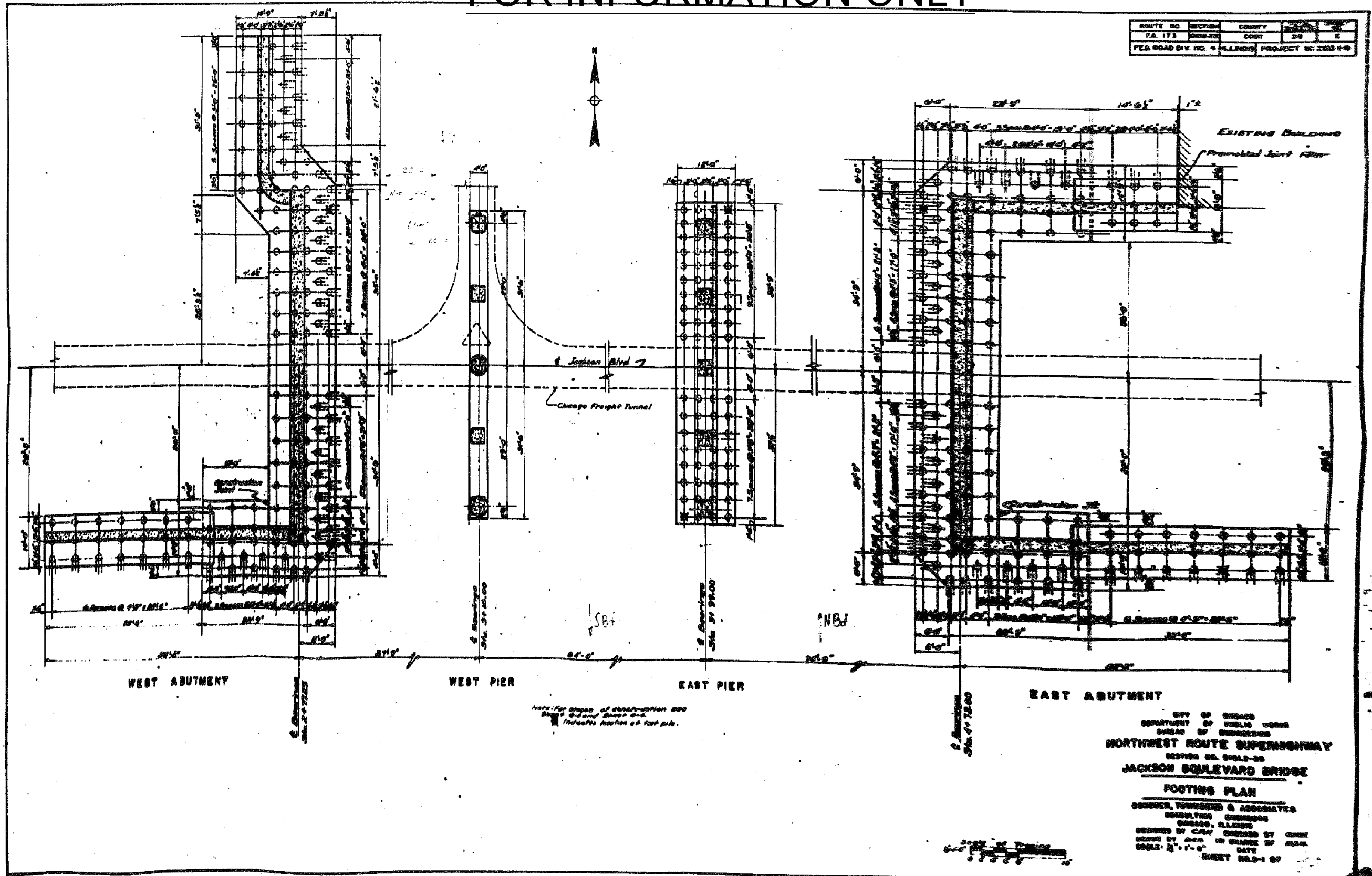


# FOR INFORMATION ONLY



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DATE - 03/21/2017

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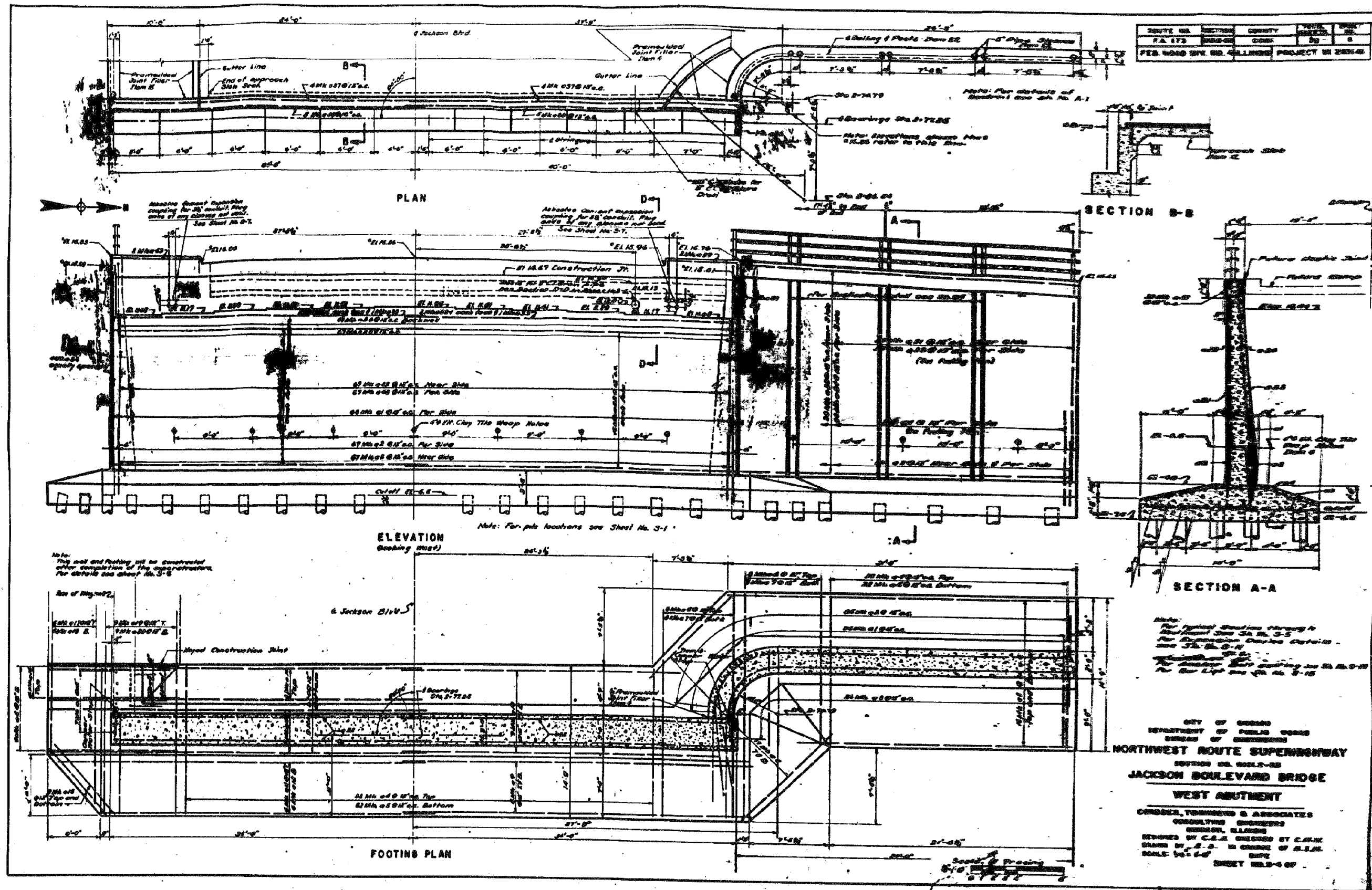
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS - JACKSON BLVD BRIDGE (SN 016-0588)

SCALE: SHEET 3 OF 17 SHEETS STA. TO STA.

F.A.I. RTE. 90/94/290	SECTION 2015-021-1	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 101
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62A75	

# FOR INFORMATION ONLY



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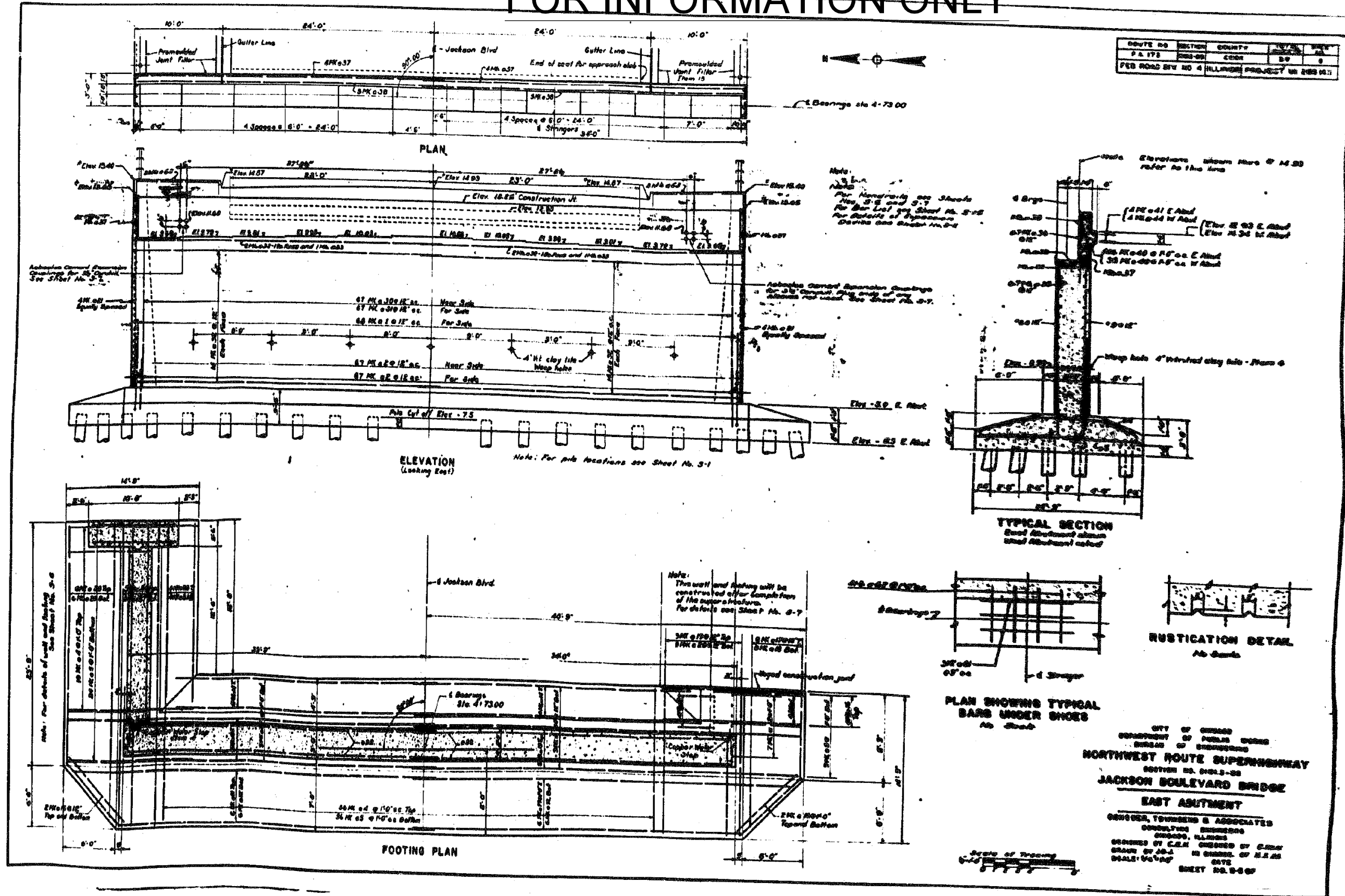
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING PLANS - JACKSON BLVD BRIDGE (SN 016-0588)

SCALE: SHEET 4 OF 17 SHEETS STA. TO STA.

F.A.I. RTE. 90/94/290	SECTION 2015-021-1	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 102
CONTRACT NO. 62A75				
ILLINOIS FED. AID PROJECT				

# FOR INFORMATION ONLY



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 PLOT DATE = 3/17/2017

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE - 03/21/2017	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

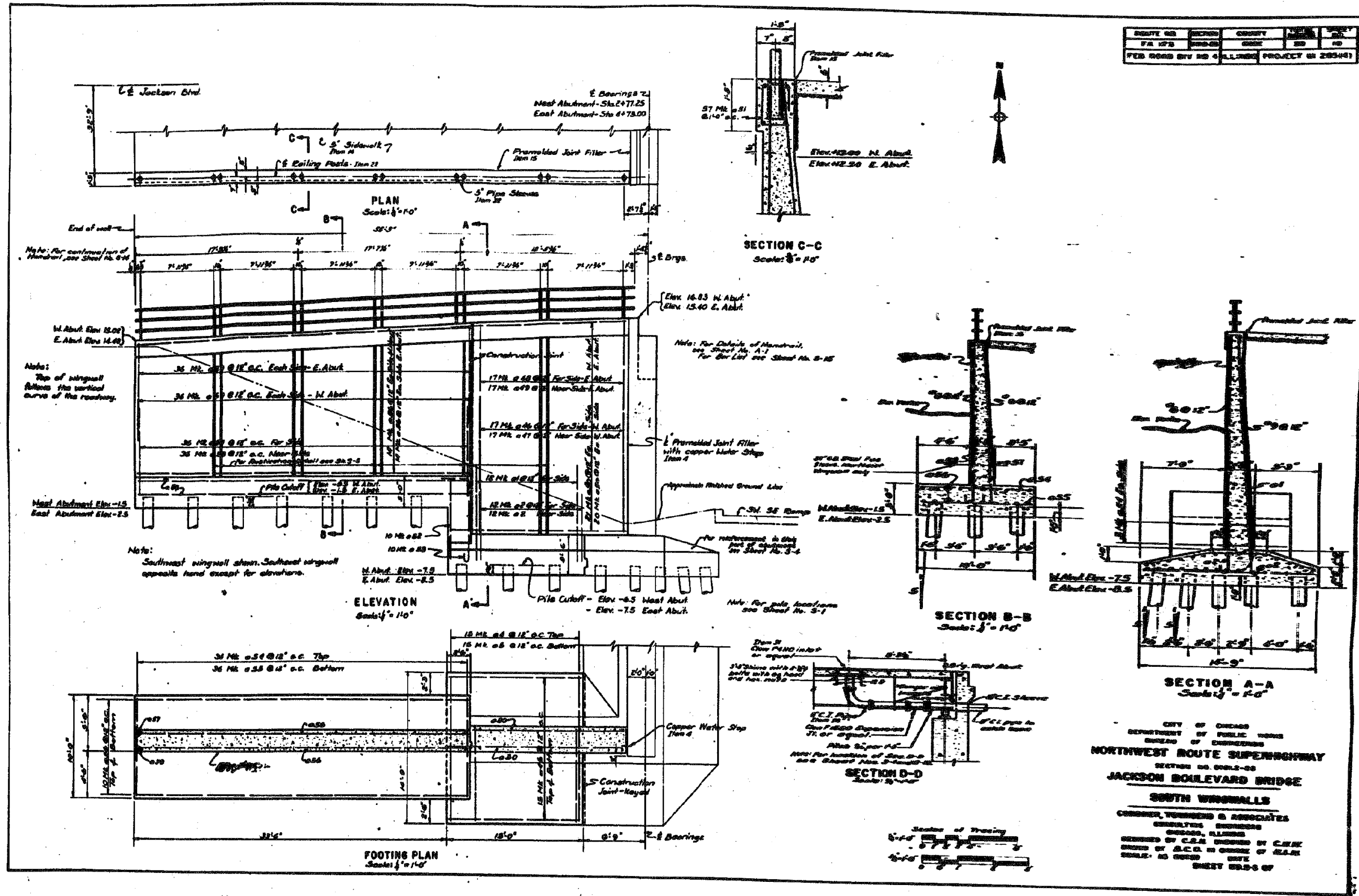
EXISTING PLANS - JACKSON BLVD BRIDGE (SN 016-0588)

SCALE: SHEET 5 OF 17 SHEETS STA. TO STA.

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-021-1	COOK	153	103
CONTRACT NO. 62A75				
ILLINOIS FED. AID PROJECT				

# FOR INFORMATION ONLY

DISTRICT	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA 173	BRIDGE	COOK	153	104
FED. ROAD BY NO. 4 ALL-STATE PROJECT (R 28544)				



CITY OF CHICAGO  
 DEPARTMENT OF PUBLIC WORKS  
 BUREAU OF ENGINEERS  
**NORTHWEST ROUTE SUPERHIGHWAY**  
 SECTION 02, SHEET 02  
**JACKSON BOULEVARD BRIDGE**  
**SOUTH WINDMILLS**  
 CONDER, YOUNG & ASSOCIATES  
 CONSULTING ENGINEERS  
 CHICAGO, ILLINOIS  
 DESIGNED BY C.E.A. UNDER THE CLOSE  
 SUPERVISION OF A.C.E. IN CHARGE OF S.A.E.  
 SCALE: AS SHOWN DATE  
**SHEET 02-5 OF 07**

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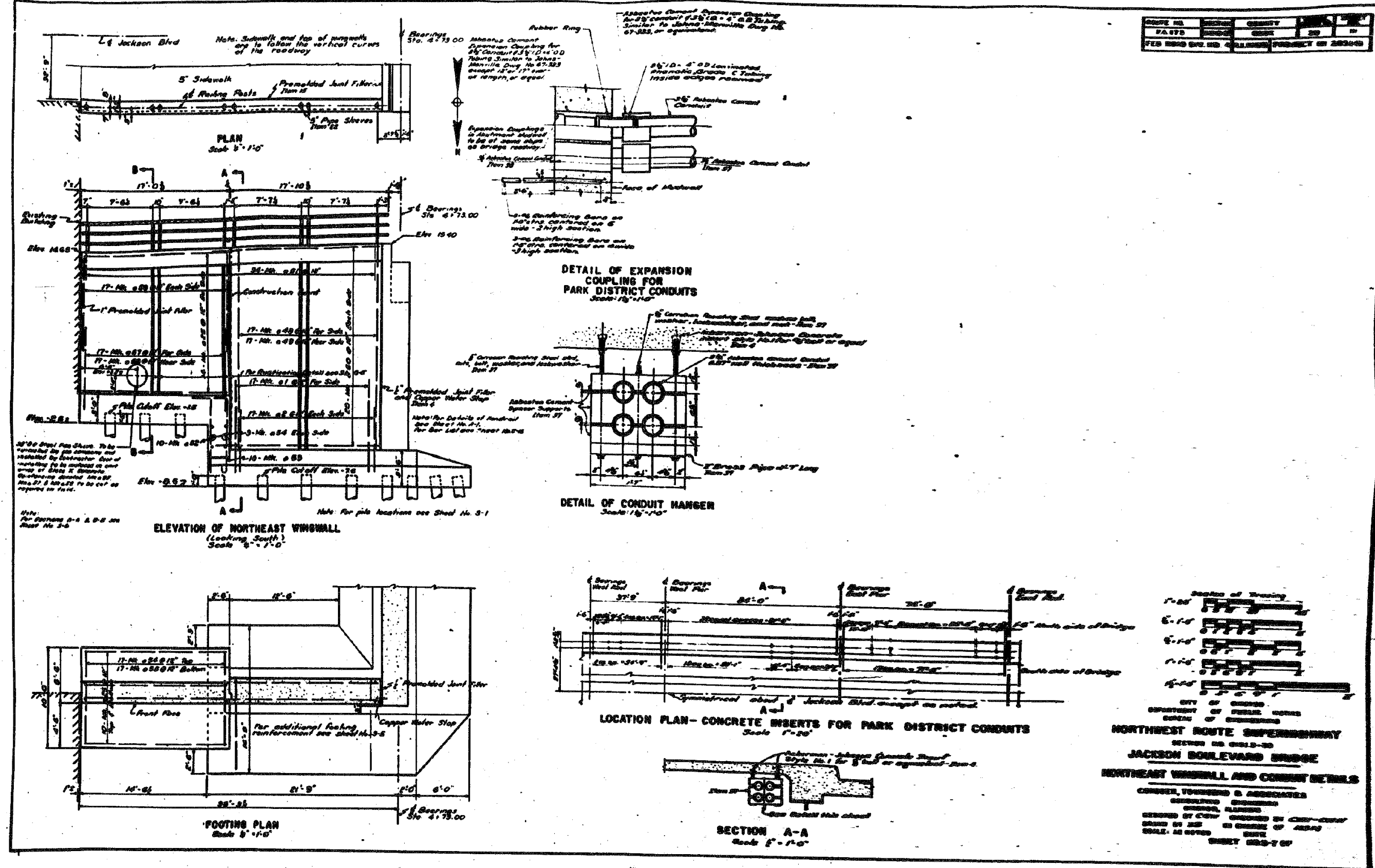
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING PLANS - JACKSON BLVD BRIDGE (SN 016-0588)  
 SCALE: SHEET 6 OF 17 SHEETS STA. TO STA.

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-021-1	COOK	153	104
CONTRACT NO. 62A75				
ILLINOIS FED. AID PROJECT				

# FOR INFORMATION ONLY

PROJECT NO.	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
PA 070	000	COOK	20	105
FED ROAD DIST. NO.	ILLINOIS PROJECT NO.			



SECTION OF BRIDGE  
 1'-00"  
 6'-10"  
 6'-10"  
 1'-10"  
 15'-00"

CITY OF CHICAGO  
 DEPARTMENT OF PUBLIC WORKS  
 BUREAU OF ENGINEERING

**NORTHWEST ROUTE SUPERHIGHWAY**  
 SECTION 02 001.0-30  
**JACKSON BOULEVARD BRIDGE**  
**NORTHEAST WINDWALL AND CONDUIT DETAILS**

CAMBER, TOWNSEND & ASSOCIATES  
 CONSULTING ENGINEERS  
 CHICAGO, ILLINOIS  
 DESIGNED BY JES IN CHARGE OF DESIGN  
 SCALE: AS NOTED DATE  
 SHEET 002-7 OF

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 DRAWN -  
 CHECKED -  
 DATE - 03/21/2017

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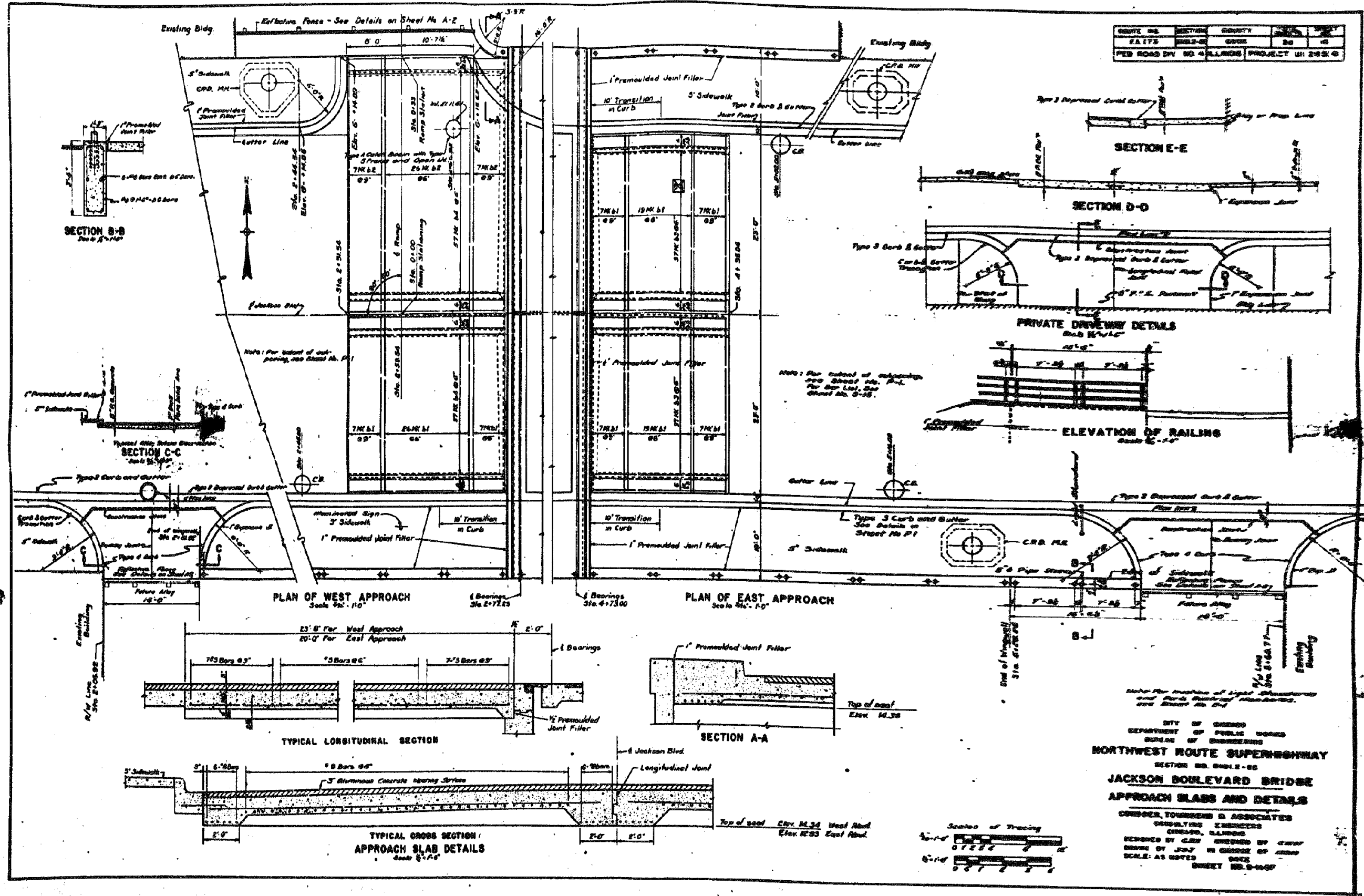
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING PLANS - JACKSON BLVD BRIDGE (SN 016-0588)

SCALE: SHEET 7 OF 17 SHEETS STA. TO STA.

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-021-1	COOK	153	105
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62A75	

# FOR INFORMATION ONLY



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
E.A. 175	0152-01	COOK	153	106
P.E.B. ROAD DIV. NO. 4		ILLINOIS	PROJECT UH 24824	

CITY OF CHICAGO  
DEPARTMENT OF PUBLIC WORKS  
BUREAU OF ENGINEERING

**NORTHWEST ROUTE SUPERHIGHWAY**  
SECTION NO. 0152-01

**JACKSON BOULEVARD BRIDGE**  
APPROACH SLAB AND DETAILS

CONDER, TOWNSEND & ASSOCIATES  
CONSULTING ENGINEERS  
CHICAGO, ILLINOIS

DESIGNED BY G.M. CHECKED BY G.M.  
DRAWN BY J.W. IN CHARGE OF SHOP  
SCALE: AS NOTED DATE

SHEET NO. 8-106

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DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE - 03/21/2017	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS - JACKSON BLVD BRIDGE (SN 016-0588)

SCALE: SHEET 8 OF 17 SHEETS STA. TO STA.

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-021-1	COOK	153	106
				CONTRACT NO. 62A75
ILLINOIS FED. AID PROJECT				

# FOR INFORMATION ONLY

90/94	0101-2-1B-R-1	COOK	226	22
STA. 1+350.230	TO STA.			
FED. ROAD DIST. NO. 7	ILLINOIS		FED. AID PROJECT	
S-1 of 49				

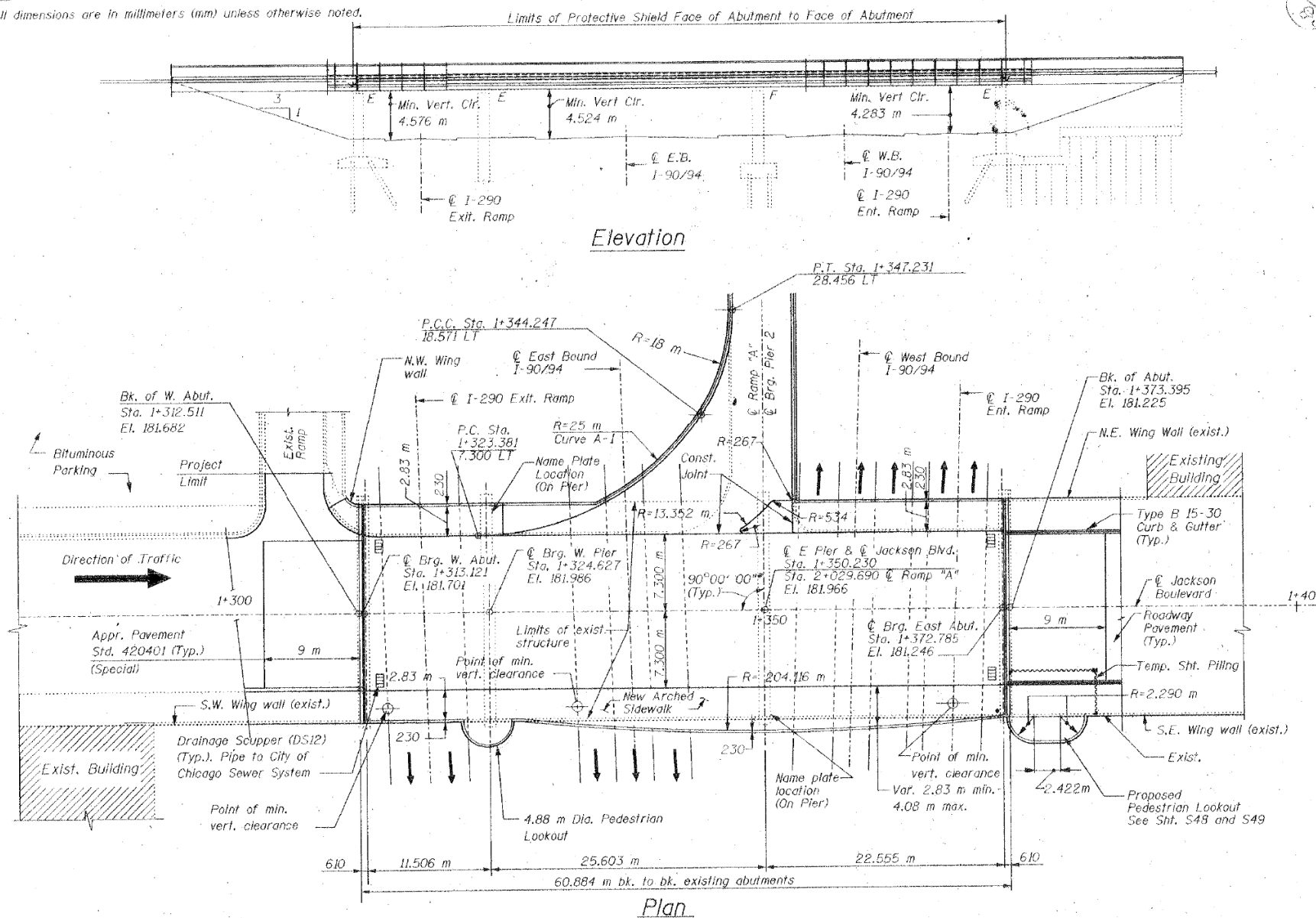
**Structure Description:** S.N. 016-0588, Built in 1958 as FA Route 173, Sec. 0101.2-2B. The Jackson Boulevard Bridge over I-90/94 is a three-span (11,506 m, 25,603 m, 22,555 m) continuous, multi-stringer steel bridge that carries four east bound traffic lanes and two sidewalks. Bridge width is 14,630 m with two 3,048 m sidewalks. Entrance Ramp "A" is a three-span (16,764 m, 16,764 m, 16,764 m) simply supported, multi-stringer composite steel bridge. Ramp width is 5.48 m. Ramp "A" carries one lane of traffic from the north side of the Jackson Boulevard bridge onto north bound I-90/94 Kennedy Expressway.

**Bench Mark:** "A" Cut in South Sidewalk of Jackson Boulevard at N.W. Corner of #76.3 W. Jackson Boulevard (Sta. 1+275). El. 180.959.

**Staging:** Structure to be closed during construction.

**Salvage:** None.

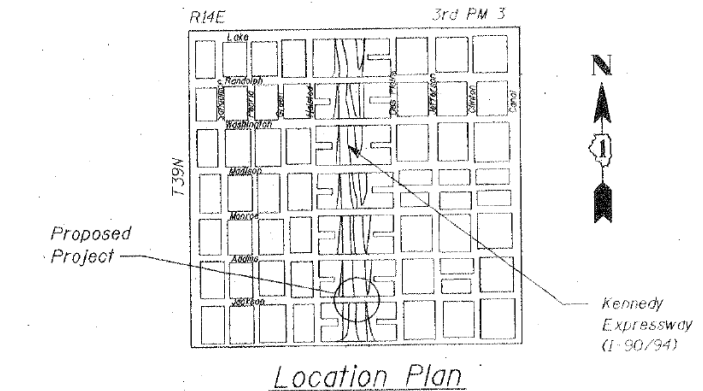
**Note:** All dimensions are in millimeters (mm) unless otherwise noted.



STATION 01-350.230  
REBUILT 2000 BY  
STATE OF ILLINOIS  
F.A.U. RTE. 1422  
SEC 0101-2-1B-R-1  
LOADING MS 18  
STR. NO. 016-0588

**NAME PLATE**  
Sta. 515001

Note: Clean existing name plates cost included with "Name Plates"  
New name plate shall be attached adjacent to the existing name plate.



### Design Specifications

1995 Seismic Retrofitting Manual for Highway Bridges (FHWA-RD-94-052)  
1996 A.A.S.H.T.O. and 1997 & 1998 Interims.

### Loading MS18

Allow 1.2 k/m<sup>2</sup> for future wearing surface

### Design Stresses

#### New Construction

$f'_c = 24 \text{ MPa}$   
 $f_y = 400 \text{ MPa (Reinf.)}$   
 $f_y = 250 \text{ MPa (M270 M Grade 250)}$   
 $f_y = 345 \text{ MPa (M270 M Grade 345)}$

#### Existing Construction

$f_c = 20 \text{ MPa}$   
 $f_s = 275 \text{ MPa (Reinf.)}$   
 $f_s = 230 \text{ MPa (Structural Steel)}$

### Seismic Data

Seismic Performance Category (SPC) = A  
Bedrock Acceleration Coefficient (A) = 0.04  
Site Coefficient (S) = 2.0

\* Angle Shown is taken from the plans of the existing structure. The contractor must verify the angle prior to fabrication of any material.

**STV Incorporated**  
Engineers/Architects/Planners/Construction Managers  
70 W. Madison St. Chicago, IL 60602-4207

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION GENERAL PLAN JACKSON BOULEVARD, FAU 1422 OVER JOHN F. KENNEDY EXPRESSWAY, FAI 90/94 SECTION 0101-2-1B-R-1 COOK COUNTY STATION 1+350.230 STRUCTURE NO. 016-0588 DESIGNED BY J.D.G. DRAWN BY C.U.
NAME	DATE	
		DATE 4-00 CHECKED BY I.K. CHECKED BY J.D.G.

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PLOT DATE = 3/17/2017

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE - 03/21/2017	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

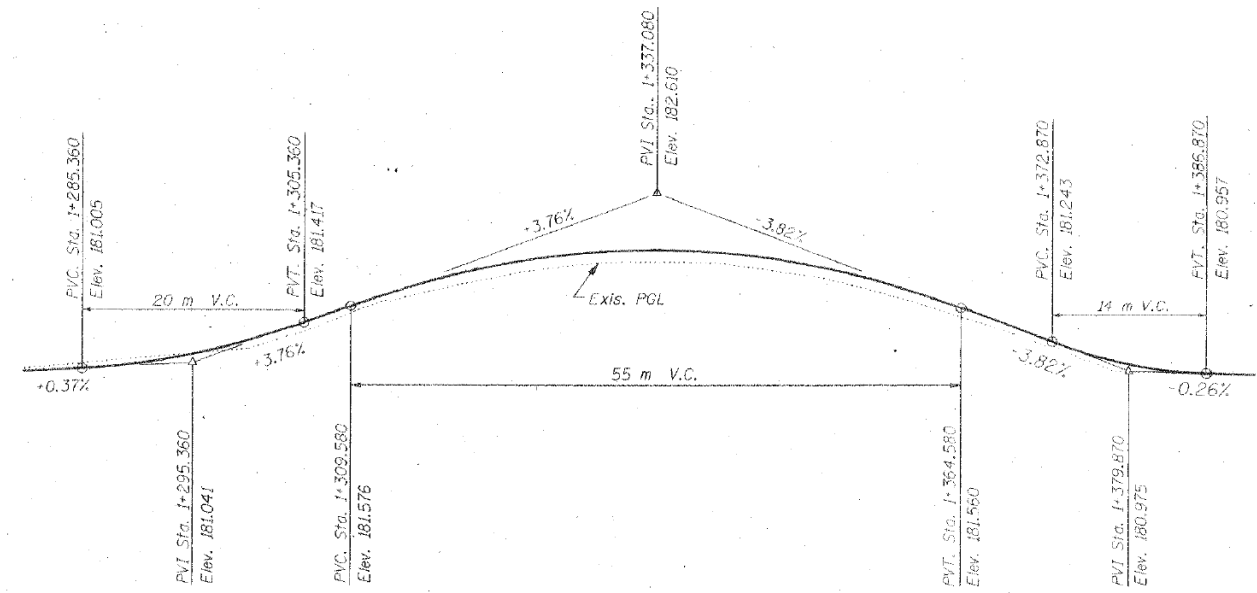
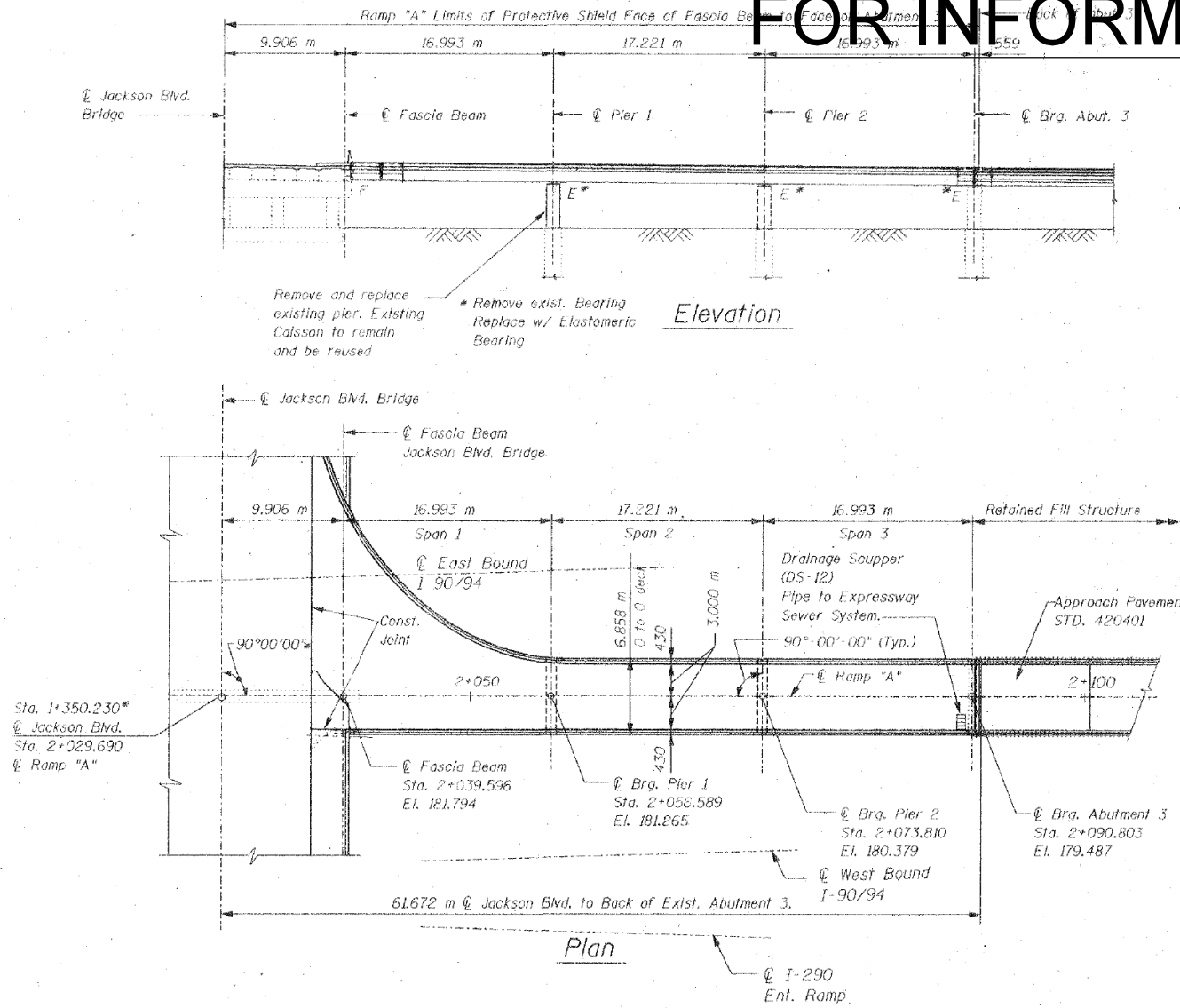
EXISTING PLANS - JACKSON BLVD BRIDGE (SN 016-0588)

SCALE: SHEET 9 OF 17 SHEETS STA. TO STA.

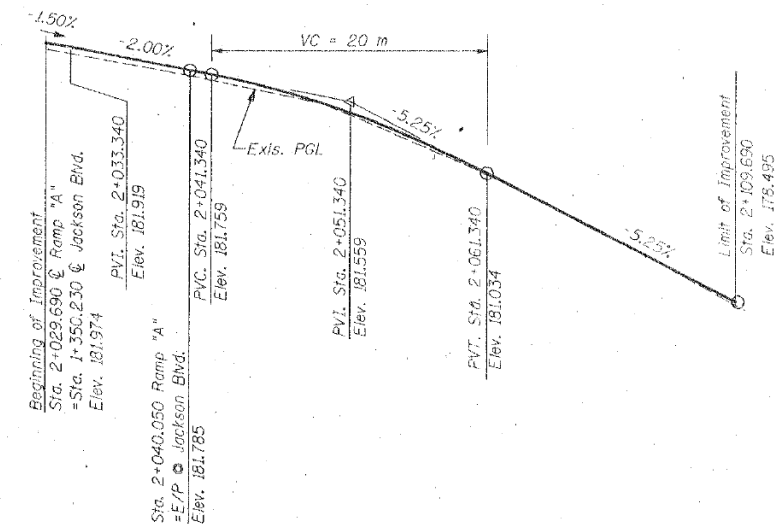
F.A.I. RTE. 90/94/290	SECTION 2015-021-1	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 107
ILLINOIS FED. AID PROJECT CONTRACT NO. 62A75				

# FOR INFORMATION ONLY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	0101-2-1B-R-1	COOK	220	23
STA. 1+350.230 TO STA.		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO. 7		S-2 of 49		



Profile Grade Jackson Boulevard Bridge



Profile Grade Ramp "A"  
(Along C of Ramp "A")

\* Stationing and angle for ramp location is based on the plans of the existing structure. The contractor must verify the location prior to fabrication of any material.

Note: All dimensions are in millimeters (mm) unless otherwise noted.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION GENERAL PLAN - RAMP "A" JACKSON BOULEVARD, FAU 1422 OVER JOHN F. KENNEDY EXPRESSWAY, FAI 90/94 SECTION 0101-2-1B-R-1 COOK COUNTY STATION 1+350.230 STRUCTURE NO. 016-0588 DESIGNED BY J.D.G. DRAWN BY C.U. DATE 4-00 CHECKED BY I.K. CHECKED BY J.D.G.
NAME	DATE	

**STV Incorporated**  
Engineers/Architects/Planners/Construction Managers  
70 W. Madison St. Chicago, IL 60602-4207

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DRAWN -	REVISED -
CHECKED -	REVISED -
DATE - 03/21/2017	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS - JACKSON BLVD BRIDGE (SN 016-0588)

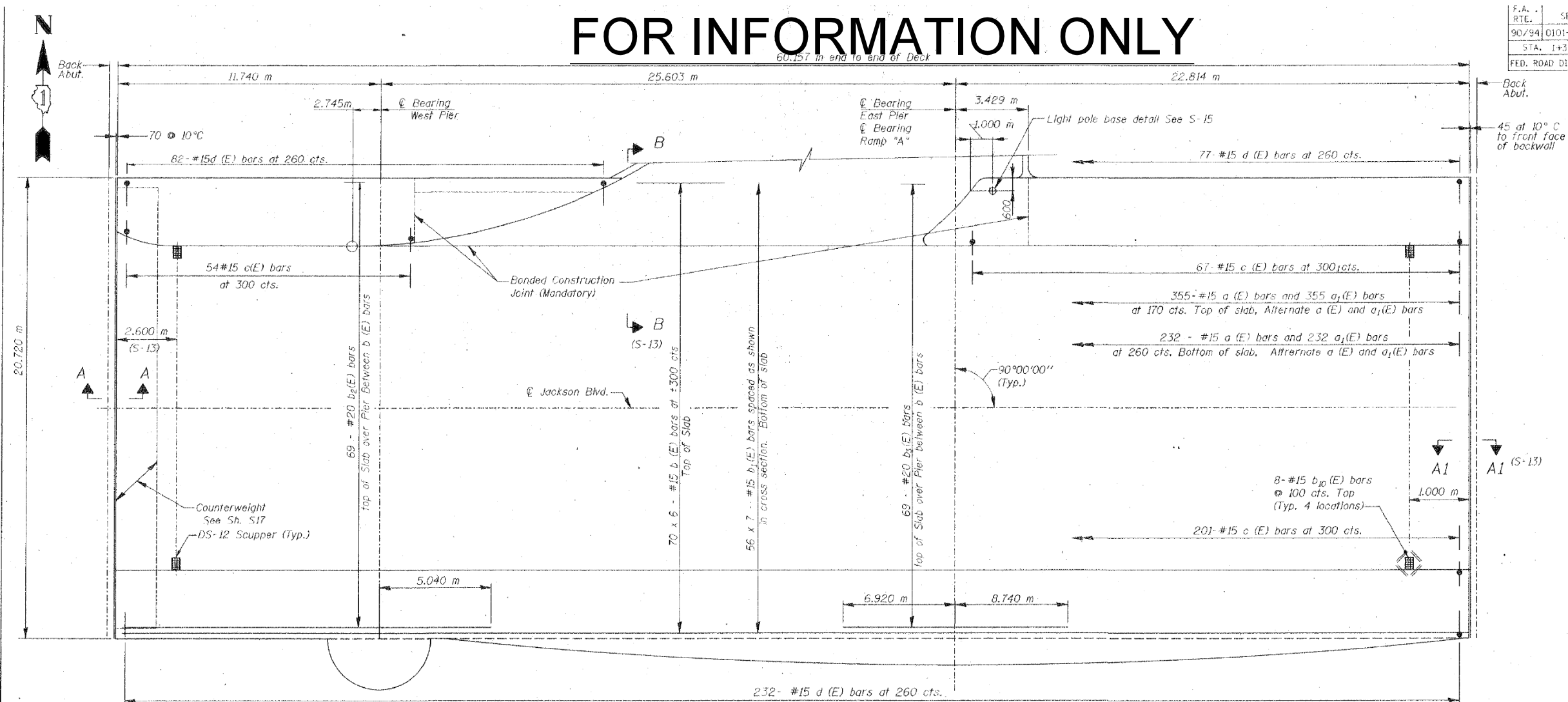
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-021-1	COOK	153	108
ILLINOIS FED. AID PROJECT				CONTRACT NO. 62A75

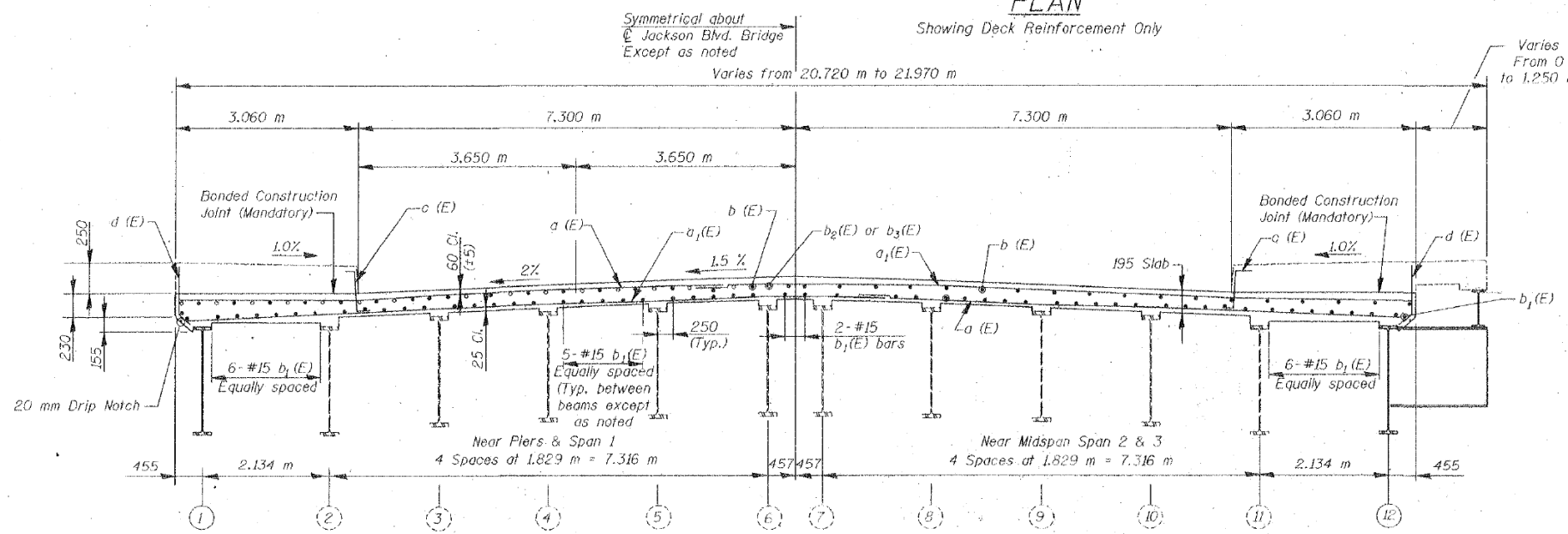


# FOR INFORMATION ONLY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	0101-2-1B-R-1	COOK	226	33
STA. 1+350.230		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
		S-12 of 49		



**PLAN**  
Showing Deck Reinforcement Only



**TYPICAL CROSS SECTION**  
(Looking East)

**DECK GENERAL NOTES:**

- All dimensions are in millimeters (mm) unless otherwise noted.
- Reinforcement bars designated (E) shall be epoxy coated.
- Bars indicated thus: 1x2-#15 etc., indicates 1 line of bars with 2 lengths per line.
- Typical splice length for #15 bars to be 640 mm min. and #20 790 mm min. unless otherwise noted.
- All exposed edges shall have 20 mm chamfers unless otherwise noted.
- Work this Sheet with electrical and architectural drawings for additional embedded items (conduits, etc.).

**NOTES:**

- For Bill of Material, see Sheet S-16
- For Sidewalk reinforcement see Sheet S-14 and S-15.
- For details of attaching fascia panel & railing, see Architectural Sheets.
- For Expansion Joint Details see Sheet S-13
- See Sheet S-16 for counterweight concrete plan & details.
- See Sheet S13 for Sections and details.
- For Scupper details see Sheet S-31.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
BRIDGE DECK PLAN AND CROSS SECTION  
JACKSON BOULEVARD, FAU 1422 OVER  
JOHN F. KENNEDY EXPRESSWAY, FAI 90/94  
SECTION 0101-2-1B-R-1 COOK COUNTY  
STATION 1+350.230 STRUCTURE NO. 016-0588  
DESIGNED BY J.D.G. DRAWN BY C.U.  
DATE 4-00 CHECKED BY I.K. CHECKED BY J.D.G.

**STV Incorporated**  
Engineers/Architects/Planners/Construction Managers  
70 W. Madison St. Chicago, IL 60602-4207

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DATE - 03/21/2017	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

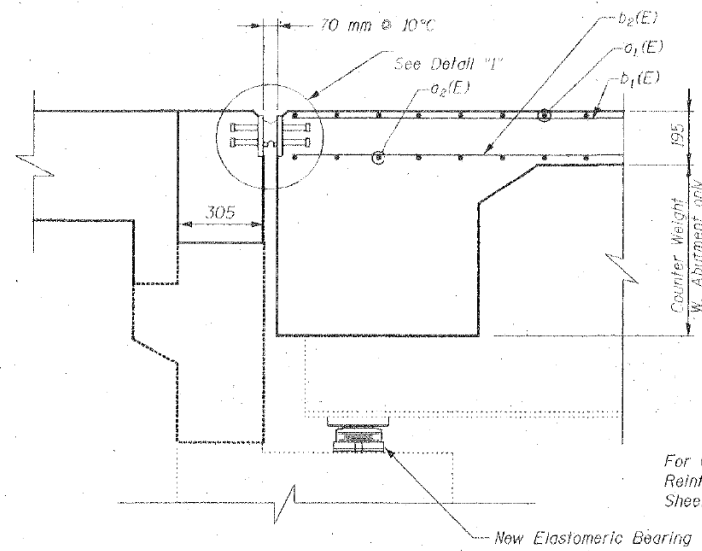
EXISTING PLANS - JACKSON BLVD BRIDGE (SN 016-0588)

SCALE: SHEET 11 OF 17 SHEETS STA. TO STA.

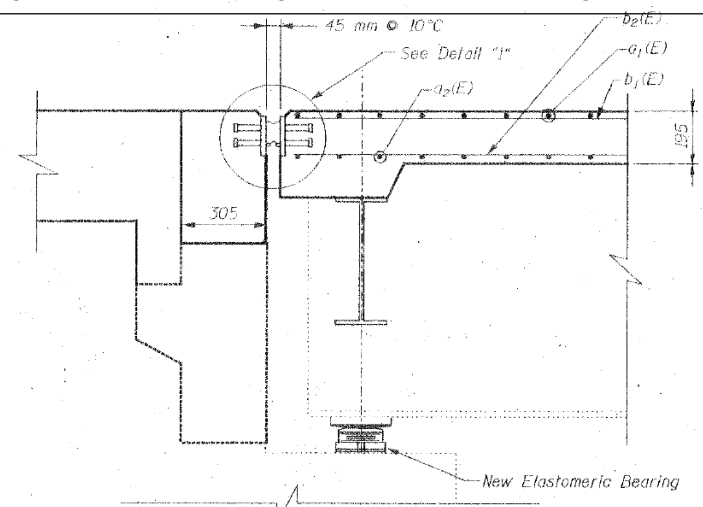
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90/94/290	2015-021-1	COOK	153	109
CONTRACT NO. 62A75				
ILLINOIS FED. AID PROJECT				

# FOR INFORMATION ONLY

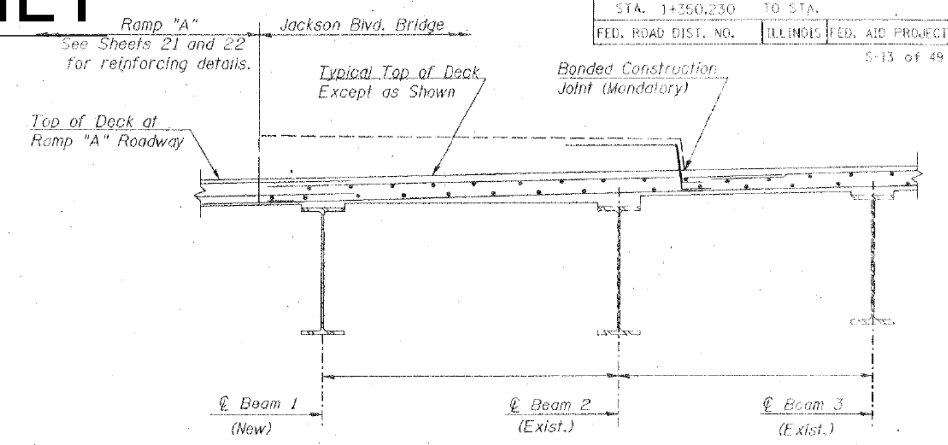
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90/94	0101-2-1B-R-1	COOK	226	34
STA. 1+350.230		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		S-13 OF 49	



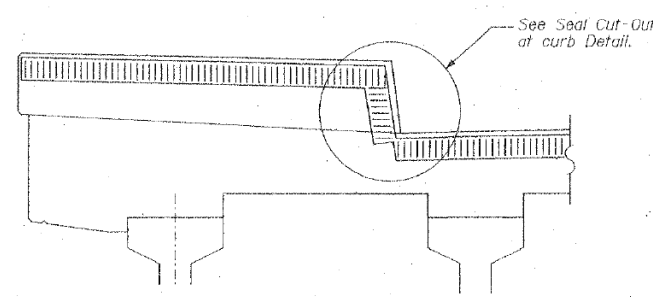
SECTION A-A (S-12)



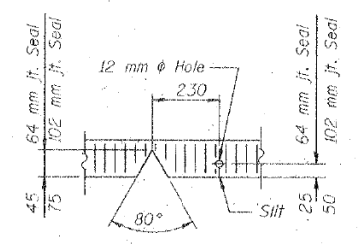
SECTION A1-A1 (S-12)



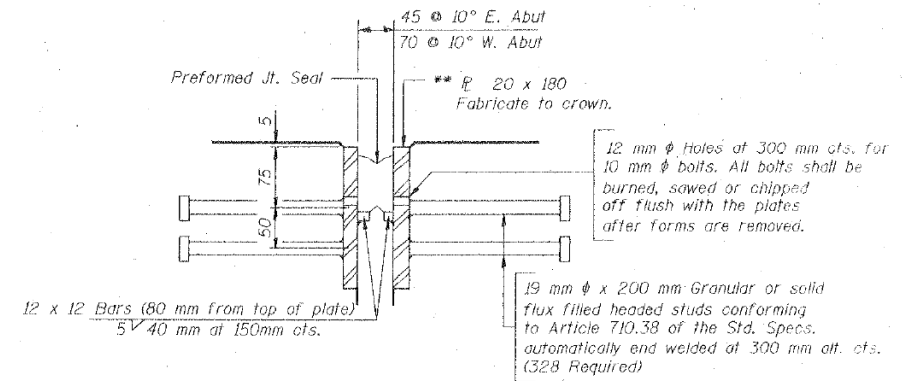
SECTION B-B (S-12)



SECTION THRU SIDEWALK

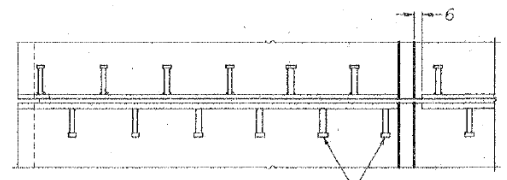


SEAL CUT-OUT AT CURB

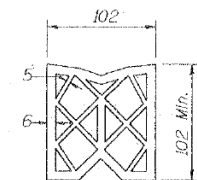


DETAIL 1

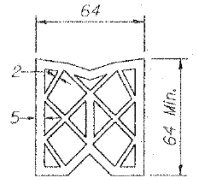
\*\* Furnish in segments of 6 m maximum length. Maximum space between installed segments shall be 5 mm. Seal space with Silicone Sealant suitable for Structural Steel.



19 mm diameter x 200 mm Granular or solid flux headed studs conforming to Art. 1006.32 of the Std. Specs, automatically end welded at 300 mm alt. cts.



PREFORMED JOINT SEAL (102 mm)



PREFORMED JOINT SEAL (64 mm)

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION BRIDGE DECK DETAILS JACKSON BOULEVARD, FAU 1422 OVER JOHN F. KENNEDY EXPRESSWAY, FAU 90/94 SECTION 0101-2-1B-R-1 COOK COUNTY STATION 1+350.230 STRUCTURE NO. 016-0588 DESIGNED BY J.D.G. DRAWN BY C.L.J.
NAME	DATE	
		DATE 4-00 CHECKED BY I.K. CHECKED BY J.D.G.

**STV Incorporated**  
Engineers/Architects/Planners/Construction Managers  
70 W. Madison St. Chicago, IL 60602-4207

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CHECKED -	REVISED -
DATE - 03/21/2017	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

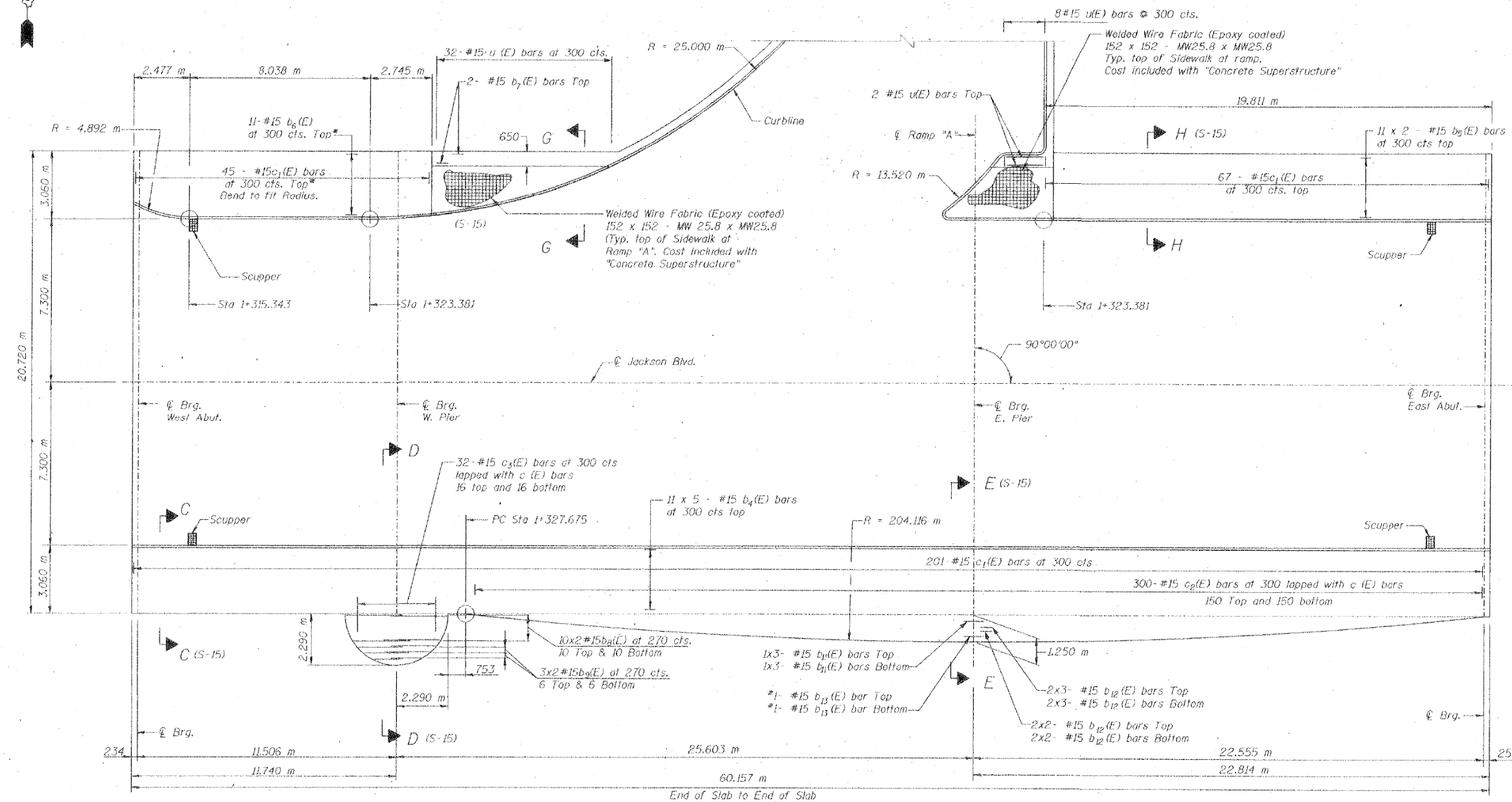
EXISTING PLANS - JACKSON BLVD BRIDGE (SN 016-0588)  
SCALE: SHEET 12 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-021-1	COOK	153	110
CONTRACT NO. 62A75				
ILLINOIS FED. AID PROJECT				

# FOR INFORMATION ONLY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	0101-2-1B-R-1	COOK	226	25
STA. 1+350.230	TO STA.			
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

5-14 of 49



## NOTES:

1. Work this sheet with Sheet S-12
2. See "Deck General Notes" on Sheet S-12
3. For total bill of material, see Sheet S-4.
4. For deck reinforcement, see Sheet S-12
5. For details of attaching fascia panel & railing, see Architectural Sheets.
6. For expansion joint details see Sheet S-13
7. For curb line geometry and details, see Sheet S-1.
8. 20 mm Deep Sawcut joint in sidewalk, locations shown in Architectural Sheets.
9. Minimum splice length for welded wire fabric shall be 300 mm.
10. See Sheet S-12 for Scupper Locations, sections and details.

## PLAN

Showing Sidewalk Reinforcement

\* Bend bars in field to fit curb curve.

Minimum Lap length

#15 640 mm

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 BRIDGE SIDEWALK PLAN & DETAILS  
 JACKSON BOULEVARD, FAU 1422 OVER  
 JOHN F. KENNEDY EXPRESSWAY, FAI 90/94  
 SECTION 0101-2-1B-R-1 COOK COUNTY  
 STATION 1+350.230 STRUCTURE NO. 016-0588  
 DESIGNED BY J.D.G. DRAWN BY C.U.  
 DATE 4-00 CHECKED BY J.K. CHECKED BY J.D.G.

**STV Incorporated**  
 Engineers/Architects/Planners/Construction Managers  
 70 W. Madison St. Chicago, IL 60602-4207

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DATE - 03/21/2017	REVISED -

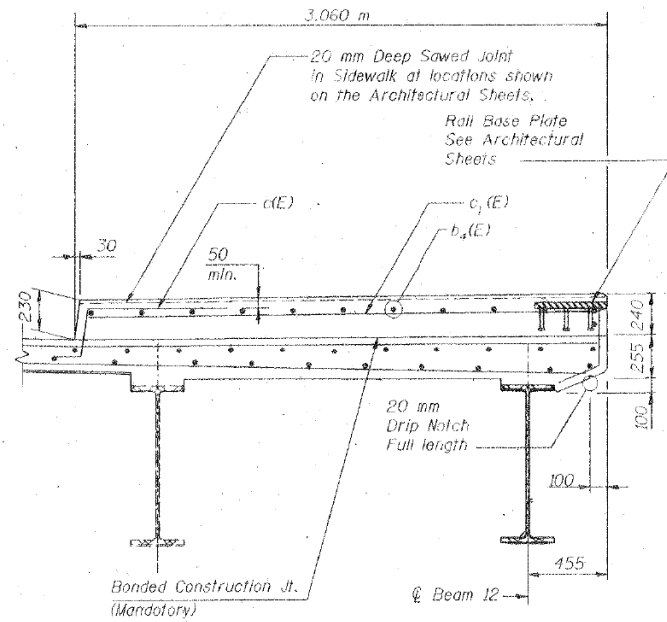
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

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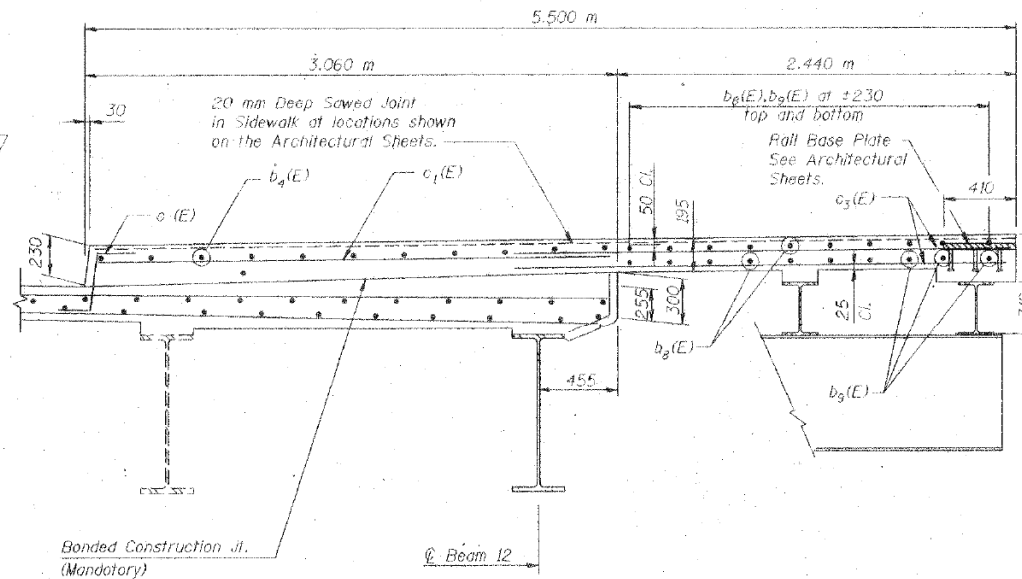
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CONTRACT NO. 62A75				
ILLINOIS FED. AID PROJECT				

# FOR INFORMATION ONLY

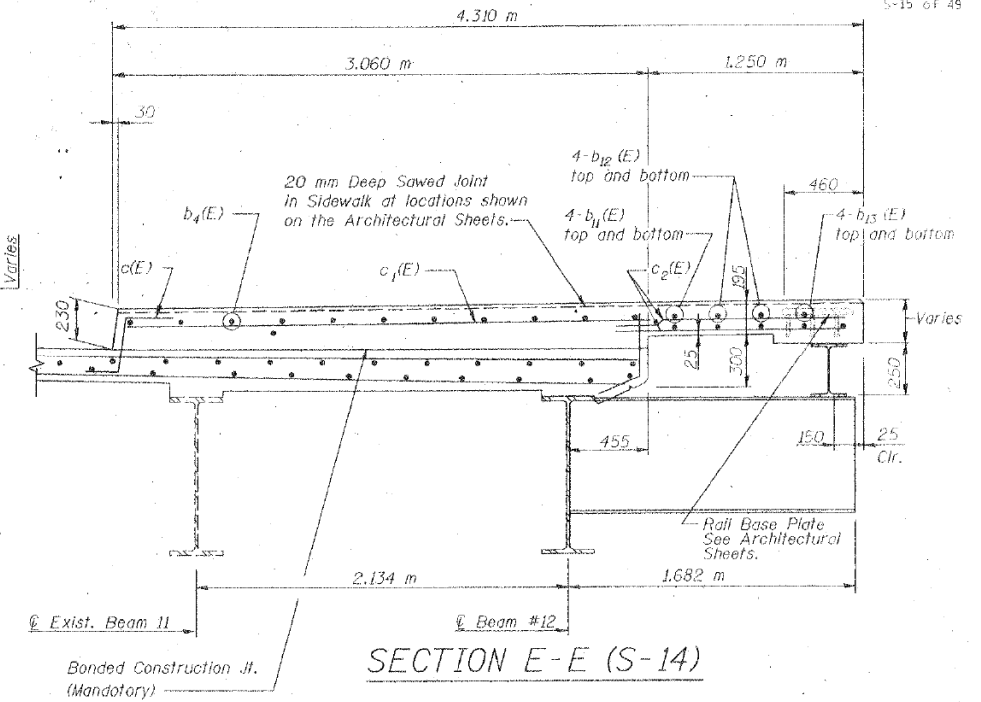
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FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	5-15 of 49	



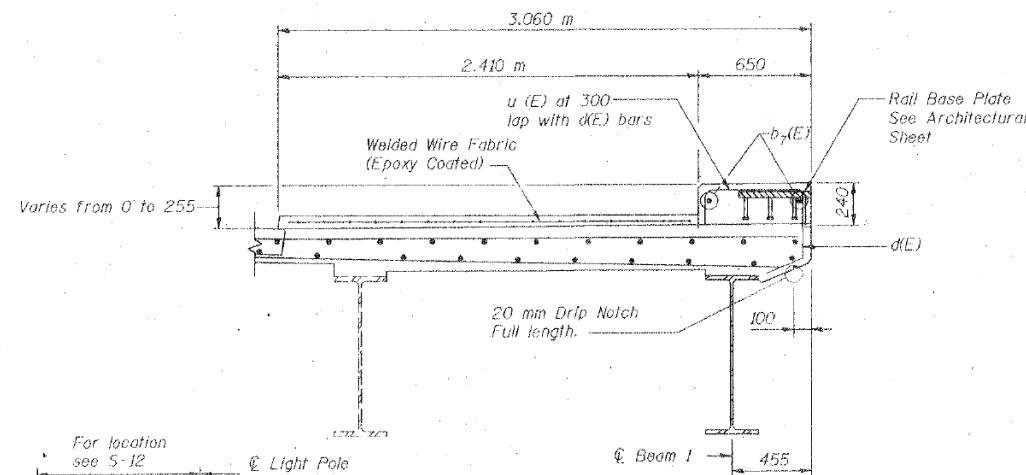
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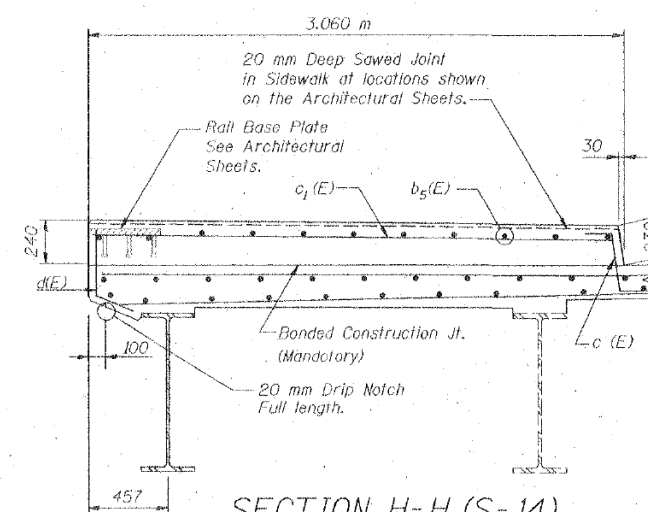
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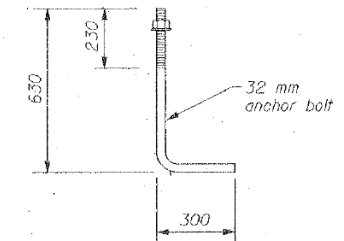
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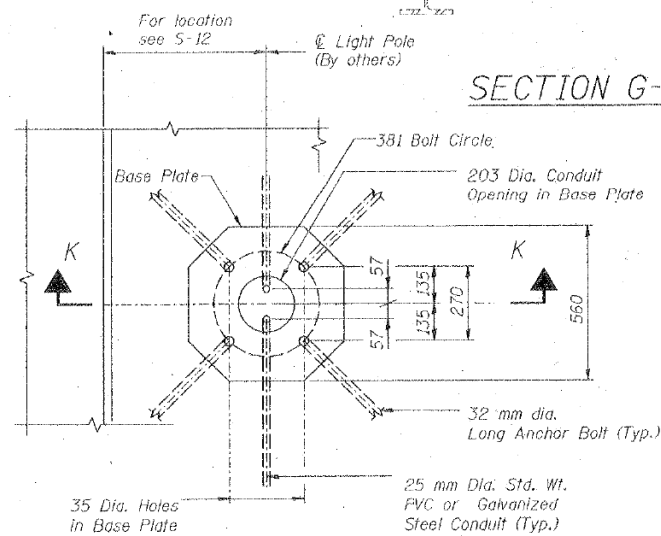
SECTION G-G (S-14)



SECTION H-H (S-14)

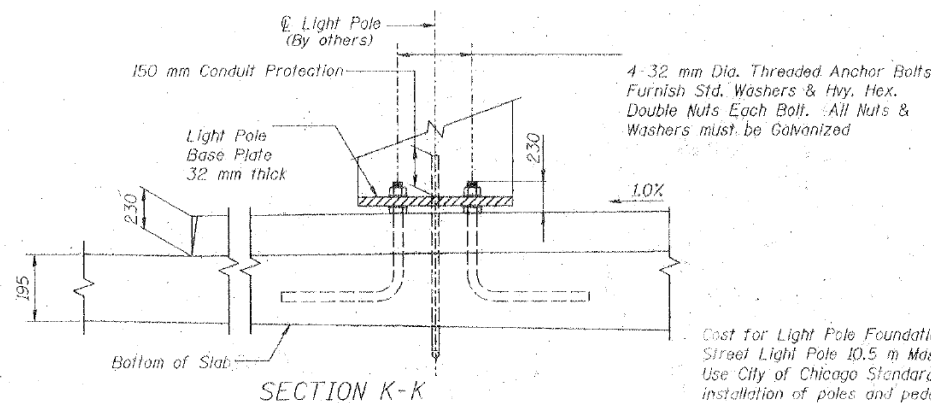


ANCHOR BOLT DETAIL



PLAN

LIGHT POLE BASE DETAIL



SECTION K-K

4-32 mm Dia. Threaded Anchor Bolts  
Furnish Std. Washers & Hex.  
Double Nuts Each Bolt. All Nuts &  
Washers must be Galvanized

Cost for Light Pole Foundation included with  
Street Light Pole 10.5 m Mast Arm.  
Use City of Chicago Standard for "Double-Nut"  
installation of poles and pedestals

NOTES:

1. Work this Sheet with Sheet S-14
2. See "Deck General Notes" on Sheet S-12.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
BRIDGE SIDEWALK SECTION AND DETAILS  
JACKSON BOULEVARD, FAU 1422 OVER  
JOHN F. KENNEDY EXPRESSWAY, FAI 90/94  
SECTION 0101-2-1B-R-1 COOK COUNTY  
STATION 1+350.230 STRUCTURE NO. 016-0588  
DESIGNED BY J.D.G. DRAWN BY C.U.  
DATE 4-00 CHECKED BY I.K. CHECKED BY J.D.G.

STV Incorporated  
Engineers/Architects/Planners/Construction Managers  
70 W. Madison St. Chicago, IL 60602-4207

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DRAWN -  
CHECKED -  
DATE - 03/21/2017

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REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

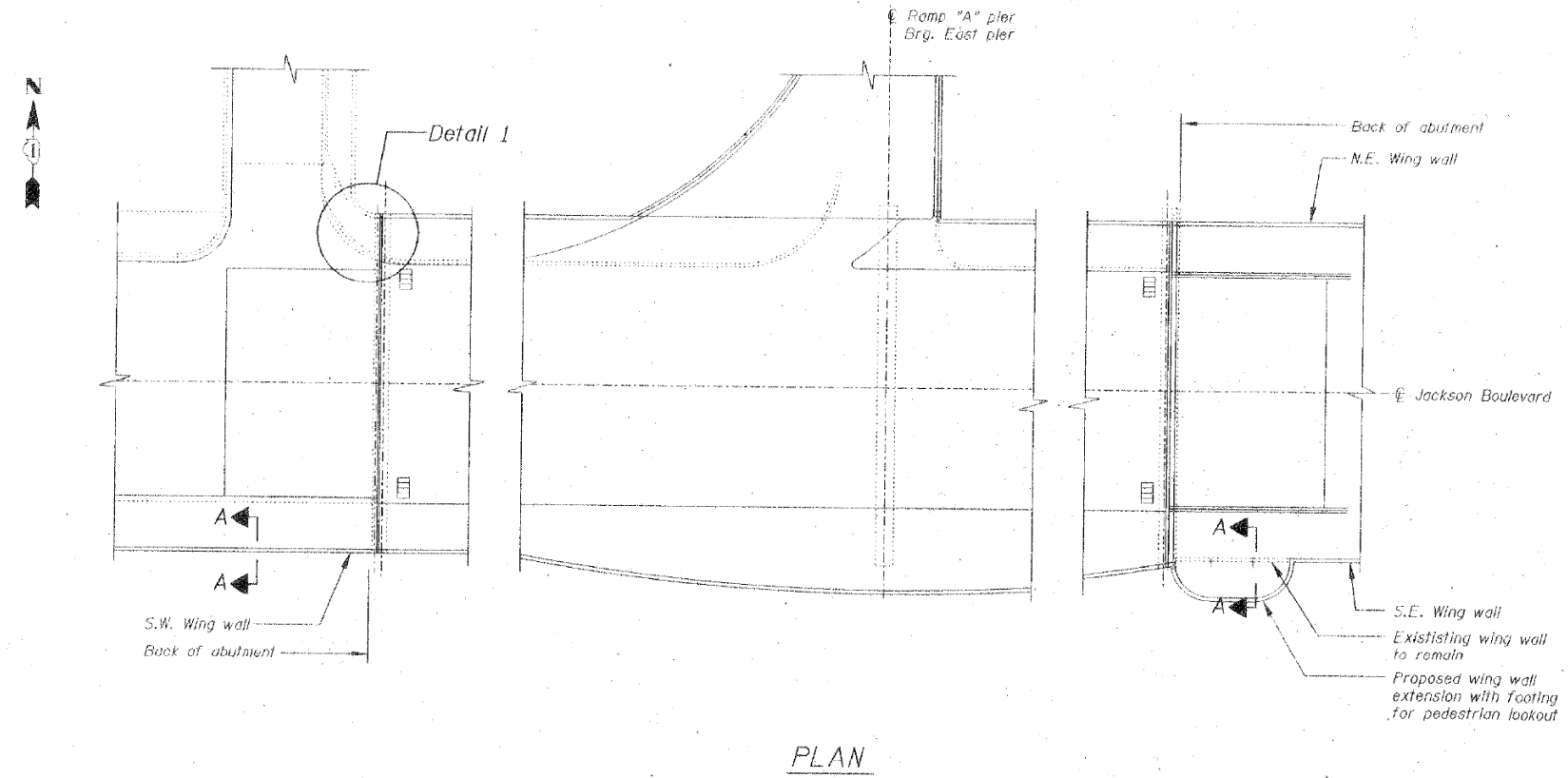
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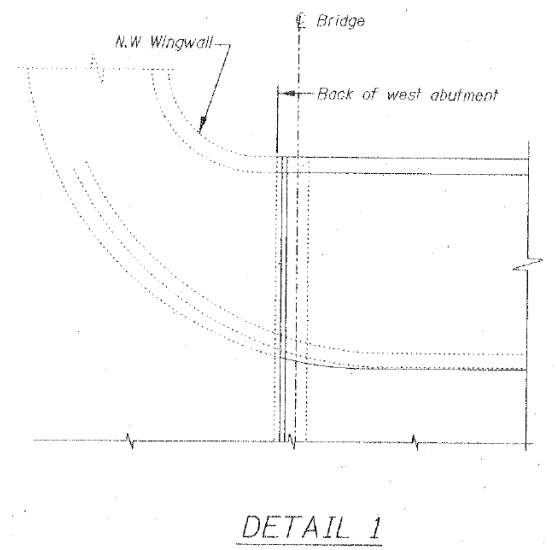
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CONTRACT NO. 62A75				
ILLINOIS FED. AID PROJECT				

# FOR INFORMATION ONLY

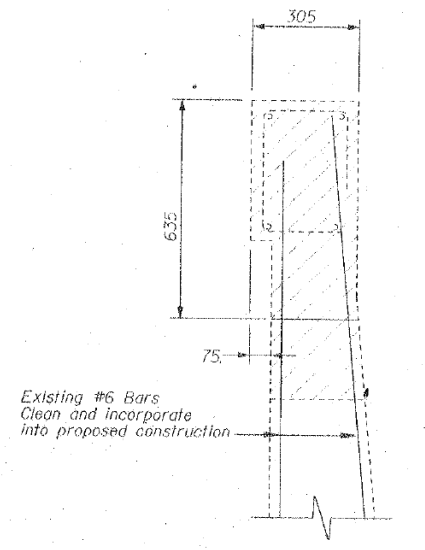
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STA. 1+350,230	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		5-46 of 49	



PLAN



DETAIL 1



SECTION A-A

Showing Removal

**NOTES:**  
1. For railing details and base plate locations, see Architectural sheets

Note: All dimensions are in millimeters (mm) unless otherwise noted.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION WINGWALL REHABILITATION PLANS JACKSON BOULEVARD, FAU 1422 OVER JOHN F. KENNEDY EXPRESSWAY, FAI 90/94 SECTION 0101-2-1B-R-1 COOK COUNTY STATION 1+350,230 STRUCTURE NO. 016-0588 DESIGNED BY J.D.G. DRAWN BY C.U.
NAME	DATE	
		DATE 4-00 CHECKED BY I.K. CHECKED BY J.D.G.

**STV Incorporated**  
Engineers/Architects/Planners/Construction Managers  
70 W. Madison St. Chicago, IL 60602-4207

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CHECKED -	REVISED -
DATE - 03/21/2017	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

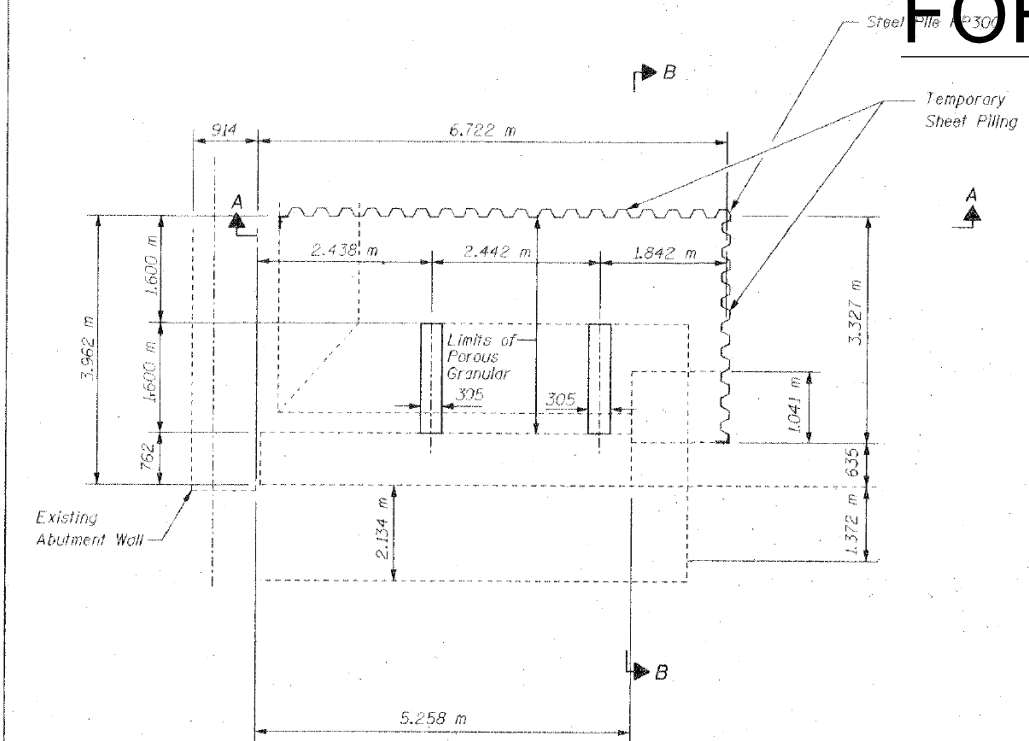
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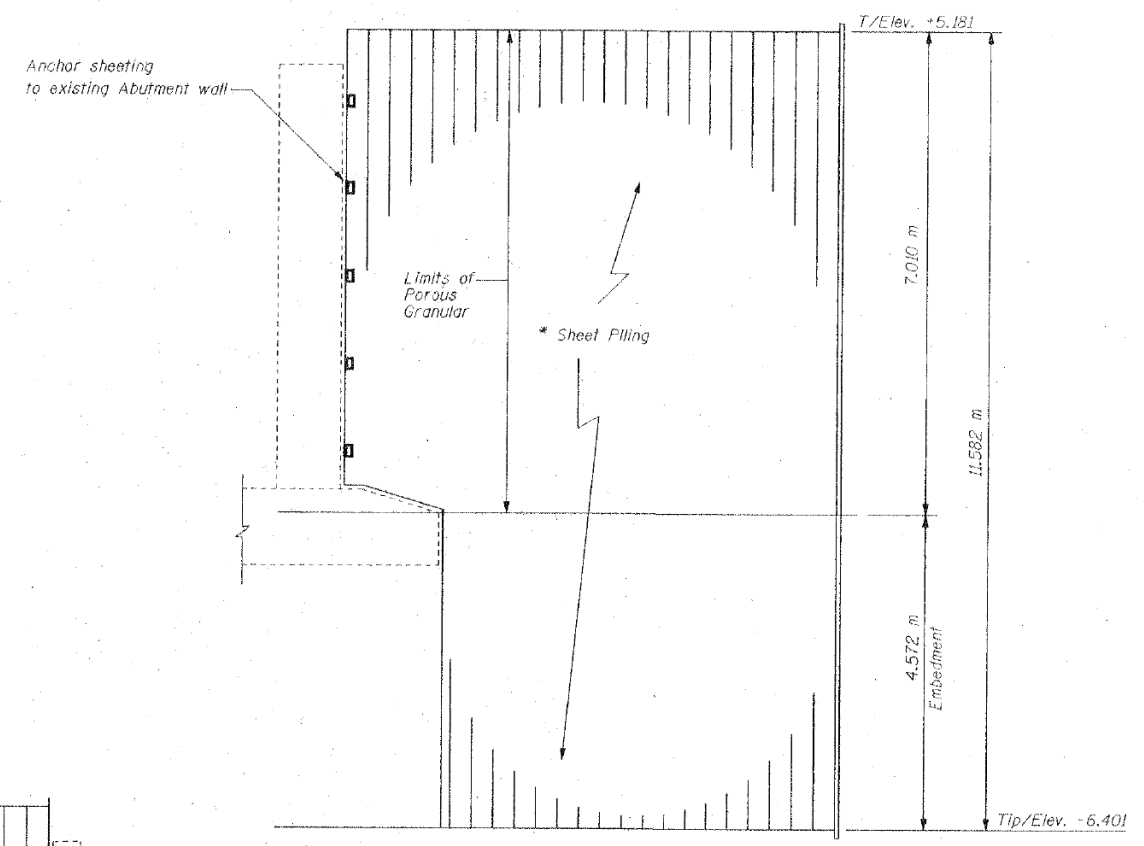
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ILLINOIS FED. AID PROJECT			CONTRACT NO. 62A75	

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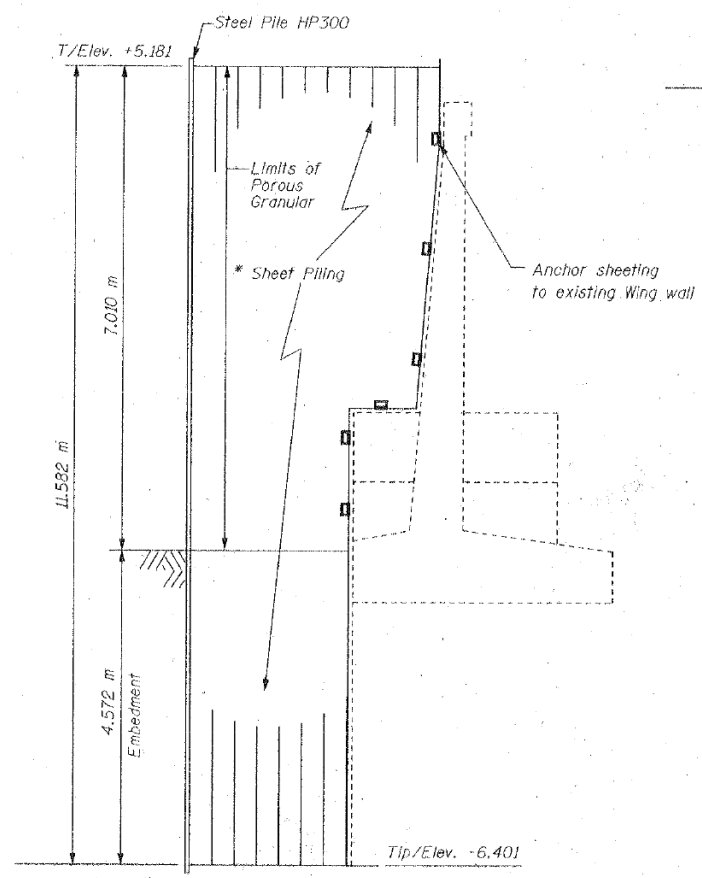
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STA. 1+350.230		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PLAN



SECTION A-A



SECTION B-B

## BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH(m)	SHAPE
n (E)	24	15	8,900	—
n <sub>1</sub> (E)	8	15	3,800	—
n <sub>2</sub> (E)	6	15	3,300	—
n <sub>3</sub> (E)	2	15	3,000	—
n <sub>4</sub> (E)	44	15	1,955	—
x (E)	18	20	6,220	□
x <sub>1</sub> (E)	16	20	5,850	□
x <sub>2</sub> (E)	16	20	5,110	□
x <sub>3</sub> (E)	9	15	3,300	—
x <sub>4</sub> (E)	8	15	3,000	—
x <sub>5</sub> (E)	8	15	2,400	—
x <sub>6</sub> (E)	7	15	3,930	□
n (E)	75	20	0,900	—
v (E)	32	20	6,550	□
b (E)	31	15	4,420	□
ITEM		UNIT	QUANTITY	
Reinforcement Bars Epoxy Coated		kg	2255	
Concrete Removal		m <sup>3</sup>	2	
Concrete Structures		m <sup>3</sup>	29	
Structure Excavation		m <sup>3</sup>	157	
Porous Granular Embankment		m <sup>3</sup>	151	

\* If the contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans for lesser design requirements, then full design submittals with the required seals will be expected by the Department, for review and approval.

<sup>3</sup> Minimum Sheet Piling section Modulus per meter length shall be 2,059,000 m<sup>3</sup>

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**LOOKOUT DETAILS**  
 JACKSON BOULEVARD, FAU 1422 OVER  
 JOHN F. KENNEDY EXPRESSWAY, FAJ 90/94  
 SECTION 0101-2-1B-R-1 COOK COUNTY  
 STATION 1+350.230 STRUCTURE NO. 016-0588  
 DESIGNED BY J.D.G. DRAWN BY C.U.  
 DATE 4-00 CHECKED BY E.K. CHECKED BY J.D.G.

**STV Incorporated**  
 Engineers/Architects/Planners/Construction Managers  
 70 W. Madison St. Chicago, IL 60602-4207

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DATE - 03/21/2017	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

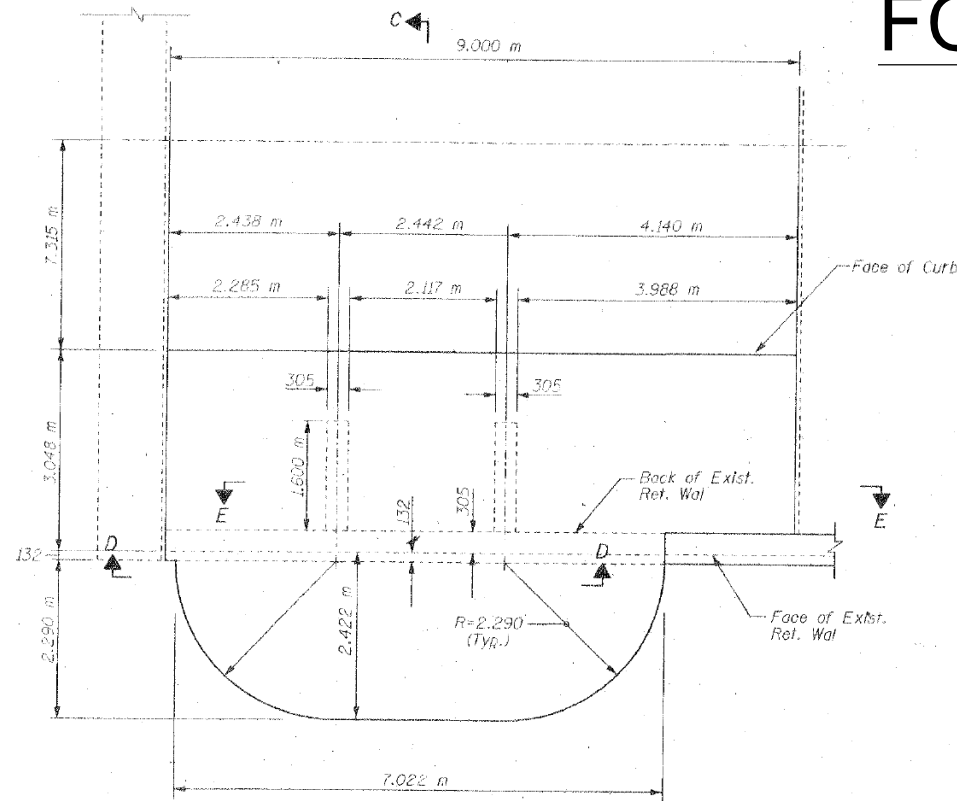
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ILLINOIS FED. AID PROJECT				CONTRACT NO. 62A75

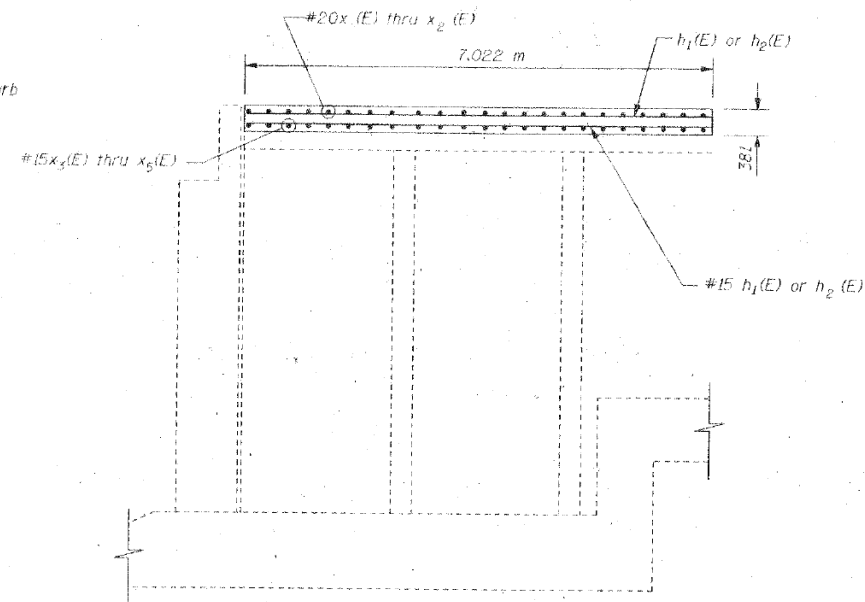
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FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

5-49 of 49

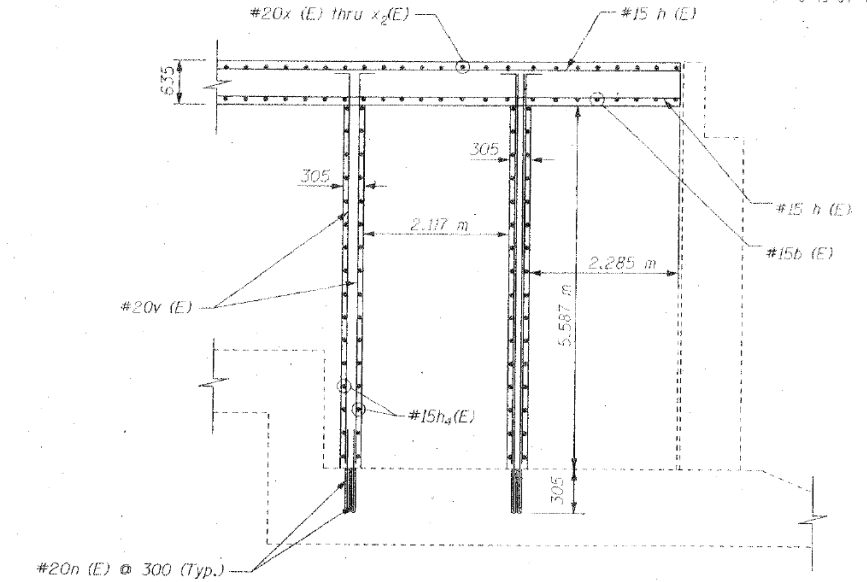


PLAN

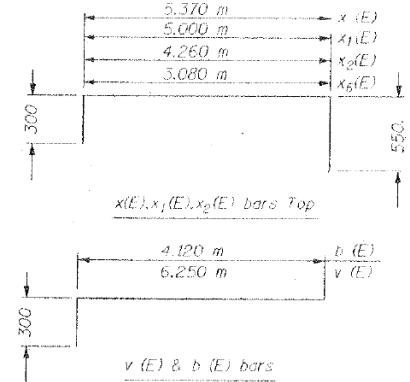


SECTION D-D

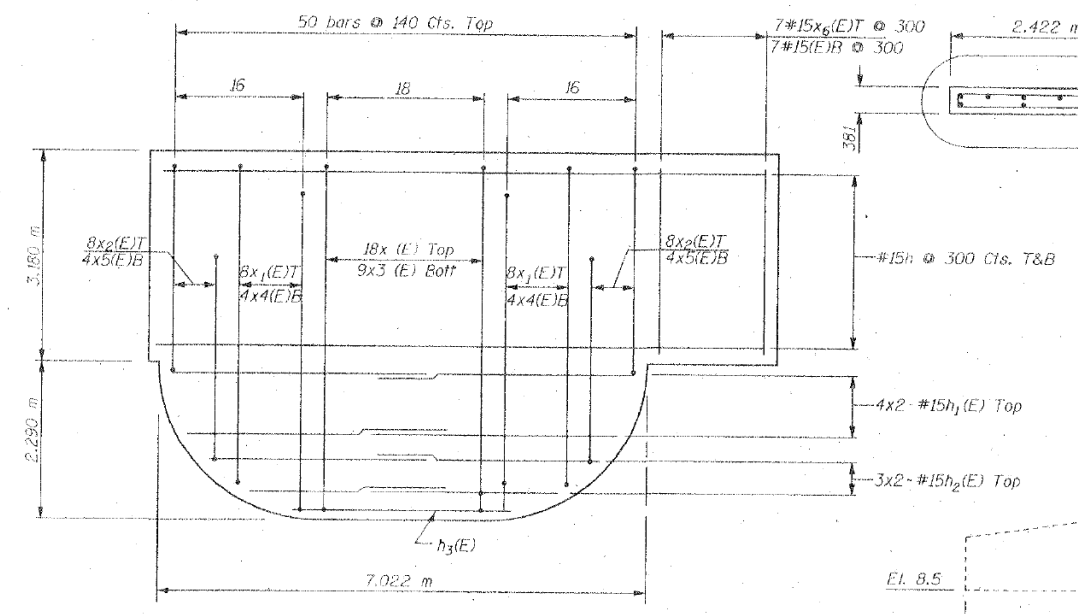
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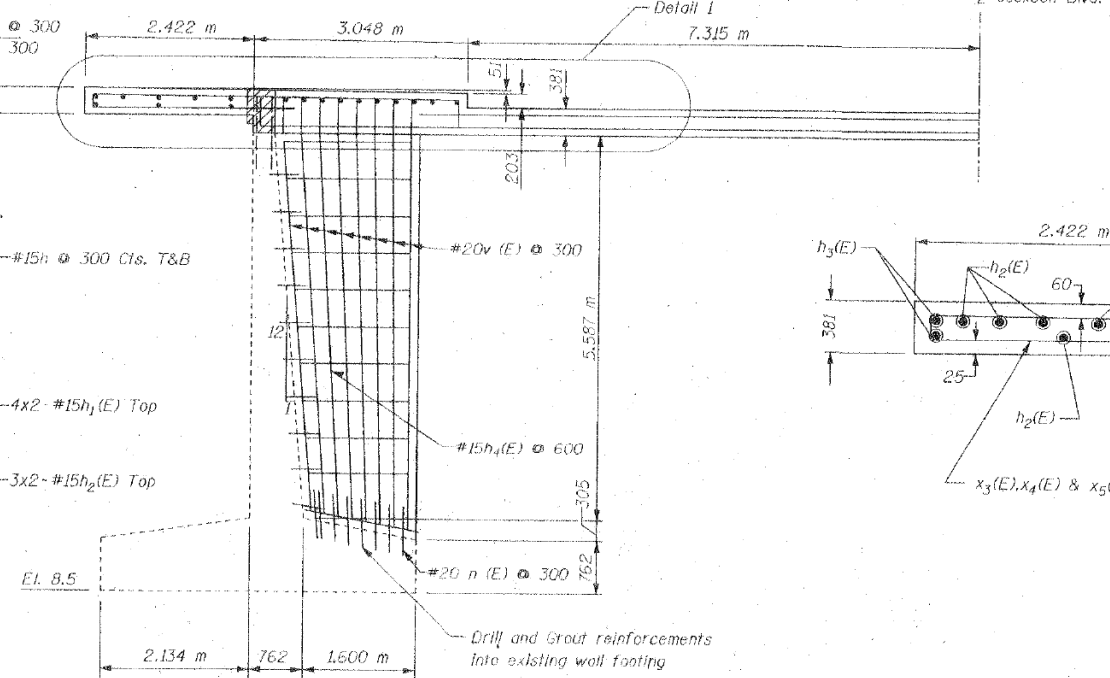
SECTION E-E



LOOKOUT SLAB BAR LAYOUT



TOP PLAN



SECTION C-C

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
LOOKOUT DETAILS  
JACKSON BOULEVARD, FAU 1422 OVER  
JOHN F. KENNEDY EXPRESSWAY, FAI 90/94  
SECTION 0101-2-1B-R-1 COOK COUNTY  
STATION 1+350.230 STRUCTURE NO. 016-0588  
DESIGNED BY J.D.G. DRAWN BY C.U.  
DATE 4-00 CHECKED BY I.K. CHECKED BY J.D.G.

**STV Incorporated**  
Engineers/Architects/Planners/Construction Managers  
70 W. Madison St. Chicago, IL 60602-4207

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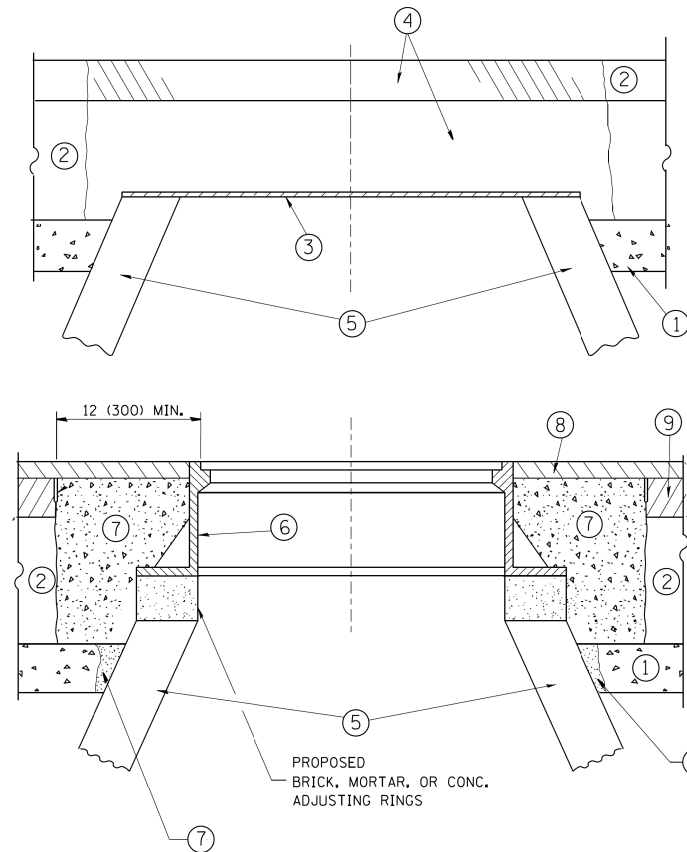
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DATE - 03/21/2017	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS - JACKSON BLVD BRIDGE (SN 016-0588)  
SCALE: SHEET 17 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-021-1	COOK	153	115
CONTRACT NO. 62A75				
ILLINOIS FED. AID PROJECT				



**NOTES:**

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

**CONSTRUCTION PROCEDURES**

**STAGE 1 (BEFORE PAVEMENT MILLING)**

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

**STAGE 2 (AFTER PAVEMENT MILLING)**

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1\* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

\* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

**LEGEND**

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT
- ③ 36 (900) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS PP-1\* CONCRETE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

**LOCATION OF STRUCTURES:**

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

**BASIS OF PAYMENT:**

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

**DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING**

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN  
 \*90/94/290

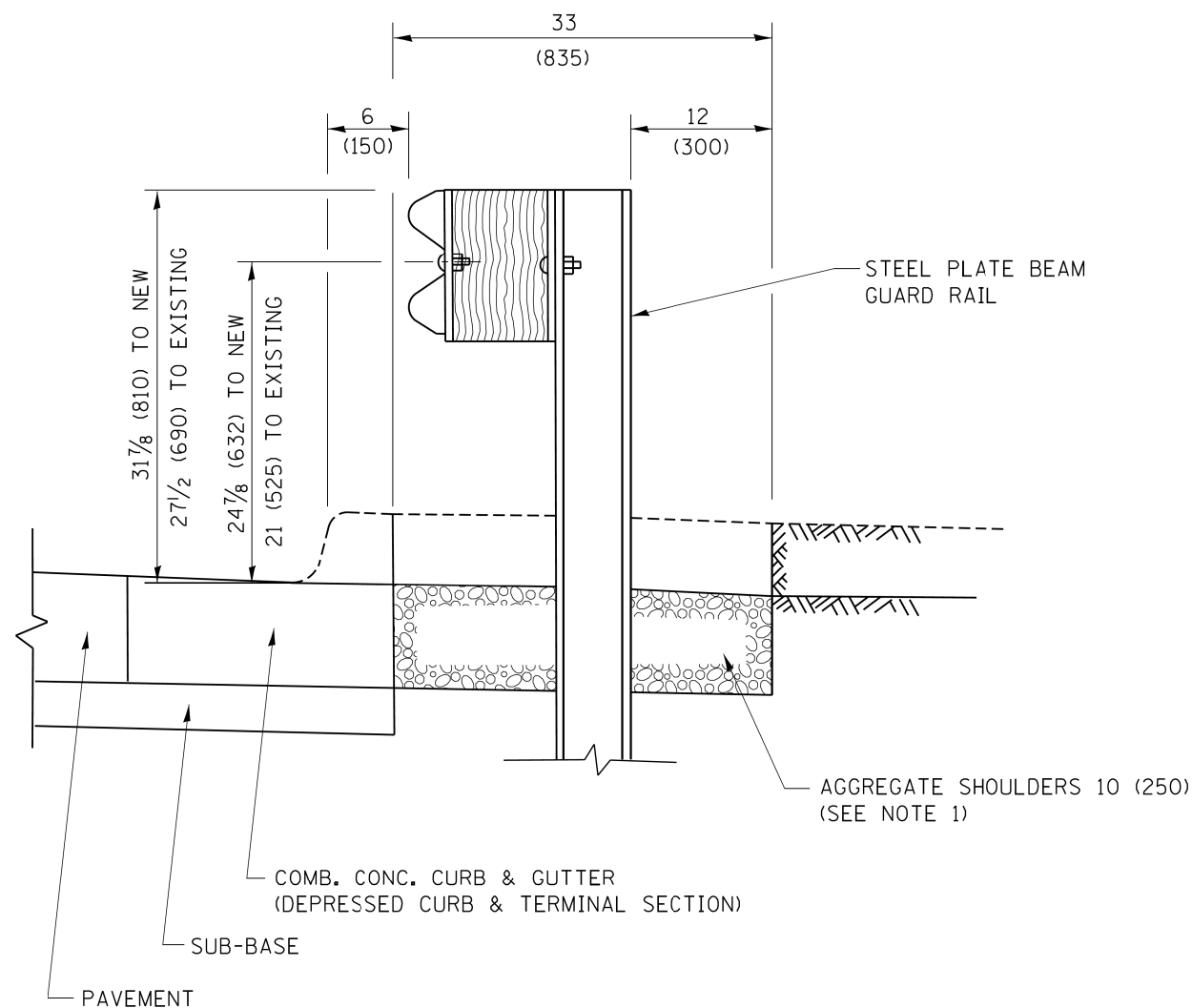
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR  
 FRAMES AND LIDS ADJUSTMENT WITH MILLING**

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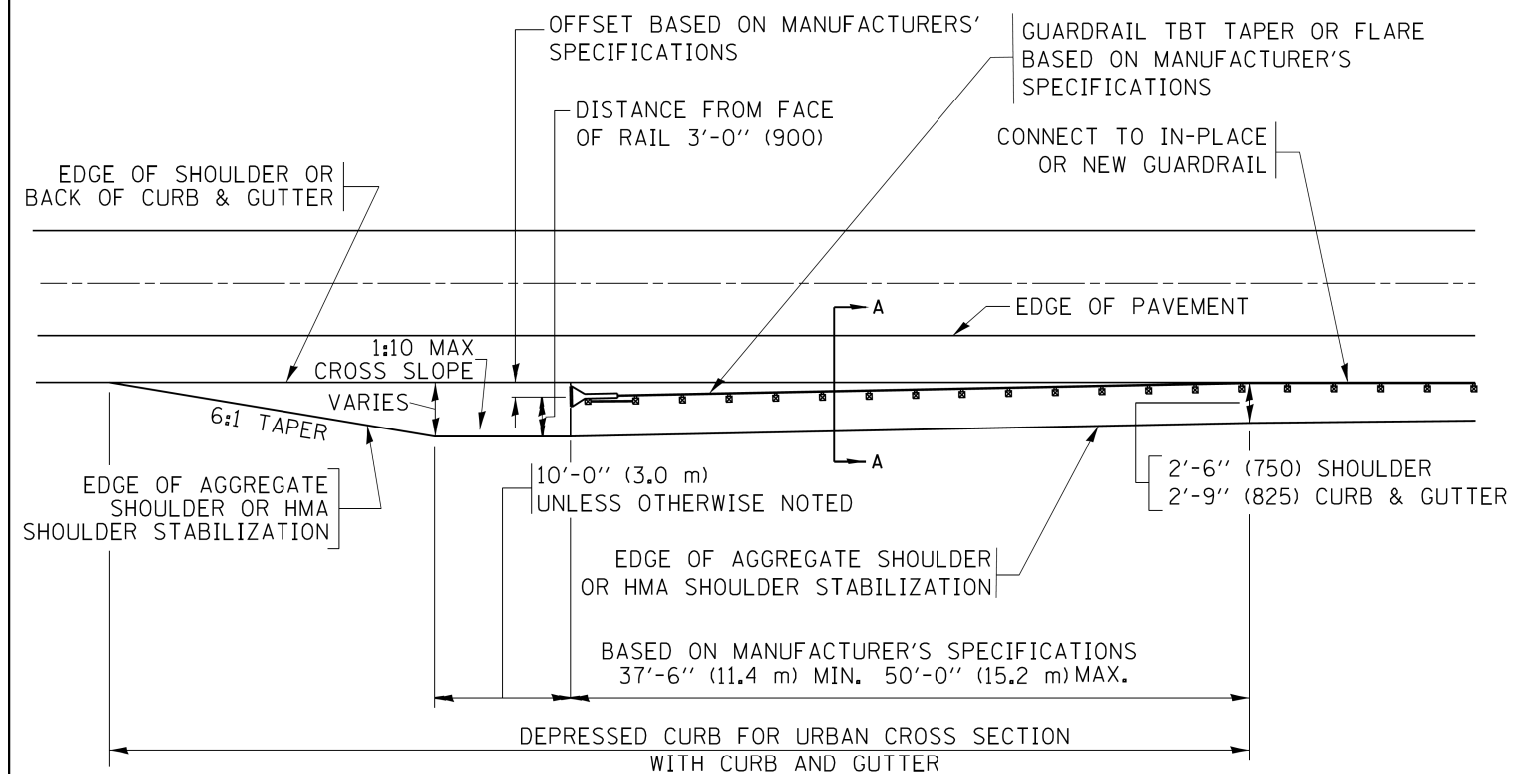




SECTION A-A

- NOTES:
1. THE AGGREGATE SHOULDER, 10 (250) OR HMA SHOULDER, 6 (150) (IF REQUIRED) SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL.
  2. "EXISTING" GUARDRAIL REFERS TO CONNECTING TERMINAL SECTION TO GUARD RAILING PRIOR TO THE MIDWEST GUARDRAIL SYSTEM.
  3. THE CONTRACTOR SHALL VERIFY THE TYPE/HEIGHT OF GUARDRAIL IN-PLACE BEFORE ORDERING THE NEW TERMINAL SECTION. COST INCLUDED WITH THE COST OF THE TERMINAL. THE TERMINAL SECTION HEIGHT TO BE PLACED MUST MATCH THE HEIGHT OF THE IN-PLACE GUARDRAIL.

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



**DEPRESSED CURB AND GUTTER AND  
SHOULDER TREATMENT AT TBT TY. 1 SPL.**

AGGREGATE SHOULDER, 10 (250) WILL BE PAID ACCORDING TO SECTION 481.

HMA SHOULDERS 6 (150) (IF REQUIRED) WILL BE PAID ACCORDING TO SECTION 482.

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

TBT = TRAFFIC BARRIER TERMINAL  
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)  
UNLESS OTHERWISE SHOWN.

\*90/94/290

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR DEPRESSED CURB & GUTTER AND  
SHOULDER TREATMENT AT TBT TY. 1 SPL.**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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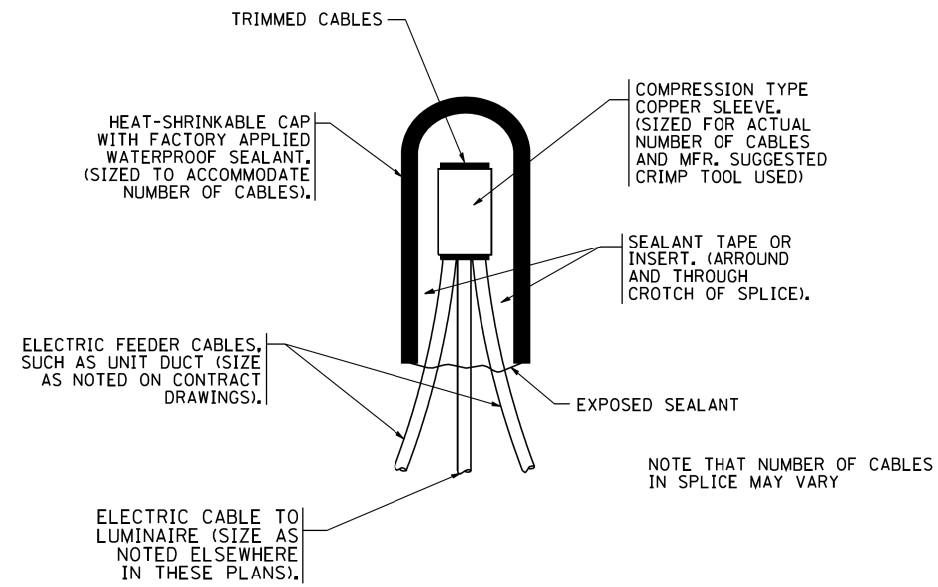


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PLOT SCALE = 0.1650' / in.	CHECKED -	REVISED -
PLOT DATE = 3/21/2017	DATE - 03/21/2017	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

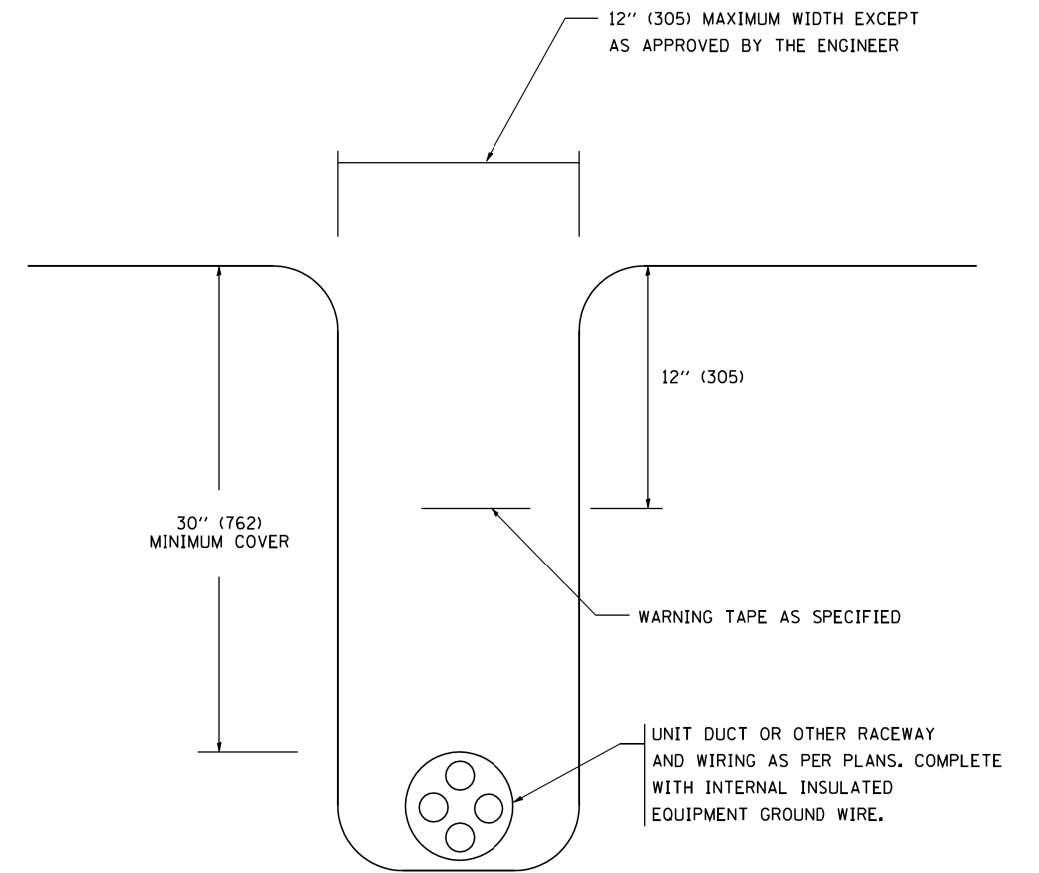
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-021-1	COOK	153	118
<b>CONTRACT NO. 62A75</b>				
ILLINOIS FED. AID PROJECT				



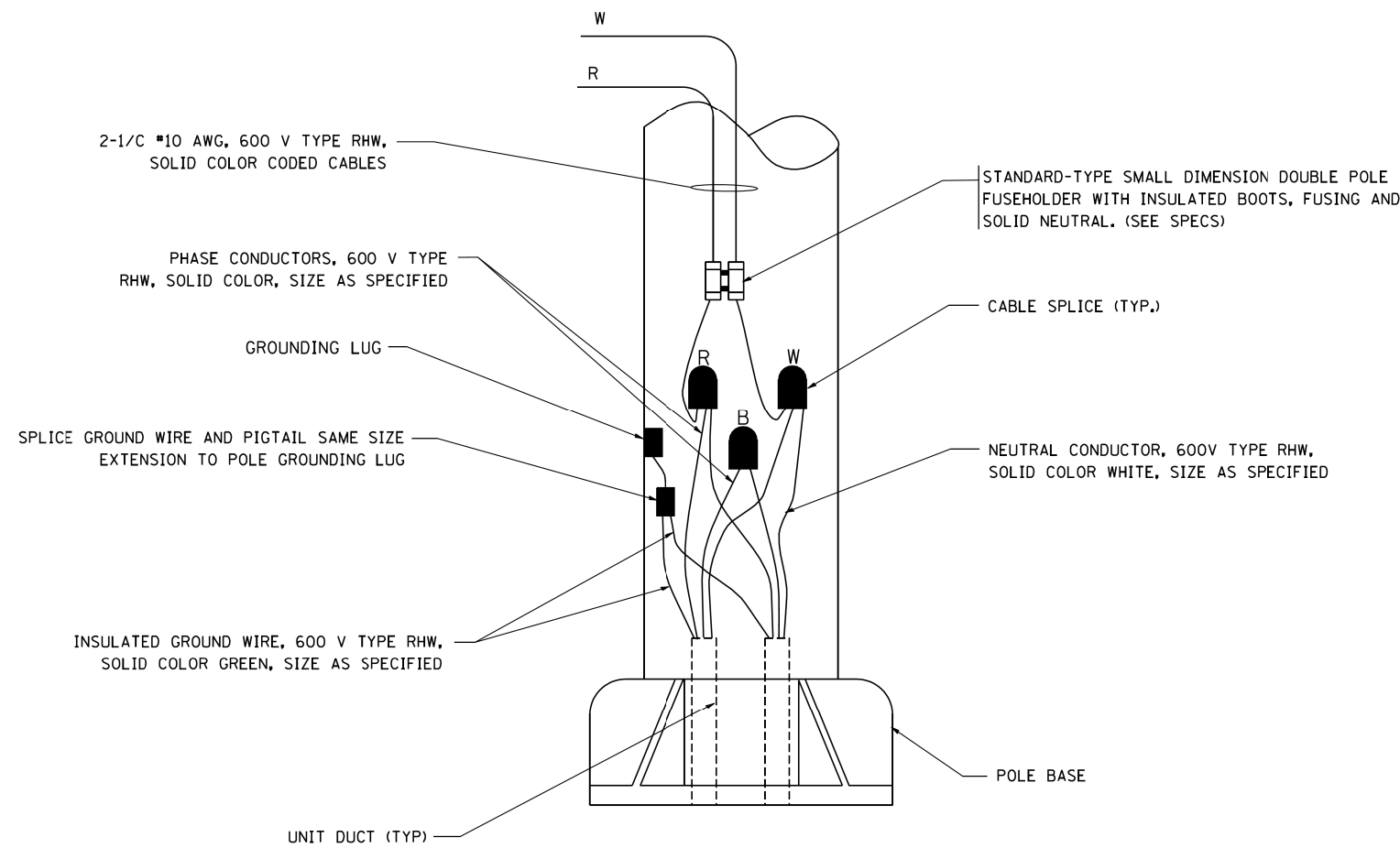
**TYPICAL SPLICE DETAIL**

N.T.S.



**TYPICAL WIRING IN TRENCH DETAIL**

N.T.S.



**POLE WIRING DETAIL**

N.T.S.

FILE NAME = W:\diststd\22x34\be702.dgn

USER NAME = geglianobt

PLOT SCALE = 50,000 ' / IN.

PLOT DATE = 1/4/2008

DESIGNED -

DRAWN -

CHECKED -

DATE -

REVISED - 08-08-03

REVISED -

REVISED -

REVISED -

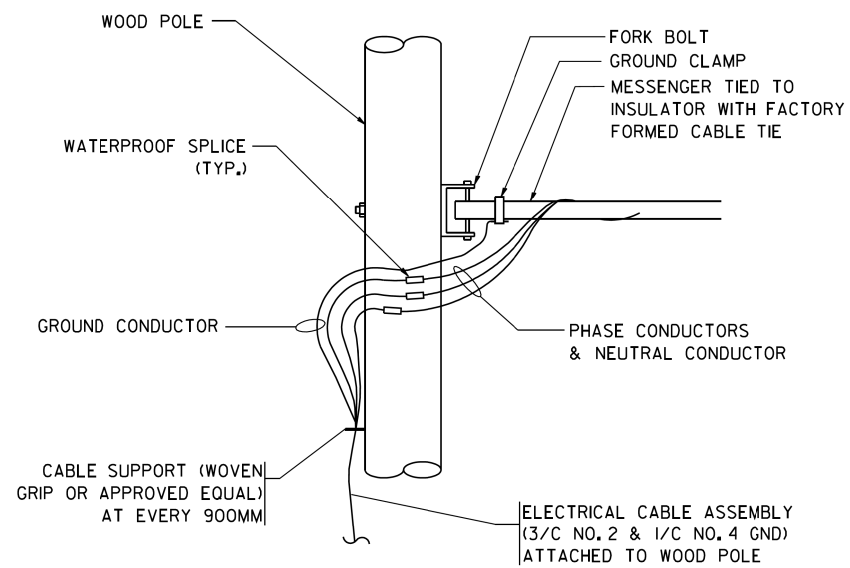
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

MISC. ELECTRICAL DETAILS  
**SHEET A**

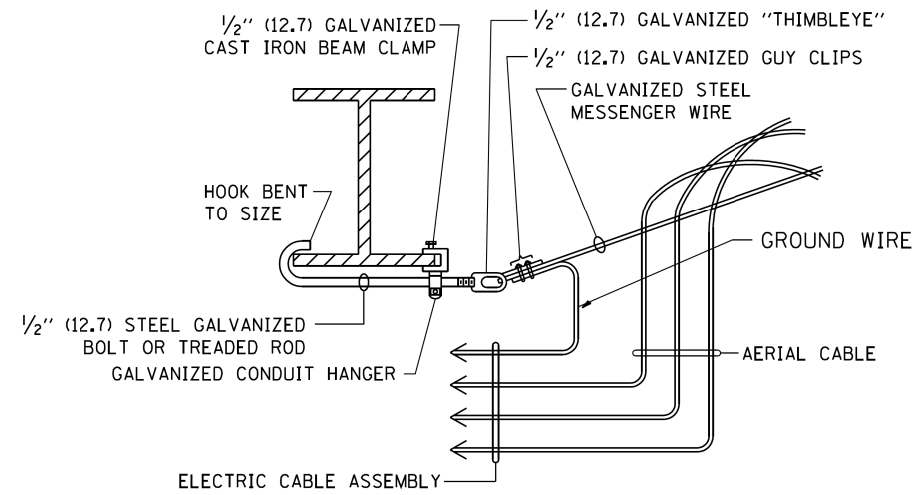
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

\*90/94/290

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2015-021-1	COOK	153	119
<b>BE-702</b>		CONTRACT NO. 62A75		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



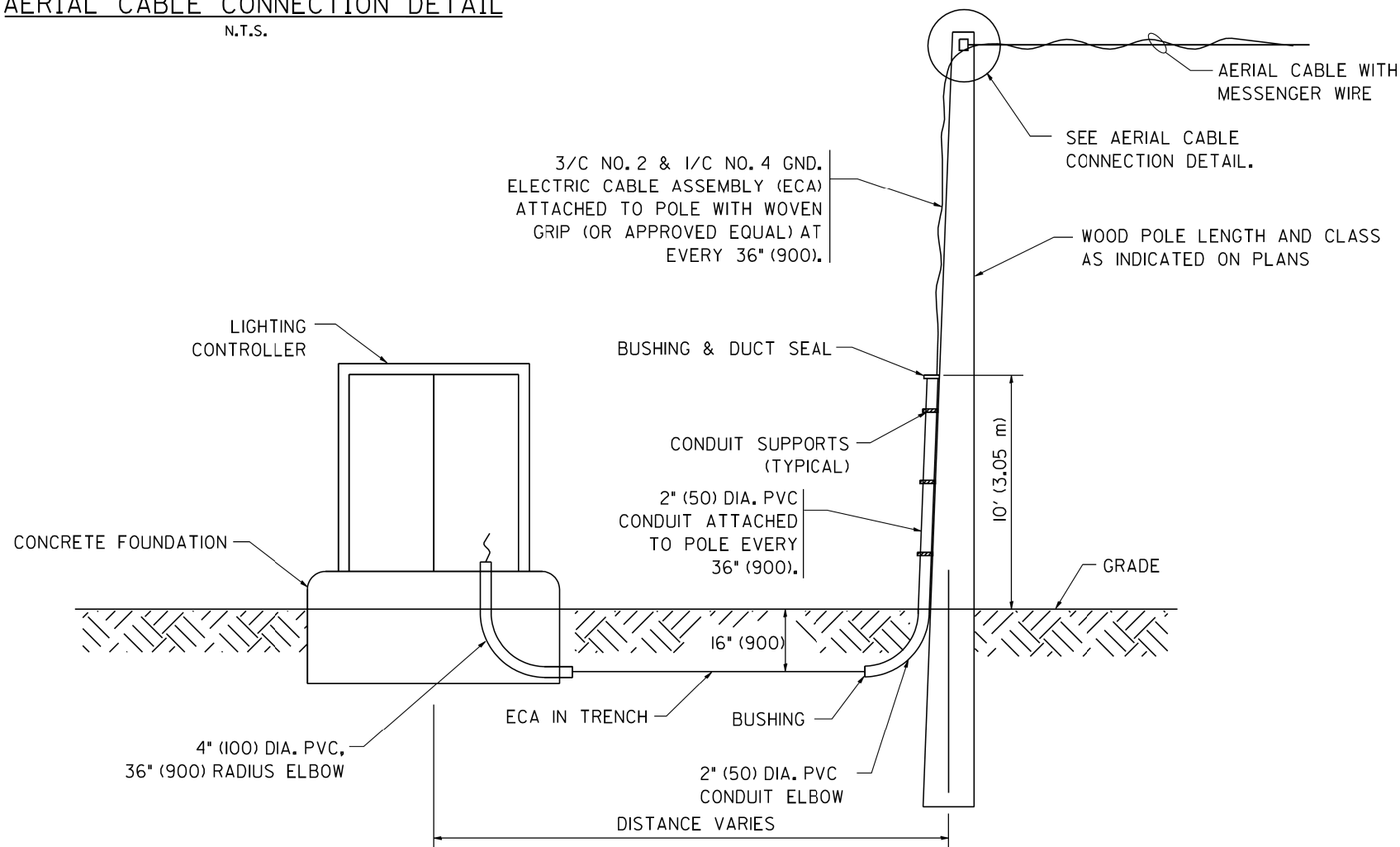
**AERIAL CABLE CONNECTION DETAIL**  
N.T.S.



**AERIAL CABLE ATTACHED TO STRUCTURE**  
NOT TO SCALE

**NOTES:**

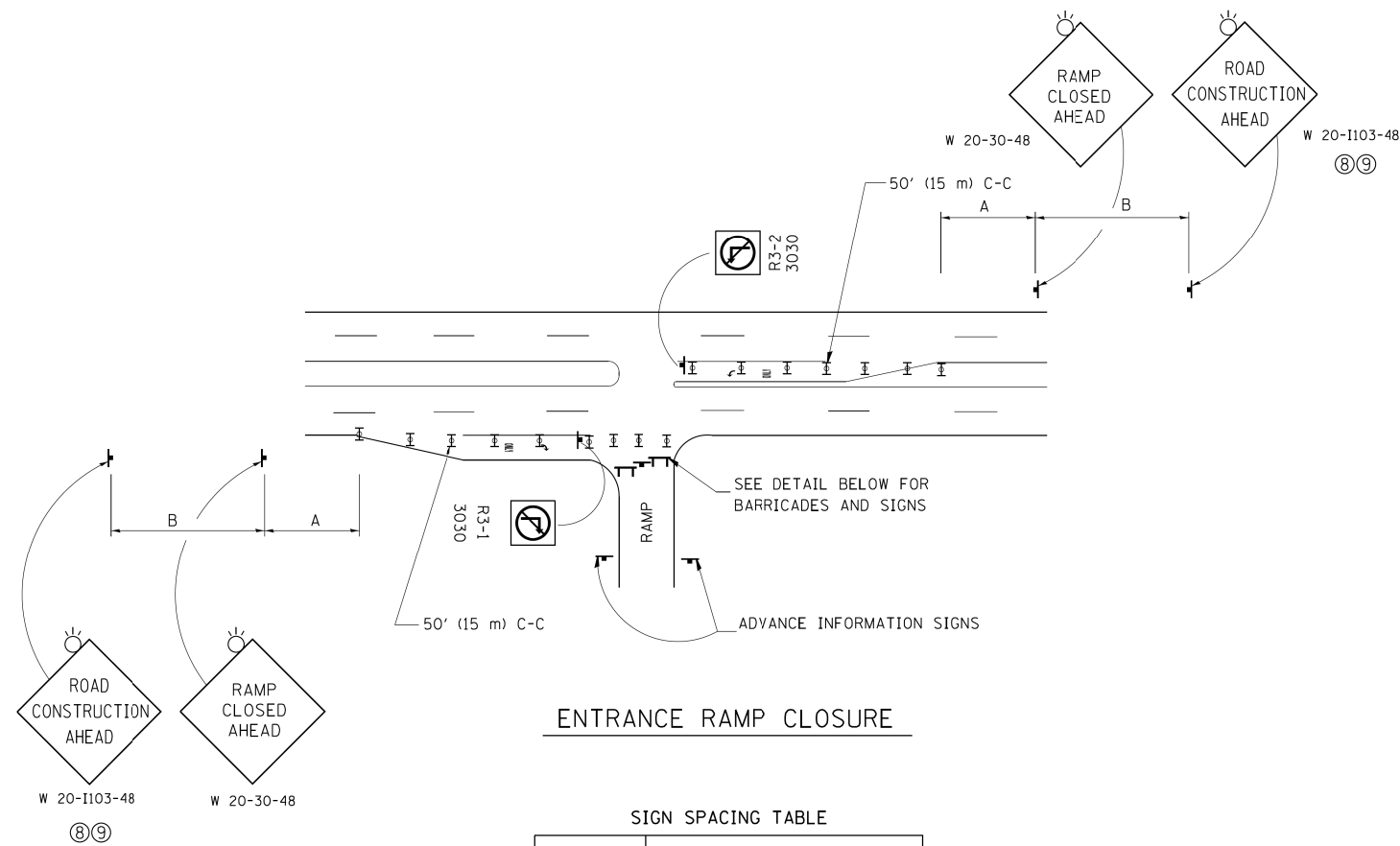
1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. SEE PROPOSED LIGHTING PLAN FOR CONDUIT, CABLE AND ROUTING.
3. THE CONTRACTOR SHALL PROVIDE INTERMEDIATE SUPPORTS TO MAINTAIN MINIMUM CLEARANCES. REFER TO AERIAL AERIAL CABLE ATTACHED TO STRUCTURE DETAIL.
4. COST OF SPLICES AND MOUNTING HARDWARE SHALL BE INCLUDED IN THE UNIT PRICE FOR AERIAL CABLE.



**WOOD POLE TO LIGHTING CONTROLLER WIRING CONNECTION DETAIL**  
N.T.S.

FILE NAME = W:\diststd\22x34\be001.dgn	USER NAME = geglionbt	DESIGNED -	REVISED - 08-08-03	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TEMPORARY AERIAL CABLE INSTALLATION</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50,000 ' / IN.	DRAWN -	REVISED -					•	2015-021-1	COOK	153	120
	PLOT DATE = 1/4/2008	CHECKED -	REVISED -		<b>BE-801</b>		CONTRACT NO. 62A75		FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT			
		DATE -	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.				

\*90/94/290

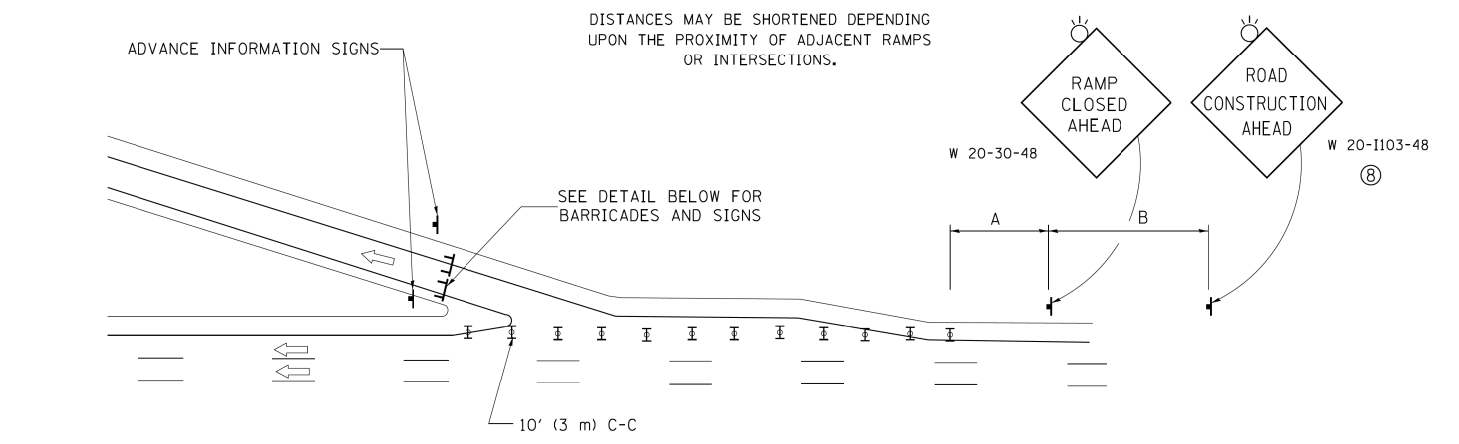


**ENTRANCE RAMP CLOSURE**

**SIGN SPACING TABLE**

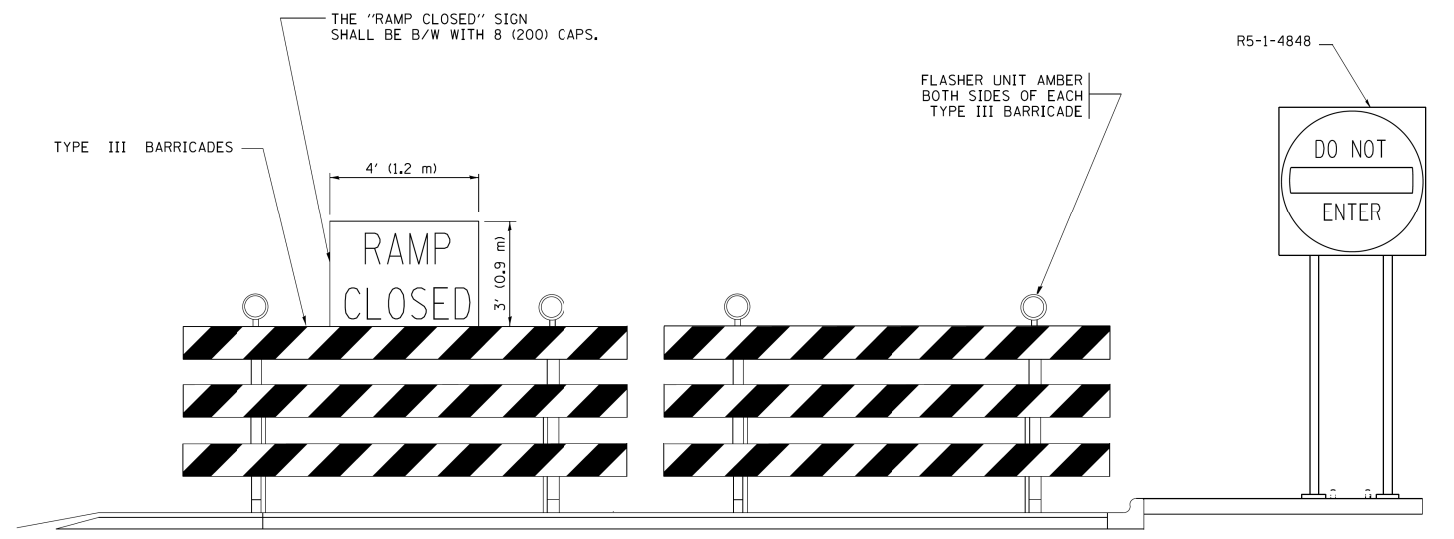
FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY ≤24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL 55 MPH	500' (150 m)	500' (150 m)
ARTERIAL 50-45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	200' (60 m)	200' (60 m)

DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



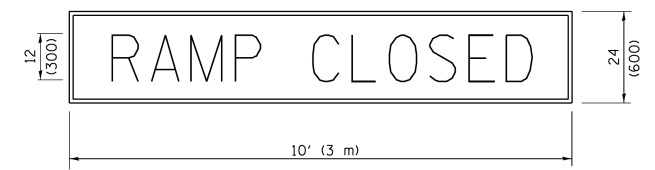
**EXIT RAMP CLOSURE**

- SYMBOLS**
- ▬ TYPE II BARRICADE OR DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT
  - ▬ TYPE III BARRICADE WITH 2 FLASHING LIGHTS



**DETAIL FOR REQUIRED BARRICADES & SIGNS**

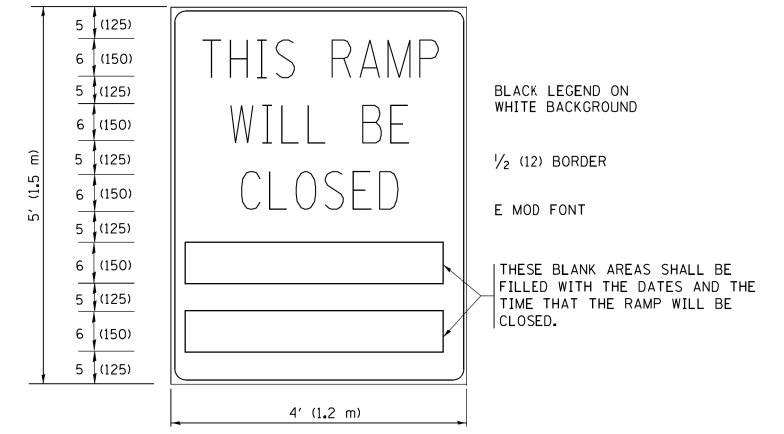
**RAMP CLOSURE ADVANCE WARNING SIGN**



BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY  
E MOD FONT  
1 (25) BORDER

THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.

**RAMP CLOSURE ADVANCE INFORMATION SIGN**



BLACK LEGEND ON WHITE BACKGROUND  
1/2 (12) BORDER  
E MOD FONT

THESE BLANK AREAS SHALL BE FILLED WITH THE DATES AND THE TIME THAT THE RAMP WILL BE CLOSED.

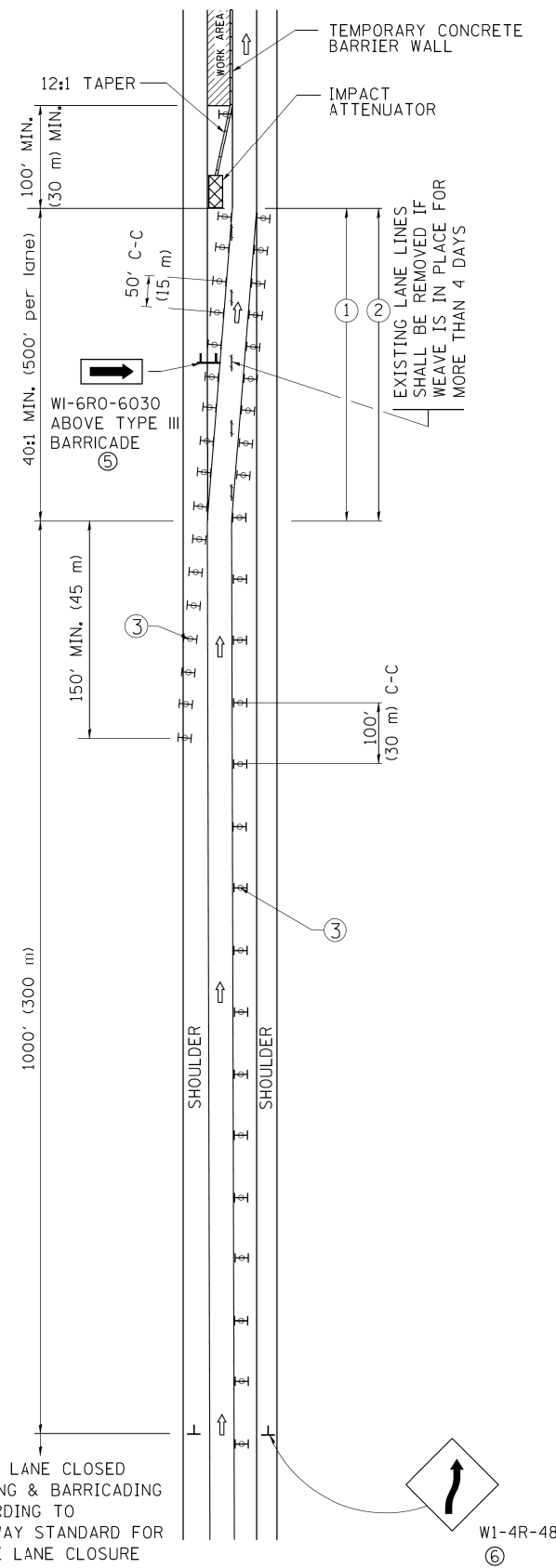
THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.  
THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

**GENERAL NOTES:**

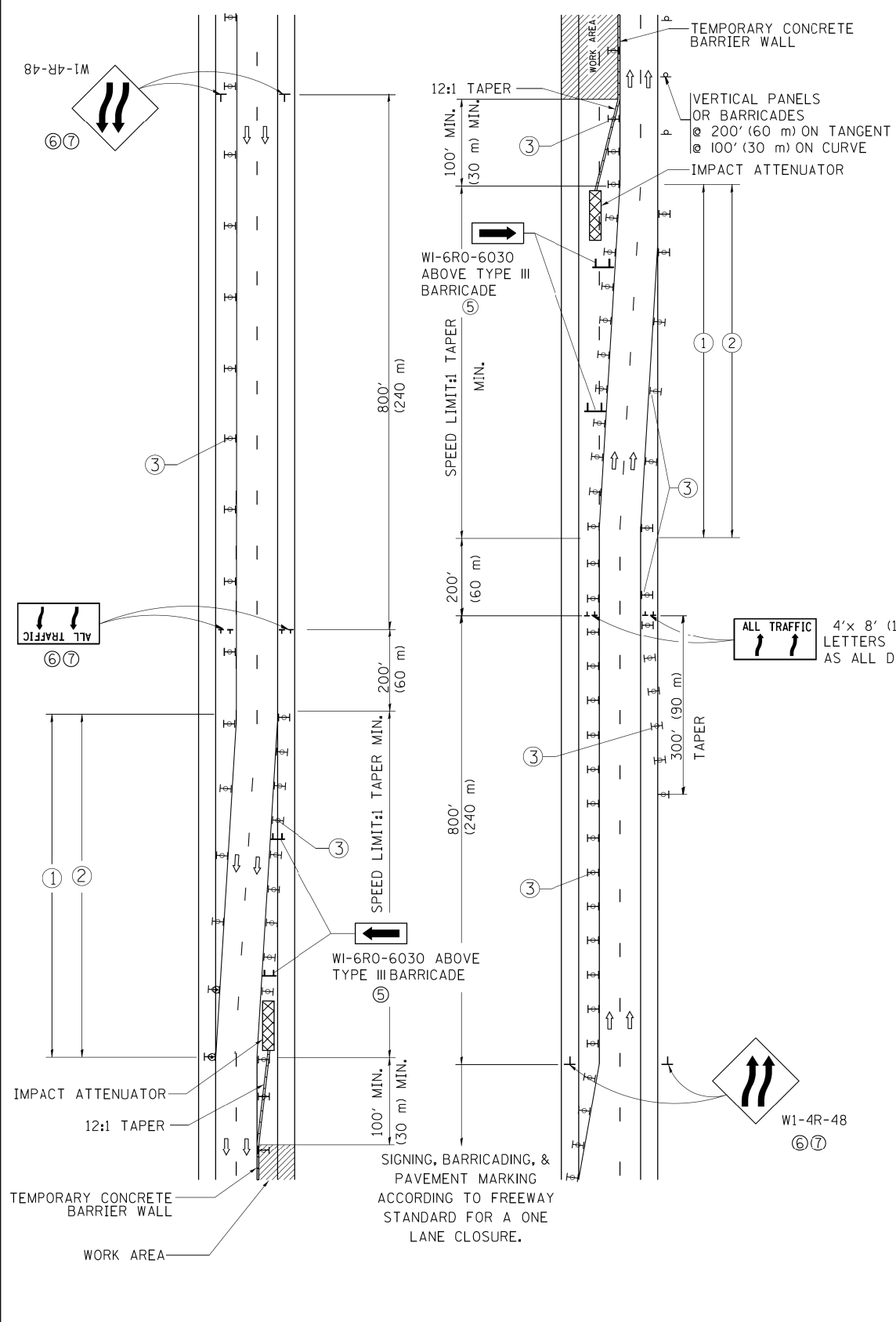
- ① CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- ② STEADY BURN LIGHTS WILL NOT BE REQUIRED FOR DAY OPERATIONS.
- ③ A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEDED BY A W20-7 FLAGGER WARNING SIGN.
- ④ ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
- ⑤ THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- ⑥ AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- ⑦ 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 FOUR (4) DAYS IN LENGTH
- ⑧ ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- ⑨ ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

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

# SINGLE LANE WEAVE



# MULTI-LANE WEAVE



### GENERAL NOTES

- ① EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED. PAVEMENT MARKING REMOVAL SHALL NOT BE REQUIRED FOR SINGLE LANE WEAVES UNDER 4 DAYS IN DURATION.
- ② CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS. THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHALL BE WHITE. FOR MULTI-LANE WEAVES LANE LINES SHALL BE 5 INCH, 10'-30' (3 m-9 m) SKIP DASH, WHITE.
- ③ PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.
- ④ ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- ⑤ TYPE III BARRICADES MAY BE OMITTED FOR SINGLE-LANE WEAVES UNDER 24-HOURS IN DURATION. W1-6 SIGNS WILL STILL BE REQUIRED. IF THE WIDTH OF OFFSET IS LESS THAN 6' THEN THE TYPE III BARRICADE WITH ATTACHED ARROW SIGN PANEL CAN BE ELIMINATED IN THE TAPER AREAS.
- ⑥ WHEN THE LENGTH OF THE SHIFTED SEGMENT (DISTANCE BETWEEN WEAVE POINTS) IS LESS THAN 1500', DOUBLE REVERSE CURVE SIGNS (W24-1) SHOULD BE USED INSTEAD OF THE REVERSE CURVE (W1-4) SIGNS. ARROWS ON THE 4'X8' "ALL TRAFFIC" SIGNS SHALL BE THE SAME SHAPE.
- ⑦ THE NUMBER OF ARROWS ON THESE SIGNS SHALL MATCH THE NUMBER OF LANES OPEN TO TRAFFIC.

### SYMBOLS

- DIRECTION OF TRAFFIC
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE II BARRICADE OR DRUM WITH MCNO-DIRECTIONAL STEADY BURNING LIGHT
- TEMPORARY CONCRETE BARRIER WALL
- IMPACT ATTENUATOR
- W24-1-48

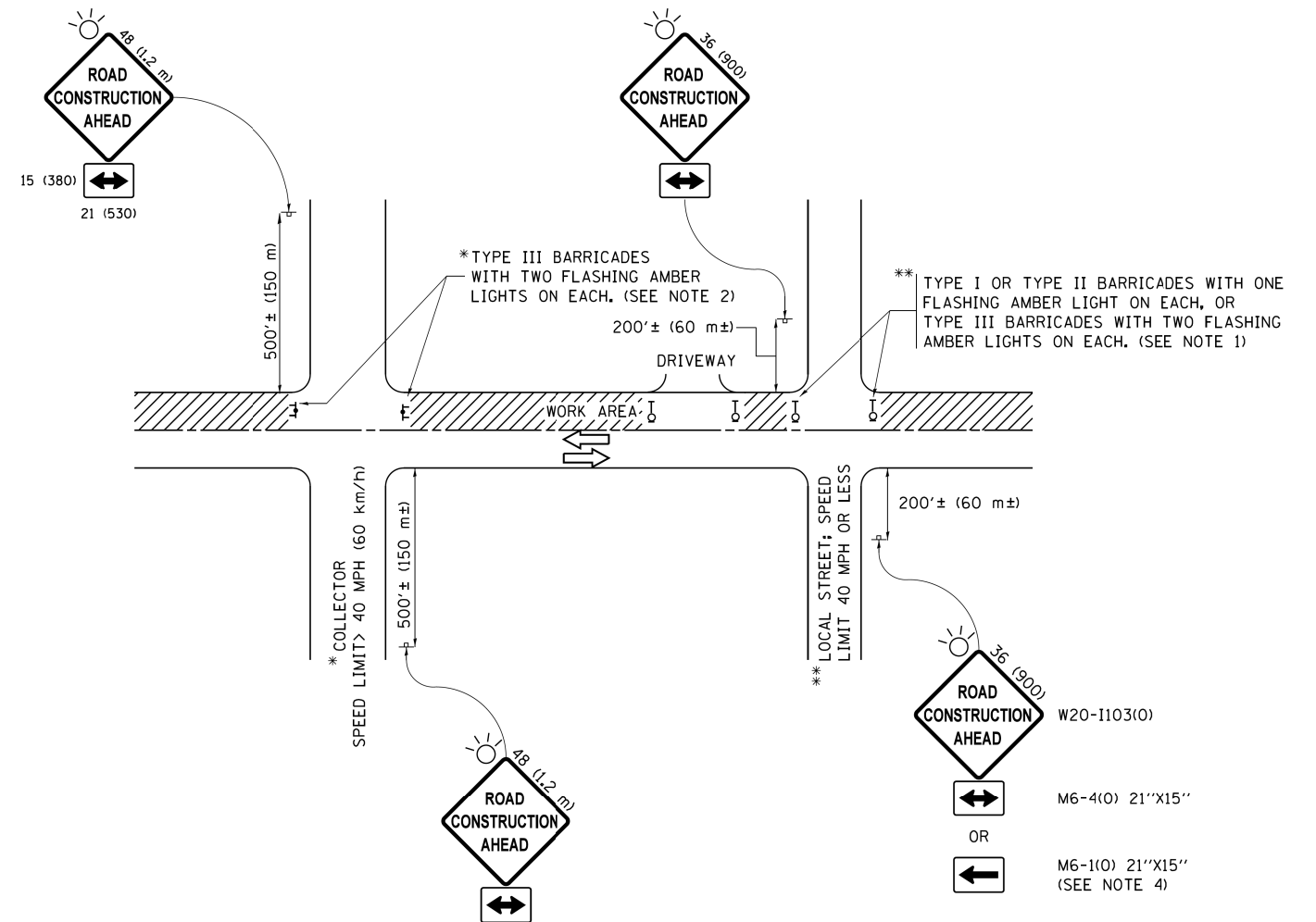
RIGHT LANE CLOSED  
SIGNING & BARRICADING  
ACCORDING TO  
FREEWAY STANDARD FOR  
A ONE LANE CLOSURE

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)  
UNLESS OTHERWISE SHOWN  
•90/94/290

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR  
FREEWAY SINGLE & MULTI-LANE WEAVE

FILE NAME = c:\pwwork\pwwork\footemj\d0108315\tc09.sgn	USER NAME = footemj	DESIGNED - DWS	REVISED - JAF 02-06	SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 50,000' / in.	CHECKED -	DATE - 02-87	REVISED - SPB 01-07				•	2015-021-1	COOK	153	122
PLOT DATE = 7/1/2013	CHECKED -	DATE -	REVISED - SPB 12-09				TC-09		CONTRACT NO. 62A75		
	CHECKED -	DATE -	REVISED - MD 06-13				FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				



**NOTES:**

- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) 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 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) 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.
- CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- 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).
- WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

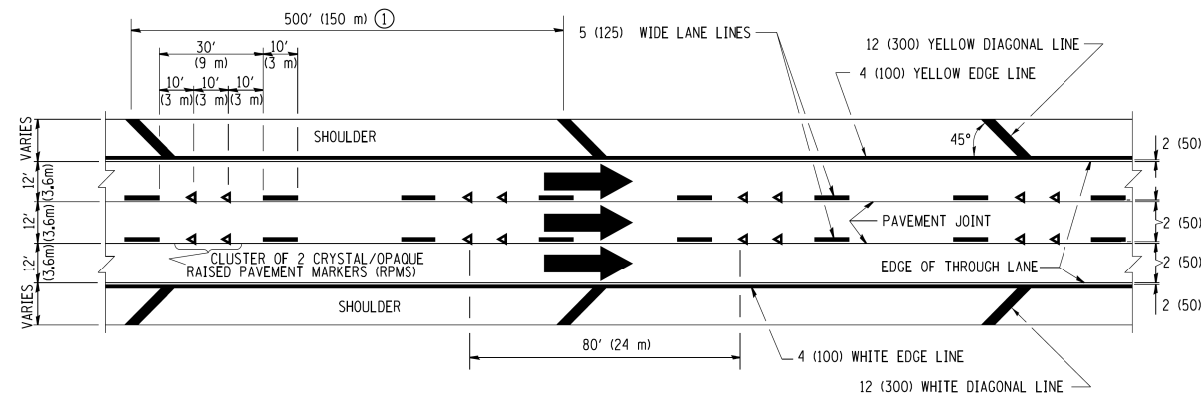
\*90/94/290

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

FILE NAME =	USER NAME = foatemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
pw:\IL084EBIDINTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District \Projects\Dist...		DRAWN - CADData\CADsheets\to18.dgn	REVISED - T. RAMMACH 01-06-00
Default	PLOT SCALE = 50,000' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 9/15/2016	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

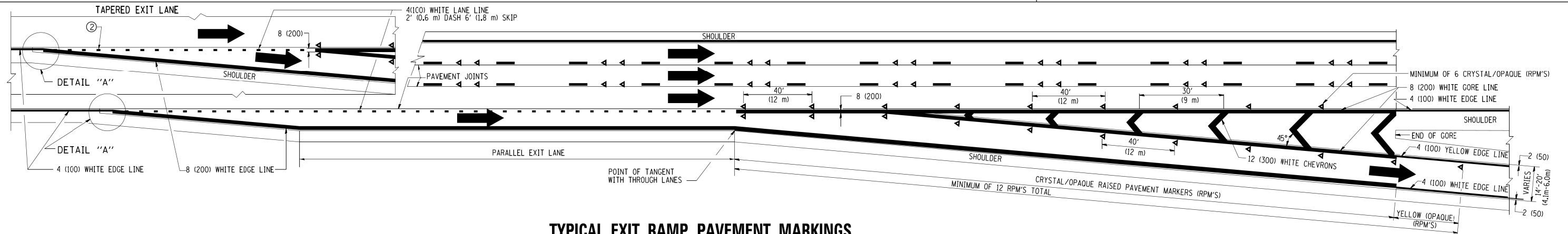
SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
						*	2015-021-1	COOK	153	123
							TC-10			CONTRACT NO. 62A75
							ILLINOIS FED. AID PROJECT			



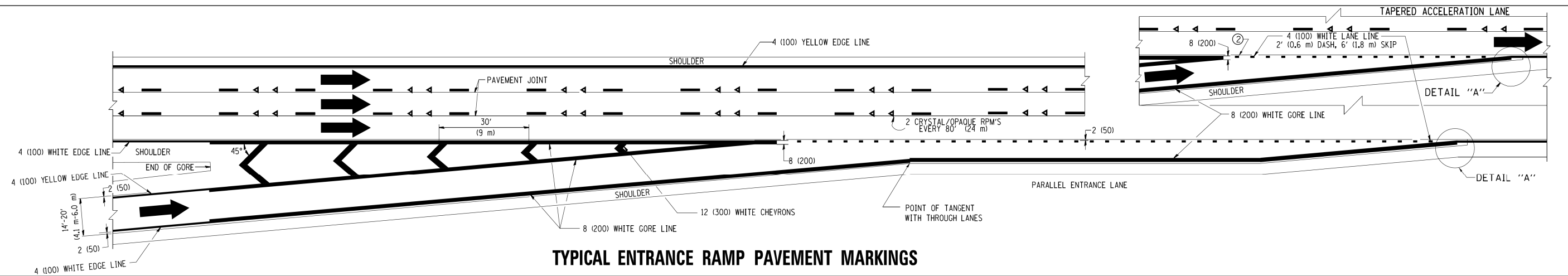
**TYPICAL EDGE LINES & LANE LINES**

**PAVEMENT MARKING MATERIALS**

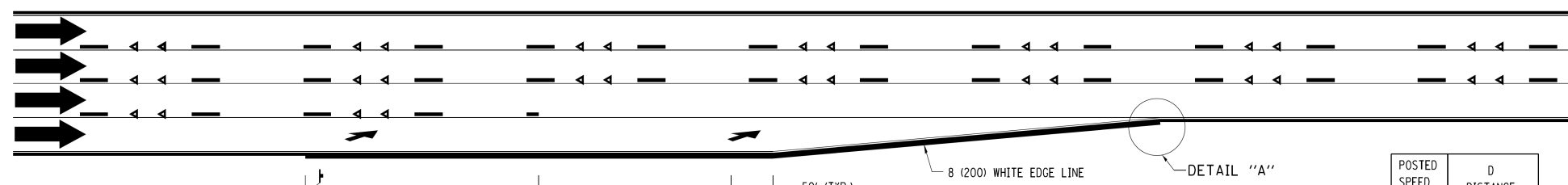
1. THERMO PLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR THE EDGE LINES, GORE LINES, AND DIAGONAL LINES ON BITUMINOUS PAVEMENT ONLY.
2. PREFORMED PLASTIC TYPE B PAVEMENT MARKING LINE; INLAID OR GROOVED IN SHALL BE USED FOR ALL LANE LINES ON HMA PAVEMENT PROJECTS.
3. POLYUREA PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON PCC PROJECTS.



**TYPICAL EXIT RAMP PAVEMENT MARKINGS**



**TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS**

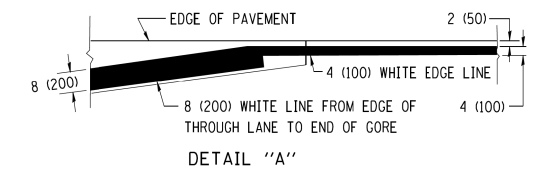


**LANE REDUCTION PAVEMENT MARKINGS**

POSTED SPEED LIMIT	D DISTANCE
45 MPH	750' (230 m)
55 MPH	950' (290 m)
65 MPH	1200' (365 m)

**NOTES:**

- ① THE DIAGONAL LINES SHALL BE SPACED AT 40' (12 m) C-C ACROSS ALL STRUCTURES WHICH ARE 500' (150 m) OR LESS IN LENGTH. THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 6' (1.8 m) OR LESS IN WIDTH.
- ② 4" (2' DASH, 6' SKIP) MARKING ON TAPERED ENTRANCE AND EXIT RAMP SHALL BE OMITTED ON TANGENT SECTIONS.



**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MULTI-LANE FREEWAY  
PAVEMENT MARKING DETAILS**

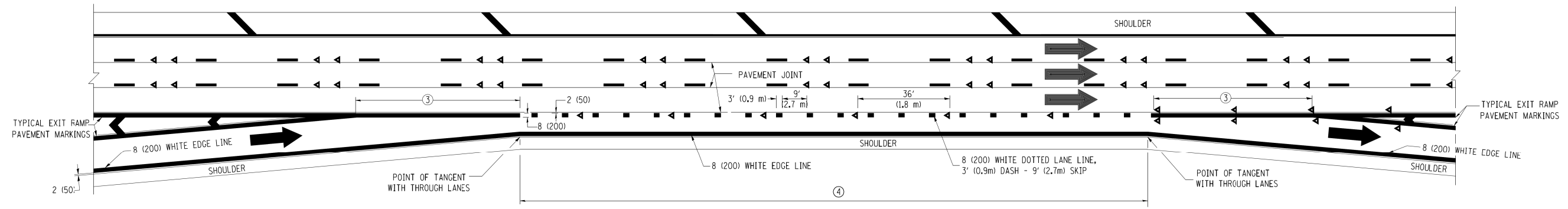
•90/94/290

FILE NAME =	USER NAME = foatemj	DESIGNED - D.W.S.	REVISED - J.A.F. 02-06
cs:\pwwork\pwwork\foatemj\d0108315\tcl2.dgn		DRAWN -	REVISED - S.P.B. 01-07
	PLOT SCALE = 50,000' / in.	CHECKED -	REVISED - S.P.B. 01-10
	PLOT DATE = 7/8/2013	DATE - 01-90	REVISED - M.D. 05-13

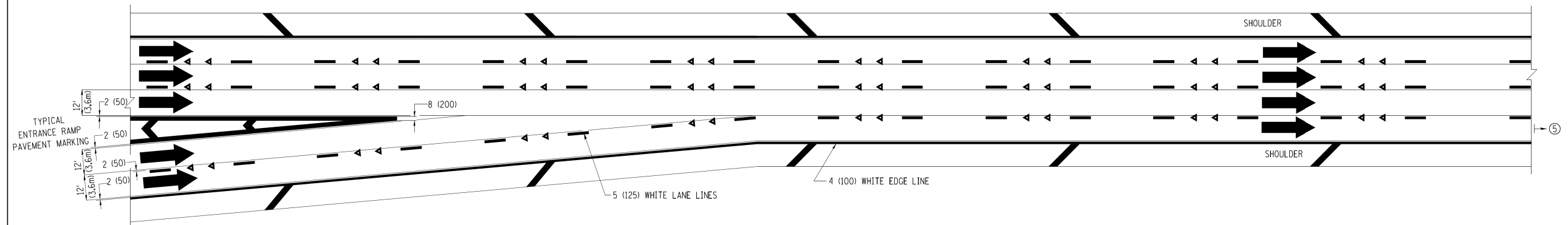
SCALE: NONE SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-12		CONTRACT NO. 62A75		
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				

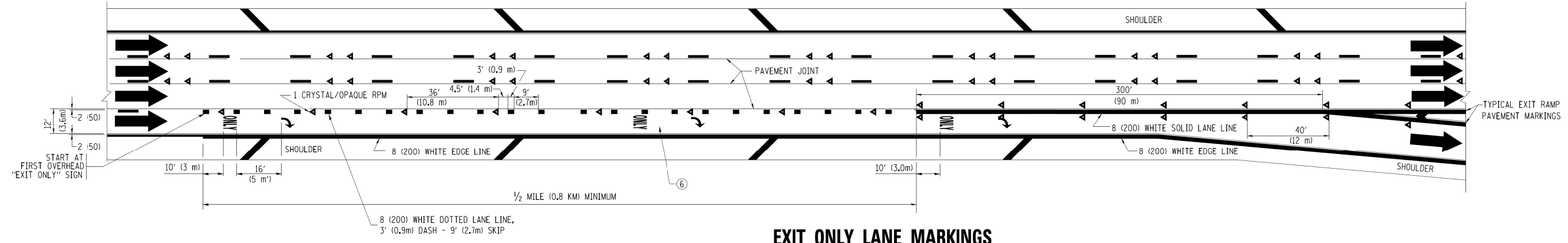




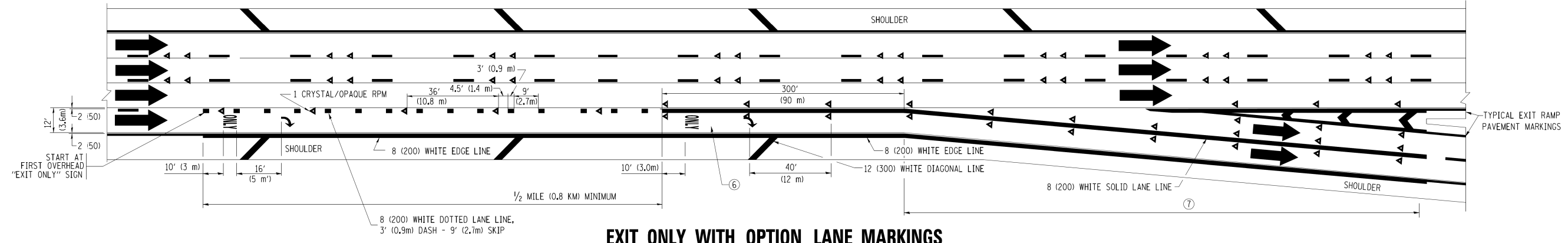
**AUXILIARY LANE MARKINGS**



**TWO LANE ENTRANCE RAMP WITH MERGE MARKINGS**



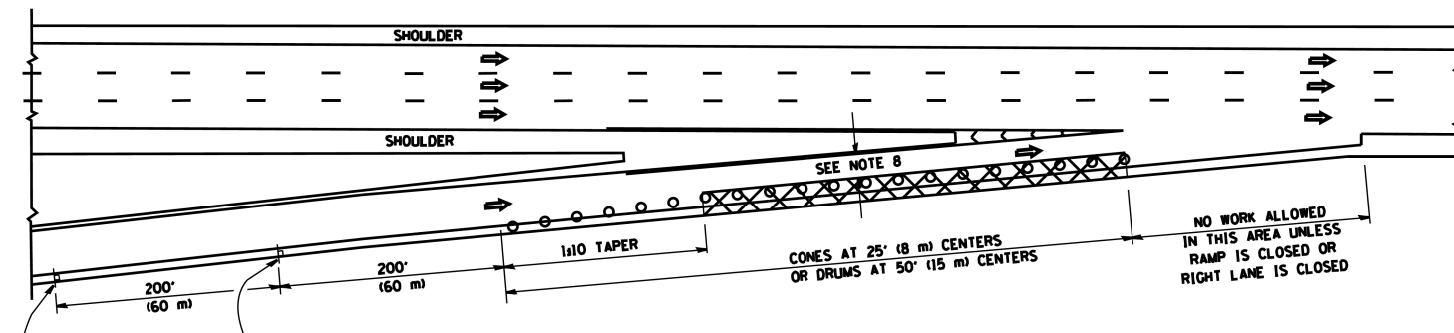
**EXIT ONLY LANE MARKINGS**



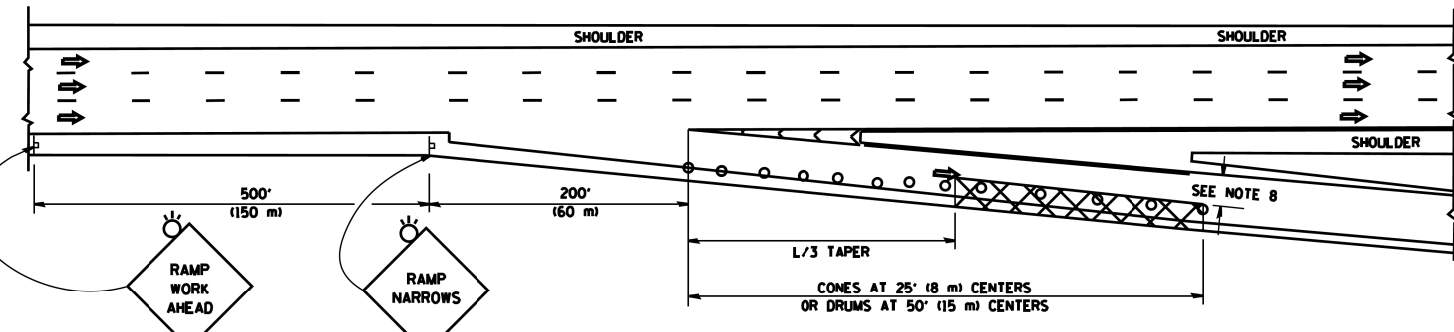
**EXIT ONLY WITH OPTION LANE MARKINGS**

- NOTES
- ③ OMIT WHEN LENGTH OF AUXILIARY LANE IS LESS THAN 500' (150 m).
  - ④ 8-INCH WIDE DOTTED LANE LINE MARKINGS SHALL BE USED WHEN THE LENGTH OF THE AUXILIARY LANE IS 2 MILES OR LESS.
  - ⑤ FOR TWO-LANE ENTRANCE RAMP, IF RIGHT LANE ENDS, USE TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS.
  - ⑥ ONLY AND ARROWS EQUALLY SPACED, 500' (150 m) MAXIMUM SPACING. FULL SIZE LETTERS AND ARROW SHALL BE USED.
  - ⑦ CONTINUE 8" SOLID LANE LINE THROUGH EXIT TO END OF PAVED GORE.

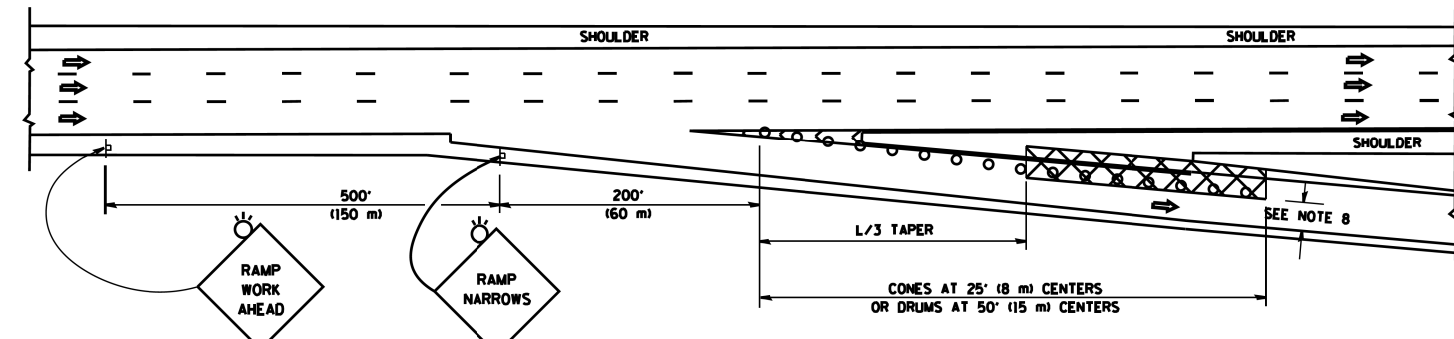
**PARTIAL RAMP CLOSURE DETAILS**



**TYPICAL ENTRANCE RAMP**



**TYPICAL EXIT RAMP**



**TYPICAL EXIT RAMP**

**SYMBOLS**

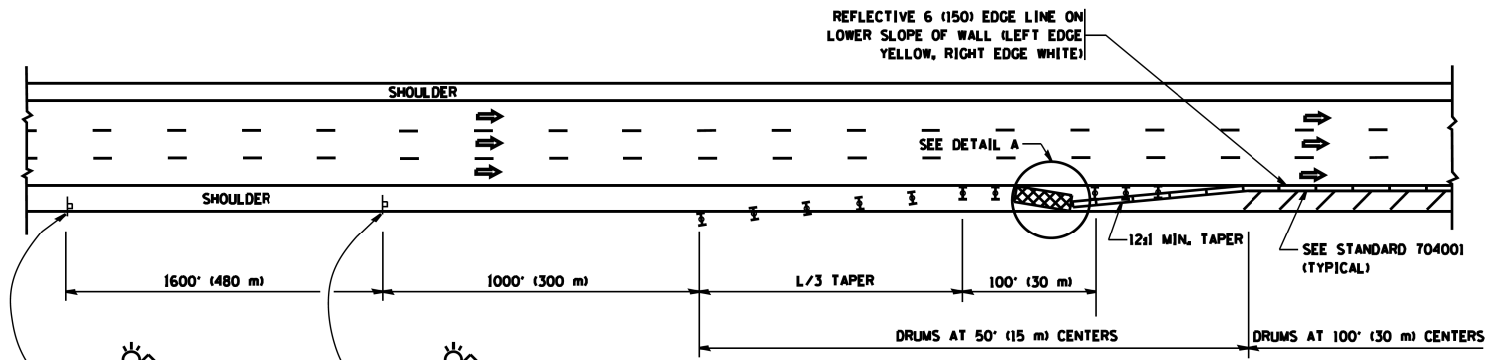
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

**GENERAL NOTES**

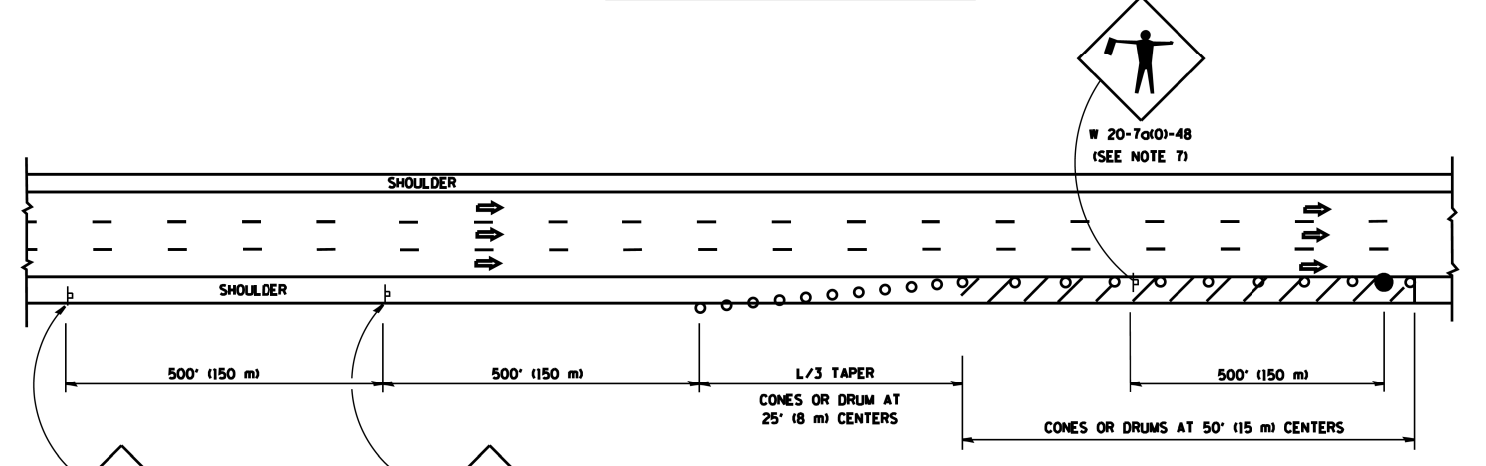
1. THE "L" DISTANCE EQUALS:
 

SPEED LIMIT	FORMULAS
45 mph (80 km/h) OR GREATER:	METRIC ENGLISH
	$L=0.65(WXS)$ $L=(WXS)$
	W = WIDTH OF OFFSET IN FEET (METERS)
	S = NORMAL POSTED SPEED MPH (KM/H)
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.
5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
  - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
  - b. THE WORK ACTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
8. 12' MIN. WIDTH TANGENT SECTION  
16' MIN. WIDTH CURVE SECTION.

**SHOULDER CLOSURE DETAILS**



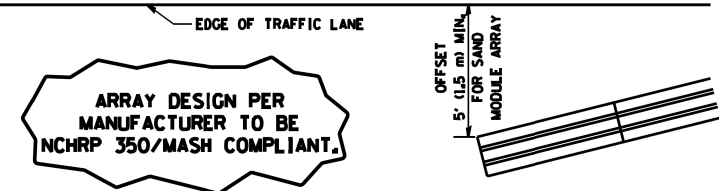
**PERMANENT SHOULDER CLOSURE**



**DAYTIME SHOULDER CLOSURE**

THIS DETAIL IS USED WHERE:

1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



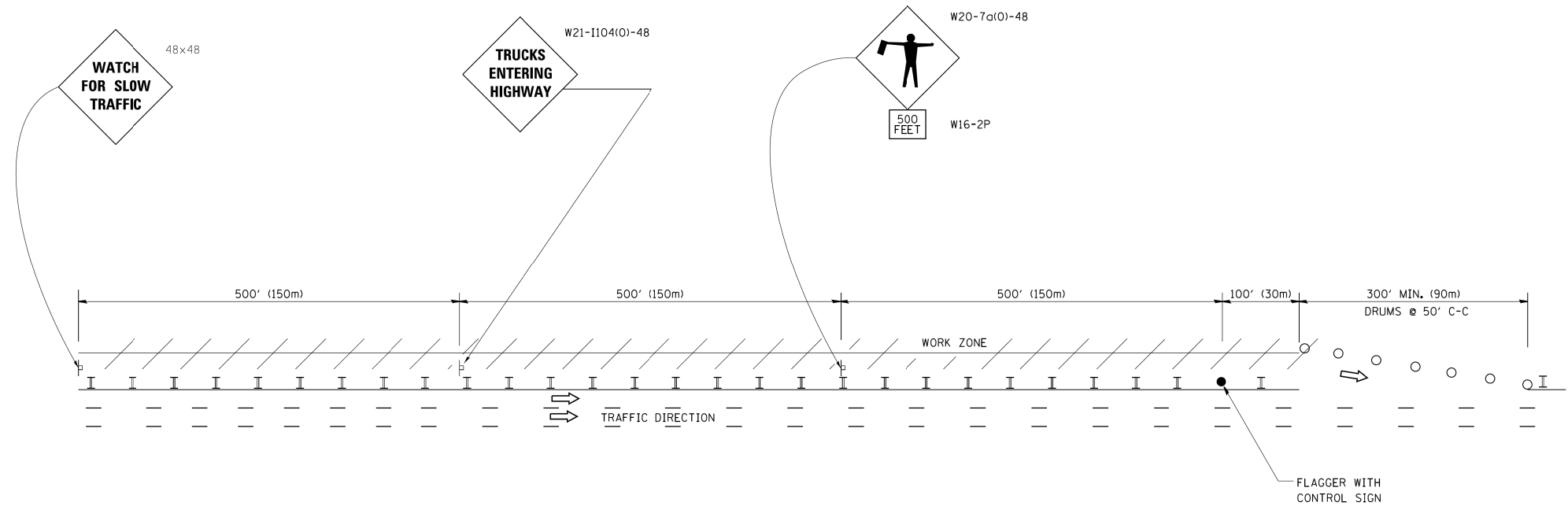
**DETAIL "A" IMPACT ATTENUATOR, TEMPORARY (SEE NOTE 5)**

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

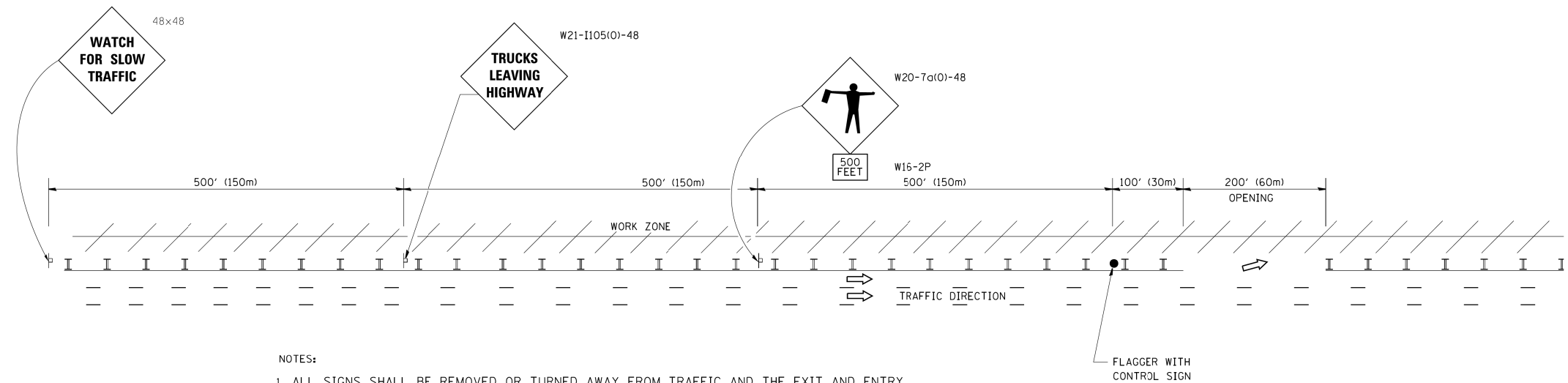
FILE NAME =	USER NAME = lcyso	DESIGNED -	REVISED - J.A.F. 12-06	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
es\pw_work\p\dot\lcyso\d0188315\tcl7.dgn		DRAWN - D.W.S.	REVISED - S.P.B. 01-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	2015-021-1	COOK	153	126	
		CHECKED -	REVISED - S.P.B. 12-09		STA.	TO STA.	TC-17	CONTRACT NO. 62A75			
		DATE - 11-96	REVISED - M.D. 06-13		FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT						

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING



NOTES:

1. ALL SIGNS SHALL BE REMOVED OR TURNED AWAY FROM TRAFFIC AND THE EXIT AND ENTRY OPENINGS SHALL BE CLOSED WHEN THE FLAGGING OPERATION CEASES. NON OPERATING EQUIPMENT SHALL COMPLY WITH ARTICLE 701.11
2. WORK ZONE OPENINGS SHALL BE A MINIMUM OF ONE HALF MILE APART AND A MINIMUM OF ONE QUARTER MILE FROM ALL ENTRANCE AND EXIT RAMP.
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
5. FLAGGERS SHALL NOT STOP TRAFFIC OR DIRECT TRAFFIC INTO AN ADJACENT LANE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

\*90/94/290

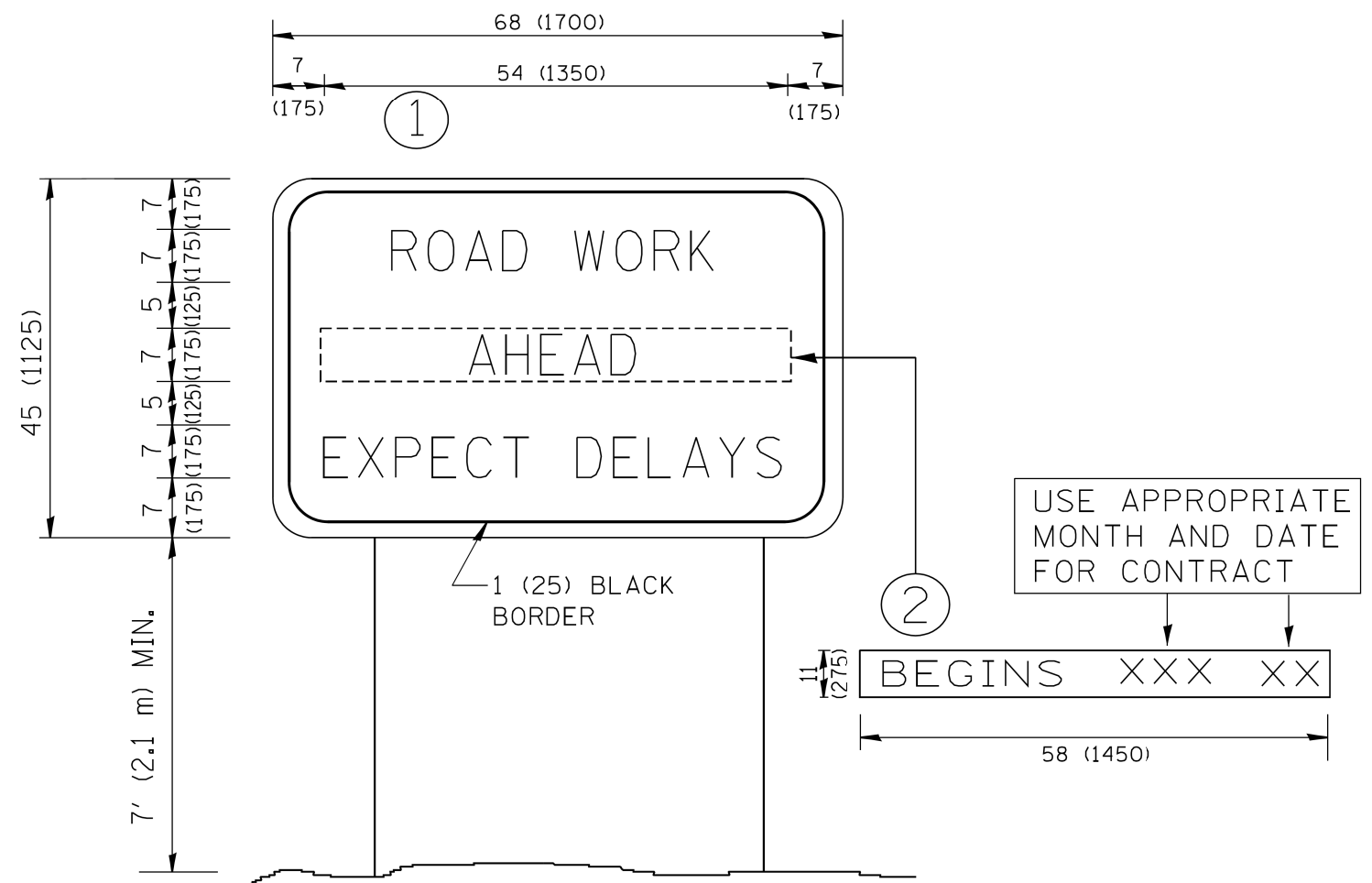
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cs\pw\work\pwidot\foatemj\d0108315\tcl8.dgn		DRAWN -	REVISED - S.P.B. 01-07
	PLOT SCALE = 50,000 ' / in.	CHECKED -	REVISED - S.P.B. 12-09
	PLOT DATE = 7/8/2013	DATE -	REVISED - M.D. 06-13

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

FREeway/EXPRESSWAY SIGNING FOR FLAGGING OPERATIONS  
AT WORK ZONE OPENINGS ON FREeway/EXPRESSWAYS

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2015-021-1	COOK	153	127
TC-18		CONTRACT NO. 62A75		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**NOTES:**

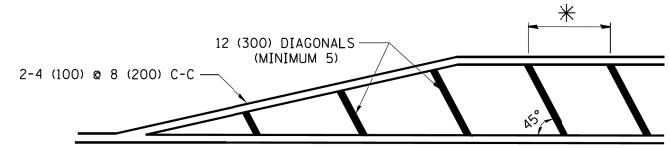
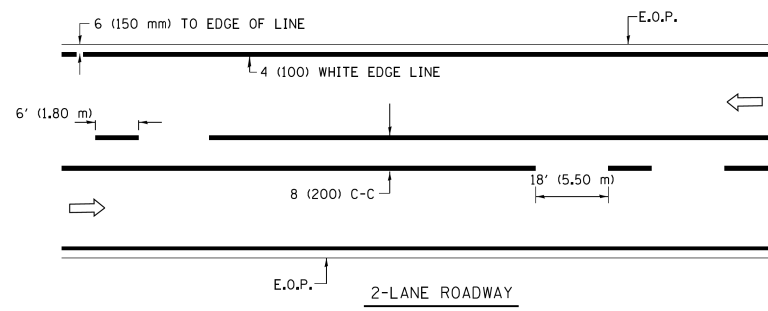
1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.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

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

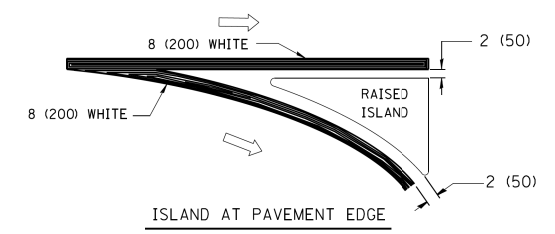
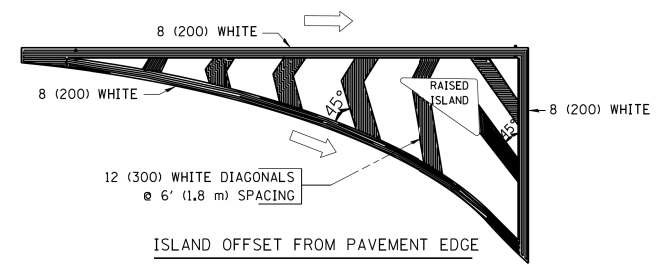
FILE NAME = W:\diststd\22x34\tc22.dgn	USER NAME = geglianobt	DESIGNED -	REVISED - R. MIRS 09-15-97	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ARTERIAL ROAD INFORMATION SIGN</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50,000 ' / IN.	DRAWN -	REVISED - R. MIRS 12-11-97			•	2015-021-1	COOK	153	128
PLOT DATE = 1/4/2008	CHECKED -	DATE -	REVISED - T. RAMMACHER 02-02-99			<b>TC-22</b>		CONTRACT NO. 62A75		
			REVISED - C. JUCIUS 01-31-07			FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				

\*90/94/290

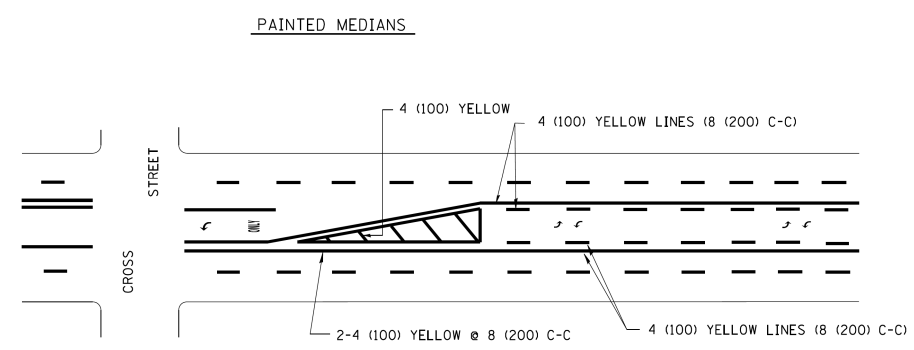
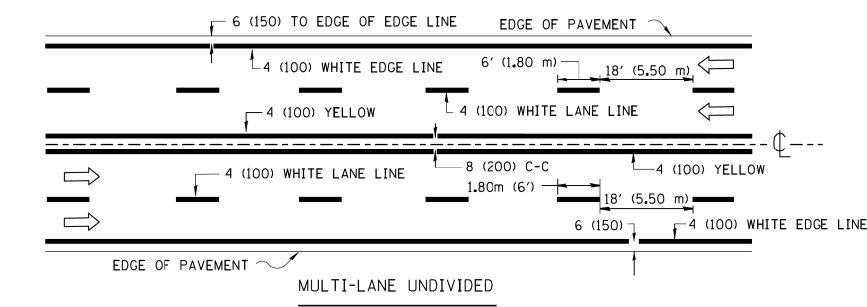
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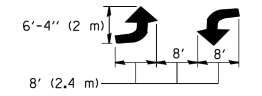
\* FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.  
 \* DIAGONAL LINE SPACING: 20' (6.1 m) C-C



TYPICAL ISLAND MARKING

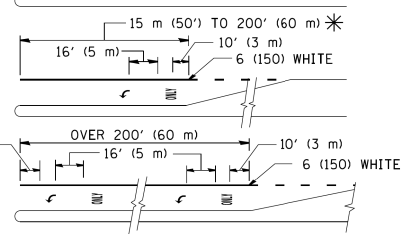
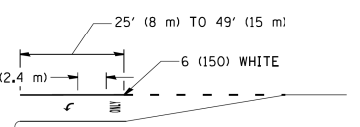
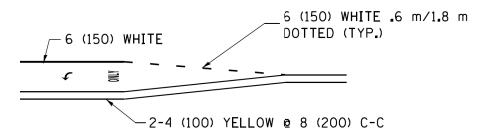
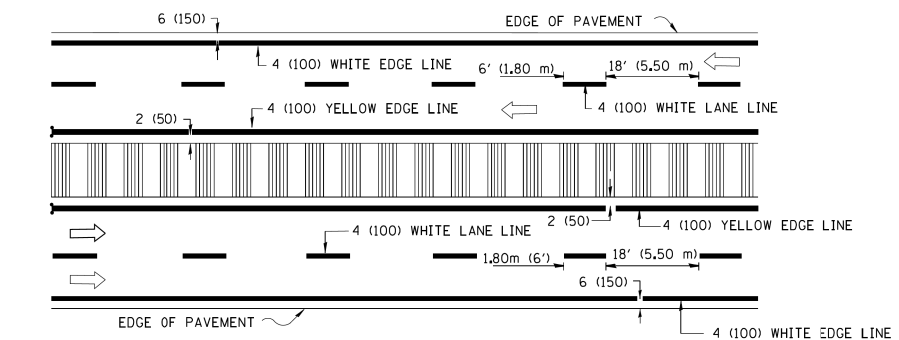


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
 AREA = 15.8 SQ. FT. (1.47 m<sup>2</sup>) ONLY AREA = 22.9 SQ. FT. (2.13 m<sup>2</sup>)

\* TURN LANES IN EXCESS OF 400' (120 m) 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

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

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 INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

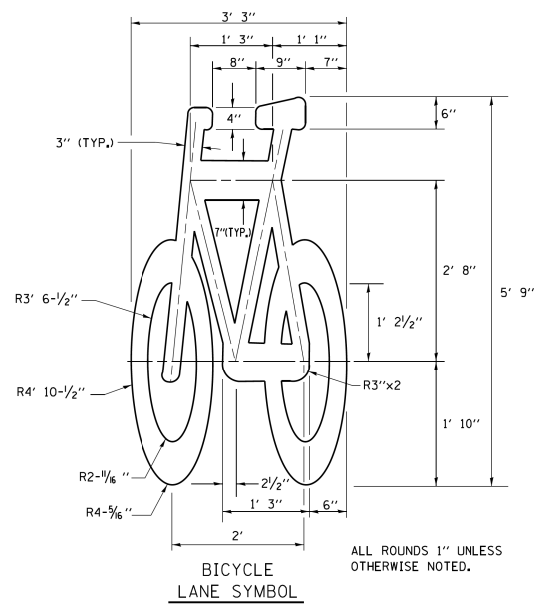
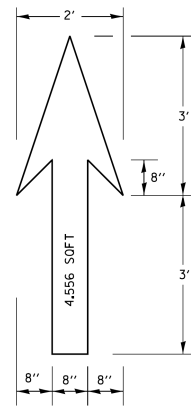
\*90/94/290

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	PLOT DATE = 3/1/2012	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

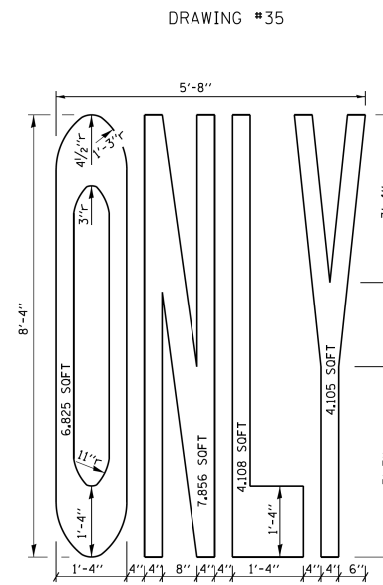
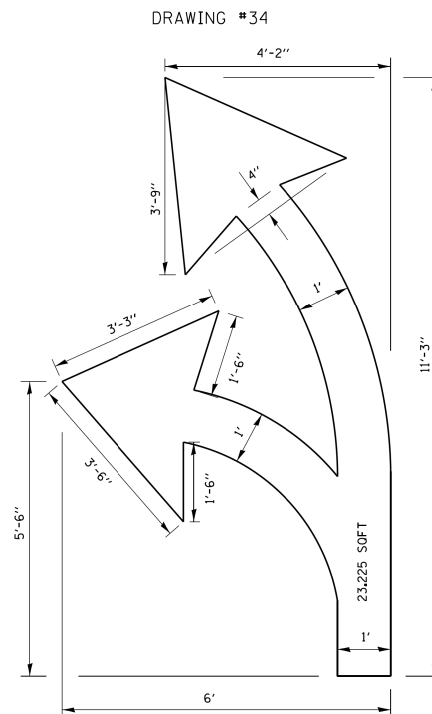
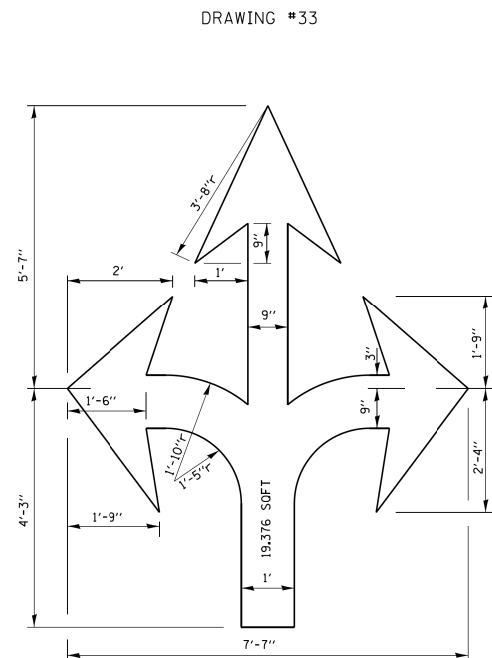
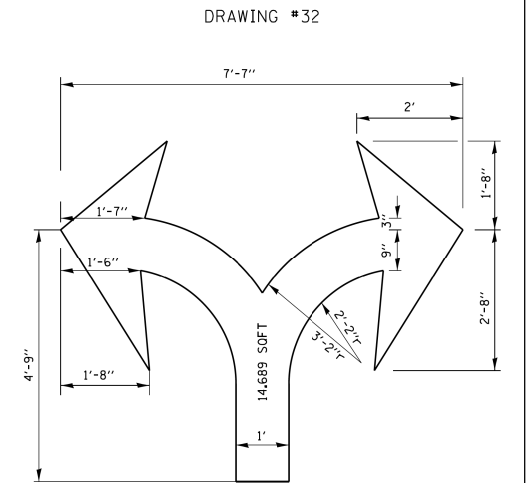
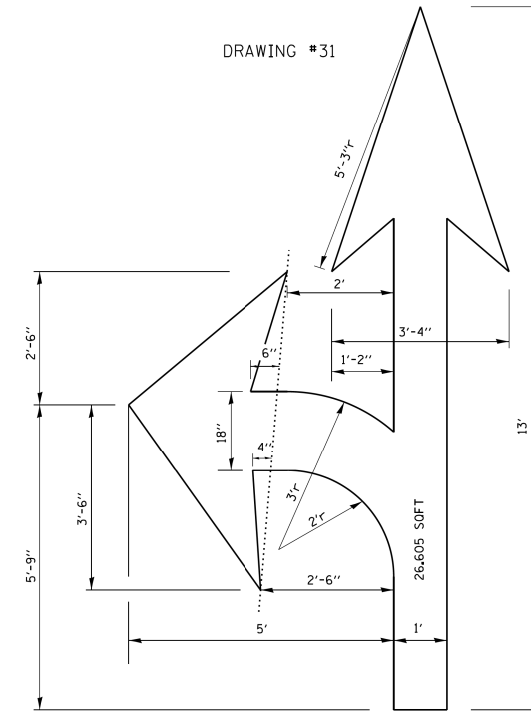
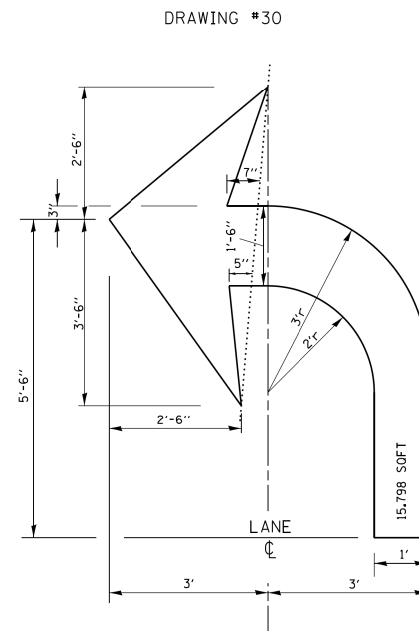
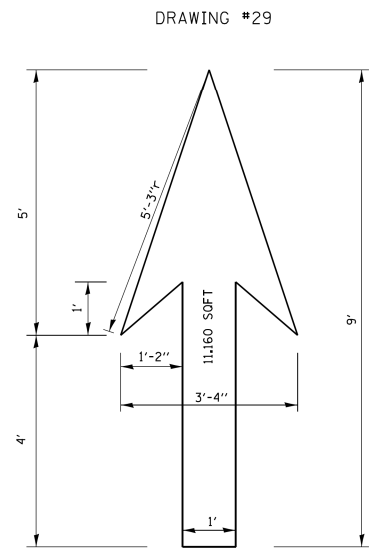
CITY OF CHICAGO TYPICAL PAVEMENT MARKINGS		
SCALE: NONE	SHEET NO. 1 OF 3 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2015-021-1	COOK	153	129
TC-24		CONTRACT NO. 62A75		
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				



- NOTE:**
- 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.
  - 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



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

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

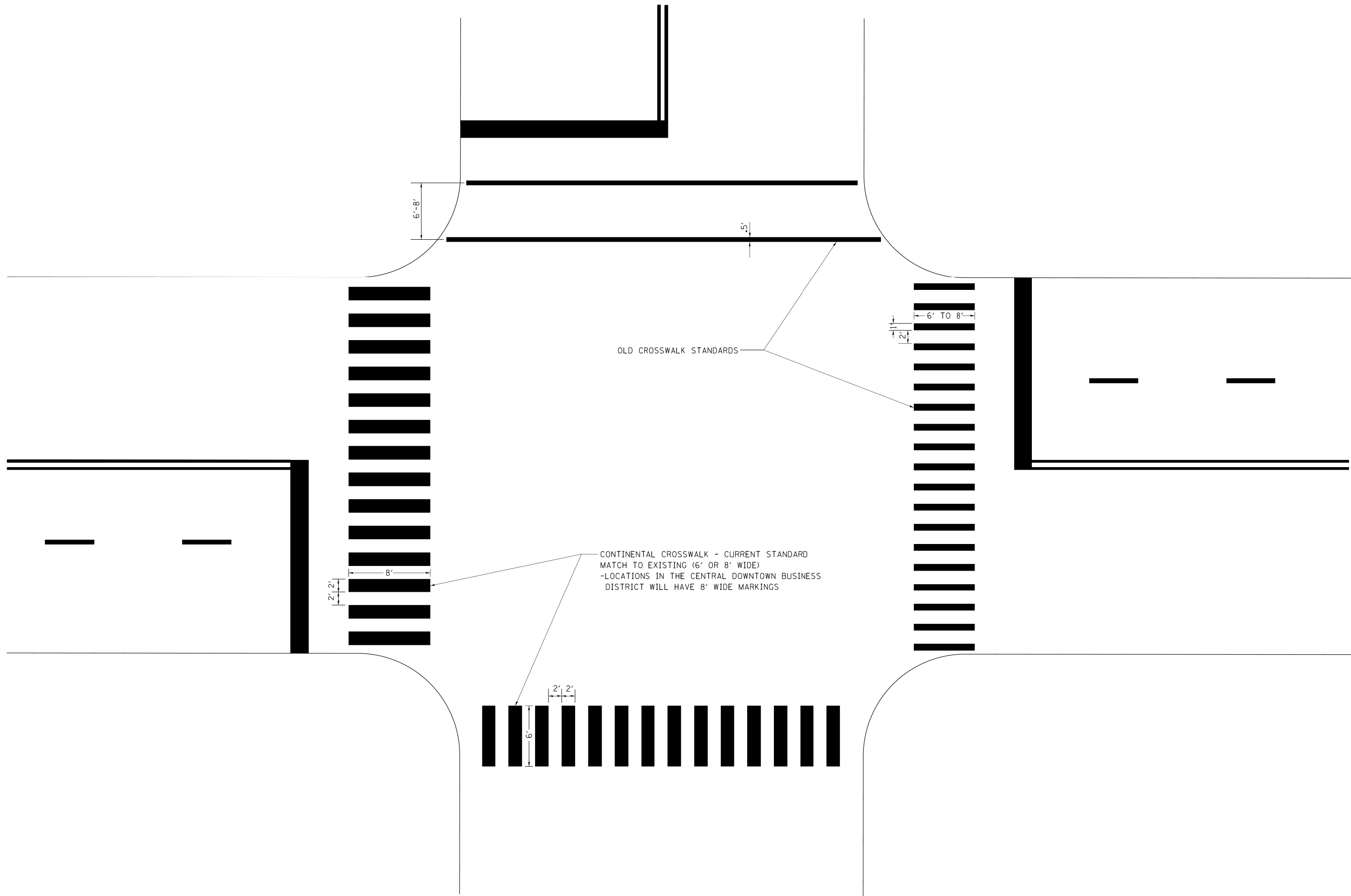
CITY OF CHICAGO  
TYPICAL PAVEMENT MARKINGS

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ct\pwork\pwork\drivakosgn\d0108315\to24.dgn		DRAWN -	REVISED - K. ENG 02-28-12
		CHECKED -	REVISED -
		DATE -	REVISED -

SCALE: NONE SHEET NO. 2 OF 3 SHEETS STA. TO STA.

\*90/94/290

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2015-021-1	COOK	153	130
TC-24		CONTRACT NO. 62A75		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



\*90/94/290

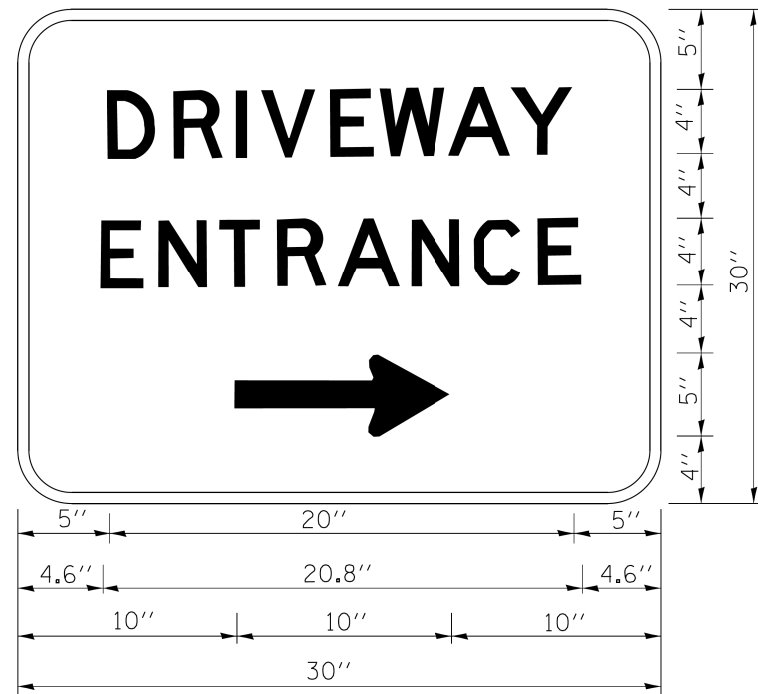
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		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CITY OF CHICAGO  
TYPICAL PAVEMENT MARKINGS**

SCALE: NONE SHEET NO. 3 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2015-021-1	COOK	153	131
TC-24		CONTRACT NO. 62A75		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED  
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

**NOTES:**

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

•90/94/290

FILE NAME = c:\pw\work\pwsdot\gaglianob\0108315\to	USER NAME = gaglianob	DESIGNED -	REVISED - C. JUCIUS 02-15-07	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRIVEWAY ENTRANCE SIGNING</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					•	2015-021-I	COOK	153	132
		PLOT SCALE = 50.000' / in.	CHECKED -		REVISED -	<b>TC-26</b>			CONTRACT NO. 62A75			
		PLOT DATE = 12/13/2012	DATE -		REVISED -	SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

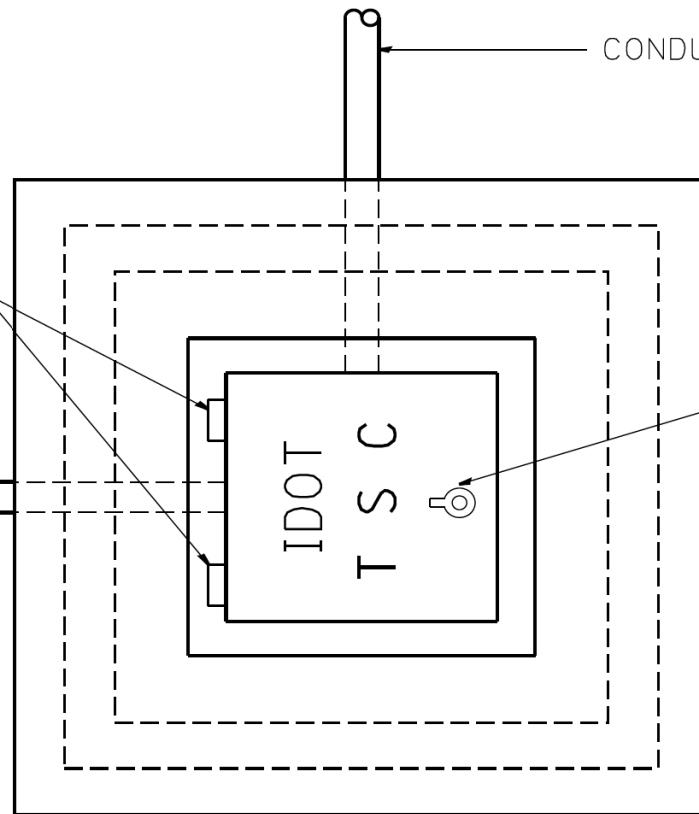


TYPE "T" HINGES REQUIRED ONLY ON  
ON HEAVY DUTY SPECIAL.

CONDUIT TYP.

CONDUIT TYP.

TYPE "G" HANDLE FOR BOTH HDHH AND HDHH SPECIAL



PLAN

HEAVY DUTY HANDHOLE MINIMUM DIMENSIONS (UNHINGED)

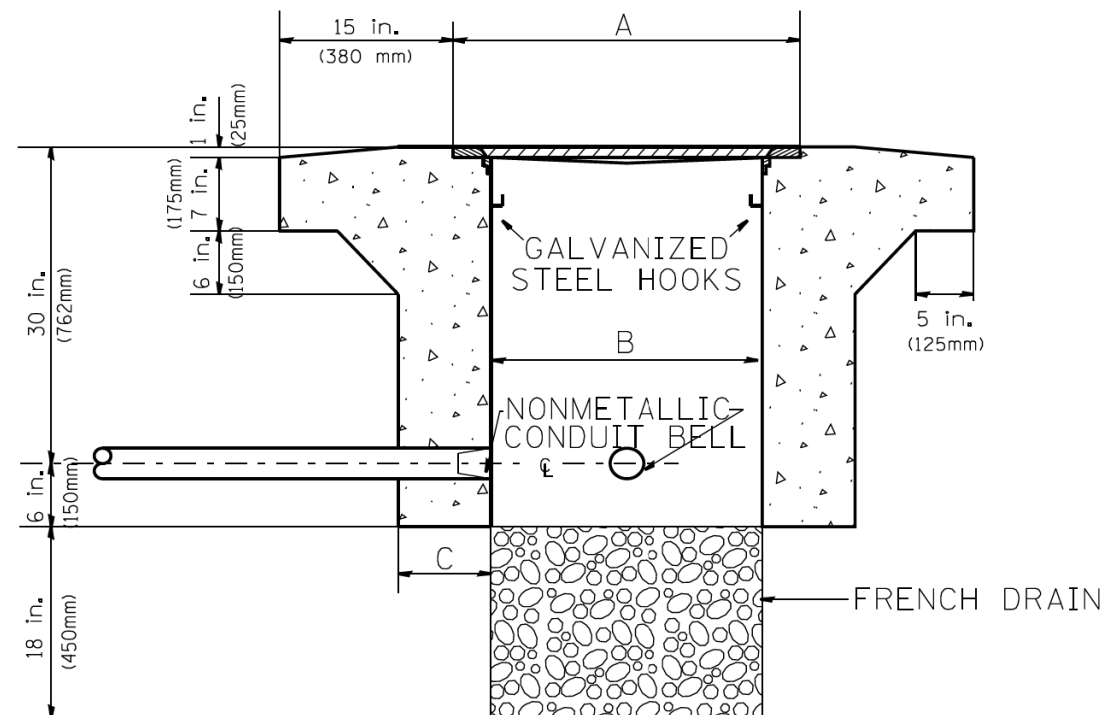
A	28" (711 mm)
B	22" (559 mm)
C	8" (200 mm)

(FRAME AND COVER 260 LBS. (118 Kg.) MIN.)

HEAVY DUTY HANDHOLE SPECIAL MINIMUM DIMENSIONS

A	31.5" (800 mm)
B	30.0" (762 mm)
C	10.0" (250 mm)

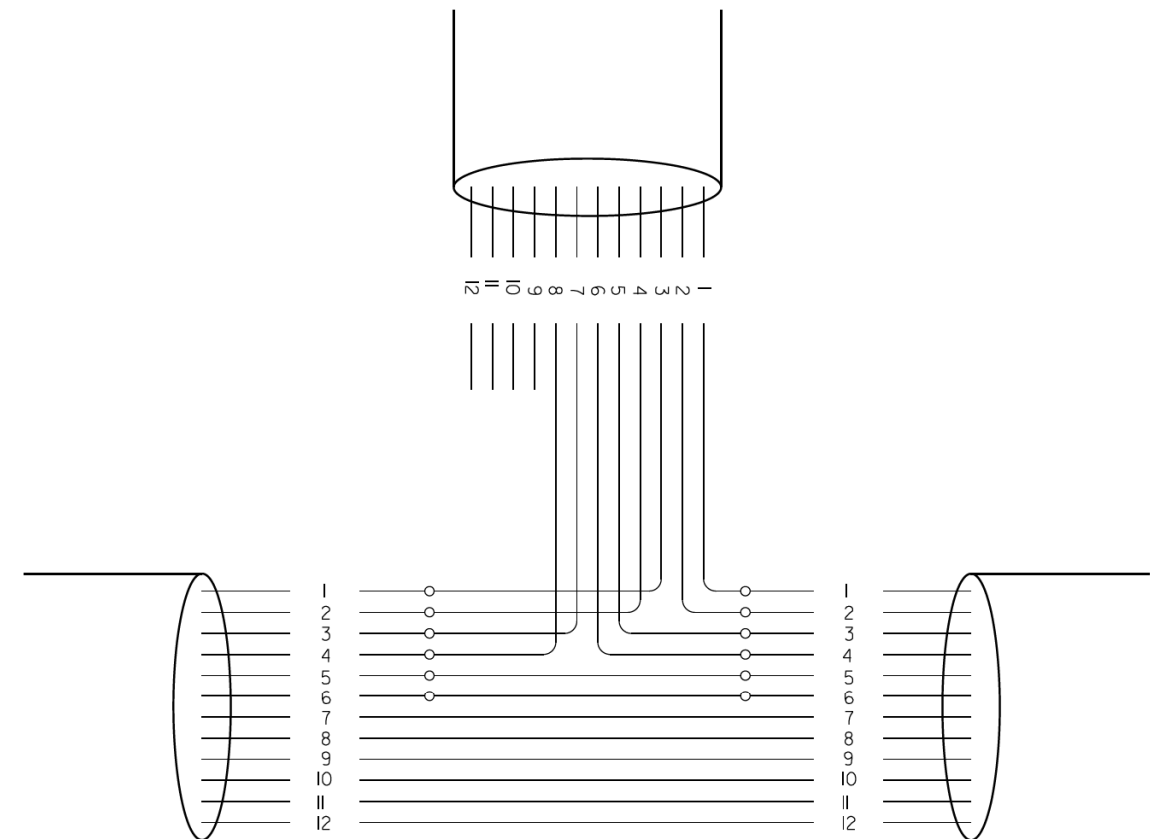
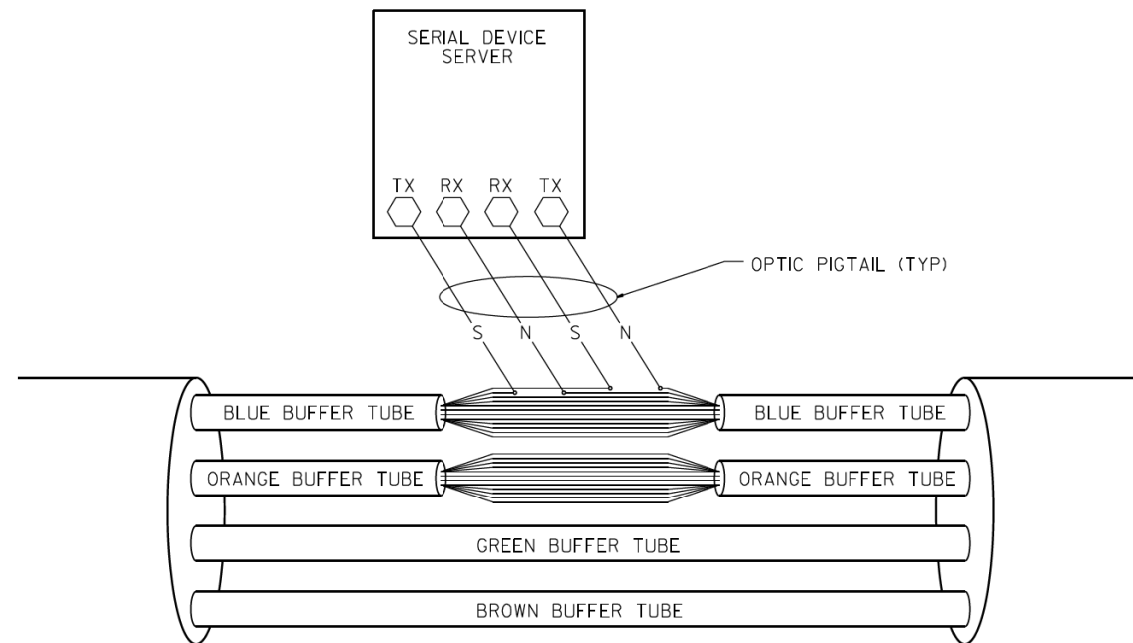
(FRAME AND COVER 405 LBS. (184 Kg. (405))



ELEVATION

PC CONCRETE - HEAVY DUTY HAND HOLE

FILE NAME =	USER NAME = mezag	DESIGNED - R.L.	REVISED - 04/97	<p align="center"><b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b> <b>TRAFFIC SYSTEMS CENTER</b></p>	PC CONCRETE - HEAVY DUTY HAND HOLE			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct\pw\work\p\sidot\mezag\d0287541\TSC400.dgn		DRAWN - G.M.	REVISED -		SCALE: NONE	SHEET NO.	OF SHEETS	STA.	TO STA.	2015-021-1	COOK	153	133
PLOT SCALE = 100.0000' / 1" =		CHECKED - R.L.	REVISED -										
PLOT DATE = 2/7/2013		DATE - 09/11/96	REVISED -										
								*90/94/290		CONTRACT NO. 62A75			
								FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			



PHYSICAL SPLICE DETAILS (TYP)  
(NOT TO SCALE)

FIBERS		FUNCTION	APPLICATION DESCRIPTION
FIBER NO.	COLOR CODE		
1	BLUE	IN TX	DATA CIRCUIT
2	ORANGE	IN RX	
3	GREEN	OUT RX	
4	BROWN	OUT TX	
5	SLATE	IN TX	DMS
6	WHITE	IN RX	
7	RED	OUT RX	
8	BLACK	OUT TX	
9	YELLOW	IN TX	CCTV
10	VIOLET	IN TX	
11	ROSE	OUT RX	
12	AQUA	OUT TX	

NOTE:

I.- THIS DIAGRAM IS PROVIDED FOR ILLUSTRATION PURPOSES ONLY AND DEPICTS A TYPICAL FIBER OPTIC SPLICE.

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\$FILEL\$		DRAWN - G.M.	REVISED -			*	2015-021-1	COOK	153	134	
\$MODELNAME\$		CHECKED - J.G.	REVISED -			SCALE: NONE	SHEET	OF	SHEETS	STA.	TO STA.
		DATE - 12/29/09	REVISED -								
						FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT	

\*90/94/290

TRAFFIC SYSTEMS CENTER 4TY-ITSC-400#41)

# SHEET LEFT INTENTIONALLY BLANK

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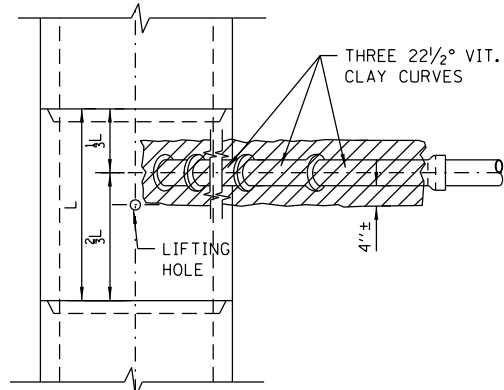


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PLOT DATE = 3/20/2017	DATE - 03/21/2017	REVISED -

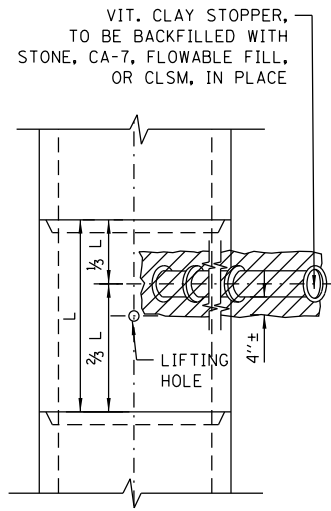
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET OF SHEETS STA. TO STA.

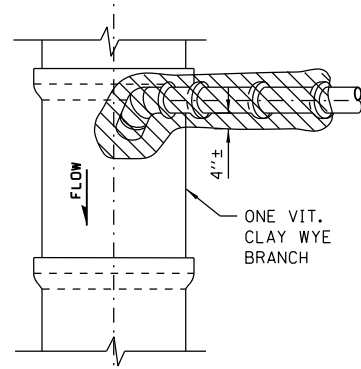
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-021-I	COOK	153	135
<b>CONTRACT NO. 62A75</b>				
ILLINOIS FED. AID PROJECT				



PLAN

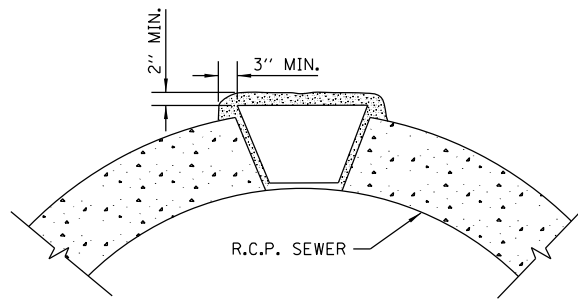


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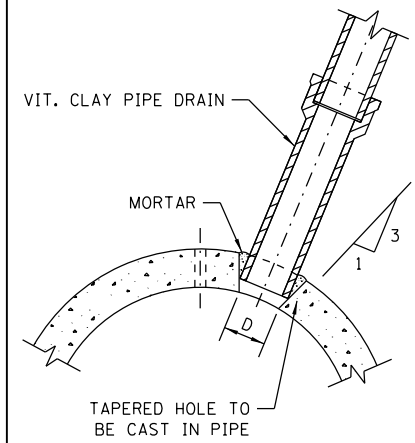


PLAN

NOTE:  
PLUG TO BE COATED WITH MORTAR AND  
DRIVEN INTO PLACE WITH A WOODEN  
MALLET AND THEN SEALED WITH MORTAR.

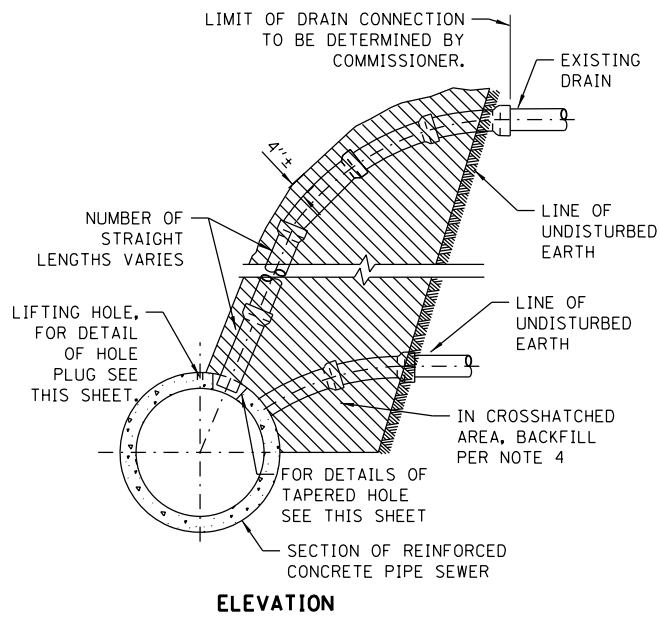


LIFTING HOLE PLUG DETAIL  
FOR CONCRETE PIPE

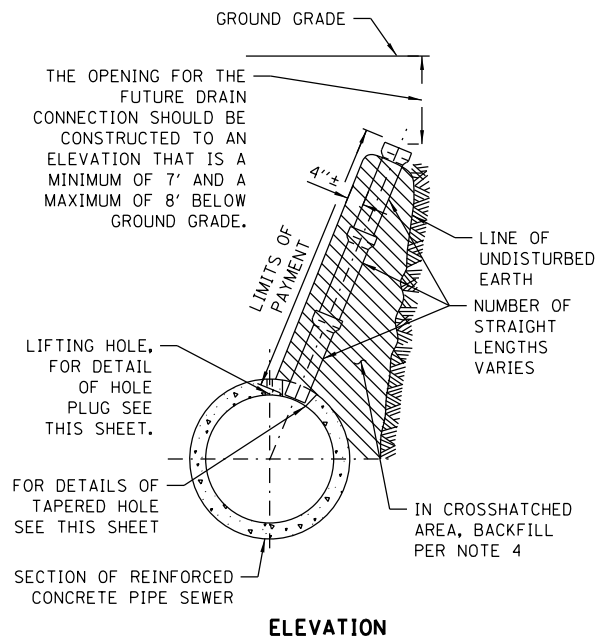


DETAIL OF TAPERED HOLE

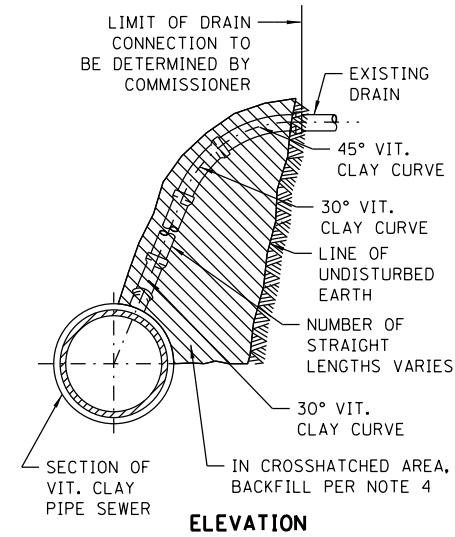
SIZE OF DRAIN	"D"
6"	6 7/8"
8"	9 1/8"
10"	11 1/8"
12"	13 1/2"
15"	17"
18"	20 1/4"
21"	23 3/8"



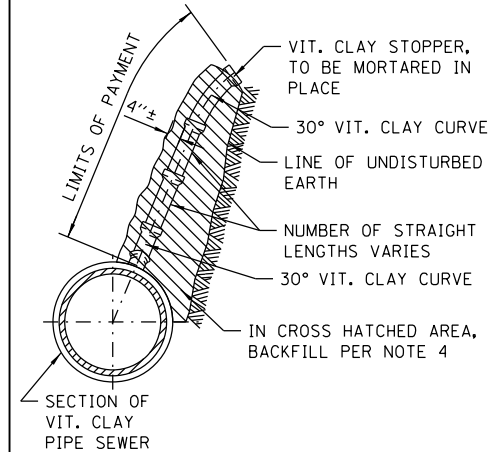
TYPICAL DRAIN CONNECTIONS  
FOR EXISTING DRAINS



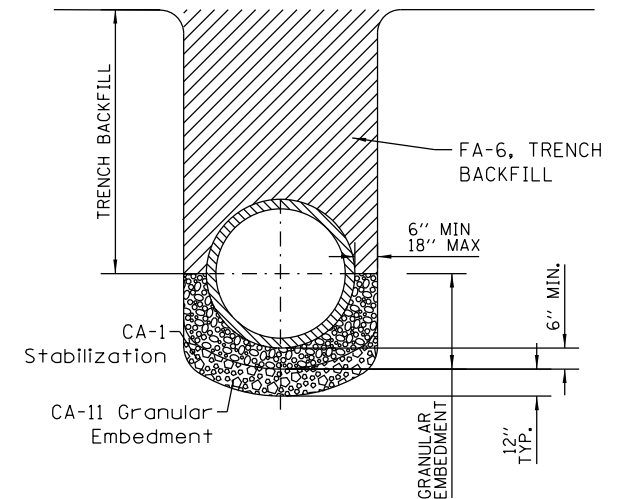
TYPICAL DRAIN STACKS  
FOR FUTURE USE



TYPICAL DRAIN CONNECTIONS  
FOR EXISTING DRAINS



TYPICAL DRAIN STACKS  
FOR FUTURE USE



NOTE:  
1. FOR TRENCH BACKFILL, USE FA-6 SAND, CRUSHED CONCRETE SAND OR STONE SAND.  
2. FOR GRANULAR EMBEDMENT, USE CA-11, CRUSHED GRAVEL, CRUSHED STONE, OR CRUSHED CONCRETE.  
3. 12" OF CA-1 STONE IS ONLY REQUIRED WHEN UNSTABLE MATERIAL IS ENCOUNTERED AT TRENCH BOTTOM.

SEWER TRENCH DETAIL

NOTES:

1. ALL DRAIN CONNECTION JOINTS MUST BE MADE AS SPECIFIED IN SPECIFICATIONS..
2. FOR DUCTILE IRON PIPE DRAIN CONNECTIONS SEE SHEET NO. A.2.
3. FOR ALL GRANULAR EMBANKMENT, USE CA-7 OR CA-11
4. FOR BACKFILL OF HATCHED SUPPORT AREAS, USE CONCRETE, CA-11, FLOWABLE FILL, OR CLSM.

STANDARD REVISIONS	
DATE	DESCRIPTION
2/24/15	APPROVED PLAN

PERCENT COMPLETE	DATE
30	
60	
75	
90	
100	
BULLETIN	

CITY OF CHICAGO DEPARTMENT OF WATER MANAGEMENT BUREAU OF ENGINEERING SERVICES		DESIGNED: SBW CHECKED: GC, GC, SO REVIEWED: A.1
VITRIFIED CLAY PIPE DRAIN CONNECTIONS		OF
		PN



D162A75-sht-Drain-CDWM-Detail-01.dgn  
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PLOT SCALE = 2.0000' / in.  
PLOT DATE = 3/20/2017

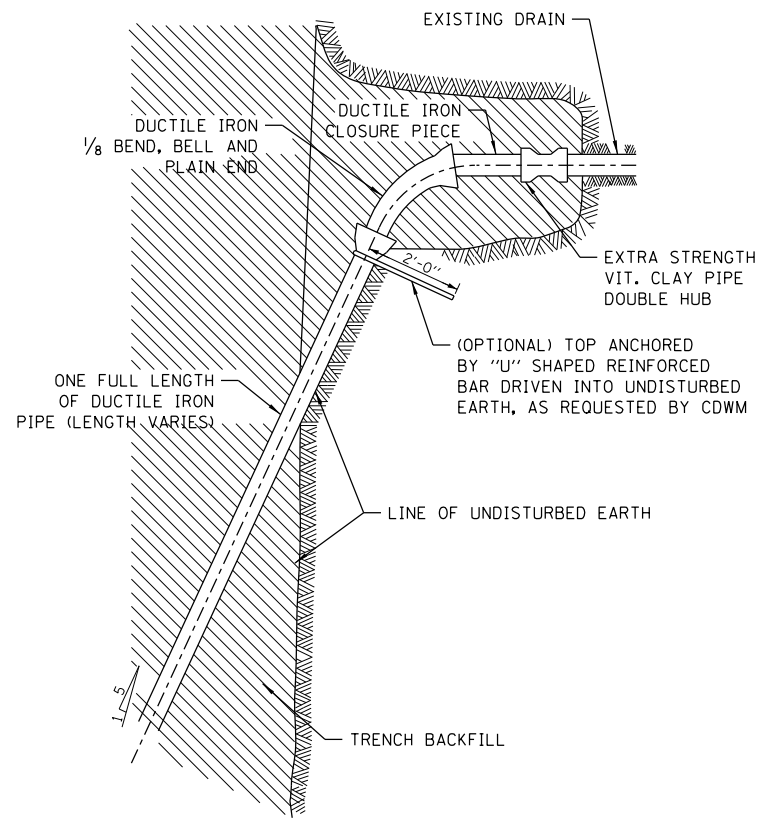
DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE - 03/21/2017	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

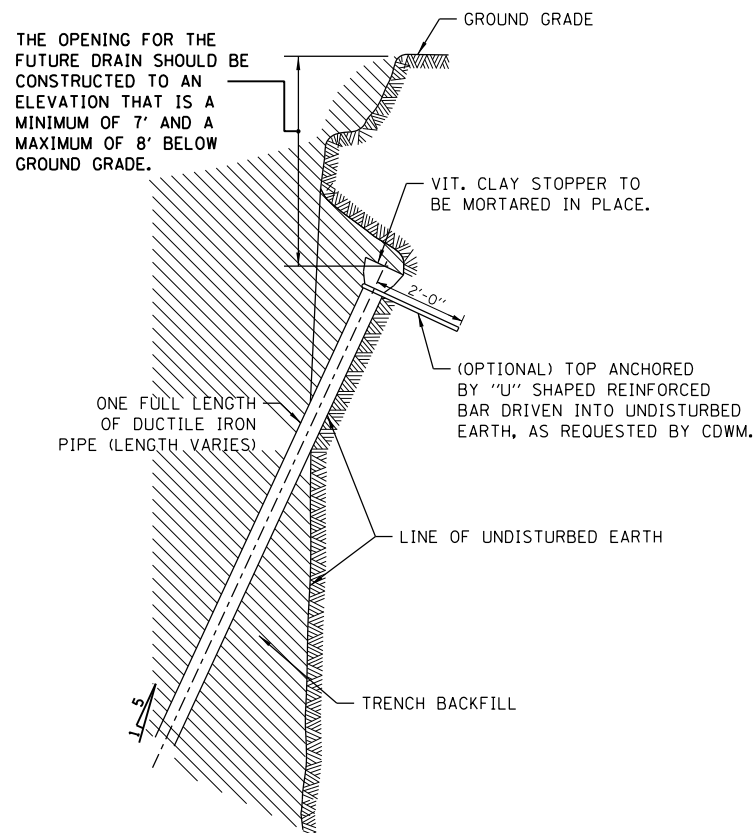
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STANDARD DETAILS

SCALE: NTS SHEET 1 OF 5 SHEETS STA. TO STA.

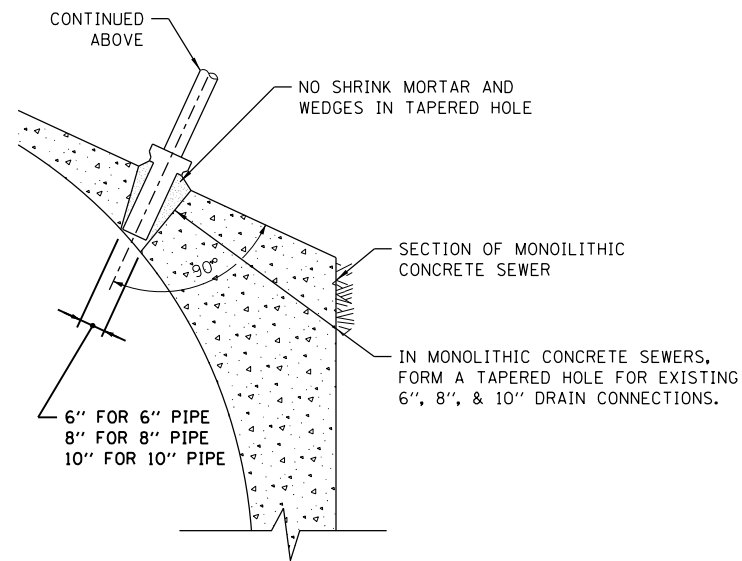
F.A.I. RTE. 90/94/290	SECTION 2015-021-1	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 136
CONTRACT NO. 62A75				
ILLINOIS FED. AID PROJECT				



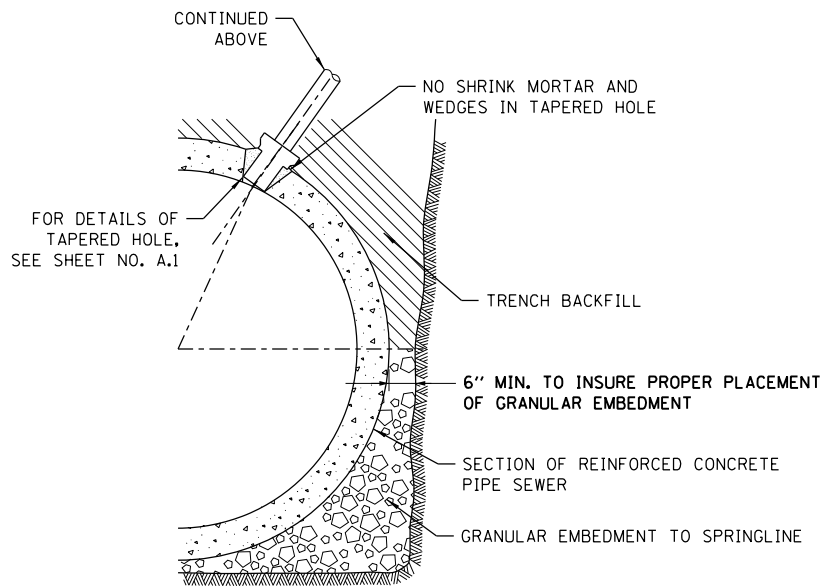
TYPICAL DRAIN CONNECTIONS FOR EXISTING DRAINS



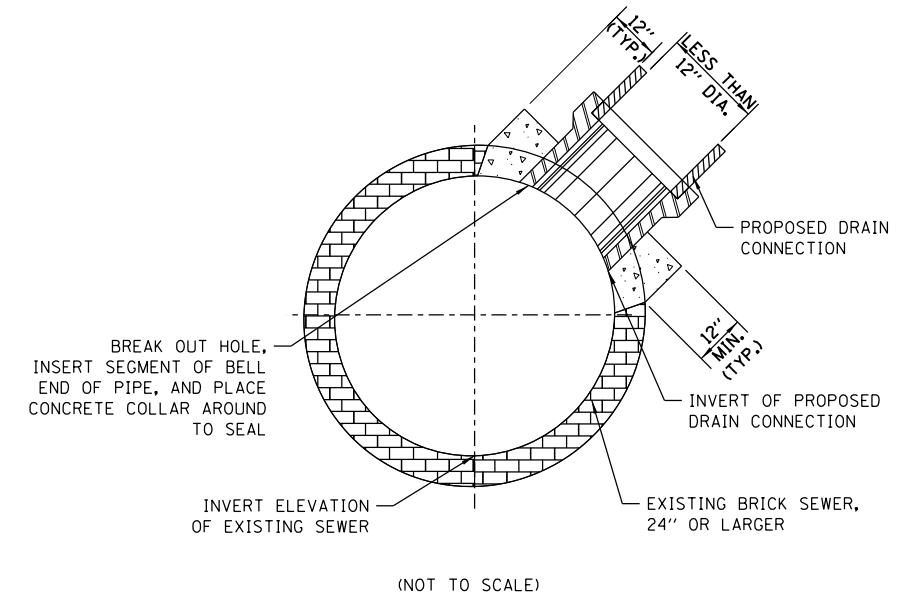
TYPICAL DRAIN STACKS FOR FUTURE USE



FOR MONOLITHIC CONCRETE SEWERS



FOR REINFORCED CONCRETE PIPE SEWERS



FOR BRICK SEWERS

DUCTILE IRON PIPE DRAIN CONNECTIONS

BRICK SEWER DRAIN CONNECTIONS

- NOTES:
1. DUCTILE IRON PIPE MUST BE BELL END WITH PUSH-ON JOINTS CONFORMING TO ANSI SPECIFICATIONS A21.51 WITH CLASS 52 THICKNESS.
  2. CONNECTIONS AND STACKS SHOWN MUST BE USED FOR 6", 8", & 10" DRAINS ONLY.
  3. FOR VITRIFIED CLAY PIPE DRAIN CONNECTION AND DRAIN STACK CONSTRUCTION, SEE SHEET NO. A.1.
  4. FOR TRENCH BACKFILL, USE FA-6 SAND, CRUSHED CONCRETE SAND, OR STONE SAND.
  5. FOR GRANULAR EMBEDMENT, USE CA-11, CRUSHED GRAVEL, CRUSHED STONE, OR CRUSHED CONCRETE.

STANDARD REVISIONS	
DATE	DESCRIPTION
1/5/15	APPROVED PLAN

PERCENT COMPLETE	DATE
30	
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BULLETIN	

CITY OF CHICAGO DEPARTMENT OF WATER MANAGEMENT BUREAU OF ENGINEERING SERVICES		DESIGNED: SBW	A.2
DUCTILE IRON PIPE DRAIN CONNECTIONS		CHECKED:	
		REVIEWED:	OF
			PN



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PLOT SCALE = 2.0000' / 1" =  
PLOT DATE = 3/20/2017

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DRAWN -  
CHECKED -  
DATE - 03/21/2017

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REVISED -

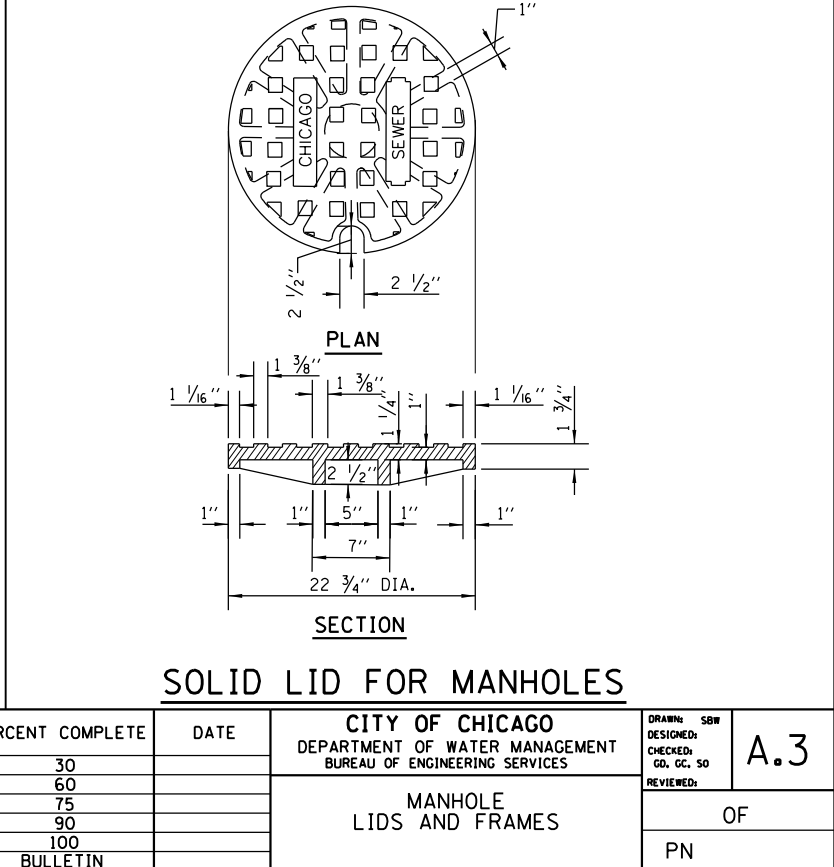
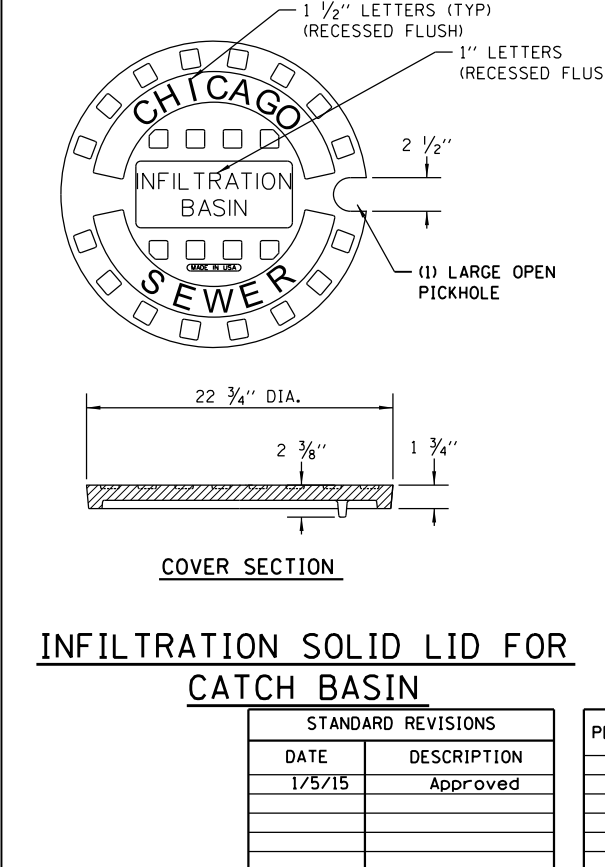
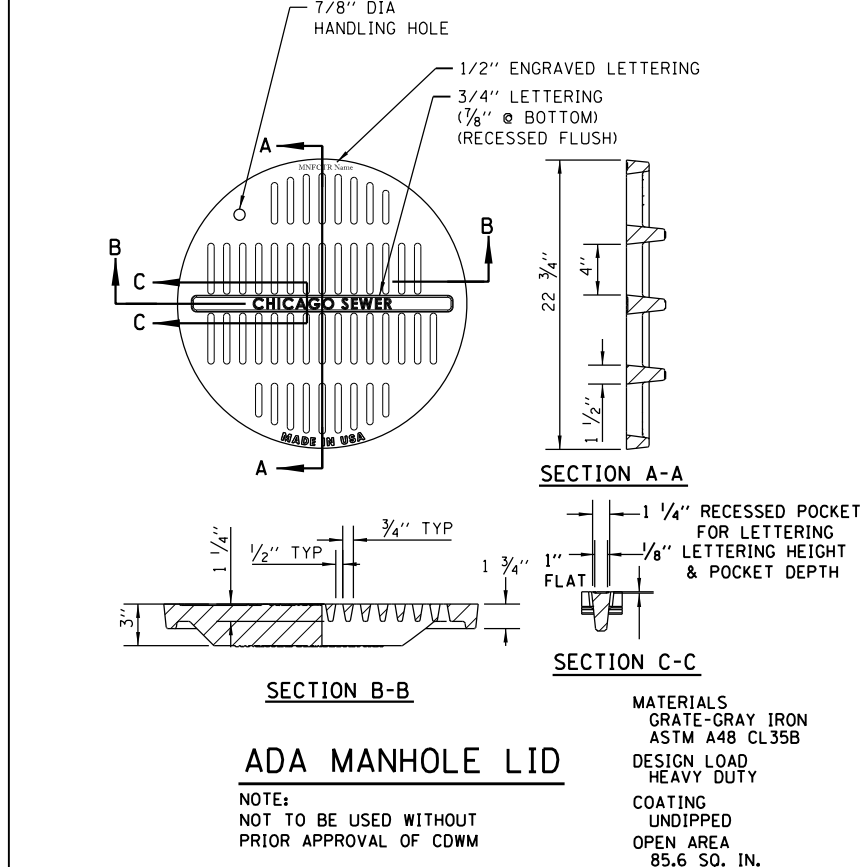
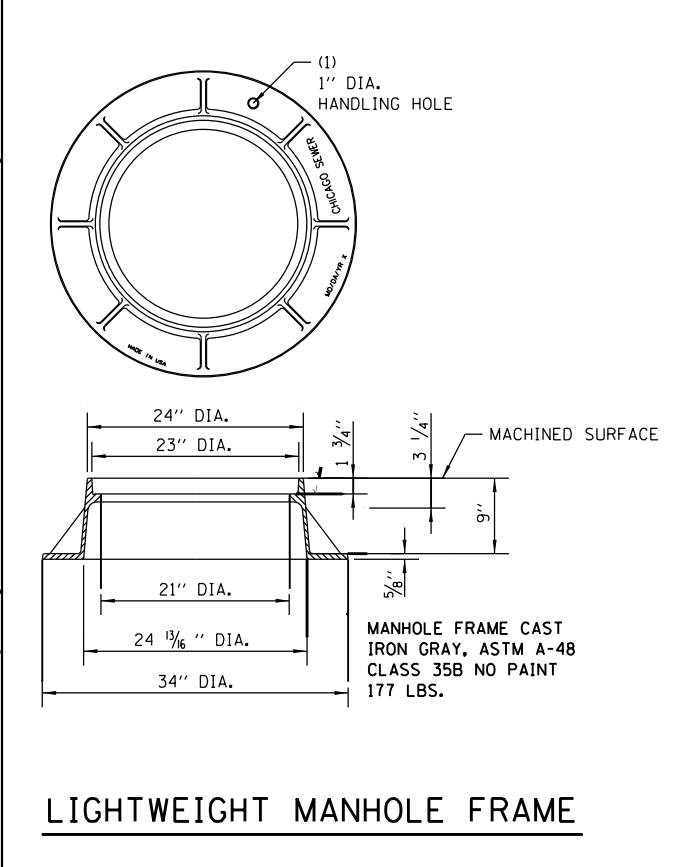
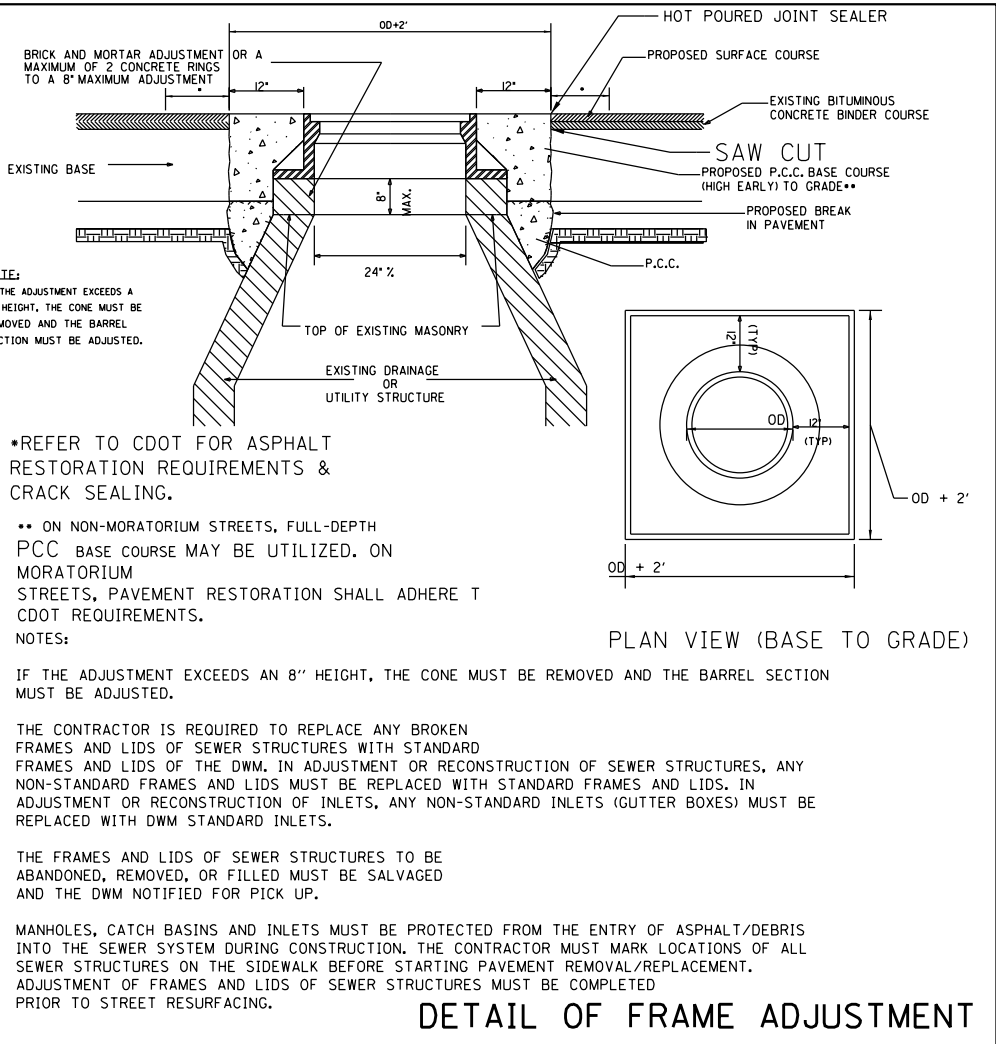
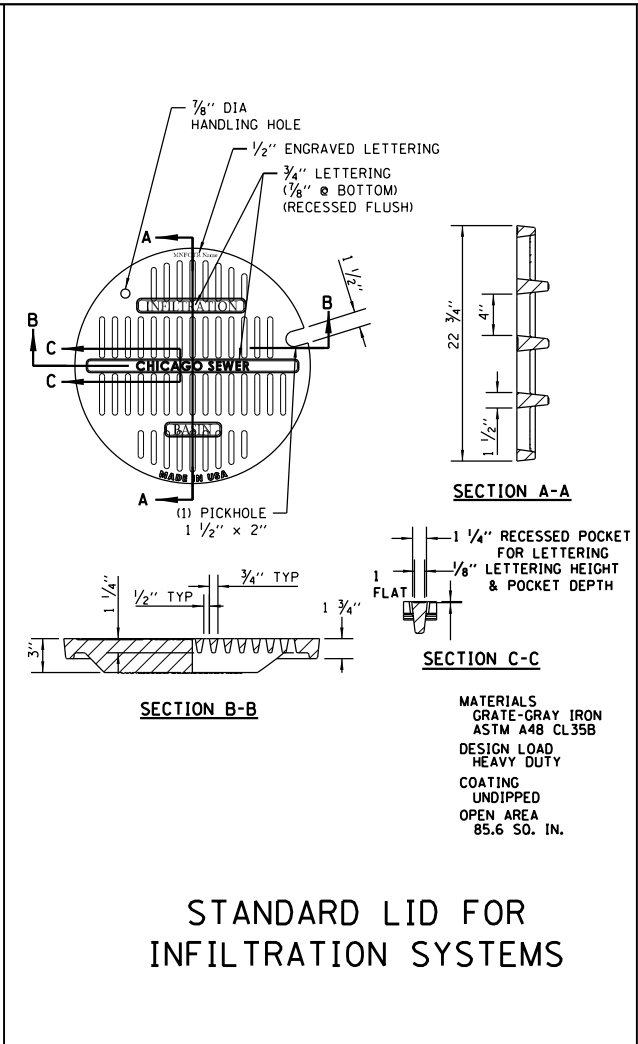
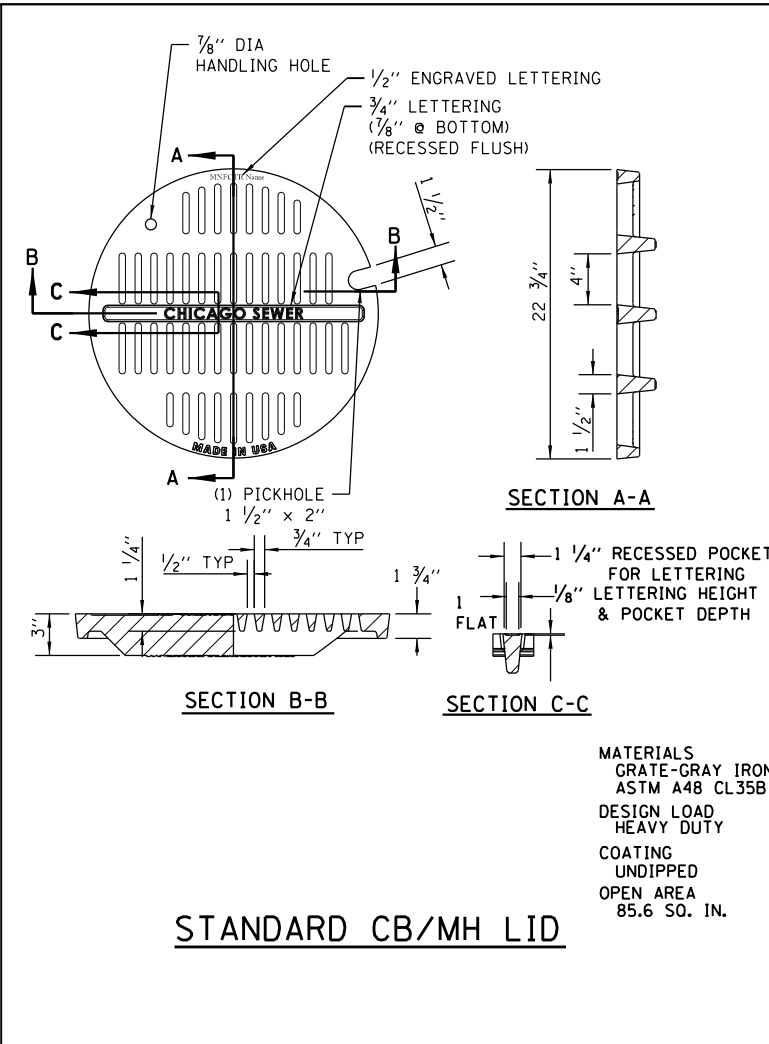
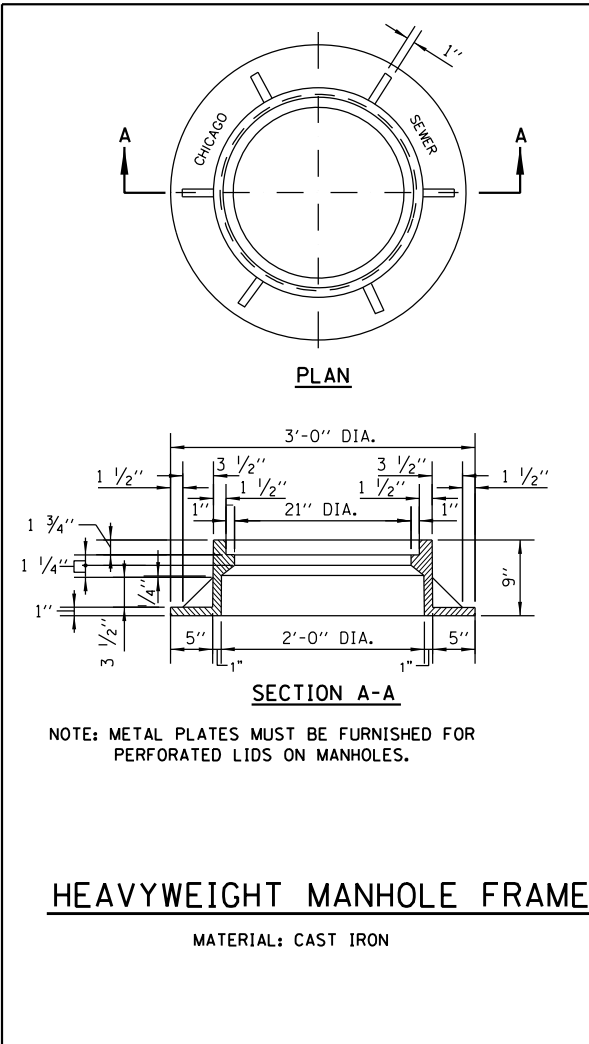
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CHICAGO DEPARTMENT OF WATER MANAGEMENT (CDWM)  
STANDARD DETAILS  
SCALE: NTS SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.I. RTE. 90/94/290	SECTION 2015-021-I	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 137
ILLINOIS FED. AID PROJECT				

CONTRACT NO. 62A75

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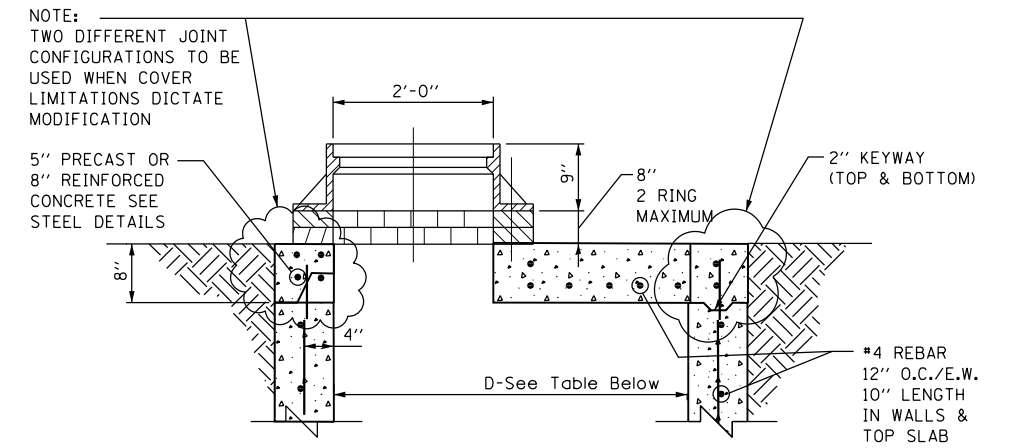


STANDARD REVISIONS	
DATE	DESCRIPTION
1/5/15	Approved

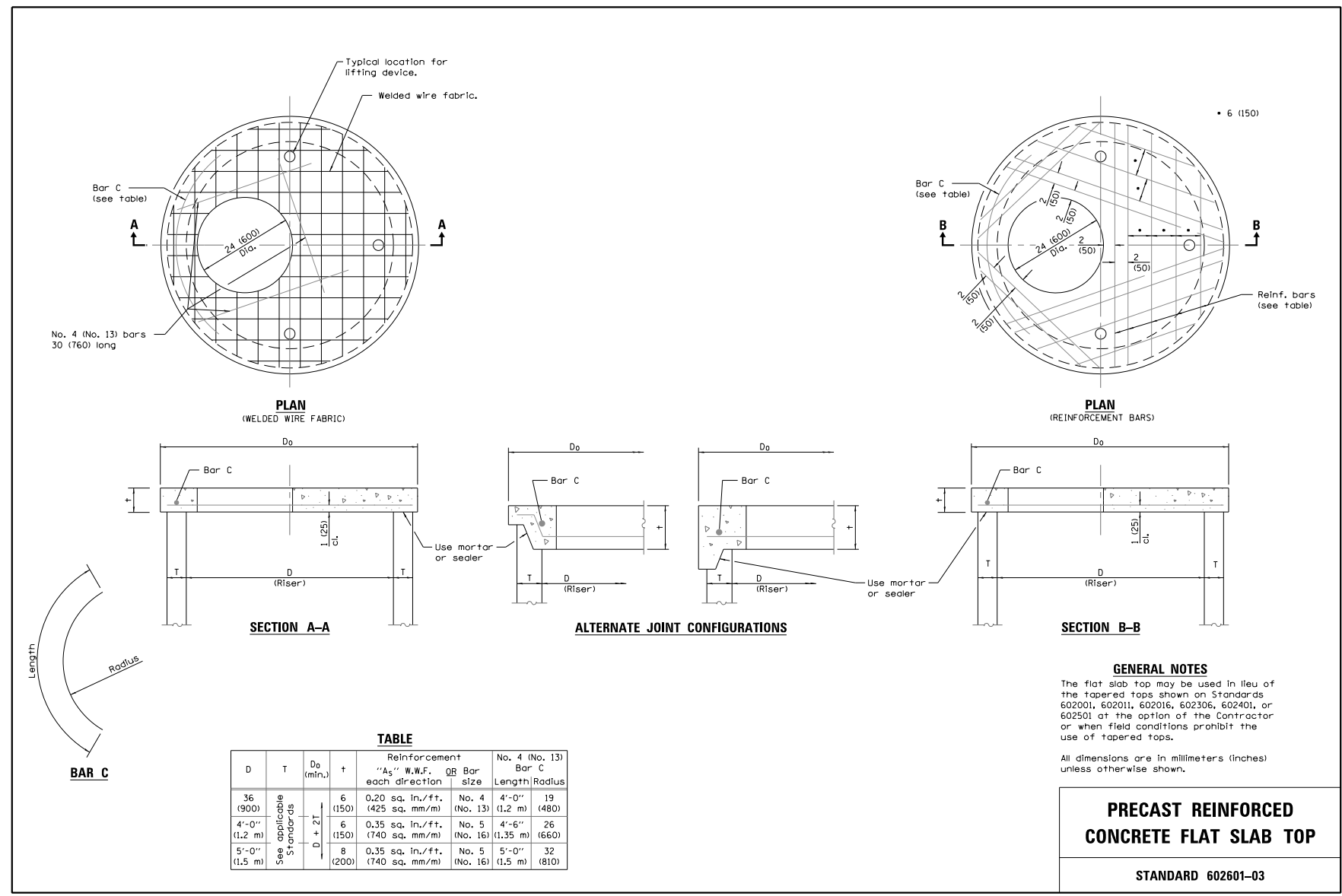
PERCENT COMPLETE	DATE
30	
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BULLETIN	

CITY OF CHICAGO DEPARTMENT OF WATER MANAGEMENT BUREAU OF ENGINEERING SERVICES		DRAWN SBW	SHEET NO.
		CHECKED CD, GC, SO	A.3
		REVIEWED	
MANHOLE LIDS AND FRAMES			OF
			PN

# SPECIAL DRAINAGE STRUCTURES FOR PUBLIC STREETS AND ALLEYS



**STANDARD FLAT TOP SLAB FOR CATCH BASINS**



**TABLE**

D	T	D <sub>0</sub> (min.)	†	Reinforcement "As" W.W.F. each direction	Reinforcement "As" Bar size	No. 4 (No. 13) Bar C Length	No. 4 (No. 13) Bar C Radius
36 (900)	See applicable Standards	6 (150)	0.20 sq. in./ft. (425 sq. mm/m)	No. 4 (No. 13)	4'-0" (1.2 m)	19 (480)	
4'-0" (1.2 m)		6 (150)	0.35 sq. in./ft. (740 sq. mm/m)	No. 5 (No. 16)	4'-6" (1.35 m)	26 (660)	
5'-0" (1.5 m)		8 (200)	0.35 sq. in./ft. (740 sq. mm/m)	No. 5 (No. 16)	5'-0" (1.5 m)	32 (810)	

**GENERAL NOTES**  
 The flat slab top may be used in lieu of the tapered tops shown on Standards 602001, 602011, 602016, 602306, 602401, or 602501 at the option of the Contractor or when field conditions prohibit the use of tapered tops.  
 All dimensions are in millimeters (inches) unless otherwise shown.

**PRECAST REINFORCED CONCRETE FLAT SLAB TOP**  
 STANDARD 602601-03

**NOTES:**  
 FLAT TOP SLAB APPLICATION CAN ONLY BE USED WITH WRITTEN PERMISSION FROM CDWM. USE LATEST IDOT DETAIL, #602601

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STANDARD REVISIONS	
DATE	DESCRIPTION
1/5/15	APPROVED PLAN

PERCENT COMPLETE	DATE
30	
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90	
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BULLETIN	

CITY OF CHICAGO DEPARTMENT OF WATER MANAGEMENT BUREAU OF ENGINEERING SERVICES		DRAWN: SDB	A.4
		DESIGNED:	
FLAT TOP SLAB DETAILS		CHECKED:	OF
		REVIEWED:	
			PN



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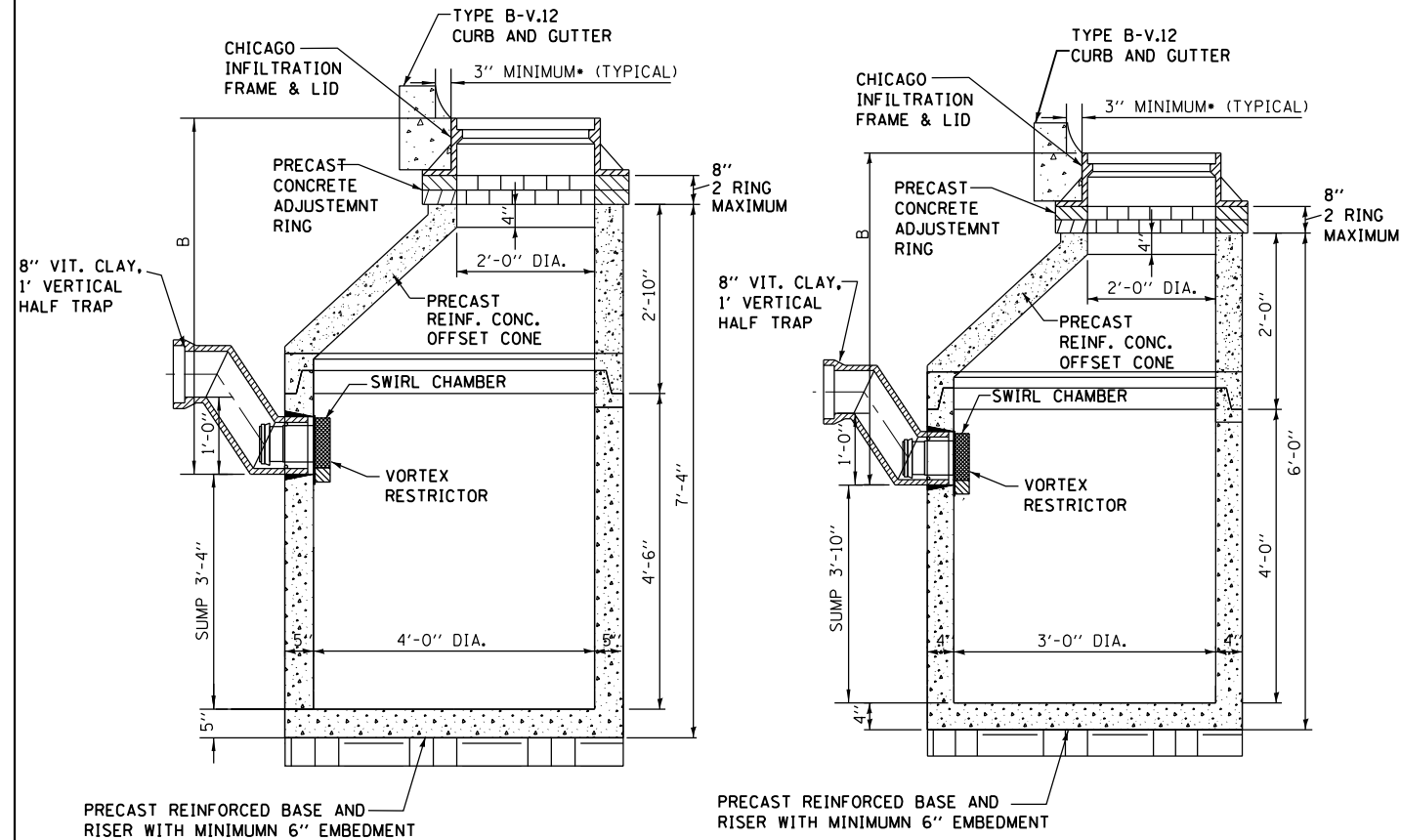
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CHECKED -	REVISED -
DATE - 03/21/2017	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CHICAGO DEPARTMENT OF WATER MANAGEMENT (CDWM)  
 STANDARD DETAILS  
 SCALE: NTS SHEET 4 OF 5 SHEETS STA. TO STA.

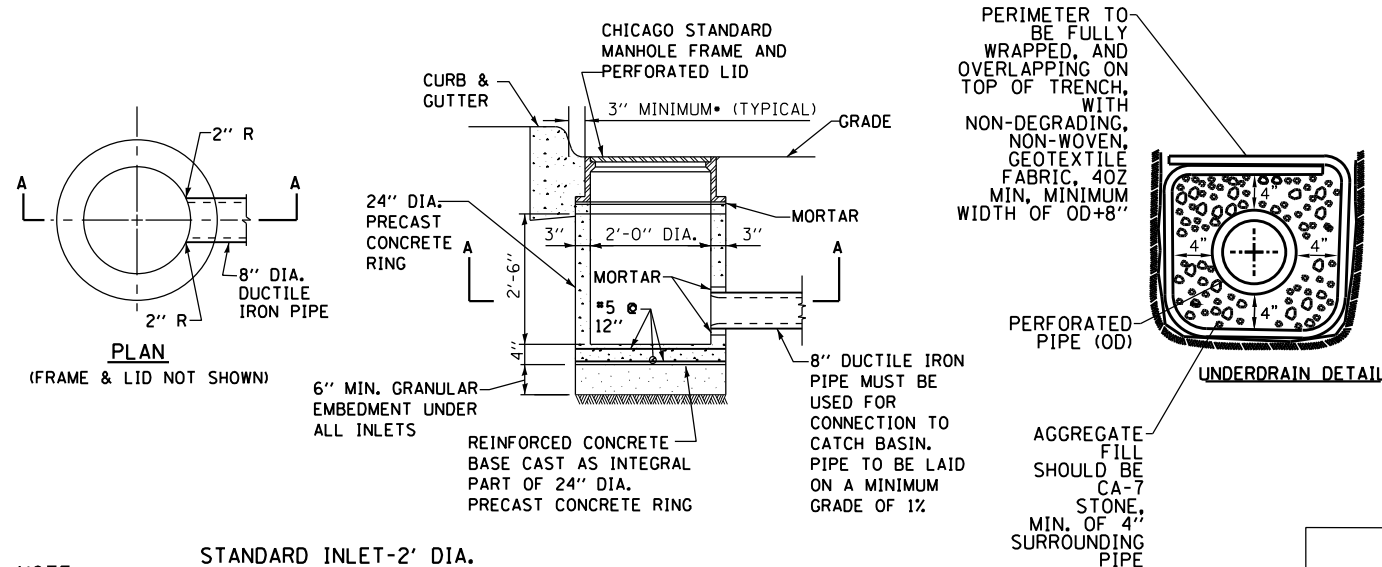
F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-021-I	COOK	153	139
CONTRACT NO. 62A75				
ILLINOIS FED. AID PROJECT				

## STANDARD DRAINAGE STRUCTURES FOR PUBLIC STREETS



STANDARD CATCH BASIN-4' DIA.

STANDARD CATCH BASIN-3' DIA.



**NOTE:**  
INLETS AND 3' DIAMETER CATCH BASINS ARE TO BE USED ONLY WITH PRIOR APPROVAL OF DWM SEWER ENGINEER OR FIELD INSPECTOR.

FOR TRENCH BACKFILL, USE FA-6 SAND, CRUSHED CONCRETE SAND, OR STONE SAND.

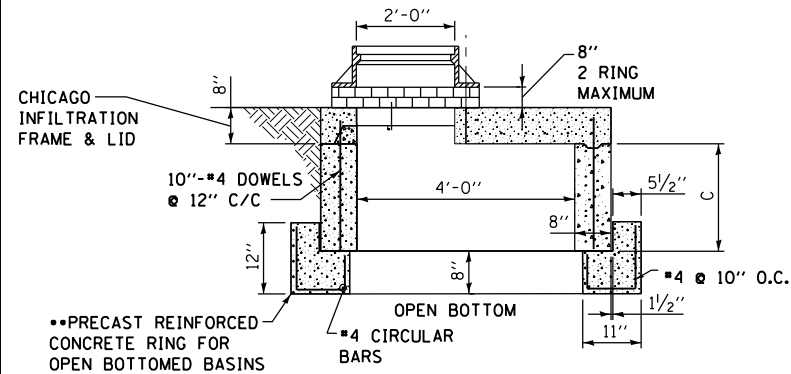
FOR GRANULAR EMBEDMENT, USE CA-11, CRUSHED GRAVEL, CRUSHED STONE, OR CRUSHED CONCRETE.

• OUTER EDGE OF FRAME TO FACE OF CURB

NOTES:

- FOR ANY DRAIN TILE CONNECTION, THE WATER TABLE MUST BE AT LEAST 3.5 FEET BELOW ELEVATION A.
- PVC UNDERDRAINS MUST BE 4" MINIMUM DIAMETER, (6" RECOMMENDED) AND MUST BE WRAPPED IN GEOTECH FABRIC.

## STANDARD DRAINAGE STRUCTURES FOR PUBLIC ALLEYS



### GREEN ALLEY OPEN BOTTOM CATCH BASIN

TO BE USED IF STANDARD CONE WITH REQUIRED SUMP DEPTH INSTALLATION IS IMPOSSIBLE.

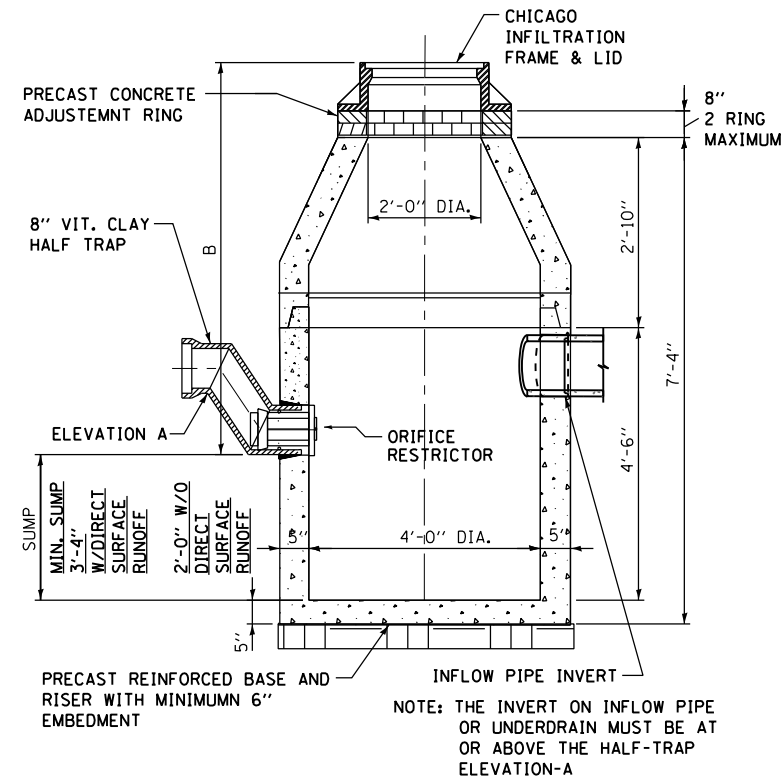
•• IF FLAT TOP SLAB CATCH BASIN IS USED IN AN OPEN BOTTOM APPLICATION, THE FOLLOWING CRITERIA MUST BE FOLLOWED:

- "C" MUST BE A MINIMUM OF 3 FEET.

- PROVIDE A MINIMUM AGGREGATE BASE OF 1.0 FEET BELOW PRECAST REINFORCED CONCRETE RING.

- GEOTECH FABRIC MUST BE PLACED ON SIDES AND BOTTOM OF AGGREGATE SURROUNDING BASIN.

- AGGREGATE BASE MUST PROVIDE ADEQUATE STORMWATER STORAGE CAPACITY PER THE APPROVED/PERMITTED PLANS.



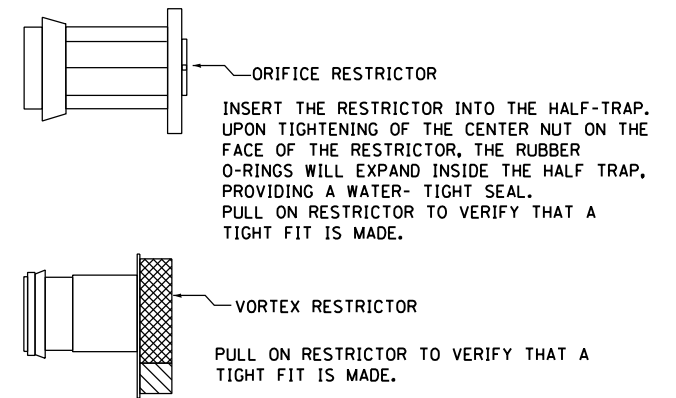
### CATCH BASIN-ORIFICE RESTRICTOR

N.T.S.

STANDARD REVISIONS	
DATE	DESCRIPTION
9/30/16	APPROVED

PERCENT COMPLETE	DATE
30	
60	
75	
90	
100	
BULLETIN	

## DRAINAGE STRUCTURES RESTRICTORS



GENERAL NOTES:

- CATCH BASIN TO CATCH BASIN CONNECTIONS ARE ALLOWED IN PRIVATE SITES & ALLEYS. ONLY THE DOWNSTREAM CATCH BASIN IS REQUIRED TO HAVE A HALF-TRAP.
- IF B < 4 FEET, THEN USE A DUCTILE IRON PIPE HALF TRAP AND FLAT TOP SLAB CATCH BASIN AS NECESSARY.
- INLETS AND 3' DIAMETER CATCH BASINS ARE TO BE USED ONLY WITH PRIOR APPROVAL OF DWM FIELD INSPECTOR.

RESTRICTOR NOTES:

THE DWM'S RAIN BLOCKER RESTRICTOR PROGRAM MUST BE MAINTAINED WITH ANY ROADWAY IMPROVEMENT.

THE DESIGN OF ANY ROADWAY IMPROVEMENT MUST CONSIDER LIMITING THE NUMBER OF CATCH BASINS TO THE EXTENT PRACTICAL. THE NUMBER OF EXISTING STRUCTURES SHOULD NOT BE INCREASED.

THE RESTRICTORS CAN BE OBTAINED FROM DWM CENTRAL DISTRICT AT 3901 S. ASHLAND AVE. THE CONTRACTOR SHOULD ARRANGE FOR PICK UP BY CONTACTING 312-747-1177 (7AM TO 3PM, M-F)

FLOW RESTRICTORS MUST BE INSTALLED IN ALL CATCH BASINS OUTSIDE OF THE CENTRAL BUSINESS DISTRICT. RESTRICTORS MUST NOT BE INSTALLED IN CATCH BASINS IN CLOSE PROXIMITY TO VIADUCT AREAS, BUS STOPS, OR EMERGENCY ENTRANCES. THE DWM MUST APPROVE THE NON-INSTALLATION OR REMOVAL OF ANY RESTRICTOR. REQUIREMENTS FOR RESTRICTOR INSTALLATION ARE AS FOLLOWS:

- ARTERIAL STREETS: 3-INCH ORIFICE RESTRICTOR
- BUS ROUTES: 3-INCH ORIFICE RESTRICTOR
- RESIDENTIAL STREETS: 3-INCH VORTEX RESTRICTOR
- ALLEYS: 3-INCH ORIFICE RESTRICTOR IN THE LAST CB.
- CLOSED LIDS ARE REQUIRED ON ALL MANHOLES EXCEPT AT INTERSECTIONS WHERE A PERFORATED LID SHALL BE USED.



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USER NAME = dishevoaz  
PLOT SCALE = 2.0000' / in.  
PLOT DATE = 3/20/2017

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DATE - 03/21/2017

REVISED -  
REVISED -  
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REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CHICAGO DEPARTMENT OF WATER MANAGEMENT (CDWM)  
STANDARD DETAILS  
SCALE: NTS SHEET 5 OF 5 SHEETS STA. TO STA.

CITY OF CHICAGO		DESIGNED: SBW	SHEET NO.
DEPARTMENT OF WATER MANAGEMENT		CHECKED:	
BUREAU OF ENGINEERING SERVICES			A.18
DRAINAGE STRUCTURE DETAILS		REVIEWED:	OF
			PN
F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS
90/94/290	2015-021-1	COOK	153 140
CONTRACT NO. 62A75			
ILLINOIS FED. AID PROJECT			



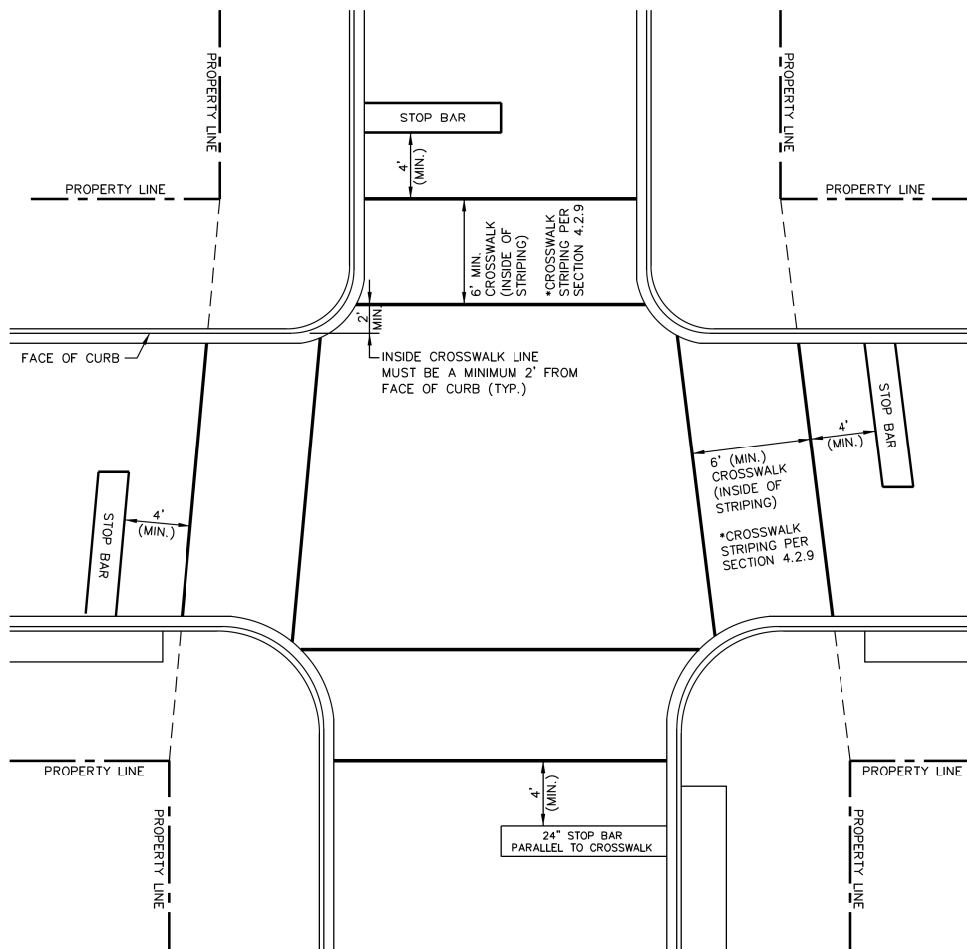
**NOTES:**

TYPICAL CROSSWALK CONSISTS OF TWO PROJECTED LINES, ONE OF THEM A PROJECTION OF THE PROPERTY LINE AND THE OTHER PARALLEL AS DEFINED BY SIDEWALK WIDTH.

WHERE CROSSWALK LOCATIONS ARE DEFINED BY SPECIFIC CURB RAMP SITUATIONS, THE ABOVE TYPICAL LAYOUT MAY NOT APPLY. SEE CURB RAMP LAYOUTS IN APPENDIX B FOR ADDITIONAL CROSSWALK DETAILS.

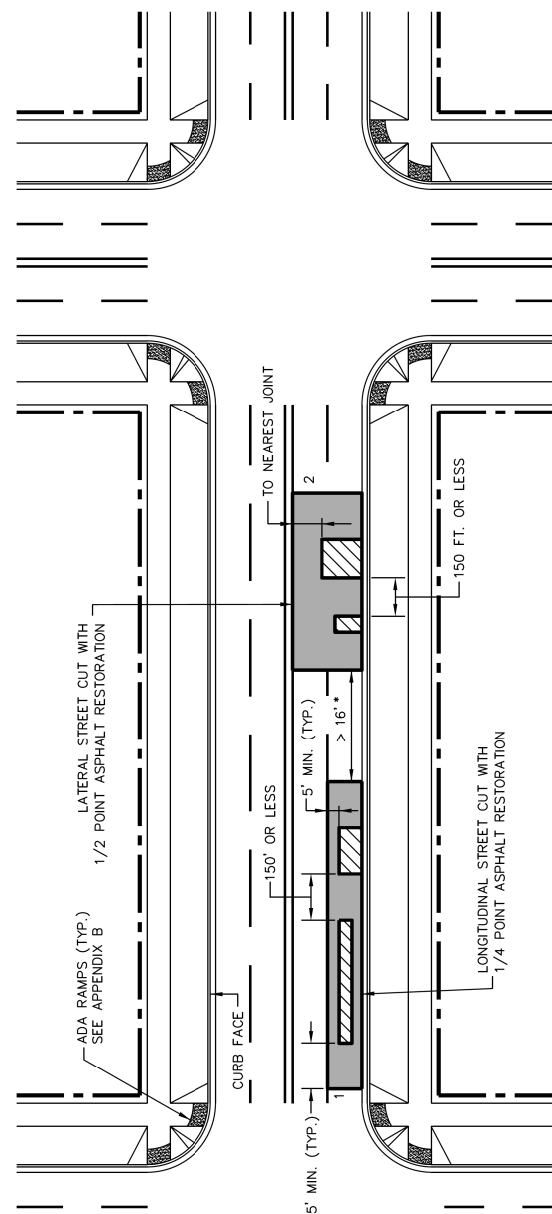
FOR CROSSWALKS AT INTERSECTIONS WHERE PROPERTY LINES ARE NOT AT 90 DEGREES, ALIGN THE PROPERTY LINES (SEE DASHED LINE BELOW) TO LOCATE INNER CROSSWALK LINE.

SEE SECTION 4.2.9 AND SHEET A-7-1 FOR GUIDELINES REGARDING THE LAYOUT OF CONTINENTAL AND LADDER MARKINGS.



DATE		REVISION		CITY OF CHICAGO		
1/1/2014		REVISION 1		INTERSECTION CROSSWALK LAYOUT		
DATE		SHEET		DRAWN BY		
01/10/07		A-1-3		CDOT		

**STREET CUTS AND ASPHALT RESTORATION REQUIREMENTS  
(2 OR MORE OPENINGS, WITHIN 2 YEARS & 150 FT.)**



**LEGEND**

- UTILITY TRENCH OR UTILITY STREET CUT WITHIN THIS ZONE
- CITY STANDARD FOR ASPHALT RESTORATION

**IF ASPHALT RESTORATION LIMITS OF ONE CONTRACTOR ARE WITHIN 16' OF THE LIMITS PREVIOUSLY PAVED BY ANOTHER CONTRACTOR, THEN THAT CONTRACTOR SHALL EXTEND THE ASPHALT RESTORATION TO THE EXISTING LIMITS.**

**SCENARIO**  
ASPHALT RESTORATION LIMITS ARE SHOWN ONLY FOR EACH OF THE FOLLOWING SCENARIOS:

- (1) 1/4 POINT LONGITUDINAL ASPHALT RESTORATION.
- (2) 1/2 POINT LONGITUDINAL ASPHALT RESTORATION.

**NOTE:** WHEN WORK IS PERFORMED ON A MORATORIUM STREET, THE FULL PERIMETER OF THE ASPHALT RESTORATION LIMITS SHALL BE PAVED WITH A JOINT SEALER. STILL BE POURED JOINT SEALER WITH HOT Poured JOINT SEALER.



DATE		REVISION		CITY OF CHICAGO		
3/26/2012		REVISION 1		STREET CUTS AND ASPHALT RESTORATION REQUIREMENTS		
6/22/2012		REVISION 2				
1/1/2014		REVISION 3		DATE	SHEET	DRAWN BY
1/1/2016		REVISION 4		01/04/07	A-2-1E	CDOT

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DATE -	03/21/2017	REVISED -	

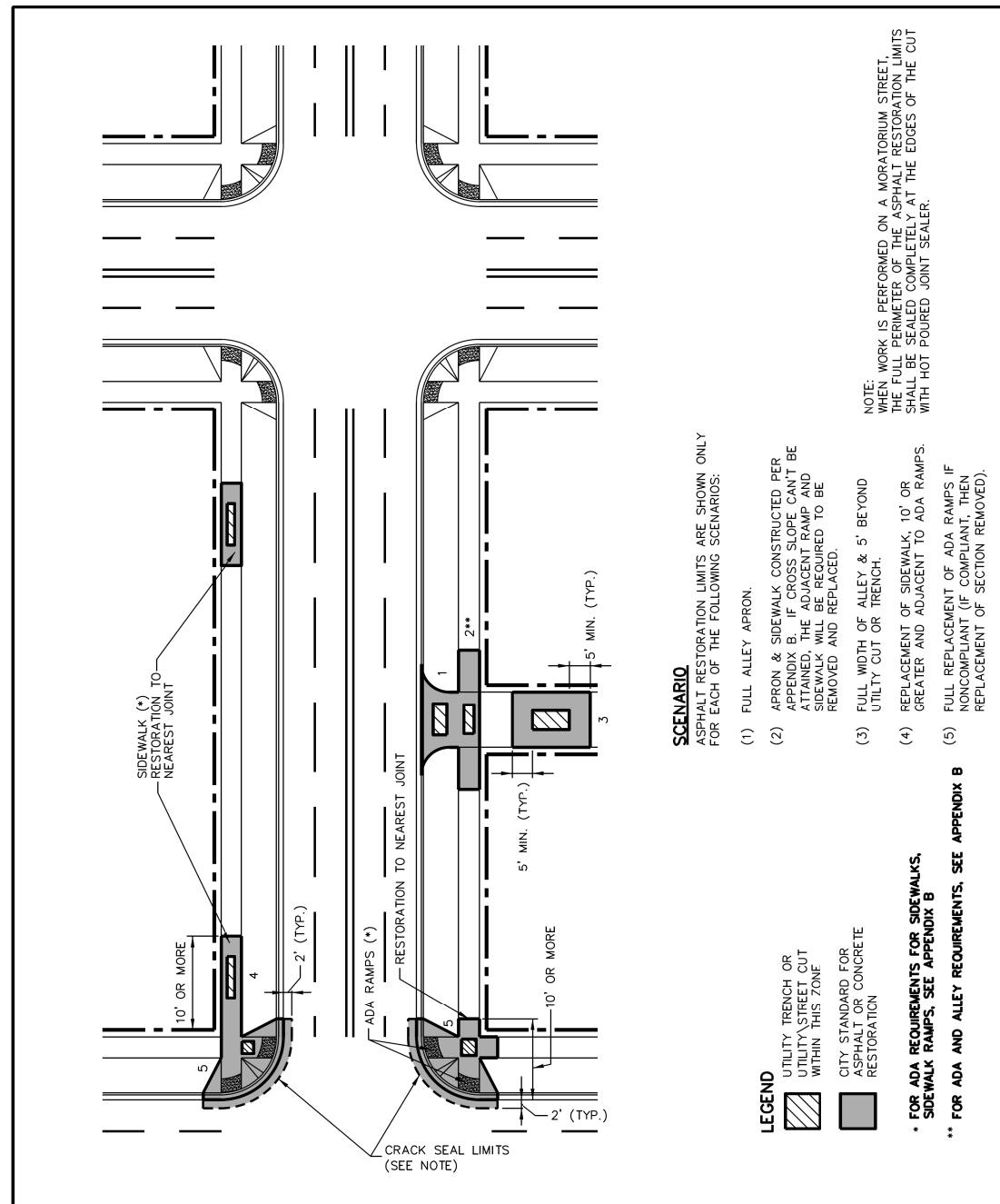
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CHICAGO DEPARTMENT OF TRANSPORTATION  
STANDARDS

SCALE: N.T.S. SHEET 1 OF 7 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-021-1	COOK	153	141
CONTRACT NO. 62A75				
ILLINOIS FED. AID PROJECT				

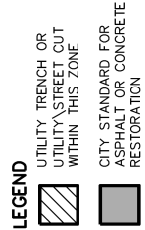
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**SCENARIO**  
ASPHALT RESTORATION LIMITS ARE SHOWN ONLY FOR EACH OF THE FOLLOWING SCENARIOS:

- (1) FULL ALLEY APRON.
- (2) APRON & SIDEWALK CONSTRUCTED PER APPENDIX B. IF CROSS SLOPE CAN'T BE ATTAINED, THE ADJACENT RAMP AND SIDEWALK WILL BE REQUIRED TO BE REMOVED AND REPLACED.
- (3) FULL WIDTH OF ALLEY & 5' BEYOND UTILITY CUT OR TRENCH.
- (4) REPLACEMENT OF SIDEWALK, 10' OR GREATER AND ADJACENT TO ADA RAMPS.
- (5) FULL REPLACEMENT OF ADA RAMPS IF NONCOMPLIANT (IF COMPLIANT, THEN REPLACEMENT OF SECTION REMOVED).

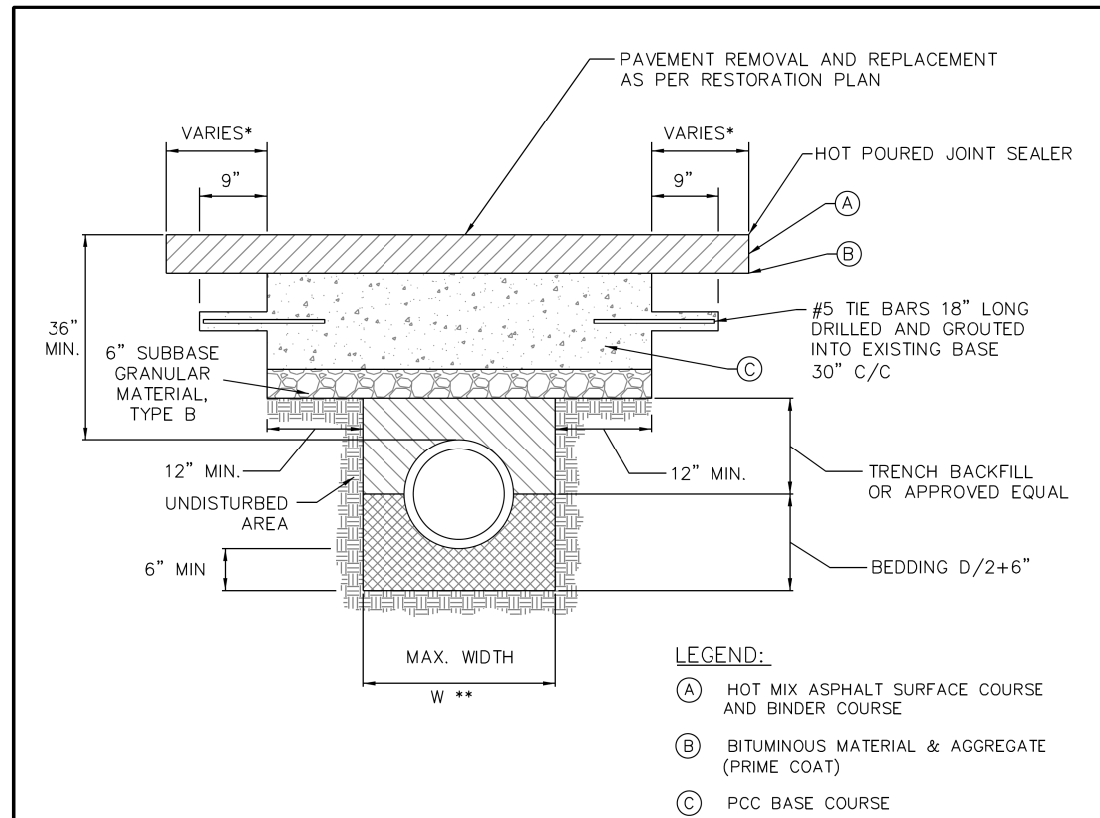
NOTE: WHEN WORK IS PERFORMED ON A MORATORIUM STREET, THE FULL PERIMETER OF THE ASPHALT RESTORATION LIMITS SHALL BE SEALED COMPLETELY AT THE EDGES OF THE CUT WITH HOT POURED JOINT SEALER.



\* FOR ADA REQUIREMENTS FOR SIDEWALKS, SIDEWALK RAMPS, SEE APPENDIX B

\*\* FOR ADA AND ALLEY REQUIREMENTS, SEE APPENDIX B

<b>CDOT</b> CHICAGO DEPARTMENT OF TRANSPORTATION	DATE	REVISION	CITY OF CHICAGO		
	1/1/16	REVISION 1	STREET CUTS AND ASPHALT RESTORATION REQUIREMENTS		
	DATE	SHEET	DRAWN BY		
	1/1/14	A-2-1N	CDOT		



- LEGEND:**
- (A) HOT MIX ASPHALT SURFACE COURSE AND BINDER COURSE
  - (B) BITUMINOUS MATERIAL & AGGREGATE (PRIME COAT)
  - (C) PCC BASE COURSE

- \* PAVEMENT SHALL BE REMOVED & REPAVED TO NEAREST CONSTRUCTION JOINT IF TRENCH EDGE IS 5' OR LESS FROM JOINT. (OR AS REQUIRED BY THE COMMISSIONER)
- \*\* W = 9" + O.D. + 9", WHEN TRENCH DEPTH ≤ 5 FT.  
W = 18" + O.D. + 18", WHEN TRENCH DEPTH > 5 FT.

**NOTES:**

1. THE PORTLAND CEMENT CONCRETE BASE SHALL BE 8" OR MORE (SEE SECTION 4.2b FOR REQUIRED THICKNESS). FOR CONCRETE STREETS THE CONCRETE SHALL BE BROUGHT TO GRADE (INCLUDING 1'-0" OVERLAP) AND FINISHED AS REQUIRED IN THE IDOT SSRBC.
2. ALL EXISTING PAVEMENTS SHALL BE SAW CUT 1'-0" ON BOTH SIDES OF THE TRENCH OR PAVEMENT OPENING. UNDER NO CIRCUMSTANCES SHOULD EXISTING PAVEMENT, WHICH HAS BEEN UNDERMINED OR OTHERWISE DISTURBED, BE LEFT IN PLACE AND NOT RESTORED.
3. ALL STREET PAVEMENT WILL REQUIRE PLACEMENT OF #5 TIE BARS, 18 INCHES LONG DRILLED AND GROUTED (NON SHRINK) AT 30" CENTERS ON ALL SIDES. A MINIMUM OF TWO TIE BARS WILL BE REQUIRED ON EACH SIDE OF SAW CUT BOUNDARIES.
4. ALL TIE BARS AND DOWEL BARS ARE TO BE EPOXY COATED (INCIDENTAL).

<b>CDOT</b> CHICAGO DEPARTMENT OF TRANSPORTATION	DATE	REVISION	CITY OF CHICAGO		
	1/1/2014	REVISION 1	STREET PAVEMENT RESTORATION DETAIL WITH TRENCH BACKFILL		
	DATE	SHEET	DRAWN BY		
	1/27/2016	A-2-2A	CDOT		



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PLOT DATE = 3/20/2017

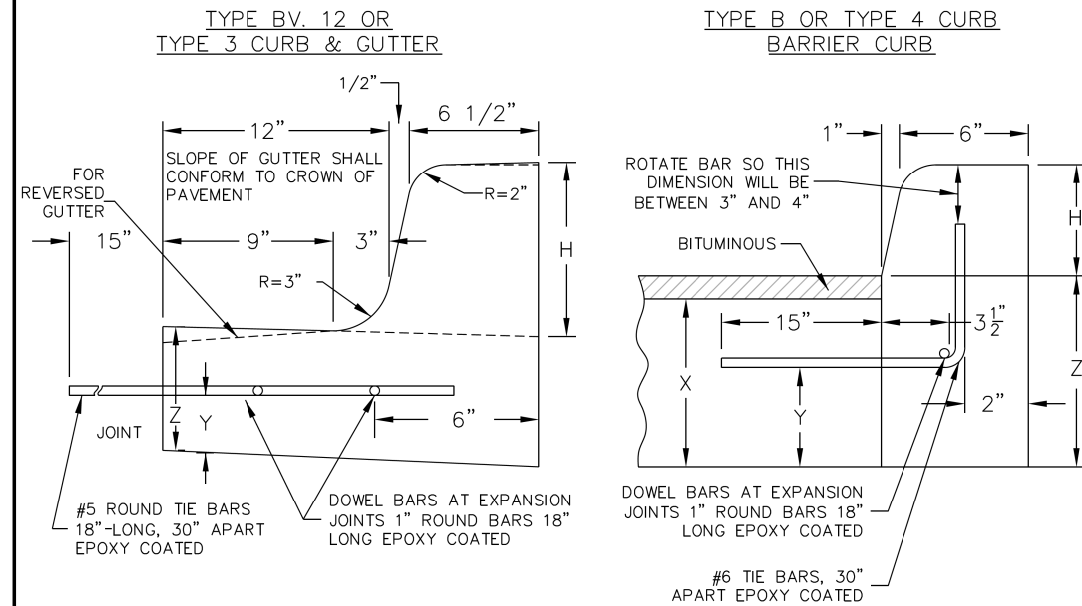
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DATE - 03/21/2017	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CHICAGO DEPARTMENT OF TRANSPORTATION  
STANDARDS  
SCALE: N.T.S. SHEET 2 OF 7 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-021-I	COOK	153	142
CONTRACT NO. 62A75				
ILLINOIS FED. AID PROJECT				

NOTE: H = VARIABLE 3" TO 9"  
 X = THICKNESS OF PAVEMENT  
 Y = ONE HALF THE THICKNESS OF CONCRETE PAVEMENT OR CONCRETE BASE.  
 Z = 10" OR THICKNESS OF PAVEMENT - WHICHEVER IS GREATER



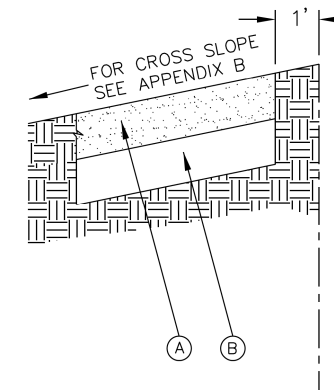
JOINTS IN CURB, COMBINED CURB & GUTTER

TRANSVERSE JOINTS OF A TYPE SIMILAR TO THAT USED IN THE ADJACENT PAVEMENT SHALL BE INSTALLED IN THE CURB, GUTTER AND COMBINED CURB & GUTTER IN PROLONGATION WITH THE JOINTS IN THE PAVEMENT. THE DETAILS OF THE TRANSVERSE JOINTS IN THE CURB, GUTTER AND COMBINED CURB & GUTTER SHALL BE APPROVED BY THE COMMISSIONER. CURB, GUTTER OR COMBINED CURB & GUTTER IS CONSTRUCTED ADJACENT TO A FLEXIBLE BASE PAVEMENT, 1" THICK EXPANSION JOINTS COMPOSED OF BITUMINOUS PERFORMED JOINT FILLER SHALL BE INSTALLED IN THE CURB AND/OR GUTTER AT POINTS OF CURVATURE AND AT CONSTRUCTION JOINTS. CONTRACTION JOINTS SHALL ALSO BE PLACED BETWEEN THESE EXPANSION JOINTS AT DISTANCES NOT EXCEEDING 20 FEET. ALL TIE BARS SHALL BE DEFORMED-ALL DOWEL BARS SHALL BE SMOOTH.

NOTE: ALL TIE BARS AND DOWEL BARS TO BE EPOXY COATED.

\*AT LOCATIONS REQUIRING DEPRESSED CURBS SEE THE ADA STANDARDS FOR CONSTRUCTION DETAILS

 CHICAGO DEPARTMENT OF TRANSPORTATION	DATE	REVISION	CITY OF CHICAGO		
	1/1/2014	REVISION 1	CONCRETE CURB & GUTTER DETAIL		
			DATE	SHEET	DRAWN BY
			12/12/06	A-2-6	CDOT



LEGEND:

- (A) PROPOSED 5" P.C.C. SIDEWALK \*
  - (B) SUBBASE GRANULAR MATERIAL, TYPE B OR C, 4"
- \* CURB RAMP & KEYSTONE 8" P.C.C. AT SIGNALIZED AND INDUSTRIAL STREET INTERSECTIONS

 CHICAGO DEPARTMENT OF TRANSPORTATION	DATE	REVISION	CITY OF CHICAGO		
	1/1/2014	REVISION 1	ADA COMPLIANT SIDEWALK CONSTRUCTION DETAILS		
			DATE	SHEET	DRAWN BY
			12/20/06	A-3-1	CDOT

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 PLOT SCALE = 2.0000' / in.  
 PLOT DATE = 3/20/2017

DESIGNED - CDOT  
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 CHECKED - CDOT  
 DATE - 03/21/2017

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CHICAGO DEPARTMENT OF TRANSPORTATION  
 STANDARDS  
 SCALE: N.T.S. SHEET 3 OF 7 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-021-I	COOK	153	143
CONTRACT NO. 62A75				
ILLINOIS FED. AID PROJECT				

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

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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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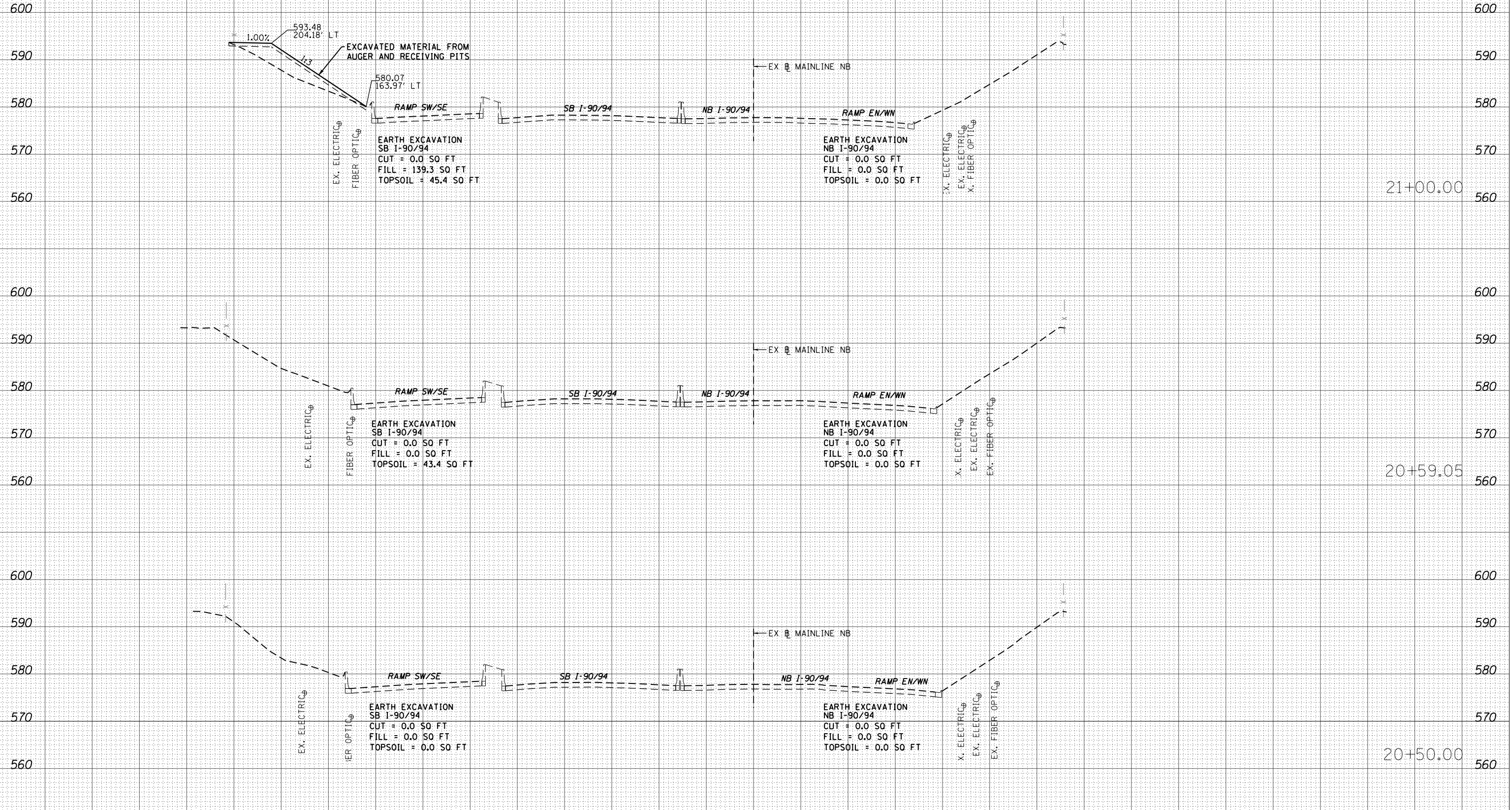
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**NOTES:**

EXISTING UTILITIES SHOWN ARE BASED UPON SUE LOCATE INFORMATION. DEPTHS OF UTILITIES ARE BASED UPON ASSUMED DEPTHS OR RECORD INFORMATION IF AVAILABLE. EXTENTS OF UNDERGROUND STRUCTURES ARE ESTIMATED UPON UTILITY ATLAS INFORMATION. EXISTING AND PROPOSED SEWER IS SHOWN BASED UPON SURVEY DATA, ATLAS INFORMATION AND THE PROPOSED PLANS.

**NOTES:**

1. ALL CROSS SECTIONS REFERENCE EXISTING NB I-90/94.
2. TOPSOIL VOLUME COMPUTED AND PAID FOR AS "TOPSOIL EXCAVATION AND PLACEMENT"



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PLOT DATE = 3/20/2017	DATE - 03/21/2017	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
I-90/94 MAINLINE**

SCALE: 1:10V,1:20H SHEET 01 OF 5 SHEETS STA. 20+50.00 TO STA. 21+00.00

F.A.I. RTE. 90/94/290	SECTION 2015-021-I	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 144
			CONTRACT NO. 62A75	
ILLINOIS FED. AID PROJECT				

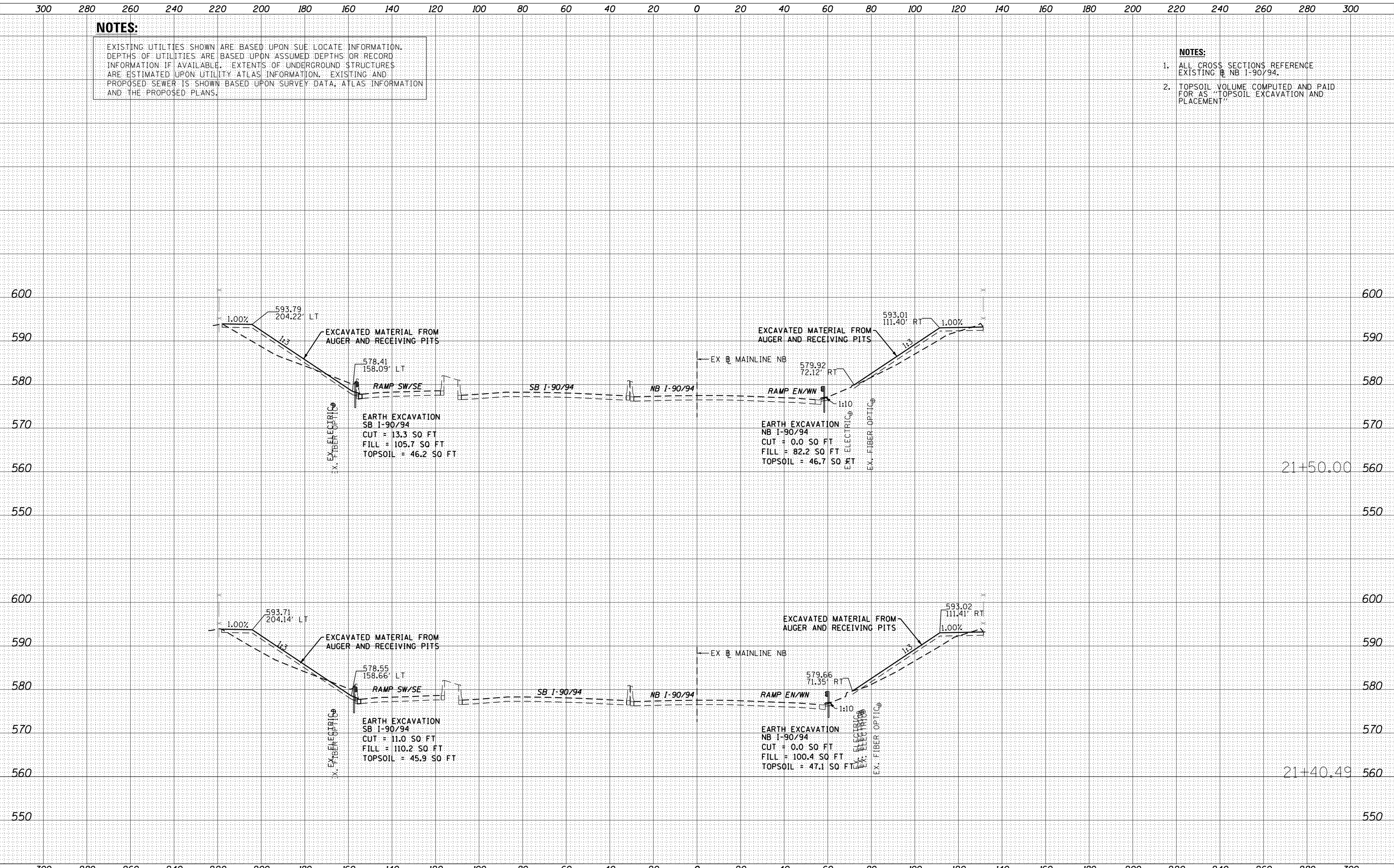
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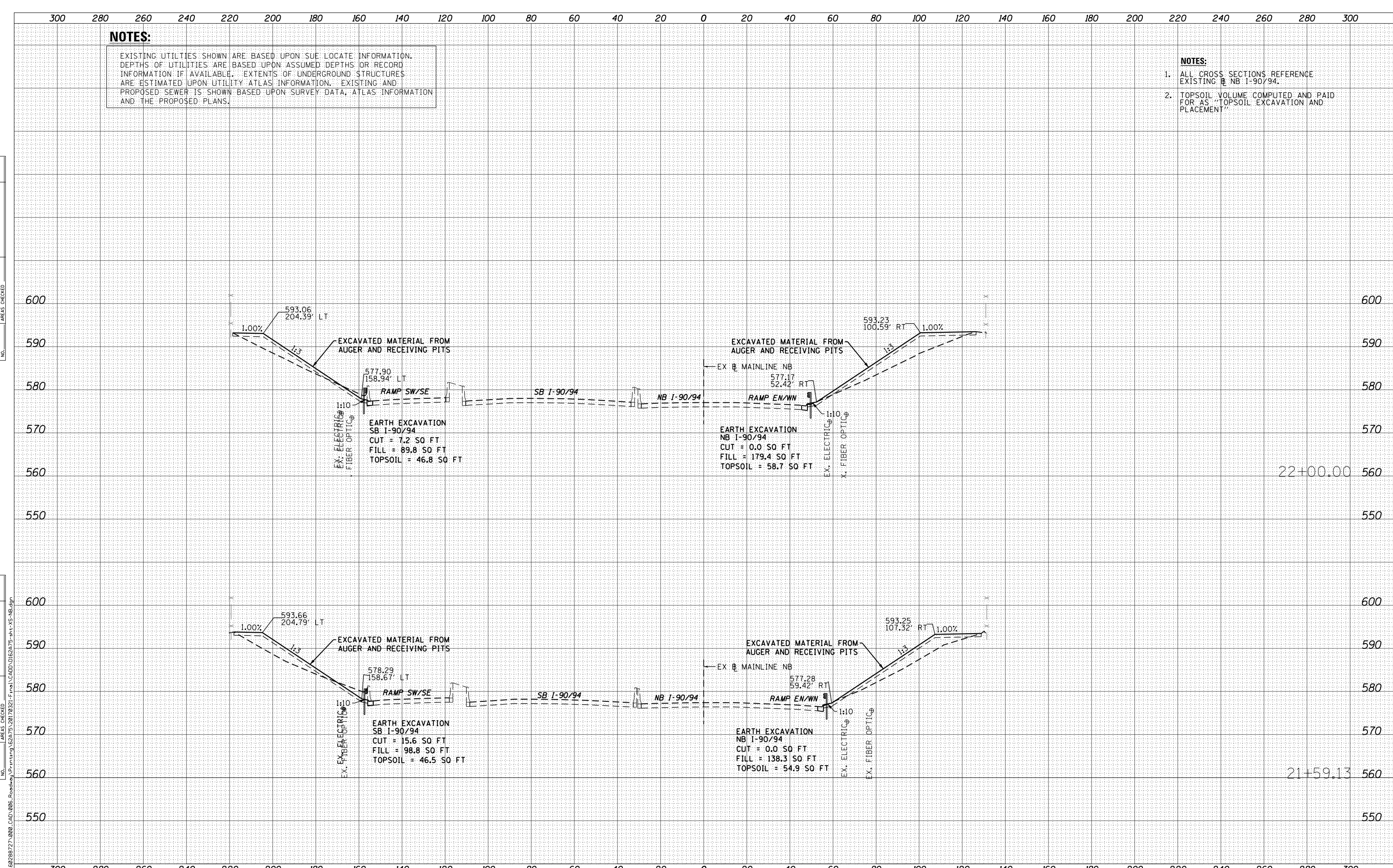
**NOTES:**  
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**NOTES:**  
 1. ALL CROSS SECTIONS REFERENCE EXISTING # NB 1-90/94.  
 2. TOPSOIL VOLUME COMPUTED AND PAID FOR AS "TOPSOIL EXCAVATION AND PLACEMENT"



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**NOTES:**  
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 2. TOPSOIL VOLUME COMPUTED AND PAID FOR AS "TOPSOIL EXCAVATION AND PLACEMENT"



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PLOT DATE = 3/20/2017	DATE - 03/21/2017	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 I-90/94 MAINLINE

SCALE: 1:10V, 1:20H SHEET 03 OF 5 SHEETS STA. 21+59.13 TO STA. 22+00.00

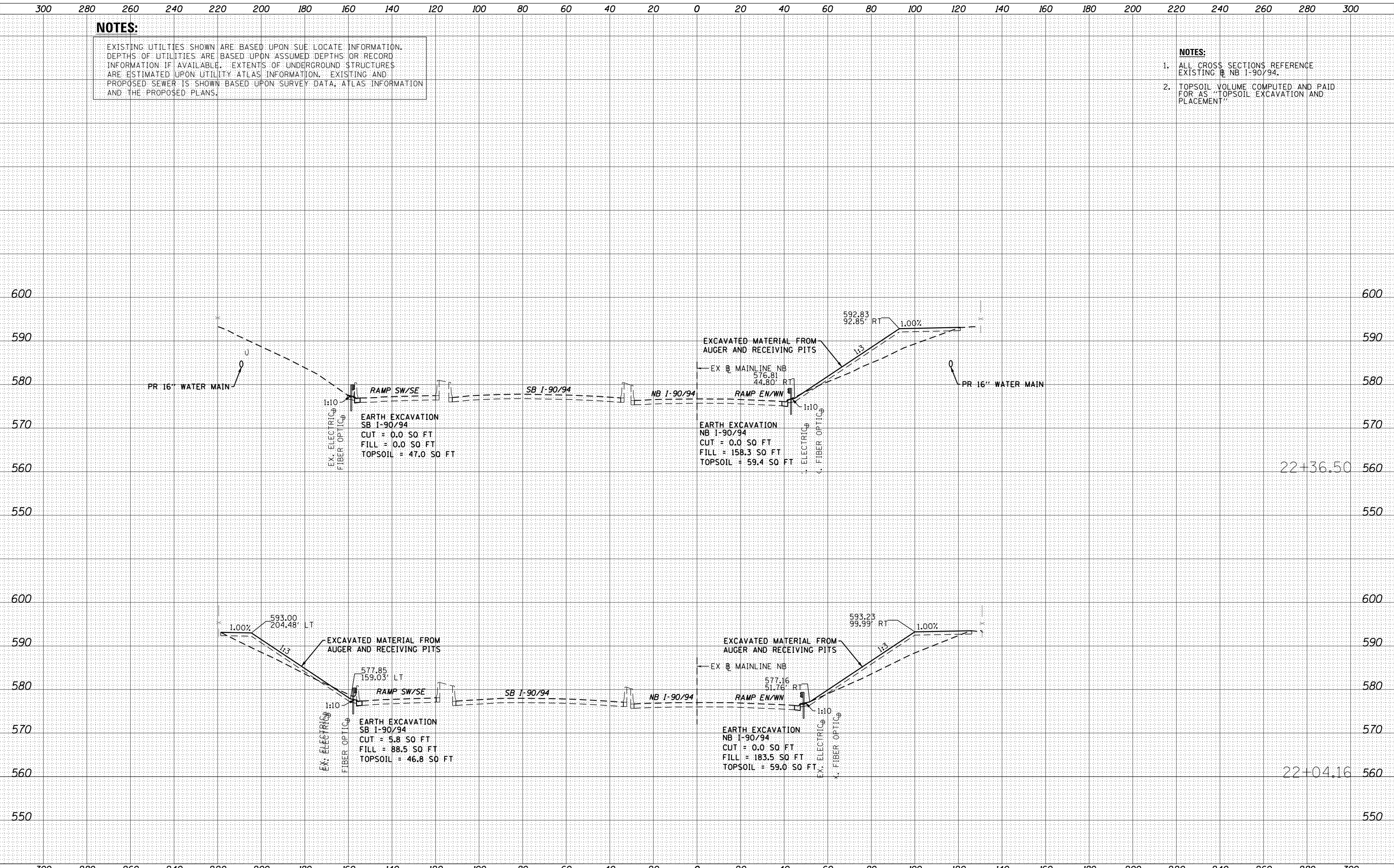
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90/94/290	2015-021-I	COOK	153	146
				CONTRACT NO. 62A75
ILLINOIS FED. AID PROJECT				

DATE	
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FINAL SURVEY	SURVEYED
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ORIGINAL SURVEY	SURVEYED
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	AREAS CHECKED

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**NOTES:**  
 1. ALL CROSS SECTIONS REFERENCE EXISTING @ NB 1-90/94.  
 2. TOPSOIL VOLUME COMPUTED AND PAID FOR AS "TOPSOIL EXCAVATION AND PLACEMENT"



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PLOT DATE = 3/20/2017	DATE - 03/21/2017	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 I-90/94 MAINLINE**

SCALE: 1:10V, 1:20H SHEET 04 OF 5 SHEETS STA. 22+04.16 TO STA. 22+36.50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-021-I	COOK	153	147
				CONTRACT NO. 62A75
ILLINOIS FED. AID PROJECT				

DATE	
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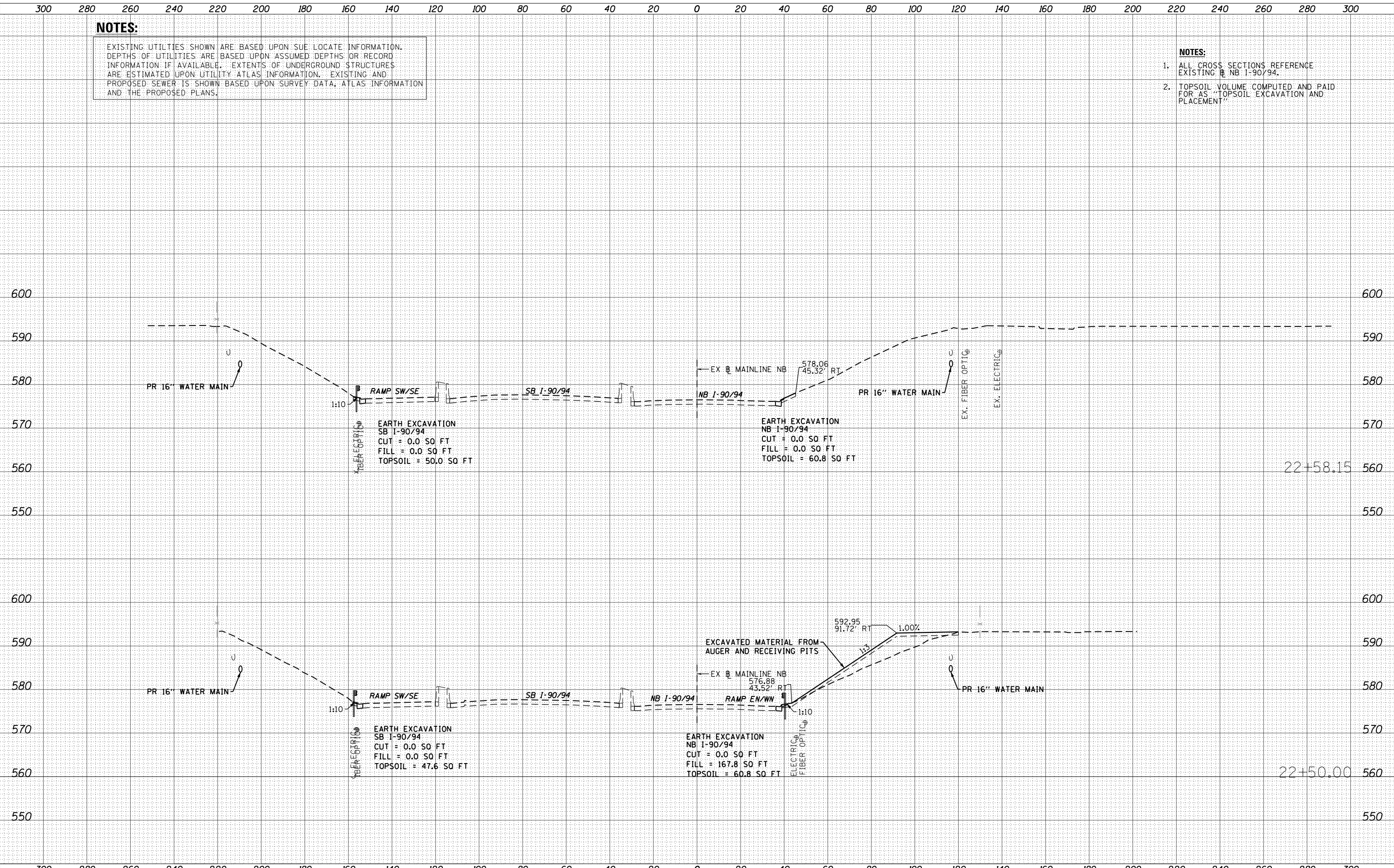
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**NOTES:**

1. ALL CROSS SECTIONS REFERENCE EXISTING @ NB I-90/94.
2. TOPSOIL VOLUME COMPUTED AND PAID FOR AS "TOPSOIL EXCAVATION AND PLACEMENT"



<p>303 EAST WACKER DRIVE, SUITE 1400 CHICAGO, IL 60601-5275 PHONE: (312) 373-7700 FAX: (312) 373-6800</p>	D162A75-sht-XS-NB.dgn	DESIGNED - SDH	REVISED -	<p align="center"><b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b></p> <p align="center"><b>CROSS SECTIONS I-90/94 MAINLINE</b></p> <p>SCALE: 1:10V, 1:20H    SHEET 05 OF 5 SHEETS    STA. 22+50.00 TO STA. 22+58.15</p>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = 3/20/2017	DATE - 03/21/2017	REVISED -		ILLINOIS FED. AID PROJECT					

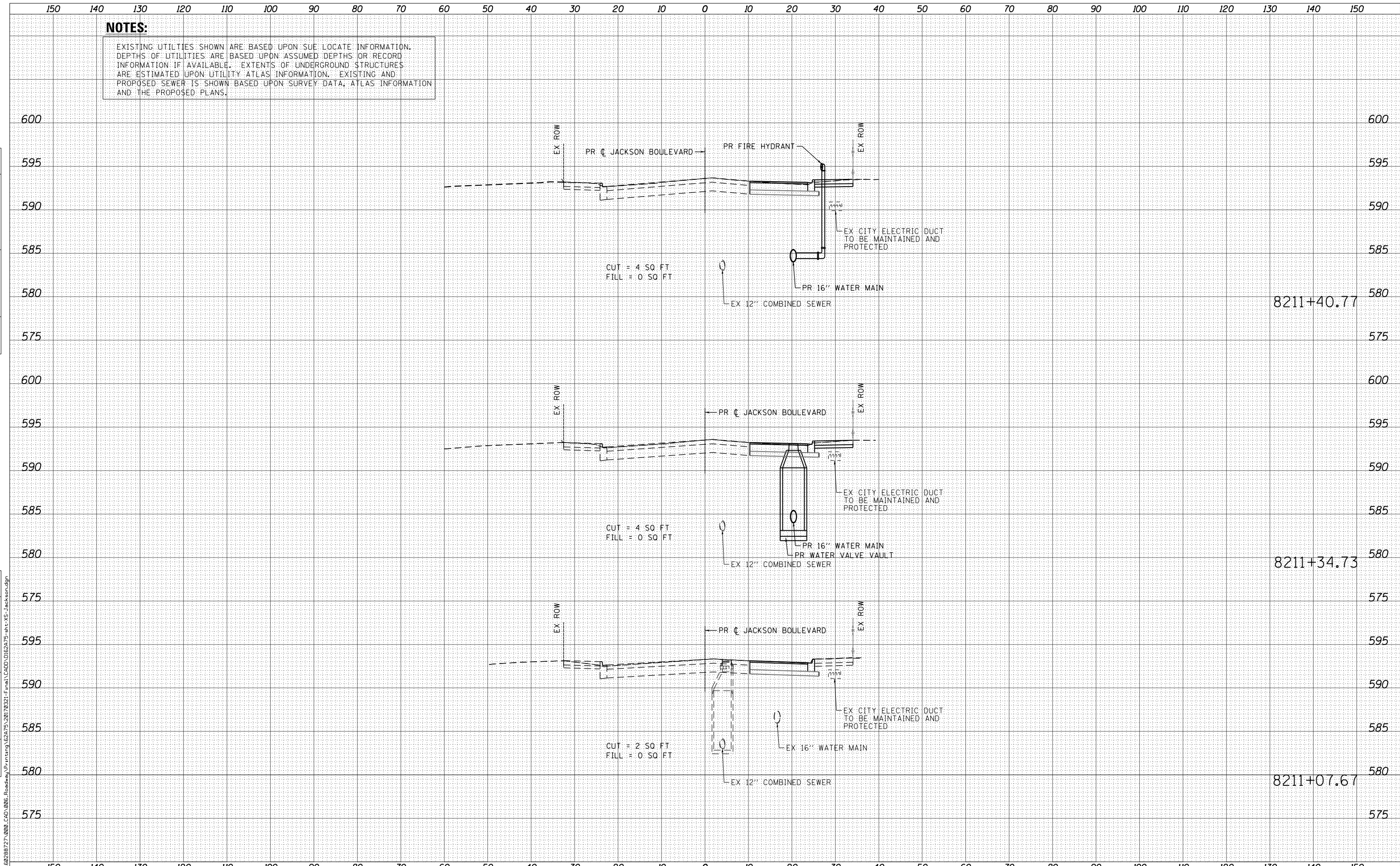


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PLOT DATE = 3/20/2017	DATE - 03/21/2017	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
JACKSON BOULEVARD**

SCALE: SHEET 1 OF 5 SHEETS STA. TO STA.

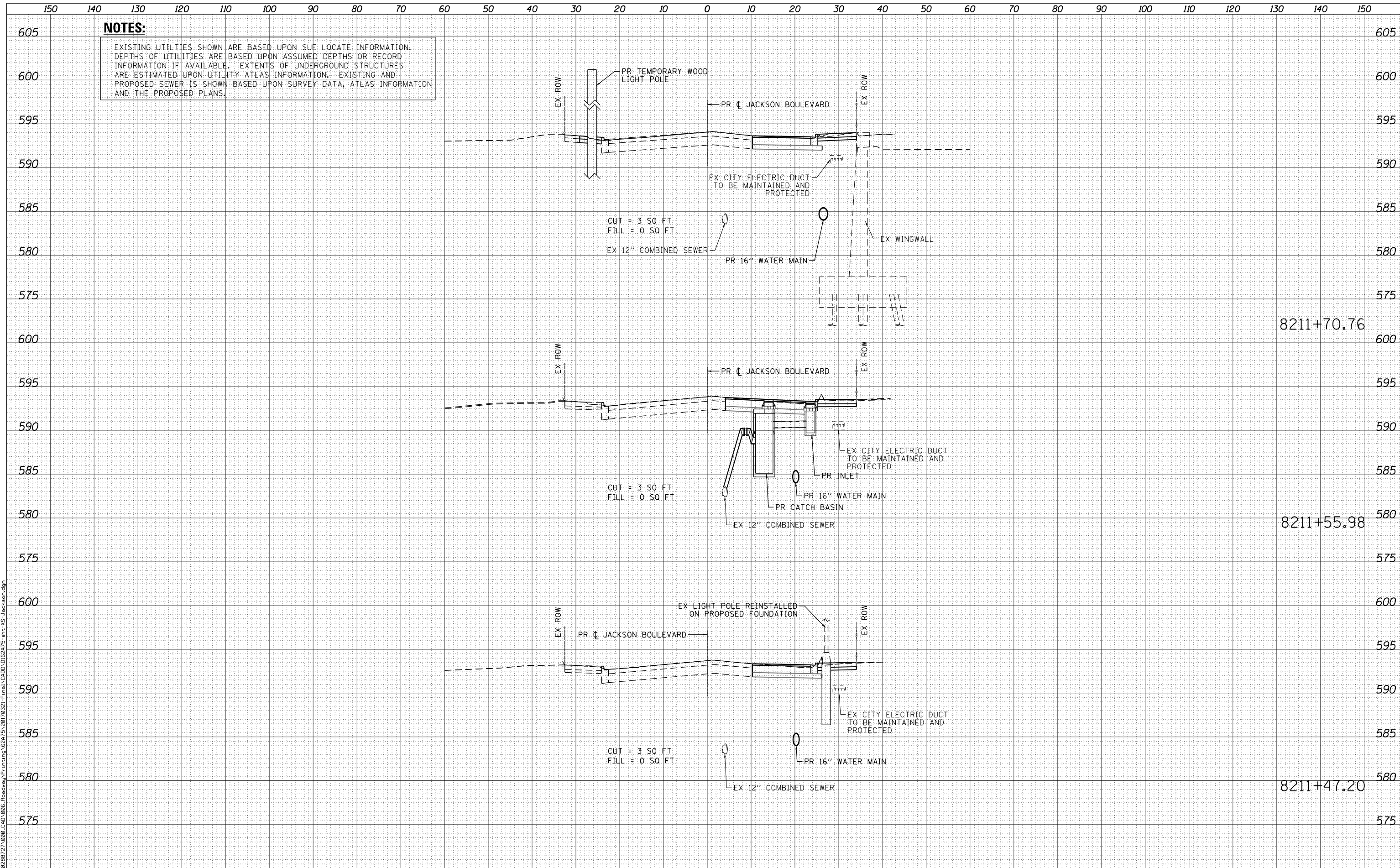
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90/94/290	2015-021-I	COOK	153	149
				CONTRACT NO. 62A75
ILLINOIS FED. AID PROJECT				

DATE	
BY	
ORIGINAL SURVEY NO.	
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NOTE BOOK	
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ORIGINAL SURVEY NO.	
SURVEYED PLOTTED AREAS CHECKED	
NOTE BOOK	
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8211+70.76

8211+55.98

8211+47.20



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 PLOT DATE = 3/20/2017

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DATE - 03/21/2017	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 JACKSON BOULEVARD**

SCALE: SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-021-I	COOK	153	150
				CONTRACT NO. 62A75

ILLINOIS FED. AID PROJECT

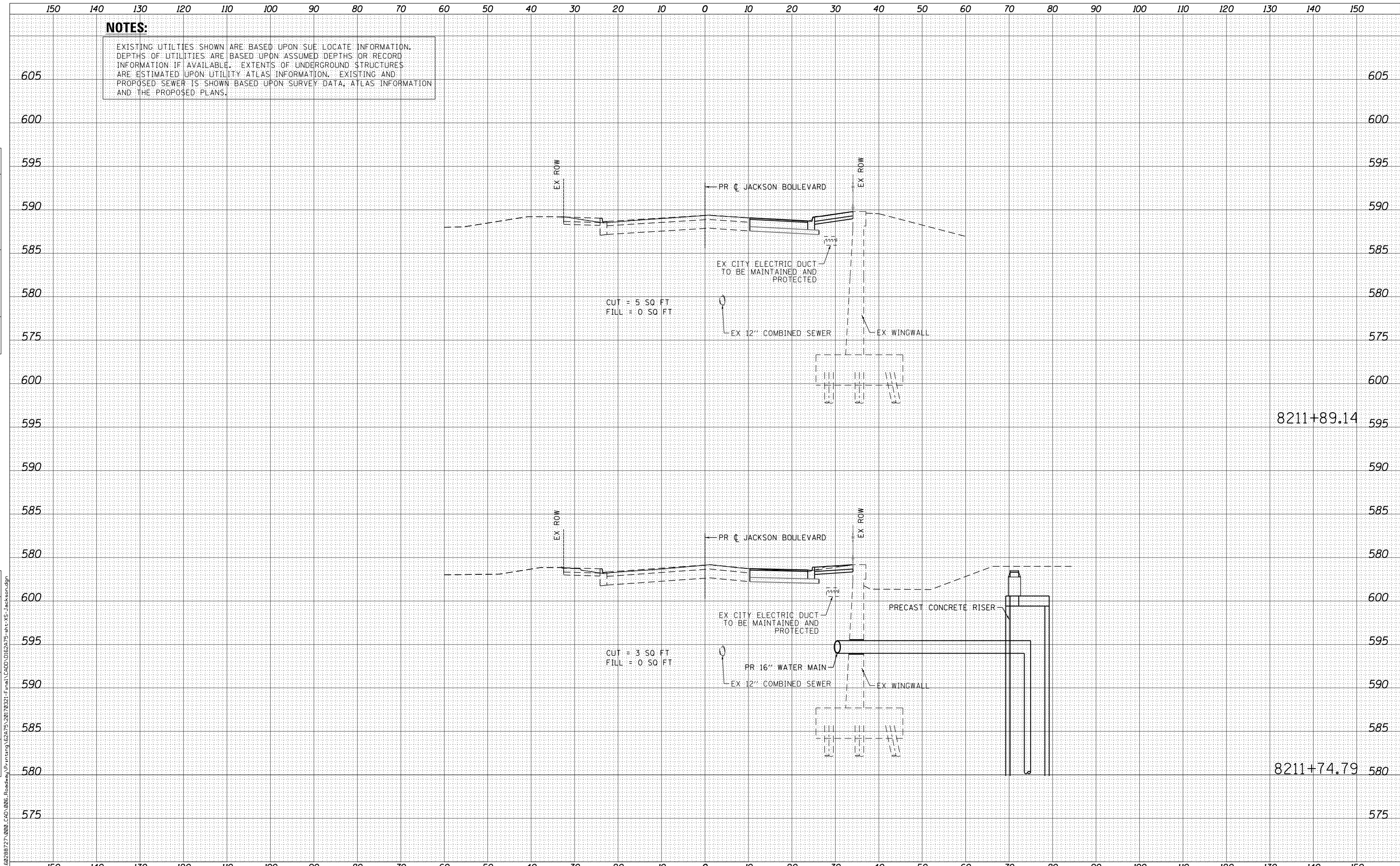
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NO.		FINAL SURVEY	NOTE BOOK	AREAS CHECKED

DATE	BY	SURVEYED	PLOTTED	AREAS CHECKED
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8211+89.14

8211+74.79



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DESIGNED - SDH	REVISED -
DRAWN - SDH	REVISED -
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DATE - 03/21/2017	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 JACKSON BOULEVARD**

SCALE: SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-021-I	COOK	153	151
CONTRACT NO. 62A75				

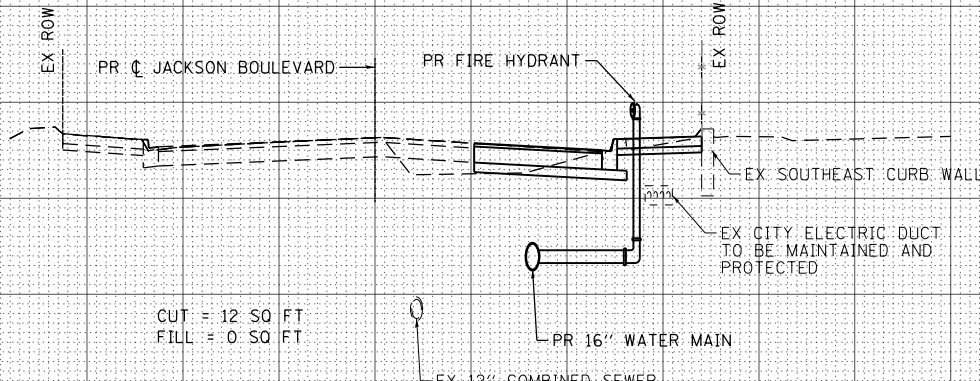
ILLINOIS FED. AID PROJECT

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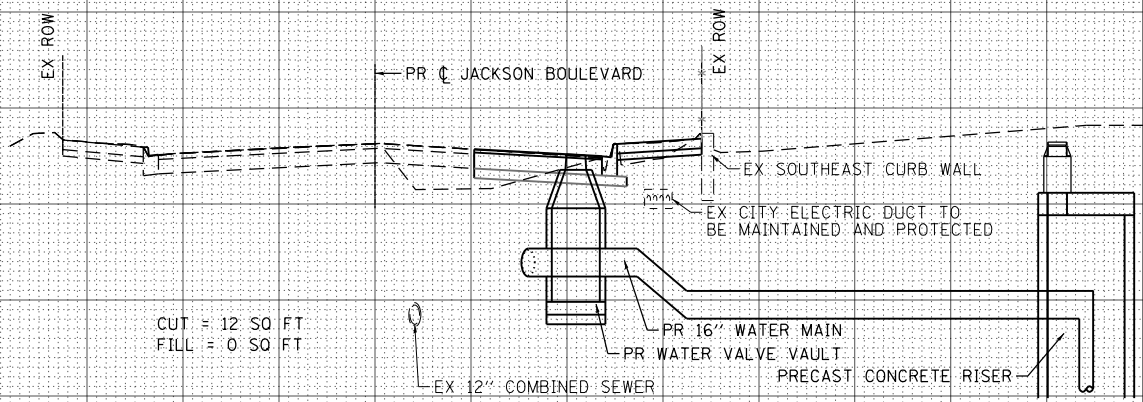
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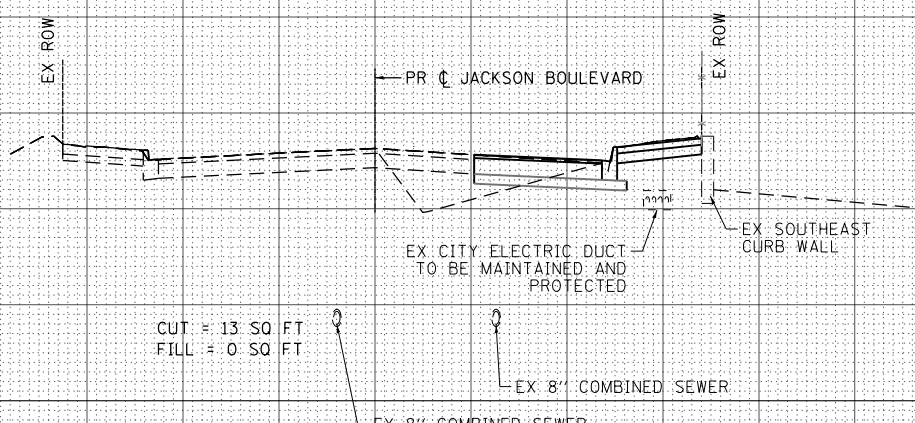
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FILL = 0 SQ FT

8215+10.42



CUT = 12 SQ FT  
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8215+01.43



CUT = 13 SQ FT  
FILL = 0 SQ FT

8214+83.91



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PLOT SCALE = 20.0000' / in.  
PLOT DATE = 3/20/2017

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DATE - 03/21/2017	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
JACKSON BOULEVARD**

SCALE: SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-021-I	COOK	153	152
				CONTRACT NO. 62A75

ILLINOIS FED. AID PROJECT

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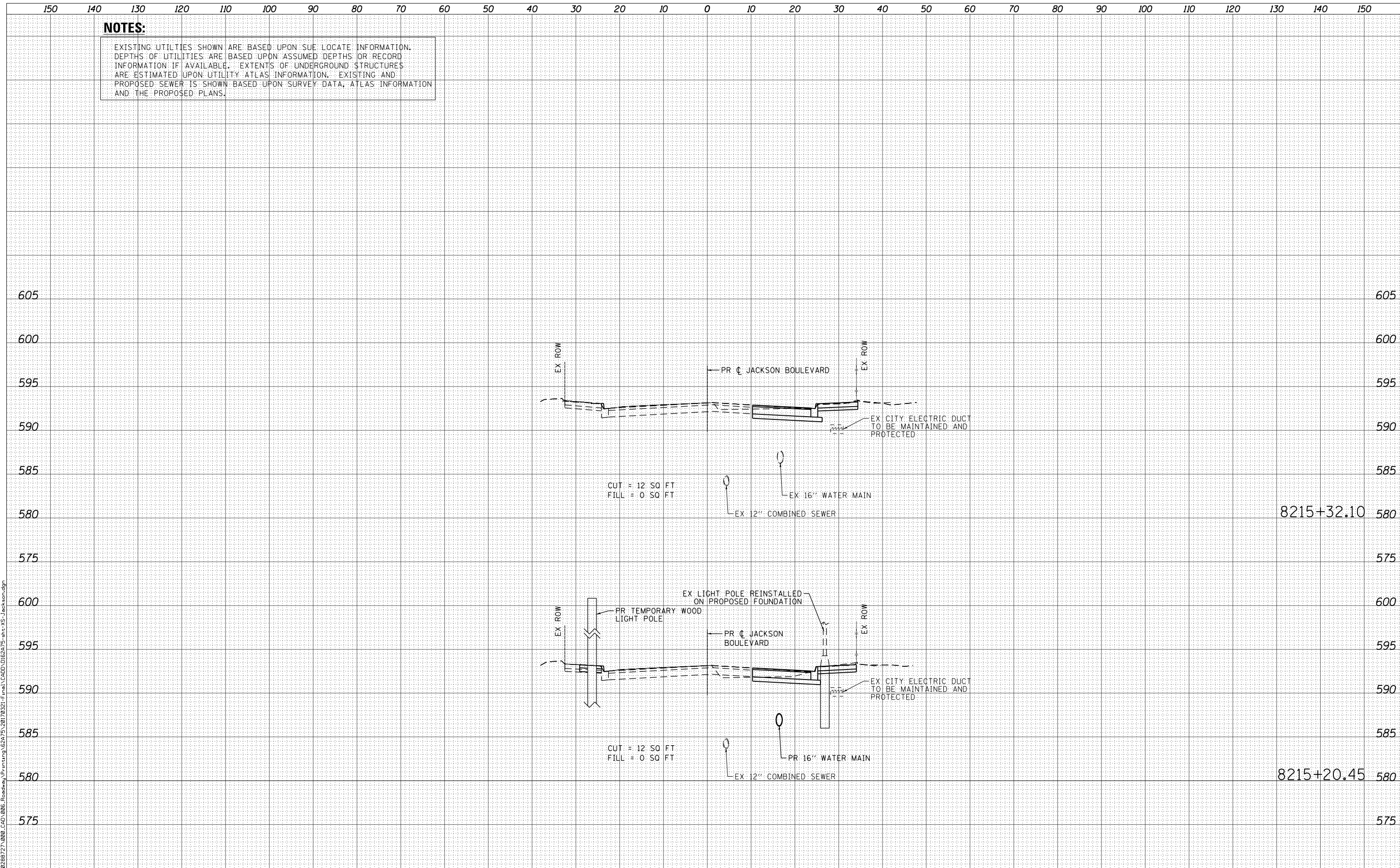
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		NOTE BOOK	NO.
		FINISH	NO.

DATE	BY	SURVEYED	PLOTTED
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		NOTE BOOK	NO.
		ORIGINAL	NO.

FILE PATH = P:\028872\000\_CAD\006\_Roadway\Printing\2017\021-Final\CADD\0162A75-sht-XS-Jackson.dgn



D162A75-sht-XS-Jackson.dgn  
 USER NAME = ChiuA  
 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 3/20/2017

DESIGNED - SDH	REVISED -
DRAWN - SDH	REVISED -
CHECKED - MJE	REVISED -
DATE - 03/21/2017	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 JACKSON BOULEVARD**

SCALE: SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-021-I	COOK	153	153
CONTRACT NO. 62A75				

ILLINOIS FED. AID PROJECT