1.07-1.52	432	5	7-9	268	15	12
			1.83-2.29	457	10	8-13	278	15	13
Dense to Medium Dense Br Sand A-1-b	183.32	5	2.59-3.05	457	9-15	220	15	15	
			3.35-3.81	457	16	18-17		5	
			4.11-4.57	457	14	13-10		6	
Very Stiff to Stiff Br & Gr Clay A-6	181.34	10	4.88-5.33	457	9	13-11		7	
			5.64-6.10	457	5	6-8	345	15	21
			6.40-6.86	356	4	6-7	239	15	24
Medium Dense Gr Silt A-4	178.29	10	7.16-7.62	432	4	5-9	172	15	24
			7.92-8.38	457	8	9-8		17	
			8.69-9.14	457	7	11-11		23	
Dense Br Sand A-1-a	176.76	10	9.45-9.91	457	7	8-11		17	
			10.21-10.67	457	8	7-13		18	
			10.97-11.43	381	10	17-23		5	
			11.73-12.19	356	18	21-25		8	
REMARKS					* Water introduced into borehole below 11.0m.				
WATER					9.4m ELEV. 179.66 DURING DRILLING				
WATER					m ELEV. AT COMPLETION				
WATER					*m ELEV. AFTER HRS.				

RSV ENGINEERING, INC.		BORING LOG		SCHAUMBURG, ILLINOIS				
JOB NO: 98600	CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO: RWB4-4	STATION: 10+730					
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois		LOCATION: Retaining Wall Ramp B-4 SN 072-8561	OFFSET: 0m Rt					
BORING RIG & METHOD: CME-75 w/Hollow Stem Augers		SURF ELEV: 189.11						
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q _u kPa	STRAIN %	WATER CONTENT %
Very Dense to Dense Br Sand A-1-b	174.63	15	12.50-12.95	381	13	25-27		15
			13.26-13.72	432	13	20-28		13
			14.02-14.48	457	13	20-26		18
Boring terminated at 14.5m								
REMARKS					* Water introduced into borehole below 11.0m.			
WATER					9.4m ELEV. 179.66 DURING DRILLING			
WATER					m ELEV. AT COMPLETION			
WATER					*m ELEV. AFTER HRS.			

LEGEND

A-1 to A-7 Engineering classifications of soil samples in accordance with AASHTO M 145 (and subgroups)

BLOWS/150mm Number of blows required to drive a standard soil sampling device 150 mm as conducted in accordance with AASHTO T 206 standard specification.

q_u, kPa Unconfined compression strength of soil sample in kilopascals determined in accordance with AASHTO T 208 standard specification.

STRAIN, % Actual strain of soil sample at failure (15 percent maximum allowed) during unconfined compression strength test (see AASHTO T 208 specification).

WATER CONTENT, % Natural moisture content of soil sample in percent determined in accordance with AASHTO T 265 standard specification.

Penetrometer Estimate An approximation of the unconfined compressive strength of the soil sample in kilopascals obtained with the use of a calibrated hand penetrometer device.

50 mm ST 50 mm diameter thin-walled tube (Shelby Tube) relatively undisturbed soil sample obtained in accordance with AASHTO T 207 standard specification.

Yd Dry unit weight of soil specimen in kilograms per cubic meter.

REC. Length of sample recovered in millimeters.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			
BORING LOGS II			
WALL NO. 12 - RAMP B-4 F.A.I. ROUTE 74 SECTION (72-7) R-3 PEORIA COUNTY STA. 10+670 TO STA 10+720 (RAMP B-4) STRUCTURE NUMBER 072-8561			
PARSONS TRANSPORTATION GROUP CHICAGO, ILLINOIS			
DRAWING NO. 5	SCALE N.T.S.	DATE 6/25/04	SHEET NO. 5

Time: 01:56:52 PM

Date: 11/22/2004

Filename: P:\649996\struc\072-8561\wall #12\sheet\Tracings\BL0002-A072-8561.dgn

B. M. #49 : Southwest base bolt on aluminum light pole, north side of WB lanes, I-74 and 30 m+ west of bridge, War Memorial Drive spur over I-74, El. 190.771 m
 B. M. #3001 : Chiseled "□" on concrete sign base (I-74 - Bloomington/Galesburg) on west side of War Memorial Drive spur. El. 198.767 m
 Construction Staging: Single Stage Construction

ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	636	1360
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 68200

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Removal and Disposal of Unsuitable Material	m ³	30
Porous Granular Embankment	m ³	30
French Drains	m ³	17.0
Structure Excavation	m ³	226
Concrete Barrier, Double Face (Special)	m ³	223.9
Reinforcement Bars, Epoxy Coated	kg	7790

INDEX OF SHEETS

- General Plan and Elevation
- Plan and Elevation
- Bill of Material and Misc. Details

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications

DESIGN STRESSES

FIELD UNITS

f'c = 24 MPa
 fy = 400 MPa (Reinf.)

CURVE DATA

RAMP B-1 CURVE 214

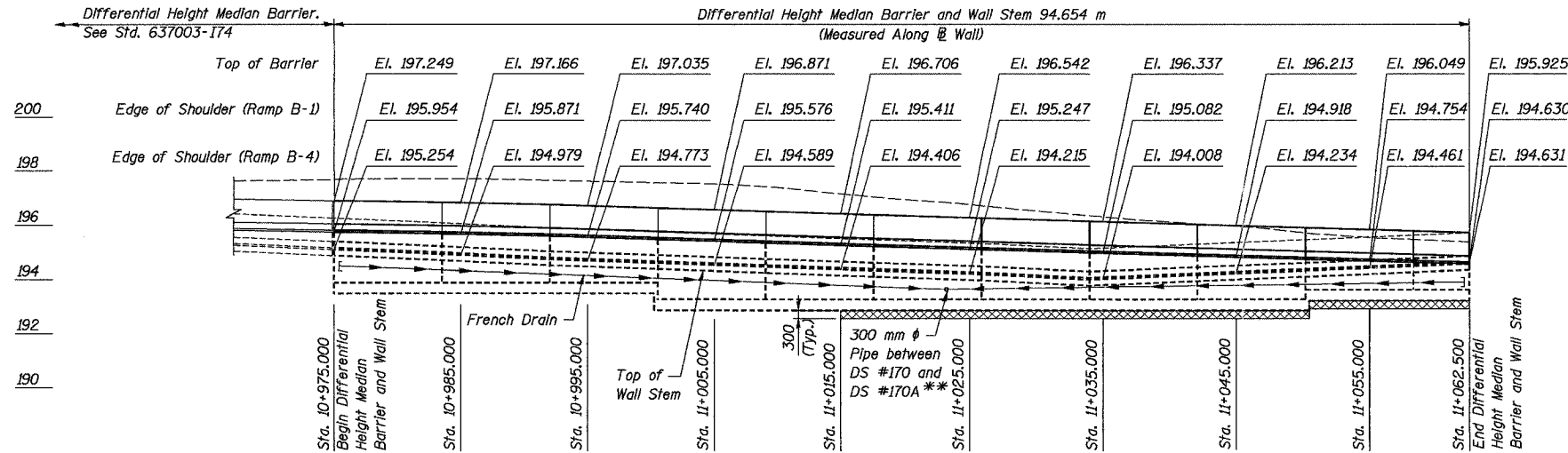
Δ = 23° 48' 55" (RT)
 R = 120.000 m
 T = 25.305 m
 L = 49.878 m
 E = 2.639 m
 P.C. STA = 10+971.983
 P.I. STA = 10+997.288
 P.T. STA = 11+021.862
 S.E. = 8.0%
 Transition In STA. 10+936 to STA. 10+989
 Transition Out N/A

RAMP B-1 CURVE 215

Δ = 85° 02' 20" (RT)
 R = 60.000 m
 T = 55.017 m
 L = 89.053 m
 E = 21.406 m
 P.C. STA = 11+021.862
 P.I. STA = 11+076.879
 P.T. STA = 11+110.914
 S.E. = 8.0%
 Transition In N/A
 Transition Out STA. 11+096 to 11+111

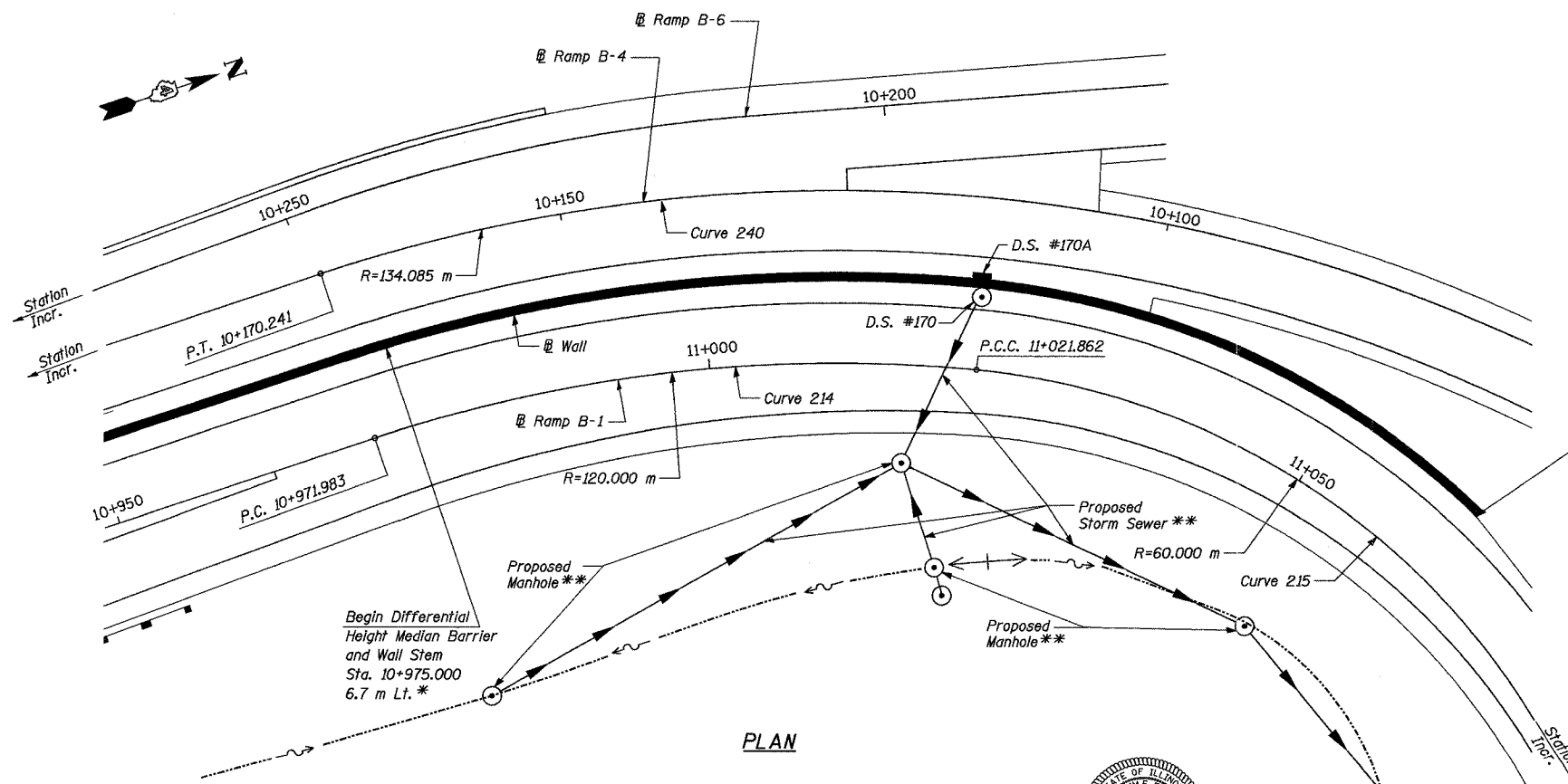
RAMP B-4 CURVE 240

Δ = 72° 44' 44" (RT)
 R = 134.085 m
 T = 98.757 m
 L = 170.241 m
 E = 32.444 m
 P.C. STA = 10+000.000
 P.I. STA = 10+098.757
 P.T. STA = 10+170.241
 S.E. = -7.9%
 Transition In 10+013 to 10+075
 Transition Out STA. 10+153 to 10+230



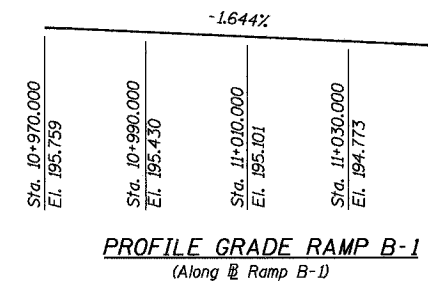
WALL ELEVATION - RAMP B-1
 (Looking West)

Removal limits below bottom of footing. Final limits of Removal and Disposal of Unsuitable Materials shall be determined by the Engineer at the time of construction. Replace with Porous Granular Embankment.

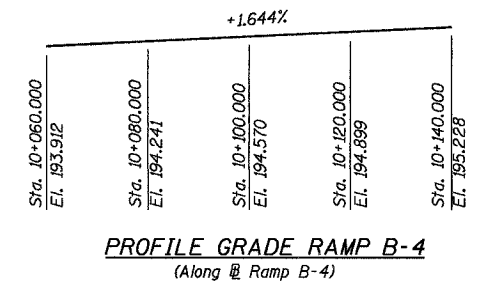


PLAN

* Offsets refer to Ramp B-1 at @ Wall. See Typical Sections on Sheet 3 for Details.
 ** See Drainage Plans



PROFILE GRADE RAMP B-1
 (Along @ Ramp B-1)

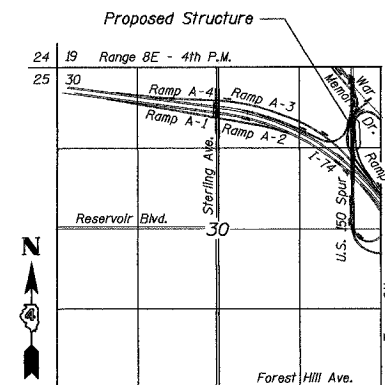


PROFILE GRADE RAMP B-4
 (Along @ Ramp B-4)

End Differential Height Median Barrier and Wall Stem Sta. 11+062.500 6.7 m Lt. *

GENERAL NOTES

- Reinforcement bars shall conform to the requirements of AASHTO M 31M, or M 322M Grade 400.
- All dimensions are in millimeters (mm) except as noted.
- All construction joints shall be bonded.



LOCATION SKETCH

REVISION	DATE	DESCRIPTION

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION

DIFFERENTIAL HEIGHT MEDIAN BARRIER - RAMP B-1
 F.A.I. ROUTE 74 SECTION (72-7)R-3
 PEORIA COUNTY
 STA. 10+975 TO STA 11+062.5 (RAMP B-1)
 STRUCTURE NUMBER 072-NA

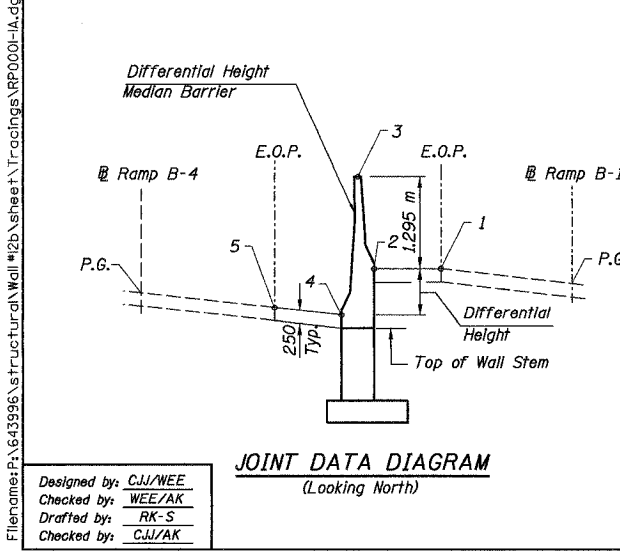
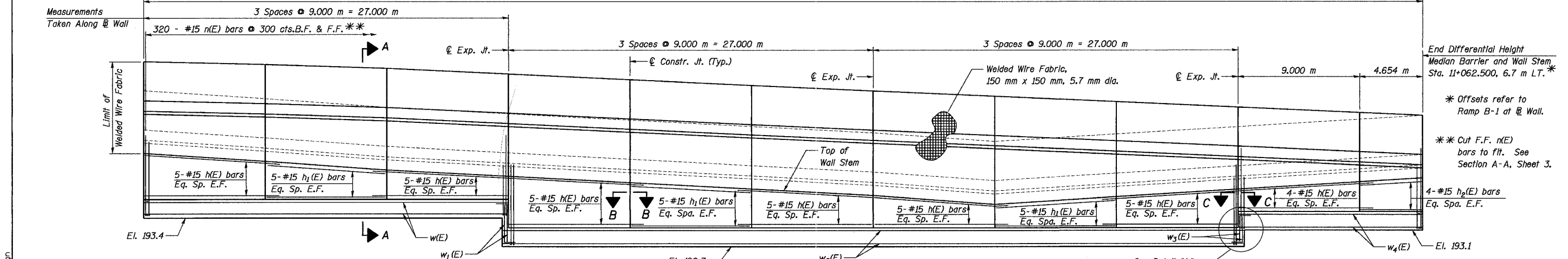
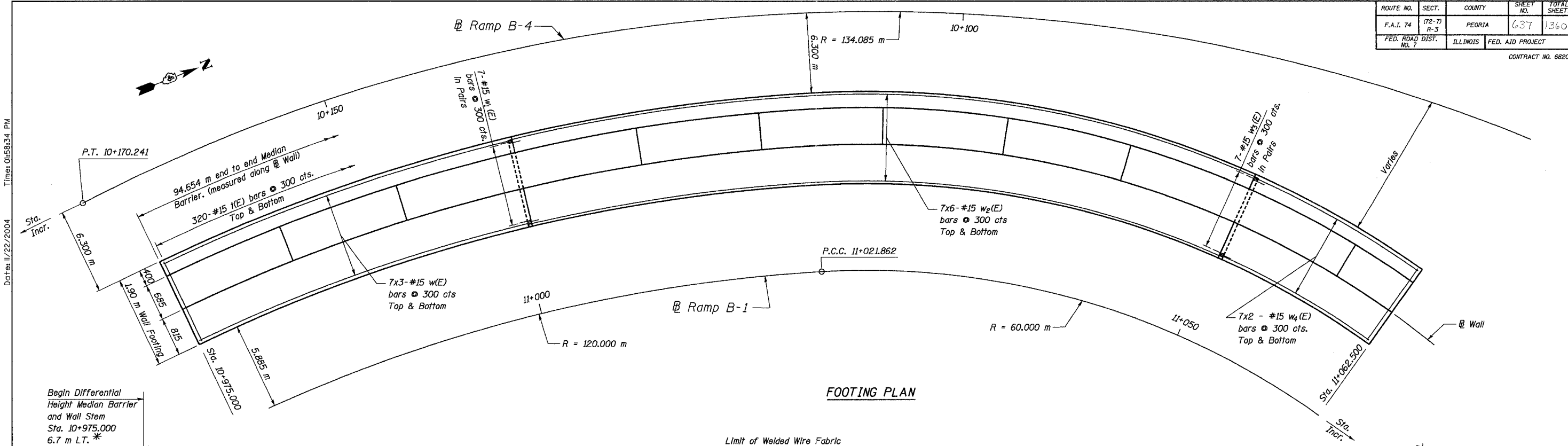
PARSONS TRANSPORTATION GROUP
 CHICAGO, ILLINOIS

DRAWING NO.	SCALE	DATE	SHEET NO.
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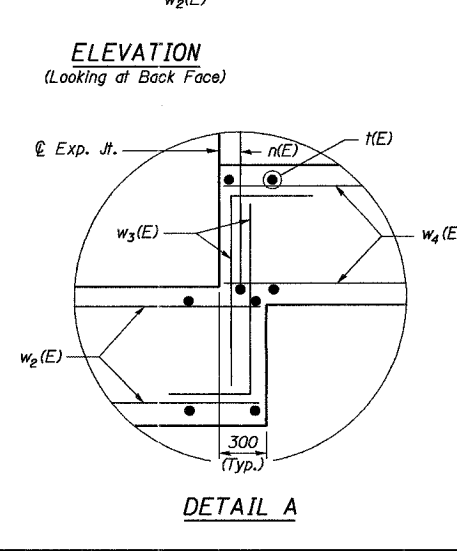
Date: 11/22/2004 Time: 04:58:17 PM File: c:\p1\643996\struc\wall\2b\sheet1\trccings\GP0001-A.dgn

Designed by: CJJ/WEE
 Checked by: EI/AK
 Drafted by: RK-S
 Checked by: CJJ/AK

ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	637	1360
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 68200	



Station Ramp B-4	ELEVATIONS					Station Ramp B-1	Top of Wall Stem
	5	4	3	2	1		
10+166.870	195.366	195.254	197.249	195.954	195.985	10+975.000	195.004
10+157.345	195.152	195.019	197.179	195.884	195.896	10+983.524	194.769
10+147.820	194.969	194.827	197.083	195.788	195.788	10+992.048	194.577
10+138.296	194.813	194.671	196.943	195.648	195.648	11+000.572	194.421
10+128.771	194.656	194.514	196.803	195.508	195.508	11+009.096	194.264
10+119.247	194.500	194.358	196.663	195.368	195.368	11+017.620	194.108
10+109.699	194.343	194.195	196.526	195.231	195.231	11+025.929	193.945
10+100.126	194.185	193.991	196.393	195.098	195.098	11+034.025	193.741
10+090.545	194.026	194.171	196.260	194.965	194.965	11+042.121	193.921
10+080.953	193.870	194.352	196.127	194.832	194.832	11+050.217	194.102
10+071.342	193.735	194.536	195.994	194.699	194.699	11+058.313	194.286
10+066.362	193.684	194.631	195.925	194.630	194.630	11+062.500	194.381



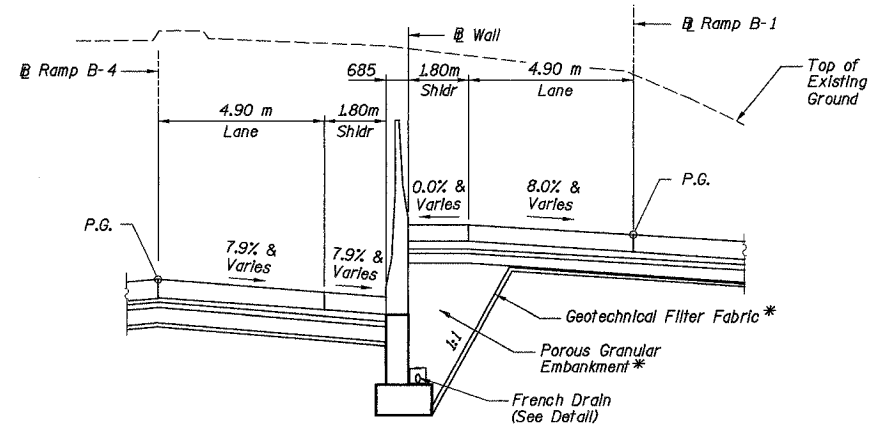
- Notes:
- Transverse bars (E) shall be spaced radially. Spacing shall be measured from the west end of the bar.
 - Longitudinal bars shall be placed circumferentially.
 - All dimensions are in millimeters (mm) except as noted.
 - Reinforcement bars designated (E) shall be epoxy coated.
 - Bars indicated thus 20 x 3-#15 etc. indicates 20 lines of bars with 3 lengths per line.
 - For Sections A-A thru C-C, see Dwg. No. 3.
 - F.F. = Front Face
B.F. = Back Face
E.F. = Each Face
E.O.P. = Edge of Pavement
 - For Bill of Materials, see Dwg. No. 3.

REVISION	DATE	DESCRIPTION
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PLAN AND ELEVATION DIFFERENTIAL HEIGHT MEDIAN BARRIER - RAMP B-1 F.A.I. ROUTE 74 SECTION (72-7)R-3 PEORIA COUNTY STA. 10+975 TO STA 11+062.5 (RAMP B-1) STRUCTURE NUMBER 072-NA PARSONS TRANSPORTATION GROUP CHICAGO, ILLINOIS		
DRAWING NO. 2	SCALE N.T.S.	DATE 11/16/04
SHEET NO. 2		SHEET NO. 2

Date: 11/22/2004 Time: 01:58:34 PM
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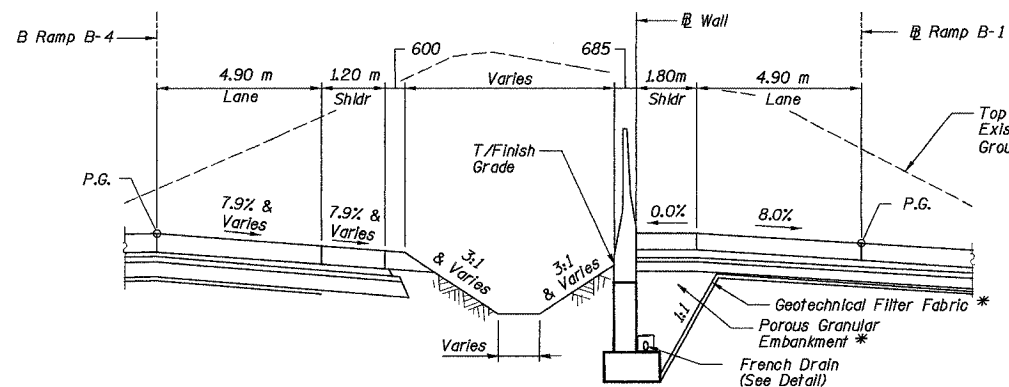
ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	638	1360
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 88200

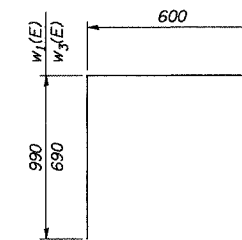


TYPICAL SECTION STA. 10+975.000 TO 11+034.132 (RAMP B-1)
(Looking North)

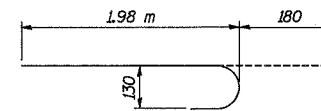
* See Roadway Plans



TYPICAL SECTION STA. 11+034.132 TO 11+062.500 (RAMP B-1)
(Looking North)



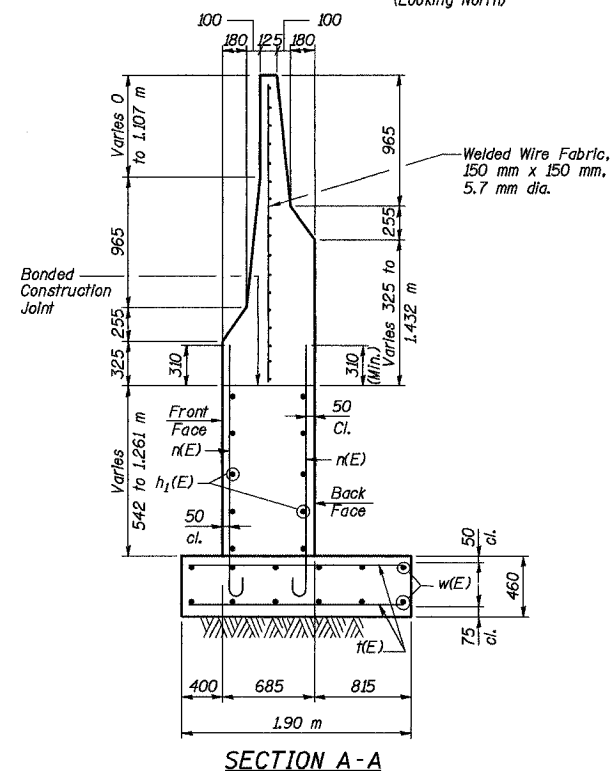
BARS w₁(E), w₃(E)



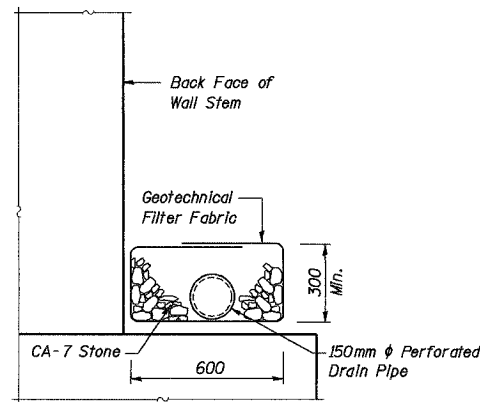
BARS n(E)

BILL OF MATERIAL

Bar	No.	Size	Length (m)	Shape
n(E)	68	#15	9.70	—
h ₁ (E)	30	#15	8.90	—
h ₂ (E)	8	#15	4.56	—
n(E)	640	#15	2.16	⌋
n(E)	640	#15	1.80	—
w(E)	42	#15	9.55	—
w ₁ (E)	14	#15	1.59	⌋
w ₂ (E)	84	#15	9.75	—
w ₃ (E)	14	#15	1.29	⌋
w ₄ (E)	28	#15	7.25	—
Reinforcement Bars, Epoxy Coated			kg	7790
Concrete Barrier, Double Face (Special)			m ³	223.9

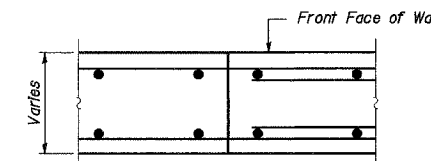


SECTION A-A



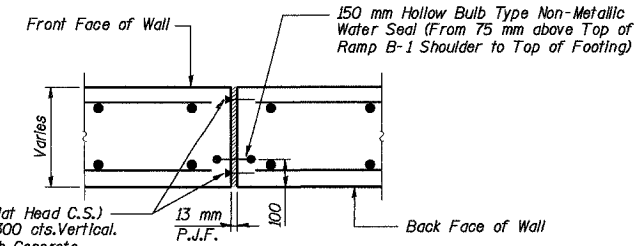
FRENCH DRAIN DETAIL

The French Drain Installation shall follow Section 601 of the Standard Specifications except that the trench will be filled with CA-7 coarse aggregate. The trench shall be lined with Geotechnical Filter Fabric for French Drains and have a 150 mm diameter perforated drain pipe located near the base of the excavation. The cost of the Geotechnical Filter Fabric and perforated drain pipe is included with the pay item French Drains.



SECTION B-B

Typical Construction Joint



SECTION C-C

Typical Expansion Joint

Notes:

1. Reinforcement bars designated (E) shall be epoxy coated.
2. All dimensions are in millimeters (mm) except as noted.

REVISION	DATE	DESCRIPTION
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		
BILL OF MATERIAL AND MISC. DETAILS		
DIFFERENTIAL HEIGHT MEDIAN BARRIER - RAMP B-1 F.A.I. ROUTE 74 SECTION (72-7)R-3 PEORIA COUNTY STA. 10+975 TO STA 11+062.5 (RAMP B-1) STRUCTURE NUMBER 072-NA		
PARSONS TRANSPORTATION GROUP CHICAGO, ILLINOIS		
DRAWING NO. 3	SCALE N.T.S.	DATE 11/16/04
		SHEET NO. 3

Designed by: WEE
Checked by: AK
Drafted by: RK-S
Checked by: CJJ/AK

Time: 01:58:49 PM

Date: 11/22/2004

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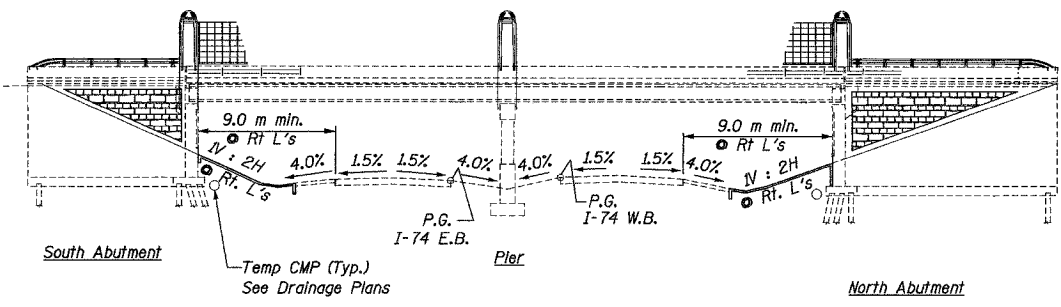
ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7)R-3	PEORIA	256	1038
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CH1201 Chiseled "X" on Sidewalk located on S.W. Section of S.N. 072-0061 Sterling Ave. Bridge over I-74. Elev. 203.695
 B. M. #1 Chiseled "L" on top of N. corner of first step of parapet wall on N.W. corner of S.N. 072-0061 Sterling Ave. over I-74. Elev. 203.564 m
 B. M. #2 Chiseled " + " on S.W. base bolt for electric tower 321.9 m North of I-74. & East of Sterling Ave. on N.W. corner of substation property, Northwoods. Elev. 203.402 m

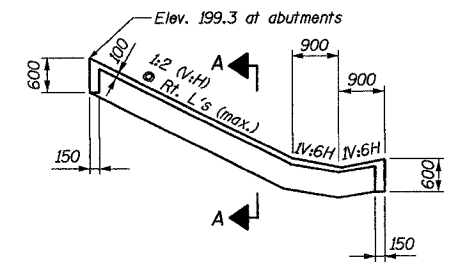
TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Slope Wall 100 mm	m ²	574

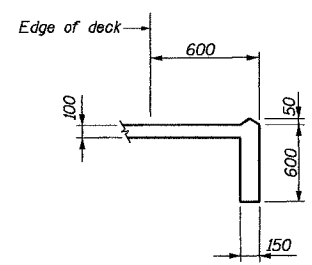
Existing structure :
 S. N. 072-0191 is a two span bridge built as F. A. I. Rte 74, Sec. (72-7)R in 2003. Slope walls shall be added between the abutment and the roadway as shown above. See roadway plans for edge of pavement elevations.



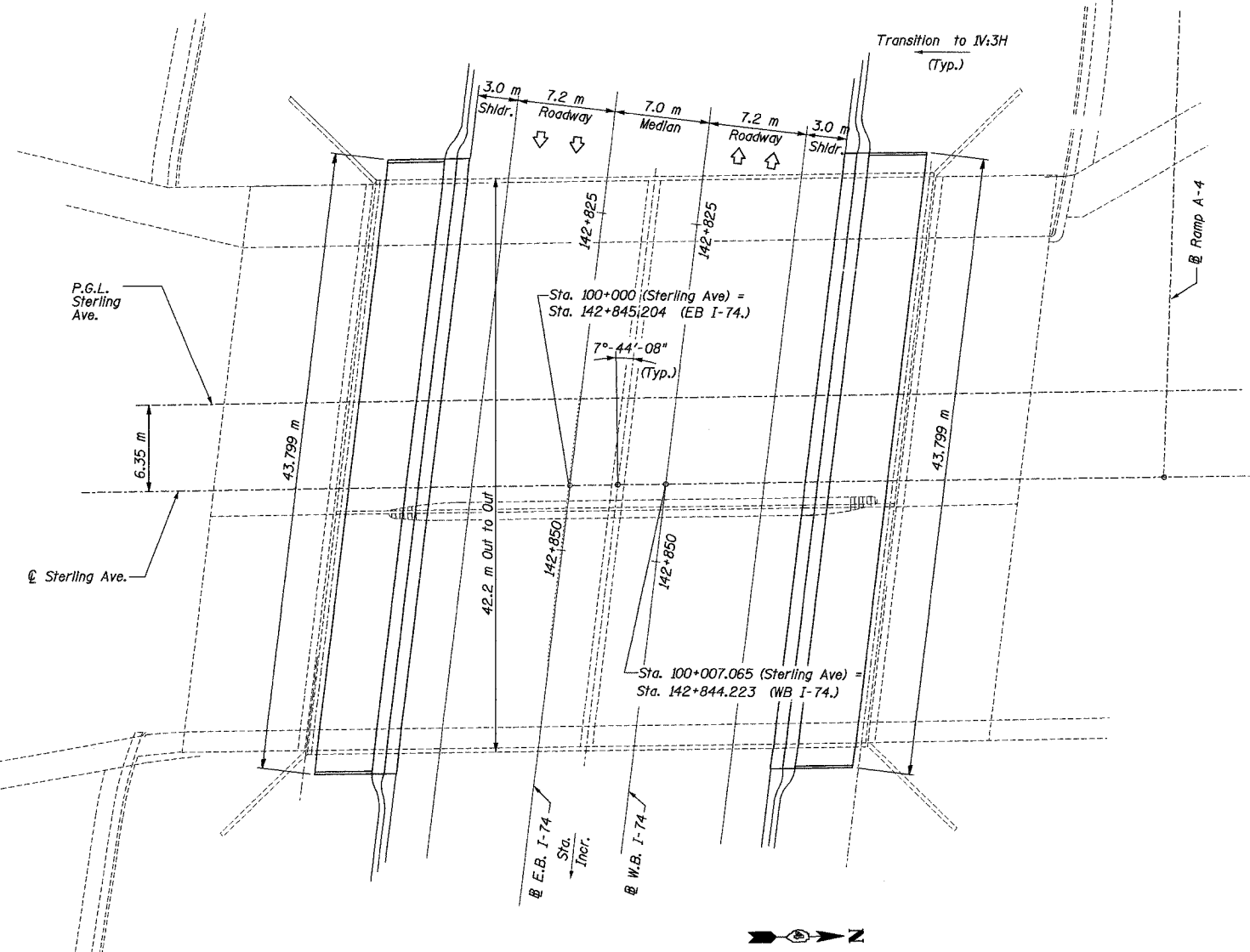
ELEVATION



SECTION THRU SLOPEWALL



SECTION A-A



PLAN

DESIGN SPECIFICATIONS
 1996 AASHTO with Interims through 2000

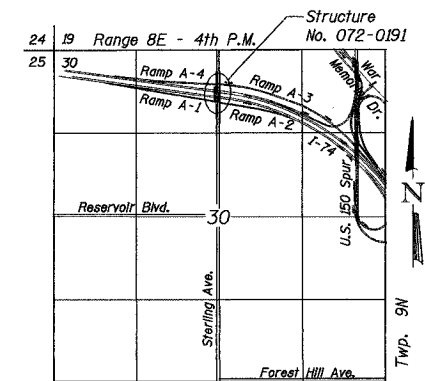
DESIGN STRESSES

FIELD UNITS
 $f'c = 24 \text{ MPa}$
 $f_y = 400 \text{ MPa (Reinf.)}$



GENERAL NOTES

- Slope wall shall be reinforced with welded wire fabric, 152 x 152 - MW25.8 x MW25.8 with a mass of 2.91 kg/m².
- All dimensions are in millimeters (mm) except as noted.



LOCATION SKETCH

REVISION	DATE	DESCRIPTION
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		
SLOPE WALLS		
STERLING AVE. OVER F.A.I. ROUTE 74 (I-74) F.A.I. ROUTE 74 SEC. (72-7)R-3 PEORIA COUNTY STA. 100+003.533 STRUCTURE NUMBER 072-0191		
PARSONS TRANSPORTATION GROUP CHICAGO, ILLINOIS		
DRAWING NO. 1	SCALE N.T.S.	DATE 06-25-04
		SHEET NO. 1

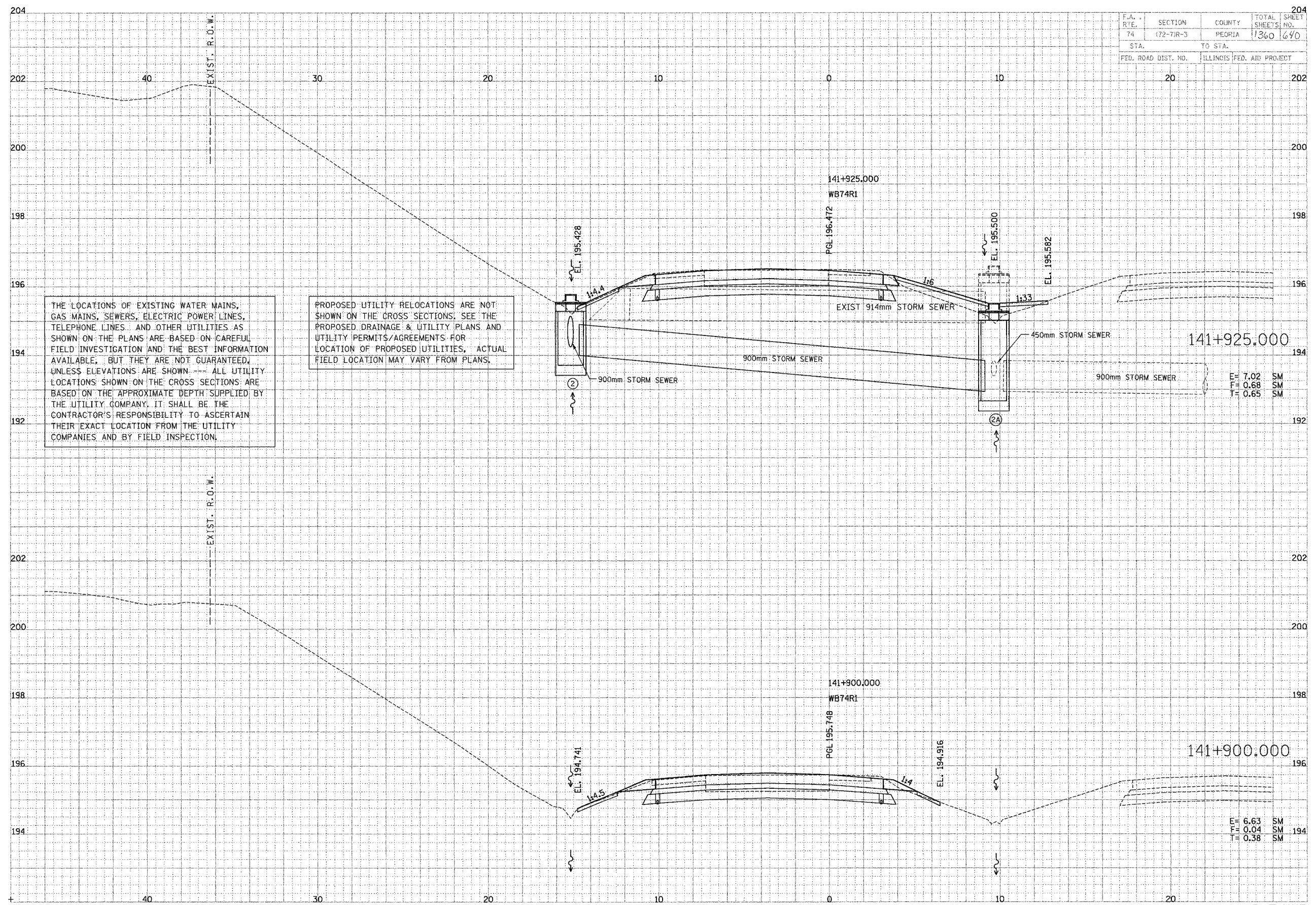
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Date: 11/22/2004

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Designed by: AK
 Checked by: WEE
 Drafted by: JV
 Checked by: WEE

F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	PEORIA	1360	640
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES, AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED, UNLESS ELEVATIONS ARE SHOWN --- ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.

PROPOSED UTILITY RELOCATIONS ARE NOT SHOWN ON THE CROSS SECTIONS. SEE THE PROPOSED DRAINAGE & UTILITY PLANS AND UTILITY PERMITS/AGREEMENTS FOR LOCATION OF PROPOSED UTILITIES. ACTUAL FIELD LOCATION MAY VARY FROM PLANS.

E = 7.02 SM
F = 0.68 SM
T = 0.65 SM

E = 6.63 SM
F = 0.04 SM
T = 0.38 SM

DATE	BY
DATE	BY
DATE	BY

PARSONS
TRANSPORTATION GROUP
Engineers and Planners

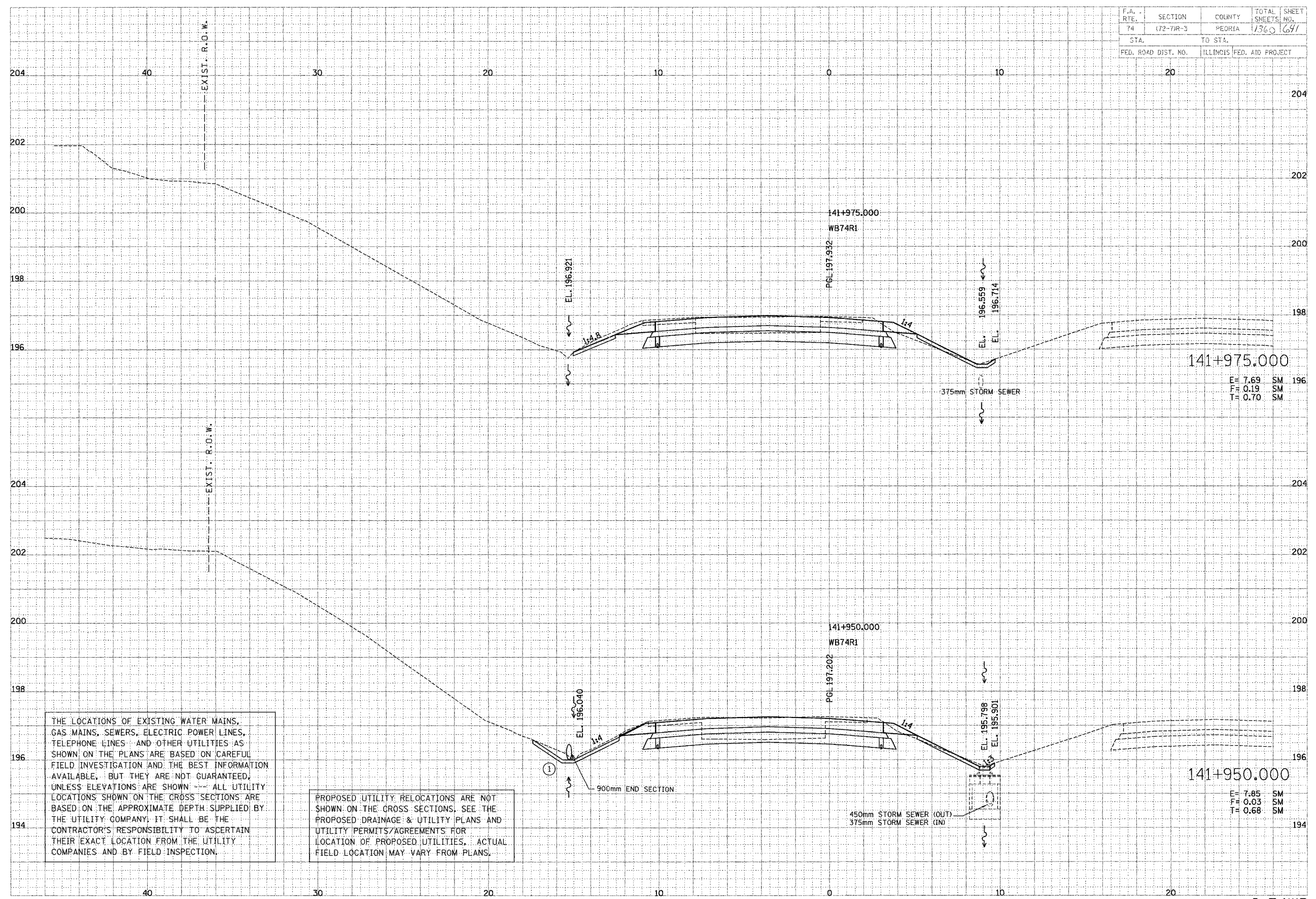
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DATE	BY
DATE	BY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	PEORIA	136	691
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	BY	REVISION

PARSONS
TRANSPORTATION GROUP
Engineers and Planners

DATE	BY	REVISION



THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED, UNLESS ELEVATIONS ARE SHOWN. ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.

PROPOSED UTILITY RELOCATIONS ARE NOT SHOWN ON THE CROSS SECTIONS. SEE THE PROPOSED DRAINAGE & UTILITY PLANS AND UTILITY PERMITS/AGREEMENTS FOR LOCATION OF PROPOSED UTILITIES. ACTUAL FIELD LOCATION MAY VARY FROM PLANS.

141+975.000
E = 7.69 SM
F = 0.19 SM
T = 0.70 SM

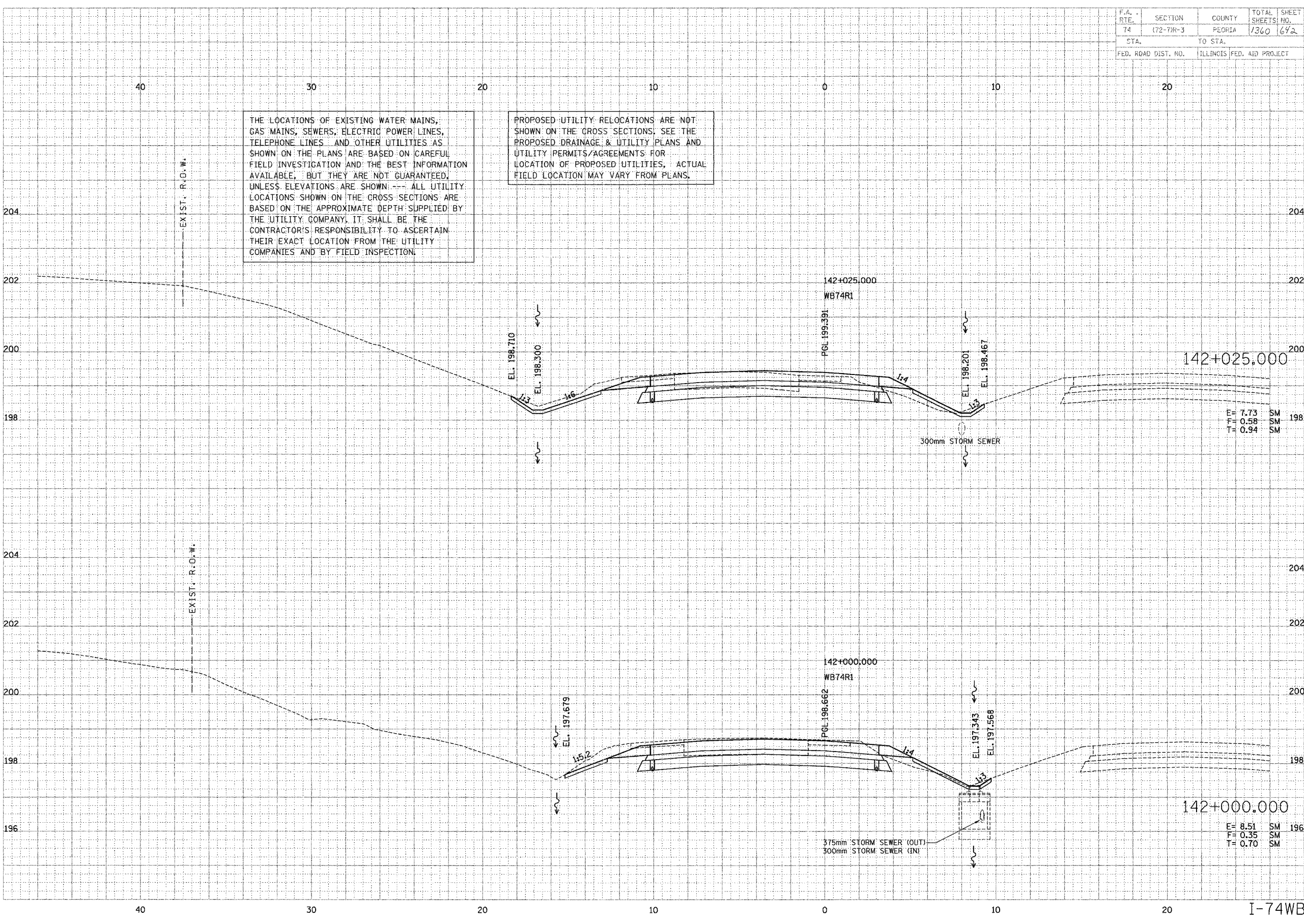
141+950.000
E = 7.85 SM
F = 0.03 SM
T = 0.68 SM

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7R-3)	FLORIDA	1360	692
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DATE _____
 BY _____
 CHECKED _____
 APPROVED _____
 TITLE _____
 NO. _____

PARSONS
 TRANSPORTATION GROUP
 Engineers and Planners

ORIGINAL DATE _____
 SURVISED DATE _____
 CHECKED DATE _____
 APPROVED DATE _____
 TITLE _____
 NO. _____



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-74)-3	PEORIA	1360	643
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

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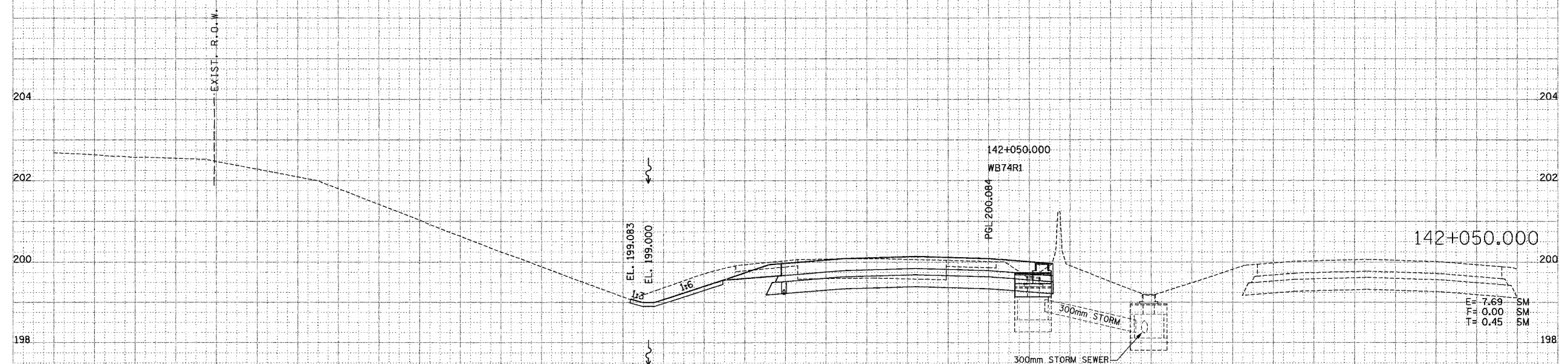
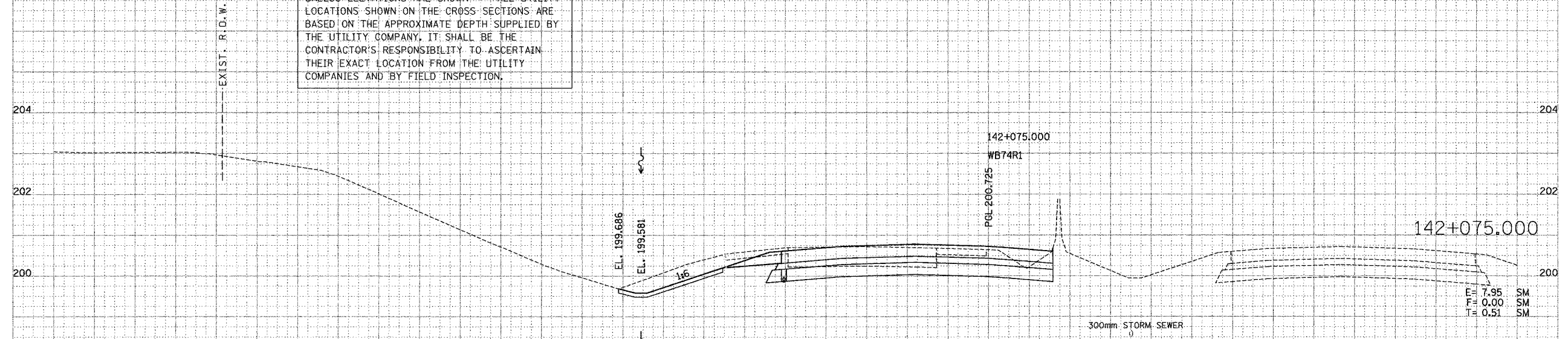
DATE	
BY	
SAVED	
PLOTTED	
NOTE BOOK	
APPROVED	

PARSONS
TRANSPORTATION GROUP
Engineers and Planners

DATE	
BY	
SAVED	
PLOTTED	
NOTE BOOK	
APPROVED	

THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED, UNLESS ELEVATIONS ARE SHOWN. ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.

PROPOSED UTILITY RELOCATIONS ARE NOT SHOWN ON THE CROSS SECTIONS. SEE THE PROPOSED DRAINAGE & UTILITY PLANS AND UTILITY PERMITS/AGREEMENTS FOR LOCATION OF PROPOSED UTILITIES. ACTUAL FIELD LOCATION MAY VARY FROM PLANS.



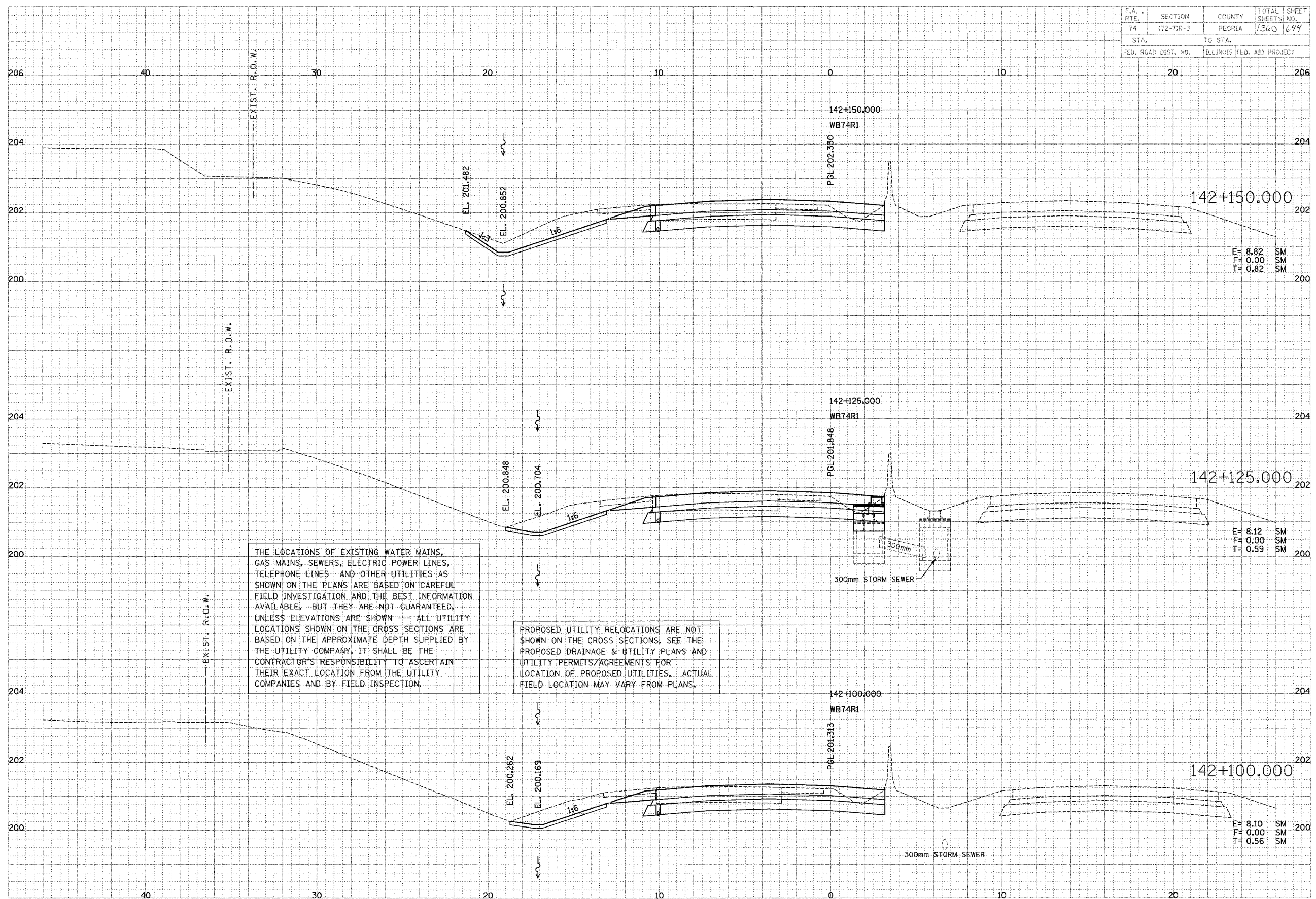
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	172-TR-3	PEORIA	1360	644
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

DATE	BY
DATE	BY
DATE	BY

PARSONS TRANSPORTATION GROUP
Engineers and Planners

DATE	BY
DATE	BY
DATE	BY



E = 8.82 SM
F = 0.00 SM
T = 0.82 SM

E = 8.12 SM
F = 0.00 SM
T = 0.59 SM

E = 8.10 SM
F = 0.00 SM
T = 0.56 SM

THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED, UNLESS ELEVATIONS ARE SHOWN. ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.

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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	172-79R-3	PEORIA	1360	645
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

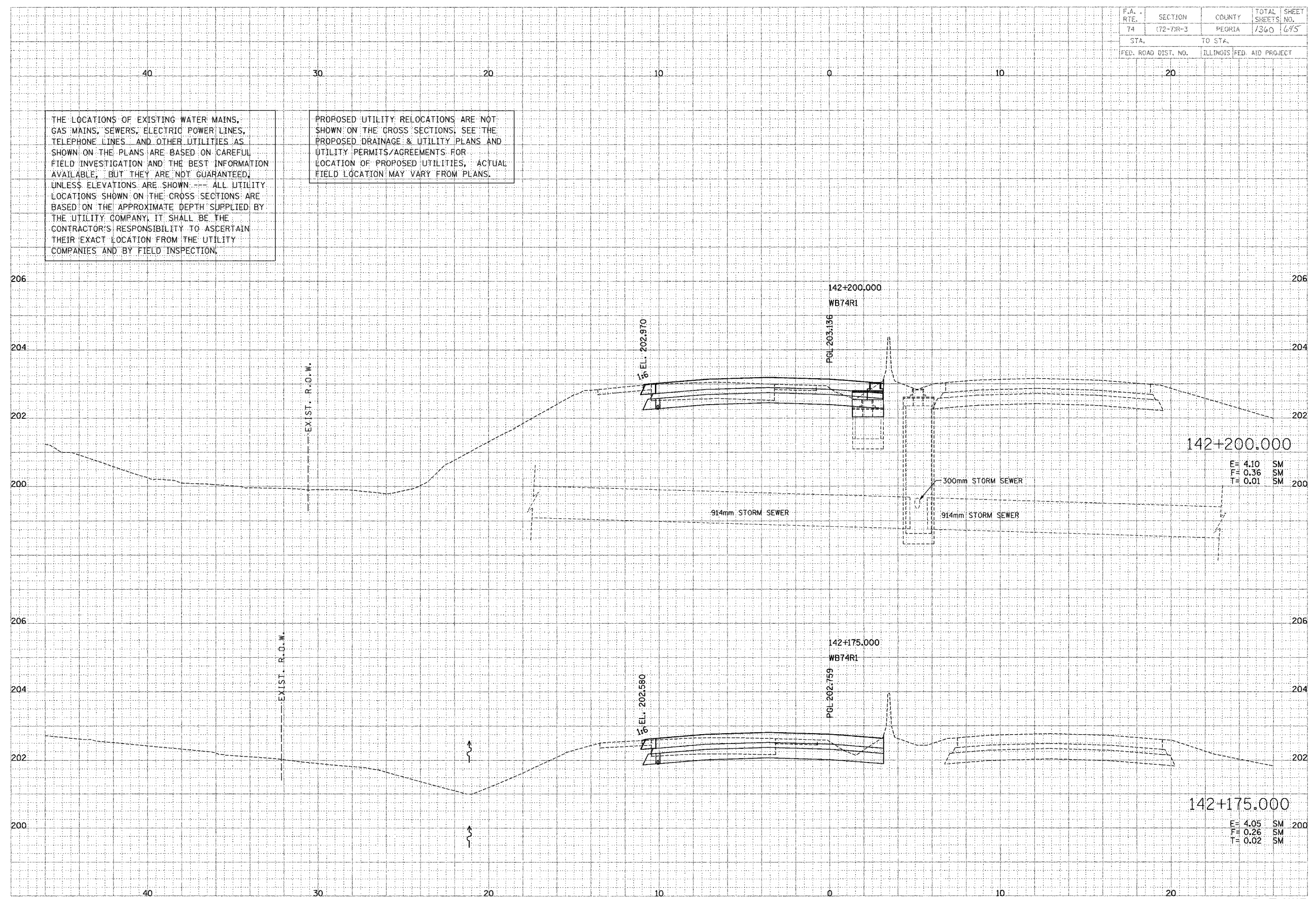
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DATE	BY
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DATE	BY

PARSONS
TRANSPORTATION GROUP
Engineers and Planners

DATE	BY
DATE	BY
DATE	BY



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-74R-3)	PEORIA	1340	646
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

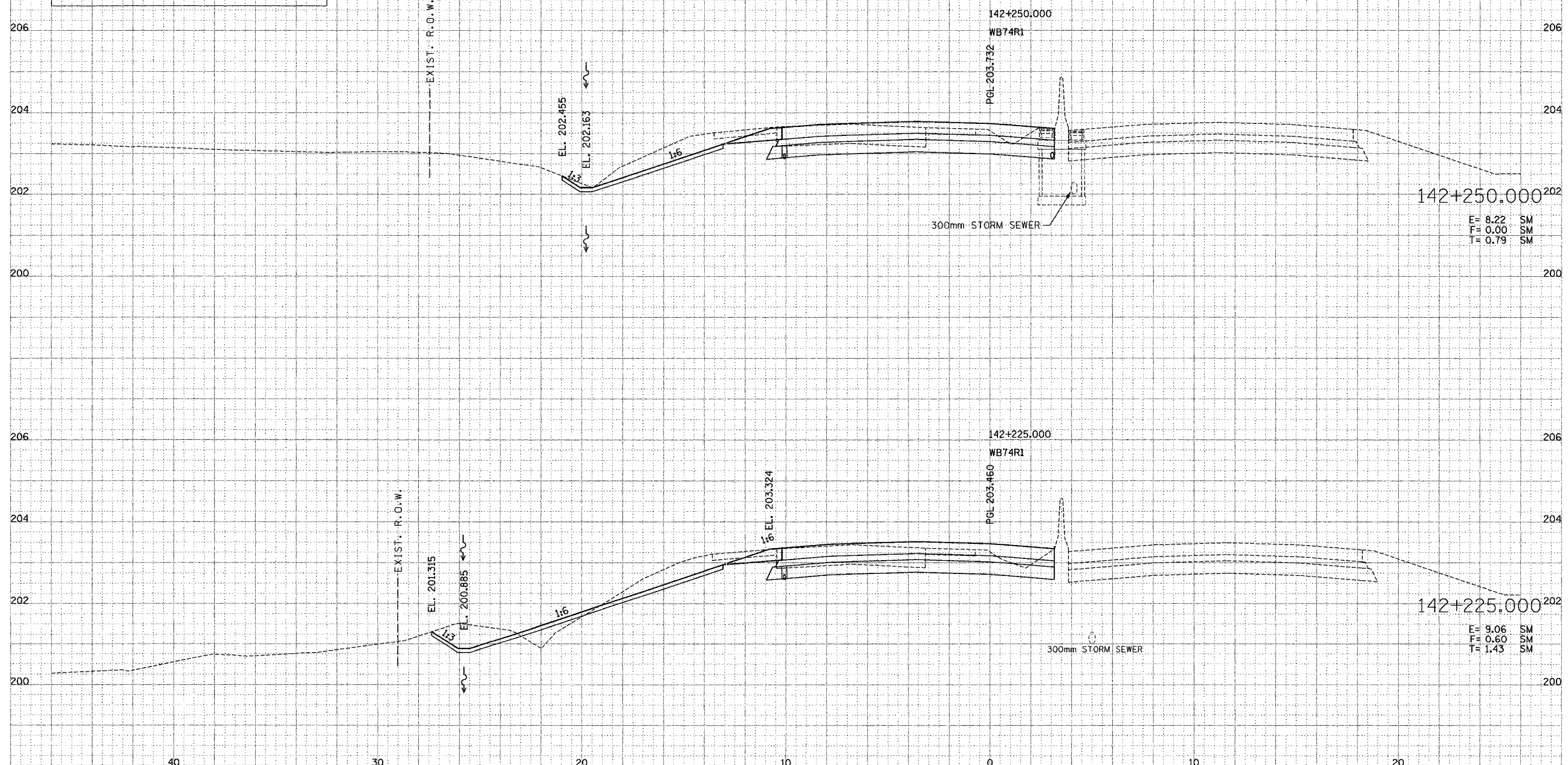
DATE	BY


PARSONS TRANSMITTAL GROUP
 Engineers and Planners

DATE	BY

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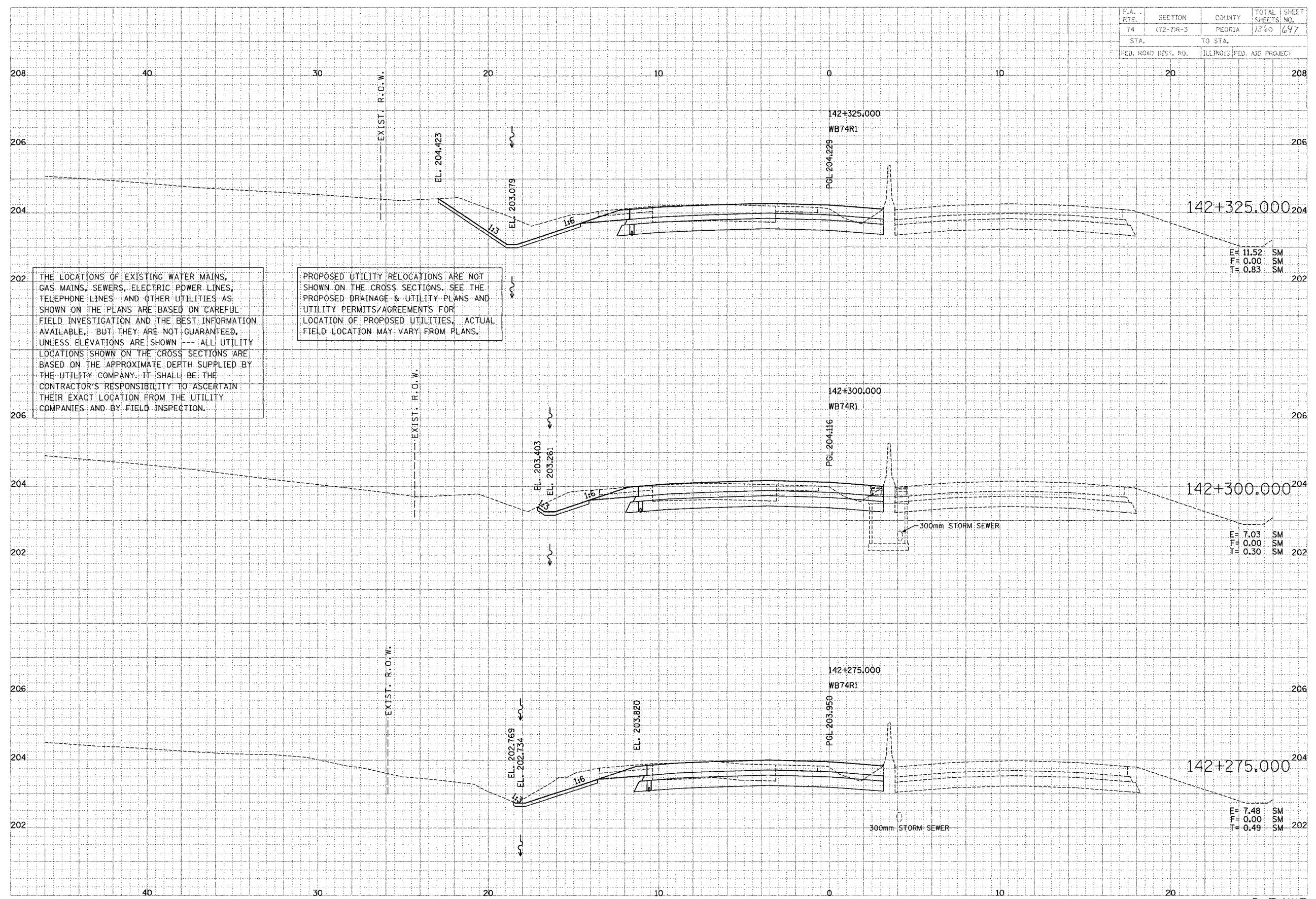


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	PEORIA	1365	647
STA. TO STA.		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO.				

DATE	BY
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PARSONS TRANSPORTATION GROUP
Engineers and Planners

DATE	BY
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DATE	BY



THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE. BUT THEY ARE NOT GUARANTEED, UNLESS ELEVATIONS ARE SHOWN --- ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.

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E= 11.52 SM
F= 0.00 SM
T= 0.83 SM

E= 7.03 SM
F= 0.00 SM
T= 0.30 SM

E= 7.48 SM
F= 0.00 SM
T= 0.49 SM

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	172-7HR-3	PEORIA	1360	698
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS		FED. AID PROJECT	

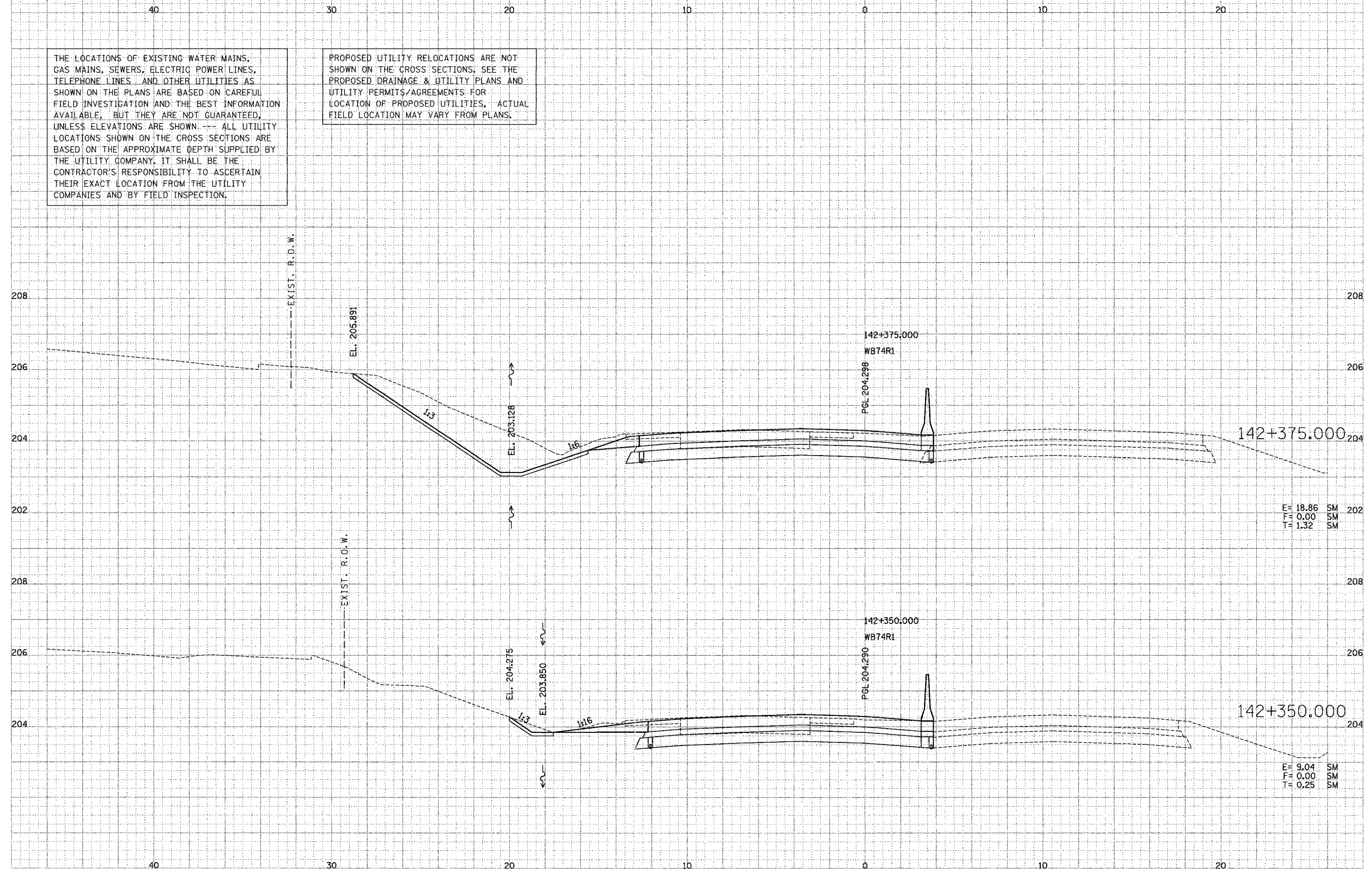
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DATE	BY	REVISION

TRANSPORTATION GROUP
Engineers and Planners

DATE	BY	REVISION

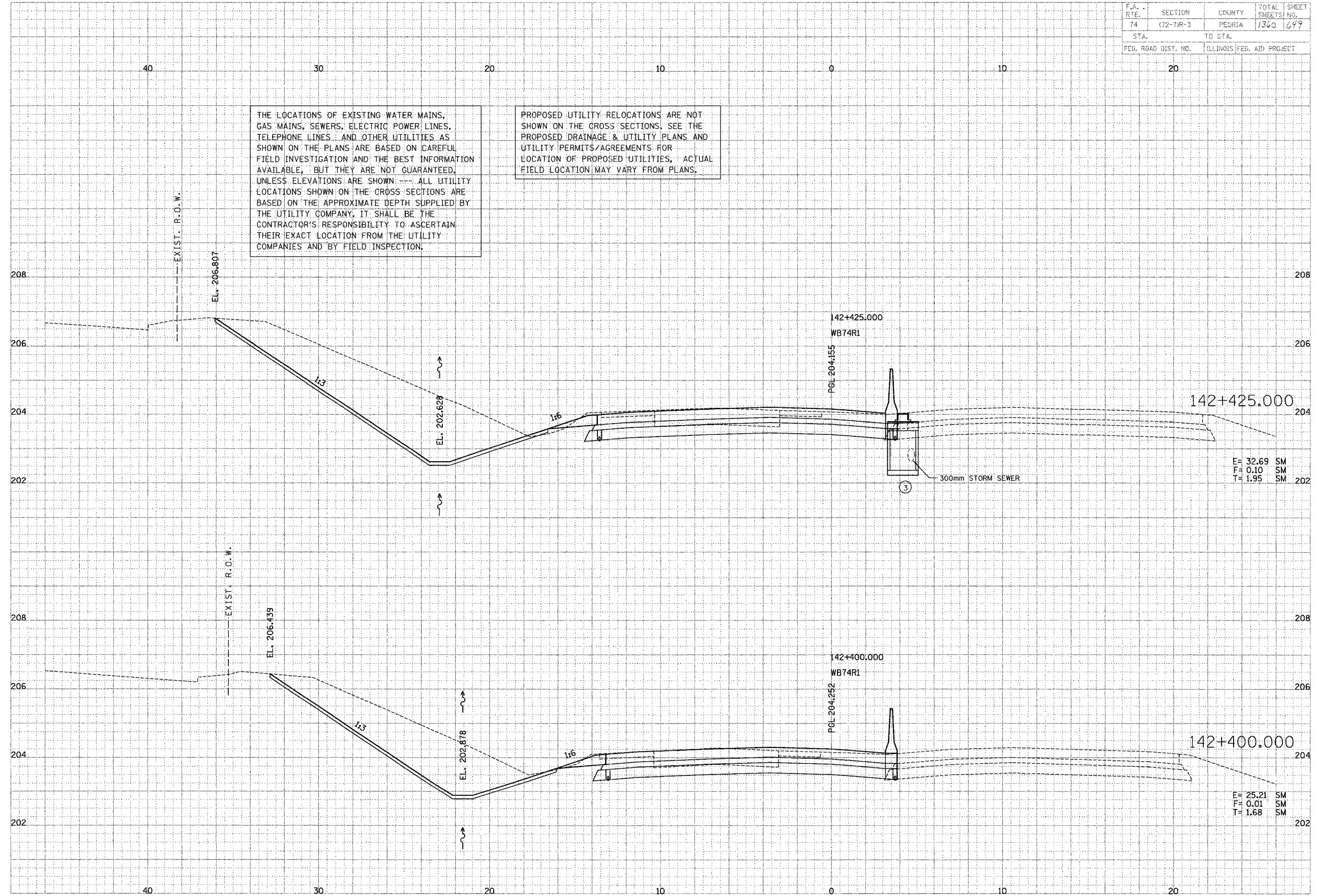


F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7R-3)	PEORIA	1360	699
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS		FED. AID PROJECT	

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PARSONS TRANSPORTATION GROUP
Engineers and Planners

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E= 32.69 SM
F= 0.10 SM
T= 1.95 SM

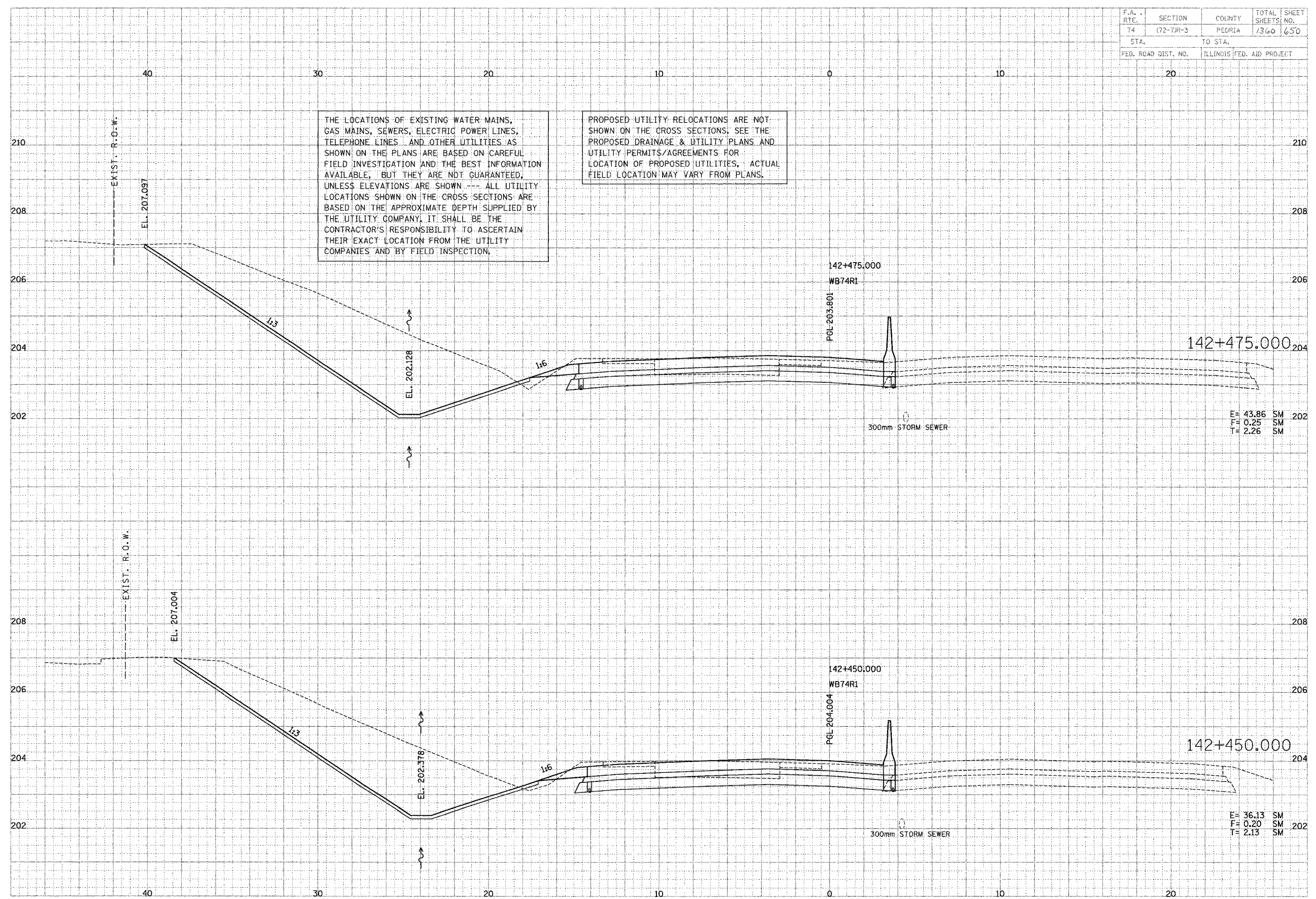
E= 25.21 SM
F= 0.01 SM
T= 1.68 SM

F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	PEORIA	1360	650
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	BY	REVISION

PARSONS TRANSPORTATION GROUP
 Engineers and Planners

DATE	BY	REVISION



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E= 43.86 SM
 F= 0.25 SM
 T= 2.26 SM

E= 36.13 SM
 F= 0.20 SM
 T= 2.13 SM

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7R-3)	PEORIA	1340	657
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

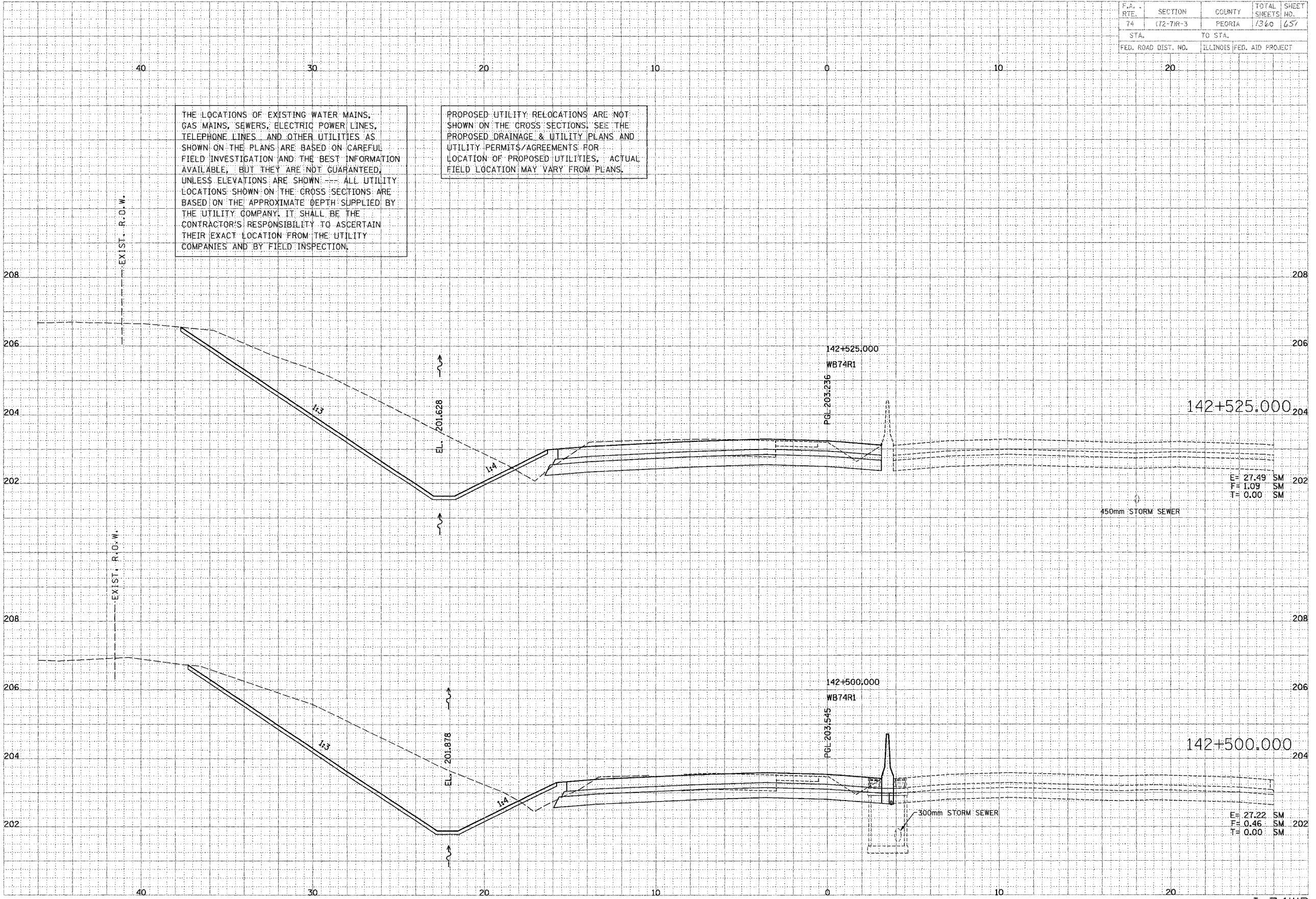
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DATE	BY	REVISION

ENGINEERS AND PLANNERS

DATE	BY	REVISION



E = 27.49 SM
 F = 1.09 SM
 T = 0.00 SM

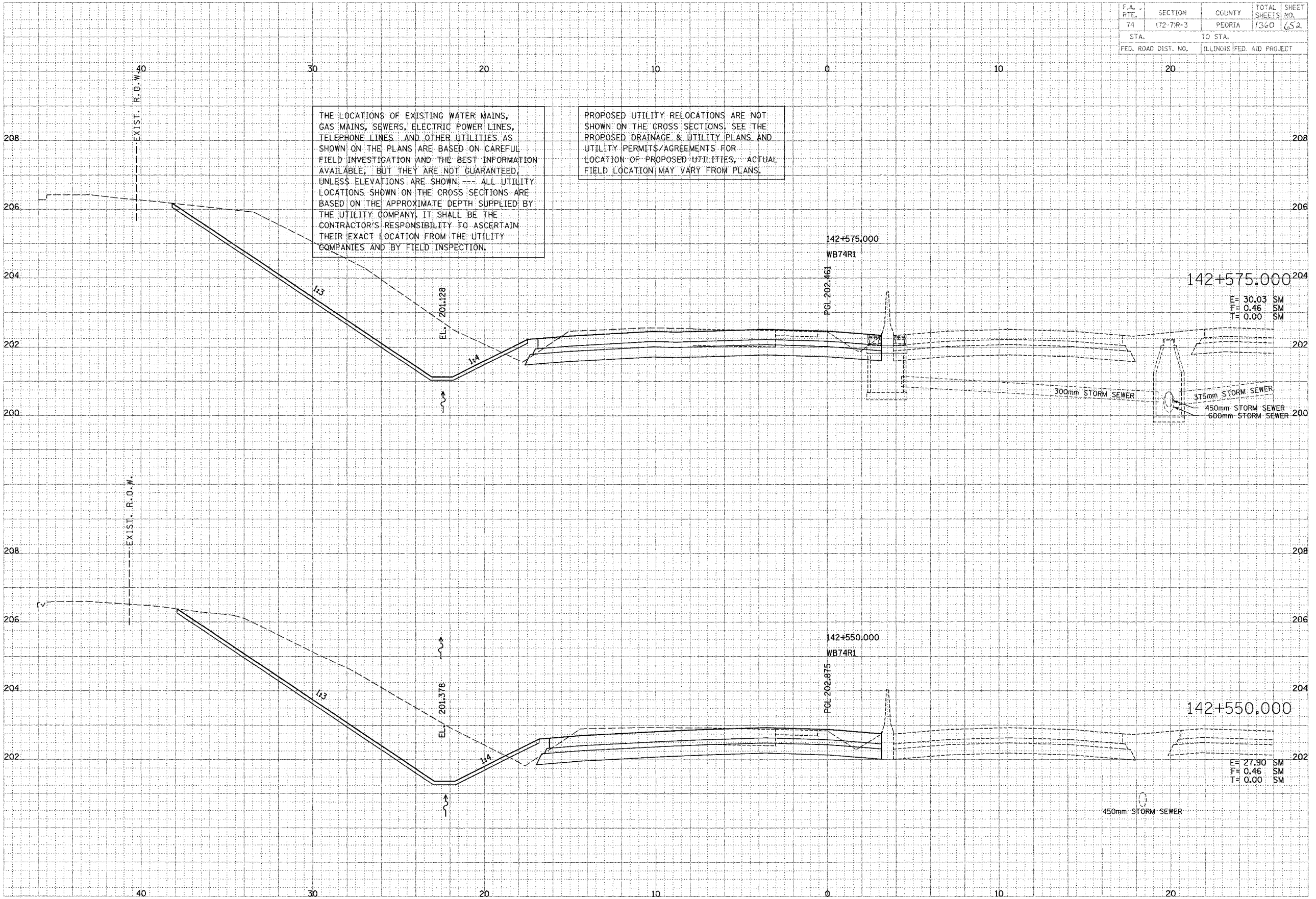
E = 27.22 SM
 F = 0.46 SM
 T = 0.00 SM

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	172-73R-3	PEORIA	1360	652
STA.	TO STA.	ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO.				

DATE	BY


JAMES W. PFLIEGER
 ENGINEER
 TRANSPORTATION ENGINEER
 Engineers and Planners

DATE	BY

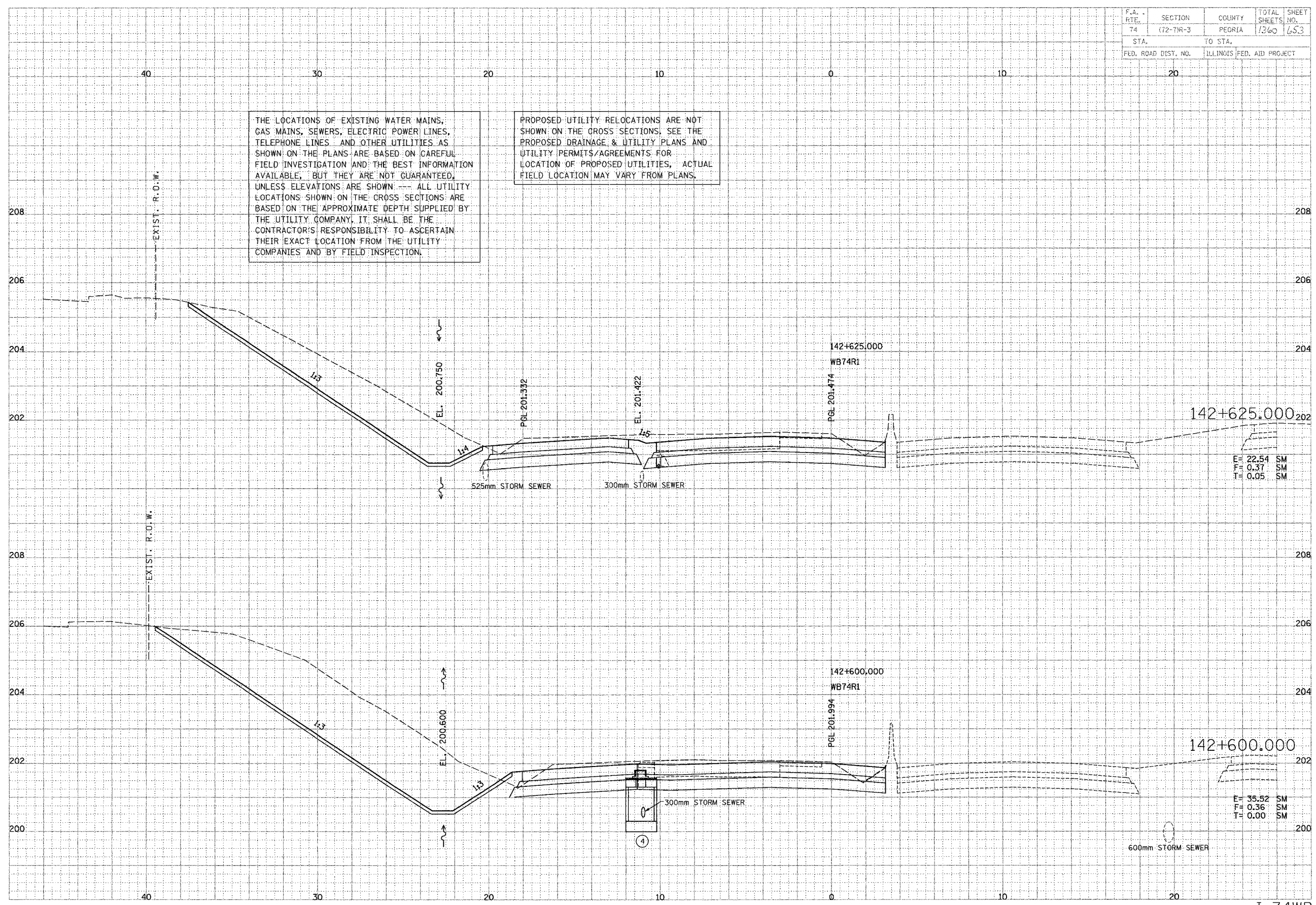


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71R-3)	PEORIA	1360	653
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	BY
DATE	BY
DATE	BY


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 ENGINEERS AND PLANNERS

DATE	BY
DATE	BY
DATE	BY



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E= 22.54 SM
 F= 0.37 SM
 T= 0.05 SM

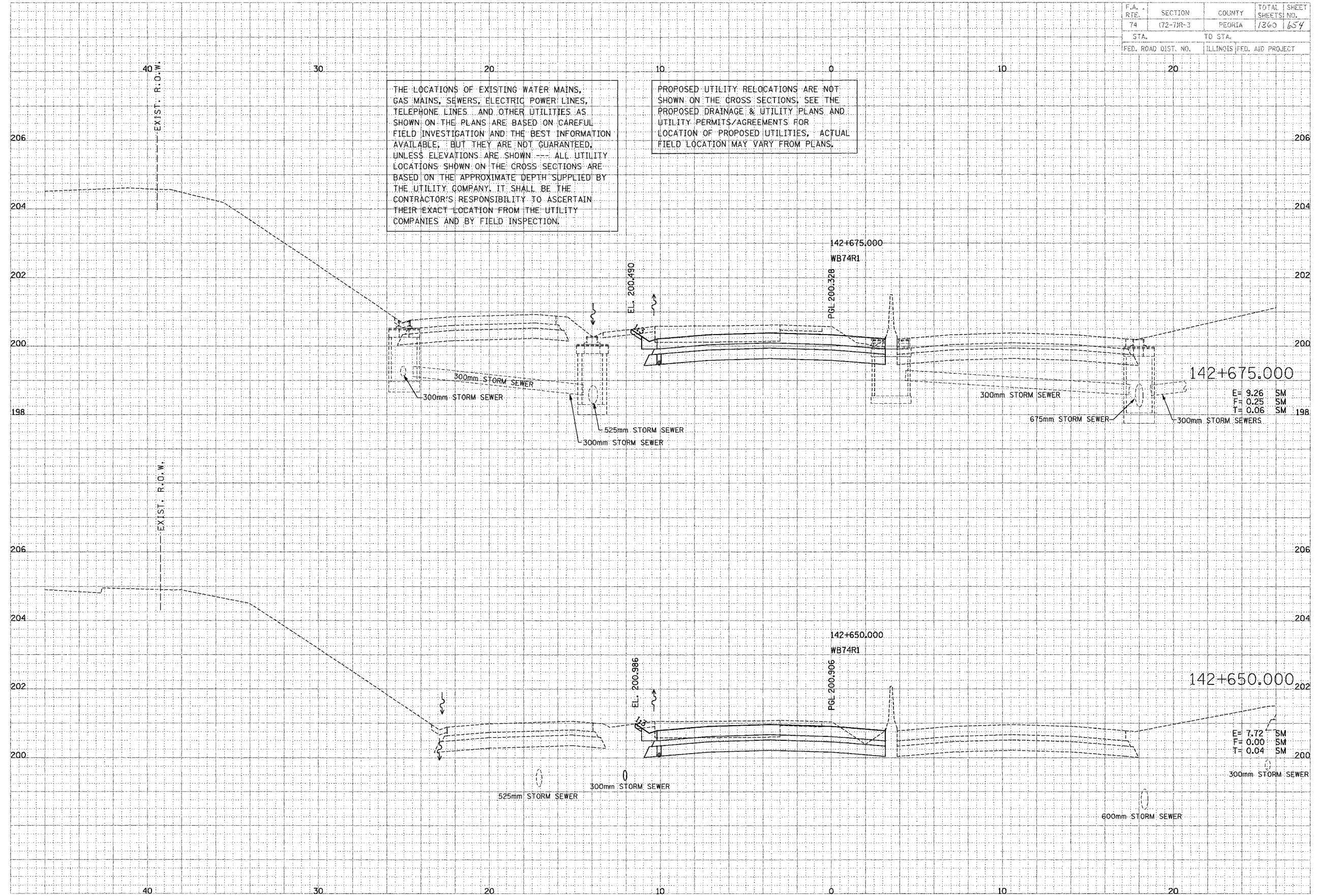
E= 35.52 SM
 F= 0.36 SM
 T= 0.00 SM

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7R-3)	PEORIA	1360	654
STA. TO STA.		ILLINOIS FED. AID PROJECT		

DATE	BY	REVISION


TRANSPORTATION ENGINEERS AND PLANNERS
 ENGINEERS AND PLANNERS

DATE	BY	REVISION

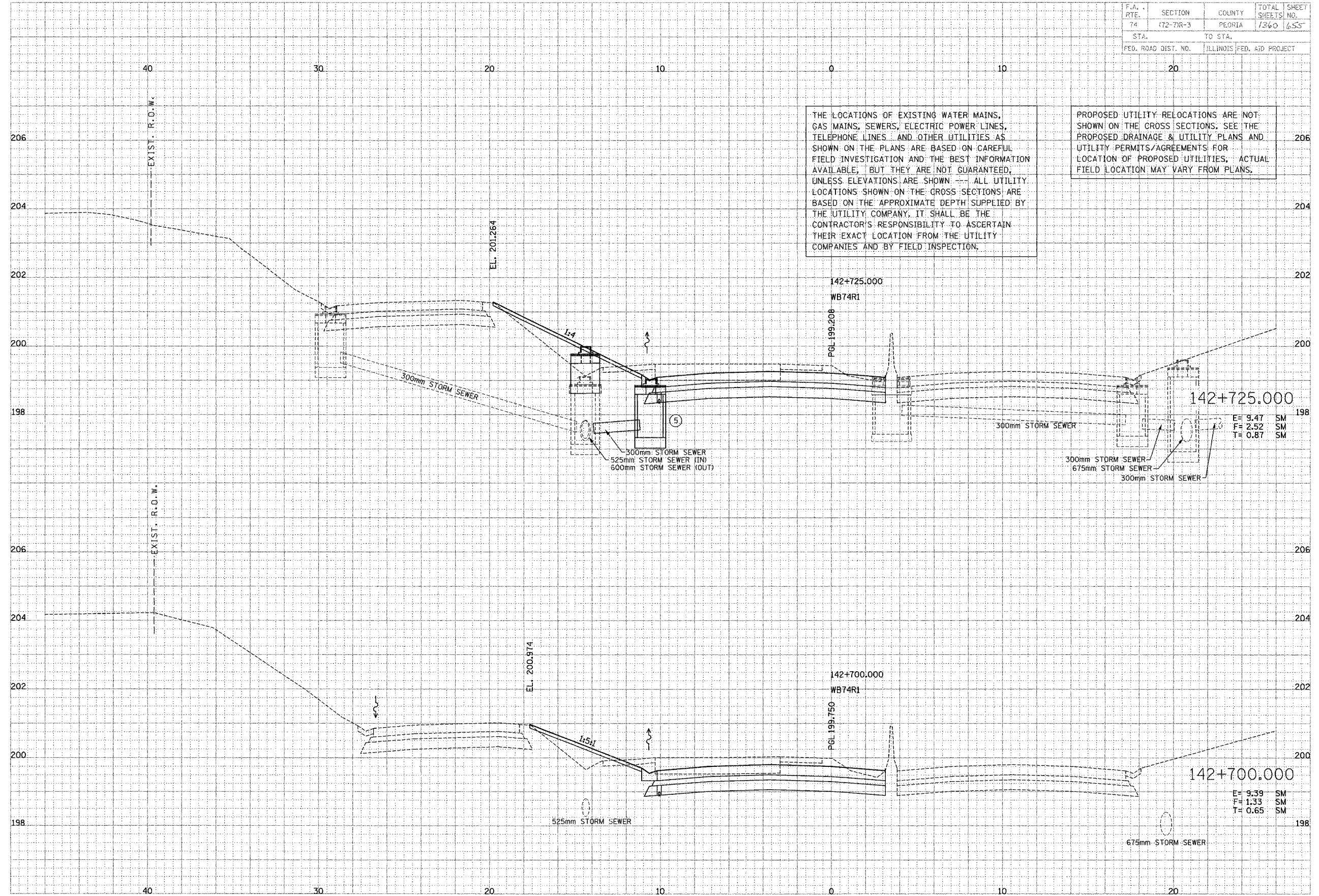


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	172-7R-3	PEORIA	1360	655
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	BY	REVISION


PARSONIANS
TRANSPORTATION GROUP
 Engineers and Planners

DATE	BY	REVISION



THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED, UNLESS ELEVATIONS ARE SHOWN. ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.

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E = 9.47 SM
 F = 2.52 SM
 T = 0.87 SM

E = 9.39 SM
 F = 1.33 SM
 T = 0.65 SM

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(12-74R-3)	PEORIA	1360	656
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS		FED. AID PROJECT	

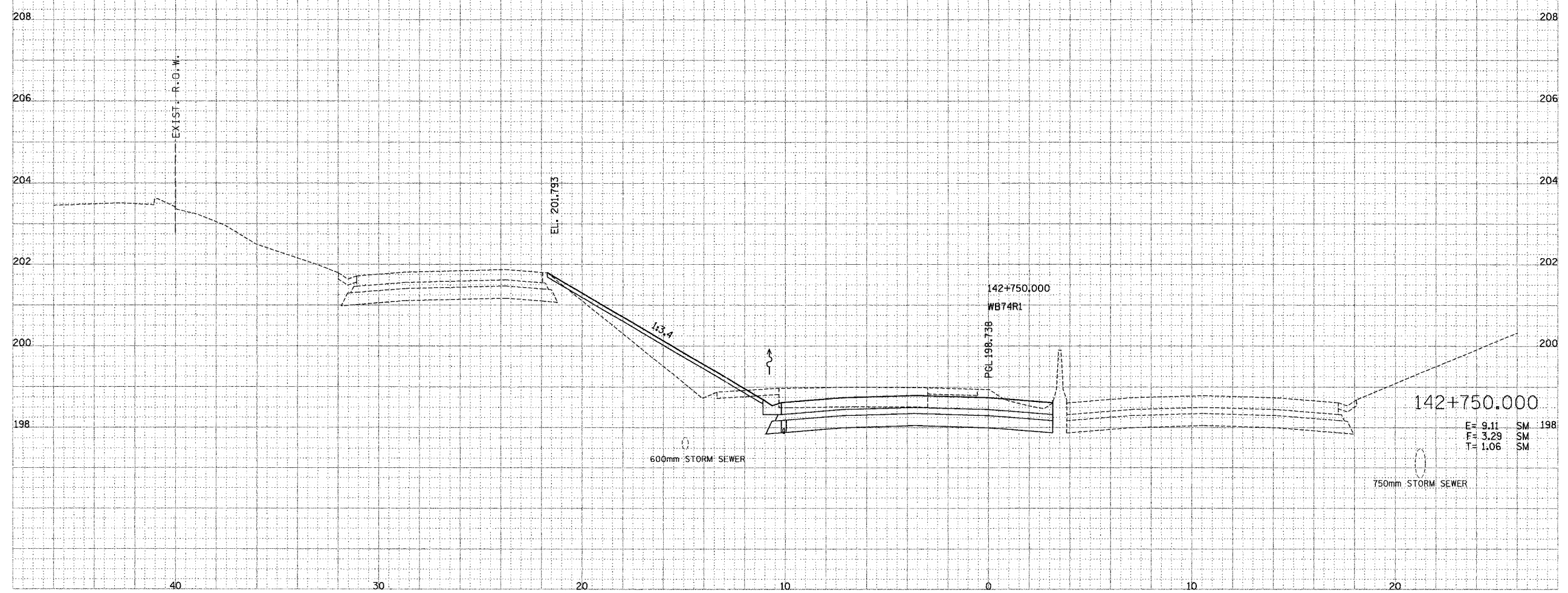
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DATE	BY
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PARSONS TRANSCORPORATION GROUP
Engineers and Planners

DATE	BY
DATE	BY
DATE	BY



E= 9.11 SM 198
F= 3.29 SM
T= 1.06 SM

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-74R-3)	PEORIA	1560	658
STA. TO STA.		ILLINOIS FED. AID PROJECT		

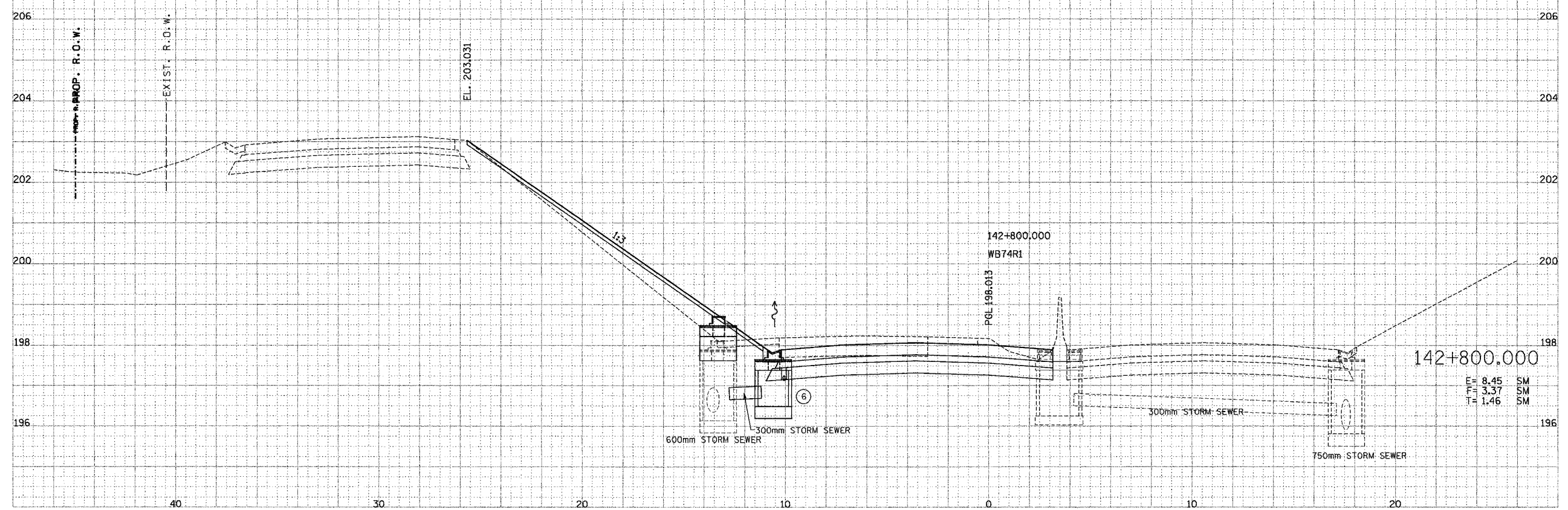
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DATE	BY	REVISION

PARSONS
TRANSPORTATION GROUP
Engineers and Planners

DATE	BY	REVISION



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	PEORIA	1360	660
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

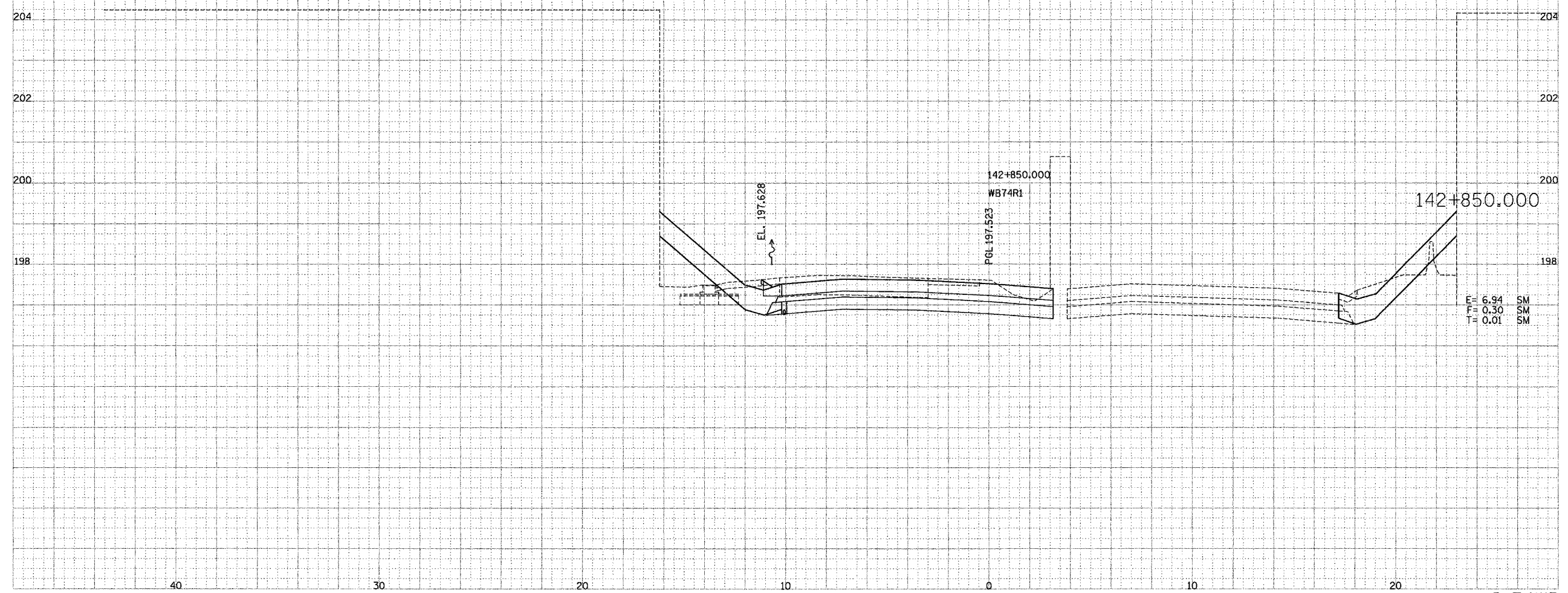
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DATE	BY
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DATE	BY

PAULSONS TRANSMITTATION ENGINEERS and PLANNERS

DATE	BY
DATE	BY
DATE	BY

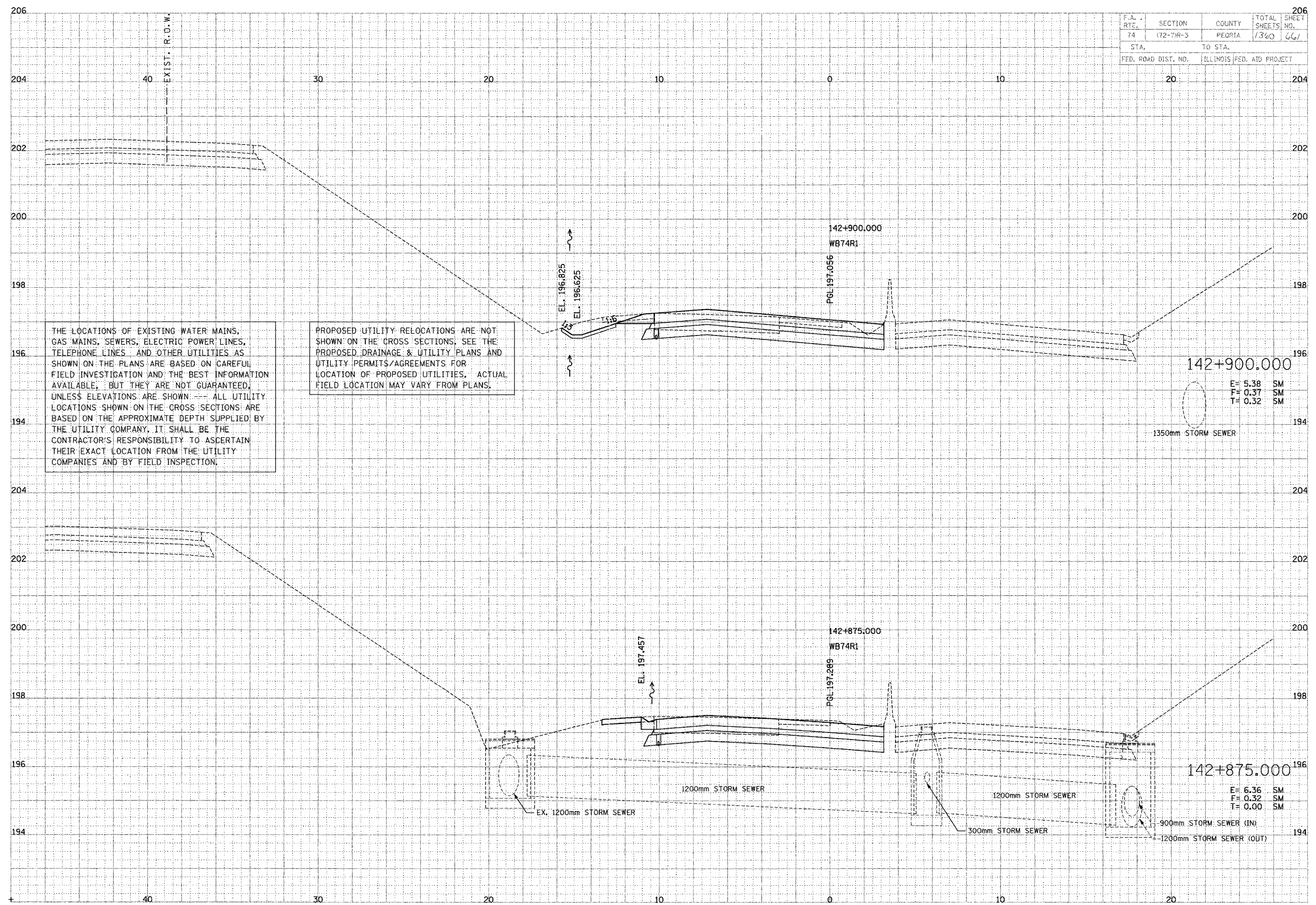


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7R-3)	PEORIA	1360	667
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS		FED. AID PROJECT	

DATE	BY
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DATE	BY

PARSONS
FRANKLIN & THOM
Engineers and Planners

DATE	BY
DATE	BY
DATE	BY



THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED, UNLESS ELEVATIONS ARE SHOWN. ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.

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142+900.000

E= 5.38 SM
F= 0.37 SM
T= 0.32 SM

1350mm STORM SEWER

142+875.000

E= 6.36 SM
F= 0.32 SM
T= 0.00 SM

1200mm STORM SEWER

1200mm STORM SEWER

300mm STORM SEWER

900mm STORM SEWER (IN)

1200mm STORM SEWER (OUT)

EX. 1200mm STORM SEWER

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-74R-3)	PEORIA	1360	662
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

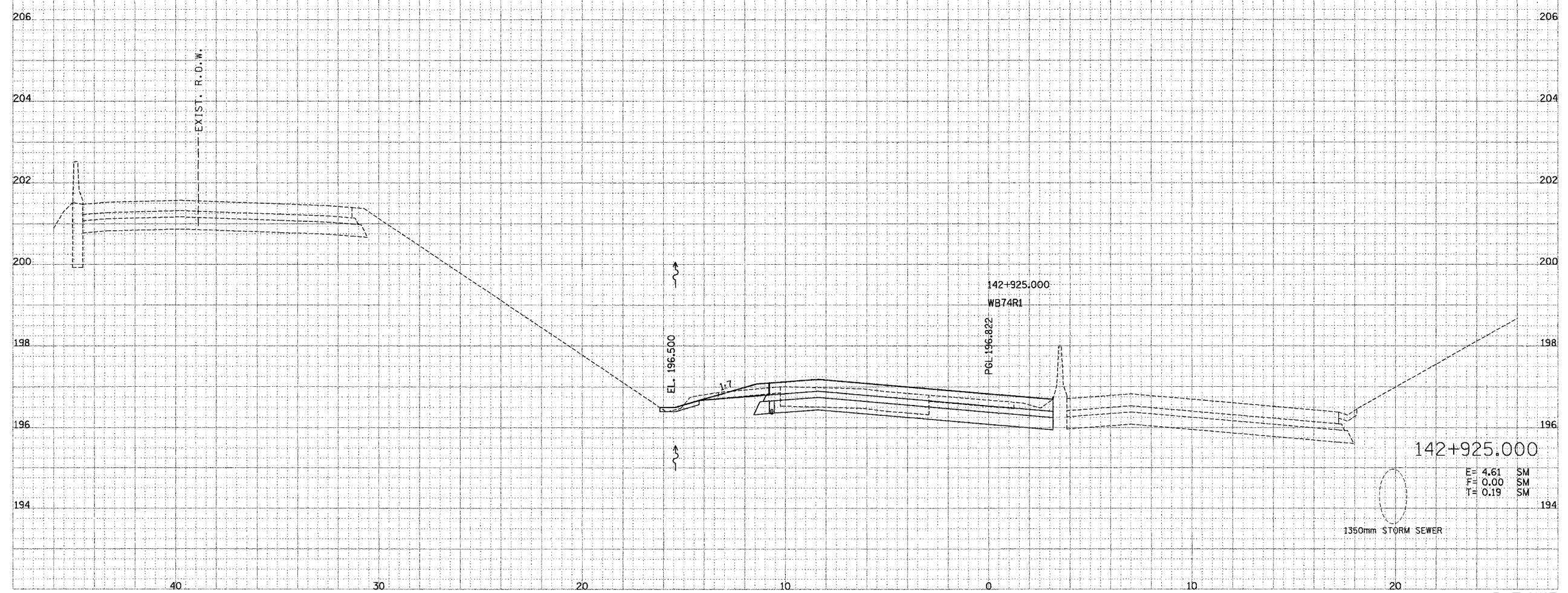
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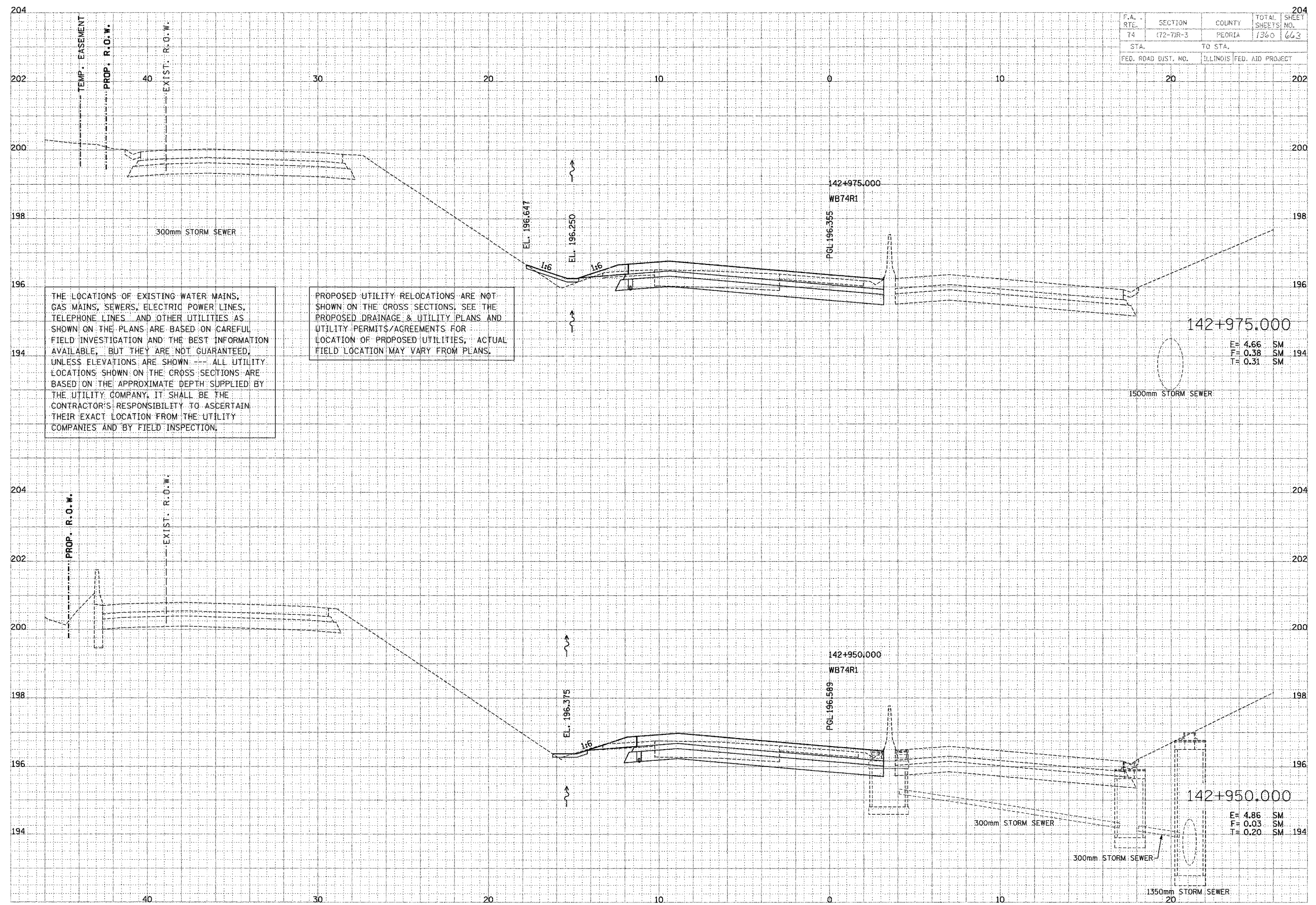
NO.	DATE

PARSONS
TRANSPORTATION GROUP
Engineers and Planners

NO.	DATE



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	PEORIA	1360	663
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



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E = 4.66 SM
F = 0.38 SM
T = 0.31 SM

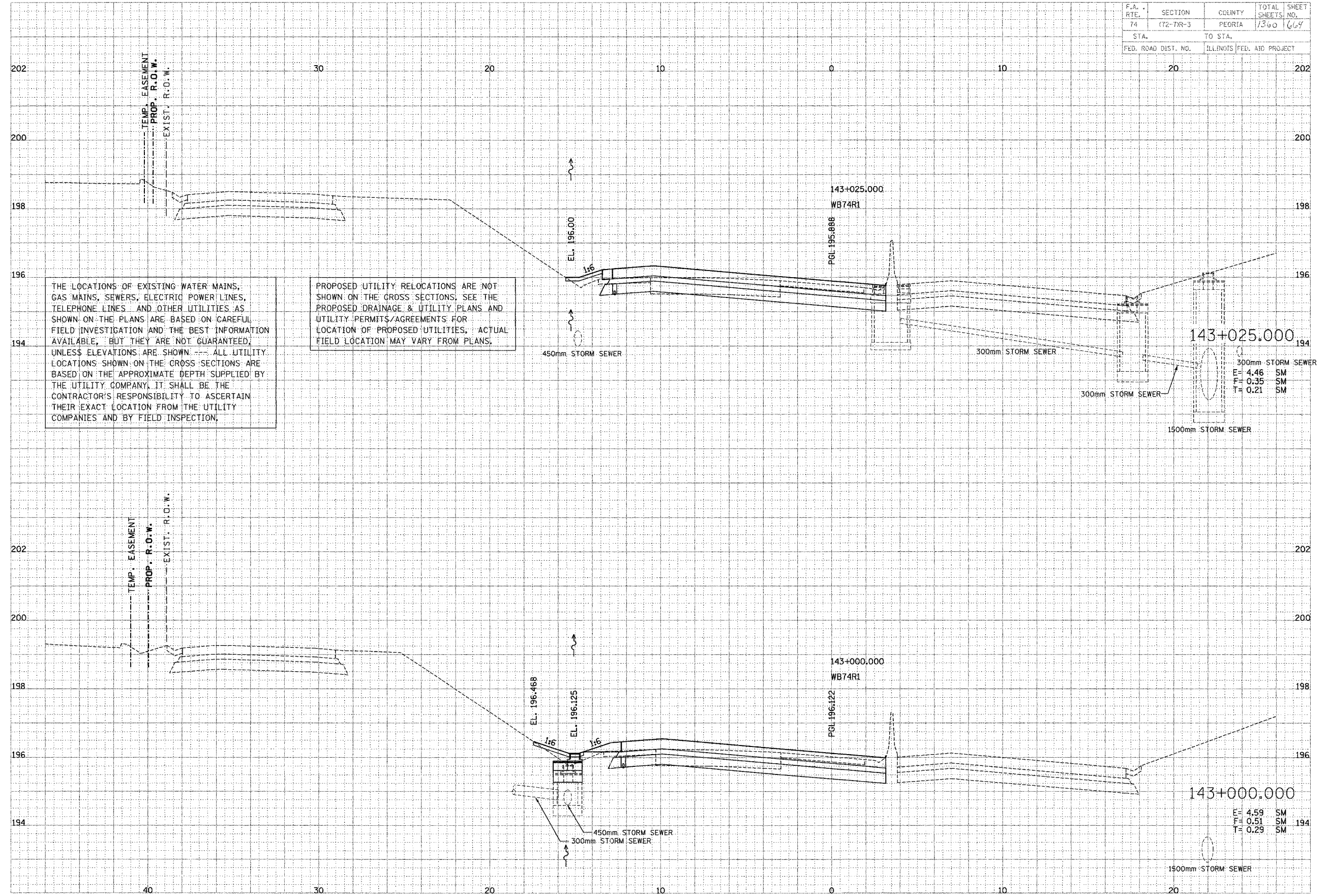
E = 4.86 SM
F = 0.03 SM
T = 0.20 SM

DATE	BY
DATE	BY
DATE	BY

PARSONS
TRANSPORTATION
Engineers and Planners

DATE	BY
DATE	BY
DATE	BY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7R-3)	PEORIA	1360	669
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



DATE	30
BY	
CHECKED	
DESIGNED	
PLANNED	
APPROVED	
PROJECT	
NO. OF SHEETS	
SHEET NO.	
DATE	

PERMISSIVE TRANSMITTANCE DIRECTOR
 Engineers and Planners

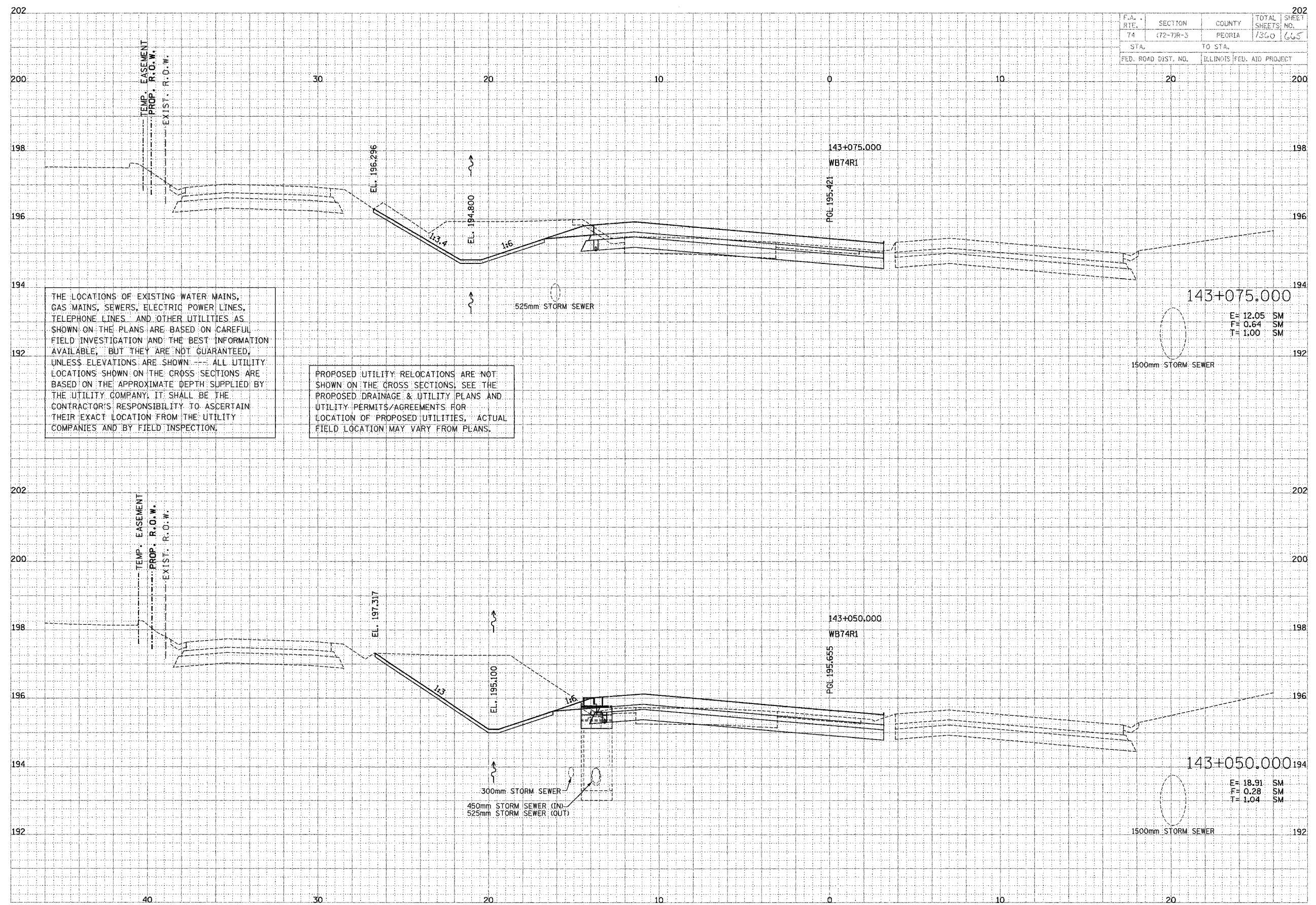
DATE	
BY	
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DESIGNED	
PLANNED	
APPROVED	
PROJECT	
NO. OF SHEETS	
SHEET NO.	
DATE	

F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	PEORIA	1360	665
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

DATE	BY	REVISION

PAISSONS TRANSPORTATION GROUP
Engineers and Planners

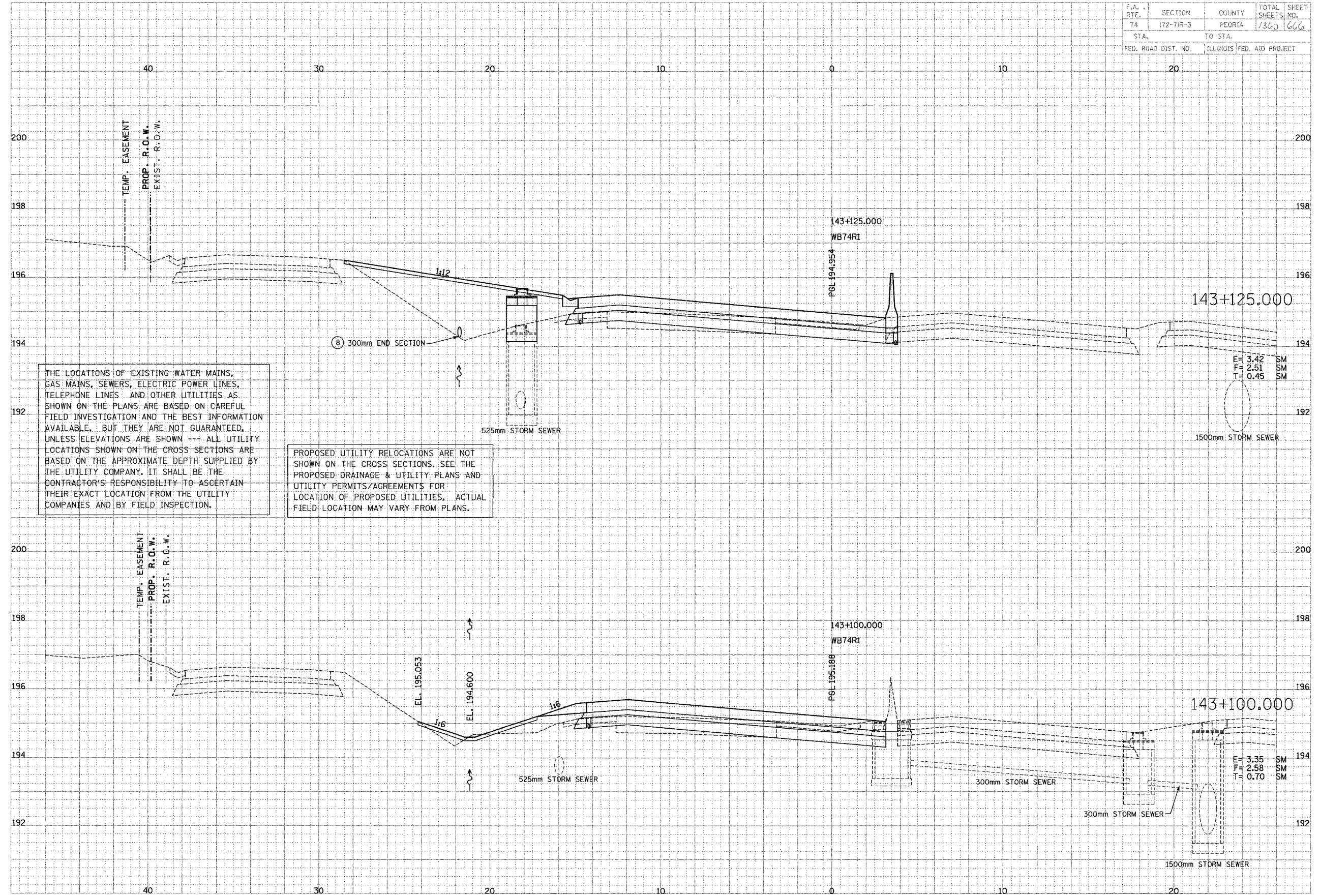
DATE	BY	REVISION



THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED, UNLESS ELEVATIONS ARE SHOWN. ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.

PROPOSED UTILITY RELOCATIONS ARE NOT SHOWN ON THE CROSS SECTIONS, SEE THE PROPOSED DRAINAGE & UTILITY PLANS AND UTILITY PERMITS/AGREEMENTS FOR LOCATION OF PROPOSED UTILITIES, ACTUAL FIELD LOCATION MAY VARY FROM PLANS.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	PEORIA	1360	666
STA.	TO STA.			
	ILLINOIS FED. AID PROJECT			



THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED, UNLESS ELEVATIONS ARE SHOWN --- ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.

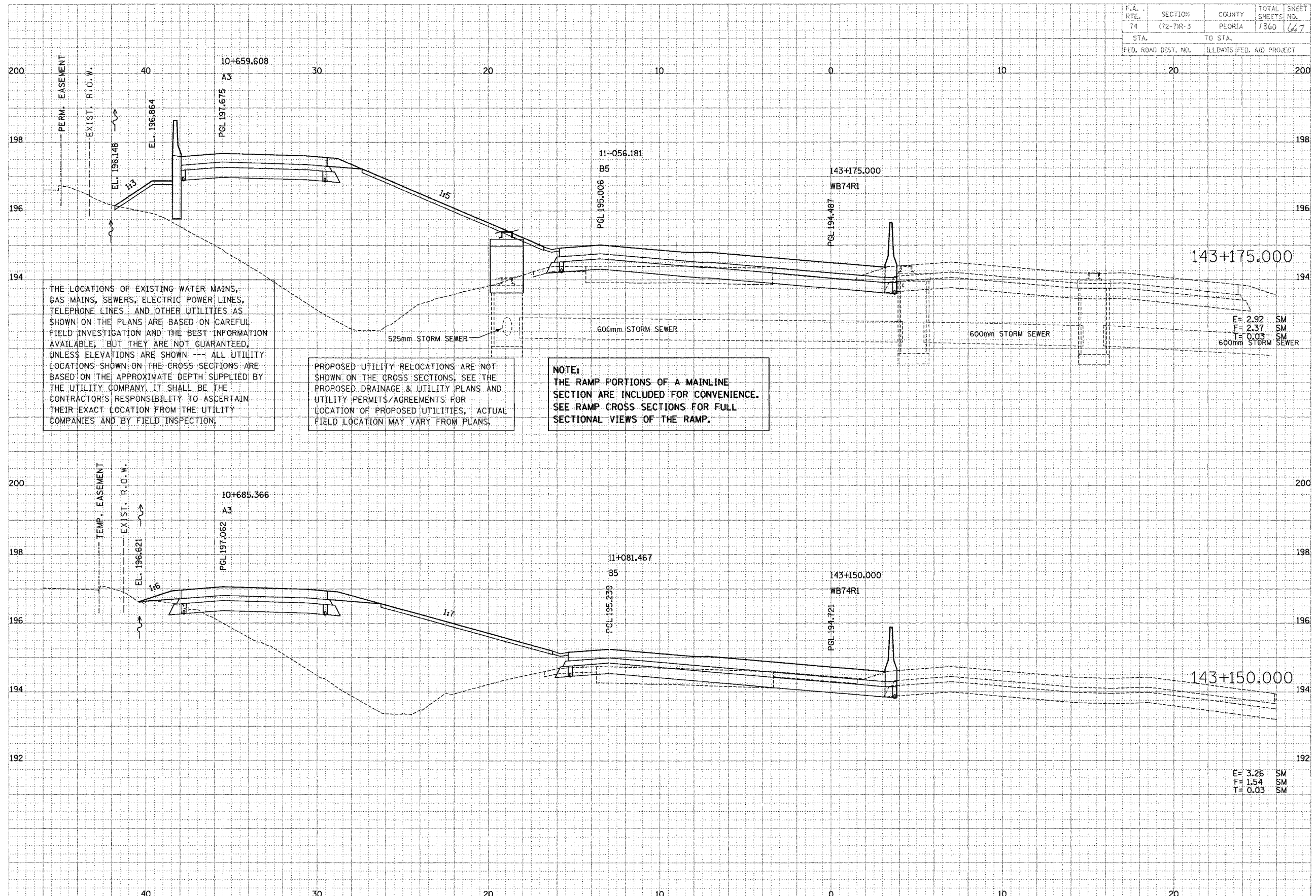
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DATE	BY

BAIRDSONS
 TRANSPORTATION GROUP
 Engineers and Planners

DATE	BY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71R-3	PEORIA	1360	667
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED, UNLESS ELEVATIONS ARE SHOWN --- ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.

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NOTE: THE RAMP PORTIONS OF A MAINLINE SECTION ARE INCLUDED FOR CONVENIENCE. SEE RAMP CROSS SECTIONS FOR FULL SECTIONAL VIEWS OF THE RAMP.

DATE	BY
DATE	BY
DATE	BY

PARSONS TRANSCORPORATION GROUP
Engineers and Planners

DATE	BY
DATE	BY
DATE	BY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	PEORIA	1360	669
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED, UNLESS ELEVATIONS ARE SHOWN. ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.

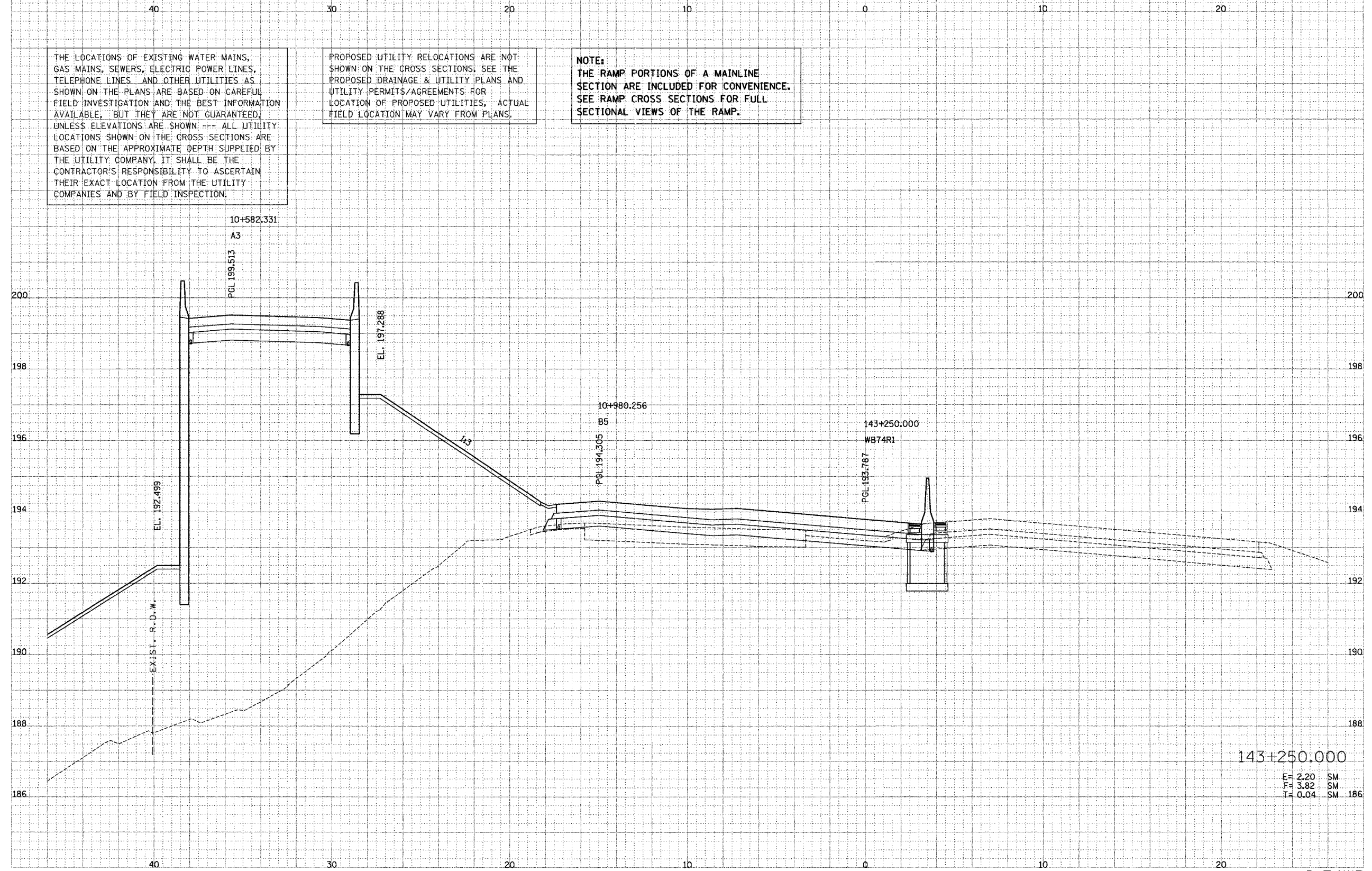
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NOTE:
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DATE	BY	REVISION

PARSONS
TRANSPORTATION GROUP
Engineers and Planners

DATE	BY	REVISION



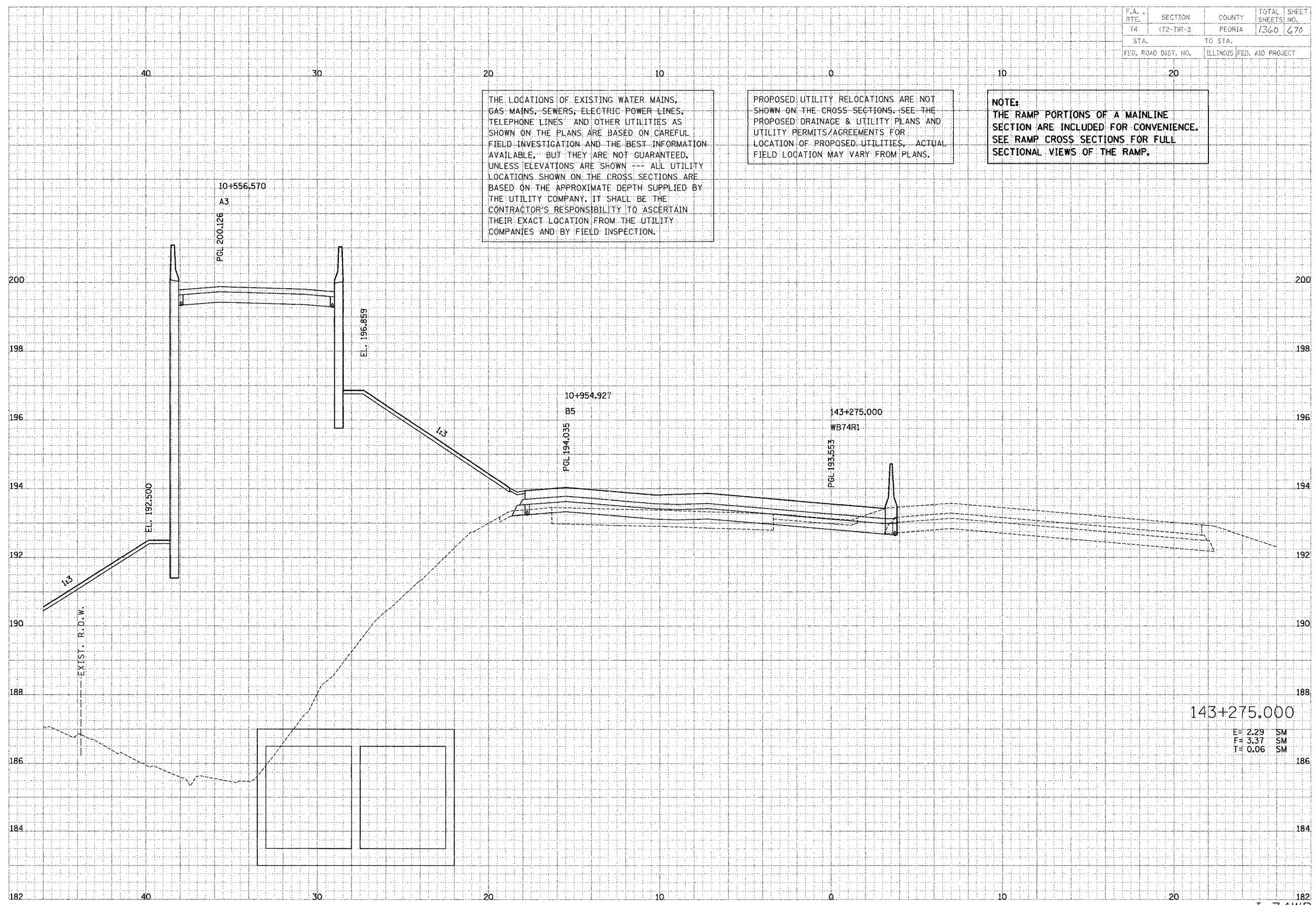
143+250.000
E= 2.20 SM
F= 3.82 SM
T= 0.04 SM 186

P.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	172-71R-3	PEORIA	1360	670
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	BY
DATE	BY
DATE	BY

PREPARED BY
 TRANSPORTATION OFFICER
 ENGINEERS AND PLANNERS

DATE	BY
DATE	BY
DATE	BY



THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED, UNLESS ELEVATIONS ARE SHOWN --- ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.

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NOTE:
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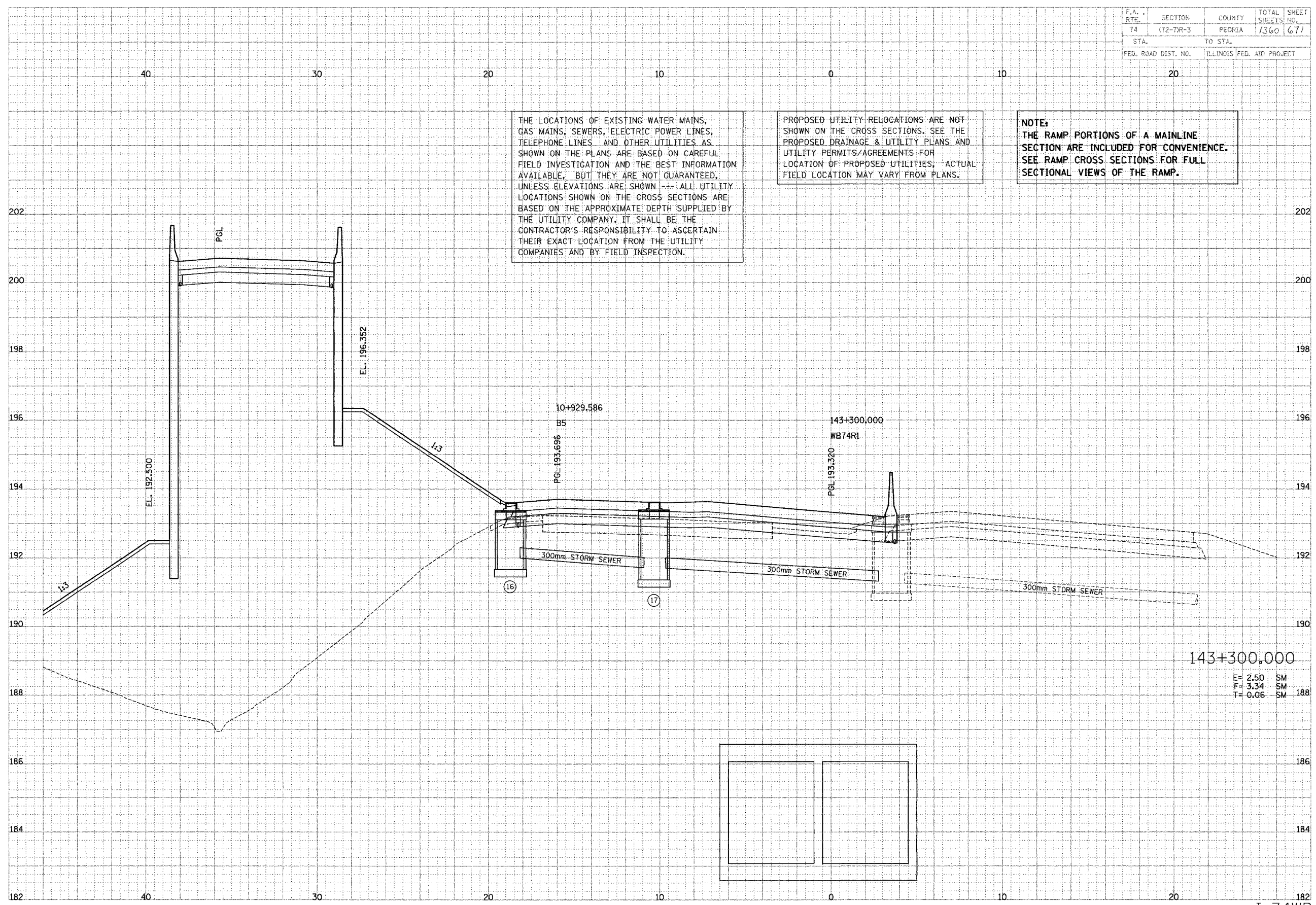
143+275.000
 E= 2.29 SM
 F= 3.37 SM
 T= 0.06 SM

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	172-77R-3	PEORIA	1360	671
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	DATE
SUPPLIED	BY
NOTE BOOK	
AREAS	
REVISIONS	

PARSONS TRANSPORTATION GROUP
Engineers and Planners

ORIGINAL SURVEY	DATE
SUPPLIED	BY
NOTE BOOK	
AREAS	
REVISIONS	

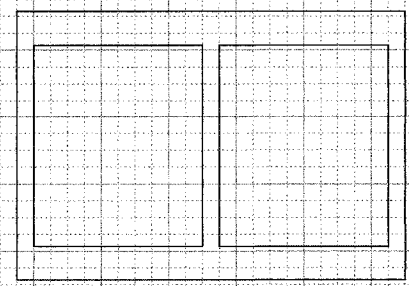


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NOTE:
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143+300.000
E= 2.50 SM
F= 3.34 SM
T= 0.06 SM

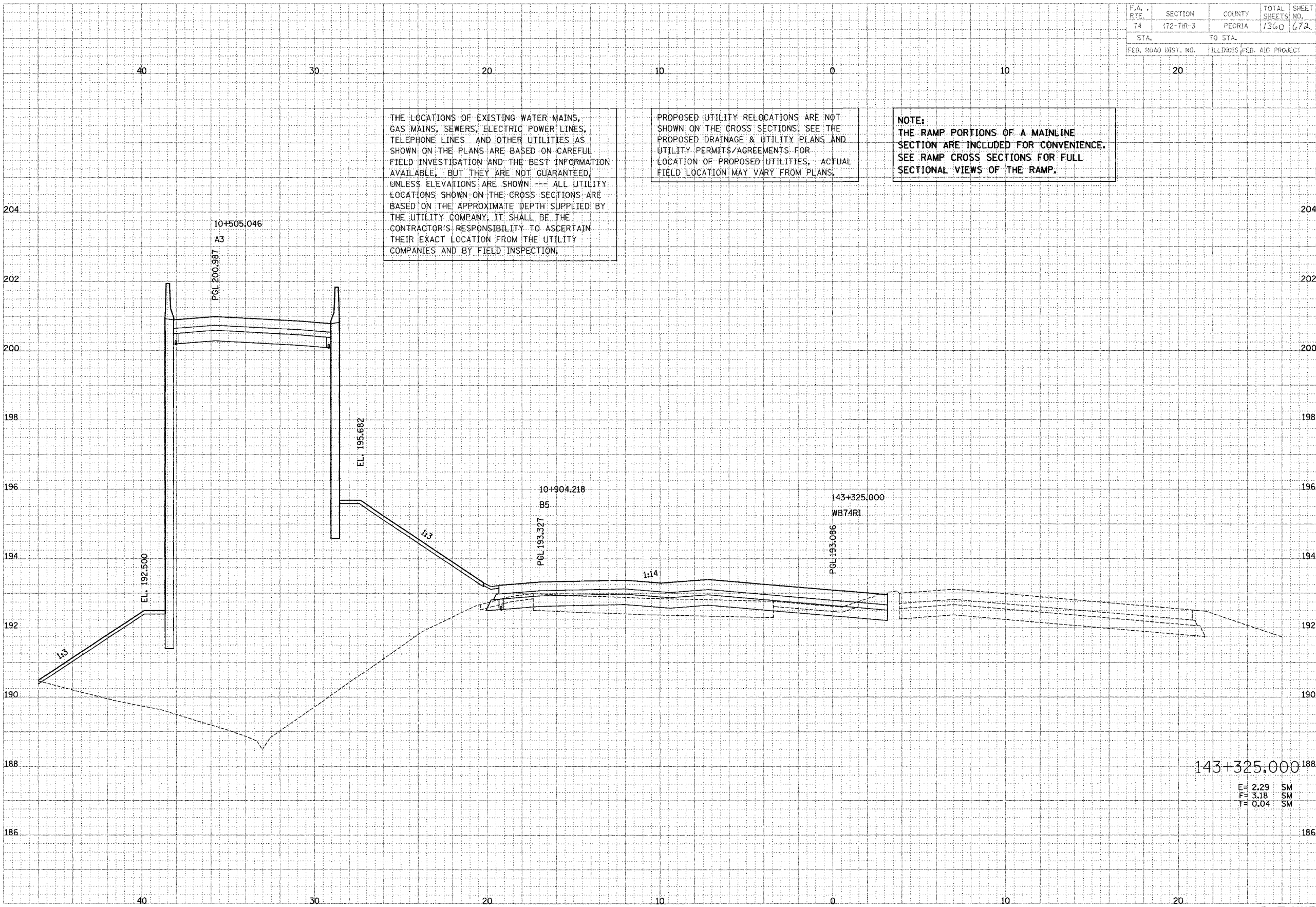


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7R-3)	PEORIA	1360	672
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS		FED. AID PROJECT	

DATE	BY	REVISION


 ENGINEERS AND PLANNERS
 PROFESSIONAL ENGINEERS
 STATE OF ILLINOIS

DATE	BY	REVISION



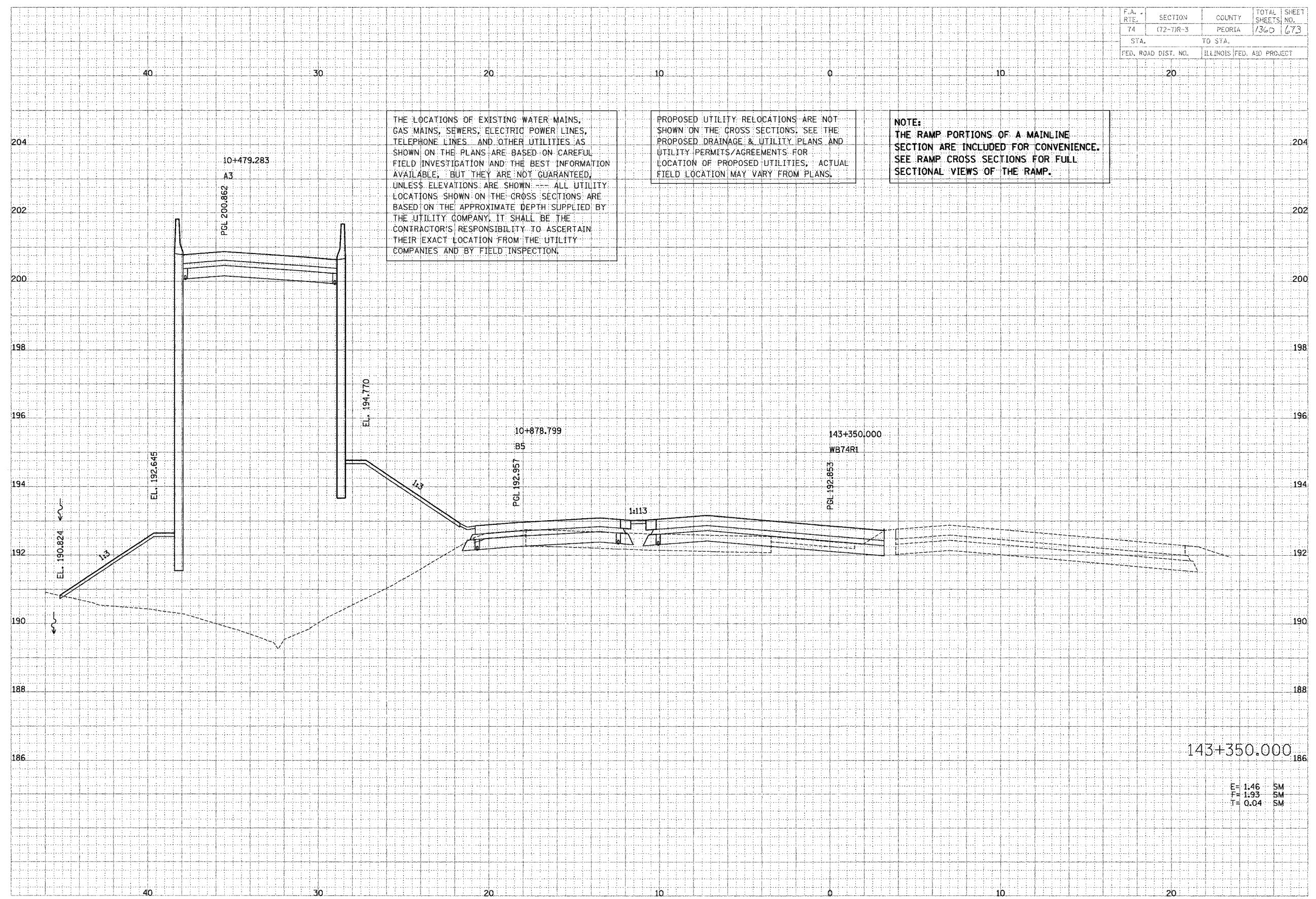
143+325.000
 E= 2.29 SM
 F= 3.18 SM
 T= 0.04 SM

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	PEORIA	1360	673
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE: _____
 BY: _____
 SURVEYED: _____
 CHECKED: _____
 PLotted: _____
 NOTE BOOK: _____
 AREAS: _____
 REVISIONS: _____

CONSULTANTS
TRANSPORTATION DESIGN
 Engineers and Planners

DATE: _____
 BY: _____
 SURVEYED: _____
 CHECKED: _____
 PLotted: _____
 NOTE BOOK: _____
 AREAS: _____
 REVISIONS: _____



THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED, UNLESS ELEVATIONS ARE SHOWN. ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.

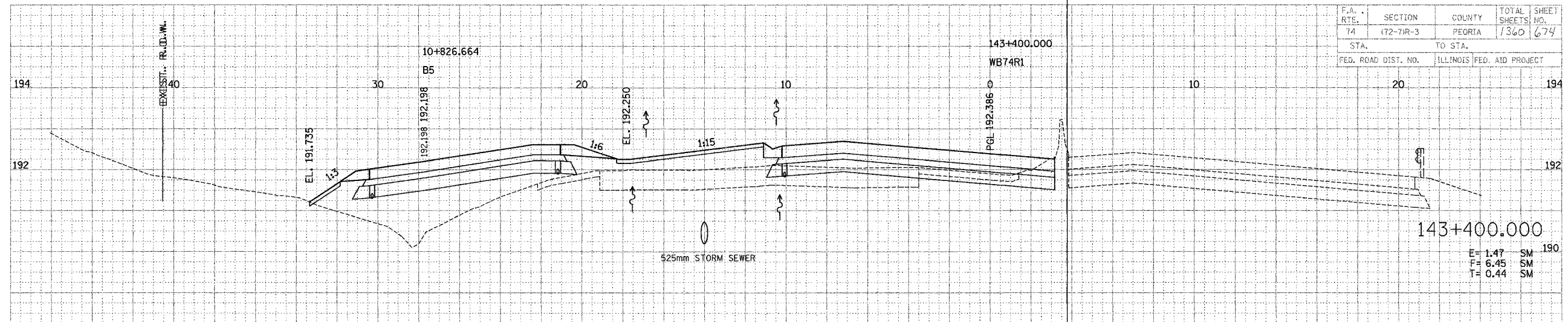
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NOTE:
 THE RAMP PORTIONS OF A MAINLINE SECTION ARE INCLUDED FOR CONVENIENCE. SEE RAMP CROSS SECTIONS FOR FULL SECTIONAL VIEWS OF THE RAMP.

143+350.000

E= 1.46 SM
 F= 1.93 SM
 T= 0.04 SM

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	172-71R-3	PEORIA	1360	674
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

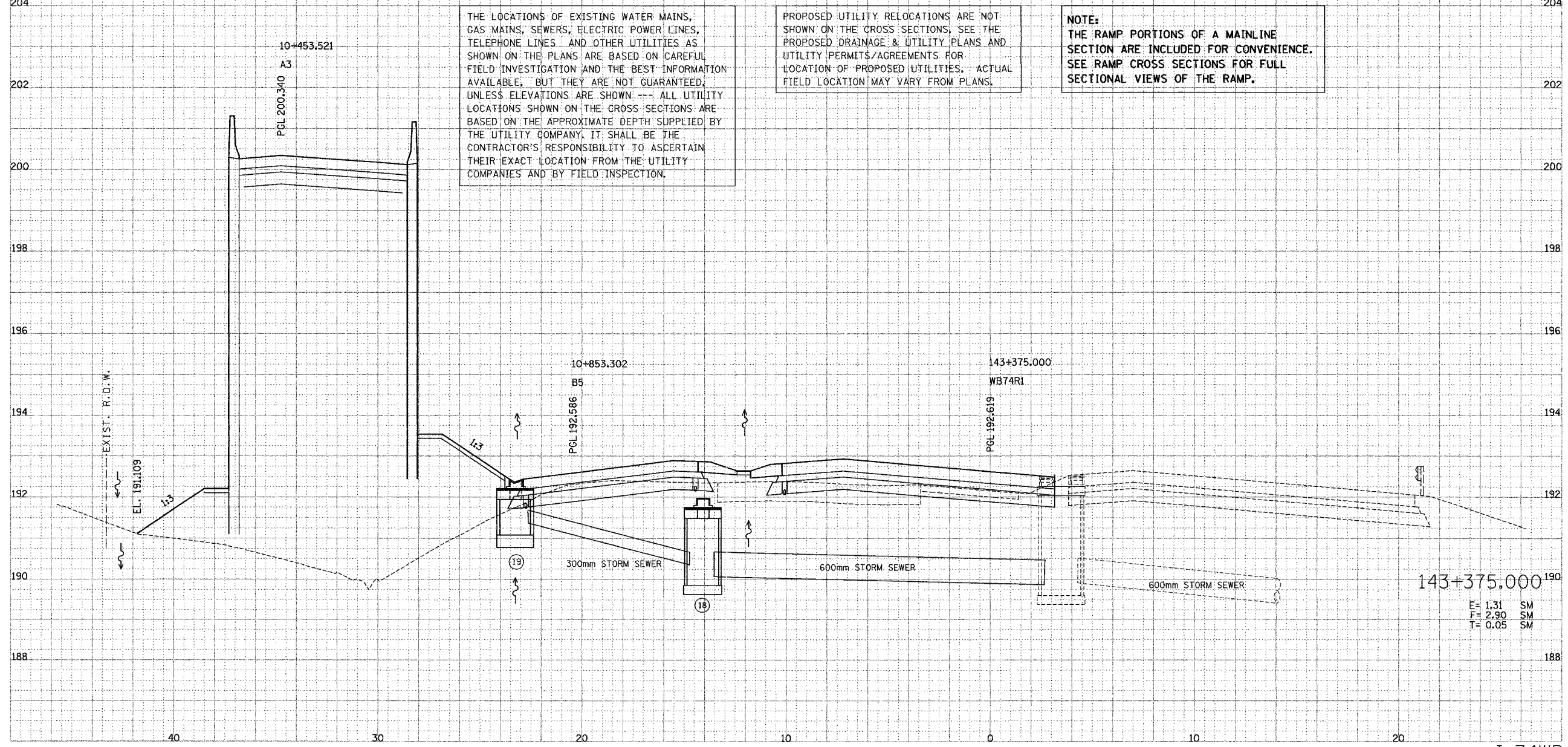


E = 1.47 SM
 F = 6.45 SM
 T = 0.44 SM

FINAL	DATE
REVISED	BY
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DATE	
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DATE	

BRIDMAN SURVEYING & ENGINEERING
 ENGINEERS and PLANNERS

BRIDMAN	DATE
SURVEY	BY
NOTE BOOK	
DATE	
BY	
DATE	



E = 1.31 SM
 F = 2.90 SM
 T = 0.05 SM

THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED, UNLESS ELEVATIONS ARE SHOWN. --- ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.

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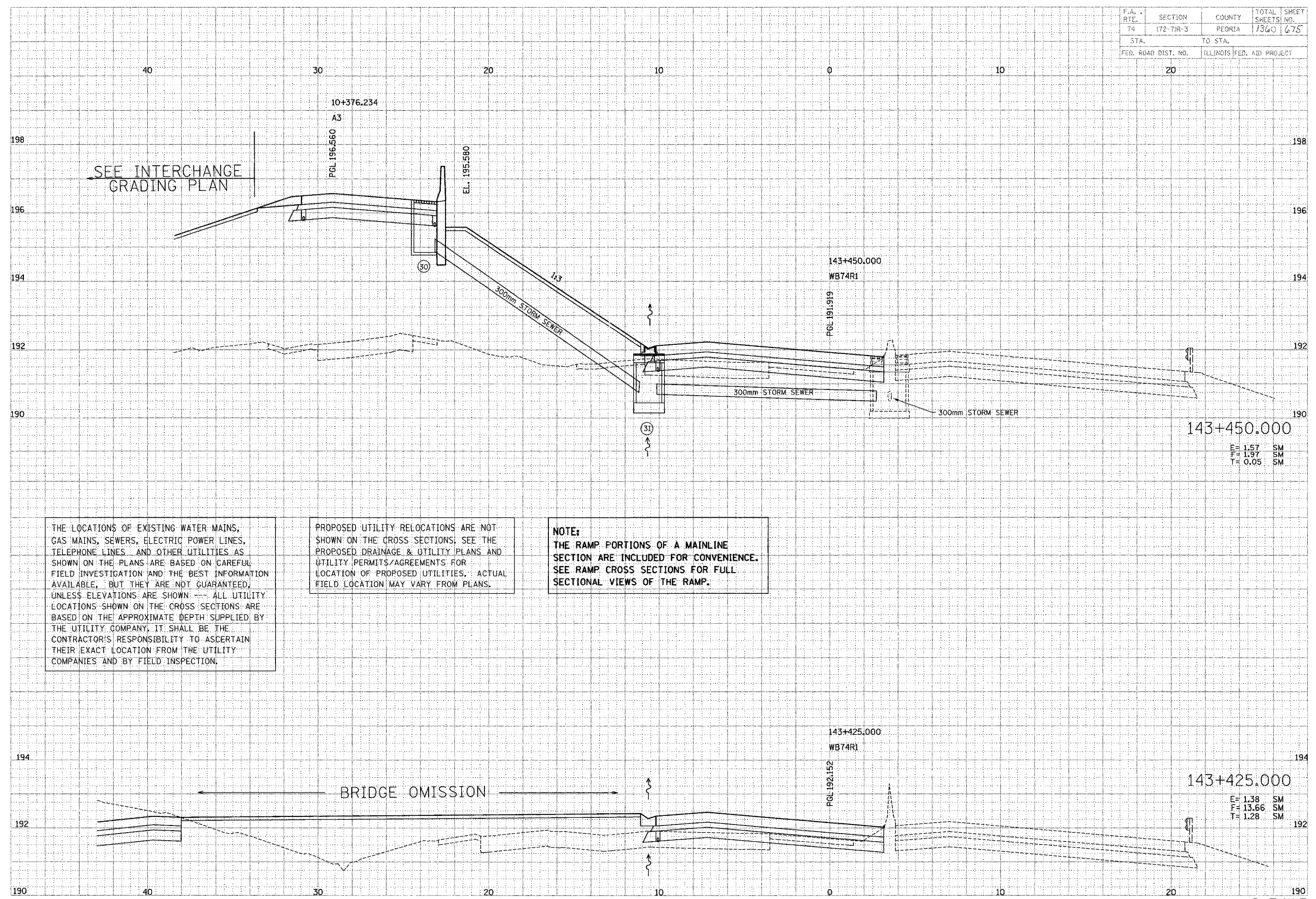
NOTE:
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	PEORIA	1360	675
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	BY	REVISION

TRANSPORTATION ENGINEERS AND PLANNERS
 ENGINEERS AND PLANNERS

DATE	BY	REVISION



THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED, UNLESS ELEVATIONS ARE SHOWN. ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.

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NOTE:
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E = 1.57 SM
 F = 1.97 SM
 T = 0.05 SM

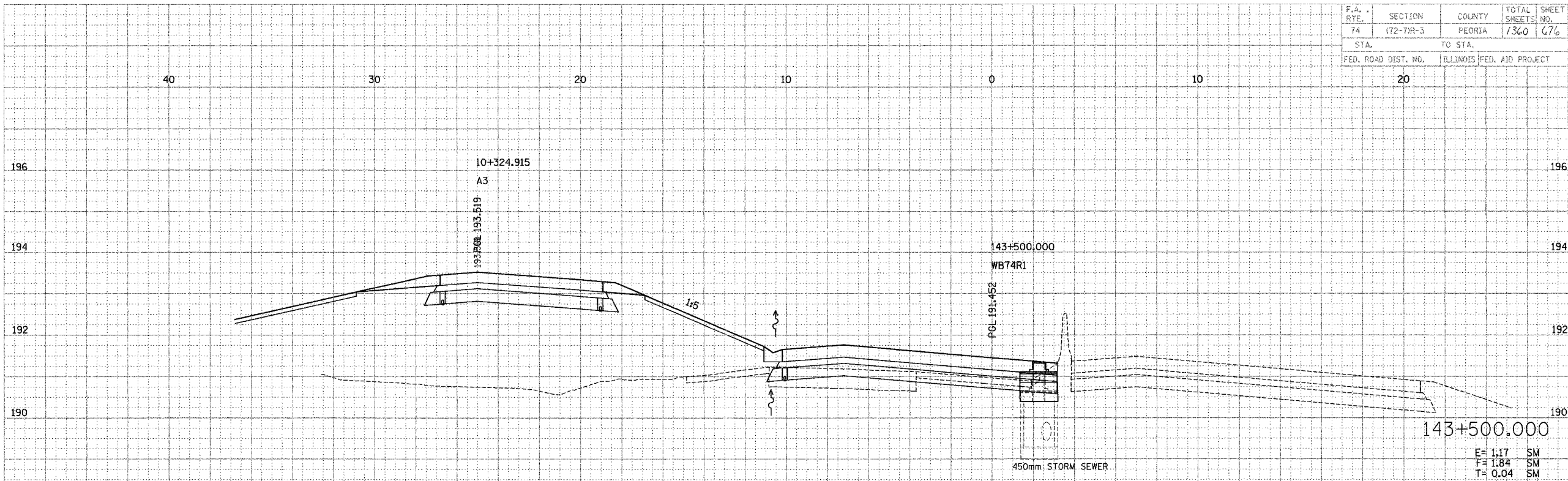
E = 1.38 SM
 F = 13.66 SM
 T = 1.28 SM

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	FLORIDA	1360	676
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DATE	BY	DATE


PARSONS
 TRANSPORTATION GROUP
 Engineers and Planners

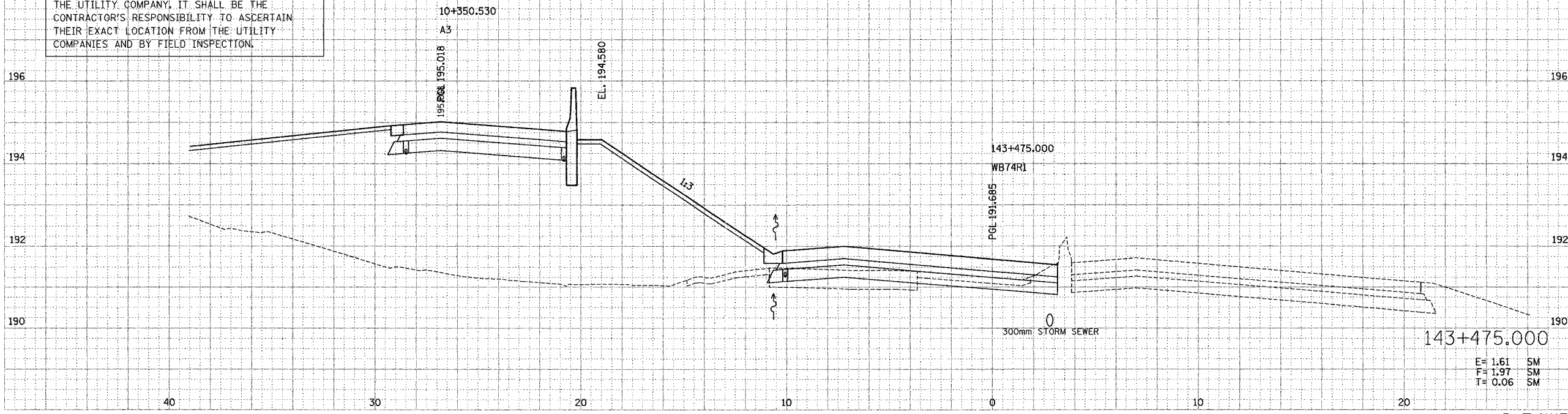
DATE	BY	DATE



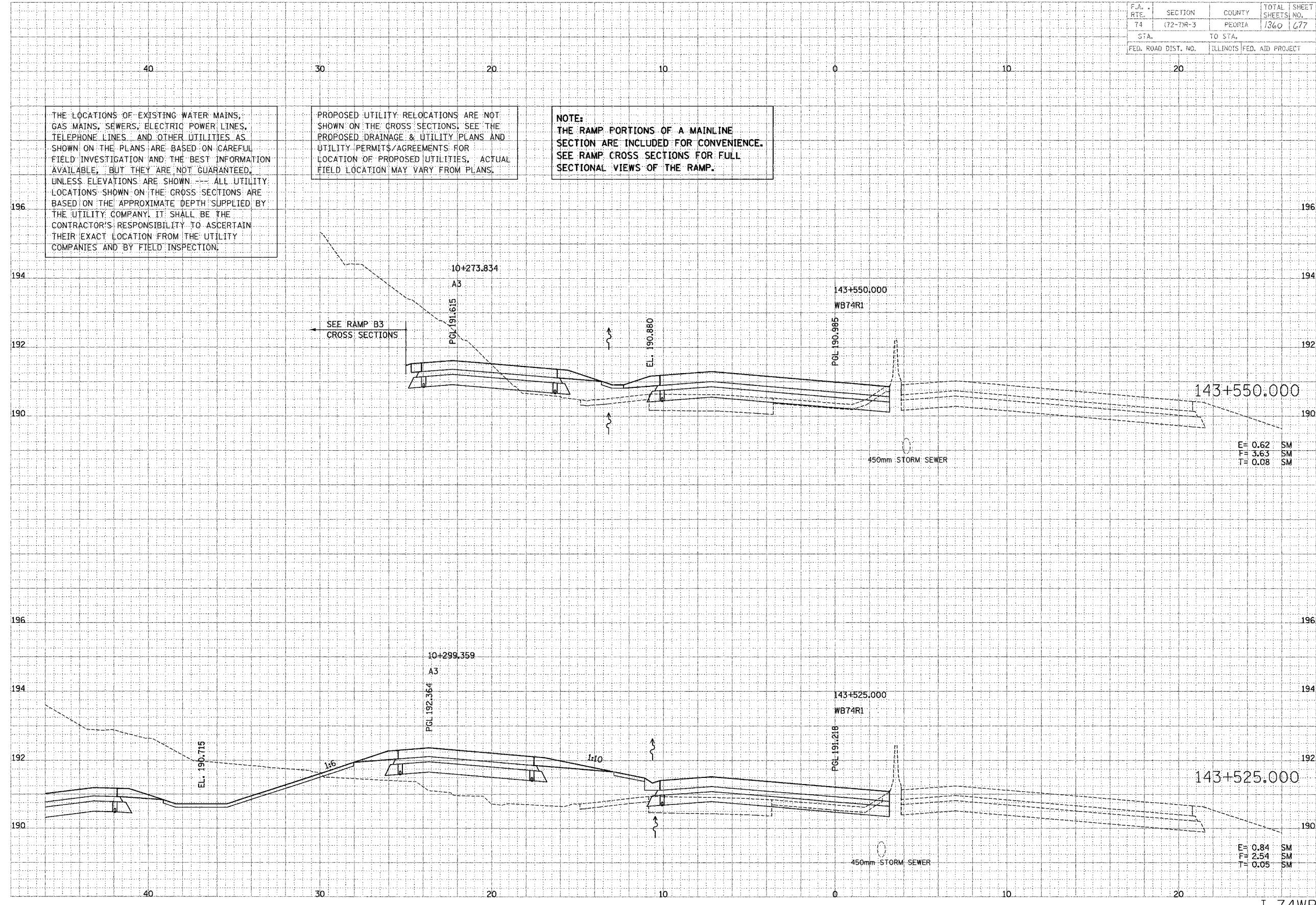
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	PEORIA	1360	677
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



DATE	
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PARSONS TRANSPORTATION GROUP
Engineers and Planners

DATE	
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	PEORIA	1360	678
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED, UNLESS ELEVATIONS ARE SHOWN --- ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.

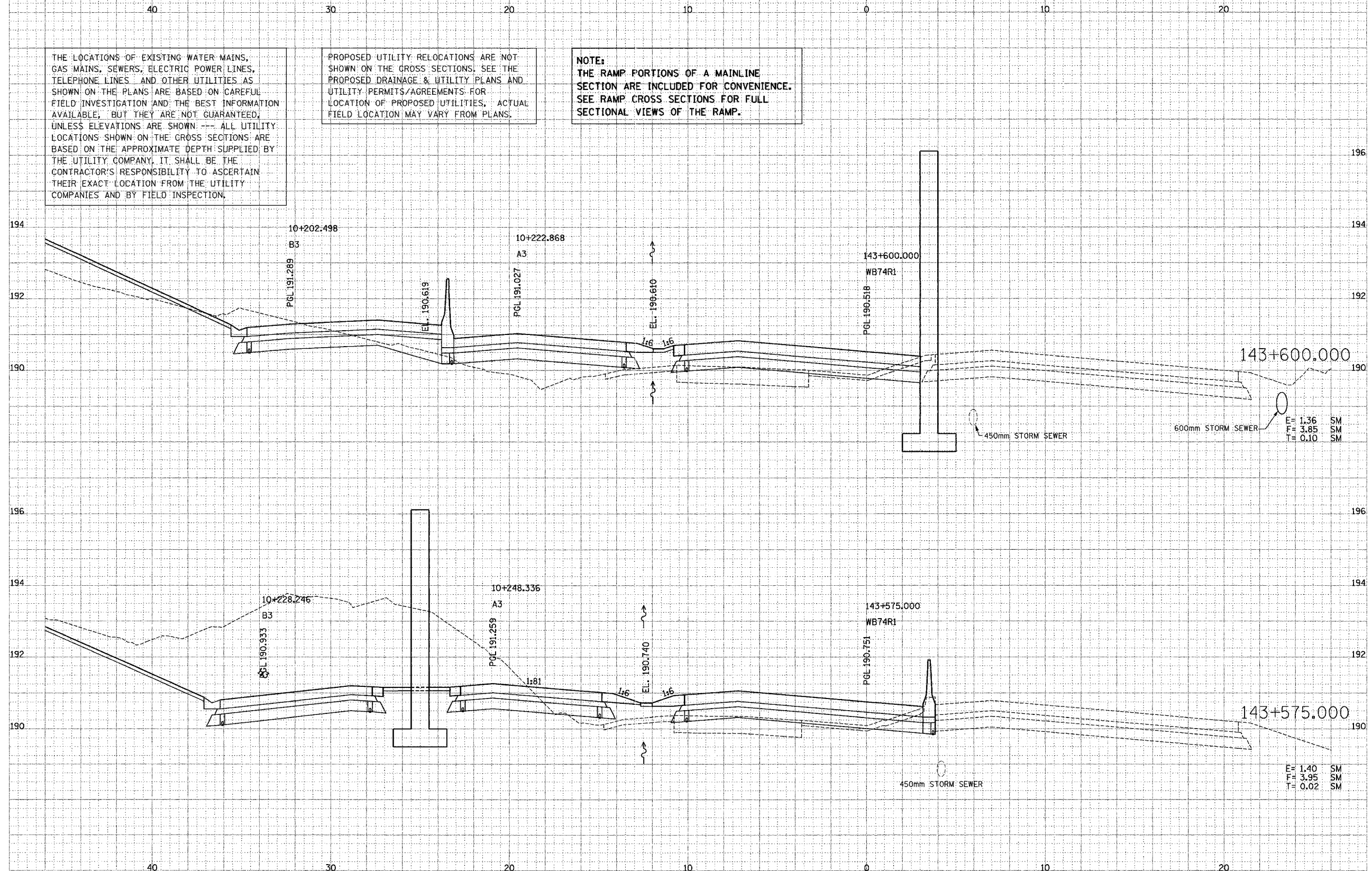
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NOTE:
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DATE	BY
DATE	BY
DATE	BY

PAUSCHER TRANSPORTATION DESIGN
Engineers and Planners

DATE	BY
DATE	BY
DATE	BY



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	172-71R-3	PEORIA	1360	679
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED, UNLESS ELEVATIONS ARE SHOWN. --- ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.

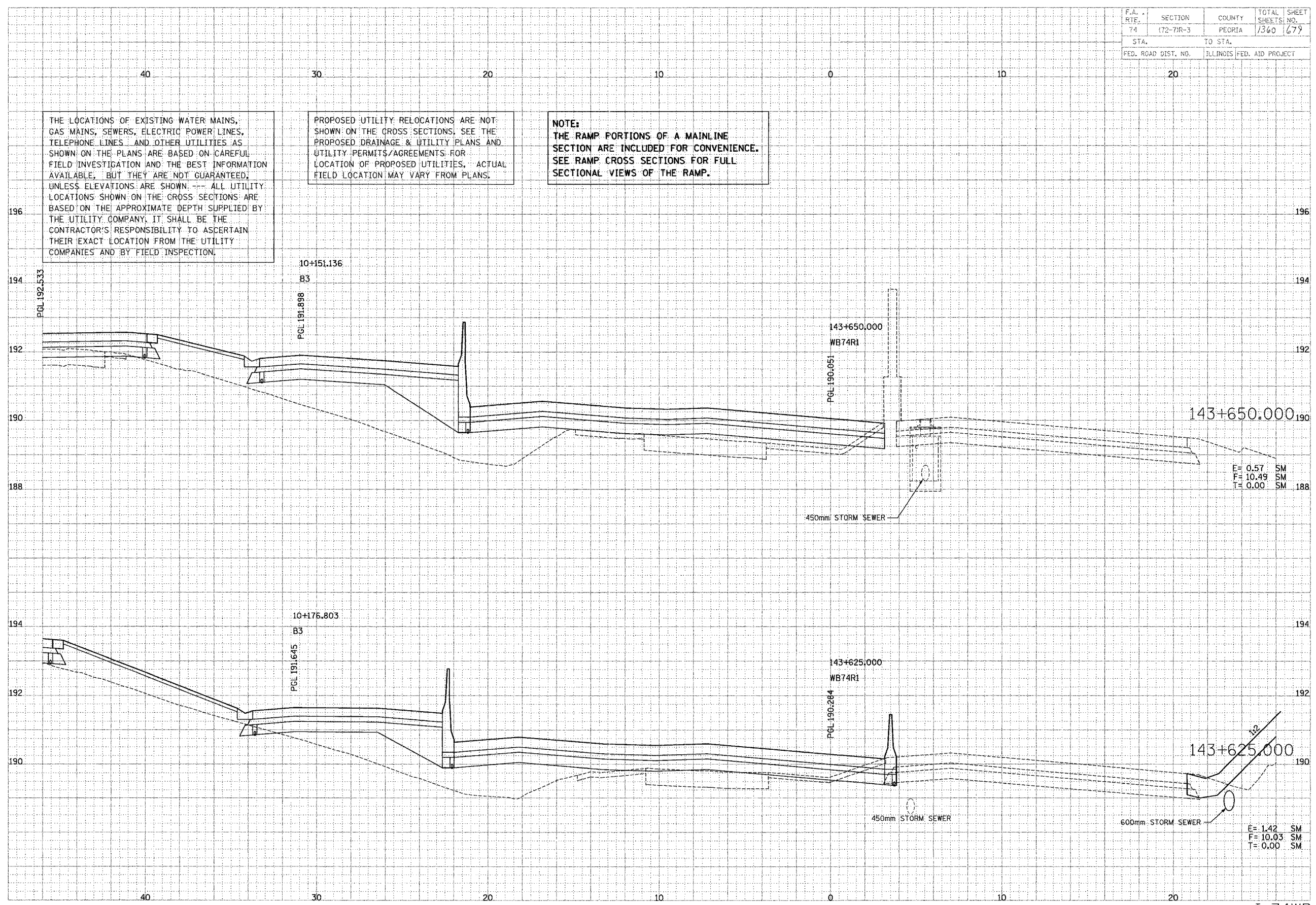
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DATE	BY
DATE	BY
DATE	BY

PARSONS TRANSPORTATION GROUP
Engineers and Planners

DATE	BY
DATE	BY
DATE	BY



E = 0.57 SM
F = 10.49 SM
T = 0.00 SM

E = 1.42 SM
F = 10.03 SM
T = 0.00 SM

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	172-DR-3	PEORIA	1360	680
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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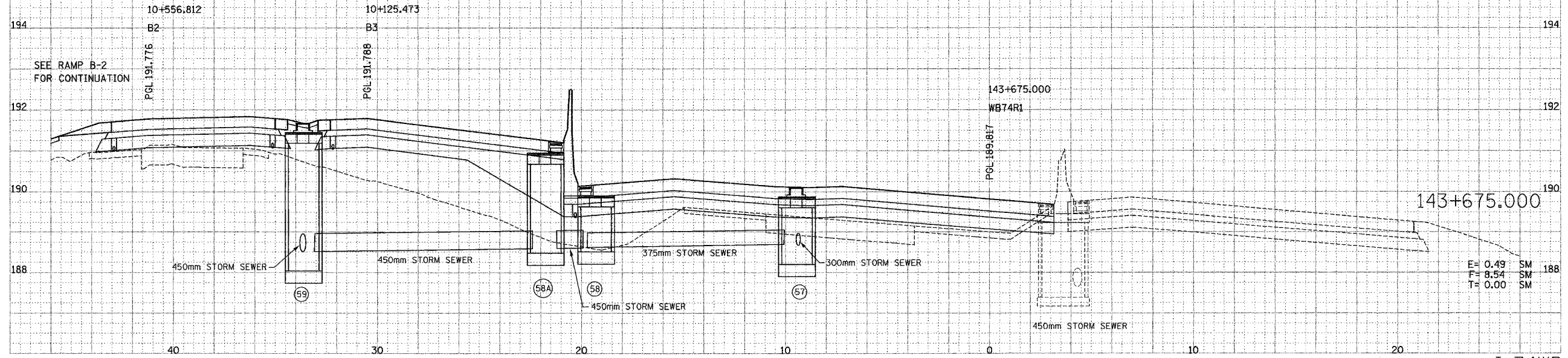
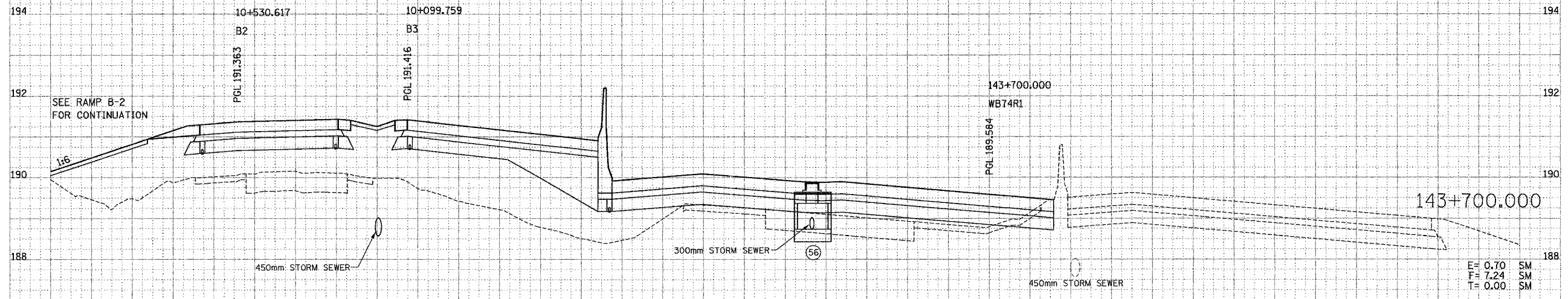
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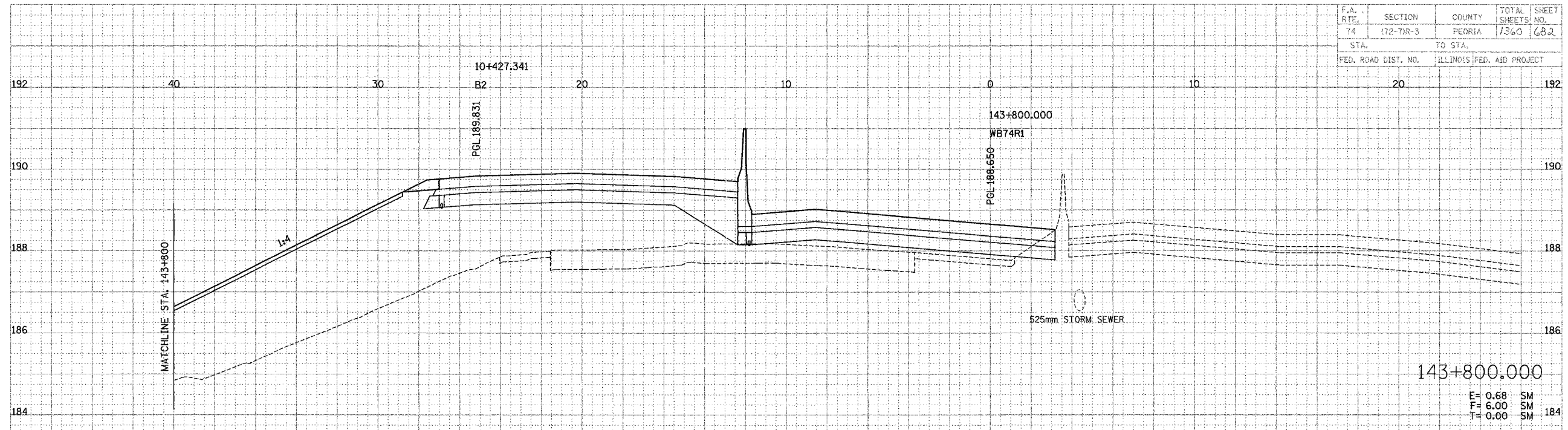
DATE	BY
DATE	BY
DATE	BY
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DATE	BY

PARSONS
TRANSPORTATION GROUP
Engineers and Planners

DATE	BY
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DATE	BY
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DATE	BY



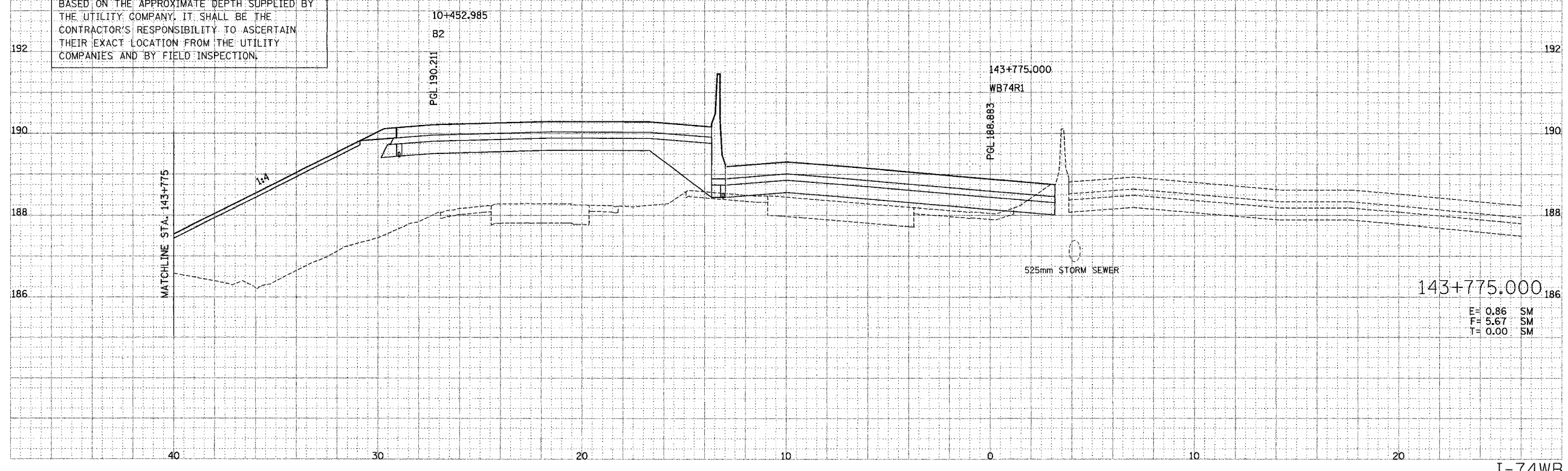
F.A. RATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	172-71R-3	PEORIA	1360	682
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



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DATE	BY
DATE	BY
DATE	BY
DATE	BY
DATE	BY

PAUL HENNING
TRANSPORTATION DIVISION
Engineers and Planners

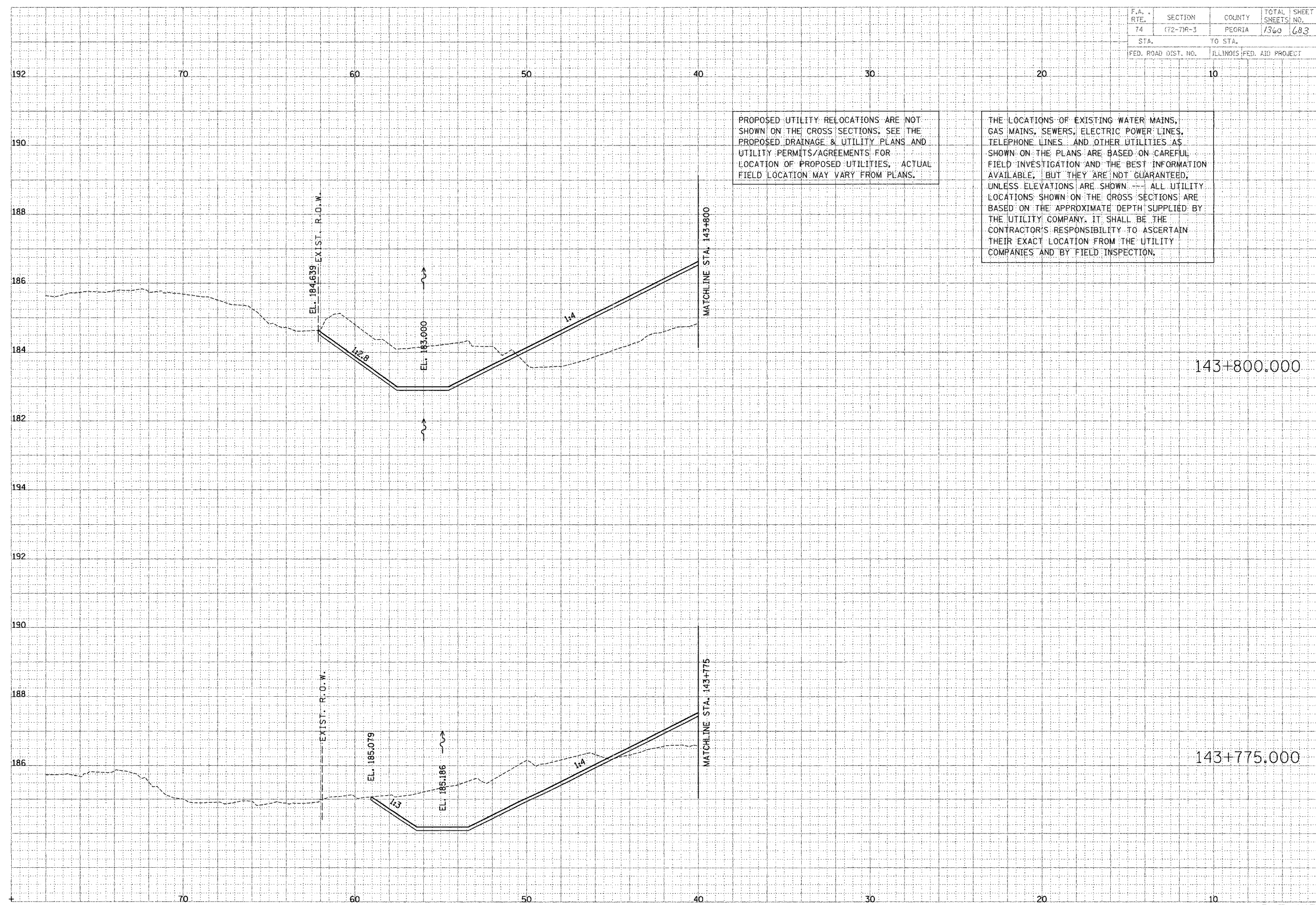
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	PEORIA	1360	683
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	BY	DATE

PARSONS TRANSPORTATION SERVICES
Engineers and Planners

DATE	BY	DATE



PROPOSED UTILITY RELOCATIONS ARE NOT SHOWN ON THE CROSS SECTIONS. SEE THE PROPOSED DRAINAGE & UTILITY PLANS AND UTILITY PERMITS/AGREEMENTS FOR LOCATION OF PROPOSED UTILITIES. ACTUAL FIELD LOCATION MAY VARY FROM PLANS.

THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED, UNLESS ELEVATIONS ARE SHOWN. ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.

143+800.000

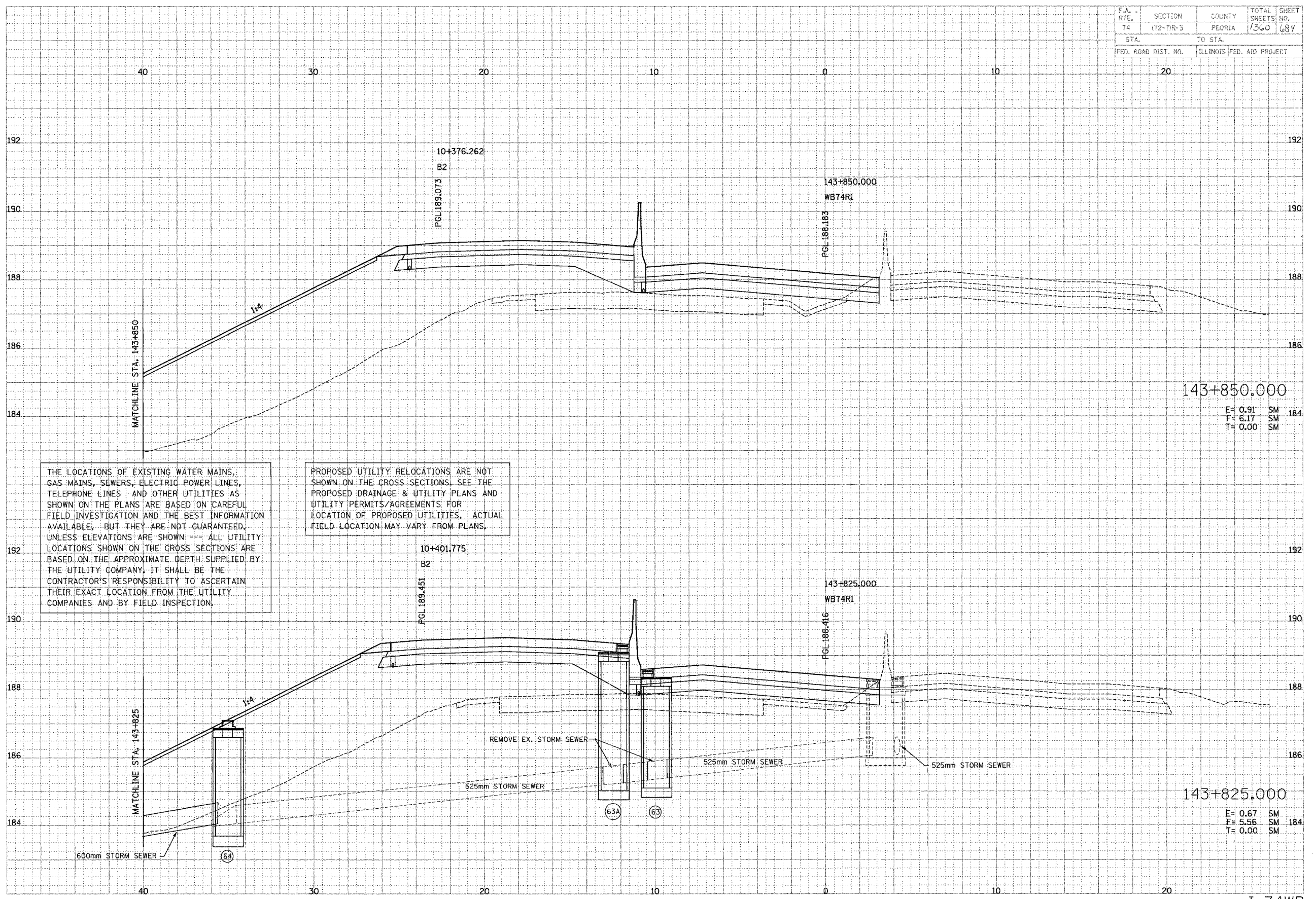
143+775.000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	172-17R-3	PEORIA	1340	637
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DESIGNED BY	DATE
CHECKED BY	
APPROVED BY	
NO. REVISIONS	
REVISIONS	
DATE	

PARSONS
TRANSPORTATION GROUP
Engineers and Planners

DESIGNED BY	DATE
CHECKED BY	
APPROVED BY	
NO. REVISIONS	
REVISIONS	
DATE	



THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED, UNLESS ELEVATIONS ARE SHOWN --- ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY; IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.

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143+850.00
E= 0.91 SM
F= 6.17 SM
T= 0.00 SM

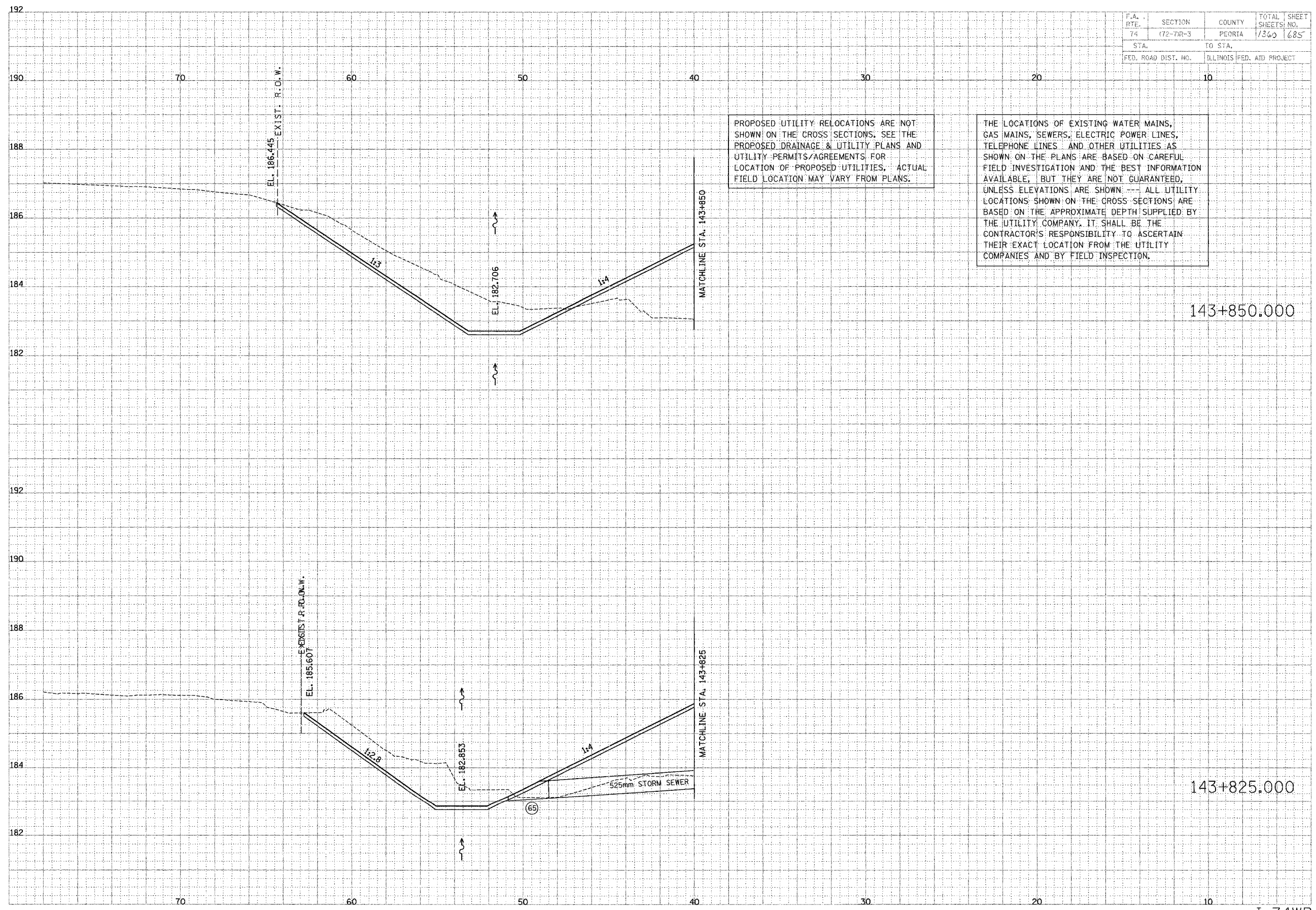
143+825.00
E= 0.67 SM
F= 5.56 SM
T= 0.00 SM

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	172-74R-3	PEORIA	1360	685
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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DATE	BY
DATE	BY

PARSONS TRANSPORTATION DESIGN
 Engineers and Planners

DATE	BY
DATE	BY
DATE	BY



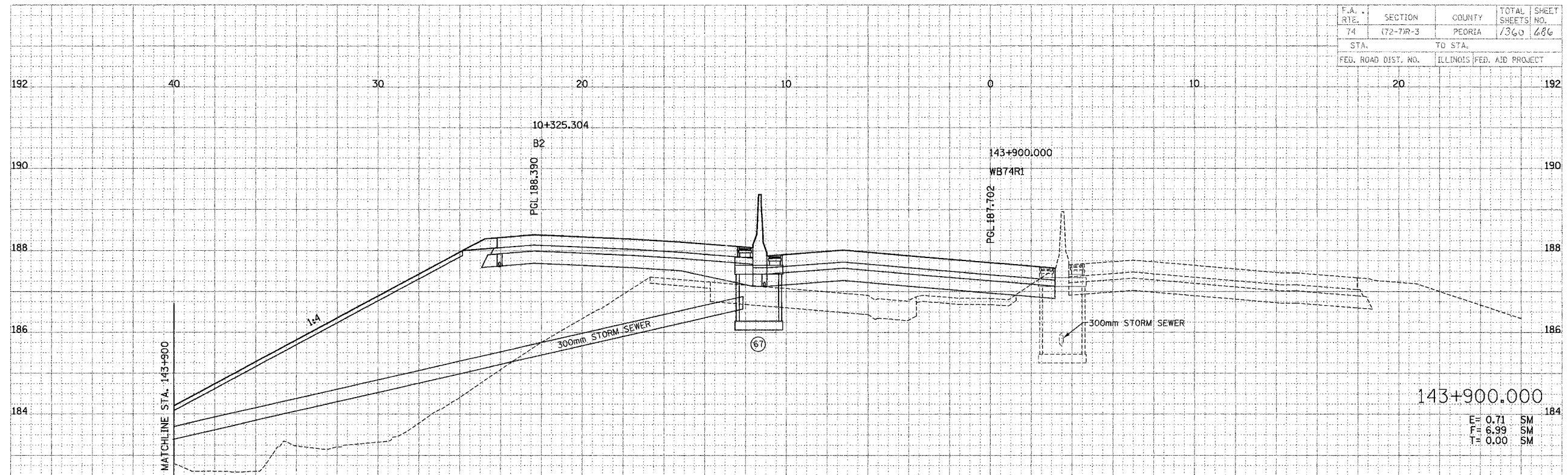
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143+850.000

143+825.000

F.A. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	172-71R-3	PEORIA	1360	486
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

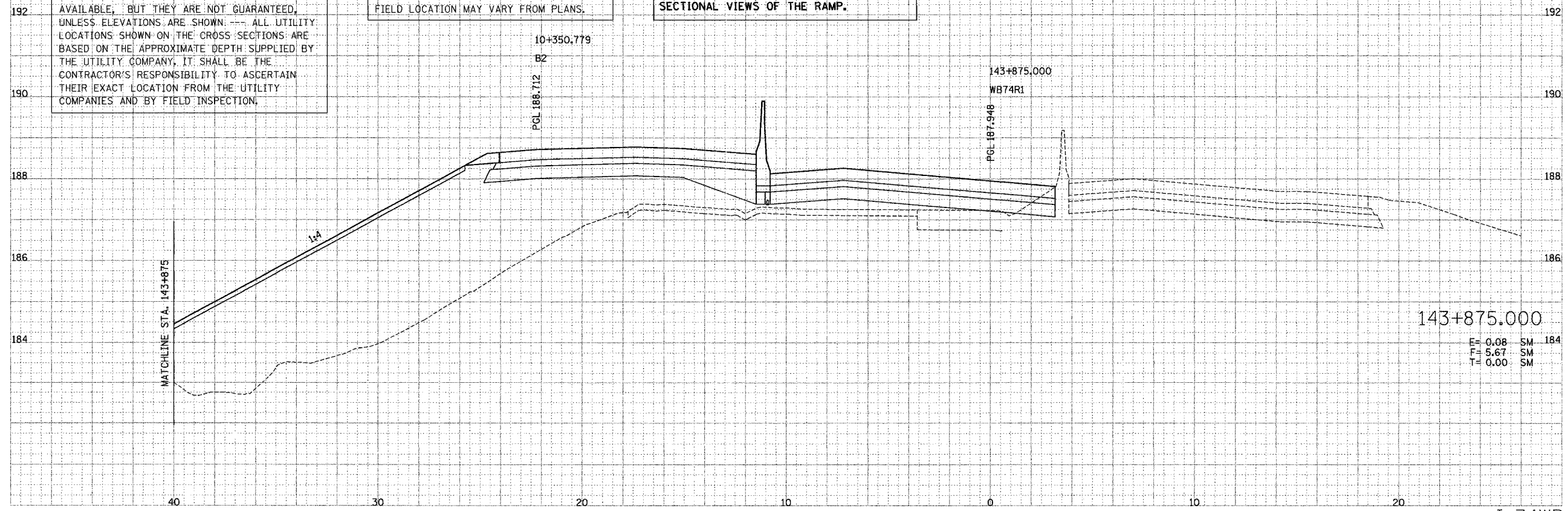


143+900.000
 E= 0.71 SM
 F= 6.39 SM
 T= 0.00 SM

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NOTE:
 THE RAMP PORTIONS OF A MAINLINE SECTION ARE INCLUDED FOR CONVENIENCE. SEE RAMP CROSS SECTIONS FOR FULL SECTIONAL VIEWS OF THE RAMP.



143+875.000
 E= 0.08 SM
 F= 5.67 SM
 T= 0.00 SM


DATE	BY
DATE	BY

PARSONS
 TRANSPORTATION GROUP
 Engineers and Planners

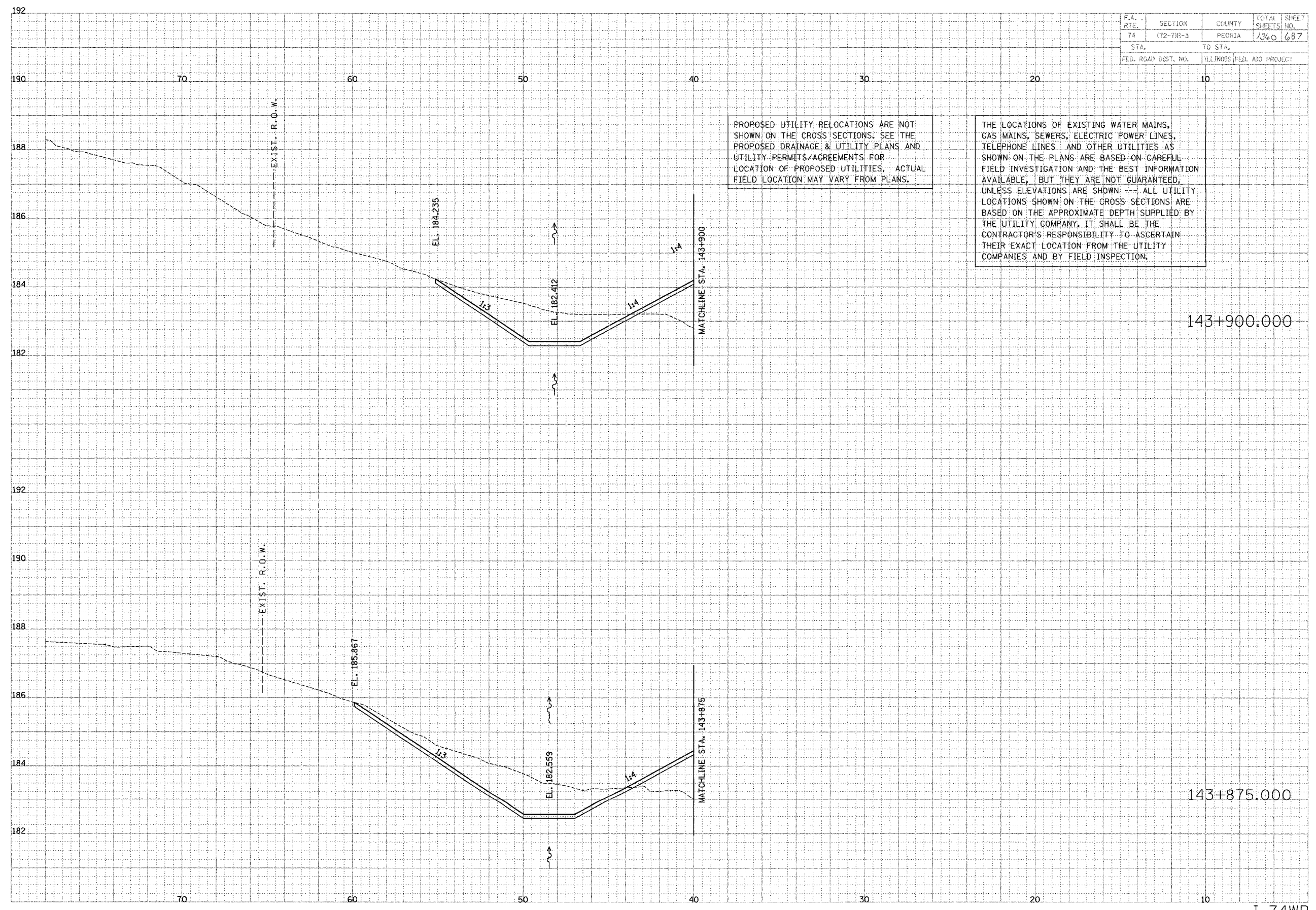
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DATE	BY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	PEORIA	1360	687
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DATE	3/7
APPROVED	
SUPERVISOR	
PLOTTED	
NOTE BOOK	
PLEASE CHECKED	


JAMES W. HARRISON
 TRANSPORTATION ENGINEER
 Engineers and Planners

DATE	3/7
APPROVED	
SUPERVISOR	
PLOTTED	
NOTE BOOK	
PLEASE CHECKED	



PROPOSED UTILITY RELOCATIONS ARE NOT SHOWN ON THE CROSS SECTIONS. SEE THE PROPOSED DRAINAGE & UTILITY PLANS AND UTILITY PERMITS/AGREEMENTS FOR LOCATION OF PROPOSED UTILITIES. ACTUAL FIELD LOCATION MAY VARY FROM PLANS.

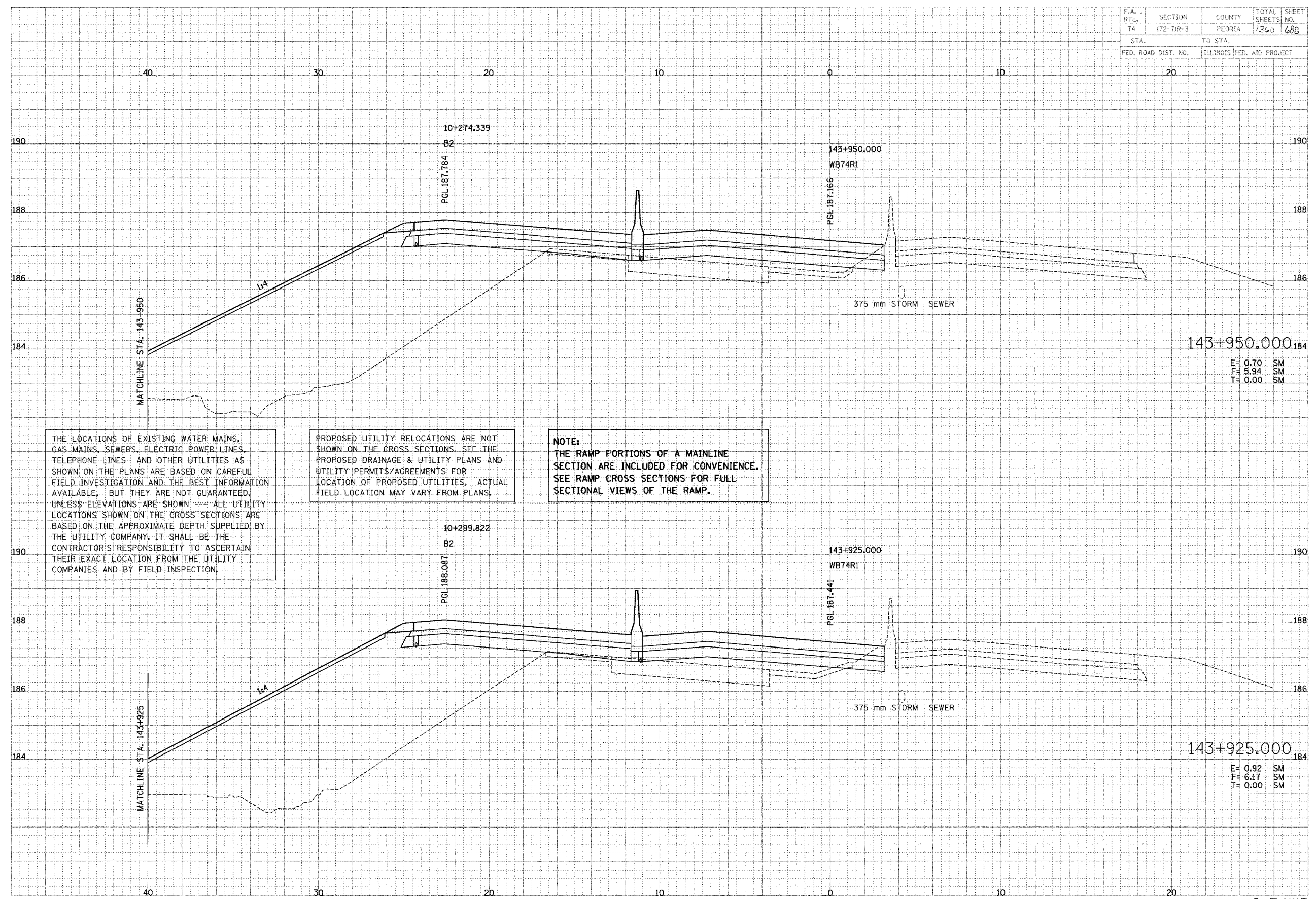
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	PEORIA	1360	688
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	BY	REVISION

PARSONS TRANSPORTATION GROUP
Engineers and Planners

DATE	BY	REVISION



THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED, UNLESS ELEVATIONS ARE SHOWN. ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.

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NOTE:
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E= 0.70 SM
F= 5.94 SM
T= 0.00 SM

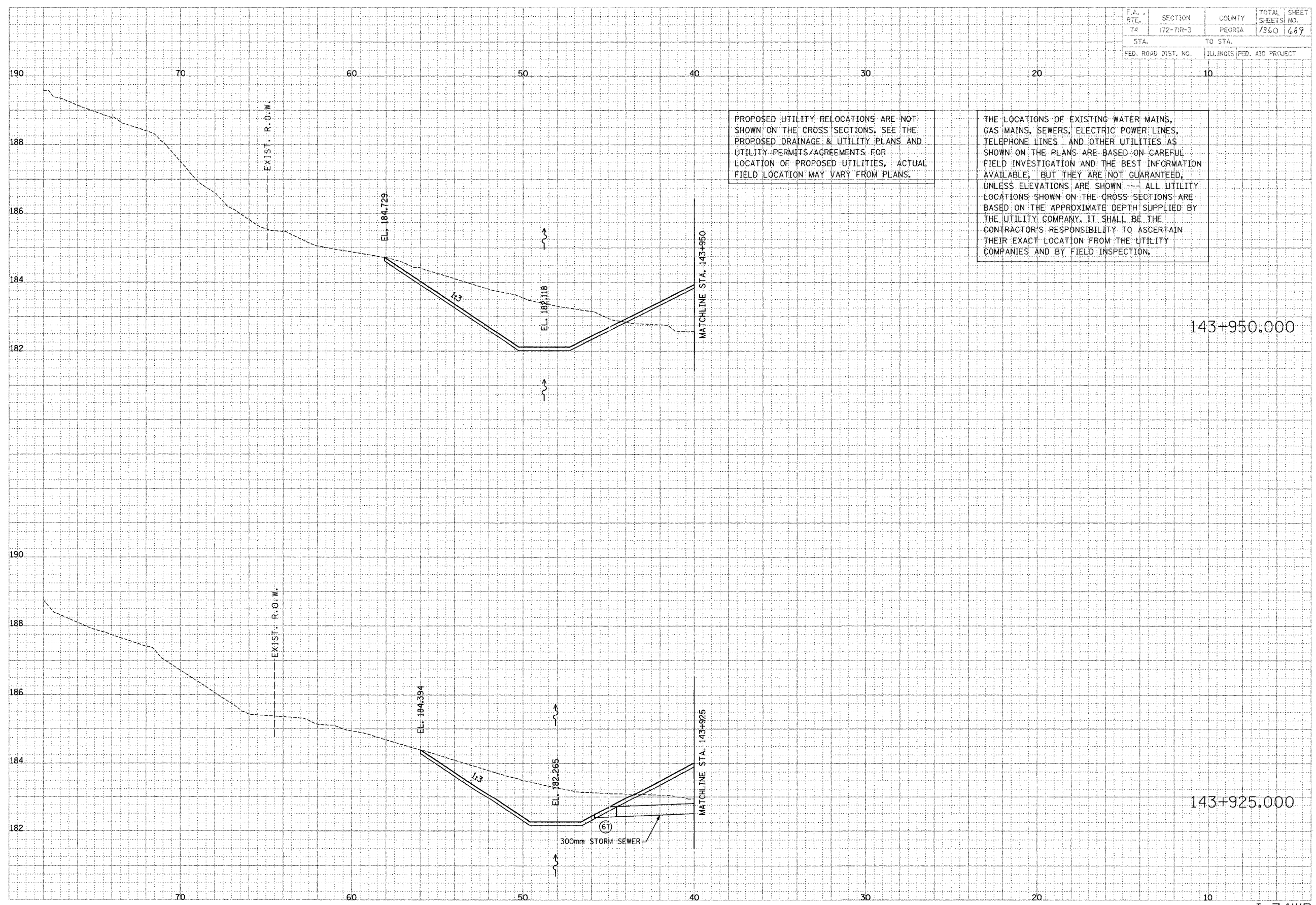
E= 0.92 SM
F= 6.17 SM
T= 0.00 SM

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	172-7R-3	PEORIA	1360	689
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	BY
DATE	BY
DATE	BY

PARSONS TRANSCORP
TRANSPORTATION GROUP
Engineers and Planners

DATE	BY
DATE	BY
DATE	BY



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143+950.000

143+925.000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71A-3)	PEORIA	1360	691
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

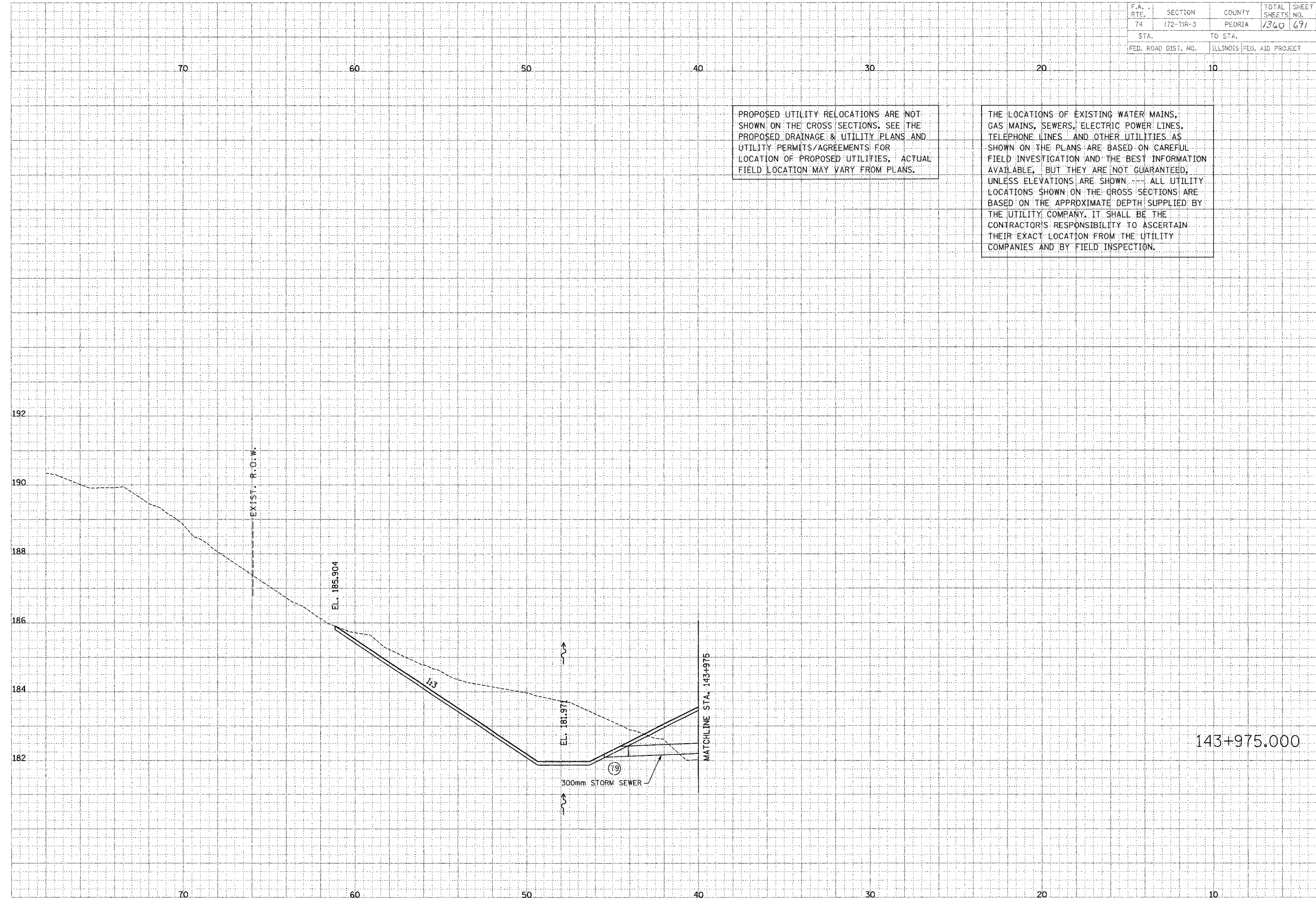
DATE	BY	REVISION

PARSONS TRANSPORTATION GROUP
Engineers and Planners

DATE	BY	REVISION

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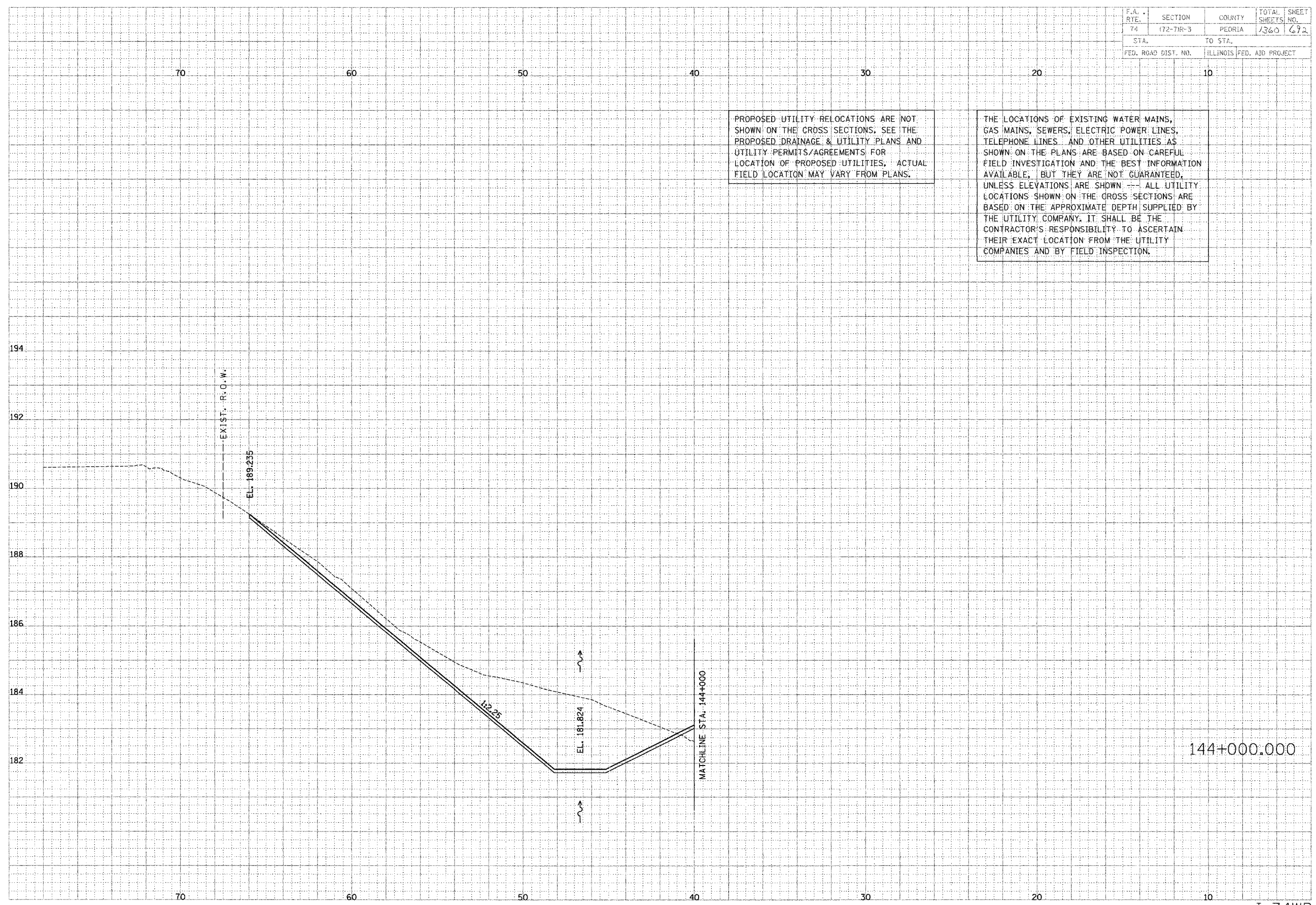


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	172-71R-3	PEORIA	1360	692
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	BY
DATE	BY
DATE	BY

PARSONS TRANSPORTATION GROUP
Engineers and Planners

DATE	BY
DATE	BY
DATE	BY



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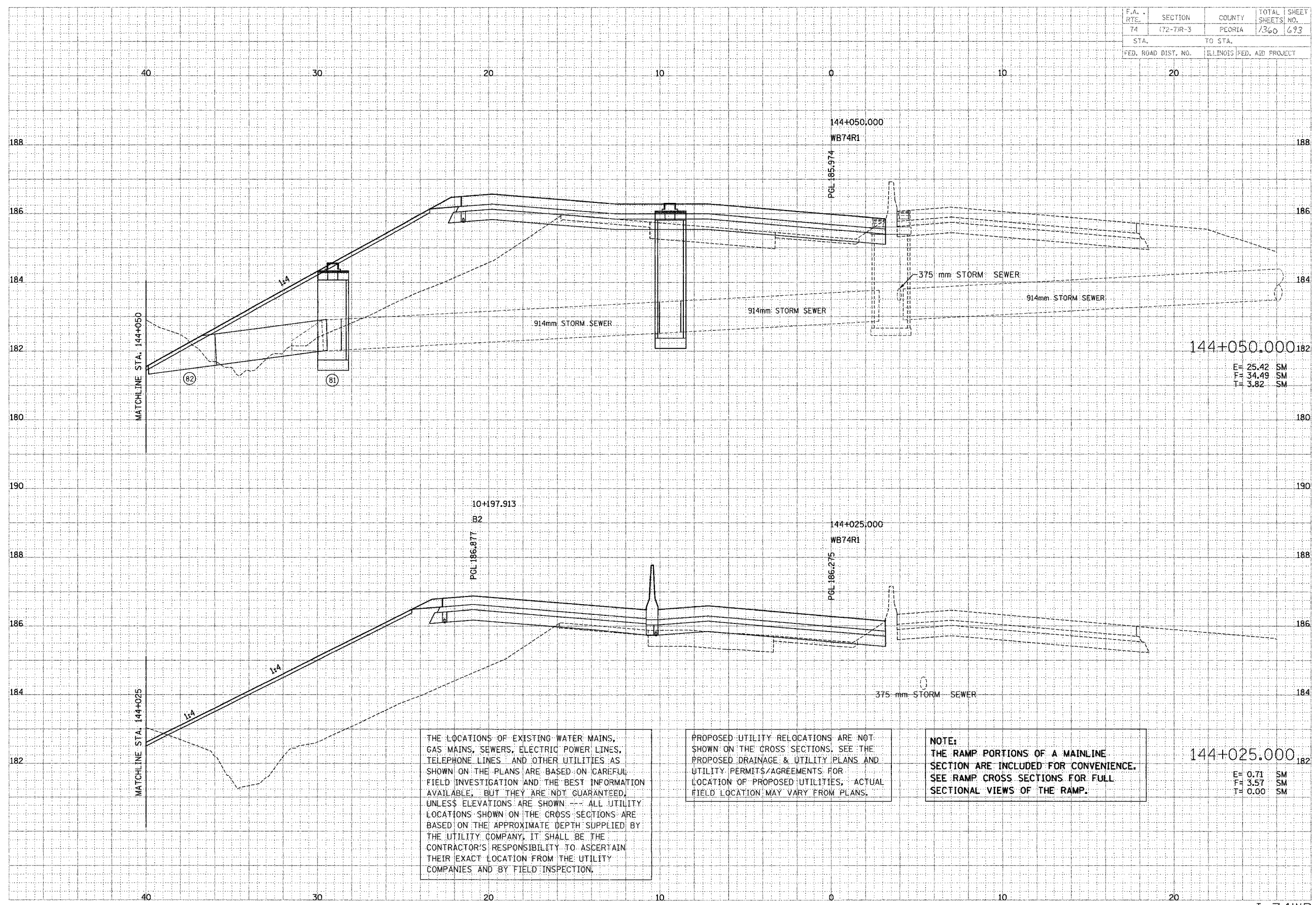
144+000.000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	172-71R-3	PEORIA	1300	693
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	BY
DATE	BY
DATE	BY

PAULSON TRANSPORTATION GROUP
Engineers and Planners

DATE	BY
DATE	BY
DATE	BY



144+050.000
E= 25.42 SM
F= 34.49 SM
T= 3.82 SM

144+025.000
E= 0.71 SM
F= 3.57 SM
T= 0.00 SM

THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED, UNLESS ELEVATIONS ARE SHOWN. ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.

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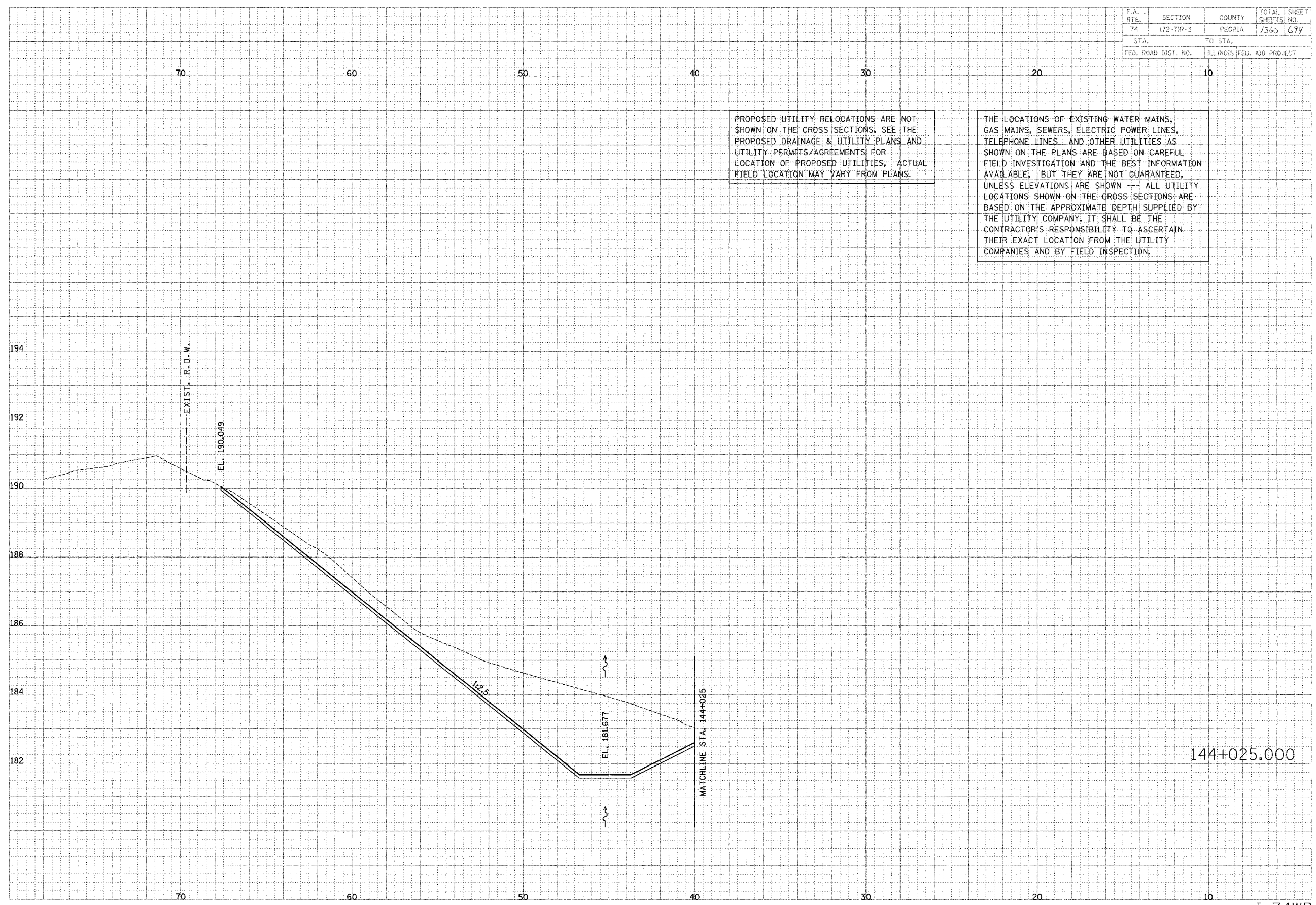
NOTE:
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	PEORIA	1360	674
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	DATE
NOTE BOOK	BY
AREA	CHECKED

PARSONS TRANSPORTATION GROUP
Engineers and Planners

ORIGINAL SURVEY	DATE
NOTE BOOK	BY
AREA	CHECKED



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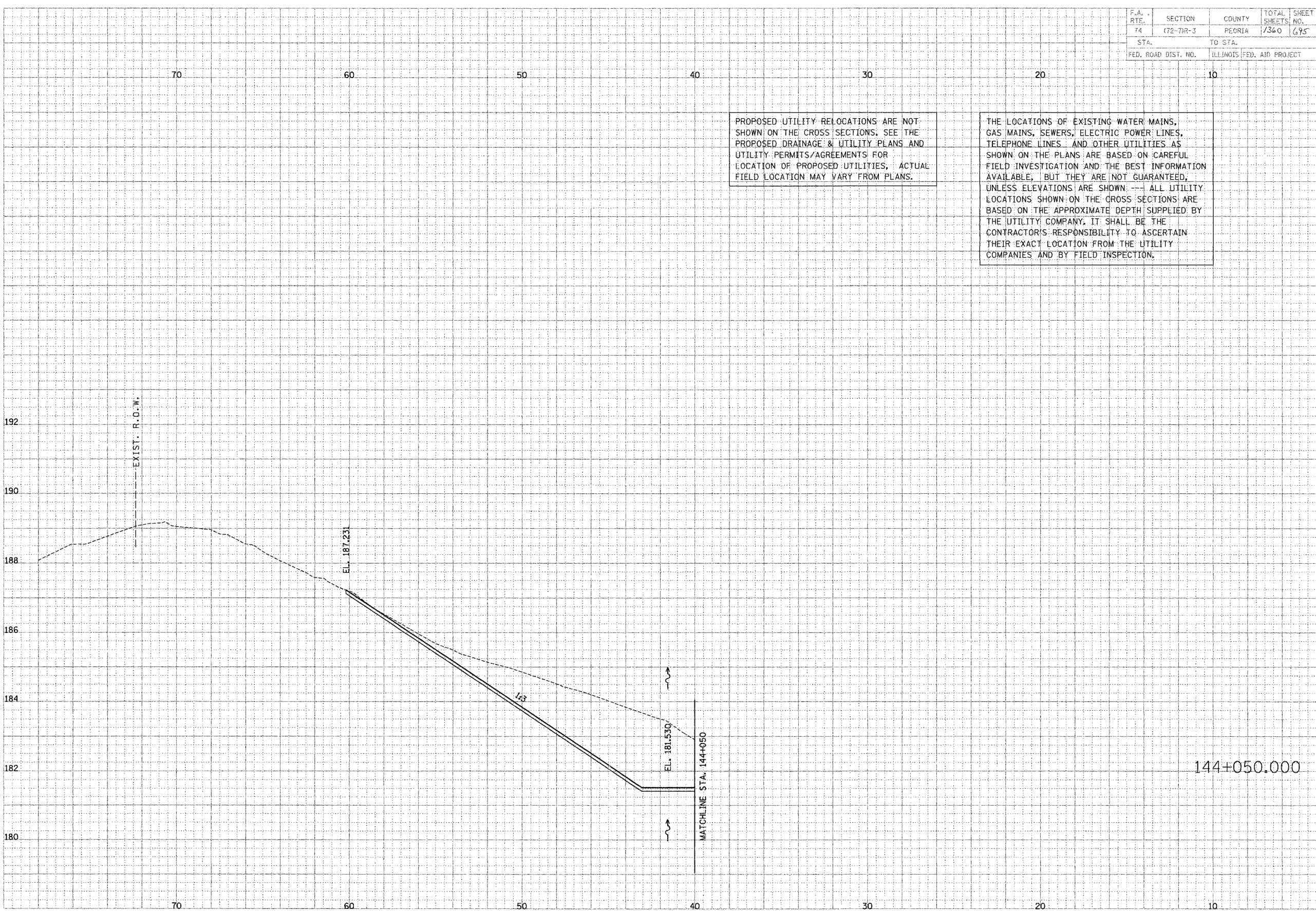
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F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	PEORIA	1360	695
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DATE: _____
 DRAWN BY: _____
 CHECKED BY: _____
 SUPERVISOR: _____
 PLOTTED BY: _____
 NOTE BOOK: _____
 REVISION: _____

PARSONS TRANSPORTATION GROUP
 Engineers and Planners

DATE: _____
 DRAWN BY: _____
 CHECKED BY: _____
 SUPERVISOR: _____
 PLOTTED BY: _____
 NOTE BOOK: _____
 REVISION: _____



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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	FLORIDA	1360	696
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

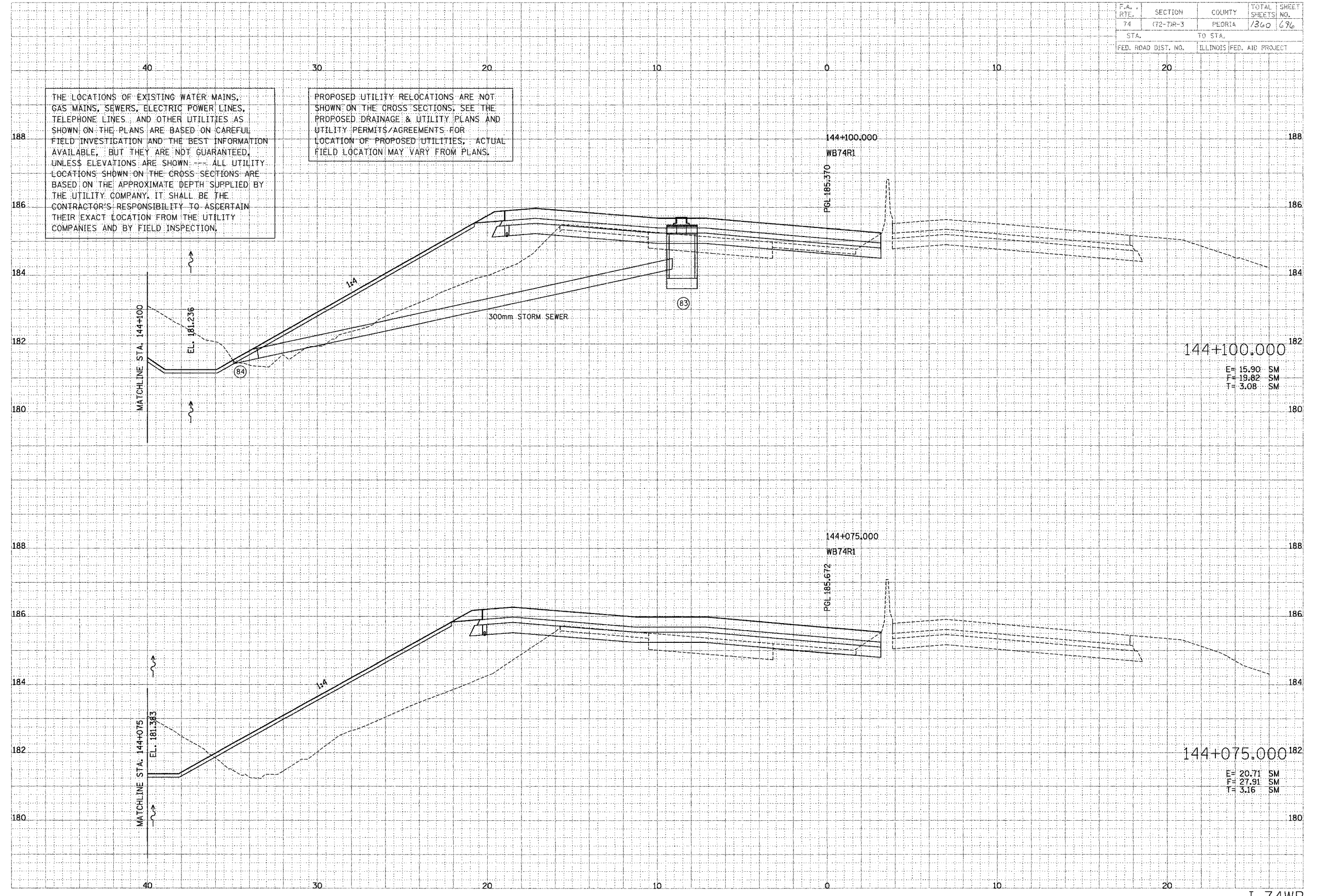
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DATE	BY	REVISION

PARSONS TRANSPORTATION GROUP
Engineers and Planners

DATE	BY	REVISION



144+100.00
E= 15.90 SM
F= 19.82 SM
T= 3.08 SM

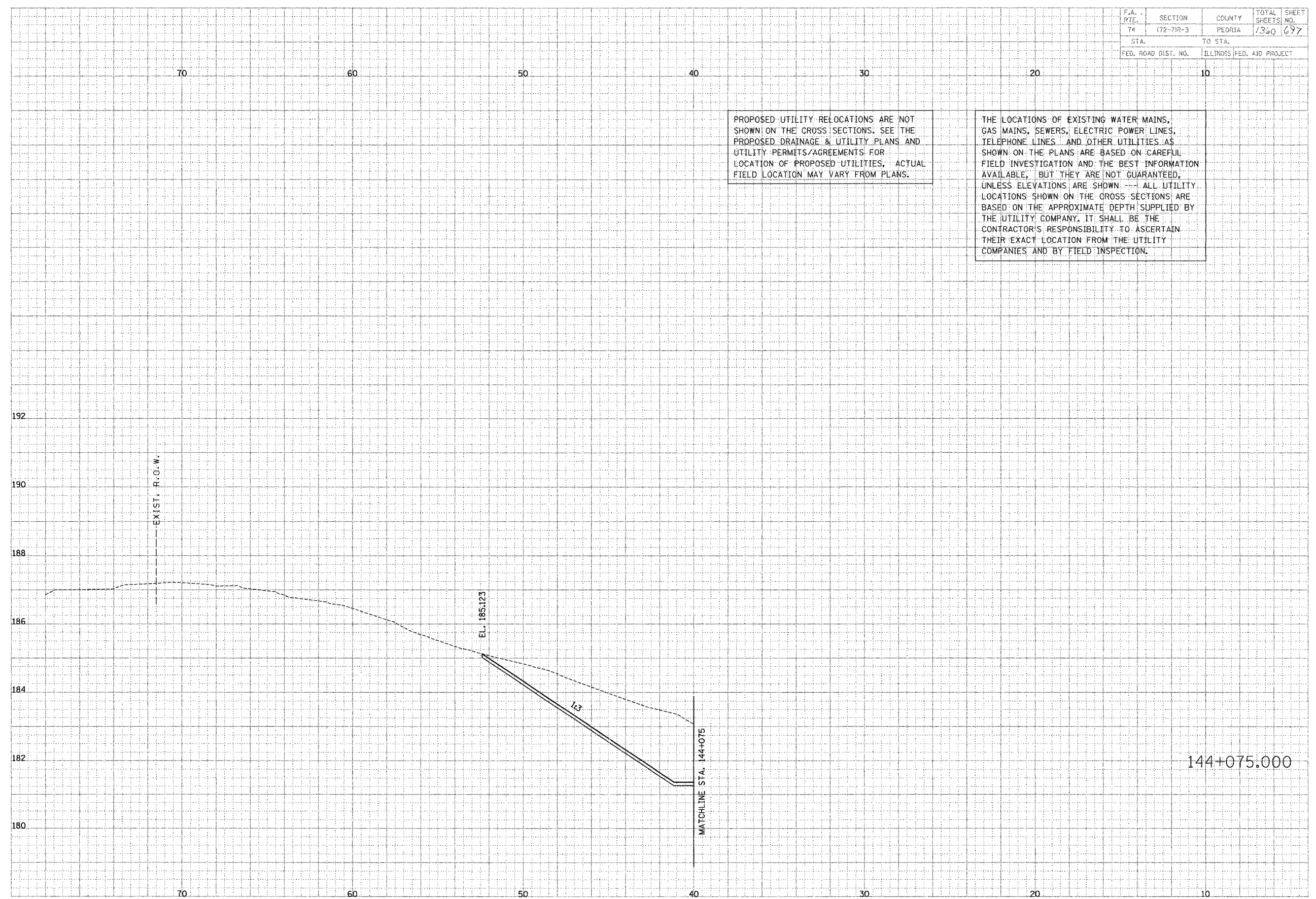
144+075.00
E= 20.71 SM
F= 27.91 SM
T= 3.16 SM

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	PEORIA	1360	697
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DATE	5/1
BY	...
CHECKED	...
APPROVED	...
DATE	...

PARSONS
TRANSPORTATION GROUP
Engineers and Planners

DATE	5/1
BY	...
CHECKED	...
APPROVED	...
DATE	...



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F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	PEORIA	1360	1698
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

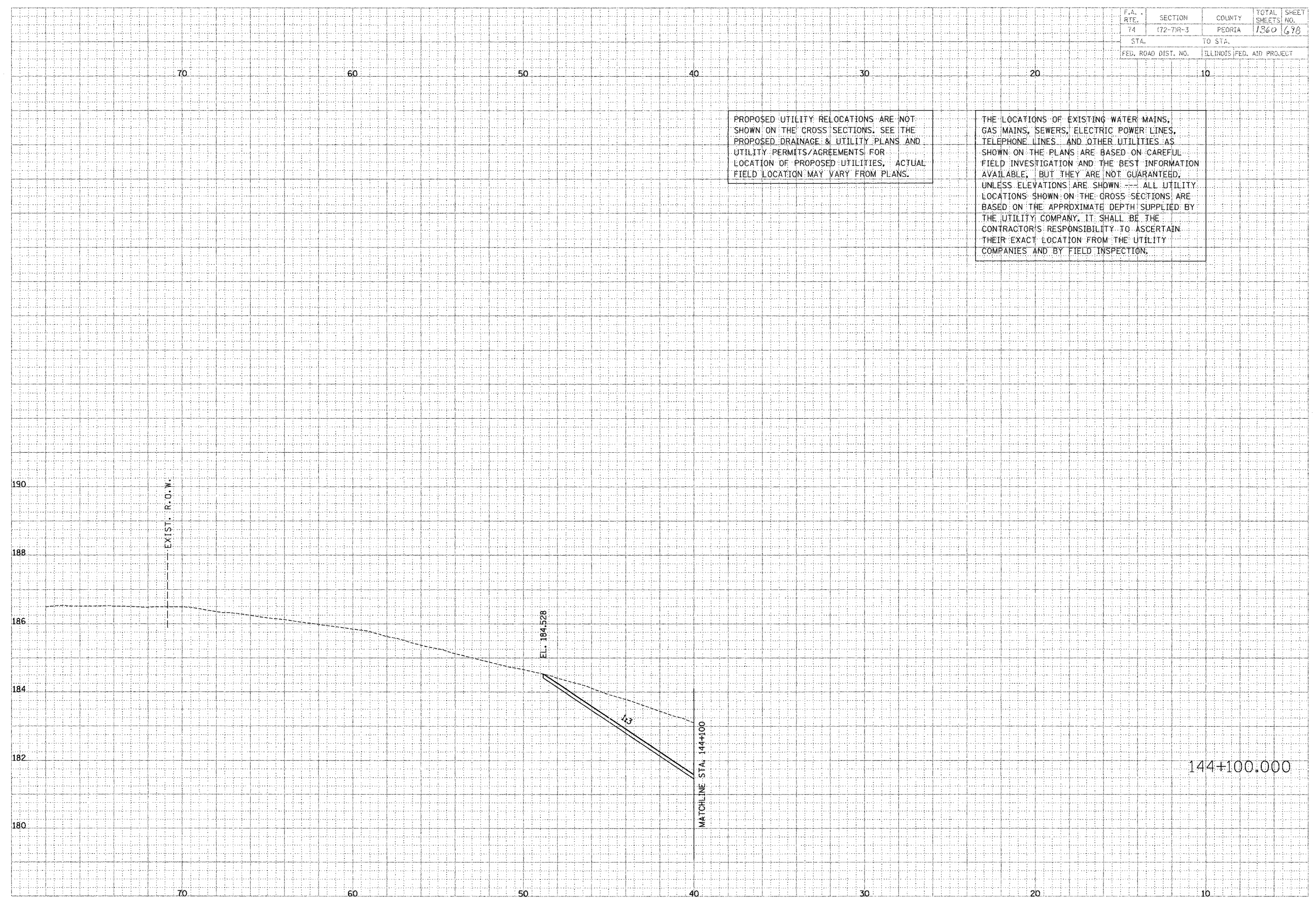
DATE	BY	CHECKED
DATE	BY	CHECKED
DATE	BY	CHECKED

PARSONS TRANSPORTATION GROUP
Engineers and Planners

DATE	BY	CHECKED
DATE	BY	CHECKED
DATE	BY	CHECKED

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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7R-3)	PEORIA	1360	677
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

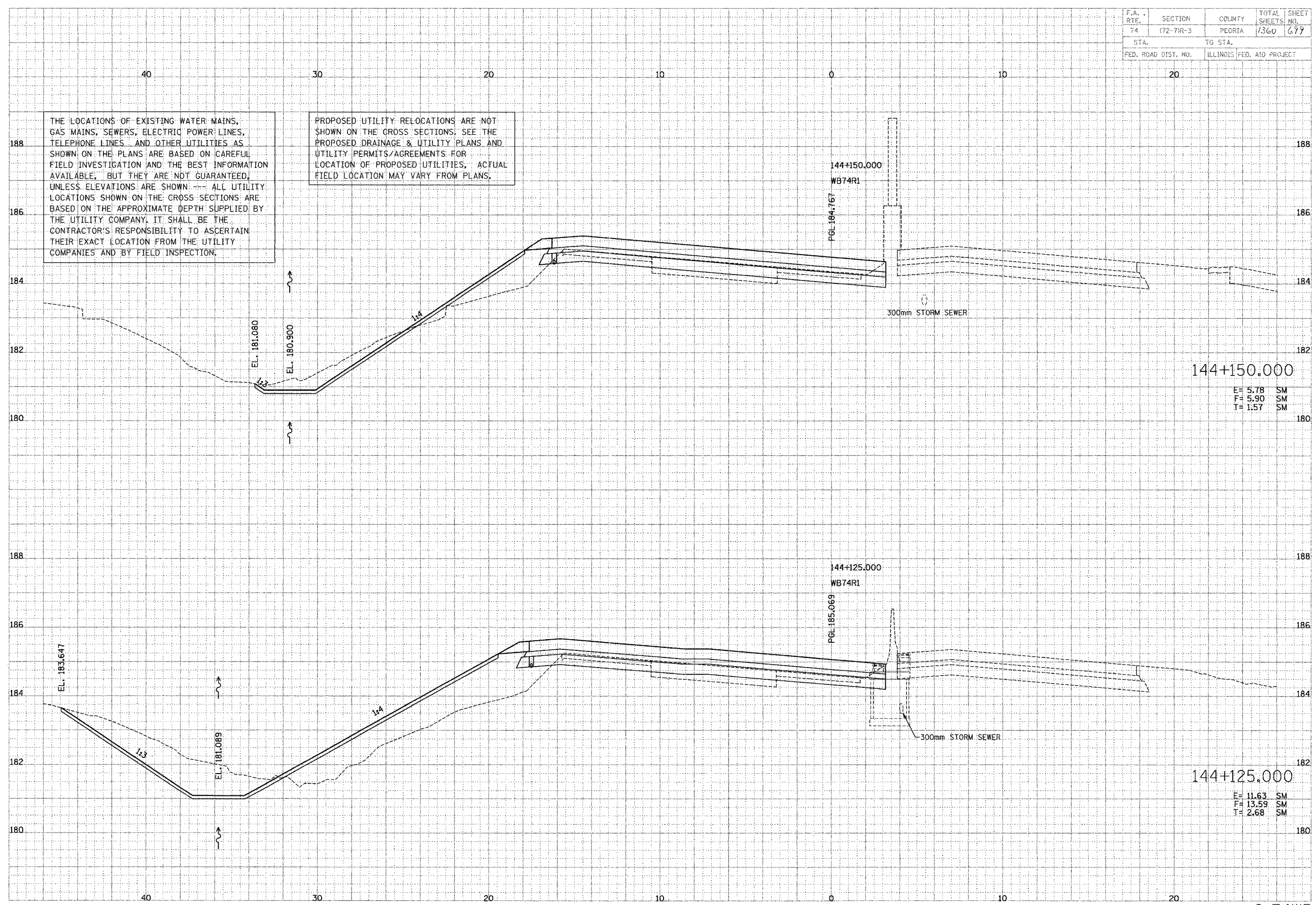
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DATE	BY
DATE	BY
DATE	BY

PARSONS
TRANSPORTATION GROUP
Engineers and Planners

DATE	BY
DATE	BY
DATE	BY



E= 5.78 SM
F= 5.90 SM
T= 1.57 SM

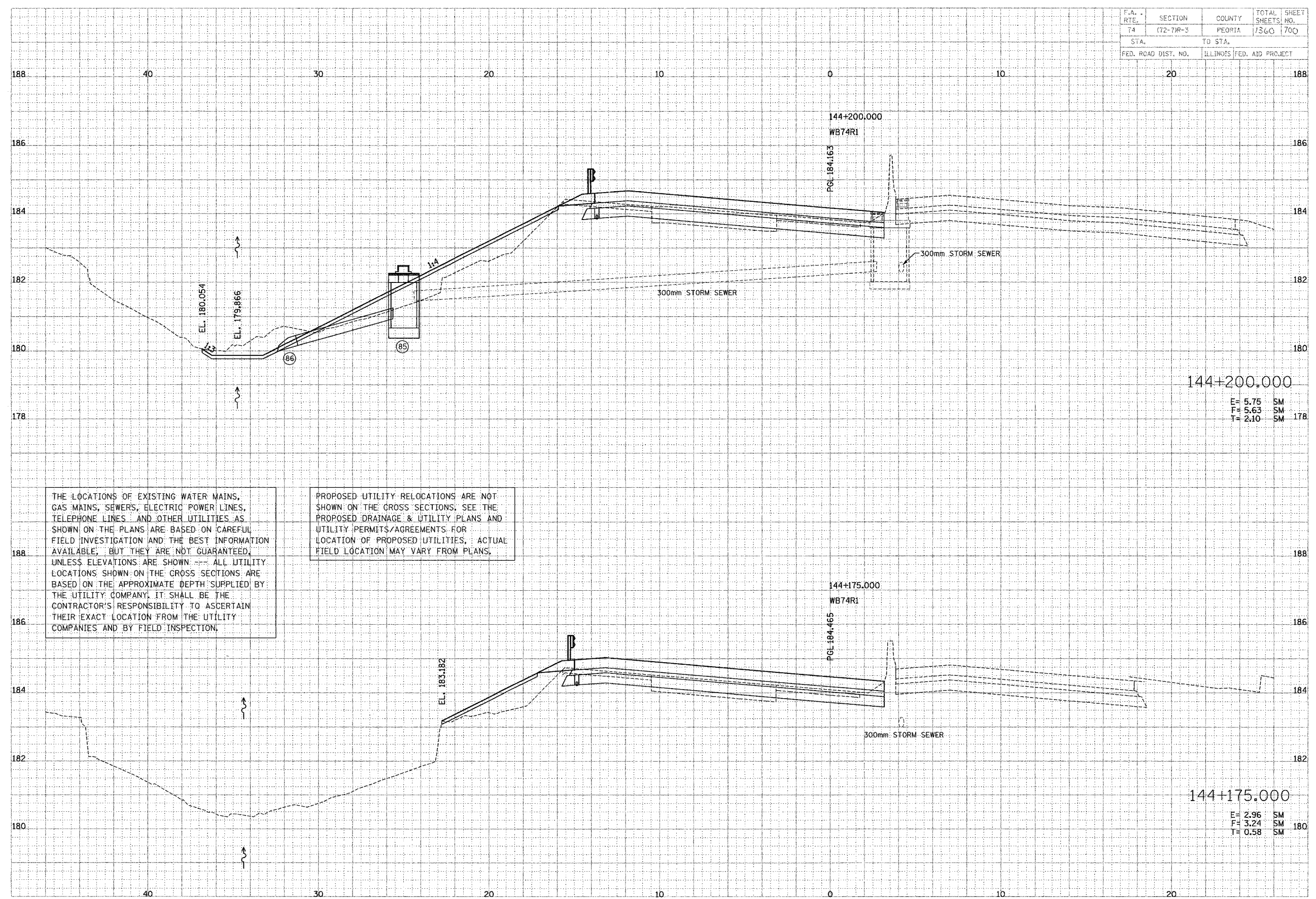
E= 11.63 SM
F= 13.59 SM
T= 2.68 SM

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T4	(72-7)P-3	PEORIA	1360	1700
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DATE	BY	CHKD.
DATE	BY	CHKD.
DATE	BY	CHKD.

PARSONS
TRANSPORTATION GROUP
Engineers and Planners

DATE	BY	CHKD.
DATE	BY	CHKD.
DATE	BY	CHKD.



THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED, UNLESS ELEVATIONS ARE SHOWN. ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.

PROPOSED UTILITY RELOCATIONS ARE NOT SHOWN ON THE CROSS SECTIONS. SEE THE PROPOSED DRAINAGE & UTILITY PLANS AND UTILITY PERMITS/AGREEMENTS FOR LOCATION OF PROPOSED UTILITIES. ACTUAL FIELD LOCATION MAY VARY FROM PLANS.

144+200.000
E= 5.75 SM
F= 5.63 SM
T= 2.10 SM

144+175.000
E= 2.96 SM
F= 3.24 SM
T= 0.58 SM