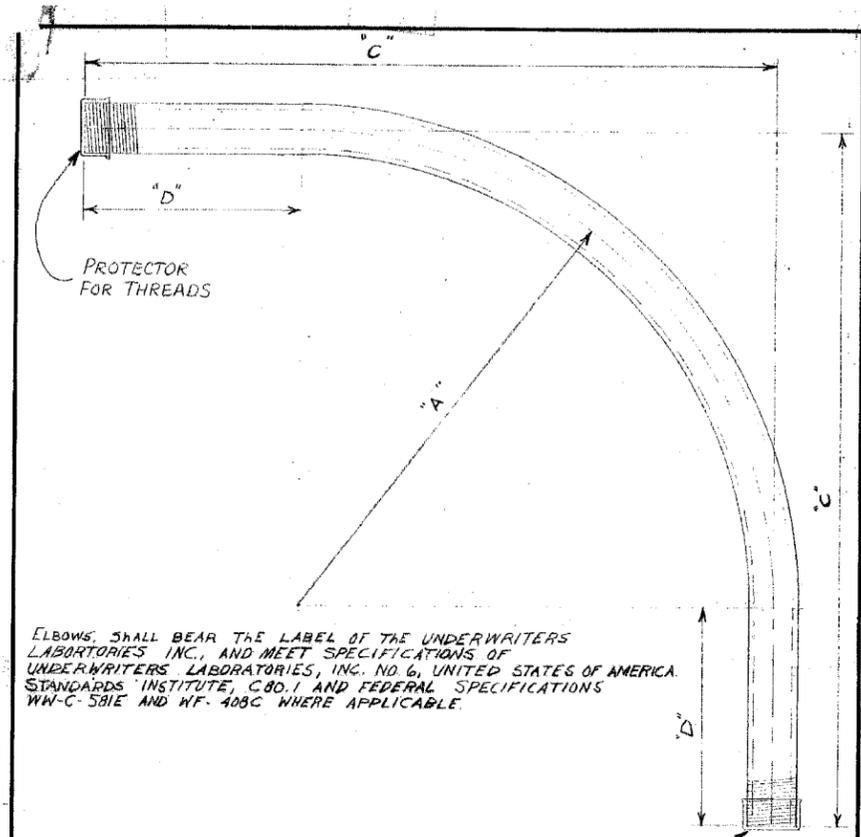




F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	•	COOK	312	202
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
60A62		• (1919.15, 2021-922 PT1 & PT2) R-1		



ELBOWS SHALL BEAR THE LABEL OF THE UNDERWRITERS LABORATORIES INC., AND MEET SPECIFICATIONS OF UNDERWRITERS LABORATORIES, INC. NO. 6, UNITED STATES OF AMERICA. STANDARDS INSTITUTE, C80.1 AND FEDERAL SPECIFICATIONS WW-C-581E AND WF-408C WHERE APPLICABLE.

NOTE:  
TWO THREAD PROTECTORS TO BE FURNISHED ON EACH ELBOW, PROTECTOR TO COVER A MINIMUM OF TEN THREADS.

REAM BOTH ENDS TO REMOVE BURRS

CONDUIT SIZE	DIMENSIONS			COMMODITY CODE
	A"	C"	D"	
1 1/4"	24"	35"	11"	09-4001-0510
1 1/2"	24"	35"	11"	09-4001-0520
2"	24"	35"	11"	09-4001-4126
2 1/2"	24"	35"	11"	09-4001-4128
3"	24"	35"	11"	09-4001-4230
4"	24"	35"	11"	09-4001-0000

**B SPECIFICATIONS REVISED**  
**A REVISED DIMENSIONS ON 3" & 4" CONDUIT L.P.**  
**ELBOW, CONDUIT, RIGID GALVANIZED STEEL, LARGE RADIUS**

**CITY OF CHICAGO**  
DEPT. OF STREETS AND SANITATION  
BUREAU OF ELECTRICITY  
DIVISION OF ELECTRICAL ENGINEERING

REVISION	DATE	BY	CHECKED	ENGINEER
A	7-22-71			
B	4-3-79	LON BUROY	M.S.	M. SHINE
C				
D				
E				
F				
G				

DRG. NO. 11825  
SIZE 8 1/2" x 14" SCALE: 3/16" DATE 6-2-71

**NOTES:**

- THIS IS A STANDARD DRAWING MADE BY THE CITY OF CHICAGO, DEPARTMENT OF STREETS AND SANITATION, BUREAU OF ELECTRICITY. THIS DRAWING IS INCLUDED FOR THE CONVENIENCE OF THE CONTRACTOR.

CTE | AECOM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
63RD STREET TO GARFIELD BLVD (NB LOCAL LANES)

STANDARD BOE DETAILS

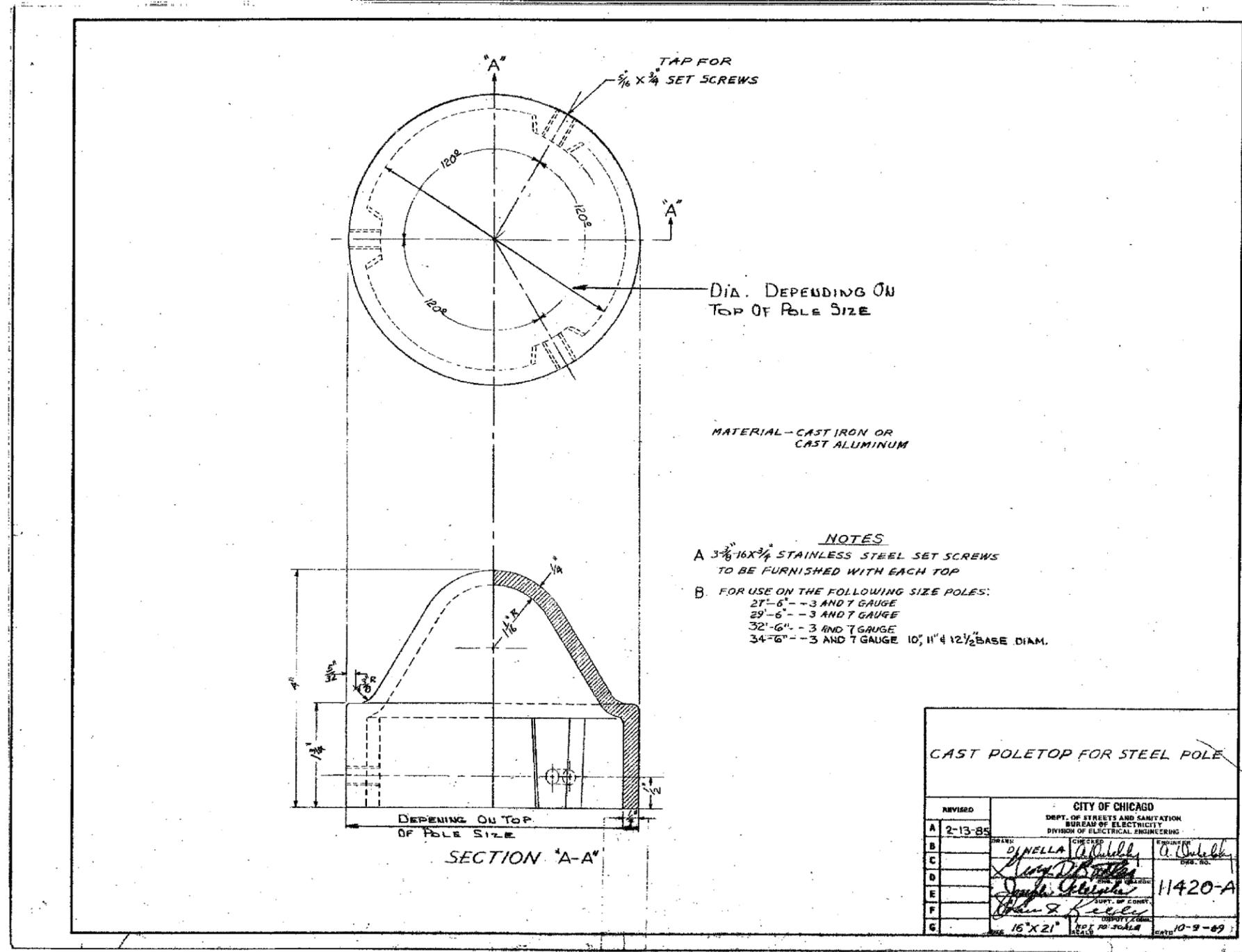
SCALE: NOT TO SCALE  
DATE: June 9, 2006

DRAWN BY: HAR  
CHECKED BY: JPC

06/02/2006 02:54:03 PM



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	312	204
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
60A62		* (1919.15, 2021-922 PT1 & PT2) R-1		



TAP FOR  
1/8 X 3/4 SET SCREWS

120°

120°

120°

DIA. DEPENDING ON  
TOP OF POLE SIZE

MATERIAL - CAST IRON OR  
CAST ALUMINUM

- NOTES**
- A 3/8 16X3/4 STAINLESS STEEL SET SCREWS  
TO BE FURNISHED WITH EACH TOP
- B FOR USE ON THE FOLLOWING SIZE POLES:  
27'-6" - 3 AND 7 GAUGE  
29'-6" - 3 AND 7 GAUGE  
32'-6" - 3 AND 7 GAUGE  
34'-6" - 3 AND 7 GAUGE 10", 11" & 12 1/2" BASE DIAM.

**CAST POLE TOP FOR STEEL POLE**

REVISED	CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING	
A	2-13-85	
B		
C		
D		
E		
F		
G		

16" X 21"

**NOTES:**

1. THIS IS A STANDARD DRAWING MADE BY THE CITY OF CHICAGO, DEPARTMENT OF STREETS AND SANITATION, BUREAU OF ELECTRICITY. THIS DRAWING IS INCLUDED FOR THE CONVENIENCE OF THE CONTRACTOR.

CTE | AECOM

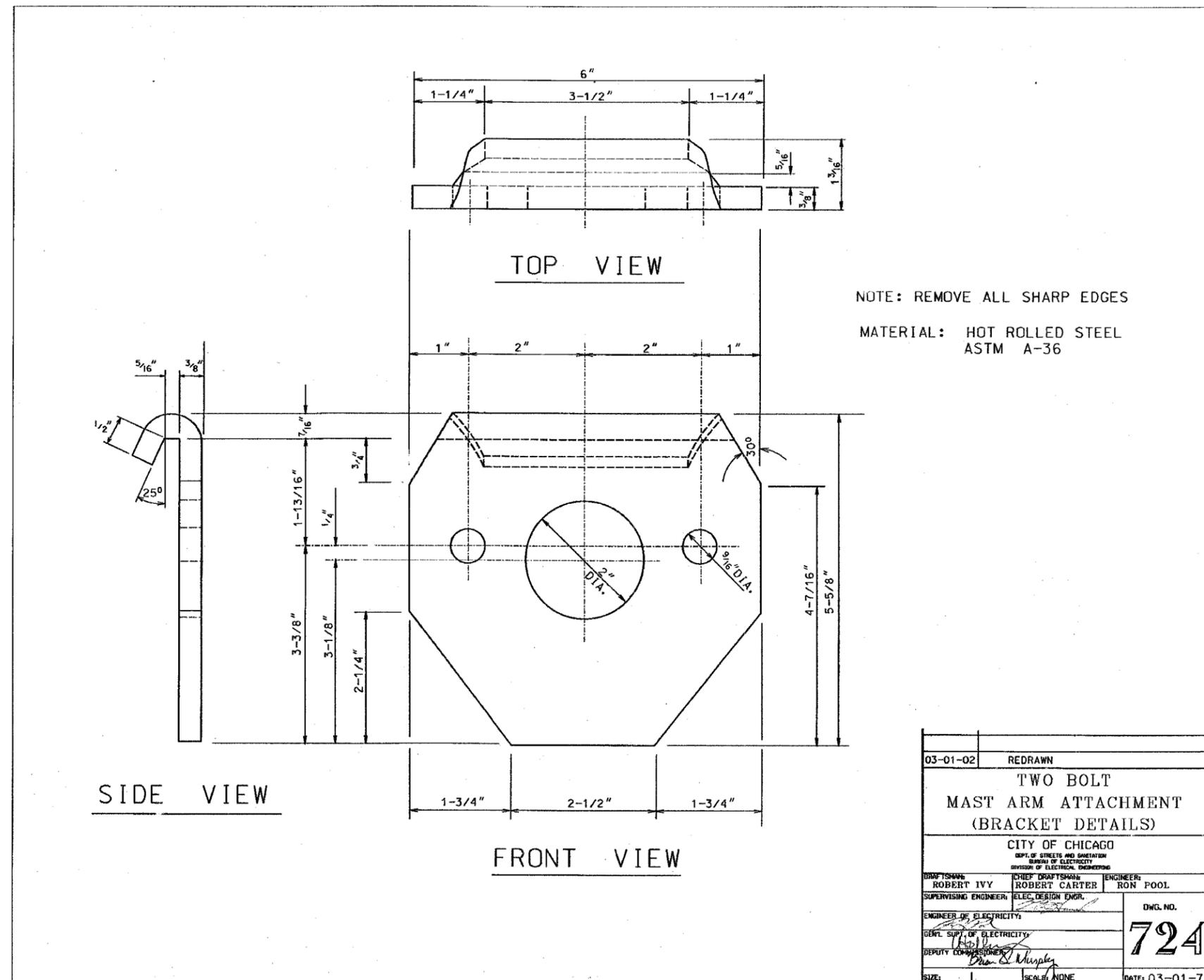
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. 90/94 (DAN RYAN EXPRESSWAY) 63RD STREET TO GARFIELD BLVD (NB LOCAL LANES)
NAME	DATE	
		STANDARD BOE DETAILS

SCALE: NOT TO SCALE      DRAWN BY: HAR  
DATE: June 9, 2006      CHECKED BY: JPC

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	312	205
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
60A62		• (1919.15, 2021-922 PT1 & PT2) R-1		

**NOTES:**

- THIS IS A STANDARD DRAWING MADE BY THE CITY OF CHICAGO, DEPARTMENT OF STREETS AND SANITATION, BUREAU OF ELECTRICITY. THIS DRAWING IS INCLUDED FOR THE CONVENIENCE OF THE CONTRACTOR.



03-01-02	REDRAWN
TWO BOLT MAST ARM ATTACHMENT (BRACKET DETAILS)	
CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING	
DESIGNER: ROBERT IVY	ENGINEER: RON POOL
SUPERVISING ENGINEER: ROBERT CARTER	ELEC. DESIGN ENGR. RON POOL
ENGINEER OF ELECTRICITY: [Signature]	DWG. NO. <b>724</b>
DEPT. Supt. OF ELECTRICITY: [Signature]	DATE: 03-01-73
DEPUTY COMMISSIONER: [Signature]	SCALE: NONE
SIZE: 1	

E-11

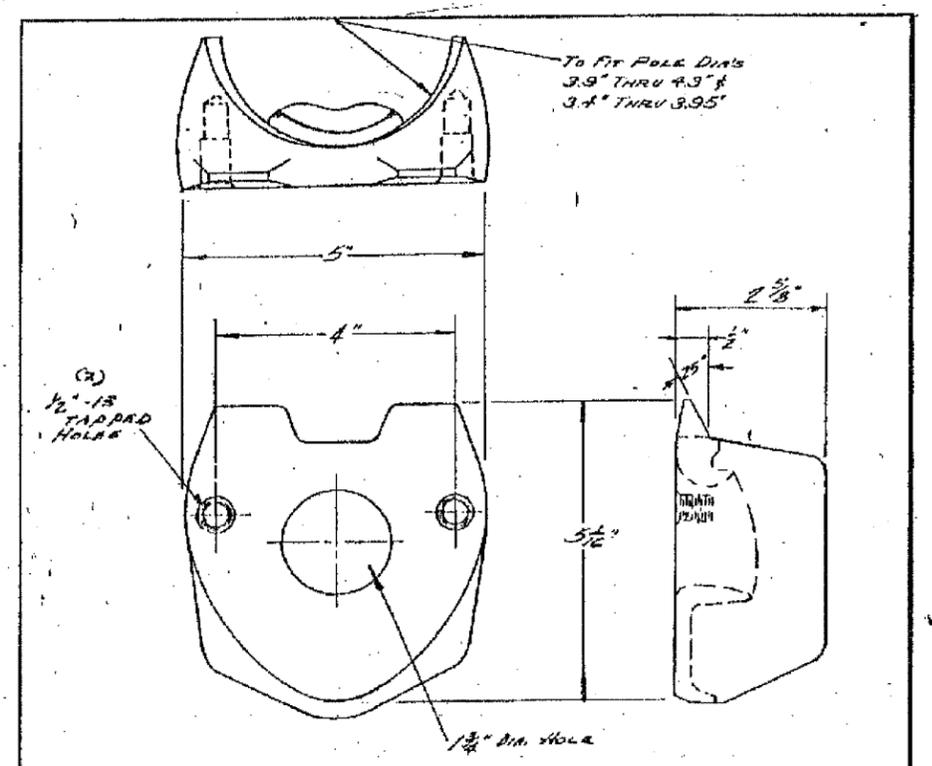
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. 90/94 (DAN RYAN EXPRESSWAY) 63RD STREET TO GARFIELD BLVD (NB LOCAL LANES)
NAME	DATE	
		STANDARD BOE DETAILS

SCALE: NOT TO SCALE      DRAWN BY: HAR  
DATE: June 9, 2006      CHECKED BY: JPC

CTE | AECOM

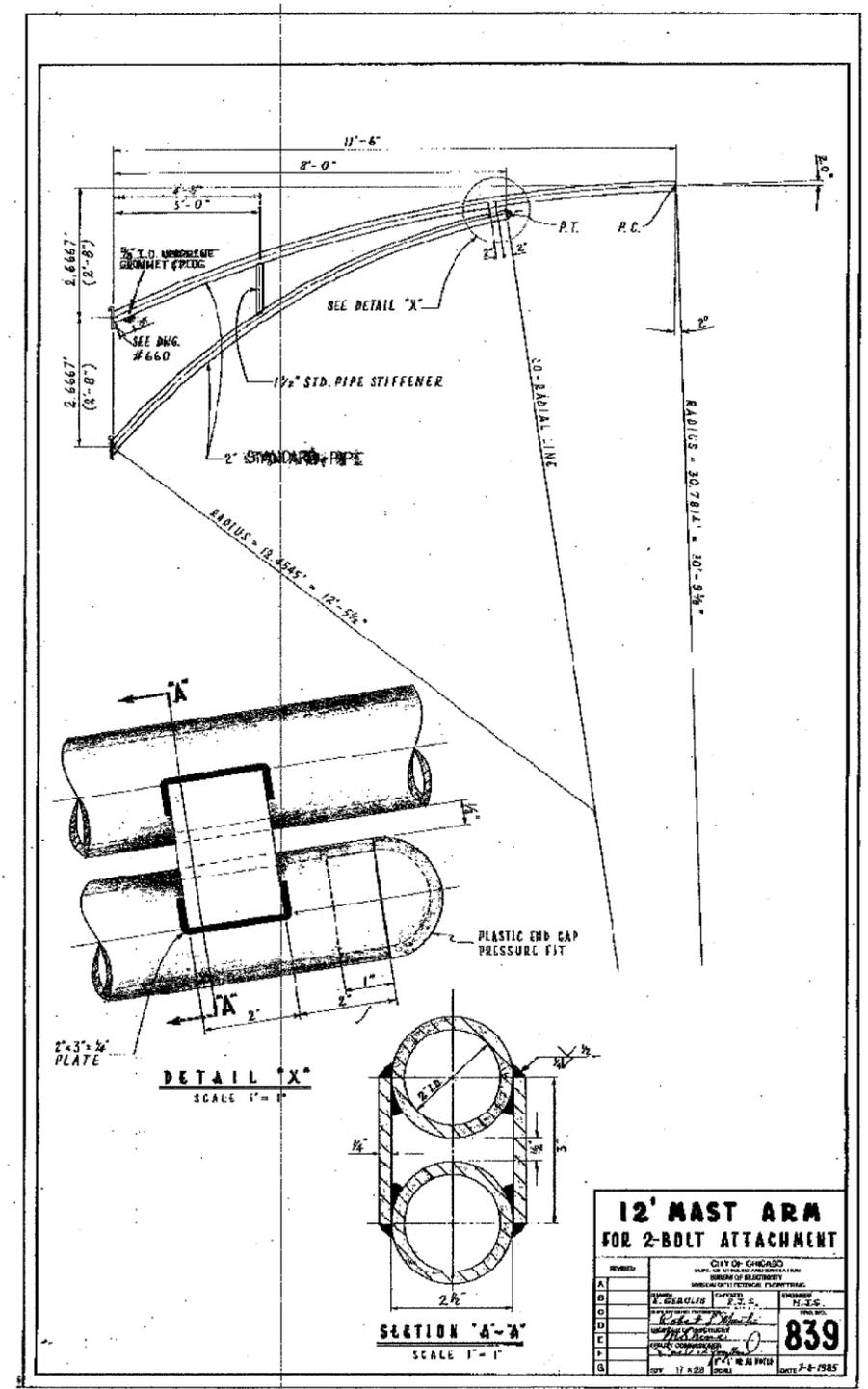
06/02/2006 02:54:33 PM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	312	206
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
60A62		(1919.15, 2021-922 PT1 & PT2) R-1		



**MATERIAL: CAST STEEL**

A J.D.C. MATERIAL NOTE ADDED.	
2 BOLT MAST ARM ATTACHMENT POLE PLATE DETAILS	
CITY OF CHICAGO DEPT. OF STREETS AND SANITATION DIVISION OF ELECTRICAL ENGINEERING	
REVISED	DATE
A	5-27-76
DR. J. WAHLFELD	U. BORE
ENGINEER	U. BORE
DESIGNED BY	U. BORE
CHECKED BY	U. BORE
DATE	10-25-68
SIZE	8 1/2 x 11"
SCALE	
DWG. NO.	659



12' MAST ARM FOR 2-BOLT ATTACHMENT	
CITY OF CHICAGO DEPT. OF STREETS AND SANITATION DIVISION OF ELECTRICAL ENGINEERING	
REVISED	DATE
A	
B	
C	
D	
E	
F	
G	
DESIGNED BY	U. BORE
CHECKED BY	U. BORE
DATE	7-8-1985
DWG. NO.	839

**NOTES:**  
1. THIS IS A STANDARD DRAWING MADE BY THE CITY OF CHICAGO, DEPARTMENT OF STREETS AND SANITATION, BUREAU OF ELECTRICITY. THIS DRAWING IS INCLUDED FOR THE CONVENIENCE OF THE CONTRACTOR.

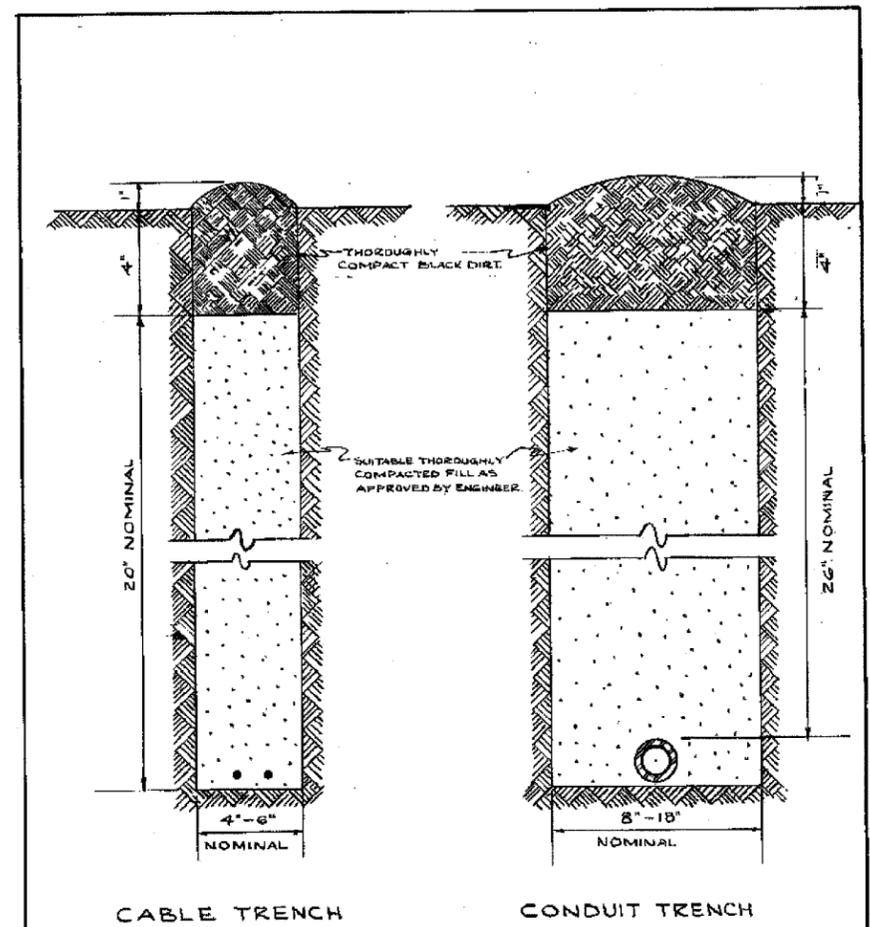
CTE | AECOM

REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
63RD STREET TO GARFIELD BLVD (NB LOCAL LANES)  
**STANDARD BOE DETAILS**  
SCALE: NOT TO SCALE  
DATE: June 9, 2006  
DRAWN BY: HAR  
CHECKED BY: JPC

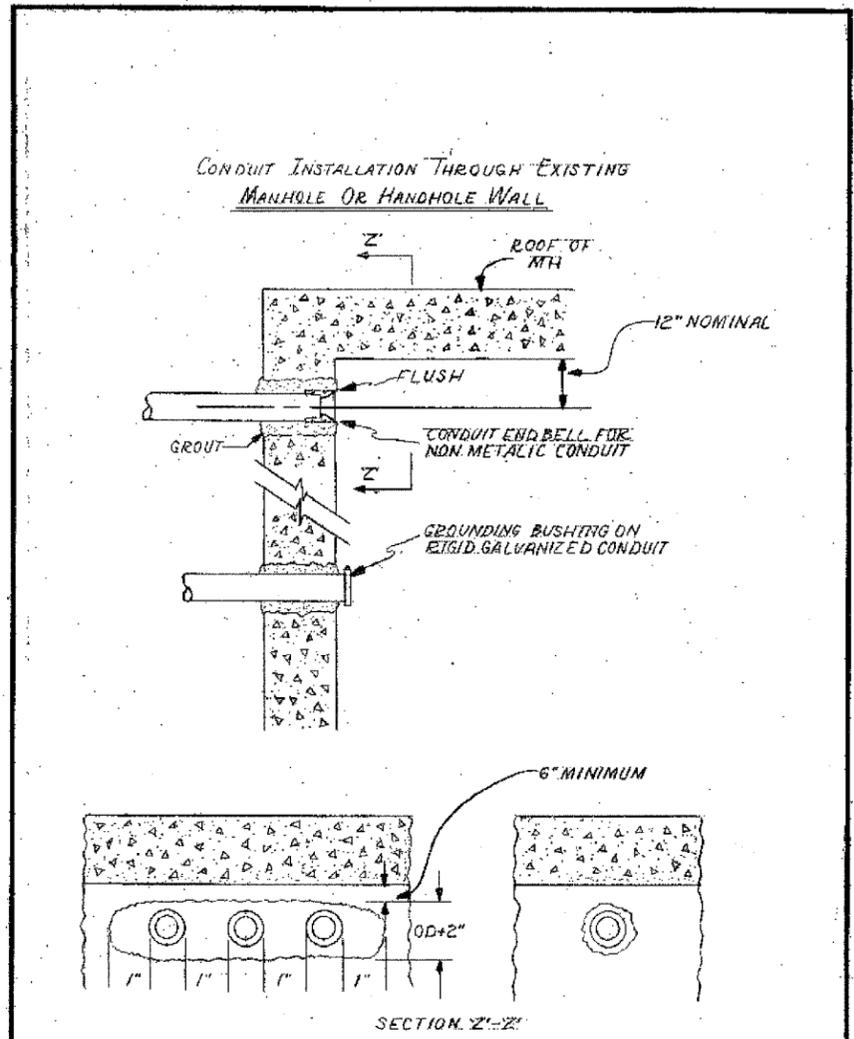
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	312	207
STA.	TO STA.			
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
60A62		(1919.15, 2021-922 PT1 & PT2) R-1		



**NOTE**  
 EXCESS SOIL FROM TRENCH TO BE COMPLETELY REMOVED FROM SITE AS SOON AS PRACTICABLE.  
 BLACK DIET TO BE TAMPED & THOROUGHLY COMPACTED AS SHOWN.

STANDARD METHOD FOR BACKFILLING CABLE & CONDUIT TRENCHES IN SODDED PARKWAY & LAWNS			
CITY OF CHICAGO DEPT. OF STREETS & SANITATION DIVISION OF ELECTRICAL ENGINEERING			
REVISION	DRAWN	CHECKED	ENGINEER
A	W.E. HAEP	M. J. HANE	J. O'CONNOR
B	ENGINEER IN CHARGE		DRG. NO.
C	R. J. KELLY		579
D	Supt. of Const.		
E	M. J. KELLY		
F	M. J. KELLY		
G	M. J. KELLY		
H	SIZE: 8 1/2" x 11"	SCALE: 1/4"	DATE: 7-14-61



OPENING THROUGH WALL TO BE KEPT TO MINIMUM SIZE TO ADMIT CONDUIT AND SUFFICIENT GROUT TO ASSURE SEALING WALL.

INSTALLATION METHOD OF INSTALLING CONDUIT THRU MANHOLE WALL

**CITY OF CHICAGO**  
 DEPT. OF STREETS AND SANITATION  
 BUREAU OF ELECTRICITY  
 DIVISION OF ELECTRICAL ENGINEERING

DRAWN: A.M. JOHNSON  
 CHECKED: R. SIEKOWSKI  
 ENGINEER: R.L. MARTIN

ENGINEER OF ELECTRICITY: Thomas Kilduff  
 DRG. NO. 814

CHARLES E. BENTLEY  
 8 1/2" x 11"

**NOTES:**  
 1. THIS IS A STANDARD DRAWING MADE BY THE CITY OF CHICAGO, DEPARTMENT OF STREETS AND SANITATION, BUREAU OF ELECTRICITY. THIS DRAWING IS INCLUDED FOR THE CONVENIENCE OF THE CONTRACTOR.

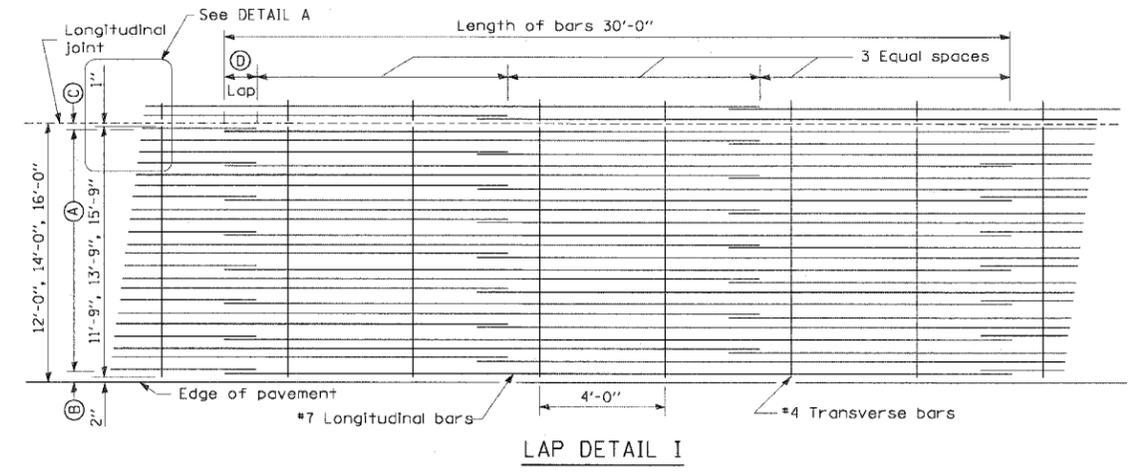
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
 63RD STREET TO GARFIELD BLVD (NB LOCAL LANES)

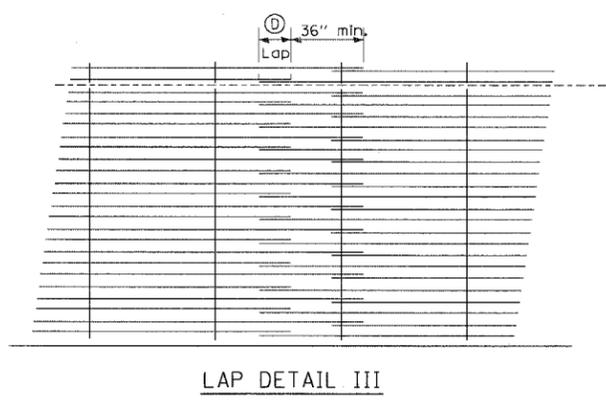
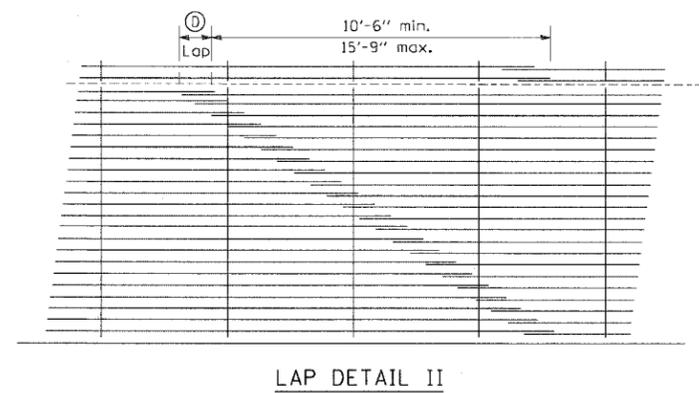
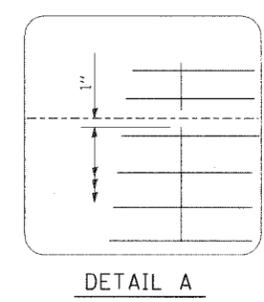
**STANDARD BOE DETAILS**

SCALE: NOT TO SCALE  
 DATE: June 9, 2006  
 DRAWN BY: HAR  
 CHECKED BY: JPC

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	312	208
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
60A62		1919.15, 2021-922 PT1 & PT2) R-1		



Pavement Width	Bar Size	Pavement Thickness	(A) (Approx. Spacing)	(B)	(C)	(D)
12 feet	#7	14"	26 spaces (27 bars) @ 5 1/4"	3 1/2"	3"	26"
14 feet	#7	14"	30 spaces (31 bars) @ 5 3/8"	3 1/2"	3"	26"
16 feet	#7	14"	35 spaces (36 bars) @ 5 1/4"	3 1/2"	3"	26"



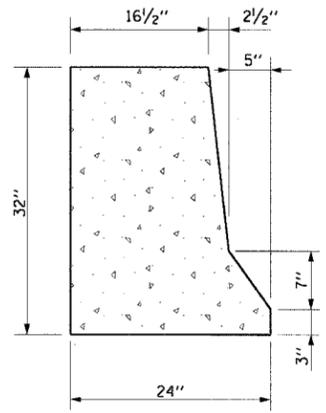
- NOTES:
1. THE PAVEMENT REINFORCEMENT SHALL BE 4.5" FROM THE TOP OF PAVEMENT.
  2. EXCEPT AS NOTED OR SHOWN, THE DIMENSIONS AND NOTES SPECIFIED FOR LAP DETAIL I ARE TYPICAL FOR LAP DETAIL II AND III.
  3. THE (D) DIMENSION AND THE DISTANCE FROM THE END OF THE TRANSVERSE BAR TO THE EDGE OF PAVEMENT MAY BE INCREASED BY 1" FOR SLIP FORM PAVING.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. 90/94 (DAN RYAN EXPRESSWAY) 63RD STREET TO GARFIELD BLVD (NB LOCAL LANES) ROADWAY DETAILS EXTENDED LANE REINFORCEMENT FOR CONTINUOUSLY REINFORCED PCC PAVEMENT	SCALE: NONE DATE: June 9, 2006	DRAWN BY: NJH CHECKED BY: RMG
NAME	DATE			

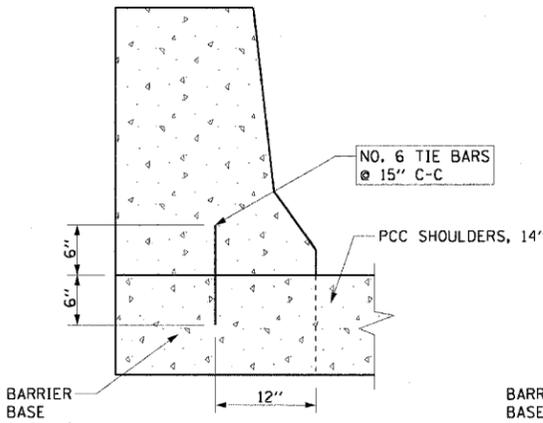
CTE | AECOM

RDT-1  
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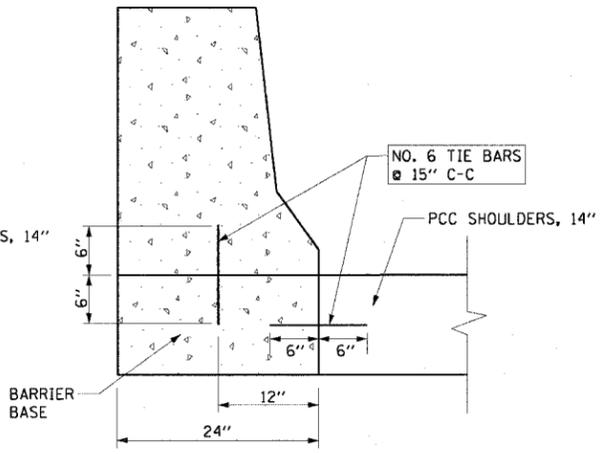
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	312	209
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
60A62		* (1919.15, 2021-922 PT1 & PT2) R-1		



CONCRETE BARRIER  
TYPICAL SECTION

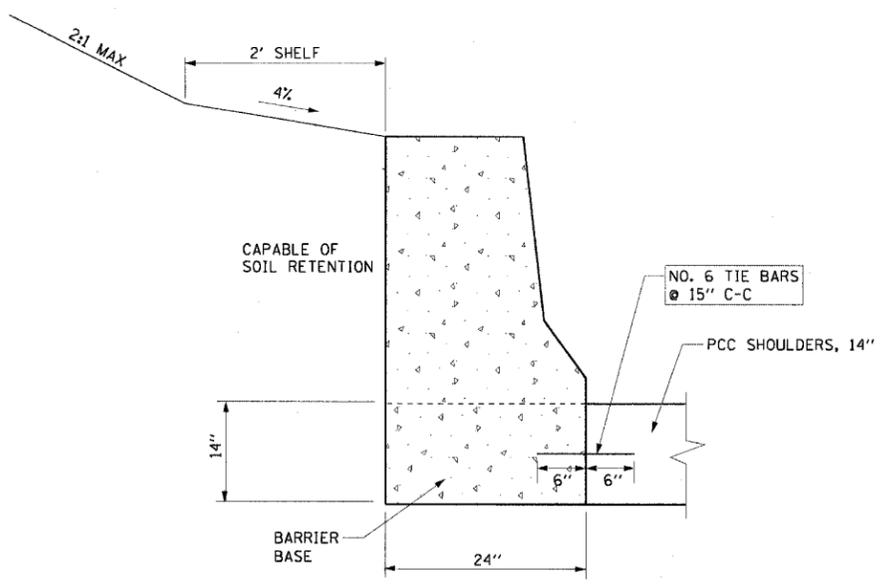


ANCHORING METHOD



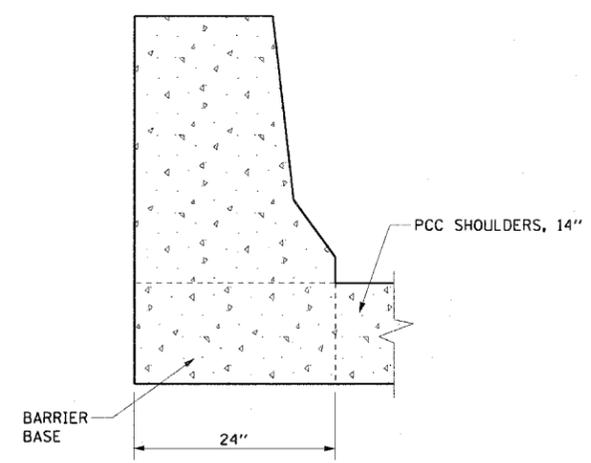
CONCRETE BARRIER ON  
INDEPENDANT FOUNDATION

- NOTE:
- TIE BARS SHALL BE EPOXY COATED AND INCLUDED IN THE COST OF CONCRETE BARRIER, SINGLE FACE, 32" HEIGHT AND BARRIER BASE.
  - THE CONTRACTOR HAS THE OPTION OF CHOOSING BETWEEN ANCHORING METHODS SHOWN ON THIS SHEET.



MONOLITHIC CONCRETE BARRIER

IF SOIL RETENTION IS USED, 14" PCC SHOULDER PAVEMENT MUST BE IN PLACE PRIOR TO BACKFILLING BARRIER WALL



CONCRETE BARRIER INTEGRAL  
WITH PCC SHOULDERS, 14"

CONCRETE BARRIER, SINGLE FACE, 32" HEIGHT

CTE | AECOM

REVISIONS		NAME	DATE
NO.	DESCRIPTION		

RDT-2

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
63RD STREET TO GARFIELD BLVD (NB LOCAL LANES)

ROADWAY DETAILS  
CONCRETE BARRIER, SINGLE FACE, 32" HEIGHT

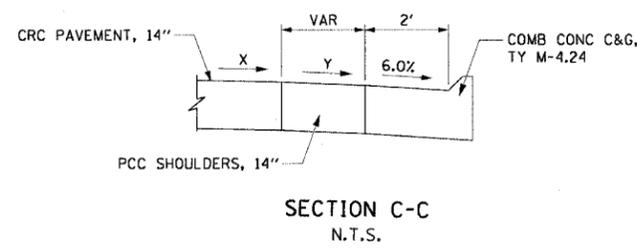
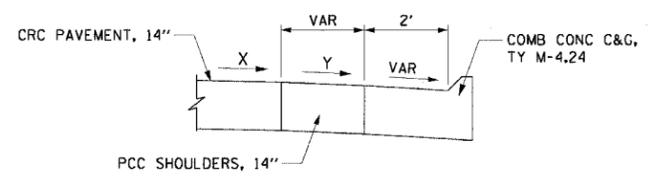
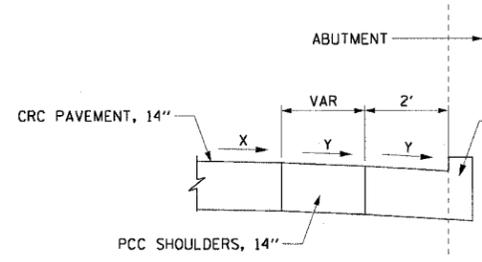
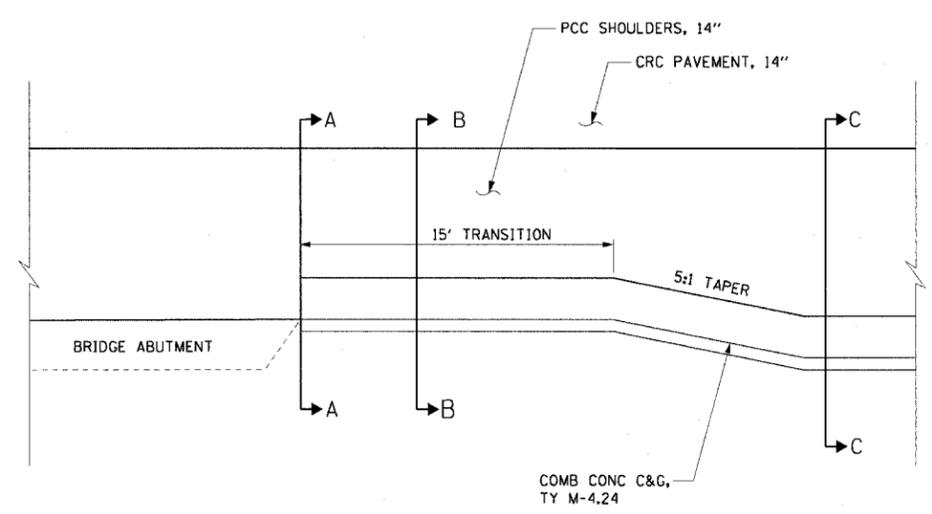
SCALE: NONE      DRAWN BY: NJH  
DATE: June 9, 2006      CHECKED BY: RMG

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	312	210
STA.		TO STA.		
60A62		• (1919.15, 2021-922 PT1 & PT2) R-1		

COMB CONC C&G, TY M-4.24 TRANSITION TO BRIDGE ABUTMENT  
N.T.S.

STA 4417+43.35  
STA 4426+45.57  
STA 4449+52.82

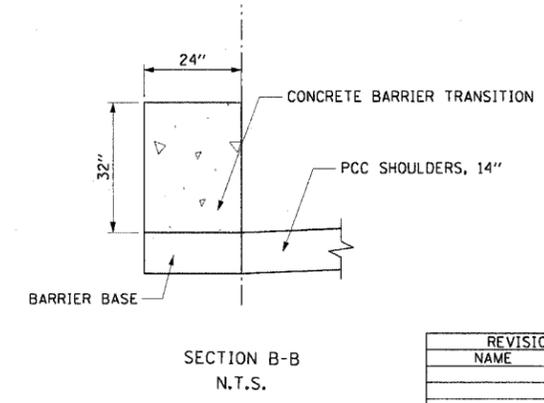
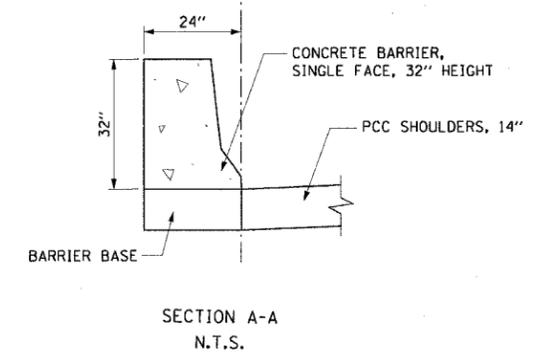
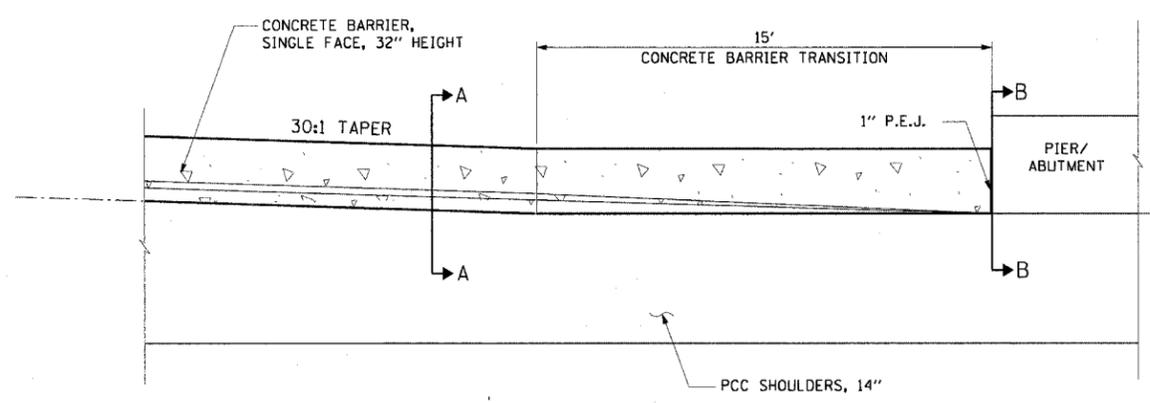


NOTE:  
THE TRANSITION SECTION SHALL BE PAID FOR AS COMB CONC C&G, TY M-4.24.

STATION	X	Y
4417+43.35	6%	6%
4426+45.57	1.5%	4%
4449+52.82	1.5%	4%

SINGLE FACE CONCRETE BARRIER TRANSITION TO PIER/ABUTMENT/RETAINING WALL  
N.T.S.

STA 6070+47.70 RT STA 4447+55.98 LT  
STA 6073+20.80 RT STA 4448+69.91 RT  
STA 4422+12.57 RT STA 4448+70.22 LT  
STA 4422+96.04 RT STA 4449+19.41 LT  
STA 4425+73.57 RT STA 4474+10.95 RT  
STA 4447+35.61 LT



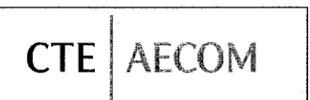
- NOTES:
1. THE 1" PREFORMED EXPANSION JOINT SHALL BE INCLUDED IN THE COST OF CONCRETE BARRIER TRANSITION.
  2. SEE RDT-2 FOR CONCRETE BARRIER, SINGLE FACE, 32" HEIGHT DETAILS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
63RD STREET TO GARFIELD BLVD (NB LOCAL LANES)

ROADWAY DETAILS  
COMB CONC C&G TRANSITION TO ABUTMENT  
SINGLE FACE CONCRETE BARRIER TRANSITION

SCALE: NONE DRAWN BY: NJH  
DATE: June 9, 2006 CHECKED BY: RMG



RDT-3

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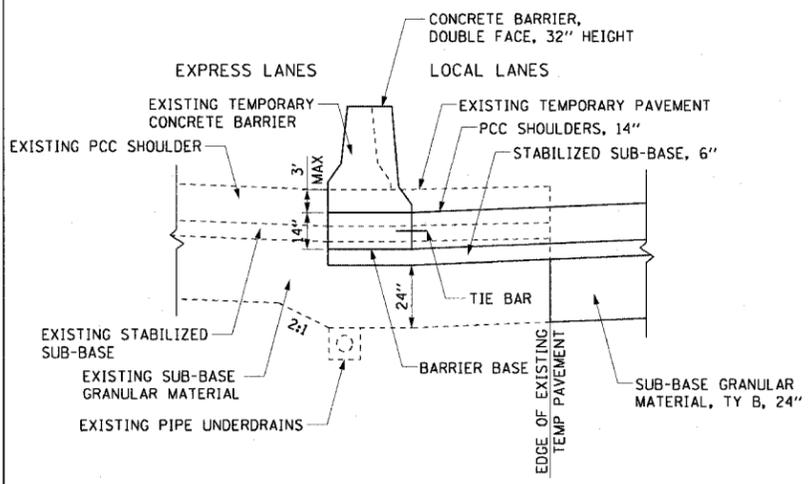




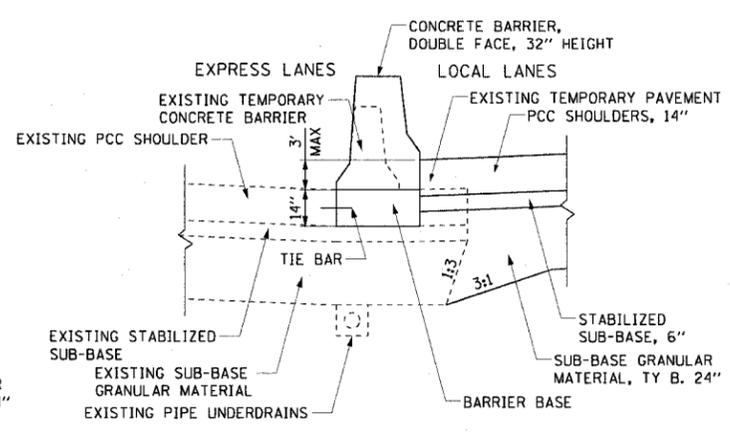


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	312	214
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
60A62		(1919.15, 2021-922 PT1 & PT2) R-1		

### CONSTRUCTION OF SUB-BASE GRANULAR MATERIAL UNDER PROPOSED DOUBLE FACE BARRIER WALL



EXISTING EXPRESS LANES HIGHER THAN PROPOSED LOCAL LANES  
N.T.S.

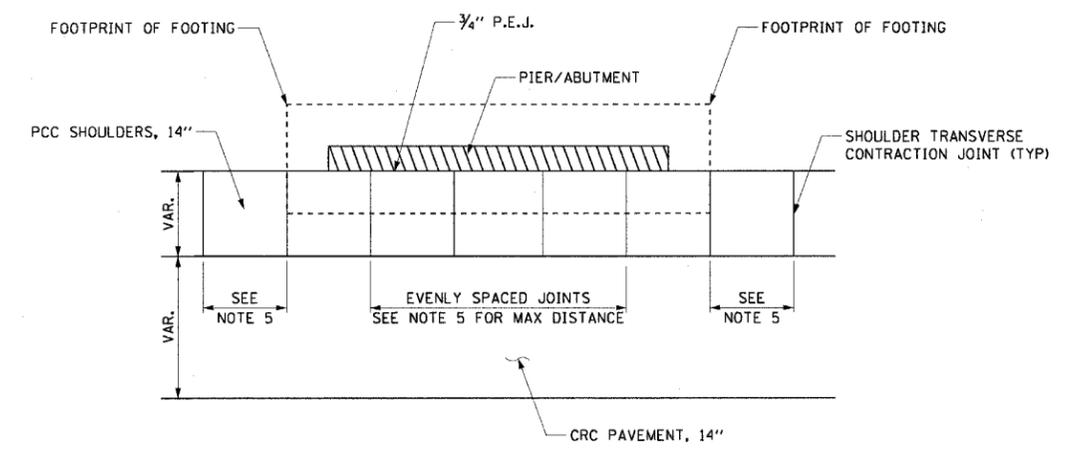


EXISTING EXPRESS LANES LOWER THAN PROPOSED LOCAL LANES  
N.T.S.

**NOTES:**

- SEE IDOT HIGHWAY STANDARD 637001 FOR DOUBLE FACE CONCRETE BARRIER DETAILS.
- THE TOE OF THE PROPOSED BARRIER WALL ALONG THE EXPRESS LANES SHOULDER SHALL MATCH THE EDGE OF THE EXISTING SHOULDER.
- SEE RDT-8 FOR DOUBLE FACE BARRIER WALL ELEVATIONS.
- PROPOSED SUB-BASE GRANULAR MATERIAL, TY B, 24" SHALL BE CONSTRUCTED BEGINNING AT THE EDGE OF THE EXISTING TEMPORARY PAVEMENT.
- IF THE BARRIER BASE IS CONSTRUCTED INDEPENDENTLY OF THE PCC SHOULDER, THE TIE BAR SHALL BE PLACED AT A DEPTH WHERE THE BAR TIES THE BARRIER BASE TO THE "LOW SIDE" PCC SHOULDER.
- TIE BARS SHALL BE NO. 6 EPOXY COATED, 12" LONG, 15" C-C AND SHALL BE INCLUDED IN THE COST OF THE BARRIER BASE.

### SHOULDER JOINTS AT PIERS AND ABUTMENTS



**NOTES:**

- CARE SHOULD BE TAKEN WHEN EXCAVATING NEAR AND AROUND EXISTING PIERS AND ABUTMENTS.
- THE CONTRACTOR SHALL VERIFY THE FOOTPRINT OF THE FOOTING DURING EXCAVATION.
- THE MINIMUM WIDTH BETWEEN SHOULDER TRANSVERSE CONTRACTION JOINTS SHOULD BE NO LESS THAN 7' C-C.
- 3/4" P.E.J. SHALL BE INCLUDED IN THE COST OF PCC SHOULDERS, 14".
- THE SPACING OF THE SHOULDER TRANSVERSE CONSTRUCTION JOINT SHALL BE 20' C-C ALONG THE INSIDE SHOULDER AND 15' C-C ALONG THE OUTSIDE SHOULDER.

CTE | AECOM

REVISIONS	
NAME	DATE

RDT-7

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
63RD STREET TO GARFIELD BLVD (NB LOCAL LANES)

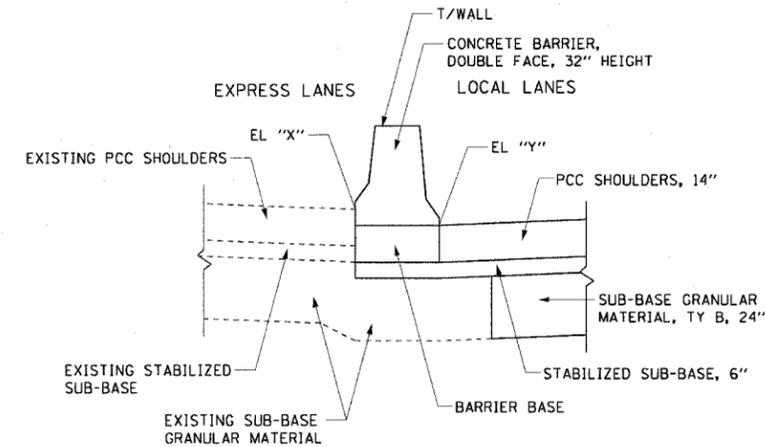
**ROADWAY DETAILS**  
**SHOULDER JOINTS AT PIER/ABUTMENTS**  
**CONSTRUCTION OF SUB-BASE GRANULAR MATERIAL**

SCALE: NONE      DRAWN BY: NJH  
DATE: June 9, 2006      CHECKED BY: RMG

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DOUBLE FACE BARRIER WALL ELEVATIONS  
N.T.S.

LOCAL LANE STATION	ELEVATION			LOCAL LANE STATION	ELEVATION			LOCAL LANE STATION	ELEVATION		
	"X"	"Y"	T/WALL		"X"	"Y"	T/WALL		"X"	"Y"	T/WALL
4417+50.00	-1.49	-0.65	2.02	4450+38.33	-2.18	-2.89	0.49	4470+00.00	1.41	1.19	4.08
4417+75.00	-1.38	-0.52	2.15	4450+50.00	-2.18	-2.92	0.49	4470+25.00	1.20	0.98	3.87
4418+00.00	-1.27	-0.39	2.28	4450+75.00	-2.17	-2.91	0.50	4470+50.00	0.97	0.75	3.64
4418+25.00	-1.16	-0.26	2.41	4451+00.00	-2.11	-2.82	0.56	4470+75.00	0.73	0.50	3.40
4418+50.00	-1.01	-0.13	2.54	4451+25.00	-2.01	-2.67	0.66	4471+00.00	0.47	0.23	3.14
4418+75.00	-0.87	0.00	2.67	4451+50.00	-1.87	-2.49	0.80	4471+25.00	0.22	-0.07	2.89
4419+00.00	-0.72	0.14	2.81	4451+75.00	-1.68	-2.27	0.99	4471+50.00	-0.03	-0.37	2.64
4419+25.00	-0.57	0.27	2.94	4452+00.00	-1.46	-2.01	1.21	4471+75.00	-0.28	-0.68	2.39
4419+50.00	-0.42	0.40	3.07	4452+25.00	-1.21	-1.74	1.46	4472+00.00	-0.53	-0.98	2.14
4419+75.00	-0.28	0.53	3.20	4452+50.00	-0.98	-1.48	1.69	4472+25.00	-0.79	-1.26	1.88
4420+00.00	-0.13	0.66	3.33	4452+75.00	-0.76	-1.22	1.91	4472+50.00	-1.03	-1.51	1.64
4420+25.00	0.13	0.79	3.46	4453+00.00	-0.57	-0.99	2.10	4472+75.00	-1.23	-1.72	1.44
4420+50.00	0.49	0.92	3.59	4453+25.00	-0.39	-0.77	2.28	4473+00.00	-1.39	-1.89	1.28
4420+75.00	0.83	1.06	3.73	4453+50.00	-0.23	-0.57	2.44	4473+25.00	-1.51	-2.02	1.16
4421+00.00	1.19	1.19	3.86	4453+75.00	-0.09	-0.41	2.58	4473+50.00	-1.59	-2.12	1.08
4421+25.00	1.56	1.32	4.22	4454+00.00	0.03	-0.26	2.70	4473+75.00	-1.62	-2.17	1.05
4421+50.00	1.86	1.45	4.52	4454+25.00	0.14	-0.13	2.81	4474+00.00	-1.60	-2.16	1.07
4421+75.00	2.13	1.52	4.80	4454+50.00	0.22	-0.03	2.89				
4422+00.00	2.43	1.59	5.09	4454+75.00	0.28	0.05	2.95				
4422+25.00	63RD ST BRIDGE PIER			4455+00.00	0.33	0.11	3.00				
4422+50.00	63RD ST BRIDGE PIER			4455+25.00	0.40	0.15	3.06				
4422+75.00	63RD ST BRIDGE PIER			4455+50.00	0.43	0.17	3.10				
4423+00.00	3.62	2.03	6.28	4455+75.00	0.40	0.16	3.06				
4423+25.00	3.88	2.17	6.55	4456+00.00	0.33	0.14	3.00				
4423+50.00	4.12	2.30	6.79	4456+25.00	0.28	0.09	2.95				
4423+75.00	4.29	2.43	6.96	4456+50.00	0.21	0.03	2.88				
4424+00.00	4.44	2.56	7.10	4456+75.00	0.12	-0.06	2.79				
4424+25.00	4.56	2.70	7.23	4457+00.00	0.02	-0.16	2.69				
4424+50.00	4.65	2.83	7.32	4457+25.00	-0.10	-0.29	2.57				
4424+75.00	4.63	2.96	7.29	4457+50.00	-0.25	-0.44	2.42				
4425+00.00	4.57	3.09	7.24	4457+75.00	-0.41	-0.61	2.26				
4425+25.00	4.52	3.21	7.18	4458+00.00	-0.59	-0.80	2.08				
4425+50.00	4.43	3.32	7.10	4458+25.00	-0.79	-1.01	1.88				
4425+75.00	4.33	3.38	7.00	4458+50.00	-1.01	-1.25	1.66				
4426+00.00	4.22	3.43	6.88	4458+75.00	-1.25	-1.50	1.42				
4426+25.00	CONRAIL BRIDGE PIER			4459+00.00	-1.49	-1.75	1.18				
4426+50.00	CONRAIL BRIDGE PIER			4459+25.00	-1.70	-2.00	0.97				
4426+75.00	CONRAIL BRIDGE PIER			4459+50.00	-1.87	-2.24	0.80				
4427+00.00	3.74	3.25	6.40	4459+75.00	-2.00	-2.43	0.67				
4427+25.00	3.61	3.12	6.27	4460+00.00	-2.08	-2.59	0.59				
4427+50.00	3.46	2.98	6.13	4460+25.00	-2.13	-2.71	0.54				
4427+75.00	3.33	2.85	6.00	4460+50.00	-2.13	-2.78	0.54				
4428+00.00	3.19	2.72	5.85	4460+75.00	-2.09	-2.81	0.58				
4428+25.00	3.07	2.57	5.73	4461+00.00	-2.01	-2.79	0.66				
4428+50.00	2.94	2.42	5.61	4461+25.00	EX SIGN FOUNDATION						
4428+75.00	2.82	2.27	5.49	4461+50.00	EX SIGN FOUNDATION						
4429+00.00	2.70	2.12	5.36	4461+75.00	EX SIGN FOUNDATION						
4429+25.00	2.58	1.97	5.25	4462+00.00	-1.27	-2.31	1.40				
4429+50.00	2.45	1.82	5.12	4462+25.00	57th ST BRIDGE						
4429+75.00	2.34	1.67	5.00	4462+50.00	57th ST BRIDGE						
4430+00.00	2.21	1.52	4.88	4462+75.00	57th ST BRIDGE						
4430+25.00	2.09	1.37	4.76	4463+00.00	-0.27	-1.24	2.40				
4430+50.00	1.97	1.22	4.63	4463+25.00	-0.02	-0.95	2.65				
4430+75.00	1.85	1.07	4.52	4463+50.00	0.23	-0.66	2.90				
4431+00.00	1.72	0.92	4.39	4463+75.00	0.48	-0.37	3.15				
4431+25.00	1.59	0.77	4.26	4464+00.00	0.73	-0.08	3.40				
4431+50.00	1.47	0.62	4.14	4464+25.00	0.98	0.20	3.65				
4431+75.00	1.34	0.47	4.01	4464+50.00	1.20	0.48	3.87				
4432+00.00	1.22	0.32	3.89	4464+75.00	1.41	0.73	4.08				
4432+25.00	1.08	0.17	3.75	4465+00.00	1.60	0.96	4.27				
4432+50.00	0.96	0.02	3.62	4465+25.00	1.77	1.18	4.44				
4432+75.00	0.82	-0.13	3.48	4465+50.00	1.93	1.37	4.60				
4433+00.00	0.69	-0.28	3.35	4465+75.00	2.06	1.53	4.73				
4433+25.00	0.54	-0.43	3.21	4466+00.00	2.17	1.68	4.84				
4433+50.00	0.41	-0.58	3.07	4466+25.00	2.27	1.81	4.94				
4433+75.00	0.26	-0.73	2.93	4466+50.00	2.34	1.92	5.01				
4434+00.00	0.12	-0.88	2.79	4466+75.00	2.40	2.00	5.07				
4434+25.00	-0.03	-1.03	2.64	4467+00.00	2.44	2.06	5.11				
4434+50.00	-0.17	-1.18	2.50	4467+25.00	2.46	2.11	5.13				
4434+75.00	-0.32	-1.33	2.35	4467+50.00	2.46	2.13	5.13				
4435+00.00	-0.47	-1.48	2.20	4467+75.00	2.44	2.13	5.11				
4435+25.00	-0.62	-1.63	2.04	4468+00.00	2.40	2.11	5.07				
4435+50.00	-0.78	-1.78	1.88	4468+25.00	2.34	2.07	5.01				
4435+75.00	-0.92	-1.95	1.75	4468+50.00	2.27	2.01	4.94				
4436+00.00	-1.05	-2.10	1.62	4468+75.00	2.17	1.92	4.84				
4436+25.00	-1.17	-2.23	1.50	4469+00.00	2.06	1.82	4.73				
4436+45.84	-1.27	-2.31	1.40	4469+25.00	1.92	1.69	4.59				
				4469+50.00	1.77	1.55	4.44				
				4469+75.00	1.60	1.38	4.27				



NOTES:

- SEE IDOT HIGHWAY STANDARD 637001 FOR DOUBLE FACE CONCRETE BARRIER DETAILS.
- THE EDGE OF THE BARRIER WALL ALONG THE EXPRESS LANES SHOULDER SHALL MATCH THE EXISTING SHOULDER.
- ELEVATIONS ARE TAKEN AT THE TOE OF THE DOUBLE FACE BARRIER WALL.

REVISIONS	
NAME	DATE

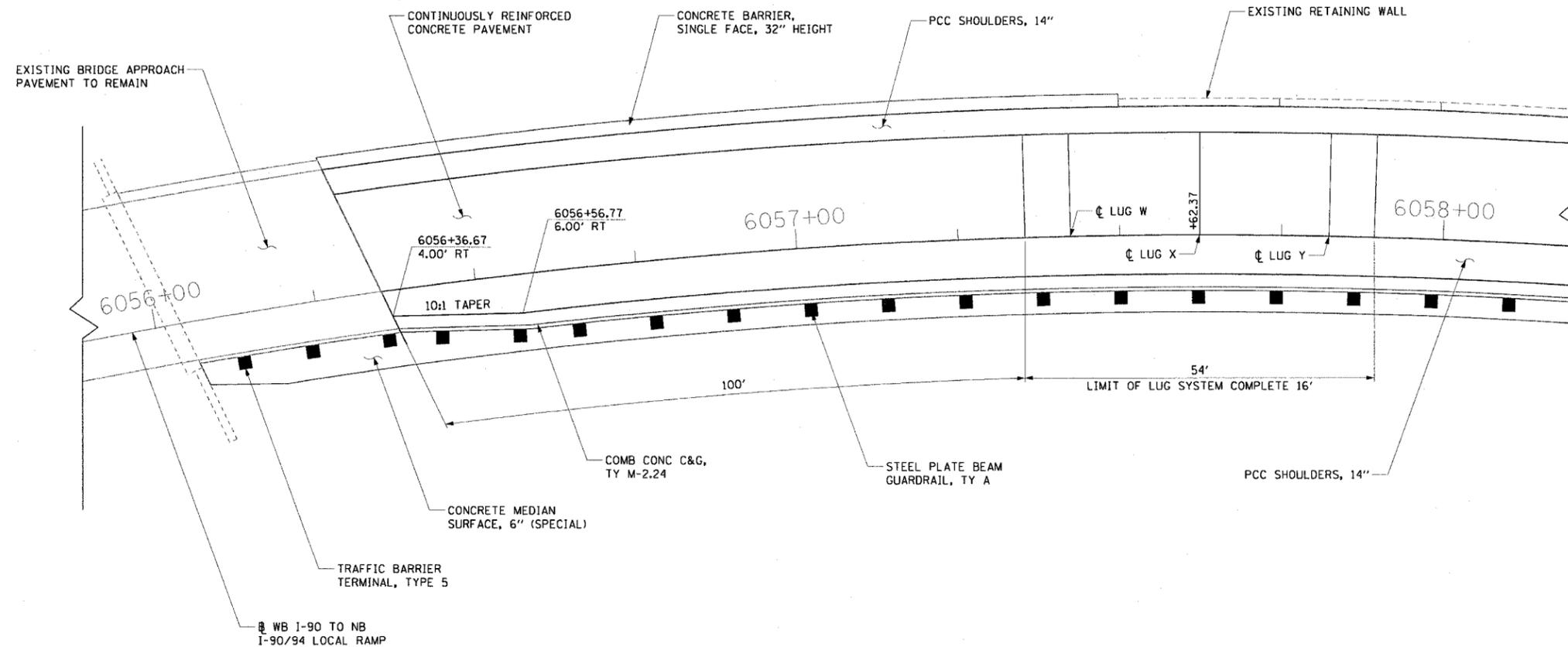
ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
63RD STREET TO GARFIELD BLVD (NB LOCAL LANES)  
ROADWAY DETAILS  
DOUBLE FACE BARRIER WALL ELEVATIONS

SCALE: NONE  
DATE: June 9, 2006

DRAWN BY: NJH  
CHECKED BY: RMC

F.A.I. RTE. 90/94	SECTION *	COUNTY COOK	TOTAL SHEETS 312	SHEET NO. 216
STA. 60A62		TO STA. * (1919.15, 2021-922 PT1 & PT2) R-1		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

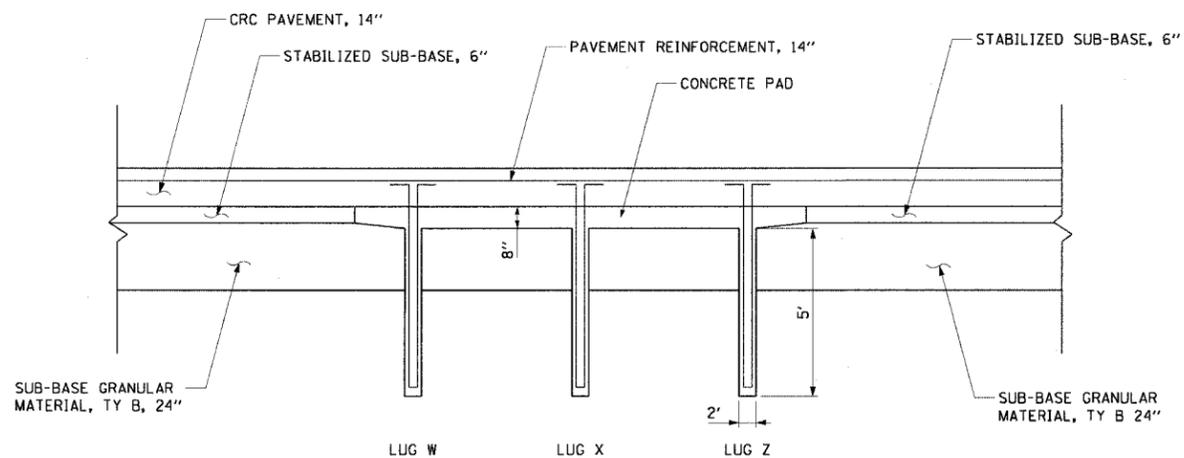
LUG SYSTEM COMPLETE 16' DETAILS



MATERIALS REQUIRED FOR ONE LUG SYSTEM COMPLETE 16' (EXCLUDING PAVEMENT CONCRETE AND PAVEMENT REINFORCEMENT)				
BAR	QTY	SIZE	LENGTH	SHAPE
a	90	#8	16'-0"	
b	18	#5	16'-9"	
c	90	#5	20'-0"	
d	14	#4	15'-6"	
CONCRETE	17.78 CU YDS			
REINFORCING BARS	6,182 LBS			
CONCRETE PAD	96 SQ YDS			

NOTES:

- SEE RDT-1 FOR CRC PAVEMENT REINFORCEMENT DETAILS.
- LUG SYSTEM COMPLETE 16' IS SIMILAR TO IDOT HIGHWAY STANDARD 421201 - (24') CRC PAVEMENT (WITH LUG SYSTEM). SEE STANDARD 421201 FOR LAYOUT OF REINFORCING BARS.
- 30 a BARS & 30 c BARS SHALL BE SPACED AT 6 1/4 CENTERS.
- CONCRETE PAD INCLUDED IN THE COST OF LUG SYSTEM COMPLETE 16'.



PROPOSED LUG SYSTEM  
N.T.S.

CTE | AECOM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
63RD STREET TO GARFIELD BLVD (NB LOCAL LANES)

**ROADWAY DETAILS  
LUG SYSTEM COMPLETE 16'**

SCALE: 1"=10'  
DATE: June 9, 2006

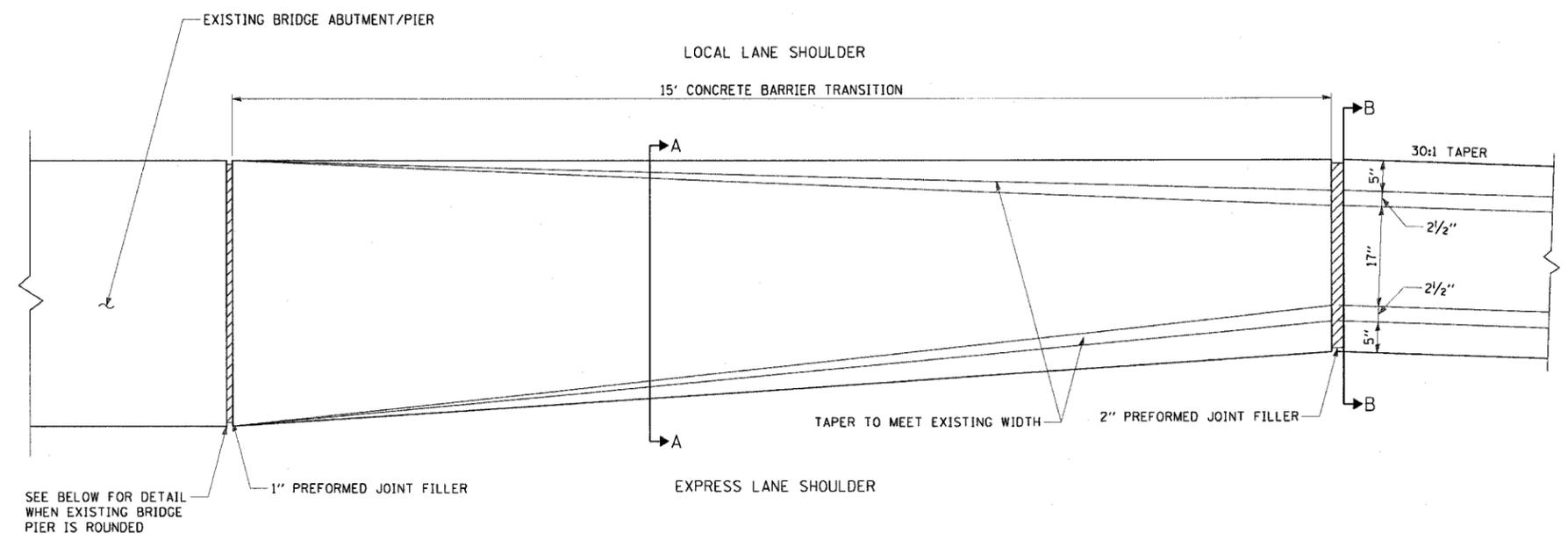
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CHECKED BY: RMG

RDT-9

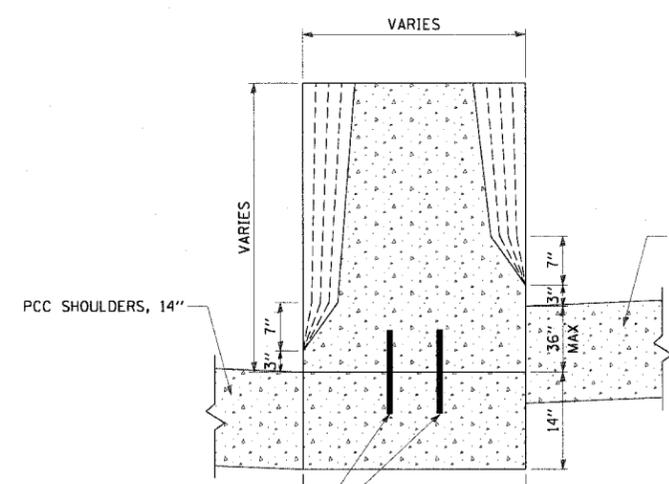
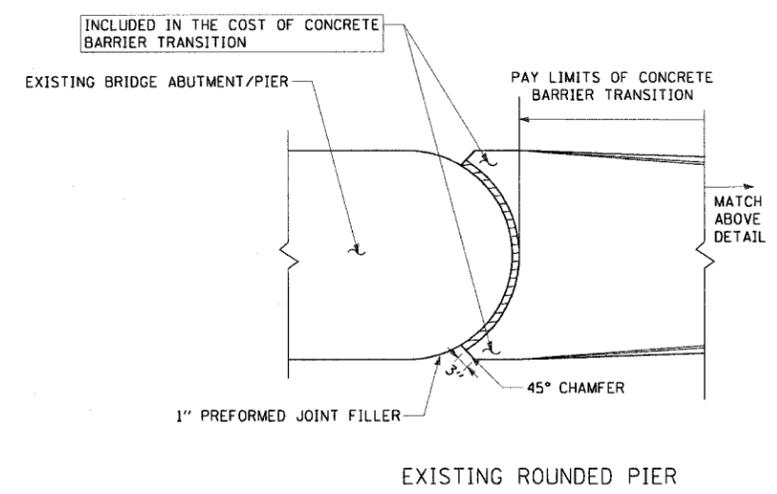
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	312	217
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
60A62	• (1919.15, 2021-922 PT1 & PT2) R-1			

DOUBLE FACE CONCRETE BARRIER TRANSITION  
N.T.S.

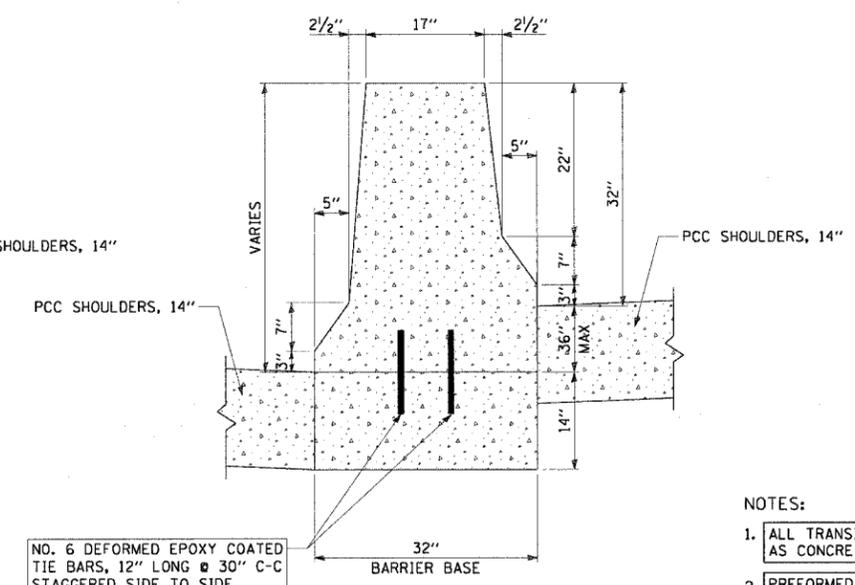


SEE BELOW FOR DETAIL WHEN EXISTING BRIDGE PIER IS ROUNDED



NO. 6 DEFORMED EPOXY COATED TIE BARS, 12" LONG @ 30" C-C STAGGERED SIDE TO SIDE (INCLUDED IN THE COST OF BARRIER WALL)

SECTION A-A



NO. 6 DEFORMED EPOXY COATED TIE BARS, 12" LONG @ 30" C-C STAGGERED SIDE TO SIDE (INCLUDED IN THE COST OF BARRIER WALL)

SECTION B-B

NOTES:

- ALL TRANSITIONS SHALL BE PAID FOR AS CONCRETE BARRIER TRANSITION
- PREFORMED JOINT FILLER SHALL BE INCLUDED IN THE COST OF THE CONCRETE BARRIER TRANSITION.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
63RD STREET TO GARFIELD BLVD (NB LOCAL LANES)

ROADWAY DETAILS  
DOUBLE FACE CONCRETE BARRIER TRANSITION

SCALE: NONE  
DATE: June 9, 2006

DRAWN BY: NJH  
CHECKED BY: RMG



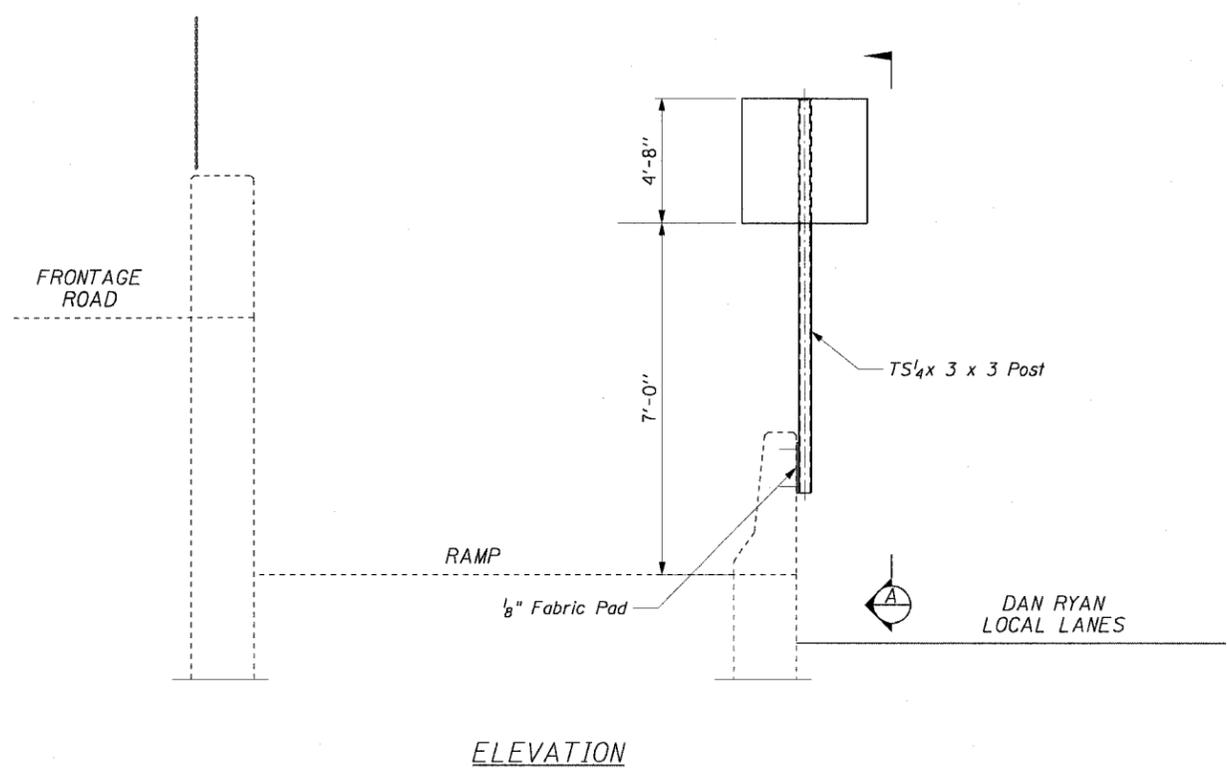
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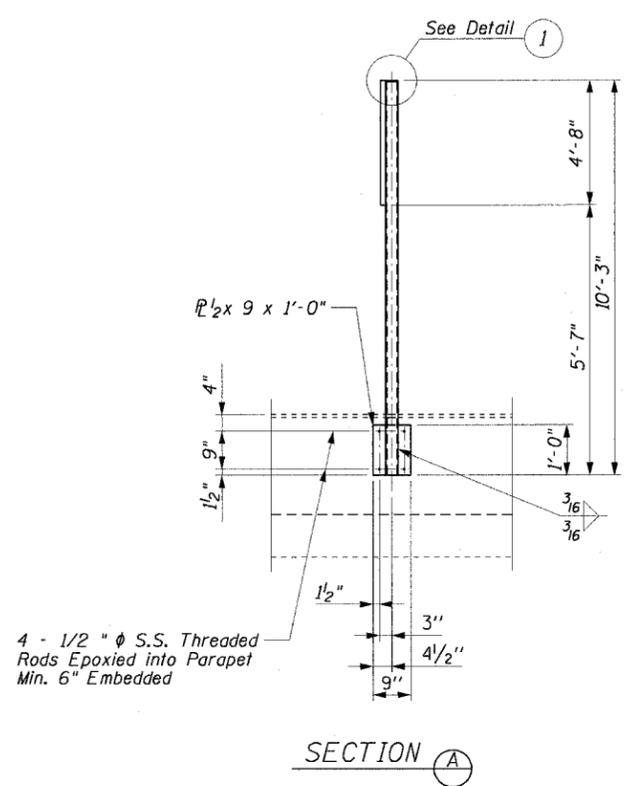
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90/94		COOK	312	218
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
60A62		• (1919.15, 2021-922 PT1 & PT2) R-1		

EXISTING BARRIER WALL SIGN POST MOUNTING DETAILS

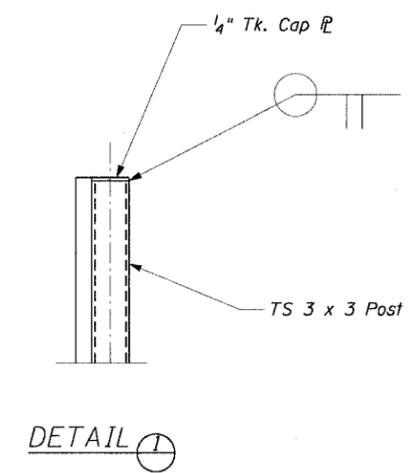
PS05-02  
PS06-03



ELEVATION



SECTION A



DETAIL 1

4 - 1/2"  $\phi$  S.S. Threaded Rods Epoxied into Parapet Min. 6" Embedded

NOTE

When drilling and epoxy grouting the anchor rods, the Contractor shall use the capsule or the adhesive cartridge type anchor rods that have been previously tested and given a prior approval by IDOT. The Contractor shall install these anchor rods in pre-drilled holes according to the manufacturer's recommendations and procedures. The capsule or the adhesive cartridge shall be sealed with pre-measured amounts of the adhesive chemical. This associated materials and work performed shall be included in the cost of Base For Telescoping Steel Sign Support.

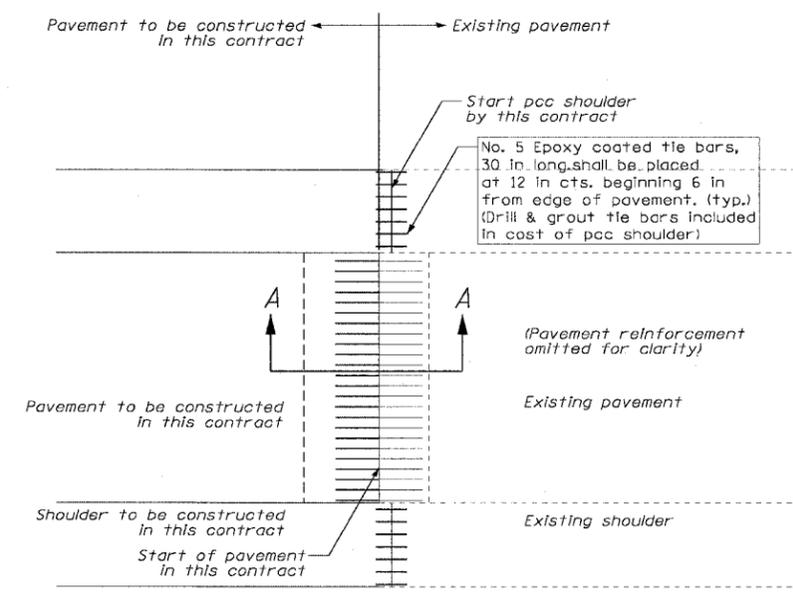
CTE | AECOM

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. 90/94 (DAN RYAN EXPRESSWAY) 63RD STREET TO GARFIELD BLVD (NB LOCAL LANES)	RDT-11
NAME	DATE		
		<b>ROADWAY DETAILS</b> <b>EXISTING BARRIER WALL</b> <b>SIGN POST MOUNTING DETAILS</b>	SCALE: NONE DATE: June 9, 2006 DRAWN BY: DS CHECKED BY: SWANG

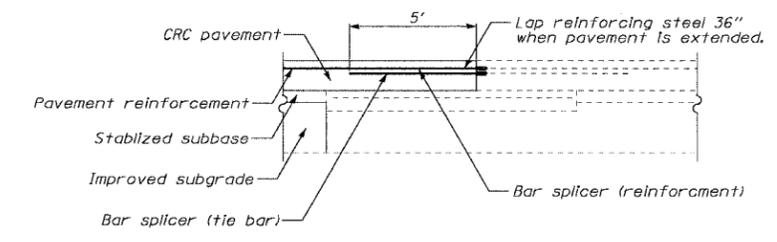
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	312	220
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
60A62		* (1919.15, 2021-922 PT1 & PT2) R-1		



**PLAN**  
(CONNECTION TO EXISTING LONG TERM TRANSVERSE CONSTRUCTION JOINT)



**LONG TERM TRANSVERSE CONSTRUCTION JOINT SECTION A-A**

**NOTES**

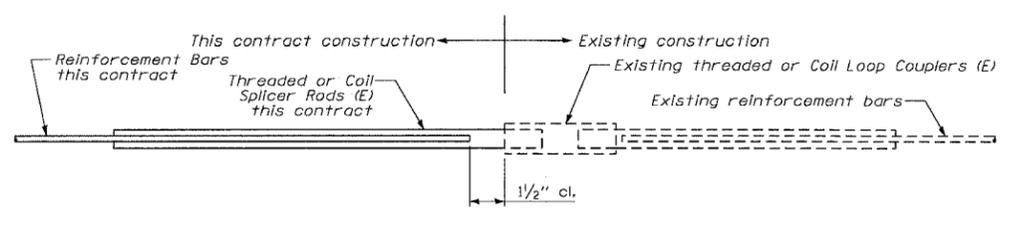
- This detail shows connection of proposed CRC pavement to existing pavement at an existing long term transverse construction joint.
  - Bar splicer assemblies shall be of an IDOT approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.
  - Bar splicers shall be of the "coupler" type, and shall not have flanges.
  - Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length.
  - All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars.
  - Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars.
  - Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:
    - Minimum Capacity (Tension in ksi) =  $1.25 \times f_y \times A(t)$
    - Minimum \*Pull-out Strength (Tension in ksi) =  $1.25 \times f_s \text{ (allow)} \times A(t)$
- Where:  
 $f_y$  = Yield strength of lapped reinforcement bars in ksi.  
 $f_s \text{ (allow)}$  = Allowable tensile stress in lapped reinforcement bars in ksi (Service Load)  
 $A(t)$  = Tensile stress area of lapped reinforcement bars (in<sup>2</sup>).  
 \* = 28 day concrete

Bar Size To be Spliced	Splicer Rod or Dowel Bar Length	STRENGTH REQUIREMENTS	
		Min. Capacity (kips) tension	Min. Pull-Out Strength (kips) tension
#5	2'-0"	23.0	9.2
#6	2'-7"	33.1	13.3
#7	3'-5"	45.1	18.0
#8	4'-6"	58.9	23.6
#9	5'-9"	75.0	30.0

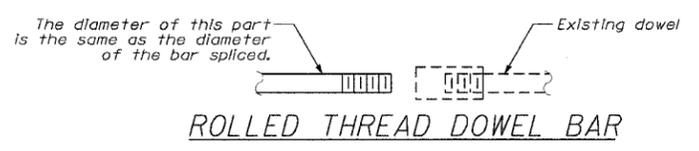
- Bar splicer assemblies shall be according to Section 508 of the Standard Specifications, except as noted.
- Reinforcement shall not be paid for separately but included in the cost of PAVEMENT REINFORCEMENT, 14".
- Connection to long term transverse construction joint work includes the installation of the bar splicers. Payment for this work will be included in the cost of CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT, 14".
- Tie bars to be drilled and grouted shall not be paid for separately but included in the cost of PORTLAND CEMENT CONCRETE SHOULDERS, 14".

**GENERAL NOTES**

- See Standard 421001 for details of CRC pavement reinforcement.
- See Standards 420001 and 420401 for details of joints and tie bars not shown.
- See Standard 483001 for pcc shoulder details



**BAR SPLICER ASSEMBLY DETAIL**  
(E) : Indicates epoxy coating.



**ROLLED THREAD DOWEL BAR**



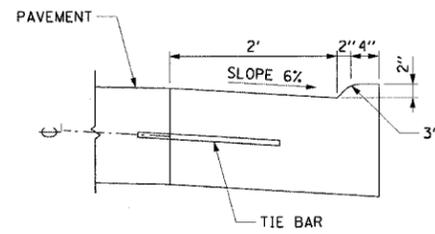
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. 90/94 (DAN RYAN EXPRESSWAY) 63RD STREET TO GARFIELD BLVD (NB LOCAL LANES)
NAME	DATE	
		ROADWAY DETAILS CONNECTION TO EXISTING LONG TERM TRANSVERSE CONSTRUCTION JOINT
		SCALE: NONE
		DATE: June 9, 2006
		DRAWN BY: TAJ
		CHECKED BY: PJM

RD-13

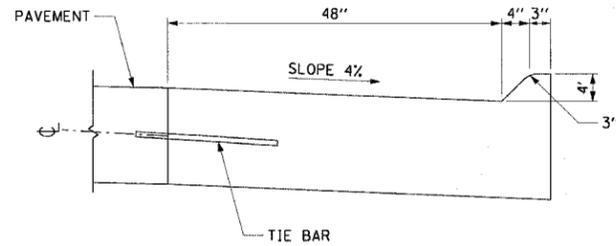
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	312	221
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
60A62	(1919.15, 2021-922 PT1 & PT2) R-1			

COMB CONC C&G, TY M-2.24 AND M-4.48 (MOD) DETAILS  
N.T.S.



TY M-2.24



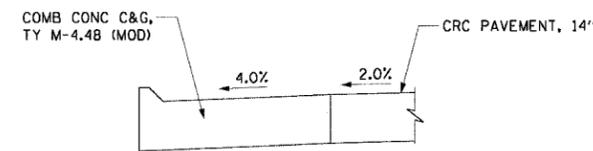
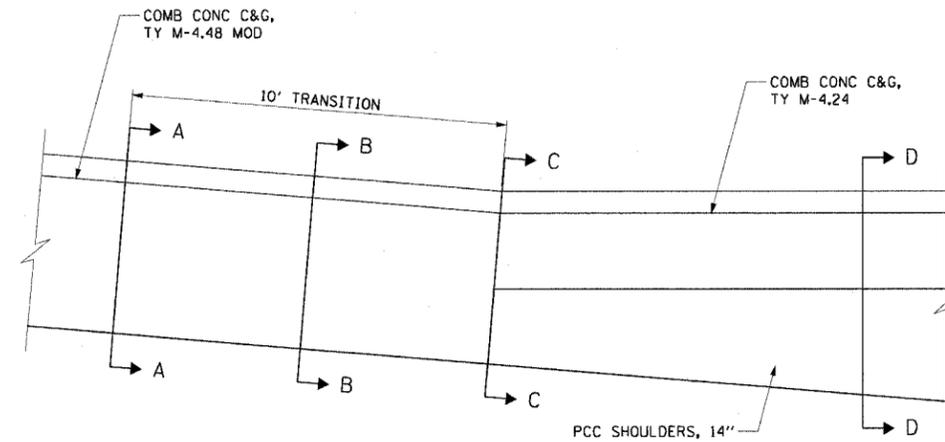
TY M-4.48 (MODIFIED)

NOTES:

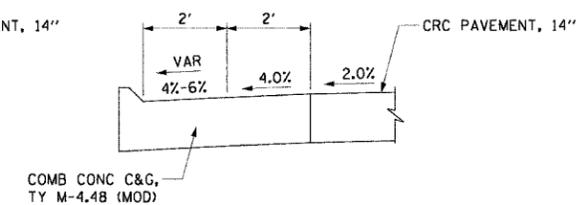
- CONTRACTOR SHALL FOLLOW IDOT HIGHWAY STANDARD 606001 FOR GENERAL NOTES AND PROCEDURES
- TIE BARS SHALL BE INCLUDED IN THE COST OF COMB CONC C&G, TY M-2.24 & TY M-4.48 (MOD).
- FOR THE TY M-2.24 C&G, THE TIE BARS SHALL BE NO. 6 DEFORMED EPOXY, 24" LONG AT 24" C-C.
- FOR THE TY M-4.48 (MOD) C&G, THE TIE BARS SHALL BE NO. 8 DEFORMED EPOXY, 30" LONG AT 24" C-C.

C&G TY M-4.48 (MOD) TRANSITION TO C&G TY M-4.24  
N.T.S.

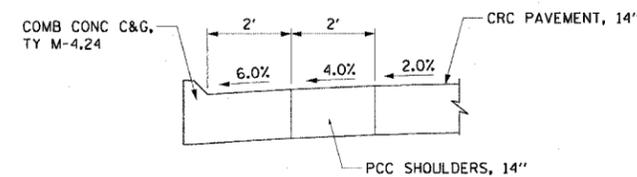
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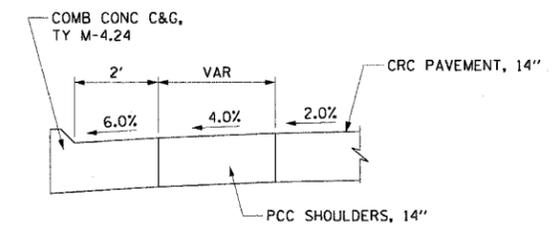
SECTION A-A  
N.T.S.



SECTION B-B  
N.T.S.



SECTION C-C  
N.T.S.



SECTION D-D  
N.T.S.

NOTES:

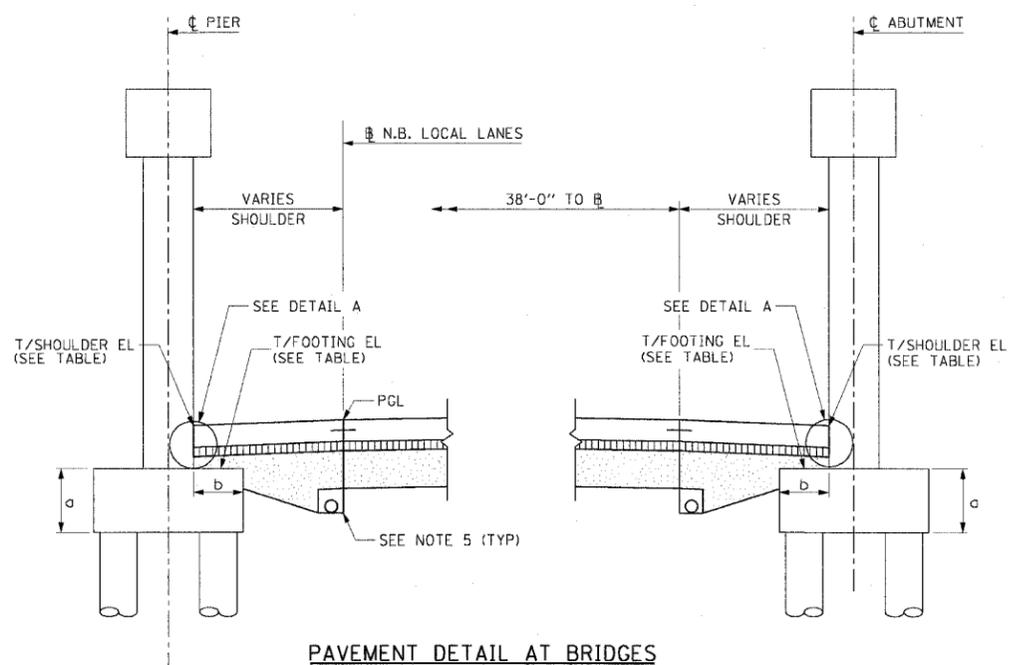
- THE TRANSITION SECTION SHALL BE PAID FOR AS COMB CONC C&G, TY M-4.48 (MOD)
- SEE RDT-14 FOR COMB CONC C&G, TY M-4.48 (MOD) DETAILS.

REVISIONS	
NAME	DATE

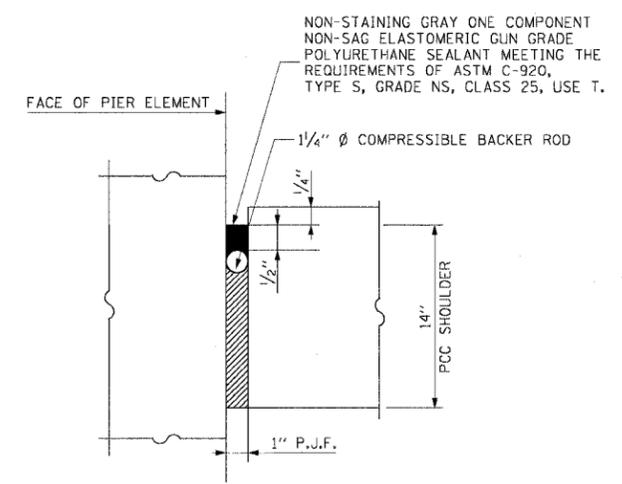
ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
63RD STREET TO GARFIELD BLVD (NB LOCAL LANES)  
**ROADWAY DETAILS**  
MOUNTABLE CURB & GUTTER DETAILS  
TY M-4.48 (MOD) TO TY M-4.24 TRANSITION  
SCALE: NONE  
DATE: June 9, 2006  
DRAWN BY: NJH  
CHECKED BY: RMG

RDT-14

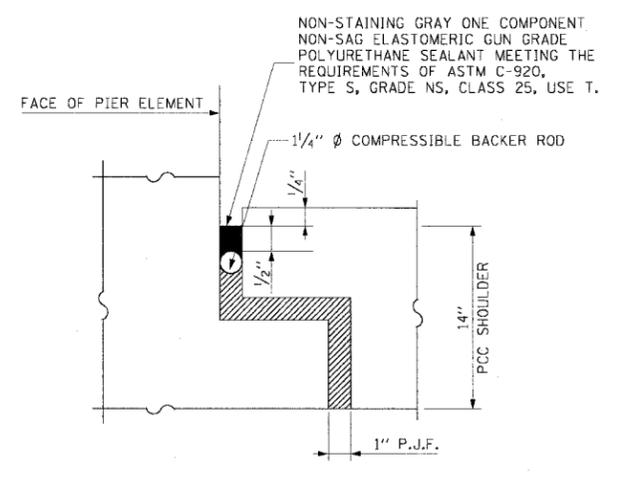
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LOCATION	PIER	T/FOOTING EL	FOOTING THICKNESS "a" (FT)	TOE WIDTH "b" (FT)	T/SOULDER EL	
					MAX	MIN
ROCK ISLAND R.R.	N. ABUT.	-8.69	4.00	6.50	0.81	-1.36
WENTWORTH AVE	N. ABUT.	-4.39	3.00	7.50	-3.13	-4.05
63RD ST	4	0.00	2.00	1.96	2.30	1.30
	E. ABUT.	-1.00	2.50	5.50	1.13	-0.08
CONRAIL R.R.	2	0.75	4.50	4.75	3.92	3.37
	1	0.75	4.50	4.75	3.76	3.70
59TH ST	4	-4.00	2.00	1.75	-1.17	-2.54
	E. ABUT.	-4.00	2.00	3.00	-1.51	-2.41
57TH ST	4	-6.00	1.50	2.25	-0.54	-2.19
	E. ABUT.	-6.00	2.50	6.13	-1.34	-2.32
55TH ST (SOUTH BRIDGE)	4	-3.00	2.00	2.50	-1.32	-2.15
	E. ABUT.	-3.12	2.00	3.50	-1.64	-1.84



**DETAIL A**  
COST OF P.J.F., BACKER ROD AND SEALANT INCLUDED WITH PCC SHOULDER



**DETAIL B**  
COST OF P.J.F., BACKER ROD AND SEALANT INCLUDED WITH PCC SHOULDER

**LEGEND:**

STABILIZED SUB-BASE 6"

SUB-BASE GRANULAR MATERIAL, TY B 24"

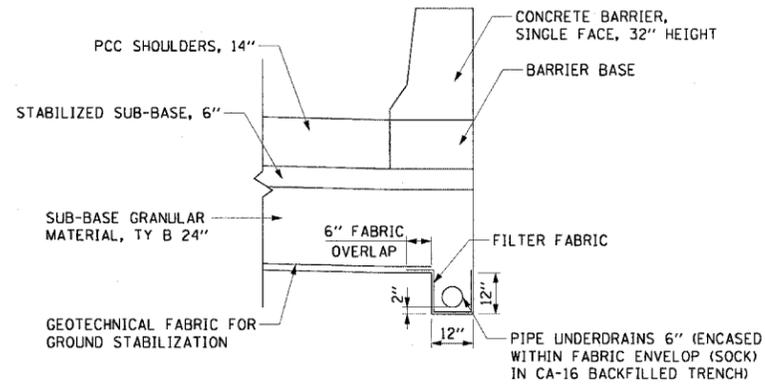
- NOTES:**
- SEE TYPICAL SECTIONS FOR COMPOSITION OF EXISTING AND PROPOSED PAVEMENT.
  - ALL VIEWS LOOKING NORTH.
  - CONTRACTOR SHALL USE CAUTION DURING PAVEMENT REMOVAL AND EXCAVATION OPERATIONS AROUND EXISTING OVERHEAD BRIDGE FOUNDATION.
  - PROVIDE 10 MIL POLYETHYLENE BOND BRAKER AND POUR SHOULDER PAVEMENT DIRECTLY ON PIER FOOTING.
  - SEE DRAINAGE AND UTILITY SHEETS FOR LOCATION OF PIPE UNDERDRAINS 6".
  - SEE DETAIL B WHEN PCC SHOULDER IS LOCATED WITHIN THE FOOTING.
  - THE ADDITIONAL DEPTH OF AGGREGATE SUBGRADE UNDER THE SHOULDER SHALL BE INCLUDED IN THE COST OF SUB-BASE GRANULAR MATERIAL, TY B, 24".

REVISIONS	
NAME	DATE

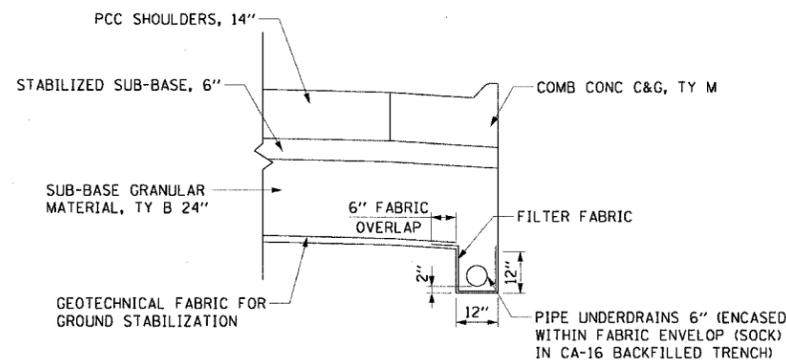
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	312	223
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
60A62		* (19)9.15, 2021-922 PT1 & PT2) R-1		

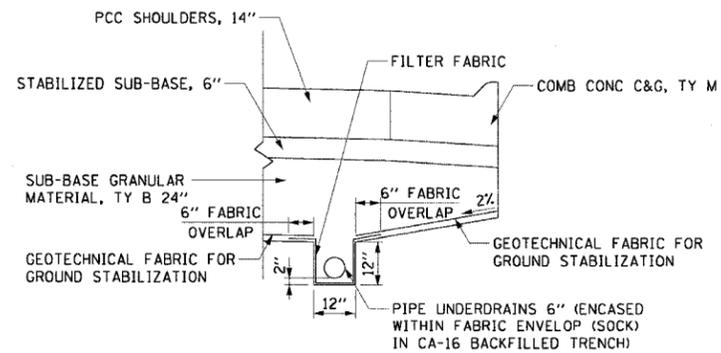
PIPER UNDERDRAINS 6"  
N.T.S.



PIPE UNDERDRAINS 6"  
LOCATED UNDER SINGLE FACE BARRIER WALL



PIPE UNDERDRAINS 6"  
LOCATED UNDER COMB CONC C&G



PIPE UNDERDRAINS 6"  
NOT LOCATED AT BACK OF CURB OR BARRIER WALL

NOTES:

1. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION SHALL BE PLACED SUCH THAT IT EXTENDS TO THE EDGE OF THE TRENCH AND OVERLAPS THE FILTER FABRIC BY A MINIMUM OF 6". AT NO TIME SHALL THE GEOTECHNICAL FABRIC FOR GROUND STABILIZATION BE OVER OR COVER THE UNDERDRAIN TRENCH.
2. NO CONSTRUCTION TRAFFIC SHALL BE ALLOWED ON THE TRENCH UNTIL A MINIMUM OF 12" OF COMPACTED SUB-BASE IS PROVIDED.
3. THE PIPE UNDERDRAIN TRENCH SHALL BE LINED WITH FILTER FABRIC ON THE BOTTOM AND SIDES OF THE TRENCH. THE TOP OF THE TRENCH MUST NOT BE COVERED WITH ANY FABRIC.
4. FILTER FABRIC, FABRIC ENVELOPE, AND CA-16 AGGREGATE ARE INCLUDED IN THE UNIT COST OF PIPE UNDERDRAIN, 6".
5. CONTRACTOR SHALL FLUSH PIPE UNDERDRAIN WITH WATER TO INSURE UNDERDRAIN IS FUNCTIONING PROPERLY PRIOR TO THE PLACEMENT OF STABILIZED SUB-BASE. PRIOR TO COMMENCING THIS WORK, THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH HIS APPROACH AND METHODS FOR COMPLETING THIS WORK, FOR THE ENGINEER'S REVIEW AND APPROVAL. THE COST OF FLUSHING THE PIPE IS INCLUDED IN THE UNIT COST OF PIPE UNDERDRAIN, 6".

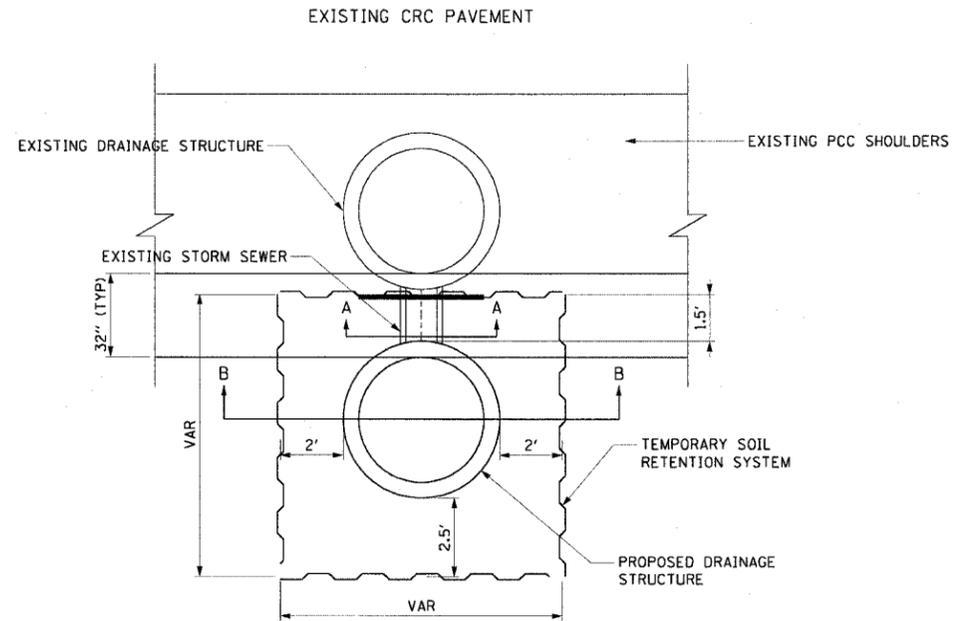
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
63RD STREET TO GARFIELD BLVD (NB LOCAL LANES)

DRAINAGE DETAILS  
PIPE UNDERDRAINS 6"

SCALE: NONE  
DATE: June 9, 2006  
DRAWN BY: RMG  
CHECKED BY: XXX

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	312	224
STA.		TO STA.		
60A62		• (1919.15, 2021-922 PT1 & PT2) R-1		



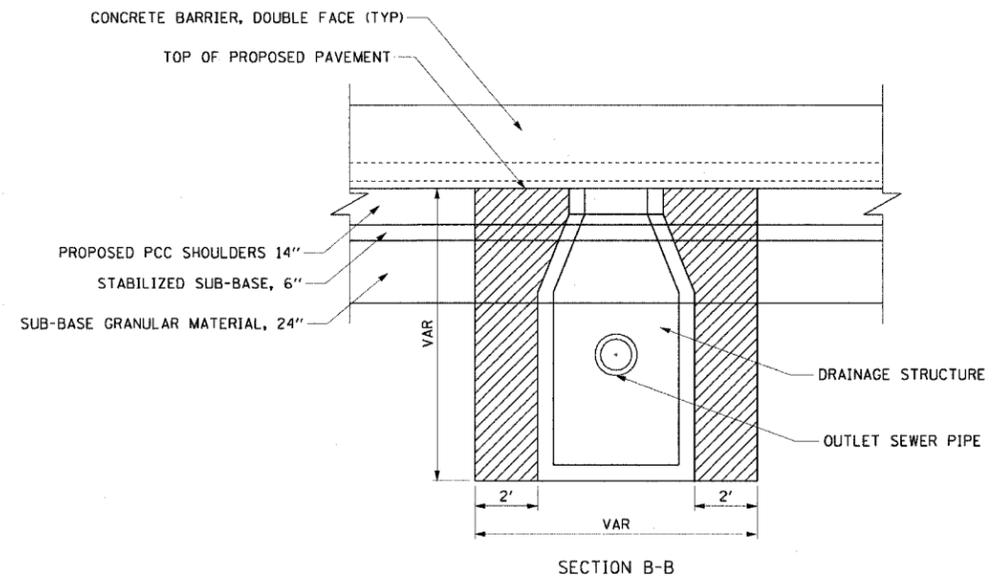
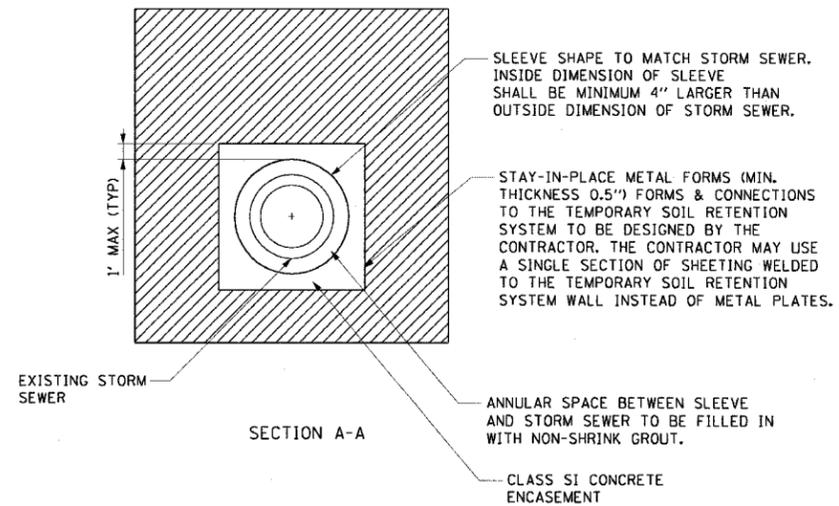
PLAN VIEW

NOTES

- STORM SEWER PENETRATIONS THROUGH THE TEMPORARY SOIL RETENTION SYSTEM WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST FOR THE TEMPORARY SOIL RETENTION SYSTEM.

LEGEND

TEMPORARY SOIL RETENTION SYSTEM



CTE | AECOM

REVISIONS	
NAME	DATE

DDT-2

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
63RD STREET TO GARFIELD BLVD (NB LOCAL LANES)

**DRAINAGE DETAILS  
TEMPORARY SOIL RETENTION SYSTEM**

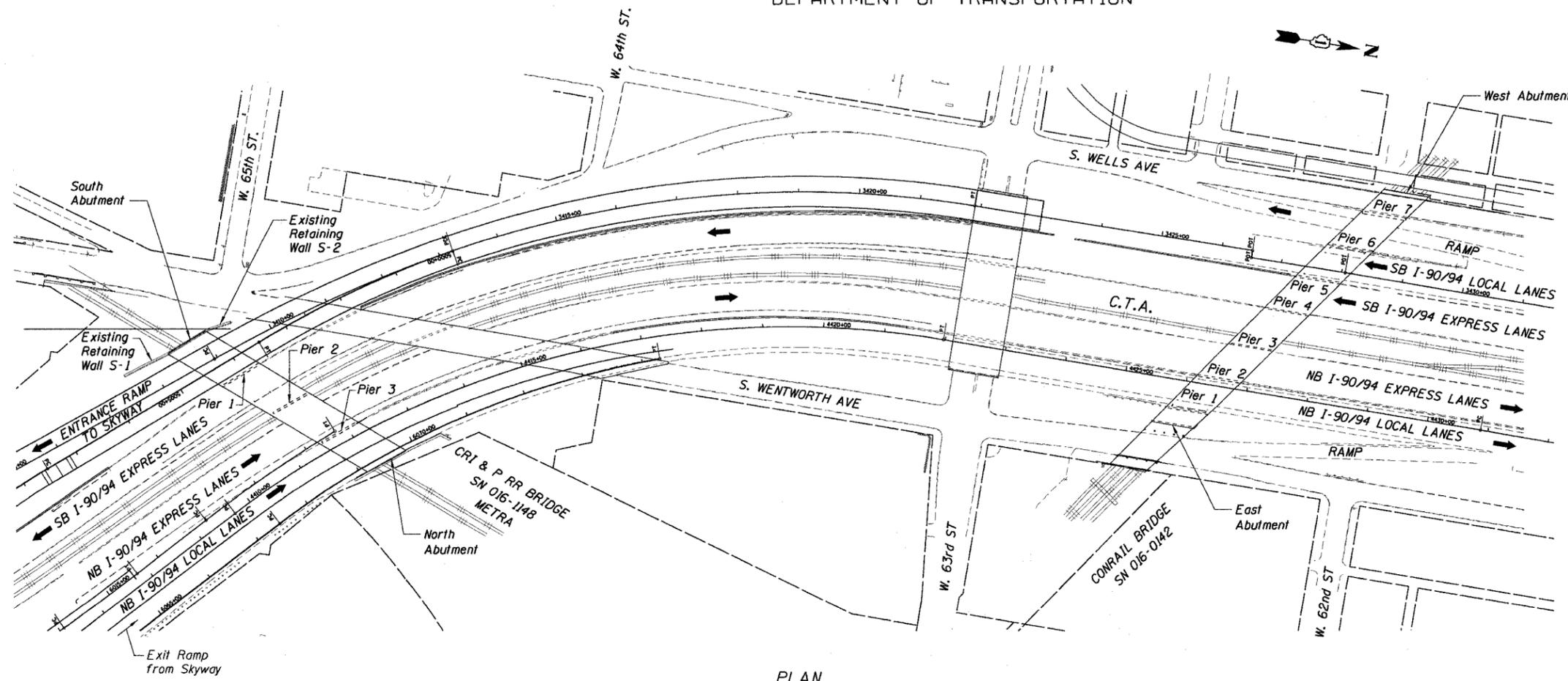
SCALE: NONE  
DATE: June 9, 2006

DRAWN BY: RMG  
CHECKED BY: XXX

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	312	225
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
60A62		* (1919.15, 2021-922 PT1 & PT2) R-1		



PLAN

**TOTAL BILL OF MATERIAL**  
Structure No. 016-1148

Item	Unit	Quantity
Structural Repair of Concrete (Depth Equal to or Less Than 5")	Sq Ft	535
Structural Repair of Concrete (Depth Greater Than 5")	Sq Ft	15
Epoxy Crack Sealing	LF	62
Protective Coat	Sq Yd	61

**TOTAL BILL OF MATERIAL**  
Structure No. 016-0142

Item	Unit	Quantity
Structural Repair of Concrete (Depth Equal to or Less Than 5")	Sq Ft	458
Epoxy Crack Sealing	LF	116
Protective Coat	Sq Yd	51

**GENERAL NOTES:**

- Pier Repair Locations and Quantities are estimated. The necessary adjustments based on current field conditions will be made at time of construction. However, such variations shall not be cause for additional compensation for a change in the Scope of Work; however, the Contractor will be paid for the quantity actually furnished at the Unit Price bid for the Work.
- The Contractor shall expose the top of footing at all pier and abutment repair locations. The cost shall be included in the cost of Structural Repair of Concrete.
- Delaminated and spalled areas of concrete shall be repaired by utilizing Structural Repair of Concrete and described in the Specifications as Structural Repair of Concrete.
- Cracks shall be repaired by utilizing the Epoxy Crack Sealing and described in Section 590 of the Standard Specifications as Epoxy Crack Sealing.
- The approximate location of the downspout is shown in the Elevation. If repairs are to be made near the attachments of the downspout, the downspout shall be detached before making the repairs. The Contractor shall reattach the downspout. The cost of the detachment and reattachment of the downspouts to the Piers shall be included in the cost of Structural Repair of Concrete.
- Existing rustication shall be maintained and re-established in new repair areas and shall be included in the cost of Structural Repair of Concrete.
- The Contractor shall provide Railroad Protective Liability Insurance in accordance with Articles 107.11 and 107.12 of the Standard Specifications for all Railroad Highway Crossings and the Chicago Transit Authority (CTA). The CTA has additional requirements as shown in the "CTA Coordination" provision as shown in the Contract Special Provisions.

**INDEX OF SHEETS**

- BR1 General Plan
- BR2 Pier 3 - Plan and Elevation (SN 016-1148)
- BR3 North Abutment - Plan and Elevation (SN 016-1148)
- BR4 Piers 1 & 2 - Plan and Elevation (SN 016-0142)
- BR5 East Abutment - Plan and Elevation (SN 016-0142)

**DESIGN SPECIFICATIONS**

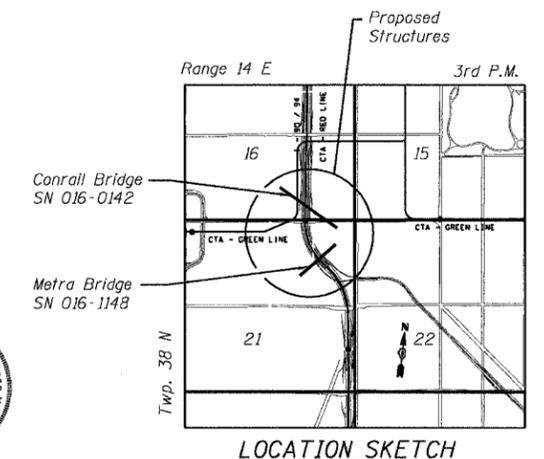
2002 AASHTO, Standard Specifications for Highway Bridges

**DESIGN STRESSES**

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

**SUBSTRUCTURE REPAIR WORK ITEMS**

- Metra Railroad Bridge (SN 016-1148)
  - Pier 3 Repairs (North Face)
  - North Abutment Repairs (South Face)
- Conrail Railroad Bridge (SN 016-0142)
  - Pier 1 Repairs (East and West Face)
  - Pier 2 Repairs (East Face)
  - East Abutment Repairs (West Face)



LOCATION SKETCH

Sheet BR1 of 5

REVISIONS	
NAME	DATE

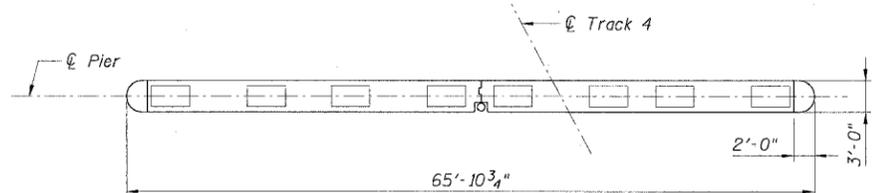
ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
63RD STREET TO GARFIELD BLVD (NB LOCAL LANES)  
GENERAL PLAN  
SUBSTRUCTURE AND ABUTMENT REPAIRS  
METRA BRIDGE (SN 016-1148) AND  
CONRAIL BRIDGE (SN 016-0142)  
COOK COUNTY

SCALE: None  
DATE: June 9, 2006

DRAWN BY: CHD  
CHECKED BY: MJF

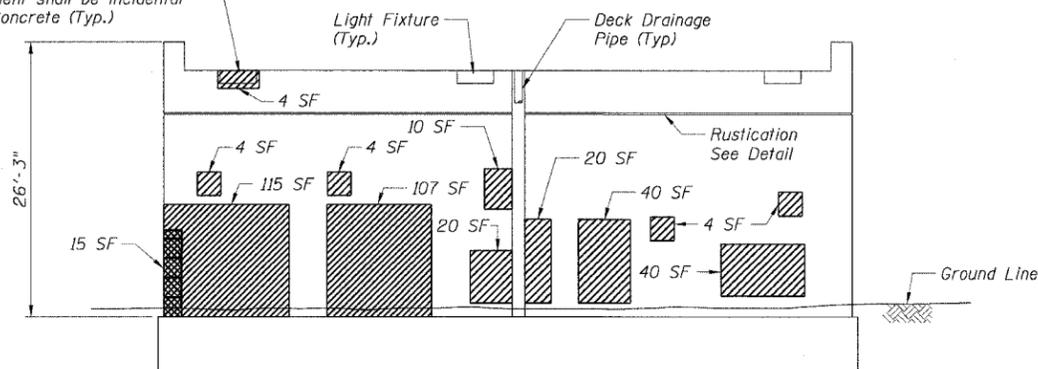
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	312	226
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
60A62		* (1919.15, 2021-922 PT1 & PT2) R-1		

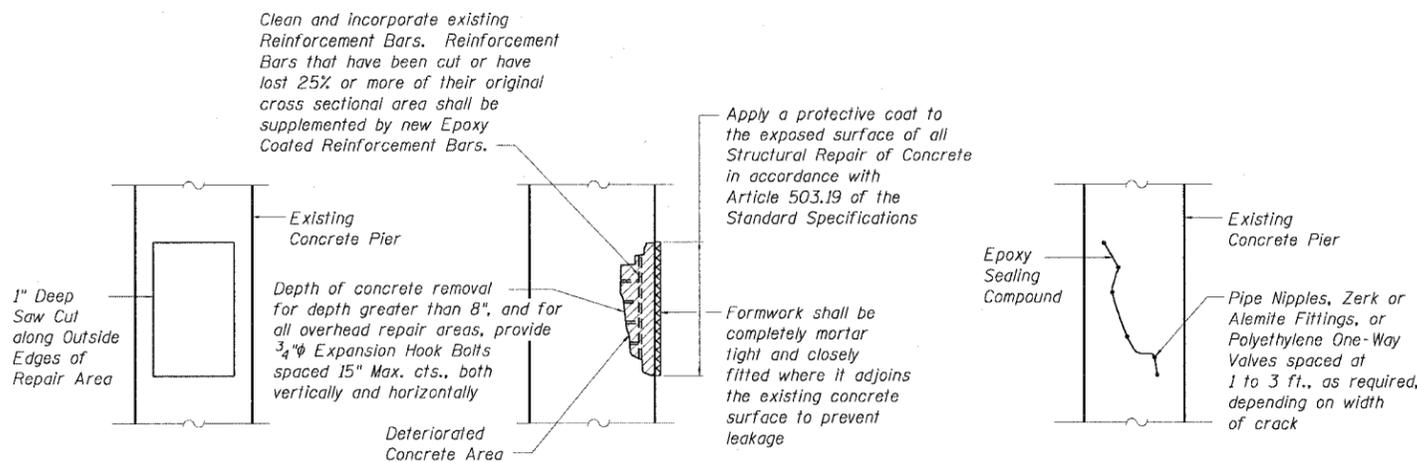


**PLAN  
PIER 3  
(S.N. 016-1148)**

The Contractor shall detach the Light Fixture prior to making repairs, and reattach after repairs are complete. The Cost for the detachment and reattachment shall be incidental to Structural Repair of Concrete (Typ.)

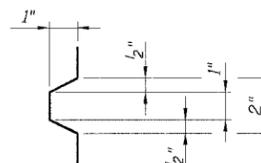


**ELEVATION  
PIER 3 - NORTH FACE  
(S.N. 016-1148)**



**STRUCTURAL REPAIR OF CONCRETE DETAIL**

**EPOXY CRACK SEALING DETAIL**



**DETAIL OF  
RUSTICATION**

**LEGEND**

- Area of Structural Repair of Concrete (Depth Equal to or Less than 5")
- Area of Structural Repair of Concrete (Depth Greater than 5")

BILL OF MATERIAL		
Item	Unit	Quantity Pier 3 North Face
Structural Repair of Concrete (Depth Equal to or Less Than 5")	Sq Ft	372
Structural Repair of Concrete (Depth Greater Than 5")	Sq Ft	15
Protective Coat	Sq Yd	43

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
63RD STREET TO GARFIELD BLVD (NB LOCAL LANES)  
**PIER 3 - PLAN AND ELEVATION  
SUBSTRUCTURE AND ABUTMENT REPAIRS  
METRA BRIDGE (SN 016-1148)  
COOK COUNTY**

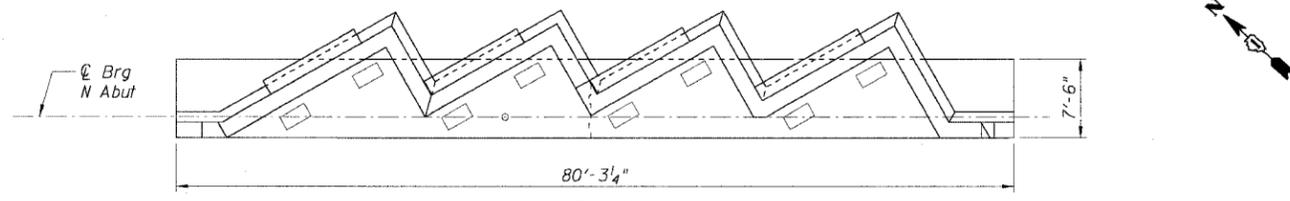
SCALE: None  
DATE: June 9, 2006

DRAWN BY: CHD  
CHECKED BY: MJP

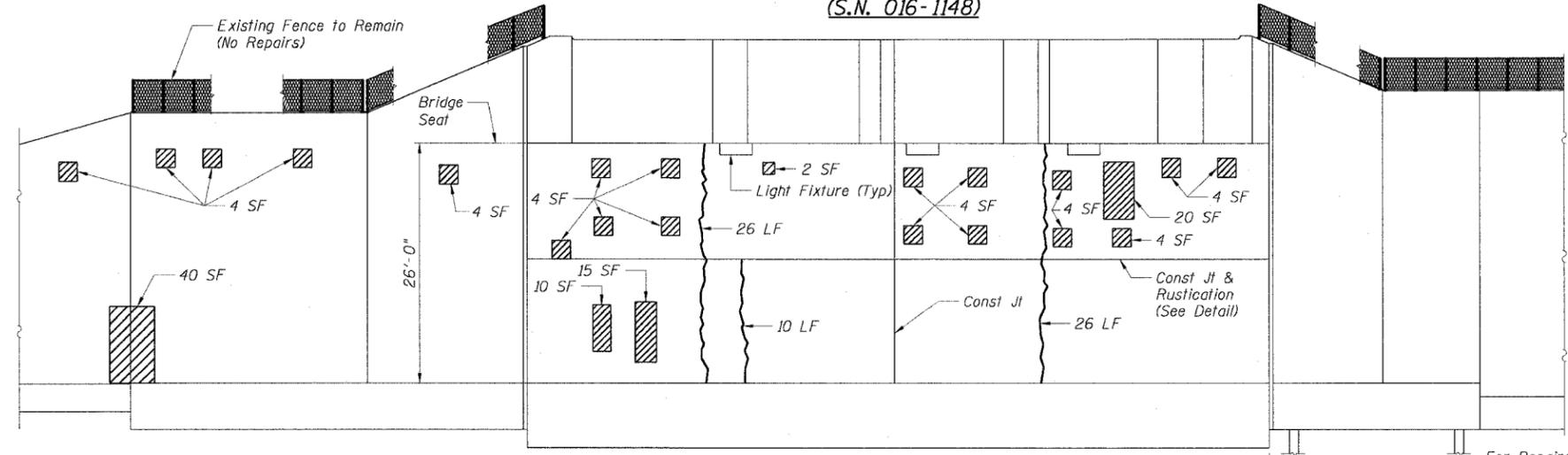
CTE | AECOM

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

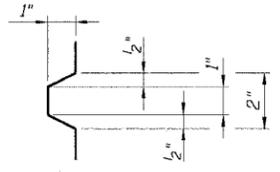
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90/94	*	COOK	312	227
STA.		TO STA.		
60A62		• (1919.15, 2021-922 PT1 & PT2) R-1		



PLAN  
NORTH ABUTMENT  
(S.N. 016-1148)



ELEVATION  
NORTH ABUTMENT - SOUTH FACE  
(S.N. 016-1148)



DETAIL OF  
RUSTICATION

EXISTING  
RETAINING WALL N-2

EXISTING  
RETAINING WALL N-1

LEGEND

- Area of Structural Repair of Concrete (Depth Equal to or Less than 5")
- Epoxy Crack Sealing

BILL OF MATERIAL			
Item	Unit	Quantity	
		North Abutment	Retaining Wall N-2
Structural Repair of Concrete (Depth Equal to or Less Than 5")	Sq Ft	103	60
Epoxy Crack Sealing	LF	62	0
Protective Coat	Sq Yd	11	7

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
63RD STREET TO GARFIELD BLVD (NB LOCAL LANES)  
NORTH ABUTMENT - PLAN AND ELEVATION  
SUBSTRUCTURE AND ABUTMENT REPAIRS  
METRA BRIDGE (SN 016-1148)  
COOK COUNTY

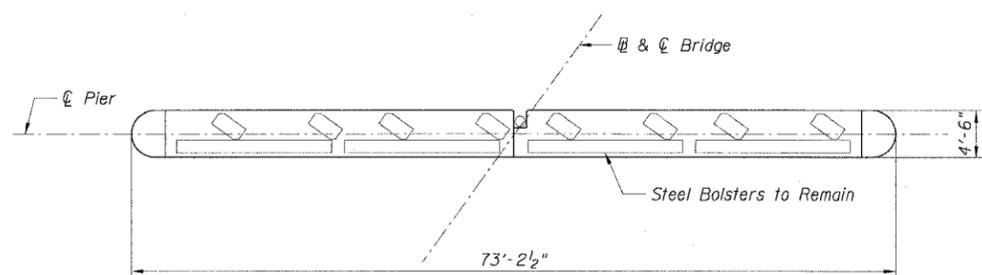
SCALE: None  
DATE: June 9, 2006

DRAWN BY: CHD  
CHECKED BY: MJP

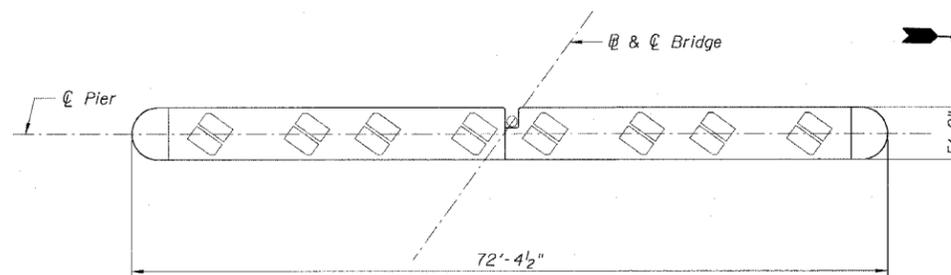
CTE | AECOM

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

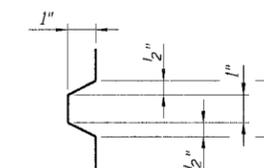
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90/94		COOK	312	228
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT			
60A62	• (1919.15, 2021-922 PT1 & PT2) R-1			



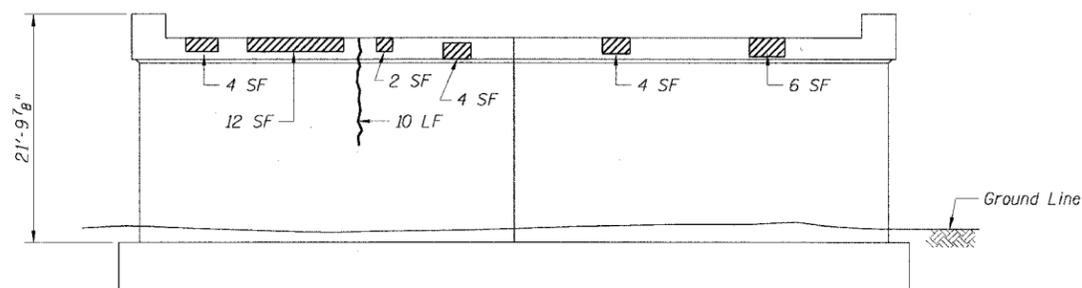
PLAN  
PIER 1  
(S.N. 016-0142)



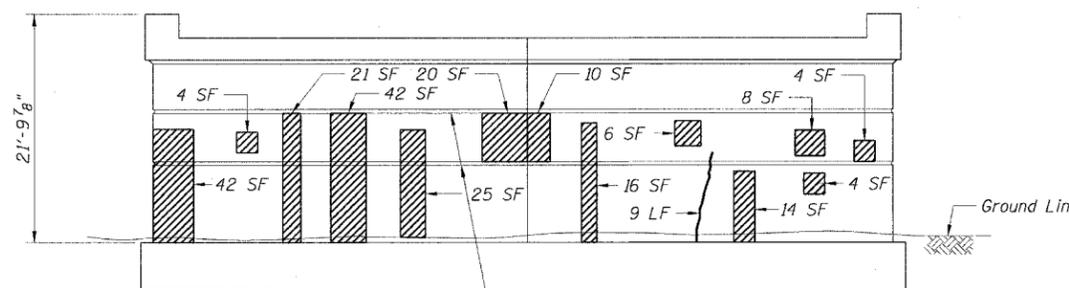
PLAN  
PIER 2  
(S.N. 016-0142)



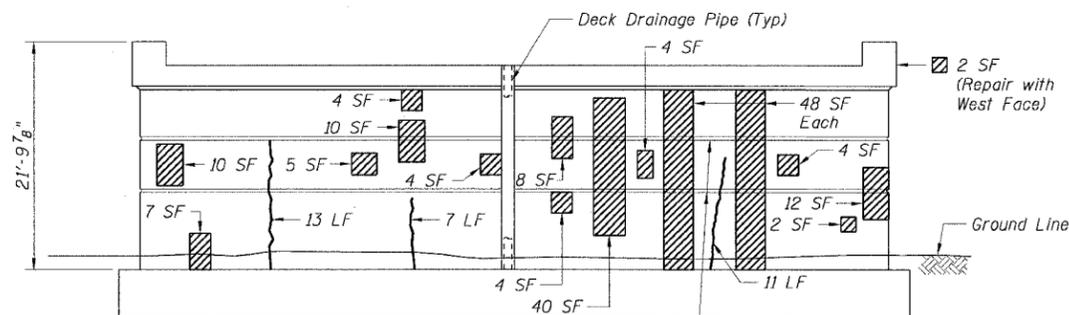
DETAIL OF  
RUSTICATION



ELEVATION  
PIER 1 - EAST FACE  
(S.N. 016-0142)



ELEVATION  
PIER 2 - EAST FACE  
(S.N. 016-0142)



ELEVATION  
PIER 1 - WEST FACE  
(S.N. 016-0142)

LEGEND

- Area of Structural Repair of Concrete (Depth Equal to or Less Than 5")
- Epoxy Crack Sealing

BILL OF MATERIAL				
Item	Unit	Quantity		
		Pier 1		Pier 2
		East Face	West Face	East Face
Structural Repair of Concrete (Depth Equal to or Less Than 5")	Sq Ft	32	210	216
Epoxy Crack Sealing	LF	10	31	9
Protective Coat	Sq Yd	4	23	24

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
63RD STREET TO GARFIELD BLVD (NB LOCAL LANES)  
PIERS 1 & 2 - PLAN AND ELEVATION  
SUBSTRUCTURE AND ABUTMENT REPAIRS  
CONRAIL BRIDGE (SN 016-0142)  
COOK COUNTY

SCALE: None  
DATE: June 9, 2006

DRAWN BY: CHD  
CHECKED BY: MJP

Sheet BR4 of 5



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	312	230
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
60A62		1919.15, 2021-922 PT1 & PT2 R-1		

STRUCTURAL BILL OF MATERIAL		
ITEM	UNIT	QUANTITY
Concrete Removal	Cu Yd	79
Concrete Superstructure	Cu Yd	152.6
Protective Coat	Sq Yd	691
Reinforcement Bars, Epoxy Coated	Pound	18,160
Rustication Finish	Sq Ft	1,315
Chain Link Fence 42" Attached to Structure (Special)	Foot	718
Structure Excavation	Cu Yd	93
Porous Granular Embankment	Cu Yd	73

GENERAL NOTES:

- Station and offsets are measured from @ NB Collector/Distributor to the front face of the retaining wall.
- All construction joints shall be bonded.
- All exposed concrete edges shall have a 3/4" by 45° chamfer except where shown otherwise. Chamfer on vertical edges shall be continued a minimum of 1 foot below the finished ground line.
- A protective coat shall be applied according to Section 503.19 of the Standard Specifications to all concrete surfaces not in contact with soil.
- Reinforcement bars shall conform to the requirements of AASHTO M31 or M322, Grade 60.
- Reinforcement bars designated "E" shall be epoxy coated.
- Removal and disposal of existing fence is included in the cost of Concrete Removal.
- Plan dimensions and details relating to existing structures have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and to make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation or a change in the scope of work. However, the Contractor will be paid for the quantity actually furnished at the unit price for the work.
- For Concrete Median Surface, 5" (Modified), see sheet A8.

INDEX OF SHEETS

- A1 General Plan I
- A2 General Plan II
- A3 Detailed Elevation I
- A4 Detailed Elevation II
- A5 Typical Light Pole Foundation Details
- A6 Wall Sections and Details
- A7 Chain Link Fence Details

DESIGN SPECIFICATIONS

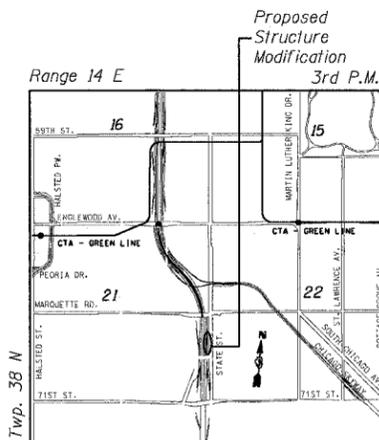
2002 AASHTO, Standard Specifications for Highway Bridges

DESIGN STRESSES

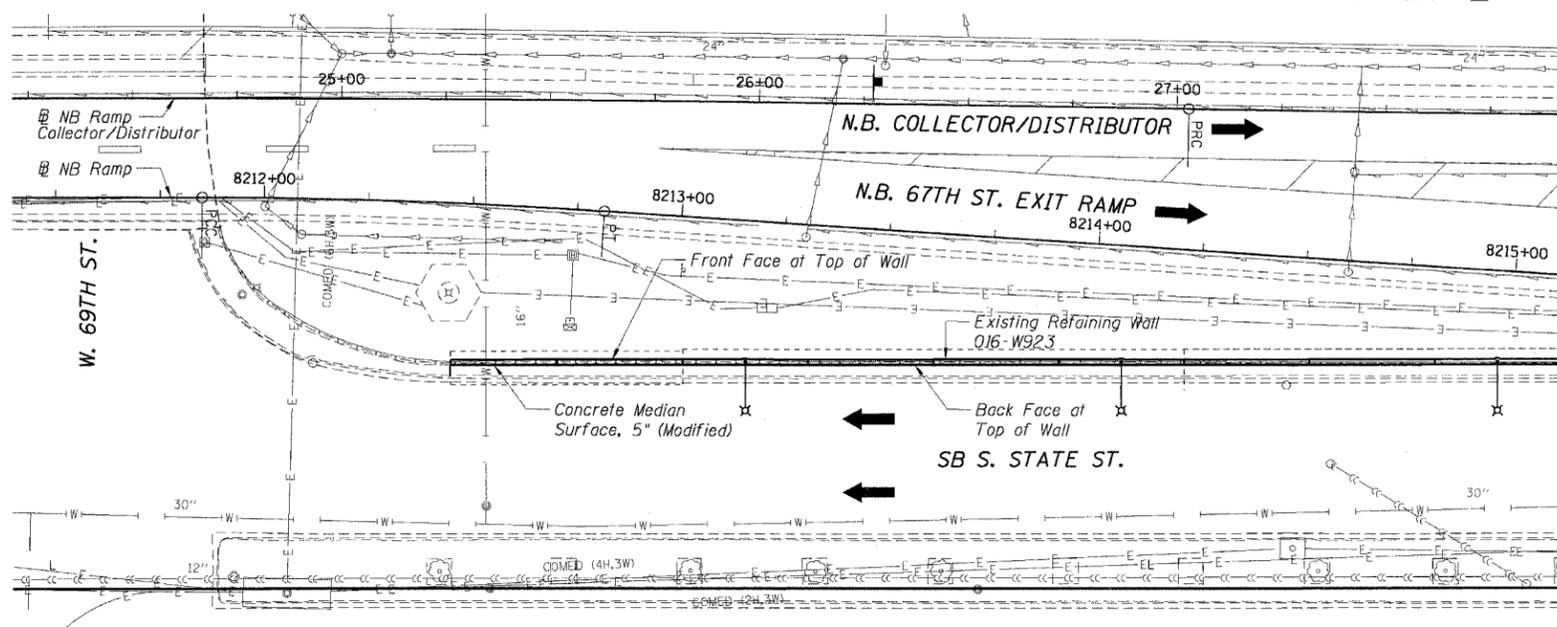
FIELD UNITS  
f'c = 3,500 psi  
fy = 60,000 psi (Reinf.)

NOTE:

Rustication Finish not shown for clarity.

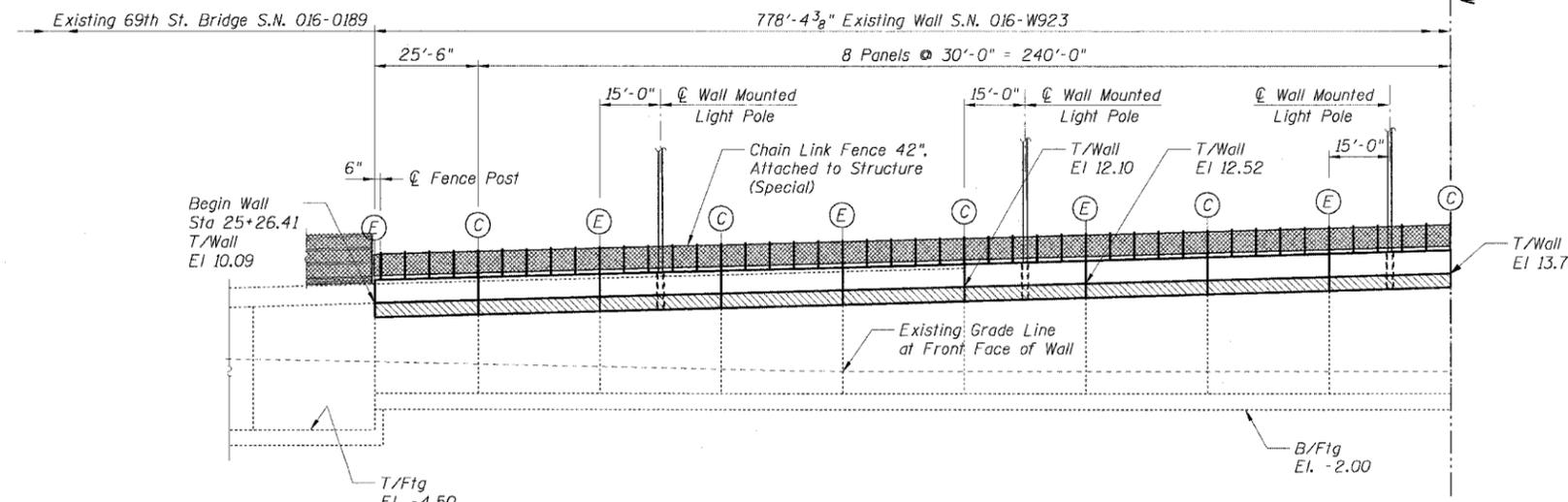


LOCATION SKETCH



PLAN

MATCH LINE STA. 27+92.28 SEE SHEET A2



BACK FACE ELEVATION  
(Looking West)

ABBREVIATIONS:

- B Bottom
- BF Back Face
- EF Each Face
- EW Each Way
- FF Front Face
- Fig Footing
- LT Left
- Sta Station
- T Top

LEGEND:

- Concrete Removal
- Construction Joint
- Expansion Joint
- Wall Mounted Light Pole
- Chain Link Fence



EXPIRATION DATE: 11-30-2006

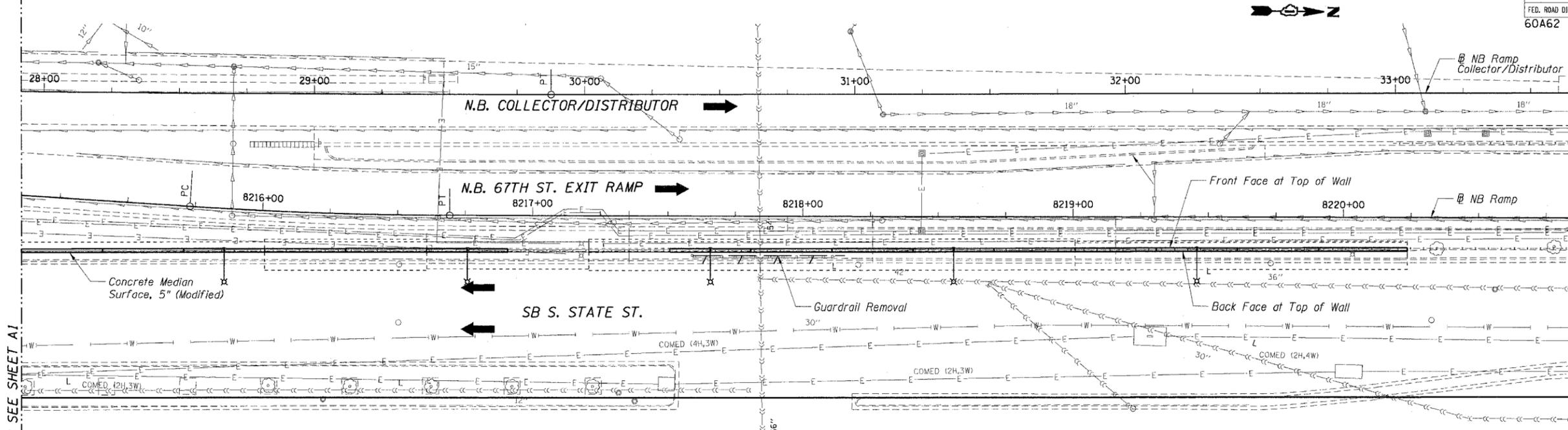
REVISIONS	
NAME	DATE

Sheet A1 of 8  
ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
63RD STREET TO GARFIELD BLVD (NB LOCAL LANES)  
GENERAL PLAN I  
SOUTH STATE STREET RETAINING WALL  
SECTION (1818, ETC, 2324.6-1P) R-10  
STATION 25+26.41 TO 33+04.33  
COOK COUNTY S.N. 016-W923  
SCALE: NONE  
DATE: June 9, 2006  
DRAWN BY: CHD  
CHECKED BY: MJF

CTE | AECOM

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

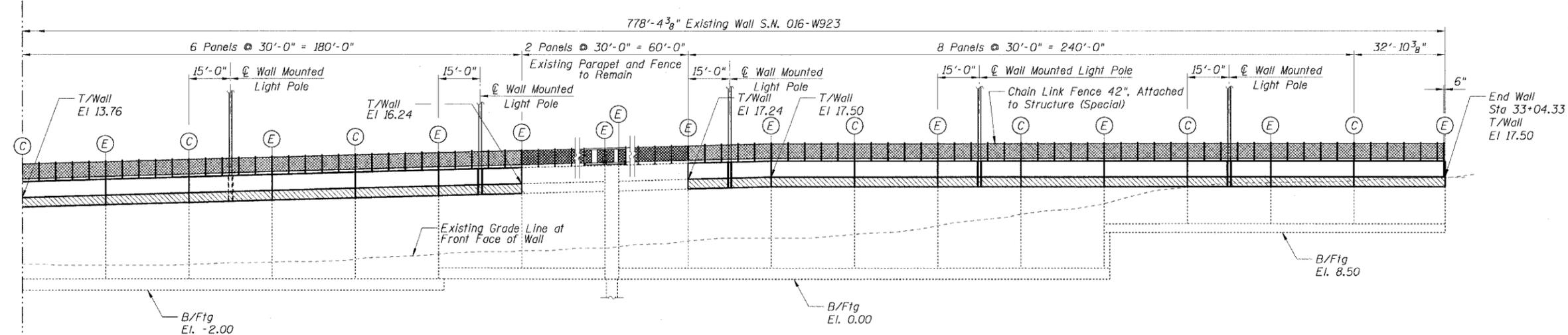
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	312	231
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT			
60A62	* (1919.15, 2021-922 PT1 & PT2) R-1			



PLAN

NOTES:

1. For General Notes, Index of Sheets, Legend and Abbreviations, see Sheet A1.
2. For Total Bill of Materials, see Sheet A1.
3. For Detailed Elevation, see Sheets A3 and A4.
4. For Typical Sections and Details, see Sheet A5.
5. For Chain Link Fence 42", Attached to Structure (Special) details, see Sheet A6.
6. For Wall Mounted Light Pole Foundation details, see Sheet A4.
6. Rustication Finish not shown for clarity.



BACK FACE ELEVATION  
(Looking West)

REVISIONS	
NAME	DATE

Sheet A2 of 8  
ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
63RD STREET TO GARFIELD BLVD (NB LOCAL LANES)  
GENERAL PLAN II  
SOUTH STATE STREET RETAINING WALL  
SECTION (1818, ETC. 2324.6-1P) R-10  
STATION 25+26.41 TO 33+04.33  
COOK COUNTY S.N. 016-W923  
SCALE: NONE DRAWN BY: CHD  
DATE: June 9, 2006 CHECKED BY: MJF

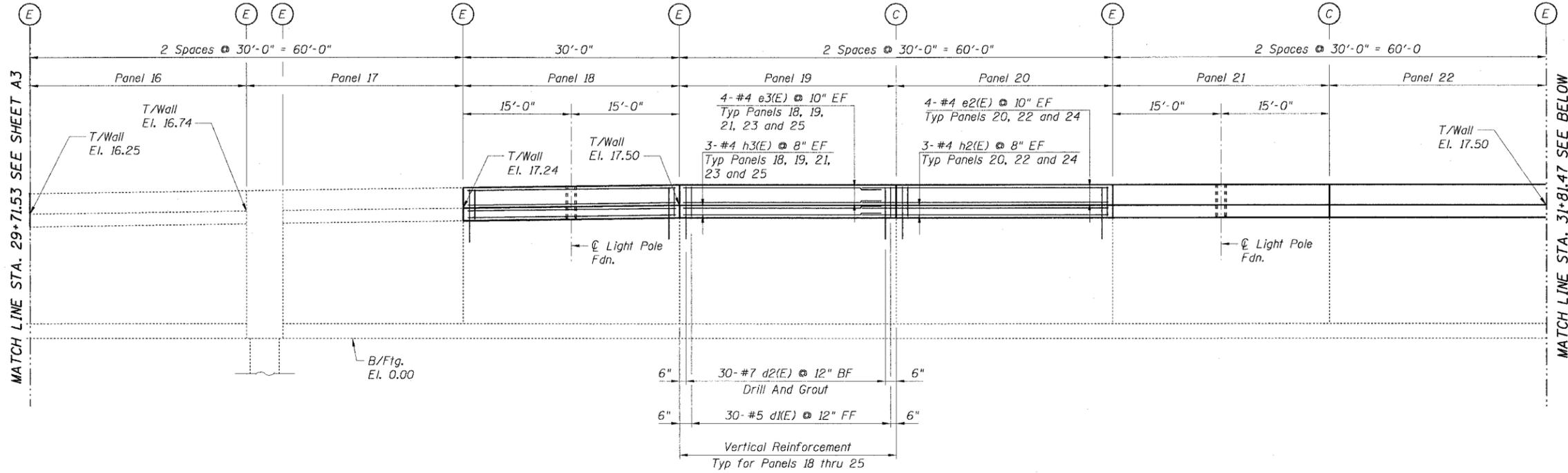
CTE AECOM

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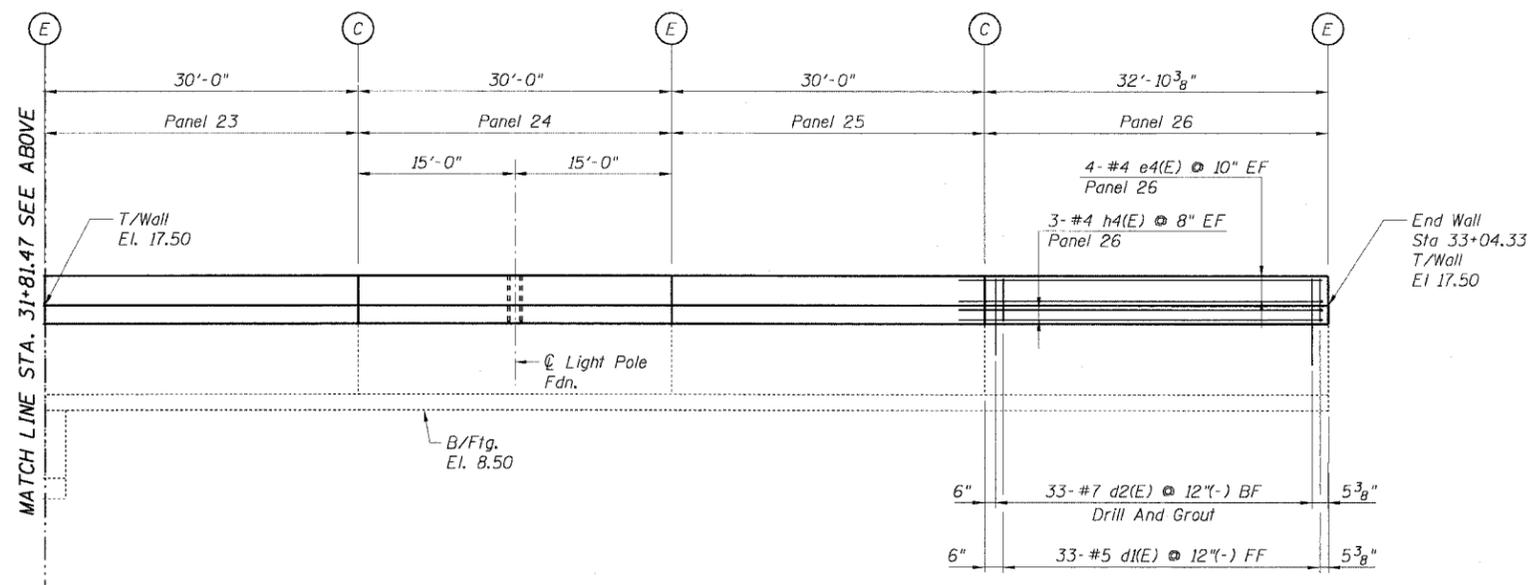


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	312	233
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT			
60A62	1919.15, 2021-922 PT1 & PT2 R-1			



BACK FACE ELEVATION



BACK FACE ELEVATION

NOTE:  
For Notes and Legend see Sheet A3.

- LEGEND**
- (C) - Construction Joint
  - (E) - Expansion Joint

REVISIONS	
NAME	DATE

Sheet A4 of 8

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
63RD STREET TO GARFIELD BLVD (NB LOCAL LANES)  
DETAILED ELEVATION II  
SOUTH STATE STREET RETAINING WALL  
SECTION (1818, ETC, 2324.6-1P) R-10  
STATION 25+26.41 TO 33+04.33  
COOK COUNTY S.N. 016-W923  
SCALE: None DRAWN BY: CHD  
DATE: June 9, 2006 CHECKED BY: MJP

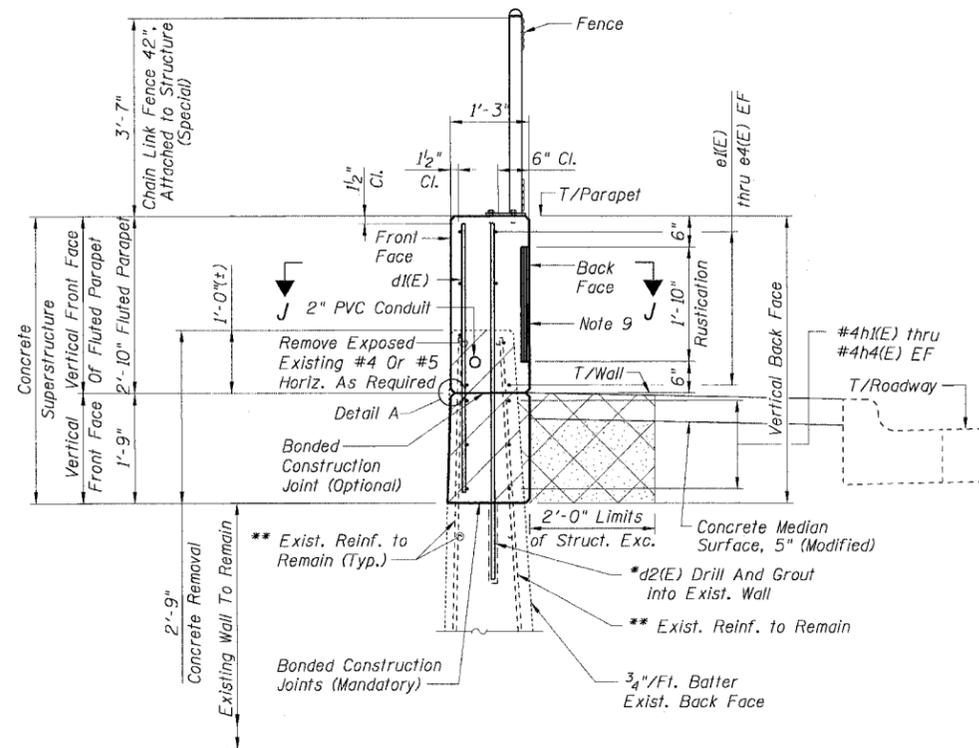
CTE | AECOM

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

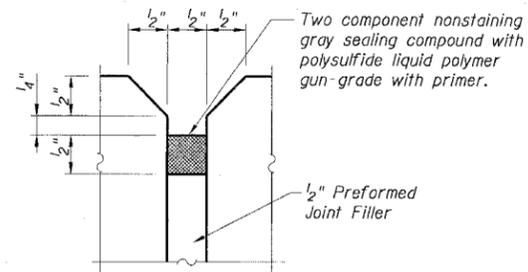
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	312	235
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
60A62	• (1919.15, 2021-922 PT1 & PT2) R-1			



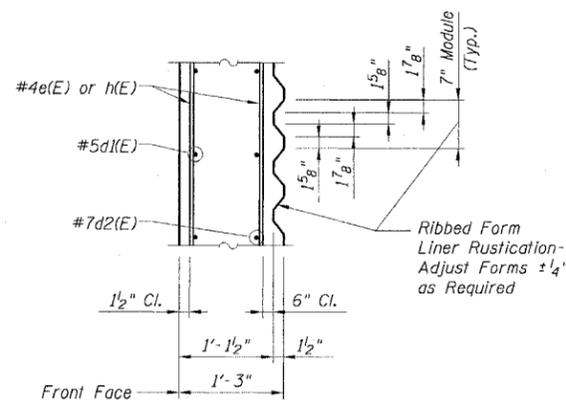
TYPICAL TOP OF WALL SECTION

\* Drill & Grout d2(E) & d4(E) Bars in 1/8" Dia. drilled holes with a minimum depth of 1'-3", according to Article 5B4 of the Standard Specifications. (Cost included with Reinforcement Bars, Epoxy Coated)

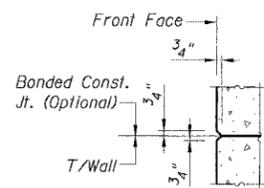
\*\* Existing reinforcing steel which is exposed by the concrete removal process, but which is to remain partially embedded in the existing structure, shall be cleaned to be free of existing concrete and rust, straightened if necessary, and recast into the new concrete. (Cost included with Concrete Removal).



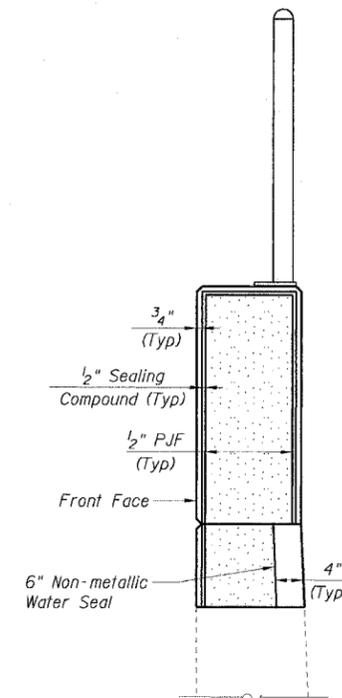
EXPANSION JOINT SEALING DETAIL



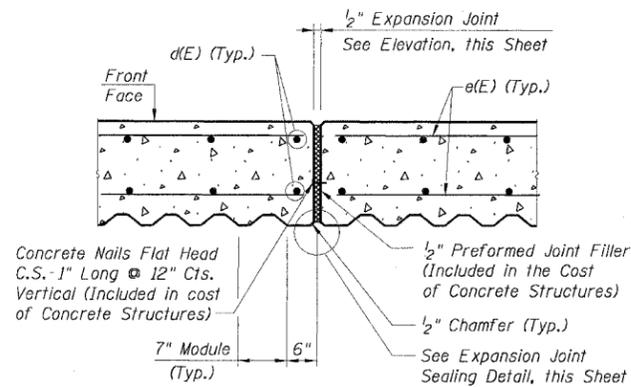
SECTION J-J



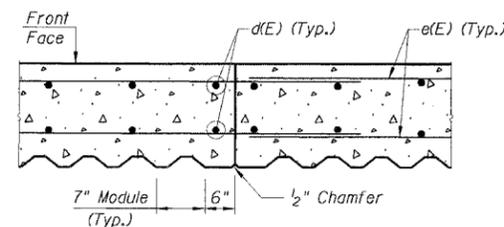
DETAIL A



EXPANSION JOINT ELEVATION



EXPANSION JOINT DETAIL



CONSTRUCTION JOINT DETAIL

LEGEND:

	Structure Excavation
	Porous Granular Embankment
	Concrete Removal

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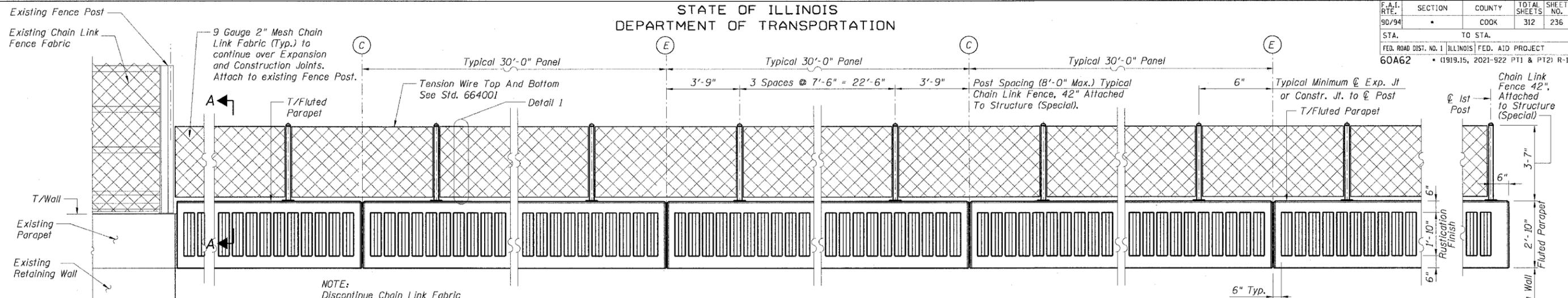
REVISIONS	
NAME	DATE

Sheet A6 of 8  
ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
63RD STREET TO GARFIELD BLVD (NB LOCAL LANES)  
WALL SECTIONS AND DETAILS  
SOUTH STATE STREET RETAINING WALL  
SECTION (1818, ETC, 2324.6-1P) R-10  
STATION 25+26.41 TO 33+04.33  
COOK COUNTY S.N. 016-W923  
SCALE: None DRAWN BY: CHD  
DATE: June 9, 2006 CHECKED BY: MJP

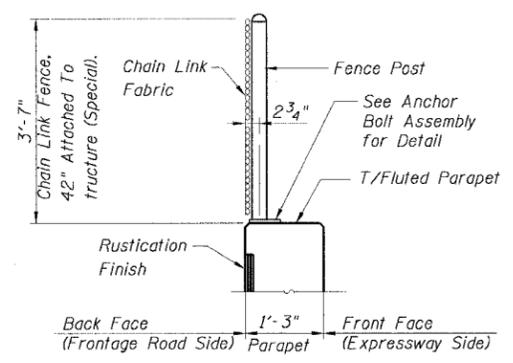
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

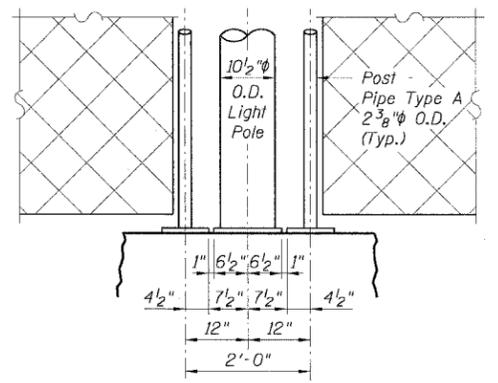
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STA. 60A62	TO STA. (1919.15, 2021-922 PT1 & PT2) R-1			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



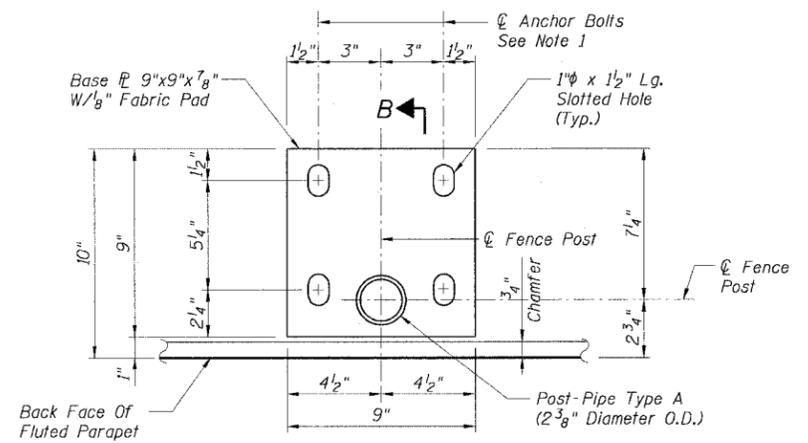
BACK FACE ELEVATION - FLUTED PARAPET  
AND CHAIN LINK FENCE, 42" ATTACHED TO STRUCTURE (SPECIAL)



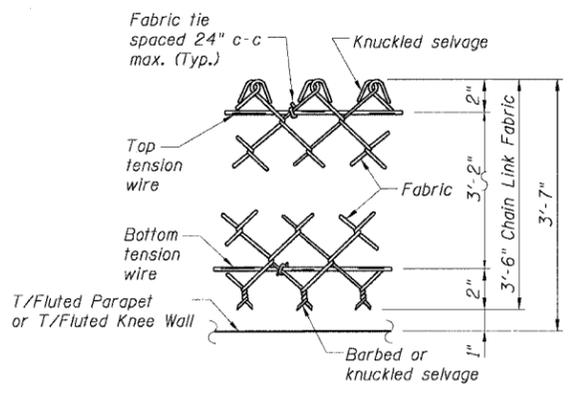
SECTION A-A



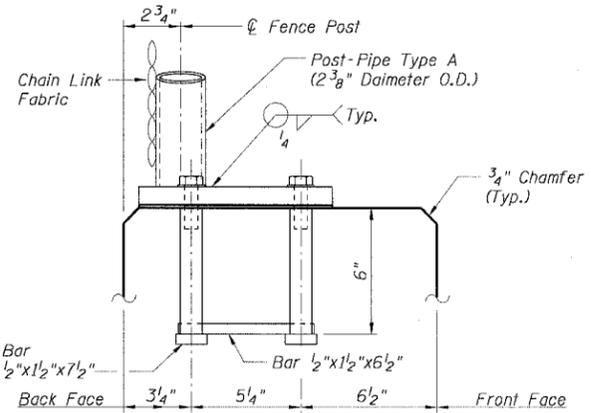
DETAIL 2



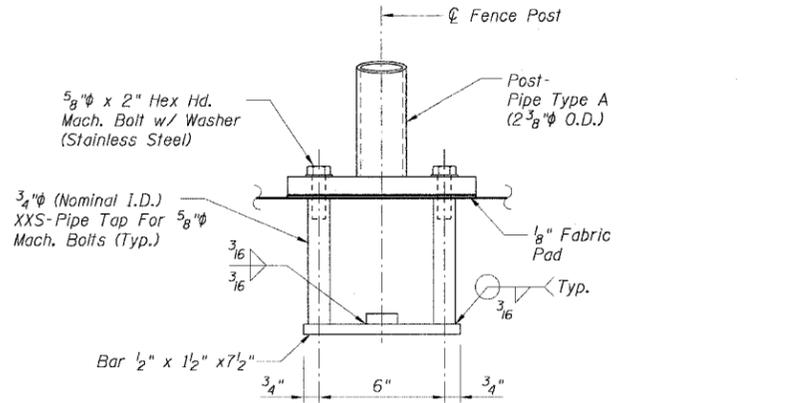
PLAN



DETAIL 1



SECTION B-B



ELEVATION

NOTES:

- Anchor Bolts:  
In lieu of the Cast in Place Anchor Bolt Assembly shown, the Contractor has the option of drilling and grouting 5/8" diameter Galvanized Anchor Rods with Hex Nuts and 1/4" diameter Washers. Embedment shall be according to Adhesive Anchor Manufacturers specifications. Weld nuts to Anchor Bolt after installation. Included in the cost of Chain Link Fence, 42" Attached To Structure (Special).
- For additional Chain Link Fence Details see Std. 664001.

LEGEND:

- (C) Construction Joint
- (E) Expansion Joint
- [Chain Link Fabric Symbol] Chain Link Fabric
- [Rustication Finish Symbol] Rustication Finish

Sheet A7 of B

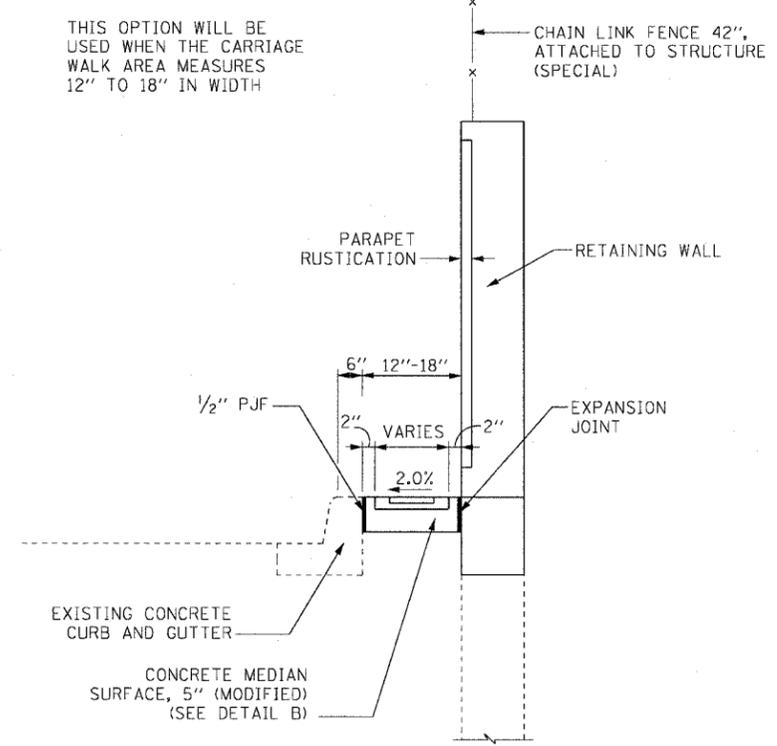
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
63RD STREET TO GARFIELD BLVD (NB LOCAL LANES)  
CHAIN LINK FENCE DETAILS  
SOUTH STATE STREET RETAINING WALL  
SECTION (1818, ETC. 2324.6-1P) R-10  
STATION 25+26.41 TO 33+04.33  
COOK COUNTY S.N. 016-W923  
SCALE: None DRAWN BY: RSB  
DATE: June 9, 2006 CHECKED BY: MJP

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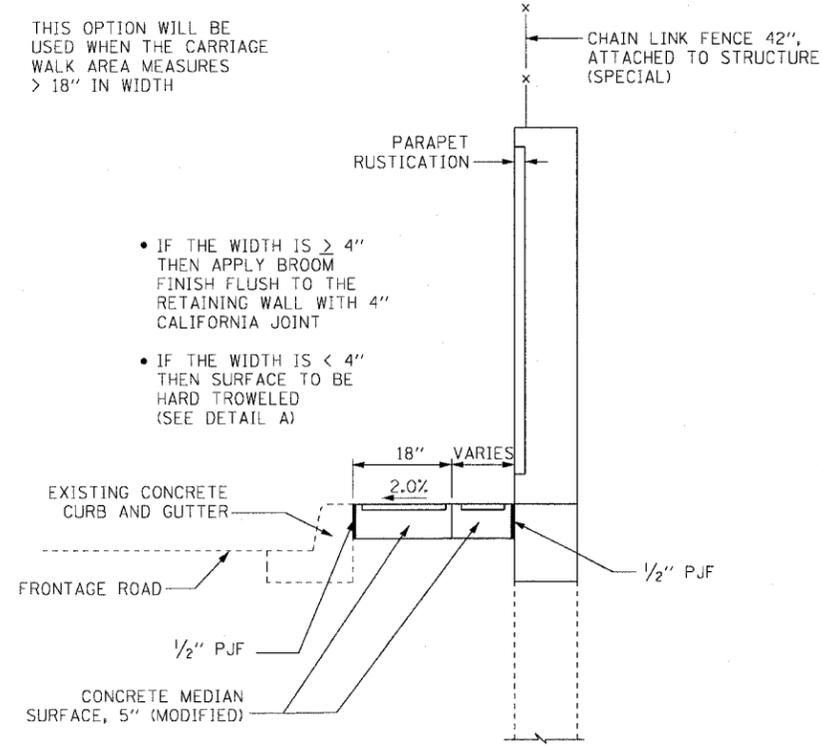
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	312	237
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT			
60A62	• (1919.15, 2021-922 PT1 & PT2) R-1			

THIS OPTION WILL BE USED WHEN THE CARRIAGE WALK AREA MEASURES 12" TO 18" IN WIDTH



CARRIAGE WALK  
AREA 12" TO 18" WIDE

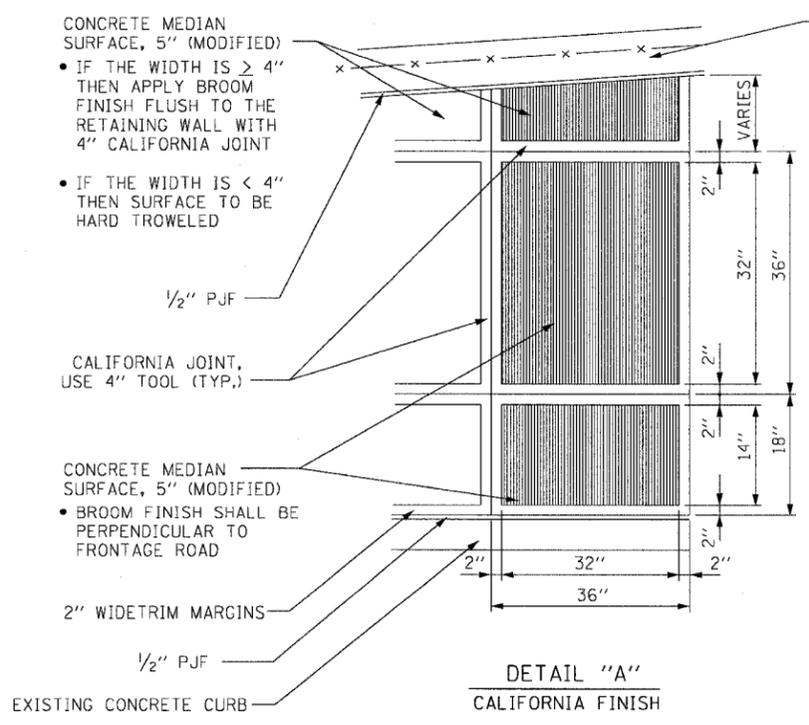
THIS OPTION WILL BE USED WHEN THE CARRIAGE WALK AREA MEASURES > 18" IN WIDTH



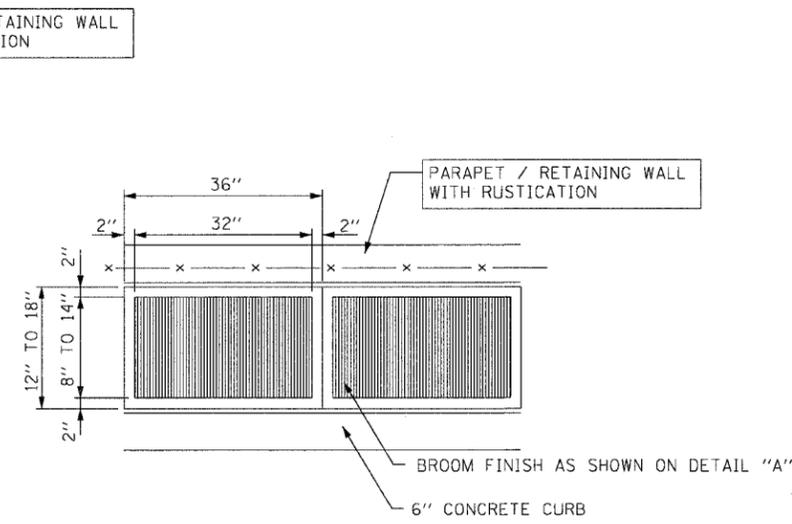
CARRIAGE WALK  
AREA > 18" WIDE

CIVIL BILL OF MATERIAL		
ITEM	UNIT	QUANTITY
Protective Coat	Sq. Yd.	230
Paved Shoulder Removal	Sq. Yd.	231
Guardrail Removal	Foot	54
Concrete Median Surface, 5" (Modified)	Sq. Ft.	2,070

- IF THE WIDTH IS  $\geq 4"$  THEN APPLY BROOM FINISH FLUSH TO THE RETAINING WALL WITH 4" CALIFORNIA JOINT
- IF THE WIDTH IS  $< 4"$  THEN SURFACE TO BE HARD TROWELED (SEE DETAIL A)



DETAIL "A"  
CALIFORNIA FINISH



DETAIL "B"  
CALIFORNIA FINISH

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REVISIONS	
NAME	DATE

Sheet A8 of 8  
ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
63RD STREET TO GARFIELD BLVD (NB LOCAL LANES)  
CONCRETE MEDIAN SURFACE, 5" (MODIFIED)  
CARRIAGE WALK AND CALIFORNIA FINISH DETAIL  
SCALE: NONE  
DATE: June 9, 2006  
DRAWN BY: PHP  
CHECKED BY: NJH

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	312	238
STA. 6063+25.00 TO STA. 6069+25.00				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
60A62 • (1919.15, 2021-922 PT1 & PT2) R-1				

INDEX OF SHEETS:

- C-1 General Plan and Elevation
- C-2 General Plan and Elevation
- C-3 General Plan and Elevation
- C-4 Wall Sections and Details

TOTAL BILL OF MATERIAL

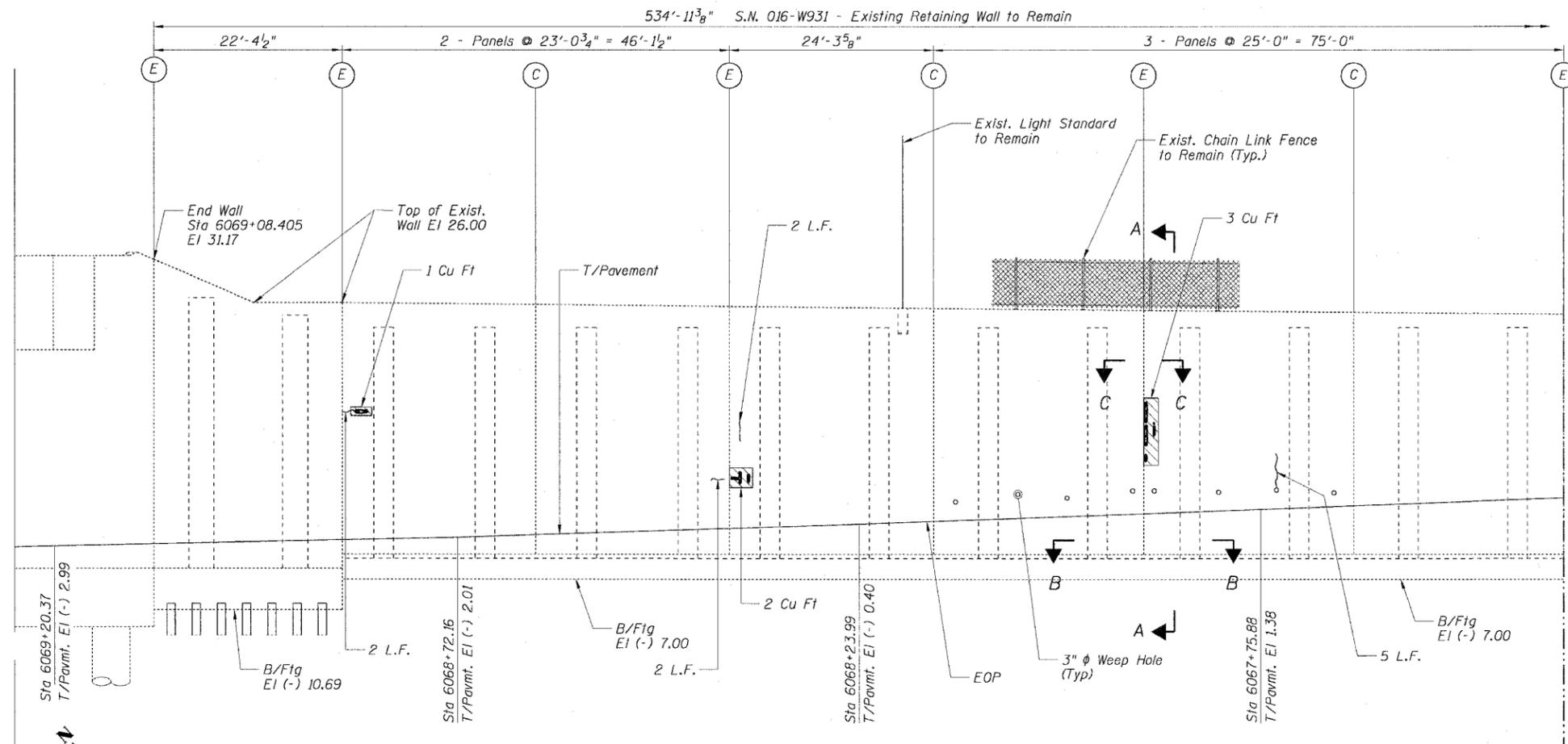
Item	Unit	Quantity
Concrete Removal	Cu Yd	1
Porous Granular Embankment	Cu Yd	111
Temporary Soil Retention System	Sq Ft	649
Structure Excavation	Cu Yd	111
Concrete Structures	Cu Yd	1
Protective Coat	Sq Yd	13
Pipe Underdrains for Structures, 6"	Foot	8
Geocomposite Wall Drain	Sq Yd	28
Epoxy Crack Sealing	L.F.	299
Epoxy Mortar Repair	Cu Ft	15
Fabric Reinforced Elastomeric Mat	Sq Ft	63

NOTES:

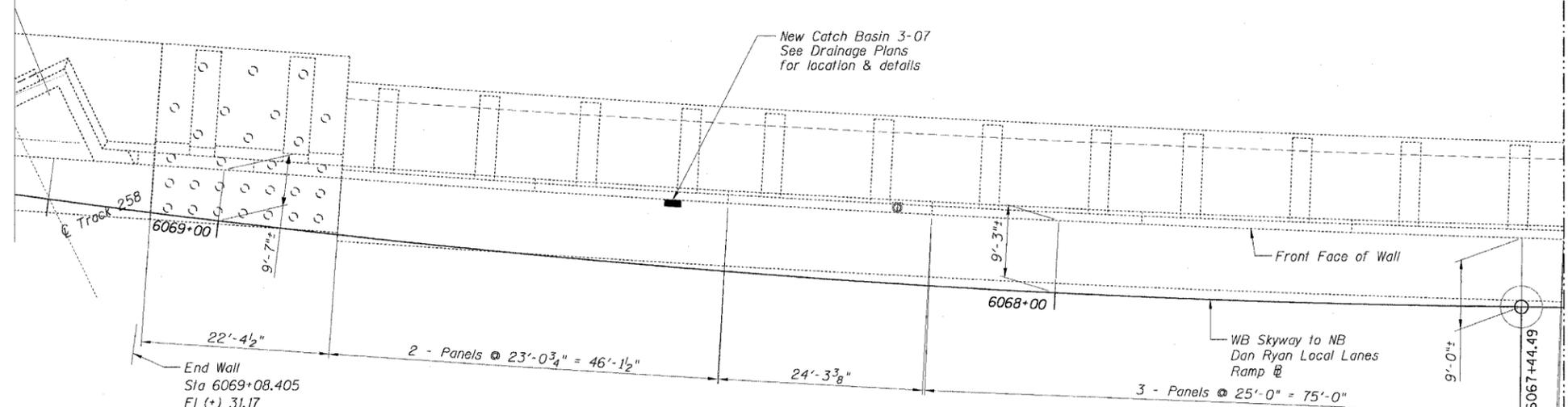
1. For General Notes see Sheet C-2.
2. For Legend see Sheet C-2.
3. For Abbreviations see Sheet C-2.
4. For Sections A-A, B-B and C-C, see Sheet C-4.

LEGEND:

- (C) - Construction Joint
  - (E) - Expansion Joint
  - [Hatched] - Concrete Removal & Replacement
  - [Diagonal Lines] - Epoxy Mortar Repair
  - [Wavy Line] - Epoxy Crack Sealing
  - [Cross-hatched] - Existing Chain Link Fence
  - [Grid Pattern] - Structural Excavation
  - [Stippled] - Porous Granular Embankment
  - [Solid Black] - New Catch Basin
- ABBREVIATIONS:
- B - Bottom
  - BF - Back Face
  - EF - Each Face
  - EI - Elevation
  - FF - Front Face
  - Ftg - Footing
  - Cu Ft - Cubic Feet
  - Cu Yd - Cubic Yards
  - L.F. - Linear Feet
  - Sq Yd - Square Yards
  - Sta - Station
  - CP - Corner Post
  - LP - Line Post
  - EP - End Post
  - UN - Unless Noted



FRONT FACE ELEVATION (Developed)  
(Looking Northeast)



PLAN

Note:  
Dimensions on Plan are along the front face of wall.

MATCH LINE SEE SHEET C-2 OF 4



LOCATION SKETCH  
Sheet C-1 OF 4

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
63RD STREET TO GARFIELD BLVD (NB LOCAL LANES)  
  
GENERAL PLAN AND ELEVATION  
ENTRANCE RAMP FROM SKYWAY RETAINING WALL  
65th STREET TO R.I.R.R.  
  
SCALE: None  
DATE: June 9, 2006  
  
DRAWN BY: DAS  
CHECKED BY: MJP

CTE | AECOM

6/2/2006 11:08:31 AM

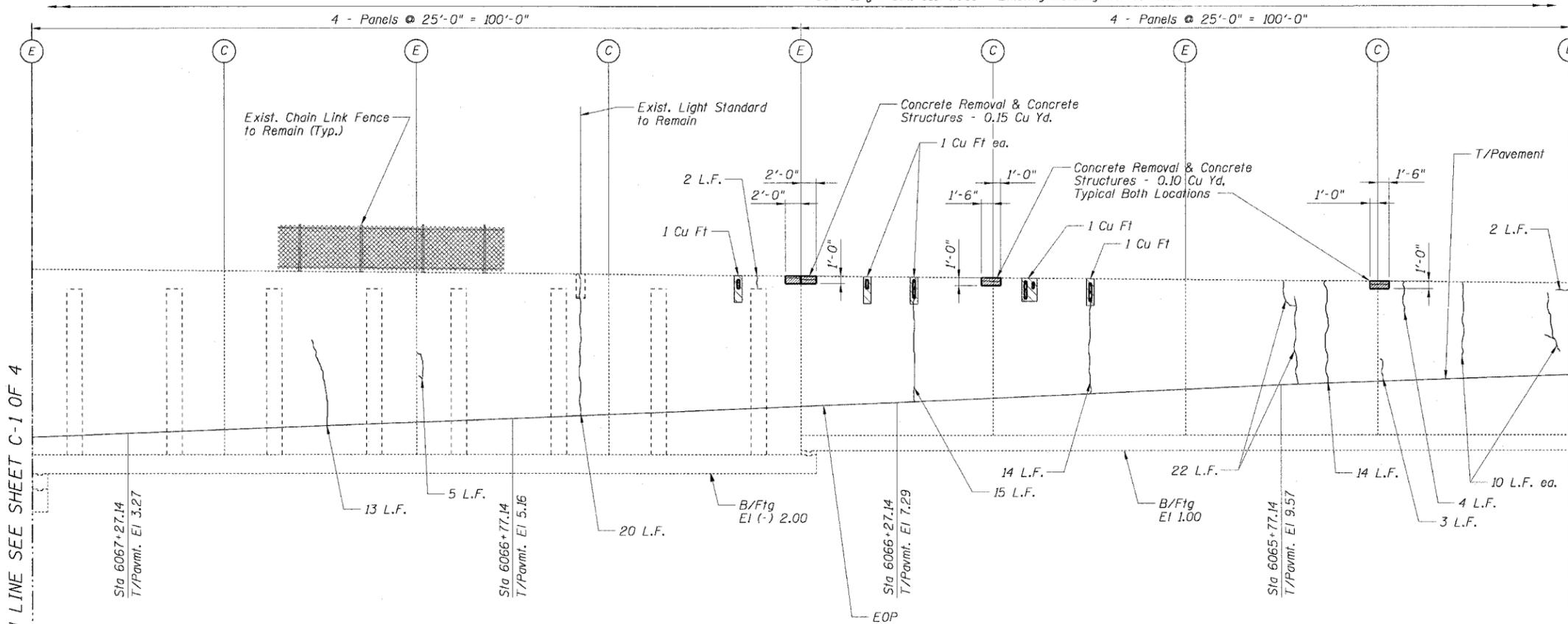
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

534'-11 3/8" S.N. 016-W931 - Existing Retaining Wall to Remain

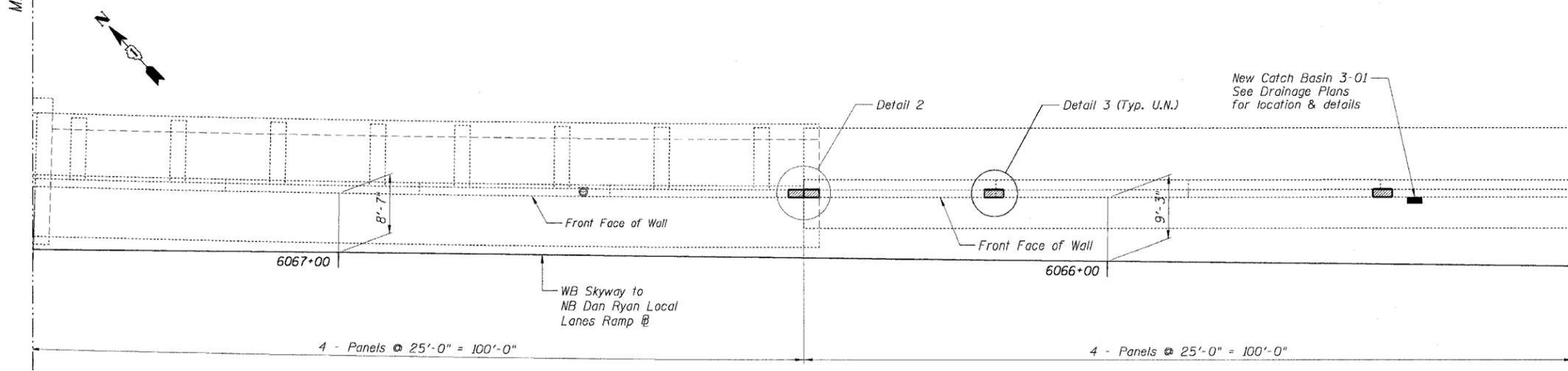
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	312	239
STA. 6063+25.00 TO STA. 6069+25.00				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
60A62 * (1919.15, 2021-922 PT1 & PT2) R-1				

NOTES:

1. Station and offsets are measured from @ for W.B. Skyway Ramp to the front face at the top of retaining wall.
2. Removal of existing concrete shall be in accordance with Section 501 of the Standard Specifications.
3. Concrete replacement shall be performed as described in Section 503 of the Standard Specifications.
4. A protective coat shall be applied to all new concrete surfaces not in contact with soil in accordance with Section 503.19 of the Standard Specifications.
5. Epoxy Mortar Repair shall be in accordance with Section 585 of the Standard Specifications.
6. Epoxy Crack Sealing shall be in accordance with Section 590 of the Standard Specifications.
7. Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to normal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of work, however, the Contractor will be paid for the quantity actually furnished at the unit price for the work.
8. For typical wall sections and details, see Sheet C-4.
9. For Temporary Soil Retention System limits see Sheet C-4.
10. At locations where the existing fence must be temporarily removed to perform concrete repairs, the removal, storage and replacement of the existing fence shall be included in the cost of Concrete Removal.
11. At the completion of work behind the wall, the Contractor shall be responsible for the restoration work at the existing ground elevation. The existing conditions must be restored to the satisfaction of the engineer. This restoration work shall not be measured for payment but included in the cost of Porous Granular Embankment.



FRONT FACE ELEVATION (Developed)



PLAN

Note:  
Dimensions on Plan are along the front face of wall.

CTE | AECOM

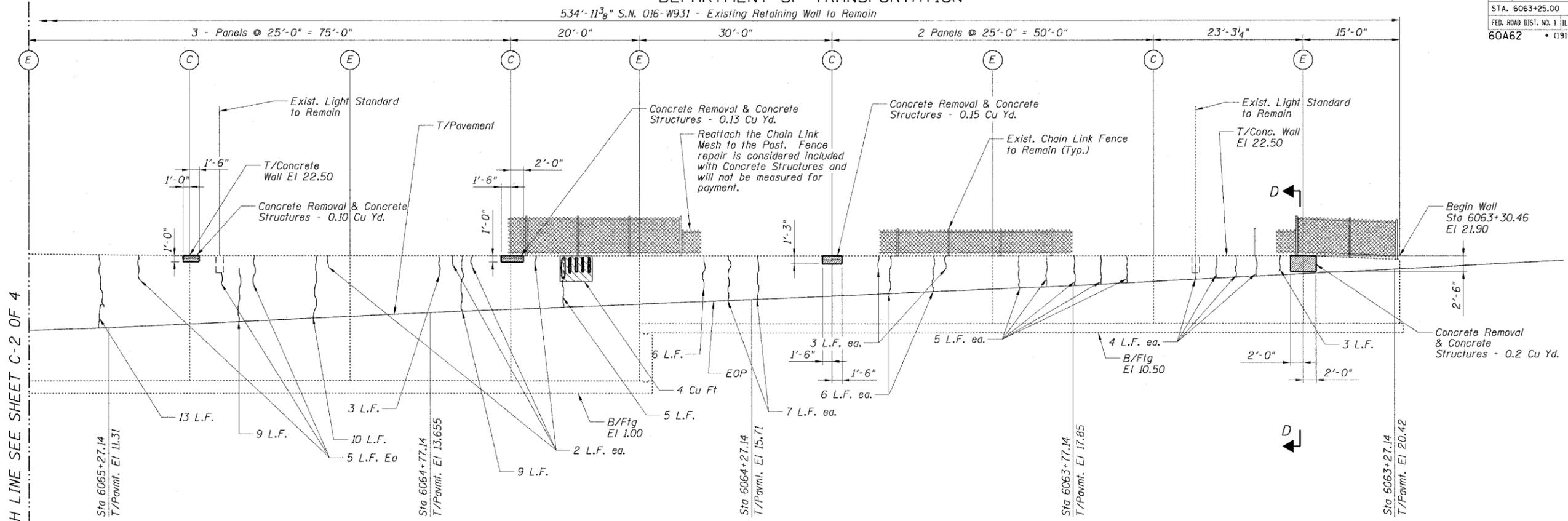
REVISIONS	
NAME	DATE

Sheet C-2 OF 4  
ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
63RD STREET TO GARFIELD BLVD (NB LOCAL LANES)  
  
GENERAL PLAN AND ELEVATION  
ENTRANCE RAMP FROM SKYWAY RETAINING WALL  
65th STREET TO R.I.R.R.  
  
SCALE: None  
DATE: June 9, 2006  
DRAWN BY: DAS  
CHECKED BY: MJP

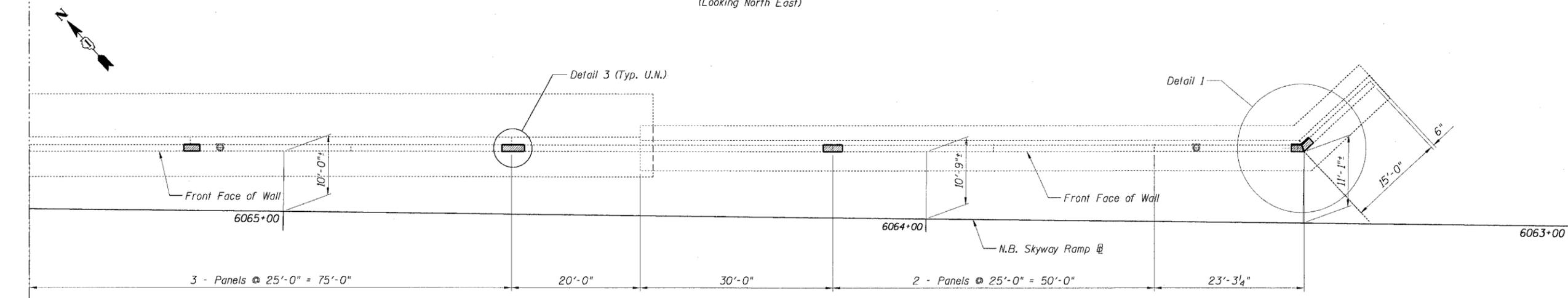
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	312	240
STA. 6063+25.00 TO STA. 6069+25.00				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
60A62 • (1919.15, 2021-922 PT1 & PT2) R-1				



FRONT FACE ELEVATION (Developed)  
(Looking North East)



PLAN

Note:  
Dimensions on Plan are along the front face of wall.  
For Section D-D see Sheet C-4.

CTE | AECOM

REVISIONS	
NAME	DATE

Sheet C-3 OF 4

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
63RD STREET TO GARFIELD BLVD (NB LOCAL LANES)

GENERAL PLAN AND ELEVATION  
ENTRANCE RAMP FROM SKYWAY RETAINING WALL  
65th STREET TO R.I.R.R.

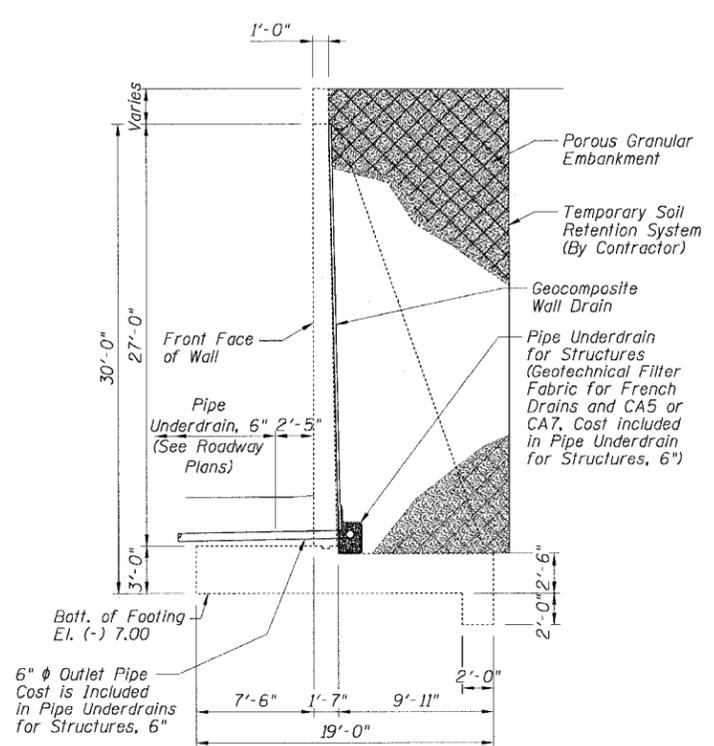
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DATE: June 9, 2006

DRAWN BY: DAS  
CHECKED BY: MJP

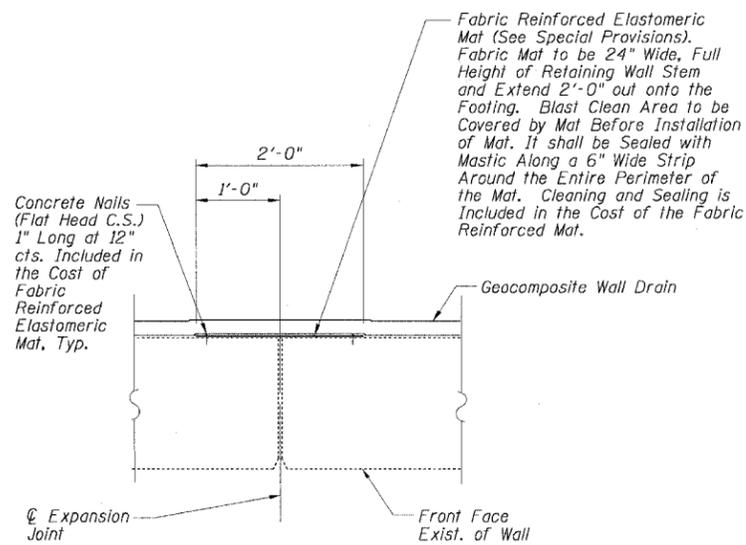
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

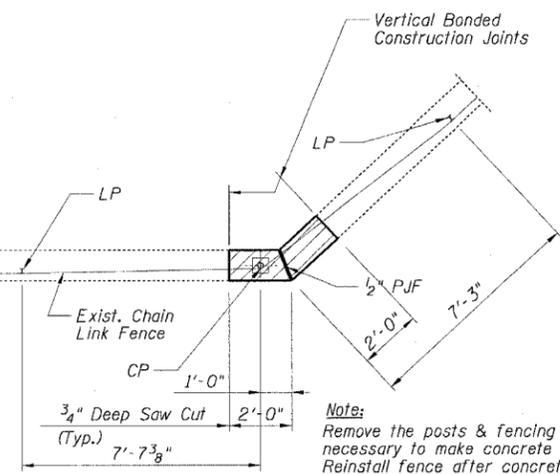
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	312	241
STA. 6063+25.00 TO STA. 6069+25.00		ILLINOIS FED. AID PROJECT		
60A62		• (1919.15, 2021-922 PT1 & PT2) R-1		



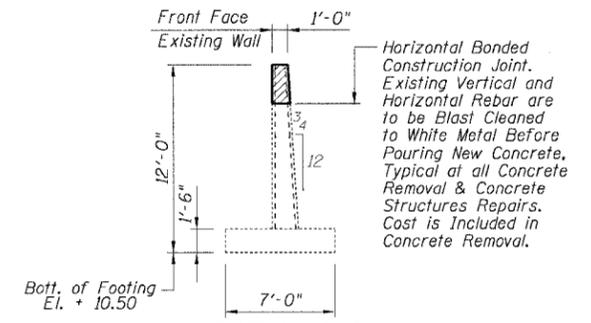
SECTION A-A



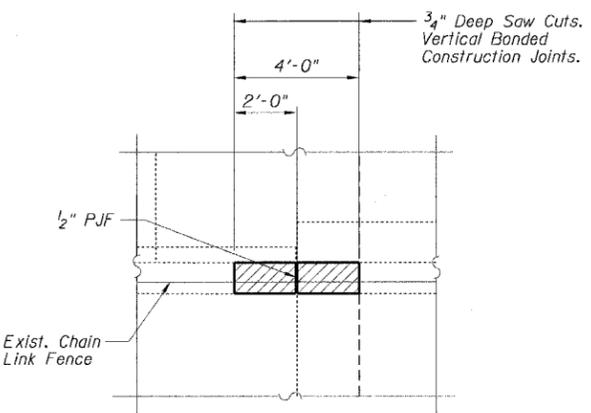
SECTION C-C



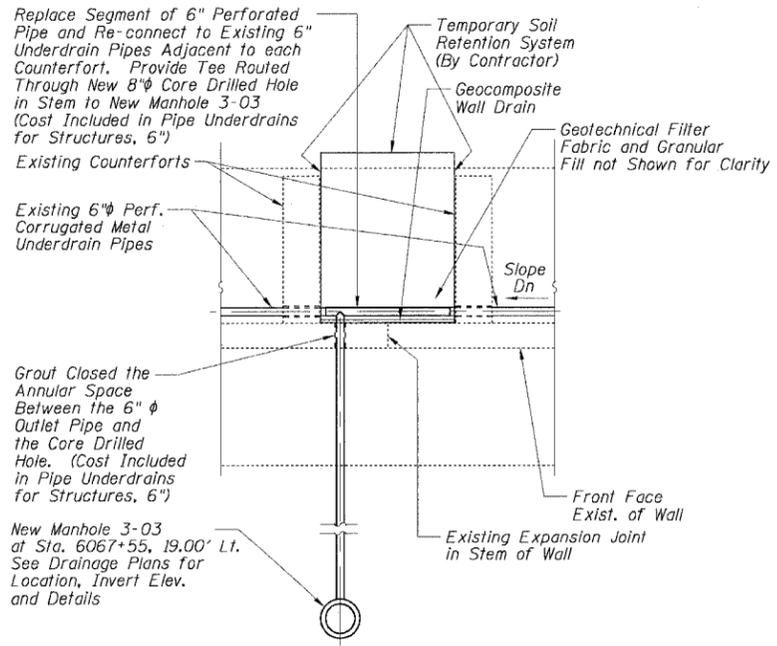
DETAIL 1



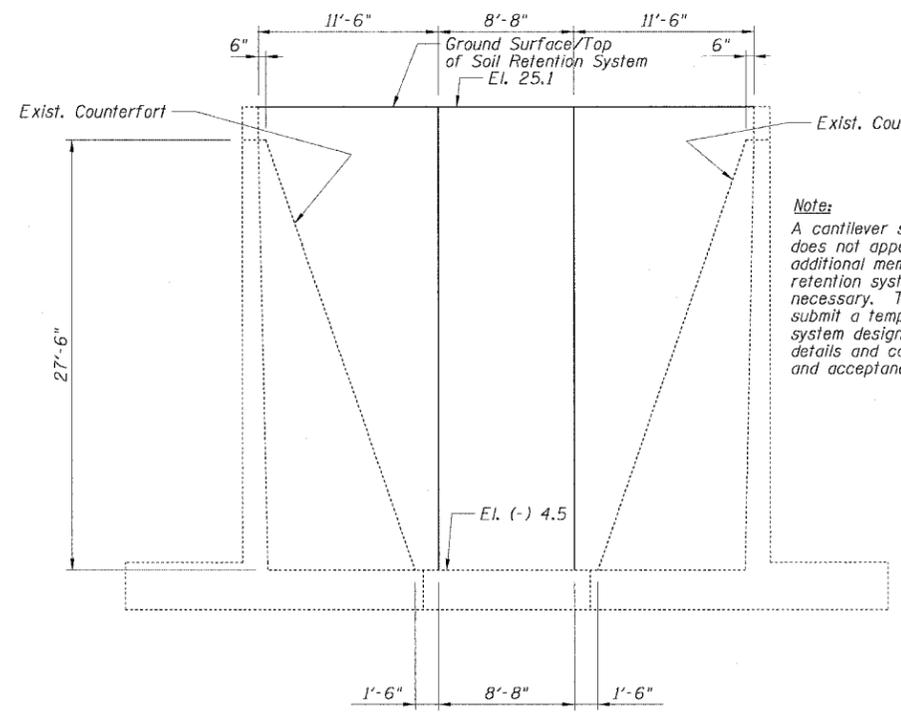
SECTION D-D



DETAIL 2



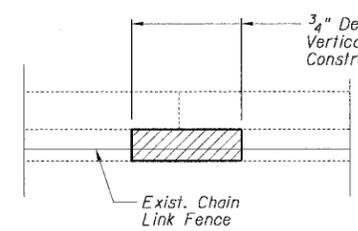
SECTION B-B



DEVELOPED ELEVATION  
TEMPORARY SOIL RETENTION SYSTEM

**Note:**  
Remove the posts & fencing as necessary to make concrete repairs. Reinstall fence after concrete repair. Fencing shall be reinstalled by the end of each work day. Removal & reinstallation of fencing is considered included with Concrete Removal and will not be measured for payment. Typical all locations along top of wall. The cost for structure excavation required for concrete removal locations along the top of the wall shall be included with the cost for Concrete Removal.

**Note:**  
A cantilever sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.



DETAIL 3

BILL OF MATERIAL

Item	Unit	Quantity
Concrete Removal	Cu Yd	1
Concrete Structures	Cu Yd	1
Porous Granular Embankment	Cu Yd	106
Temporary Soil Retention System	Sq Ft	645
Structure Excavation	Cu Yd	106
Pipe Underdrains for Structures, 6"	Foot	8
Geocomposite Wall Drain	Sq Yd	28
Fabric Reinforced Elastomeric Mat	Sq Ft	63
Protective Coat	Sq Yd	13

Sheet C-4 OF 4

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
63RD STREET TO GARFIELD BLVD (NB LOCAL LANES)  
WALL SECTIONS AND DETAILS  
ENTRANCE RAMP FROM SKYWAY RETAINING WALL  
65th STREET TO R.I.R.R.  
SCALE: None  
DATE: June 9, 2006  
DRAWN BY: DAS  
CHECKED BY: MJP

- Notes:**
- For location of Sections A-A, B-B and C-C, see Sheet C-1.
  - For location of Section D-D, see Sheet C-3.

CTE | AECOM

6/27/2006 10:09:00 AM

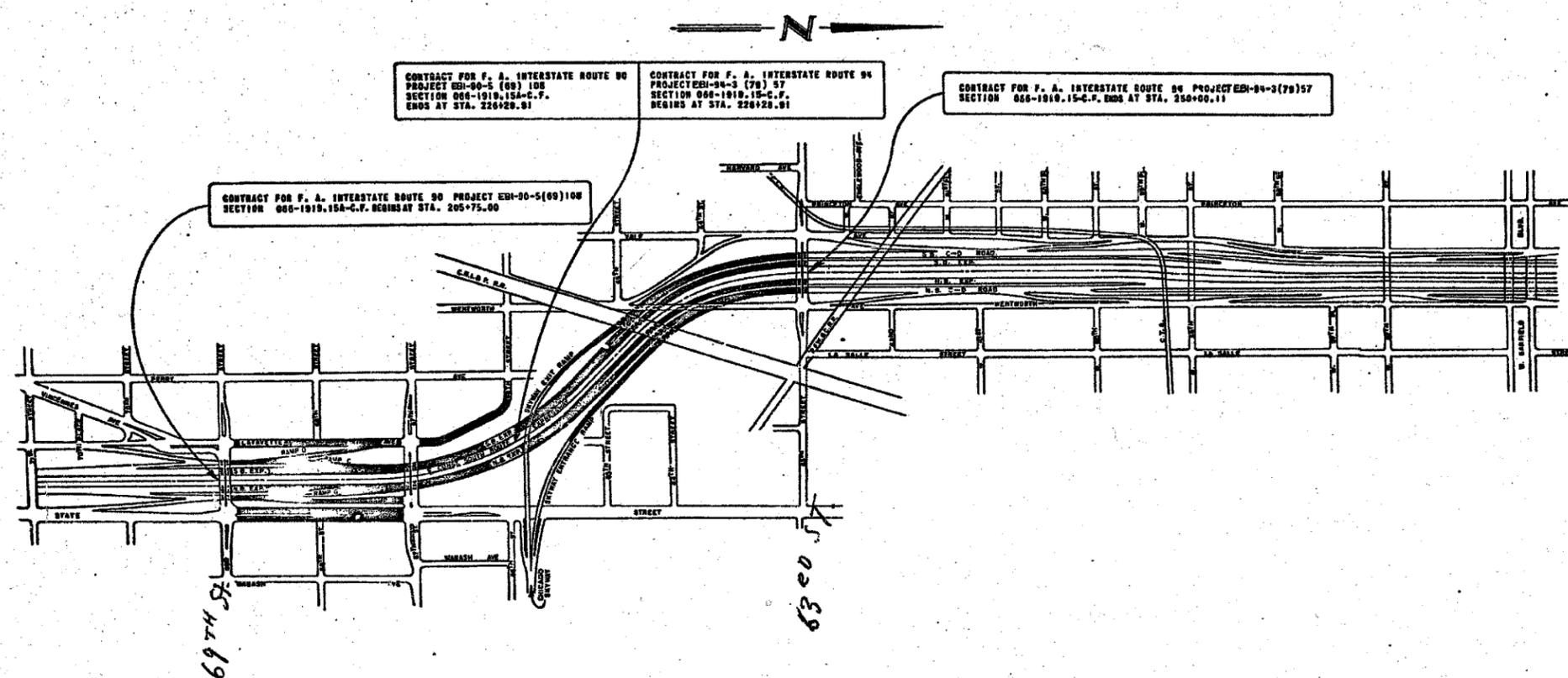
CITY OF CHICAGO  
 POPULATION 3,516,258  
 TOWN OF LAKE  
 SECTION 21-38-14

SECTIONS 066-1919.15-C.F.  
 & 066-1919.15A-C.F.  
 WEST 69<sup>TH</sup> STREET TO WEST 63<sup>RD</sup> STREET

County	Fiscal Year	Sheet No.	Total Sheets
066	1990	7	121

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	312	242

STA. TO STA.  
 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT  
 60A62 \* 1919.15, 2021-922 PT1 & PT2) R-1



COUNTY OF COOK  
 DEPARTMENT OF HIGHWAYS  
 WILLIAM J. COSTELLO  
 COUNTY ENGINEER

LOCATION OF PROPOSED PROJECT

COMPUTER: APPROVED: [Signature]  
 DRAWN: M.L.F. [Signature]  
 CHECKED: K.C.C. [Signature]

DE LEUKATHER & COMPANY  
 CONSULTING ENGINEERS

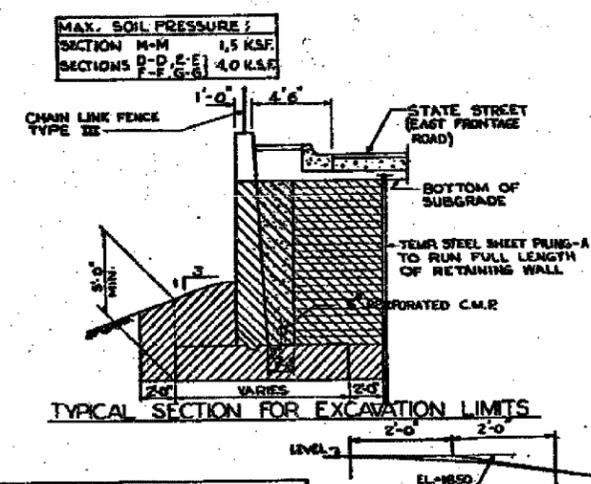
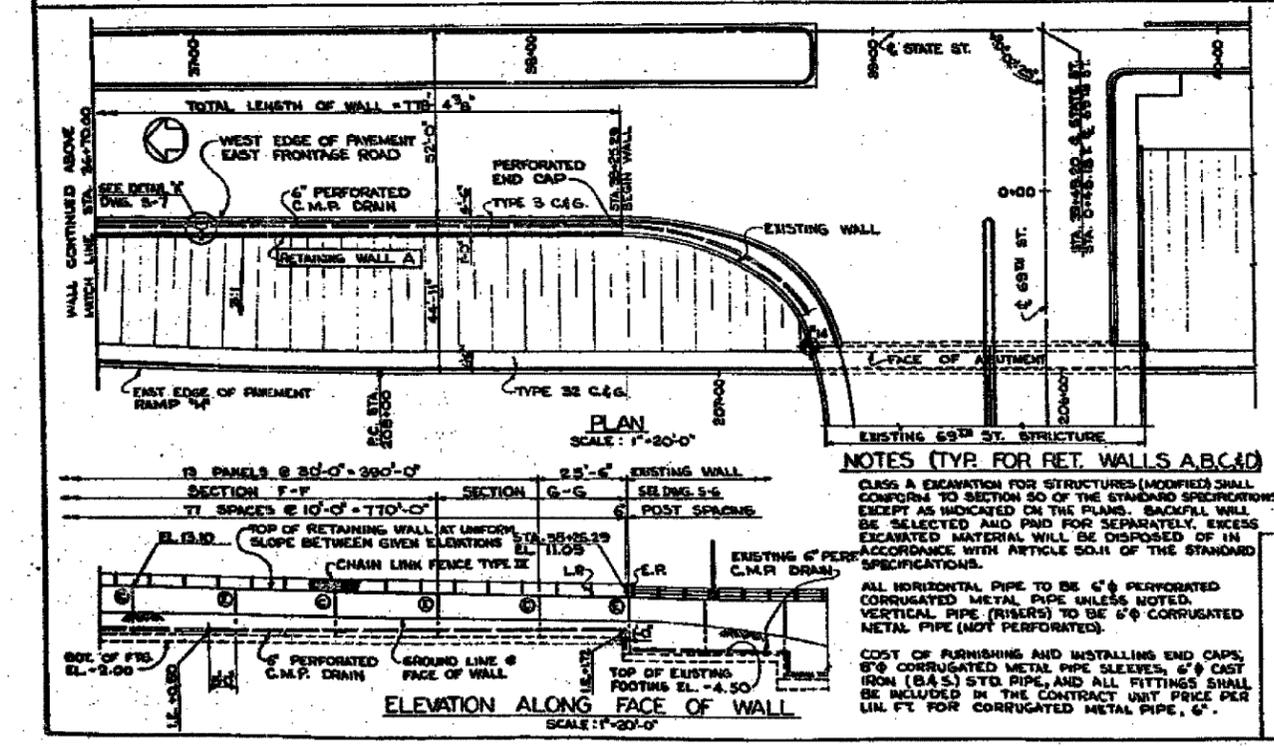
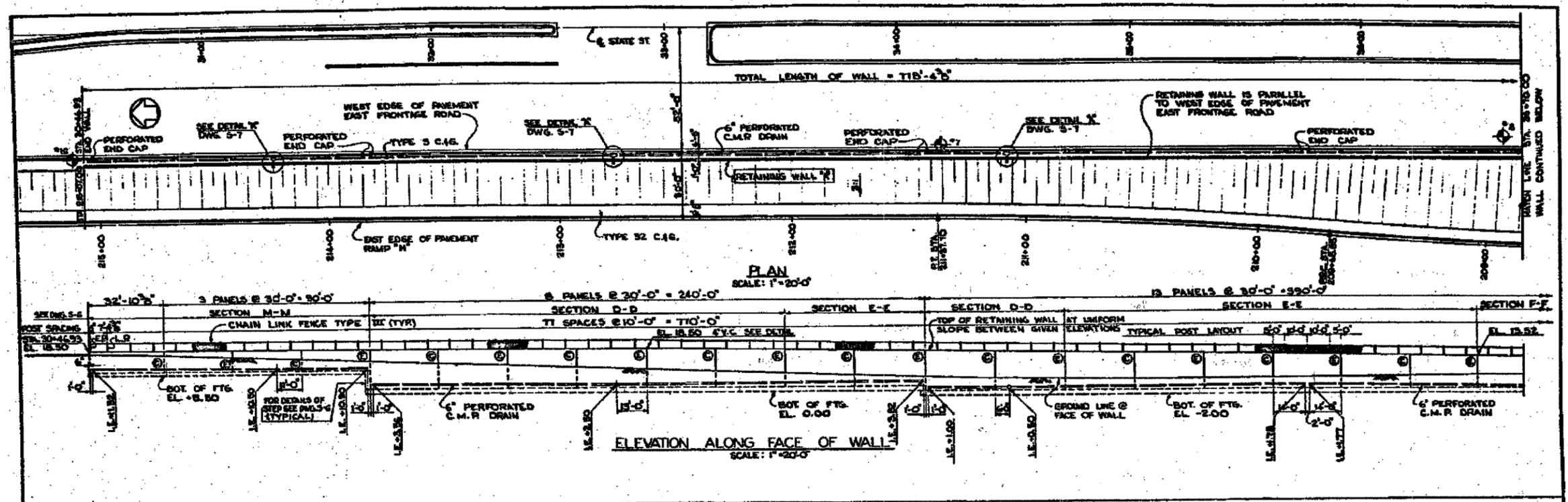
Sheet EXRW1 of 3

REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
 63RD STREET TO GARFIELD BLVD (NB LOCAL LANES)  
 EXISTING PLANS  
 EXISTING RETAINING WALL A  
 COOK COUNTY S.N. 016-W923

SCALE: None  
 DATE: June 9, 2006  
 DRAWN BY: MRK  
 CHECKED BY: JS

F:\P-40466-Struc\08-Ctrl\889\Ctrl\889\K1818\K1818A\001.dwg 11:37:45 AM 6/22/2006



**NOTES**

- EXPANSION JOINT - FOR DETAILS SEE DWG-S-7
- CONSTRUCTION JOINT - E.P. - END POST
- C.P. - CORNER POST - FOR DETAILS OF CHAIN LINK FENCE TYPE III SEE SHEET 110
- L.P. - LINE POST
- C.M.P. - CORRUGATED METAL PIPE
- I.E. - INVERT ELEVATION
- TEST BORING SEE SHY. NO. 102 TO 107
- FOR GENERAL LOCATION SEE SITE PLAN DWG 5-1
- FOR FURTHER INFORMATION SEE GENERAL SPECIFICATIONS AND SPECIAL PROVISIONS.

**BILL OF MATERIALS**

ITEM	UNIT	QUANTITY
CLASS 1" CONCRETE	CU. YDS	1177.0
REINFORCEMENT BARS	LBS.	92,400
CLASS 1" EXCAVATION FOR STRUCTURES	CU. YDS	1,552
CLASS 1" EXCAVATION FOR STRUCTURES (MOD.)	CU. YDS	2,040
SAND OR GRAVEL EMBANKMENT	TONS	3,187
POROUS GRANULAR EMBANKMENT	CU. YDS	626
PERFORATED CORRUGATED METAL PIPE, 6"	LIN. FT.	766
CHAIN LINK FENCE TYPE III	LIN. FT.	778

**DEPARTMENT OF HIGHWAYS**  
COOK COUNTY, ILLINOIS

**RETAINING WALL A**  
SOUTH ROUTE EXPRESSWAY

COMPUTED: E.L.C.  
DRAWN: E.L.C.  
CHECKED: E.L.C.

PROJECT: 63RD ST. TO GARFIELD BLVD. (NB LOCAL LANES)  
SCALE: AS SHOWN  
APPROVED: [Signature]

DATE: 06-09-2006

**NOTES (TYP. FOR RET. WALLS A, B, C, & D)**

CLASS A EXCAVATION FOR STRUCTURES (MODIFIED) SHALL CONFORM TO SECTION 50 OF THE STANDARD SPECIFICATIONS EXCEPT AS INDICATED ON THE PLANS. BACKFILL WILL BE SELECTED AND PAID FOR SEPARATELY. EXCESS EXCAVATED MATERIAL WILL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 50.11 OF THE STANDARD SPECIFICATIONS.

ALL HORIZONTAL PIPE TO BE 6" PERFORATED CORRUGATED METAL PIPE UNLESS NOTED. VERTICAL PIPE (RISERS) TO BE 6" CORRUGATED METAL PIPE (NOT PERFORATED).

COST OF FURNISHING AND INSTALLING END CAPS, 6" CORRUGATED METAL PIPE SLEEVES, 6" CAST IRON (B.A.S.) STD. PIPE, AND ALL FITTINGS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER LIN. FT. FOR CORRUGATED METAL PIPE, 6".

**LEGEND**

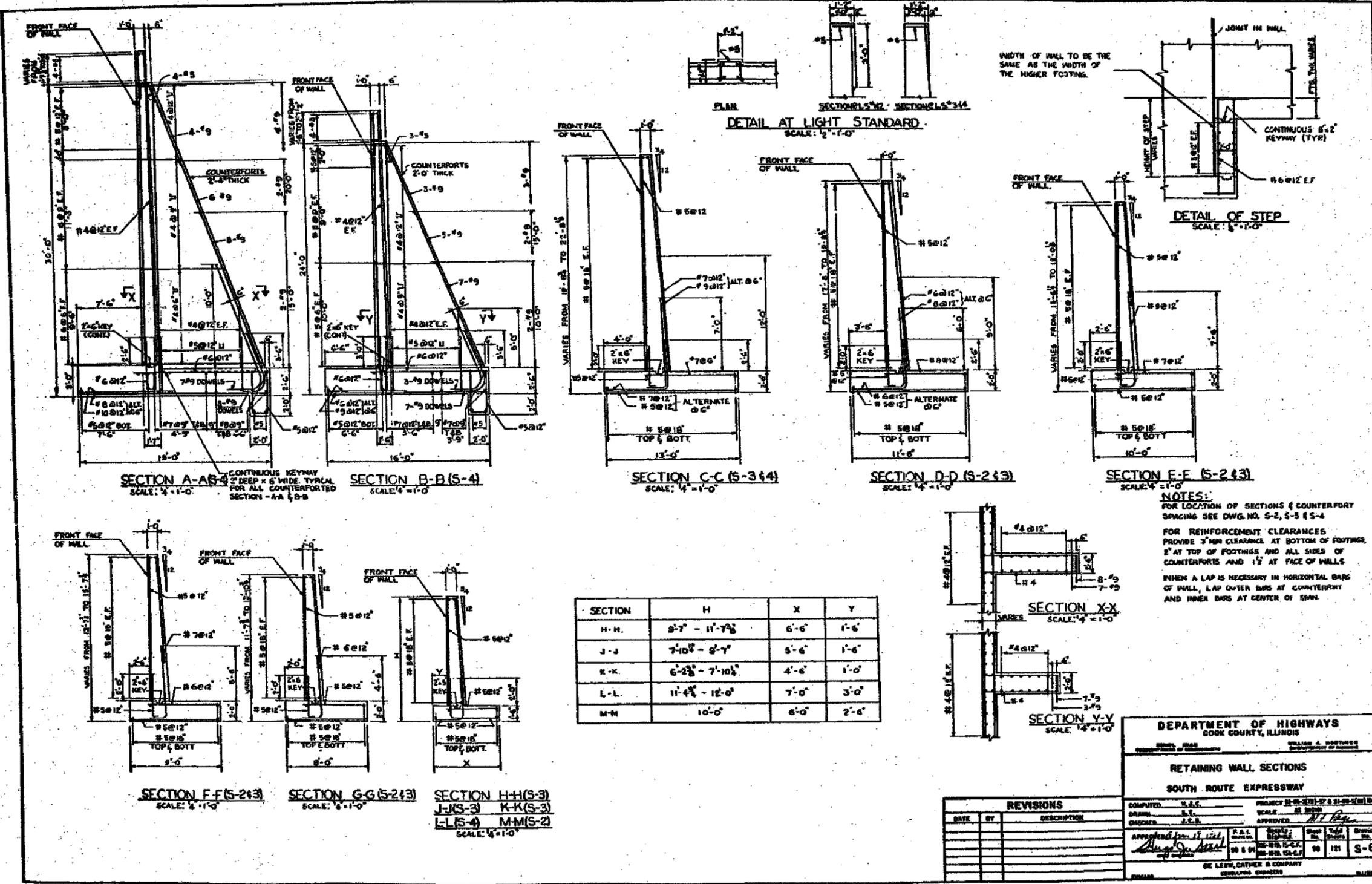
- CLASS 1" EXCAVATION
- CLASS 1" EXCAVATION (MOD.)
- SAND OR GRAVEL EMBANKMENT
- POROUS GRANULAR EMBANKMENT

**DETAIL - VERTICAL CURVE**

NO.	DATE	DESCRIPTION

**REVISIONS**

NO.	DATE	DESCRIPTION



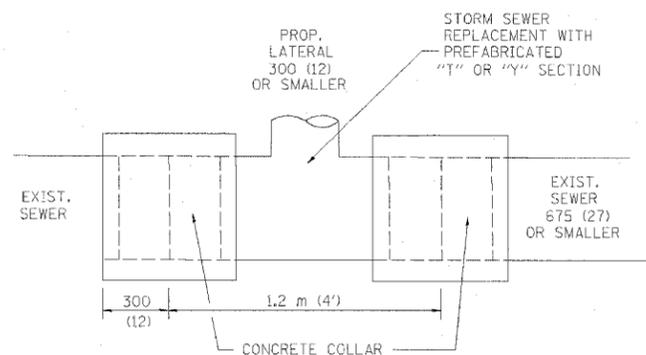
REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
 63RD STREET TO GARFIELD BLVD (NB LOCAL LANES)  
 EXISTING PLANS  
 EXISTING RETAINING WALL A  
 COOK COUNTY S.N. 016-W923

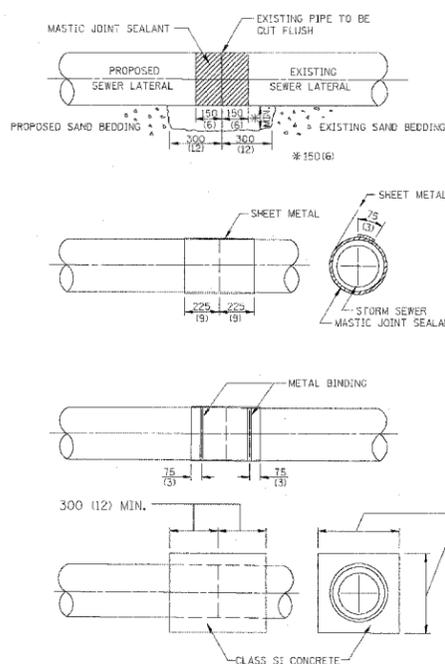
SCALE: None DRAWN BY: MRK  
 DATE: June 9, 2006 CHECKED BY: JS

F. A. BTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9094		COOK	312	245
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS		FED. AID PROJECT	

(1919.15, 2021-922 PT1 & PT2) R-1



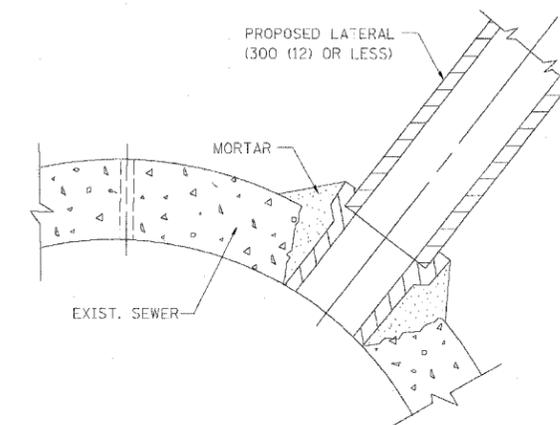
DETAIL "A"  
LATERAL CONNECTION TO EXISTING SEWER  
OF 675 (27) OR SMALLER



DETAIL "B"  
CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 150 (6) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 300 x 150 (12 x 6) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 450 (18) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 75 (3) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 225 (9) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 75 (3) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.



DETAIL "C"  
PROPOSED LATERAL  
CONNECTION TO EXISTING SEWER  
OF 750 (30) OR LARGER

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
  - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 675 (27) OR SMALLER SEE DETAIL "A" AND "B".
  - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 750 (30) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS. THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.

ILLINOIS DEPARTMENT OF TRANSPORTATION

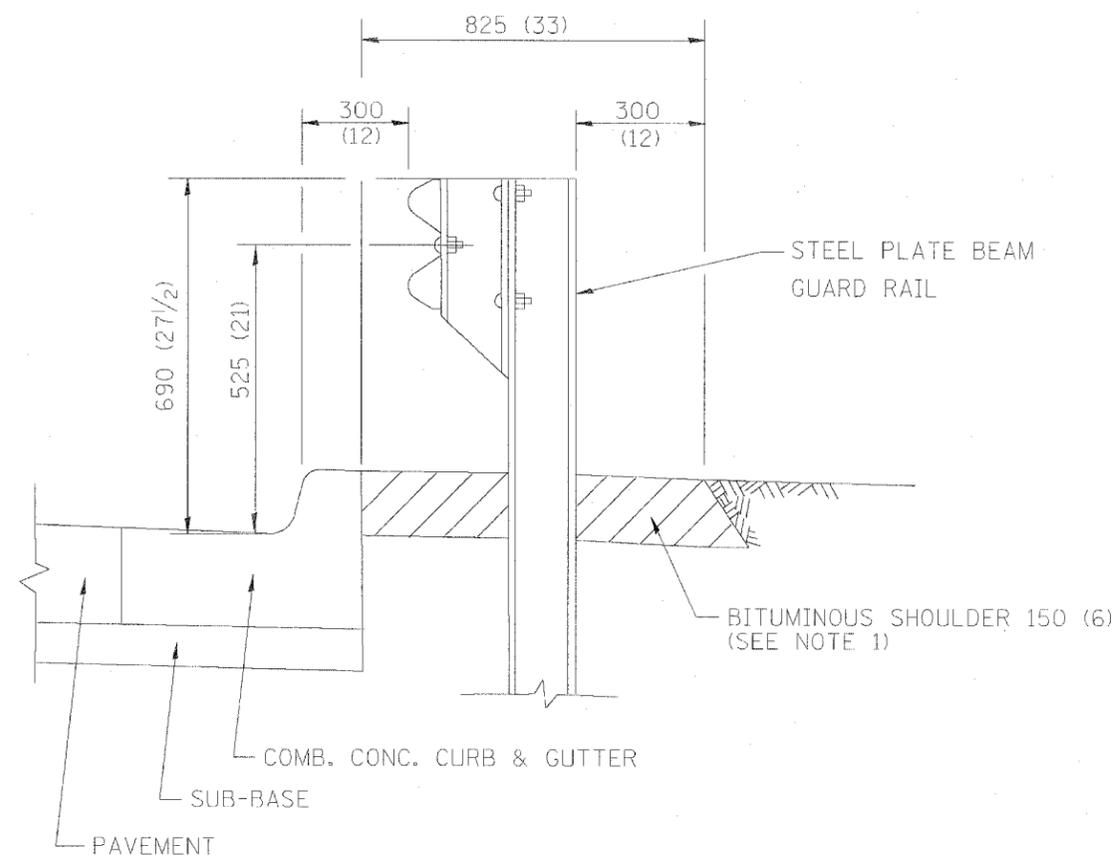
DETAIL OF STORM SEWER  
CONNECTION TO EXISTING SEWER

REVISIONS	
NAME	DATE
M. DE YONG	07/25/90
M. DE YONG	02/05/92
M. DE YONG	05/08/92
R. SHAH	09/09/94
R. SHAH	10/25/94
R. SHAH	06/12/96

SCALE: NONE  
DATE 10/18/2002

DRAWN BY CADD  
CHECKED BY  
BD500-01 (BD-7)  
REVISION DATE: 06/12/96

F.A. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9094	*	COOK	312	246
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
60A62	*(1919.15, 2021-822 PT1 & PT2) R-1			

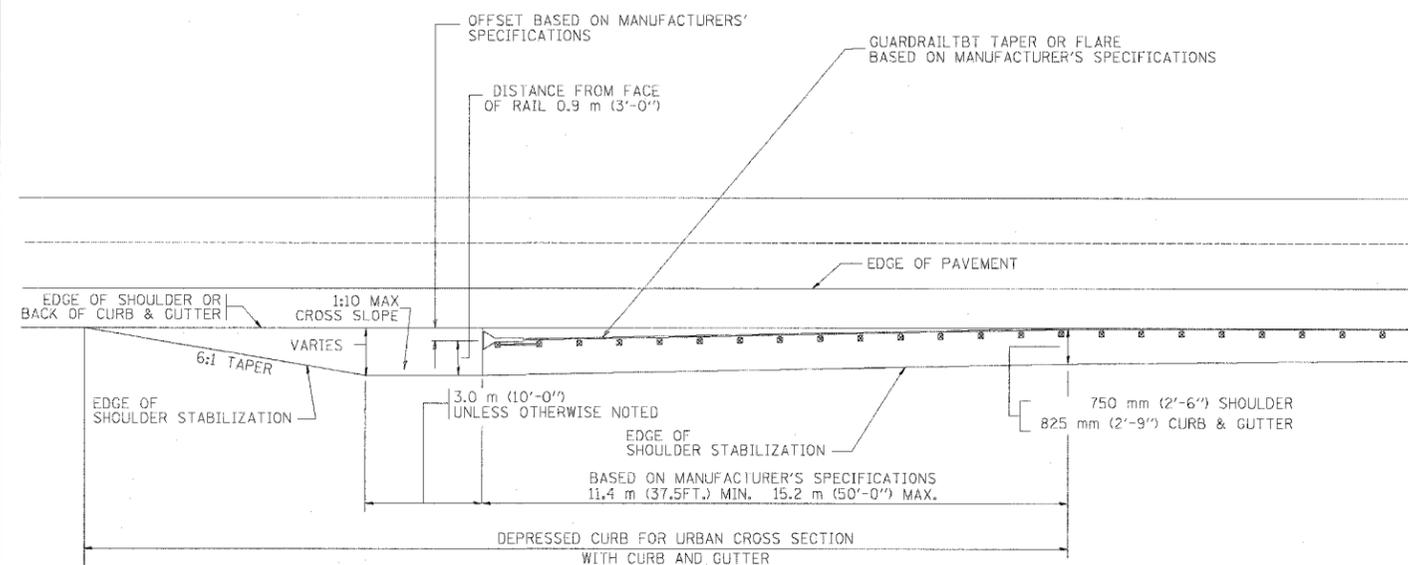


- NOTES: 1. THE BITUMINOUS SHOULDER SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL
2. GUARD RAIL MAY BE PLACED AT THE BACK OF CURB WHEN DIRECTED BY THE ENGINEER.

BASIS OF PAYMENT: BITUMINOUS SHOULDER 150 (6) WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER m<sup>2</sup> (sq. yd.) AS "BITUMINOUS SHOULDER 150 (6)."

STEEL PLATE BEAM GUARD RAIL AND TRAFFIC BARRIER TERMINAL, OF THE TYPE SPECIFIED WILL BE PAID FOR SEPARATELY.

DETAILS FOR STEEL PLATE BEAM GUARD RAIL ADJACENT TO CURB AND GUTTER  
[FOR ROADWAY SPEED 60 kmh (35 MPH) TO 70 kmh (45 MPH)]



STABILIZATION AT TBT TY. 1 SPL.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.

ILLINOIS DEPARTMENT OF TRANSPORTATION

**DETAILS FOR STEEL PLATE BEAM GUARD RAIL ADJACENT TO CURB AND GUTTER**

**STABILIZATION AT TBT TY 1 SPL.**

REVISIONS	
NAME	DATE
M. DE YONG	09-22-90
M. DE YONG	07-14-92
R. SHAH	09/09/94
R. SHAH	10/25/94
R. SHAH	02/23/95
A. ABBAS	03/21/97
E. GOMEZ	08/28/00

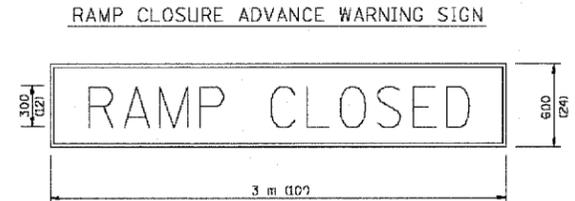
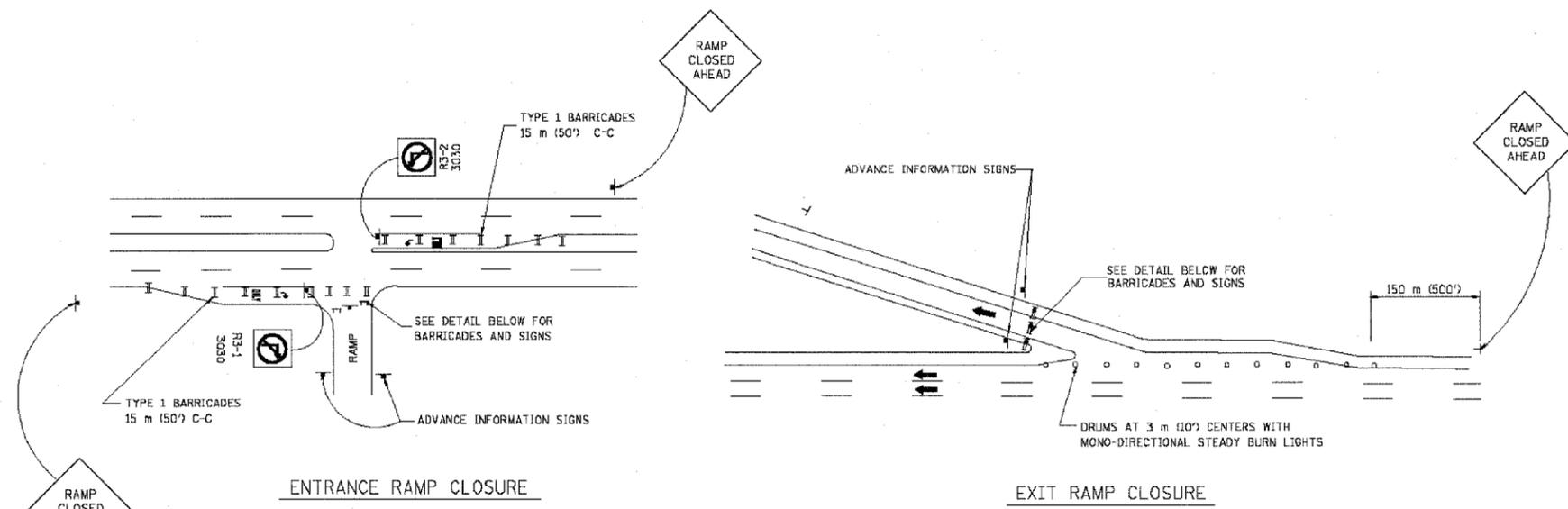
SCALE: NONE  
DATE 10/18/2002

DRAWN BY J's  
CHECKED BY

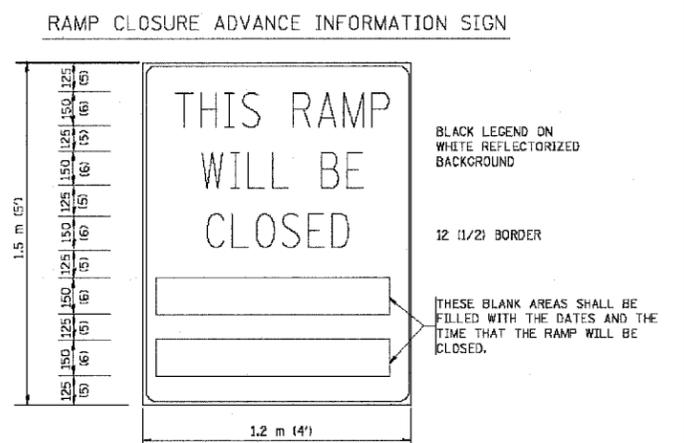
BD600-10 (BD 34)  
REVISION DATE: 08/28/00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	312	247
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

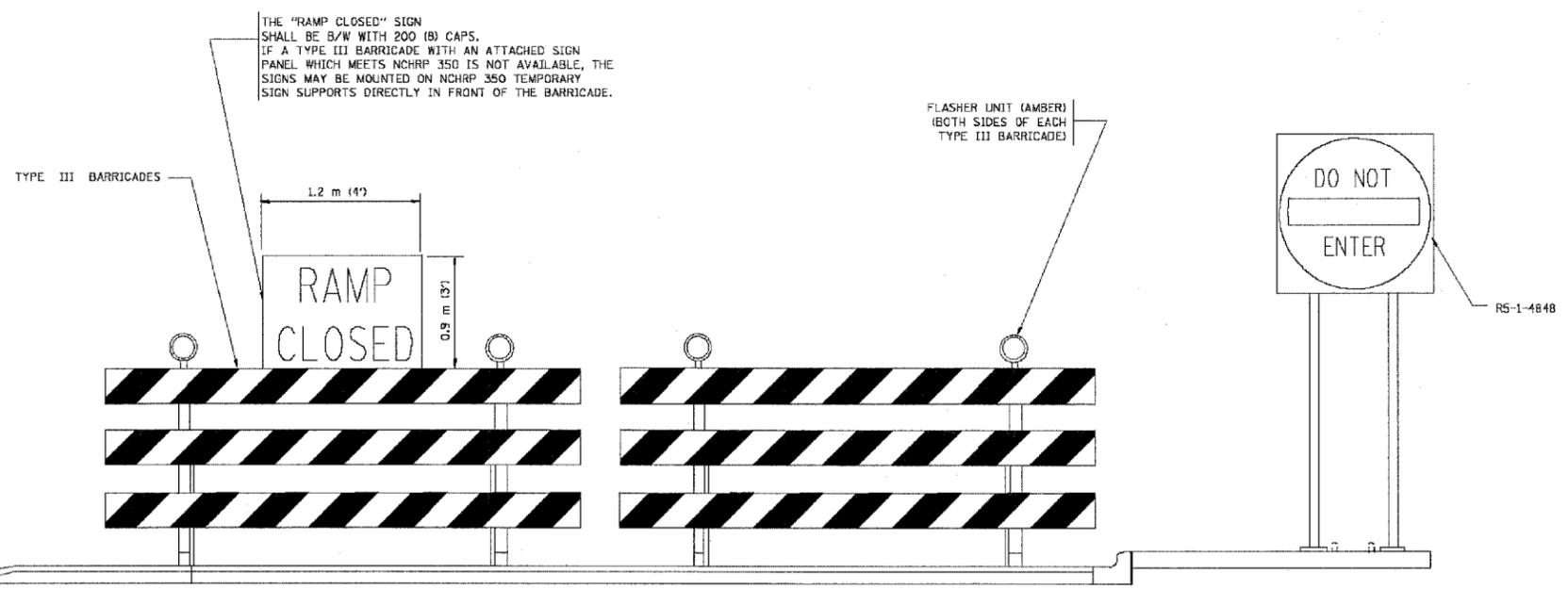
(1919.15, 2021-922 PT1 & PT2) R-1



BLACK LEGEND ON ORANGE REFLECTORIZED BACKGROUND  
25 (1) BORDER  
THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR THE CLOSED EXIT RAMPS.



THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, 4 MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.



THE "RAMP CLOSED" SIGN SHALL BE B/W WITH 200 (8) CAPS. IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGNS MAY BE MOUNTED ON NCHRP 350 TEMPORARY SIGN SUPPORTS DIRECTLY IN FRONT OF THE BARRICADE.

FLASHER UNIT (AMBER) (BOTH SIDES OF EACH TYPE III BARRICADE)

- GENERAL NOTES:
- CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 700 (28) HIGH.
  - STEADY BURN LIGHTS WILL NOT BE REQUIRED FOR DAY OPERATIONS.
  - A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES.
  - FOR DAYTIME RAMP CLOSURES, LASTING 6 HOURS OR LESS, THE CONTRACTOR MAY ELIMINATE THE ADVANCE WARNING SIGNS ON THE EXIT GUIDE SIGNS.
  - ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED.
  - THE SIGNING AND BARRICADE WHICH IS REQUIRED BY THIS DETAIL SHALL BE CONSIDERED INCIDENTAL TO TRAFFIC CONTROL AND PROTECTION.
  - AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.

- NOTES:
- CONES MAY BE SUBSTITUTED FOR TYPE I AND TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28" IN HEIGHT.
  - STEADY BURN LIGHTS WILL NOT BE REQUIRED FOR DAY OPERATIONS.
  - THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS.
  - ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED TWENTY FOUR (24) HOURS IN LENGTH.

REVISIONS	
NAME	DATE
DWS	2-83
DWS	1/90
DWS	9/94
DWS	12/94
DWS/JAF	12/02
Revise devices to meet NCHRP 350	4/03

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.

ILLINOIS DEPARTMENT OF TRANSPORTATION

**FREWAY ENTRANCE AND EXIT RAMP CLOSURE DETAILS**

SCALE: NONE  
DATE: 05/06/2003

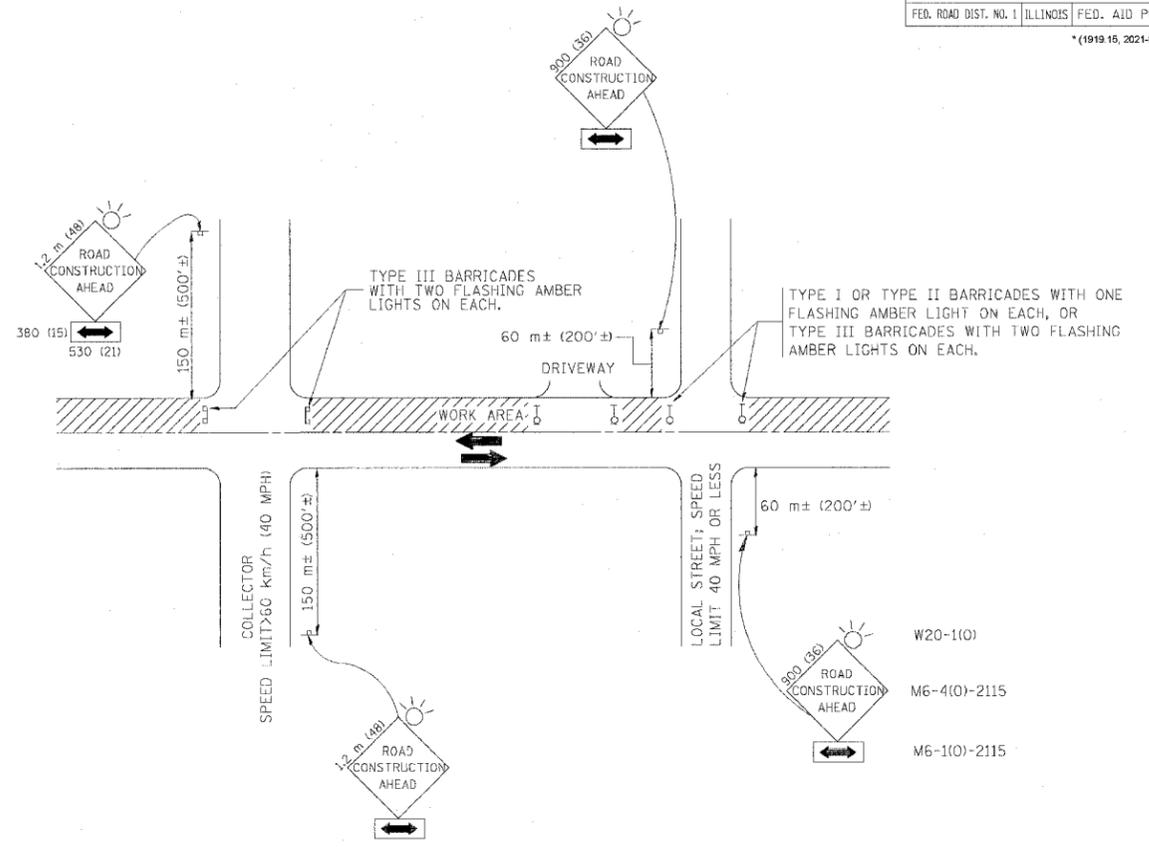
DRAWN BY: TC-B  
CHECKED BY: TC-B

REVISION DATE: 04/03/03



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9094	*	COOK	312	249
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

\*(1919-15, 2021-922 PT1 & PT2) R-1



**TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

**NOTES:**

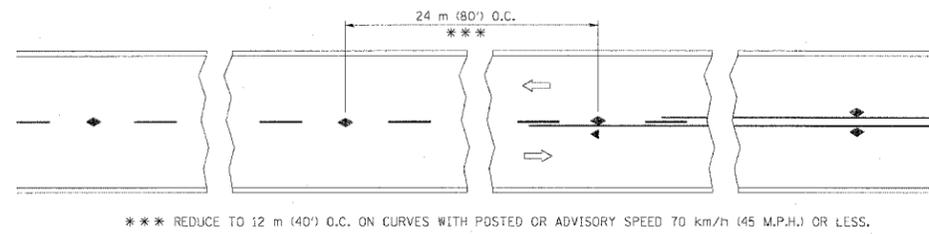
- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS**
- SIDE ROAD WITH A SPEED LIMIT OF 60 km/h (40 MPH) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
    - ONE **ROAD CONSTRUCTION AHEAD** SIGN 900x900 (36x36) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 60 m (200') IN ADVANCE OF THE MAIN ROUTE.
    - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
  - SIDE ROAD WITH A SPEED LIMIT GREATER THAN 60 km/h (40 MPH) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
    - ONE **ROAD CONSTRUCTION AHEAD** SIGN 1.2 m x 1.2 m (48x48) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 150 m (500') IN ADVANCE OF THE MAIN ROUTE.
    - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
  - WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:**
- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.**
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.**

REVISIONS	
NAME	DATE
LHA	6/89
T. RAMMACHER	09/08/94
J. OBERLE	10/18/95
A. HOUSEH	03/06/96
A. HOUSEH	10/15/96
T. RAMMACHER	01/06/00

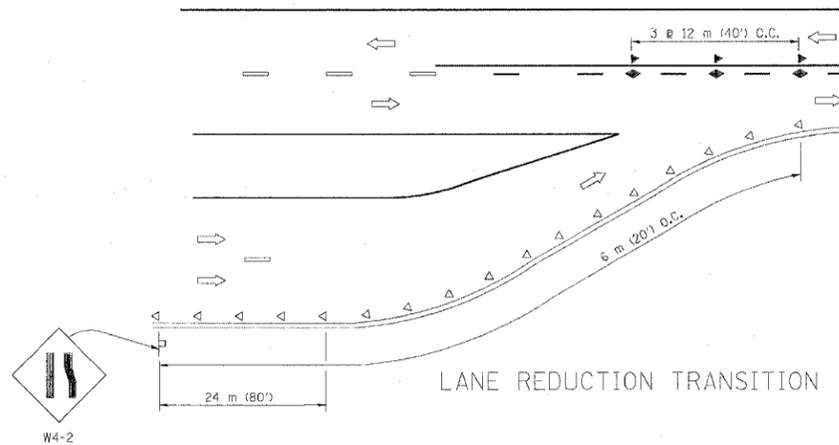
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**TRAFFIC CONTROL AND PROTECTION  
 FOR  
 SIDE ROADS, INTERSECTIONS, AND  
 DRIVEWAYS**

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_  
 DATE 10/18/2002

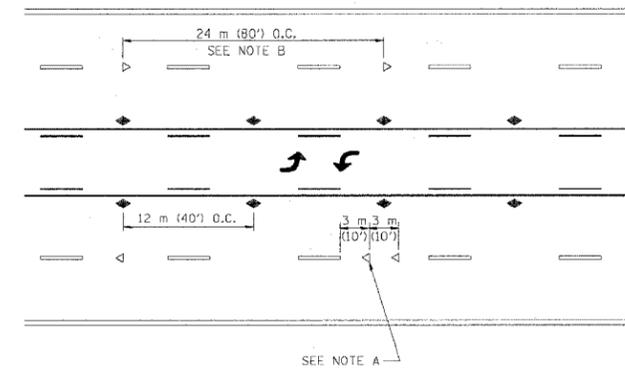
DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_  
 TC-10  
 REVISION DATE: 01/06/00



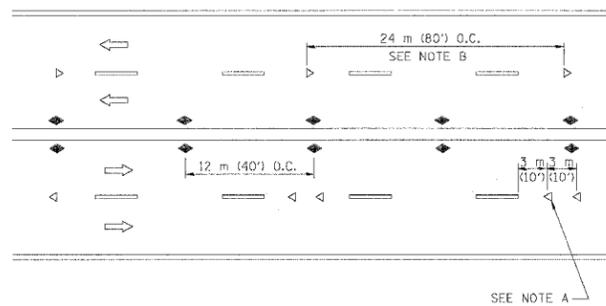
TWO-LANE/TWO-WAY



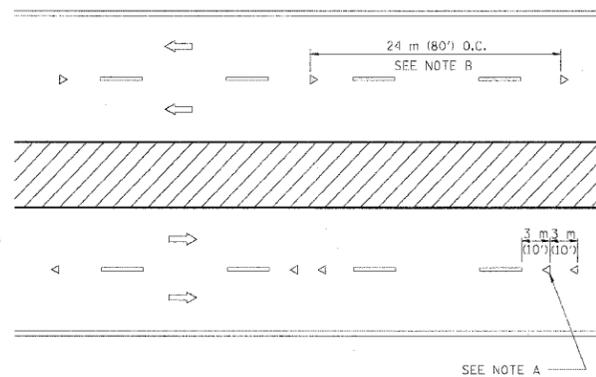
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 50 TO 75 (2 TO 3) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 150 m (500') IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

LANE MARKER NOTES

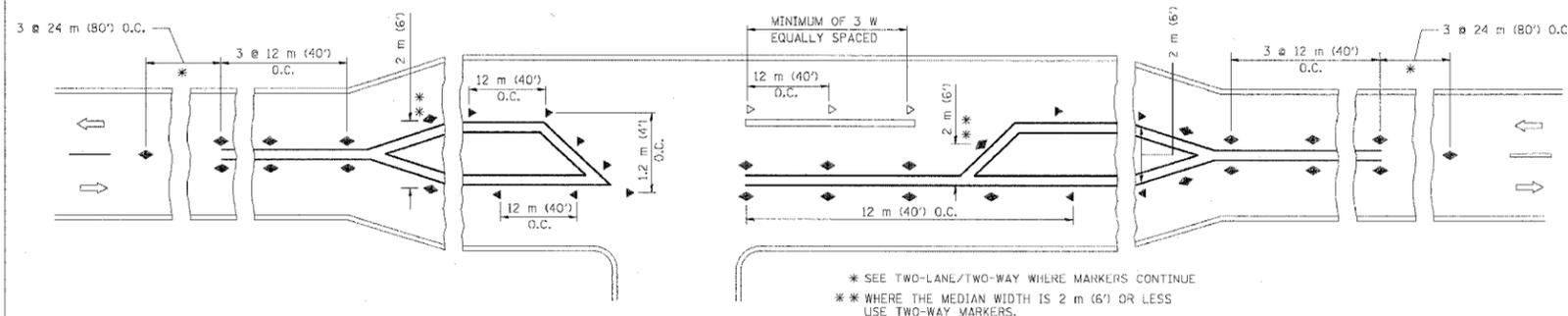
3. REDUCE TO 12 m (40') O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 20 km/h (10 M.P.H.) LOWER THAN POSTED SPEEDS.
- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

SYMBOLS

- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- < ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHOULD BE INCLUDED IN THE PLANS.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



LEFT TURN

All dimensions are in millimeters (inches) unless otherwise shown.

ILLINOIS DEPARTMENT OF TRANSPORTATION  
TYPICAL APPLICATIONS  
RAISED REFLECTIVE PAVEMENT MARKERS  
(SNOW-PLOW RESISTANT)

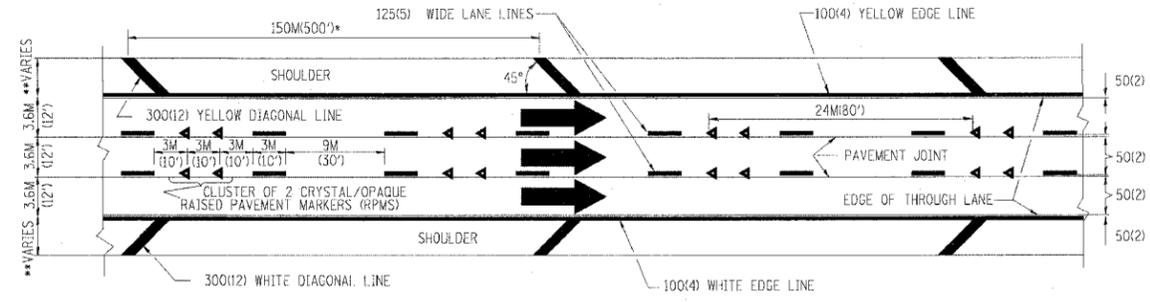
REVISIONS		
NAME	DATE	
T. RAMMACHER	09-13-94	
T. RAMMACHER	03-12-99	
T. RAMMACHER	01-06-00	

SCALE: NONE  
DATE: 10/18/2002

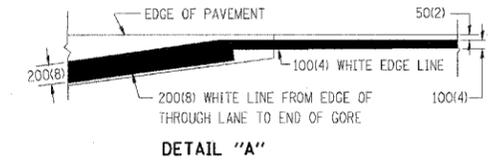
DRAWN BY CADD  
CHECKED BY TC-11

F. A. No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8084		COOK	312	251
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS		
		FED. AID PROJECT		
*(19)19, 2021-922 PT1 & PT2) R-1				

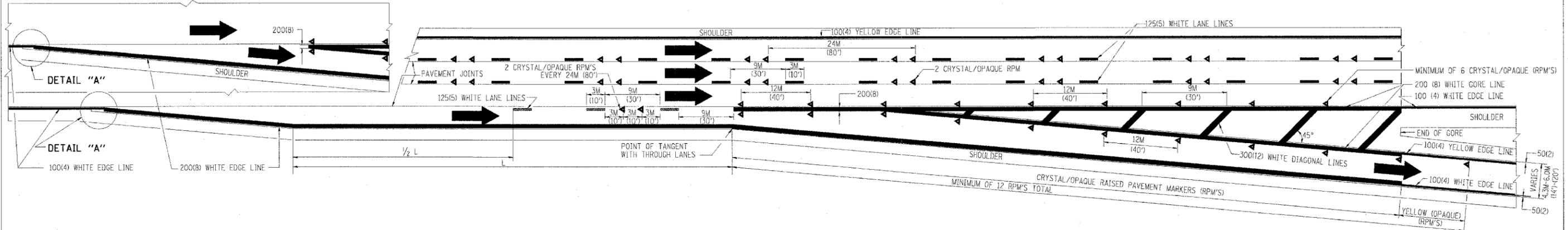
- THE DIAGONAL LINES SHALL BE SPACED AT 12M (40') C-C ACROSS ALL STRUCTURES WHICH ARE 150M (500') OR LESS IN LENGTH
- THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 1.8M (6') OR LESS IN WIDTH



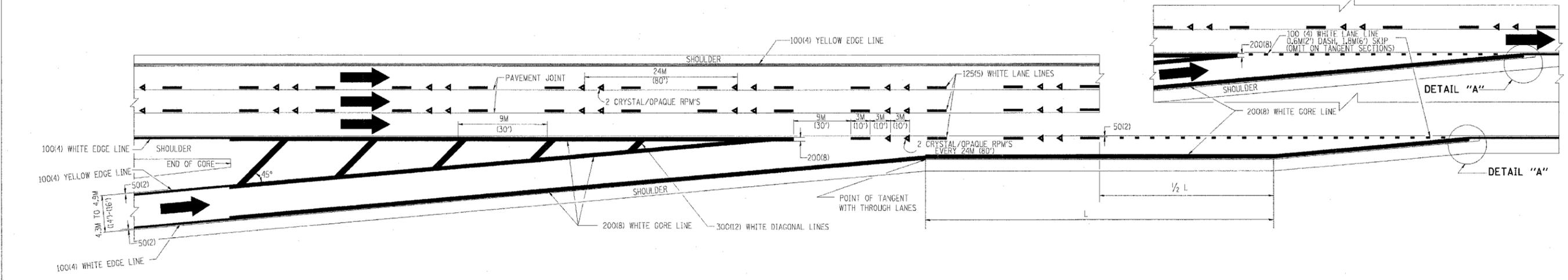
- NOTES:**
1. THERMO PLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR THE EDGE LINES, GORE LINES, AND DIAGONAL LINES ON BITUMINOUS PAVEMENT ONLY.
  2. PREFORMED PLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR ALL LANE LINES
  3. PREFORMED PLASTIC PAVEMENT MARKING LINE SHALL BE USED ON PCC PAVEMENT.



**TYPICAL EDGE LINES & LANE LINES**



**TYPICAL EXIT RAMP PAVEMENT MARKINGS**



**TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS**

REVISIONS	
NAME	DATE
DWS	1/90
DWS	5/91
AH	3/96
DWS	7/96

ILLINOIS DEPARTMENT OF TRANSPORTATION

**MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS**

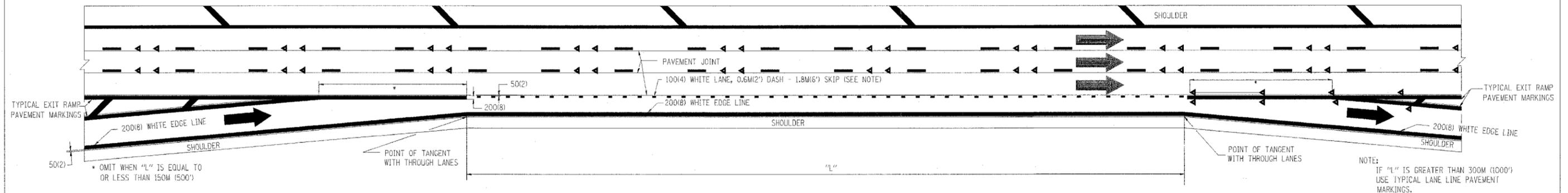
SCALE: NONE  
DATE: 10/18/2002

DRAWN BY C.A.D.D.  
CHECKED BY TC12 SHEET 1 OF 2  
REVISION DATE: 01/01/96

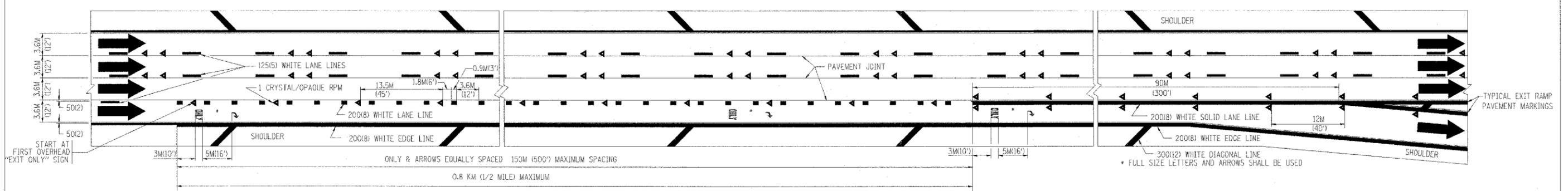
\*DATE-TIME\*  
\*DGN-SPEC\*  
\*VITC12

F.A. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
9094	*	COOK	312	252
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

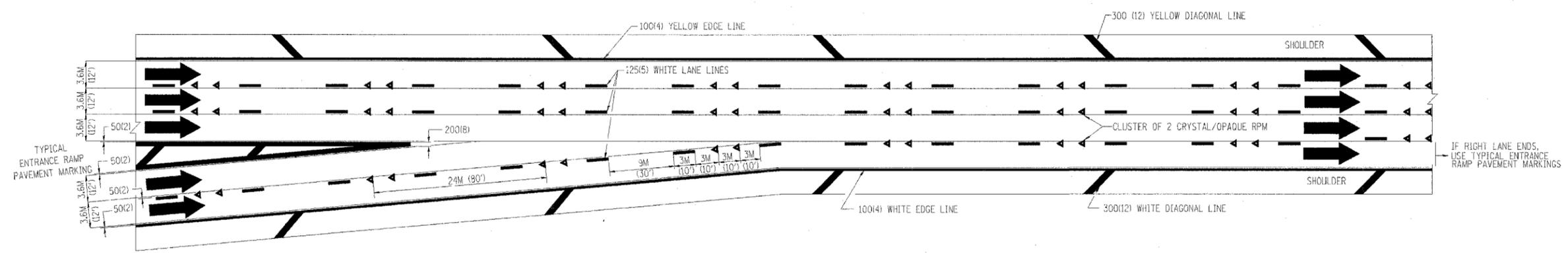
\*(1918 15, 2021-922 PT1 & PT2) R-1



**TYPICAL ENTRANCE/EXIT RAMP COMBINATION PAVEMENT MARKINGS**



**TYPICAL EXIT ONLY LANE PAVEMENT MARKINGS**



**TYPICAL TWO LANE ENTRANCE RAMP PAVEMENT MARKINGS**

REVISIONS	
NAME	DATE
DWS	1/90
DWS	5/91

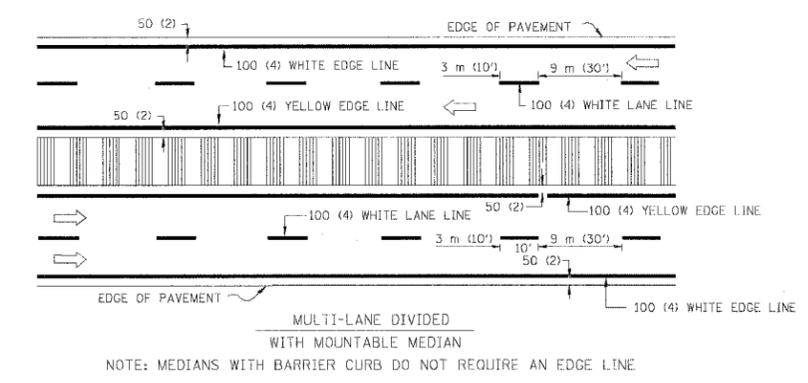
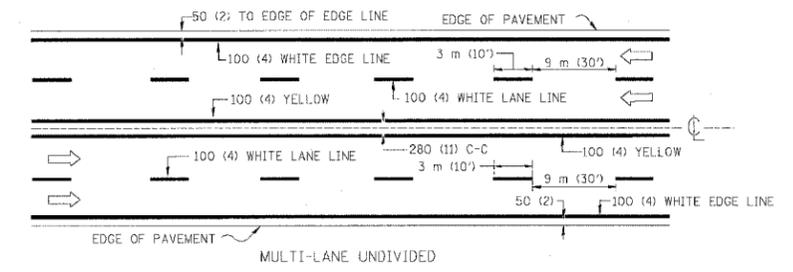
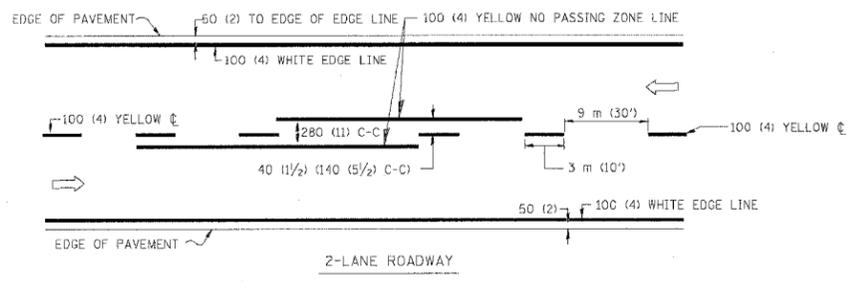
ILLINOIS DEPARTMENT OF TRANSPORTATION

**MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS**

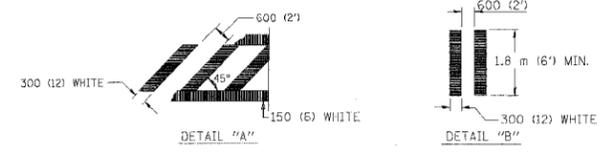
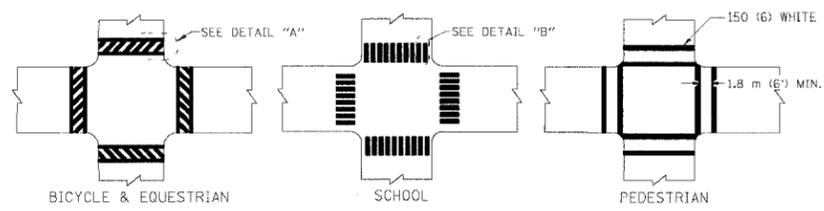
SCALE: NONE  
DATE: 10/18/2002

DRAWN BY C.A.D.D.  
CHECKED BY TC12 SHEET 2 OF 2  
REVISION DATE: 02/01/96

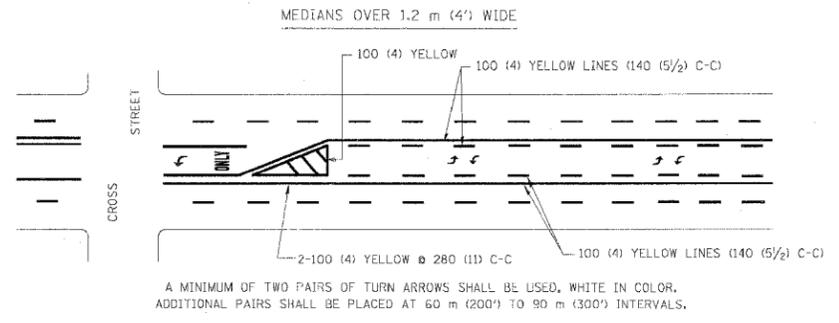
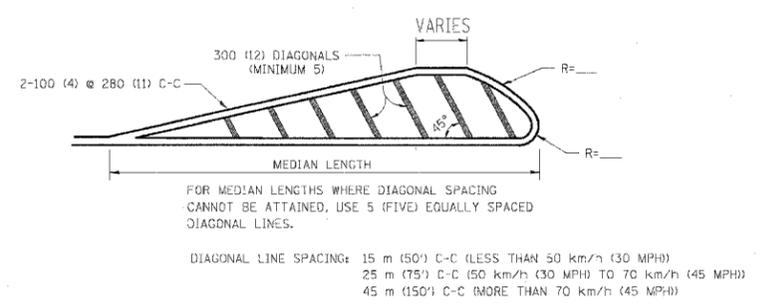
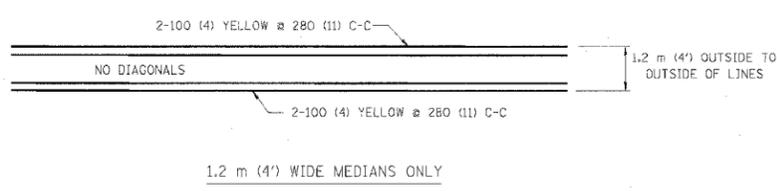
DATE-TIME  
DGN-SPEC  
V-T012



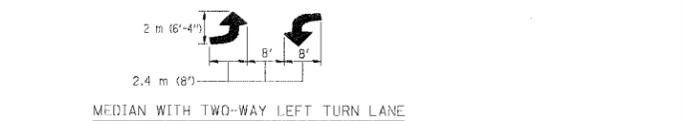
**TYPICAL LANE AND EDGE LINE MARKING**



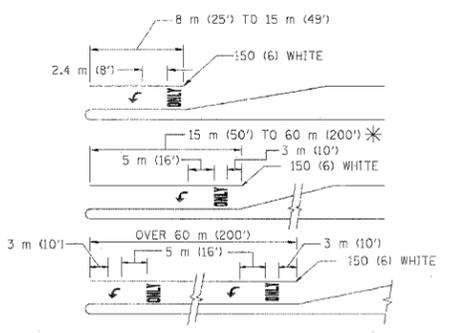
**TYPICAL CROSSWALK MARKING**



**TYPICAL PAINTED MEDIAN MARKING**



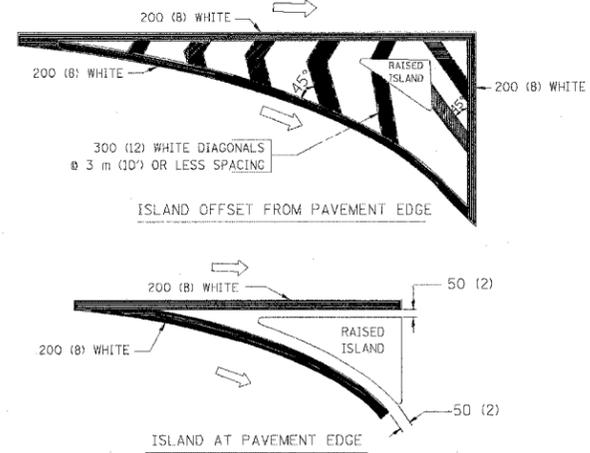
**TYPICAL TURN LANE MARKING**



FULL SIZE LETTERS 2.4 m (8') AND ARROWS SHALL BE USED.  
 AREA = 1.5 m<sup>2</sup> (15.6 SQ. FT.) ONLY AREA = 1.9 m<sup>2</sup> (20.8 SQ. FT.)  
 \* TURN LANES IN EXCESS OF 120 m (400') IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

**TYPICAL LEFT (OR RIGHT) TURN LANE**

**TYPICAL TURN LANE MARKING**



**TYPICAL ISLAND MARKING**

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	100 (4)	SKIP-DASH	YELLOW	3 m (10') LINE WITH 9 m (30') SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 100 (4)	SOLID	YELLOW	280 (11) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	100 (4) 2 @ 100 (4)	SOLID SOLID	YELLOW YELLOW	140 (5 1/2) C-C FROM SKIP-DASH CENTERLINE 280 (11) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	100 (4) 125 (5) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	3 m (10') LINE WITH 9 m (30') SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	600 (2') LINE WITH 1.8 m (6') SPACE
EDGE LINES	100 (4)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	150 (6) LINE; FULL SIZE LETTERS & SYMBOLS (2.4 m (8'))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 100 (4) EACH DIRECTION 2.4 m (8') LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	3 m (10') LINE WITH 9 m (30') SPACE FOR SKIP-DASH; 140 (5 1/2) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 150 (6) 300 (12) @ 45° 300 (12) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 1.8 m (6') APART 600 (2') APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	600 (24)	SOLID	WHITE	PLACE 1.2 m (4') IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE.
PAINTED MEDIANS	2 @ 100 (4) WITH 300 (12) DIAGONALS @ 45° NO DIAGONALS USED FOR 1.2 m (4') WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	280 (11) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	200 (8) WITH 300 (12) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 4.5 m (15') C-C (LESS THAN 50 km/h (30 MPH)) 6 m (20') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH)) 9 m (30') C-C (OVER 70 km/h (45 MPH))
RAILROAD CROSSING	600 (24) TRANSVERSE LINES; "RR" IS 1.8 m (6') LETTERS; 400 (16) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=0.33m <sup>2</sup> (3.6 SQ. FT.) EACH "X"=5.0 m <sup>2</sup> (54.0 SQ. FT.)
SHOULDER DIAGONALS	300 (12) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	15 m (50') C-C (LESS THAN 50 km/h (30 MPH)) 25 m (75') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH)) 45 m (150') C-C (OVER 70 km/h (45 MPH))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in millimeters (inches) unless otherwise shown.

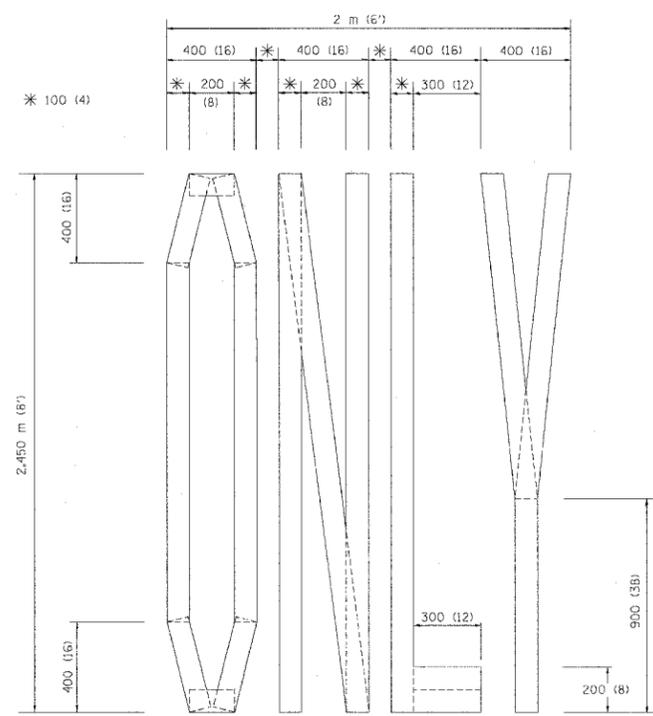
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 DISTRICT ONE  
 TYPICAL PAVEMENT MARKINGS

REVISIONS	
NAME	DATE
EVERS	03-19-90
T. RAMMACHER	10-27-94
ALEX HOUSEH	10-09-96
ALEX HOUSEH	10-17-96
T. RAMMACHER	01-06-00

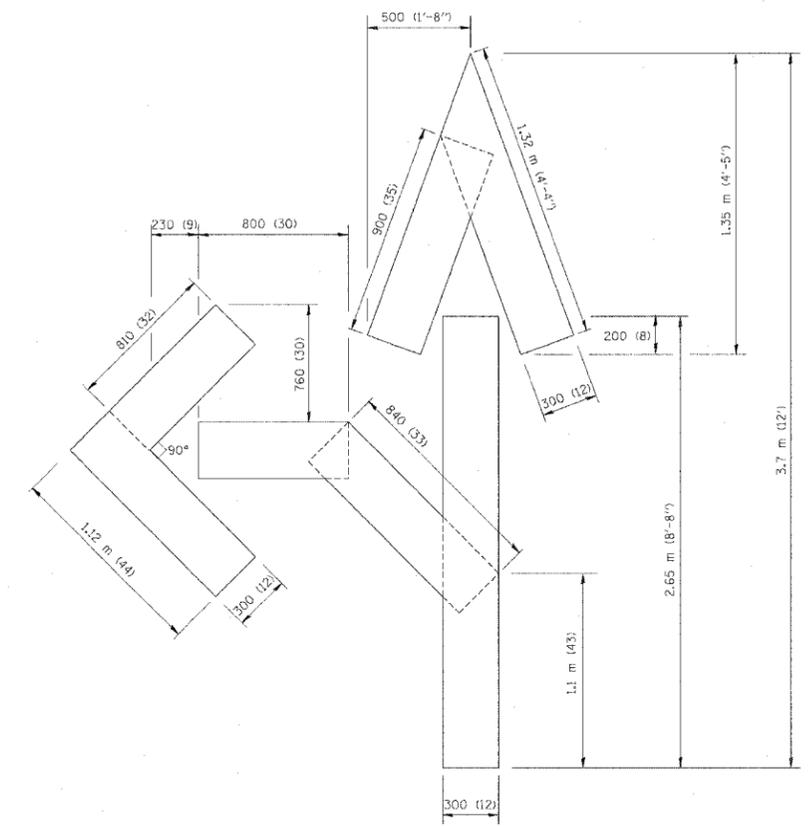
SCALE: NONE  
 DATE 10/18/2002  
 DRAWN BY CADD  
 CHECKED BY

F.A. REF.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9094	*	COOK	312	264
STA.		FD. STA.		
FED. ROAD DIST. NO. 1		FED. AID PROJECT		

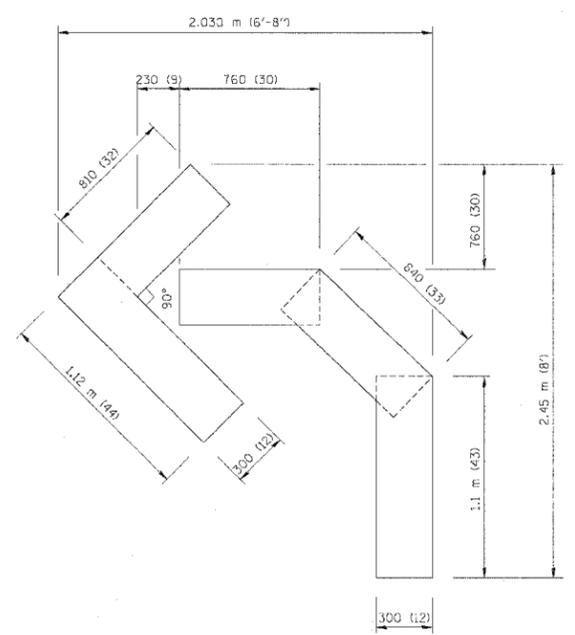
(1919-15, 2021-022 PT1 & PT2) R-1



QUANTITY  
 100 (4) LINE = 19.7 m (64.1 ft.)  
 1.97 sq. m (21.1 sq. ft.)



QUANTITY  
 100 (4) LINE = 25.3 m (82.5 ft.)  
 2.53 sq. m (27.5 sq. ft.)



QUANTITY  
 100 (4) LINE = 13.9 m (45.5 ft.)  
 1.39 sq. m (15.2 sq. ft.)

All dimensions are in millimeters (Inches) unless otherwise shown.

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING  
 LETTERS AND SYMBOLS  
 FOR TRAFFIC STAGING

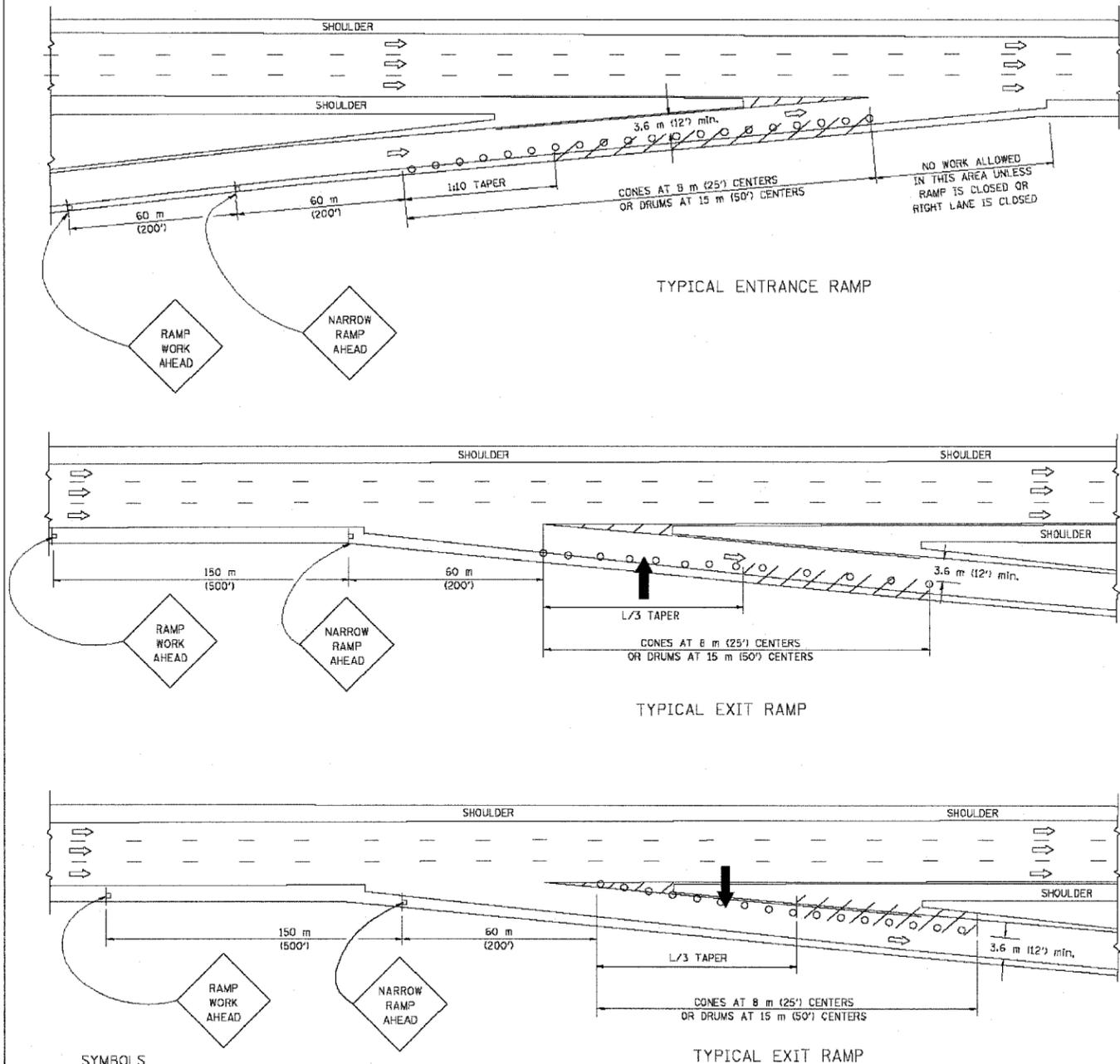
REVISIONS	
NAME	DATE
T. RAMMACHER	09/18/94
J. OBERLE	06/01/96
T. RAMMACHER	06/05/96
T. RAMMACHER	11/04/97
T. RAMMACHER	03/02/98
E. GOMEZ	08/28/00

SCALE: NONE  
 DATE 10/18/2002

DRAWN BY CADD  
 CHECKED BY TC-16

REVISION DATE: 08/28/00

PARTIAL RAMP CLOSURE DETAILS



SYMBOLS

- ARROWBOARD
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- CONES - 700 (28) IN HEIGHT

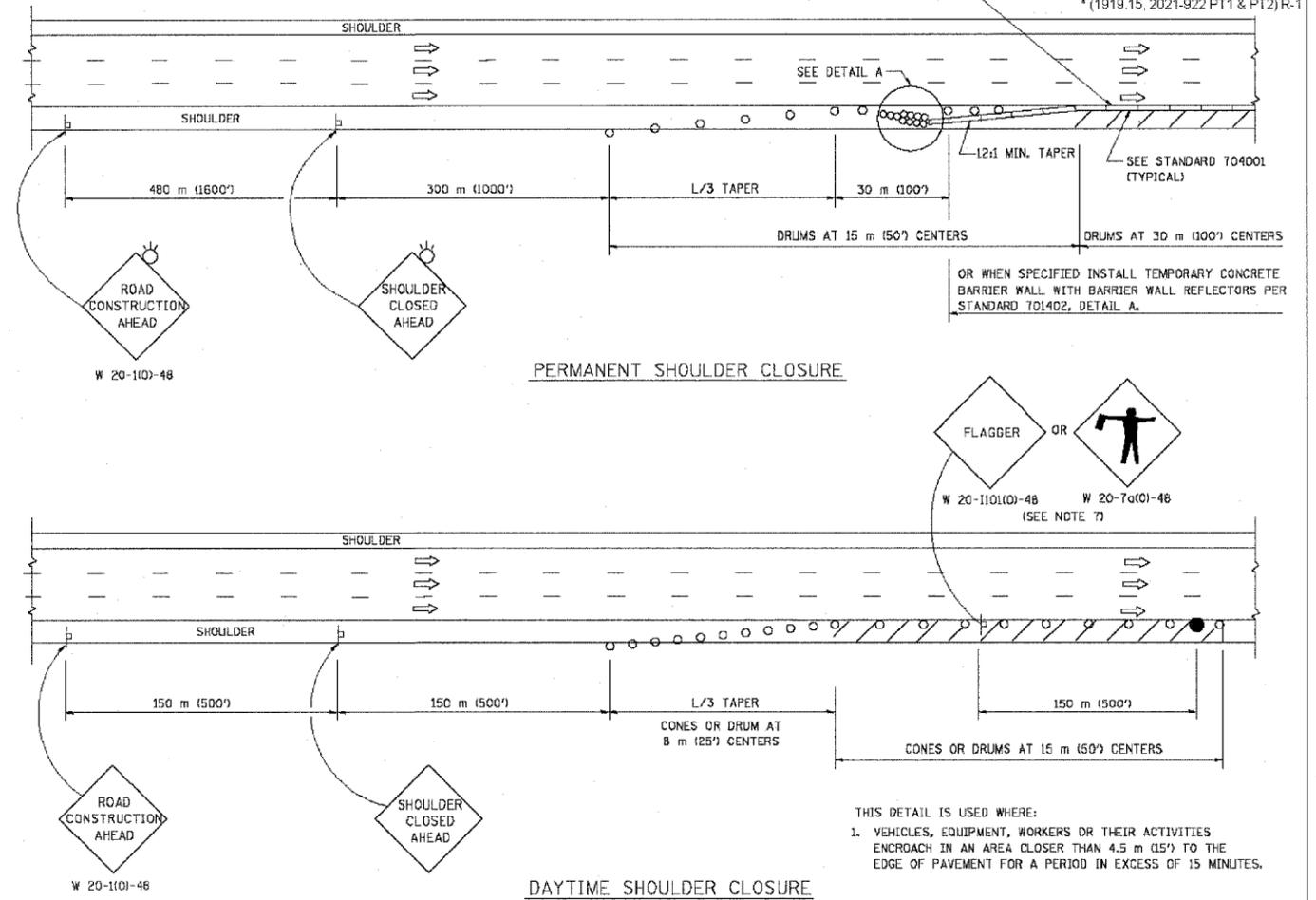
GENERAL NOTES

1. THE "L" DISTANCE EQUALS:  

SPEED LIMIT	FORMULAS
80 km/h (45 mph) OR GREATER:	METRIC: $L = 0.65(W+S)$ ENGLISH: $L = (W+S)$

W = WIDTH OF OFFSET IN METERS (FEET)  
S = NORMAL POSTED SPEED KM/H (MPH)
2. PLASTIC DRUMS WITH HIGH PERFORMANCE REFLECTIVE SHEETING AND STEADY BURNING LIGHTS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

SHOULDER CLOSURE DETAILS



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	312	255
STA. TO STA.		ILLINOIS FED. AID PROJECT		
		*(1919.15, 2021-922 PT1 & PT2)R-1		

ARRAY DESIGN PER MANUFACTURER TO BE NCHRP 350 COMPLIANT FOR POSTED SPEED.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.  
ILLINOIS DEPARTMENT OF TRANSPORTATION

DETAIL "A"  
IMPACT ATTENUATOR, TEMPORARY  
(SEE NOTE 5)

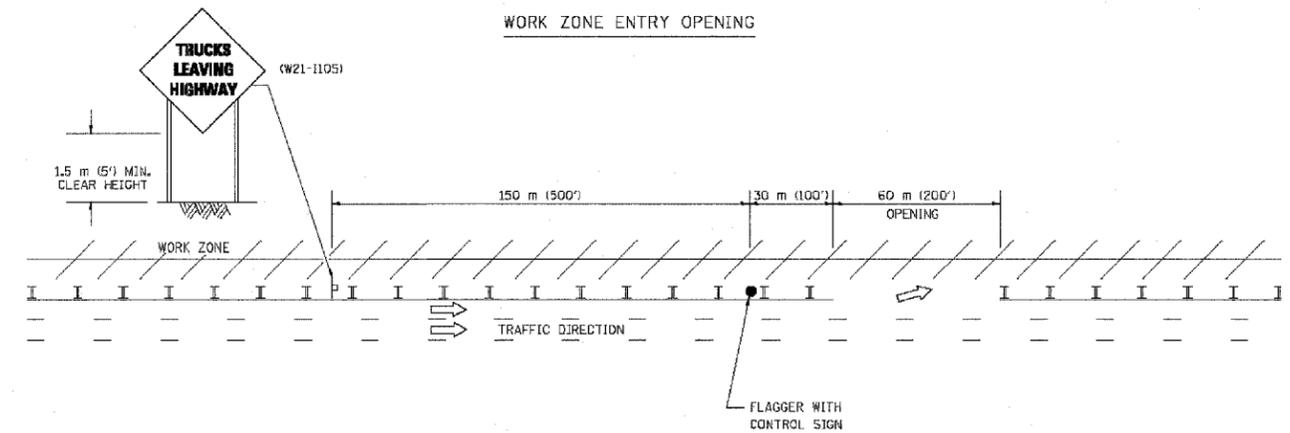
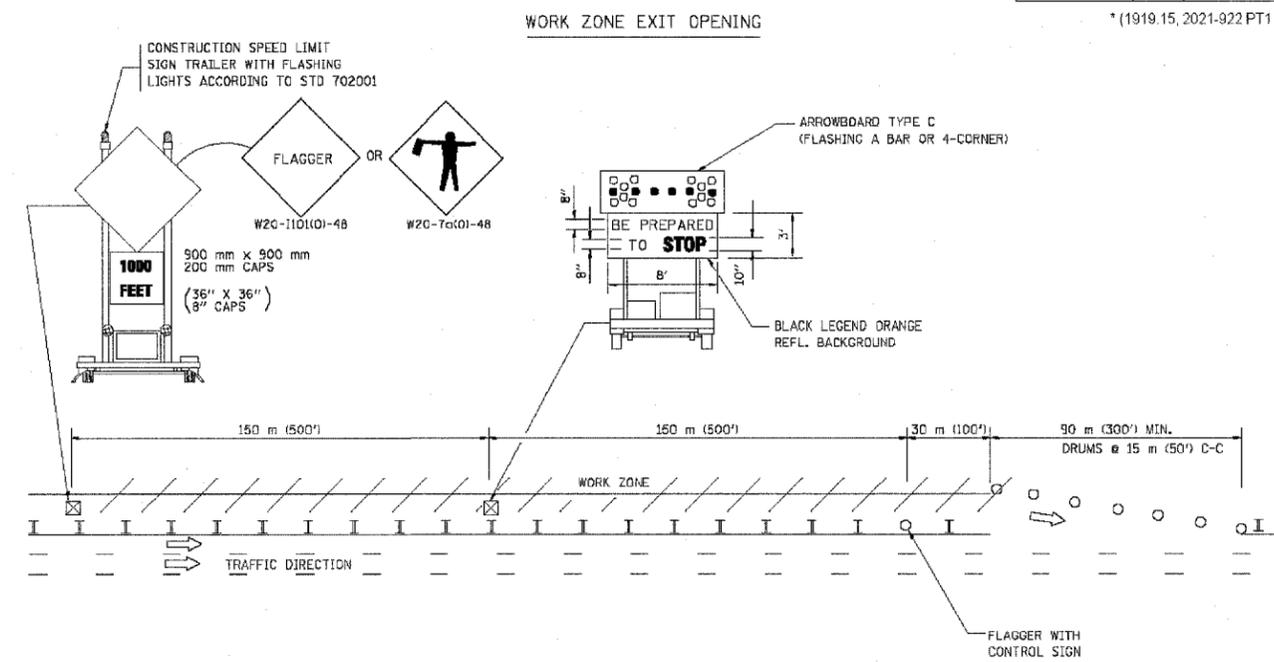
REVISIONS	
NAME	DATE
DWS	11/96
JAF	12/02
NCHRP 350	04/03

**TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES PARTIAL RAMP CLOSURES**  
 SCALE: NONE  
 DATE: 05/06/2003  
 DRAWN BY: DWS  
 CHECKED BY: TC-17

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	312	256
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

\*(1919.15, 2021-922 PT1 & PT2) R-1

### SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS



**NOTES:**

1. The Arrowboard, the Flagger Ahead trailer mounted sign, and the Trucks Leaving Highway sign shall be removed or turned away from traffic and the exit and entry openings shall be closed when the flagging operation ceases.
2. Work Zone Exit Openings should be a minimum of one half mile apart.
3. Exiting the work zone at any place other than at a Work Zone Exit Opening will be prohibited.
4. All vehicles shall enter the work zone at entry openings, using their turn signals to warn motorists

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN

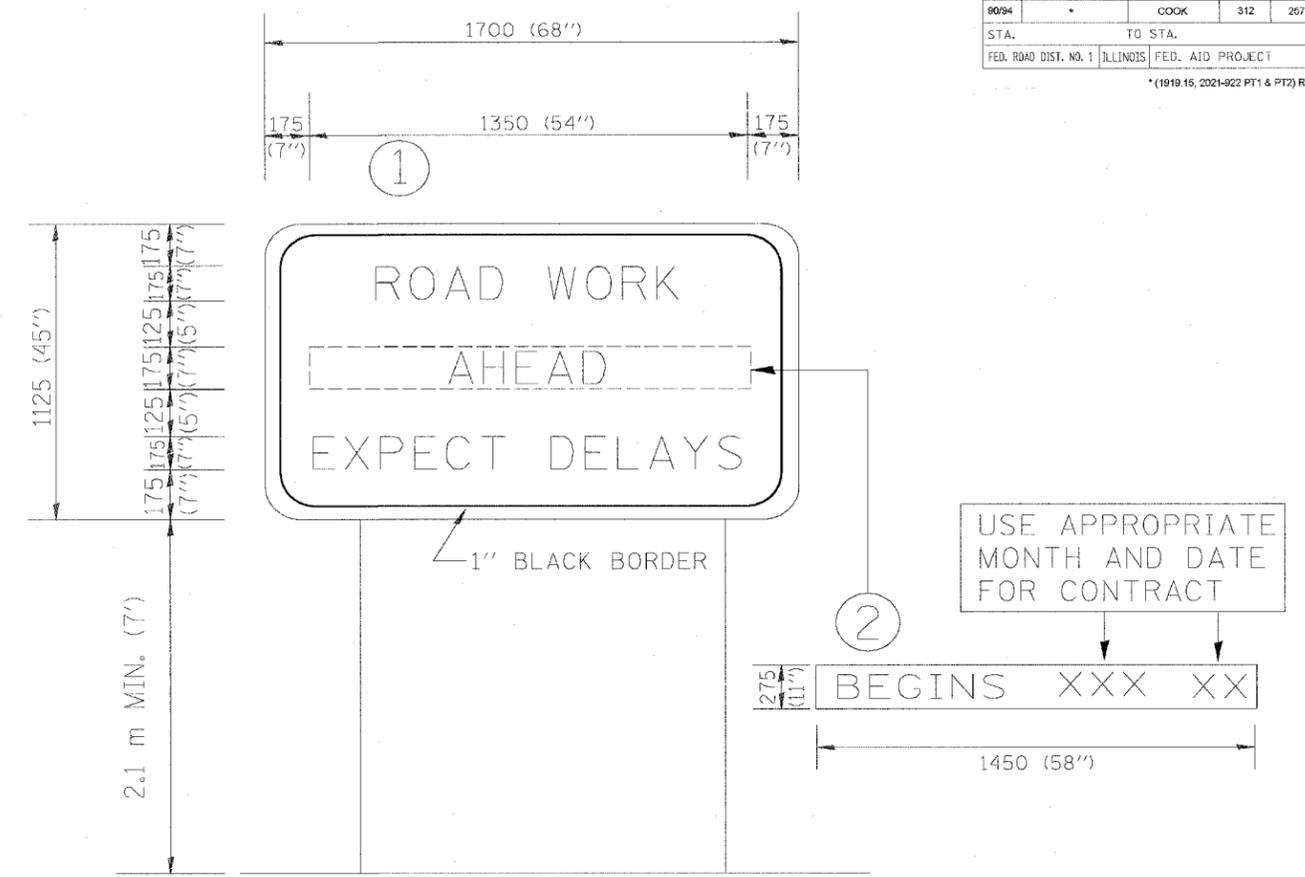
ILLINOIS DEPARTMENT OF TRANSPORTATION

### SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

REVISIONS	
NAME	DATE
DWS	8/98
JAF	4/03

SCALE: NONE  
DATE 05/05/2003  
DRAWN BY CADD  
CHECKED BY TC-18

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8094	*	COOK	312	257
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
*(1919-15, 2021-022 PT1 & PT2) R-1				



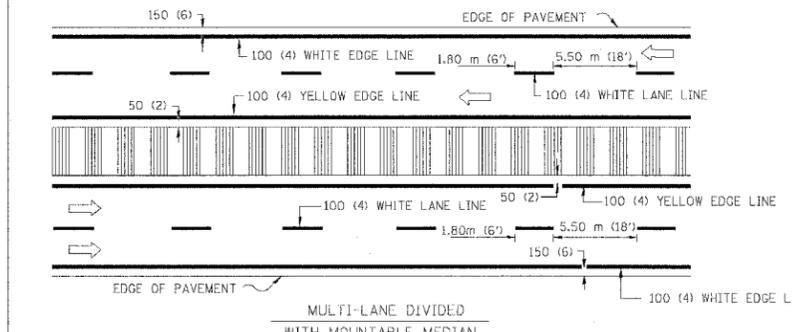
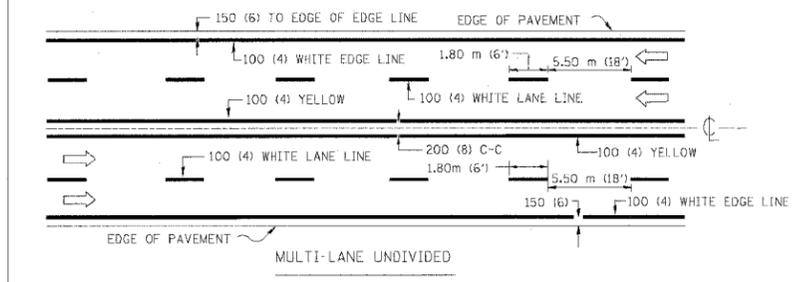
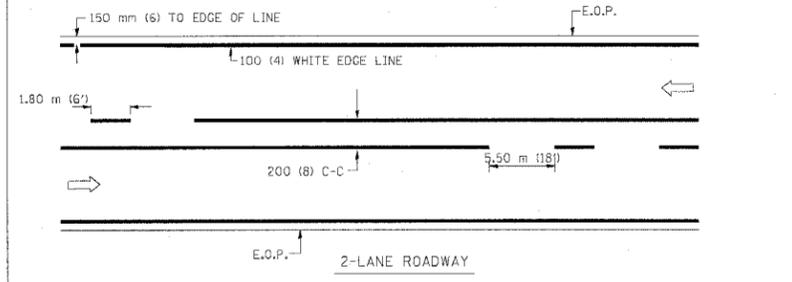
**NOTES:**

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 2.3 SQ. M. (25.70 SQ. FT.)

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.

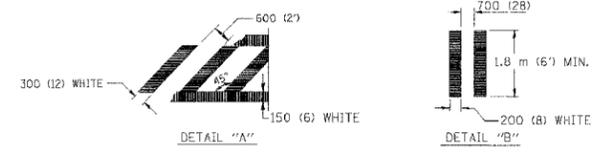
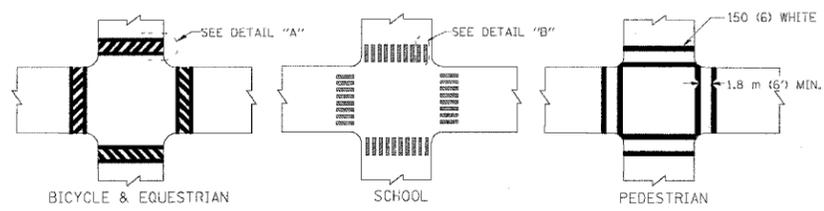
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
R. MIRS	9-15-97	TEMPORARY INFORMATION SIGNING
R. MIRS	12-11-97	
T. RAMMACHER	2-2-99	

SCALE: DATE 10/18/2002 DRAWN BY: BUR. OF DESIGN CHECKED BY:

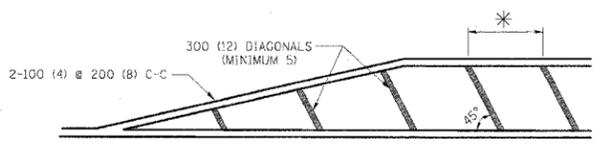


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

**TYPICAL LANE AND EDGE LINE MARKING**

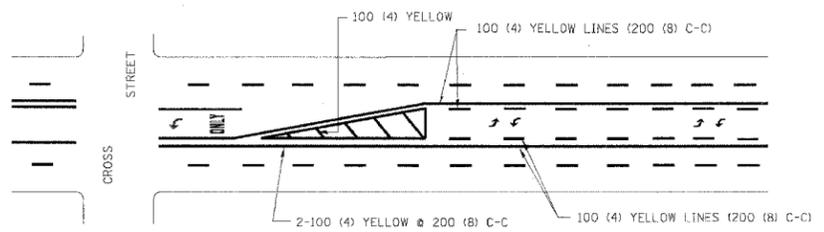


**TYPICAL CROSSWALK MARKING**

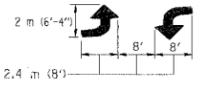


\* FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.  
\* DIAGONAL LINE SPACING: 6.1 m (20') C-C

**PAINTED MEDIANS**

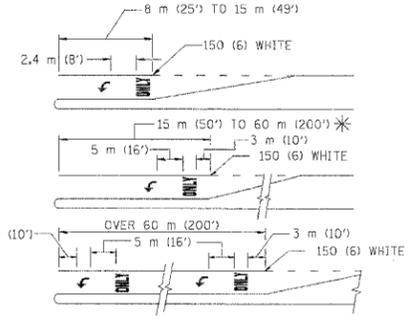
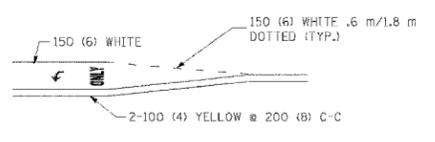


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 60 m (200') TO 90 m (300') INTERVALS.



**MEDIAN WITH TWO-WAY LEFT TURN LANE**

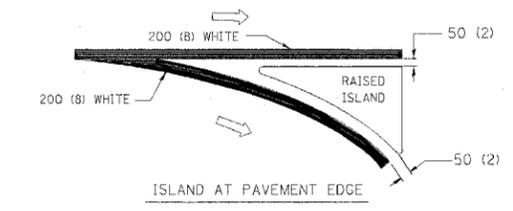
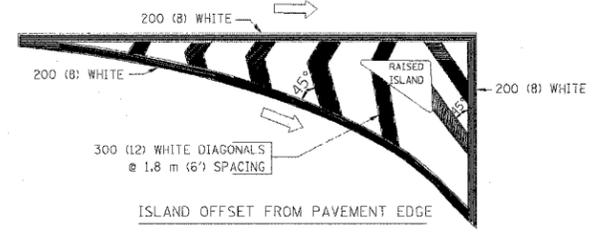
**TYPICAL PAINTED MEDIAN MARKING**



FULL SIZE LETTERS 2.4 m (8') AND ARROWS SHALL BE USED.  
AREA = 1.47 m<sup>2</sup> (15.8 SQ. FT.) ONLY AREA = 2.13 m<sup>2</sup> (22.9 SQ. FT.)  
\* TURN LANES IN EXCESS OF 120 m (400') IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

**TYPICAL LEFT (OR RIGHT) TURN LANE**

**TYPICAL TURN LANE MARKING**



**TYPICAL ISLAND MARKING**

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	100 (4)	SKIP-DASH	YELLOW	1.80 m (6') LINE WITH 5.50 m (18') SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 100 (4)	SOLID	YELLOW	200 (8) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION	100 (4)	SOLID	YELLOW	200 (8) C-C
FOR BOTH DIRECTIONS	2 @ 100 (4)	SOLID	YELLOW	
LANE LINES	100 (4) 125 (5) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	1.80 m (6') LINE WITH 5.50 m (18') SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	600 (2') LINE WITH 1.8 (6') SPACE
EDGE LINES	100 (4)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	150 (6) LINE; FULL SIZE LETTERS & SYMBOLS (2.4 m (8'))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 100 (4) EACH DIRECTION 2.4 m (8') LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	1.8 m (6') LINE WITH 5.50 m (18') SPACE FOR SKIP-DASH; 200 (8) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 150 (6) 300 (12) @ 45° 200 (8) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 1.8 m (6') APART 600 (2') APART 700 (2'-4") APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	600 (24)	SOLID	WHITE	PLACE 1.2 m (4') IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE.
PAINTED MEDIANS	2 @ 100 (4) WITH 300 (12) DIAGONALS @ 45°	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	200 (8) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	200 (8) WITH 300 (12) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 6.1 m (20') (LESS THAN 50 km/h (30 MPH))
RAILROAD CROSSING	600 (24) TRANSVERSE LINES; "RR" IS 1.8 m (6') LETTERS; 400 (16) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=0.33m <sup>2</sup> (3.6 SQ. FT.) EACH "X"=5.0 m <sup>2</sup> (54.0 SQ. FT.)

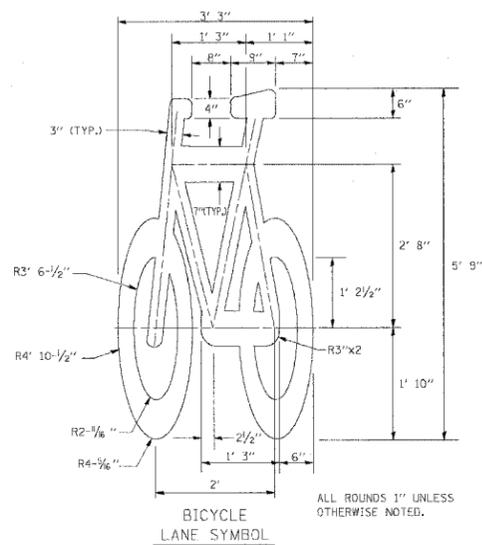
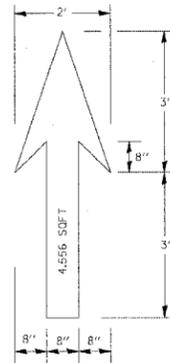
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STREET MARKING STANDARDS, PRINTED BY CITY OF CHICAGO, DEPARTMENT OF TRANSPORTATION, BUREAU OF TRAFFIC.

All dimensions are in millimeters (inches) unless otherwise shown. 1 OF 2

ILLINOIS DEPARTMENT OF TRANSPORTATION  
CITY OF CHICAGO  
TYPICAL PAVEMENT MARKINGS

REVISIONS	
NAME	DATE
T. RAMMACHER	12/07/00

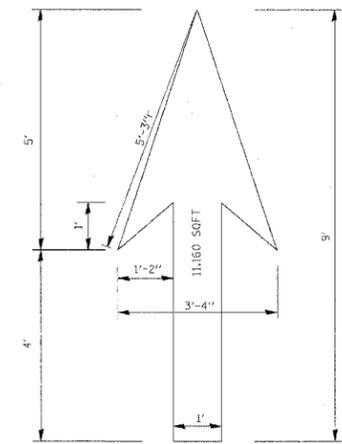
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DATE: 10/18/2002  
DRAWN BY: CADD  
CHECKED BY: TC-24



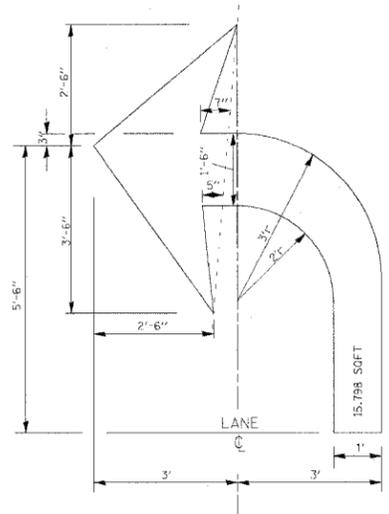
**NOTE:**  
 1.) FOR BIKE LANE SYMBOLS ONLY, USE PRE-FORMED THERMOPLASTIC WITH A MINIMUM THICKNESS OF 90 MILS, MINIMUM SKID RESISTANCE VALUE OF 60 BPN, & A MINIMUM INDEX OF REFRACTION OF 1.50.  
 2.) THE RESIDENT ENGINEER SHALL CONTACT MR. BEN GOMBERG AT 312-744-8093 AT LEAST ONE CALENDAR WEEK PRIOR TO INSTALLING BIKE LANE SYMBOLS.

**TYPICAL BIKE LANE SYMBOLS**  
DRAWING #28

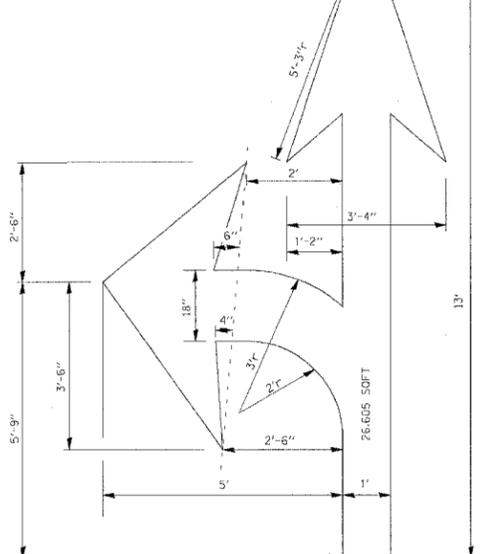
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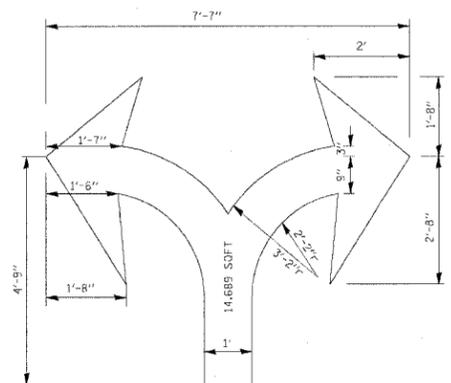
DRAWING #30



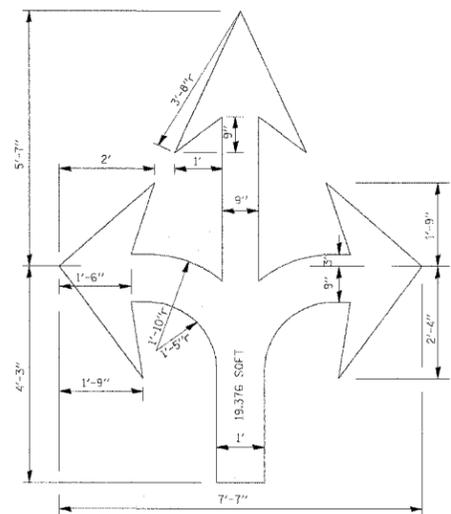
DRAWING #31



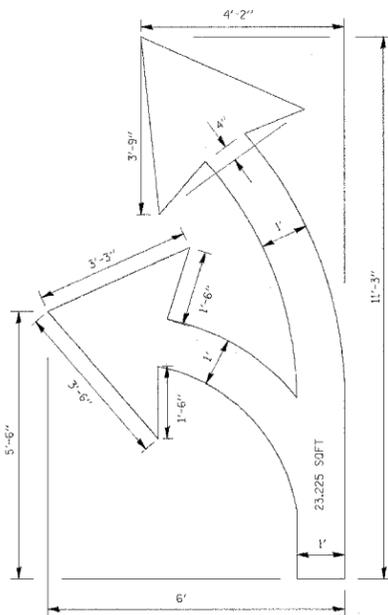
DRAWING #32



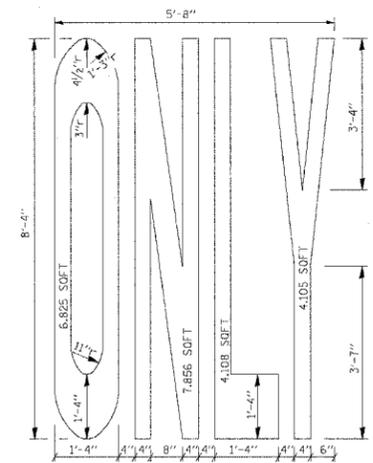
DRAWING #33



DRAWING #34



DRAWING #35



**NOTE:**  
ALL MARKINGS SHALL BE SOLID WHITE UNLESS OTHERWISE NOTED IN THE PLANS

REVISIONS	
NAME	DATE
T. RAMMACHER	12/07/00

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CITY OF CHICAGO**  
**TYPICAL PAVEMENT**  
**MARKINGS.**

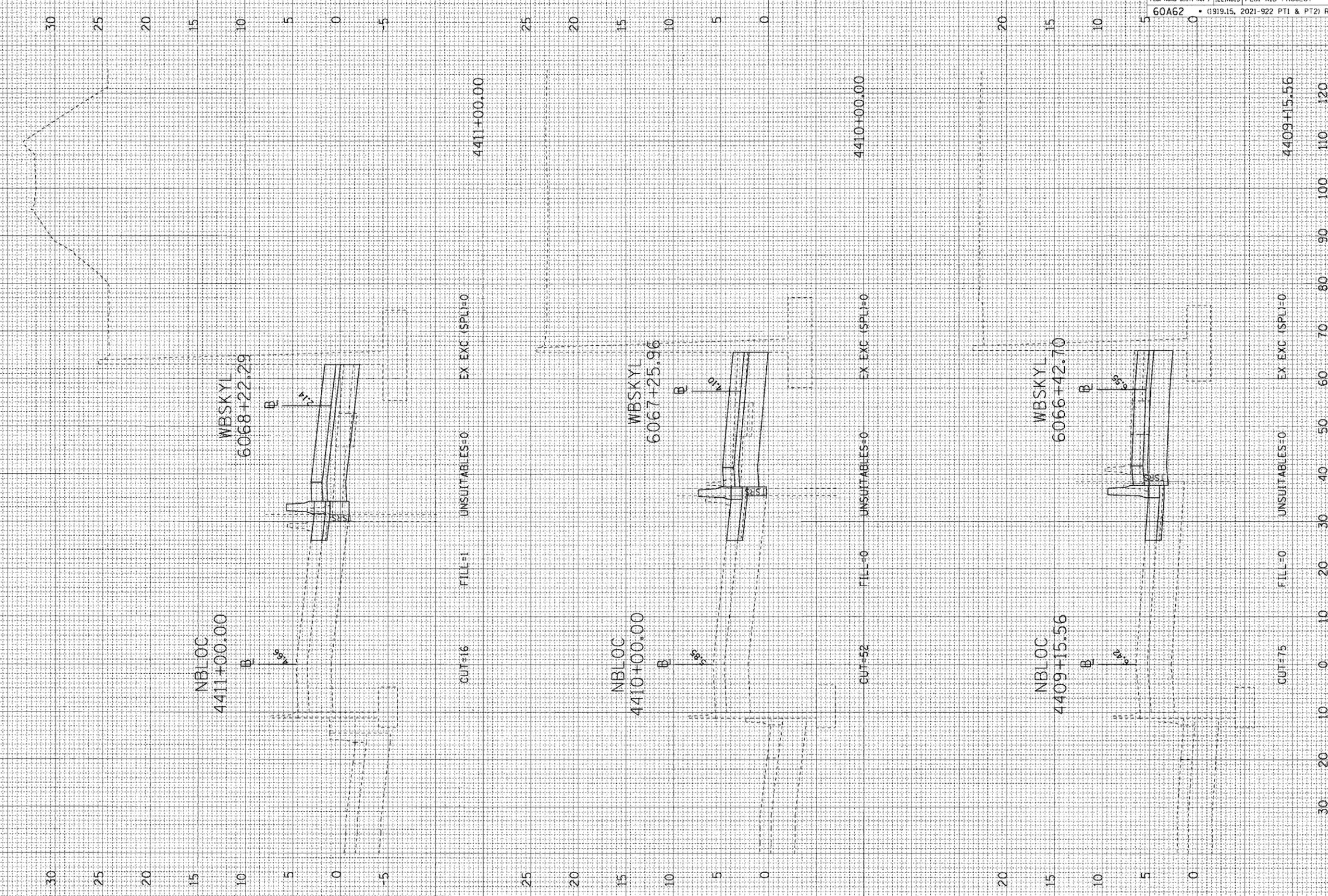
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 DATE 03/09/2004

DRAWN BY  
 CHECKED BY  
 TC-24

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NOTE BOOK NO.	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

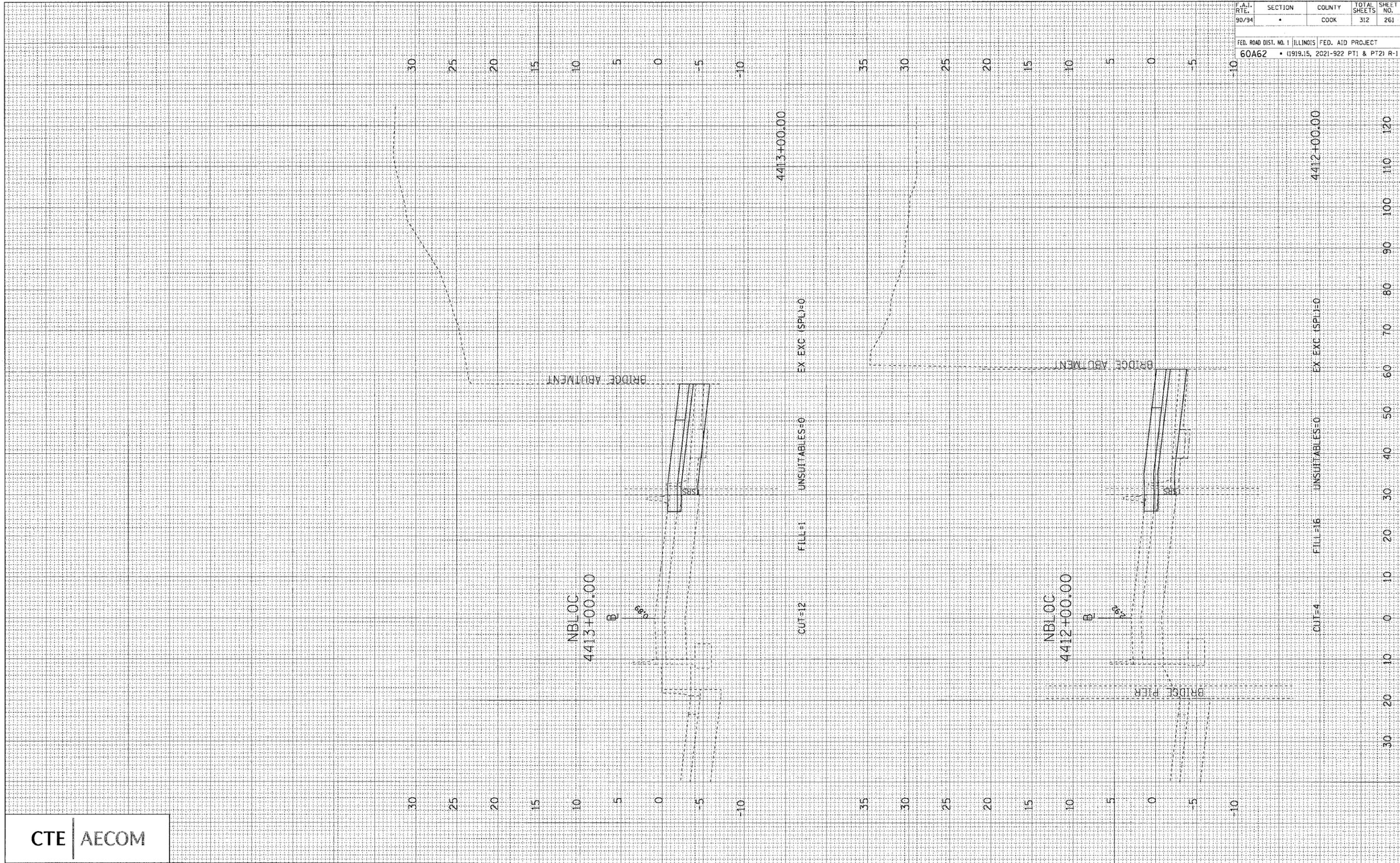
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NOTE BOOK NO.	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	312	260
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
60A62 (1919.15, 2021-922 PT1 & PT2) R-1				



FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

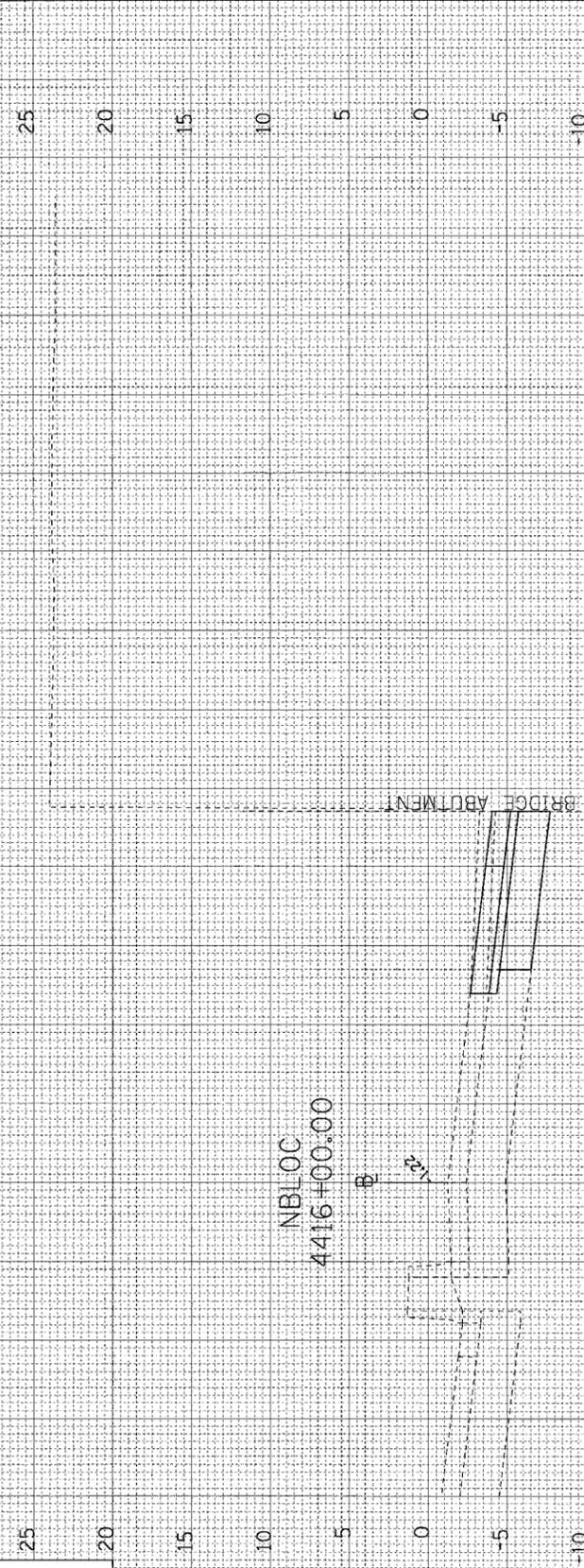
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NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		



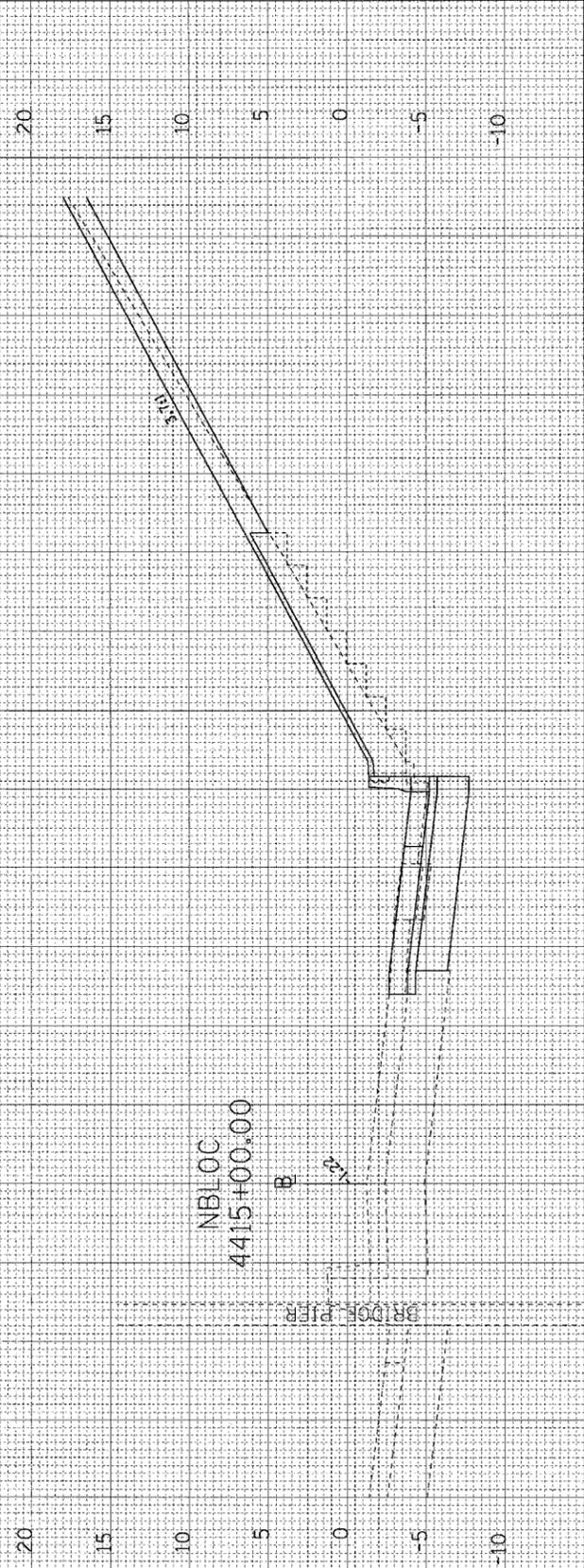
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/34	•	COOK	312	261
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
60A62 • (1919.15, 2021-922 PT1 & PT2) R-1				

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

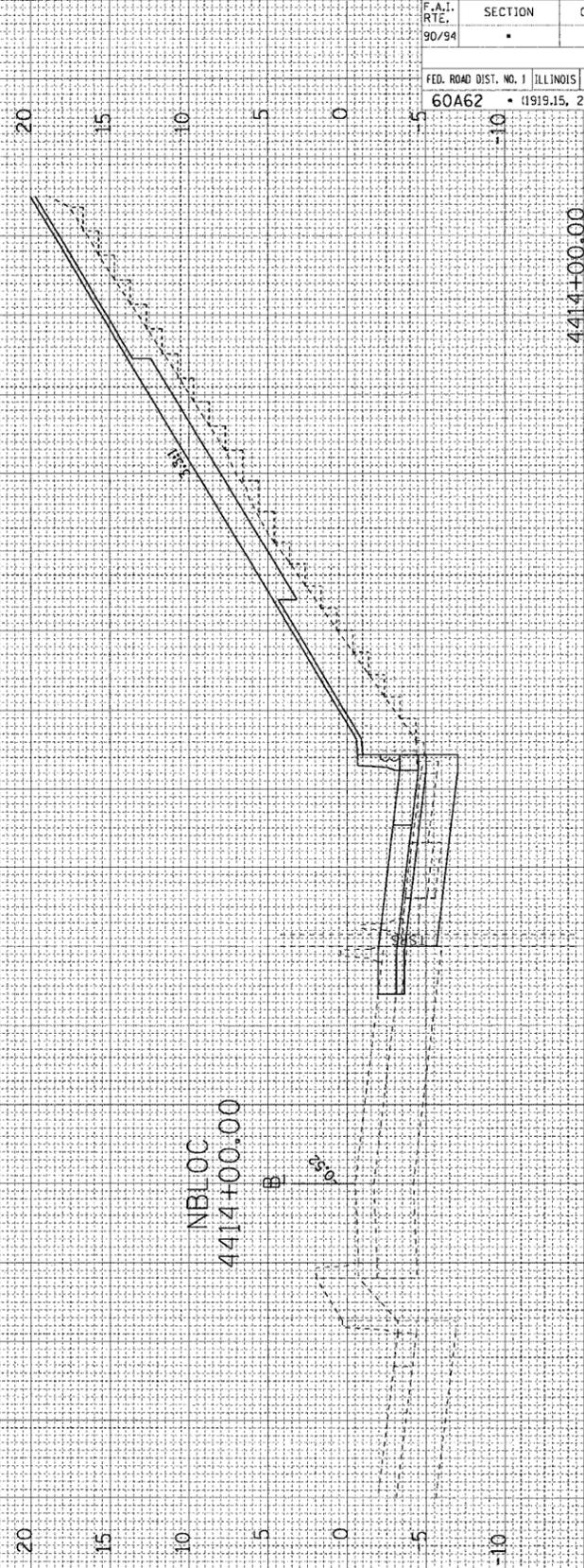
FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		



CUT=65      FILL=0      UNSUITABLES=0      EX EXC (SPL)=0      4416+00.00



CUT=77      FILL=80      UNSUITABLES=45      EX EXC (SPL)=6      4415+00.00

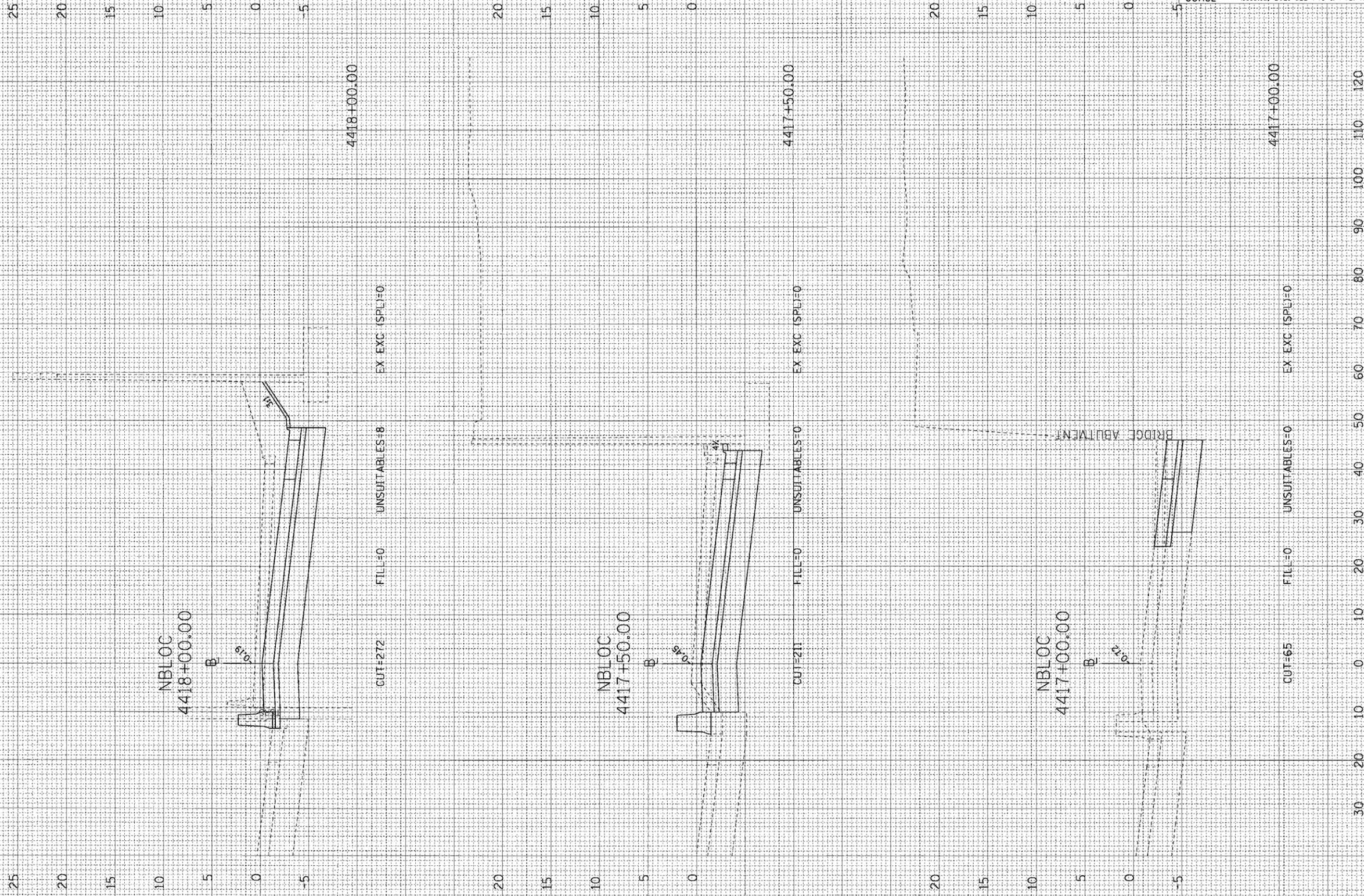


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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	•	COOK	312	262
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
60A62 • (1919.15, 2021-922 PT1 & PT2) R-1				

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

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

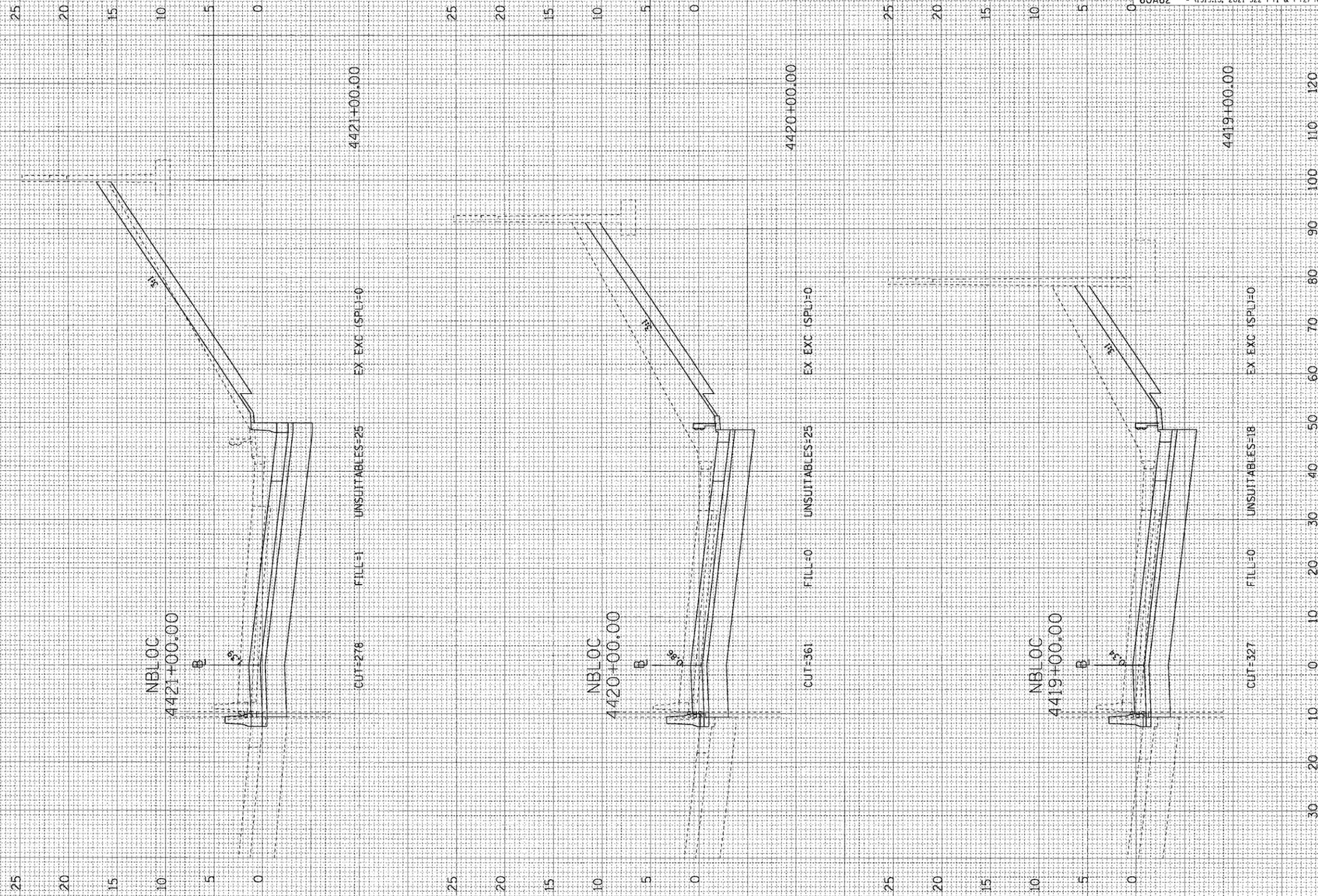


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	•	COOK	312	263
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
60A62 • (1919.15, 2021-922 PT1 & PT2) R-1				

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

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

CTE | AECOM



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	•	COOK	312	264

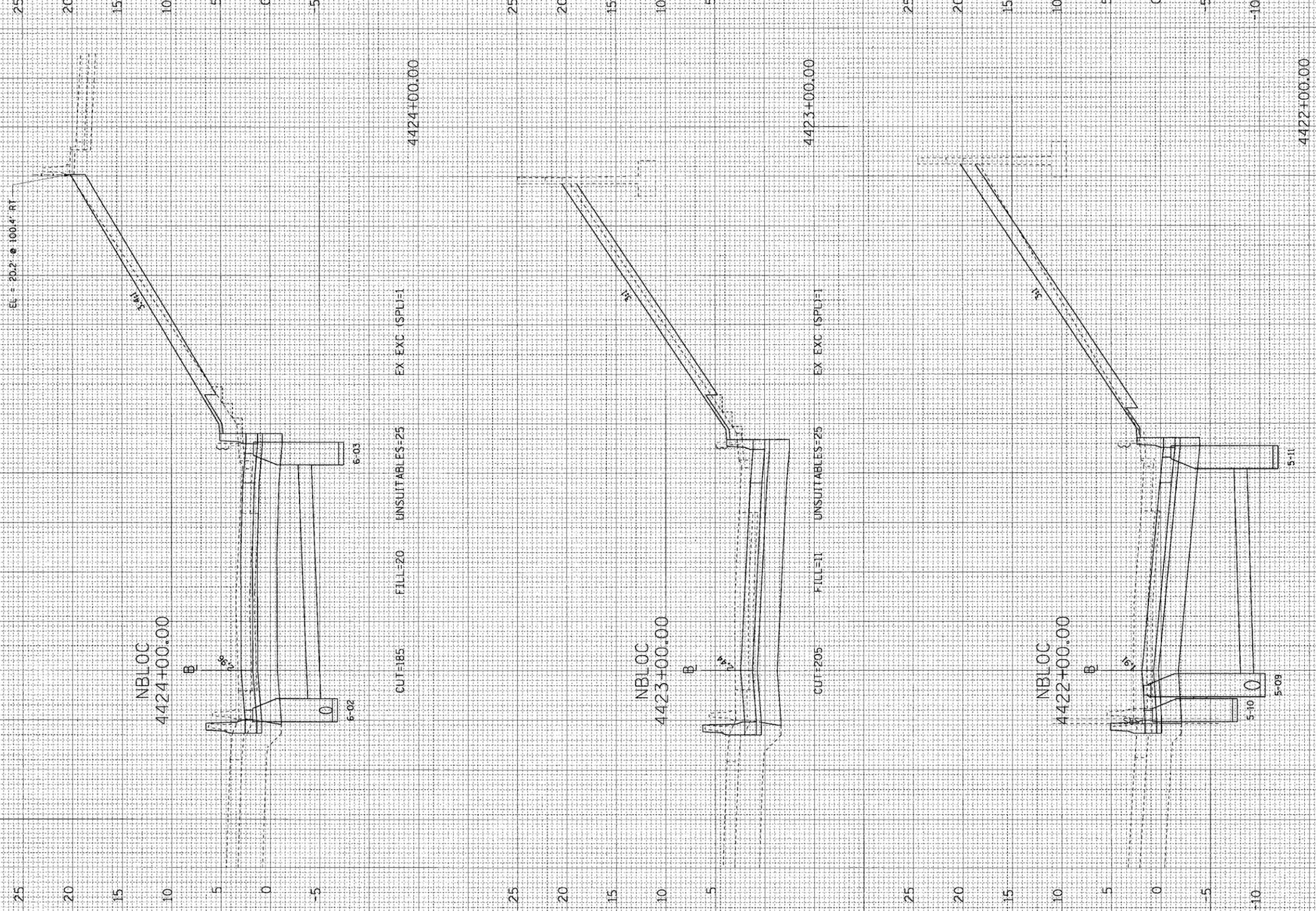
  

FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT
60A62	(1919.15, 2021-922 PT1 & PT2) R-1

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

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

CTE | AECOM



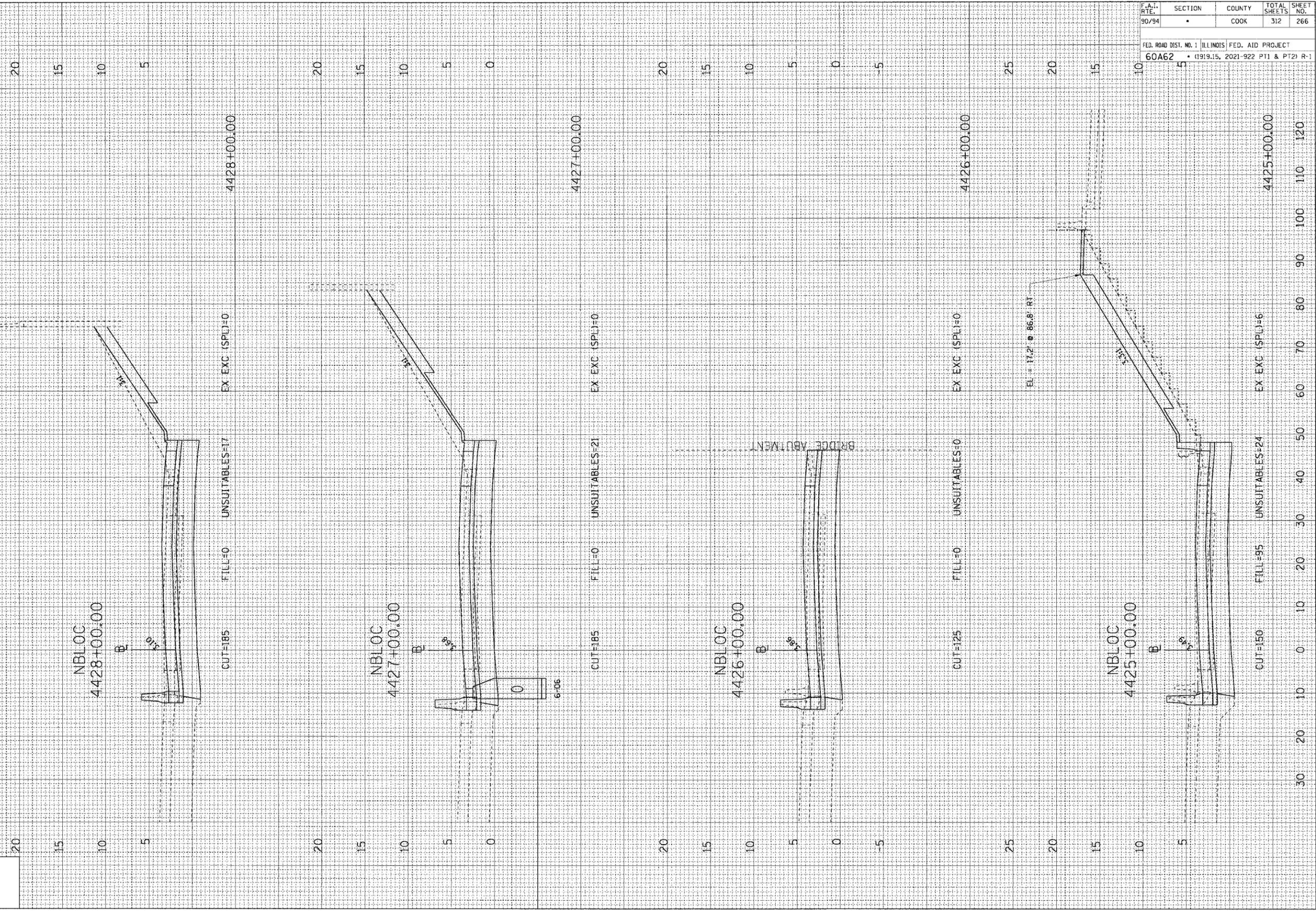
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90/94		COOK	312	265
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
60A62 • (1919.15, 2021-922 PT1 & PT2) R-1				

6/7/2006 9:20:08 AM P:\P40460\CH\116-Cross IB & 193A\CMR 18ACross Sections\18A\_116oc-265.dwg

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

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

CTE | AECOM



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	•	COOK	312	266

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT  
 60A62 • (1919.15, 2021-922 PT1 & PT2) R-1

5/15/2006 9:20:17 AM P:\F40466\CIVIL\Drawings & 1919\CONTR\BACross Sections\60A62-266.dwg

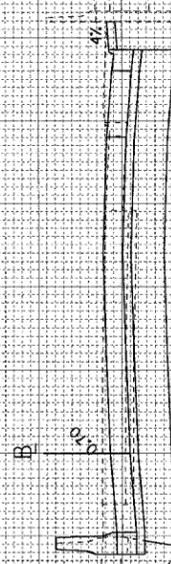
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 SURVEYED BY DATE  
 NOTE BOOK NO. DATE  
 AREAS CHECKED

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

CTE | AECOM

25  
20  
15  
10  
5

NBLOC  
4432+00.00

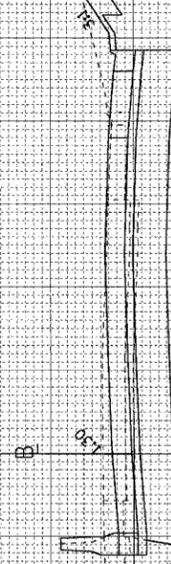


CUT-165 FILL=0 UNSUITABLES=6 EX EXC (SPL)=0

4432+00.00

25  
20  
15  
10  
5

NBLOC  
4431+00.00

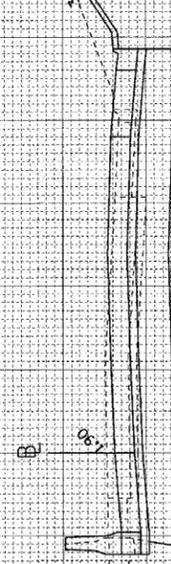


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4431+00.00

25  
20  
15  
10  
5

NBLOC  
4430+00.00

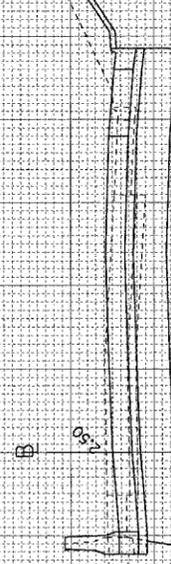


CUT-169 FILL=0 UNSUITABLES=9 EX EXC (SPL)=0

4430+00.00

20  
15  
10

NBLOC  
4429+00.00



CUT-172 FILL=0 UNSUITABLES=12 EX EXC (SPL)=0

4429+00.00

30  
20  
10

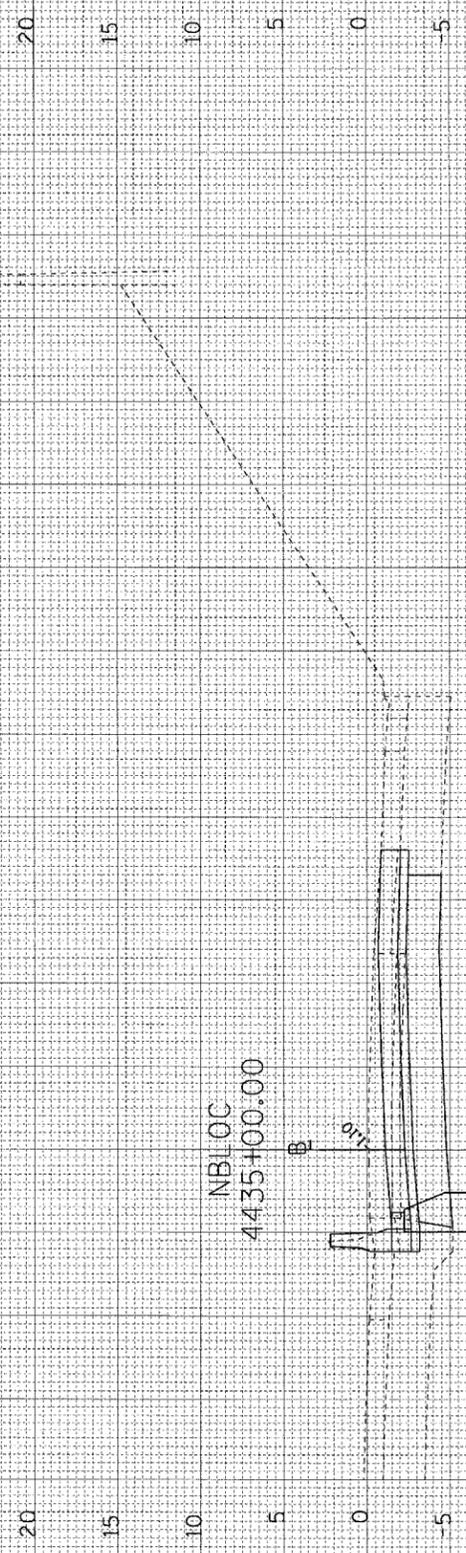
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	312	267
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
60A62 • (1919.15, 2021-922 PT1 & PT2) R-1				

6/5/2006 9:20:44 AM  
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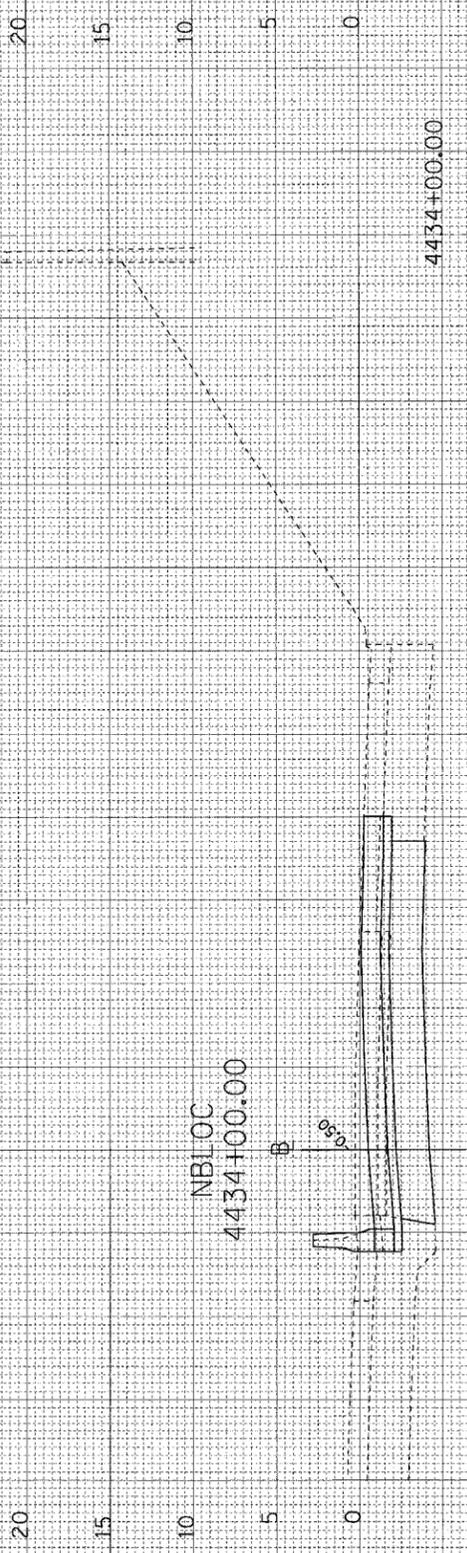
FINAL SURVEYED BY DATE  
 SURVEY NO. DATE  
 NOTE BOOK NO. DATE  
 AREAS CHECKED

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

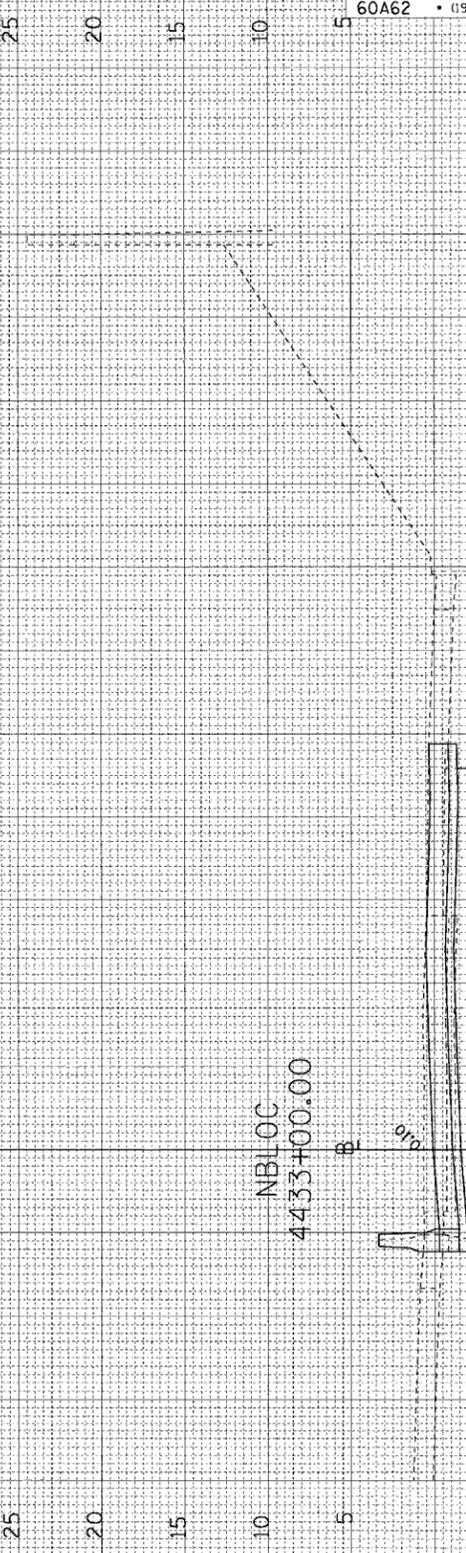
CTE | AECOM



4435+00.00



4434+00.00



4433+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	•	COOK	312	268
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
60A62 • (1919.15, 2021-922 PT1 & PT2) R-1				

6/5/2006 9:20:17 AM P:\P4\60A62\G1\118-CATS 1B & 1B-SM-CMT (BACross Section)\S1B1A.dwg: 2487



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

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

CTE | AECOM

20

15

10

5

NBLOC  
4443+00.00



CUT=186 FILL=27 UNSUITABLES=7

4443+00.00

EX EXC (SPL)=0

20

15

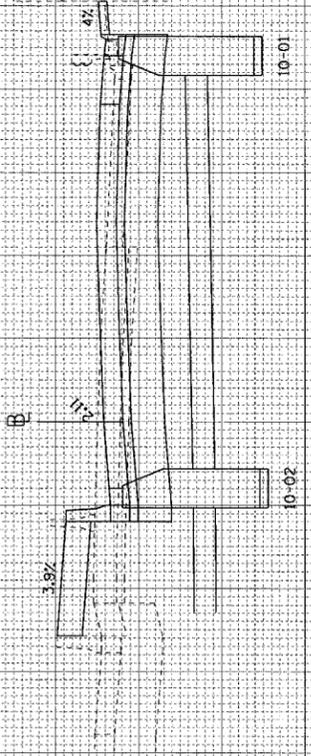
10

5

0

-5

NBLOC  
4442+00.00



CUT=141 FILL=34 UNSUITABLES=2

4442+00.00

EX EXC (SPL)=0

20

15

10

5

NBLOC  
4441+00.00



CUT=119 FILL=36 UNSUITABLES=2

4441+00.00

EX EXC (SPL)=0

20

15

10

5

NBLOC  
4440+00.00



CUT=147 FILL=29 UNSUITABLES=0

4440+00.00

EX EXC (SPL)=0

20

15

10

5

120

110

100

90

80

70

60

50

40

30

20

10

0

30

20

10

5

F:\4488\G11118-Ctr18 & 18A\1\CH1 (BACross Sections)\BA\_11118\_Ctr18.dwg 9/20/22 AM

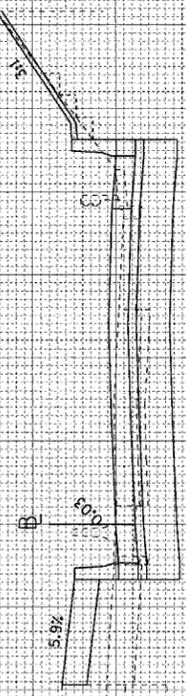
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90/94		COOK	312	270
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
60A62 • (1919.15, 2021-922 PT1 & PT2) R-1				

ORIGINAL SURVEY NO. \_\_\_\_\_ DATE \_\_\_\_\_  
 SURVEYED BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_  
 TEMPLATE NO. \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_

FINAL SURVEY NO. \_\_\_\_\_ DATE \_\_\_\_\_  
 SURVEYED BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_  
 TEMPLATE NO. \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_

20  
15  
10  
5

NBLOC  
4447+00.00

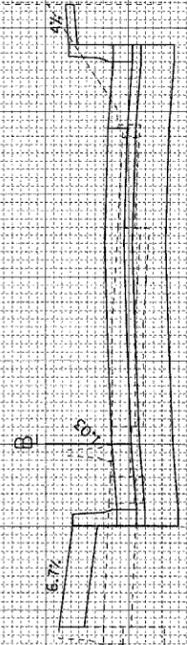


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4447+00.00

20  
15  
10  
5

NBLOC  
4446+00.00



CUT=138 FILL=31 UNSUITABLES=7 EX EXC (SPL)=0

4446+00.00

20  
15  
10  
5  
0

NBLOC  
4445+00.00



CUT=154 FILL=27 UNSUITABLES=5 EX EXC (SPL)=0

4445+00.00

20  
15  
10  
5  
0

NBLOC  
4444+00.00



CUT=161 FILL=27 UNSUITABLES=5 EX EXC (SPL)=0

4444+00.00

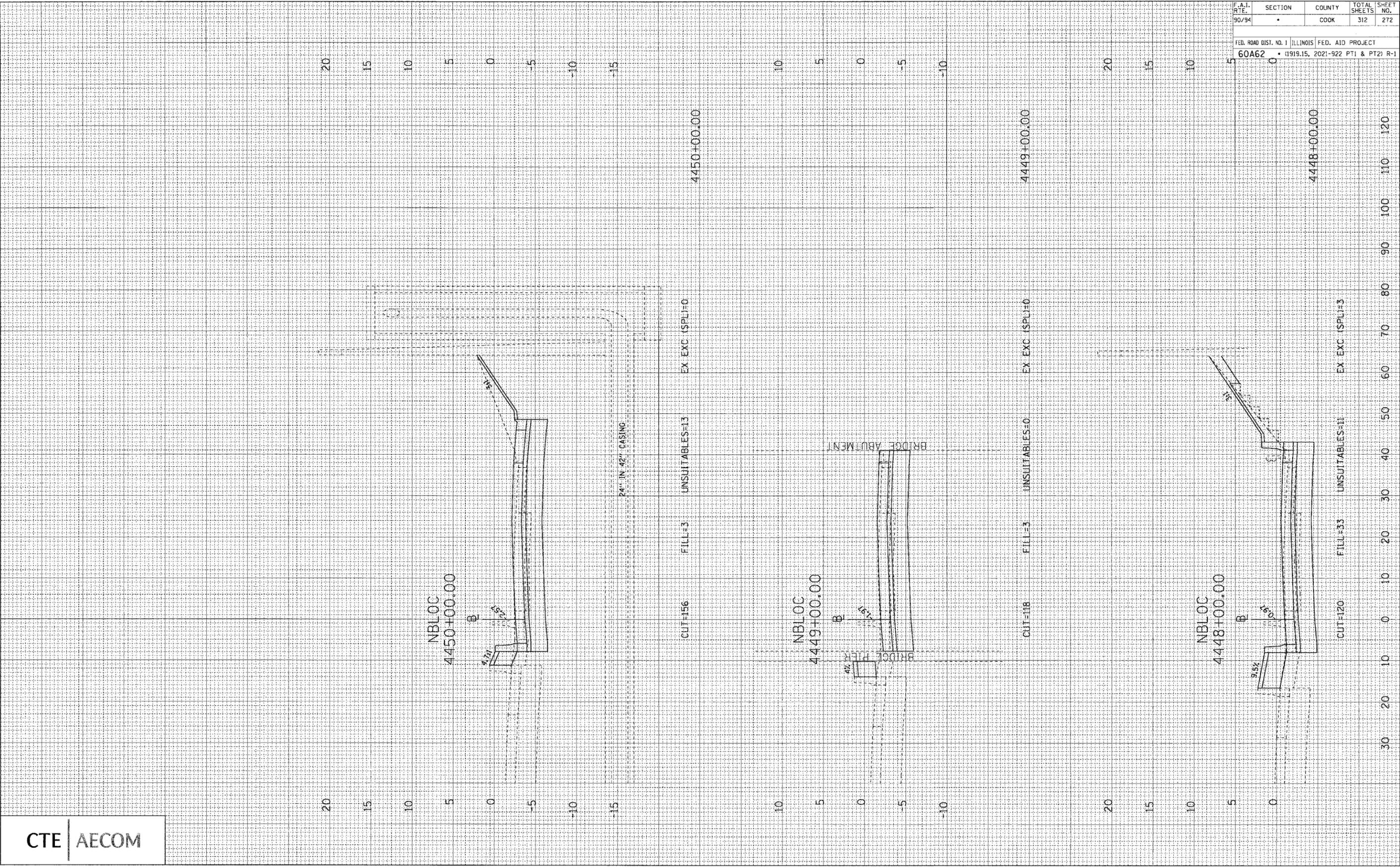
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F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	•	COOK	312	271
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
60A62 • (1919.15, 2021-922 PT1 & PT2) R-1				

FINAL SURVEY	BY	DATE
NO. _____	_____	_____
NO. _____	_____	_____
NO. _____	_____	_____

ORIGINAL SURVEY	BY	DATE
NO. _____	_____	_____
NO. _____	_____	_____
NO. _____	_____	_____

NO. _____	NO. _____	NO. _____
NO. _____	NO. _____	NO. _____
NO. _____	NO. _____	NO. _____



F.A.I. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	•	COOK	312	272
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
60A62 • (1919.15, 2021-922 PT1 & PT2) R-1				

6/5/2006 9:20:27 AM PAPACAC@CIVIL6 Cntrs B & 15 ST/CONT BACross Section/63rd/2006\_R-1

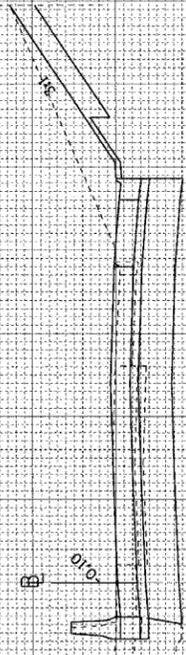
FINAL SURVEY BY DATE  
 SURVEYED BY DATE  
 NOTE BOOK NO. DATE  
 AREAS CHECKED

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

CTE | AECOM

20 15 10 5 0

NBLOC  
4454+00.00



CUT-180    FILL=0    UNSUITABLES=15    EX EXC (SPL)=0

4454+00.00

20 15 10 5 0

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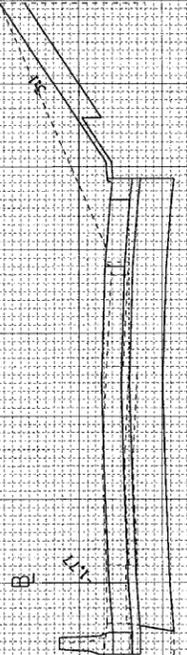


CUT-184    FILL=0    UNSUITABLES=16    EX EXC (SPL)=0

4453+00.00

20 15 10 5 0

NBLOC  
4452+00.00



CUT-186    FILL=0    UNSUITABLES=16    EX EXC (SPL)=0

4452+00.00

20 15 10 5 0

NBLOC  
4451+00.00



CUT-174    FILL=0    UNSUITABLES=14    EX EXC (SPL)=0

4451+00.00

F.A.I. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	•	COOK	312	273
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
60A62 • (1919.15, 2021-922 PT1 & PT2) R-1				

6/5/2006 9:20:30 AM F:\P-40465\CRIB-Cutrs 18 & 19\STA\Crtr 18ACross Sections\18A\_nblloc\_26.stt

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

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

CTE | AECOM

20 15 10 5 0

NBLOC  
4458+00.00



CUT-145    FILL=0    UNSUITABLES=9    EX EXC (SPL)=0

4458+00.00

20 15 10 5 0

NBLOC  
4457+00.00

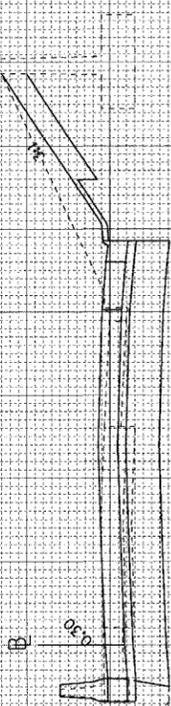


CUT-144    FILL=0    UNSUITABLES=12    EX EXC (SPL)=0

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4456+00.00

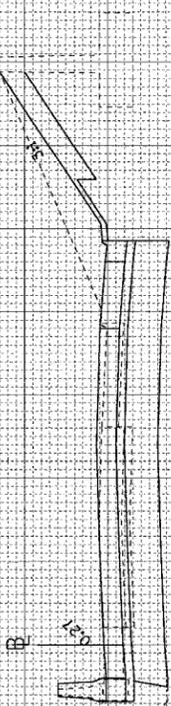


CUT-166    FILL=0    UNSUITABLES=14    EX EXC (SPL)=0

4456+00.00

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NBLOC  
4455+00.00



CUT-176    FILL=0    UNSUITABLES=15    EX EXC (SPL)=0

4455+00.00

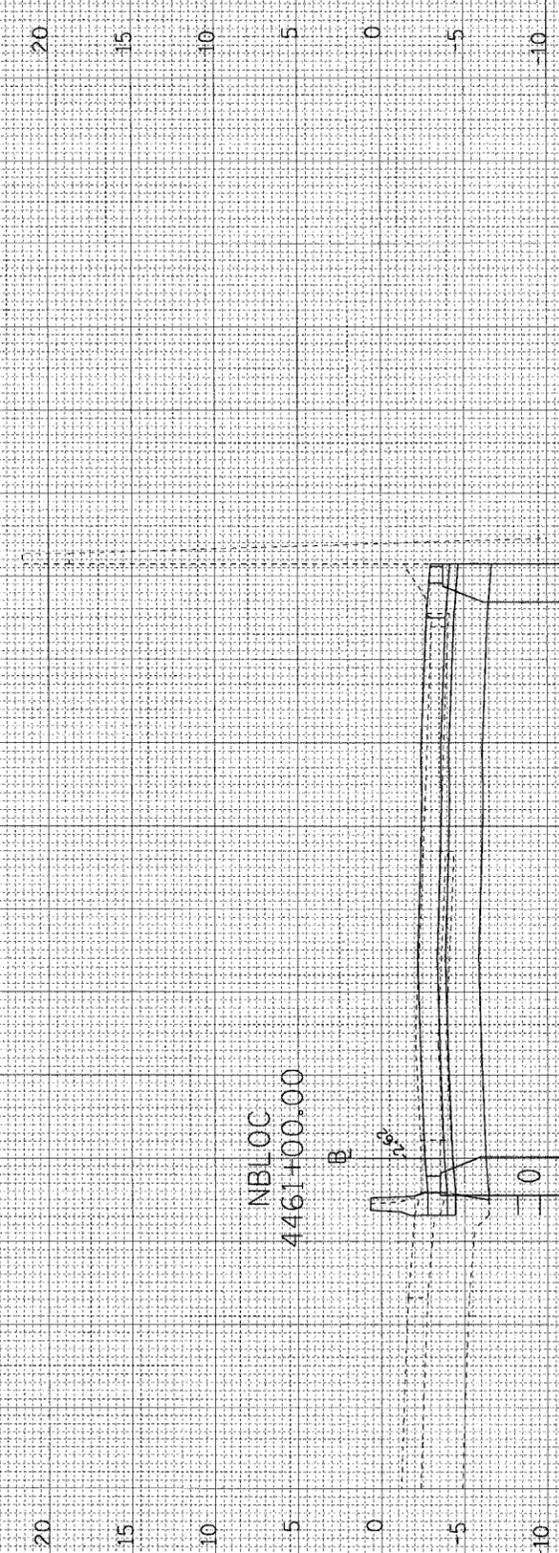
30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	•	COOK	312	274
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
60A62 • (1919.15, 2021-922 PT1 & PT2) R-1				

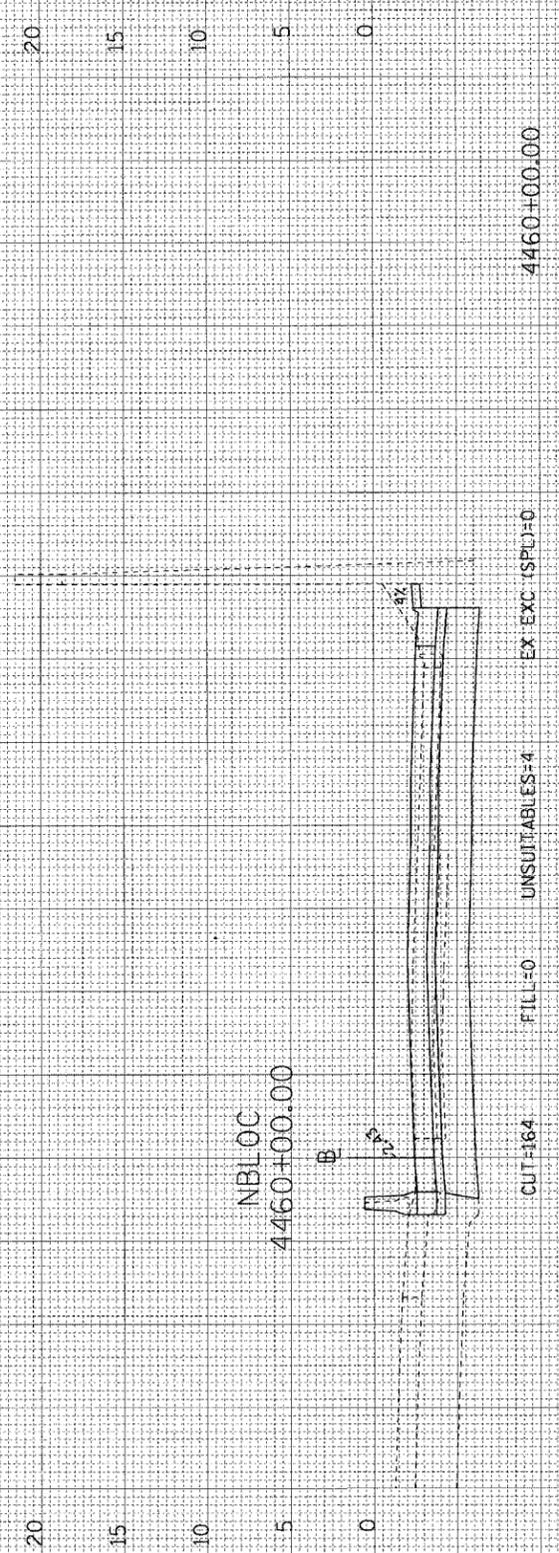
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 NOTE BOOK NO. DATE  
 TEMPLATE NO. DATE  
 AREAS CHECKED

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

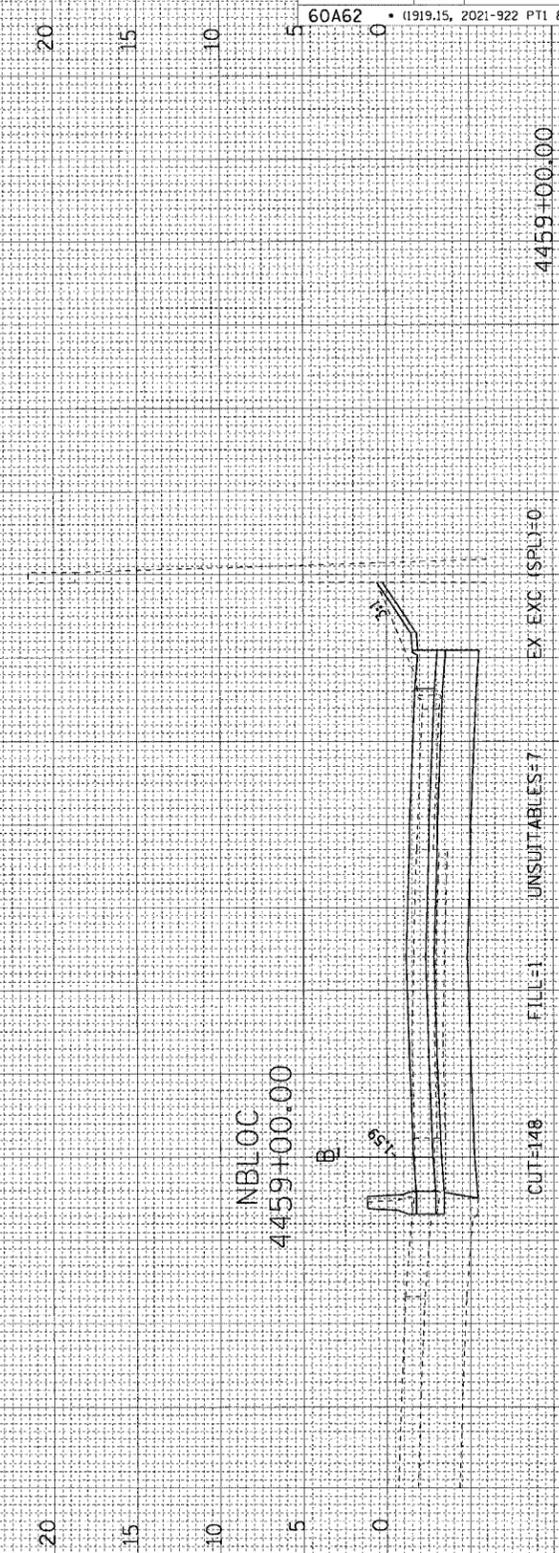
F.A.I. RTE. 90/94	SECTION •	COUNTY COOK	TOTAL SHEETS 312	SHEET NO. 275
FED. ROAD DIST. NO. 1 60A62		ILLINOIS	FED. AID PROJECT (1919.15, 2021-922 PT1 & PT2) R-1	



CUT=195 FILL=0 UNSUITABLES=3 EX EXC (SPL)=0 4461+00.00



NBLOC 4460+00.00  
 CUT=164 FILL=0 UNSUITABLES=4 EX EXC (SPL)=0 4460+00.00

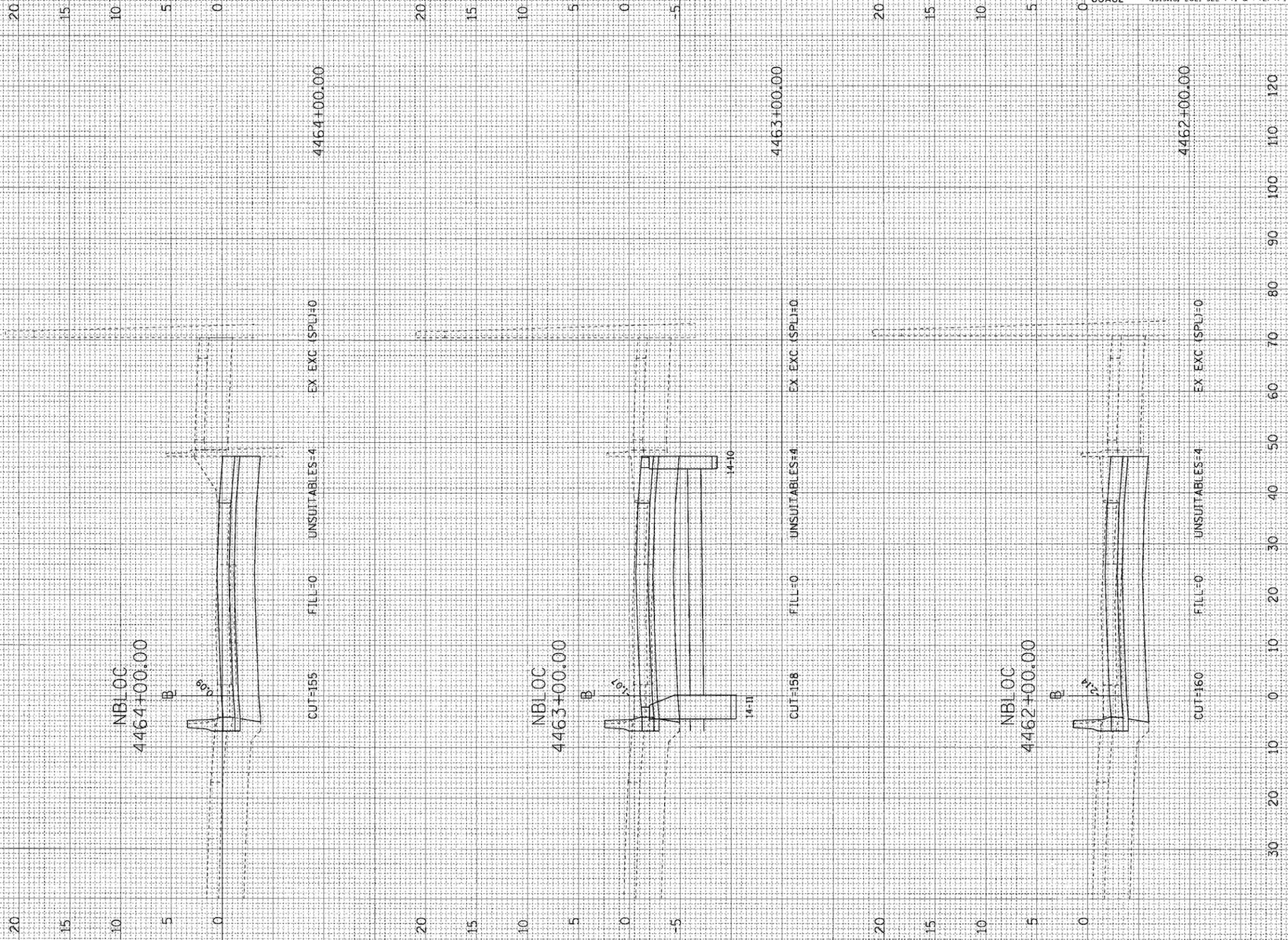


NBLOC 4459+00.00  
 CUT=148 FILL=1 UNSUITABLES=7 EX EXC (SPL)=0 4459+00.00

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

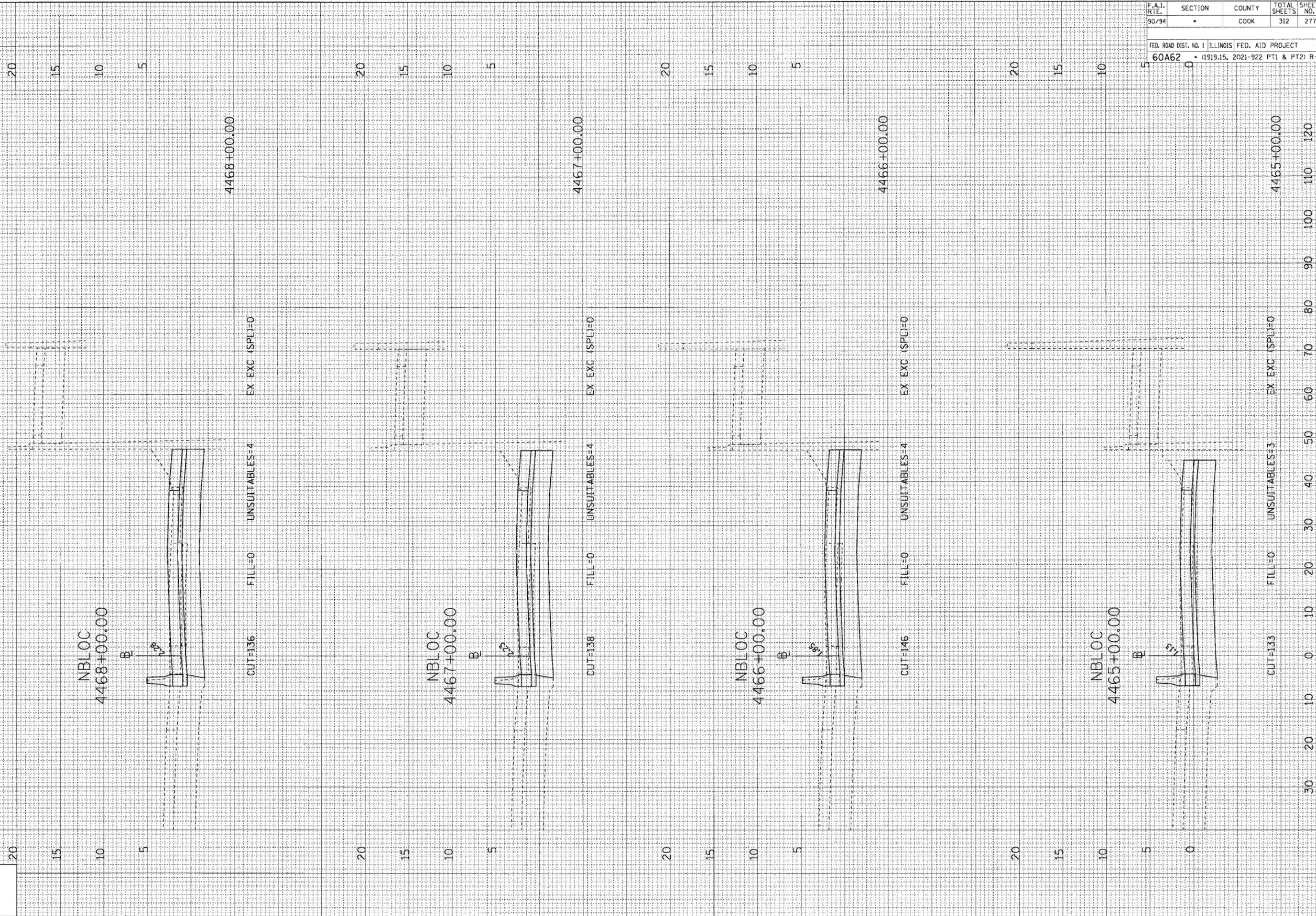
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	312	276
FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT
60A62		• (1919.15, 2021-922 PT1 & PT2) R-1		



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

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

CTE | AECOM



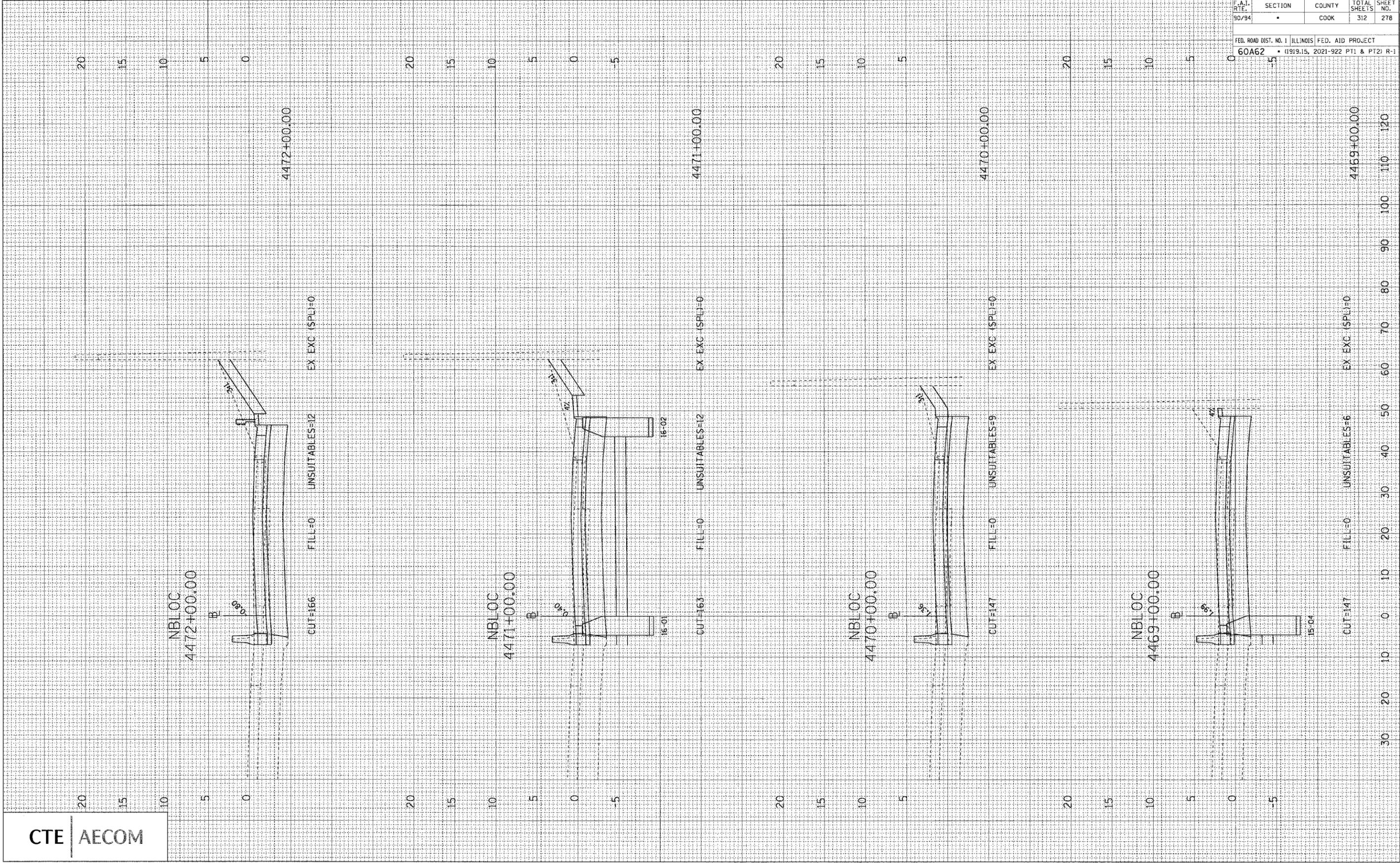
F.A.I. RTE. 90/94	SECTION •	COUNTY COOK	TOTAL SHEETS 312	SHEET NO. 277
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
60A62 • (1919.15, 2021-922 PT1 & PT2) R-1				

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

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

CTE | AECOM



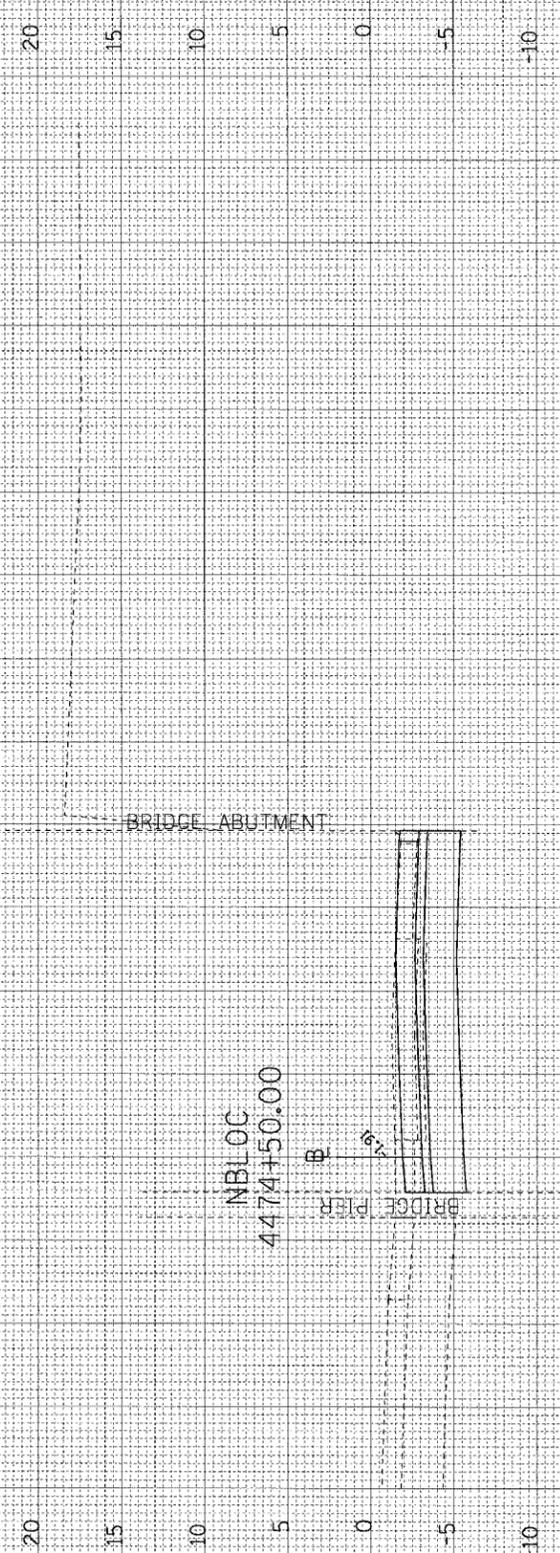
F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	•	COOK	312	278
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
60A62 • (1919.15, 2021-922 PT1 & PT2) R-1				

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

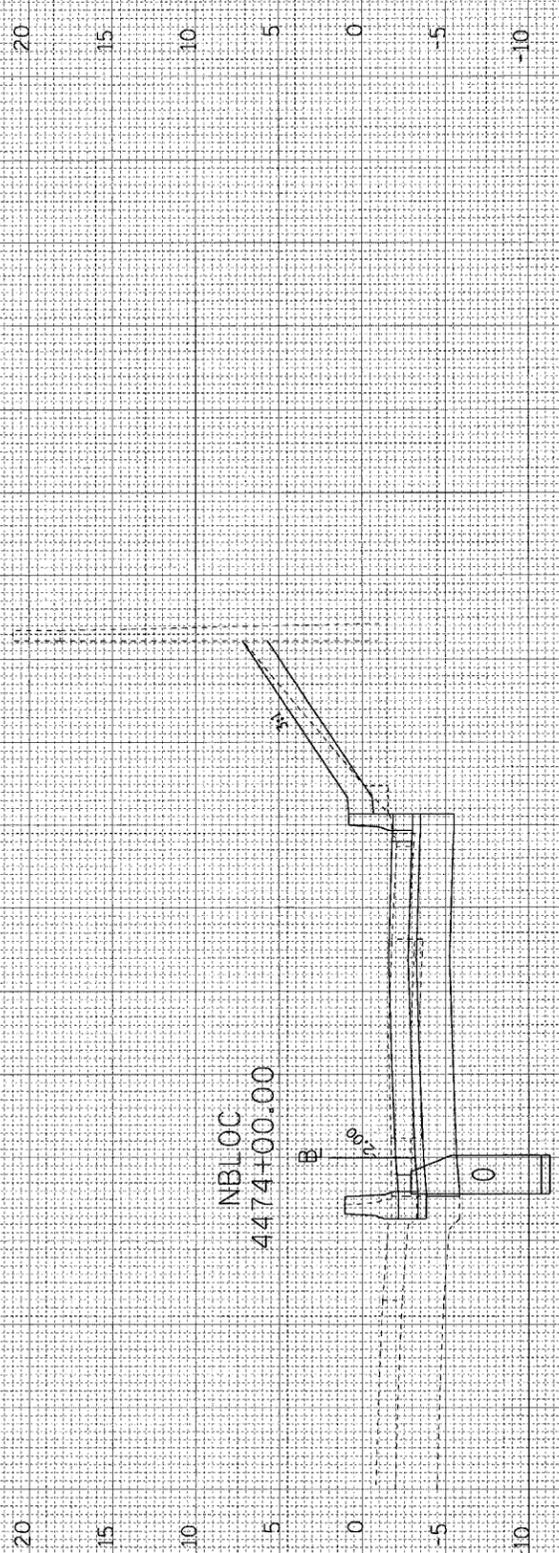
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 NOTE BOOK NO.  
 TEMPLATE AREAS CHECKED

CTE | AECOM

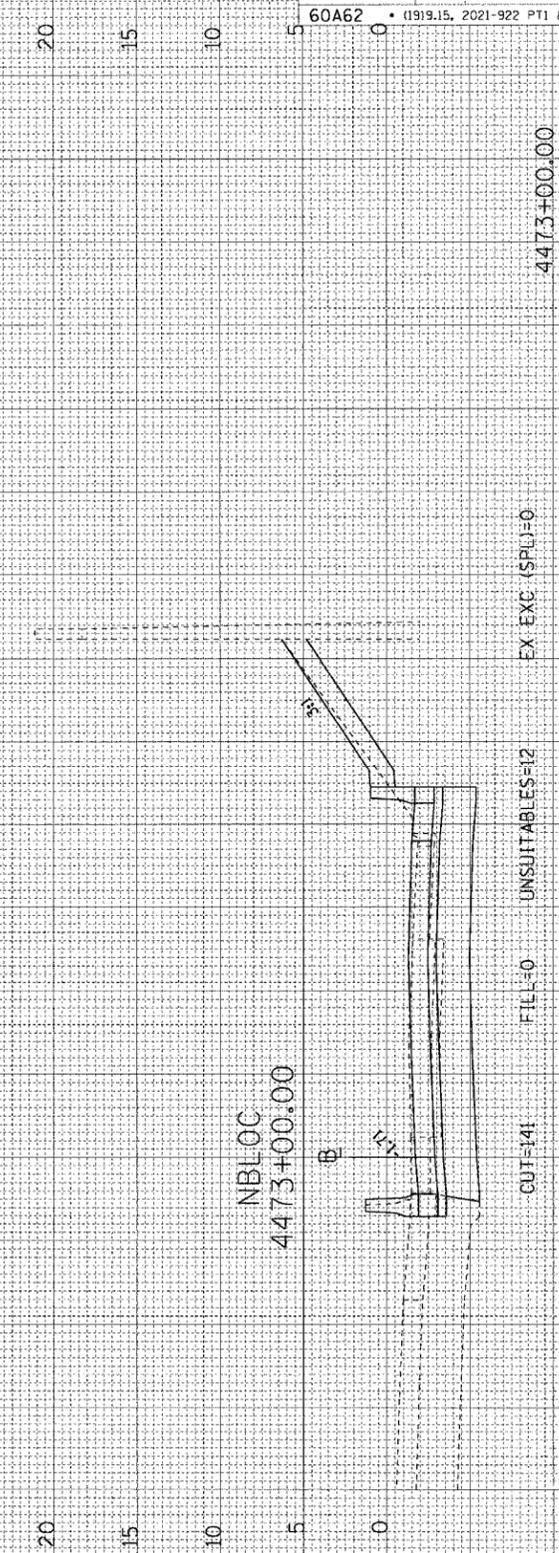
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	•	COOK	312	279
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
60A62 • (1919.15, 2021-922 PT1 & PT2) R-1				



CUT=116 FILL=0 UNSUITABLES=0 EX EXC (SPL)=0 4474+50.00



CUT=123 FILL=5 UNSUITABLES=12 EX EXC (SPL)=1 4474+00.00

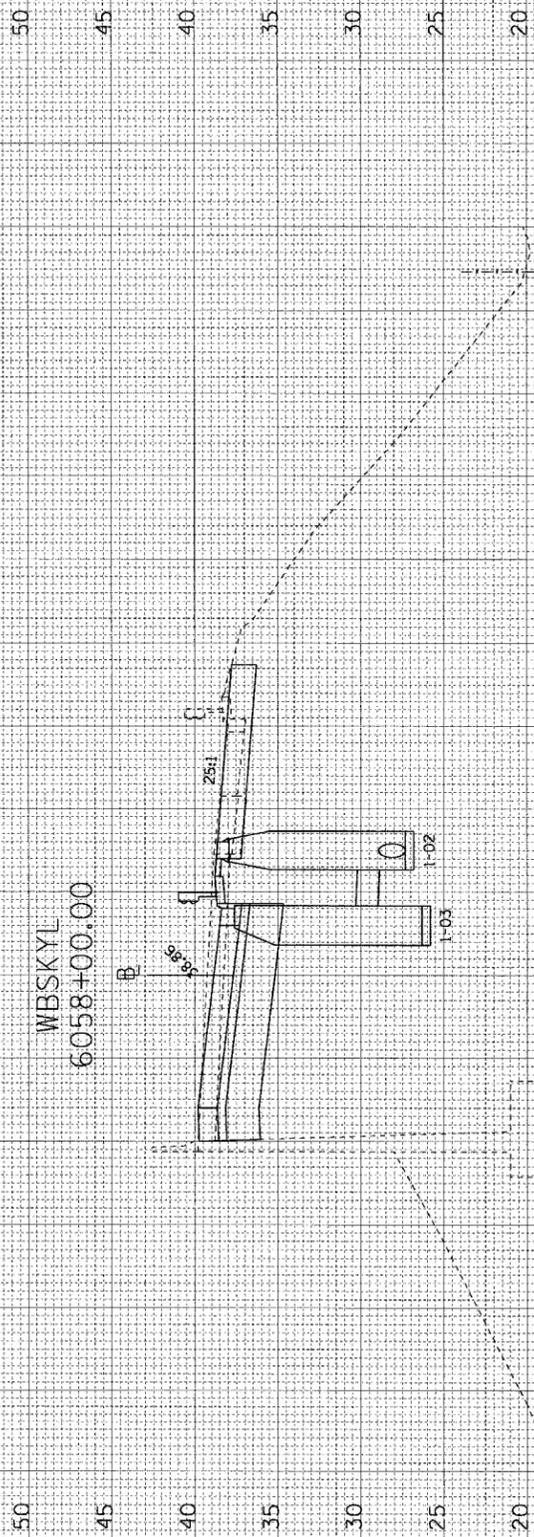


CUT=141 FILL=0 UNSUITABLES=12 EX EXC (SPL)=0 4473+00.00

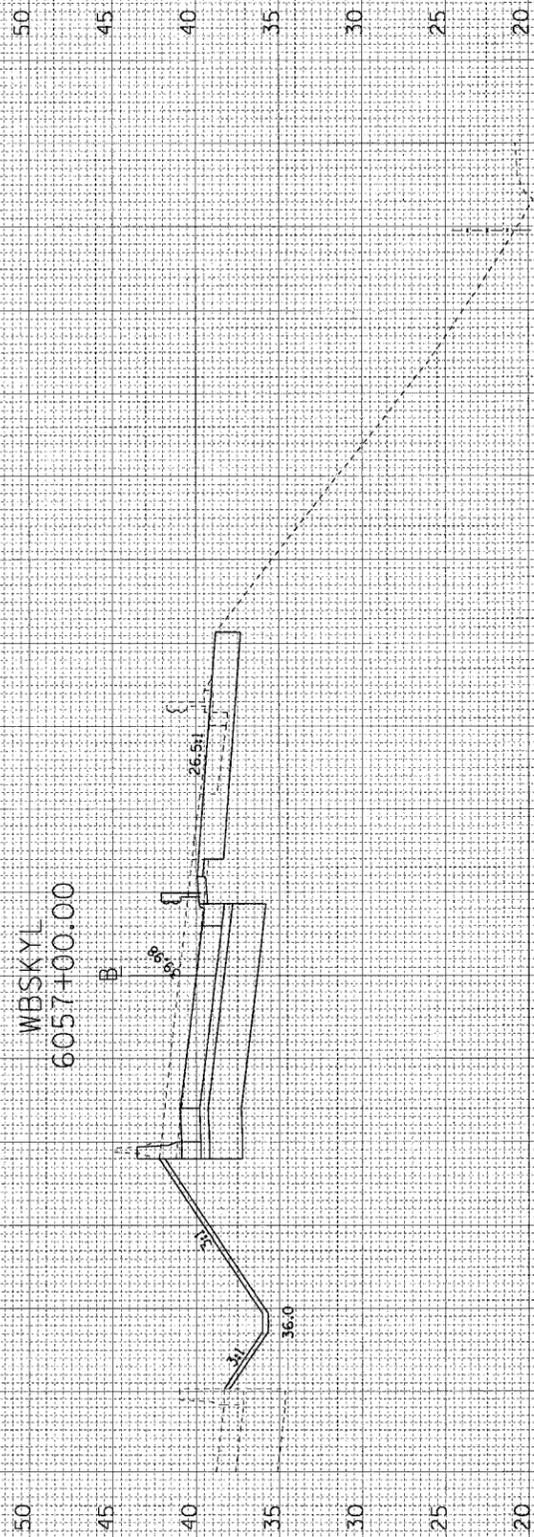
FINAL SURVEY BY DATE  
 SURVEYED BY DATE  
 NOTE BOOK NO. DATE  
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ORIGINAL SURVEY BY DATE  
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 NOTE BOOK NO. DATE  
 TEMPLATE NO. DATE  
 AREAS CHECKED

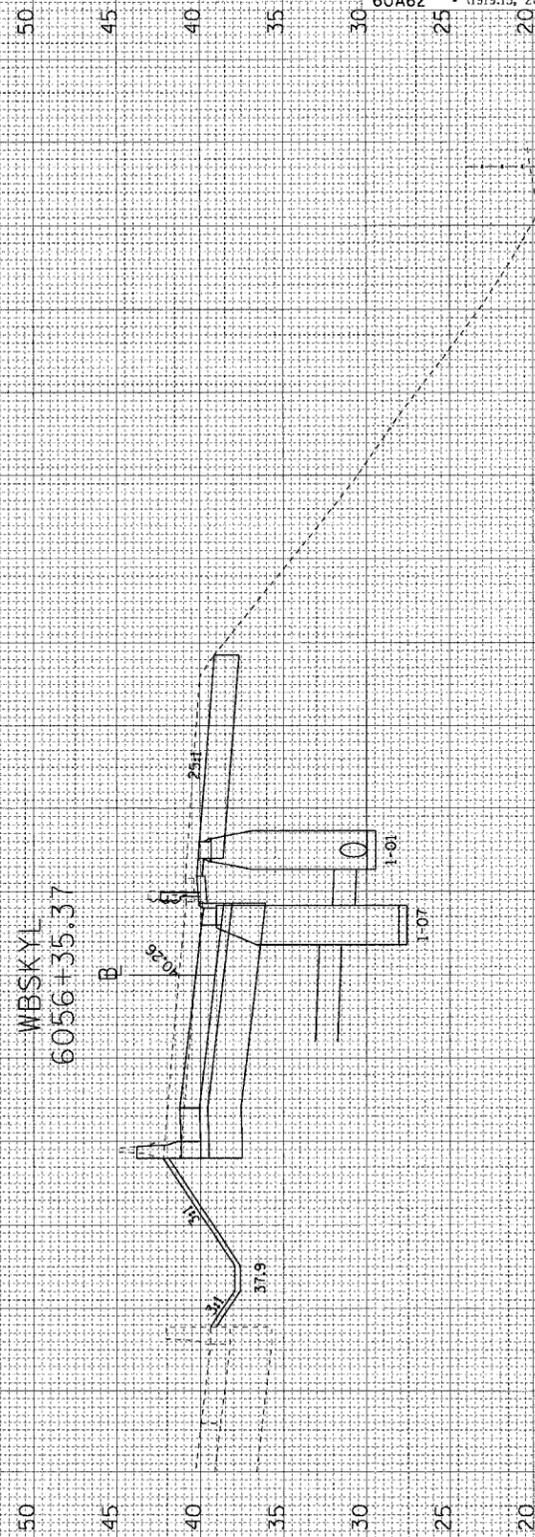
CTE | AECOM



CUT=99 FILL=2 UNSUITABLES=2 EX EXC (SPL)=0 6058+00.00



CUT=140 FILL=5 UNSUITABLES=21 EX EXC (SPL)=0 6057+00.00



CUT=155 FILL=4 UNSUITABLES=25 EX EXC (SPL)=0 6056+35.37

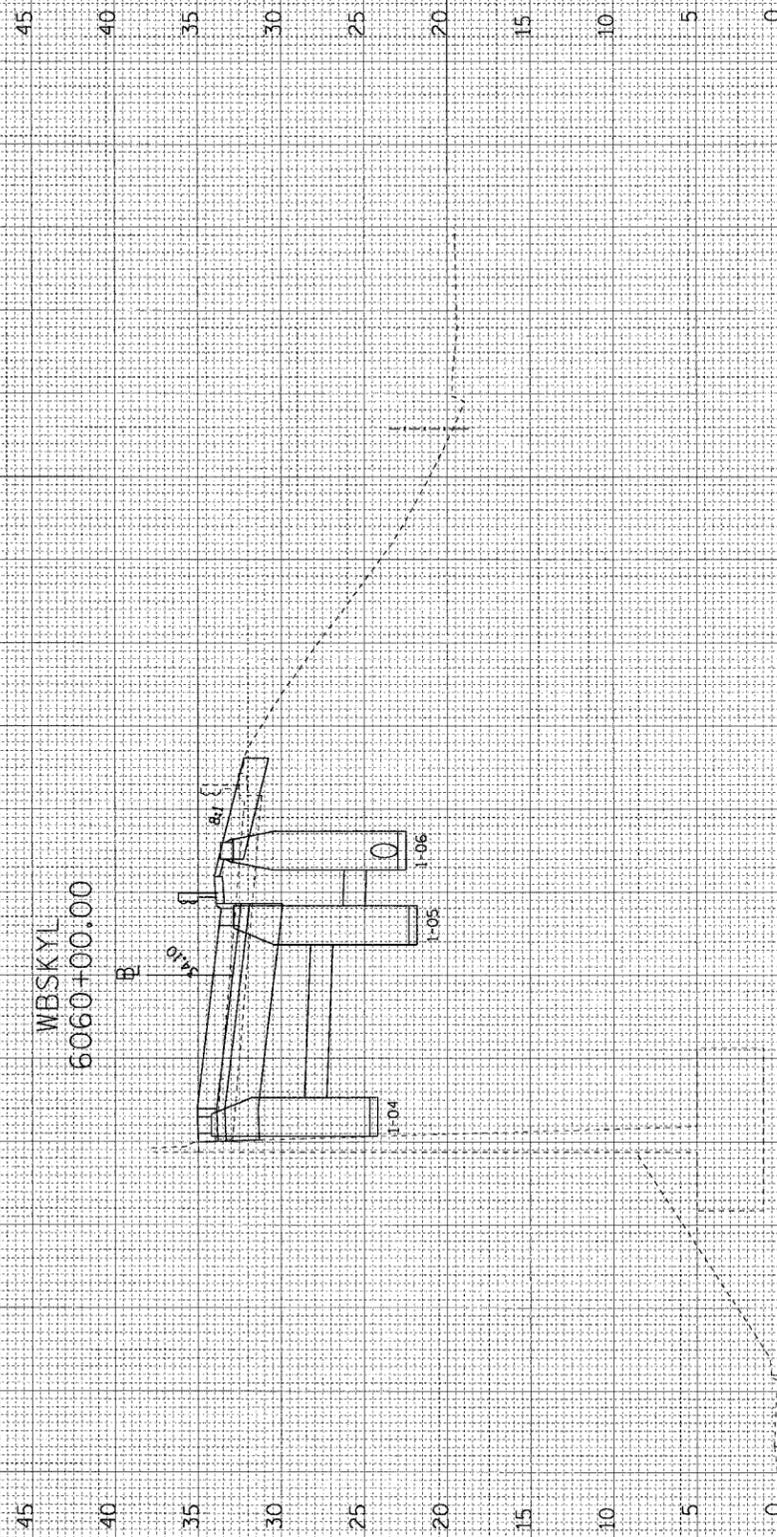
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	•	COOK	312	280
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
60A62 • (1919.15, 2021-922 PT1 & PT2) R-1				

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

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

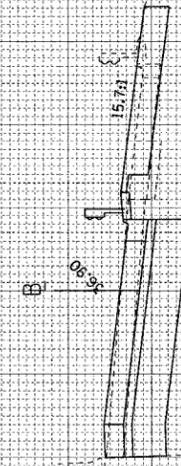
CTE | AECOM



6060+00.00

CUT=50 FILL=14 UNSUITABLES=1 EX EXC (SPL)=0

WBSKYL  
 6059+00.00



6059+00.00

CUT=82 FILL=9 UNSUITABLES=2 EX EXC (SPL)=0

F.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	312	281

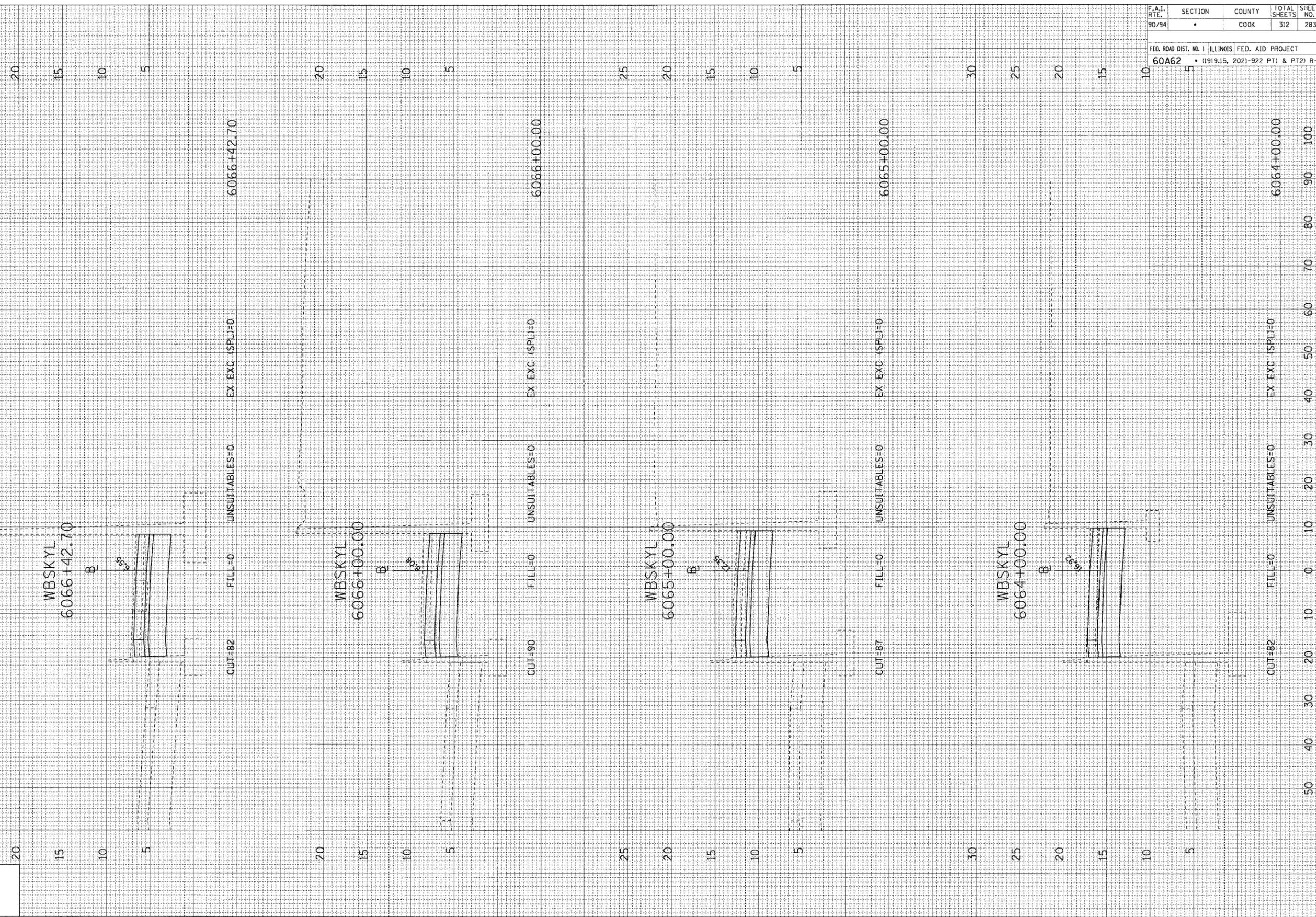
  

FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT
60A62		(1919.15, 2021-922 PT1 & PT2) R-1



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

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



F.A.I. RTE. 90/94	SECTION •	COUNTY COOK	TOTAL SHEETS 312	SHEET NO. 283
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
60A62 • (1919.15, 2021-922 PT1 & PT2) R-1				

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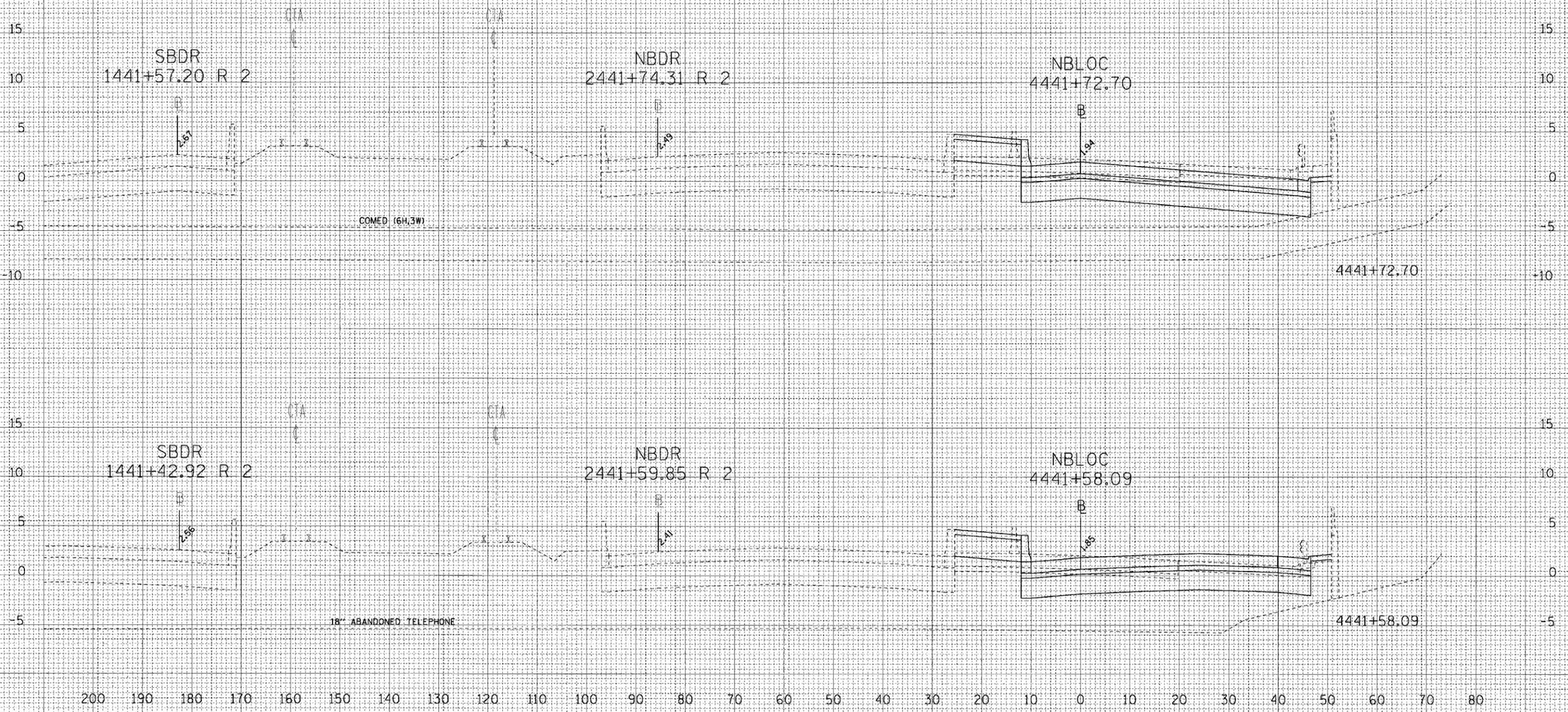




F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	•	COOK	312	286
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
60A62 • (1919.15, 2021-922 PT1 & PT2) R-1				

FINAL	DATE
SURVEYED	BY
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	

ORIGINAL	DATE
SURVEYED	BY
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	



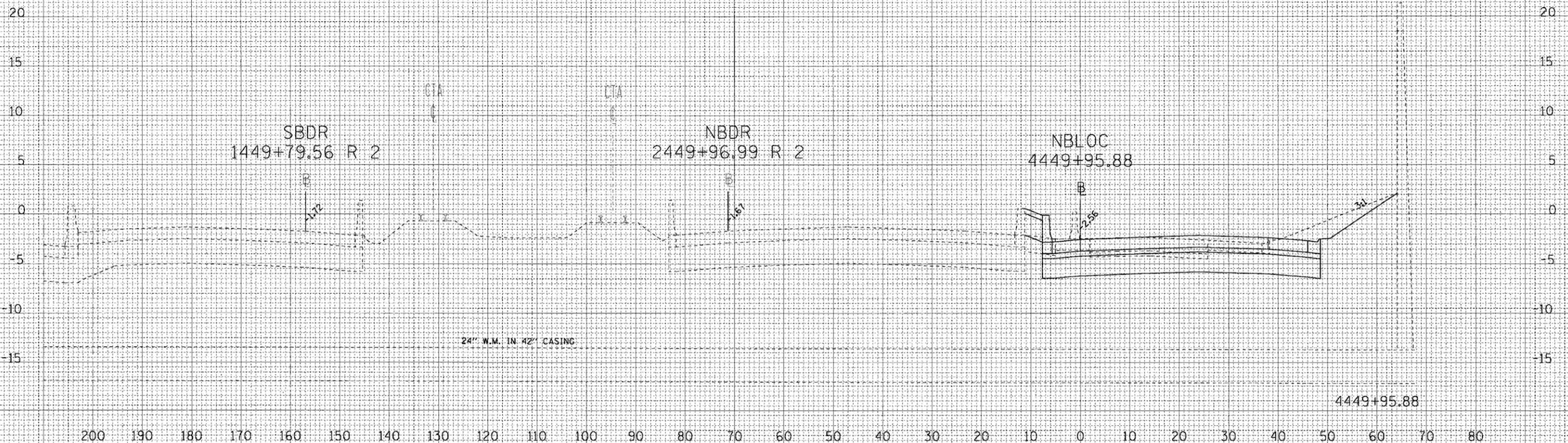
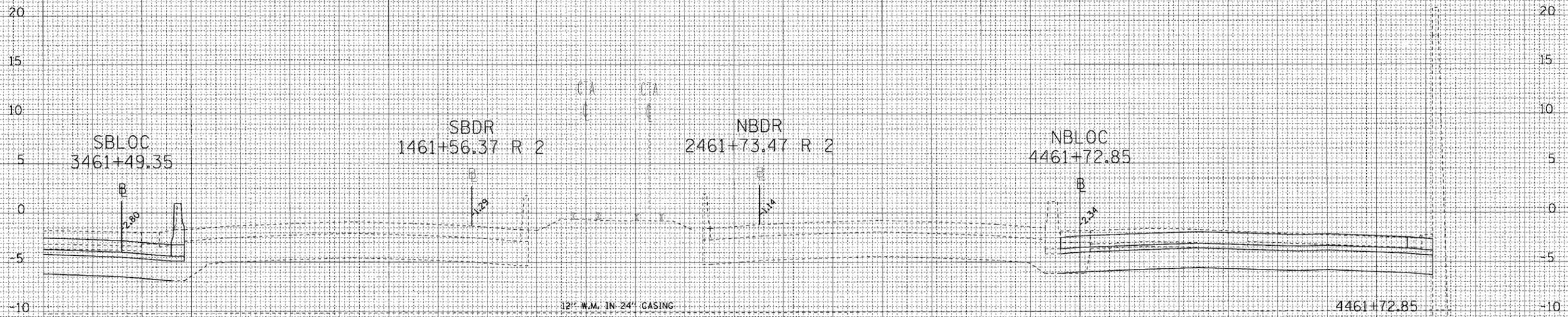
CTE | AECOM

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F.A.I. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	312	287

FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT
60A62	*	(1919.15, 2021-922 PT1 & PT2) R-1



DATE \_\_\_\_\_ BY \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 ORIGINAL SURVEY \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 TEMPLATE \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_

DATE \_\_\_\_\_ BY \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 ORIGINAL SURVEY \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 TEMPLATE \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_

CTE | AECOM

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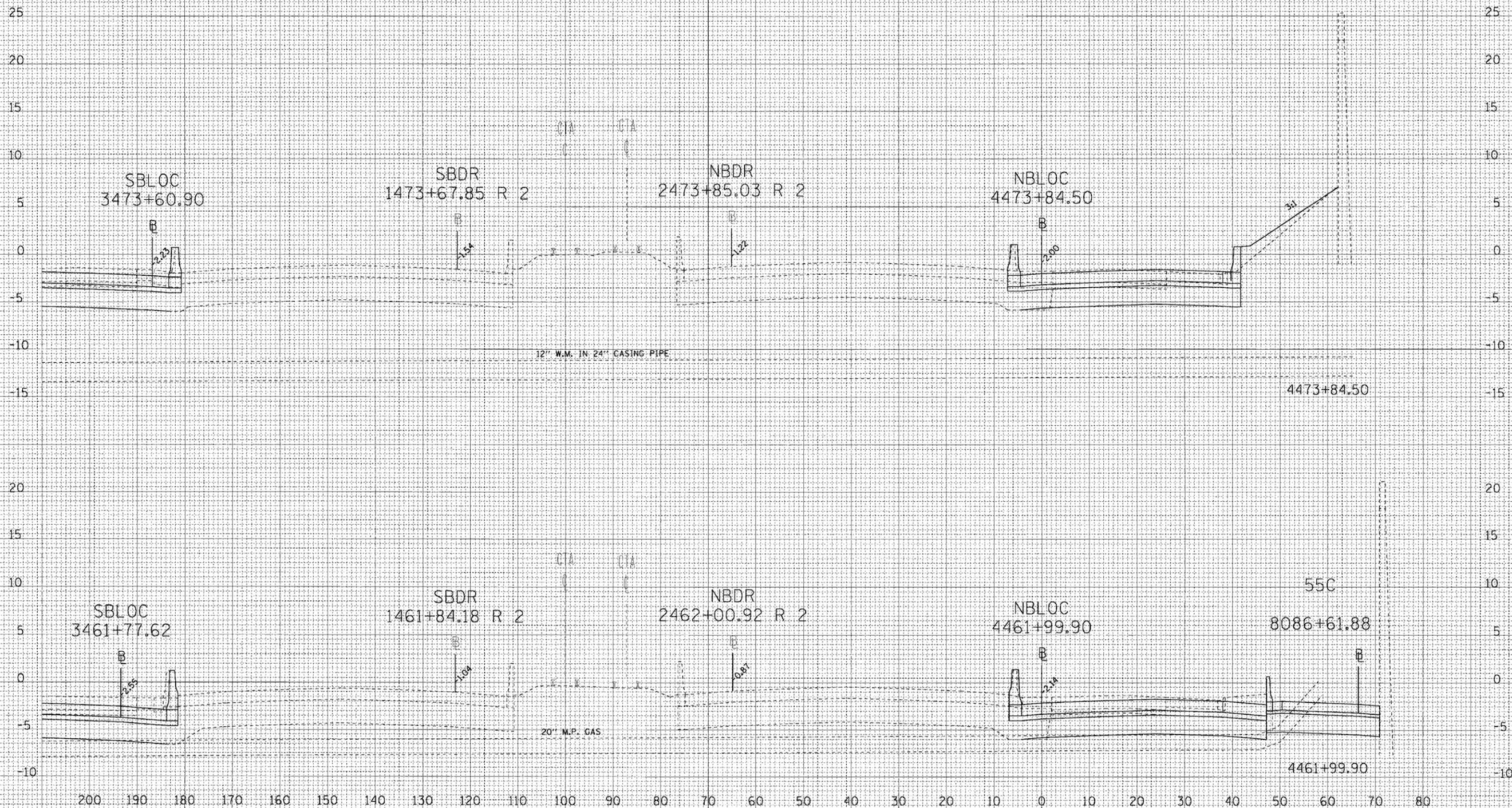
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	312	288

FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT
60A62	(1919.15, 2021-922 PT1 & PT2)	R-1

DATE	
BY	
FINAL SURVEY	
NOTE BOOK	
NO.	

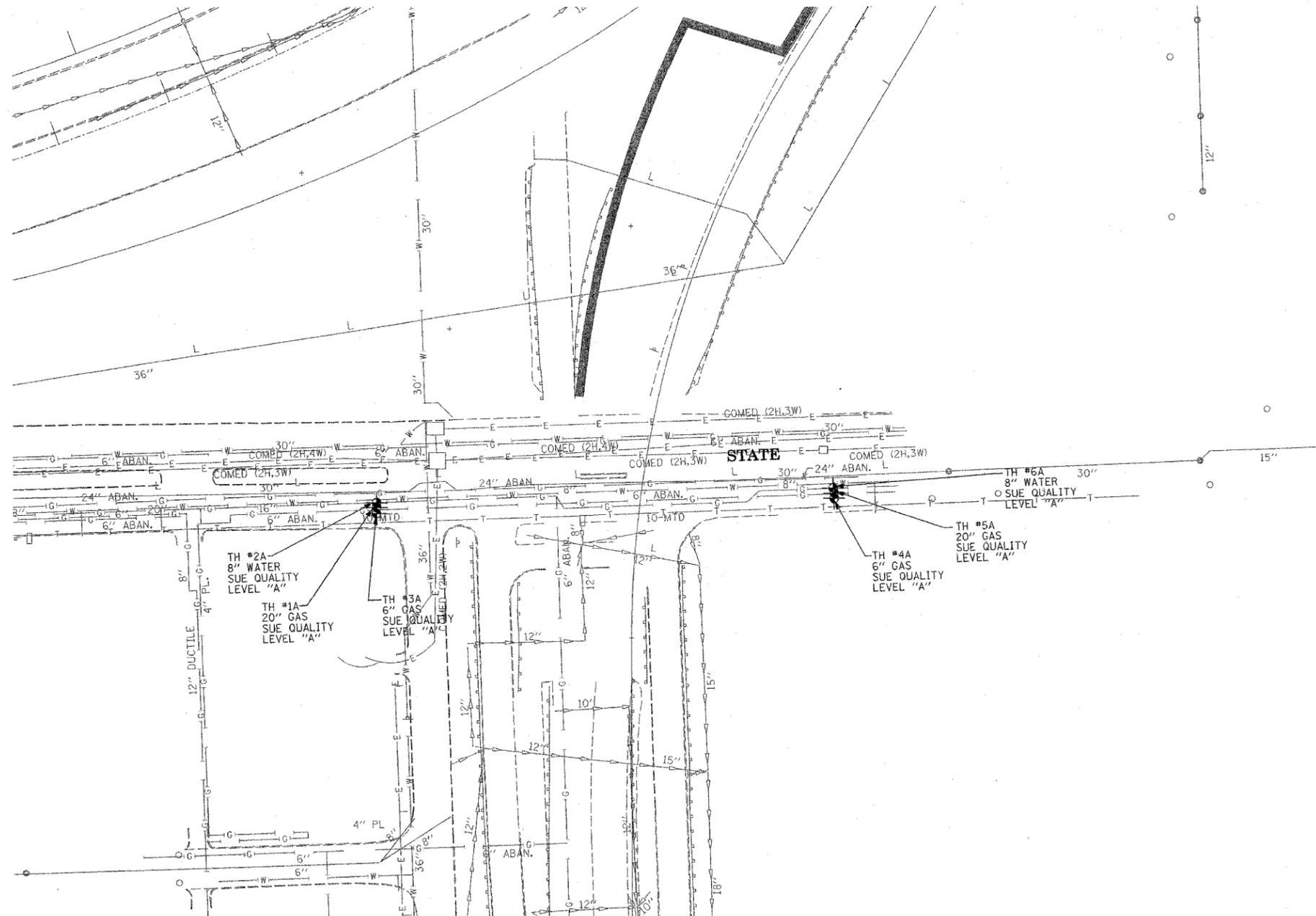
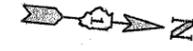
DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	



CTE | AECOM

6/17/2006 9:21:05 AM P:\46466\ch\118\entrs B & 19\1\1\ent\B06\cross sections\valve nbloc\_utility\_2.dwg

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	(1918, 15, 2001, 4022, 4023, 4024, 4025, 4026, 4027, 4028, 4029, 4030, 4031, 4032, 4033, 4034, 4035, 4036, 4037, 4038, 4039, 4040, 4041, 4042, 4043, 4044, 4045, 4046, 4047, 4048, 4049, 4050, 4051, 4052, 4053, 4054, 4055, 4056, 4057, 4058, 4059, 4060, 4061, 4062, 4063, 4064, 4065, 4066, 4067, 4068, 4069, 4070, 4071, 4072, 4073, 4074, 4075, 4076, 4077, 4078, 4079, 4080, 4081, 4082, 4083, 4084, 4085, 4086, 4087, 4088, 4089, 4090, 4091, 4092, 4093, 4094, 4095, 4096, 4097, 4098, 4099, 4100)	Cook	312	289
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



**TBE** CIVIL ENGINEERING \* TRANSPORTATION \* ENVIRONMENTAL \* PLANNING \* UTILITY ENGINEERING/LOCATING  
 SOUTHERN REGION: FL, GA, SC, NC  
 NORTHERN REGION: IL, IN, MI, OH, MD, NJ, NY  
 PA, VA, CANADA  
 WESTERN REGION: AZ, NV, NM, TX, CA, OR, UT, WA

IL09500164, 167, 168, 170, 171, 179, 180, 182, 204, 205, 206, 211, 212, 219, 221, 225, 226, 227, 228, 230, 232  
 TBE SUE PAGE NO: 20 of 36  
 Checked by: *J.M. [Signature]*  
 SUE Quality Level "A" : Test Holes  
 SUE Quality Level "B" : Designating

—TS—	—TS—	TRAFFIC SIGNAL
—SL—	—SL—	STREET LIGHT
—COCE—		CITY OF CHICAGO ELECTRIC
—T—	—T—	TELEPHONE
—W—	—W—	WATER
—G—	—G—	GAS
—CTV—	—CTV—	CABLE TELEVISION
—FO—	—FO—	FIBER OPTIC
—E—	—E—	ELECTRIC
⊙		TEST HOLE

Utilities shown on these plans as depicted in the legend have been investigated by TBE Group, Inc in accordance with SUE Industry Standards. All other information shown has been provided to TBE Group, Inc by others.

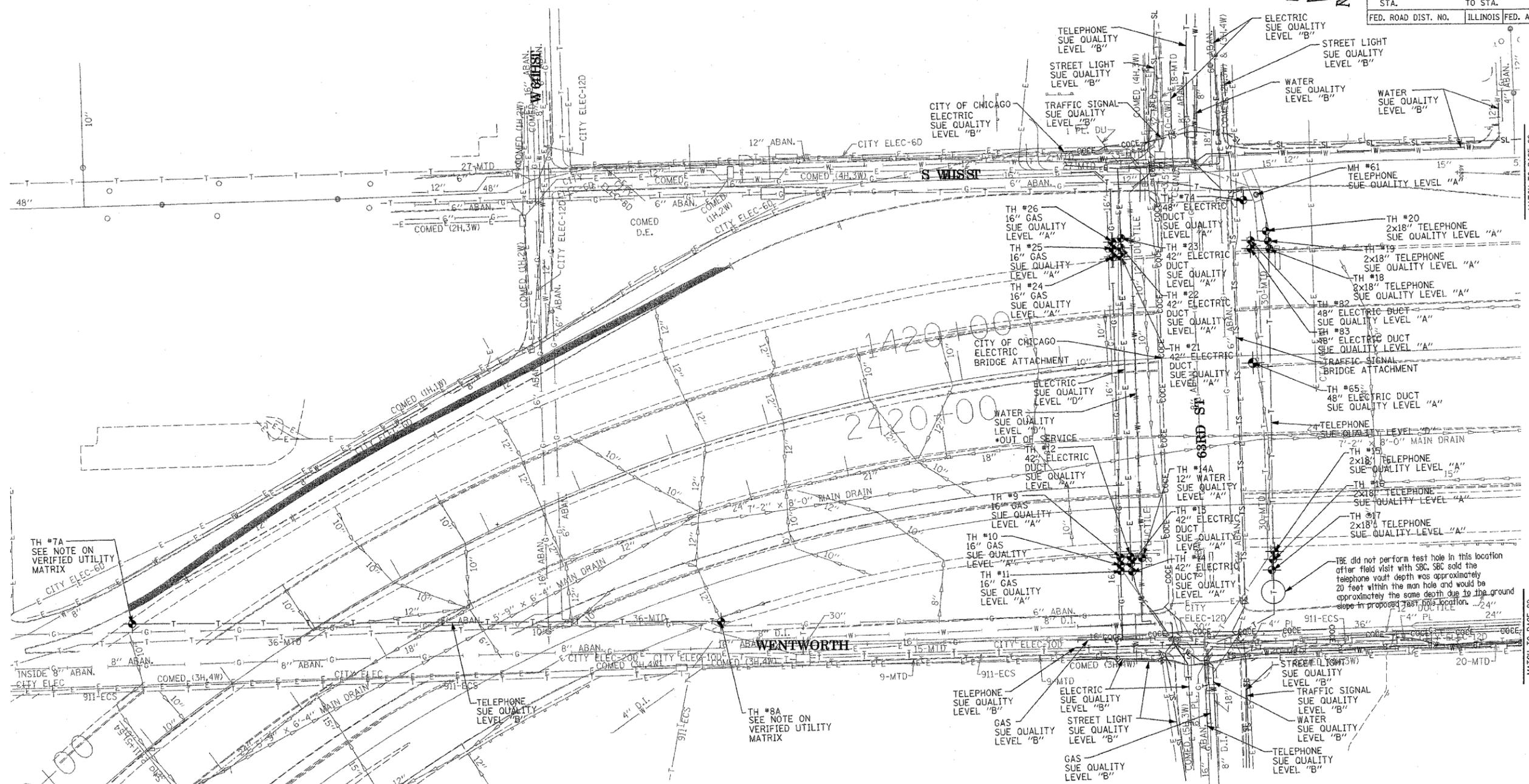
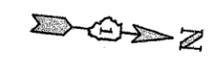
TBE could not locate buried utilities directly beneath the expressway due to traffic and safety issues.

  
 205 W. WACKER DRIVE  
 SUITE 1020  
 CHICAGO, IL 60606  
 (312) 704-1970

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 SUE Investigation of Underground Utilities  
 I-90/I-94 Dan Ryan Expressway from I-57, to 69th Street  
 Contract Number: 62590, 62592, 62594  
 SOL "B" DATE : 7/22/04  
 DRAWN BY : KLC  
 SCALE : 1" = 50'

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		Cook	312	290
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



MATCH TO PAGE 22

MATCH TO PAGE 22

TBE could not locate buried utilities directly beneath the expressway due to traffic and safety issues.

\*At the time of Quality Level "B" SUE services, the water lines were active. The lines, however, are now expected to be out of service per IDOT.



**TBE GROUP, INC.**  
 CIVIL ENGINEERING \* TRANSPORTATION \* ENVIRONMENTAL  
 \* PLANNING \* UTILITY ENGINEERING/LOCATING  
 SOUTHERN REGION: FL, GA, SC, NC  
 NORTHERN REGION: IL, IN, MI, OH, MD, NJ, NY  
 PA, VA, CANADA  
 WESTERN REGION: AZ, NV, NM, TX, CA, OR, UT, WA

IL09500164, 167, 168, 170, 171, 179, 180, 182, 204,  
 205, 206, 211, 212, 219, 221, 225, 226, 227, 228, 230, 232  
 TBE SUE PAGE NO: 21 of 36  
 Checked by: *J.H. Adams E-9802*  
 SUE Quality Level "A" : Test Holes  
 SUE Quality Level "B" : Designating

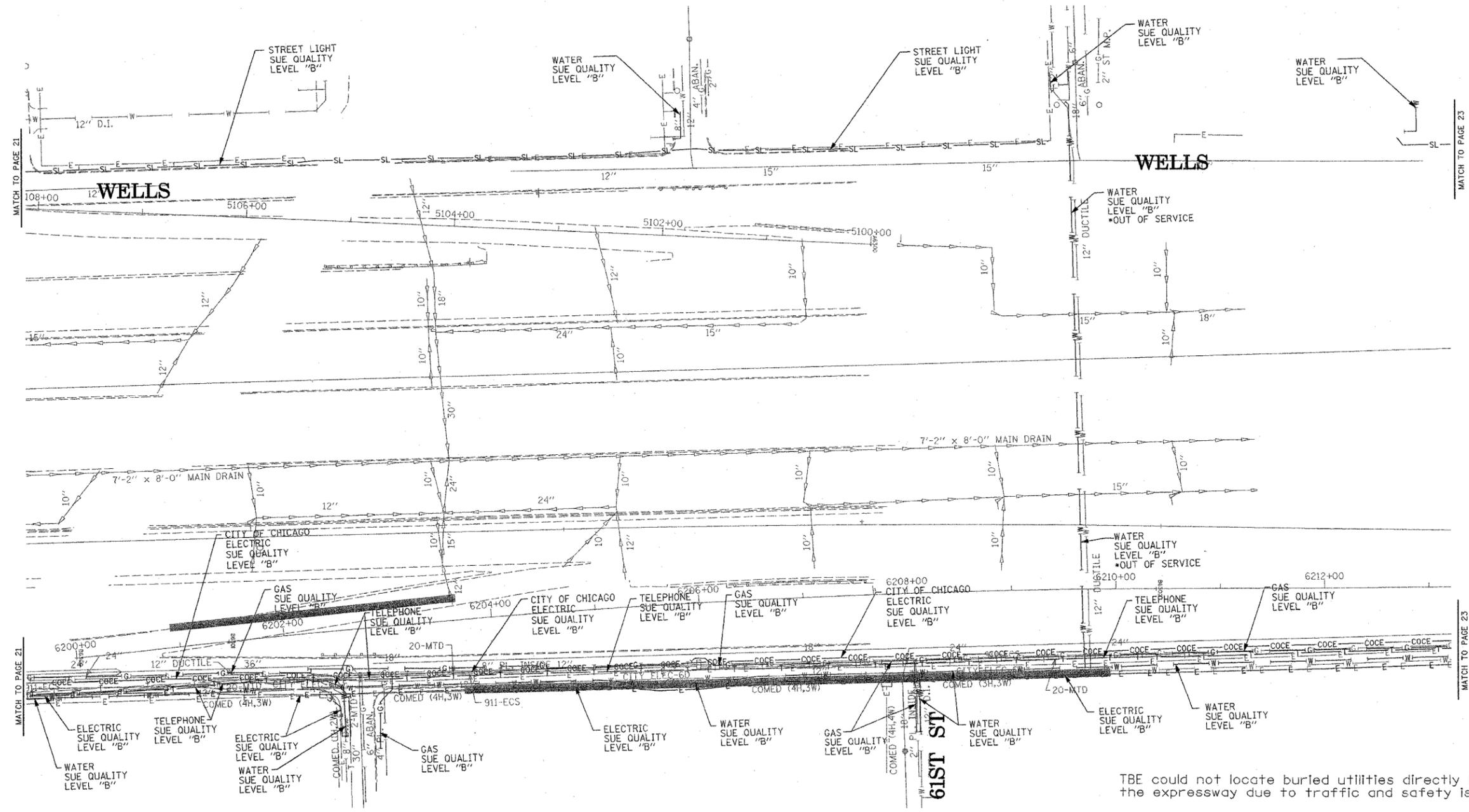
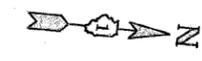
—TS—	—TS—	TRAFFIC SIGNAL
—SL—	—SL—	STREET LIGHT
—COCE—	—COCE—	CITY OF CHICAGO ELECTRIC
—T—	—T—	TELEPHONE
—W—	—W—	WATER
—G—	—G—	GAS
—CTV—	—CTV—	CABLE TELEVISION
—FO—	—FO—	FIBER OPTIC
—E—	—E—	ELECTRIC
●	●	TEST HOLE

Utilities shown on these plans as depicted in the legend have been investigated by TBE Group, Inc in accordance with SUE Industry Standards. All other information shown has been provided to TBE Group, Inc by others.

205 W. WACKER DRIVE  
 SUITE 1020  
 CHICAGO, IL 60606  
 (312) 704-1970

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SUE Investigation of Underground Utilities I-90/I-94 Dan Ryan Expressway from I-51 to 69th Street Contract Number: 62590, 62592, 62594  SQL "A" DATE : 7/22/04      DRAWN BY : KLC SQL "B" DATE : 7/22/04      SCALE : 1" = 50'

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	(SPR 15, 2021-402 P11 & P12) B-1	Cook	312	291
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



TBE could not locate buried utilities directly beneath the expressway due to traffic and safety issues.

\*At the time of Quality Level "B" SUE services, the water lines were active. The lines, however, are now expected to be out of service per IDOT.



**TBE GROUP, INC.**  
 CIVIL ENGINEERING \* TRANSPORTATION \* ENVIRONMENTAL  
 \* PLANNING \* UTILITY ENGINEERING/LOCATING  
 SOUTHERN REGION: FL, GA, SC, NC  
 NORTHERN REGION: IL, IN, MI, OH, MD, NJ, NY  
 PA, VA, CANADA  
 WESTERN REGION: AZ, NV, NM, TX, CA, OR, UT, WA

IL09500164, 167, 168, 170, 171, 179, 180, 182, 204,  
 205, 206, 211, 212, 219, 221, 225, 226, 227, 228, 230, 232  
 TBE SUE PAGE NO: 22 of 36  
 Checked by: *J. Johnson*  
 SUE Quality Level "A" : Test Holes  
 SUE Quality Level "B" : Designating

—TS—	—TS—	TRAFFIC SIGNAL
—SL—	—SL—	STREET LIGHT
—COCE—	—COCE—	CITY OF CHICAGO ELECTRIC
—T—	—T—	TELEPHONE
—W—	—W—	WATER
—G—	—G—	GAS
—CTV—	—CTV—	CABLE TELEVISION
—FO—	—FO—	FIBER OPTIC
—E—	—E—	ELECTRIC
●	●	TEST HOLE

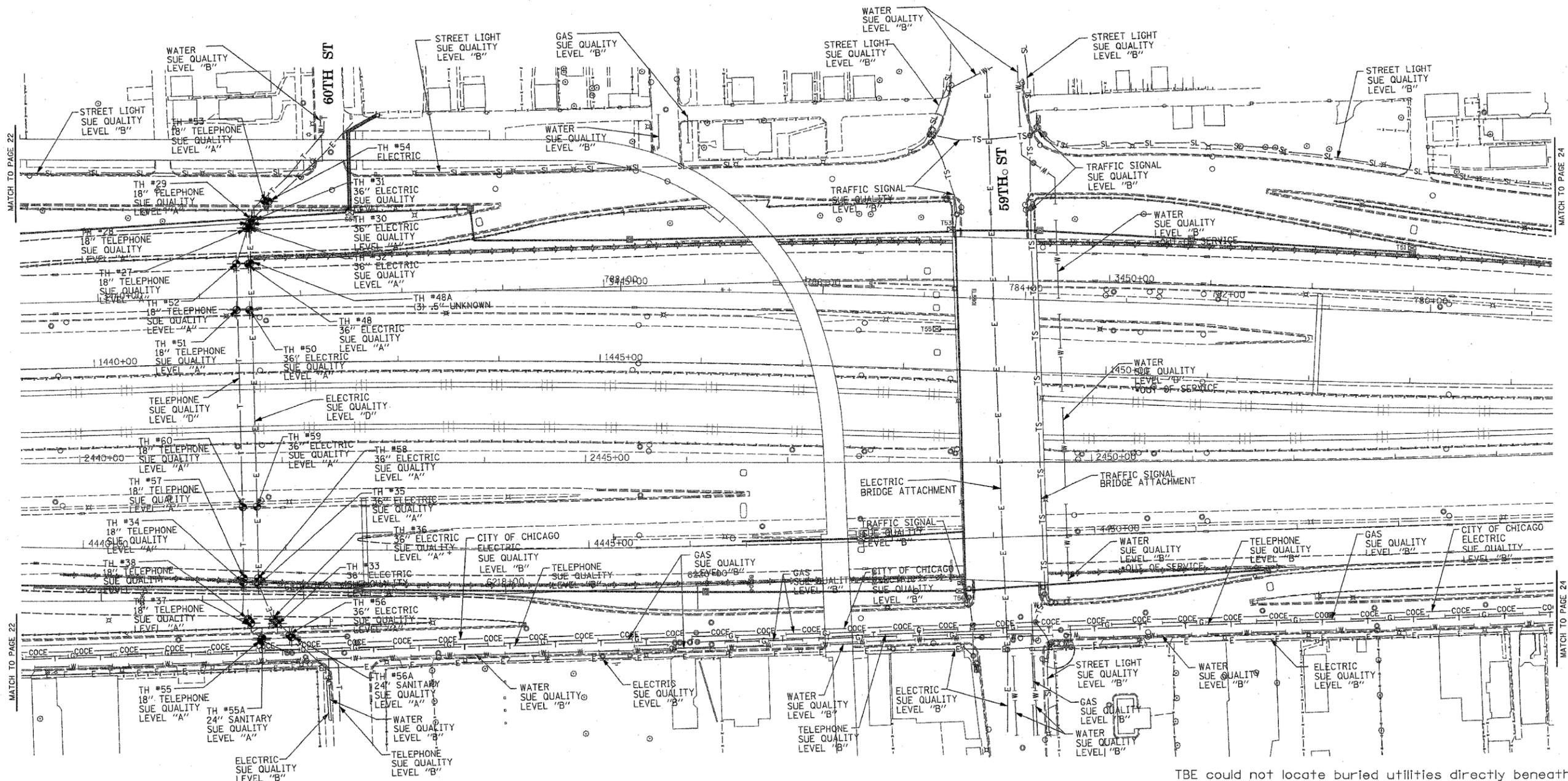
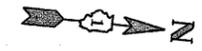
Utilities shown on these plans as depicted in the legend have been investigated by TBE Group, Inc in accordance with SUE Industry Standards. All other information shown has been provided to TBE Group, Inc by others.

205 W. WACKER DRIVE  
 SUITE 1020  
 CHICAGO, IL 60606  
 (312) 704-1970

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 SUE Investigation of Underground Utilities  
 I-90/I-94 Dan Ryan Expressway from  
 I-St. to 69th Street  
 Contract Number: 62590, 62592, 62594  
 SQL "B" DATE : 7/22/04  
 DRAWN BY : KLC  
 SCALE : 1" = 50'

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	CLIP 15, 2021-022 P11 & P12 Q 11	Cook	312	292
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



TBE could not locate buried utilities directly beneath the expressway due to traffic and safety issues.

\*At the time of Quality Level "B" SUE services, the water lines were active. The lines, however, are now expected to be out of service per IDOT.



**TBE GROUP, INC.**  
 CIVIL ENGINEERING \* TRANSPORTATION \* ENVIRONMENTAL  
 \* PLANNING \* UTILITY ENGINEERING/LOCATING  
 SOUTHERN REGION: FL, GA, SC, NC  
 NORTHERN REGION: IL, IN, MI, OH, MD, NJ, NY  
 PA, VA, CANADA  
 WESTERN REGION: AZ, NV, NM, TX, CA, OR, UT, WA

IL09500164, 167, 168, 170, 171, 179, 180, 182, 204,  
 205, 206, 211, 212, 219, 221, 225, 226, 227, 228, 230, 232  
 TBE SUE PAGE NO: 23 of 36  
 Checked by: *Sandra Lopez*  
 SUE Quality Level "A" : Test Holes  
 SUE Quality Level "B" : Designating

—TS—	—TS—	TRAFFIC SIGNAL
—SL—	—SL—	STREET LIGHT
—COCE—	—COCE—	CITY OF CHICAGO ELECTRIC
—T—	—T—	TELEPHONE
—W—	—W—	WATER
—G—	—G—	GAS
—CTV—	—CTV—	CABLE TELEVISION
—FO—	—FO—	FIBER OPTIC
—E—	—E—	ELECTRIC
⊙	⊙	TEST HOLE

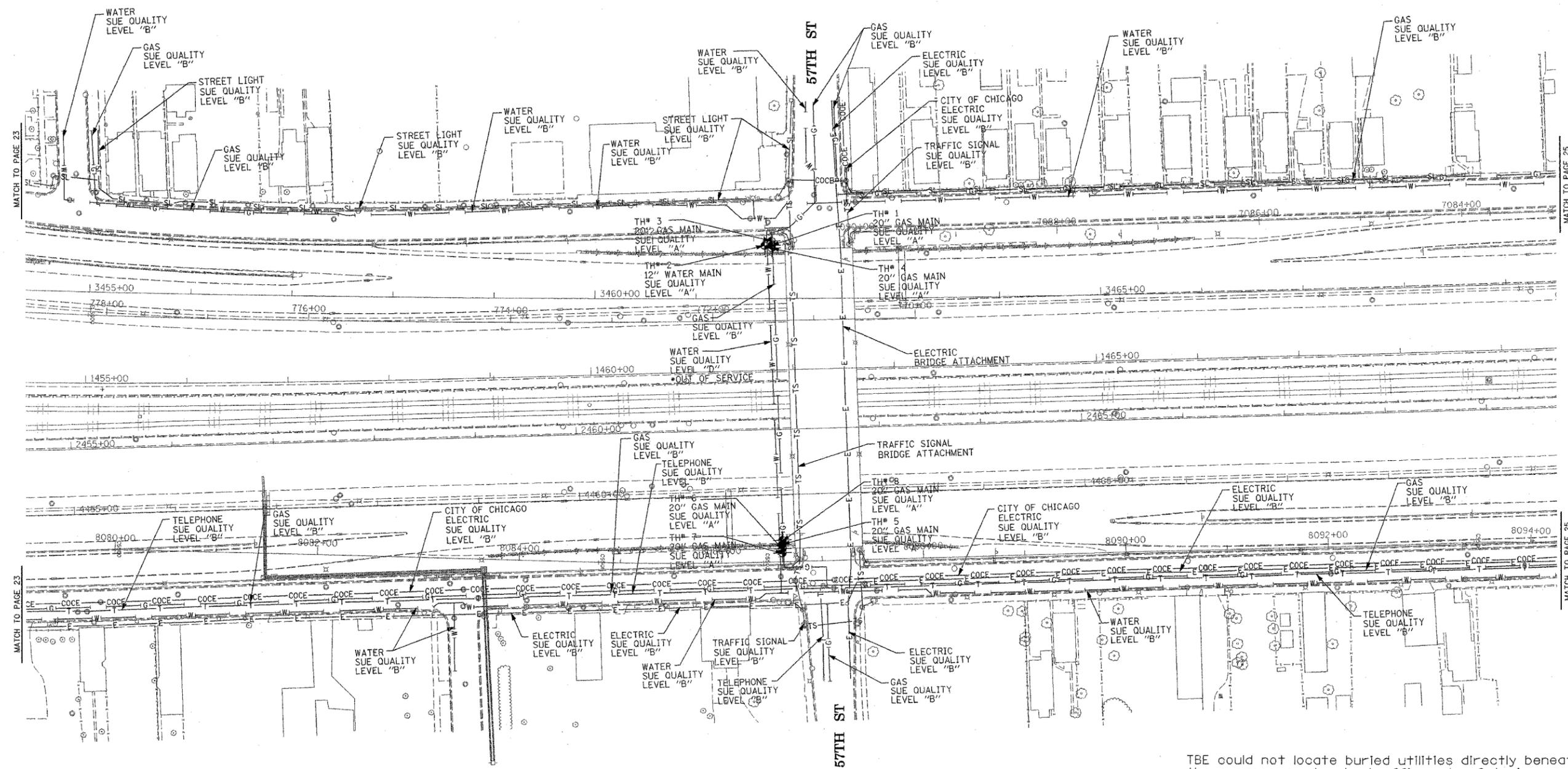
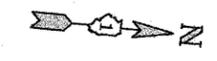
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ILLINOIS DEPARTMENT OF TRANSPORTATION  
 205 W. WACKER DRIVE  
 SUITE 1020  
 CHICAGO, IL 60606  
 (312) 704-1970

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 SUE Investigation of Underground Utilities  
 I-90/I-94 Dan Ryan Expressway from  
 I-57 to 69th Street  
 Contract Numbers: 62590, 62592, 62594  
 SQL "A" DATE : 7/22/04  
 SQL "B" DATE : 7/22/04  
 DRAWN BY : KLC  
 SCALE : 1" = 50'

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	1718.15.201.002.FY.14.P1231.1	Cook	312	293
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



TBE could not locate buried utilities directly beneath the expressway due to traffic and safety issues.

\*At the time of Quality Level "B" SUE services, the water lines were active. The lines, however, are now expected to be out of service per IDOT.

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 PA, VA, CANADA  
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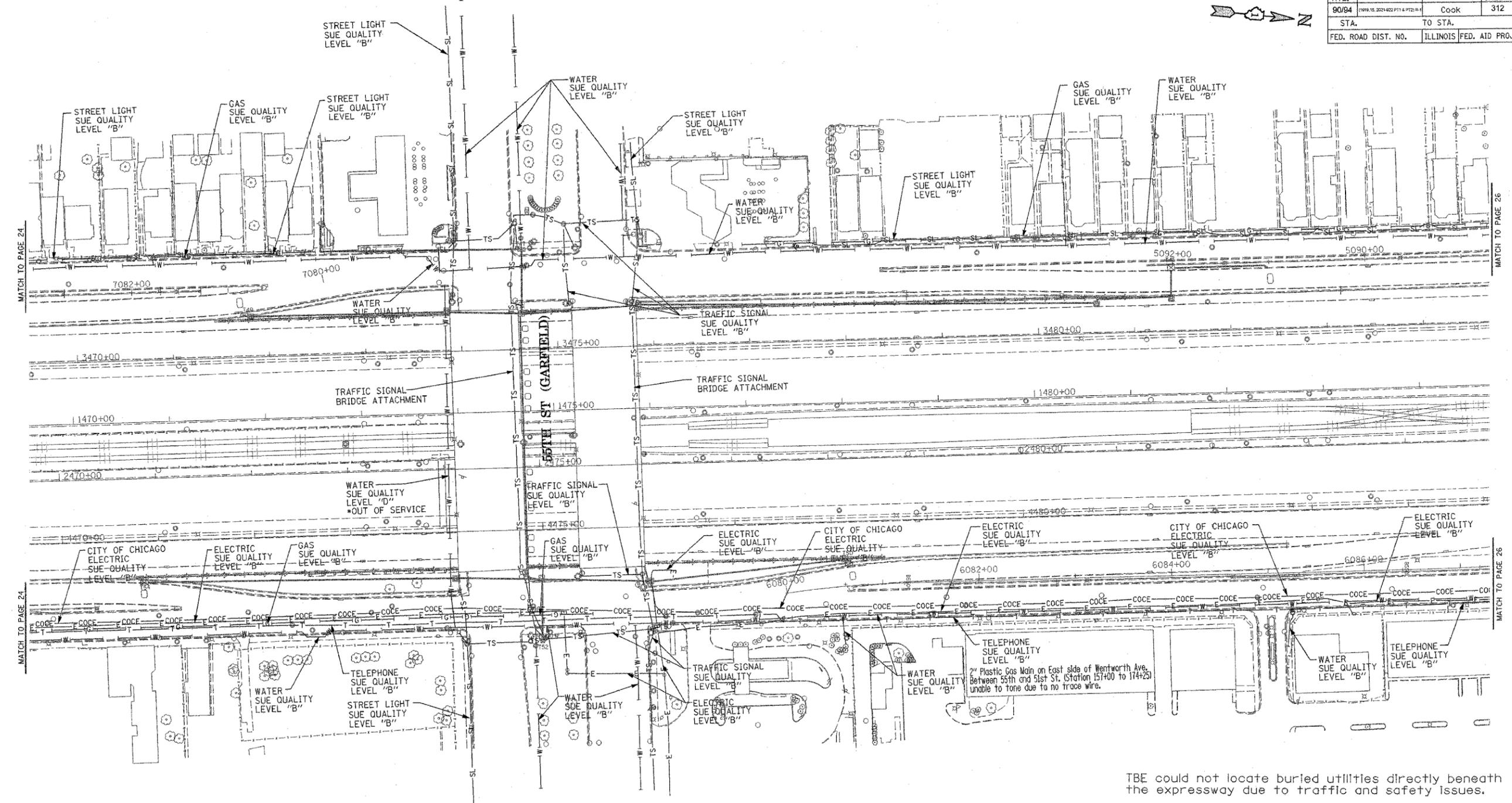
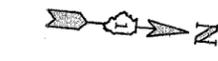
IL09500164, 167, 168, 171, 179, 180, 182, 204,  
 205, 206, 211, 212, 219, 221, 225, 226, 227, 228, 230, 232  
 TBE SUE PAGE NO: 24 of 36  
 Checked by: *[Signature]*  
 SUE Quality Level "A" : Test Holes  
 SUE Quality Level "B" : Designating

—TS—	—TS—	TRAFFIC SIGNAL
—SL—	—SL—	STREET LIGHT
—COCE—	—COCE—	CITY OF CHICAGO ELECTRIC
—T—	—T—	TELEPHONE
—W—	—W—	WATER
—G—	—G—	GAS
—CTV—	—CTV—	CABLE TELEVISION
—FO—	—FO—	FIBER OPTIC
—E—	—E—	ELECTRIC
●	●	TEST HOLE

Utilities shown on these plans as depicted in the legend have been investigated by TBE Group, Inc in accordance with SUE Industry Standards. All other information shown has been provided to TBE Group, Inc by others.

 205 W. WACKER DRIVE SUITE 1020 CHICAGO, IL 60606 (312) 704-1970	REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION  SUE Investigation of Underground Utilities I-90/I-94 Dan Ryan Expressway from I-57 to 69th Street Contract Numbers: 62590, 62592, 62594  SQL "A" DATE: 7/22/04 SQL "B" DATE: 7/22/04
	NAME	DATE	
DRAWN BY: KLC		SCALE: 1" = 50'	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	1099.15, 2024-402 P11 & P123-B-1	Cook	312	294
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TBE could not locate buried utilities directly beneath the expressway due to traffic and safety issues.

\*At the time of Quality Level "B" SUE services, the water lines were active. The lines, however, are now expected to be out of service per IDOT.



**TBE GROUP, INC.**  
 CIVIL ENGINEERING \* TRANSPORTATION \* ENVIRONMENTAL  
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IL09500164, 167, 168, 170, 171, 179, 180, 182, 204,  
 205, 206, 211, 212, 219, 221, 225, 226, 227, 228, 230, 232  
 TBE SUE PAGE NO: 25 of 36  
 Checked by: *[Signature]*  
 SUE Quality Level "A" : Test Holes  
 SUE Quality Level "B" : Designating

—TS—	—TS—	TRAFFIC SIGNAL
—SL—	—SL—	STREET LIGHT
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—CTV—	—CTV—	CABLE TELEVISION
—FO—	—FO—	FIBER OPTIC
—E—	—E—	ELECTRIC
●	●	TEST HOLE

Utilities shown on these plans as depicted in the legend have been investigated by TBE Group, Inc in accordance with SUE Industry Standards. All other information shown has been provided to TBE Group, Inc by others.

205 W. WACKER DRIVE  
 SUITE 1020  
 CHICAGO, IL 60606  
 (312) 704-1970

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 SUE Investigation of Underground Utilities  
 I-90/I-94 Dan Ryan Expressway from  
 I-57, to 69th Street  
 Contract Number: 62590, 62592, 62594  
 SQL "B" DATE : 7/22/04  
 DRAWN BY : KLC  
 SCALE : 1" = 50'

**VERIFIED UTILITY INFORMATION**

TEST HOLE #	SIZE & TYPE	NORTHING	EASTING	TOP OF UTILITY	EXISTING CUT	REFERENCE GROUND ELEVATION	COMMENTS
1	20" G	1867123.035	1175606.560	-1.85	1.50	-0.35	SUE QUALITY LEVEL "A"
2	12" W	1867115.884	1175606.924	-1.53	1.13	-0.40	SUE QUALITY LEVEL "A"
3	20" G	1867122.650	1175602.392	-0.08	0.69	0.61	SUE QUALITY LEVEL "A"
4	20" G	1867122.945	1175609.366	-6.36	5.41	-0.95	SUE QUALITY LEVEL "A"
5	20" G	1867132.835	1175901.810	-4.63	3.39	-1.24	SUE QUALITY LEVEL "A"
6	20" G	1867132.928	1175905.856	-2.34	2.74	0.40	SUE QUALITY LEVEL "A"
7	20" G	1867132.947	1175910.232	0.11	1.93	2.04	SUE QUALITY LEVEL "A"
8	20" G	1867132.990	1175897.762	-5.44	3.49	-1.95	SUE QUALITY LEVEL "A"
1A	20" G	1861211.910	1177445.200	15.85	3.65	19.50	SUE QUALITY LEVEL "A"
2A	8" W	1861211.860	1177441.360	14.70	4.87	19.57	SUE QUALITY LEVEL "A"
3A	6" G	1861211.740	1177450.260	15.19	4.18	19.37	SUE QUALITY LEVEL "A"
4A	6" G	1861598.210	1177437.850	15.50	4.43	19.93	SUE QUALITY LEVEL "A"
5A	20" G	1861598.200	1177433.420	17.22	2.82	20.04	SUE QUALITY LEVEL "A"
6A	8" W	1861597.270	1177429.100	15.86	4.42	20.08	SUE QUALITY LEVEL "A"
7A	SEE NOTE	1862113.690	1176035.420	—	7.29	0.33	SEE NOTE
8A	SEE NOTE	1862704.020	1176033.590	-6.74	5.31	-1.43	SUE QUALITY LEVEL "A"
9	16" G	1863104.250	1175969.140	-2.44	4.55	2.11	SUE QUALITY LEVEL "A"
10	16" G	1863104.500	1175976.510	-1.83	5.77	3.94	SUE QUALITY LEVEL "A"
11	16" G	1863104.750	1175982.670	0.42	5.48	5.90	SUE QUALITY LEVEL "A"
12	*42" E	1863114.170	1175968.110	-2.35	4.64	2.29	SUE QUALITY LEVEL "A"
13	*42" E	1863114.830	1175975.120	-2.35	6.43	4.08	SUE QUALITY LEVEL "A"
14	*42" E	1863116.050	1175983.240	-2.34	9.02	6.68	SUE QUALITY LEVEL "A"
14A	12" W	1863125.770	1175969.560	-2.99	5.96	2.97	SUE QUALITY LEVEL "A"
15	2x*18" BT	1863258.330	1175962.750	-6.25	9.98	3.73	SUE QUALITY LEVEL "A"
16	2X*18" BT	1863256.850	1175970.740	-3.14	9.44	6.30	SUE QUALITY LEVEL "A"
17	2x*18" BT	1863255.680	1175981.210	-3.00	12.97	9.97	SUE QUALITY LEVEL "A"
18	2x*18" BT	1863254.030	1175661.690	-5.00	8.95	3.95	SUE QUALITY LEVEL "A"
19	2x*18" BT	1863252.560	1175654.200	-4.38	11.01	6.63	SUE QUALITY LEVEL "A"
20	2x*18" BT	1863250.510	1175644.060	-3.82	13.39	9.77	SUE QUALITY LEVEL "A"
21	*42" E	1863105.180	1175669.260	0.89	3.54	4.43	SUE QUALITY LEVEL "A"
22	*42" E	1863105.160	1175660.820	-1.00	7.50	6.50	SUE QUALITY LEVEL "A"

**VERIFIED UTILITY INFORMATION**

TEST HOLE #	SIZE & TYPE	NORTHING	EASTING	TOP OF UTILITY	EXISTING CUT	REFERENCE GROUND ELEVATION	COMMENTS
23	*42" E	1863105.310	1175651.280	-0.63'	10.05'	9.42'	SUE QUALITY LEVEL "A"
24	16" G	1863097.580	1175669.900	0.15'	4.36'	4.51'	SUE QUALITY LEVEL "A"
25	16" G	1863097.130	1175661.950	1.09'	5.01'	6.10'	SUE QUALITY LEVEL "A"
26	16" G	1863096.690	1175655.260	1.53'	6.63'	8.16'	SUE QUALITY LEVEL "A"
27	*18" BT	1865094.940	1175582.150	0.35'	11.57'	11.92'	SUE QUALITY LEVEL "A"
28	*18" BT	1865097.810	1175578.180	1.03'	12.10'	13.13'	SUE QUALITY LEVEL "A"
29	*18" BT	1865100.160	1175573.950	2.11'	12.35'	14.46'	SUE QUALITY LEVEL "A"
30	*36" E	1865099.910	1175578.500	-3.55'	16.71'	13.16'	SUE QUALITY LEVEL "A"
31	*36" E	1865103.162	1175573.669	-2.89'	17.47'	14.58'	SUE QUALITY LEVEL "A"
32	*36" E	1865097.615	1175581.930	-3.91'	15.88'	11.97'	SUE QUALITY LEVEL "A"
33	*36" E	1865124.435	1175973.073	0.82'	13.43'	14.25'	SUE QUALITY LEVEL "A"
34	*18" BT	1865090.975	1175932.544	-4.41'	6.37'	1.96'	SUE QUALITY LEVEL "A"
35	*36" E	1865105.924	1175934.833	-4.59'	7.05'	2.46'	SUE QUALITY LEVEL "A"
36	*36" E	1865120.467	1175968.691	-0.94'	14.14'	13.20'	SUE QUALITY LEVEL "A"
37	*18" BT	1865098.448	1175972.477	2.26'	10.37'	12.63'	SUE QUALITY LEVEL "A"
38	*18" BT	1865095.321	1175968.307	-0.23'	12.22'	11.99'	SUE QUALITY LEVEL "A"
39	See Note G	1873623.853	1175722.432	—	16.00'	12.60'	CLEARANCE DEPTH
40	20" G	1873624.086	1175713.696	-6.36'	16.78'	10.42'	SUE QUALITY LEVEL "A"
41	20" G	1873629.270	1175680.376	-10.19'	9.14'	-1.05'	SUE QUALITY LEVEL "A"
42	20" G	1873630.734	1175671.020	-12.73'	9.01'	-3.72'	SUE QUALITY LEVEL "A"
43	20" G	1873631.833	1175664.164	-13.65'	7.75'	-5.90'	SUE QUALITY LEVEL "A"
44	20" G	1873662.688	1175369.141	-3.90'	4.72'	0.82'	SUE QUALITY LEVEL "A"
45	20" G	1873663.608	1175361.458	-2.90'	5.76'	2.86'	SUE QUALITY LEVEL "A"
46	20" G	1873664.488	1175351.804	-0.50'	5.98'	5.48'	SUE QUALITY LEVEL "A"
47	20" G	1873661.260	1175377.470	-4.21'	3.61'	-0.60'	SUE QUALITY LEVEL "A"
48	*36" E	1865096.950	1175617.420	-3.95'	5.91'	1.96'	SUE QUALITY LEVEL "A"
48A	(3)12" UNK	1865098.890	1175616.560	-1.25'	3.20'	1.95'	
49	20" G	1873654.520	1175434.880	-6.86'	4.54'	-2.32'	SUE QUALITY LEVEL "A"
50	*36" E	1865097.950	1175663.360	-4.48'	6.85'	2.37'	SUE QUALITY LEVEL "A"
51	*18" BT	1865085.150	1175663.290	-5.46'	7.73'	2.27'	SUE QUALITY LEVEL "A"
52	*18" BT	1865085.030	1175617.240	-4.60'	6.57'	1.97'	SUE QUALITY LEVEL "A"

**TBE Project Information**

\* Size given is duct width only.  
 TH#7A unable to determine object found due to water & soil collapsing.  
 TH#8A found old wood RR ties laid straight in direction of duct. Could not expose utility, however, SBC confirmed that the duct is directly below RR ties. The existing cut is to top of RR ties.  
 TH#39 TBE could not physically see gas main. Dug to 16' got electronic depth of 19.5'.

ALL INFORMATION SHOWN WAS OBTAINED FROM A LOCATION SURVEY.

**Illinois Department of Transportation**

I-90 /94 (NB & SB of Dan Ryan Expressway)  
 Chicago-Cook County  
 Sec No: (2122-921 PT1) R, (2021-922 PT1,2)  
 Contract No. 62586, 62589, 62693, 62694, 62695  
 TBE Project No.: IL09500164, 167, 168, 170, 171, 179, 180, 182, 204, 205, 206, 211, 212, 219, 221, 225, 226, 227, 228, 230, 232

**REVISIONS**

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
6-15-06	KLC	REMOVE QL "A" FROM TH#48A												



**VERIFIED  
UTILITY  
LOCATIONS**

*J. A. Jones E-9802*

VERIFIED UTILITY INFORMATION

TEST HOLE #	SIZE & TYPE	NORTHING	EASTING	TOP OF UTILITY	EXISTING CUT	REFERENCE GROUND ELEVATION	COMMENTS
53	*18" BT	1865113.010	1175555.020	4.67'	14.33'	19.00'	SUE QUALITY LEVEL "A"
54	See Note E	1865117.050	1175555.790	—	18.59'	18.99'	CLEARANCE DEPTH ONLY
55	*18" BT	1865108.400	1175989.320	9.85'	9.02'	18.87'	SUE QUALITY LEVEL "A"
55A	24" SAN	1865109.300	1175987.610	11.77'	7.10'	18.87'	SUE QUALITY LEVEL "A"
56	*36" E	1865136.380	1175984.770	3.20'	15.68'	18.88'	SUE QUALITY LEVEL "A"
56A	24" SAN	1865138.320	1175986.600	11.93'	6.92'	18.85'	SUE QUALITY LEVEL "A"
57	*18" BT	1865091.120	1175928.050	-5.77'	7.13'	1.36'	SUE QUALITY LEVEL "A"
58	*36" E	1865105.640	1175928.120	-4.59'	6.03'	1.44'	SUE QUALITY LEVEL "A"
59	*36" E	1865104.390	1175856.480	-4.90'	7.41'	2.51'	SUE QUALITY LEVEL "A"
60	*18" BT	1865090.480	1175856.950	-5.29'	7.65'	2.36'	SUE QUALITY LEVEL "A"

MAN HOLE #	TYPE	NORTHING	EASTING	TOP OF UTILITY	EXISTING CUT	REFERENCE MH RIM ELEVATION	COMMENTS
61	Telephone	1863240.510	1175610.790	*1.41'	19.13'	20.54'	SUE QUALITY LEVEL "A"

TEST HOLE #	SIZE & TYPE	NORTHING	EASTING	TOP OF UTILITY	EXISTING CUT	REFERENCE GROUND ELEVATION	COMMENTS
62	*48" E	1876425.900	1176044.730	-6.88'	3.44'	-3.44'	SUE QUALITY LEVEL "A"
63	*48" E	1876427.860	1176056.140	-4.87'	4.14'	-0.73'	SUE QUALITY LEVEL "A"
64	*48" E	1876443.770	1176104.400	4.13'	8.39'	12.52'	SUE QUALITY LEVEL "A"
65	*48" E	1863237.110	1175774.930	-1.66'	4.62'	2.96'	SUE QUALITY LEVEL "A"
66	*48" E	1841495.350	1177598.790	8.42'	7.24'	15.66'	SUE QUALITY LEVEL "A"
67	*48" E	1852792.550	1177384.230	-10.35'	4.37'	-5.98'	SUE QUALITY LEVEL "A"
68	*48" E	1852792.730	1177375.900	-8.91'	4.03'	-4.88'	SUE QUALITY LEVEL "A"
69	*48" E	1841506.530	1177600.310	7.60'	8.15'	15.75'	SUE QUALITY LEVEL "A"
70	*48" E	1852792.330	1177435.710	-12.58'	5.65'	-6.93'	SUE QUALITY LEVEL "A"
71	*28" E	1841906.380	1177641.010	12.54'	3.46'	16.00'	SUE QUALITY LEVEL "A"
72	*48" E	1852791.510	1177336.410	1.83'	7.76'	9.59'	SUE QUALITY LEVEL "A"
73	*48" E	1876423.560	1175920.080	-12.48'	8.82'	-3.66'	SUE QUALITY LEVEL "A"
74	*48" E	1863227.820	1175613.390	8.97'	11.23'	20.20'	SUE QUALITY LEVEL "A"
75	*48" E	1841508.250	1177677.360	-7.19'	4.61'	-2.58'	SUE QUALITY LEVEL "A"
76	*48" E	1841493.000	1177684.360	-7.65'	4.53'	-3.12'	SUE QUALITY LEVEL "A"
77	*48" E	1841492.150	1177692.100	-7.95'	7.02'	-0.93'	SUE QUALITY LEVEL "A"

TBE Project Information

\* Size given is duct width only.  
 TH#54 TBE could not reach utility due to depth, Clearance given.  
 MH#61 Man Hole elevation to top of phone cables exiting man hole.  
 TH#80 Could not expose utilities due to extremely hard clay. Clearance depth of 7.88' given.  
 TH#81 Appears to be a 34" poured in place concrete cap over CTA conduit.  
 TH#87 found a 16" pipe but was unable to see it due to water table. Probed another 3' down past pipe, unable to find 36" w/m electronic Depth 24'  
 TH#89 Utility not exposed due to excessive water in hole.  
 TH#90 Utility not exposed, clearance depth of 13.65'.  
 TH#96 Utility not exposed, clearance depth of 10.80'.  
 TH#97 Reference point destroyed by construction crews before survey could be completed. Material was unidentifiable.  
 TH#104 Concrete cap poured over utility.  
 TH#107 Utility not exposed, clearance depth of 16.79'.

ALL INFORMATION SHOWN WAS OBTAINED FROM A LOCATION SURVEY.

VERIFIED UTILITY INFORMATION

TEST HOLE #	SIZE & TYPE	NORTHING	EASTING	TOP OF UTILITY	EXISTING CUT	REFERENCE GROUND ELEVATION	COMMENTS
78	*48" E	1841506.430	1177692.980	-8.94'	7.98'	-0.96'	SUE QUALITY LEVEL "A"
79	*48" E	1841510.920	1177755.020	-9.22'	10.16'	0.94'	SUE QUALITY LEVEL "A"
80	SEE NOTE E	1841493.150	1177753.350	—	7.88'	1.00'	CLEARANCE DEPTH ONLY
81	SEE NOTE E	1852793.296	1177394.984	-11.95'	4.69'	-7.26'	SUE QUALITY LEVEL "A"
82	*48" E	1863234.932	1175653.520	-0.86'	7.66'	6.80'	SUE QUALITY LEVEL "A"
83	*48" E	1863235.070	1175661.514	-1.64'	5.94'	4.31'	SUE QUALITY LEVEL "A"
84	36" W	1839944.740	1178217.900	-5.13'	2.96'	-2.17'	SUE QUALITY LEVEL "A"
85	36" W	1839889.120	1178193.100	-13.96'	8.61'	-5.35'	SUE QUALITY LEVEL "A"
86	36" W	1839415.910	1178025.040	-1.59'	3.05'	1.46'	SUE QUALITY LEVEL "A"
87	16" UNK	1839528.800	1178066.220	-3.15'	10.03'	6.88'	
88	24" TEL	1839826.880	1178316.500	-6.59'	7.19'	0.60'	SUE QUALITY LEVEL "A"
89	SEE NOTE TEL	1839836.600	1178319.800	-5.49'	5.98'	0.49'	
90	SEE NOTE TEL	1839793.600	1178305.180	—	13.65'	0.40'	CLEARANCE DEPTH ONLY
91	24" TEL	1844059.140	1177578.380	13.58'	2.89'	16.47'	SUE QUALITY LEVEL "A"
92	36" W	1839745.710	1178145.690	-18.57'	9.32'	-9.25'	SUE QUALITY LEVEL "A"
93	24" BT	1844060.690	1177635.830	-6.44'	7.25'	0.61'	SUE QUALITY LEVEL "A"
94	24" BT	1844060.680	1177625.600	-3.42'	6.54'	3.12'	SUE QUALITY LEVEL "A"
95	16" W	1839246.750	1178863.580	-6.12'	3.82'	-2.30'	SUE QUALITY LEVEL "A"
96	SEE NOTE W	1838928.400	1178898.950	—	10.80'	-1.39'	CLEARANCE DEPTH ONLY
97	18" BT				6.12'		NOT SURVEYED
98	20" BT	1841825.960	1177936.970	6.82'	8.10'	14.92'	SUE QUALITY LEVEL "A"
99	36" W	1874261.670	1175871.220	-1.10'	3.83'	2.73'	SUE QUALITY LEVEL "A"
100	36" W	1874261.650	1175880.560	1.35'	3.90'	5.25'	SUE QUALITY LEVEL "A"
101	36" W	1874245.970	1175540.410	-2.86'	4.69'	1.83'	SUE QUALITY LEVEL "A"
102	36" W	1874245.820	1175531.730	-0.50'	4.56'	4.06'	SUE QUALITY LEVEL "A"
103	36" W	1874244.500	1175483.430	11.43'	4.34'	15.77'	SUE QUALITY LEVEL "A"
104	SEE NOTE W	1874262.410	1175925.500	13.62'	3.18'	16.80'	SUE QUALITY LEVEL "A"
105	36" W	1874245.260	1175675.910	-2.22'	2.72'	0.50'	SUE QUALITY LEVEL "A"
106	18" BT	1847350.430	1177491.230	-0.33'	8.75'	8.42'	SUE QUALITY LEVEL "A"
107	SEE NOTE BT	1847365.000	1177775.620	—	16.79'	7.85'	CLEARANCE DEPTH ONLY
108	24" BT	1844064.680	1177880.760	6.97'	9.52'	16.49'	SUE QUALITY LEVEL "A"
109	36" W	1874248.230	1175729.730	-1.93'	3.19'	1.26'	SUE QUALITY LEVEL "A"

Illinois Department of Transportation

I-90 /94 (NB & SB of Dan Ryan Expressway)  
 Chicago-Cook County  
 Sec No: (2122-921 PT1) R, (2021-922 PT1,2)  
 Contract No. 62586, 62589, 62693, 62694, 62695  
 TBE Project No.: IL09500164, 167, 168, 170, 171, 179, 180, 182, 204, 205, 206, 211, 212, 219, 221, 225, 226, 227, 228, 230, 232



TBE GROUP, INC.  
 SOUTHERN REGION: FL, GA, SC, NC  
 NORTHERN REGION: IL, IN, MI, OH, MD, PA, NY  
 PA, VA, CANADA  
 WESTERN REGION: AZ, NV, NM, TX, CA, OR, UT, WA

VERIFIED UTILITY LOCATIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
6-15-06	KLC	REMOVE QL "A" FROM TH#87 & 89												

*J. Adams E-9802*

VERIFIED UTILITY INFORMATION

TEST HOLE #	SIZE & TYPE	NORTHING	EASTING	TOP OF UTILITY	EXISTING CUT	REFERENCE GROUND ELEVATION	COMMENTS
110	24" BT	1841825.430	1177895.600	-4.15'	4.72'	0.57'	SUE QUALITY LEVEL "A"
111	24" BT	1841825.960	1177908.730	1.05'	4.44'	5.49'	SUE QUALITY LEVEL "A"
112	SEE NOTE BT	1844068.060	1177841.750	---	6.79'	2.89'	CLEARANCE DEPTH ONLY
113	SEE NOTE BT	1844066.820	1177850.390	---	8.03'	5.95'	CLEARANCE DEPTH ONLY
114	24" BT	1847363.280	1177733.270	-13.55'	5.33'	-8.22'	SUE QUALITY LEVEL "A"
115	24" BT	1847363.890	1177740.570	-12.87'	7.00'	-5.87'	SUE QUALITY LEVEL "A"
116	24" BT	1847364.010	1177750.010	-13.15'	10.51'	-2.64'	SUE QUALITY LEVEL "A"
117	24" BT	1847354.070	1177540.800	-12.62'	4.98'	-7.64'	SUE QUALITY LEVEL "A"
118	24" BT	1847354.020	1177532.210	-11.52'	4.52'	-7.00'	SUE QUALITY LEVEL "A"
119	24" BT	1841818.360	1177704.030	-6.42'	4.55'	-1.87'	SUE QUALITY LEVEL "A"
120	24" BT	1841818.190	1177694.600	-5.43'	5.12'	-0.31'	SUE QUALITY LEVEL "A"
121	24" E	1844061.030	1177617.950	-1.50'	6.67'	5.17'	SUE QUALITY LEVEL "A"
122	(3) 1" E	1840742.250	1177446.860	10.93'	4.47'	15.40'	SUE QUALITY LEVEL "A"
123	(2) 2.5" E	1840753.910	1177452.070	12.73'	2.88'	15.61'	SUE QUALITY LEVEL "A"
124	2" BT	1840831.420	1177479.340	13.17'	2.57'	15.74'	SUE QUALITY LEVEL "A"
125	2" E	1840820.710	1177506.720	5.90'	3.01'	8.91'	SUE QUALITY LEVEL "A"
126	2" E	1840804.920	1177597.800	0.06'	3.54'	3.60'	SUE QUALITY LEVEL "A"
127	(3) 1" E	1840788.150	1177588.790	0.28'	3.56'	3.84'	SUE QUALITY LEVEL "A"
128	2" E	1840818.210	1177530.500	0.02'	1.85'	1.87'	SUE QUALITY LEVEL "A"
129	2" E	1840816.460	1177545.960	0.42'	1.74'	2.16'	SUE QUALITY LEVEL "A"
130	SEE NOTE BT	1839700.920	1178266.540	---	10.98'	-7.69'	CLEARANCE DEPTH ONLY
131	SEE NOTE BT	1839752.990	1178287.460	---	11.56'	-8.92'	CLEARANCE DEPTH ONLY
132	18" G	1852714.050	1177842.550	0.87'	7.94'	8.81'	SUE QUALITY LEVEL "A"
133	18" G	1852719.380	1177840.460	1.09'	8.36'	9.45'	SUE QUALITY LEVEL "A"
134	8" G	1847348.900	1177540.960	-13.64'	6.05'	-7.59'	SUE QUALITY LEVEL "A"
135	8" G	1847348.540	1177532.100	-11.04'	4.42'	-6.62'	SUE QUALITY LEVEL "A"
136	8" G	1847347.120	1177490.770	1.16'	7.28'	8.44'	SUE QUALITY LEVEL "A"
137	18" G	1852715.850	1177887.130	-13.52'	7.22'	-6.30'	SUE QUALITY LEVEL "A"
138	18" G	1852720.360	1177878.410	-11.64'	7.05'	-4.59'	SUE QUALITY LEVEL "A"
139	18" G	1852715.890	1177878.870	-10.80'	6.30'	-4.50'	SUE QUALITY LEVEL "A"
140	18" G	1852720.130	1177987.470	-13.53'	7.46'	-6.07'	SUE QUALITY LEVEL "A"

VERIFIED UTILITY INFORMATION

TEST HOLE #	SIZE & TYPE	NORTHING	EASTING	TOP OF UTILITY	EXISTING CUT	REFERENCE GROUND ELEVATION	COMMENTS
141	8" G	1847360.470	1177779.600	3.77'	4.76'	8.53'	SUE QUALITY LEVEL "A"
142	18" G	1852731.450	1177624.740	-0.09'	9.49'	9.40'	SUE QUALITY LEVEL "A"
143	18" G	1852724.450	1177627.310	-1.19'	10.92'	9.73'	SUE QUALITY LEVEL "A"
144	34" BT	1853977.420	1177596.570	1.18'	8.13'	9.31'	SUE QUALITY LEVEL "A"
145	18" G	1852725.400	1177579.740	-14.03'	6.32'	-7.71'	SUE QUALITY LEVEL "A"
146	18" G	1852729.670	1177579.630	-14.36'	6.93'	-7.43'	SUE QUALITY LEVEL "A"
147	18" G	1852729.620	1177588.130	-12.06'	7.15'	-4.91'	SUE QUALITY LEVEL "A"
148	18" G	1852725.710	1177589.950	-11.85'	7.38'	-4.47'	SUE QUALITY LEVEL "A"
149	8" G	1847359.120	1177733.960	-13.27'	4.96'	-8.31'	SUE QUALITY LEVEL "A"
150	8" G	1847359.090	1177742.040	-10.62'	5.02'	-5.60'	SUE QUALITY LEVEL "A"
151	34" BT	1853976.090	1177565.940	-2.85'	4.64'	1.79'	SUE QUALITY LEVEL "A"
152	34" BT	1853965.300	1177212.750	1.75'	6.56'	8.31'	SUE QUALITY LEVEL "A"
153	34" BT	1853967.560	1177268.590	-5.31'	4.54'	-0.77'	SUE QUALITY LEVEL "A"
154	34" BT	1853974.820	1177507.770	-7.53'	5.75'	-1.78'	SUE QUALITY LEVEL "A"
155	34" BT	1853976.540	1177529.050	-4.24'	5.72'	1.48'	SUE QUALITY LEVEL "A"
156	34" BT	1853967.230	1177304.800	-5.16'	4.11'	-1.05'	SUE QUALITY LEVEL "A"
157	30" G	1839844.630	1178297.170	-11.94'	11.58'	-0.36'	SUE QUALITY LEVEL "A"
158	30" G	1839771.030	1178274.550	-15.29'	6.58'	-8.71'	SUE QUALITY LEVEL "A"
159	30" G	1839779.300	1178277.090	-15.12'	6.55'	-8.57'	SUE QUALITY LEVEL "A"
160	NA G	1839815.630	1178285.320	---	7.00'	-7.56'	CLEARANCE ONLY
161	30" G	1839683.380	1178240.910	-8.79'	10.86'	-19.65'	SUE QUALITY LEVEL "A"
162	NA G	1839720.200	1178252.850	---	7.00'	-14.44'	CLEARANCE ONLY
163	30" G	1839633.400	1178223.490	-10.63'	6.14'	-16.77'	SUE QUALITY LEVEL "A"
164	30" G	1839624.490	1178220.270	-10.23'	6.61'	-16.84'	SUE QUALITY LEVEL "A"

TBE Project Information

TH#112 Utility not exposed, clearance depth of 6.79'.  
 TH#113 Utility not exposed, clearance depth of 8.03'.  
 TH#130 Utility not exposed, clearance depth of 10.98'.  
 TH#131 Utility not exposed, clearance depth of 11.56'.  
 TH#136 Unable to expose utility due to hard clay, probed and felt top and side of utility.  
 TH#145 & 146 Unable to expose utility due to water table at 3' +/-, but were able to feel the sides and top.  
 TH#160 & 162 Unable to expose utility due to hard clay, clearance of 7' given.  
 TH#161 Unable to expose utility due to water, but did feel the pipe.  
 TH#163 & 164 Unable to expose utility due to water, but did feel top and sides of 30" pipe.

ALL INFORMATION SHOWN WAS OBTAINED FROM A LOCATION SURVEY.

Illinois Department of Transportation

I-90 /94 (NB & SB of Dan Ryan Expressway)  
 Chicago-Cook County  
 Sec No: (2122-921 PT1) R, (2021-922 PT1,2)  
 Contract No. 62586, 62589, 62693, 62694, 62695  
 TBE Project No.: IL09500164, 167, 168, 170, 171, 179, 180, 182, 204, 205, 206, 211, 212, 219, 221, 225, 226, 227, 228, 230, 232

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
6-15-05	KLC	REMOVE QL "A" FROM TH#116, 146, 161, 163 & 164 REMOVED TOP OF UTILITY FROM TH#160 & 162												



VERIFIED UTILITY LOCATIONS

*J. Adams E-9802*

VERIFIED UTILITY INFORMATION

TEST HOLE #	SIZE & TYPE	NORTHING	EASTING	OFFSET	TOP OF UTILITY	EXISTING CUT	REFERENCE GROUND ELEVATION	COMMENTS
165	24" G	1858583.099	1177452.100	148.05 RT	-2.91'	6.08'	3.18'	SUE QUALITY LEVEL "A"
166	24" G	1858582.607	1177422.881	118.82 RT	-7.96'	11.04'	3.08'	SUE QUALITY LEVEL "A"
167	24" G	1858581.829	1177388.290	84.23 RT	-11.42'	5.84'	-5.78'	SUE QUALITY LEVEL "A"
168	— G	1858576.435	1177169.958	73.59 LT	-14.41'	7.92'	-6.49'	SEE NOTE
169A	— G	1858575.515	1177148.755	94.81 LT	-8.73'	5.63'	-3.10'	SEE NOTE
169B	8" —	1858574.341	1177148.755	94.81 LT	-7.34'	4.24'	-3.10'	SUE QUALITY LEVEL "A"
170	24" G	1858574.341	1177125.527	118.07 LT	1.84'	4.35'	6.19'	SUE QUALITY LEVEL "A"
171	24" G	1858573.831	1177107.217	136.38 LT	5.50'	5.82'	11.32'	SUE QUALITY LEVEL "A"
172	36" E	1859349.450	1177086.590	133.62 LT	-2.77'	10.34'	7.57'	SUE QUALITY LEVEL "A"
173	36" E	1859349.210	1177115.830	104.39 LT	-5.89'	4.92'	-0.97'	SUE QUALITY LEVEL "A"
174	— BT	1859189.980	1177120.790	104.24 LT	-13.77'	12.58'	-1.19'	SUE QUALITY LEVEL "A"
175	— BT	1859187.890	1177093.060	132.02 LT	SEE NOTE	9.12'	4.53'	CLEARANCE ONLY
176	36" E	1859357.690	1177382.160	100.06 RT	-11.29'	4.45'	-6.84'	SUE QUALITY LEVEL "A"
177	— E	1859358.400	1177405.990	123.90 RT	-10.32'	10.06'	-0.26'	SUE QUALITY LEVEL "A"
178	— T	1859198.040	1177390.570	103.95 RT	-21.35'	12.85'	-8.50'	SUE QUALITY LEVEL "A"
179	— E	1859345.500	1177059.620	180.69 LT	SEE NOTE	15.15'	16.93'	CLEARANCE ONLY
180	36" G	1851291.10	1177413.23	80.62 LT	-9.95'	6.63'	-3.32'	SUE QUALITY LEVEL "A"
181	36" G	1851290.85	1177418.67	75.19 LT	-9.70'	6.38'	-3.32'	SUE QUALITY LEVEL "A"
182	36" G	1851297.11	1177630.28	136.52 RT	-8.88'	5.89'	-2.94'	SUE QUALITY LEVEL "A"
MAN HOLE #								
183	24" G	1851285.94	1177708.75	45.04 RT	4.76'	4.16'	8.92'	Elev. taken from RIM of MH.
184	12" G	1851278.82	1177708.69	44.77 RT	4.39'	4.52'	8.91'	Elev. taken from RIM of MH.
TEST HOLE #	SIZE & TYPE	NORTHING	EASTING	OFFSET	TOP OF UTILITY	EXISTING CUT	REFERENCE GROUND ELEVATION	COMMENTS
185	72" BT	1877424.23	1176032.38	61.60 LT	-3.79'	2.70'	-1.09'	SUE QUALITY LEVEL "A"
186	66" BT	1877416.11	1175712.30	66.43 RT	-8.51'	5.85'	-2.66'	SEE NOTE

NOTES

TH #168 Unable to see gas due to ground water.  
 TH #169A Unable to see gas due to back fill continually caving in.  
 TH #174 We were unable to determine size due to ground water in the hole.  
 TH #175 Attempt was made to expose phone duct but were unsuccessful due to extreme heavy compacted clay, we were only able to reach 9.12'  
 TH #179 Attempt was made to find electric duct. Went down 15.15' & 2.5' radius of Reference Point.  
 TH #186 Unable to expose due to mud and ground water, felt top and sides.  
 TH #187 Unable to expose due to wet sand collapsing in hole.  
 TH #189 - Offset is taken from N. bound Dan Ryan fence line.  
 TH #190 - Unable to expose due to soil collapsing in hole  
 TH #192 - Telephone was buried/trenched underneath a slab of concrete with rough edges; width was 48"  
 TH #195 - Unable to expose due to deep roots in hole  
 TH #200 - Felt both sides of gas line but unable to cover completely for picture, doing so would leave a void in soil because of angle of ground level. Back fill kept falling from uphill.  
 TH #204 - Found the utilities for the street lights at about 2' deep. Offset pulled from CL of Dan Ryan on ramp.  
 TH #207 - Could not expose due to collapsing sand. Had a good feel with the air lance. Offset taken from CL of exit ramp  
 TH #215A - TBE could not find electric crossing, vacuumed down 13'.

VERIFIED UTILITY INFORMATION

TEST HOLE #	SIZE & TYPE	NORTHING	EASTING	OFFSET	TOP OF UTILITY	EXISTING CUT	REFERENCE GROUND ELEVATION	COMMENTS
187	— W	1880442.920	1175949.580	65.37' RT	3.59'	8.43'	12.02'	SEE NOTE
188	16" BT	1880464.590	1175947.690	64.06' RT	6.63'	5.31'	11.94'	SUE QUALITY LEVEL "A"
189	24" W	1880443.800	1175999.780	115.57' RT	7.85'	7.83'	15.68'	SUE QUALITY LEVEL "A"
190	— W	1880442.870	1175973.130	88.91' RT	3.81'	10.10'	13.91'	SEE NOTE
191	16" BT	1880465.830	1175973.580	89.98' RT	9.59'	4.42'	14.01'	SUE QUALITY LEVEL "A"
192	16" BT	1880464.890	1175999.080	115.44' RT	10.21'	5.35'	15.56'	SUE QUALITY LEVEL "A"
193	16" BT	1880456.000	1175630.210	61.54' LT	5.65'	8.94'	11.59'	SUE QUALITY LEVEL "A"
194	16" BT	1880454.690	1175603.520	88.25' LT	5.44'	8.66'	14.10'	SUE QUALITY LEVEL "A"
195	— BT	1880453.540	1175575.610	116.18' LT	4.75'	12.13'	16.88'	SEE NOTE
196	24" W	1880435.180	1175604.240	88.06' LT	6.76'	7.24'	14.00'	SUE QUALITY LEVEL "A"
197	24" W	1880435.160	1175579.320	112.97' LT	11.06'	5.48'	16.54'	SUE QUALITY LEVEL "A"
198	36" G	1883748.370	1175516.740	86.01' LT	1.10'	7.08'	8.18'	SUE QUALITY LEVEL "A"
199	36" G	1883747.800	1175488.980	113.78' LT	6.36'	8.62'	14.98'	SUE QUALITY LEVEL "A"
200	36" G	1883758.000	1175883.780	89.15' RT	-1.07'	5.96'	4.89'	SUE QUALITY LEVEL "A"
201	36" G	1883758.190	1175903.970	109.34' RT	4.06'	6.58'	10.64'	SUE QUALITY LEVEL "A"
202	36" W	1883741.550	1175904.750	109.67' RT	4.82'	5.74'	10.56'	SUE QUALITY LEVEL "A"
203	36" W	1883730.260	1175489.640	113.59' LT	8.72'	6.25'	14.97'	SUE QUALITY LEVEL "A"
204	36" W	1883731.680	1175518.680	84.53' LT	1.69'	5.90'	7.59'	SUE QUALITY LEVEL "A"
205	36" W	1883740.460	1175883.620	88.52' RT	-3.96'	8.26'	4.30'	SUE QUALITY LEVEL "A"
206	36" W	1883731.390	1175553.040	50.19' LT	-5.51'	6.13'	0.62'	SUE QUALITY LEVEL "A"
207	— BT	1884487.410	1175842.900	67.99' RT	-6.61'	2.98'	-3.63'	SEE NOTE
208	24" W	1880435.060	1175628.960	63.35' LT	3.08'	8.72'	11.80'	SUE QUALITY LEVEL "A"
209	36" G	1883749.960	1175552.500	50.22' LT	-5.24'	5.99'	0.75'	SUE QUALITY LEVEL "A"
210	36" G	1883756.720	1175845.280	50.63' RT	-6.85'	8.42'	1.566'	SUE QUALITY LEVEL "A"
211	36" W	1883739.550	1175839.290	44.18' RT	-5.25'	5.86'	0.606'	SUE QUALITY LEVEL "A"
212	18" BT	1884480.420	1175521.840	61.14' LT	-7.58'	4.95'	-2.634'	SUE QUALITY LEVEL "A"
213	18" BT	1884480.320	1175509.110	73.87' LT	-3.89'	4.91'	1.019'	SUE QUALITY LEVEL "A"
214	20" BT	1884487.060	1175860.740	85.82' RT	-0.82'	3.19'	2.370'	SUE QUALITY LEVEL "A"
215	(12" (3).25" SL	1879776.080	1175973.630	71.39' RT	2.91'	4.08'	6.995'	SUE QUALITY LEVEL "A"
215A	SEE NOTE	1879798.750	1175970.990	69.36' RT	SEE NOTE	13.00'	7.040'	SEE NOTE

ALL INFORMATION SHOWN WAS OBTAINED FROM A LOCATION SURVEY.

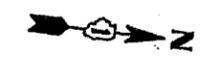
Illinois Department of Transportation  
 I-90 /94 (NB & SB of Dan Ryan Expressway)  
 Chicago-Cook County  
 Sec No: (2122-921 PT1) R, (2021-922 PT1,2)  
 Contract No. 62584, 62585, 62586, 62589, 62693, 62694, 62695  
 TBE Project No.: IL09500164, 167, 168, 170, 171, 179, 180, 182, 204, 205, 206, 211, 212, 219, 221, 225, 226, 227, 228, 230, 232, 238

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/16/05	ST	CAFAC															



VERIFIED UTILITY LOCATIONS

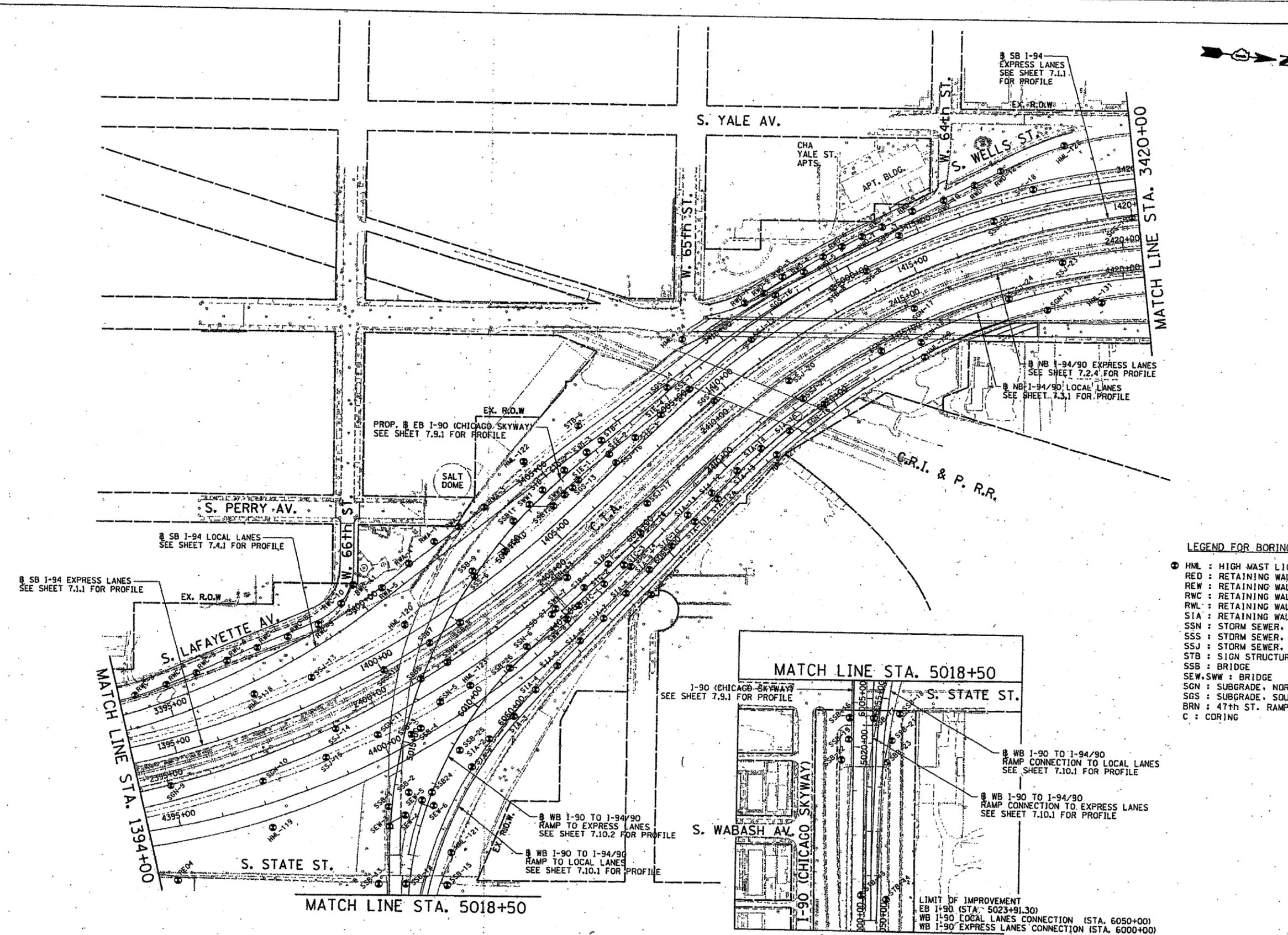
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK		299
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* - PENDING I.D.O.T. PROGRAMMING				



PLAN	DATE
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PROFILE	DATE
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 11/27/2005



- LEGEND FOR BORINGS**
- HML : HIGH MAST LIGHT POLE
  - RED : RETAINING WALL, EAST SIDE, WALL-O
  - REW : RETAINING WALL, EAST SIDE, WALL-W
  - RWC : RETAINING WALL, WEST SIDE, WALL-C
  - RWL : RETAINING WALL, WEST SIDE, WALL-L
  - SIA : RETAINING WALL, INTERCHANGE, WALL IA
  - SSN : STORM SEWER, NORTHBOUND
  - SSS : STORM SEWER, SOUTHBOUND
  - SSJ : STORM SEWER, JACKING
  - STB : SIGN STRUCTURE
  - SSB : BRIDGE
  - SEW,SWW : BRIDGE
  - SGN : SUBGRADE, NORTHBOUND
  - SGS : SUBGRADE, SOUTHBOUND
  - BRN : 47th ST. RAMP
  - C : CORING

CTE 40256

DAN RYAN AND SKYWAY INTERCHANGE PLAN

1"=100'

EXHIBIT NO. 5.11

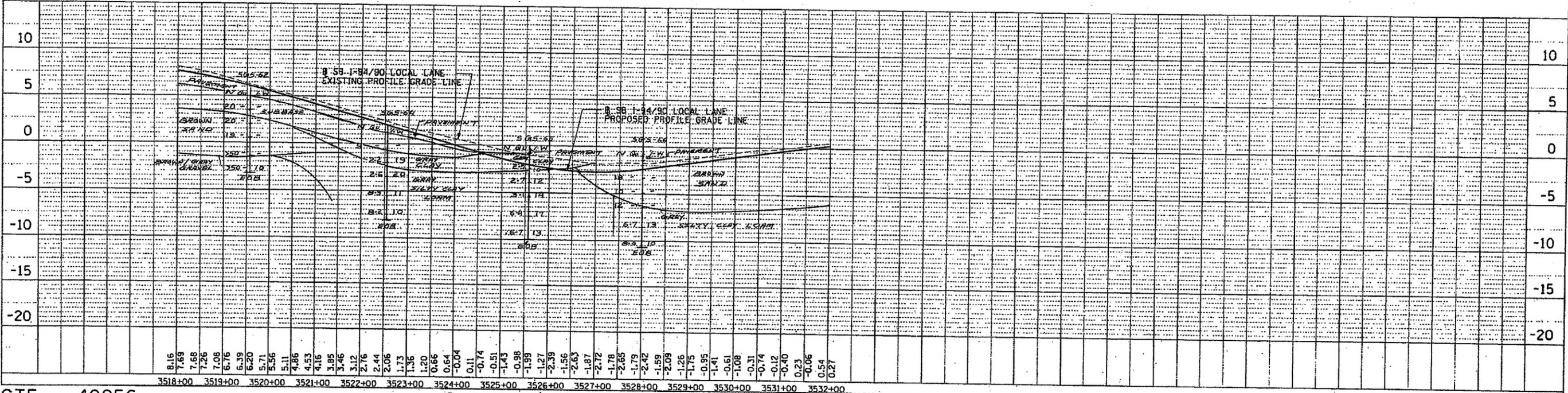
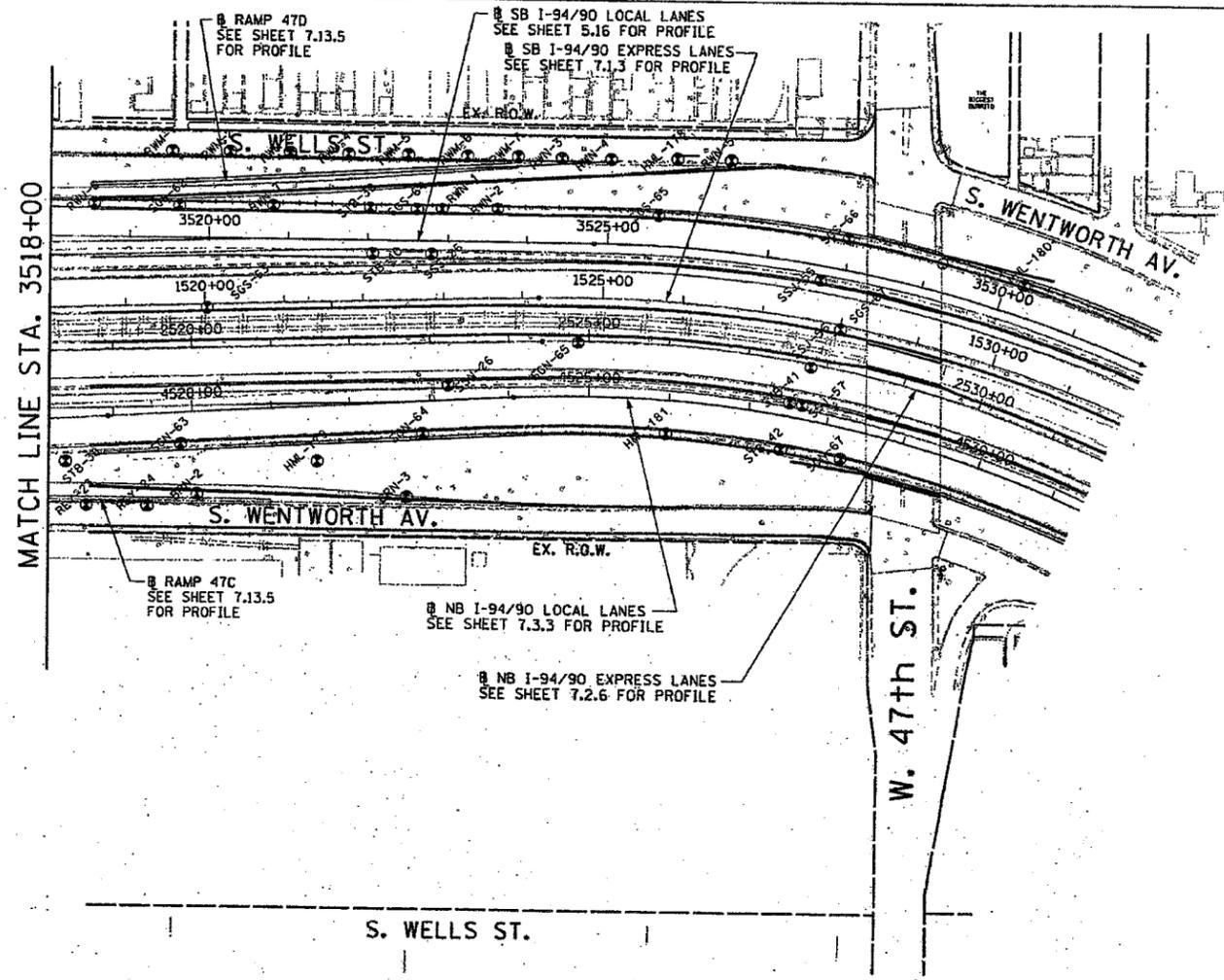








F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK		304
STA.	TO STA.			
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* - PENDING I.D.O.T. PROGRAMMING				

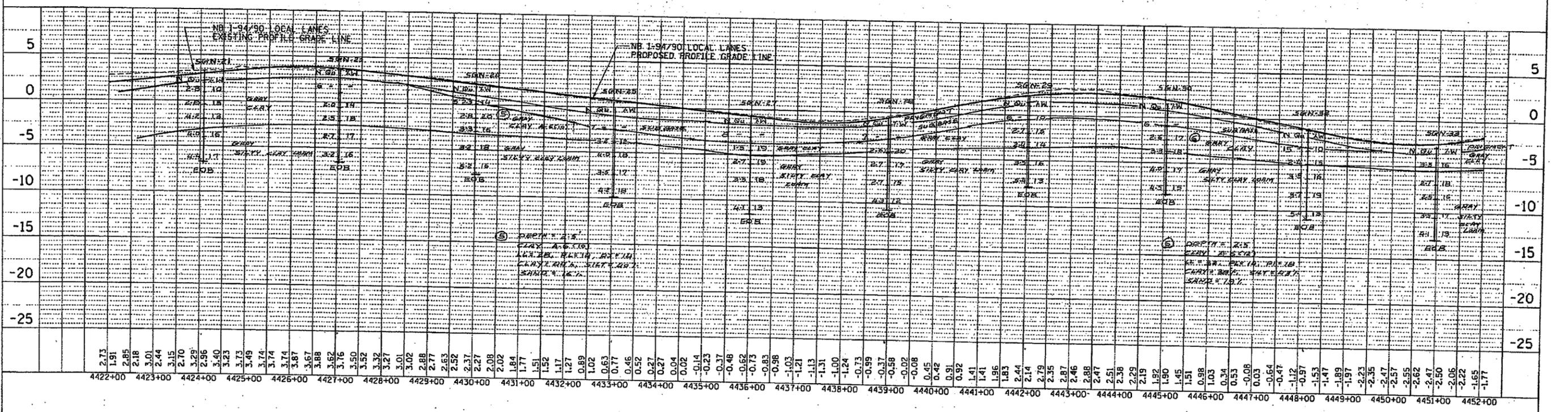
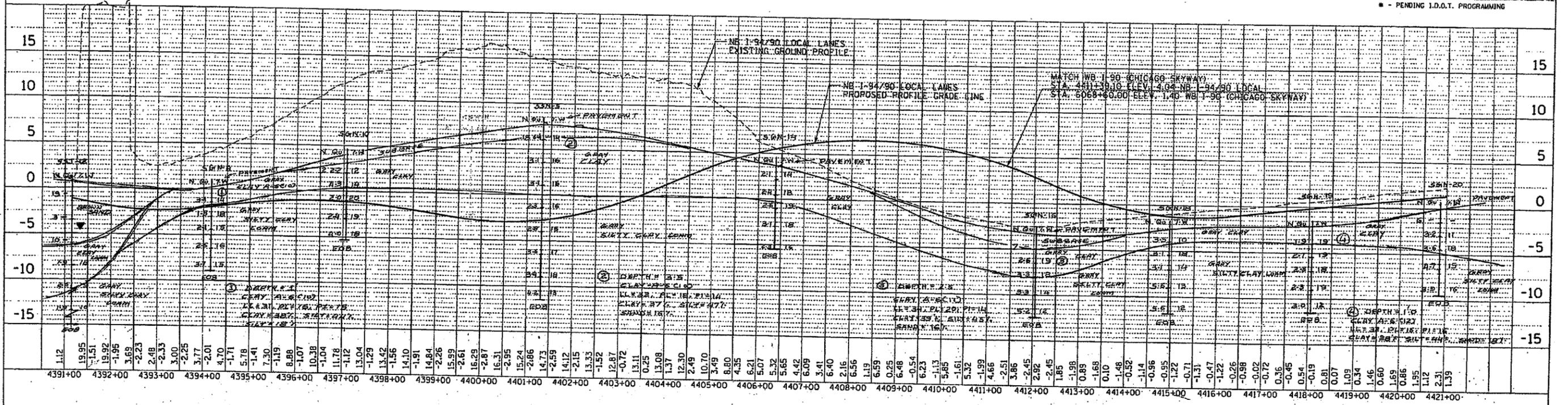


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 11/2/2003

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK		302
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* - PENDING I.D.O.T. PROGRAMMING				

PLAN	DATE	BY
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NO. OF SHEETS REVISIONS		
NO. OF SHEETS FILED		



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CTE 40256

NB I-94 AND I-94/90 LOCAL LANES PROFILE (STA. 4392+00 TO STA. 4452+00)

SCALE: HORIZ. 1"=100'  
VERT. 1"=5'

EXHIBIT NO. 7.3.1



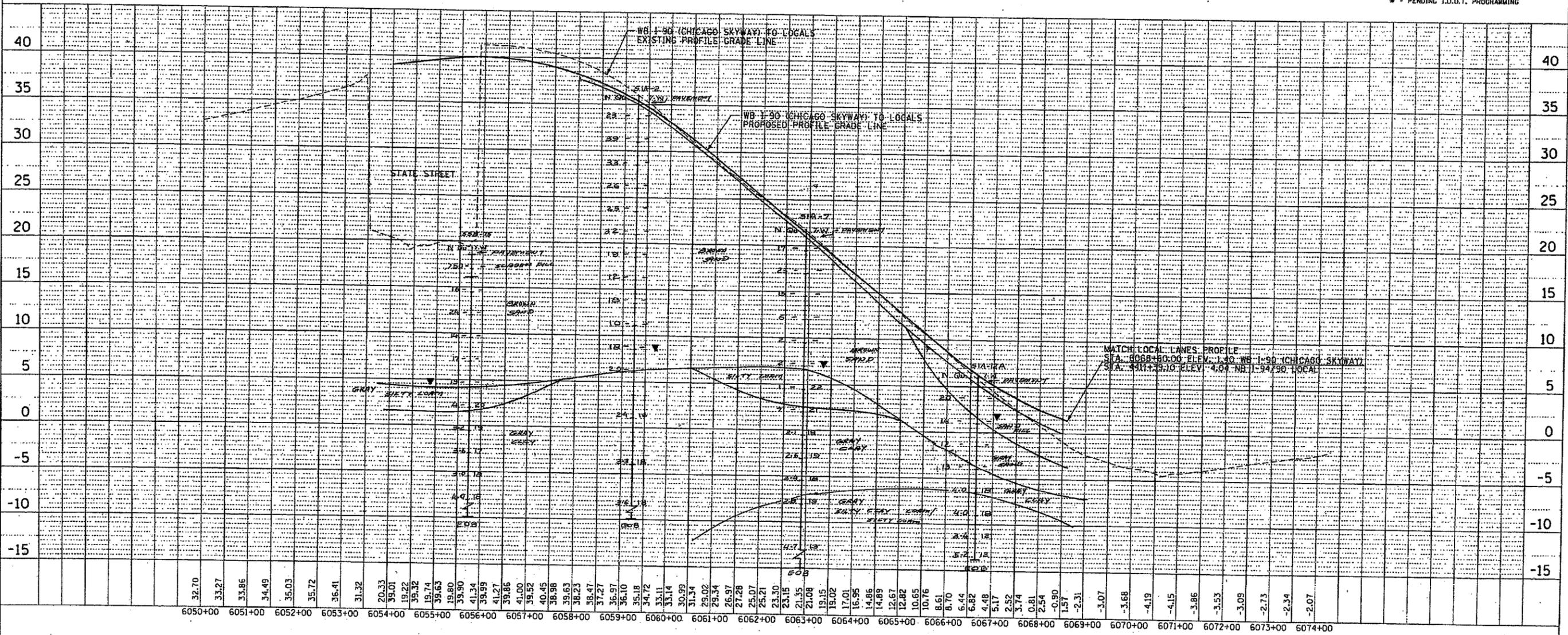




F.A.I. RIF.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK		309
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* - PENDING I.D.O.T. PROGRAMMING				

PLAN	REVISED	DATE
NOTE BOOK	NO. 1	
NO.		

PROFILE	REVISED	DATE
NOTE BOOK	NO. 1	
NO.		



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CTE 40256

WB I-90 TO I-94/90 RAMP CONNECTION TO LOCAL LANES PROFILE

SCALE: HORIZ. 1"=100'  
VERT. 1"=5'

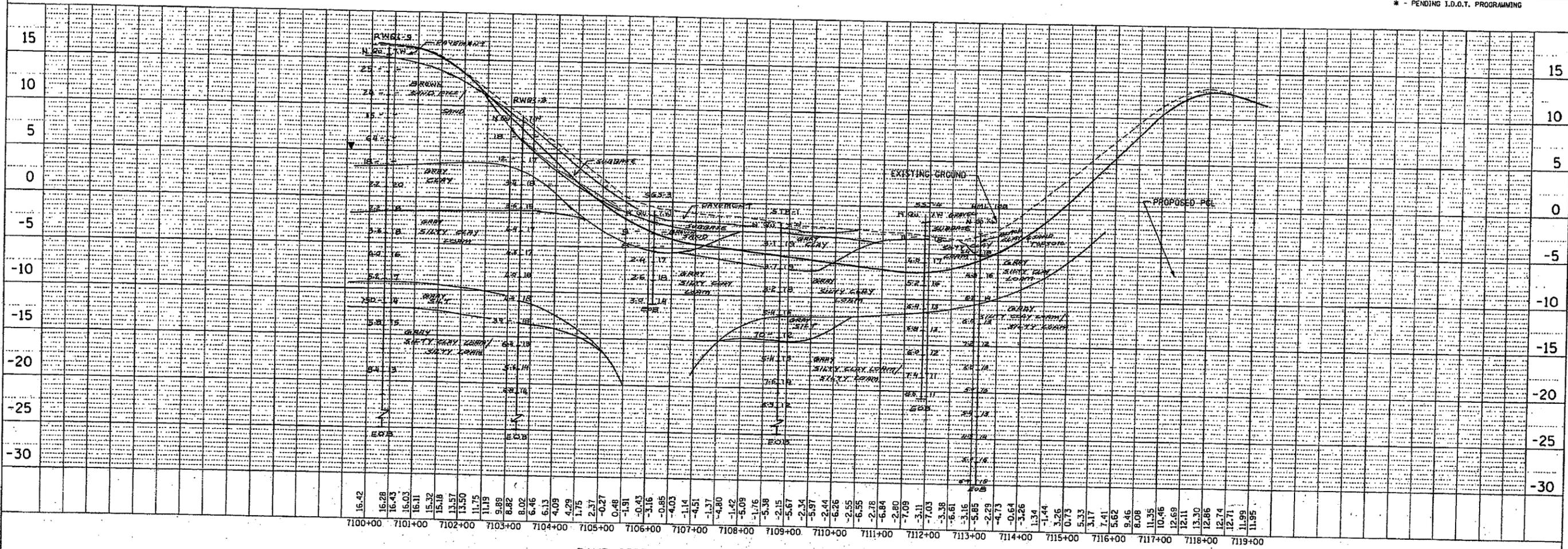
EXHIBIT NO. 7.10.1



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
94	*	COOK	131
STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
* - PENDING I.D.O.T. PROGRAMMING			

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RAMP 67D71A - SB COLLECTOR - DISTRIBUTOR ROAD BETWEEN 71ST AND 67TH STREETS

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11/12/2003

CTE 40256

SB RAMP PROFILES

SCALE: HORIZ. 1"=100'  
VERT. 1"=5'  
EXHIBIT NO. 7.14.4

