

MATCH LINE STA 328+00 EB I-290  
SEE SHEET 102

- \* FROM PREVIOUS STAGE TO REMAIN
- \*\* FROM CONTRACT 60X78 TO REMAIN
- \*\*\* FROM CONTRACT 60X77 TO REMAIN

**LEGEND**

- WORK ZONE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH FLASHING LIGHT

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PLOT DATE = 12/15/2016	DATE - 12/14/16	REVISED -

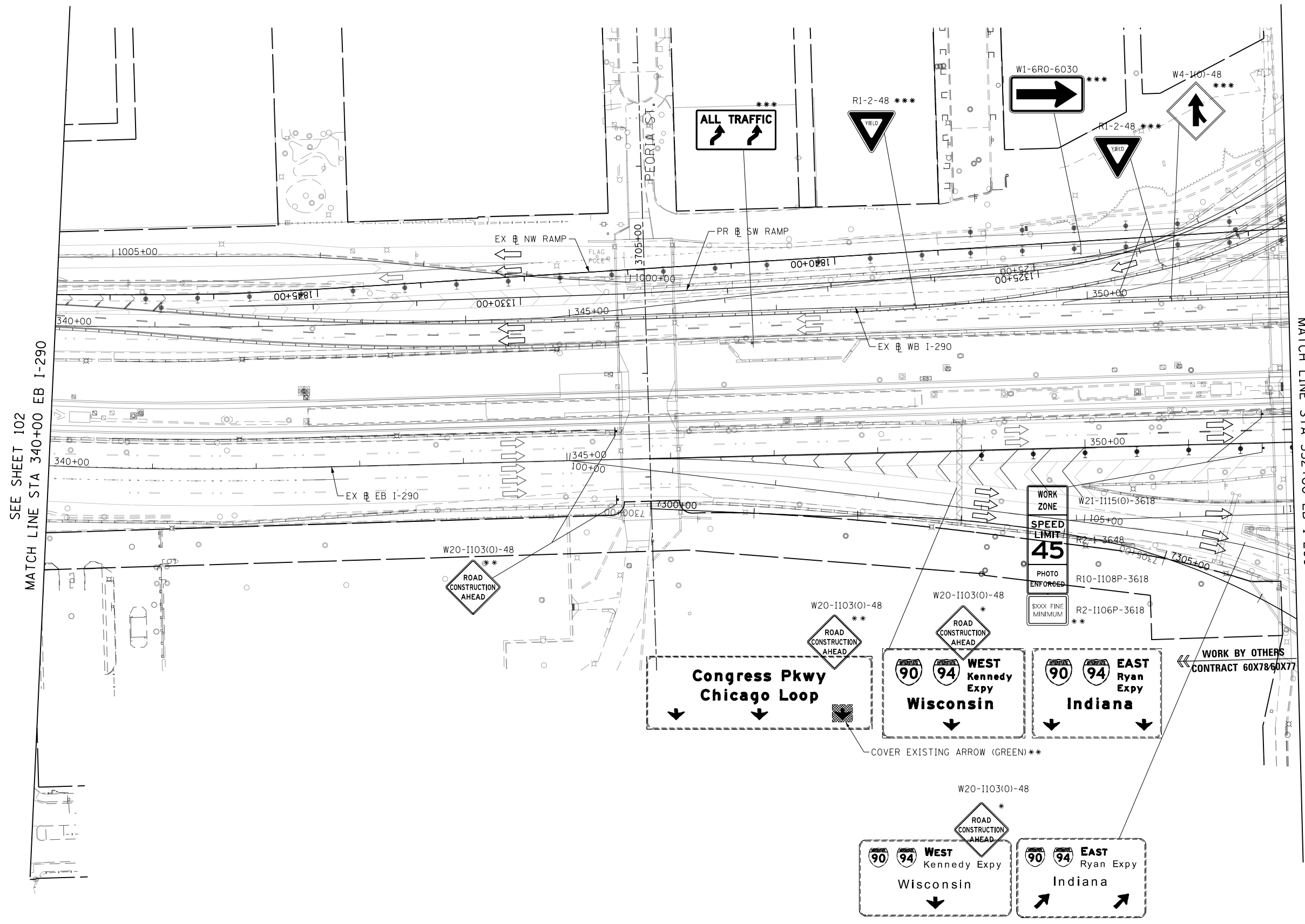
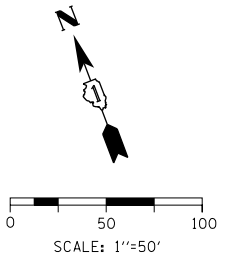
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGING OF CONSTRUCTION AND TRAFFIC CONTROL  
I-290 STAGE 1B**

SCALE: 1"=50'    SHEET 13 OF 18 SHEETS    STA. 316+00 TO STA. 328+00

F.A.I. RTE. 90/94/290	SECTION 2014-017B	COUNTY COOK	TOTAL SHEETS 442	SHEET NO. 101
CONTRACT NO. 60X99			ILLINOIS FED. AID PROJECT	





SEE SHEET 97  
MATCH LINE STA 352+00 EB I-290

SEE SHEET 102  
MATCH LINE STA 340+00 EB I-290

- \* FROM PREVIOUS STAGE TO REMAIN
- \*\* FROM CONTRACT 60X78 TO REMAIN
- \*\*\* FROM CONTRACT 60X77 TO REMAIN

**LEGEND**

- WORK ZONE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW SIGN
- ARROW BOARD
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH FLASHING LIGHT

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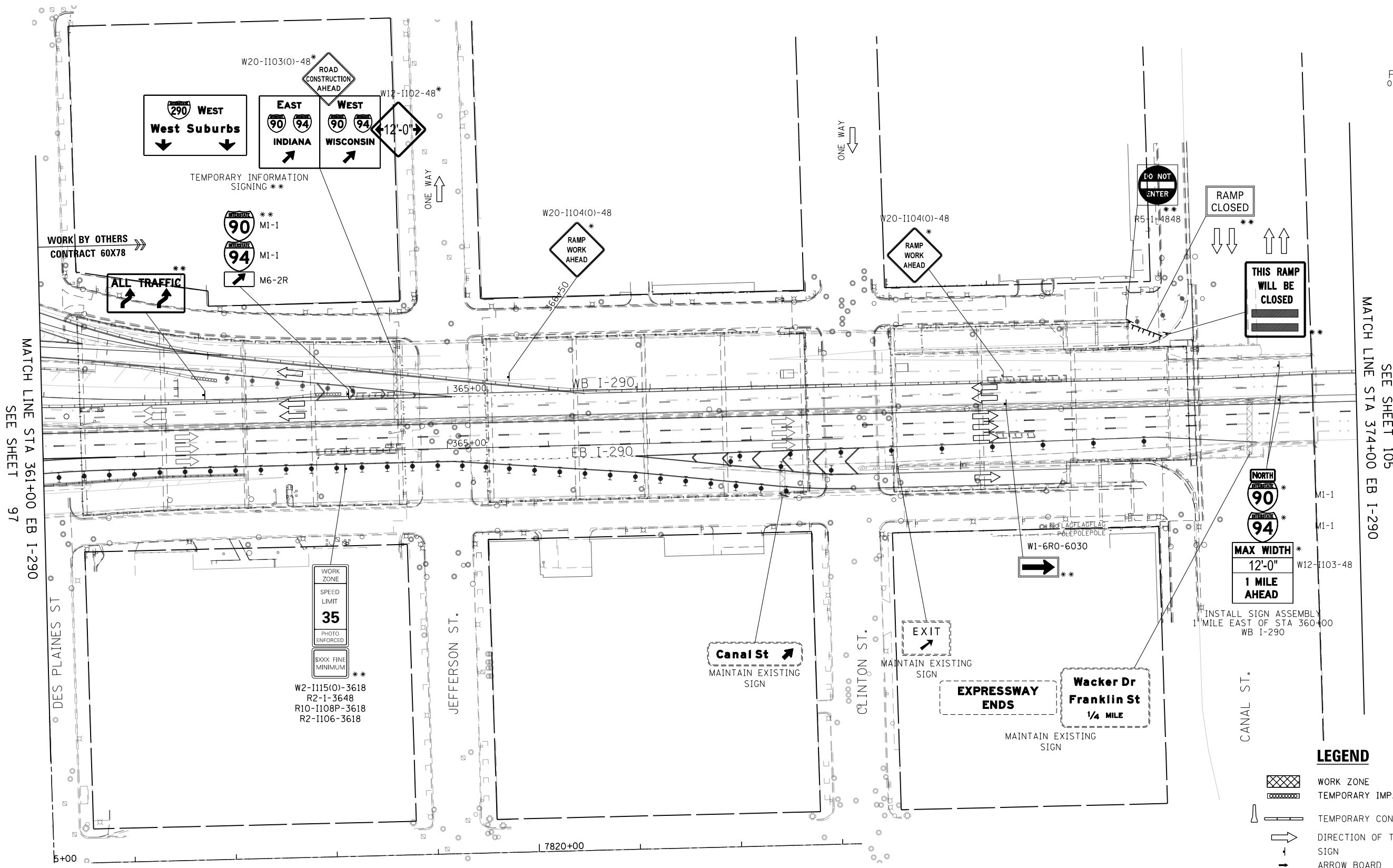
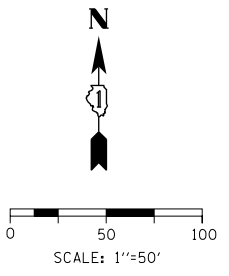
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PLOT DATE = 12/15/2016	DATE - 12/14/16	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGING OF CONSTRUCTION AND TRAFFIC CONTROL  
I-290 STAGE 1B**

SCALE: 1"=50'    SHEET 15 OF 18 SHEETS    STA. 340+00 TO STA. 352+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	103
			CONTRACT NO. 60X99	
ILLINOIS FED. AID PROJECT				



MATCH LINE STA 361+00 EB I-290  
SEE SHEET 97

MATCH LINE STA 374+00 EB I-290  
SEE SHEET 105

WORK ZONE  
SPEED LIMIT  
**35**  
PHOTO ENFORCED  
XXXX FINE MINIMUM

W2-1115(0)-3618  
R2-1-3648  
R10-1108P-3618  
R2-1106-3618

\* FROM PREVIOUS STAGE TO REMAIN  
\*\* FROM CONTRACT 60X78 TO REMAIN

NOTES:  
1. ALL STATIONS AND OFFSETS ARE MEASURED FROM EX EB I-290 & RAMP ALIGNMENTS UNLESS OTHERWISE NOTED.

- LEGEND**
- WORK ZONE
  - TEMPORARY IMPACT ATTENUATOR
  - TEMPORARY CONCRETE BARRIER
  - DIRECTION OF TRAFFIC FLOW SIGN
  - ARROW BOARD
  - TYPE III BARRICADE
  - TYPE II BARRICADE OR DRUM WITH FLASHING LIGHT

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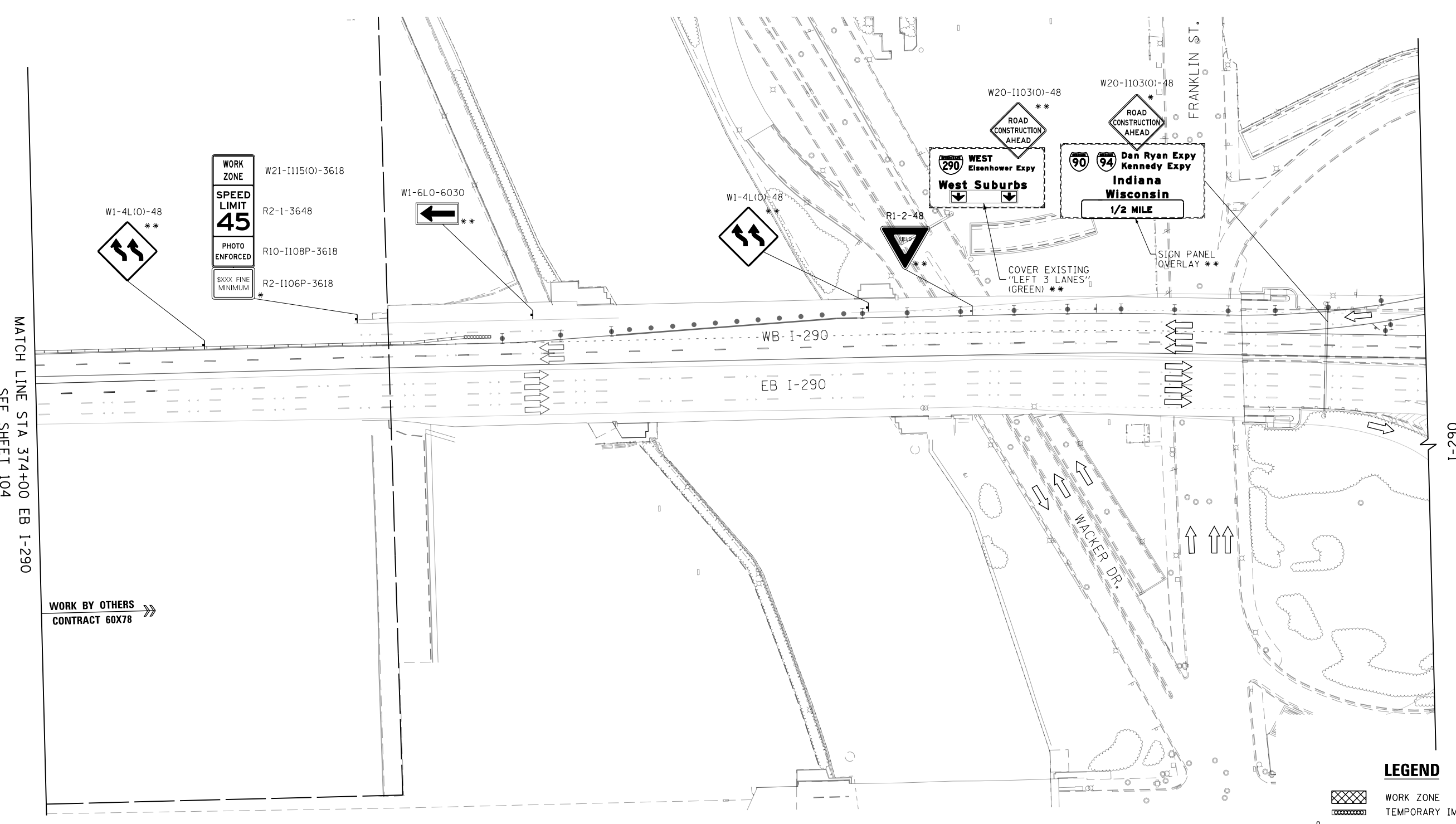
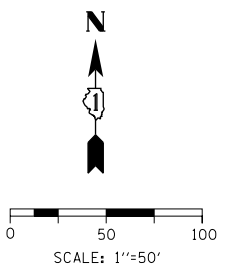
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CHECKED - JLV	REVISED -
DATE - 12/14/16	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGING OF CONSTRUCTION AND TRAFFIC CONTROL  
I-290 STAGE 1B**

SCALE: 1"=50'    SHEET 16 OF 18 SHEETS    STA. 361+00 TO STA. 374+00

F.A.I. RTE. 90/94/290	SECTION 2014-017B	COUNTY COOK	TOTAL SHEETS 442	SHEET NO. 104
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X99	



WORK ZONE	W21-1115(0)-3618
SPEED LIMIT 45	R2-1-3648
PHOTO ENFORCED	R10-1108P-3618
XXXX FINE MINIMUM	R2-1106P-3618

MATCH LINE STA 374+00 EB I-290  
SEE SHEET 104

WORK BY OTHERS  
CONTRACT 60X78

**LEGEND**

- WORK ZONE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW SIGN
- ARROW BOARD
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH FLASHING LIGHT

NOTES:  
 1. ALL STATIONS AND OFFSETS ARE MEASURED FROM EX I-290 & RAMP ALIGNMENTS UNLESS OTHERWISE NOTED.  
 \* FROM PREVIOUS STAGE TO REMAIN  
 \*\* FROM CONTRACT 60X78 TO REMAIN

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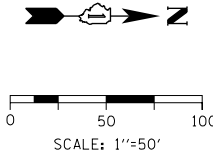
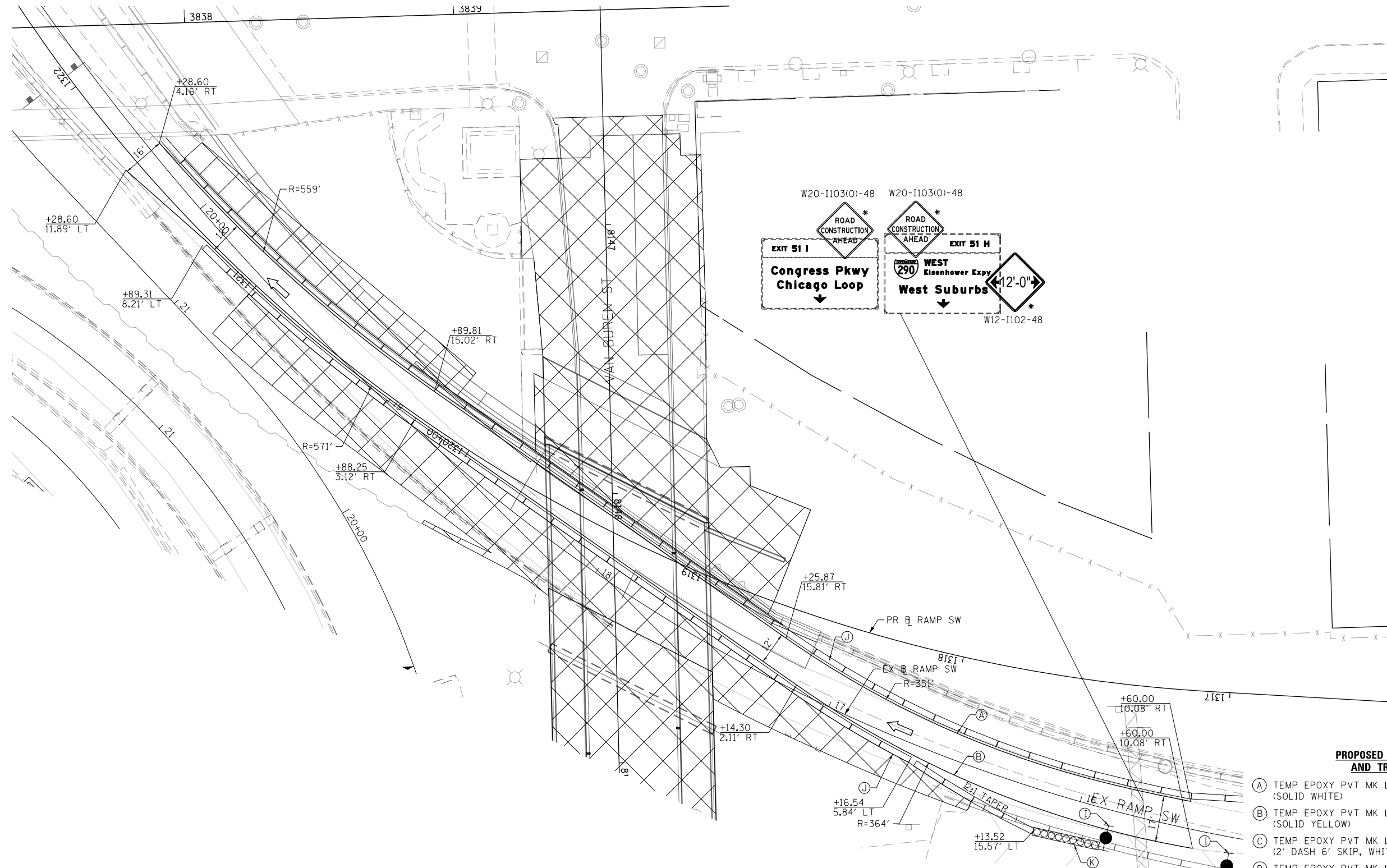
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CHECKED - JLV	REVISED -
DATE - 12/14/16	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SUGGESTED STAGING OF CONSTRUCTION AND TRAFFIC CONTROL I-290 STAGE 1B</b>			
SCALE: 1"=50'	SHEET 17	OF 18 SHEETS	STA. 374+00 TO STA. 387+00

F.A.I. RTE. 90/94/290	SECTION 2014-017B	COUNTY COOK	TOTAL SHEETS 442	SHEET NO. 105
CONTRACT NO. 60X99				ILLINOIS FED. AID PROJECT

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**LEGEND**

- WORK ZONE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH FLASHING LIGHT

- \* FROM PREVIOUS STAGE TO REMAIN
- \*\* FROM CONTRACT 60X78 TO REMAIN
- \*\*\* FROM CONTRACT 60X77 TO REMAIN

- NOTES:**
1. ALL STATIONS AND OFFSETS ARE MEASURED FROM EX @ I-90/94 & RAMP ALIGNMENTS UNLESS OTHERWISE NOTED.
  2. TEMPORARY TRAFFIC CONTROL PAVEMENT MARKINGS SHALL MATCH TO THE CURRENT STAGE OF TRAFFIC CONTROL FOR CONTRACT 60X78. FURTHER COORDINATION OF TEMP. MARKINGS AND DEVICES ALONG NORTHBOUND I-90/94 WILL BE REQUIRED.
  3. TEMPORARY TRAFFIC CONTROL PAVEMENT MARKINGS SHALL MATCH TO THE CURRENT STAGE OF TRAFFIC CONTROL FOR CONTRACT 60X77.
  4. TEMPORARY TRAFFIC CONTROL PAVEMENT MARKINGS SHALL MATCH TO THE CURRENT STAGE OF TRAFFIC CONTROL FOR CONTRACT 60X78
  5. TEMPORARY TRAFFIC CONTROL PAVEMENT MARKINGS SHALL MATCH TO THE CURRENT STAGE OF TRAFFIC CONTROL FOR CONTRACTS 62A75 AND 60X95.

**PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES**

- (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE)
- (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW)
- (C) TEMP EPOXY PVT MK LINE 4 (2' DASH 6' SKIP, WHITE)
- (D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE)
- (E) TEMP EPOXY PVT MK LINE 8 (SOLID WHITE)
- (F) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP)
- (G) TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (H) IMPACT ATTENUATOR, TEMPORARY, TEST LEVEL 3 (SEE SCHEDULE)
- (I) TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMP @ 100' C-C (TYP) ON TANGENTS
- (J) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (K) IMPACT ATTENUATOR, RELOCATE (SEE SCHEDULE)
- (L) TEMP EPOXY PVT MK LINE 8 (3' DASH 9' SKIP, WHITE)
- (M) PINNING TEMPORARY CONCRETE BARRIER
- (N) PERMANENT PAVEMENT MARKING TO REMAIN (SEE PAVEMENT MARKING PLAN FOR DETAIL)
- (O) TEMPORARY CONCRETE BARRIER TO REMAIN PERMANENTLY
- (P) RELOCATE TEMPORARY CONCRETE BARRIER, STATE OWNED



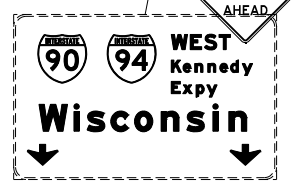
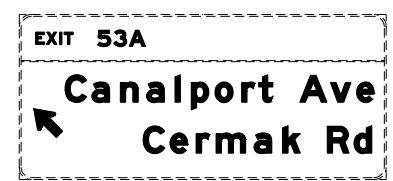
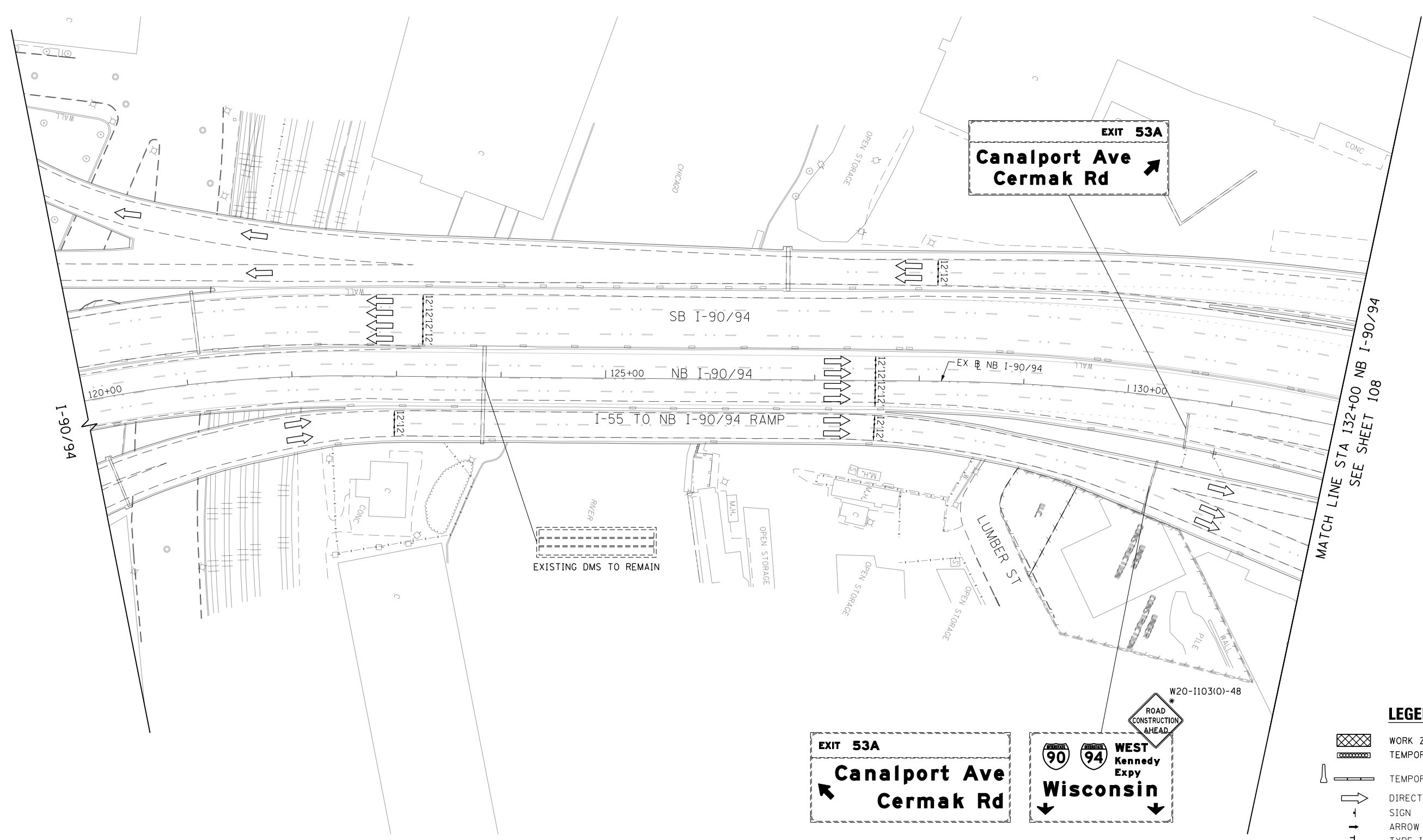
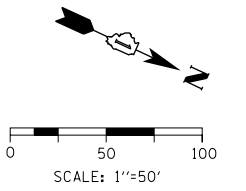
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGING OF CONSTRUCTION AND TRAFFIC CONTROL  
RAMP SW STAGE 1B**

SCALE: 1"=20'      SHEET 18 OF 18 SHEETS      STA. 9+00 TO STA. 21+00

F.A.I. RTE. 90/94/290	SECTION 2014-017B	COUNTY COOK	TOTAL SHEETS 442	SHEET NO. 106
CONTRACT NO. 60X99				ILLINOIS FED. AID PROJECT



**LEGEND**

- WORK ZONE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW SIGN
- ARROW BOARD
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH FLASHING LIGHT

\* FROM PREVIOUS STAGE TO REMAIN

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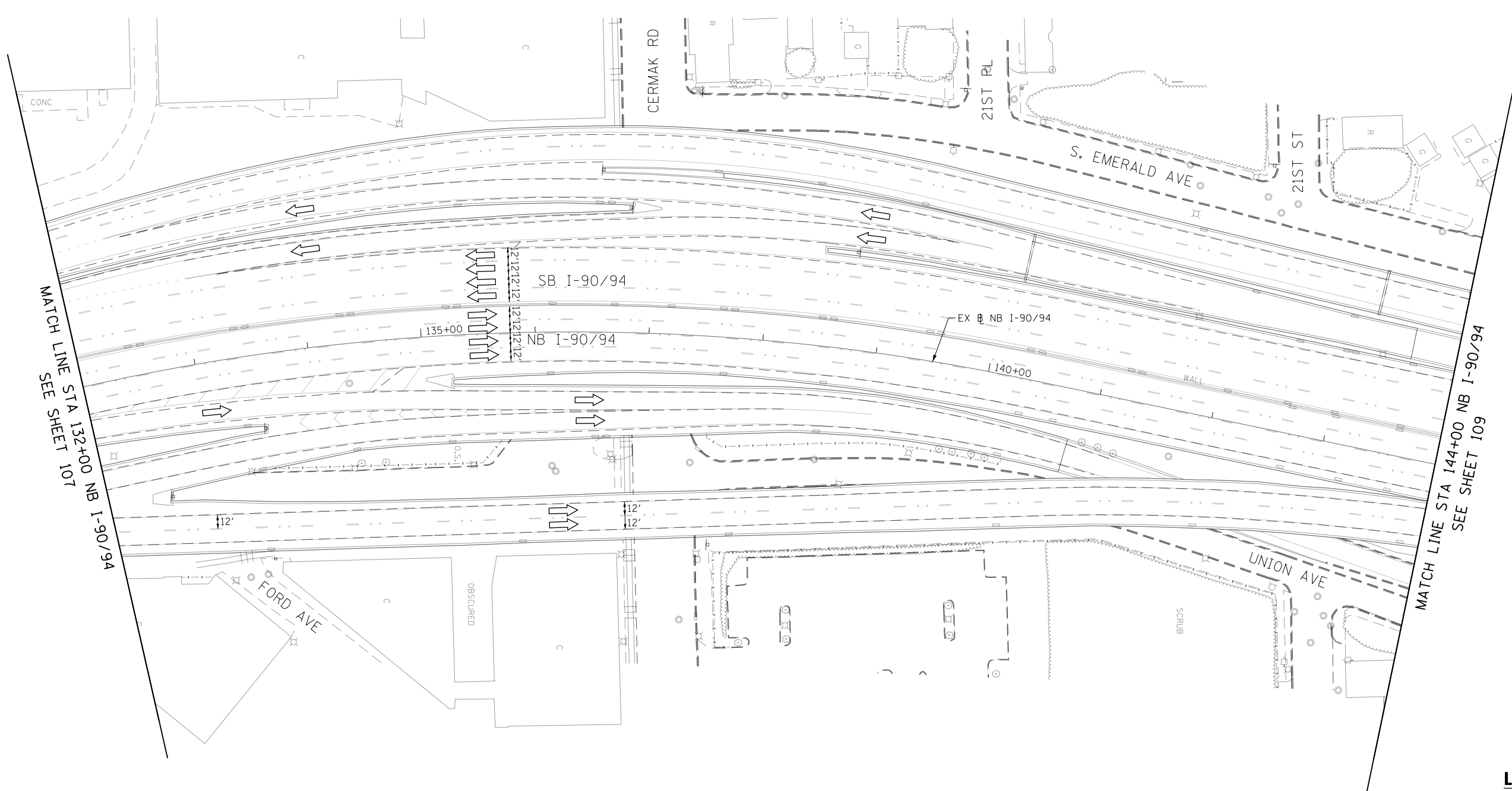
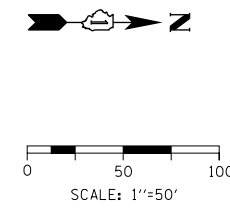
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DESIGNED - MKW	REVISED -
DRAWN - BAW	REVISED -
CHECKED - JLV	REVISED -
DATE - 12/14/16	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SUGGESTED STAGING OF CONSTRUCTION AND TRAFFIC CONTROL</b>			
<b>I-90/94 STAGE 2</b>			
SCALE: 1"=50'	SHEET 1	OF 17 SHEETS	STA. 120+00 TO STA. 132+00

F.A.I. RTE. 90/94/290	SECTION 2014-017B	COUNTY COOK	TOTAL SHEETS 442	SHEET NO. 107
CONTRACT NO. 60X99				ILLINOIS FED. AID PROJECT



**LEGEND**

	WORK ZONE
	TEMPORARY IMPACT ATTENUATOR
	TEMPORARY CONCRETE BARRIER
	DIRECTION OF TRAFFIC FLOW
	SIGN
	ARROW BOARD
	TYPE III BARRICADE
	TYPE II BARRICADE OR DRUM WITH FLASHING LIGHT

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PLOT SCALE = 100.0000' / in.
PLOT DATE = 12/15/2016

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DATE - 12/14/16	REVISED -









**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

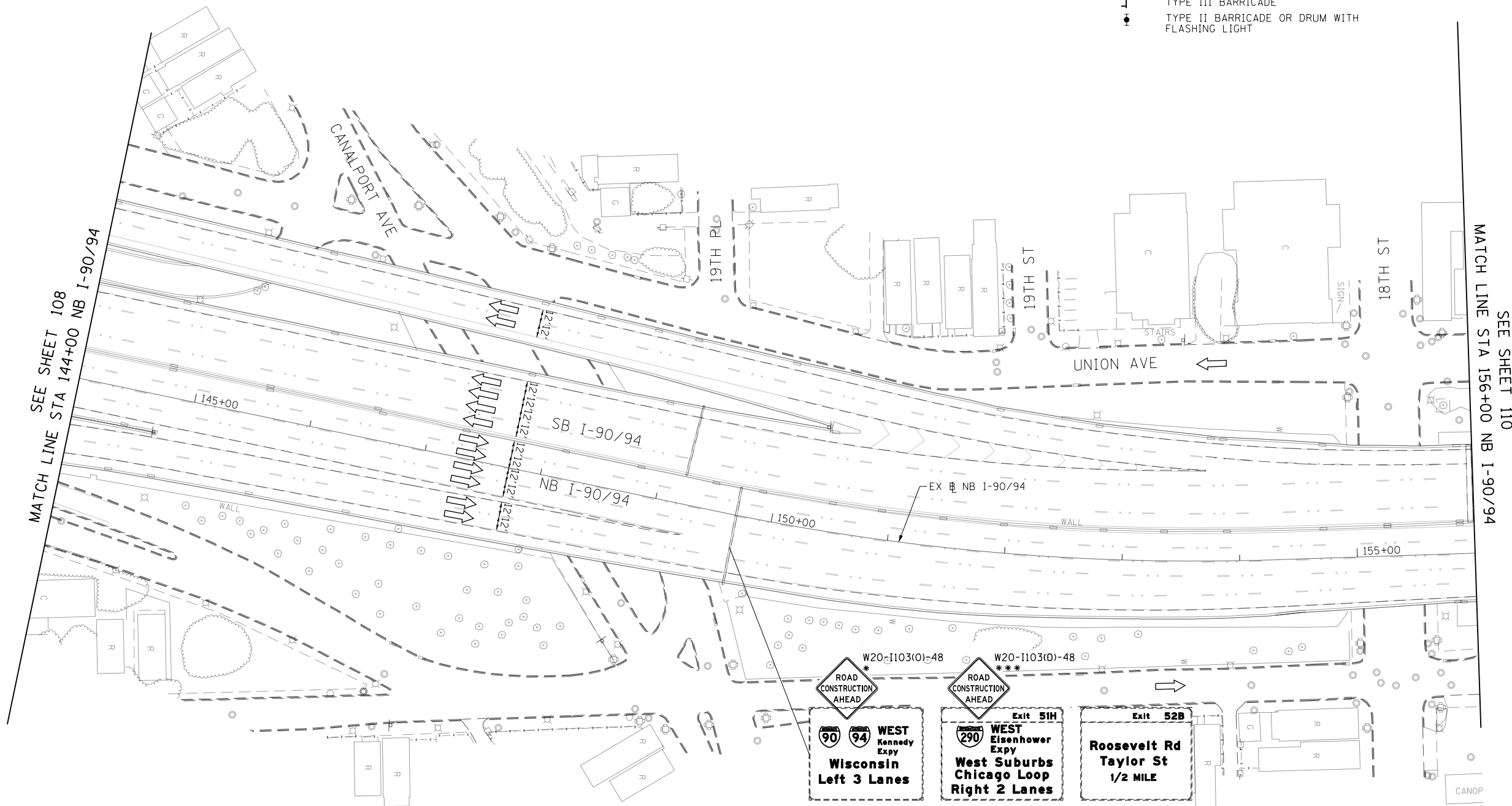
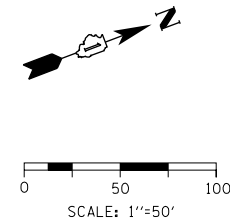
<b>SUGGESTED STAGING OF CONSTRUCTION AND TRAFFIC CONTROL</b>			
<b>I-90/94 STAGE 2</b>			
SCALE: 1"=50'	SHEET 2	OF 17 SHEETS	STA. 132+00 TO STA. 144+00

F.A.I. RTE. 90/94/290	SECTION 2014-017B	COUNTY COOK	TOTAL SHEETS 442	SHEET NO. 108
CONTRACT NO. 60X99				
ILLINOIS FED. AID PROJECT				



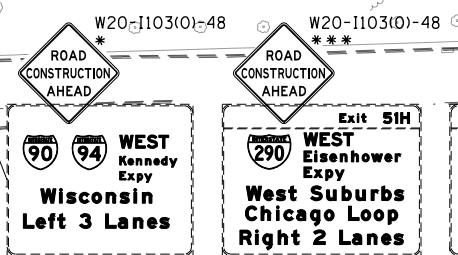
**LEGEND**

-  WORK ZONE
-  TEMPORARY IMPACT ATTENUATOR
-  TEMPORARY CONCRETE BARRIER
-  DIRECTION OF TRAFFIC FLOW
-  SIGN
-  ARROW BOARD
-  TYPE III BARRICADE
-  TYPE II BARRICADE OR DRUM WITH FLASHING LIGHT



SEE SHEET 108  
MATCH LINE STA 144+00 NB I-90/94

SEE SHEET 110  
MATCH LINE STA 156+00 NB I-90/94



\* FROM PREVIOUS STAGE TO REMAIN  
\*\*\* FROM CONTRACT 60X77 TO REMAIN

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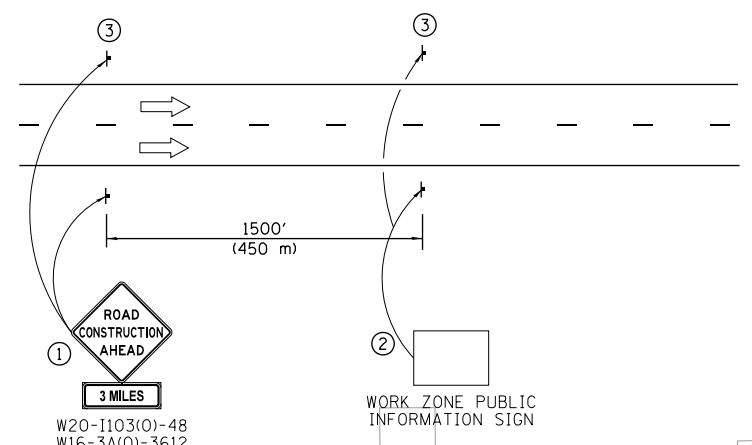
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

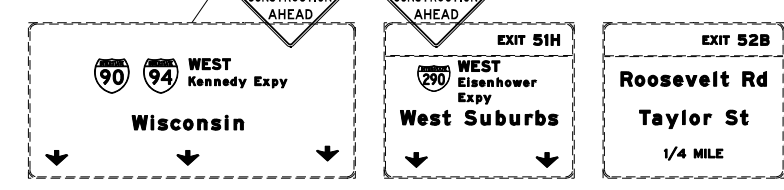
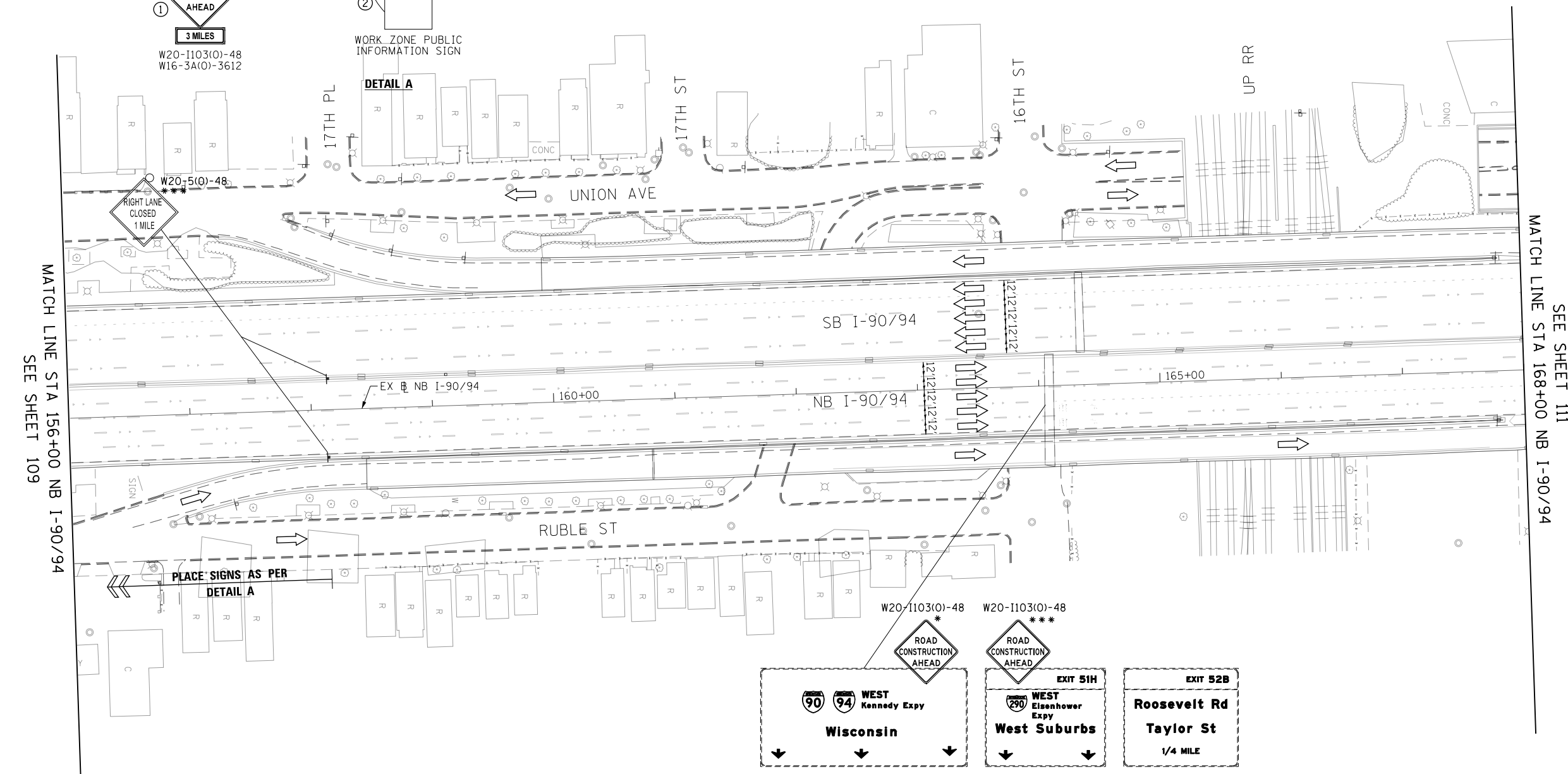
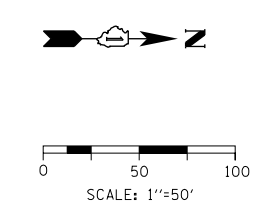
<b>SUGGESTED STAGING OF CONSTRUCTION AND TRAFFIC CONTROL</b>			
<b>I-90/94 STAGE 2</b>			
SCALE: 1"=50'	SHEET 3	OF 17 SHEETS	STA. 144+00 TO STA. 156+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	109
			CONTRACT NO. 60X99	
ILLINOIS FED. AID PROJECT				

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- ① The Road Construction Ahead sign shall be located 3 to 5 miles in advance of the project limits.
- ② The message and size of the Work Zone Public Information Sign shall be as specified by the Department.
- ③ This sign shall be omitted when median width is less than 10' (3 m).



\* FROM PREVIOUS STAGE TO REMAIN  
 \*\*\* FROM CONTRACT 60X77 TO REMAIN

**LEGEND**

- WORK ZONE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW SIGN
- ARROW BOARD
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH FLASHING LIGHT



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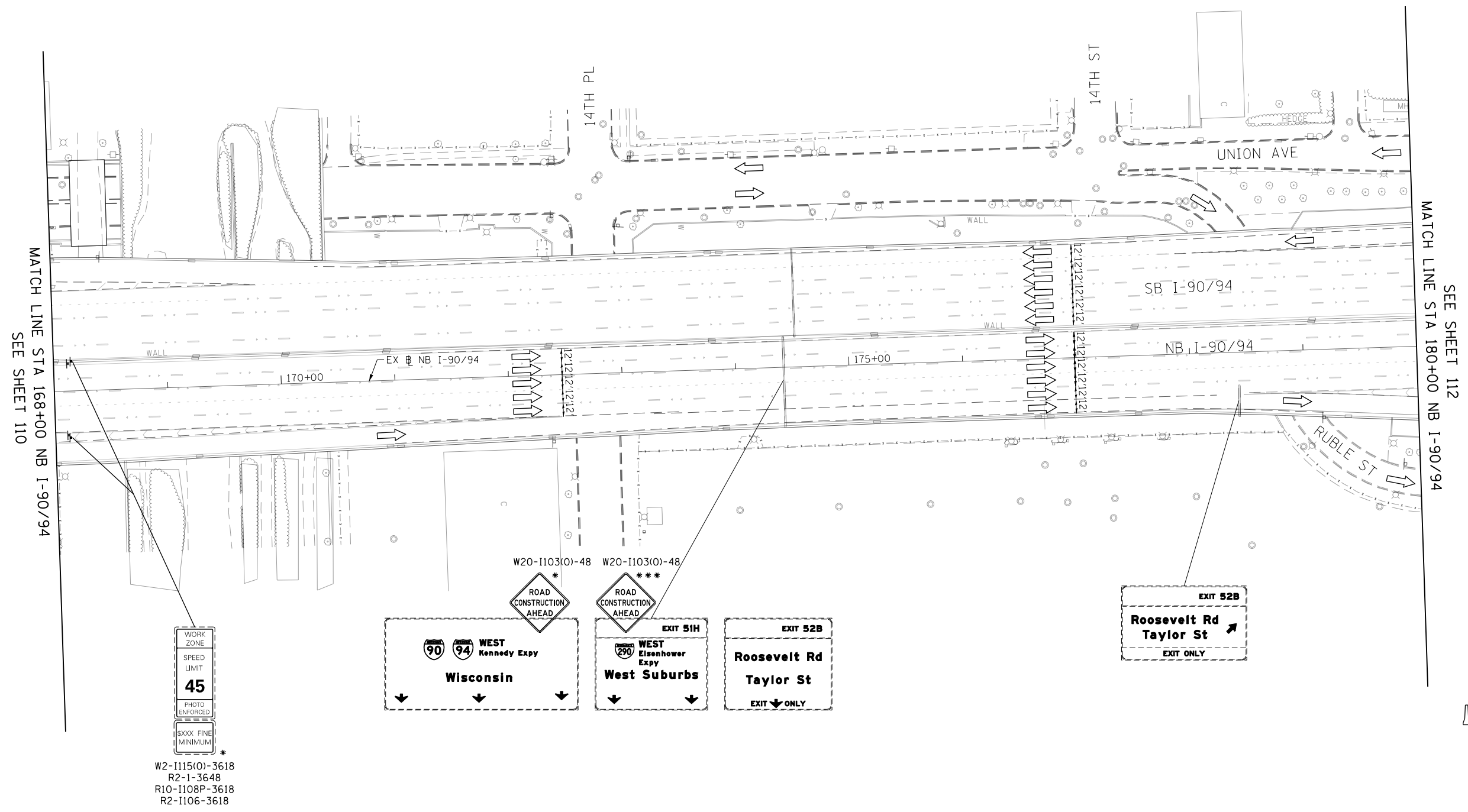
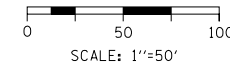
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGING OF CONSTRUCTION AND TRAFFIC CONTROL  
 I-90/94 STAGE 2**

SCALE: 1"=50' SHEET 4 OF 17 SHEETS STA. 156+00 TO STA. 168+00

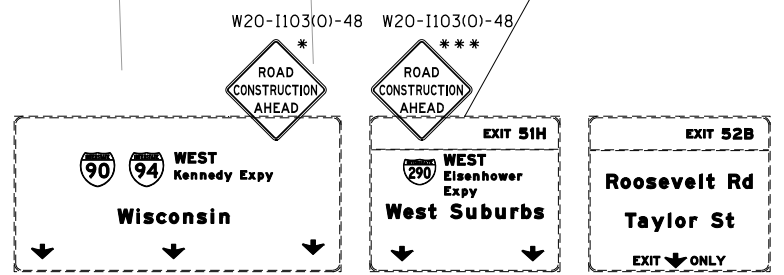
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	110
CONTRACT NO. 60X99				

ILLINOIS FED. AID PROJECT



WORK ZONE  
SPEED LIMIT  
**45**  
PHOTO ENFORCED  
XXXX FINE  
MINIMUM \*

W2-1115(0)-3618  
R2-1-3648  
R10-1108P-3618  
R2-1106-3618



\* FROM PREVIOUS STAGE TO REMAIN  
\*\*\* FROM CONTRACT 60X77 TO REMAIN

- LEGEND**
- WORK ZONE
  - TEMPORARY IMPACT ATTENUATOR
  - TEMPORARY CONCRETE BARRIER
  - DIRECTION OF TRAFFIC FLOW
  - SIGN
  - ARROW BOARD
  - TYPE III BARRICADE
  - TYPE II BARRICADE OR DRUM WITH FLASHING LIGHT

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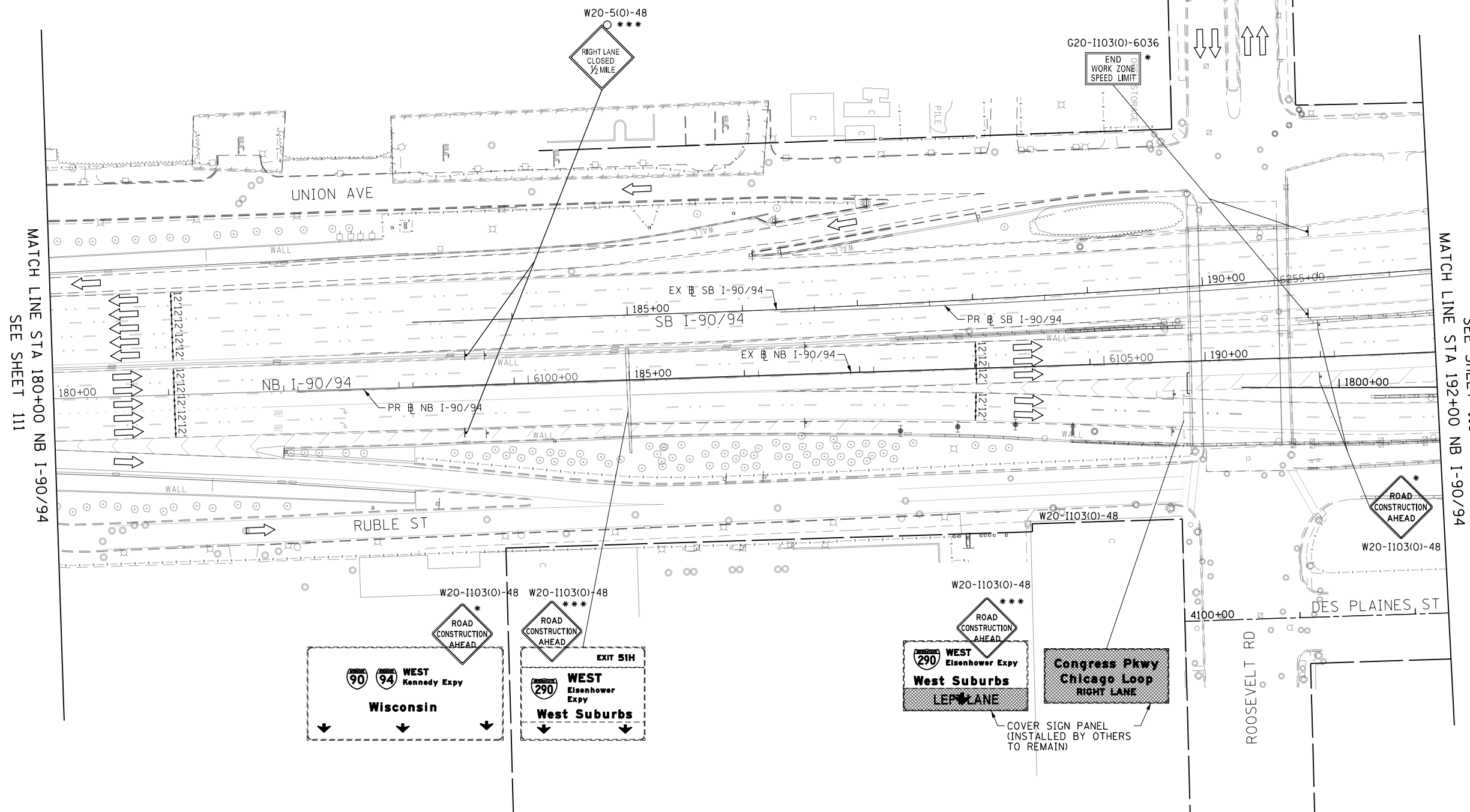
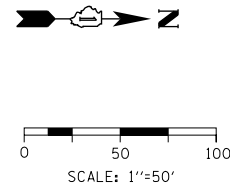
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGING OF CONSTRUCTION AND TRAFFIC CONTROL  
I-90/94 STAGE 2**

SCALE: 1"=50'    SHEET 5    OF 17    SHEETS    STA. 168+00    TO STA. 180+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	111
			CONTRACT NO. 60X99	
ILLINOIS FED. AID PROJECT				



\* FROM PREVIOUS STAGE TO REMAIN  
 \*\* FROM CONTRACT 60X78 TO REMAIN  
 \*\*\* FROM CONTRACT 60X77 TO REMAIN

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 PLOT DATE = 12/15/2016

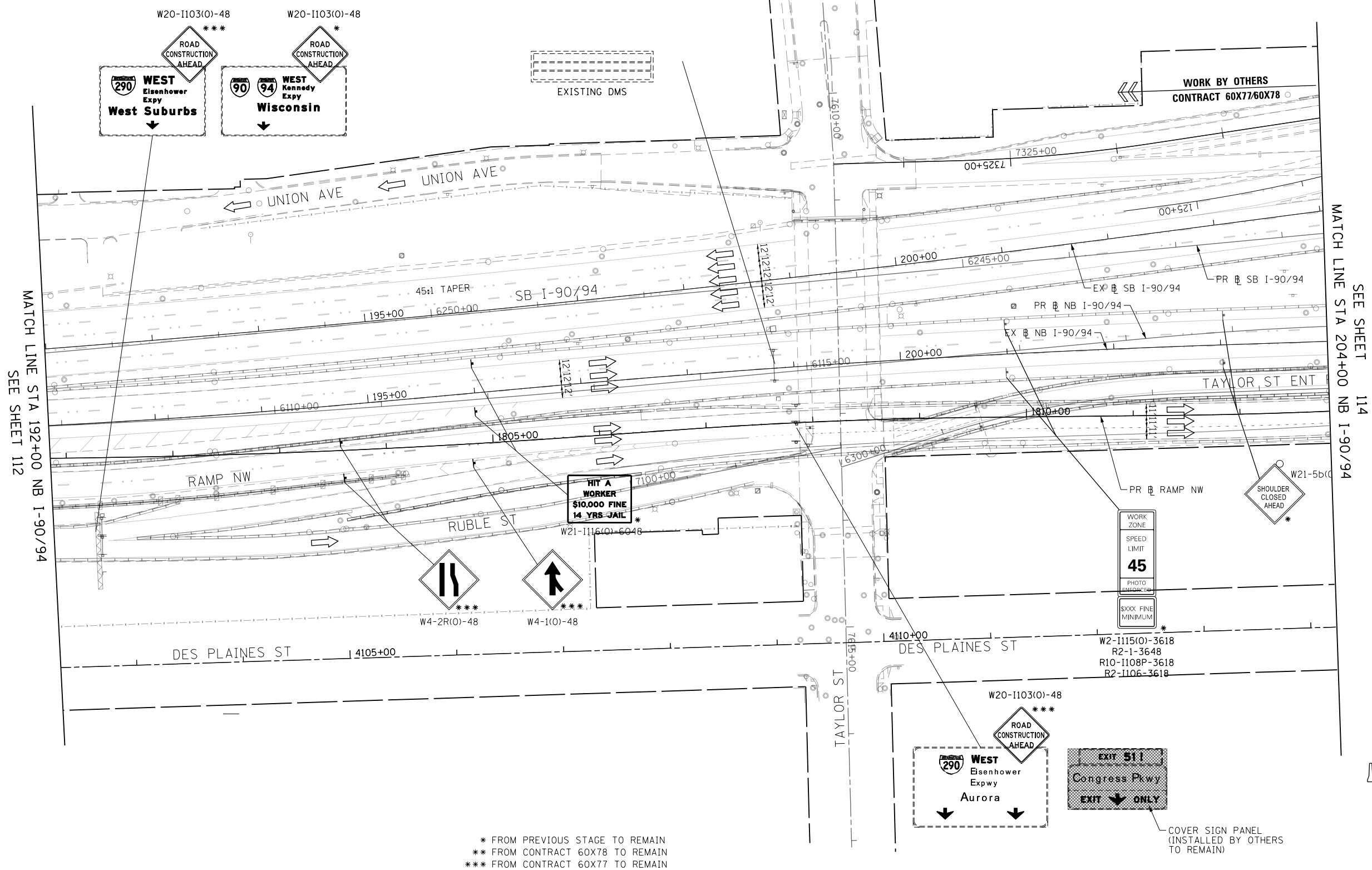
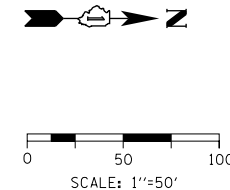
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DRAWN - BAW	REVISED -
CHECKED - JLV	REVISED -
DATE - 12/14/16	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGING OF CONSTRUCTION AND TRAFFIC CONTROL  
 I-90/94 STAGE 2**

SCALE: 1"=50' SHEET 6 OF 17 SHEETS STA. 180+00 TO STA. 192+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	112
CONTRACT NO. 60X99			ILLINOIS FED. AID PROJECT	



MATCH LINE STA 192+00 NB I-90/94  
SEE SHEET 112

MATCH LINE STA 204+00 NB I-90/94  
SEE SHEET 114

\* FROM PREVIOUS STAGE TO REMAIN  
 \*\* FROM CONTRACT 60X78 TO REMAIN  
 \*\*\* FROM CONTRACT 60X77 TO REMAIN

**LEGEND**

	WORK ZONE
	TEMPORARY IMPACT ATTENUATOR
	TEMPORARY CONCRETE BARRIER
	DIRECTION OF TRAFFIC FLOW SIGN
	ARROW BOARD
	TYPE III BARRICADE
	TYPE II BARRICADE OR DRUM WITH FLASHING LIGHT

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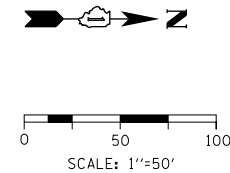
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PLOT DATE = 12/15/2016

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CHECKED - JLV	REVISED -
DATE - 12/14/16	REVISED -









**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SUGGESTED STAGING OF CONSTRUCTION AND TRAFFIC CONTROL</b>			
<b>I-90/94 STAGE 2</b>			
SCALE: 1"=50'	SHEET 7	OF 17 SHEETS	STA. 192+00 TO STA. 204+00

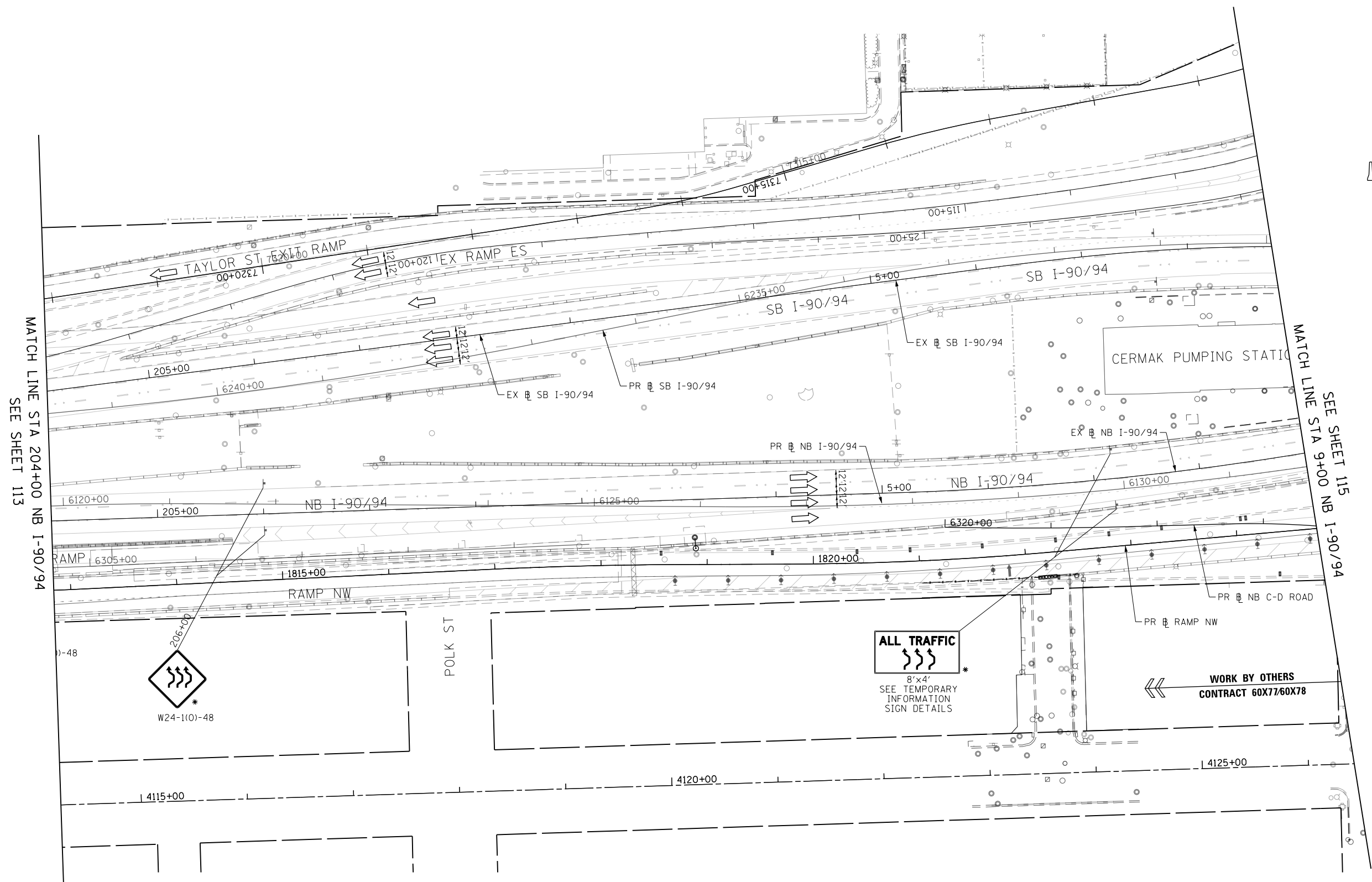
F.A.I. RTE. 90/94/290	SECTION 2014-017B	COUNTY COOK	TOTAL SHEETS 442	SHEET NO. 113
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X99	



**LEGEND**

-  WORK ZONE
-  TEMPORARY IMPACT ATTENUATOR
-  TEMPORARY CONCRETE BARRIER
-  DIRECTION OF TRAFFIC FLOW
-  SIGN
-  ARROW BOARD
-  TYPE III BARRICADE
-  TYPE II BARRICADE OR DRUM WITH FLASHING LIGHT

NOTES:  
 1. ALL STATIONS AND OFFSETS ARE MEASURED FROM EX I-90/94 & RAMP ALIGNMENTS UNLESS OTHERWISE NOTED.



\* FROM PREVIOUS STAGE TO REMAIN  
 \*\* FROM CONTRACT 60X78 TO REMAIN

FILE PATH = p:\61779-PMINT\secomon\line\local\IACOML\_D502\_ML\Documents\01\_Americas\Transportation\60269938\_Circle\Phase\_11\000\_CAD\006\_Roadway\Sheets\60X99\_Contract\018099-Sht-STAGING2-ML\_08.dgn

MATCH LINE STA 204+00 NB I-90/94  
SEE SHEET 113

MATCH LINE STA 9+00 NB I-90/94  
SEE SHEET 115

**ALL TRAFFIC**  
 8'x4'  
 SEE TEMPORARY  
 INFORMATION  
 SIGN DETAILS

**WORK BY OTHERS**  
 CONTRACT 60X77/60X78



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USER NAME = mkwilson
PLOT SCALE = 100.0000' / in.
PLOT DATE = 12/15/2016

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DATE - 12/14/16	REVISED -

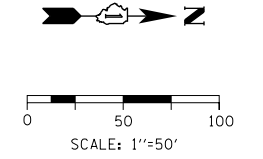
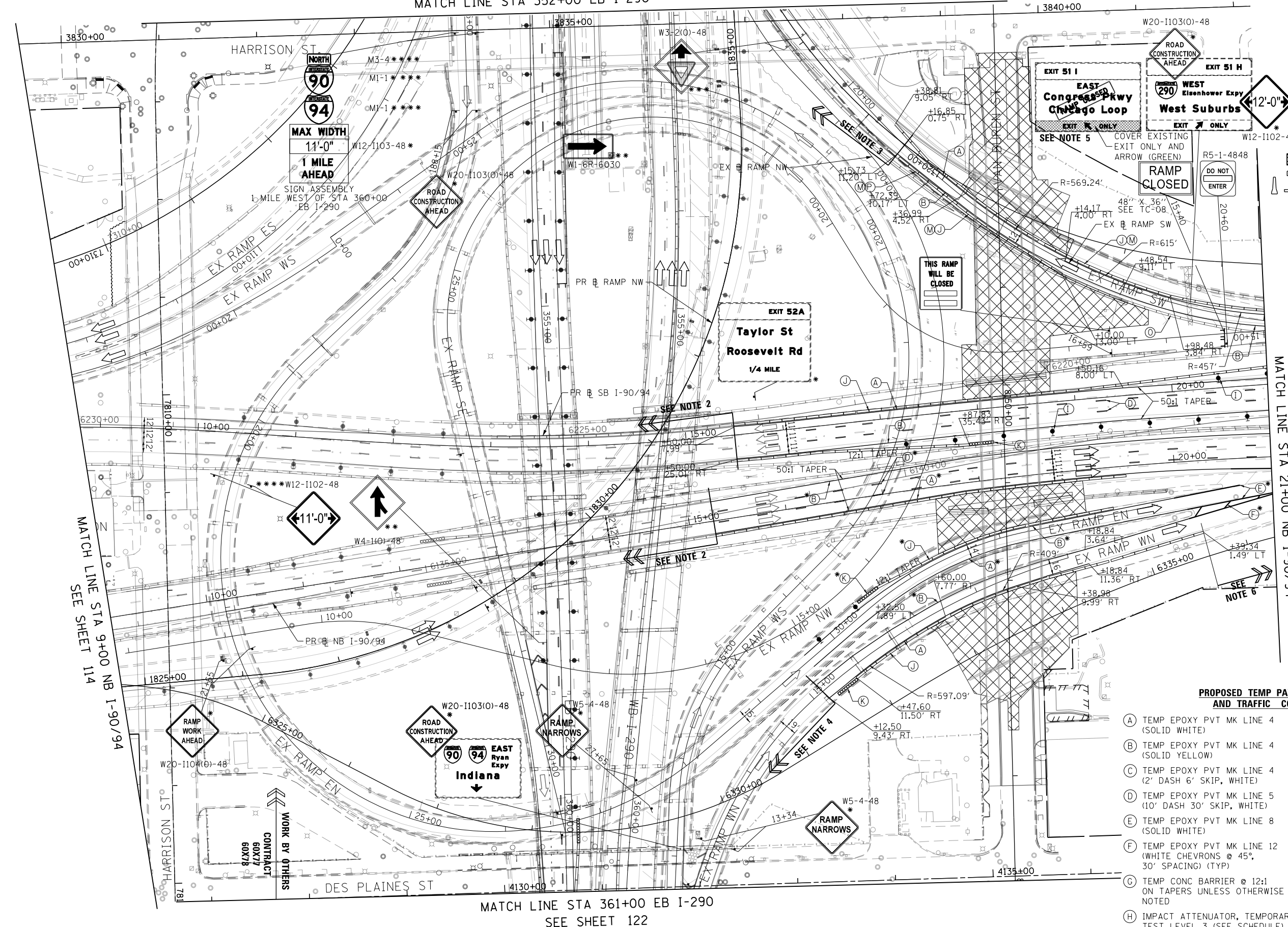
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>SUGGESTED STAGING OF CONSTRUCTION AND TRAFFIC CONTROL</b>			
<b>I-90/94 STAGE 2</b>			
SCALE: 1"=50'	SHEET 8	OF 17 SHEETS	STA. 204+00 TO STA. 9+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	114
CONTRACT NO. 60X99			ILLINOIS FED. AID PROJECT	

SEE SHEET 121  
MATCH LINE STA 352+00 EB I-290

3840+00



**LEGEND**

- WORK ZONE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH FLASHING LIGHT

- \* FROM PREVIOUS STAGE TO REMAIN
- NOTES:
1. ALL STATIONS AND OFFSETS ARE MEASURED FROM EX # I-90/94 & RAMP ALIGNMENTS UNLESS OTHERWISE NOTED.
  2. TEMPORARY TRAFFIC CONTROL PAVEMENT MARKINGS SHALL MATCH TO THE CURRENT STAGE OF TRAFFIC CONTROL FOR CONTRACT 60X78. FURTHER COORDINATION OF TEMP. MARKINGS AND DEVICES ALONG NORTHBOUND I-90/94 WILL BE REQUIRED.
  3. TEMPORARY TRAFFIC CONTROL PAVEMENT MARKINGS SHALL MATCH TO THE CURRENT STAGE OF TRAFFIC CONTROL FOR CONTRACT 60X77.
  4. TEMPORARY TRAFFIC CONTROL PAVEMENT MARKINGS SHALL MATCH TO THE CURRENT STAGE OF TRAFFIC CONTROL FOR CONTRACT 60X78.
  5. INSTALLED BLACK ON ORANGE "RAMP CLOSED" PANEL ON DIAGONAL ACROSS EXISTING SIGN. SEE DISTRICT DETAIL TC-08 FOR PANEL DETAILS.
  6. TEMPORARY TRAFFIC CONTROL PAVEMENT MARKINGS SHALL MATCH TO THE CURRENT STAGE OF TRAFFIC CONTROL FOR CONTRACTS 62A75 AND 60X95.

**PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES**

- (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE)
- (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW)
- (C) TEMP EPOXY PVT MK LINE 4 (2' DASH 6' SKIP, WHITE)
- (D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE)
- (E) TEMP EPOXY PVT MK LINE 8 (SOLID WHITE)
- (F) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP)
- (G) TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (H) IMPACT ATTENUATOR, TEMPORARY, TEST LEVEL 3 (SEE SCHEDULE)
- (I) TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS @ 100' C-C (TYP) ON TANGENTS
- (J) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (K) IMPACT ATTENUATOR, RELOCATE (SEE SCHEDULE)
- (L) TEMP EPOXY PVT MK LINE 8 (3' DASH 9' SKIP, WHITE)
- (M) PINNING TEMPORARY CONCRETE BARRIER
- (N) PERMANENT PAVEMENT MARKING TO REMAIN (SEE PAVEMENT MARKING PLAN FOR DETAIL)
- (O) TEMPORARY CONCRETE BARRIER TO REMAIN PERMANENTLY
- (P) RELOCATE TEMPORARY CONCRETE BARRIER, STATE OWNED

MATCH LINE STA 9+00 NB I-90/94  
SEE SHEET 114

MATCH LINE STA 21+00 NB I-90/94  
SEE SHEET 116

MATCH LINE STA 361+00 EB I-290  
SEE SHEET 122

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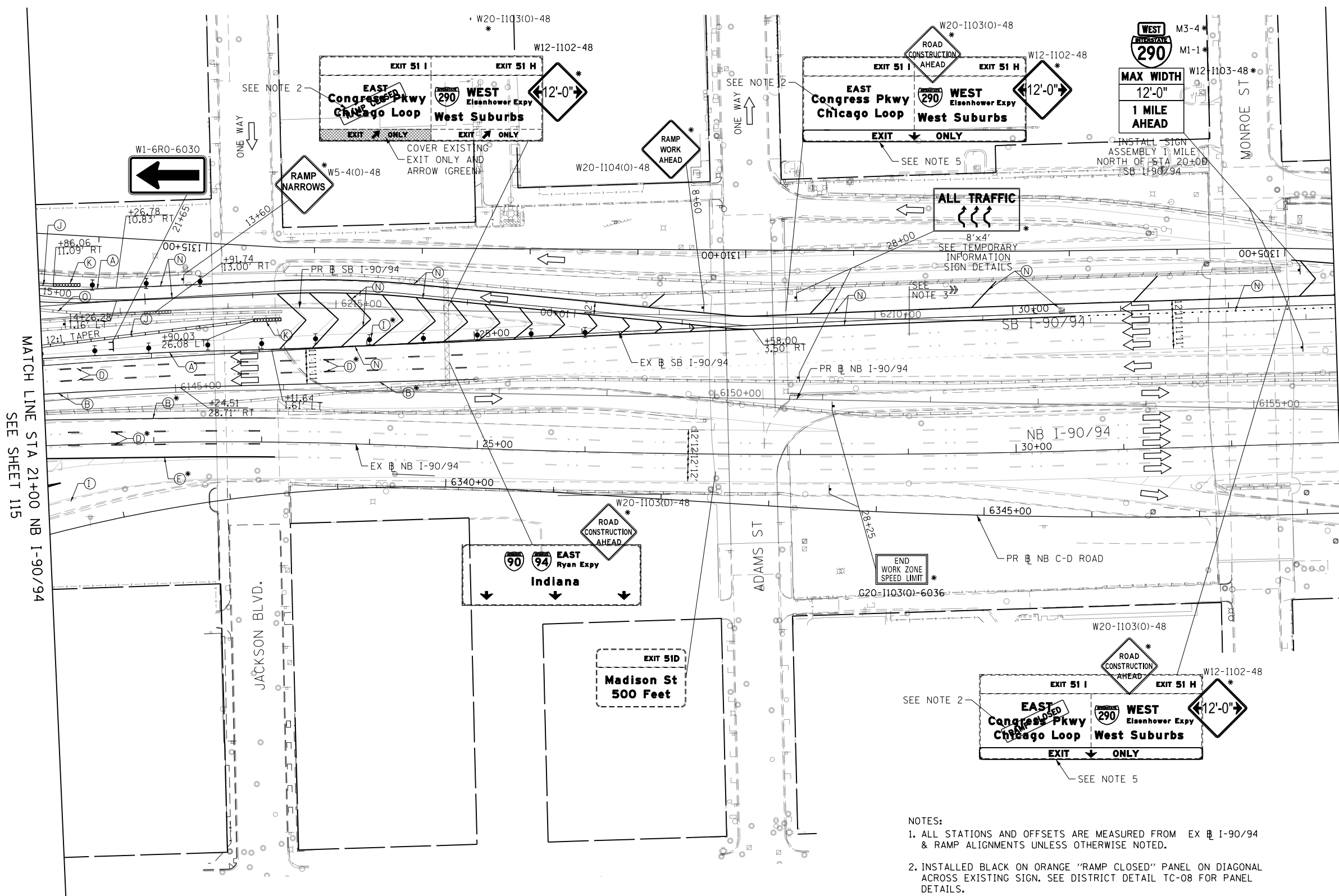
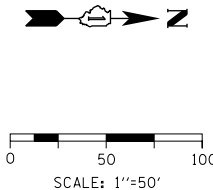
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DRAWN - BAW	REVISED -
CHECKED - JLV	REVISED -
DATE - 3/31/17	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGING OF CONSTRUCTION AND TRAFFIC CONTROL**  
**I-90/94 STAGE 2**

SCALE: 1"=50'    SHEET 9 OF 17 SHEETS    STA. 9+00 TO STA. 21+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	115
				CONTRACT NO. 60X99
ILLINOIS FED. AID PROJECT				



- PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES**
- (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE)
  - (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW)
  - (C) TEMP EPOXY PVT MK LINE 4 (2' DASH 6' SKIP, WHITE)
  - (D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE)
  - (E) TEMP EPOXY PVT MK LINE 8 (SOLID WHITE)
  - (F) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP)
  - (G) TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
  - (H) IMPACT ATTENUATOR, TEMPORARY, TEST LEVEL 3 (SEE SCHEDULE)
  - (I) TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMP @ 100' C-C (TYP) ON TANGENTS
  - (J) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
  - (K) IMPACT ATTENUATOR, RELOCATE (SEE SCHEDULE)
  - (L) TEMP EPOXY PVT MK LINE 8 (3' DASH 9' SKIP, WHITE)
  - (M) PINNING TEMPORARY CONCRETE BARRIER
  - (N) PERMANENT PAVEMENT MARKING TO REMAIN (SEE PAVEMENT MARKING PLAN FOR DETAIL)
  - (O) TEMPORARY CONCRETE BARRIER TO REMAIN PERMANENTLY
  - (P) RELOCATE TEMPORARY CONCRETE BARRIER, STATE OWNED
- \* FROM PREVIOUS STAGE TO REMAIN

- LEGEND**
- WORK ZONE
  - TEMPORARY IMPACT ATTENUATOR
  - TEMPORARY CONCRETE BARRIER
  - DIRECTION OF TRAFFIC FLOW SIGN
  - ARROW BOARD
  - TYPE III BARRICADE
  - TYPE II BARRICADE OR DRUM WITH FLASHING LIGHT

- NOTES:**
1. ALL STATIONS AND OFFSETS ARE MEASURED FROM EX NB I-90/94 & RAMP ALIGNMENTS UNLESS OTHERWISE NOTED.
  2. INSTALLED BLACK ON ORANGE "RAMP CLOSED" PANEL ON DIAGONAL ACROSS EXISTING SIGN. SEE DISTRICT DETAIL TC-08 FOR PANEL DETAILS.
  3. TEMPORARY TRAFFIC CONTROL PAVEMENT MARKINGS SHALL MATCH TO THE CURRENT STAGE OF TRAFFIC CONTROL FOR CONTRACT 60X95.
  4. SEE PLAN SHEET 60 FOR DETOUR SIGNING DETAILS.
  5. INSTALL SIGN PANEL OVERLAY OVER EXISTING ARROW TO LINE UP NEW DOWN ARROW TO THE OUTSIDE LANE LINE LEADING TO THE EXIT RAMP (BLACK EXIT ONLY AND ARROW ON YELLOW BACKGROUND). SEE PROPOSED SIGNING SCHEDULE AND PLANS.

MATCH LINE STA 21+00 NB I-90/94 SEE SHEET 115

MATCH LINE STA 33+00 NB I-90/94 SEE SHEET 117

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 PLOT DATE = 3/30/2017

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CHECKED - JLV	REVISED -
DATE - 3/31/17	REVISED -

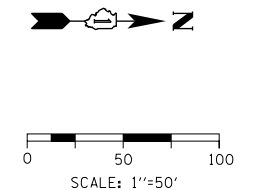
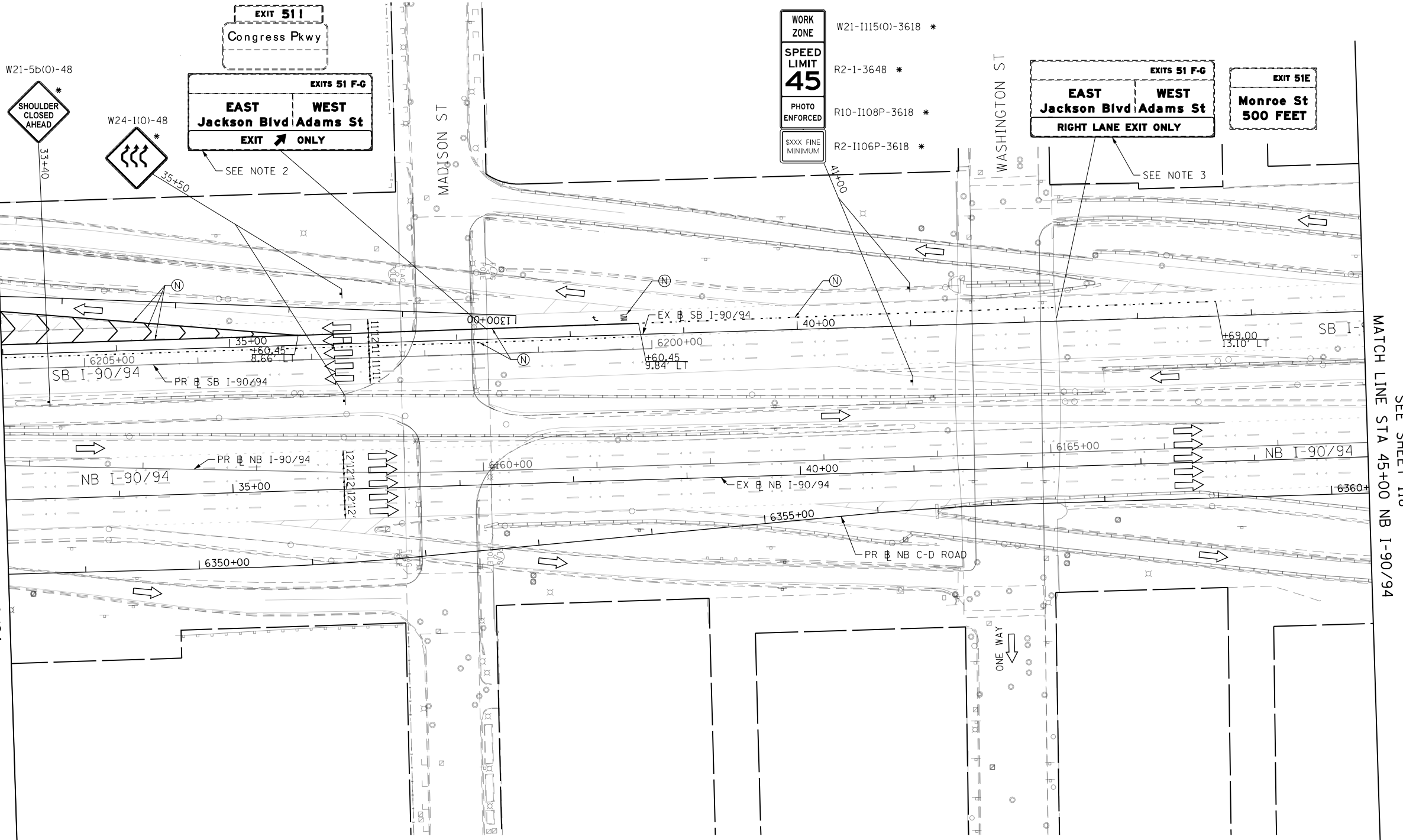
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGING OF CONSTRUCTION AND TRAFFIC CONTROL  
 I-90/94 STAGE 2**

SCALE: 1"=50'    SHEET 10 OF 17 SHEETS    STA. 21+00 TO STA. 33+00

F.A.I. RTE. 90/94/290	SECTION 2014-017B	COUNTY COOK	TOTAL SHEETS 442	SHEET NO. 116
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X99	





- PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES**
- (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE)
  - (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW)
  - (C) TEMP EPOXY PVT MK LINE 4 (2' DASH 6' SKIP, WHITE)
  - (D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE)
  - (E) TEMP EPOXY PVT MK LINE 8 (SOLID WHITE)
  - (F) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP)
  - (G) TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
  - (H) IMPACT ATTENUATOR, TEMPORARY, TEST LEVEL 3 (SEE SCHEDULE)
  - (I) TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS @ 100' C-C (TYP) ON TANGENTS
  - (J) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
  - (K) IMPACT ATTENUATOR, RELOCATE (SEE SCHEDULE)
  - (L) TEMP EPOXY PVT MK LINE 8 (3' DASH 9' SKIP, WHITE)
  - (M) PINNING TEMPORARY CONCRETE BARRIER
  - (N) PERMANENT PAVEMENT MARKING TO REMAIN (SEE PAVEMENT MARKING PLAN FOR DETAIL)
  - (O) TEMPORARY CONCRETE BARRIER TO REMAIN PERMANENTLY
- \* FROM PREVIOUS STAGE TO REMAIN  
\*\* FROM CONTRACT 60X78 TO REMAIN

- LEGEND**
- WORK ZONE
  - TEMPORARY IMPACT ATTENUATOR
  - TEMPORARY CONCRETE BARRIER
  - DIRECTION OF TRAFFIC FLOW
  - SIGN
  - ARROW BOARD
  - TYPE III BARRICADE
  - TYPE II BARRICADE OR DRUM WITH FLASHING LIGHT

- NOTES:**
- ALL STATIONS AND OFFSETS ARE MEASURED FROM EX I-90/94 & RAMP ALIGNMENTS UNLESS OTHERWISE NOTED.
  - INSTALL SIGN PANEL OVERLAY OVER EXISTING ARROW TO LINE UP NEW DIAGONAL UP ARROW TO THE OUTSIDE LANE LINE LEADING TO THE EXIT RAMP (BLACK EXIT ONLY AND ARROW ON YELLOW BACKGROUND). SEE PROPOSED SIGNING SCHEDULE AND PLANS.
  - INSTALL SIGN PANEL OVERLAY OVER EXISTING "1000 FEET" TO LINE UP TO THE LANE LEADING TO THE EXIT RAMP (BLACK RIGHT LANE EXIT ONLY ON YELLOW BACKGROUND). SEE PROPOSED SIGNING SCHEDULE AND PLANS.

\* FROM PREVIOUS STAGE TO REMAIN

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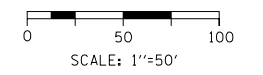
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





**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SUGGESTED STAGING OF CONSTRUCTION AND TRAFFIC CONTROL			
I-90/94 STAGE 2			
SCALE: 1"=50'	SHEET 11	OF 17 SHEETS	STA. 33+00 TO STA. 45+00

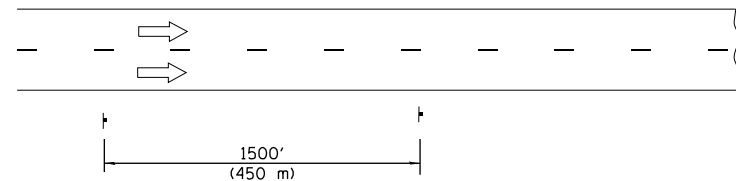
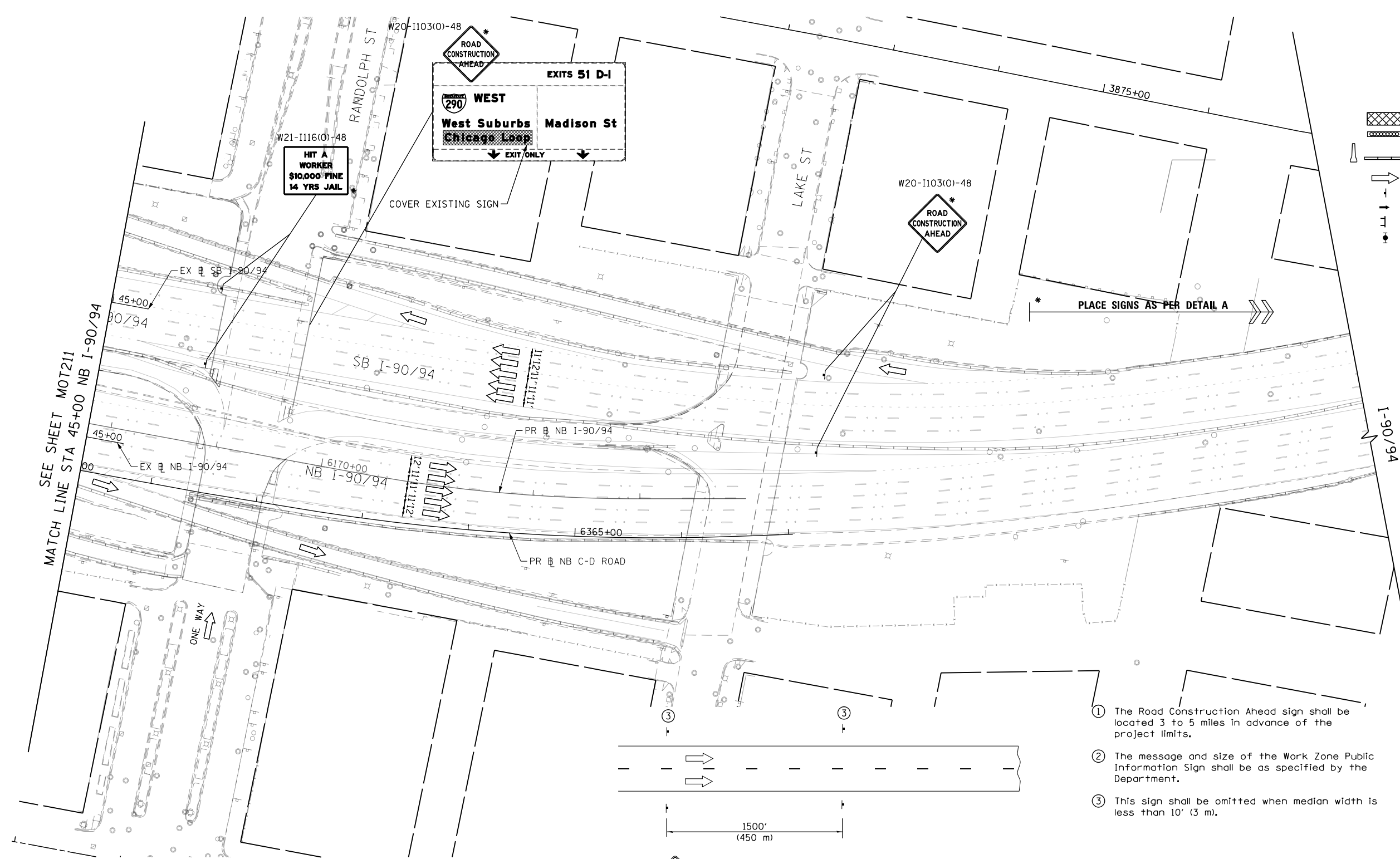
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	117
				CONTRACT NO. 60X99
ILLINOIS FED. AID PROJECT				



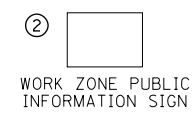
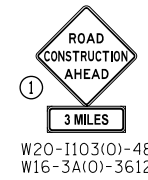
**LEGEND**

-  WORK ZONE
-  TEMPORARY IMPACT ATTENUATOR
-  TEMPORARY CONCRETE BARRIER
-  DIRECTION OF TRAFFIC FLOW SIGN
-  ARROW BOARD
-  TYPE III BARRICADE
-  TYPE II BARRICADE OR DRUM WITH FLASHING LIGHT

\* FROM PREVIOUS STAGE TO REMAIN



- ① The Road Construction Ahead sign shall be located 3 to 5 miles in advance of the project limits.
- ② The message and size of the Work Zone Public Information Sign shall be as specified by the Department.
- ③ This sign shall be omitted when median width is less than 10' (3 m).



NOTES:  
1. ALL STATIONS AND OFFSETS ARE MEASURED FROM EX 121 I-90/94 & RAMP ALIGNMENTS UNLESS OTHERWISE NOTED.

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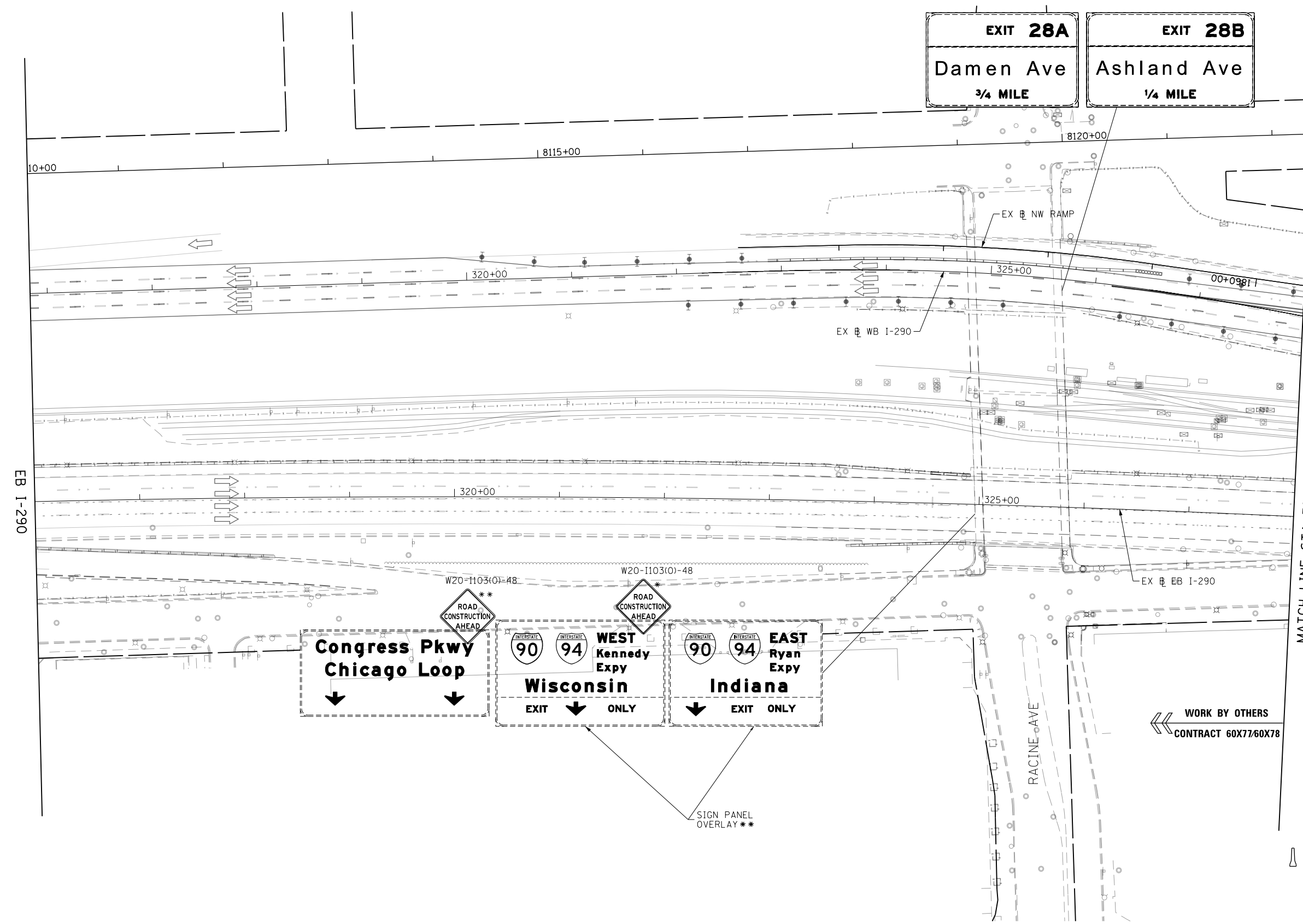
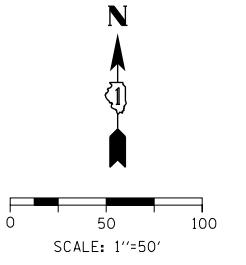
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DRAWN - BAW	REVISED -
CHECKED - JLV	REVISED -
DATE - 12/14/16	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SUGGESTED STAGING OF CONSTRUCTION AND TRAFFIC CONTROL</b>			
<b>I-90/94 STAGE 2</b>			
SCALE: 1"=50'	SHEET 12	OF 17 SHEETS	STA. 45+00 TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	118
CONTRACT NO. 60X99				
ILLINOIS FED. AID PROJECT				



\* FROM PREVIOUS STAGE TO REMAIN  
 \*\* FROM CONTRACT 60X78 TO REMAIN

**LEGEND**

- WORK ZONE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW SIGN
- ARROW BOARD
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH FLASHING LIGHT

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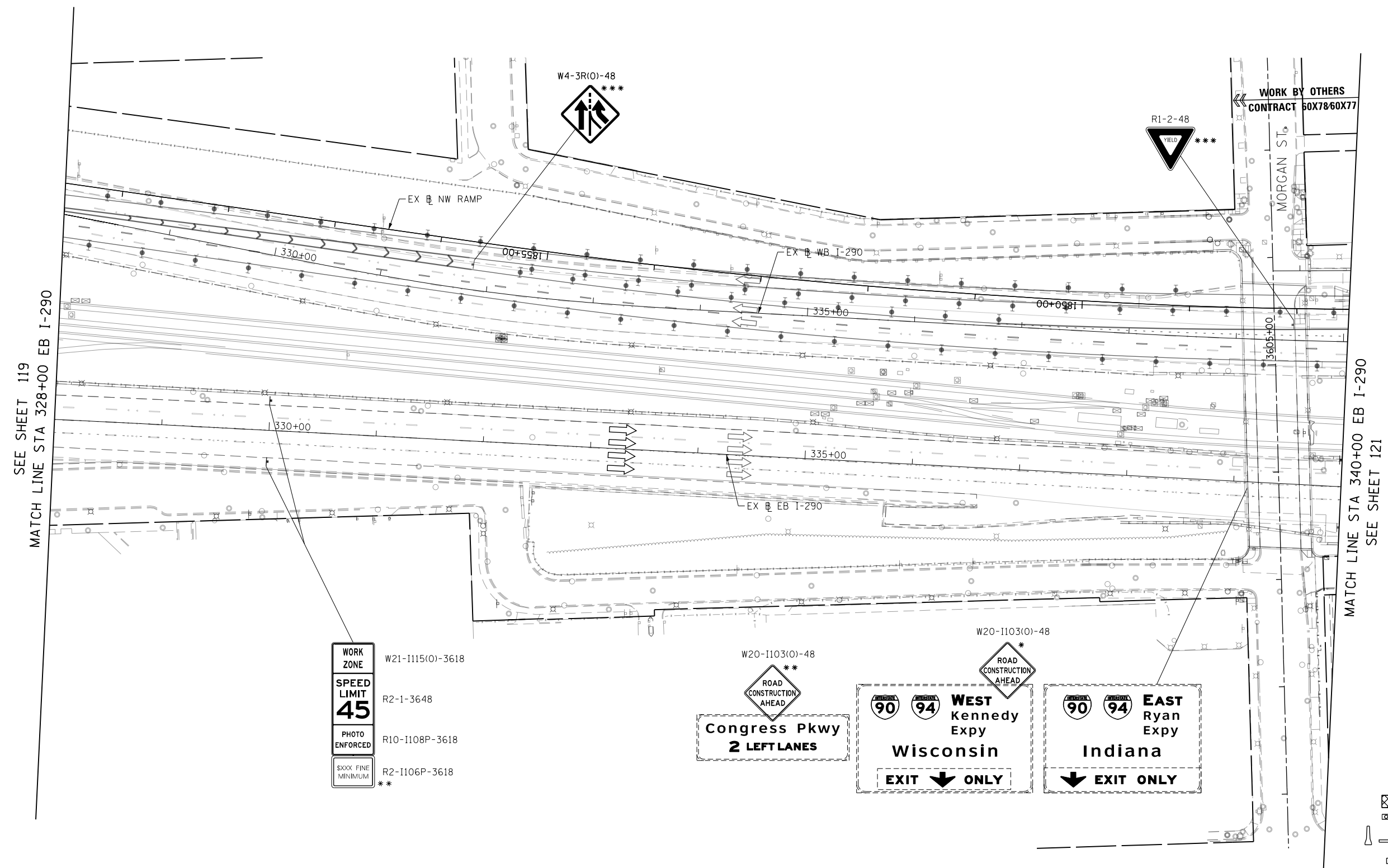
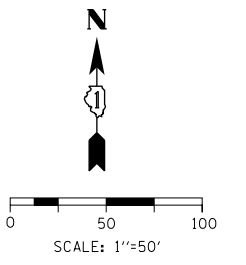
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CHECKED - JLV	REVISED -
DATE - 12/14/16	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGING OF CONSTRUCTION AND TRAFFIC CONTROL  
 I-290 STAGE 2**

SCALE: 1"=50' SHEET 13 OF 17 SHEETS STA. 316+00 TO STA. 328+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	119
CONTRACT NO. 60X99				
ILLINOIS FED. AID PROJECT				



WORK ZONE	W21-1115(0)-3618
SPEED LIMIT 45	R2-1-3648
PHOTO ENFORCED	R10-1108P-3618
SOXX FINE MINIMUM	R2-1106P-3618 **

W20-1103(0)-48 \*\*

ROAD CONSTRUCTION AHEAD

**Congress Pkwy**  
2 LEFT LANES

ROAD CONSTRUCTION AHEAD \*

90 94 WEST Kennedy Expy Wisconsin  
EXIT ONLY

90 94 EAST Ryan Expy Indiana  
EXIT ONLY

- \* FROM PREVIOUS STAGE TO REMAIN
- \*\* FROM CONTRACT 60X78 TO REMAIN
- \*\*\* FROM CONTRACT 60X77 TO REMAIN

**LEGEND**

- WORK ZONE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW SIGN
- ARROW BOARD
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH FLASHING LIGHT

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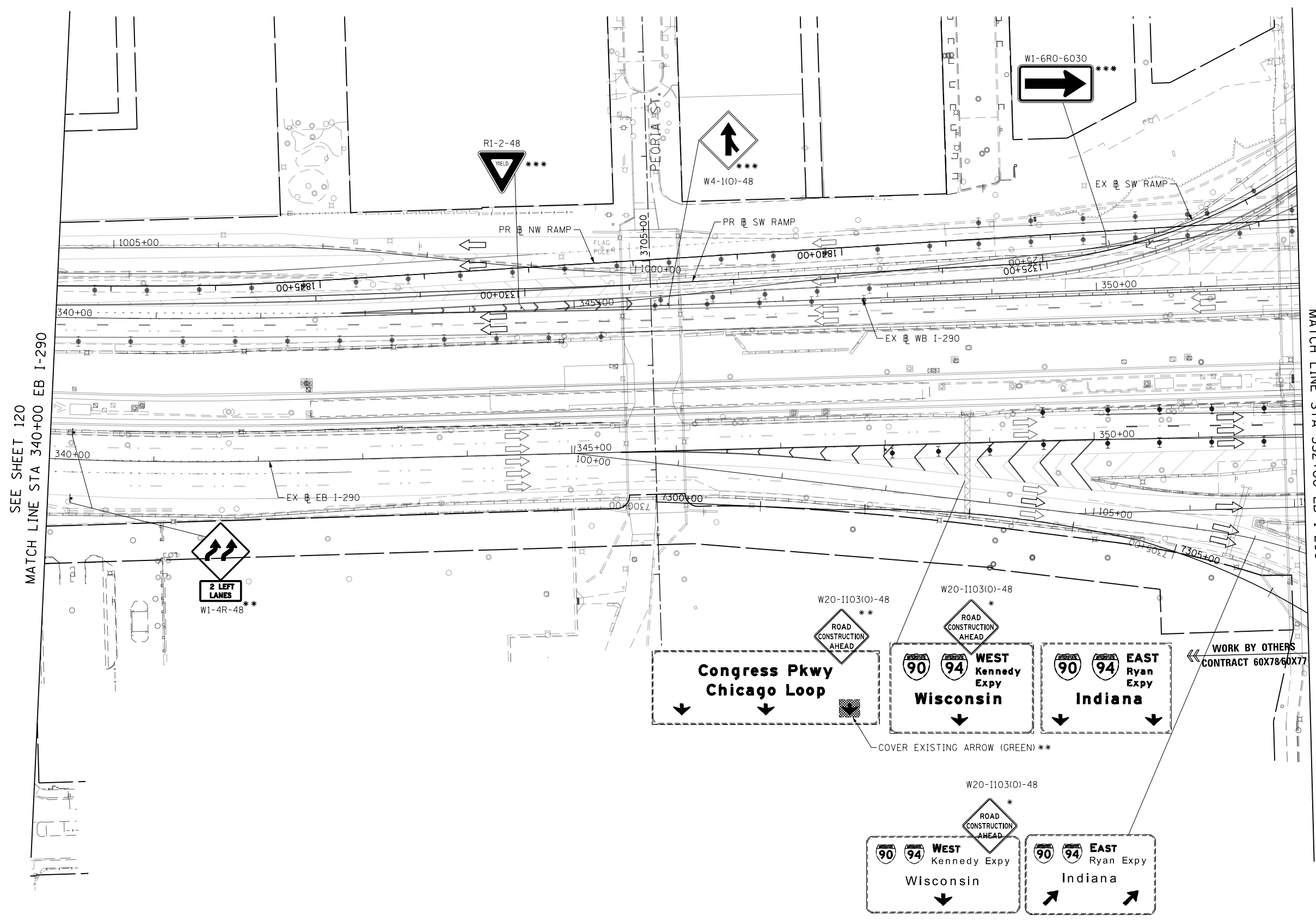
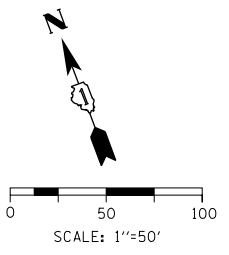


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PLOT DATE = 12/15/2016	DATE - 12/14/16	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SUGGESTED STAGING OF CONSTRUCTION AND TRAFFIC CONTROL			
I-290 STAGE 2			
SCALE: 1"=50'	SHEET 14	OF 17 SHEETS	STA. 328+00 TO STA. 340+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	120
CONTRACT NO. 60X99			ILLINOIS FED. AID PROJECT	



SEE SHEET 120  
MATCH LINE STA 340+00 EB I-290

SEE SHEET 115  
MATCH LINE STA 352+00 EB I-290

\* FROM PREVIOUS STAGE TO REMAIN  
\*\* FROM CONTRACT 60X77 TO REMAIN  
\*\*\* FROM CONTRACT 60X78 TO REMAIN

**LEGEND**

- WORK ZONE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW SIGN
- ARROW BOARD
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH FLASHING LIGHT

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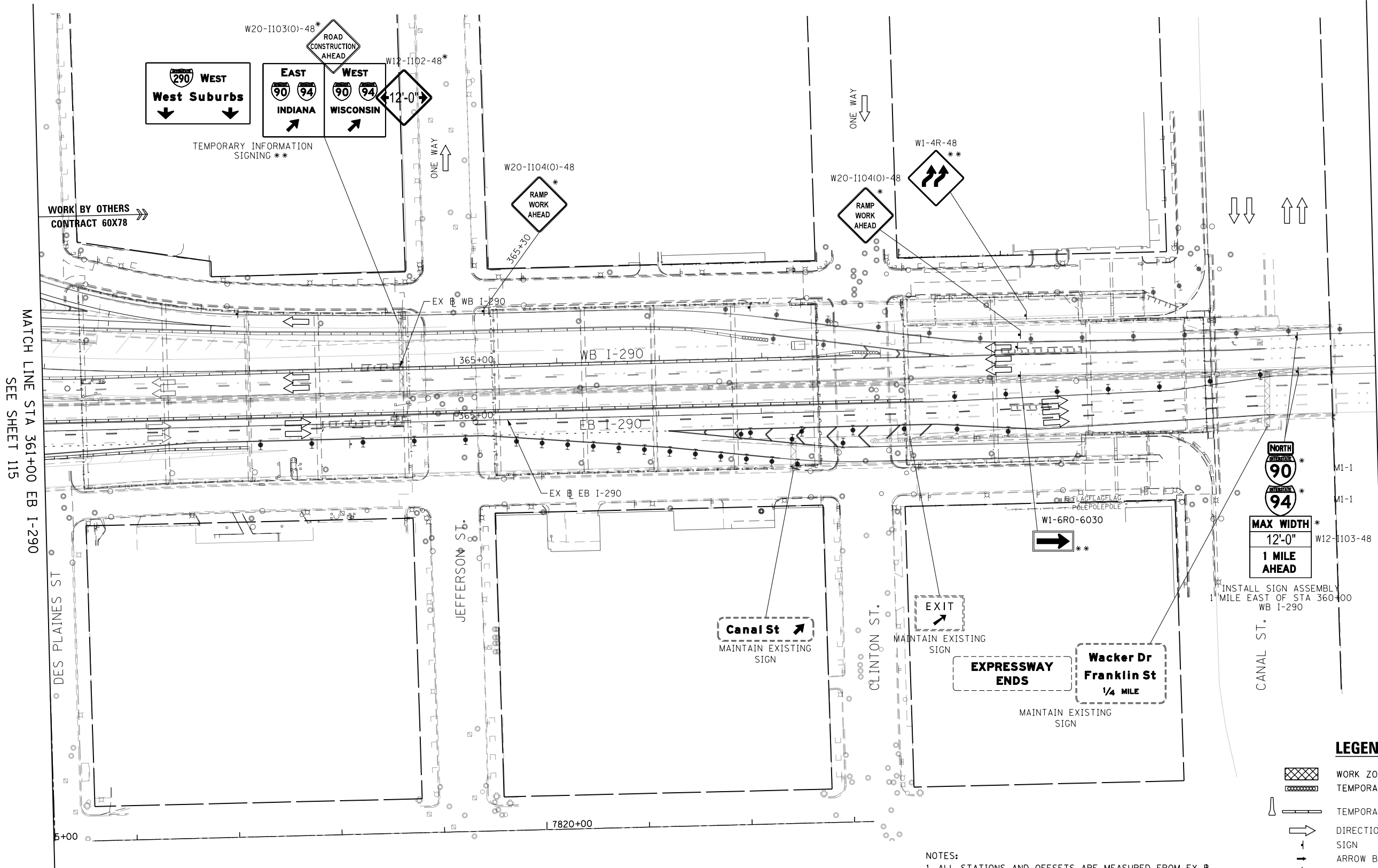
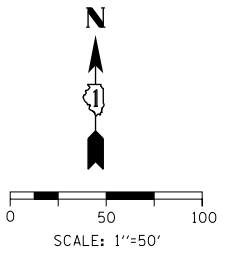
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGING OF CONSTRUCTION AND TRAFFIC CONTROL  
I-290 STAGE 2**

SCALE: 1"=50' SHEET 15 OF 17 SHEETS STA. 340+00 TO STA. 352+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	121
CONTRACT NO. 60X99				

ILLINOIS FED. AID PROJECT



MATCH LINE STA 361+00 EB I-290  
SEE SHEET 115

MATCH LINE STA 374+00 EB I-290  
SEE SHEET 123

**LEGEND**

- WORK ZONE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW SIGN
- ARROW BOARD
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH FLASHING LIGHT

**NOTES:**  
 1. ALL STATIONS AND OFFSETS ARE MEASURED FROM EX I-290 & RAMP ALIGNMENTS UNLESS OTHERWISE NOTED.  
 \* FROM PREVIOUS STAGE TO REMAIN  
 \*\* FROM CONTRACT 60X78 TO REMAIN

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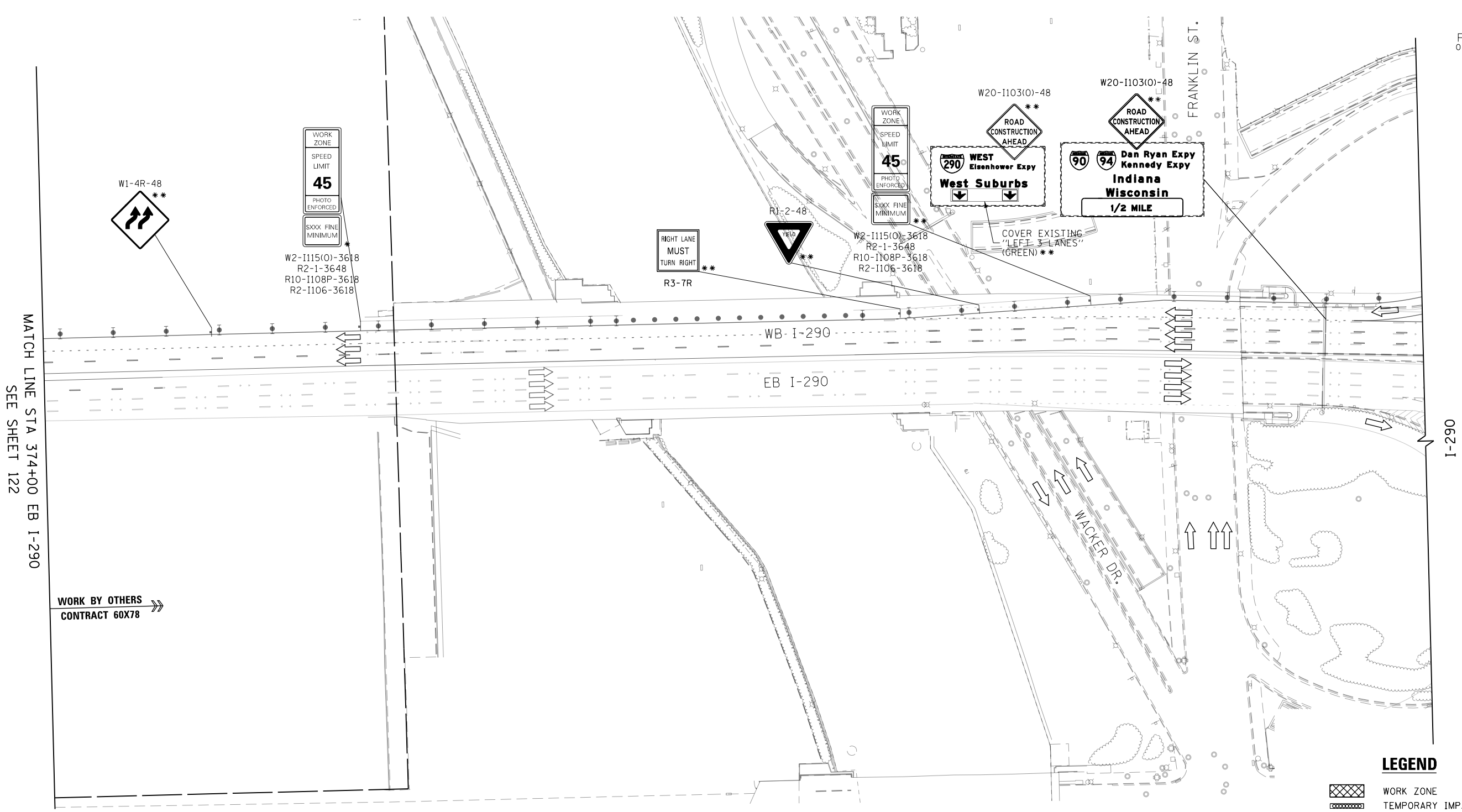
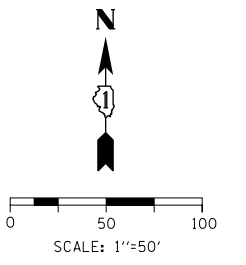
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PLOT DATE = 12/15/2016	DATE - 12/14/16	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**








<b>SUGGESTED STAGING OF CONSTRUCTION AND TRAFFIC CONTROL</b>			
<b>I-290 STAGE 2</b>			
SCALE: 1"=50'	SHEET 16	OF 17 SHEETS	STA. 361+00 TO STA. 374+00

F.A.I. RTE. 90/94/290	SECTION 2014-017B	COUNTY COOK	TOTAL SHEETS 442	SHEET NO. 122
ILLINOIS FED. AID PROJECT				

CONTRACT NO. 60X99



**LEGEND**

-  WORK ZONE
-  TEMPORARY IMPACT ATTENUATOR
-  TEMPORARY CONCRETE BARRIER
-  DIRECTION OF TRAFFIC FLOW SIGN
-  ARROW BOARD
-  TYPE III BARRICADE
-  TYPE II BARRICADE OR DRUM WITH FLASHING LIGHT

NOTES:  
 1. ALL STATIONS AND OFFSETS ARE MEASURED FROM EX I-290 & RAMP ALIGNMENTS UNLESS OTHERWISE NOTED.  
 \* FROM PREVIOUS STAGE TO REMAIN  
 \*\* FROM CONTRACT 60X78 TO REMAIN

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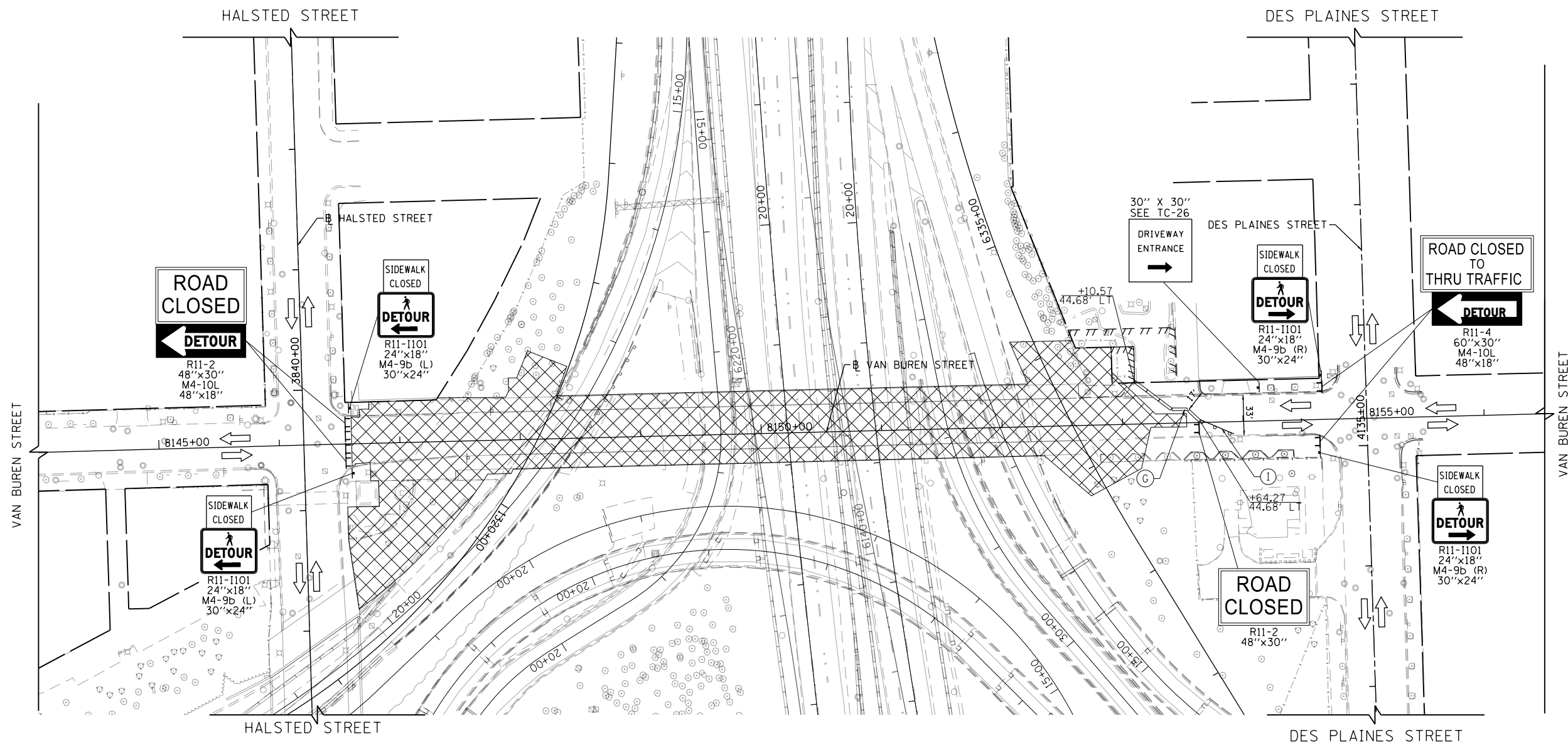
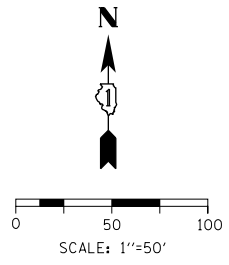
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CHECKED - JLV	REVISED -
DATE - 12/14/16	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SUGGESTED STAGING OF CONSTRUCTION AND TRAFFIC CONTROL			
I-290 STAGE 2			
SCALE: 1"=50'	SHEET 17	OF 17 SHEETS	STA. 374+00 TO STA. 387+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	123
CONTRACT NO. 60X99				
ILLINOIS FED. AID PROJECT				



**NOTES**

1. THE PROPOSED DETOUR SIGNING SHALL BE INSTALLED PRIOR TO CLOSING THE VAN BUREN STREET BRIDGE. THE PROPOSED DETOUR SHALL BE UTILIZED DURING STAGES 1A, 1B, AND 2.
2. MAINTAIN 2 LANES OF TRAFFIC ALONG EAST LEG OF VAN BUREN STREET TO PROVIDE ACCESS TO THE VAN BUREN STREET DRIVEWAY TO 711 JACKSON BOULEVARD AND ALLEYWAY THAT RUNS BEHIND 700 VAN BUREN STREET AND 324 DES PLAINES STREET.
3. MAINTAIN ACCESS TO THE JACKSON BOULEVARD DRIVEWAY TO 711 JACKSON BOULEVARD AT ALL TIMES.

**PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES**

- |   |   |
|---|---|
| (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE)                              | (H) IMPACT ATTENUATOR, TEMPORARY, TEST LEVEL 3 (SEE SCHEDULE)   |
| (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW)                             | (I) TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMP @ 100' C-C (TYP) ON TANGENTS |
| (C) TEMP EPOXY PVT MK LINE 4 (2' DASH 6' SKIP, WHITE)                   | (J) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED   |
| (D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE)                 | (K) IMPACT ATTENUATOR, RELOCATE (SEE SCHEDULE)  |
| (E) TEMP EPOXY PVT MK LINE 8 (SOLID WHITE)                              | (L) TEMP EPOXY PVT MK LINE 8 (3' DASH 9' SKIP, WHITE)   |
| (F) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP) | (M) PINNING TEMPORARY CONCRETE BARRIER  |
| (G) TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED           |   |

**LEGEND**

- WORK ZONE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH FLASHING LIGHT

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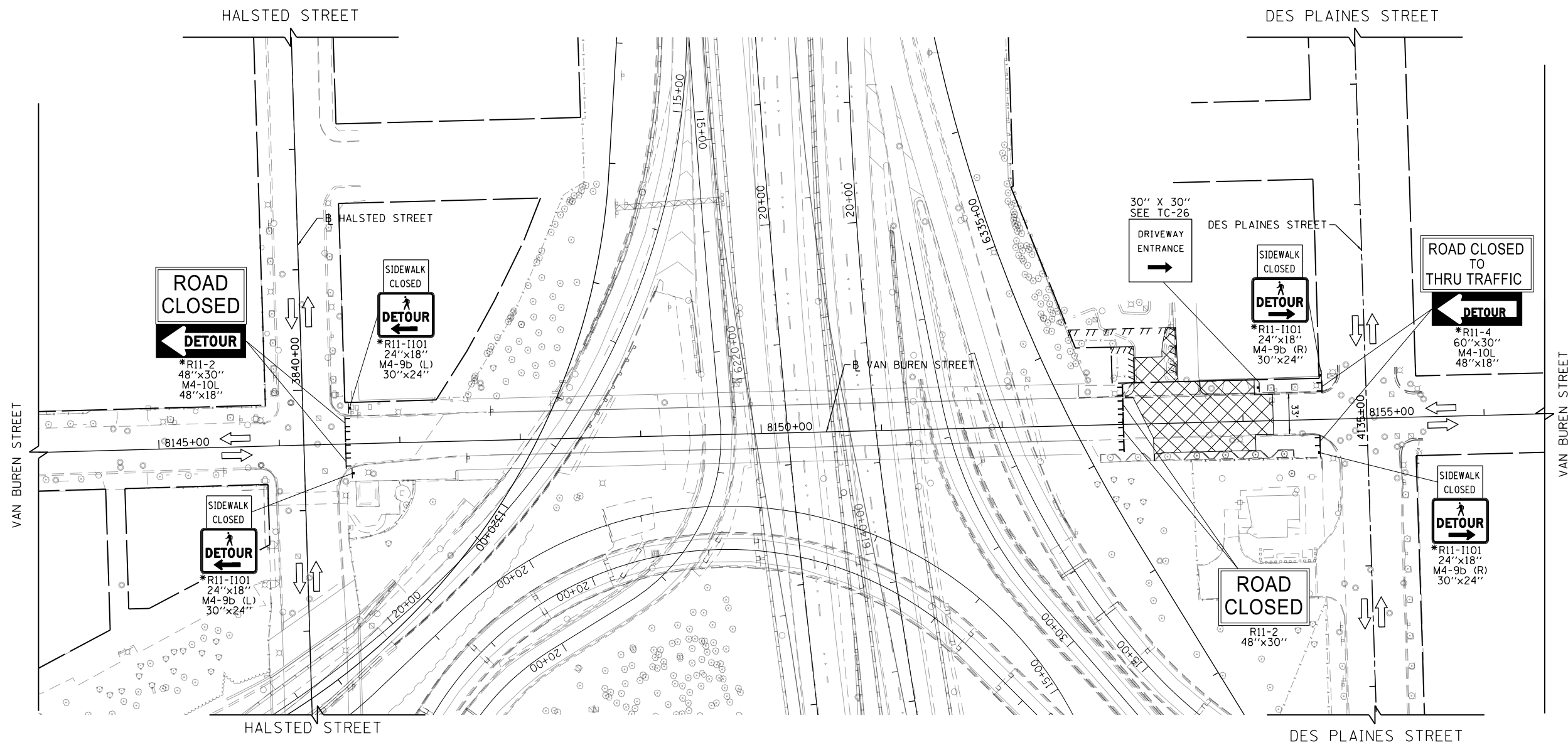
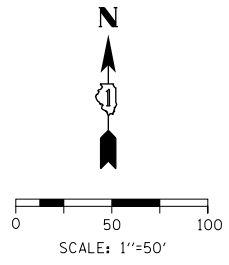
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGING OF CONSTRUCTION AND TRAFFIC CONTROL  
VAN BUREN STREET - STAGES 1 & 2**

SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. 8144+00 TO STA. 8156+00

F.A.I. RTE. 90/94/290	SECTION 2014-017B	COUNTY COOK	TOTAL SHEETS 442	SHEET NO. 124
CONTRACT NO. 60X99			ILLINOIS FED. AID PROJECT	





**NOTES**

1. MAINTAIN 2 LANES OF TRAFFIC ALONG EAST LEG OF VAN BUREN STREET TO PROVIDE ACCESS TO THE VAN BUREN STREET DRIVEWAY TO 711 JACKSON BOULEVARD AND ALLEYWAY THAT RUNS BEHIND 700 VAN BUREN STREET AND 324 DES PLAINES STREET.
2. DRIVEWAY CLOSURES TO THE VAN BUREN STREET DRIVEWAY TO 711 JACKSON BOULEVARD AND ALLEYWAY THAT RUNS BEHIND 700 VAN BUREN STREET AND 324 DES PLAINES STREET SHALL BE MINIMIZED AND COORDINATION WITH PROPERTY OWNERS IS REQUIRED.
3. MAINTAIN ACCESS TO THE JACKSON BOULEVARD DRIVEWAY TO 711 JACKSON BOULEVARD AT ALL TIMES.

**PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES**

- |   |  |
|---|--|
| (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE)                              | (H) IMPACT ATTENUATOR, TEMPORARY, TEST LEVEL 3 (SEE SCHEDULE)  |
| (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW)                             | (I) TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS @ 100' C-C (TYP) ON TANGENTS |
| (C) TEMP EPOXY PVT MK LINE 4 (2' DASH 6' SKIP, WHITE)                   | (J) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED  |
| (D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE)                 | (K) IMPACT ATTENUATOR, RELOCATE (SEE SCHEDULE)   |
| (E) TEMP EPOXY PVT MK LINE 8 (SOLID WHITE)                              | (L) TEMP EPOXY PVT MK LINE 8 (3' DASH 9' SKIP, WHITE)  |
| (F) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP) | (M) PINNING TEMPORARY CONCRETE BARRIER   |
| (G) TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED           |  |

**LEGEND**

- WORK ZONE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH FLASHING LIGHT

\*FROM PREVIOUS STAGE TO REMAIN

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DATE - 12/14/16	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGING OF CONSTRUCTION AND TRAFFIC CONTROL  
VAN BUREN STREET - STAGE 3**

SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. 8144+00 TO STA. 8156+00








F.A.I. RTE. 90/94/290	SECTION 2014-017B	COUNTY COOK	TOTAL SHEETS 442	SHEET NO. 125
CONTRACT NO. 60X99			ILLINOIS FED. AID PROJECT	

**EROSION CONTROL GENERAL NOTES**





1. THE CONSTRUCTION LIMITS WILL BE STAKED AND APPROVED BY THE ENGINEER PRIOR TO COMMENCING CONSTRUCTION. THE CONSTRUCTION LIMITS MAY BE ADJUSTED BY THE ENGINEER TO PRESERVE TREES AND NO ADDITIONAL COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR CHANGES IN CONSTRUCTION LIMITS.
2. EROSION CONTROL ITEMS ARE CONSIDERED HIGH PRIORITY ITEMS IN THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF SPECIFICATION TO NECESSARY ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY MANNER. THE CONTRACTOR SHALL INSTALL TEMPORARY EROSION CONTROL MEASURES PRIOR TO THE START OF CONSTRUCTION OPERATIONS WHICH WILL POTENTIALLY CREATE ERODIBLE CONDITIONS. PLACEMENT AND MAINTENANCE OF TEMPORARY EROSION CONTROL SYSTEMS WILL BE UTILIZED THROUGHOUT THE CONSTRUCTION LIMITS.
3. TEMPORARY EROSION CONTROL MEASURES SHALL BE CONSTRUCTED AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER. THE WORK SHALL BE COMPLETED IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS, CONTRACT SPECIAL PROVISIONS AND THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP).
4. THE CONTRACTOR SHALL UTILIZE THE GENERAL MAINTENANCE GUIDELINES AS OUTLINED IN THE SWPPP TO ENSURE GOOD AND EFFECTIVE OPERATING CONDITION OF THE VEGETATION AND EROSION AND SEDIMENT CONTROL MEASURES.
5. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON SITE. ALL CHANGES TO THE SOIL EROSION AND SEDIMENT CONTROL PLAN SHALL BE NOTED ON THE SITE.
6. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN HIGHWAY STANDARD 280001. STRAW BALES AND SILT FENCE SHOULD NOT BE USED AS INLET AND PIPE PROTECTION.
7. THE EROSION CONTROL MEASURES SHOWN ARE BUT A GRAPHICAL REPRESENTATION OF SUGGESTED MEASURES. DEVIATIONS FROM THIS PLAN ARE TO BE EXPECTED PENDING A JOBSITE INSPECTION BETWEEN THE CONTRACTOR AND THE DEPARTMENT.
8. THE CONTRACTOR WILL BE REQUIRED TO IMPLEMENT AND MAINTAIN SEDIMENT CONTROL MEASURES PRIOR TO STRIPPING EXISTING VEGETATION.
9. THE CONTRACTOR SHALL INSPECT ALL EROSION AND SEDIMENT CONTROL MEASURES WEEKLY AND AFTER EACH RAINFALL, 0.5 INCHES OR GREATER IN A 24 HOUR PERIOD, OR EQUIVALENT SNOWFALL. ADDITIONALLY DURING WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED AFTER EACH SIGNIFICANT SNOWMELT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF SAID MEASURES SHALL BE MADE IMMEDIATELY.
10. TEMPORARY EROSION CONTROL SEEDING SHALL BE APPROVED PER SUB-STAGE AS SOON AS ROUGH GRADING IS COMPLETED IN A SECTION. STABILIZATION OF DISTURBED AREAS MUST BE INITIATED WITHIN 1 WORKING DAY OF TEMPORARY OR PERMANENT CESSATION OF EARTH DISTURBING ACTIVITIES AND SHALL BE COMPLETED AS SOON AS POSSIBLE BUT NO LATER THAN 14 DAYS FROM THE INITIATION OF STABILIZATION OF WORK IN AN AREA.
11. MULCH, METHOD 2 AND SURFACE ROUGHENING SHALL BE USED FOR TEMPORARY STABILIZATION DURING WINTER IN ADDITION TO TEMPORARY EROSION CONTROL SEEDING WHEN GRADING WILL OCCUR WHILE THE GROUND IS SNOW COVERED WHEN TEMPORARY SEED WILL NOT GERMINATE AND PROVIDE EROSION CONTROL PROTECTION UNTIL THE FOLLOWING SPRING. SURFACE ROUGHENING WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF MULCH, METHOD 2.
12. ANY AREA WHERE THERE IS NO PROPOSED GRADING THE EXISTING GROUND COVER SHALL REMAIN.

13. TEMPORARY STOCKPILE LOCATIONS SHALL BE APPROVED BY THE ENGINEER AND WILL REQUIRE SILT FENCE AND TEMPORARY SEEDING.
14. THE CONTRACTOR SHALL INSTALL AND MAINTAIN INLET FILTERS AT ALL EXISTING INLETS ADJACENT TO THE EDGE OF PAVEMENT PRIOR TO THE START OF PRE-STAGE WORK. THE INLET FILTERS SHALL BE MAINTAINED AT EACH SUBSEQUENT STAGE UNTIL NO LONGER REQUIRED OR AS DIRECTED BY THE ENGINEER.
15. DURING CONSTRUCTION OPERATIONS, WHEN ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS OR DRAINAGE STRUCTURES SO THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY.
16. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PROJECT.
17. THE CONTRACTOR SHALL IMMEDIATELY INSTALL AND MAINTAIN INLET FILTERS AT ALL NEW INLETS AND DRAINAGE STRUCTURES. THE INLET FILTERS SHALL BE MAINTAINED AT EACH SUBSEQUENT STAGE UNTIL COMPLETION OF STAGING OR UNTIL NO LONGER REQUIRED.
18. THE CONSTRUCTION OF THE STABILIZED ENTRANCES/EXITS SHALL BE INCLUDED IN THE COST OF THE CONTRACT. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED. LOCATIONS OF THE ENTRANCES/EXITS SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. THE INSTALLATION OF THE ENTRANCE/EXITS SHALL BE IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL OR AS DIRECTED BY THE ENGINEER.
19. TEMPORARY OR PERMANENT STABILIZATION SHALL BE INSTALLED ON ALL AREAS DISTURBED DURING EACH STAGE OF CONSTRUCTION PRIOR TO SWITCHING TRAFFIC TO BEGIN THE SUBSEQUENT STAGE. ALSO, ALL EROSION CONTROL MEASURES PLACED DURING CONSTRUCTION SHALL REMAIN IN PLACE AND BE MAINTAINED UNTIL COMPLETION OF CONTRACT OR NO LONGER REQUIRED.
20. A QUANTITY OF 100 FEET OF EXPLORATION TRENCH, 52 INCH HAS BEEN INCLUDED IN THE PLANS FOR THE PURPOSE OF IDENTIFYING ANY BURIED OBSTACLE. THE ENGINEER SHALL APPROVE THE LOCATIONS OF THE EXPLORATION TRENCH, 52 INCH BEFORE ANY EXCAVATION MAY BEGIN.
21. ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION AND IDOT'S BEST MANAGEMENT PRACTICES MAINTENANCE GUIDE: ([HTTP://WWW.IDOT.ILLINOIS.GOV/TRANSPORTATION-SYSTEM/ENVIRONMENT/EROSION-AND-SEDIMENT-CONTROL](http://www.idot.illinois.gov/transportation-system/environment/erosion-and-sediment-control)).
22. THE CONTRACTOR SHOULD PROVIDE TO THE RESIDENT ENGINEER A PLAN TO ENSURE THAT A STABILIZED FLOW LINE WILL BE PROVIDED DURING STORM SEWER CONSTRUCTION. THE USE OF A STABILIZED FLOW LINE BETWEEN INSTALLED STORM SEWER AND OPEN DISTURBANCE WILL REDUCE THE POTENTIAL FOR THE OFFSITE DISCHARGE OF SEDIMENT-BEARING WATERS, ESPECIALLY WHEN RAIN IS FORECASTED, SO THAT FLOW WILL NOT ERODE. LACK OF APPROVED PLAN OR FAILURE TO COMPLY WILL RESULT IN AN EROSION AND SEDIMENT CONTROL DEFICIENCY DEDUCTION.
23. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.
24. ALL WORK ASSOCIATED WITH INSTALLATION AND MAINTENANCE OF CONCRETE WASHOUTS IS INCIDENTAL TO THE CONTRACT.

**TEMPORARY EROSION CONTROL LEGEND**

-  INLET FILTER
-  INLET FILTER (TO REMAIN FROM PREVIOUS STAGE)
-  PERIMETER EROSION BARRIER
-  MULCH, METHOD 2  
TEMPORARY EROSION CONTROL SEEDING  
SURFACE ROUGHENING
-  MULCH, METHOD 4  
SURFACE ROUGHENING
-  LIMITS OF CONSTRUCTION
-  TEMPORARY FENCE

**PERMANENT EROSION CONTROL LEGEND**

-  EROSION CONTROL BLANKET  
SEEDING, CLASS 2A  
TOPSOIL FURNISH AND PLACE, 4"  
NITROGEN FERTILIZER NUTRIENT  
POTASSIUM FERTILIZER NUTRIENT  
MOWING
-  SODDING, SALT TOLERANT  
TOPSOIL FURNISH AND PLACE, 4"  
NITROGEN FERTILIZER NUTRIENT  
POTASSIUM FERTILIZER NUTRIENT  
SUPPLEMENTAL WATERING
-  MULCH - 3"  
WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE
-  LIMITS OF CONSTRUCTION

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PLOT DATE = 12/15/2016	DATE - 12/14/16	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN  
GENERAL NOTES**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	126
CONTRACT NO. 60X99			ILLINOIS FED. AID PROJECT	

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**TEMPORARY EROSION CONTROL SCHEDULE**

	MULCH, METHOD 2	MULCH, METHOD 4	TEMPORARY EROSION CONTROL SEEDING	PERIMETER EROSION BARRIER	INLET FILTERS	TEMPORARY FENCE
STAGES	ACRE	ACRE	POUND	FOOT	EACH	FOOT
STAGE 1A	2.19	0.34	219	2,761	70	727
STAGE 1B	1.03	0.37	103	170	-	-
STAGE 2	1.01	0.39	101	78	-	-
STAGE 3	0.03	-	3	-	-	-
<b>TOTAL</b>	<b>4.50</b>	<b>1.25</b>	<b>450</b>	<b>3,009</b>	<b>70</b>	<b>727</b>

**PERMANENT EROSION CONTROL SCHEDULE**

	POTASSIUM FERTILIZER NUTRIENT	NITROGEN FERTILIZER NUTRIENT	SEEDING, CLASS 2A	EROSION CONTROL BLANKET	SODDING, SALT TOLERANT	SUPPLEMENTAL WATERING	SUPPLEMENTAL WATERING	TOPSOIL FURNISH AND PLACE, 4"	MOWING	MULCH	WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE	ARTIFICIAL TURF
	POUND	POUND	ACRE	SO YD	SO YD	UNIT	UNIT	SO YD	ACRE	CU YD	LB	SO YD
TOTAL	208	208	2.25	9,703	259	8.0	8.0	9,962	2.25	2	5	372

**INLET FILTER SCHEDULE**

**STAGE 1A**

LOCATION		ALIGNMENT	AMOUNT (EACH)
STATION	OFFSET		
1317+21.61	29.09 LT	P-CIR-SW	1
1317+24.29	38.34 LT	P-CIR-SW	1
1318+77.20	6.96 LT	P-CIR-SW	1
1318+86.11	0.13 RT	P-CIR-SW	1
1318+86.25	0.17 RT	P-CIR-SW	1
1318+88.72	6.59 LT	P-CIR-SW	1
1318+96.95	2.99 RT	P-CIR-SW	1
1318+97.00	3.05 RT	P-CIR-SW	1
1318+99.49	2.87 LT	P-CIR-SW	1
1320+64.00	11.00 RT	P-CIR-SW	1
1321+35.00	9.50 RT	P-CIR-SW	1
1321+38.87	20.90 RT	P-CIR-SW	1
1323+08.03	8.99 RT	P-CIR-SW	1
1323+35.04	12.30 RT	P-CIR-SW	1
1323+41.52	11.71 RT	P-CIR-SW	1
1322+49.96	34.61 LT	P-CIR-SW	1
8146+71.63	21.72 LT	P-VAN-CL	2
8146+85.96	15.09 RT	P-VAN-CL	2
8147+22.56	46.64 RT	P-VAN-CL	1
8147+08.93	21.84 LT	P-VAN-CL	1
8147+11.91	13.45 RT	P-VAN-CL	1
8147+68.08	47.61 LT	P-VAN-CL	1
8147+68.47	43.68 LT	P-VAN-CL	1
8153+18.16	22.00 LT	P-VAN-CL	1
8153+33.92	11.00 RT	P-VAN-CL	1
8153+71.52	10.63 RT	P-VAN-CL	1
8153+71.53	21.60 LT	P-VAN-CL	1
8153+71.69	11.00 RT	P-VAN-CL	1
8153+74.28	22.00 LT	P-VAN-CL	1
8154+48.86	11.27 RT	P-VAN-CL	1
8154+57.59	21.98 LT	P-VAN-CL	1
19+97.23	89.56 RT	E-KDR-NB	1
19+00.50	63.06 RT	E-KDR-NB	1
18+61.65	115.57 RT	E-KDR-NB	1
18+55.86	112.85 RT	E-KDR-NB	1
17+83.69	132.44 RT	E-KDR-NB	1
18+18.23	96.06 RT	E-KDR-NB	1
16+55.06	177.17 RT	E-KDR-NB	1
22+47.72	75.93 LT	E-KDR-SB	1
22+38.56	65.74 LT	E-KDR-SB	1
19+33.56	30.69 LT	E-KDR-SB	1
19+28.42	30.54 LT	E-KDR-SB	1
19+33.13	34.93 RT	E-KDR-SB	1
17+89.31	27.30 LT	E-KDR-SB	1
17+85.76	25.69 RT	E-KDR-SB	1
17+72.47	41.11 RT	E-KDR-SB	1
16+52.80	18.48 RT	E-CIR-SE	1
17+16.63	11.88 RT	E-CIR-SE	1
19+00.91	10.52 RT	E-CIR-SE	1
19+85.50	14.97 RT	E-CIR-SE	1
19+39.93	25.08 RT	E-KDR-NB	1
18+85.63	37.75 RT	E-KDR-NB	1
18+47.33	33.42 RT	E-KDR-NB	1
18+12.06	33.54 RT	E-KDR-NB	1
18+12.38	26.01 RT	E-KDR-NB	1
17+91.36	29.41 RT	E-KDR-NB	1
17+77.37	38.61 RT	E-KDR-NB	1
17+76.08	29.74 RT	E-KDR-NB	1
16+75.12	25.85 RT	E-KDR-NB	1
16+02.20	33.46 RT	E-KDR-NB	1
15+73.43	37.03 RT	E-KDR-NB	1
15+73.33	24.59 RT	E-KDR-NB	1
15+60.46	28.73 LT	E-KDR-NB	1
14+92.09	41.22 RT	E-KDR-NB	1
13+92.25	31.19 LT	E-KDR-NB	1
13+90.42	25.27 RT	E-KDR-NB	1
13+24.30	37.02 RT	E-KDR-NB	1
13+19.63	31.20 LT	E-KDR-NB	1
<b>TOTAL</b>			<b>70</b>



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 PLOT SCALE = 20.0000' / 1"  
 PLOT DATE = 3/30/2017

DESIGNED - JLV  
 DRAWN - JSL  
 CHECKED - JMG  
 DATE - 3/31/17

REVISED -  
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 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

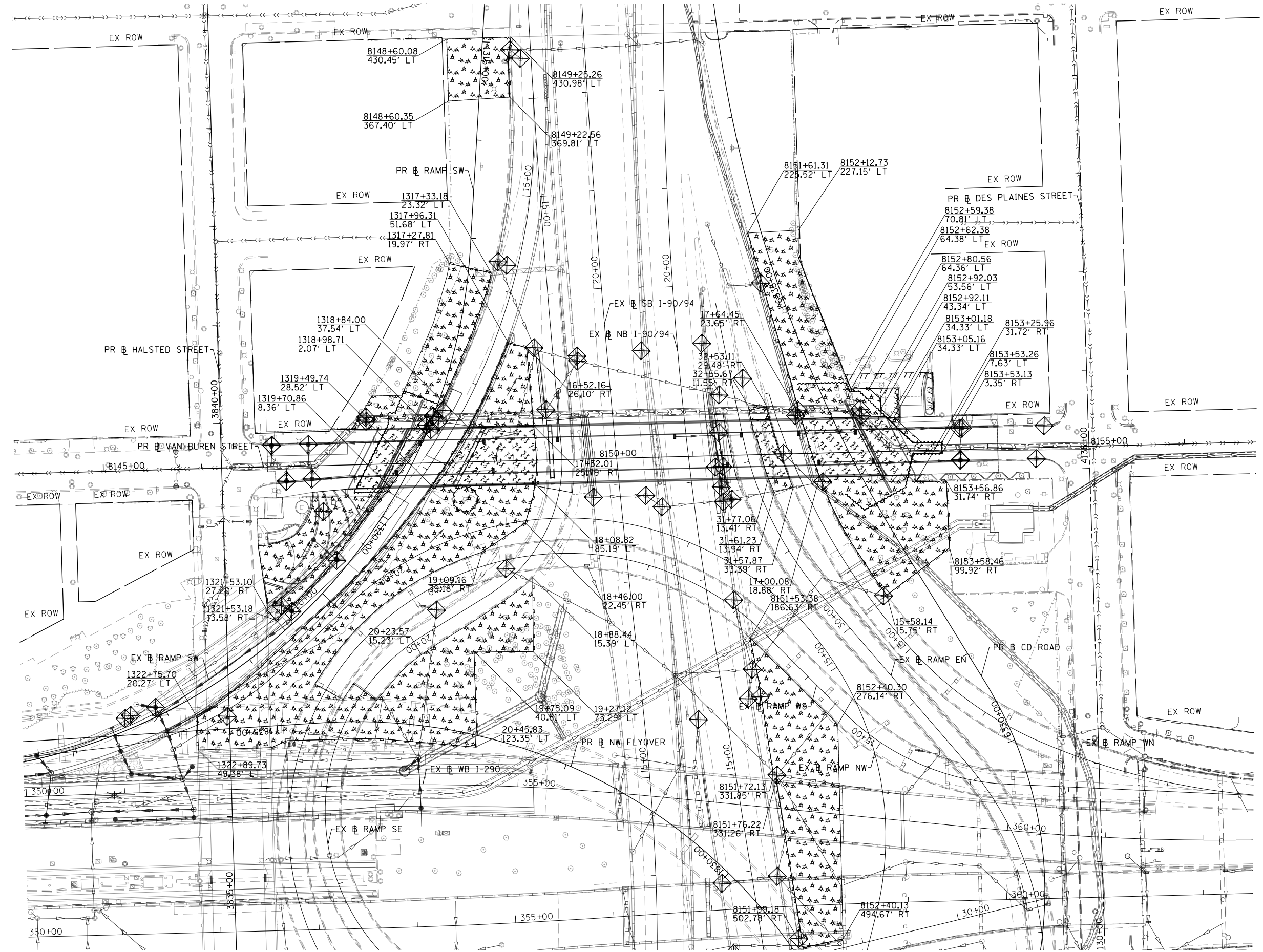
**EROSION AND SEDIMENTATION CONTROL PLAN  
 SCHEDULES**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	127
CONTRACT NO. 60X99			ILLINOIS FED. AID PROJECT	



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SCALE: 1" = 50'



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PLOT SCALE = 100.0000' / in.  
PLOT DATE = 12/15/2016

DESIGNED - JLV  
DRAWN - BAW  
CHECKED - JLV  
DATE - 12/14/16  
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENTATION CONTROL PLAN STAGE 1A

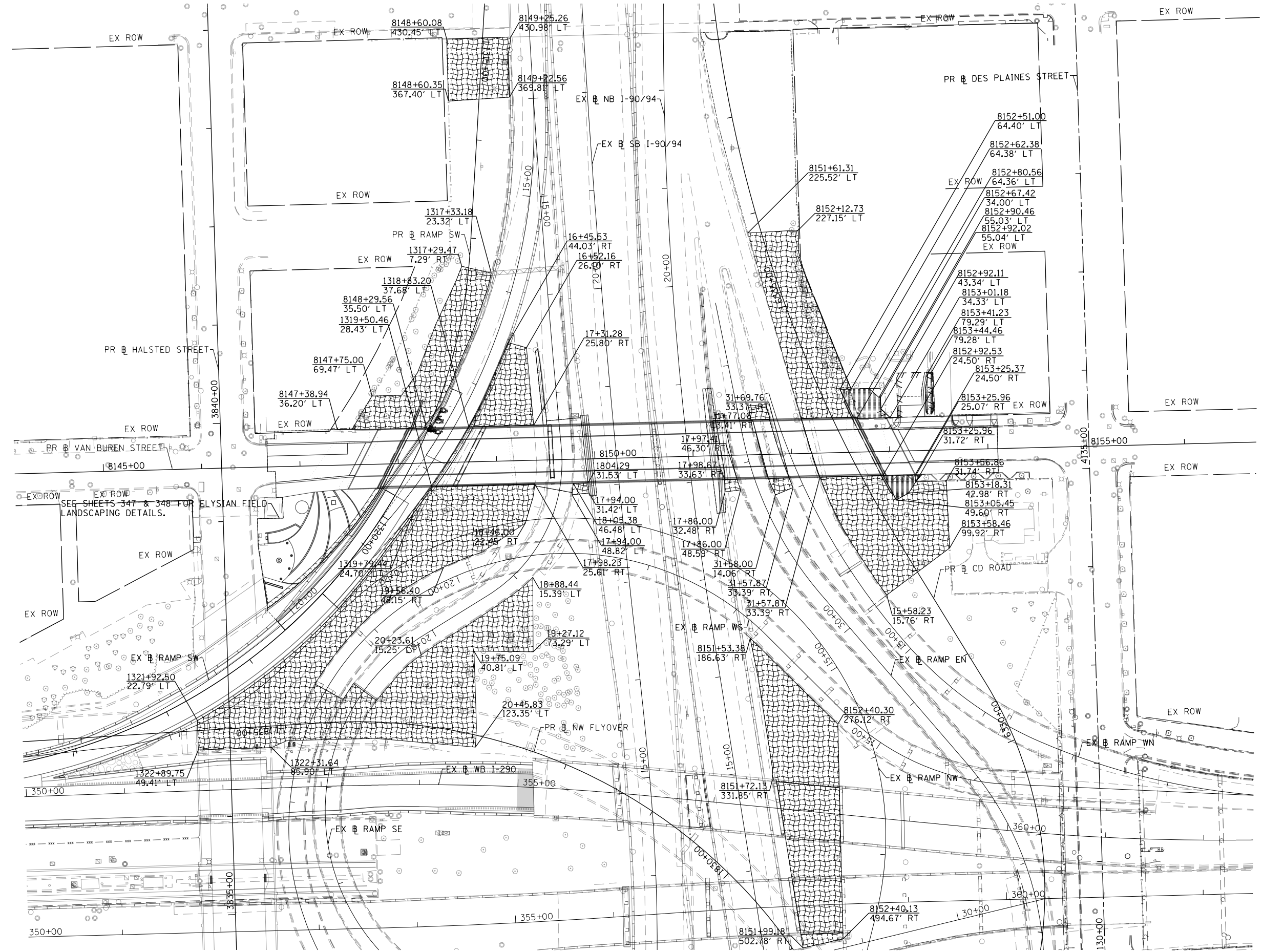
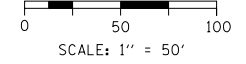
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F.A.I. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	128
CONTRACT NO. 60X99				
ILLINOIS FED. AID PROJECT				









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 PLOT DATE = 3/30/2017

DESIGNED - JLV  
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 CHECKED - JMG  
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

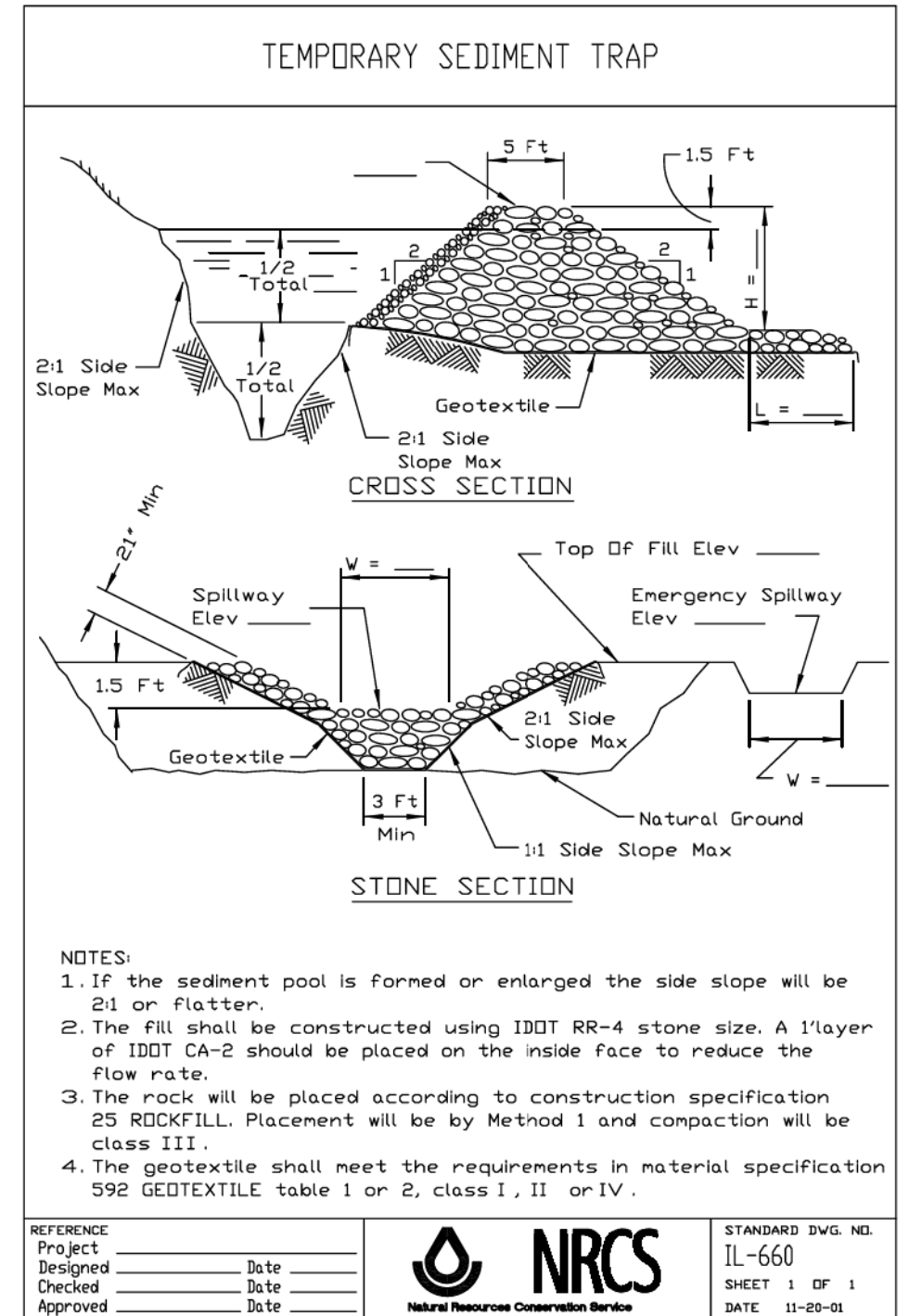
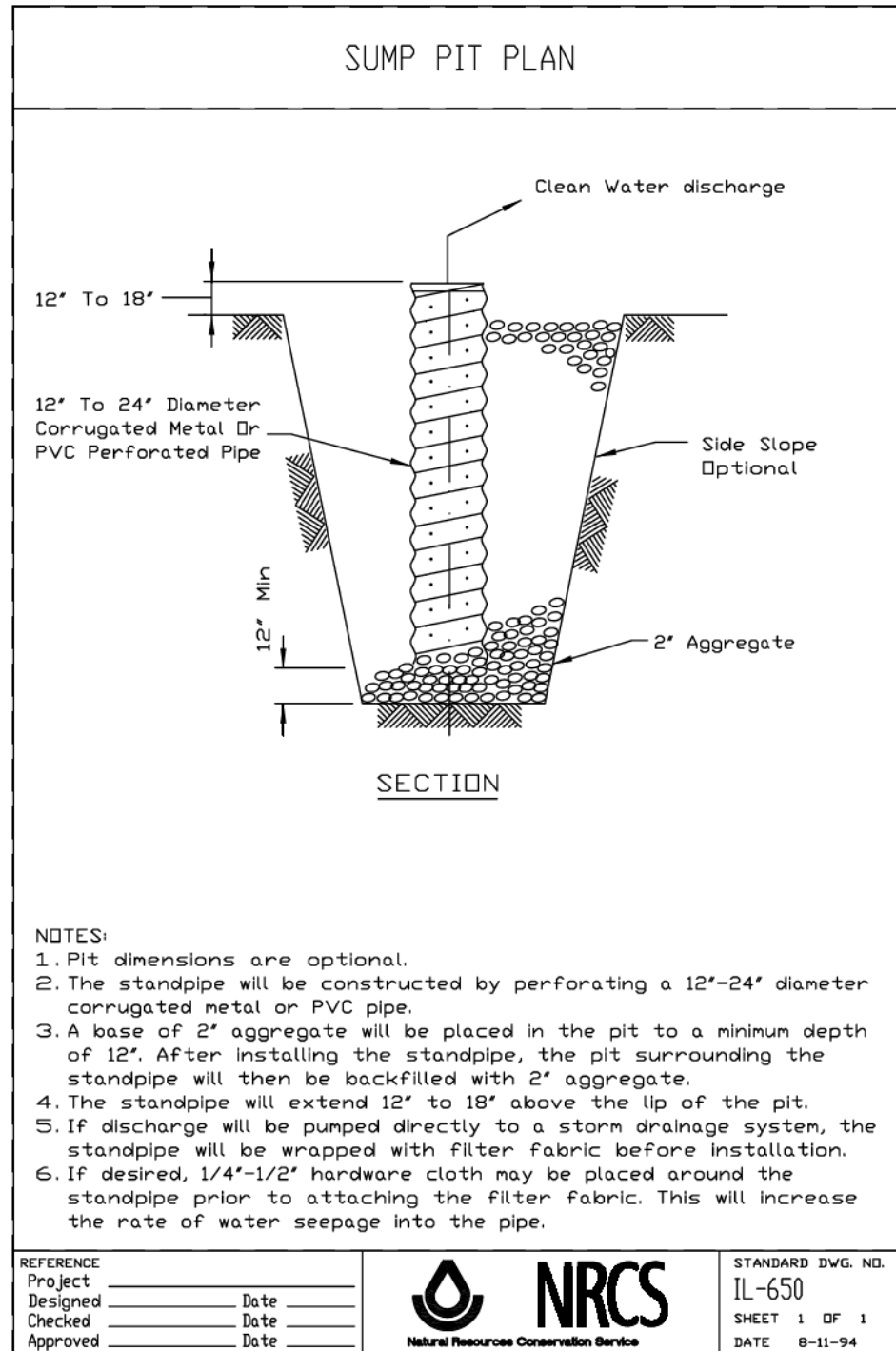
**PERMANENT EROSION AND SEDIMENTATION CONTROL PLAN**

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE. 90/94/290	SECTION 2014-017B	COUNTY COOK	TOTAL SHEETS 442	SHEET NO. 132
CONTRACT NO. 60X99				ILLINOIS FED. AID PROJECT



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 PLOT DATE = 12/15/2016

DESIGNED - JLV  
 DRAWN - BAW  
 CHECKED - JLV  
 DATE - 12/14/16

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENTATION CONTROL PLAN  
 DETAILS**

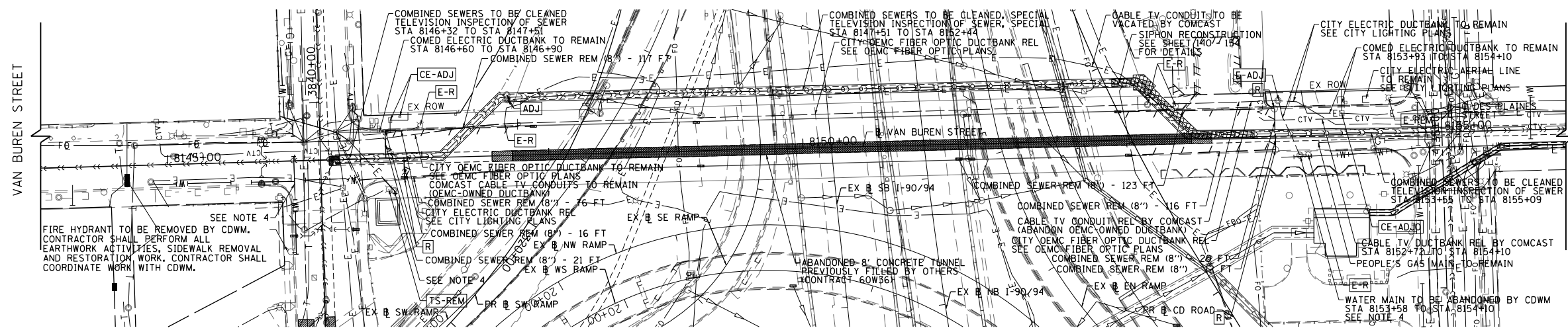
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	133
CONTRACT NO. 60X99				
ILLINOIS FED. AID PROJECT				

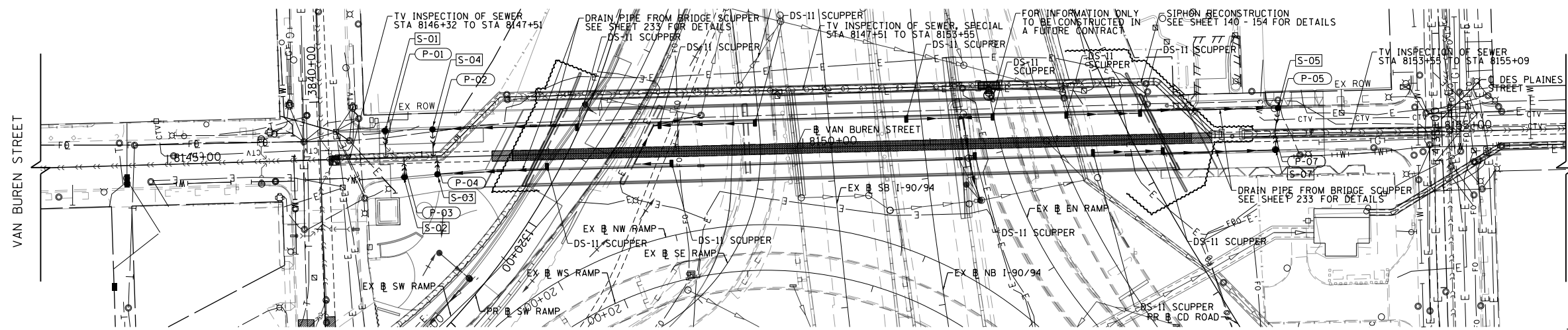
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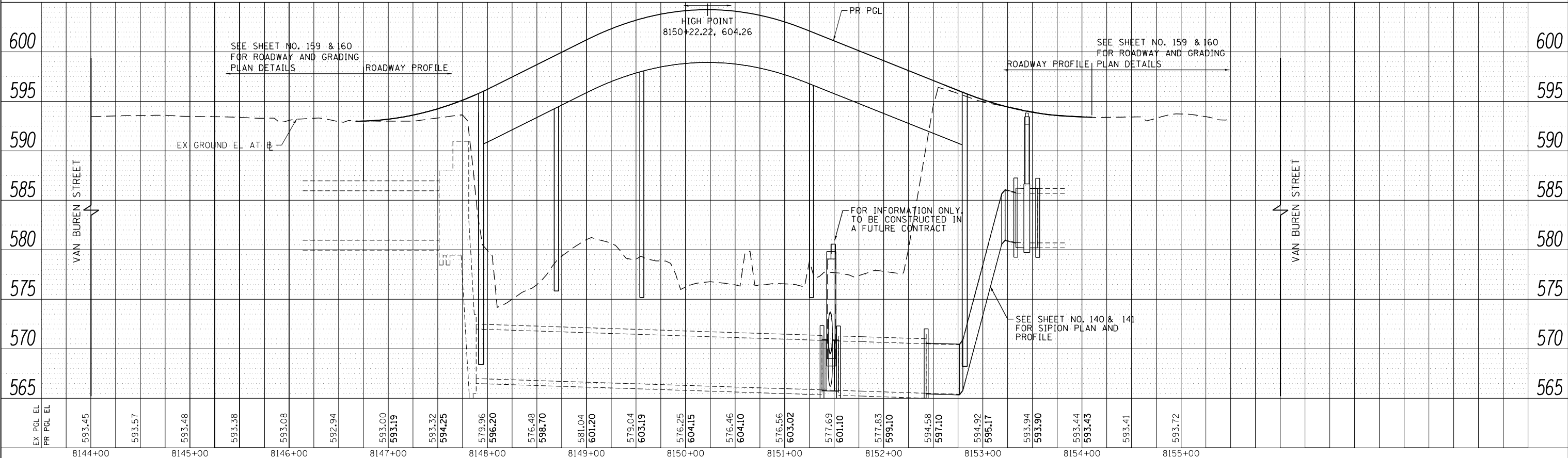
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- ### ADJUSTMENT AND REMOVAL LEGEND
- [E-ADJ] CITY ELECTRIC ADJUST
  - [E-R] CITY ELECTRIC REMOVAL
  - [W-ADJ] CITY WATER ADJUST
  - [CE-ADJO] COMED ADJUST BY OTHERS
  - [TS-REM] TRAFFIC SIGNAL TO REMAIN
  - [ADJ] STRUCTURE ADJUST
  - [R] STRUCTURE REMOVAL



- ### NOTES:
- SEE SHEET NO. 38 FOR DRAINAGE STRUCTURE AND PIPE SCHEDULES.
  - SEE SHEET NO. 135 TO 136 FOR I-90/94 DRAINAGE REMOVALS.
  - SEE STRUCTURAL SHEETS FOR DS-11 SCUPPER DETAILS.
  - CDWM SHALL CUT AND CAP THE WATER MAIN.



EX PCL EL	PR PCL EL	8144+00	8145+00	8146+00	8147+00	8148+00	8149+00	8150+00	8151+00	8152+00	8153+00	8154+00	8155+00
		593.45	593.57	593.48	593.38	593.08	592.94	593.00	593.19	593.32	594.25	579.96	596.20
												576.48	598.70
												581.04	601.20
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PLOT DATE = 3/30/2017	DATE - 3/31/17	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLAN AND PROFILE		
VAN BUREN STREET		
SCALE: 1"=50'	SHEET 1 OF 6 SHEETS	STA. 8144+00 TO STA. 8156+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	134
CONTRACT NO. 60X99			ILLINOIS FED. AID PROJECT	

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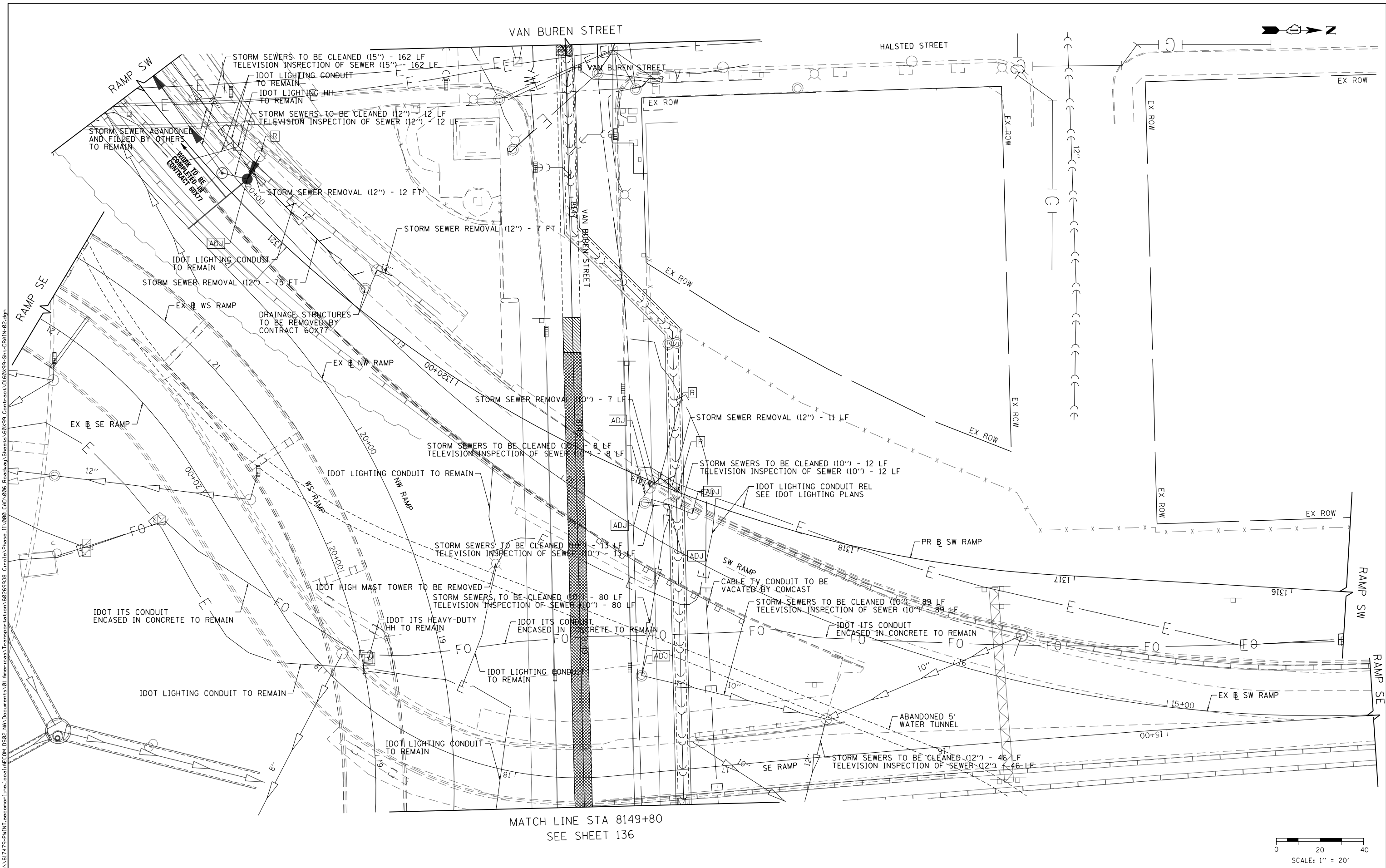
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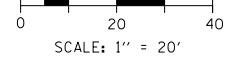
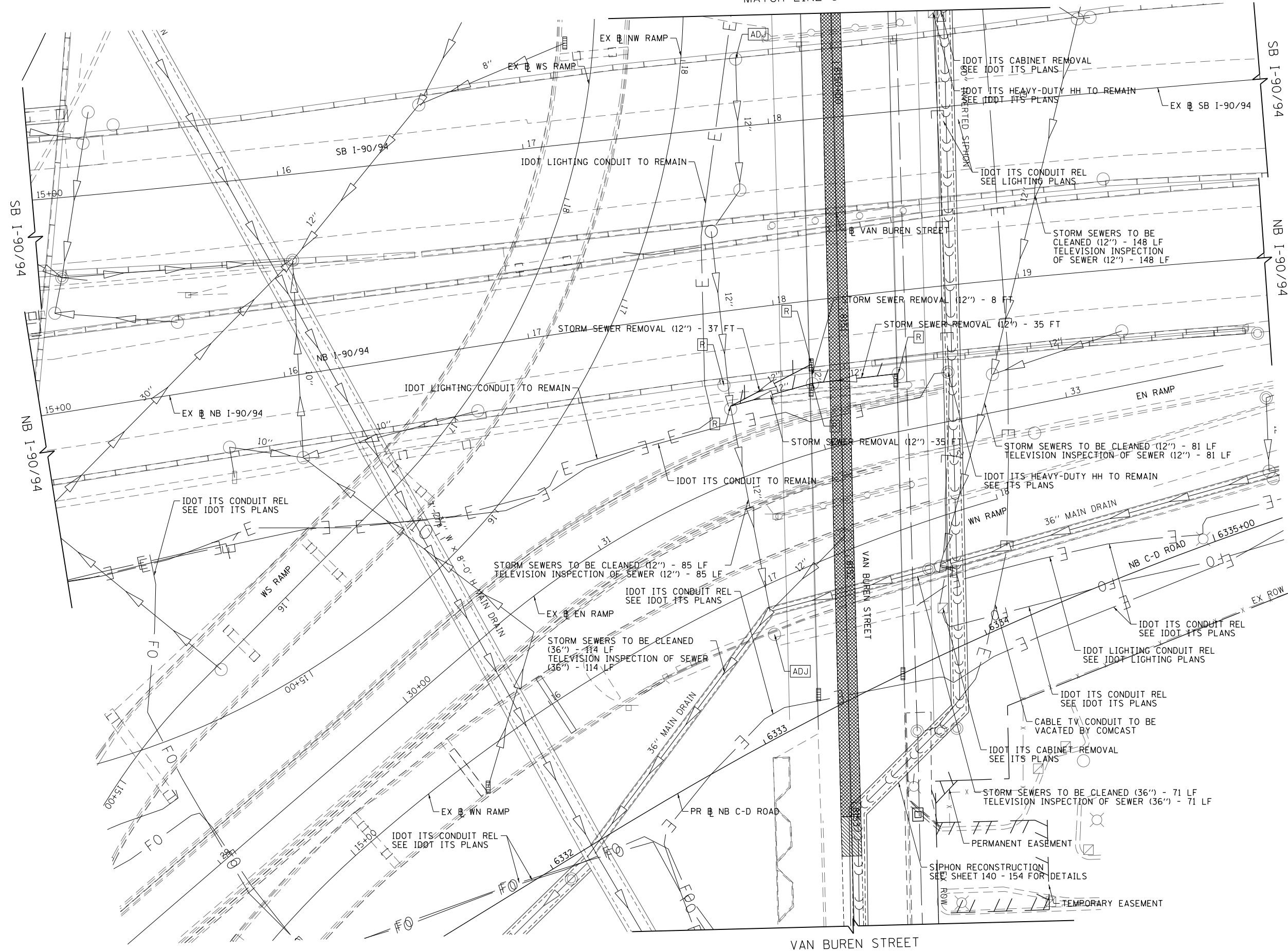
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY REMOVAL PLAN**  
 I-90/94  
 SCALE: 1"=20' SHEET 2 OF 6 SHEETS STA. TO STA.

F.A.I. RTE. 90/94/290	SECTION 2014-017B	COUNTY COOK	TOTAL SHEETS 442	SHEET NO. 135
CONTRACT NO. 60X99				
ILLINOIS FED. AID PROJECT				



SEE SHEET 135  
MATCH LINE STA 8149+80



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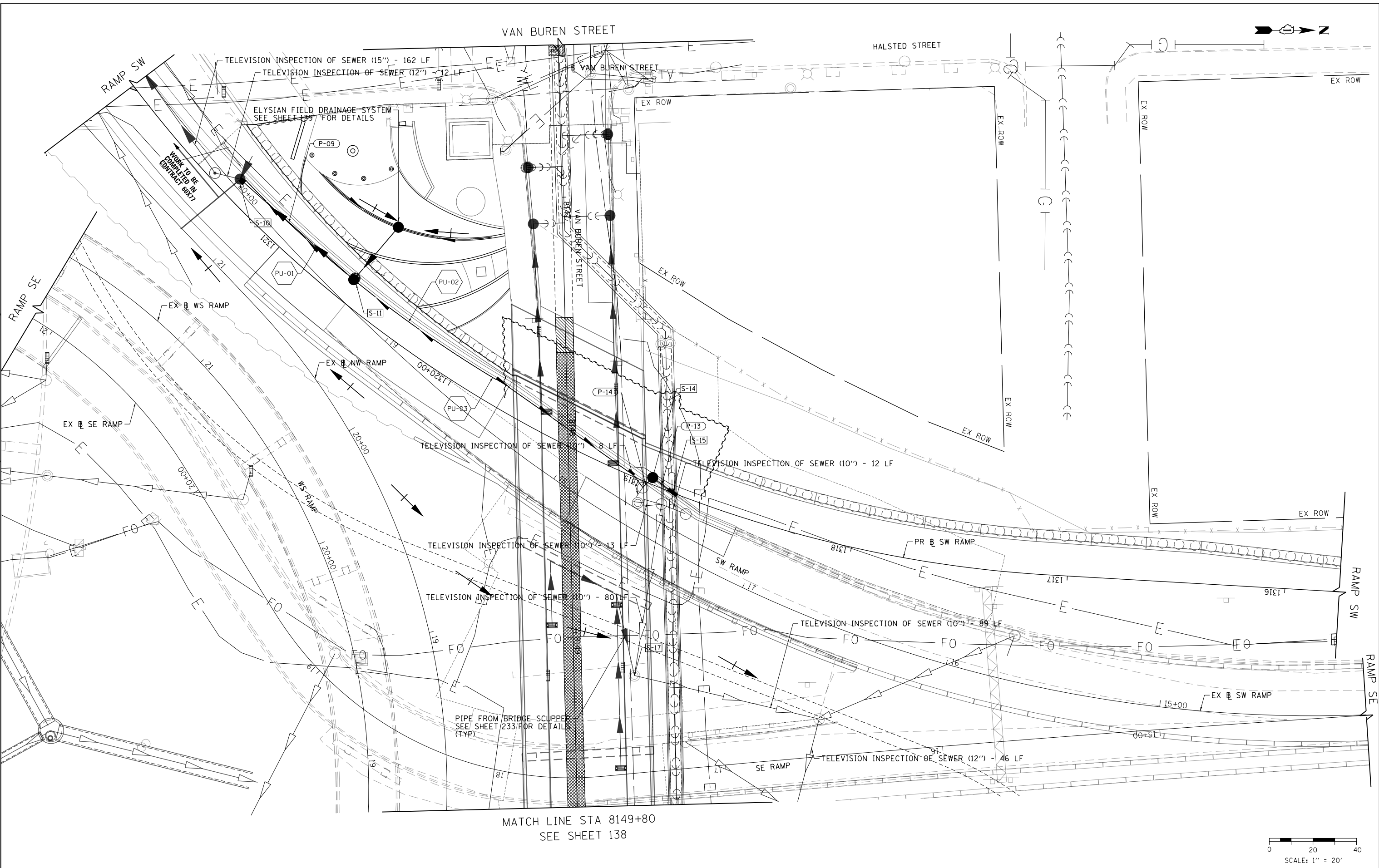
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DATE - 3/31/17	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DRAINAGE AND UTILITY REMOVAL PLAN</b>			
<b>I-90/94</b>			
SCALE: 1"=20'	SHEET 3	OF 6 SHEETS	STA. TO STA.

F.A.I. RTE. 90/94/290	SECTION 2014-017B	COUNTY COOK	TOTAL SHEETS 442	SHEET NO. 136
CONTRACT NO. 60X99				
ILLINOIS FED. AID PROJECT				

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MATCH LINE STA 8149+80  
SEE SHEET 138

0 20 40  
SCALE: 1" = 20'



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DATE - 3/31/17	REVISED -

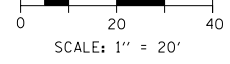
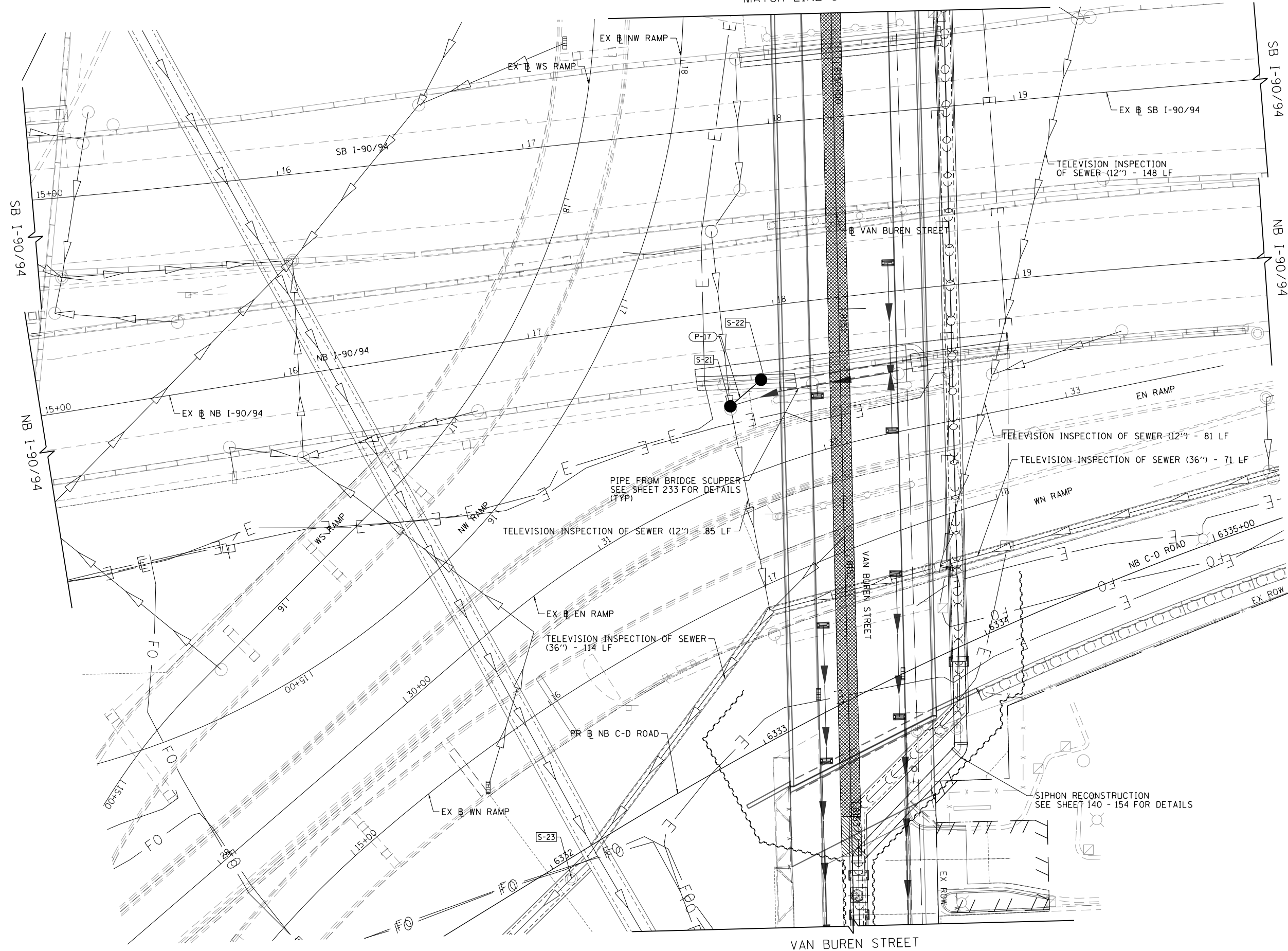
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED DRAINAGE AND UTILITY PLAN  
I-90 / 94

SCALE: 1"=20' SHEET 4 OF 6 SHEETS STA. TO STA.

F.A.I. RTE. 90/94/290	SECTION 2014-017B	COUNTY COOK	TOTAL SHEETS 442	SHEET NO. 137
CONTRACT NO. 60X99				
ILLINOIS FED. AID PROJECT				

SEE SHEET 137  
MATCH LINE STA 8149+80



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PLOT DATE = 3/30/2017

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DRAWN - BAW  
CHECKED - MKW  
DATE - 3/31/17

REVISED -  
REVISED -  
REVISED -  
REVISED -

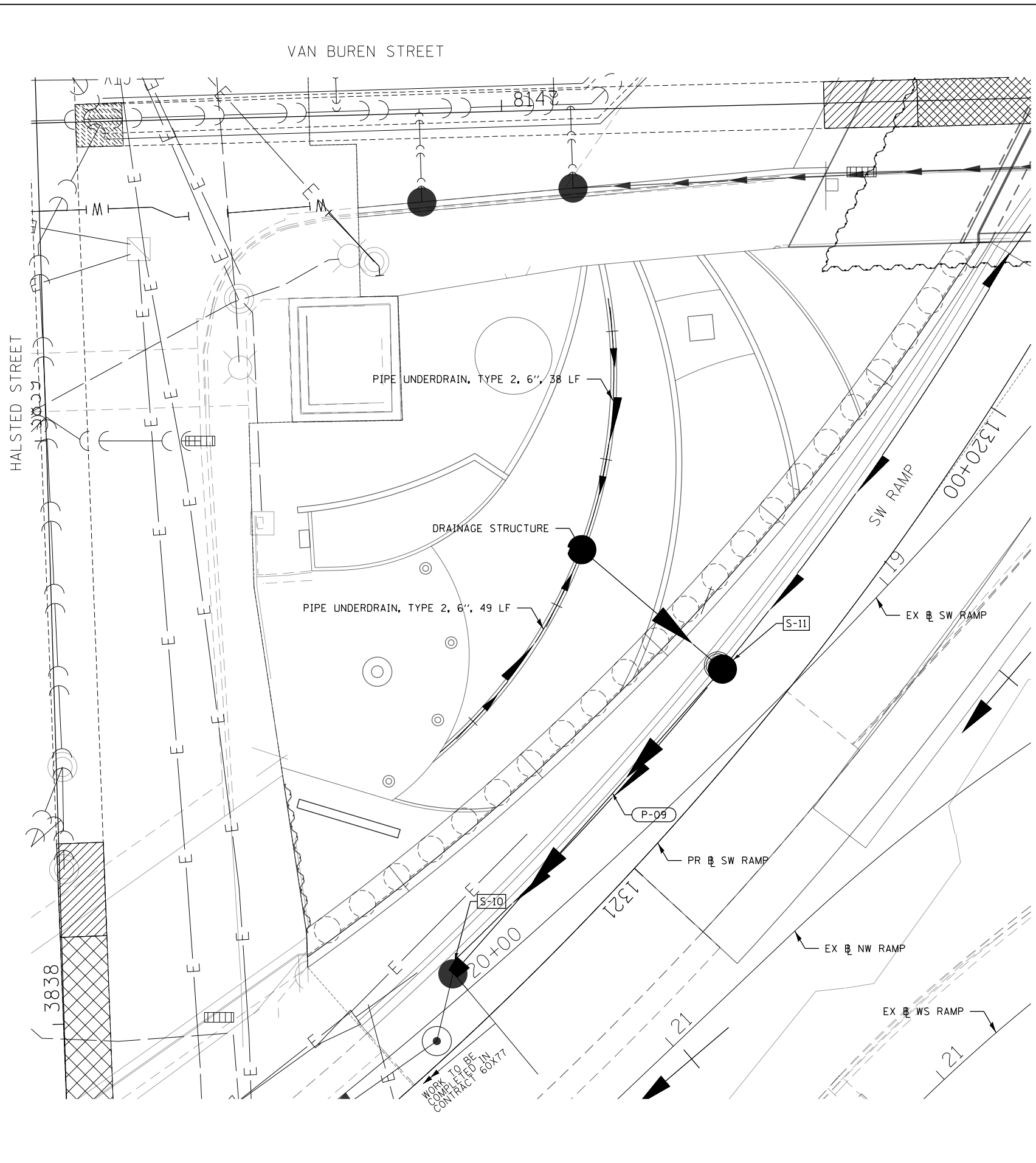
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED DRAINAGE AND UTILITY PLAN  
I-90/94**

SCALE: 1"=20' SHEET 5 OF 6 SHEETS STA. TO STA.

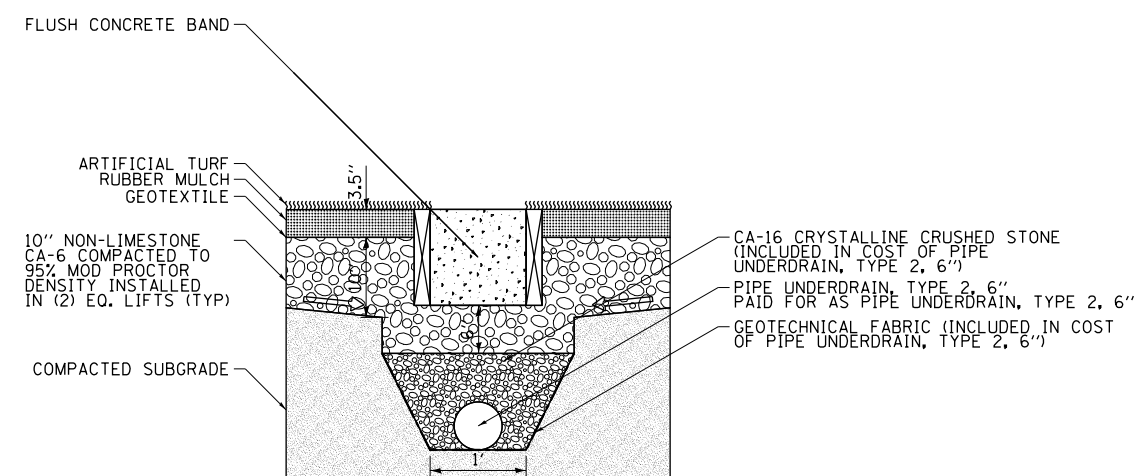
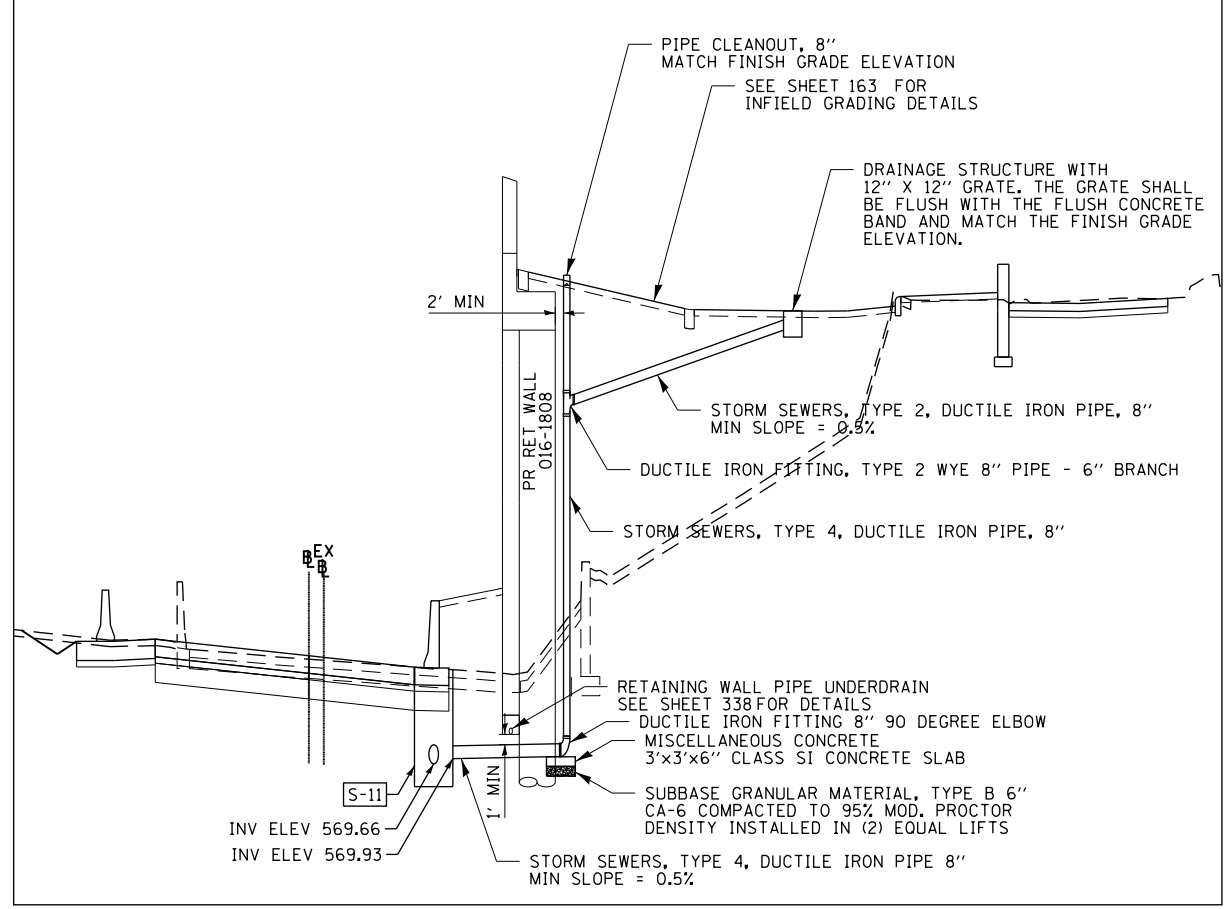
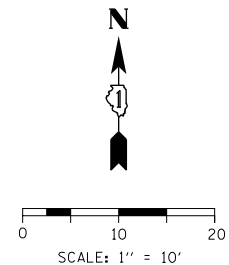
F.A.I. RTE. 90/94/290	SECTION 2014-017B	COUNTY COOK	TOTAL SHEETS 442	SHEET NO. 138
CONTRACT NO. 60X99			ILLINOIS FED. AID PROJECT	

FILE PATH = p:\617479-P\INT.dwg\60X99-Sht-DRAIN-06.dgn



BILL OF MATERIAL		
ITEM	UNIT	QUANTITY
DUCTILE IRON FITTING, TYPE 2 WYE 8" PIPE - 6" BRANCH	EACH	1
DUCTILE IRON FITTING 8" 90 DEGREE ELBOW	EACH	1
PIPE CLEANOUT, 8"	EACH	1
STORM SEWERS, TYPE 4, DUCTILE IRON PIPE 8"	FOOT	95
DRAINAGE STRUCTURE	EACH	1
SUBBASE GRANULAR MATERIAL, TYPE B 6"	SO YD	1
MISCELLANEOUS CONCRETE	CU YD	4.5

NOTE: ALL ITEMS INCLUDED IN THE COST OF DRAINAGE SYSTEM (SPECIAL)



NOTE: SEE SHEET 349 AND 354 FOR ELYSIAN FIELD LANDSCAPING DETAILS ON CONCRETE CURB (SPECIAL) AND ARTIFICIAL TURF STRUCTURE



D160X99-Sht-DRAIN-06.dgn	DESIGNED - MKW	REVISED -
USER NAME = mkwilson	DRAWN - CAT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - MKW	REVISED -
PLOT DATE = 12/15/2016	DATE - 12/14/16	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN  
ELYSIAN FIELD

SCALE: 1"= 10' SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	139
CONTRACT NO. 60X99				
ILLINOIS FED. AID PROJECT				

**GENERAL NOTES**

1. ALL DIMENSIONS, ELEVATIONS, SIZES AND DETAILS OF THE EXISTING SIPHON STRUCTURE AND ORIGINAL COMBINED SEWER HAVE BEEN TAKEN FROM DRAWINGS TITLED (INCLUDED IN THE PLANS):  
  
NORTHWEST ROUTE SUPERHIGHWAY  
PLANS FOR VAN BUREN STREET BRIDGE  
SECTION 0101.2-1B  
F.A.I. ROUTE NO. 2 PROJECT 1-02-2 (49)  
APPROVED MARCH 19, 1957
2. SEE SPECIAL PROVISION SIPHON RECONSTRUCTION FOR ADDITIONAL INFORMATION, CONSTRUCTION REQUIREMENTS AND MATERIAL SPECIFICATIONS.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS AND SIZES PRIOR TO CONSTRUCTION OR DEMOLITION AND REPORT DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING.
4. CONDITION OF THE EXISTING 60" COMBINED SEWER AND 60 INCH REINFORCED CONCRETE SIPHON PIPE IS ANTICIPATED TO BE SUITABLE AFTER PROPER CLEANING FOR THE APPLICATION OF ADHESIVE WATER STOP MATERIAL AND WATER PROOF TAPE.
5. CAST IN PLACE CONCRETE COLLARS SHALL BE FORMED AND INSTALLED AS SPECIFIED ASSUMING THE EXISTING AND ORIGINAL PIPE CONDITIONS ARE AS ANTICIPATED. IF CONDITIONS VARY FROM WHAT IS INDICATED, THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER FOR DIRECTION BEFORE PROCEEDING.
6. ALL NEW SIPHON PIPE SHALL BE 60 INCH DUCTILE IRON PIPE PRESSURE CLASS 150 SUPPLIED WITH AMERICAN LOK-RING JOINTS OR ENGINEERS APPROVED EQUAL PRODUCT.
7. ALL NEW DUCTILE IRON FITTINGS SHALL BE SUPPLIED WITH AMERICAN LOK-RING JOINTS OR ENGINEERS APPROVED EQUAL PRODUCT.
8. THE 60 INCH DIP SHALL BE FULLY SUPPORTED WHERE IT CONNECTS TO THE EXISTING 60 INCH RCP SO THAT NO WEIGHT IS PLACED ON THE EXISTING PIPE.
9. CAST IN PLACE CONCRETE SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH F'c OF 4000 PSI.
10. REINFORCEMENT STEEL SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS WITH A MINIMUM YIELD STRENGTH OF 60,000 PSI.
11. ADHESIVE WATERSTOP MATERIAL SHALL BE SYNKO-FLEX SF302 WATERSTOP BY HENRY CO OR ENGINEERS APPROVED EQUAL PRODUCT.
12. WATER PROOF TAPE SHALL BE TREMCO ET-675 EXTRUDED FLOW-RESISTANT TAPE OR ENGINEERS APPROVED EQUAL PRODUCT.
13. CONTROLLED LOW STRENGTH MATERIAL SHALL BE IN ACCORDANCE WITH ARTICLE 1019 OF THE STANDARD SPECIFICATIONS WITH A MAXIMUM COMPRESSIVE STRENGTH OF 150 PSI.
14. ISOLATION MATERIAL PLACED OVER THE DUCTILE IRON PIPE SIPHON PIPE UNDER THE BRIDGE WINGWALL FOOTING SHALL BE IN ACCORDANCE WITH ARTICLE 1051.09 OF THE STANDARD SPECIFICATIONS.
15. SEWER FLOW MUST BE MAINTAINED AT ALL TIMES. THE CONTRACTOR SHALL INSTALL A TEMPORARY BYPASS PIPE WHICH AT A MINIMUM SHALL BE A 24 INCH HDPE PIPE.
16. THE CONTRACTOR SHALL TAKE CAUTION WHEN REMOVING THE EXISTING SIPHON OUTLET CHAMBER AND 60 INCH RCP SIPHON PIPE AND COMBINED SEWER SO THAT THE TEMPORARY 24 INCH HDPE BYPASS PIPE IS NOT DAMAGED.

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PLOT DATE = 12/15/2016	DATE - 12/14/16	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIPHON GENERAL NOTES  
VAN BUREN STREET**

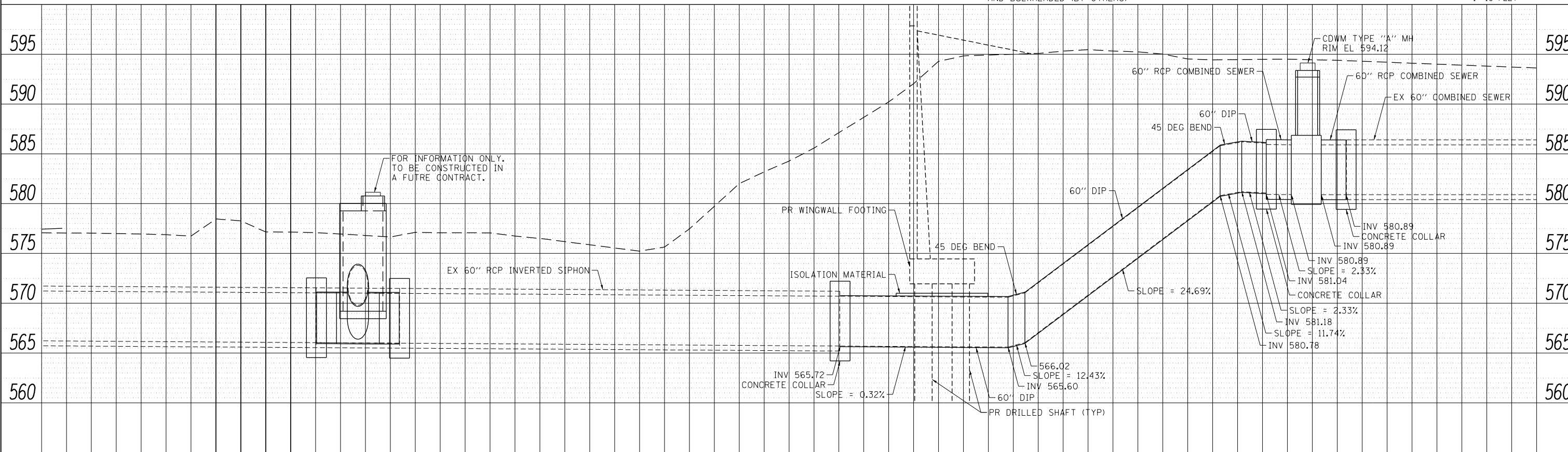
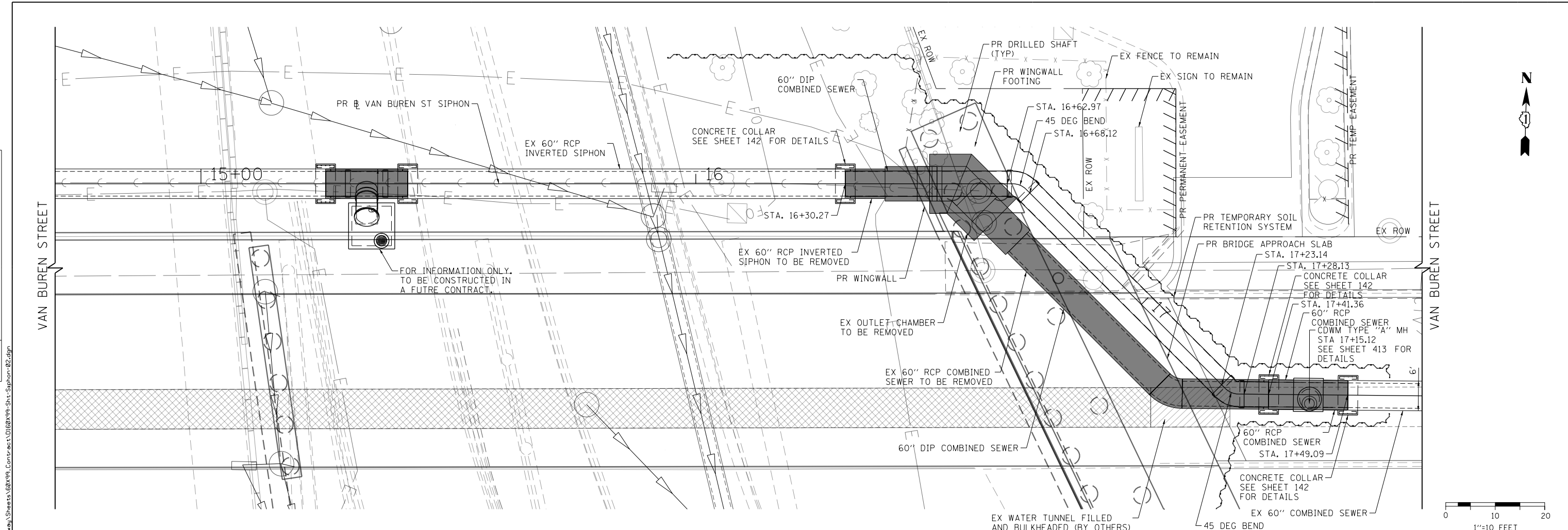
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	140
CONTRACT NO. 60X99			ILLINOIS FED. AID PROJECT	



PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOT AT THIS OFFICE	
	NOTE BOOK NO.	
	CHECKED	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
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	NOTE BOOK NO.	
	CHECKED	
	FILE NAME	



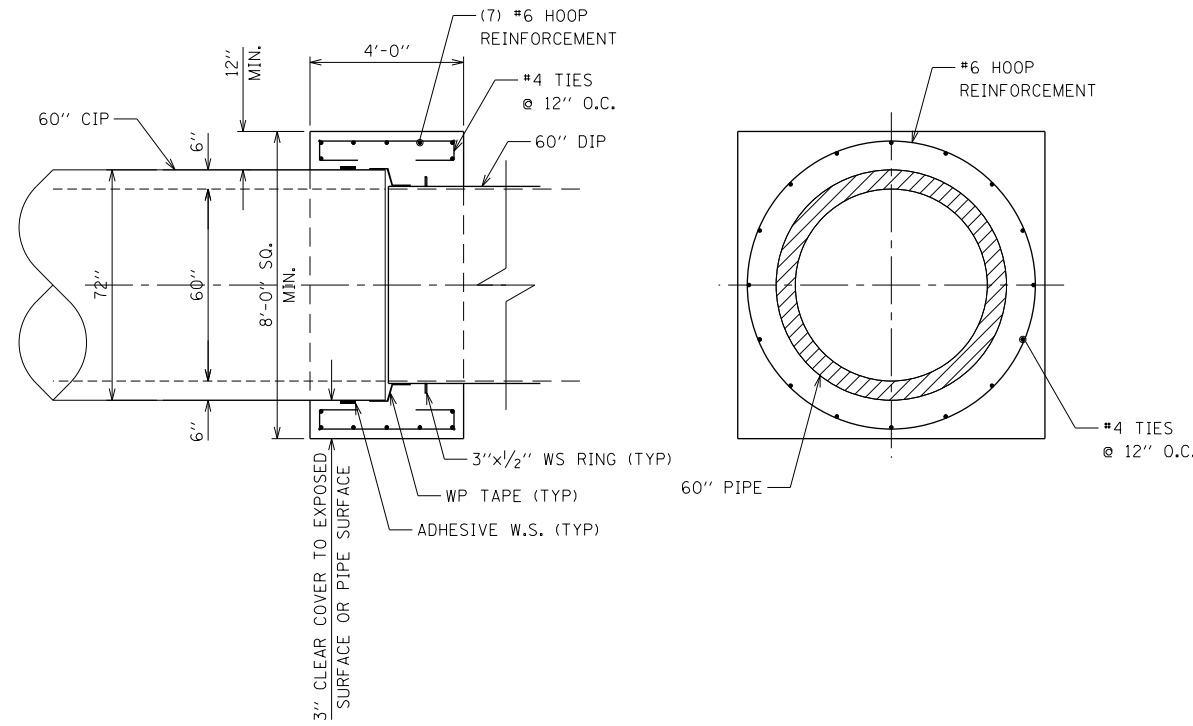
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DESIGNED - JEH DRAWN - CWD CHECKED - JMG DATE - 12/14/16			REVISED - REVISED - REVISED - REVISED -		
<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>					
<b>SIPHON PLAN AND PROFILE</b> <b>VAN BUREN STREET</b>					
F.A.I. RTE. 90/94/290		COUNTY COOK		TOTAL SHEETS 442 SHEET NO. 141	
ILLINOIS FED. AID PROJECT					



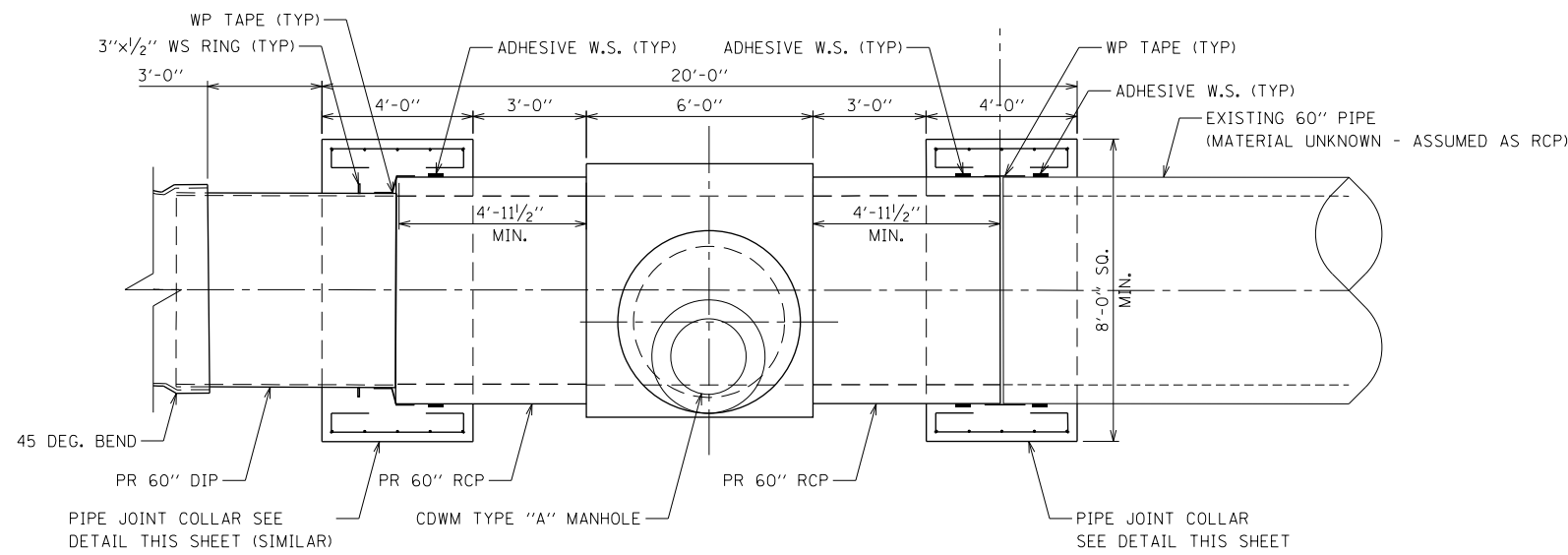
**SEQUENCE OF CONSTRUCTION:**

THE SEQUENCE OF CONSTRUCTION MUST ENSURE THAT SEWER FLOWS WILL BE UNINTERRUPTED DURING CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR DEVELOPING THE SEQUENCE OF CONSTRUCTION FOR THE WORK AND ENSURING UNINTERRUPTED FLOW AT ALL TIMES. THE FOLLOWING SEQUENCE OF CONSTRUCTION WAS DEVELOPED AS AN OPTION. OTHER CONSTRUCTION SEQUENCES WILL BE CONSIDERED.

1. CLEAN AND TELEVISION THE EXISTING 60 INCH COMBINED SEWER FROM THE EXISTING SIPHON INLET CHAMBER ON THE WEST SIDE OF I-90/94 TO THE MANHOLE LOCATED AT THE INTERSECTION OF VAN BUREN STREET AND DES PLAINES STREET. REFER TO SPECIAL PROVISION COMBINED SEWERS TO BE CLEANED, SPECIAL AND TELEVISION INSPECTION OF SEWER, SPECIAL FOR DETAILS.
2. EXCAVATE AND EXPOSE THE EXISTING 60 INCH RCP SIPHON PIPE AT BOTH LIMITS OF THE PROPOSED SIPHON RECONSTRUCTION.
3. INSTALL TEMPORARY 24 INCH HDPE BYPASS LINE AND TAP INTO THE SIDE OF THE EXISTING SIPHON PIPE NEAR THE STATION SHOWN ON THE PLANS OF THE PROPOSED CONCRETE COLLAR AT THE LIMITS OF THE SIPHON RECONSTRUCTION. THE CONTRACTOR SHALL ENSURE A WATERTIGHT SEAL WHERE THE TEMPORARY 24 INCH HDPE PIPE MEETS THE EXISTING 60 INCH RCP.
4. INSTALL TEMPORARY PLUG AT BOTH LIMITS OF THE PROPOSED SIPHON RECONSTRUCTION TO DIVERT SEWER FLOWS TO THE TEMPORARY 24 INCH HDPE PIPE.
5. CLEAN AND DEWATER THE EXISTING SIPHON OUTLET CHAMBER AND 60 INCH RCP SIPHON PIPE AND COMBINED SEWER THAT IS TO BE REMOVED.
6. REMOVE THE EXISTING SIPHON OUTLET CHAMBER AND 60 INCH RCP SIPHON PIPE AND COMBINED SEWER AS SHOWN ON THE PLANS.
7. INSTALL THE PROPOSED SIPHON FROM THE WEST 60 INCH DIP, 45 DEGREE BEND TO THE CDWM TYPE "A" MANHOLE AS SHOWN ON THE PLANS.
8. INSTALL TEMPORARY PLUG AT THE WEST SIDE OF THE EXISTING SIPHON INLET CHAMBER ALONG THE WEST SIDE OF I-90/94 TO BLOCK SEWER FLOWS. THE CONTRACTOR MUST NOTIFY CDWM AT LEAST TWO WEEKS PRIOR TO INSTALLING THE TEMPORARY PLUG.
9. CLEAN AND DEWATER THE TEMPORARY 24 INCH HDPE PIPE.
10. REMOVE THE TEMPORARY 24 INCH HDPE PIPE AND TEMPORARY PLUGS INSTALLED AT BOTH LIMITS OF THE PROPOSED SIPHON RECONSTRUCTION.
11. INSTALL THE 60 INCH DIP FROM THE WEST 45 DEGREE BEND TO THE WEST LIMIT OF THE PROPOSED SIPHON RECONSTRUCTION.
12. INSTALL 60 INCH RCP FROM THE CDWM TYPE "A" MANHOLE TO THE EAST LIMIT OF THE PROPOSED SIPHON RECONSTRUCTION.
13. CONSTRUCT CONCRETE COLLAR AROUND BOTH LIMITS OF THE PROPOSED SIPHON RECONSTRUCTION.
14. REMOVE TEMPORARY PLUG AT THE WEST SIDE OF THE EXISTING SIPHON INLET CHAMBER ALONG THE WEST SIDE OF I-90/94.
15. SEWER FLOW ESTABLISHED IN THE 60 INCH SIPHON PIPE.
16. TELEVISION THE EXISTING 60 INCH COMBINED SEWER FROM THE EXISTING SIPHON INLET CHAMBER ON THE WEST SIDE OF I-90/94 TO THE MANHOLE LOCATED AT THE INTERSECTION OF VAN BUREN STREET AND DES PLAINES STREET. REFER TO SPECIAL PROVISION TELEVISION INSPECTION OF SEWER, SPECIAL FOR DETAILS.



**PIPE JOINT COLLAR DETAIL**



**CDWM TYPE "A" MANHOLE PLAN**

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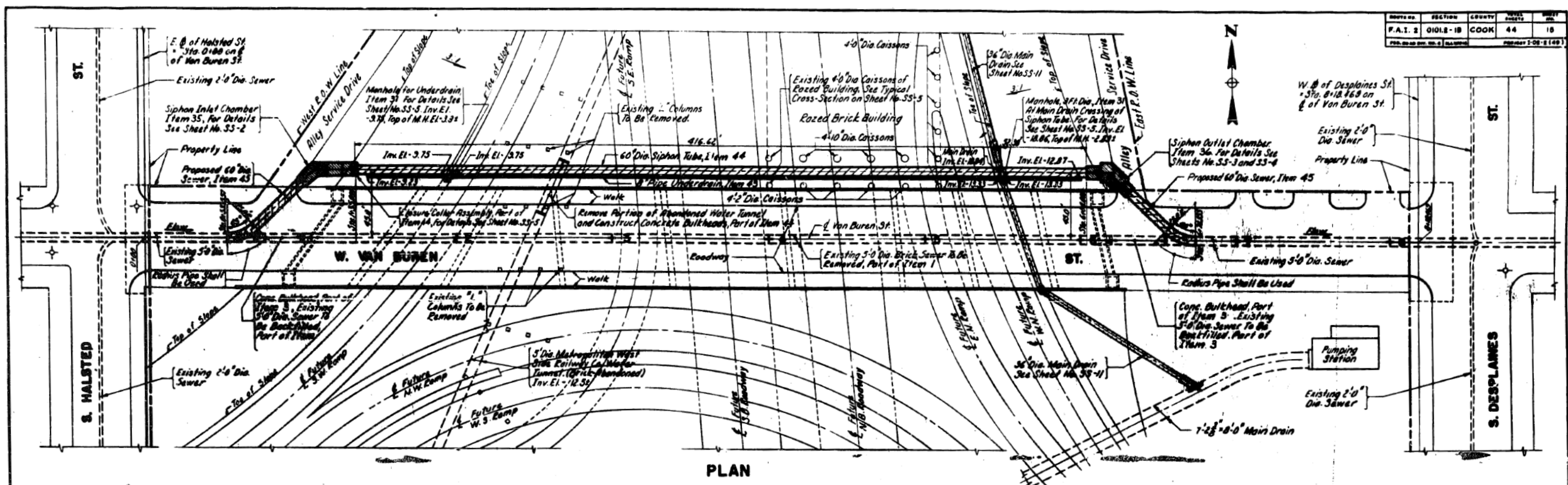
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PLOT DATE = 12/15/2016	DATE - 12/14/16	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

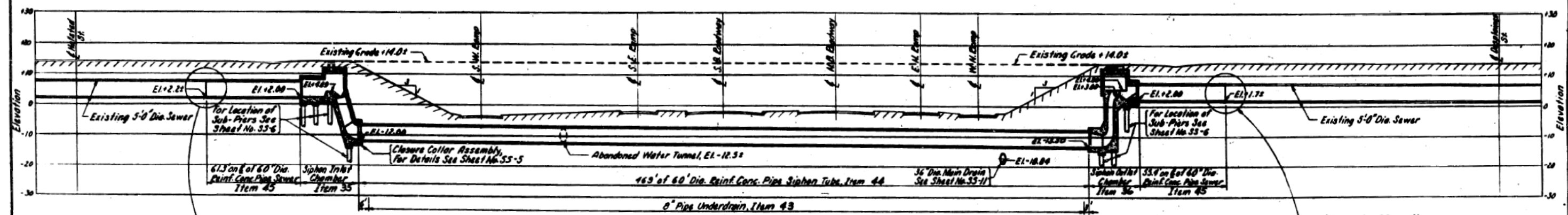
**SIPHON DETAILS  
VAN BUREN STREET**

SCALE: N.T.S. SHEET 3 OF 3 SHEETS STA. TO STA.

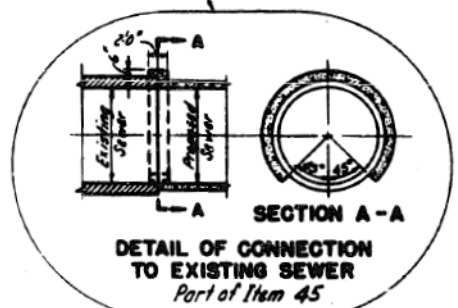
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90/94/290	2014-017B	COOK	442	142
CONTRACT NO. 60X99			ILLINOIS FED. AID PROJECT	



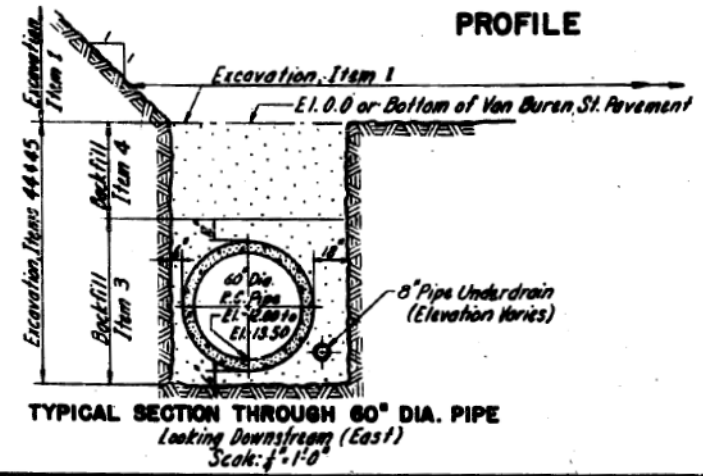
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PROFILE

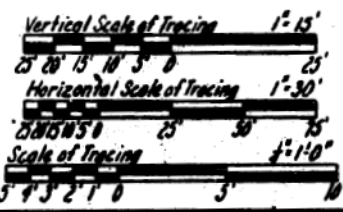


SECTION A-A  
DETAIL OF CONNECTION TO EXISTING SEWER  
Part of Item 45



TYPICAL SECTION THROUGH 60\"/>

**NOTES:**  
 For Existing Utilities and Topography See Sheet No. G-4.  
 For Excavation Cross-Sections, See Sheets Identified By the Prefix Letter "G".  
 For Details of Manholes, See Sheet No. SS-5.  
 General Notes for Sewer Siphon  
 All Elevations Are Measured From Chicago City Datum.  
 For Location of Sub-Piers, Keyways, and Reinforcement Steel Details See Sewer Structure Sheets.



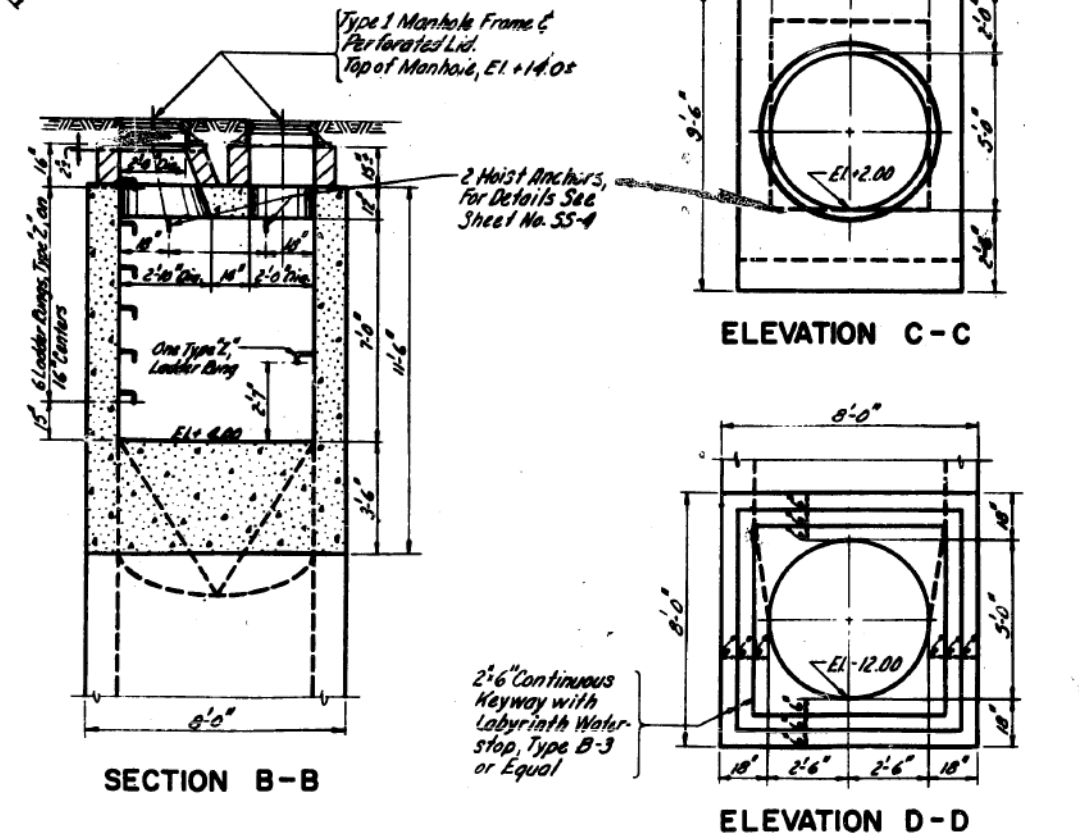
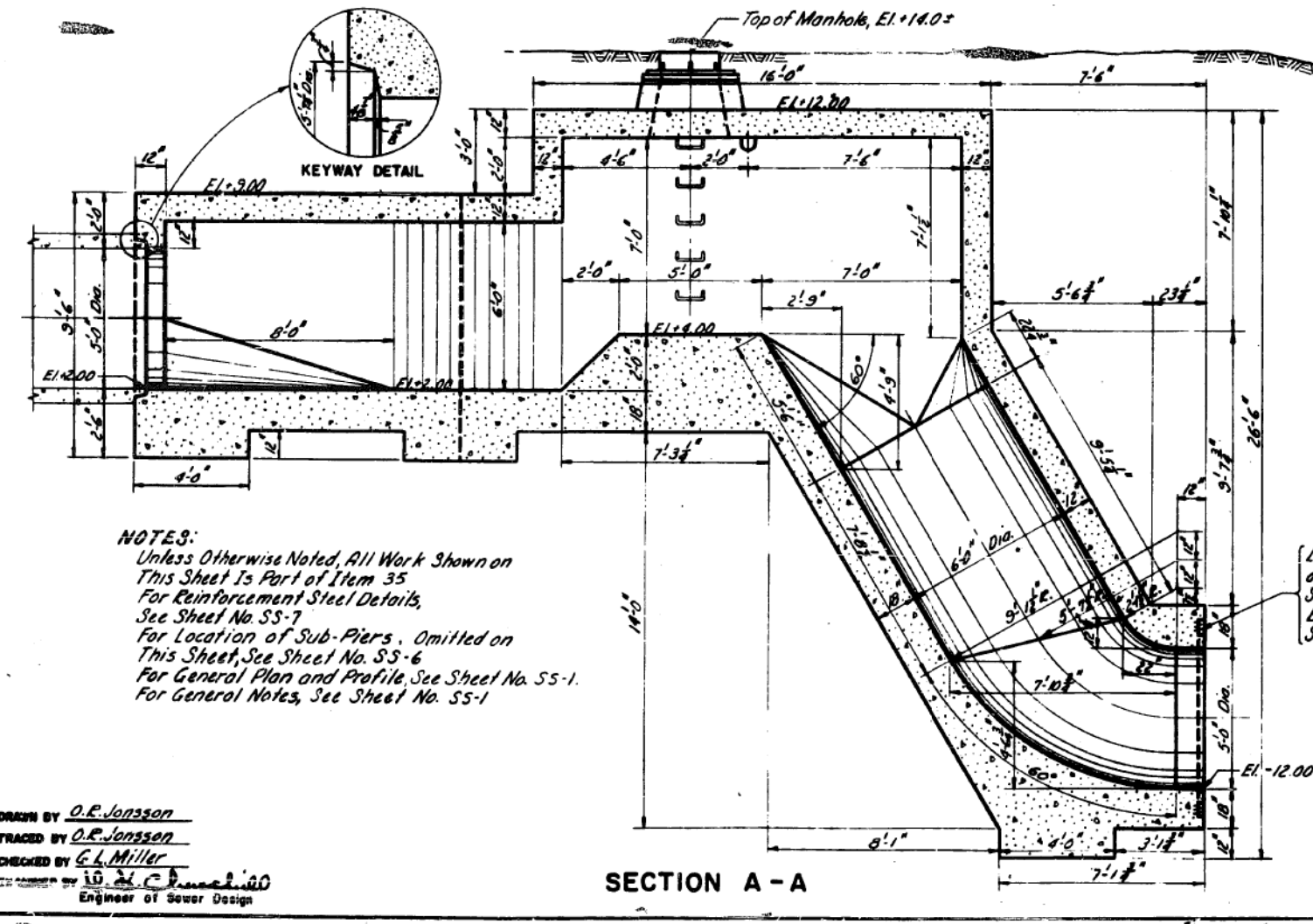
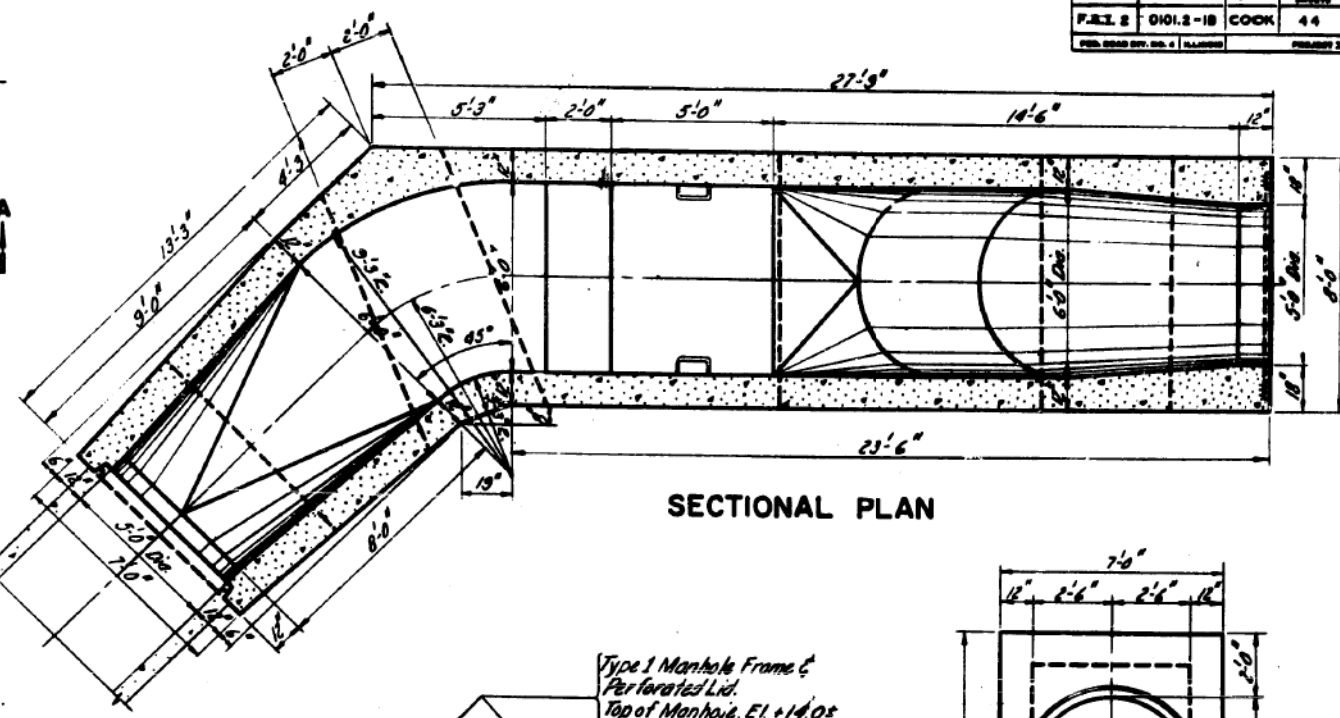
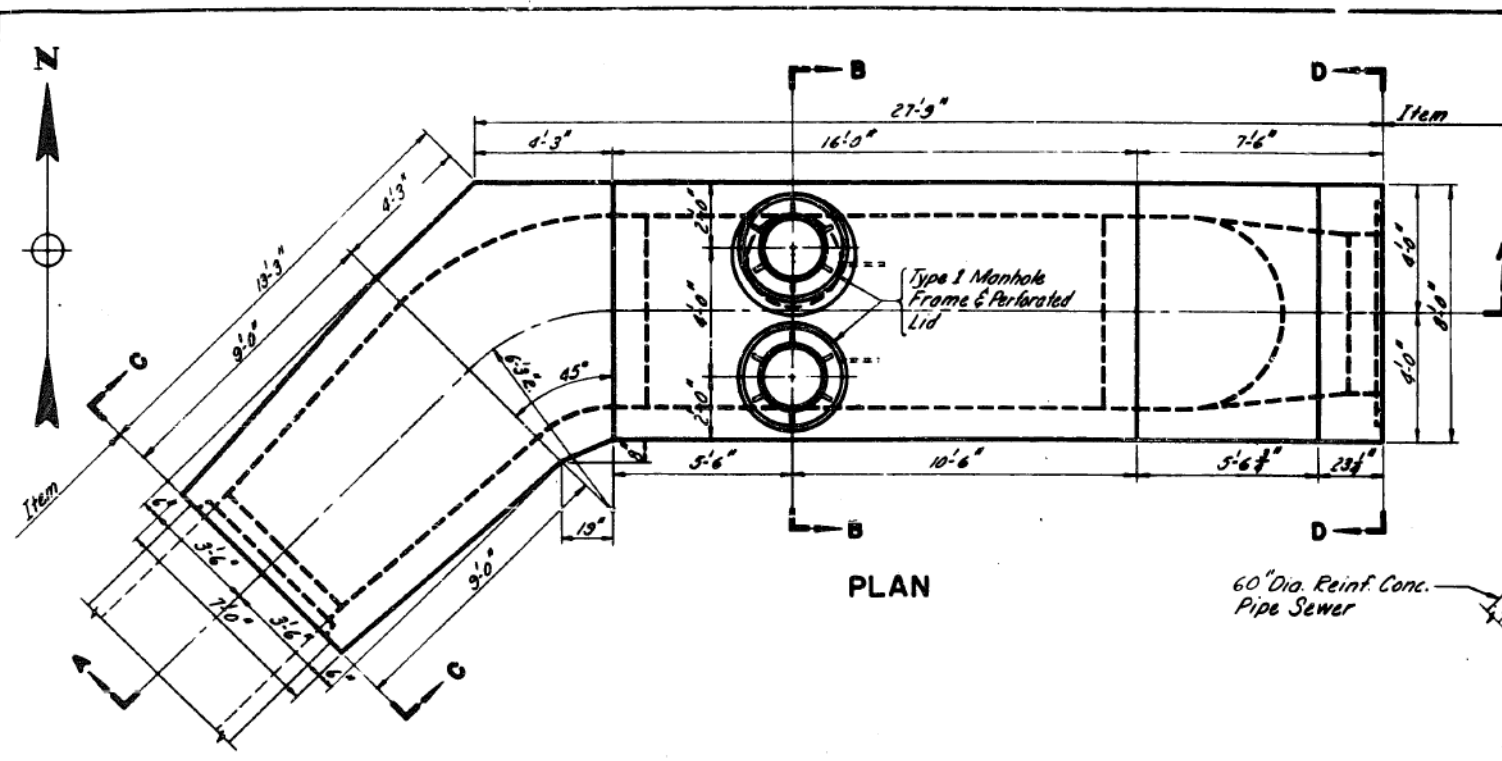
REVISIONS	
DATE	DESCRIPTION

CITY OF CHICAGO  
 DEPARTMENT OF PUBLIC WORKS  
 BUREAU OF ENGINEERING  
 SEWER PLANNING DIVISION  
**NORTHWEST ROUTE SUPERHIGHWAY  
 VAN BUREN ST BRIDGE - SECTION 0101.2-1B**  
**SEWER SIPHON  
 GENERAL PLAN & PROFILE**  
 SCALE: AS SHOWN  
 DATE: APRIL 1957  
 SHEET NO. 98-1 OF 44 SHEETS

DRAWN BY O.P. Jonsson  
 TRACED BY O.P. Jonsson  
 CHECKED BY E.L. Miller  
 EXAMINED BY J.M. Chasler  
 Engineer of Sewer Design



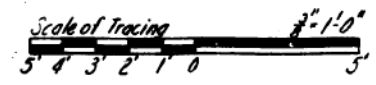
DATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 2	0101.2-1B	COOK	44	16
FEB. 2002 BY: S. J. MILLER				



**NOTES:**  
 Unless Otherwise Noted, All Work Shown on This Sheet is Part of Item 35  
 For Reinforcement Steel Details, See Sheet No. SS-7  
 For Location of Sub-Piers, Omitted on This Sheet, See Sheet No. SS-6  
 For General Plan and Profile, See Sheet No. SS-1  
 For General Notes, See Sheet No. SS-1

Labyrinth Waterstop, Type B-3 as Manufactured by Water Seal Inc. Chicago, Illinois or Equal. For Details See Sheet No. SS-5.

DRAWN BY O.R. Jansson  
 TRACED BY O.R. Jansson  
 CHECKED BY E.L. Miller  
 ENGINEER BY E.L. Miller  
 Engineer of Sewer Design



REVISIONS	
DATE	DESCRIPTION

CITY OF CHICAGO  
 DEPARTMENT OF PUBLIC WORKS  
 BUREAU OF ENGINEERING  
 SEWER PLANNING DIVISION  
 NORTHWEST ROUTE SUPERHIGHWAY  
 VAN BUREN ST. BRIDGE-SECTION 0101.2-1B  
**SIPHON INLET CHAMBER  
 PLANS & SECTIONS**  
 SCALE: As Shown  
 DATE: APRIL 1957  
 SHEET NO. SS-2 OF 44 SHEETS

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 PLOT DATE = 12/15/2016

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 CHECKED - JMG  
 DATE - 12/14/16

REVISED -  
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 REVISED -

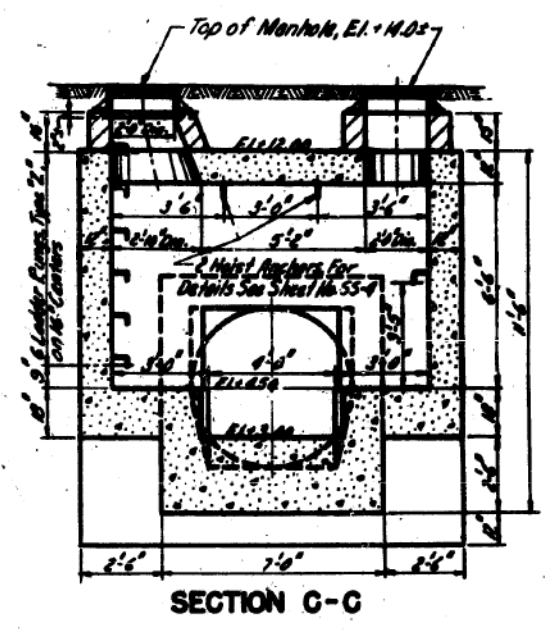
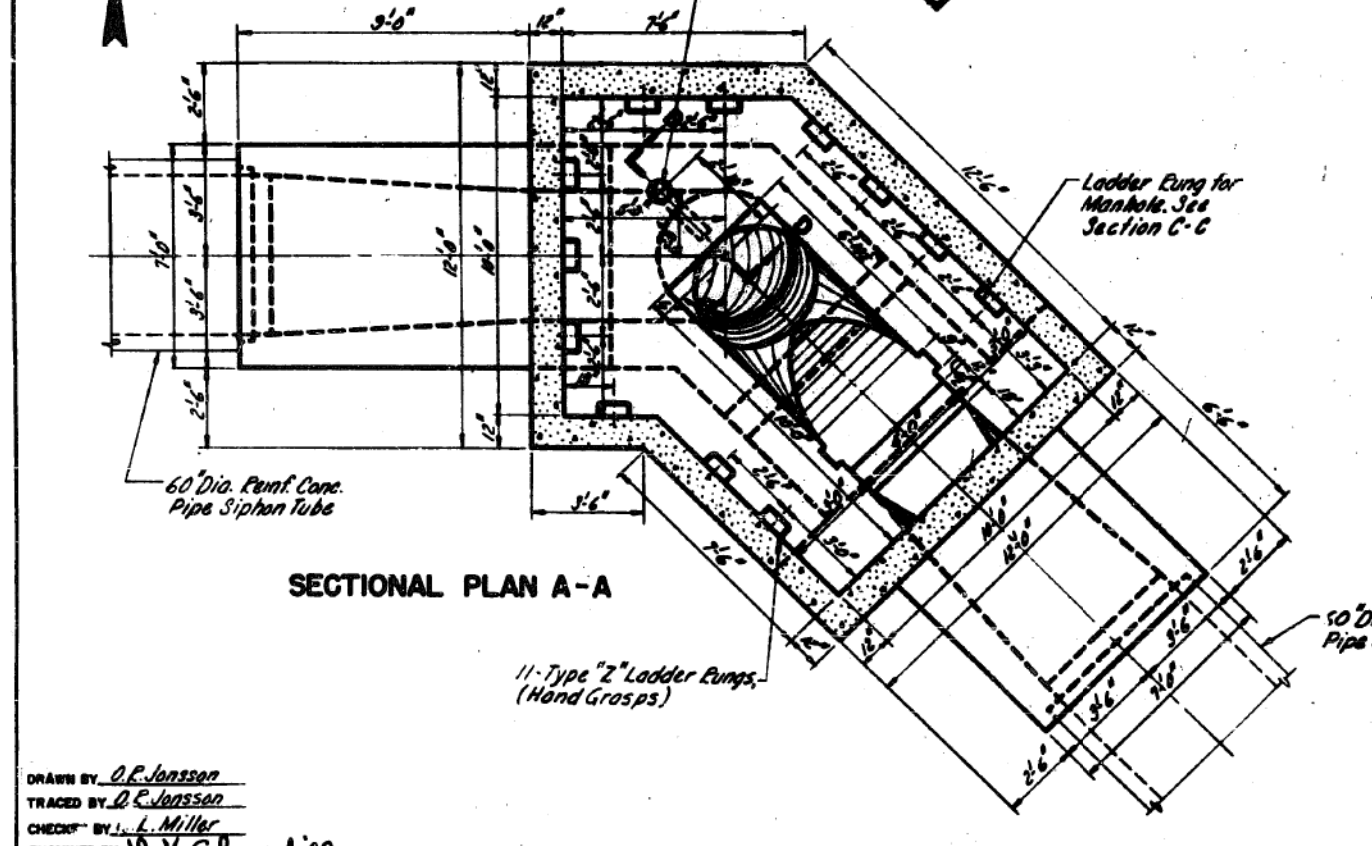
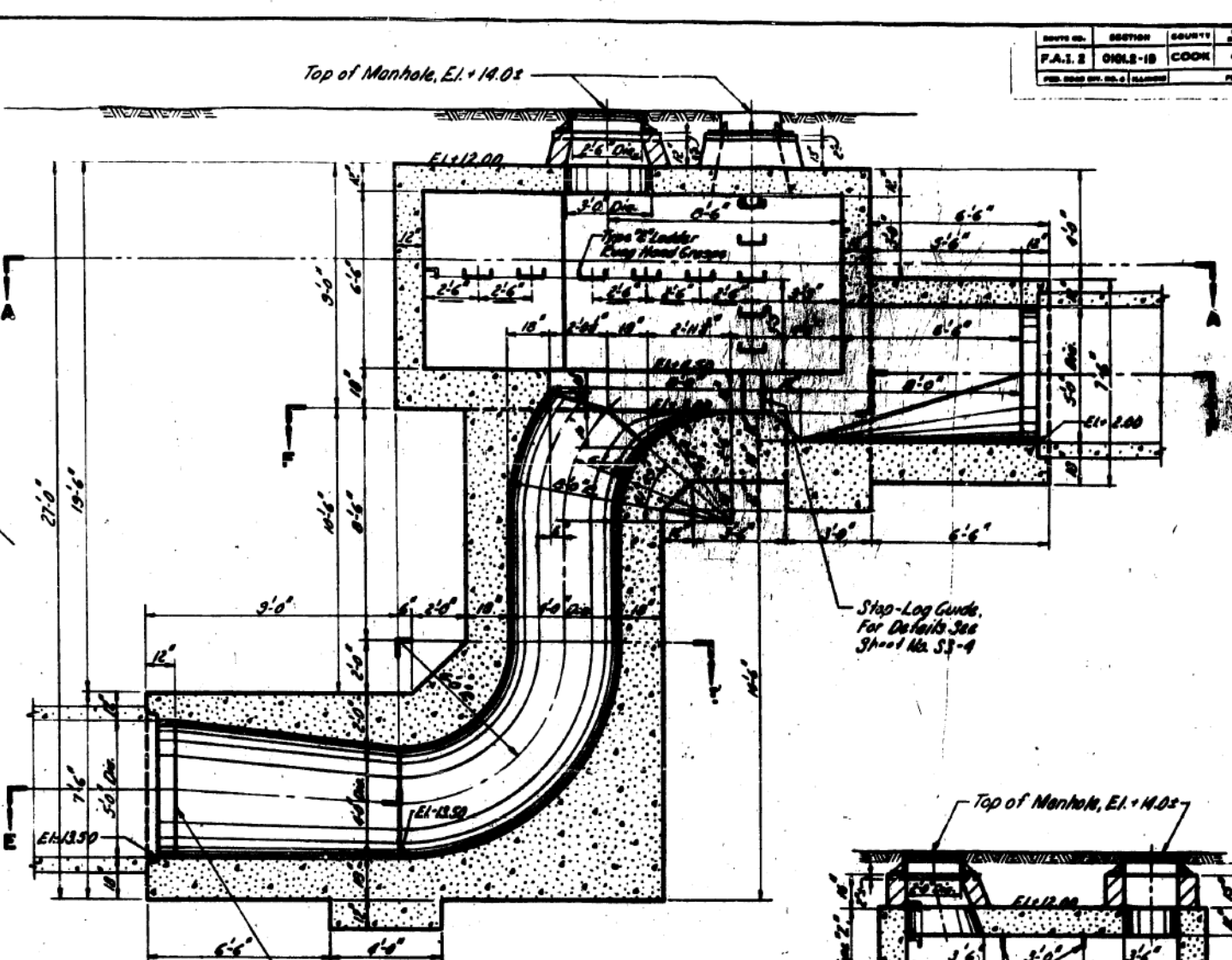
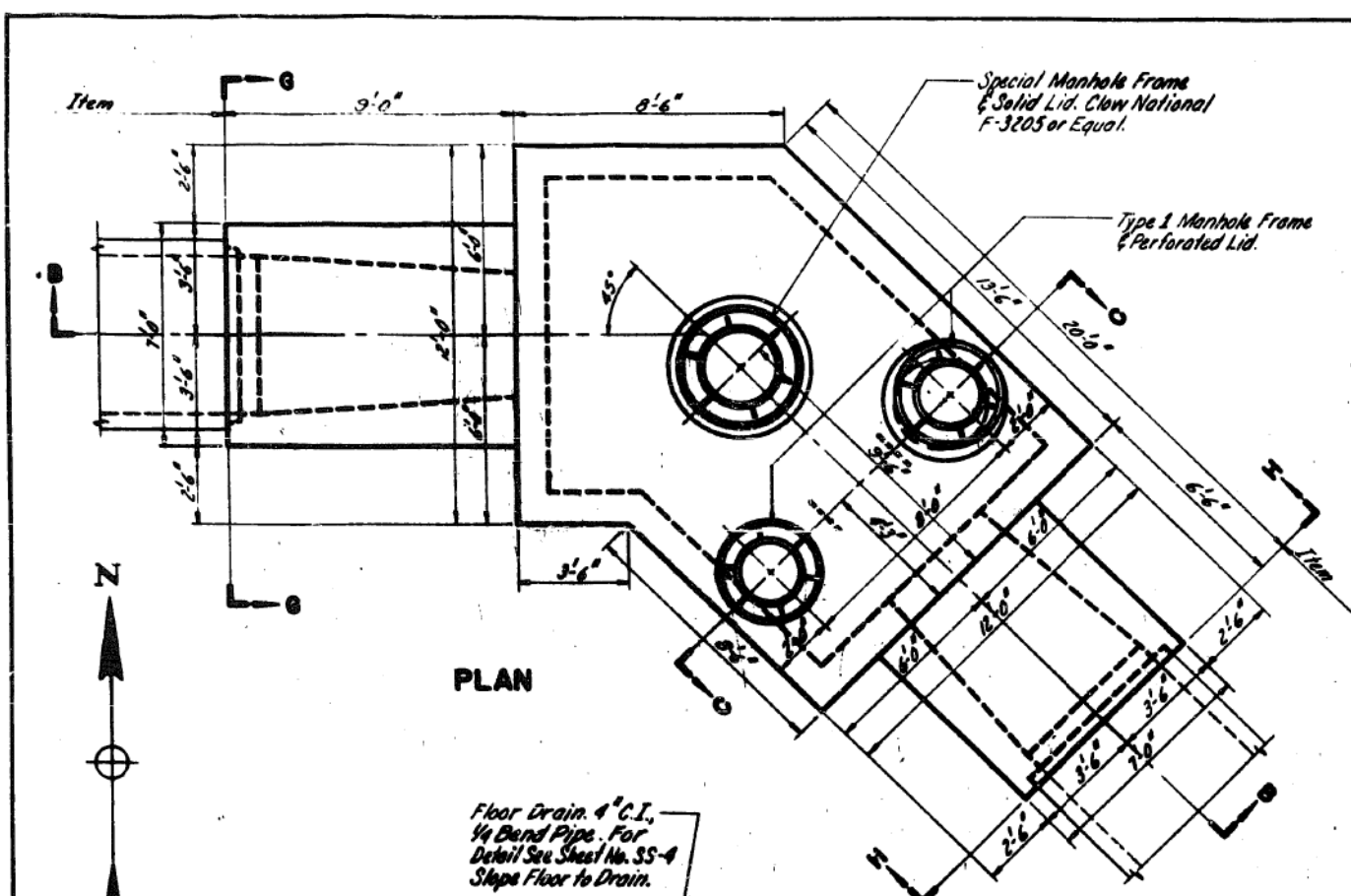
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

AS BUILT SIPHON PLANS  
 VAN BUREN STREET

SCALE: NONE SHEET 2 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	44	144
CONTRACT NO. 60X99				
ILLINOIS FED. AID PROJECT				

DATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 2	0102-1B	COOK	44	17
FOR ROAD DIST. NO. 2 (ILLINOIS) PROJECT 60X99				



**NOTES:**  
 For Additional Sections and Details See Sheet No. SS-4.  
 Unless Otherwise Noted, All Work Shown on Sheets SS-3 and SS-4 is Part of Item 36.  
 For Reinforcement Steel Details See Sheet No. SS-8.  
 For Location of Sub-Piers, Omitted on This Sheet, See Sheet No. SS-6.  
 For General Plan and Profile, See Sheet No. SS-1.  
 For General Notes, See Sheet No. SS-1.



REVISIONS	
DATE	DESCRIPTION

DRAWN BY O.E. Jansson  
 TRACED BY O.E. Jansson  
 CHECKED BY L. Miller  
 EXAMINED BY D.H. Chenevill  
 Engineer of Sewer Design

CITY OF CHICAGO  
 DEPARTMENT OF PUBLIC WORKS  
 BUREAU OF ENGINEERING  
 SEWER PLANNING DIVISION  
 NORTHWEST ROUTE SUPERHIGHWAY  
 VAN BUREN ST. BRIDGE - SECTION 0102-1B  
**SIPHON OUTLET CHAMBER  
 PLANS & SECTIONS**  
 SCALE: AS SHOWN  
 DATE: APRIL 1997  
 SHEET NO. 33-3 OF 44 SHEETS

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 PLOT DATE = 12/15/2016

DESIGNED -	REVISOR -
DRAWN - BAW	REVISIONS -
CHECKED - JMG	REVISIONS -
DATE - 12/14/16	REVISIONS -

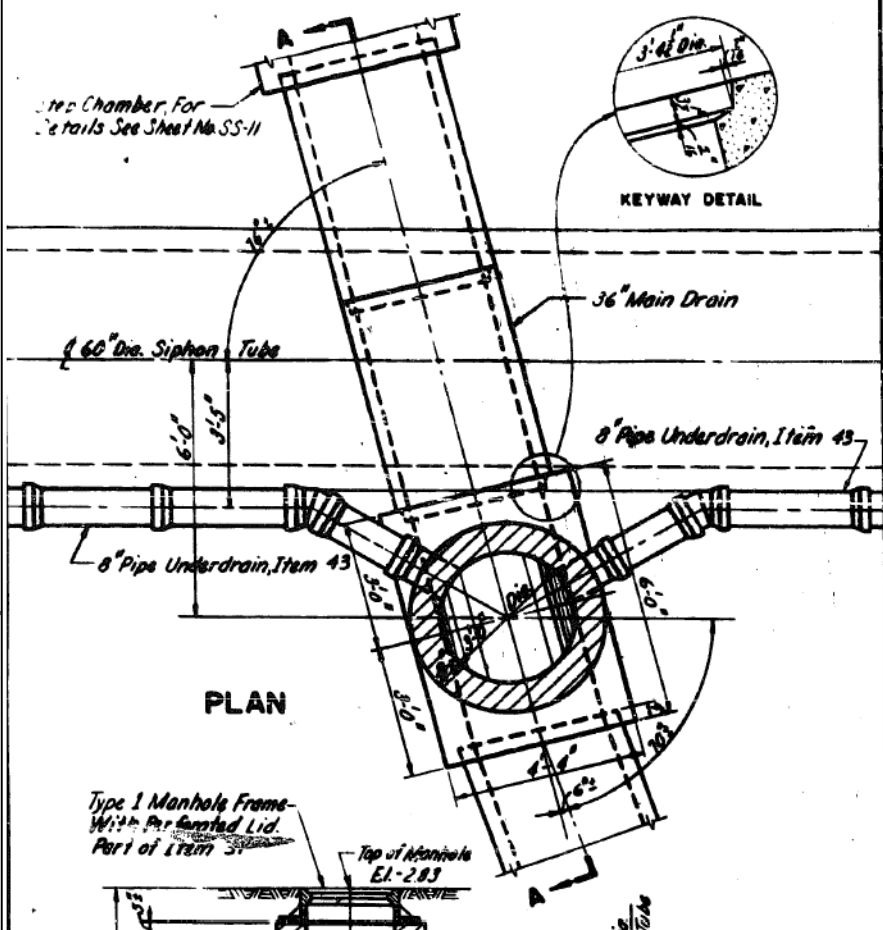
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

AS BUILT SIPHON PLANS  
 VAN BUREN STREET  
 SCALE: NONE SHEET 3 OF 12 SHEETS STA. TO STA.

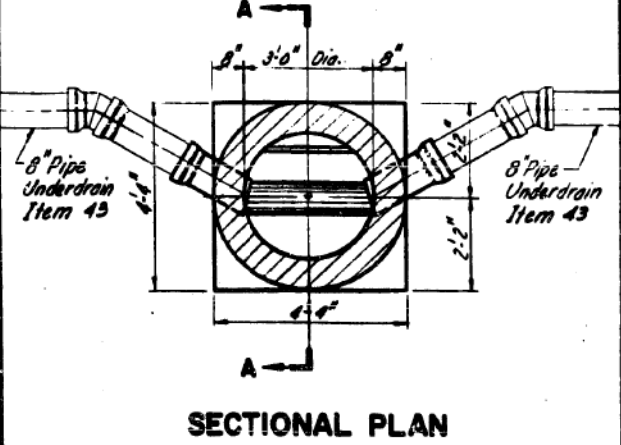
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CONTRACT NO. 60X99				
ILLINOIS FED. AID PROJECT				



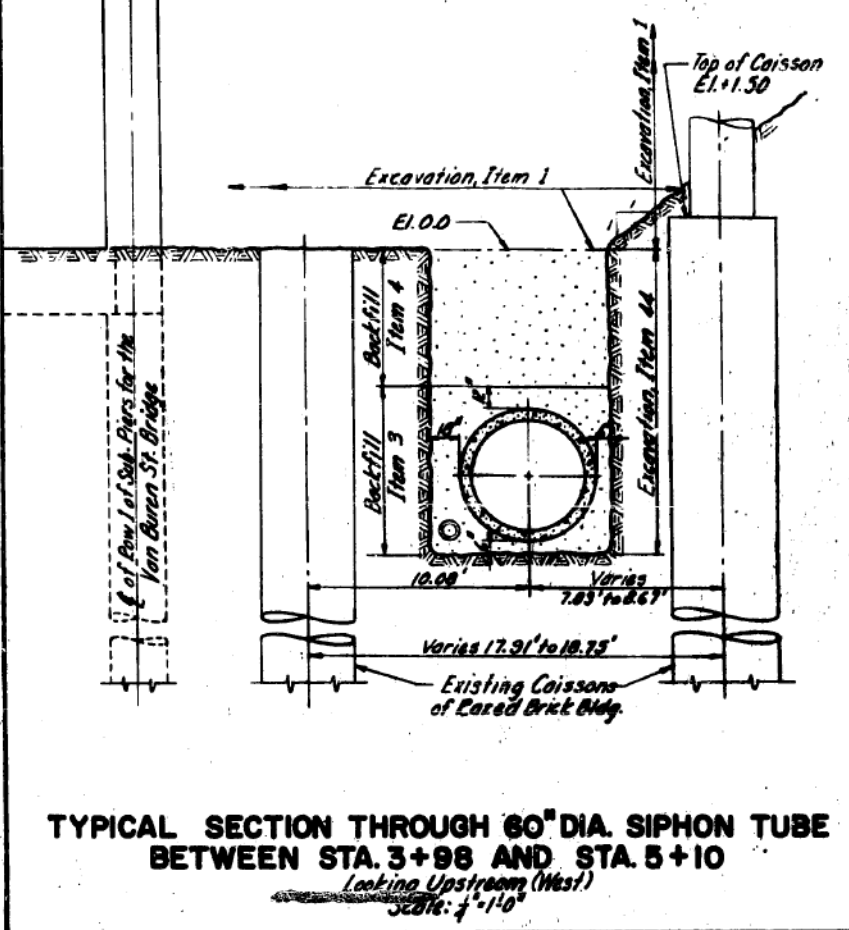
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FED. ROAD DIST. NO. 8 ILLINOIS			PROJECT [01-01-1991]	



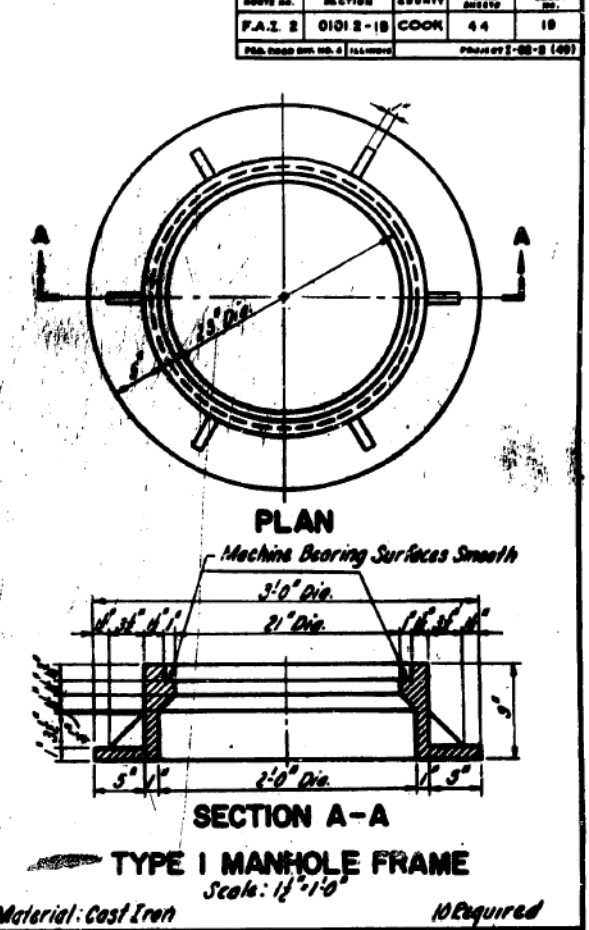
PLAN



SECTIONAL PLAN



TYPICAL SECTION THROUGH 60" DIA. SIPHON TUBE BETWEEN STA. 3+98 AND STA. 5+10 Looking Upstream (West) Scale: 1/2"=1'-0"

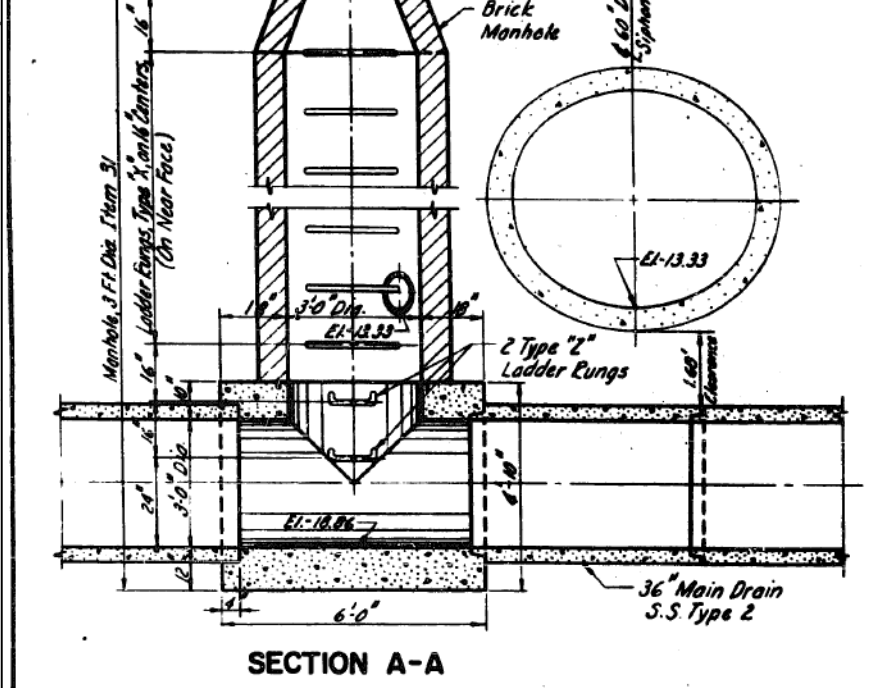


PLAN

SECTION A-A

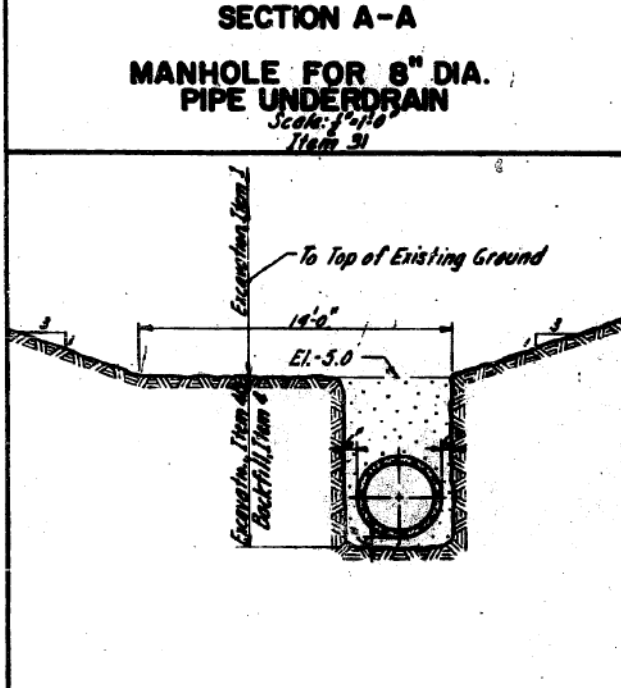
TYPE I MANHOLE FRAME Scale: 1/2"=1'-0"

Material: Cast Iron 10 Required



SECTION A-A

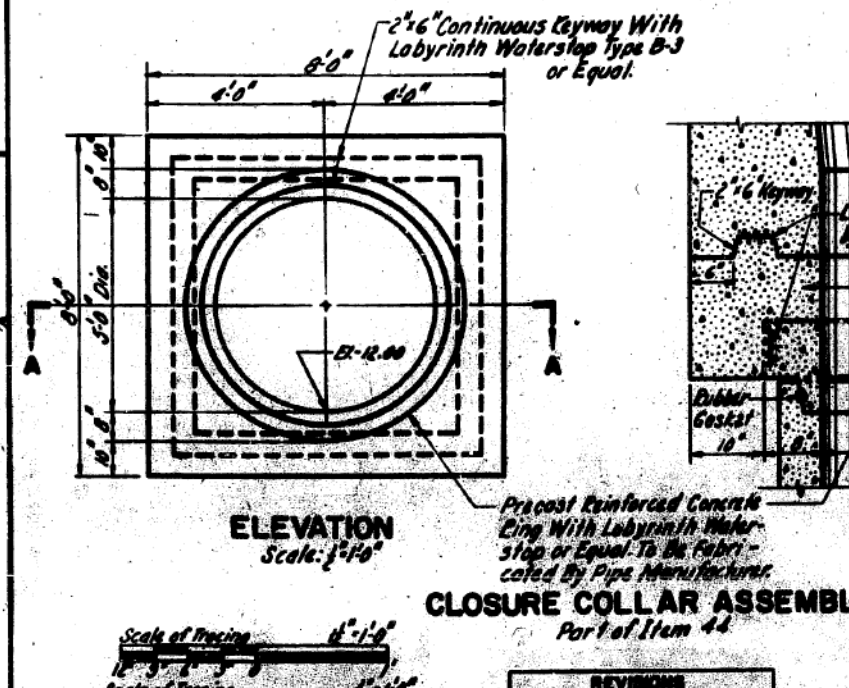
DETAIL AT MAIN DRAIN CROSSING OF SIPHON TUBE Scale: 1/2"=1'-0"



SECTION A-A

MANHOLE FOR 8" DIA. PIPE UNDERDRAIN Scale: 1/2"=1'-0"

TYPICAL SECTION THROUGH 36" DIA. SEWER Looking Upstream (North) Scale: 1/2"=1'-0"

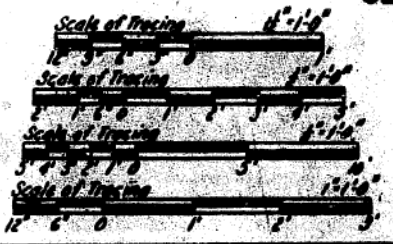


ELEVATION Scale: 1/2"=1'-0"

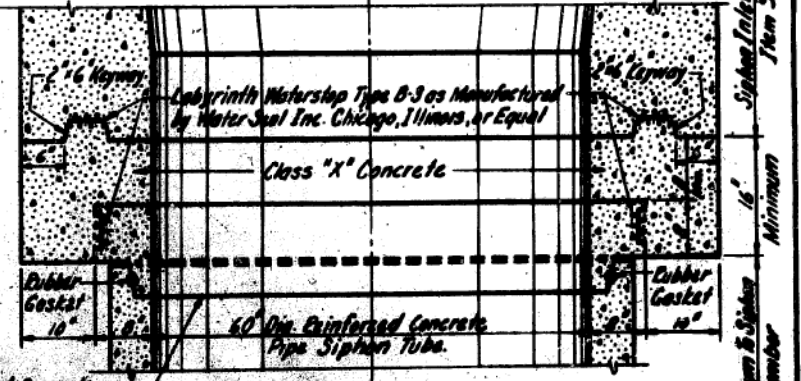
SECTIONAL PLAN A-A Scale: 1"=1'-0"

CLOSURE COLLAR ASSEMBLY Part of Item 44

DRAWN BY C.R. Jonsson  
 TRACED BY D.R. Jonsson  
 CHECKED BY G.L. Miller  
 EXAMINED BY D.H. Churchill  
 Engineer of Sewer Design



REVISIONS	
DATE	DESCRIPTION



SECTIONAL PLAN A-A Scale: 1"=1'-0"

CITY OF CHICAGO  
 DEPARTMENT OF PUBLIC WORKS  
 BUREAU OF ENGINEERING  
 SEWER PLANNING DIVISION  
 NORTHWEST ROUTE SUPERHIGHWAY  
 VAN BUREN ST BRIDGE - SECTION 01012-1B  
**SEWER SIPHON MISCELLANEOUS DETAILS**

SCALE: AS SHOWN DATE: APRIL 1997 SHEET NO. 88-B OF 44 SHEETS



D:\617479-P\INT\pacom\line\local\REC\CDM\_D592\_MW\Documents\01\_Americas\Transpor\station\60269938\_Circle\Phase\_11\000\_CAD\006\_Roadway\Sheets\60x99\_Contract\01020999-sht-Ex-Siphon-05.dgn

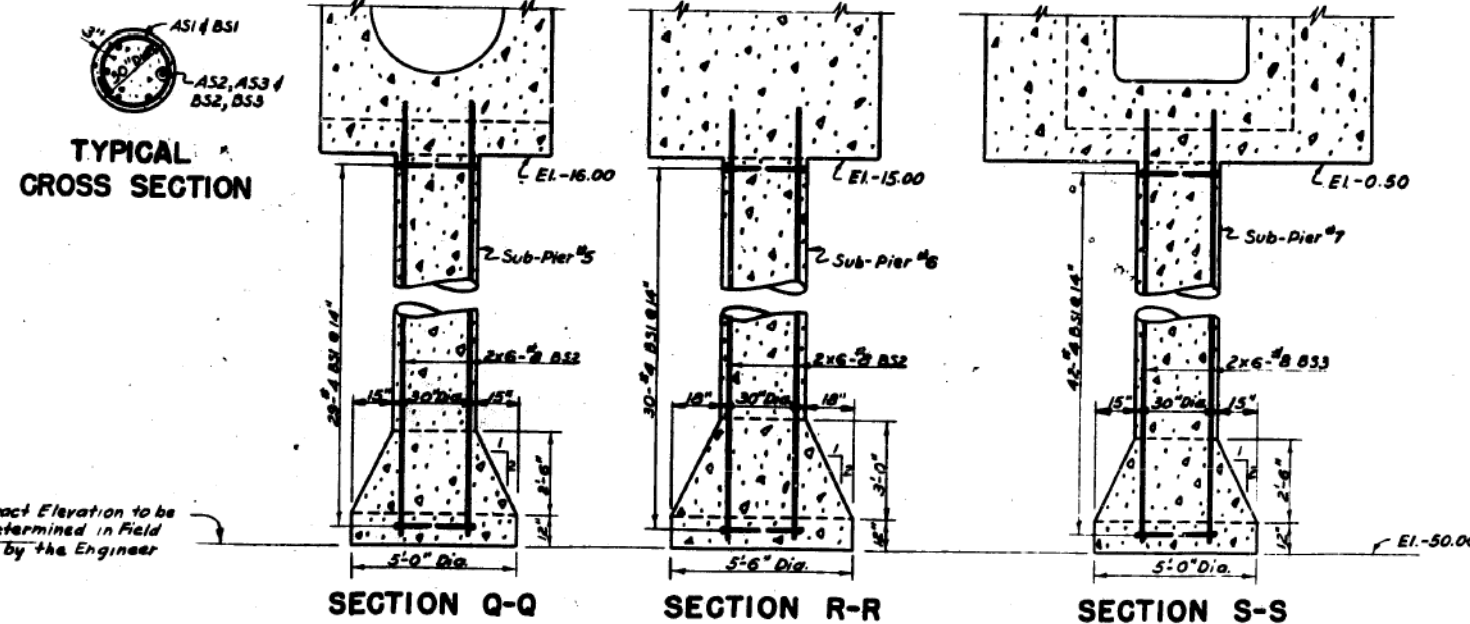
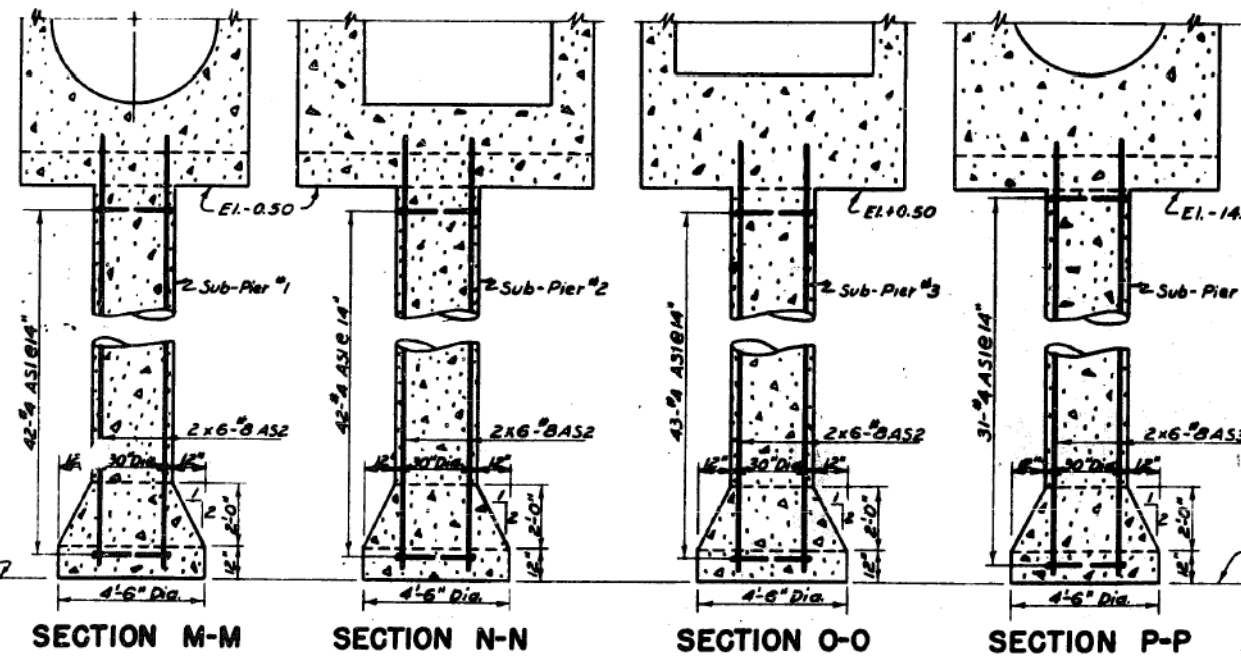
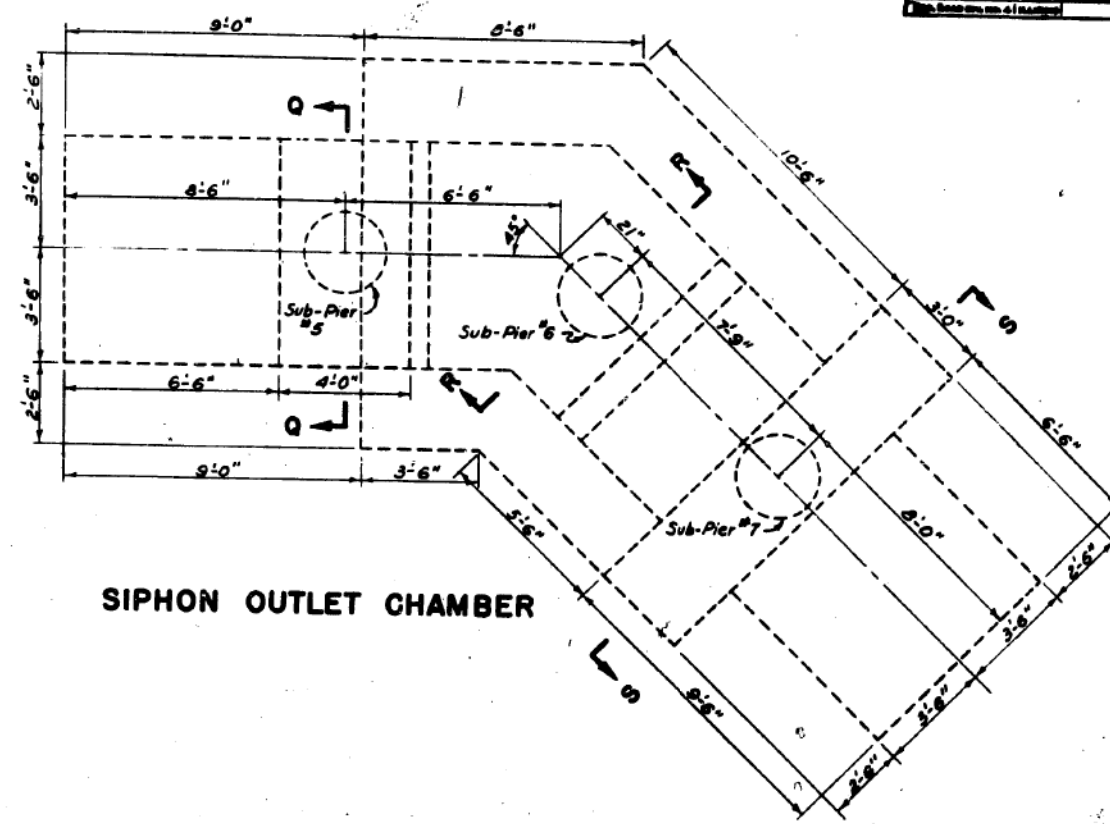
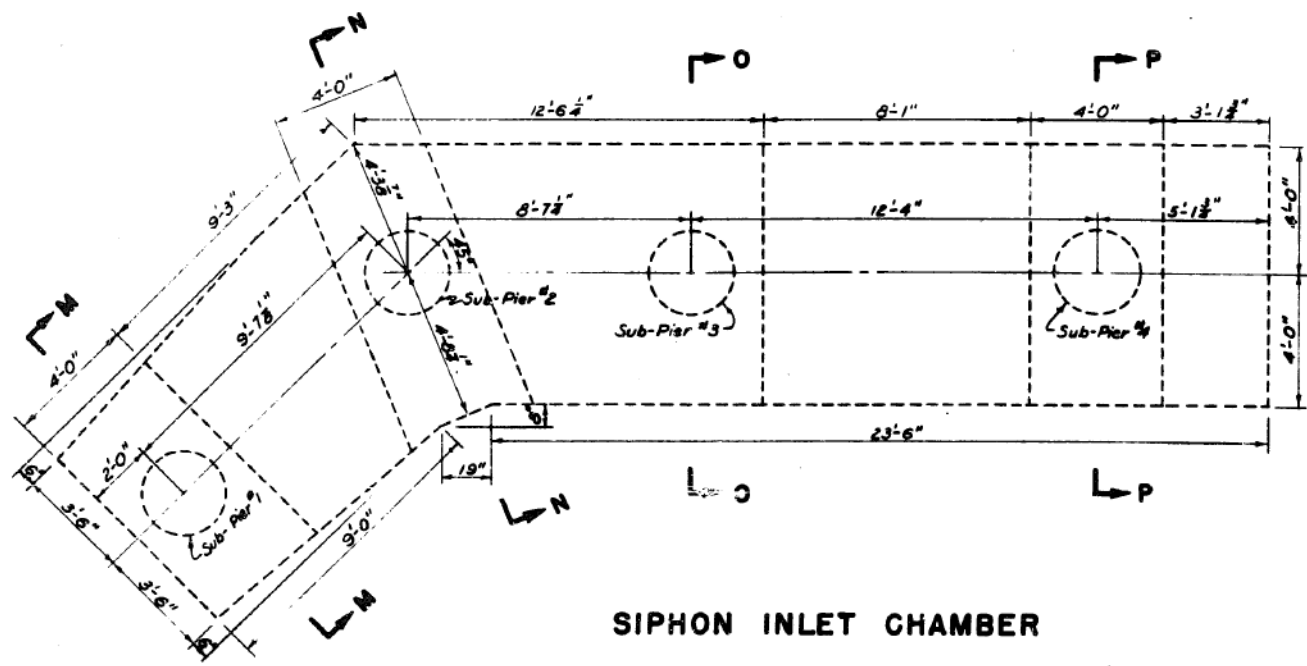
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DRAWN - BAW	REVISED -
CHECKED - JMG	REVISED -
DATE - 12/14/16	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

AS BUILT SIPHON PLANS  
 VAN BUREN STREET

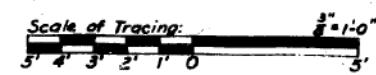
SCALE: NONE SHEET 5 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	44	147
CONTRACT NO. 60X99				
ILLINOIS FED. AID PROJECT				



**General Notes:**  
 All Monolithic Concrete Work in this Contract is to be Carried Out in Accordance with the Rules Outlined Below:  
 1. All Abbreviations are in Accordance with A.C.I. Standards:  
 2. Concrete Protection for Reinforcement Shall be:  
 At Interior Surfaces \_\_\_\_\_ 2 1/2"  
 At Exterior Surfaces \_\_\_\_\_ { Roof and Walls 2"  
 Bottom Face of Floor 3"  
 3. All Laps in Continuous Reinforcement Shall be Not Less than 24 Diameters.  
 4. Construction Joints May Not be Changed Without the Approval of the Engineer.

**Note:**  
 For Additional Details of the Siphon See Sheets No 557 to 5510  
 For Bar List See Sheet No. 5510



REVISIONS	
DATE	DESCRIPTION

CITY OF CHICAGO  
 DEPARTMENT OF PUBLIC WORKS  
 BUREAU OF ENGINEERING  
 SEWER PLANNING DIVISION  
**NORTHWEST ROUTE SUPERHIGHWAY  
 VAN BUREN ST. BRIDGE - SECTION 01012-1B  
 INLET CHAMBER & OUTLET CHAMBER  
 SUB-PIER PLAN**  
 SCALE: AS SHOWN  
 DATE: APRIL 1957 SHEET NO. 55-6 OF 44 SHEETS

DRAWN BY: B. CORRADO  
 TRACED BY: H. DND  
 CHECKED BY: G. RATHLING  
 EXAMINED BY: S. RATHLING  
 Engineer of Sewer Structures

D:\61799-P\INT\pawson\line\local\0604\0502_MW\Documents\01\Americas\Transportation\60269938_Circle\Phase_1\1000_CAD\006_Roadway\Sheets\60x99_Contract\01012-1B-Sub-Pier-06.dgn	DESIGNED -	REVISED -
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PLOT SCALE = 100.0000 / 1 in.	CHECKED - JMG	REVISED -
PLOT DATE = 12/15/2016	DATE - 12/14/16	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

AS BUILT SIPHON PLANS  
 VAN BUREN STREET

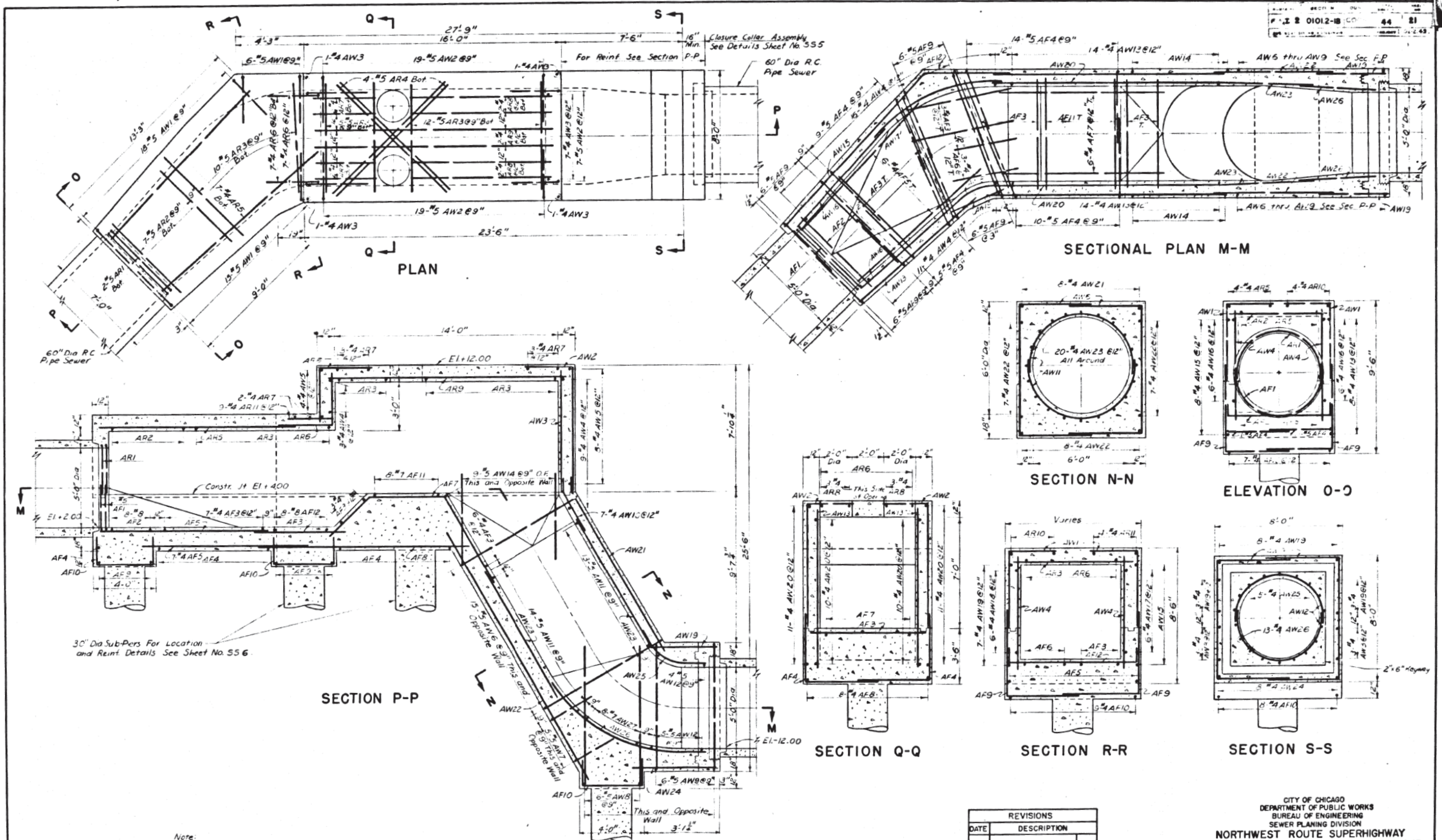
SCALE: NONE SHEET 6 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	44	148
CONTRACT NO. 60X99				
ILLINOIS FED. AID PROJECT				

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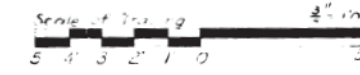






Note:  
 For Additional Details of the Structure See Sheet No. 552  
 For General Notes See Sheet No. 556  
 For Bar List See Sheet No. 5510

DRAWN BY P. Corrado  
 TRACED BY H. Cio  
 CHECKED BY G. Rathling  
 EXAMINED BY S. Rucklins  
 Engineer of Sewer Structures



REVISIONS	
DATE	DESCRIPTION

CITY OF CHICAGO  
 DEPARTMENT OF PUBLIC WORKS  
 BUREAU OF ENGINEERING  
 SEWER PLANNING DIVISION  
**NORTHWEST ROUTE SUPERHIGHWAY  
 VAN BUREN ST. BRIDGE - SECTION 01012-IB  
 SIPHON INLET CHAMBER  
 REINFORCEMENT**  
 SCALE: AS SHOWN  
 DATE: SHEET NO. 55-7 OF 44 SHEETS

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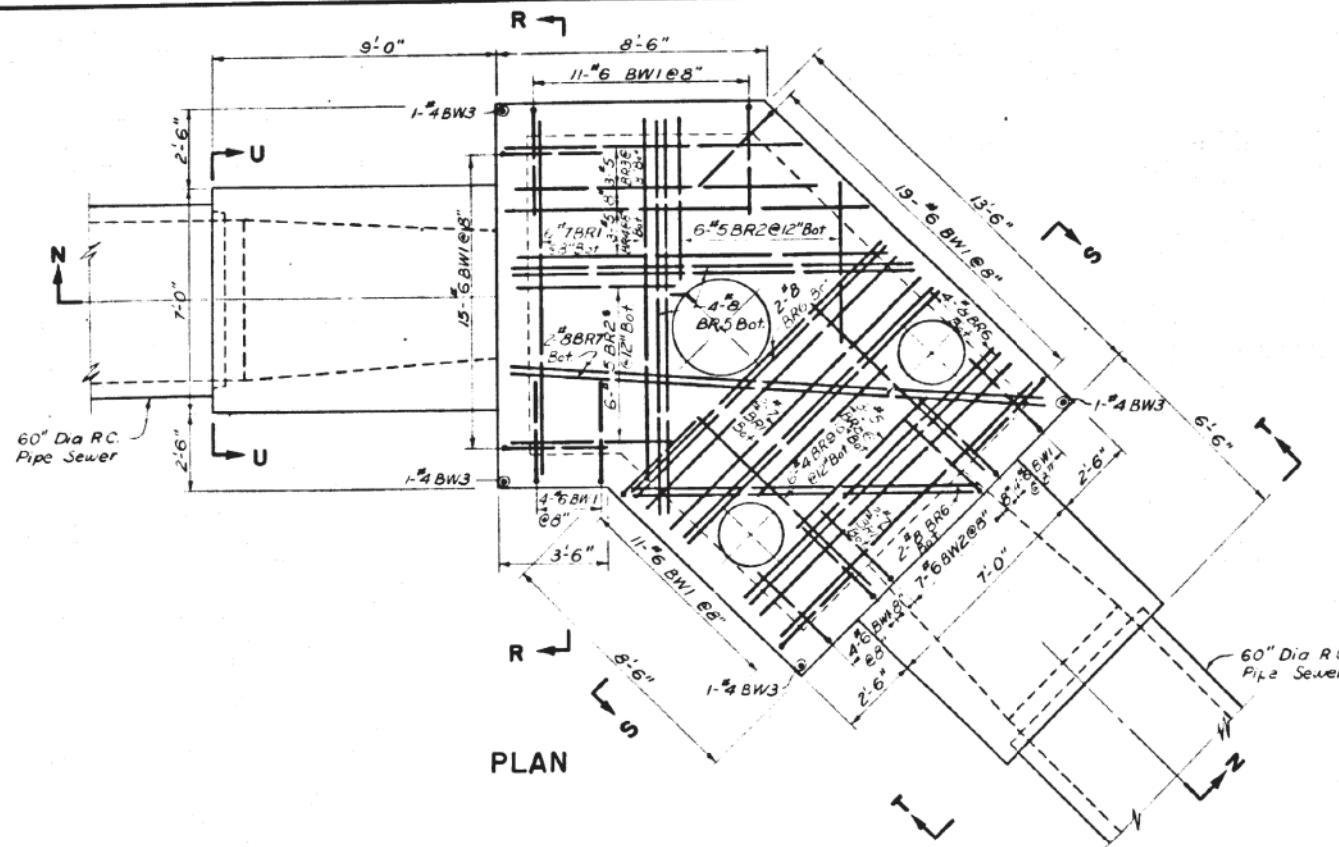
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PLOT DATE = 12/15/2016	DATE - 12/14/16	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

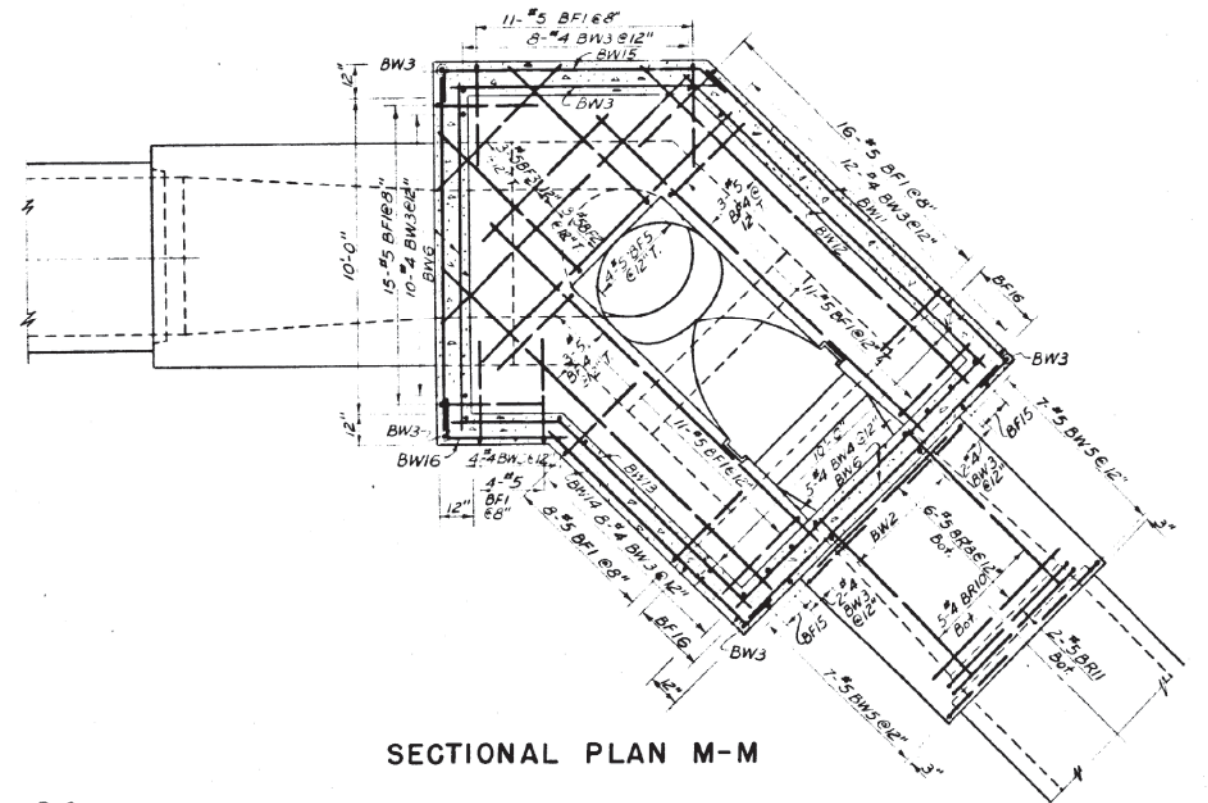
AS BUILT SIPHON PLANS  
 VAN BUREN STREET

SCALE: NONE SHEET 7 OF 12 SHEETS STA. TO STA.

F.A.I. RTE. 90/94/290	SECTION 2014-017B	COUNTY COOK	TOTAL SHEETS 44	SHEET NO. 149
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X99	



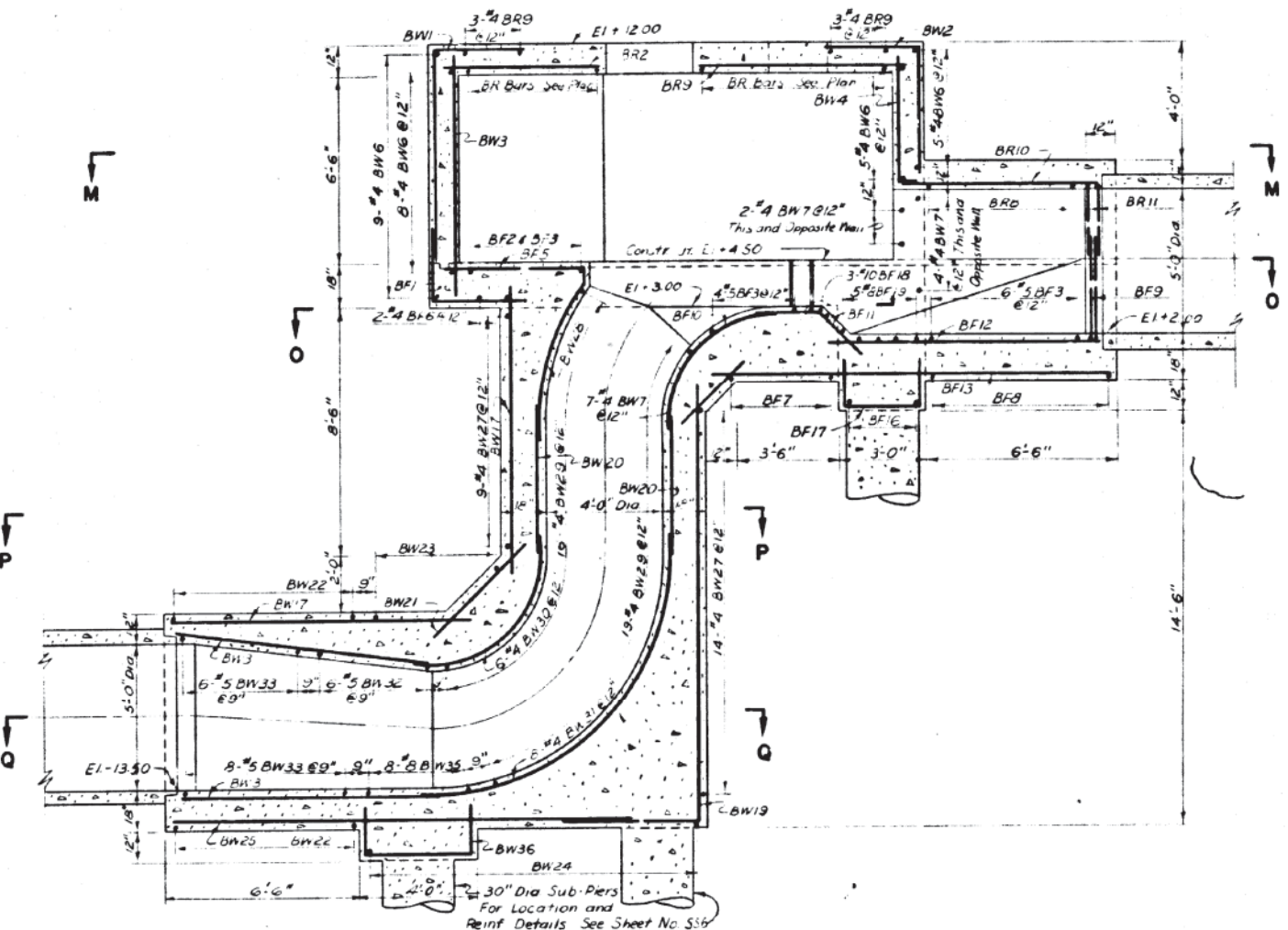
PLAN



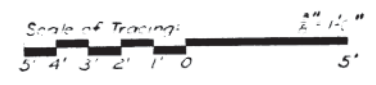
SECTIONAL PLAN M-M

DRAWN BY P. Corrado  
 TRACED BY H. Orr  
 CHECKED BY S. Rathling  
 EXAMINED BY S. Rathling  
 Engineer of Sewer Structures

Note:  
 For Additional Details of the Structure See Sheets No. 553 & 554  
 For General Notes See Sheet No. 556  
 For Sections O-O Thru U-U See Sheet No. 559  
 For Bar List See Sheet No. 5510



SECTION N-N



REVISIONS	
DATE	DESCRIPTION

CITY OF CHICAGO  
 DEPARTMENT OF PUBLIC WORKS  
 BUREAU OF ENGINEERING  
 SEWER PLANNING DIVISION  
 NORTHWEST ROUTE SUPERHIGHWAY  
 VAN BUREN ST BRIDGE - SECTION 01012-1B  
 SIPHON OUTLET CHAMBER  
 REINFORCEMENT  
 SCALE: AS SHOWN  
 DATE: SHEET NO 55-8 OF 44 SHEETS

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D160X99-sht-Ex-Siphon-08.dgn  
 USER NAME = mkwilson  
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 PLOT DATE = 12/15/2016

DESIGNED -  
 DRAWN - BAW  
 CHECKED - jmg  
 DATE - 12/14/16

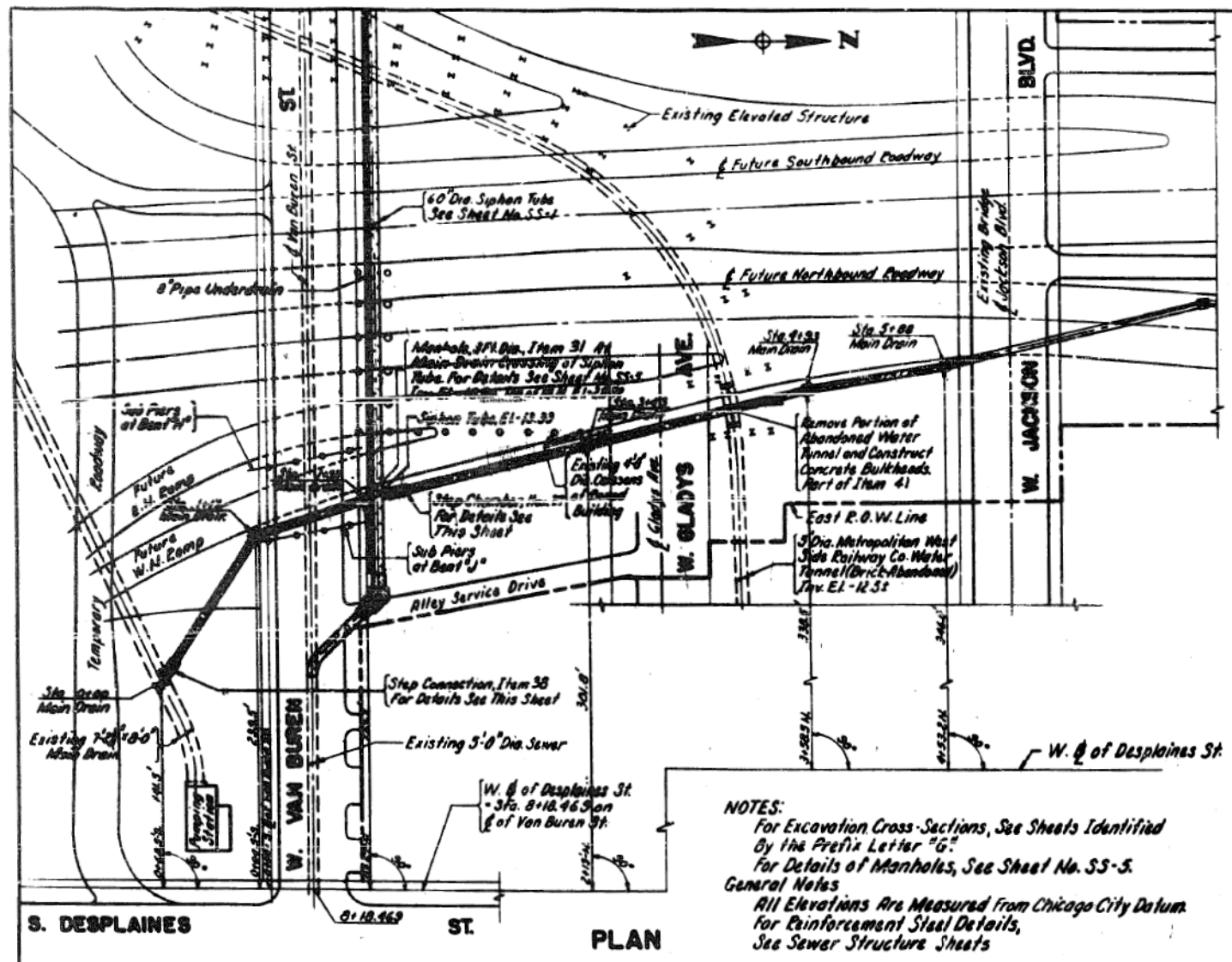
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

AS BUILT SIPHON PLANS  
 VAN BUREN STREET  
 SCALE: NONE SHEET 8 OF 12 SHEETS STA. TO STA.

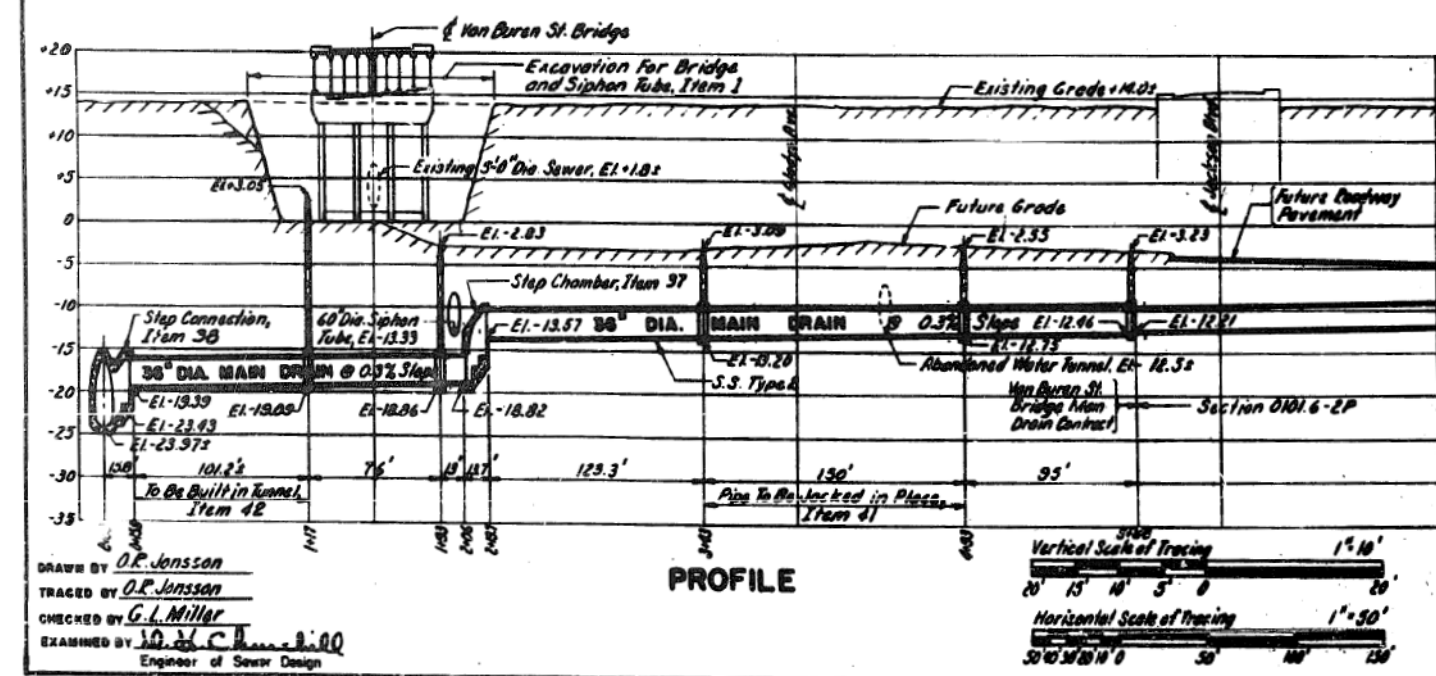
F.A.I. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	150
CONTRACT NO. 60X99				
ILLINOIS FED. AID PROJECT				



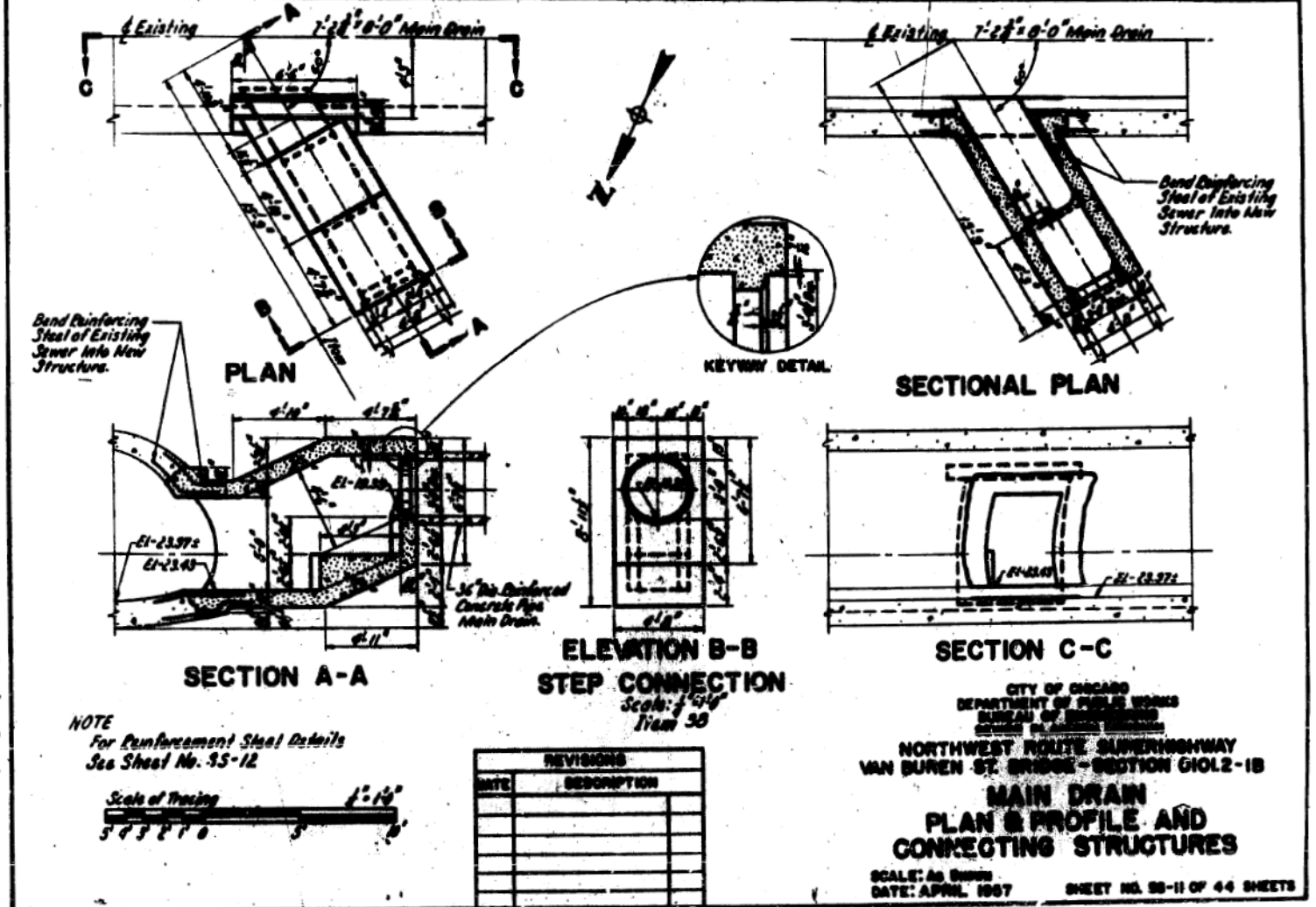
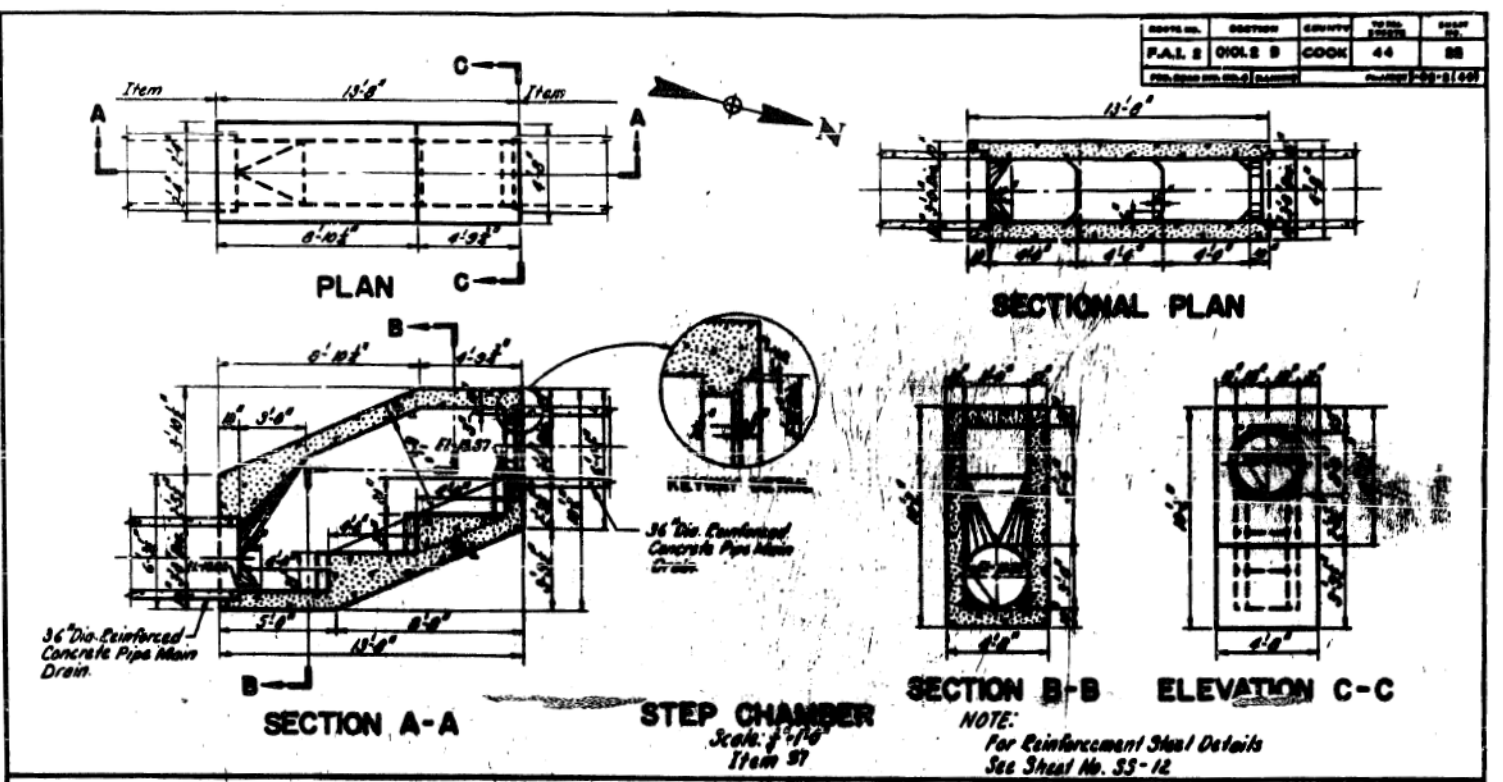




**NOTES:**  
 For Excavation Cross Sections, See Sheets Identified by the Prefix Letter "G"  
 For Details of Manholes, See Sheet No. SS-5.  
 General Notes  
 All Elevations Are Measured From Chicago City Datum  
 For Reinforcement Steel Details, See Sewer Structure Sheets



DRAWN BY O.R. Jonsson  
 TRACED BY O.R. Jonsson  
 CHECKED BY G.L. Miller  
 EXAMINED BY J.D. Chubb  
 Engineer of Sewer Design



REVISIONS	
DATE	DESCRIPTION

CITY OF CHICAGO  
 DEPARTMENT OF PUBLIC WORKS  
 BUREAU OF ENGINEERING  
 NORTHWEST ROUTE SUPERHIGHWAY  
 VAN BUREN ST. BRIDGE - SECTION GIOL2-1B  
**MAIN DRAIN  
 PLAN & PROFILE AND  
 CONNECTING STRUCTURES**  
 SCALE: AS SHOWN  
 DATE: APRIL 1967  
 SHEET NO. 88-11 OF 44 SHEETS

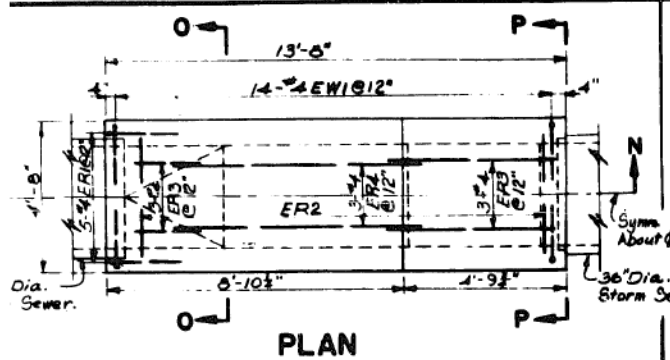


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PLOT DATE = 12/15/2016	DATE - 12/14/16	REVISED -

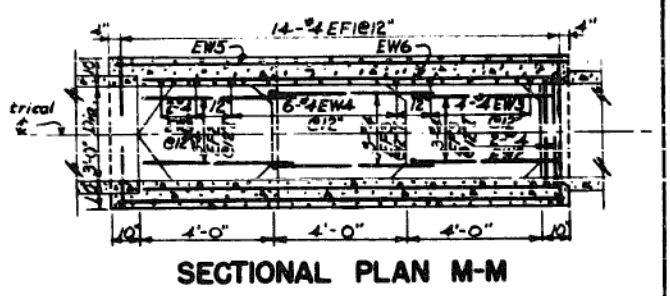
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

AS BUILT SIPHON PLANS  
 VAN BUREN STREET  
 SCALE: NONE SHEET 11 OF 12 SHEETS STA. TO STA.

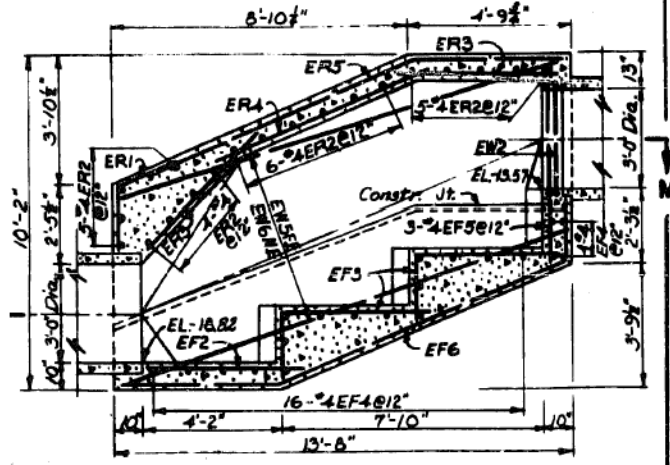
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CONTRACT NO. 60X99			ILLINOIS FED. AID PROJECT	



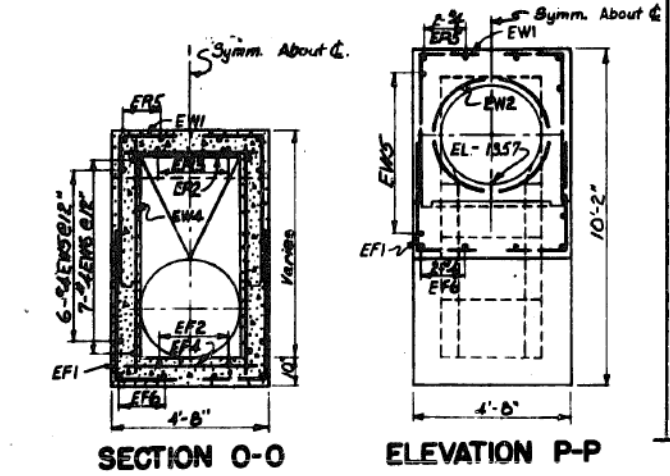
PLAN



SECTIONAL PLAN M-M



SECTION N-N

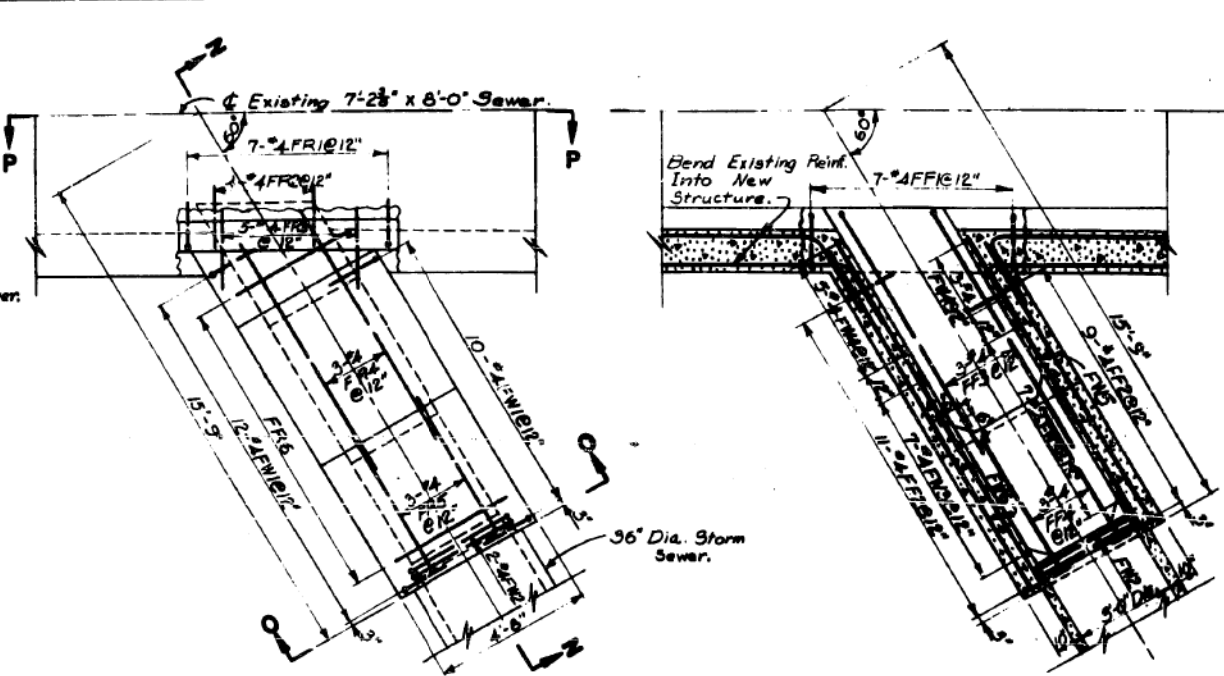


SECTION O-O

ELEVATION P-P

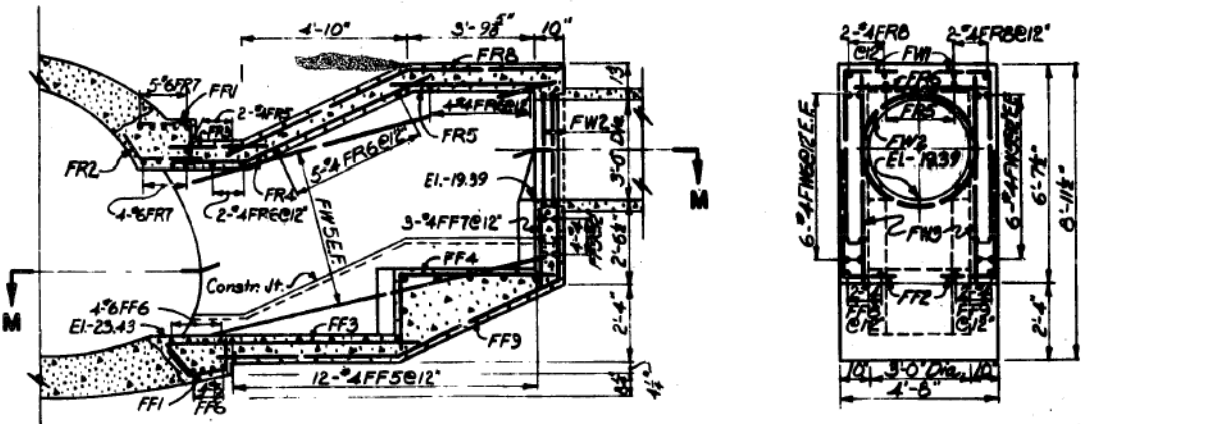
STEP CHAMBER

BY G.W.M. & P.C.  
 ED BY G.W. MILLER  
 CKD BY G. RAYLIND  
 INED BY J. RATHLING  
 Engineer of Sewer Structures



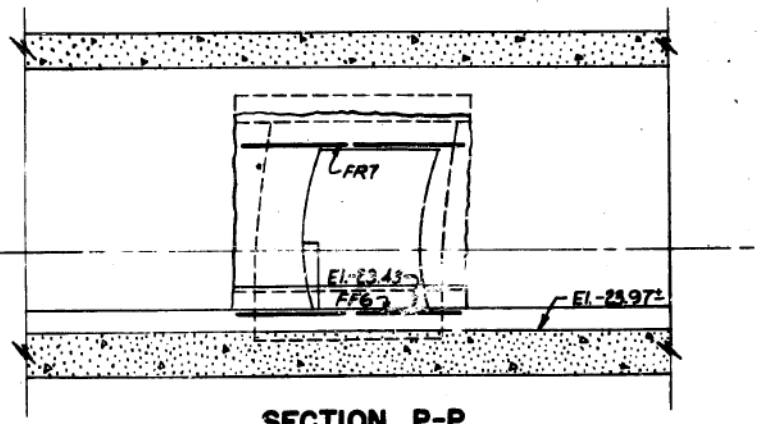
PLAN

SECTIONAL PLAN M-M



SECTION N-N

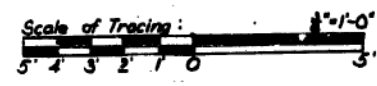
ELEVATION O-O



SECTION P-P

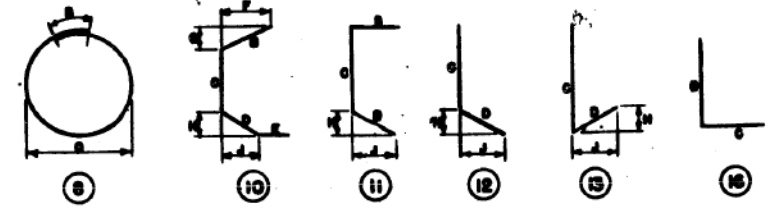
STEP CONNECTION

Notes:  
 For Additional Details of the Structures See Sheet No. 5511.  
 For General Notes See Sheet No. 556.  
 For Bar List See This Sheet.



SCHEDULE OF REINFORCEMENT-ITEM 7

STRUCTURE	REINFORCEMENT BAR							BENDING DIMENSIONS												
	MARK	NO.	TYPE	LENGTH	WGT'S	NO. REQD	WEIGHT - LBS. EACH TOTAL	A	B	C	D	E	F	G	H	J	K	O	R	
Step Chamber	ER1	4	R	4'-0"	12'	5	2.67 13												92"	22"
	ER2	4	9m	4'-0"	12'	20	2.67 53													
	ER3	4	9m	2'-9"	12'	6	3.17 19													
	ER4	4	9m	7'-0"	12'	3	4.68 14													
	ER5	4	R	13'-0"	-	4	6.66 25													
	EW1	4	R	6'-0"	12'	20	4.01 112													
	EW2	4	R	11'-11"	-	2	7.96 16													
	EW3	4	9m	6'-0"	12'	12	4.01 48													
	EW4	4	9m	7'-0"	12'	12	4.68 56													
	EW5	4	9m	15'-0"	12'	12	9.33 112													
	EW6	4	9m	13'-0"	12'	14	6.66 122													
	EF1	4	R	6'-3"	12'	20	4.18 117													
EF2	4	9m	4'-5"	12'	3	3.01 9														
EF3	4	R	6'-3"	12'	6	4.34 26														
EF4	4	9m	4'-0"	12'	20	2.67 53														
EF5	4	9m	2'-0"	12'	3	1.34 4														
EF6	4	R	10'-9"	-	4	10.52 42														
							TOTAL 831													
Step Connection	FR1	4	R	2'-9"	12'	7	1.84 13													
	FR2	4	R	2'-9"	12'	4	1.84 7													
	FR3	4	9m	2'-6"	12'	5	1.67 6													
	FR4	4	R	6'-3"	12'	3	5.51 17													
	FR5	4	9m	4'-9"	12'	5	3.17 16													
	FR6	4	9m	4'-0"	12'	11	2.67 29													
	FR7	6	9m	4'-9"	12'	9	9.39 85													
	FR8	4	R	10'-6"	12'	4	2.01 26													
	FR9	4	R	6'-6"	12'	22	4.34 96													
	FR10	4	R	11'-11"	-	2	7.96 16													
	FR11	4	9m	7'-5"	12'	14	4.24 59													
	FR12	4	9m	6'-3"	12'	6	4.18 33													
	FR13	4	9m	10'-6"	12'	12	7.01 84													
	FR14	4	9m	11'-9"	12'	12	7.85 94													
	FR15	4	R	2'-9"	12'	7	1.84 13													
	FR16	4	R	5'-3"	12'	20	3.51 70													
	FR17	4	R	6'-9"	12'	3	3.24 18													
	FR18	4	R	7'-0"	12'	3	4.68 14													
FR19	4	9m	4'-0"	12'	16	2.67 43														
FR20	6	9m	6'-3"	-	6	9.39 73														
FR21	4	9m	2'-3"	12'	3	1.30 4														
FR22	4	R	10'-9"	12'	2	9.52 19														
FR23	4	R	12'-9"	12'	2	8.52 17														
							TOTAL 864													



Note: All Dimensions are Out to Out of Bang, Except Radii 'R' for Bending are Given to Inside of Bar. Numbers in Circles Denote Bar Type.

Bar Prefix Identification:  
 R - Roof  
 W - Wall  
 F - Floor

REVISIONS	
DATE	DESCRIPTION

CITY OF CHICAGO  
 DEPARTMENT OF PUBLIC WORKS  
 BUREAU OF ENGINEERING  
 SEWER PLANNING DIVISION  
 NORTHWEST ROUTE SUPERHIGHWAY  
 VAN BUREN ST. BRIDGE-SECTION 010.2-18  
 STORM SEWER  
 CONNECTING STRUCTURES  
 SCALE: AS SHOWN  
 DATE: APRIL, 1957 SHEET NO. 83-12 OF 44 SHEETS



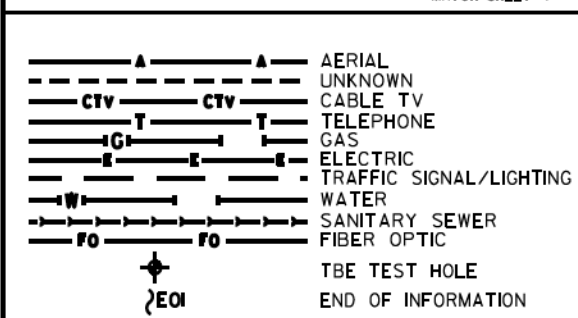
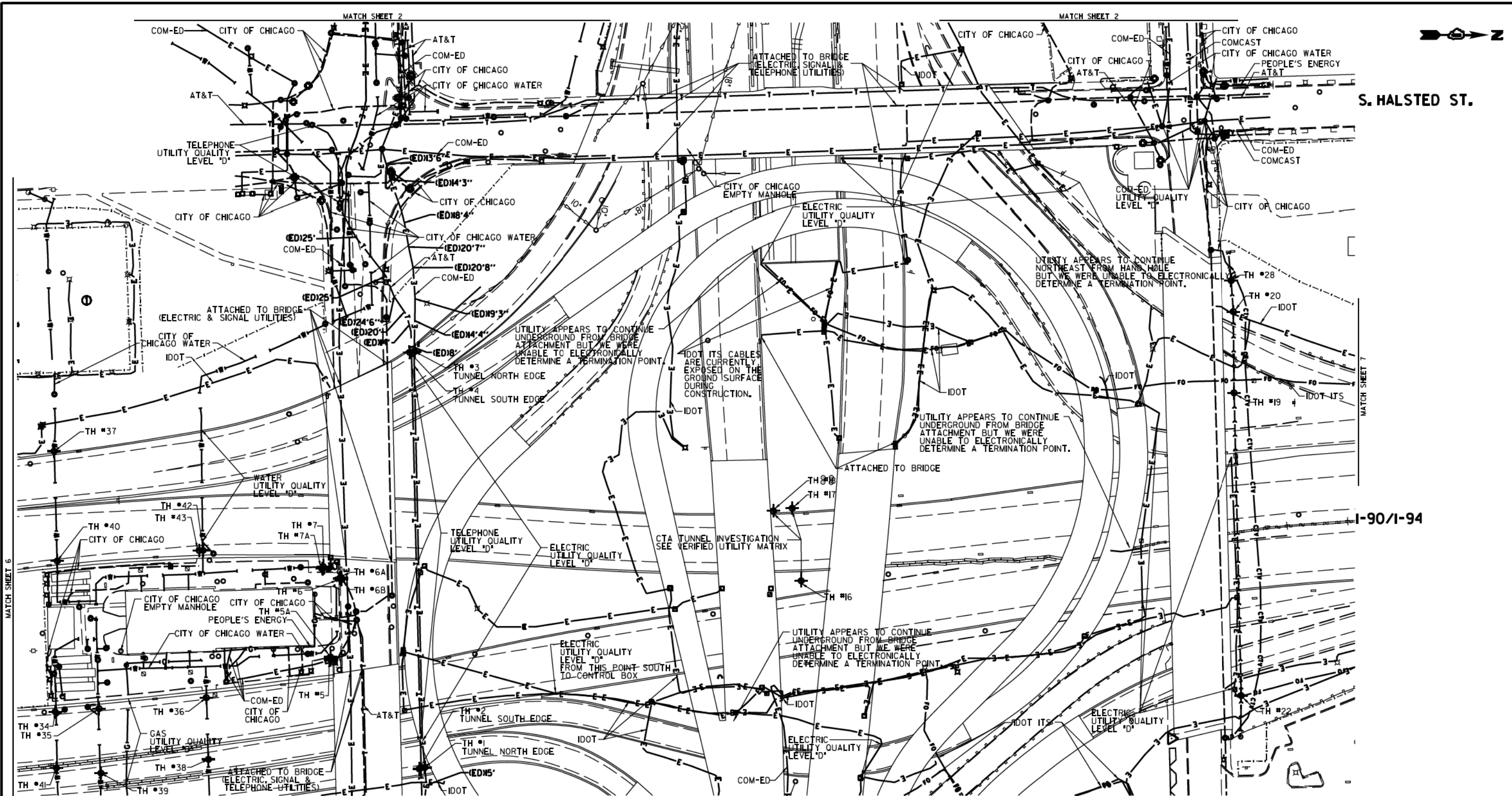
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 PLOT DATE = 12/15/2016

DESIGNED -  
 DRAWN - BAW  
 CHECKED - JMG  
 DATE - 12/14/16

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

AS BUILT SIPHON PLANS  
 VAN BUREN STREET  
 SCALE: NONE SHEET 12 OF 12 SHEETS STA. TO STA.

F.A.I. R.T.E. 90/94/290  
 SECTION 2014-017B  
 COUNTY COOK  
 TOTAL SHEETS 44  
 SHEET NO. 154  
 CONTRACT NO. 60X99  
 ILLINOIS FED. AID PROJECT



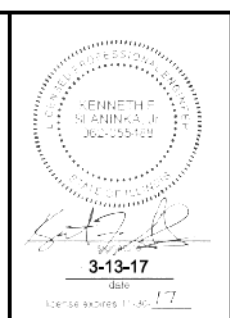
UTILITY OWNERS	
AT&T	= TELEPHONE
COM-ED	= ELECTRIC
CITY OF CHICAGO	= ELECTRIC
CITY OF CHICAGO WATER	= WATER
IDOT	= ELECTRIC
IDOT ITS	= FIBER OPTIC
PEOPLE'S ENERGY	= GAS

NOTE: ALL ELECTRONIC DEPTHS MARKED AS (ED) WERE OBTAINED UTILIZING A SONDE DEVICE. DEPTHS ON THE AT&T DUCT WERE RECORDED FROM AN AT&T CONTRACTOR. DEPTHS ON THE COMED DUCT WERE RECORDED BY A CARDNO CREW. CARDNO CAN NOT VERIFY THE ACCURACY OF THESE DEPTHS AND SHOULD BE USED AS APPROXIMATE AND AS INFORMATION ONLY.

UTILITIES SHOWN ON THESE PLANS AS DEPICTED IN THE LEGEND HAVE BEEN INVESTIGATED BY CARDNO IN ACCORDANCE WITH SUE INDUSTRY STANDARDS. ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED TO CARDNO BY OTHERS. CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 3/14/13 THROUGH 10/21/15. CHANGES TO UTILITIES MAY HAVE BEEN MADE AND THEREFORE MAY RESULT IN VARIANCES FROM THIS PLAN. CONSIDERATION SHOULD BE GIVEN TO UPDATING THIS PLAN IF DEEMED ADVISABLE PRIOR TO FINAL DESIGN AND CONSTRUCTION.

ADDITIONAL CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 1/24/17 AND SURVEYED BY CLAASSEN, WHITE & ASSOCIATES.

ALL UTILITIES SHOWN QUALITY LEVEL 'B' UNLESS NOTED OTHERWISE.



CLAASSEN, WHITE & ASSOCIATES, P.C.  
 LAND SURVEYORS  
 61 AIRPORT DRIVE, SUITE 1, AILET, ILLINOIS 60431  
 (815) 744-3720 clausenwhite@cwainvest.com



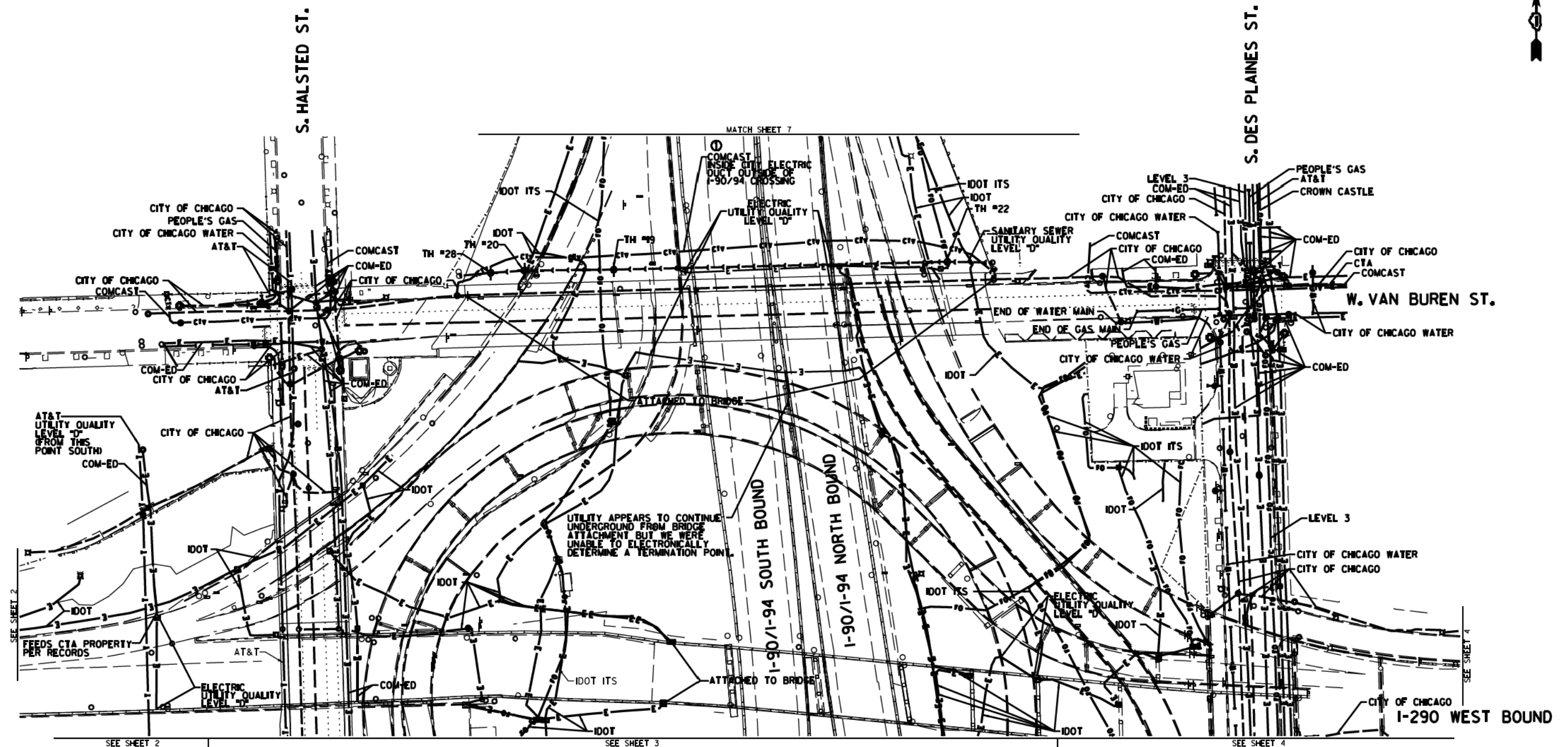
Utility Quality Level 'A': Visually Verified Test Hole  
 Utility Quality Level 'B': Designating/non Visually Verified Test Hole  
 Utility Quality Level 'C': Research with Survey  
 Utility Quality Level 'D': Records Research

DESIGNED	IP	REVISED	2/20/17 ADDED UTILITIES
DRAWN	SRK	REVISED	
CHECKED	MGR	REVISED	
DATE	12/18/15	REVISED	

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

I-94-I-90-290 (Circle Interchange)  
 Chicago, Illinois

F.A. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	442	155
FED. ROAD DIST. NO.		ILLINOIS	IDOT Project No. P-94-259-R	



NOTE:  
 THE CITY OF CHICAGO LINES (OTHER THAN THE WATER LINES), ARE MULTI-DUCT SYSTEMS, AND MAY CONTAIN ELECTRIC, TRAFFIC SIGNAL, CPS FIBER OPTICS, OEMC FIBER OPTICS, OTHER CITY COMMUNICATION LINES, AND OCCASIONALLY 3RD PARTY LINES. CARDNO HAS NOT ATTEMPTED TO DETERMINE THE NUMBER, SIZE, CONFIGURATION, OR OWNERSHIP OF THESE DUCT SYSTEMS. SUCH DETERMINATION SHOULD BE MADE BY OTHERS DURING THE UTILITY COORDINATION PROCESS.

	AERIAL
	UNKNOWN
	CABLE TV
	TELEPHONE
	GAS
	ELECTRIC
	TRAFFIC SIGNAL/LIGHTING
	WATER
	SANITARY SEWER
	FIBER OPTIC
	TBE TEST HOLE
	END OF INFORMATION

UTILITY OWNERS	
AT&T	= TELEPHONE
CITY OF CHICAGO	= ELECTRIC
CITY OF CHICAGO	= FIBER OPTIC
CITY OF CHICAGO	= WATER
COMCAST	= CABLE TV
COM-ED	= ELECTRIC
CROWN CASTLE	= FIBER OPTIC
CTA	= ELECTRIC
IDOT	= ELECTRIC
IDOT ITS	= FIBER OPTIC
LEVEL 3	= FIBER OPTIC
PEOPLE'S GAS	= GAS

UTILITIES SHOWN ON THESE PLANS AS DEPICTED IN THE LEGEND HAVE BEEN INVESTIGATED BY CARDNO IN ACCORDANCE WITH SUE INDUSTRY STANDARDS. ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED TO CARDNO BY OTHERS. CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 6/30/14 THROUGH 8/07/14. CHANGES TO UTILITIES MAY HAVE BEEN MADE AND THEREFORE MAY RESULT IN VARIANCES FROM THIS PLAN. CONSIDERATION SHOULD BE GIVEN TO UPDATING THIS PLAN IF DEEMED ADVISABLE PRIOR TO FINAL DESIGN AND CONSTRUCTION.

ADDITIONAL CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 11/17/16 THROUGH 12/09/16 AND SURVEYED BY CLAASSEN, WHITE & ASSOCIATES.

ALL UTILITIES SHOWN QUALITY LEVEL 'B' UNLESS NOTED OTHERWISE.



**Cardno TBE**

CLAASSEN, WHITE & ASSOCIATES, P.C.  
 LAND SURVEYORS  
 61 AIRPORT DRIVE - HWY 1, AILET, ILLINOIS 60438  
 (815) 744-3720 claussewh@cwassurvey.com

**Dynasty Group**  
 Engineers & Surveyors

TBE Job No. IL095053L 563, 647, 737  
 SUE Plan Pages 3A of 12

Utility Quality Level 'A': Visually Verified Test Hole
Utility Quality Level 'B': Designating/non Visually Verified Test Hole
Utility Quality Level 'C': Research with Survey
Utility Quality Level 'D': Records Research

DESIGNED IP	REVISED 12/20/16
DRAWN SRK	REVISED
CHECKED MGR	REVISED
DATE 12/18/15	REVISED

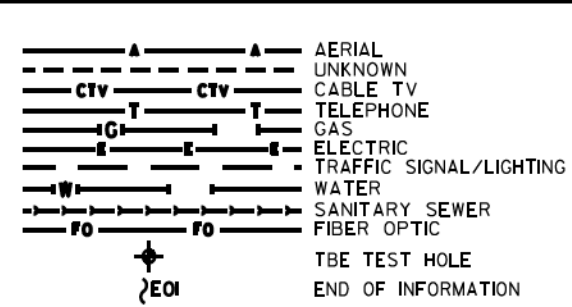
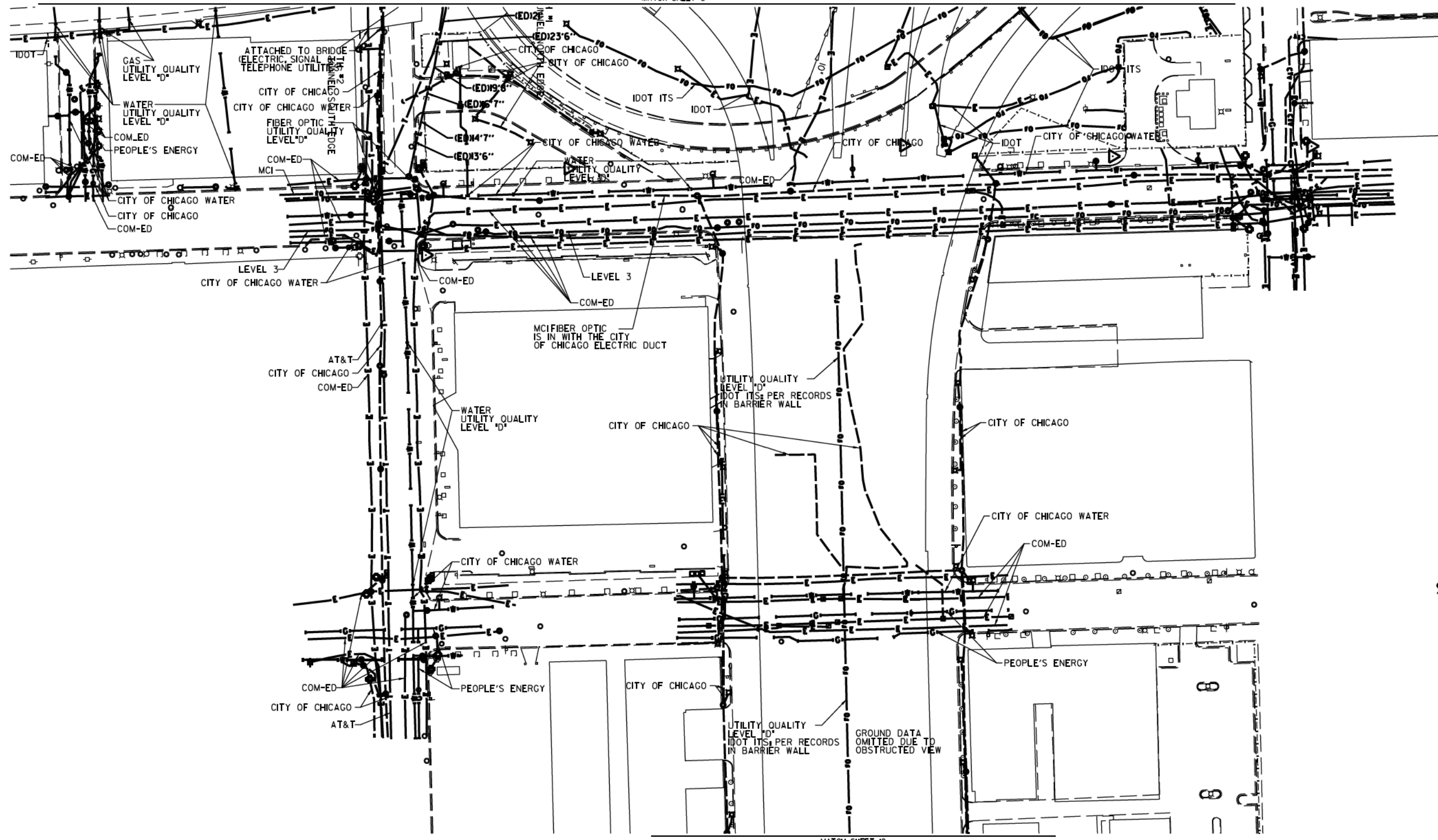
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

I-94-904-290 (Circle Interchange)  
 Chicago, Illinois

SHEET 2 OF 3 SHEETS

F.A. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	442	156
Contract No. N/A				
FED. ROAD DIST. NO., ILLINOIS IDOT Project No. P-94-259-R				





**UTILITY OWNERS**

AT&T = TELEPHONE  
 COM-ED = ELECTRIC  
 CITY OF CHICAGO = ELECTRIC  
 CITY OF CHICAGO = SANITARY SEWER  
 CITY OF CHICAGO WATER = WATER  
 IDOT = ELECTRIC  
 IDOT SURVEILLANCE = FIBER OPTIC  
 LEVEL 3 = FIBER OPTIC  
 MCI = FIBER OPTIC  
 PEOPLE'S ENERGY = GAS

NOTE: ALL ELECTRONIC DEPTHS MARKED AS (ED) WERE OBTAINED UTILIZING A SONDE DEVICE. DEPTHS ON THE AT&T DUCT WERE RECORDED FROM AN AT&T CONTRACTOR. DEPTHS ON THE COMED DUCT WERE RECORDED BY A CARDNO CREW. CARDNO CAN NOT VERIFY THE ACCURACY OF THESE DEPTHS AND SHOULD BE USED AS APPROXIMATE AND AS INFORMATION ONLY.

UTILITIES SHOWN ON THESE PLANS AS DEPICTED IN THE LEGEND HAVE BEEN INVESTIGATED BY CARDNO IN ACCORDANCE WITH SUE INDUSTRY STANDARDS. ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED TO CARDNO BY OTHERS. CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 3/14/13 THROUGH 8/07/14. CHANGES TO UTILITIES MAY HAVE BEEN MADE AND THEREFORE MAY RESULT IN VARIANCES FROM THIS PLAN. CONSIDERATION SHOULD BE GIVEN TO UPDATING THIS PLAN IF DEEMED ADVISABLE PRIOR TO FINAL DESIGN AND CONSTRUCTION.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



CLAASSEN, WHITE & ASSOCIATES, P.C.  
 LAND SURVEYORS  
 61 AIRPORT DRIVE, SUITE 1, AILET, ILLINOIS 60439  
 (815) 744-3720 clausenwhite@cwawesurvey.com



TBE Job No. IL0950531 563, 647, 737  
 SUE Plan Pages 4 of 12

Utility Quality Level "A": Visually Verified Test Hole  
 Utility Quality Level "B": Designating/non Visually Verified Test Hole  
 Utility Quality Level "C": Research with Survey  
 Utility Quality Level "D": Records Research

DESIGNED	IP	REVISED
DRAWN	SRK	REVISED
CHECKED	MGR	REVISED
DATE	12/18/15	REVISED

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

**I-94-904-290 (Circle Interchange)**  
**Chicago, Illinois**

SHEET 3 OF 3 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	442	157
Contract No. N/A				
FED. ROAD DIST. NO. ILLINOIS IDOT Project No. P-91-259-R				



VERIFIED UTILITY INFORMATION

TEST HOLE #	SIZE &	TYPE	NORTHING	EASTING	EXISTING TOP ELEVATION	EXISTING CUT	REFERENCE ELEVATION	SUE QUALITY LEVEL	COMMENTS
26	N/A	WATER	1898814.654	1171391.251	572.75'	7.50'	580.25'	B	
27	N/A	WATER	1898814.915	1171395.719	571.67'	7.16'	578.83'	B	
28	N/A	SIPHON	1898446.146	1171286.067	572.68'	13.38'	586.06'	B	
29	N/A	SIPHON	1899863.107	1171643.779	572.74'	7.90'	580.64'	B	
30	N/A	SIPHON	1899845.426	1171642.747	572.90'	7.06'	579.96'	A	
31	N/A	SIPHON	1899845.311	1171651.515	575.42'	6.42'	581.84'	A	
32	N/A	SIPHON	1899833.821	1171355.929	576.15'	3.62'	579.77'	A	
32A	N/A	SIPHON	1899861.396	1171360.162	574.89'	4.07'	579.07'	A	
32B	N/A	SIPHON	1899847.605	1171358.462	575.20'	4.18'	579.38'	A	
33	N/A	FIBER OPTIC	1899742.060	1171648.471	N/A	SEE NOTE	585.56'	C	
34	48"	WATER	1897228.575	1171732.883	576.44'	5.14'	581.58'	A	
35	48"	WATER	1897273.960	1171729.504	576.92'	4.46'	581.38'	A	
36	N/A	WATER	1897385.054	1171718.156	578.38'	2.22'	580.60'	A	
37	54"	WATER	1897227.364	1171462.933	576.33'	6.03'	582.36'	A	
38	N/A	WATER	1897387.290	1171782.047	576.60'	5.46'	582.06'	A	
39	N/A	WATER	1897275.870	1171796.286	577.47'	5.97'	583.44'	A	
40	54"	WATER	1897230.523	1171576.645	578.58'	2.80'	581.38'	A	
41	N/A	WATER	1897229.624	1171790.841	577.55'	6.17'	583.72'	A	
42	48"	WATER	1897381.570	1171565.533	575.29'	4.43'	579.72'	A	
43	14"x14"	UNKNOWN	1897377.583	1171565.776	577.49'	2.14'	579.63'	A	

NOTES

TH #26 - Unable to visually verify utility due to back fill infiltrating the test hole. However, by utilizing the air lance we were able to feel what is believed to be the edges and top of the pipe. Records indicate utility to be a 16" pipe.

TH #27 - Unable to visually verify utility due to back fill infiltrating the test hole. However, by utilizing the air lance we were able to feel what is believed to be the edges and top of the pipe. Records indicate utility to be a 16" pipe.

TH #28 - Unable to visually verify utility due to back fill and ground water infiltrating the test hole. However, by utilizing the air lance we were able to feel what is believed to be the crown of pipe. Records indicate utility to be a 60" pipe.

TH #29 - Unable to visually verify utility due to sand and ground water infiltrating the test hole. However, by utilizing the air lance we were able to feel what is believed to be the crown of pipe. Records indicate utility to be a 60" pipe.

TH #30 - Exposed what we believe to be the crown of the concrete pipe. Records indicate the utility to be a 108" pipe.

TH #31 - Exposed what we believe to be the crown of the concrete pipe. Records indicate the utility to be a 108" pipe. Found what we believe to be the Siphon Outlet Chamber.

TH #32 - Found a flat formed concrete structure. Reference point placed in line with southern edge of concrete structure.

TH #32A - Found a flat formed concrete structure. Reference point placed in line with Northern edge of concrete structure.

TH #32B - Found a flat formed concrete structure. Reference point placed in line with center of concrete structure.

TH #33 - Were only able to excavated to a depth of 10' and did not find utility. Electronic depths indicate utility to 27' +/- deep.

TH #35 - Depth taken from top of pipe joint.

TH #38 - Were only able to see the top crown of pipe. Records indicate pipe size to be 36".

TH #39 - Were only able to see the top crown of pipe. Records indicate pipe size to be 48".

TH #40 - Pipe appears to be on a slight upward angle towards the retaining wall.

TH #41 - Were only able to see the top crown of pipe. Records indicate pipe size to be 48".

TH #42 - Depth taken from top of pipe joint.

TH #43 - Found unknown concrete 14"x14" structure that appears to be a duct.

ALL INFORMATION SHOWN WAS OBTAINED FROM A LOCATION SURVEY.



CIVIL ENGINEERING \* TRANSPORTATION \* ENVIRONMENTAL  
PLANNING \* UTILITY ENGINEERING/LOCATING

Checked By: *[Signature]* TBE Job No. I0990531.563, 647, 737  
Date: 3/8/17 SHEET 2 OF 3

DESIGNED EG	REVISED			STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-941-901-290 (Circle Interchange) Chicago, Illinois	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
DRAWN SRK	REVISED					N/A		Cook	442	157B	
CHECKED MGR	REVISED					Contract No. N/A					
DATE 12/18/15	REVISED					FED. ROAD DIST. NO. ILLINOIS Job No. P-9-259-12					

**PART OF SECTION 16, T39N, R14E, OF THE 3RD PM, COOK COUNTY, ILLINOIS**

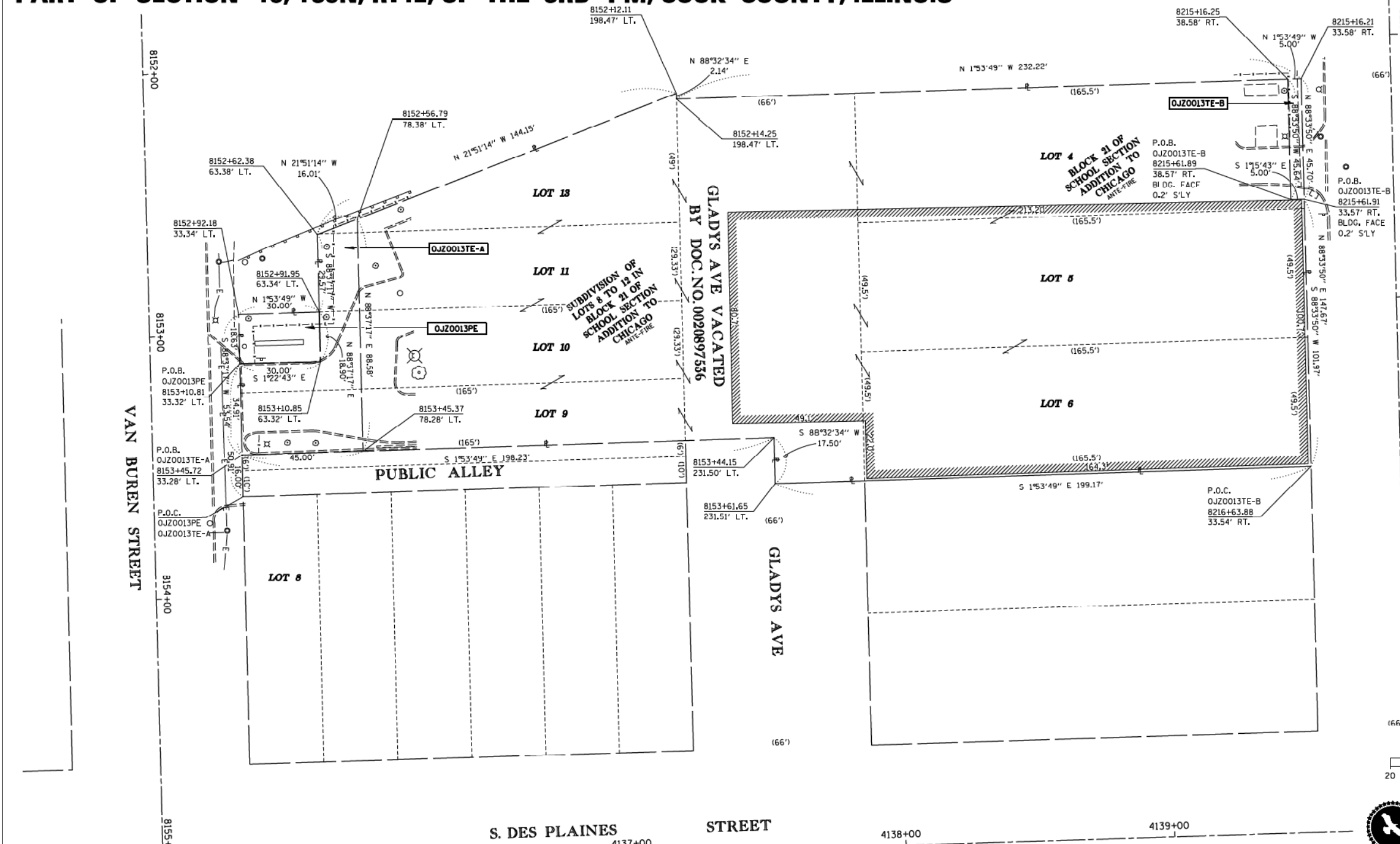
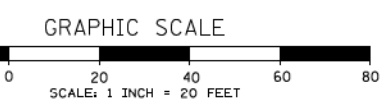
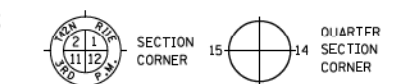


BEARINGS AND DISTANCES SHOWN HEREON ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83-(2007)

**LEGEND**

- EXISTING CENTERLINE
- - - EXISTING RIGHT OF WAY LINE
- PROPOSED CENTERLINE
- - - PROPOSED RIGHT OF WAY LINE
- - - PROPOSED TEMPORARY EASEMENT LINE
- - - PROPOSED PERMANENT EASEMENT LINE
- - - PROPERTY (DEED) LINE
- - - APPARENT PROPERTY LINE
- - - SAME OWNERSHIP
- X X X FENCE LINE
- 123.45' (123.45') RECORD DIMENSION
- FOUND GRON ROD / PIPE
- ⊕ FOUND CROSS
- ⊕ FOUND ROW MARKER
- ⊕ SIGN

- T1 ● THESE STAKES REFERENCE FOUND OR SET MONUMENTATION, SET 3/8 INCH IRON ROD FLUSH WITH GROUND, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2 ●
- T3 ●
- STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CLOSE PROXIMITY TO UNDERGROUND UTILITIES, SET DIVISION OF HIGHWAYS SURVEY MARKER ON 3/8 INCH IRON ROD (BETWEEN 6 INCHES AND 12 INCHES IN LENGTH) TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.



STATE OF ILLINOIS )  
                                  ) s.s.  
COUNTY OF COOK    )

THIS IS TO CERTIFY THAT I, JOHN A. DYBAS III, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 16, TOWNSHIP 39 NORTH, RANGE 14 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CHICAGO, ILLINOIS THIS 30TH DAY OF JUNE, 2015.

JOHN A. DYBAS III  
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3097  
LICENSE, EXPIRATION DATE 11/30/2016

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



PARCEL NO.	OWNER	PERMANENT INDEX NUMBER	TOTAL HOLDING	AREA TAKEN	PREVIOUSLY DEDICATED	REMAINDER	EASEMENTS TEMP	EASEMENTS PERM	EASEMENT PURPOSE	PROPERTY ACQUIRED BY
OJZ0013PE	711 WEST JACKSON, LLC	17-16-116-017, 17-16-116-021, 17-16-116-024, 17-16-116-027, 17-16-116-036, 17-16-116-038	1.145 AC		0.000 AC	1.145 AC	0.054 AC	0.013 AC		
OJZ0013TE-A							0.005 AC			
OJZ0013TE-B										

CALCULATIONS BY: M. BARAN      DRAFTING BY: J. NOCON / M. BARAN      CHECKED BY: C. FIDIS

REVISION DATE: 6/30/2015      ASE. JOB NO. 213070.2



**PLAT OF HIGHWAYS**  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DWIGHT D. EISENHOWER EXPRESSWAY (I-290)  
HALSTED STREET TO MORGAN STREET

SECTION: CIRCLE INTERCHANGE      COOK COUNTY  
PROJECT:      JOB NO. R-90-031-13  
STATION: 8152+56.79(VAN BUREN) TO STATION: 8153+45.72

SCALE: 1" = 20'      SHEET 1 OF 1

**BUREAU OF LAND ACQUISITION**  
201 WEST CENTER COURT  
SCHAUMBURG, ILLINOIS 60196

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D160X99-SHT-PLT-01.dgn	DESIGNED -	REVISED -	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
USER NAME = mkwilson	DRAWN -	REVISED -	90/94/290	2014-017B	COOK	442	158
PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -	CONTRACT NO. 60X99				
PLOT DATE = 12/15/2016	DATE - 12/14/16	REVISED -	ILLINOIS FED. AID PROJECT				

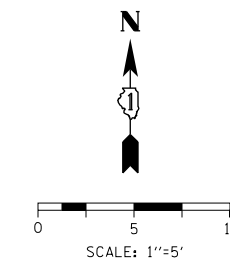
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**RIGHT OF WAY PLAT**

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







	STATION	OFFSET	ELEVATION
BA	8153+02.90	23.00' LT	594.71
BB	8153+04.07	34.33' LT	595.30
BC	8153+07.78	24.66' LT	594.84
BD	8153+11.70	29.11' LT	594.92
BE	8153+11.90	31.00' LT	595.00
BF	8153+11.90	34.32' LT	595.01
BG	8153+64.28	34.26' LT	593.38
BH	8153+64.28	32.00' LT	593.37
BI	8153+64.87	29.31' LT	593.35
BJ	8153+68.04	24.69' LT	593.22
BK	8153+71.31	34.25' LT	593.40
BL	8153+73.28	23.00' LT	593.08

LEGEND	
	PCC DRIVEWAY 8 INCH SUBBASE GRANULAR MATERIAL, TYPE B 6"
	PCC SIDEWALK 8 INCH SUBBASE GRANULAR MATERIAL, TYPE B 4"

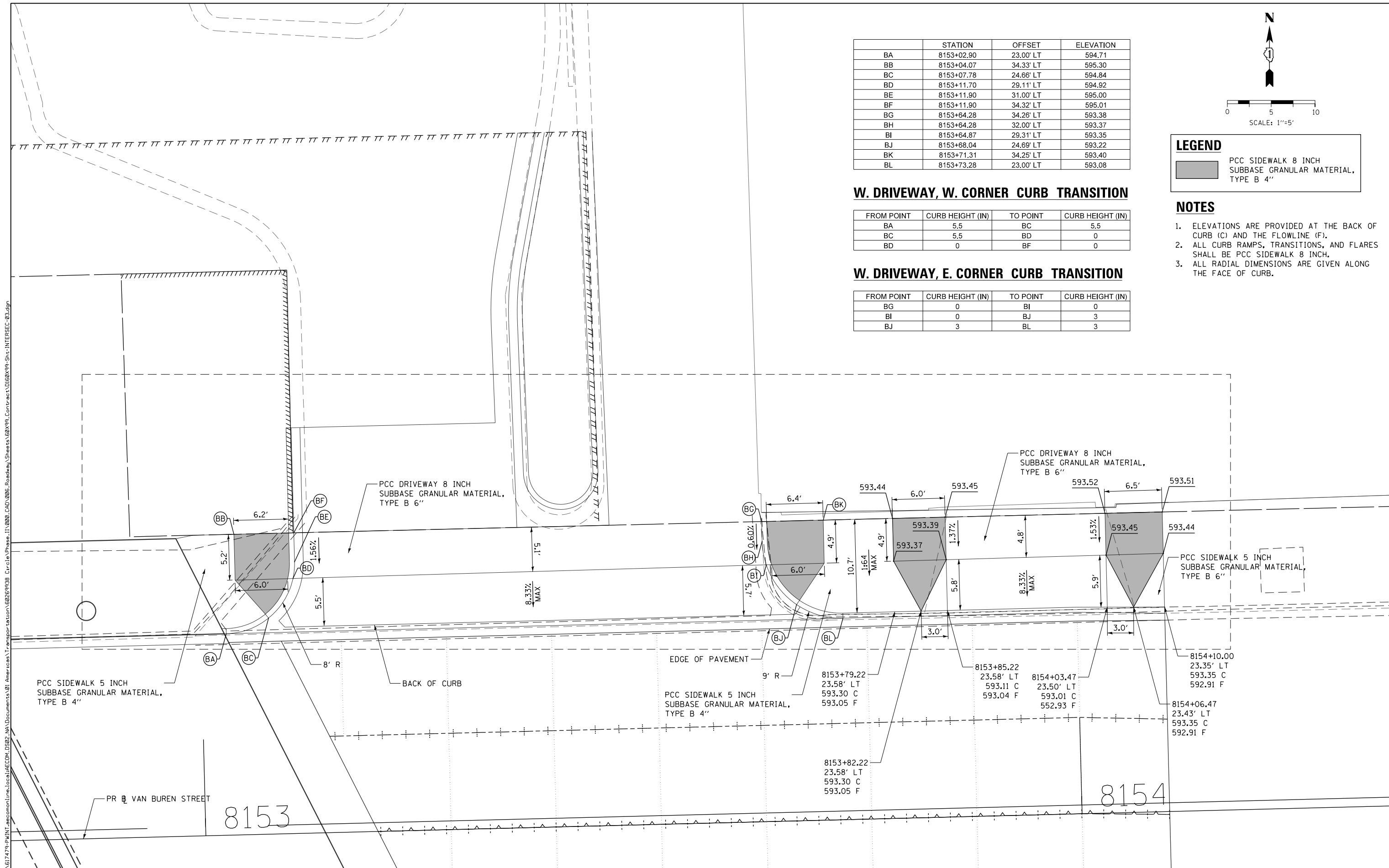
- NOTES**
- ELEVATIONS ARE PROVIDED AT THE BACK OF CURB (C) AND THE FLOWLINE (F).
  - ALL CURB RAMPS, TRANSITIONS, AND FLARES SHALL BE PCC SIDEWALK 8 INCH.
  - ALL RADIAL DIMENSIONS ARE GIVEN ALONG THE FACE OF CURB.

**W. DRIVEWAY, W. CORNER CURB TRANSITION**

FROM POINT	CURB HEIGHT (IN)	TO POINT	CURB HEIGHT (IN)
BA	5.5	BC	5.5
BC	5.5	BD	0
BD	0	BF	0

**W. DRIVEWAY, E. CORNER CURB TRANSITION**

FROM POINT	CURB HEIGHT (IN)	TO POINT	CURB HEIGHT (IN)
BG	0	BI	0
BI	0	BJ	3
BJ	3	BL	3



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D160X99-Sht-INTERSEC-03.dgn  
 USER NAME = mkwilson  
 PLOT SCALE = 10.0000' / in.  
 PLOT DATE = 12/15/2016

DESIGNED - JLV  
 DRAWN - CAT  
 CHECKED - JMG  
 DATE - 12/14/16

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

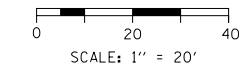
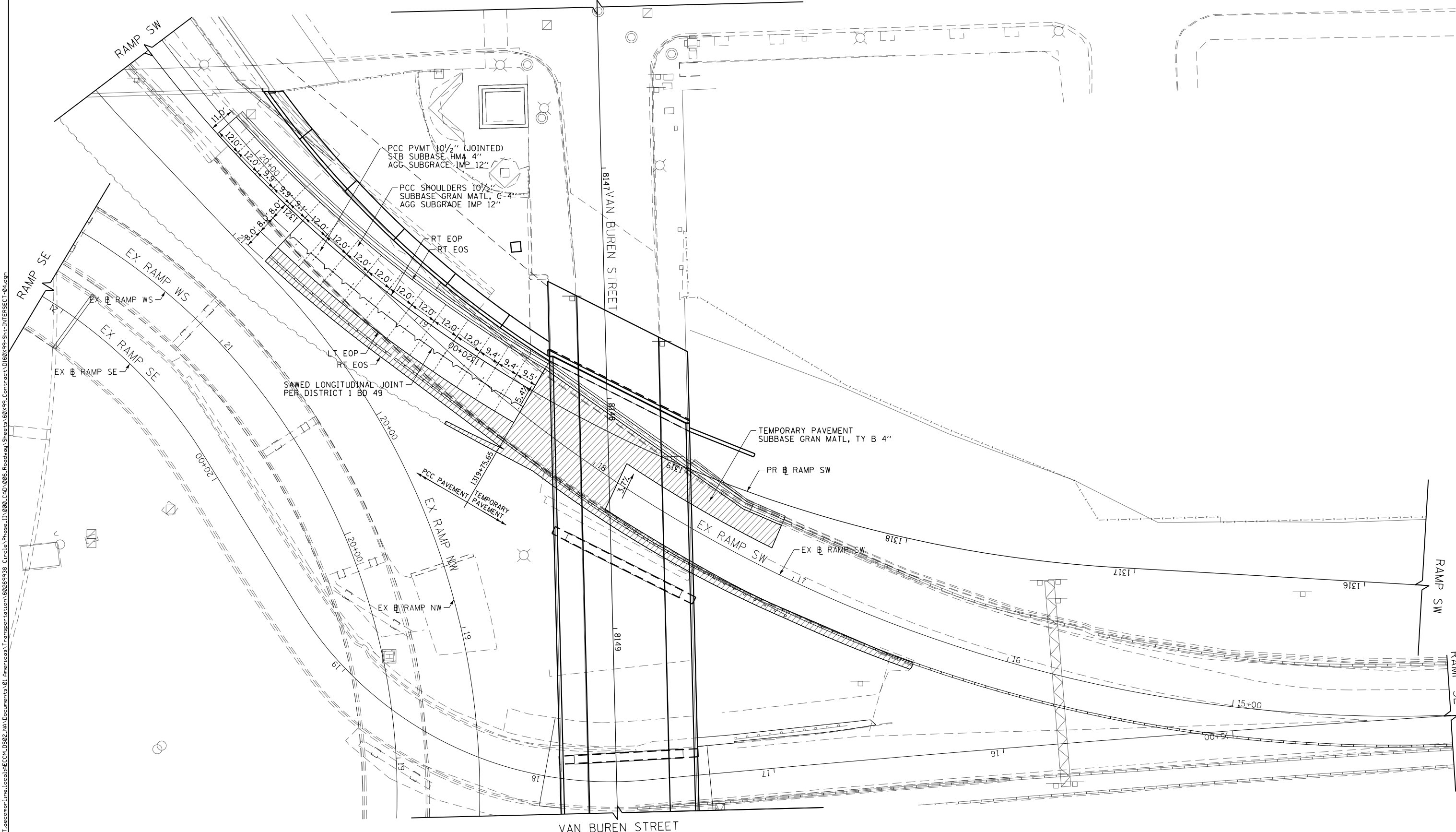
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY ENTRANCE DETAILS  
 VAN BUREN STREET**

SCALE: 1"=5'    SHEET 3 OF 4 SHEETS    STA.    TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	161
CONTRACT NO. 60X99				
ILLINOIS FED. AID PROJECT				

VAN BUREN STREET



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D160x99-Sht-INTERSECT-04.dgn  
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 PLOT SCALE = 40.0000' / in.  
 PLOT DATE = 12/15/2016

DESIGNED - MKW	REVISED -
DRAWN - BAW	REVISED -
CHECKED - JMG	REVISED -
DATE - 12/14/16	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

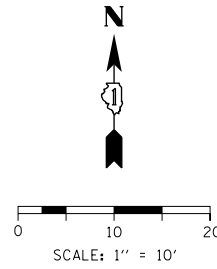
**JOINTING AND SUPERELEVATION PLAN  
 RAMP SW**

SCALE: 1"=20'    SHEET 4 OF 4 SHEETS    STA.    TO STA.

F.A.I. RTE. 90/94/290	SECTION 2014-017B	COUNTY COOK	TOTAL SHEETS 442	SHEET NO. 162
CONTRACT NO. 60X99				
ILLINOIS FED. AID PROJECT				



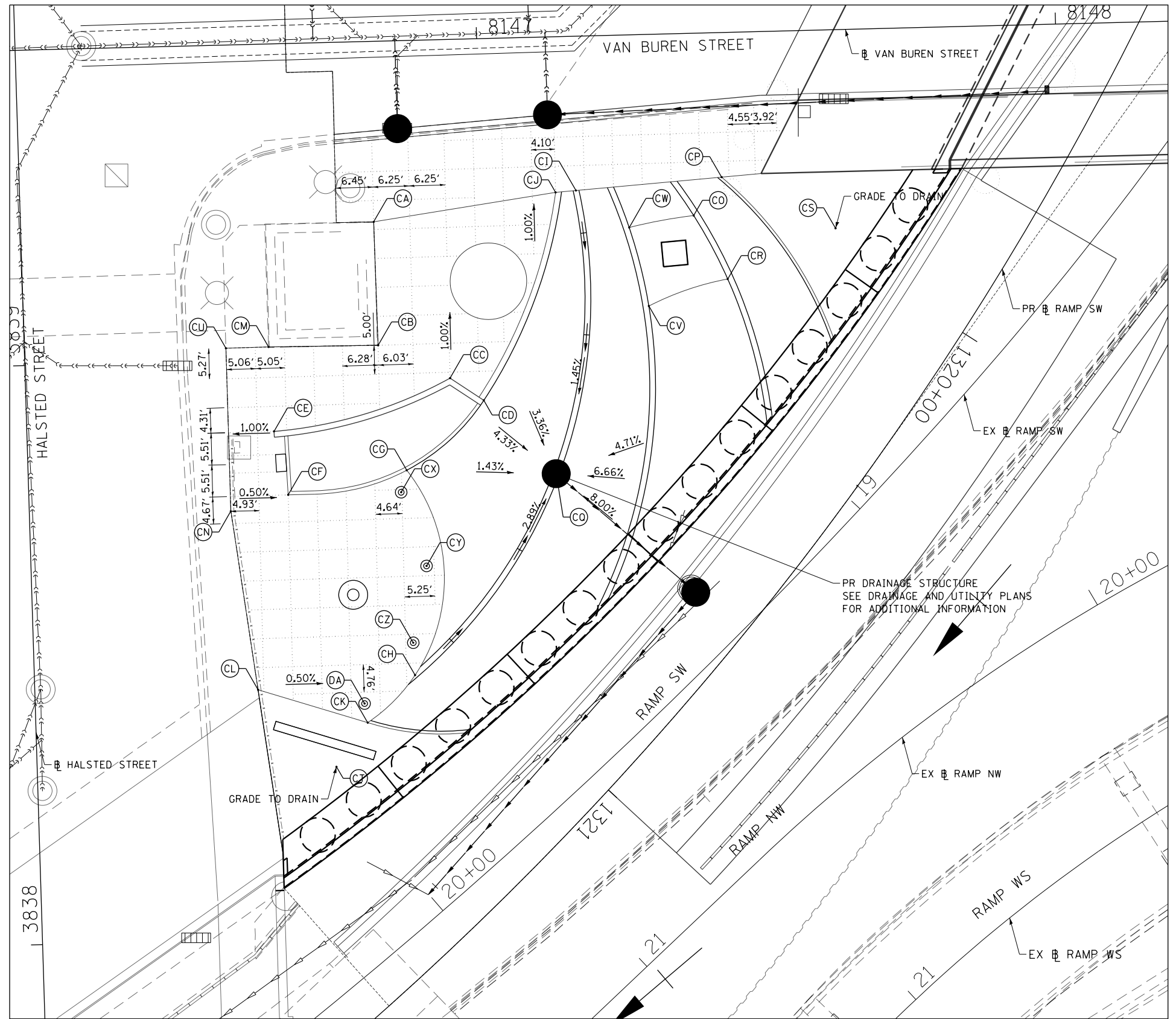
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NOTES:  
1. UNLESS NOTED OTHERWISE, ALL JOINTS ARE SPACED AT 5'

	STATION	OFFSET	ELEVATION
CA	8146+81.45	31.15' RT	593.39*
CB	8146+81.67	52.47' RT	593.58*
CC	8146+93.95	58.45' RT	593.74
CD	8146+99.68	62.42' RT	593.81
CE	8146+63.32	66.86' RT	593.62
CF	8146+65.50	77.88' RT	593.46
CG	8146+86.06	74.16' RT	593.37
CH	8146+86.62	109.54' RT	594.24
CI	8147+16.50	26.63' RT	593.72
CJ	8147+12.98	26.86' RT	593.61
CK	8146+79.24	117.53' RT	594.55
CL	8146+59.46	111.37' RT	594.43*
CM	8146+62.76	52.28' RT	593.44*
CN	8146+55.52	80.47' RT	593.53*
CO	8147+36.72	31.64' RT	594.32
CP	8147+41.71	24.95' RT	594.55
CQ	8147+11.86	75.39' RT	593.00
CR	8147+42.31	42.54' RT	594.35
CS	8147+61.15	34.28' RT	594.30
CT	8146+72.66	125.01' RT	594.05
CU	8146+55.39	52.31' RT	593.46*
CV	8147+28.58	46.87' RT	593.79
CW	8147+42.31	42.54' RT	593.86
CX	8146+85.02	77.92' RT	593.37
CY	8146+89.08	90.74' RT	593.67
CZ	8146+86.45	103.93' RT	594.07
DA	8146+77.78	114.22' RT	594.43

\* MATCH EXISTING ELEVATION



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USER NAME = mkwilson  
PLOT SCALE = 20.0000' / 1"  
PLOT DATE = 12/15/2016

DESIGNED - MKW  
DRAWN - CAT  
CHECKED - MKW  
DATE - 12/14/16

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REVISED -  
REVISED -  
REVISED -

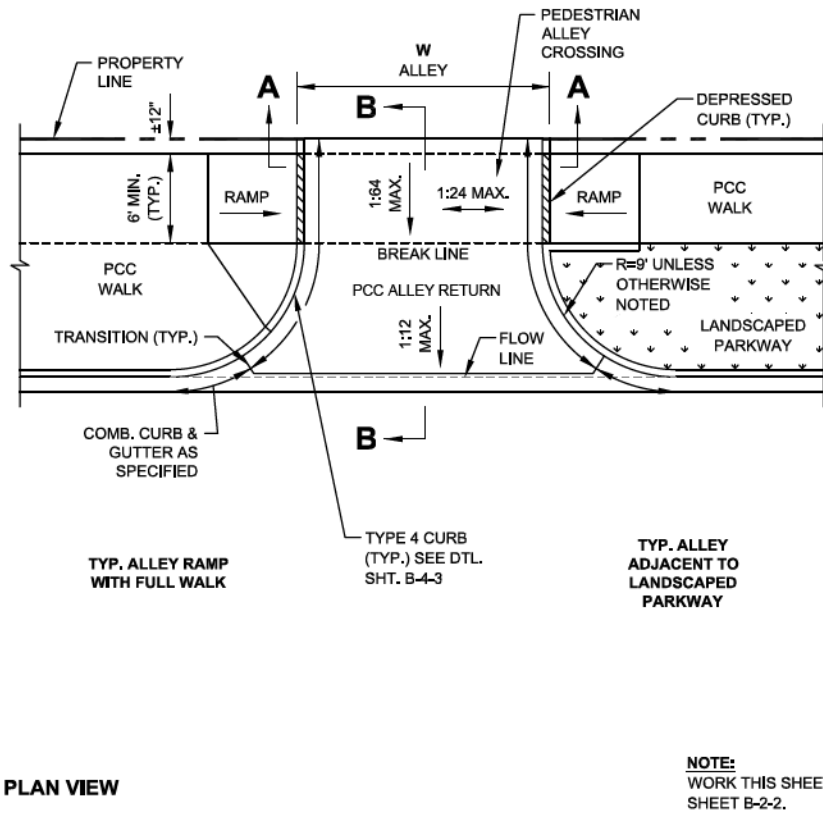
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ELYSIAN PLAZA GRADING PLAN  
SCALE: 1" = 10'  
SHEET 1 OF 1 SHEETS  
STA. TO STA.

F.A.I. RTE. 90/94/290	SECTION 2014-017B	COUNTY COOK	TOTAL SHEETS 442	SHEET NO. 163
CONTRACT NO. 60X99			ILLINOIS FED. AID PROJECT	

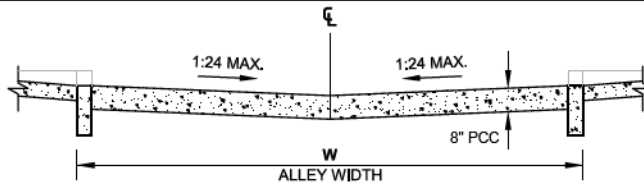
**NOTES:**

- A. DETECTABLE WARNING IS NOT REQUIRED AT ALLEY RETURNS.
- B. RAMP DETAILS ARE DEPENDENT UPON SITE SPECIFIC CONDITIONS (WHERE RAMPS ARE NECESSARY). SEE APPROPRIATE RAMP SHEET AS REQUIRED (TYP.).
- C. SEE DETAIL B-2-5 FOR REDUCED WIDTH (4' MIN.) PEDESTRIAN ACCESSIBLE ROUTE ACROSS ALLEY / DRIVEWAY (TO ALLOW FOR ADDITIONAL SLOPE AT ALLEY / DRIVEWAY).

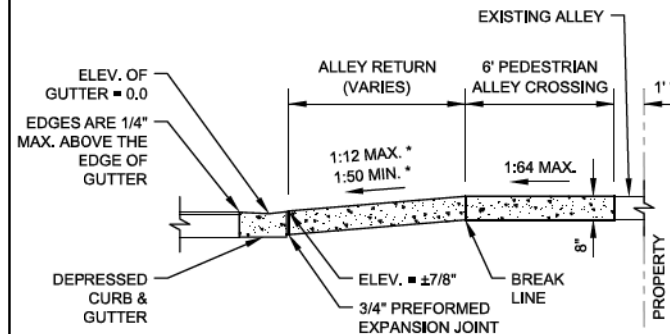


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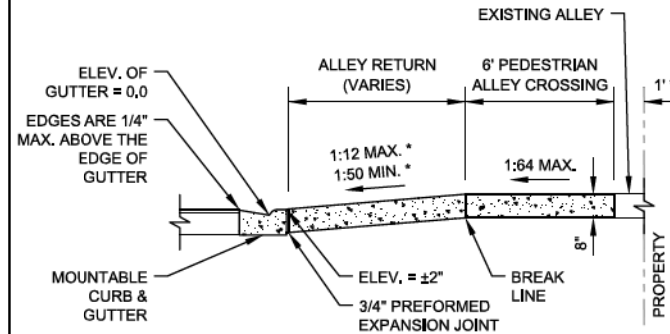
 City of Chicago Rahm Emanuel, Mayor Department of Transportation Division of Engineering www.cityofchicago.org	DATE	REVISION	CITY OF CHICAGO ALLEY RETURN PLAN VIEW SHEET B-2-1 SCALE: NOT TO SCALE DATE: 10/23/2006 DRAWN BY: CDOT CHECKED BY: GK
	02/20/07	REVISION 1	
	11/15/07	REVISION 2	
	11/14/08	REVISION 3	
	11/02/09	REVISION 4	
	08/10/12	REVISION 5	
01/01/14	REVISION 6		



**SECTION A-A: CROSS SECTION AT PROPERTY LINE**



**SECTION B-B: LONGITUDINAL SECTION SHOWING DEPRESSED CURB & GUTTER**

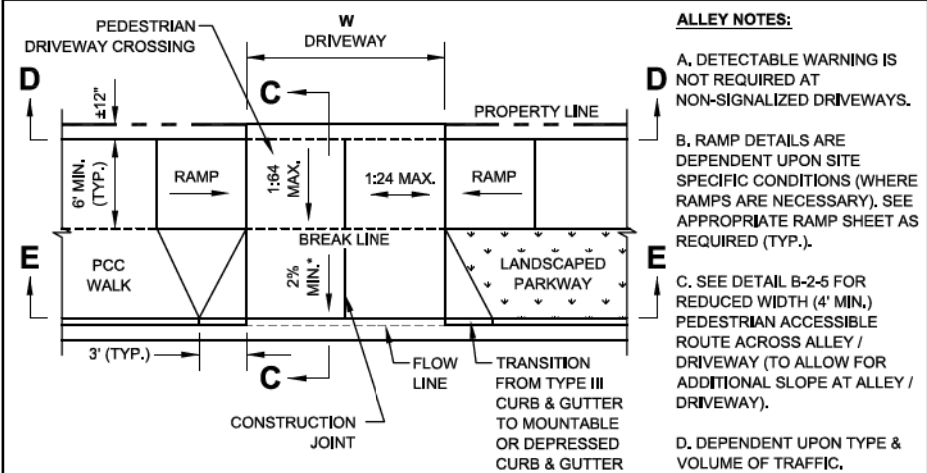


**SECTION B-B: LONGITUDINAL SECTION SHOWING MOUNTABLE CURB & GUTTER**

 City of Chicago Rahm Emanuel, Mayor Department of Transportation Division of Engineering www.cityofchicago.org	DATE	REVISION	CITY OF CHICAGO ALLEY RETURN SECTIONS SHEET B-2-2 SCALE: NOT TO SCALE DATE: 10/23/2006 DRAWN BY: CDOT CHECKED BY: GK
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	11/15/07	REVISION 2	
	11/14/08	REVISION 3	
	11/02/09	REVISION 4	
	08/10/12	REVISION 5	
01/01/14	REVISION 6		

**ALLEY RETURN NOTES:**

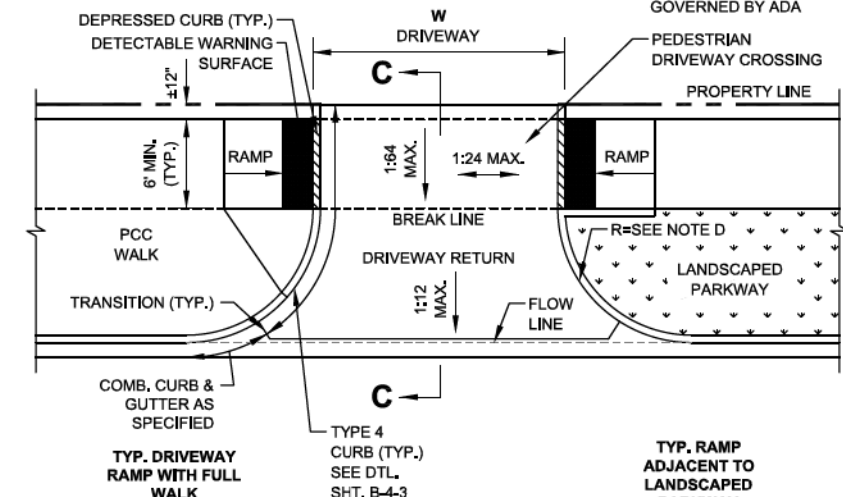
- A. WHEN A PORTION OF AN EXISTING PAVED ALLEY IS REMOVED TO ADJUST THE ALLEY PAVEMENT TO THE NEW GRADE, 3/4" PREFORMED EXPANSION JOINT MATERIAL SHALL BE PLACED ON THE PROPERTY LINE OTHERWISE THE JOINT IS OMITTED. THE COST OF FURNISHING AND PLACING THE 3/4" PREFORMED EXPANSION JOINT MATERIAL SHALL BE INCLUDED IN THE COST OF THE PORTLAND CEMENT CONCRETE ALLEY RETURN.
- B. SAWS JOINTS SHALL BE SEALED WITH A POURED MATERIAL MEETING THE REQUIREMENTS OF SECTION 1050 OF THE SSRBC.
- \* SLOPE VARIES AND IS NOT GOVERNED BY ADA
- \*\* THE SLOPE OF THE ALLEY IN THE 1' SPACE ADJACENT TO THE PROPERTY LINE MAY BE ALTERED UP TO 10% TO MEET EXISTING CONDITIONS



**ALLEY NOTES:**

- A. DETECTABLE WARNING IS NOT REQUIRED AT NON-SIGNALIZED DRIVEWAYS.
- B. RAMP DETAILS ARE DEPENDENT UPON SITE SPECIFIC CONDITIONS (WHERE RAMPS ARE NECESSARY). SEE APPROPRIATE RAMP SHEET AS REQUIRED (TYP.).
- C. SEE DETAIL B-2-5 FOR REDUCED WIDTH (4' MIN.) PEDESTRIAN ACCESSIBLE ROUTE ACROSS ALLEY / DRIVEWAY (TO ALLOW FOR ADDITIONAL SLOPE AT ALLEY / DRIVEWAY).
- D. DEPENDENT UPON TYPE & VOLUME OF TRAFFIC.
- \* SLOPE VARIES AND IS NOT GOVERNED BY ADA

**OPTION A - DRIVEWAY WITH FLARES**



**OPTION B - COMMERCIAL AND RESIDENTIAL DRIVEWAY WITH CURB FOR USE WITH TRAFFIC SIGNALIZATION APPROVED BY CITY ORDINANCE**

 City of Chicago Rahm Emanuel, Mayor Department of Transportation Division of Engineering www.cityofchicago.org	DATE	REVISION	CITY OF CHICAGO DRIVEWAY CONSTRUCTION PLAN VIEWS SHEET B-2-3 SCALE: NOT TO SCALE DATE: 10/23/2006 DRAWN BY: CDOT CHECKED BY: LCM
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	11/15/07	REVISION 2	
	11/14/08	REVISION 3	
	11/02/09	REVISION 4	
	08/10/12	REVISION 5	

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PLOT SCALE = 2.0000' / in.
PLOT DATE = 12/15/2016

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DATE - 12/14/16	REVISED -

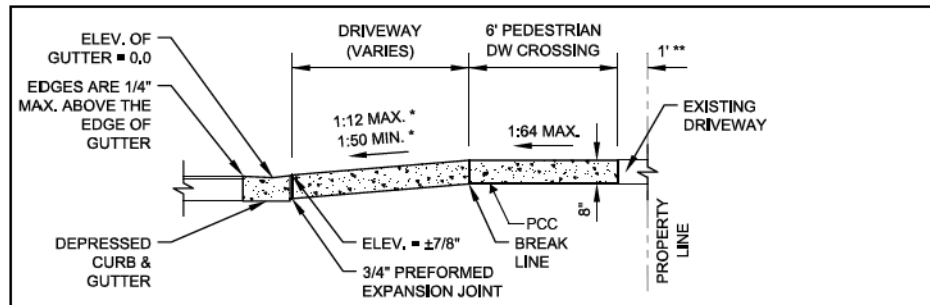
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CITY OF CHICAGO  
ADA STANDARDS**

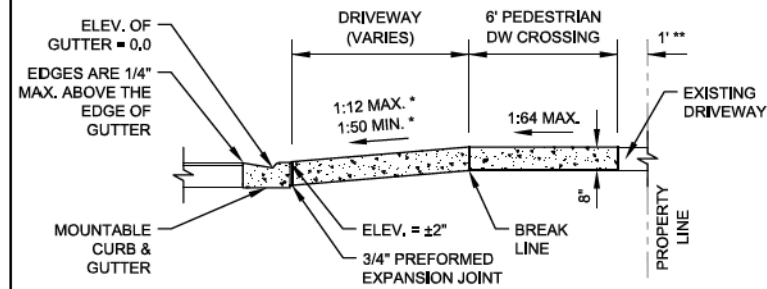
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 60X99				
ILLINOIS FED. AID PROJECT				

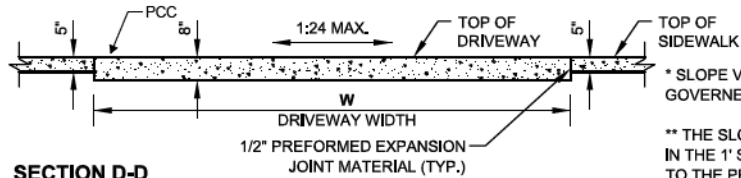
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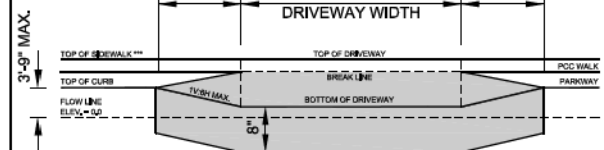
**SECTION C-C: SECTION SHOWING DEPRESSED CURB & GUTTER**



**SECTION C-C: SECTION SHOWING MOUNTABLE CURB & GUTTER**



**SECTION D-D**



**SECTION E-E**

\* SLOPE VARIES AND IS NOT GOVERNED BY ADA  
 \*\* THE SLOPE OF THE ALLEY IN THE 1' SPACE ADJACENT TO THE PROPERTY LINE MAY BE ALTERED UP TO 10% TO MEET EXISTING CONDITIONS  
 \*\*\* HEIGHT OF FLARE + WIDTH OF SIDEWALK x 1.56% + WIDTH OF PARKWAY x 1.56% TO 4%  
**NOTE:**  
 WORK THIS SHEET WITH SHEET B-2-3.

 City of Chicago Rahm Emanuel, Mayor Department of Transportation Division of Engineering www.cityofchicago.org	DATE	REVISION	<b>CITY OF CHICAGO</b> <b>DRIVEWAY CONSTRUCTION SECTIONS</b> <b>SHEET B-2-4</b> SCALE: NOT TO SCALE DATE: 10/23/2006 DRAWN BY: CDOT CHECKED BY: GK
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	11/15/07	REVISION 2	
	11/14/08	REVISION 3	
	11/02/09	REVISION 4	
	08/10/12	REVISION 5	
	01/01/14	REVISION 6	



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PLOT SCALE = 2.0000' / in.	CHECKED - DBM	REVISED -
PLOT DATE = 12/15/2016	DATE - 12/14/16	REVISED -

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

**CITY OF CHICAGO**  
**ADA STANDARDS**


SCALE: N/A SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	165
CONTRACT NO. 60X99				
ILLINOIS FED. AID PROJECT				

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**GENERAL NOTES:**

1. THE DETECTABLE WARNING USED SHALL BE CHOSEN FROM THE CHICAGO DEPARTMENT OF TRANSPORTATION LIST OF APPROVED DETECTABLE WARNING PRODUCTS (AVAILABLE ON THE CITY OF CHICAGO WEBSITE). IT IS NOT ACCEPTABLE TO INSTALL TWO DIFFERENT DETECTABLE WARNING PRODUCTS ADJACENT TO ONE ANOTHER AT ANY LOCATION. IN THE CENTRAL BUSINESS DISTRICT, GRANITE OR OTHER SPECIALTY PAVING MATERIALS MAY BE SUBMITTED TO THE COMMISSIONER FOR APPROVAL.
2. THE DETECTABLE WARNING MUST BE INSTALLED A MAXIMUM OF 8" OR LESS FROM FACE OF CURB (SEE DETAIL SHEET B-4-2).
3. THE DETECTABLE WARNING MUST COVER FULL WIDTH OF RAMP EXCLUDING SIDE FLARES FOR A MINIMUM UNOBSTRUCTED DEPTH OF 24". THE DETECTABLE WARNING LOCATED ON THE SURFACES OF RAMPS IS TYPICALLY ORIENTED PERPENDICULAR TO THE RUN OF THE RAMP UNLESS SPECIAL CIRCUMSTANCES OCCUR (SEE DETAIL SHEET B-1-5). THE DETECTABLE WARNING MUST BE PROVIDED FOR A MINIMUM DEPTH OF 24" FOR THE ENTIRE LENGTH OF THE SIDEWALK WHERE THE SIDEWALK IS FLUSH WITH THE STREET (DEPRESSED CURB OR FLUSH TRANSITION). IF IT IS NECESSARY TO CUT A UNIT(S) IN THE PROVISION OF A COMPLIANT RAMP OR SIDEWALK WITH 24" MINIMUM DEPTH OF DETECTABLE WARNING, THE UNITS SHALL BE CUT IN A NEAT AND WORKMAN LIKE MANNER PER MANUFACTURER'S REQUIREMENTS WITH A MINIMUM OF THREE PINS OR ANCHOR POINTS (WHERE APPLICABLE). THE UNITS SHALL BE ARRANGED SO THAT THE CUT UNITS ARE LARGE ENOUGH TO BE PROPERLY AND ADEQUATELY SECURED. CUT UNITS SHALL NOT BE USED UNLESS ALL OTHER DESIGN OPTIONS HAVE BEEN EXHAUSTED. THE USE OF SALVAGE PIECES FROM UNITS THAT ARE CUT WILL NOT BE PERMITTED WITHOUT WRITTEN APPROVAL OF THE COMMISSIONER. CUT UNIT SALVAGE PIECES NOT APPROVED FOR USE MUST BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY.
4. WHERE APPLICABLE, A COMBINATION OF STRAIGHT AND RADIAL DETECTABLE WARNING UNITS MAY BE USED ON COMPOUND AND LARGE RADII. CONTRACTOR MUST MAKE THIS DETERMINATION AND VERIFY IN FIELD.
5. THE DETECTABLE WARNING MUST CONTRAST WITH ADJACENT PAVEMENT. IF LIGHT COLORED PAVEMENT IS USED THE DETECTABLE WARNING COLOR SHALL BE RED. IF A DARK COLORED PAVEMENT IS USED THE DETECTABLE WARNING COLOR SHALL BE YELLOW. CONTRACTOR TO VERIFY THAT PROPER CONTRAST IS OBTAINED.
6. PRIOR TO PLACING CONCRETE FOR DEPRESSED CURBS, RAMPS, OR SIDEWALKS THE CONTRACTOR SHALL VERIFY THAT LAYOUT OR DESIGN COMPLIES WITH THE REQUIREMENTS OF THE CDOT ADA STANDARDS.
7. RAMP WIDTH MUST BE A MINIMUM OF 6'-0" AND IN INCREMENTS OF 1'-0", EXCEPT WHEN USING THE PERPENDICULAR RAMP AT CORNER (OR OTHER SPECIAL CDOT APPROVED CONDITIONS), WHICH HAS A MINIMUM WIDTH OF 4'-0".
8. THE MAXIMUM ALLOWABLE RAMP RUNNING SLOPE IS 1:14, MEASURED AT ANY PORTION OF THE RAMP. IF POSSIBLE, A MORE GRADUAL SLOPE SHALL BE USED. GRADE BREAKS AT THE TOP AND BOTTOM OF RAMPS SHALL BE PERPENDICULAR TO THE DIRECTION OF RAMP RUN.
9. THE MAXIMUM ALLOWABLE RAMP CROSS SLOPE IS 1:64, MEASURED AT ANY PORTION OF THE RAMP. IF POSSIBLE, A MORE GRADUAL SLOPE SHALL BE USED.
10. THE MAXIMUM ALLOWABLE RAMP LANDING SLOPE IS 1:64, MEASURED AT ANY LOCATION AND IN ANY DIRECTION ON THE LANDING. THE RAMP LANDING WIDTH SHALL MATCH THE FULL WIDTH OF THE RAMP FOR A MINIMUM UNOBSTRUCTED DEPTH OF 4'-0". RAMP LANDINGS SHALL BE PROVIDED AT THE TOP AND/OR BOTTOM OF RAMPS WHERE TURNING IS REQUIRED.
11. RAMP SIDE FLARES SHALL BE INSTALLED AT ANY LOCATION WHERE THE SURFACE ADJACENT TO THE RAMP SURFACE IS INTENDED FOR PEDESTRIAN USE, TRIPPING HAZARDS, INCLUDING STEPS, DROP-OFFS, OR CURBS SHALL NOT BE LOCATED WITHIN THE LIMITS OF THE SIDEWALK. RAMP SIDE FLARES ARE NOT REQUIRED WHERE THE SURFACE ADJACENT TO THE RAMP SURFACE IS LANDSCAPED OR IS OCCUPIED BY A BARRIER THAT BLOCKS PEDESTRIAN ACCESS. EXCEPTIONS TO THIS RULE MAY BE SUBMITTED TO THE COMMISSIONER FOR APPROVAL.

 City of Chicago Rahm Emanuel, Mayor Department of Transportation Division of Engineering www.cityofchicago.org	DATE	REVISION	CITY OF CHICAGO GENERAL NOTES SHEET B-3-2	SCALE: NOT TO SCALE DATE: 10/23/2006	DRAWN BY: CDOT CHECKED BY: LCM
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	11/15/07	REVISION 2			
	11/14/08	REVISION 3			
	11/02/09	REVISION 4			
08/10/12	REVISION 5				

**GENERAL NOTES (CONTINUED):**

12. UTILITIES, SUCH AS LIGHT POLES, TRAFFIC POLES AND HYDRANTS, MAY BE LOCATED IN THE FLARE OF THE RAMP BUT ARE NOT ALLOWED ON THE RAMP SURFACE OR LANDING AREAS. EXISTING UTILITY STRUCTURE LIDS MAY REMAIN WITHIN THE FLARE OR ON THE SURFACE OF THE RAMP IF THE REQUIREMENTS OF GENERAL NOTE #19 ARE MET.
13. ALL LOCATIONS WITH TYPE 4 OR TYPE B CURB (EXCEPT ALLEY APRONS) SHALL BE CONSTRUCTED AS CURB AND GUTTER TYPE BV.12 THROUGH THE LIMITS OF THE CORNER AND THE CURB RAMPS.
14. ALTERATIONS SHALL NOT DECREASE THE ACCESSIBILITY TO EXISTING FACILITIES, SIDEWALKS LEADING TO EXISTING FACILITIES, OR DOOR OR GATE ACCESS POINTS TO FACILITIES. THE ELEVATION AT THE EXISTING PROPERTY LINE OR FACILITY ACCESS POINT SHALL BE MAINTAINED AT A MINIMUM. ANY ALTERATIONS ADJACENT TO OR AFFECTING A FACILITY ACCESS POINT SHALL RESULT IN IMPROVED ACCESS OR AT A MINIMUM A REPLICATION OF EXISTING CONDITIONS, INCLUDING SIDEWALK SLOPES AND SURFACE CONDITIONS. FACILITIES INCLUDE, BUT ARE NOT LIMITED TO PRIVATE BUSINESSES, PUBLIC BUILDINGS, RESIDENCES, BUS STOPS, PUBLIC BENCHES, PAY PHONES, AND PARKING METERS.
15. THE MINIMUM CROSSWALK WIDTH IS 6'-0". CROSSWALKS SHALL BE LOCATED AS SHOWN IN THE PLAN SHEETS DEPENDING ON THE TYPE OF CURB RAMP USED, BEYOND THE CURB FACE AT THE BASE OF CURB RAMPS, A CLEAR SPACE OF 4'-0" BY 4'-0" MINIMUM SHALL BE PROVIDED WITHIN THE STRIPES OF THE CROSSWALK (WHERE PROVIDED).
16. IF SIDEWALK AND ALLEY ARE AT THE SAME GRADE, A RAMP IS NOT REQUIRED. IF SIDEWALK AND DRIVEWAY ARE AT THE SAME GRADE, A RAMP IS NOT REQUIRED BUT DETECTABLE WARNING UNITS ARE STILL REQUIRED IF THE DRIVEWAY HAS TRAFFIC CONTROL DEVICES (I.E. TRAFFIC SIGNALS).
17. MAIN LINE SIDEWALK SHALL HAVE A MAXIMUM CROSS SLOPE NOT TO EXCEED 1:64 FOR THE FULL WIDTH OF WALK UNLESS OTHERWISE APPROVED BY THE COMMISSIONER. WHERE TURNING IS REQUIRED AND WHERE SIDEWALKS INTERSECT, THE SLOPE OF THE SIDEWALK SHALL NOT EXCEED 1:64 IN ANY DIRECTION.
18. MAIN LINE SIDEWALK RUNNING SLOPES SHALL NOT EXCEED 1:24 OR THE GENERAL GRADE ESTABLISHED FOR THE ADJACENT STREET, WHICH EVER IS HIGHER.
19. THERE SHALL BE NO VERTICAL LEVEL DIFFERENCES BETWEEN SURFACES GREATER THAN 1/4" ON THE MAIN LINE SIDEWALK. THERE SHALL BE NO HORIZONTAL GAPS OR OPENINGS GREATER THAN 1/2" ON THE MAIN LINE SIDEWALK.
20. WHERE OBSTRUCTIONS EXIST ON THE MAINLINE SIDEWALK, THE CLEAR WIDTH OF USEABLE SIDEWALK SHALL NOT BE LESS THAN 4'-0". OBSTRUCTIONS INCLUDE, BUT ARE NOT LIMITED TO SIDEWALK BENCHES, FIRE HYDRANTS, SIGNAL OR LIGHT POLES, NEWSPAPER DISPENSERS, TRASH RECEPTACLES, AND UTILITY PEDESTALS.
21. CURB RAMPS AND LANDING (KEYSTONE) TO BE CONSTRUCTED WITH 8" THICK CONCRETE AT ALL TRAFFIC SIGNALIZED INTERSECTIONS AND INDUSTRIAL STREET INTERSECTIONS. AT ALL OTHER LOCATIONS, 5" THICK CONCRETE TO BE USED.
22. DEPRESSED CURB, RAMP, OR SIDEWALK DESIGNS OR LAYOUTS SHALL MAINTAIN OR IMPROVE EXISTING DRAINAGE AND THE EXISTING INTERSECTION GEOMETRY SHALL NOT BE MODIFIED WITHOUT CDOT APPROVAL.
23. ALL CONSTRUCTION DOCUMENTS MUST BE STAMPED BY A LICENSED ARCHITECT/LANDSCAPE ARCHITECT/ENGINEER TO CERTIFY THAT THEY ARE IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA) AND ALL CODES AND BUILDING ORDINANCES OF THE CITY OF CHICAGO AND THE STATE OF ILLINOIS.
24. NO DEVIATIONS FROM THESE STANDARDS ARE ALLOWED WITHOUT WRITTEN APPROVAL FROM THE COMMISSIONER.

 City of Chicago Rahm Emanuel, Mayor Department of Transportation Division of Engineering www.cityofchicago.org	DATE	REVISION	CITY OF CHICAGO GENERAL NOTES (CONTINUED) SHEET B-3-3	SCALE: NOT TO SCALE DATE: 10/23/2006	DRAWN BY: CDOT CHECKED BY: GK
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	11/15/07	REVISION 2			
	11/14/08	REVISION 3			
	11/02/09	REVISION 4			
	08/10/12	REVISION 5			
01/01/14	REVISION 6				

**ADA COMPLIANCE AND TRANSITION GUIDELINES**

POLICY STATEMENT: ANY ALTERATION OF THE PUBLIC WAY MUST BE RESTORED IN AN ADA COMPLIANT MANNER

**I. STREET/ALLEY RESTORATION**

FOR ANY PROJECT WHERE, WITHIN THE PROJECT LIMITS, A CROSSWALK IS ENCOUNTERED OR WHERE THE PROJECT LIMITS TERMINATE WITHIN 4' OR LESS OF A CROSSWALK, THOSE CROSSWALKS AND THE ASSOCIATED CURB RAMPS MUST BE IMPROVED TO CURRENT ADA STANDARDS IF THEY ARE NOT COMPLIANT (SEE APPENDIX A.)

WHEN A PROJECT CALLS FOR ONLY AN INTERSECTION TO BE REPAVED, THE INTERSECTION LIMITS AS DEFINED BY THE AREA OUTLINED BY OUTERMOST CROSSWALK LINES AND ADJACENT CURB FACES AND ALL ADJOINING CROSSWALKS AND CURB RAMPS MUST BE IMPROVED TO CURRENT ADA STANDARDS IF THEY ARE NOT COMPLIANT (SEE APPENDIX A).

WHEN WORK IS LIMITED TO A SINGLE CORNER OF AN INTERSECTION, THE CURB RAMP MUST BE IMPROVED TO CURRENT ADA STANDARDS AND THE ADJACENT PAVEMENT MUST BE RESURFACED, AS NECESSARY TO PROVIDE FOR A FLUSH TRANSITION (SEE APPENDIX A).

WHEN ADA WORK IS LIMITED TO A SINGLE CORNER OF AN INTERSECTION, THE ADJACENT PAVEMENT MUST BE RESTORED TO THE 1/4-POINT OF THE ROADWAY.

FOR ANY CONSTRUCTION WHERE, WITHIN THE PROJECT LIMITS, AN ALLEY APRON IS ENCOUNTERED, THE ASSOCIATED CURB RAMPS, ALLEY APRON, AND SIDEWALKS MUST BE IMPROVED TO CURRENT ADA STANDARDS IF THEY ARE NOT COMPLIANT (SEE APPENDIX A).

**II. SIDEWALK INSTALLATION / REPAIRS / RECONSTRUCTION**

THE LIMITS OF ANY MAINLINE SIDEWALK REPLACEMENT, GREATER THAN TEN FEET (10') IN LENGTH, THAT ABUT AN EXISTING RAMP, KEYSTONE, TRANSITION PANEL, AND/OR LANDING AREA (THIS TOTAL LENGTH INCLUDES THE PRIOR ELEMENTS), SHALL BE EXTENDED TO INCLUDE THE AFFECTED RAMPS AND THESE RAMPS SHALL BE RECONSTRUCTED TO CURRENT ADA STANDARDS. IN ADDITION, ALL NEWLY PLACED SIDEWALK TEN FEET (10') OR MORE IN LENGTH SHALL BE CONSTRUCTED IN ACCORDANCE WITH ALL CURRENT APPLICABLE STANDARDS WHICH INCLUDE PROVIDING A MINIMUM FOUR FEET (4') WIDTH ACCESSIBLE PATHWAY WITH A CROSS SLOPE NOT TO EXCEED 1:64 (SEE APPENDIX A).

**III. GUIDELINES FOR TRANSITIONING TO EXISTING NON-COMPLIANT CONDITION**

**NEW SIDEWALK PLACEMENTS GREATER THAN TEN FEET IN CONTIGUOUS LENGTH:**

THE LIMITS OF ANY MAINLINE SIDEWALK REPLACEMENT, GREATER THAN TEN FEET (10') IN LENGTH, MUST BE EXTENDED FOR A MINIMUM FIVE ADDITIONAL FEET (5') EITHER SIDE IN ORDER TO PROVIDE A TRANSITION TO MATCH THE EXISTING SIDEWALK. THE LENGTH OF TRANSITION SHALL BE LENGTHENED AS NECESSARY TO ENSURE THAT THE RUNNING SLOPE OF THE TRANSITION DOES NOT EXCEED A SLOPE OF 1:24 (PREFERRED) OR 1:14 (MAXIMUM) AT ANY POINT.


**NEW SIDEWALK REPLACEMENTS TEN FEET OR LESS IN CONTIGUOUS LENGTH (REPAIRS):**

IT IS ACCEPTABLE PRACTICE TO MATCH ADJACENT SIDEWALKS AT THE EXISTING SLOPE.

**CURB RAMP REPLACEMENTS**

WHEN REPLACING AN ADA RAMP, THE SIDEWALK REPLACEMENT MUST EXTEND BEYOND THE LIMITS OF THE LANDING AREA AND/OR THE "KEYSTONE" A MINIMUM OF AN ADDITIONAL FIVE FEET (5') ON EITHER SIDE IN ORDER TO PROVIDE A TRANSITION TO MATCH THE EXISTING SIDEWALK. THE TRANSITION PANEL SHALL BE LENGTHENED AS NECESSARY TO ENSURE THAT THE RUNNING SLOPE OF THE TRANSITION PANEL DOES NOT EXCEED A SLOPE OF 1:24 (PREFERRED) OR 1:14 (MAXIMUM) AT ANY POINT.

NO EXCEPTIONS TO THE ABOVE WILL BE ALLOWED WITHOUT WRITTEN APPROVAL FROM THE COMMISSIONER.

 City of Chicago Rahm Emanuel, Mayor Department of Transportation Division of Engineering www.cityofchicago.org	DATE	REVISION	CITY OF CHICAGO ADA COMPLIANCE AND TRANSITION GUIDELINES SHEET B-3-4	SCALE: NOT TO SCALE DATE: 10/23/2006	DRAWN BY: CDOT CHECKED BY: GK
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	11/15/07	REVISION 2			
	11/14/08	REVISION 3			
	11/02/09	REVISION 4			
	08/10/12	REVISION 5			
01/01/14	REVISION 6				



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PLOT DATE = 12/15/2016	DATE - 12/14/16	REVISED -

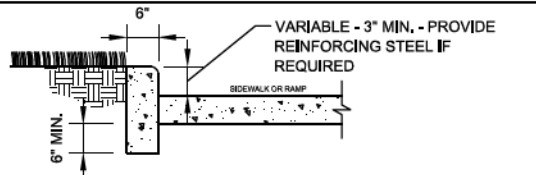
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CITY OF CHICAGO  
ADA STANDARDS**

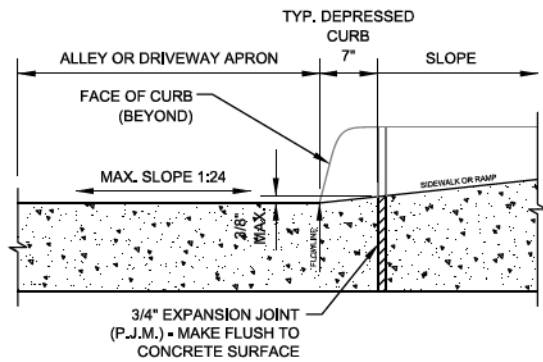
SCALE: N/A SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	166
				CONTRACT NO. 60X99
ILLINOIS FED. AID PROJECT				

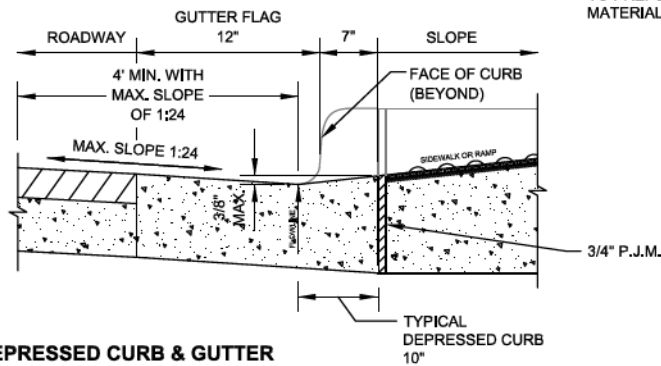
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**SIDE CURB - SECTION**



**DEPRESSED CURB & GUTTER AT ALLEY/DRIVEWAY APRON (TYPE 4 OR B CURB)**



**DEPRESSED CURB & GUTTER AT BOTTOM OF TYPICAL CURB RAMP**

**NOTES FOR CURB & GUTTER DETAILS THIS SHEET:**

A. CROSS SLOPE AT DEPRESSED CURB & GUTTER NOT TO EXCEED 1:64.

B. DETECTABLE WARNING SURFACE AT DRIVEWAYS REQUIRED ONLY FOR COMMERCIAL DRIVEWAYS WITH TRAFFIC CONTROL DEVICES, I.E. SIGNALS.

C. REFER TO REGULATIONS FOR OPENINGS, CONSTRUCTION AND REPAIR IN THE PUBLIC WAY (CDOT) FOR ADDITIONAL REQUIREMENTS FOR CURB AND GUTTER INSTALLATION.

D. RAMP SIDE FLARES SHALL BE INSTALLED AT ANY LOCATION WHERE THE SURFACE ADJACENT TO THE RAMP SURFACE IS INTENDED FOR PEDESTRIAN USE. TRIPPING HAZARDS, INCLUDING STEPS, DROP-OFFS, OR SIDE CURBS SHALL NOT BE LOCATED WITHIN THE LIMITS OF THE SIDEWALK.

E. 'P.J.M.' THIS SHEET REFERS TO PREFORMED JOINT MATERIAL.



DATE	REVISION
02/20/07	REVISION 1
11/15/07	REVISION 2
11/14/08	REVISION 3
11/02/09	REVISION 4
08/10/12	REVISION 5

**CITY OF CHICAGO CURB & GUTTER DETAILS SHEET B-4-3**

SCALE: NOT TO SCALE  
DATE: 10/23/2006

DRAWN BY: CDOT  
CHECKED BY: LCM



DI60X99-sht-CDOT-ADA-04  
USER NAME = mkwilson  
PLOT SCALE = 2.0000' / in.  
PLOT DATE = 12/15/2016

DESIGNED - OPS  
DRAWN - OPS  
CHECKED - DBM  
DATE - 12/14/16

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**CITY OF CHICAGO ADA STANDARDS**

SCALE: N/A SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	167
CONTRACT NO. 60X99				
ILLINOIS FED. AID PROJECT				

**PAVEMENT MARKING SCHEDULE**

LOCATION	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	POLYUREA PAVEMENT MARKING - LETTERS AND SYMBOLS	POLYUREA PAVEMENT MARKING - LINE 4"	POLYUREA PAVEMENT MARKING - LINE 8"	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	REPLACEMENT REFLECTOR	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	EACH	EACH
VAN BUREN STREET	55	501	177	148	165	1,105	541							
RAMP SW									1,483		1,986			
SB I-90/84								78	3,188	877	1,376	1,051	106	106
NB I-90/94									2,775	741	319	99	199	199
RAMP EN									1,014		421	28		
RAMP WN									1,547		418			
TOTAL	55	501	177	148	165	1,105	541	78	10,008	1,618	4,519	1,178	305	305

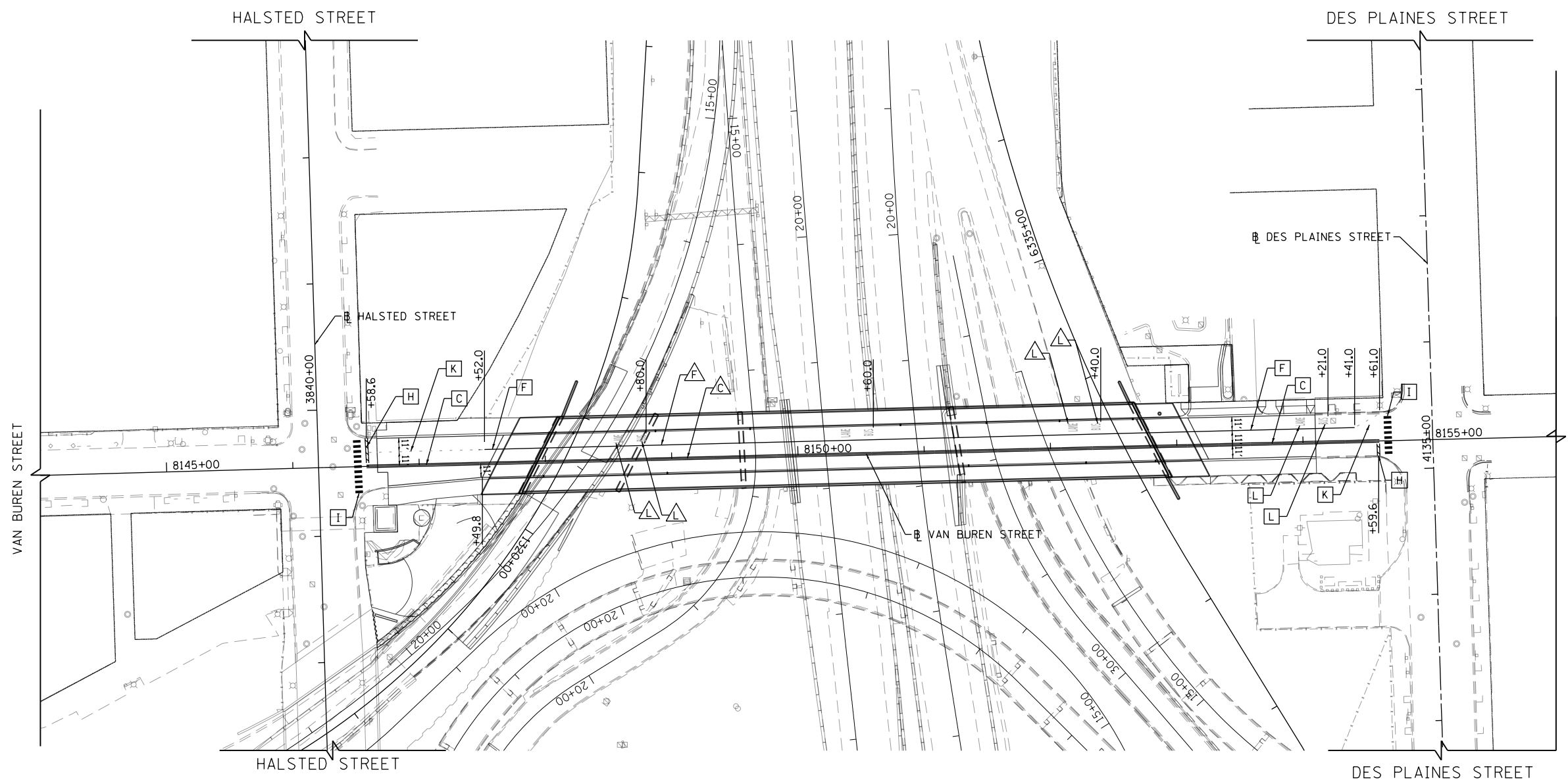
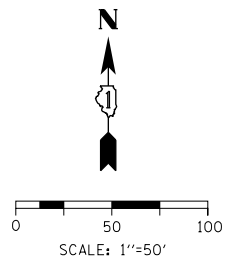
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DI60X99-sht-Pmk-Schedule.dgn	DESIGNED -	REVISED -
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PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/15/2016	DATE - 12/14/16	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PAVEMENT MARKING SCHEDULE</b>			
SCALE:	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	168
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X99	



**PAVEMENT MARKING NOTES**

1. ALL FINAL PAVEMENT MARKING MATERIALS PLACED ON PCC PAVEMENT SHALL BE POLYUREA TYPE I EXCEPT WHERE NOTED IN THE PLANS.
2. ALL FINAL PAVEMENT MARKING MATERIALS PLACED ON BITUMINOUS PAVEMENT SHALL BE THERMOPLASTIC EXCEPT WHERE NOTED IN THE PLANS.
3. ALL FINAL PAVEMENT MARKING SYMBOLS SHALL BE OF SMALL SIZE. SEE IDOT STANDARD 780001-05 FOR DETAILS.
4. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE OF THE IMPROVEMENT LIMITS SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
5. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RECORD AND RETAIN ALL EXISTING PAVEMENT MARKINGS AND MARKERS FOR FUTURE REFERENCE. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE DIRECTED BY THE ENGINEER.
6. THE RESIDENT ENGINEER SHALL CONTACT EXPRESSWAY FIELD ENGINEER AT 847-705-4153 A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
7. PROPOSED MARKINGS SHALL BE LAID OUT IN ORDER TO UTILIZE EXISTING RAISED REFLECTIVE MARKERS LOCATIONS. PROPOSED RAISED REFLECTIVE MARKER LOCATIONS ARE CALLED OUT IN THE PLANS ACCORDINGLY.
8. ALL REMOVED, DAMAGE, OR BROKEN RAISED REFLECTIVE MARKER REFLECTORS SHALL BE REPLACED AT THE DIRECTION OF THE RESIDENT ENGINEER AND PAID FOR AS REPLACEMENT REFLECTOR
9. SEE PAVEMENT MARKING DETAIL SHEETS FOR ADDITIONAL INFORMATION.
10. FOR ADDITIONAL DETAILS, SEE CITY OF CHICAGO TYPICAL PAVEMENT MARKINGS TC-11, TC-12, AND TC-24.
11. THE STATION OR OFFSET FOR STOP BAR LOCATIONS IS GIVEN AT THE MIDDLE OF THE STOP BAR.
12. A MINIMUM DISTANCE OF 4 FEET SHALL BE MAINTAINED BETWEEN THE EDGE OF THE CROSSWALK AND THE EDGE OF THE STOP BAR CLOSEST TO IT UNLESS OTHERWISE NOTED IN THE PLANS.
13. STATIONS AND OFFSETS ARE FROM THE BASELINE ALONG WHICH THE POINT LIES.

**LEGEND**

PAVEMENT MARKING MATERIAL	PAVEMENT MARKING TYPE
○ MODIFIED URETHANE PAVEMENT MARKING	A - 4" WHITE EDGE LINE
□ THERMOPLASTIC PAVEMENT MARKING	B - 4" YELLOW EDGE LINE
△ POLYUREA PAVEMENT MARKING TYPE I	C - 4" DOUBLE YELLOW LINE (8" C-C)
	D - 4" WHITE LINE (6' DASH, 18' SKIP)
	E - 5" WHITE (10' DASH, 30' SKIP)
	F - 8" WHITE EDGE LINE
	G - 12" WHITE CHEVRONS SPACED @ 30' CENTERS
	H - 24" WHITE STOP BAR
	I - 24" WHITE CROSSWALK, 6' WIDTH, SPACED @ 4' CENTERS
	J - 8" WHITE (3' DASH, 9' SKIP)
	K - 8" WHITE (2' DASH, 6' SKIP)
	L - WHITE LETTERS AND SYMBOLS

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PLOT DATE = 12/15/2016	DATE - 12/14/16	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

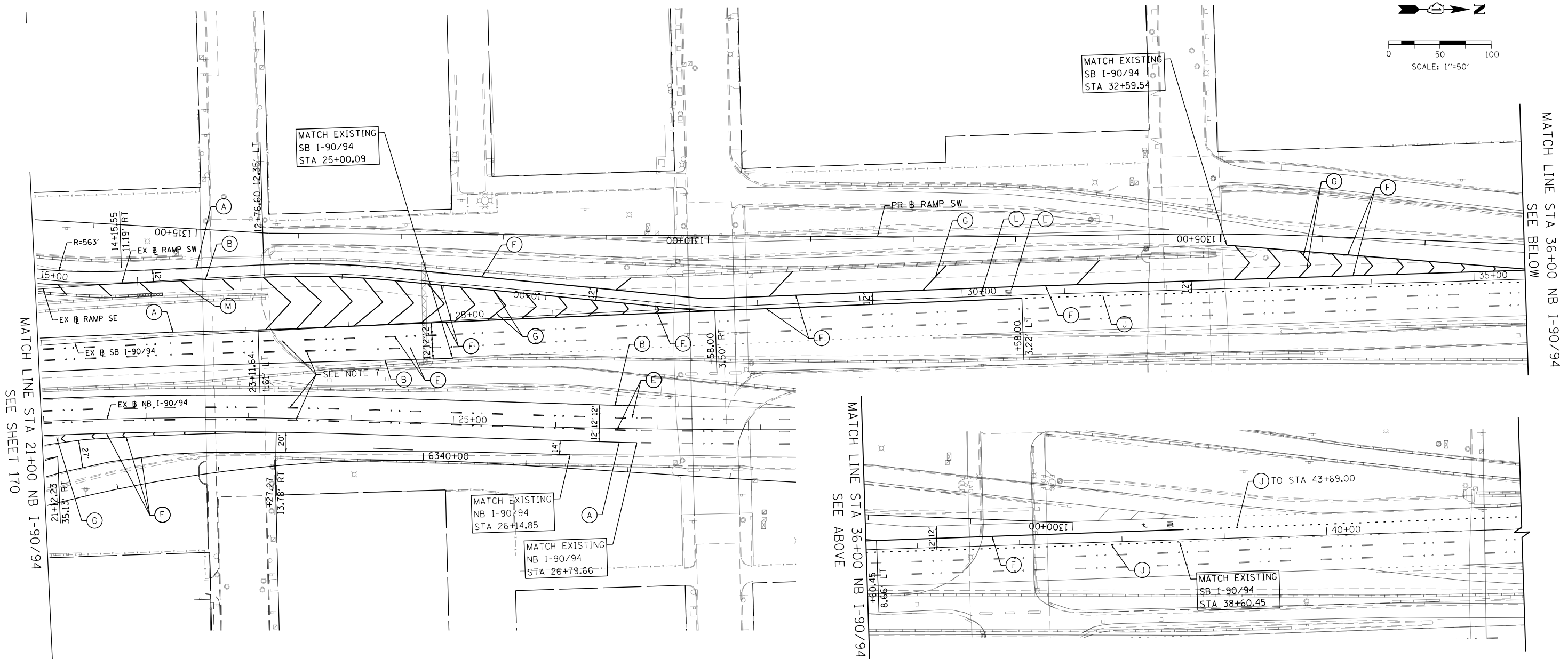
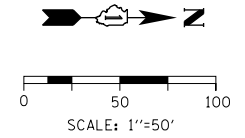
**PAVEMENT MARKING PLAN  
VAN BUREN STREET**

SCALE: 1"=50' SHEET 1 OF 3 SHEETS STA. 8144+00 TO STA. 8156+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	169
CONTRACT NO. 60X99			ILLINOIS FED. AID PROJECT	







**PAVEMENT MARKING NOTES**

1. ALL FINAL PAVEMENT MARKING MATERIALS PLACED ON PCC PAVEMENT SHALL BE POLYUREA TYPE I EXCEPT WHERE NOTED IN THE PLANS.
2. ALL FINAL PAVEMENT MARKING MATERIALS PLACED ON BITUMINOUS PAVEMENT SHALL BE THERMOPLASTIC EXCEPT WHERE NOTED IN THE PLANS.
3. ALL FINAL PAVEMENT MARKING SYMBOLS SHALL BE OF SMALL SIZE. SEE IDOT STANDARD 780001-05 FOR DETAILS.
4. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE OF THE IMPROVEMENT LIMITS SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
5. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RECORD AND RETAIN ALL EXISTING PAVEMENT MARKINGS AND MARKERS FOR FUTURE REFERENCE. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE DIRECTED BY THE ENGINEER.
6. THE RESIDENT ENGINEER SHALL CONTACT EXPRESSWAY FIELD ENGINEER AT 847-705-4153 A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
7. PROPOSED MARKINGS SHALL BE LAID OUT IN ORDER TO UTILIZE EXISTING RAISED REFLECTIVE MARKERS LOCATIONS. PROPOSED RAISED REFLECTIVE MARKER LOCATIONS ARE CALLED OUT IN THE PLANS ACCORDINGLY.
8. ALL REMOVED, DAMAGE, OR BROKEN RAISED REFLECTIVE MARKER REFLECTORS SHALL BE REPLACED AT THE DIRECTION OF THE RESIDENT ENGINEER AND PAID FOR AS REPLACEMENT REFLECTOR
9. SEE PAVEMENT MARKING DETAIL SHEETS FOR ADDITIONAL INFORMATION.
10. TEMPORARY PAVEMENT MARKINGS SHALL BE INSTALLED FOR AN INTERIM PERIOD FOLLOWING COMPLETION OF THE ROADWAY'S CONCRETE BASE, PRIOR TO THE PLACEMENT OF FINAL ASPHALT SURFACE PER THE DIRECTION OF THE ENGINEER. TEMPORARY CROSSWALK MARKINGS MAY BE PLACED WITH TWO 6-INCH LINES IN PLACE OF THE CONTINENTAL STYLE DURING THE INTERIM PERIOD.
11. FOR ADDITIONAL DETAILS, SEE CITY OF CHICAGO TYPICAL PAVEMENT MARKINGS TC-11, TC-12, AND TC-24.
12. THE STATION OR OFFSET FOR STOP BAR LOCATIONS IS GIVEN AT THE MIDDLE OF THE STOP BAR.
13. A MINIMUM DISTANCE OF 4 FEET SHALL BE MAINTAINED BETWEEN THE EDGE OF THE CROSSWALK AND THE EDGE OF THE STOP BAR CLOSEST TO IT UNLESS OTHERWISE NOTED IN THE PLANS.
14. STATIONS AND OFFSETS ARE FROM THE BASELINE ALONG WHICH THE POINT LIES.

**LEGEND**

PAVEMENT MARKING MATERIAL	PAVEMENT MARKING TYPE
○ MODIFIED URETHANE PAVEMENT MARKING	A - 4" WHITE EDGE LINE
□ THERMOPLASTIC PAVEMENT MARKING	B - 4" YELLOW EDGE LINE
△ POLYUREA PAVEMENT MARKING TYPE I	C - 4" DOUBLE YELLOW LINE (8" C-C)
	D - 4" WHITE LINE (6' DASH, 18' SKIP)
	E - 5" WHITE (10' DASH, 30' SKIP)
	F - 8" WHITE EDGE LINE
	G - 12" WHITE CHEVRONS SPACED @ 30' CENTERS
	H - 24" WHITE STOP BAR
	I - 24" WHITE CROSSWALK, 6' WIDTH, SPACED @ 4' CENTERS
	J - 8" WHITE (3' DASH, 9' SKIP)
	K - 8" WHITE (2' DASH, 6' SKIP)
	L - WHITE LETTERS AND SYMBOLS
	M - 12" YELLOW 45° DIAGONALS SPACED @ 30' CENTERS

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PLOT DATE = 12/15/2016	DATE - 12/14/16	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

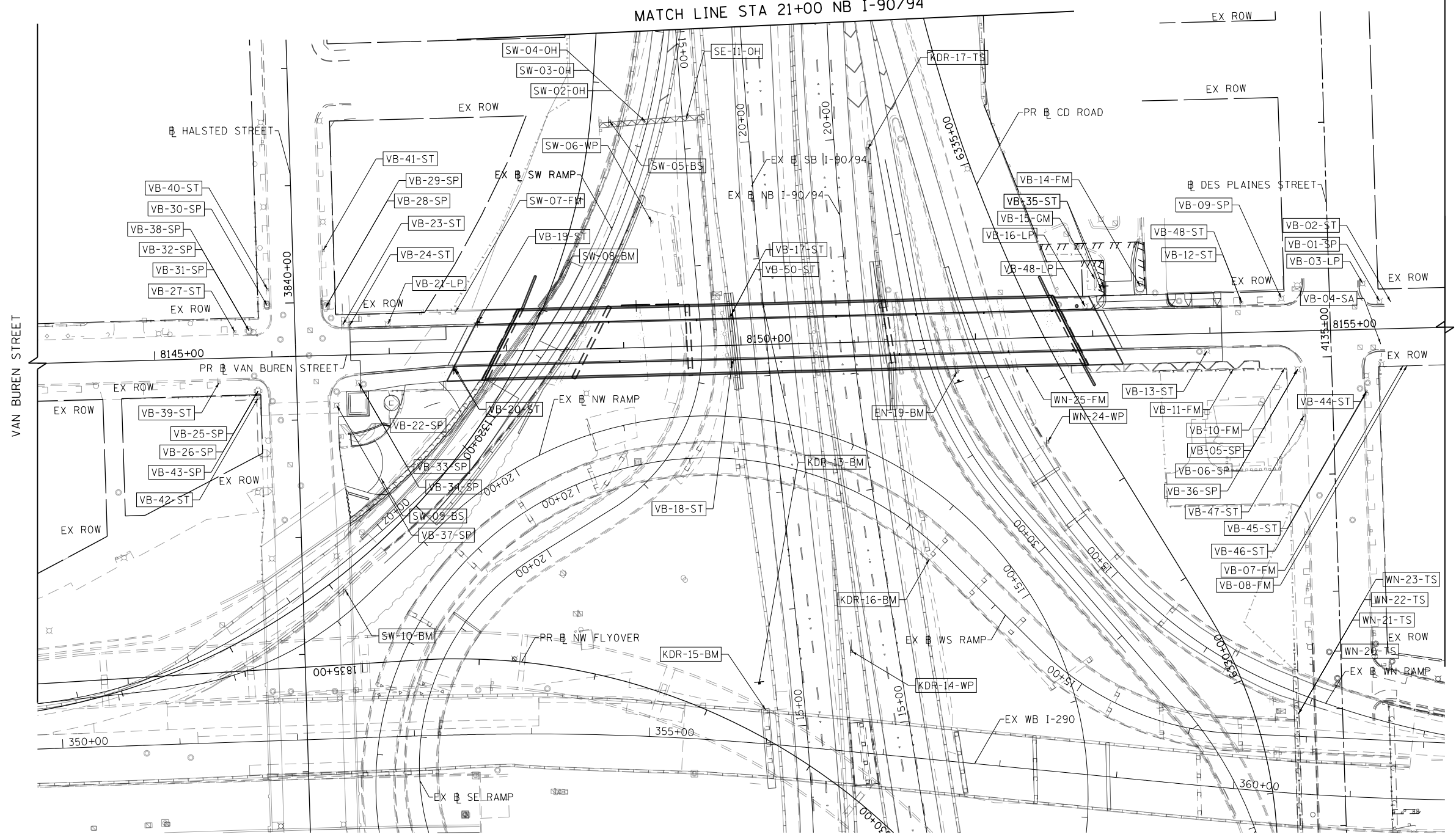
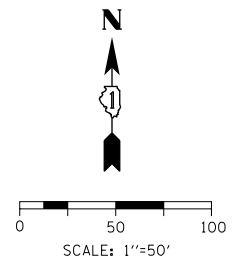
<b>PAVEMENT MARKING PLANS INTERSTATE AND RAMPS</b>			
SCALE: 1"=50'	SHEET 3	OF 3 SHEETS	STA. 20+00 TO STA. 33+00

F.A.I. RTE. 90/94/290	SECTION 2014-017B	COUNTY COOK	TOTAL SHEETS 442	SHEET NO. 171
CONTRACT NO. 60X99				
ILLINOIS FED. AID PROJECT				





SEE SHEET 174A  
MATCH LINE STA 21+00 NB I-90/94



**SIGN NUMBERING CODE – EXAMPLE**

DIRECTION OF TRAFFIC	MOUNTING TYPE
VB - VAN BUREN STREET	LP - LIGHT POLE BANDING
KDR - KENNEDY EXPRESSWAY I-90/94	ST - STEEL POST
SW - SOUTH WEST RAMP	SA - SIGNAL POLE MAST ARM
SE - SOUTH EAST RAMP	FM - FENCE MOUNTED
EN - EAST NORTH RAMP	GM - GROUND MOUNTED
WN - WEST NORTH RAMP	BM - BRIDGE MOUNTED
	BS - BREAKAWAY STEEL
	WP - WOOD POST
	OH - OVERHEAD
	TS - TELESCOPING STEEL
	SP - SIGNAL POLE BANDING

SIGN PANEL NUMBER

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D160X99-Sht-Sign-02.dgn
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PLOT DATE = 12/15/2016

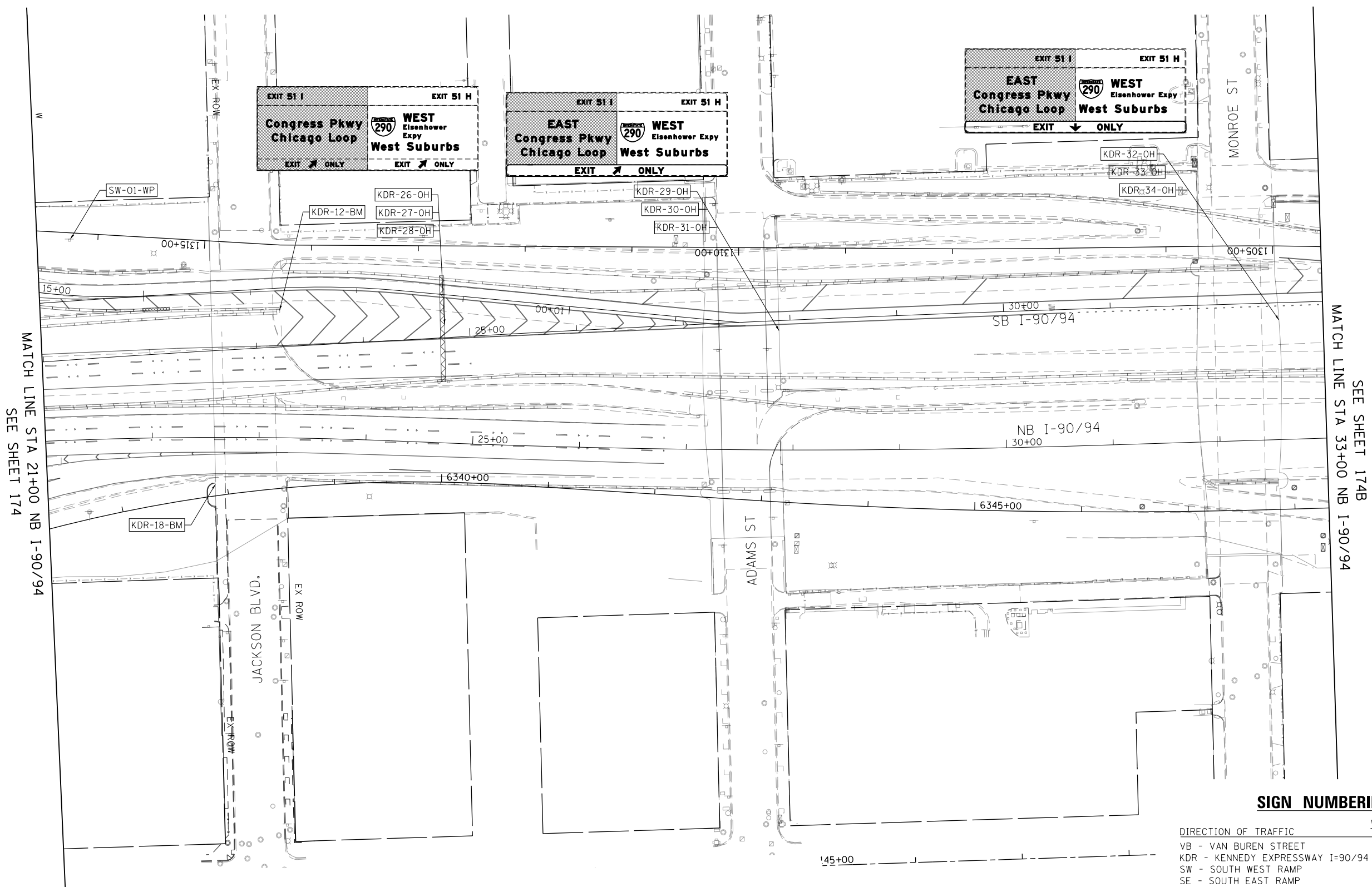
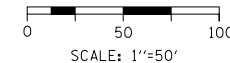
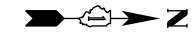
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DRAWN - CAT	REVISED -
CHECKED - JMG	REVISED -
DATE - 12/14/16	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN  
VAN BUREN STREET**

SCALE: 1"=50' SHEET 3 OF 5 SHEETS STA. 8144+00 TO STA. 8156+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	174
CONTRACT NO. 60X99				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA 21+00 NB I-90/94  
SEE SHEET 174

SEE SHEET 174B  
MATCH LINE STA 33+00 NB I-90/94

**SIGN NUMBERING CODE - EXAMPLE**

DIRECTION OF TRAFFIC	WN-03-LP	MOUNTING TYPE
VB - VAN BUREN STREET		LP - LIGHT POLE BANDING
KDR - KENNEDY EXPRESSWAY I-90/94		ST - STEEL POST
SW - SOUTH WEST RAMP		SA - SIGNAL POLE MAST ARM
SE - SOUTH EAST RAMP		FM - FENCE MOUNTED
EN - EAST NORTH RAMP		GM - GROUND MOUNTED
WN - WEST NORTH RAMP		BM - BRIDGE MOUNTED
		BS - BREAKAWAY STEEL
		WP - WOOD POST
		OH - OVERHEAD
		TS - TELESCOPING STEEL
		SP - SIGNAL POLE BANDING

SIGN PANEL NUMBER

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 PLOT DATE = 3/30/2017

DESIGNED - MKW  
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 CHECKED - JLV  
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REVISED -  
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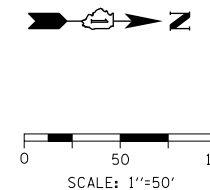
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN  
I-90/94**

SCALE: 1"=50' SHEET 4 OF 5 SHEETS STA. 21+00 TO STA. 33+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	174A
				CONTRACT NO. 60X99

ILLINOIS FED. AID PROJECT



MATCH LINE STA 33+00 NB I-90/94  
SEE SHEET 174A

EXITS 51 F-G  
**EAST**    **WEST**  
**Jackson Blvd Adams St**  
 EXIT ONLY

EXITS 51 F-G  
**EAST**    **WEST**  
**Jackson Blvd Adams St**  
 RIGHT LANE EXIT ONLY

KDR-35-OH  
KDR-36-OH

KDR-37-OH  
KDR-38-OH

SB I-90/94

NB I-90/94

MADISON ST

WASHINGTON ST

**SIGN NUMBERING CODE – EXAMPLE**

DIRECTION OF TRAFFIC VB - VAN BUREN STREET KDR - KENNEDY EXPRESSWAY I=90/94 SW - SOUTH WEST RAMP SE - SOUTH EAST RAMP EN - EAST NORTH RAMP WN - WEST NORTH RAMP	WN-03-LP	MOUNTING TYPE LP - LIGHT POLE BANDING ST - STEEL POST SA - SIGNAL POLE MAST ARM FM - FENCE MOUNTED GM - GROUND MOUNTED BM - BRIDGE MOUNTED BS - BREAKAWAY STEEL WP - WOOD POST OH - OVERHEAD TS - TELESCOPING STEEL SP - SIGNAL POLE BANDING
SIGN PANEL NUMBER		

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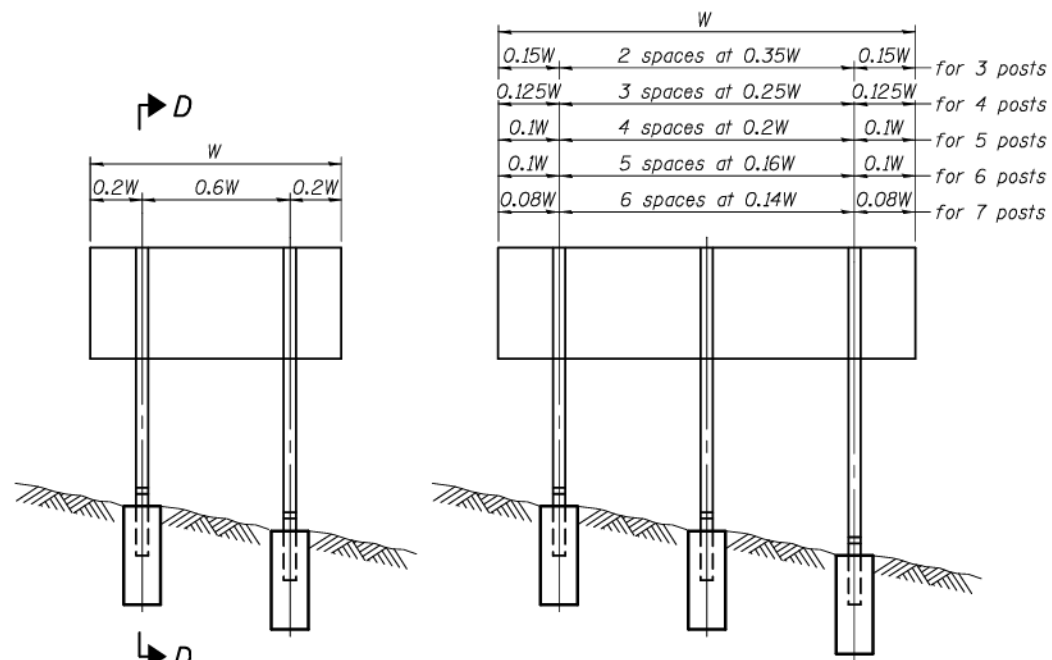
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DRAWN - BAW	REVISED -
CHECKED - JLV	REVISED -
DATE - 3/31/17	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN  
I-90/94**

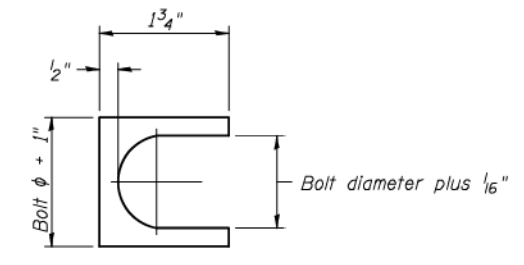
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	174B
CONTRACT NO. 60X99				
ILLINOIS FED. AID PROJECT				



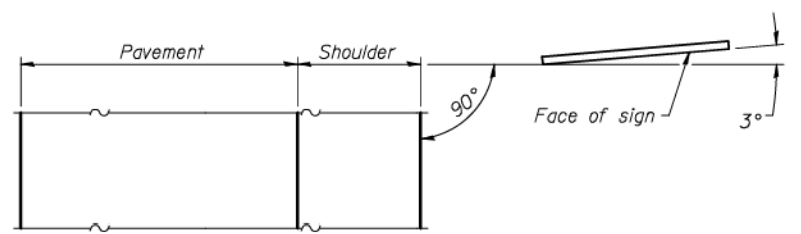
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0.125W	3 spaces at 0.25W	0.125W	for 4 posts
0.1W	4 spaces at 0.2W	0.1W	for 5 posts
0.1W	5 spaces at 0.16W	0.1W	for 6 posts
0.08W	6 spaces at 0.14W	0.08W	for 7 posts

**ELEVATION**

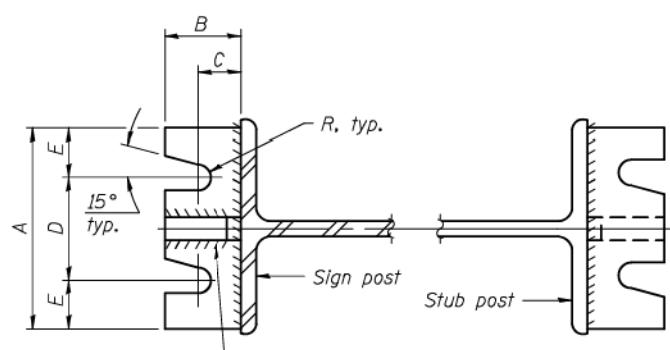


**SHIM DETAIL**

Furnish two 0.01" thick and two 0.03" thick stainless steel or brass (ASTM B36) shims per post.

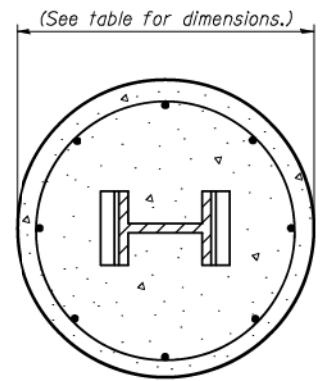


**LOCATION SKETCH**

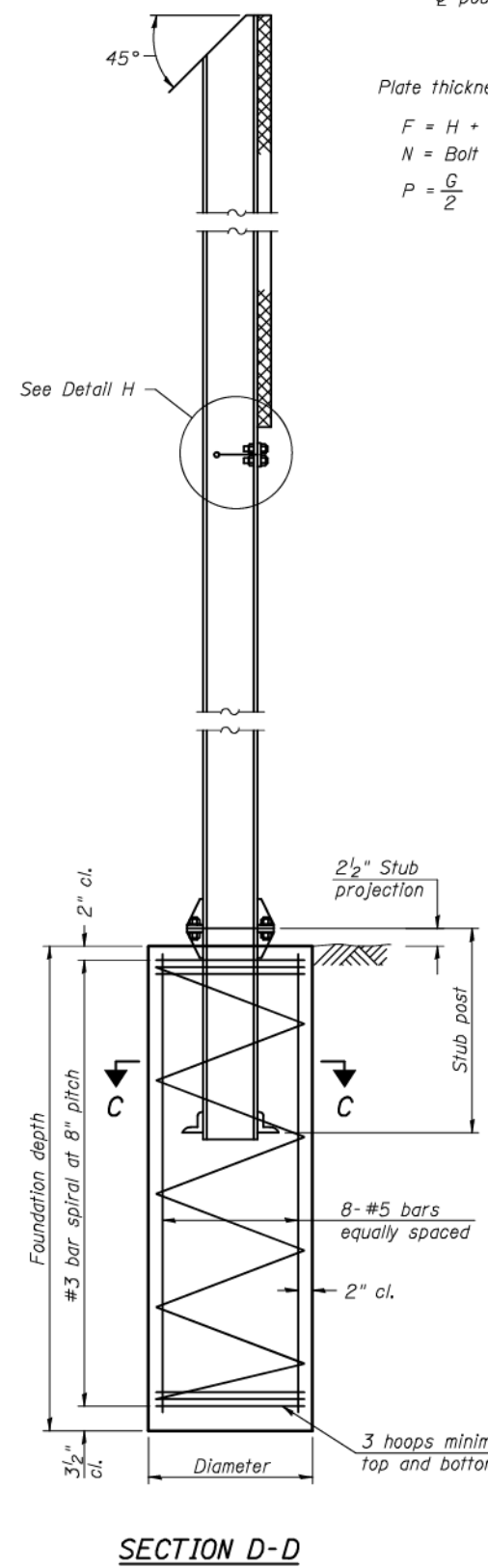


**SECTION A-A**

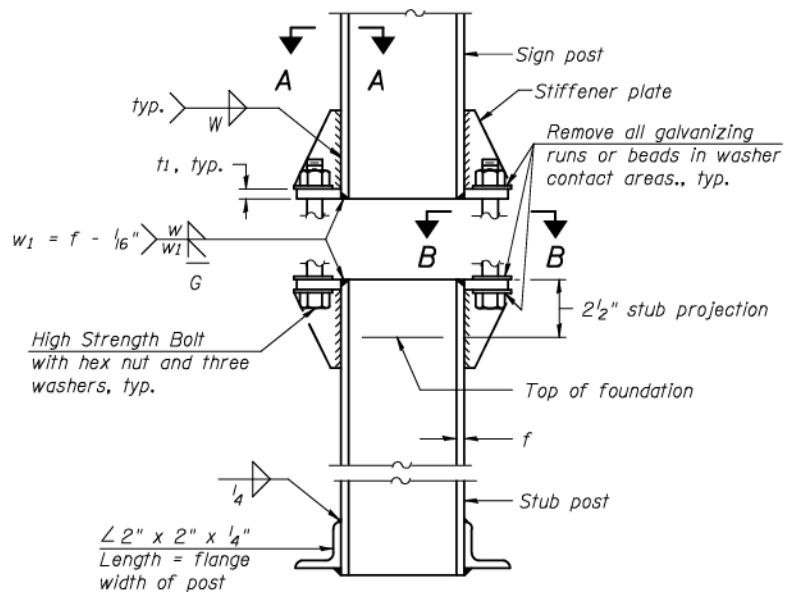
**SECTION B-B**



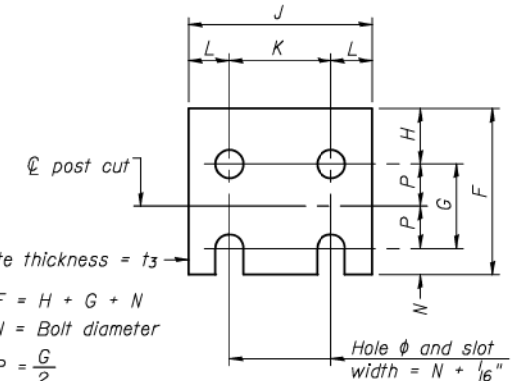
**SECTION C-C**



**SECTION D-D**



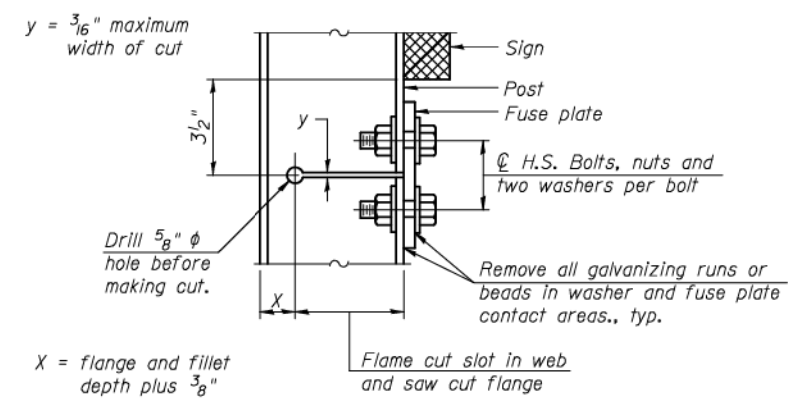
**ELEVATION SIGN POST & STUB POST**



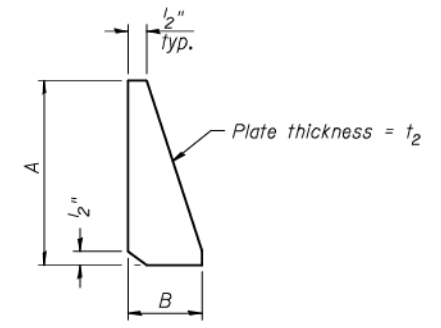
**FUSE PLATE DETAIL**  
(Install with notches down.)

$F = H + G + N$   
 $N = \text{Bolt diameter}$   
 $P = \frac{G}{2}$

N = Bolt Diameter	G	H
1/2"	2"	1 1/8"
5/8"	2 1/4"	1 1/4"
3/4"	2 1/2"	1 3/8"
7/8"	2 3/4"	1 1/2"
1"	3"	1 5/8"
1 1/8"	3 1/4"	1 3/4"
1 1/4"	3 1/2"	1 7/8"



**DETAIL H**



**STIFFENER PLATE DETAIL**  
Diameter

**GENERAL NOTES**

Posts shall be plumbed by using shims with post-to-stub connection bolts snug tight only. Final tightening of all High Strength Bolts shall be in accordance with Article 727.05 and threads at the junction of the bolt and nut shall be burred or center punched to prevent the nut from loosening.

LOADING: 80 m.p.h. wind with 30% gust factor, normal to sign.

DESIGN STRESSES:  
 Structural steel - 20,000 p.s.i.  
 Reinforcing steel - 20,000 p.s.i.  
 Concrete - 1,400 p.s.i.  
 Footing soil pressure - 2,000 p.s.f.

After fabrication, the post, fuse plate and upper 6", min. of the stub post shall be hot-dip galvanized in accordance with AASHTO M111. All bolts, nuts and washers shall be hot-dip galvanized in accordance with AASHTO M232.

Work this sheet with Base Sheet BAW-A-2.

BAW-A-1

6-1-12

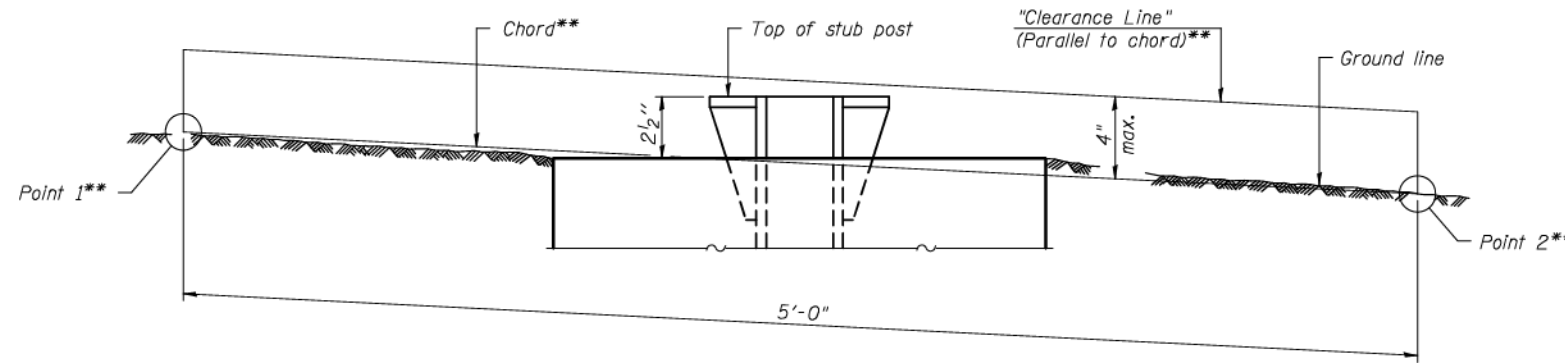
(Sheet 1 of 2)

FILE NAME =	USER NAME =	DESIGNED -	REVISIONS	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BREAK-AWAY WIDE FLANGE STEEL SIGN POST DETAILS</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE =	CHECKED -	REVISIONS					COOK	442	175	
	PLOT DATE =	DRAWN -	REVISIONS			CONTRACT NO. 60X99					
		CHECKED -	REVISIONS			ILLINOIS FED. AID PROJECT					

POST	CONCRETE FOUNDATION TABLE								POST TO STUB POST CONNECTION DATA								FUSE PLATE DATA					
	Foundation			Reinforcement			Stub Post Length	Bolt Size	A	B	C	D	E	t <sub>1</sub>	t <sub>2</sub>	R	W	J	K	L	t <sub>3</sub>	
	Diameter	* Minimum Depth	Concrete cu. yds. (1)	Vertical Bars Length	Bar Spirals Diameter	Bar Spirals Length																lbs. (2)
W6x9	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-3"	5/8" x 3/4"	6"	2 1/4"	1 1/4"	3/2"	1 1/4"	3/4"	1/2"	11/32"	1/4"	4"	2 1/4"	7/8"	1/4"
W6x15	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-6"	5/8" x 3/4"	6"	2 1/4"	1 1/4"	3/2"	1 1/4"	3/4"	1/2"	11/32"	1/4"	6"	3 1/2"	1 1/4"	3/8"
W8x18	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-6"	3/4" x 3/4"	6"	2 1/2"	1 3/8"	3/4"	1 3/8"	1"	1/2"	13/32"	5/16"	5 1/4"	2 3/4"	1 1/4"	3/8"
W10x22	2'-6"	6'-6"	1.18	6'-3"	2'-2 1/2"	105'-0"	92	3'-0"	3/4" x 3/4"	6"	2 1/2"	1 3/8"	3/4"	1 3/8"	1"	1/2"	13/32"	5/16"	5 3/4"	2 3/4"	1 1/2"	1/2"
W10x26	2'-6"	7'-0"	1.27	6'-9"	2'-2 1/2"	112'-0"	98	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	5/32"	3/8"	5 3/4"	2 3/4"	1 1/2"	5/8"
W12x26	2'-6"	7'-9"	1.41	7'-6"	2'-2 1/2"	119'-0"	107	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	5/32"	3/8"	6 1/2"	3 1/2"	1 1/2"	5/8"
W14x30	3'-0"	7'-3"	1.90	7'-0"	2'-8 1/2"	145'-0"	113	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	5/32"	3/8"	6 3/4"	3 1/2"	1 5/8"	1/2"
W14x38	3'-0"	8'-0"	2.09	7'-9"	2'-8 1/2"	153'-0"	122	3'-6"	1" x 4 1/2"	7 1/2"	3"	1 3/4"	4"	1 3/4"	1 1/4"	3/4"	17/32"	3/8"	6 3/4"	3 1/2"	1 5/8"	1/2"
W16x45	3'-0"	8'-6"	2.23	8'-3"	2'-8 1/2"	162'-0"	130	3'-6"	1" x 4 1/2"	7 1/2"	3"	1 3/4"	4"	1 3/4"	1 1/4"	3/4"	17/32"	3/8"	7"	3 1/2"	1 3/4"	1/2"

\*Dimensional changes required for varying site conditions shall be approved by the Engineer.

POST	FUSE PLATE BOLT SIZE																				
	Sign Height																				
	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	11'-0"	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"	22'-0"	23'-0"	24'-0"
W6x9	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W6x15	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	5/8" x 2"	5/8" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	---	---	---	---	---	---	---	---	---	---	---	---
W8x18	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	5/8" x 2"	5/8" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	---	---	---	---	---	---	---	---	---	---	---
W10x22	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2"	5/8" x 2"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	---	---	---	---	---	---	---	
W10x26	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	---	---	---	---	---	---	
W12x26	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	---	---	---	---	---	
W14x30	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2"	5/8" x 2"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	---	---	---	---	
W14x38	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	7/8" x 2 1/2"	7/8" x 2 1/2"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"
W16x45	---	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	7/8" x 2 1/2"	7/8" x 2 1/2"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"



**ELEVATION**  
**GROUND LINE & STUB POST**

\*\* For all "Point 1" and "Point 2" locations, "Clearance Line" must be at or above top of stub post.

- (1) Quantity includes all concrete necessary for one foundation.
- (2) Includes reinforcement bars and spiral hooping for one foundation.

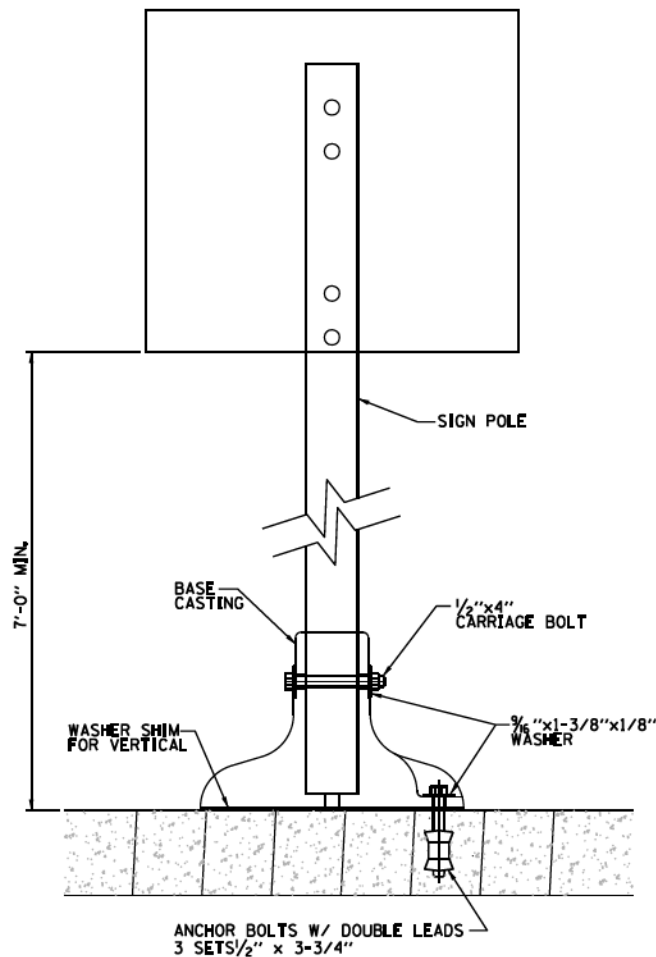
BAW-A-2

6-1-12

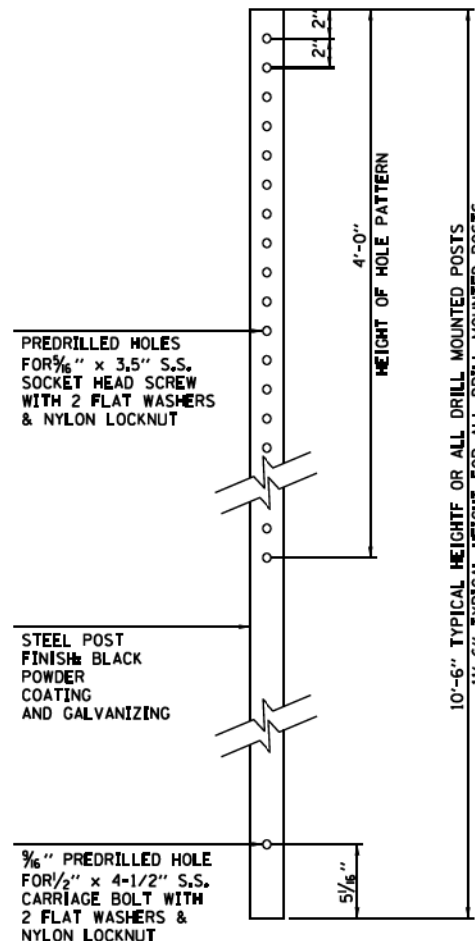
(Sheet 2 of 2)

FILE NAME =	USER NAME =	DESIGNED -	REVISED	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BREAK-AWAY WIDE FLANGE STEEL SIGN POST TABLES</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED -	REVISED					COOK	442	176	
PLOT SCALE =		DRAWN -	REVISED			SCALE: NONE	SHEET NO. 2 OF 5 SHEETS	CONTRACT NO. 60X99			
PLOT DATE =		CHECKED -	REVISED			ILLINOIS FED. AID PROJECT					

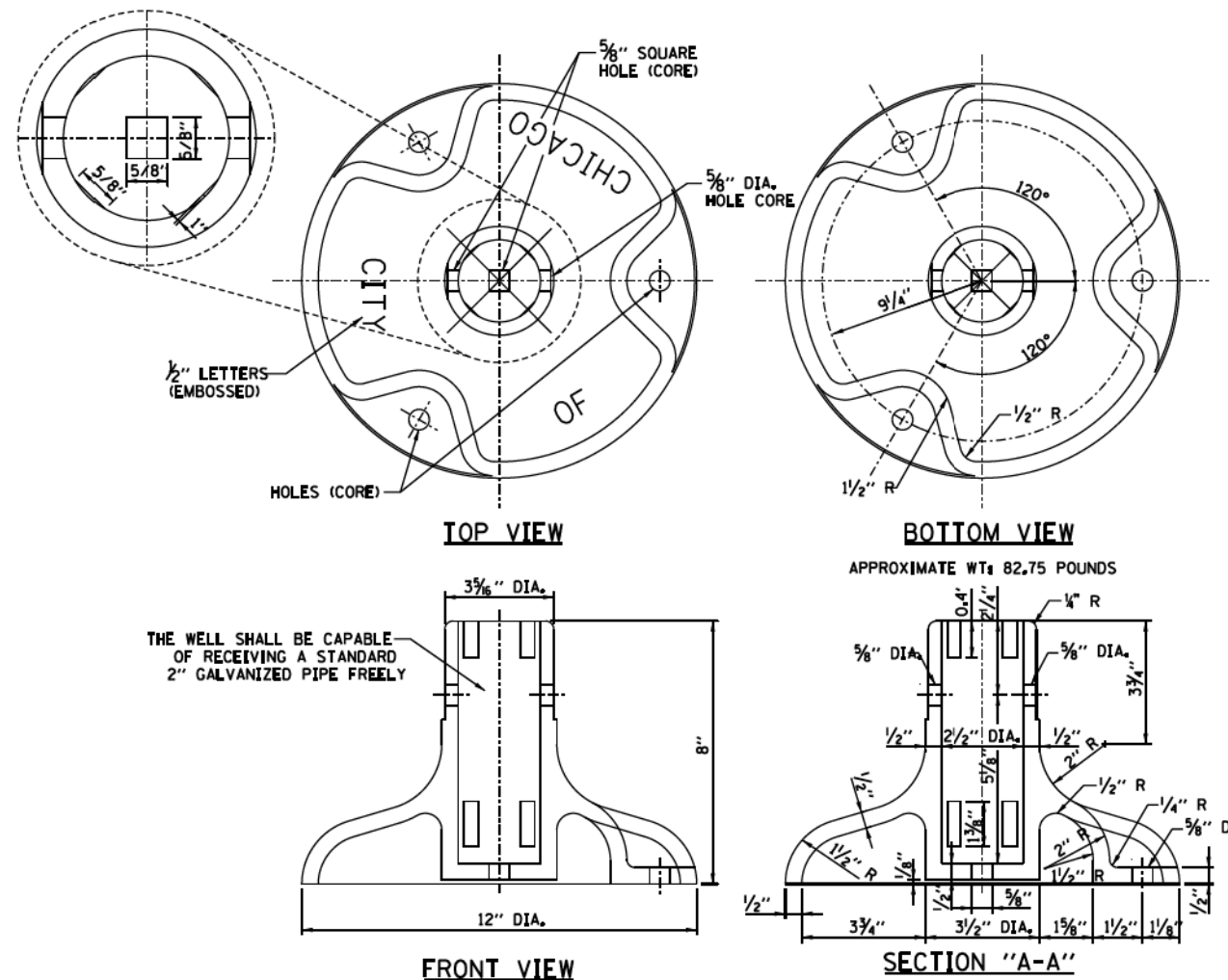




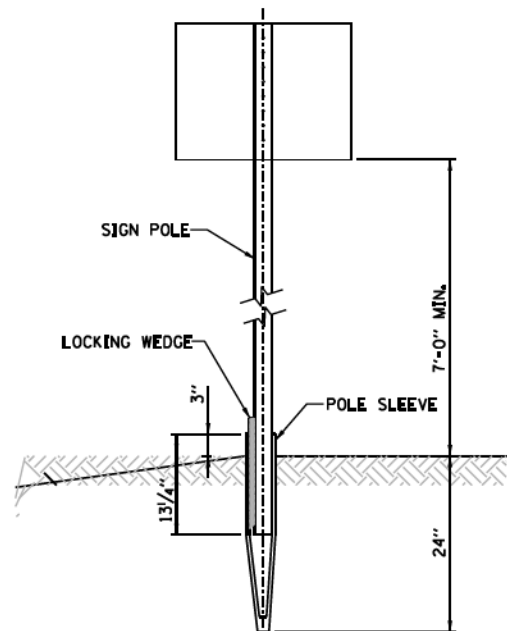
**DRILL MOUNTED INSTALLATION DETAIL**  
NOT TO SCALE



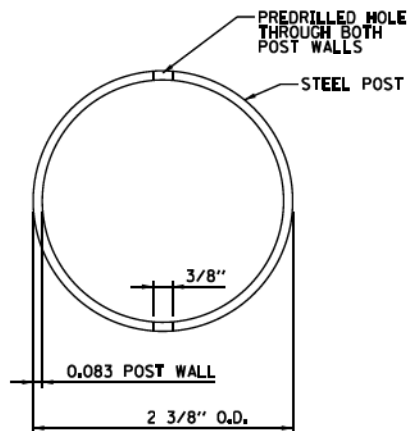
**1 ELEVATION: DRILLED SIGN POST**  
NOT TO SCALE



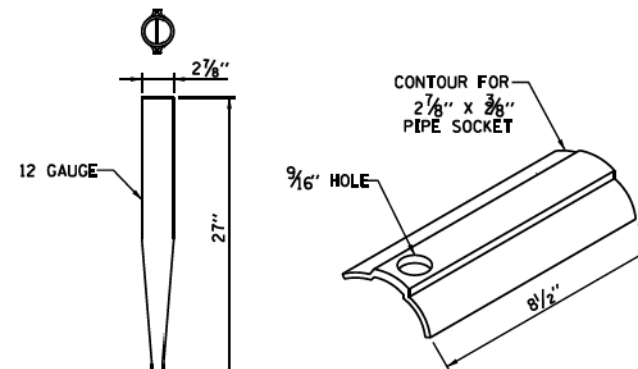
**SIGN POLE BASE DETAIL**  
NOT TO SCALE



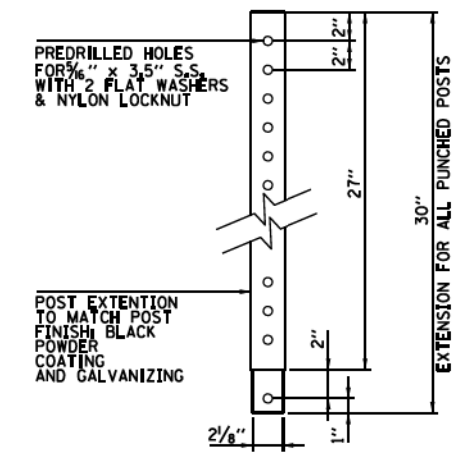
**GROUND DIG INSTALLATION DETAIL**  
NOT TO SCALE



**2 ELEVATION: DRILLED POST**  
NOT TO SCALE



**PIPE SOCKET AND WEDGE DETAIL**  
NOT TO SCALE



**SECTION: DRILLED POST EXTENSION**  
NOT TO SCALE

**NOTE:**  
PROVIDE ADDITIONAL TWO SETS OF PREDRILLED HOLES ON EXTENSION. HOLES SHALL BE LOCATED AT 30° ANGLE TO HOLES SHOWN IN SECTION 3. HOLES SHALL ACCOMMODATE 3/8\"/>

FILE PATH = p:\617479-P\INT\ascomon\line\local\IACOM\DS02\_MN\Documents\01\_Americas\Transportation\60269938\_Circle\Phase\_11\000\_CAD\006\_Roadway\Sheets\60X99\_Contract\0160X99-sht-Sign-Det-15.dgn

D160X99-sht-Sign-Det-15.dgn	DESIGNED - JDT	REVISED -
USER NAME = mkwilson	DRAWN - BAW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JMG	REVISED -
PLOT DATE = 12/15/2016	DATE - 12/14/16	REVISED -

DESIGNED - JDT	REVISED -
DRAWN - BAW	REVISED -
CHECKED - JMG	REVISED -
DATE - 12/14/16	REVISED -

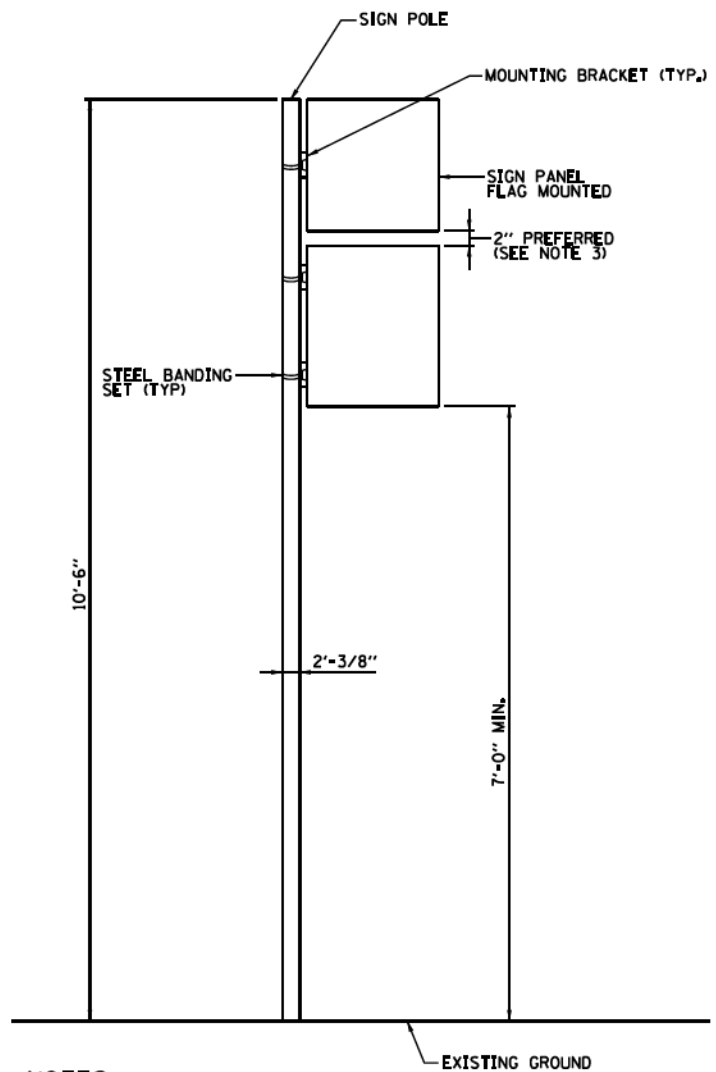
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIGNING DETAILS**

SCALE: NONE SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	177
CONTRACT NO. 60X99			ILLINOIS FED. AID PROJECT	

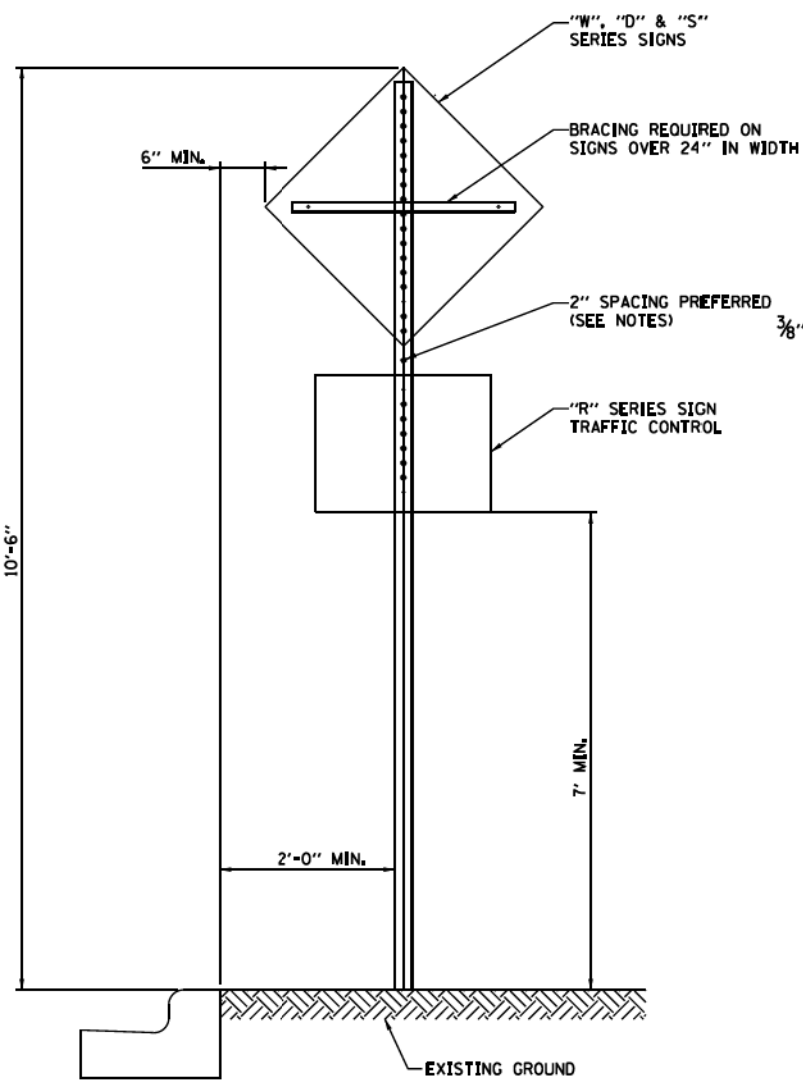
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**NOTES:**

1. PROVIDE ONE MOUNTING BRACKET FOR SIGNS 18" AND UNDER.
2. PROVIDE TWO MOUNTING BRACKETS FOR SIGNS OVER 18".
3. REDUCE SPACING IF REQUIRED TO MAINTAIN MIN. 7'-0" CLEARANCE TO BOTTOM OF SIGN.
4. FLAG MOUNT SIGNS TOWARD SIDEWALK ALONG ARTERIAL STREETS.
5. FLAG MOUNT ALL PARKING REGULATIONS SIGNS.

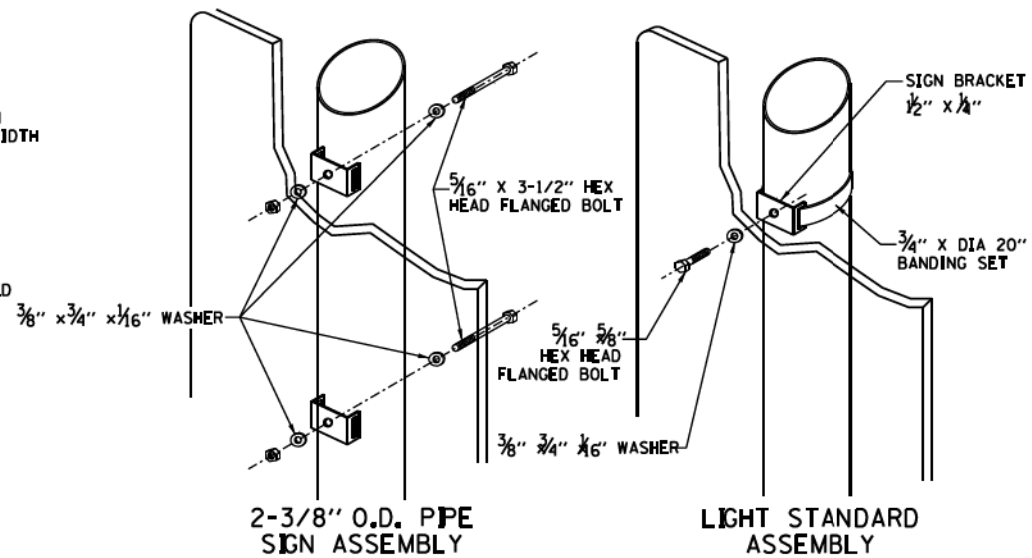
**FLAG MOUNTED SIGN INSTALLATION DETAIL**  
NOT TO SCALE



**NOTE:**

2" SPACING MAY BE REDUCED IF REQUIRED TO MAINTAIN MIN. 7'-0" CLEARANCE TO BASE OF SIGN.

**CENTER MOUNTED SIGN INSTALLATION**  
NOT TO SCALE



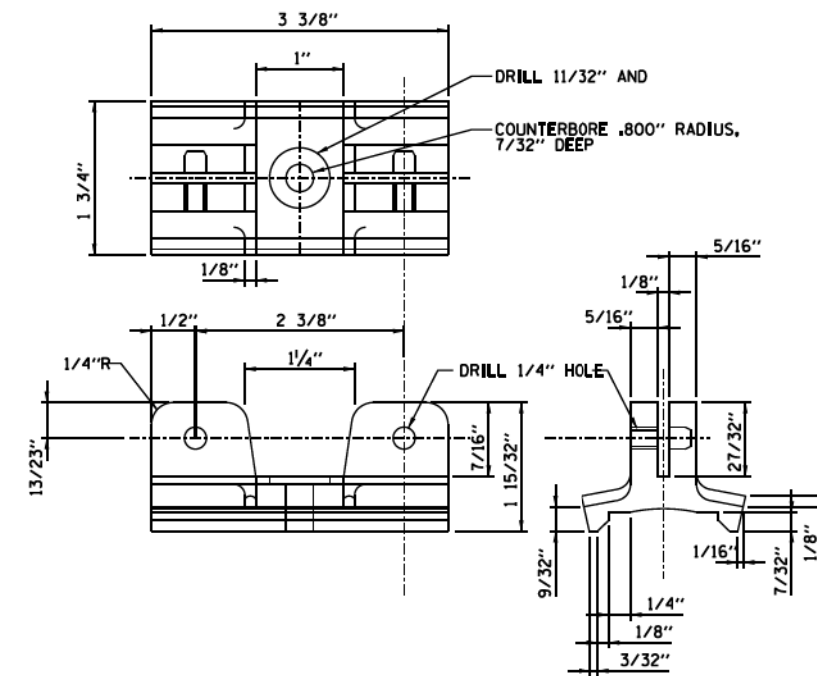
**NOTE:**

SIGN INSTALLATION STARTS AT 10'-6". PROVIDE MINIMUM 7'-0" CLEARANCE BETWEEN GROUND AND BOTTOM OF SIGN. RAISE INITIAL INSTALLATION HEIGHT IF REQ'D TO MAINTAIN 7' CLEAR.

**REQUIREMENT**

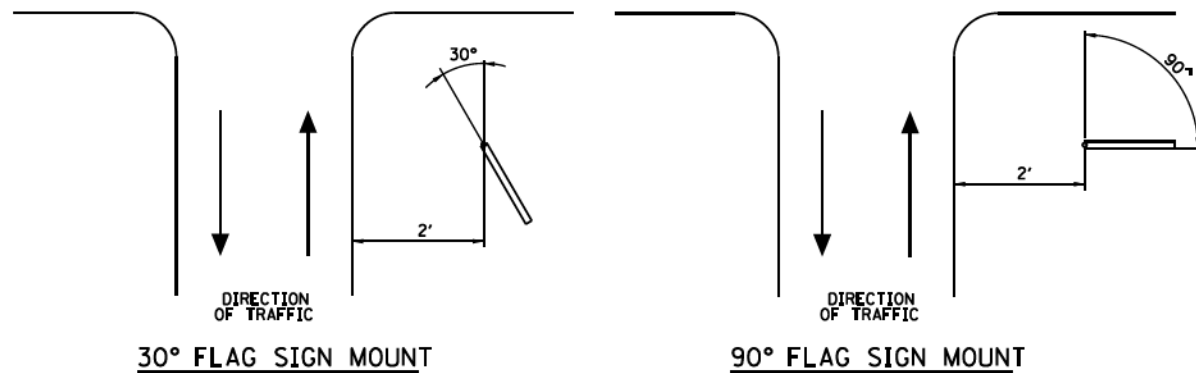
- 2 BANDS PER SIGN UNDER 6'
- 3 BANDS PER SIGN OVER 6'

**CENTER MOUNTED SIGN ASSEMBLY**  
NOT TO SCALE



SIGN MOUNTING MATERIAL: ALUMINUM-ZINC ALLOY TENZALLOY

**SIGN MOUNTING BRACKET DETAIL**  
NOT TO SCALE (VERSION 2A)



**SIGN MOUNTING DETAILS**  
NOT TO SCALE

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PLOT SCALE = 20.0000' / in.
PLOT DATE = 12/15/2016

DESIGNED - JDT	REVISED -
DRAWN - BAW	REVISED -
CHECKED - JMG	REVISED -
DATE - 12/14/16	REVISED -

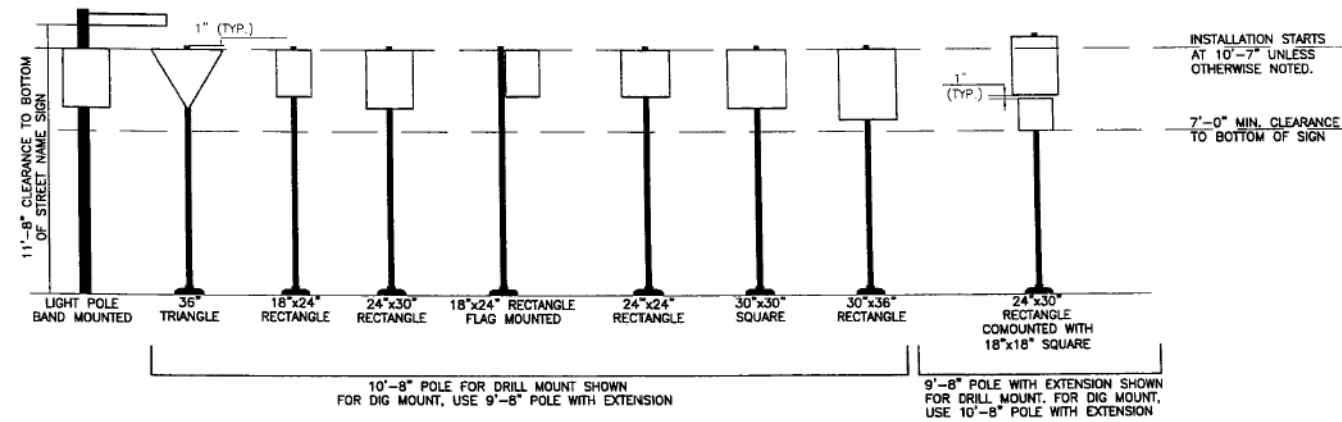
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIGNING DETAILS

SCALE: NONE SHEET 4 OF 5 SHEETS STA. TO STA.

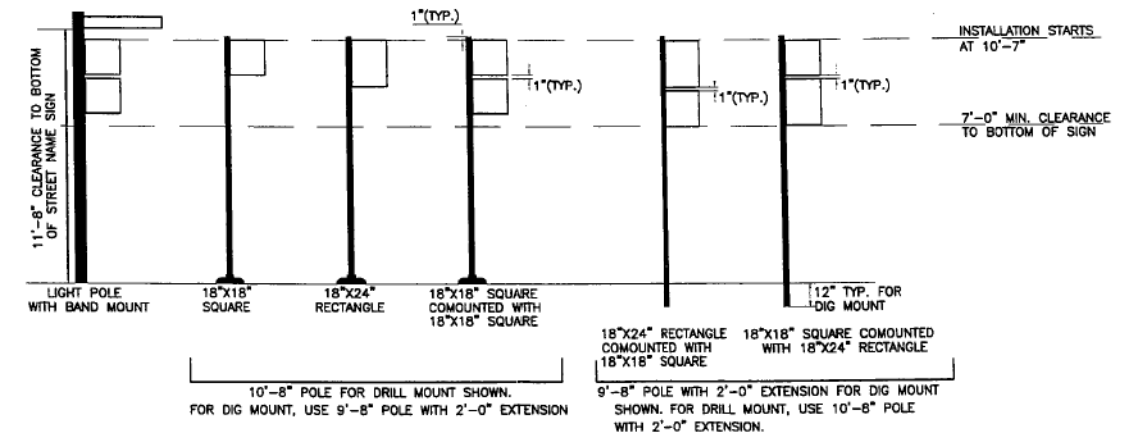
F.A.I. RTE. 90/94/290	SECTION 2014-017B	COUNTY COOK	TOTAL SHEETS 442	SHEET NO. 178
CONTRACT NO. 60X99			ILLINOIS FED. AID PROJECT	

REGULATORY TRAFFIC SIGNS  
(CHICAGO STYLE)



TYPICAL LAYOUT  
NOT TO SCALE

REGULATORY PARKING SIGNS  
(CHICAGO STYLE)



TYPICAL LAYOUT  
NOT TO SCALE

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PLOT SCALE = 20.0000' / in.
PLOT DATE = 12/15/2016

DESIGNED - JDT	REVISED -
DRAWN - BAW	REVISED -
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DATE - 12/14/16	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIGNING DETAILS

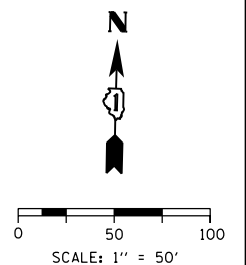
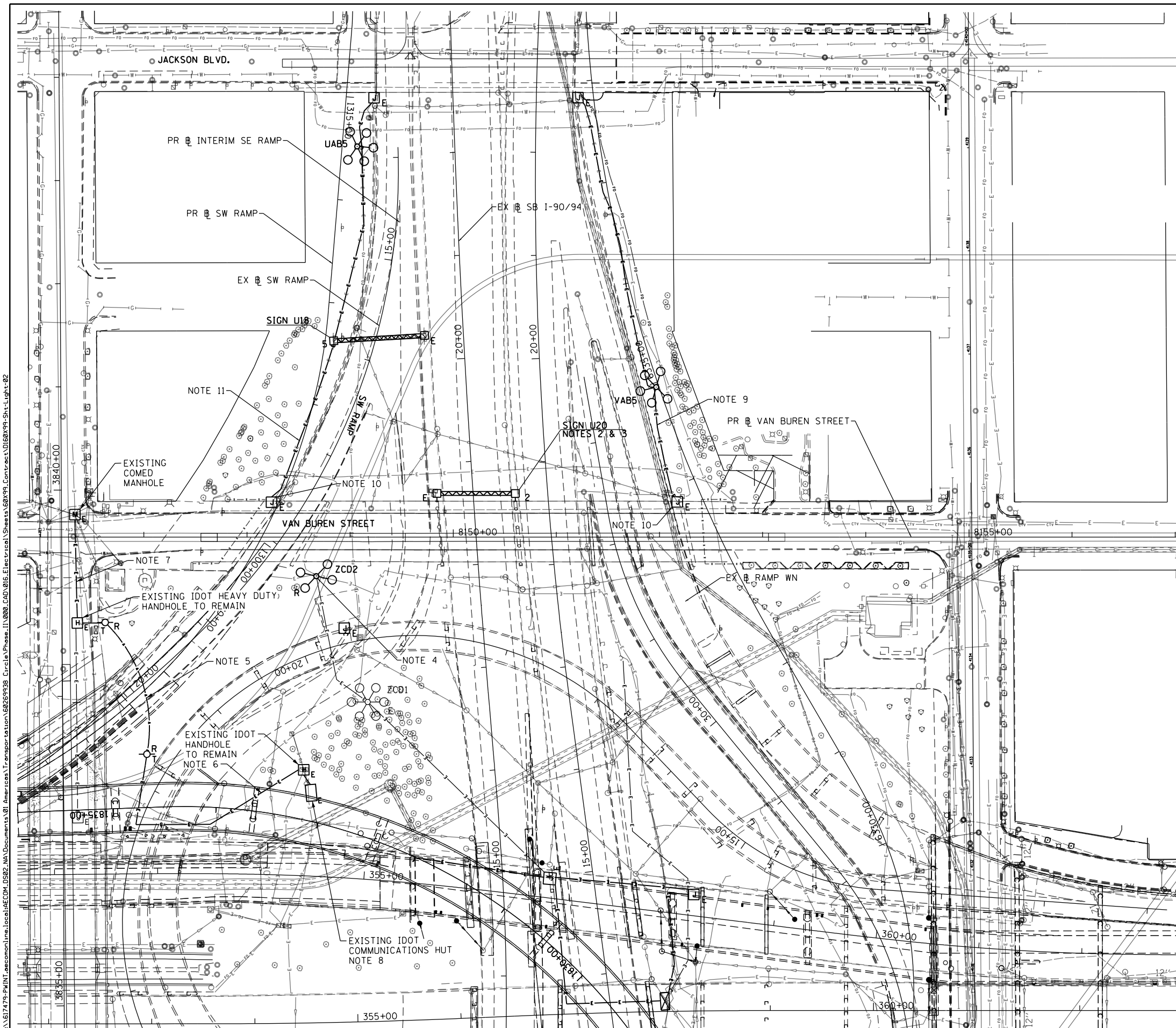
SCALE: NONE SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	179
CONTRACT NO. 60X99				
ILLINOIS FED. AID PROJECT				



**NOTES:**

1. SEE DRAWING E-01 FOR IDOT ELECTRICAL SYMBOLS AND ABBREVIATIONS.
2. REMOVE EXISTING SIGN LUMINAIRES. THIS REMOVAL WORK SHALL BE INCLUDED IN THE COST OF THE "REMOVE OVERHEAD SIGN STRUCTURE-BRIDGE MOUNTED" PAY ITEM.
3. DISCONNECT THE EXISTING SIGN LIGHTING ELECTRICAL FEED AND REMOVE CABLES BACK TO THE NEAREST SPLICE POINT UNEFFECTED BY CONSTRUCTION. THIS WORK SHALL BE PAID FOR UNDER THE "DISCONNECT SIGN LIGHTING AND REMOVE WIRING TO THE NEAREST SPLICE" PAY ITEM.
4. THE EXISTING LIGHT TOWER 6 ZCD2 SHALL NOT BE REMOVED UNTIL THE PROPOSED LIGHT TOWER 6 ZCD2 AND THE NEW FEEDS TO THE EXISTING LIGHTING UNITS, SHOWN ON E-03, HAVE BEEN INSTALLED, ENERGIZED, TESTED, AND APPROVED BY IDOT. THIS WORK SHALL BE STAGED AND COORDINATED SUCH THAT ONE OF THESE TWO LIGHT TOWERS SHALL BE OPERATIONAL DURING NIGHTTIME HOURS. THE CONTRACTOR SHALL PROVIDE A TEMPORARY LIGHTING SYSTEM, IF NECESSARY TO STAGE THIS WORK AT NO ADDITIONAL COST TO THE CONTRACT. IF A TEMPORARY LIGHTING SYSTEM IS NEEDED, IT SHALL BE DESIGNED BY THE CONTRACTOR AND SUBMITTED TO IDOT FOR APPROVAL PRIOR TO BEGINNING ANY LIGHT TOWER REMOVAL WORK. THE TEMPORARY LIGHTING SYSTEM SHALL BE DESIGNED TO MATCH OR EXCEED THE EXISTING ILLUMINATION LEVELS PROVIDED BY THE EXISTING SYSTEM. IF REQUESTED, THE CONTRACTOR SHALL PROVIDE PHOTOMETRIC CALCULATIONS FOR THE TEMPORARY LIGHTING SYSTEM FOR IDOT'S REVIEW AND APPROVAL.
5. REMOVE AND PROPERLY DISPOSE OF THE EXISTING TEMPORARY POWER FEED TO THE COMMUNICATIONS HUT BUILDING.
6. DISCONNECT AND ABANDON THE EXISTING UNDERGROUND RACEWAY AND CABLES BETWEEN THE TEMPORARY WOOD POLE AND THE COMM HUT HANDHOLE LOCATED ADJACENT TO THE BUILDING.
7. DISCONNECT, REMOVE AND DISPOSE OF THE EXISTING CABLES, FOR THE TEMPORARY POWER FEED TO THE COMM HUT BUILDING, FROM THE COMED MANHOLE TO THE EXISTING IDOT HEAVY DUTY HANDHOLE LOCATED IN HALSTED STREET. ROD AND CLEAN THE EXISTING CONDUIT TO REMAIN.
8. DISCONNECT AND REMOVE THE EXISTING TEMPORARY POWER FEED CABLES TO THE COMM HUT BUILDING POWER PANEL. REMOVE THE CABLES FROM THE PANEL THROUGH THE EXISTING CONDUITS IN THE BUILDING OUT TO THE EXISTING HANDHOLE AND DISPOSE OF THEM PROPERLY. THE CABLE SHALL BE REMOVED TO MAKE SUFFICIENT SPACE WITHIN THE EXISTING CONDUITS AND HANDHOLE TO FACILITATE THE INSTALLATION OF THE NEW PERMANENT POWER FEED SHOWN ON DRAWING E-09.
9. THE EXISTING POWER FEED TO EXISTING LIGHT TOWER VAB5 IS TO BE DISCONNECTED AND ABANDONED WHEN THE NEW LIGHT TOWER POWER FEED IS INSTALLED.
10. DISCONNECT THE EXISTING POWER FEED TO THE VAN BUREN STREET UNDERPASS LIGHTING SYSTEM PRIOR TO THE BRIDGE DEMOLITION.
11. DISCONNECT THE EXISTING POWER FEED FROM THE EXISTING SIGN TO VAN BUREN STREET. ABANDON EXISTING FEED.



E-02

FILE PATH = p:\617479-PM\INT.dwg\AECOM\_D592\_MIA\Documents\01\_Americos\T\_engorgation\60269938\_Circle\Phase\_11\000\_CAD\016\_Electrical\Sheets\60x99\_Sht-Light-02



D160X99-Sht-Light-02  
 USER NAME = myersc  
 PLOT SCALE = 100.0000' / in.  
 PLOT DATE = 12/8/2016

DESIGNED - PFD	REVISED -
DRAWN - CAM	REVISED -
CHECKED - WDS	REVISED -
DATE - 12/14/16	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

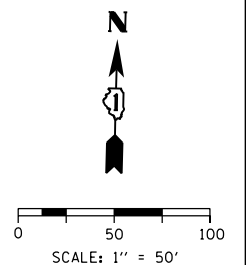
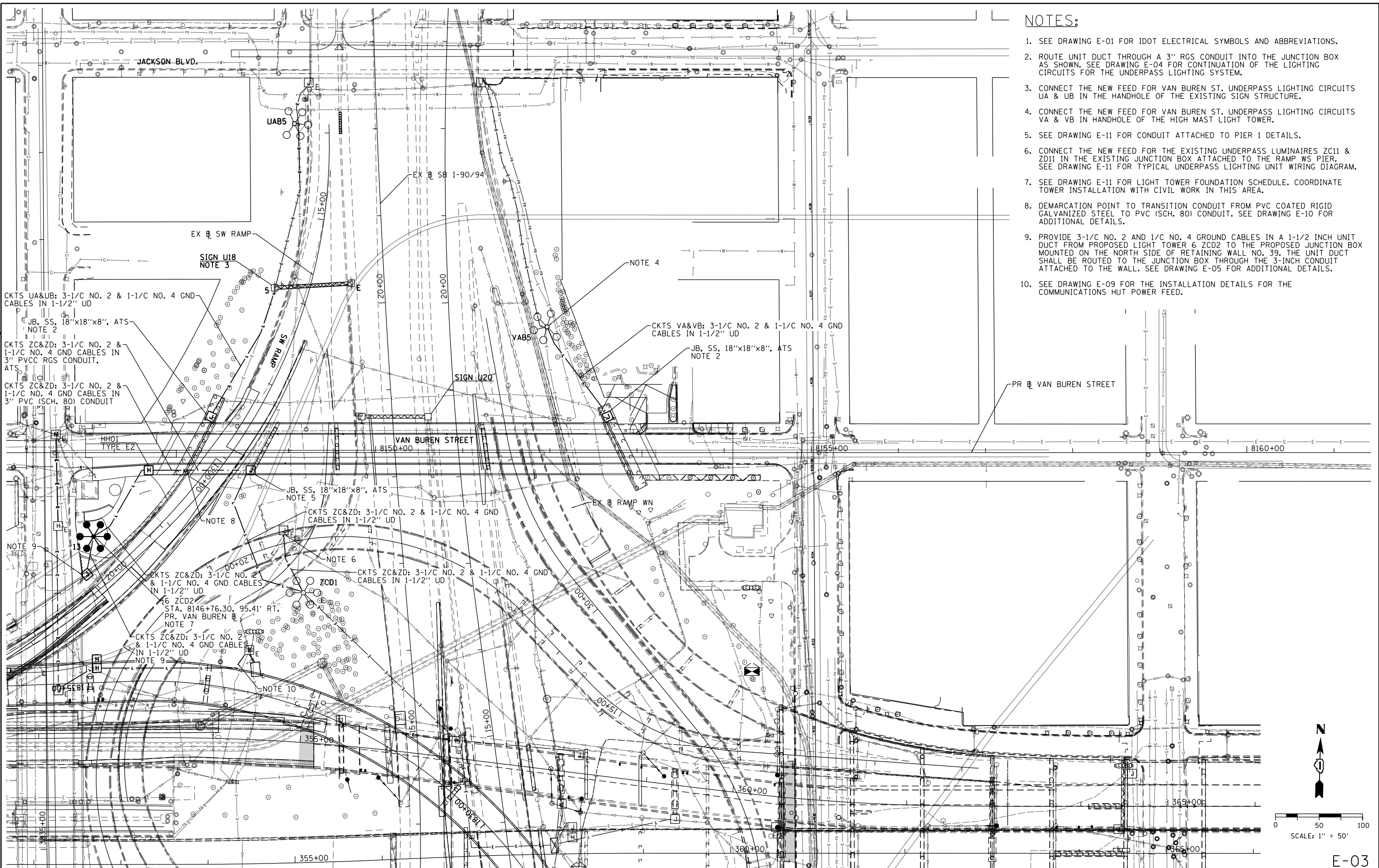
EXISTING/TEMPORARY IDOT LIGHTING PLAN I-90/94

SCALE: 1"=50' SHEET 2 OF 21 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	181
CONTRACT NO. 60X99				
ILLINOIS FED. AID PROJECT				

**NOTES:**

1. SEE DRAWING E-01 FOR IDOT ELECTRICAL SYMBOLS AND ABBREVIATIONS.
2. ROUTE UNIT DUCT THROUGH A 3" RGS CONDUIT INTO THE JUNCTION BOX AS SHOWN. SEE DRAWING E-04 FOR CONTINUATION OF THE LIGHTING CIRCUITS FOR THE UNDERPASS LIGHTING SYSTEM.
3. CONNECT THE NEW FEED FOR VAN BUREN ST. UNDERPASS LIGHTING CIRCUITS UA & UB IN THE HANDHOLE OF THE EXISTING SIGN STRUCTURE.
4. CONNECT THE NEW FEED FOR VAN BUREN ST. UNDERPASS LIGHTING CIRCUITS VA & VB IN HANDHOLE OF THE HIGH MAST LIGHT TOWER.
5. SEE DRAWING E-11 FOR CONDUIT ATTACHED TO PIER 1 DETAILS.
6. CONNECT THE NEW FEED FOR THE EXISTING UNDERPASS LUMINAIRES ZC11 & ZD11 IN THE EXISTING JUNCTION BOX ATTACHED TO THE RAMP WS PIER. SEE DRAWING E-11 FOR TYPICAL UNDERPASS LIGHTING UNIT WIRING DIAGRAM.
7. SEE DRAWING E-11 FOR LIGHT TOWER FOUNDATION SCHEDULE. COORDINATE TOWER INSTALLATION WITH CIVIL WORK IN THIS AREA.
8. DEMARCATION POINT TO TRANSITION CONDUIT FROM PVC COATED RIGID GALVANIZED STEEL TO PVC (SCH. 80) CONDUIT. SEE DRAWING E-10 FOR ADDITIONAL DETAILS.
9. PROVIDE 3-1/C NO. 2 AND 1/C NO. 4 GROUND CABLES IN A 1-1/2 INCH UNIT DUCT FROM PROPOSED LIGHT TOWER 6 ZCD2 TO THE PROPOSED JUNCTION BOX MOUNTED ON THE NORTH SIDE OF RETAINING WALL NO. 39. THE UNIT DUCT SHALL BE ROUTED TO THE JUNCTION BOX THROUGH THE 3-INCH CONDUIT ATTACHED TO THE WALL. SEE DRAWING E-05 FOR ADDITIONAL DETAILS.
10. SEE DRAWING E-09 FOR THE INSTALLATION DETAILS FOR THE COMMUNICATIONS HUT POWER FEED.



E-03

FILE PATH = p:\617479-P\INT\pccom\line\loc\IPE\COM\_D502\_MIA\Documents\01\_Americos\T\engor\station\60269938\_Circle\Phase\_11\000\_CAD\016\_Electrical\Sheets\60x99\_Contract\0160x99-Sht-Light-03



D160x99-Sht-Light-03  
 USER NAME = myersc  
 PLOT SCALE = 100.0000' / in.  
 PLOT DATE = 12/8/2016

DESIGNED - PFD	REVISED -
DRAWN - CAM	REVISED -
CHECKED - WDS	REVISED -
DATE - 12/14/16	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

IDOT LIGHTING PLAN I-90/94  
 SCALE: 1"=50' SHEET 3 OF 21 SHEETS STA. TO STA.

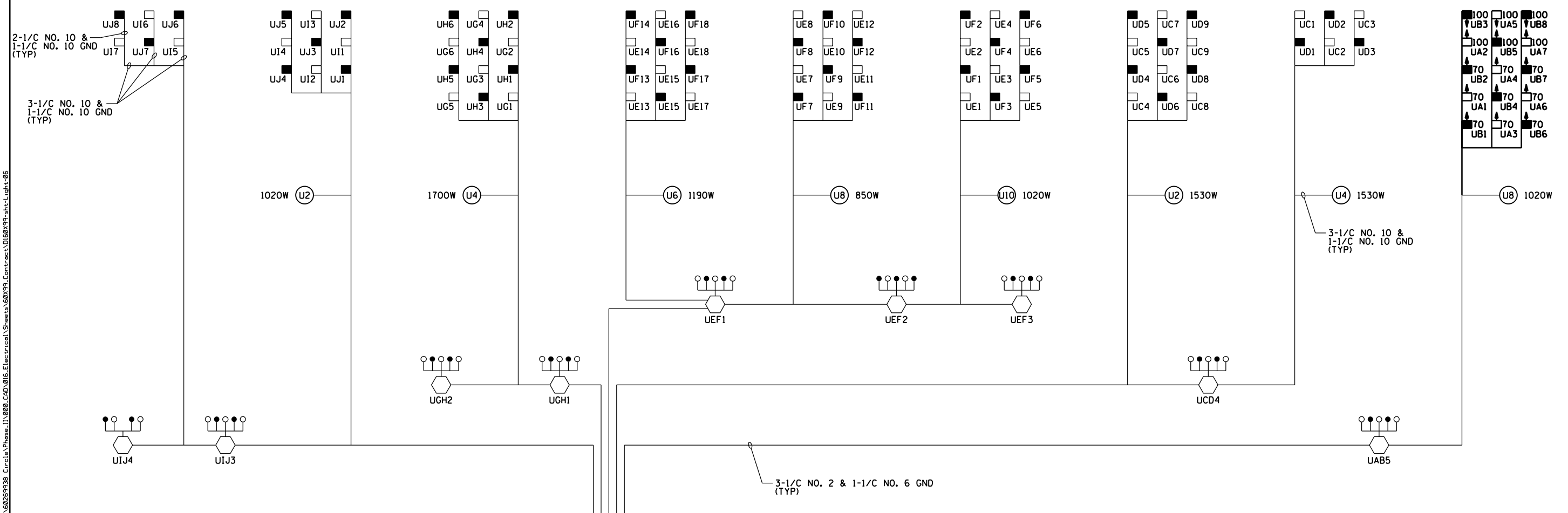
F.A.I. RT.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	182
CONTRACT NO. 60X99				
ILLINOIS FED. AID PROJECT				







C FULTON STREET      C LAKE STREET      C RANDOLPH STREET      C WASHINGTON STREET      C MADISON STREET      C MONROE STREET      C ADAMS STREET      C JACKSON STREET      C VAN BUREN STREET



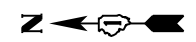
**SYMBOLS LEGEND**

- IDOT LIGHTING CONTROLLER
- HIGH MAST LIGHT TOWER  
400 WATT HPS LUMINAIRE  
(BLACK PHASE - SOLID SYMBOL  
RED PHASE - OPEN SYMBOL)
- UNDERPASS LIGHTING UNIT  
55 WATT LPS LUMINAIRE  
(BLACK PHASE - SOLID SYMBOL  
RED PHASE - OPEN SYMBOL)
- UNDERPASS LIGHTING UNIT  
70 OR 100 WATT HPS LUMINAIRE  
(BLACK PHASE - SOLID SYMBOL  
RED PHASE - OPEN SYMBOL)
- EXISTING SIGN STRUCTURE

LIGHTING CONTROLLER 'U'  
 (2)-175A, 2-POLE MAIN BREAKERS  
 (2)-200A, 2-POLE CONTACTORS  
 (16)-70A, 1-POLE, BRANCH BREAKERS

**LOAD TABLE  
LIGHTING CONTROLLER "U"**

CIRCUIT	RED PHASE		CIRCUIT	BLACK PHASE	
	AMPS	WATTS		AMPS	WATTS
A	11.4	2736	B	10.6	2551
C	23.1	5555	D	21.2	5099
E	41.2	9898	F	39.3	9442
G	18.8	4507	H	15.0	3595
I	21.6	5186	J	20.9	5026
K	-	-	L	-	-
M	-	-	N	-	-
O	-	-	P	-	-
TOTAL	116.2	27882	TOTAL	107.1	25712



E-06

FILE PATH = p:\6179-PMINT\pccom\line\local\AECOM\DS02\_MIA\Documents\01\_Americas\T\engor\station\60269438\_Circle\Phase\_11\000\_CAD\016\_Electrical\Sheets\60X99\_Contract\0160X99-sht-Light-06



D160X99-sht-Light-06  
 USER NAME = myersc  
 PLOT SCALE = 40.0000' / in.  
 PLOT DATE = 12/8/2016

DESIGNED - PFD  
 DRAWN - CAM  
 CHECKED - WDS  
 DATE - 12/14/16






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 REVISIONS -  
 REVISIONS -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IDOT LIGHTING CONTROLLER 'U'  
WIRING DIAGRAM**  
 SCALE: N.T.S.      SHEET 6 OF 21 SHEETS      STA.      TO STA.

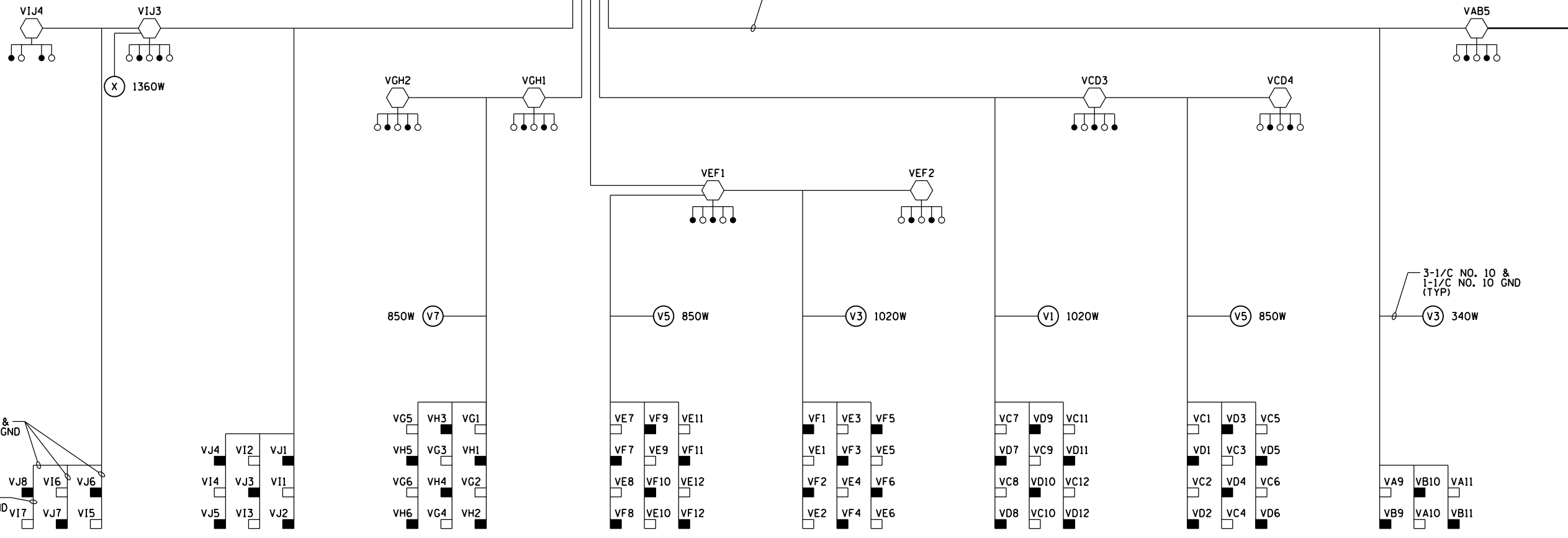
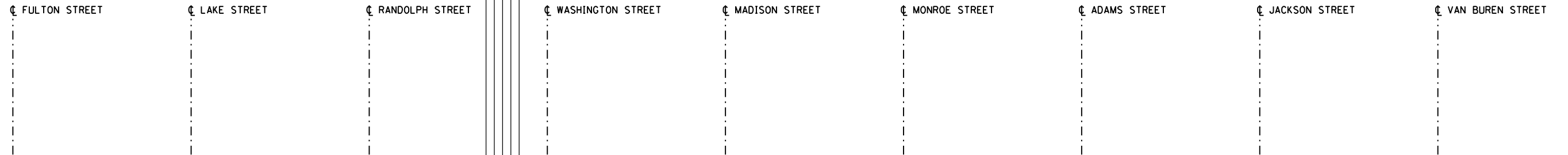
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	185
CONTRACT NO. 60X99				
ILLINOIS FED. AID PROJECT				

**SYMBOLS LEGEND**

-  IDOT LIGHTING CONTROLLER
-  HIGH MAST LIGHT TOWER  
400 WATT HPS LUMINAIRE  
(BLACK PHASE - SOLID SYMBOL  
RED PHASE - OPEN SYMBOL)
-  UNDERPASS LIGHTING UNIT  
55 WATT LPS LUMINAIRE  
(BLACK PHASE - SOLID SYMBOL  
RED PHASE - OPEN SYMBOL)
-  UNDERPASS LIGHTING UNIT  
70 OR 100 WATT HPS LUMINAIRE  
(BLACK PHASE - SOLID SYMBOL  
RED PHASE - OPEN SYMBOL)
-  EXISTING SIGN STRUCTURE

LIGHTING CONTROLLER 'V'  
(2)-175A, 2-POLE MAIN BREAKERS  
(2)-200A, 2-POLE CONTACTORS  
(16)-70A, 1-POLE, BRANCH BREAKERS

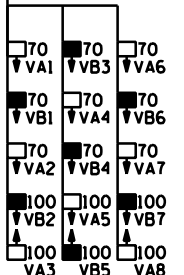
LOAD TABLE LIGHTING CONTROLLER "V"					
CIRCUIT	RED PHASE		CIRCUIT	BLACK PHASE	
	AMPS	WATTS		AMPS	WATTS
A	14.1	3377	B	11.7	2818
C	28.2	6757	D	28.2	6757
E	28.2	6758	F	28.2	6758
G	27.9	6703	H	24.1	5791
I	20.9	5027	J	20.3	4866
K	-	-	L	-	-
M	-	-	N	-	-
O	-	-	P	-	-
TOTAL	119.3	28622	TOTAL	112.5	26990



3-1/C NO. 10 &  
1-1/C NO. 10 GND  
(TYP)

2-1/C NO. 10 &  
1-1/C NO. 10 GND  
(TYP)

3-1/C NO. 10 &  
1-1/C NO. 10 GND  
(TYP)



E-07

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D160X99-sht-Light-07  
USER NAME = myersc  
PLOT SCALE = 40.0000' / in.  
PLOT DATE = 12/8/2016

DESIGNED - PFD  
DRAWN - CAM  
CHECKED - WDS  
DATE - 12/14/16

REVISED -  
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REVISED -






STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

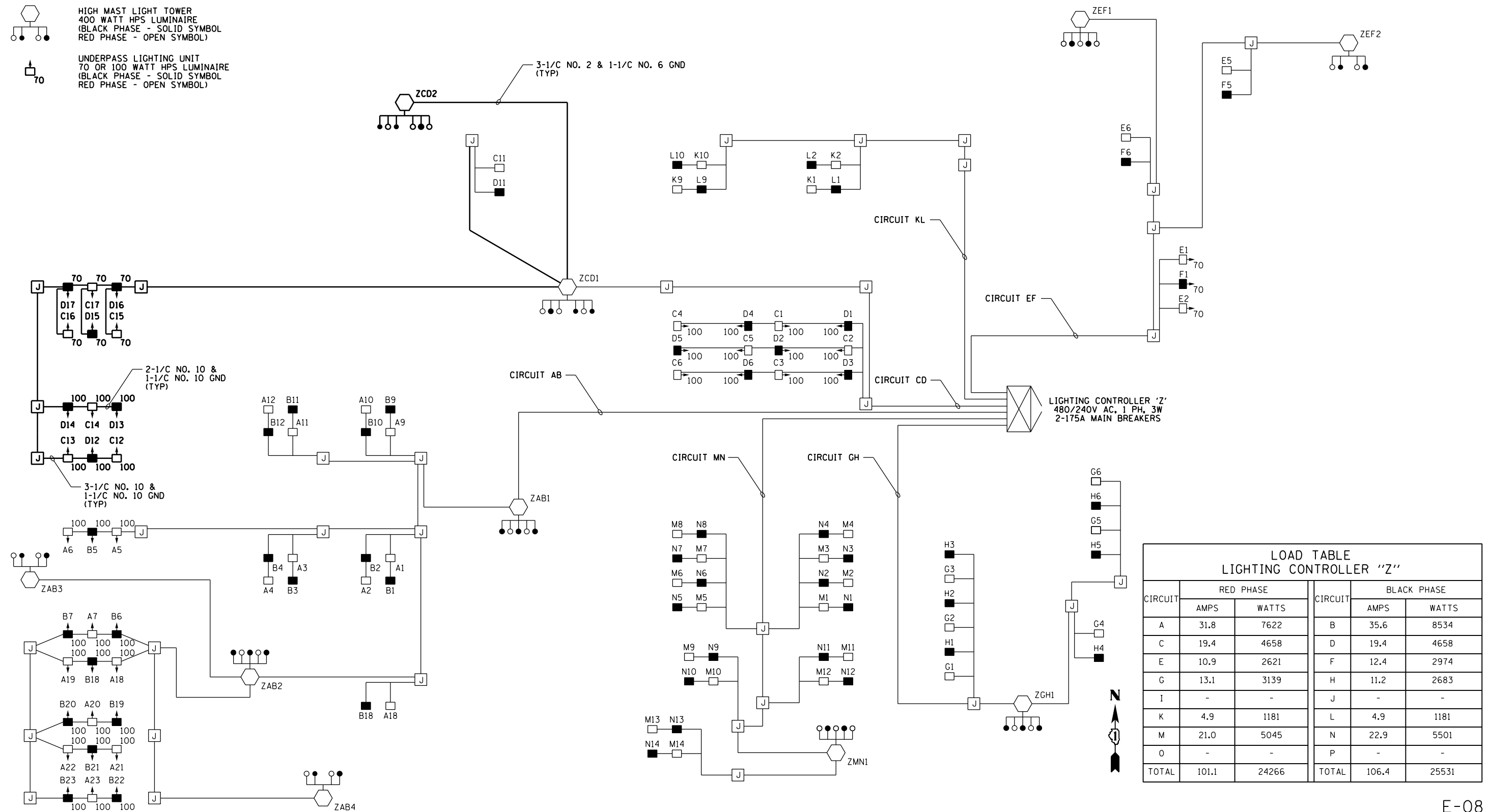
IDOT LIGHTING CONTROLLER 'V'  
WIRING DIAGRAM

SCALE: N.T.S. SHEET 7 OF 21 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	186
CONTRACT NO. 60X99				
ILLINOIS FED. AID PROJECT				

**SYMBOLS LEGEND**

-  IDOT LIGHTING CONTROLLER
-  JUNCTION BOX
-  UNDERPASS LIGHTING UNIT  
55 WATT LPS LUMINAIRE  
(BLACK PHASE - SOLID SYMBOL  
RED PHASE - OPEN SYMBOL)
-  HIGH MAST LIGHT TOWER  
400 WATT HPS LUMINAIRE  
(BLACK PHASE - SOLID SYMBOL  
RED PHASE - OPEN SYMBOL)
-  UNDERPASS LIGHTING UNIT  
70 OR 100 WATT HPS LUMINAIRE  
(BLACK PHASE - SOLID SYMBOL  
RED PHASE - OPEN SYMBOL)



**LOAD TABLE  
LIGHTING CONTROLLER "Z"**

CIRCUIT	RED PHASE		BLACK PHASE		
	AMPS	WATTS	AMPS	WATTS	
A	31.8	7622	B	35.6	8534
C	19.4	4658	D	19.4	4658
E	10.9	2621	F	12.4	2974
G	13.1	3139	H	11.2	2683
I	-	-	J	-	-
K	4.9	1181	L	4.9	1181
M	21.0	5045	N	22.9	5501
O	-	-	P	-	-
<b>TOTAL</b>	<b>101.1</b>	<b>24266</b>	<b>TOTAL</b>	<b>106.4</b>	<b>25531</b>

E-08

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D160X99-shr-Light-08  
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 PLOT DATE = 3/29/2017

DESIGNED - WDS  
 DRAWN - CAM  
 CHECKED - WDS  
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

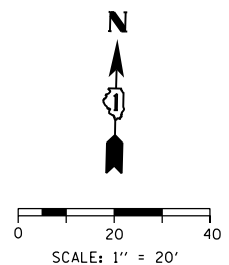
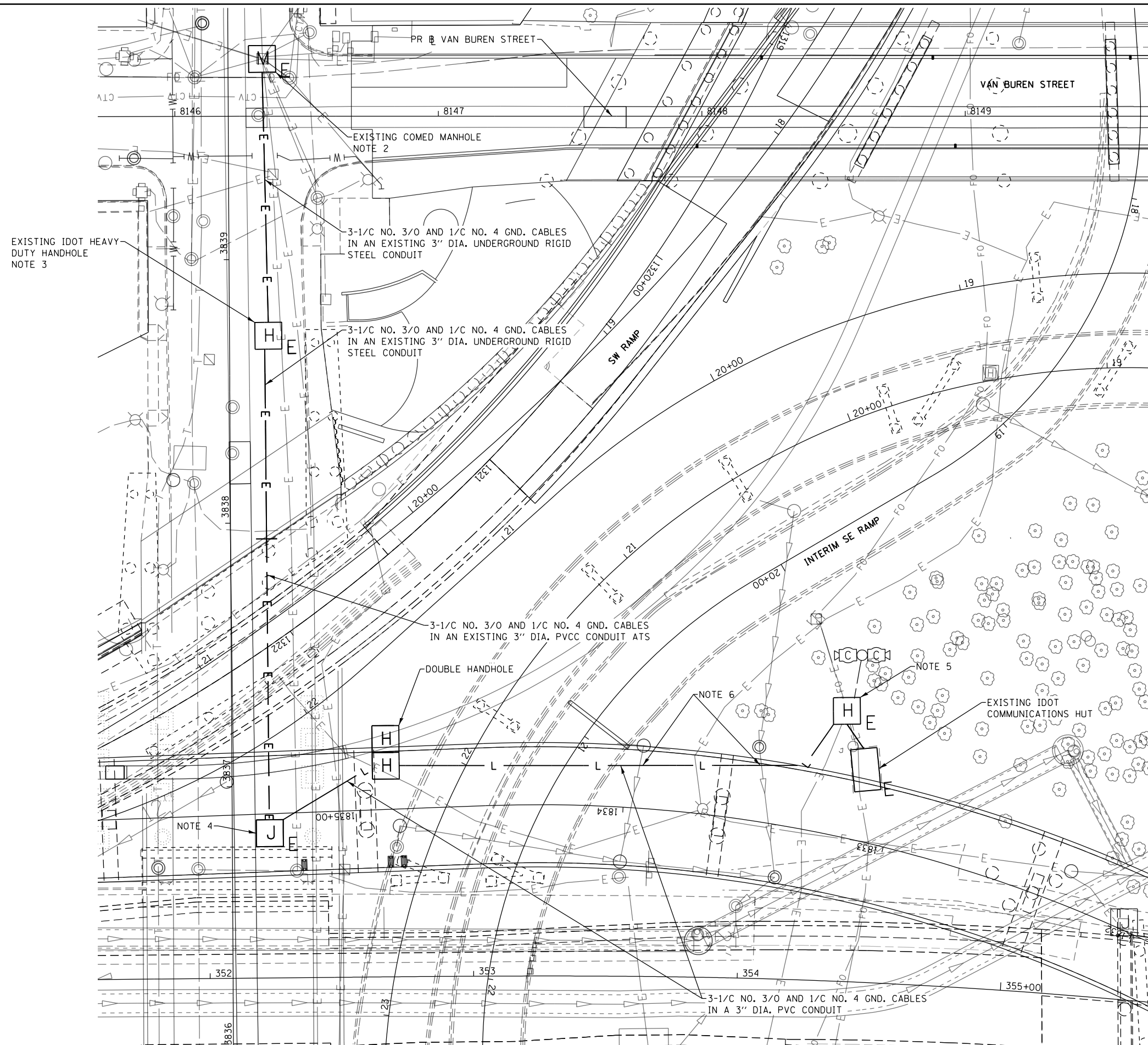
**IDOT LIGHTING CONTROLLER 'Z'  
 WIRING DIAGRAM**

SCALE: N.T.S. SHEET 8 OF 21 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	187
CONTRACT NO. 60X99				
ILLINOIS FED. AID PROJECT				

**NOTES:**

1. SEE DRAWING E-01 FOR IDOT ELECTRICAL SYMBOLS AND ABBREVIATIONS.
2. PROVIDE A PERMANENT UTILITY SERVICE FEED FOR THE IDOT COMMUNICATIONS HUT. THE FEED SHALL BE INSTALLED FROM THE COMED MANHOLE LOCATED IN THE INTERSECTION OF HALSTED/VAN BUREN TO THE IDOT COMM HUT AS SHOWN. ALL WORK SHALL BE COORDINATED WITH AND INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE ELECTRIC UTILITY SERVICE PROVIDER, COMED.
3. ROUTE THE NEW COMM HUT UTILITY SERVICE FEED IN EXISTING CONDUIT THROUGH THE EXISTING IDOT HEAVY DUTY HANDHOLE THROUGH THE ABUTMENT WALL TO THE EXISTING JUNCTION BOX MOUNTED ON THE PIER OF THE HALSTED STREET BRIDGE.
4. INTERCEPT THE EXISTING CONDUIT ATTACHED TO THE BRIDGE PIER AND CONNECT IT TO THE NEW CONDUIT. ROUTE THE CONDUIT FROM THE PIER THROUGH THE DOUBLE HANDHOLE TO THE EXISTING HANDHOLE LOCATED ADJACENT TO THE COMM HUT AS SHOWN.
5. ROUTE THE NEW SERVICE FEEDER CABLES THROUGH THE HANDHOLE INTO THE COMMUNICATIONS BUILDING AND CONNECT TO THE EXISTING POWER PANEL. THE WORK TO CONNECT THE CABLES TO THE PANEL WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF THE CABLES.
6. COORDINATE THE INSTALLATION OF THE CONDUIT WITH THE EXISTING DRAINAGE LINES TO AVOID CONFLICTS.



E-09

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D160X99-Sht-Light-09  
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 PLOT SCALE = 40.0000' / in.  
 PLOT DATE = 12/8/2016

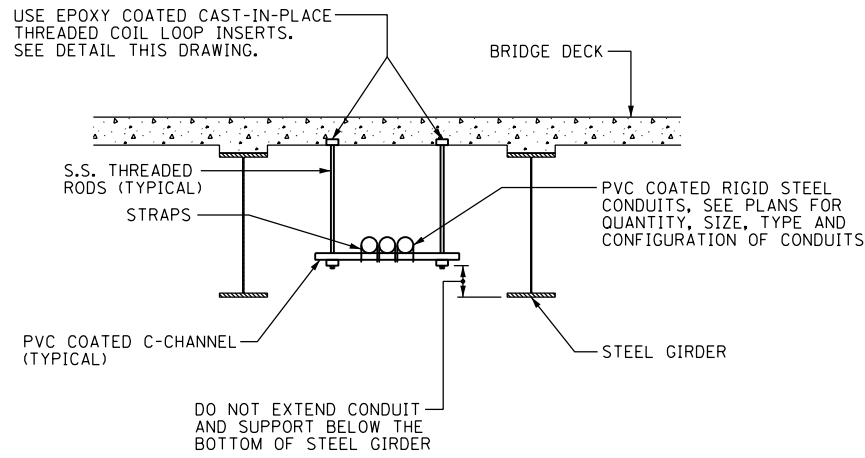
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DATE - 12/14/16	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

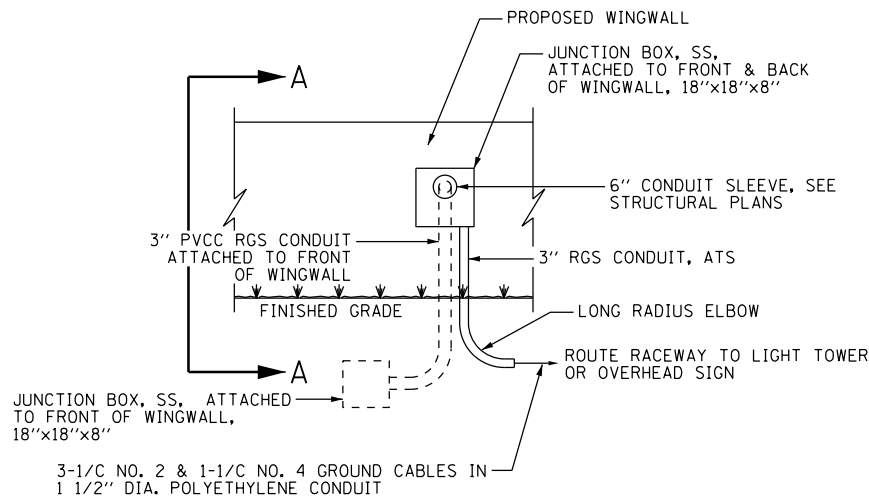
**COMMUNICATIONS HUT POWER FEED PLAN**

SCALE: 1"=20' SHEET 9 OF 21 SHEETS STA. TO STA.

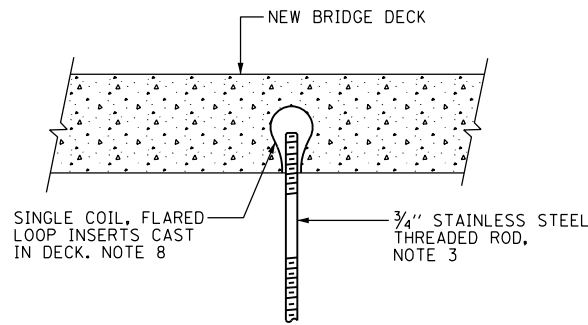
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	188
CONTRACT NO. 60X99				
ILLINOIS FED. AID PROJECT				



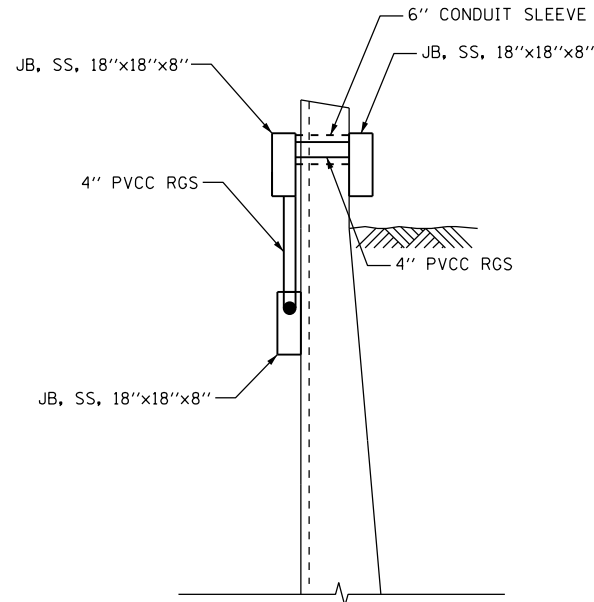
**TYPICAL CONDUIT SUPPORT ATTACHED TO BRIDGE DECK DETAIL**  
SCALE: NOT TO SCALE  
NOTES 4 & 7



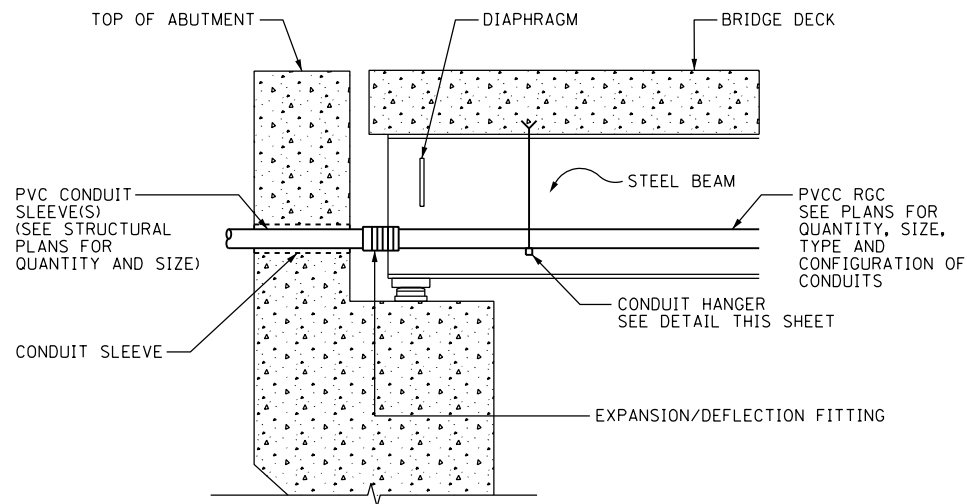
**CONDUIT ROUTING THROUGH WINGWALL DETAIL**  
SCALE: NOT TO SCALE



**BRIDGE DECK THREADED ROD INSTALLATION ANCHOR DETAILS**  
SCALE: NOT TO SCALE



**SECTION A-A**  
SCALE: NOT TO SCALE



**TYPICAL CONDUIT INSTALLATION THROUGH ABUTMENT WALL**  
SCALE: NOT TO SCALE  
NOTE 5

**NOTES:**

- SEE DRAWING E-01 FOR IDOT ELECTRICAL SYMBOLS.
- SEE STRUCTURAL PLANS FOR LOCATION OF BACK WALL OPENING FOR EMBEDDED CONDUITS.
- THE CONTRACTOR MUST COORDINATE THREADED ROD END SIZES WITH THE C-CHANNEL AND FLARED LOOP INSERT MANUFACTURERS.
- THE CONDUIT SUPPORT SYSTEM ATTACHED TO THE BRIDGE DECK, INCLUDING THE INSERTS, WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE PRICE FOR THE "CONDUIT ATTACHED TO STRUCTURE" PAY ITEM.
- COORDINATE THE LOCATION OF THE CONDUITS ROUTED THROUGH THE ABUTMENTS WITH THE LOCATION OF THE CONDUIT SLEEVES/ OPENINGS SHOWN ON THE STRUCTURAL PLANS.
- SEE PLAN DRAWINGS FOR THE PROPOSED CONDUIT ROUTING.
- ALL MOUNTING HARDWARE FOR CONDUIT SUPPORTS AND PVCC RGC MUST BE PVC COATED.
- THE CONTRACTOR MUST USE APPROVED SINGLE COIL FLARED LOOP INSERTS WHEN PENDANT MOUNTING THREADED RODS TO A NEW BRIDGE DECK. THE FLARED LOOP INSERTS MUST BE CAST INTO THE CONCRETE DECK. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING THE INSERT LOCATIONS IN THE FIELD AND COORDINATING ALL WORK WITH THE BRIDGE DECK CONSTRUCTION.

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D160X99-sht-Light-10  
USER NAME = myersc  
PLOT SCALE = 2.0000' / in.  
PLOT DATE = 12/8/2016

DESIGNED - PFD  
DRAWN - CAM  
CHECKED - WDS  
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REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

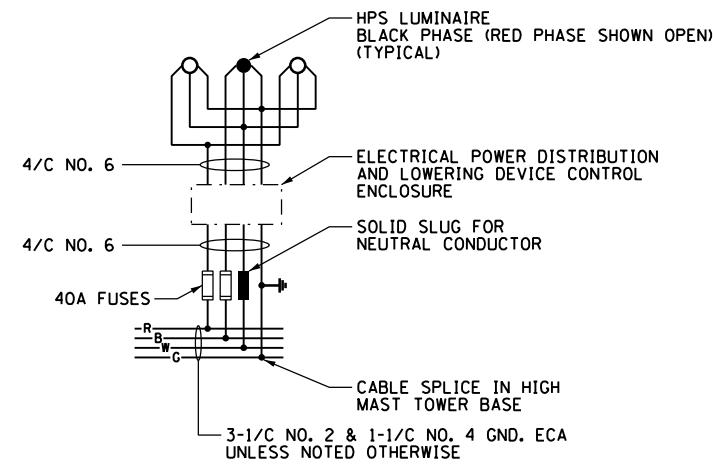
**MISCELLANEOUS ELECTRICAL DETAILS**

SCALE: N.T.S. SHEET 10 OF 21 SHEETS STA. TO STA.

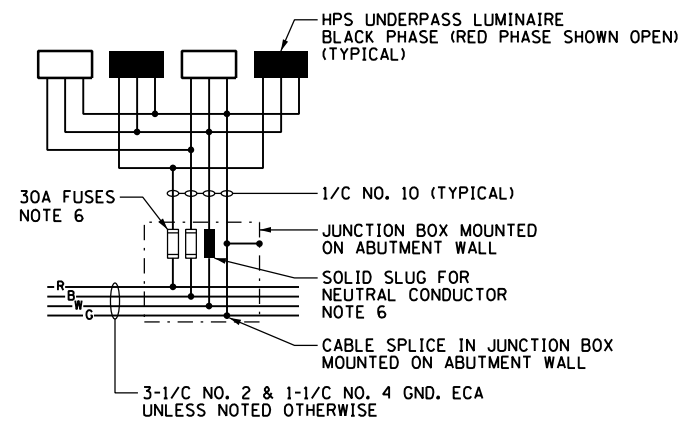
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	189
CONTRACT NO. 60X99				
ILLINOIS FED. AID PROJECT				

### HIGH MAST LIGHT TOWER FOUNDATION SCHEDULE

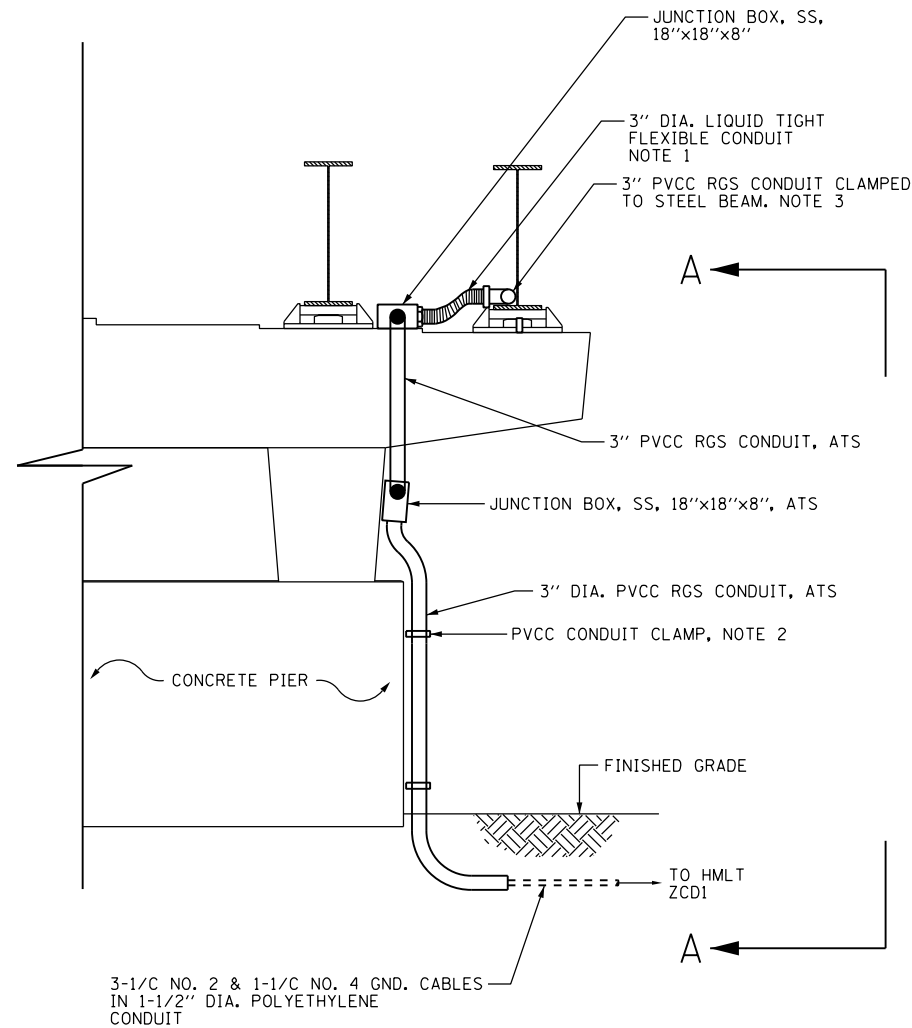
HIGH MAST LIGHT TOWER IDENTIFICATION	HIGH MAST LIGHT TOWER FOUNDATION LOCATION			HIGH MAST LIGHT TOWER FOUNDATION ELEVATIONS			HIGH MAST TOWER HEIGHT	REMARKS AND NOTES
	STATION	OFFSET (NOTE 4)	BASELINE	TOP ELEVATION	BOTTOM ELEVATION	DESIGN DEPTH (FT)		
6 ZCD2	8146+76.3	95.41' RT	PR VAN BUREN	595.37	545.37	50	130'	NOTES 4 & 5



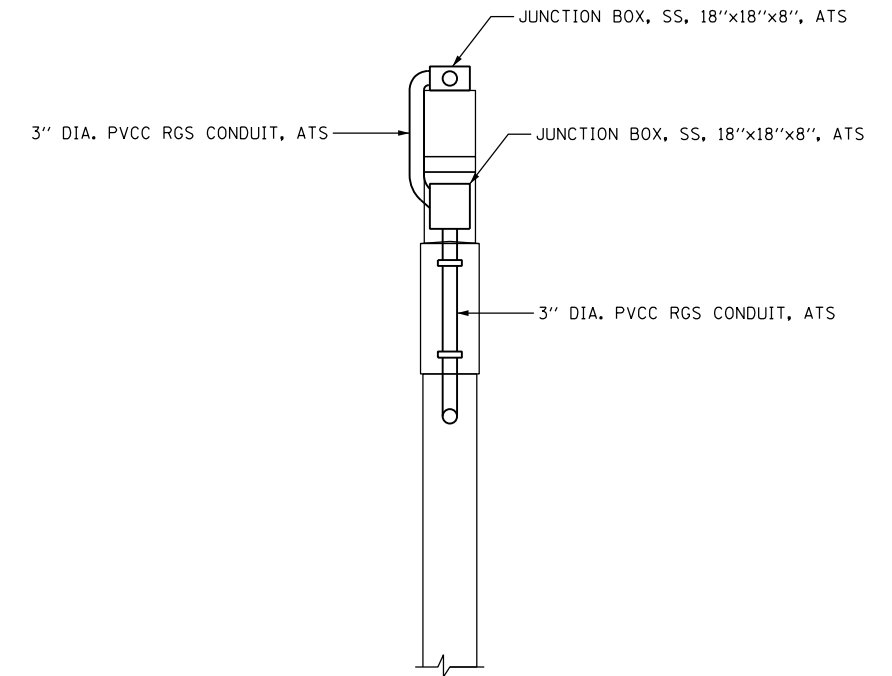
TYPICAL HIGH MAST LIGHT TOWER WIRING DIAGRAM  
NOT TO SCALE



TYPICAL UNDERPASS LIGHTING UNIT WIRING DIAGRAM  
NOT TO SCALE



CONDUIT ATTACHED TO PIER 1 DETAIL  
NOT TO SCALE (LOOKING EAST)



SECTION A-A  
NOT TO SCALE

**NOTES:**

1. 3" DIAMETER LIQUID TIGHT FLEXIBLE METAL CONDUIT, MAXIMUM LENGTH 3'-0". PROVIDE PVC COATED RIGID GALVANIZED STEEL CONDUIT AS REQUIRED. LIQUID TIGHT FLEXIBLE METAL CONDUIT WILL BE MEASURED AND PAID FOR UNDER THE "CONDUIT ATTACHED TO STRUCTURE, 3" DIA., GALVANIZED STEEL, PVC COATED" PAY ITEM.
2. SECURE THE CONDUIT WITH PVC COATED CONDUIT CLAMPS OR CONDUIT BEAM CLAMPS AS SHOWN AT 5'-0" INTERVALS FOR LATERALS AND WITHIN 2'-0" MAXIMUM FROM ANY JUNCTION BOX, FLEXIBLE CONDUIT, OR CHANGE IN DIRECTIONS. ALL PVC COATED CONDUIT CLAMPS OR BEAM CLAMPS WILL BE MEASURED AND PAID FOR UNDER THE "CONDUIT ATTACHED TO STRUCTURE, 3" DIA., GALVANIZED STEEL, PVC COATED" PAY ITEM.
3. SEE DRAWING E-03 FOR THE ROUTING OF THE CONDUIT ATTACHED TO STRUCTURE.
4. SEE IDOT STANDARDS BE-506 AND BE-511 FOR LIGHT TOWER FOUNDATION DETAILS.
5. THE SCHEDULE ON THIS DRAWING REPLACES THE "SHAFT LENGTH (D) TABLE" SHOWN ON IDOT STANDARDS BE-506 AND BE-511.
6. THE FUSES, FUSE HOLDERS, AND SOLID SLUGS SHALL BE PROVIDED ACCORDING TO ARTICLE 1065.01 OF THE IDOT STANDARDS. THE COST OF PROVIDING THE FUSES, FUSE HOLDERS, AND SOLID SLUGS IN THE JUNCTION BOX WILL NOT BE PAID FOR SEPARATELY AND WILL BE INCLUDED IN THE COST OF THE JUNCTION BOX IN WHICH THEY ARE INSTALLED.

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D160X99-sht-Light-11  
 USER NAME = myersc  
 PLOT SCALE = 2.0000' / in.  
 PLOT DATE = 12/8/2016

DESIGNED - WDS  
 DRAWN - CAM  
 CHECKED - WDS  
 DATE - 12/14/16

REVISED -  
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

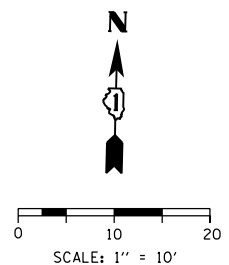
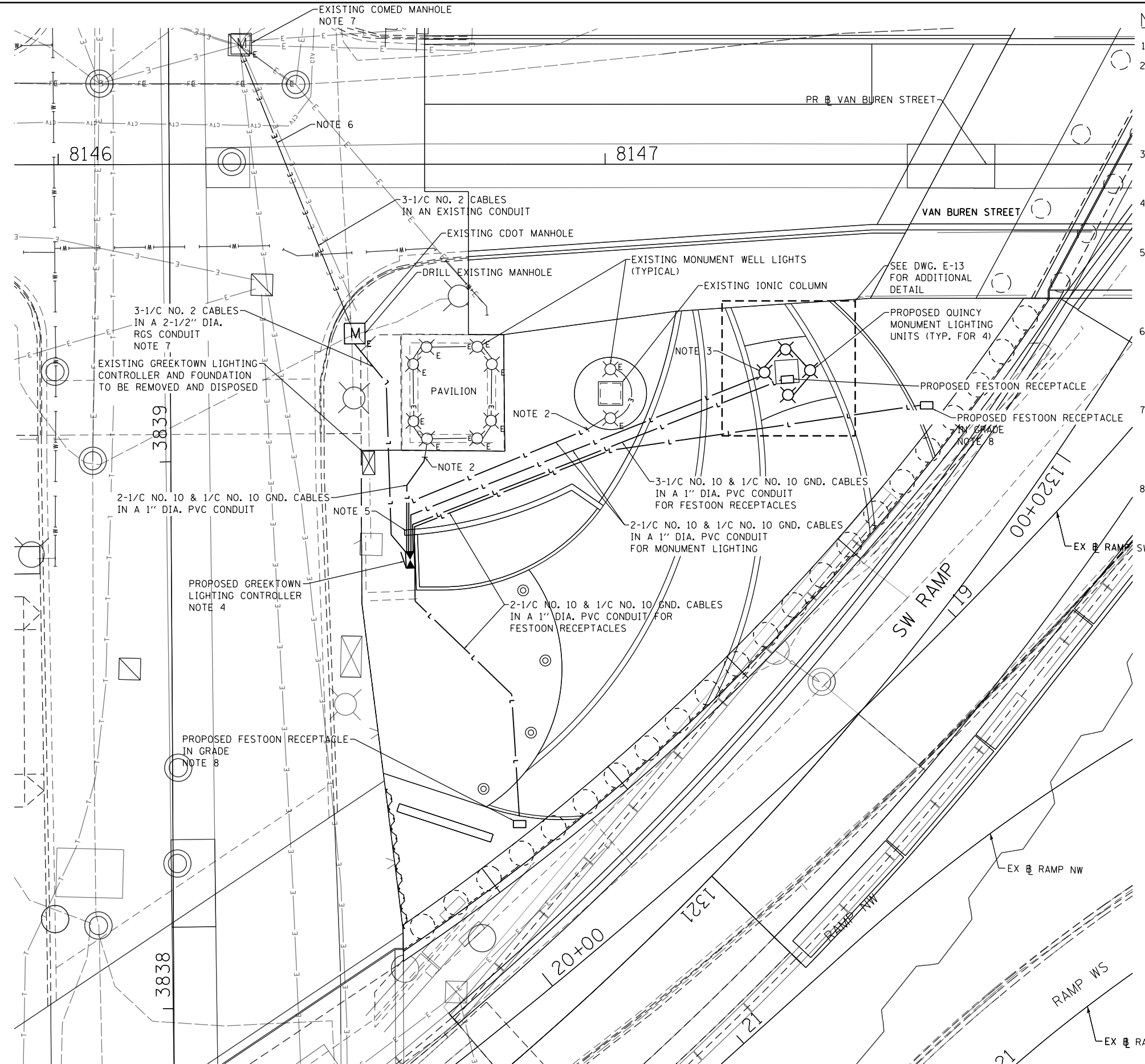
**MISCELLANEOUS ELECTRICAL DETAILS**

SCALE: N.T.S.    SHEET 11 OF 21 SHEETS    STA.    TO STA.

F.A.I. RTE. 90/94/290	SECTION 2014-017B	COUNTY COOK	TOTAL SHEETS 442	SHEET NO. 190
CONTRACT NO. 60X99				
ILLINOIS FED. AID PROJECT				

**NOTES:**

1. SEE DRAWING E-01 FOR IDOT ELECTRICAL SYMBOLS AND ABBREVIATIONS.
2. INTERCEPT THE EXISTING CONDUIT FOR THE PAVILION AND IONIC COLUMN LIGHTS AND CONNECT TO THE NEW CONDUIT TO CREATE A COMPLETE CONDUIT HOMERUN BACK TO THE NEW CONTROLLER. ROUTE THE NEW LIGHTING CIRCUIT WIRES FROM THE CONTROLLER TO THE FIRST EXISTING LIGHTING UNIT IN THE CIRCUIT AND SPLICE TO THE EXISTING CABLES TO PROVIDE POWER TO THE EXISTING MONUMENT LIGHTING SYSTEM. THE WORK SHALL INCLUDE ALL MATERIALS AND LABOR TO PROVIDE A FULLY FUNCTIONAL LIGHTING SYSTEM.
3. ROUTE NEW LIGHTING CIRCUIT CONDUIT AND WIRES TO THE NEW EMBEDDED LIGHTING UNITS FOR THE RELOCATED QUINCY MONUMENT AS SHOWN. THE WORK SHALL INCLUDE ALL MATERIALS AND LABOR TO PROVIDE A FULLY FUNCTIONAL LIGHTING SYSTEM.
4. PROVIDE A NEW GREEKTOWN LIGHTING CONTROLLER ON A CONCRETE FOUNDATION AT THE LOCATION SHOWN. THE CONTROLLER SHALL BE A 100 AMP, 120/240 VOLT, 1 PHASE, 3-WIRE SYSTEM IN A NEMA 3R ENCLOSURE AS SHOWN ON THE PLANS. SEE DRAWING E-14 FOR ADDITIONAL DETAILS.
5. COORDINATE THE INSTALLATION AND ROUTING OF THE NEW UNDERGROUND LIGHTING CONDUITS WITH THE CONSTRUCTION OF THE NEW CAST IN PLACE CONCRETE WALL SO THAT THERE ARE NO CONFLICTS. THE CONDUIT RUNS SHALL EITHER BE ROUTED AROUND THE WALL OR BELOW THE WALL FOOTING AS DETERMINED IN THE FIELD BY THE CONTRACTOR. NO ADDITIONAL COMPENSATION WILL BE PAID FOR ROUTING THE CONDUITS DEEPER THAN 30 INCHES TO AVOID CONFLICTS WITH THE WALL FOOTING.
6. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE LOCATION OF THE POWER SOURCE FEEDING THE EXISTING GREEKTOWN LIGHTING CONTROLLER. THIS WORK SHALL BE INCLUDED IN THE COST OF THE "ELECTRIC SERVICE CONNECTION" PAY ITEM. DISCONNECT, REMOVE AND DISPOSE OF THE EXISTING POWER CABLES FEEDING THE CONTROLLER. ROD AND CLEAN THE EXISTING CONDUITS FOR REUSE PRIOR TO INSTALLING THE NEW FEEDER CABLES.
7. PROVIDE A PERMANENT 100 AMP, 120/240 VOLT, 1-PHASE, 3 WIRE UTILITY SERVICE POWER FEED FOR THE PROPOSED GREEKTOWN LIGHTING CONTROLLER. THE FEED SHALL BE INSTALLED FROM THE COMED MANHOLE THROUGH THE EXISTING CDOT MANHOLE TO THE PROPOSED GREEKTOWN LIGHTING CONTROLLER AS SHOWN, AS DIRECTED BY COMED AND THE ENGINEER. ALL WORK SHALL BE COORDINATED WITH AND INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE ELECTRIC UTILITY SERVICE PROVIDER, COMED.
8. FINAL LOCATION OF THE GROUND MOUNTED FESTOON RECEPTACLES TO BE STAKED IN THE FIELD BY THE CONTRACTOR AND APPROVED BY GREEKTOWN BEFORE BEGINNING ANY WORK.



E-12

FILE PATH = p:\617479-PM\INT\pccommon\line\local\AECOM\0502\_NA\Documents\01\_Americas\T\engor\station\60269438\_Circle\Phase\_11\000\_CAD\016\_Electrical\Sheets\60x99\_Sht-Light-12



D160X99-Sht-Light-12  
 USER NAME = myersc  
 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 3/29/2017

DESIGNED - PFD	REVISED -
DRAWN - CAM	REVISED -
CHECKED - WDS	REVISED -
DATE - 3/31/17	REVISED -

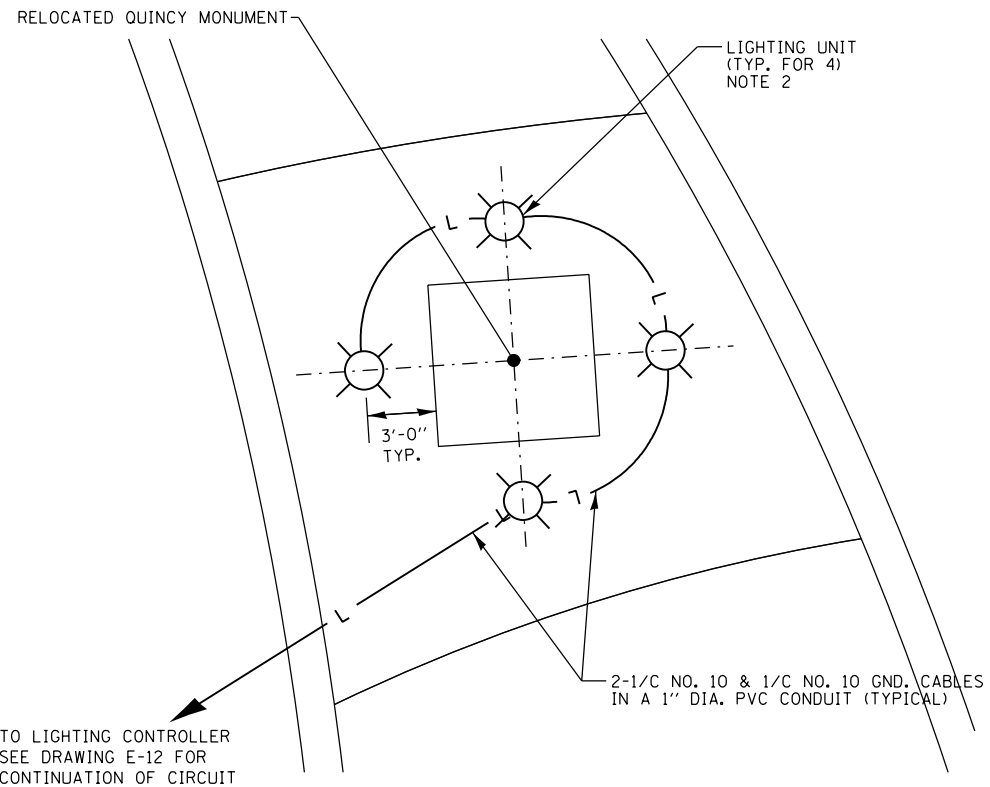
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ELYSIAN FIELD LIGHTING PLAN

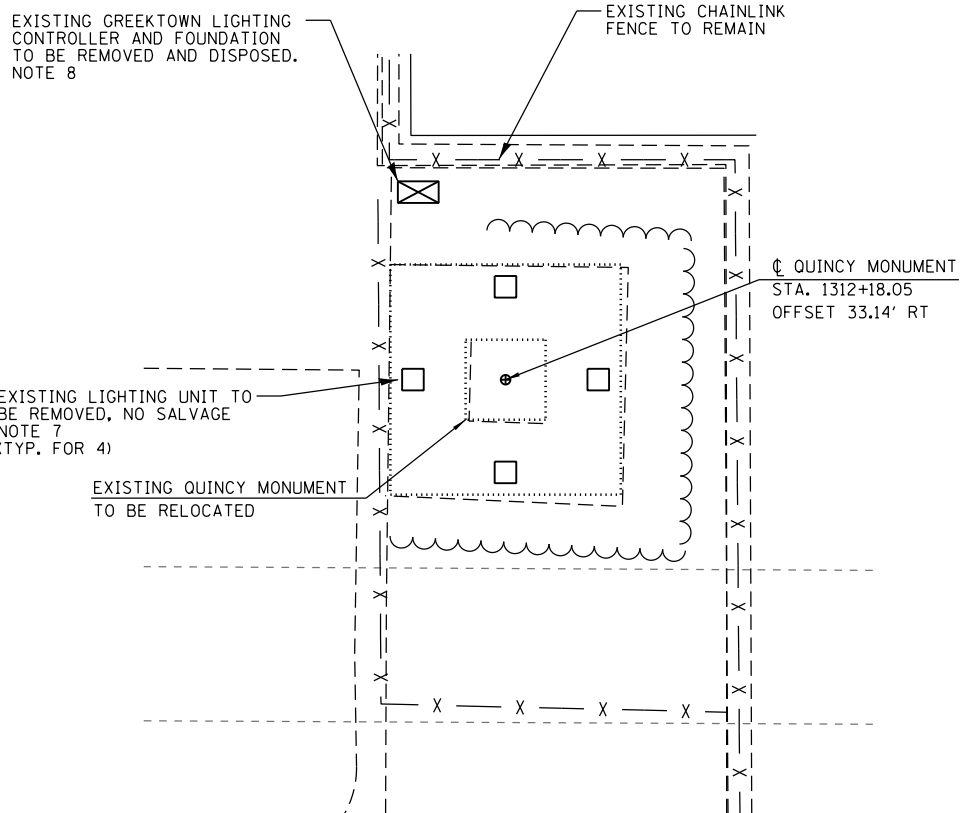
SCALE: 1"=10'    SHEET 12 OF 21 SHEETS    STA.    TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	191
CONTRACT NO. 60X99				
ILLINOIS FED. AID PROJECT				

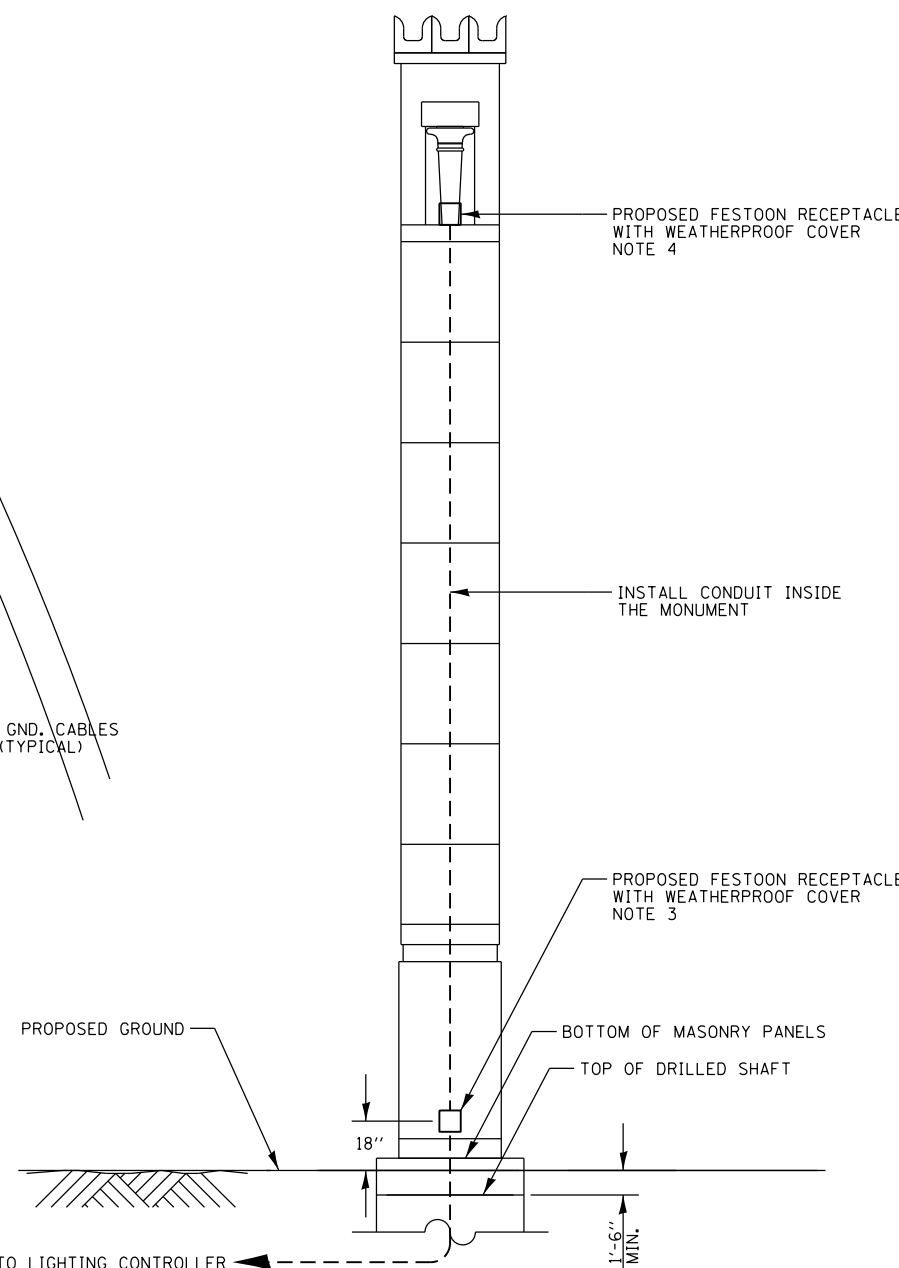
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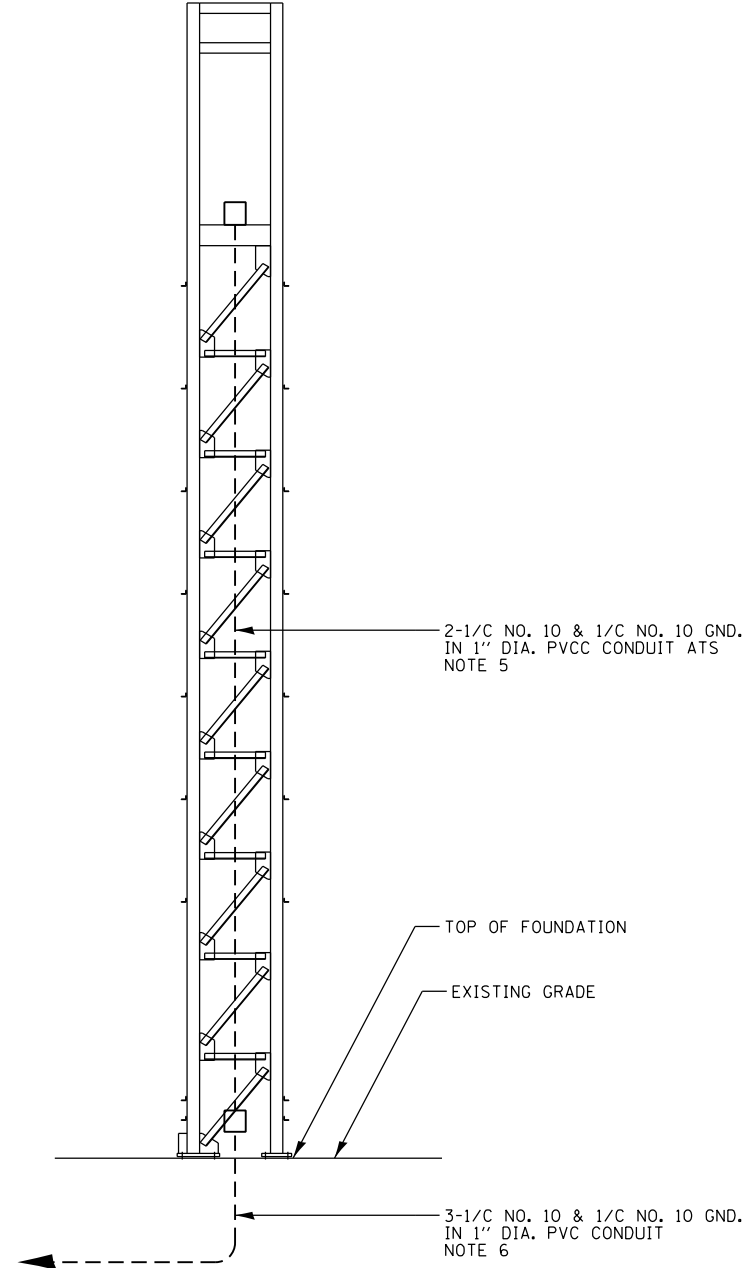
**PROPOSED QUINCY MONUMENT LIGHTING PLAN**  
N.T.S.



**EXISTING QUINCY MONUMENT ELECTRICAL REMOVAL PLAN**  
N.T.S.



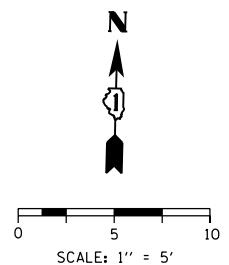
**ELEVATION**  
(LOOKING NORTH)  
N.T.S.



**STEEL TRUSS FRAME**  
N.T.S.

**NOTES:**

- SEE DRAWING E-01 FOR IDOT ELECTRICAL SYMBOLS AND ABBREVIATIONS.
- INSTALL THE NEW LED WELL LIGHTING UNITS IN THE NEW CONCRETE SIDEWALK FLUSH PER THE MANUFACTURERS RECOMMENDATIONS. THE FIXTURE'S TILT/ANGLE SHALL BE APPROXIMATELY 6 DEGREES TOWARDS THE MONUMENT AND ADJUSTED IN THE FIELD BY THE CONTRACTOR IF REQUIRED. THE LIGHTING CIRCUIT CONDUIT AND CABLES SHALL BE ROUTED INTO THE BOTTOM OF THE LIGHTING UNIT AND CONNECTED PER THE FIXTURE MANUFACTURER'S RECOMMENDATIONS. THE CONDUIT AND FIXTURE HOUSING SHALL BE SEALED TO PREVENT WATER INFILTRATION.
- THE FESTOON RECEPTACLE SHALL BE RECESSED INSIDE THE QUINCY MONUMENT SUCH THAT THE RECEPTACLE BOX FACEPLATE IS INSTALLED FLUSH WITH THE OUTSIDE OF THE MONUMENT PANEL FACE. THE EXISTING PANEL SHALL BE SAWCUT AS NEEDED TO INSTALL THE RECEPTACLE BOX AND COVER. THE FINAL LOCATION OF THE RECEPTACLE SHALL BE MARKED ON THE MONUMENT IN THE FIELD BY THE CONTRACTOR, THEN REVIEWED AND APPROVED BY THE ENGINEER AND A GREEKTOWN REPRESENTATIVE PRIOR TO BEGINNING ANY WORK.
- THE FESTOON RECEPTACLE SHALL BE INSTALLED ON THE QUINCY MONUMENT. THE RECEPTACLE SHALL BE SURFACE MOUNTED ON THE INTERIOR OF THE LEDGE NEAR THE EXISTING LIGHT FIXTURE. THE FINAL LOCATION OF THE RECEPTACLE SHALL BE MARKED ON THE MONUMENT IN THE FIELD BY THE CONTRACTOR, THEN REVIEWED AND APPROVED BY THE ENGINEER AND A GREEKTOWN REPRESENTATIVE PRIOR TO BEGINNING ANY WORK.
- PROVIDE CONDUIT AND CABLES TO CONNECT THE TWO FESTOON RECEPTACLES. THE CONDUIT SHALL BE ATTACHED TO THE INSIDE OF THE MONUMENT'S STRUCTURAL STEEL BY MEANS DETERMINED IN THE FIELD BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
- EACH OF THE TWO FESTOON RECEPTACLES SHALL BE INDEPENDENTLY CONNECTED TO SEPARATE POWER CIRCUITS AND BREAKERS.
- THE EXISTING LIGHTING CONDUIT AND JUNCTION BOX SHALL BE REMOVED AND DISPOSED OF OFFSITE. THIS WORK SHALL BE INCLUDED IN THE "REMOVAL OF LIGHTING UNIT, NO SALVAGE" PAY ITEM.
- DISCONNECT AND REMOVE CONTROLLER UTILITY FEED BACK TO THE UTILITY POLE OR MANHOLE AS REQUIRED.



D160X99-Sht-Light-13	DESIGNED - PFD	REVISED -
USER NAME = myersc	DRAWN - CAM	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - WDS	REVISED -
PLOT DATE = 12/8/2016	DATE - 12/14/16	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

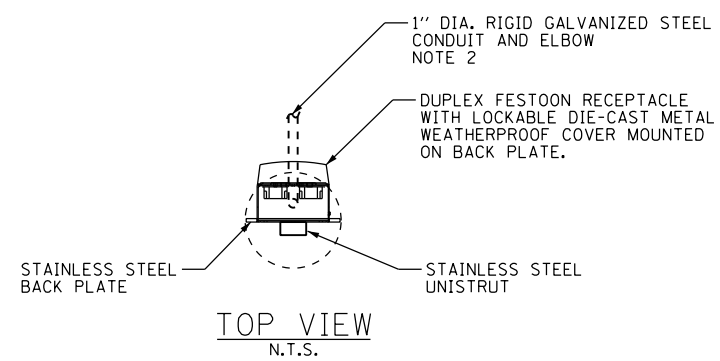
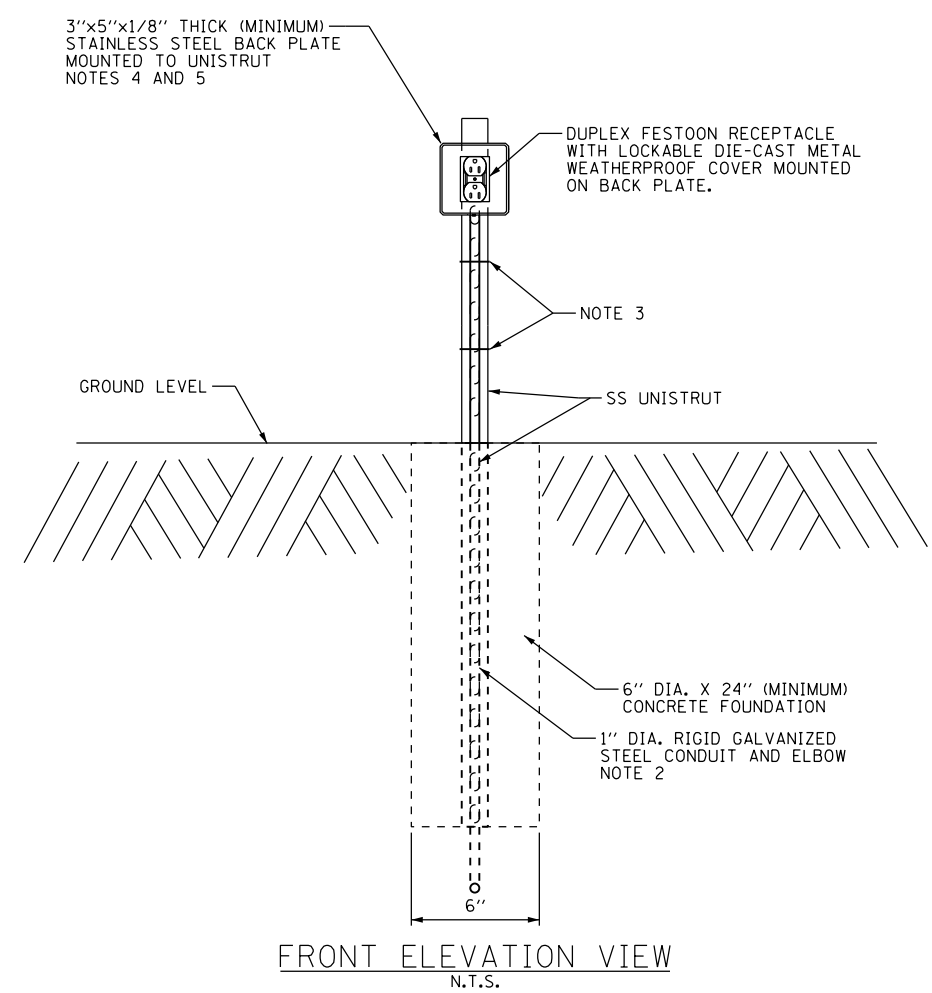
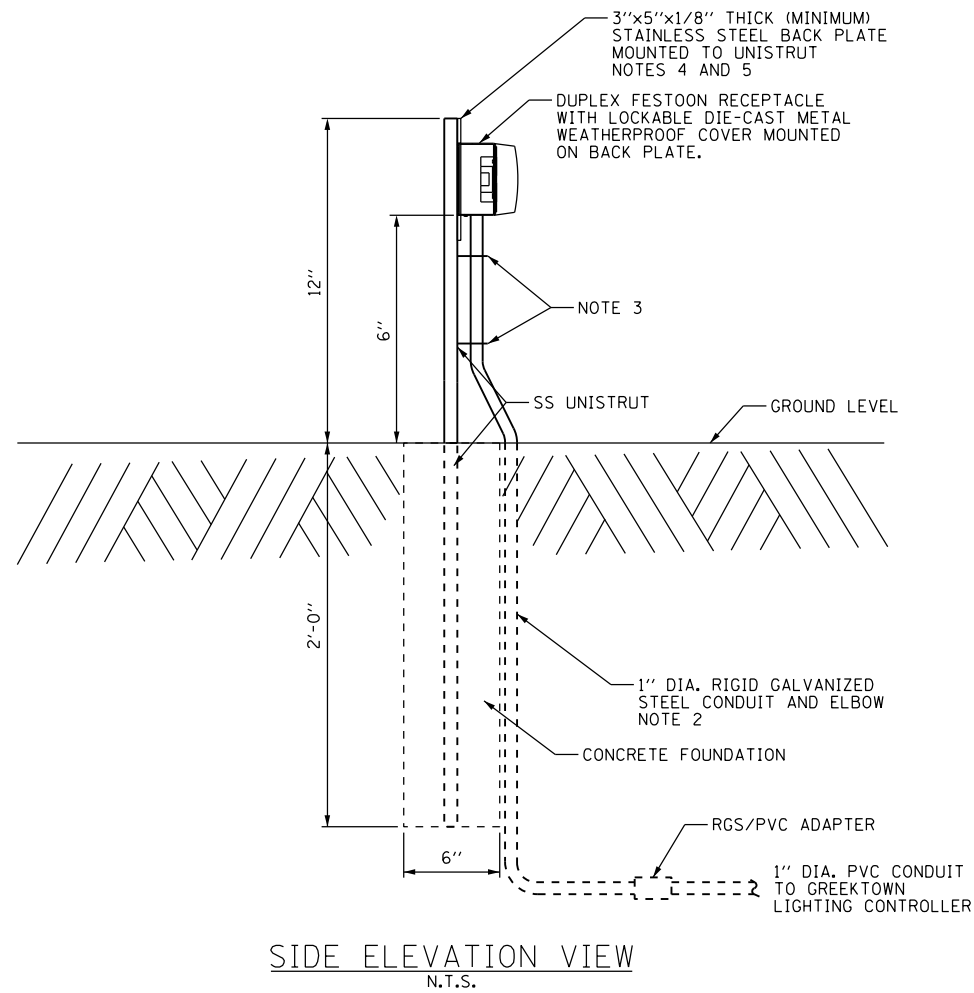
**QUINCY MONUMENT ELECTRICAL PLAN**

SCALE: 1"=5' SHEET 13 OF 21 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	192
CONTRACT NO. 60X99				
ILLINOIS FED. AID PROJECT				



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- NOTES:**
- SEE DRAWING E-12 FOR LOCATION OF THE GROUND MOUNTED RECEPTACLES.
  - 1-INCH DIAMETER RIGID GALVANIZED STEEL CONDUIT AND ELBOW SHALL BE MEASURED AND PAID FOR UNDER THE "CONDUIT ATTACHED TO STRUCTURE, 1" DIA., GALVANIZED STEEL" PAY ITEM.
  - PROVIDE STAINLESS STEEL CONDUIT STRAPS TO SECURE THE CONDUIT TO THE UNISTRUT.
  - DRILL THE BACK PLATE AS REQUIRED TO MOUNT TO UNISTRUT.
  - CUT THE TOP OF THE STAINLESS STEEL C-CHANNEL FLUSH WITH THE TOP OF THE BACKPLATE. PROVIDE AN END CAP FOR THE TOP OF THE C-CHANNEL.

E-13A



D160X99-Sht-Light-13A	DESIGNED - PFD	REVISED -
USER NAME = myersc	DRAWN - CAM	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - WDS	REVISED -
PLOT DATE = 3/29/2017	DATE - 3/31/17	REVISED -

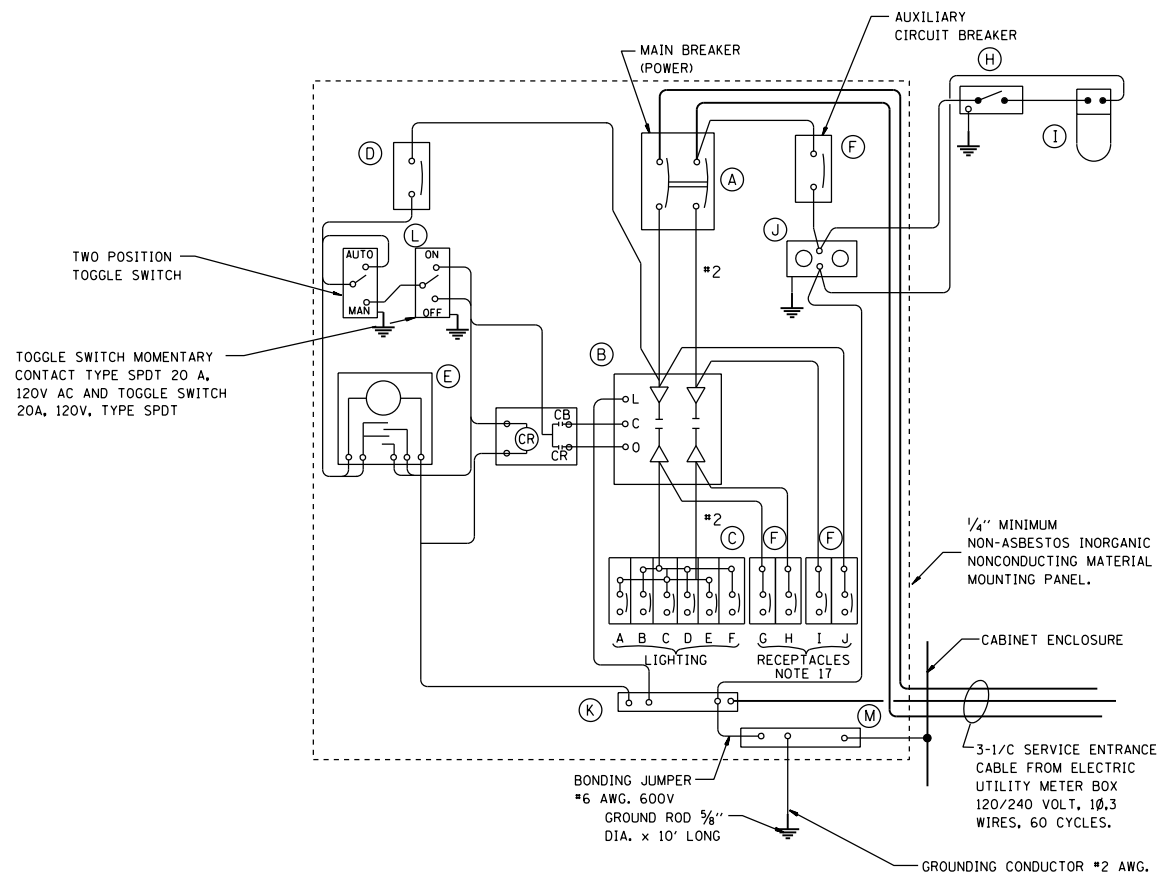
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GROUND MOUNTED RECEPTACLE DETAILS

SCALE: 1"=5' SHEET 13A OF 21 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	192A
CONTRACT NO. 60X99				
ILLINOIS FED. AID PROJECT				

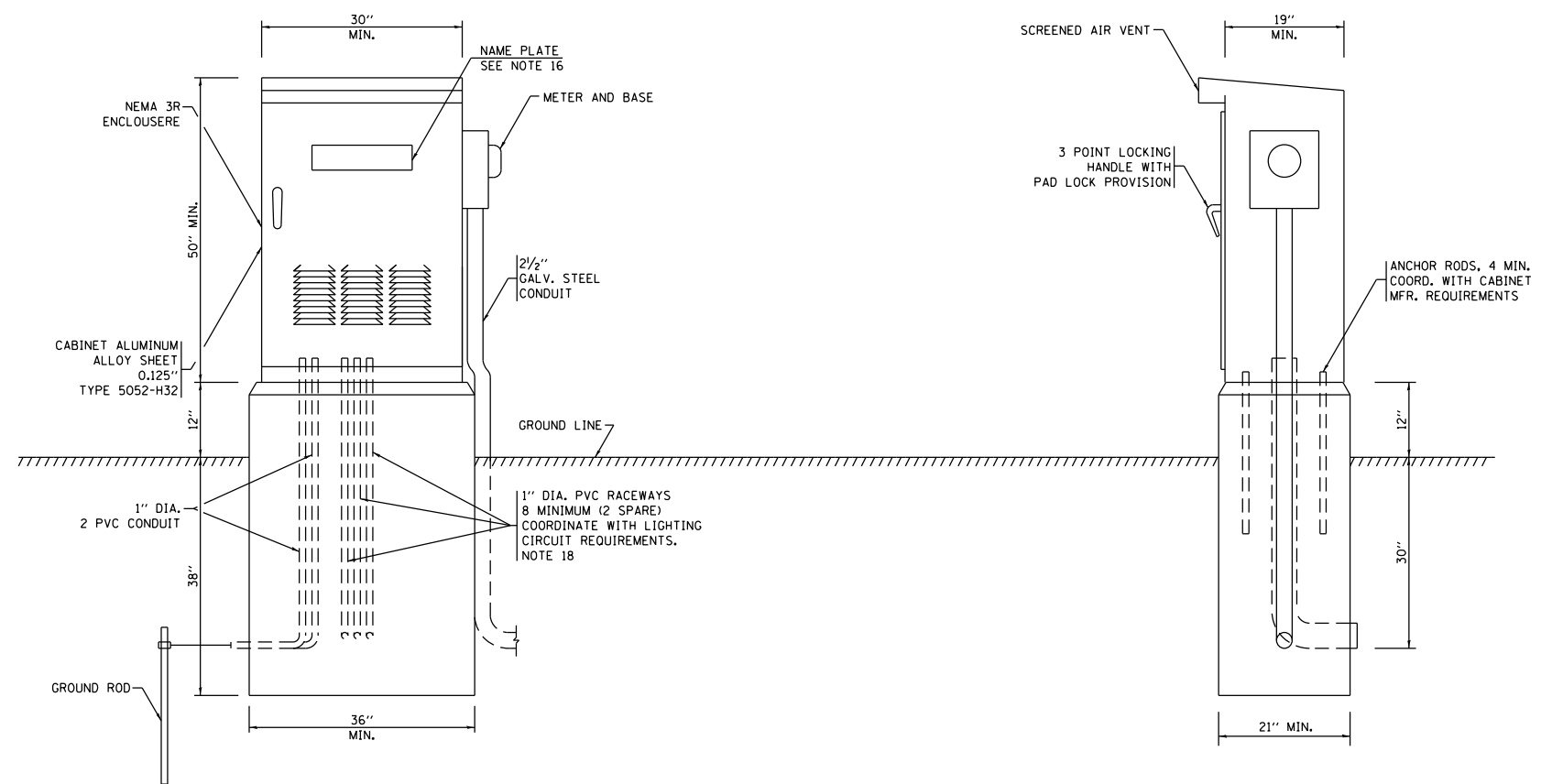
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**PANEL WIRING DIAGRAM**

**PANEL EQUIPMENT**

BILL OF MATERIAL		
ITEM	QUANTITY	DESCRIPTION
A	1	MAIN CIRCUIT BREAKER, 2 POLE, 600 VOLT 100 AMP. FRAME, 100 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-22000 AMP. AT 240 VOLT.
B	1	REMOTE CONTROL SWITCH, ELECTRICALLY OPERATED, MECHANICALLY HELD, 2 POLE, SINGLE THROW, 100 AMP., 600 VOLTS CONTROL CIRCUIT 120 VOLT.
C	6	CIRCUIT BREAKERS, 1 POLE, 100AMP. FRAME, 30 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-10,000 AMP. AT 120 V.
D	1	CIRCUIT-CIRCUIT BREAKER, 1 POLE, 120 V., 100 AMP. FRAME, 15 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-5000 AMP. AT 120 V.
E	1	ASTRONOMIC MICROPROCESSOR-BASED 2-CHANNEL CONTROLLER (TIME SWITCH).
F	5	CIRCUIT BREAKER, 1 POLE, 100 AMP FRAME, 20 AMP NON-INTERCHANGEABLE TRIP, INTERRUPTING RATING NEMA-10,000 AMP, AT 120 VOLTS
G	-	NOT USED
H	1	SPST 20A SWITCH ON DOOR, TO TURN LIGHT ON WHEN DOOR IS OPEN,
I	1	5 WATT LED LIGHTING FIXTURE ENCLOSED AND GASKETED, 120 V. RATED.
J	1	20 A., 120 V., DUPLEX RECEPTACLE, GFCI.
K	1	COPPER GROUND BUS 1/4" X 1" X 12"
L	1	TOGGLE SWITCHES MOUNTED IN 4" X 4" BOX.
M	1	COPPER GROUND BUS 1/4" X 1" X 12" LONG MOUNTED ON PANEL WITH LUGS AND SPARE LUGS



**NOTES:**

- ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.
- FOUNDATION SIZE SHALL BE COORDINATED WITH CABINET SIZE AND MFR.
- NOT USED
- DOOR SHALL BE CONSTRUCTED FROM SAME TYPE OF MATERIAL AND THICKNESS AS CABINET.
- DOOR SHALL BE EQUIPPED WITH THREE POINT LATCHING MECHANISM WITH NYLON ROLLERS AT TOP THE BOTTOM.
- DOOR HINGE SHALL BE A HEAVY GAUGE CONTINUOUS HINGE WITH A 1/4" DIA. STAINLESS STEEL HINGE PIN.
- ALL EXTERNAL HARDWARE SHALL BE STAINLESS STEEL.
- CONTROL WIRING TO BE #12 AWG, 600V, TYPE "SIS" GRAY SWITCH BOARD WIRE, STRANDED COPPER.
- METER BOX SHALL BE MOUNTED ON THE SIDE OF CONTROL CABINET, NEAR TO THE SERVICE POLE.
- CABINETS SHALL BE PRIMED AND PAINTED AS SPECIFIED.
- THE HEADS OF CONNECTORS SCREWS SHALL BE PAINTED WHITE FOR NEUTRAL BAR CONNECTION AND GREEN FOR GROUND BAR CONNECTORS.
- ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED.  
R = RED BL = BLUE W = WHITE  
B = BLACK Y = YELLOW G = GREEN
- PROVIDE SEALING GROMMETS FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES OR CABINETS WITHIN THE CONTROL CABINET.
- ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
- THE CONTROLLER SHALL BE CONSTRUCTED TO U.L. STD. 508 AND BEAR THE U.L. LABEL "ENCLOSED INDUSTRIAL CONTROL PANEL".
- 12" X 16" STAINLESS STEEL EXTERIOR NAMEPLATE SHALL BE ENGRAVED TO "CITY OF CHICAGO LIGHTING CONTROLLER" UNLESS OTHERWISE SPECIFIED.
- CONTRACTOR TO VERIFY WITH GREEKTOWN WHICH RECEPTACLE CIRCUITS WILL BE CONNECTED UPSTREAM FROM THE LIGHTING REMOTE CONTROL SWITCH TO BE ENERGIZED 24/7 AND WHICH RECEPTACLE CIRCUITS WILL BE CONTROLLED BY THE ASTRONOMICAL CONTROLLER PRIOR TO ORDERING THE LIGHTING CONTROLLER EQUIPMENT.
- CAP ALL SPARE CONDUITS.



D160X99-sht-Light-14  
 USER NAME = myersc  
 PLOT SCALE = 100.0000' / in.  
 PLOT DATE = 3/29/2017

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 CHECKED - WDS  
 DATE - 3/31/17

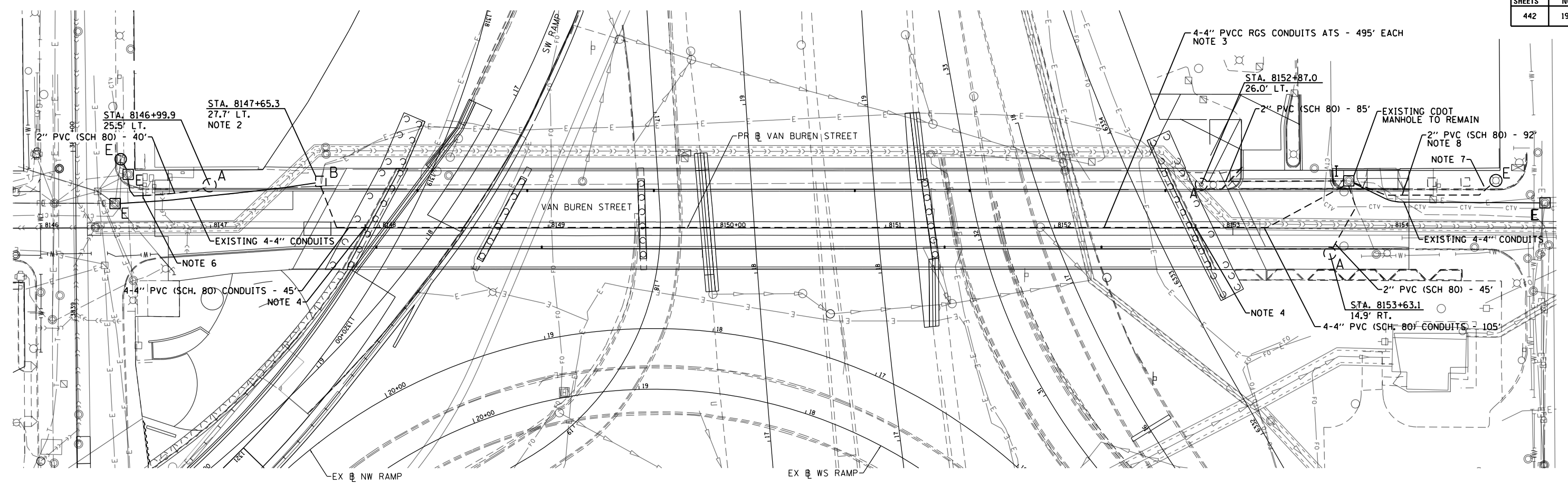
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**GREEKTOWN LIGHTING CONTROLLER**

SCALE: N.T.S. SHEET 14 OF 21 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	193
CONTRACT NO. 60X99				
ILLINOIS FED. AID PROJECT				



"A" PROVIDE 28"x7", 1-1/4" A.R., 15" B.C. FOUNDATION FOR LIGHT POLE PER DWG. NOS. 818 & 837.

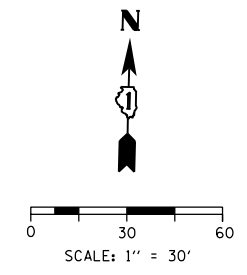
"B" PROVIDE 3'x4'x4' CONCRETE MANHOLE WITH 30" FRAME AND COVER PER DWG. NOS. 729 & 874.

"E" EXISTING TO REMAIN

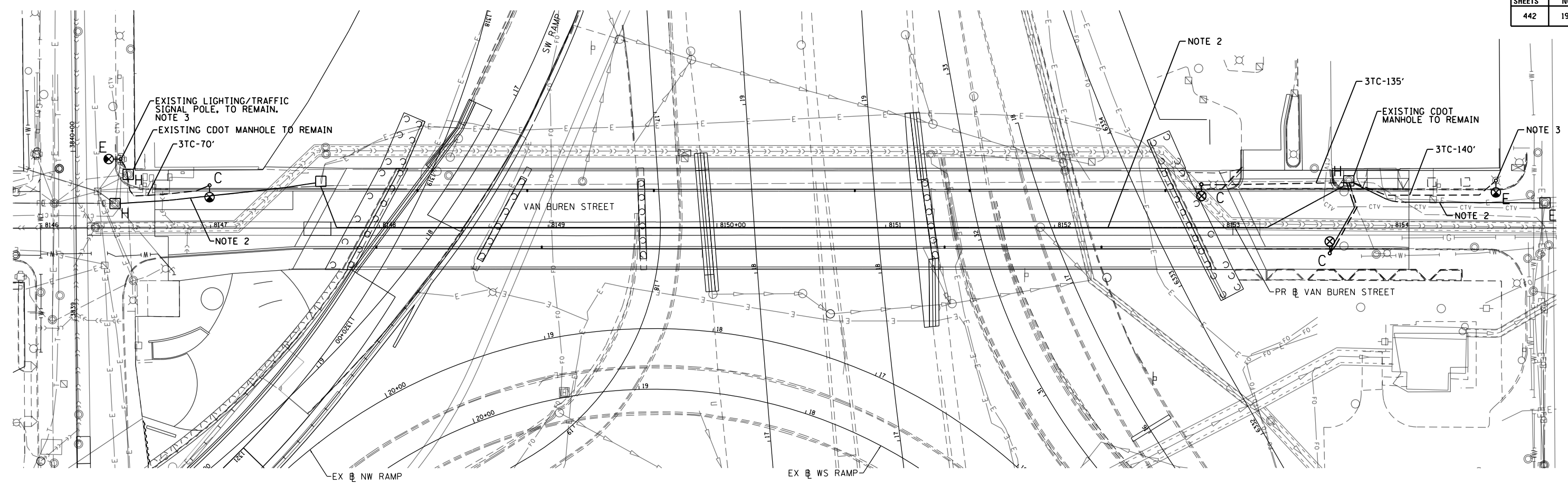
"I" DRILL/CLEAN EXISTING MANHOLE

NOTES:

- SEE DRAWING E-19 FOR CDOT ELECTRICAL SYMBOLS AND ABBREVIATIONS.
- INTERCEPT EXISTING DUCTBANK WITH A PROPOSED CDOT MANHOLE (PER STANDARD CDOT DRAWINGS 730 AND 872). ALL CONDUITS, LABOR AND APPURTENANT MATERIALS NECESSARY TO CONNECT THE EXISTING 4D DUCTBANK TO THE PROPOSED MANHOLE WILL BE INCLUDED IN THE COST OF THE MANHOLE.
- PROVIDE FOUR 4" PVC COATED RIGID GALVANIZED CONDUITS ATTACHED TO STRUCTURE. THE CONDUITS SHALL BE MOUNTED UNDER THE BRIDGE DECK IN BETWEEN GIRDERS 4 & 5. LOCATION OF THE CONDUITS SHOWN ARE APPROXIMATE. SEE STRUCTURAL PLANS FOR EXACT LOCATION.
- DEMARCATON POINT TO TRANSITION FROM FOUR - 4" PVC (SCH. 80) CONDUITS IN GRADE TO PVC COATED RIGID GALVANIZED STEEL CONDUIT ATTACHED TO STRUCTURE.
- ALL STATION AND OFFSETS ARE BASED ON THE PROPOSED VAN BUREN STREET BASELINE.
- INTERCEPT THE EXISTING CONDUIT TO REMAIN AT THE PROJECT LIMITS. THE CONTRACTOR SHALL VERIFY THE EXISTING CONDUIT TO REMAIN IS PULLABLE BEFORE ANY INSTALLATION WORK SHALL BEGIN.
- ROUTE A 2" PVC (SCHEDULE 80) CONDUIT TO THE TRAFFIC SIGNAL/LIGHT POLE AND INTERCEPT THE CONDUIT LOCATED IN ITS FOUNDATION UNDERNEATH THE SIDEWALK.
- SAW CUT AND REMOVE THE EXISTING PAVEMENT TO INSTALL THE NEW CONDUIT. THE PAVEMENT SHALL BE RESTORED AND THE TRENCH FILLED PER CDOT STANDARD A-2-2A. THE WORK TO REMOVE AND RESTORE THE EXISTING PAVEMENT INCLUDING ALL MATERIALS, DISPOSAL AND BACK-FILLING WILL NOT BE PAID FOR SEPARATE AND SHALL BE INCLUDED IN THE COST OF THE "UNDERGROUND CONDUIT, PVC, 2" DIA., SCHEDULE 80 (CDOT)" PAY ITEM.



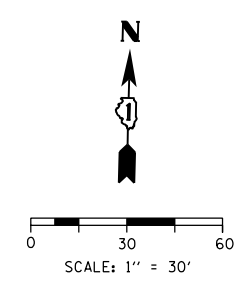
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<b>CITY OF CHICAGO</b>	
DEPARTMENT OF TRANSPORTATION DIVISION OF ENGINEERING	
CONSULTANT: <b>AECOM</b> <small>303 EAST WACKER DRIVE, SUITE 1400 CHICAGO, IL 60601-5276 PHONE: (312) 373-7700 FAX: (312) 373-6800</small>	
WORK ORDER NO. _____	DATE _____
COST ALLOCATION ACCOUNT _____	
APPROPRIATION ACCOUNT _____	MATERIAL _____ LABOR _____
<b>VAN BUREN STREET CONDUIT AND FOUNDATION PLAN</b>	
<b>CITY OF CHICAGO</b> DEPT. OF TRANSPORTATION DIVISION OF ELECTRICAL OPERATIONS	
DRAFTSMAN: CAM	ENGINEER: PFD
SUPERVISING ENGINEER: WDS	ELEC. DESIGN ENGR.
ENGINEER OF ELECTRICITY:	<b>E-15</b>
GEN'L SUPT. OF ELECTRICITY:	
DEPUTY COMMISSIONER:	
SIZE: 22"   34"	
DATE: 12/14/16	DATE: 12/14/16
C.D.O.T. PROJECT NO.:	DWG. NO.: 15 OF 21



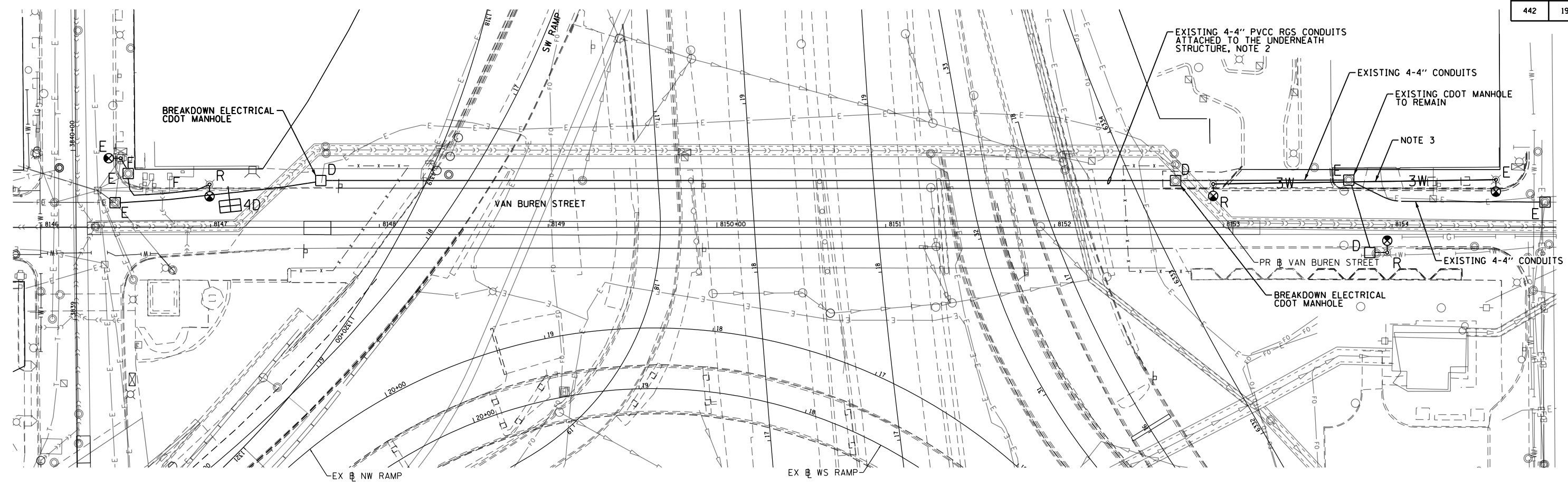
"C" RE-ERECT EXISTING LIGHTING UNIT ON A NEW FOUNDATION  
 "E" EXISTING TO REMAIN  
 "H" RACK CABLES IN MANHOLE

**NOTES:**

- SEE DRAWING E-19 FOR CDOT ELECTRICAL SYMBOLS AND ABBREVIATIONS.
- OEMC AND COMCAST CABLES TO BE INSTALLED BY OTHERS AT A LATER DATE.
- CONNECT PROPOSED TRIPLEX CABLES TO THE EXISTING LIGHTING CIRCUIT IN THE LIGHTING/TRAFFIC SIGNAL COMBO POLE.



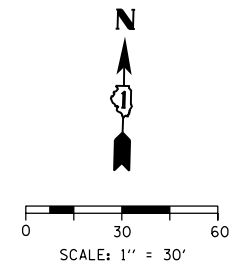
DATE	REVISION
<b>CITY OF CHICAGO</b> DEPARTMENT OF TRANSPORTATION DIVISION OF ENGINEERING	
CONSULTANT:  <small>303 EAST WACKER DRIVE, SUITE 1400          CHICAGO, IL 60601-5276          PHONE: (312) 373-7700 FAX: (312) 373-6800</small>	
WORK ORDER NO. _____	DATE _____
COST ALLOCATION ACCOUNT _____	
APPROPRIATION ACCOUNT _____	MATERIAL _____ LABOR _____
<b>VAN BUREN STREET</b> <b>LIGHTING CABLE AND</b> <b>EQUIPMENT INSTALLATION PLAN</b>	
<b>CITY OF CHICAGO</b> <small>DEPT. OF TRANSPORTATION          DIVISION OF ELECTRICAL OPERATIONS</small>	
DRAFTSMAN: CAM	CHIEF DRAFTSMAN: ENGINEER: PFD
SUPERVISING ENGINEER: WDS	ELEC. DESIGN ENGR.
ENGINEER OF ELECTRICITY:	E-16
GEN'L SUPT. OF ELECTRICITY:	
DEPUTY COMMISSIONER:	
SIZE: 22"   34"    SCALE: 1" = 30'    DATE: 12/14/16	
DATE: 12/14/16	DWG. NO.: 16 OF 21
C.D.O.T. PROJECT NO.:	



"D" BREAK DOWN EXISTING MANHOLE  
 "R" REMOVE EXISTING STEEL POLE, LUMINAIRE AND MAST ARM. BREAK DOWN FOUNDATION COMPLETE  
 "E" EXISTING TO REMAIN  
 "F" REMOVE EXISTING LIGHTING CABLES IN CONDUIT. ROD AND CLEAN CONDUIT.

**NOTES:**

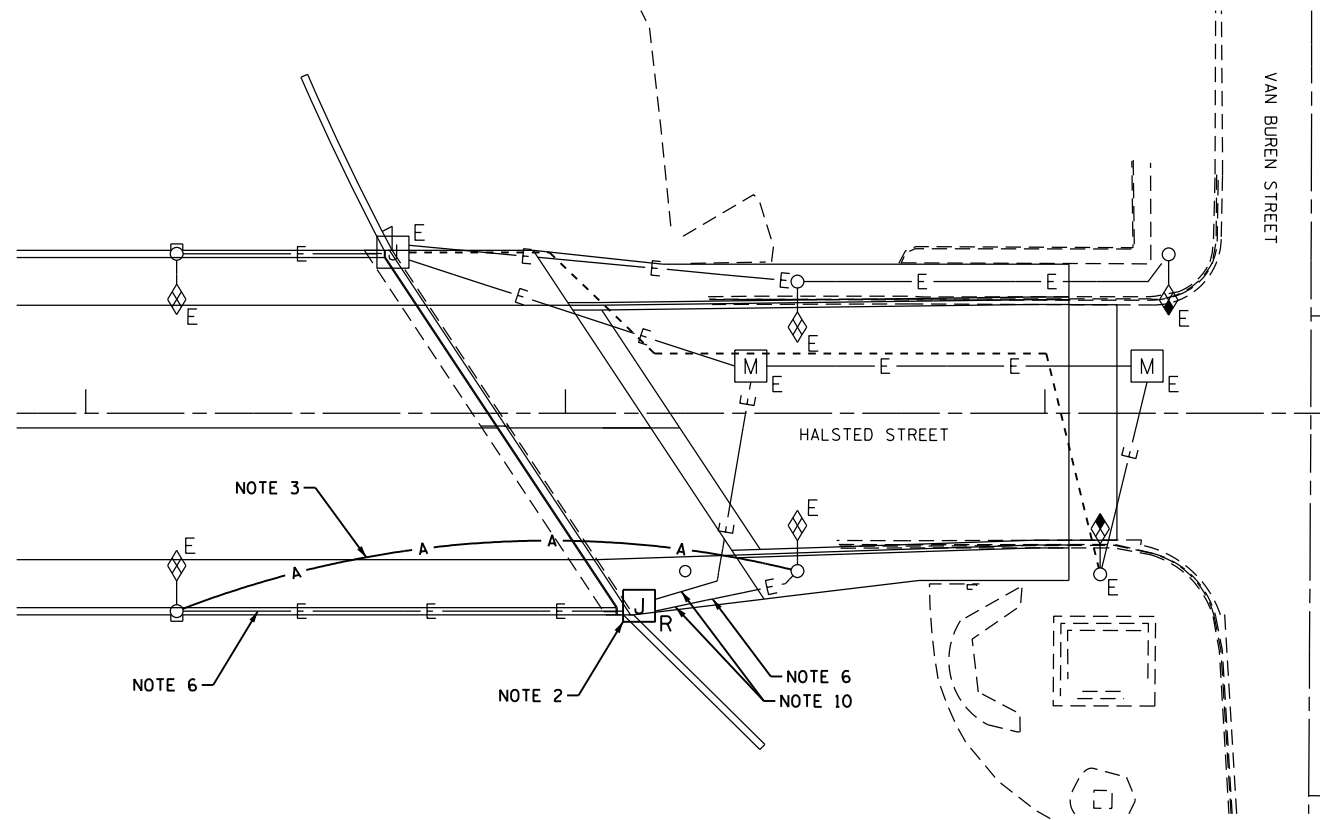
1. SEE DRAWING E-19 FOR CDOT ELECTRICAL SYMBOLS AND ABBREVIATIONS.
2. THE EXISTING CONDUITS WILL NOT BE REMOVED SEPARATELY AND WILL BE INCLUDED IN THE COST OF THE DEMOLITION OF THE BRIDGE.
3. REMOVE EXISTING AERIAL CABLE CONNECTING THE EXISTING STEEL POLES. THIS WORK WILL BE INCLUDED IN THE COST OF THE "REMOVE AERIAL CABLE" PAY ITEM.



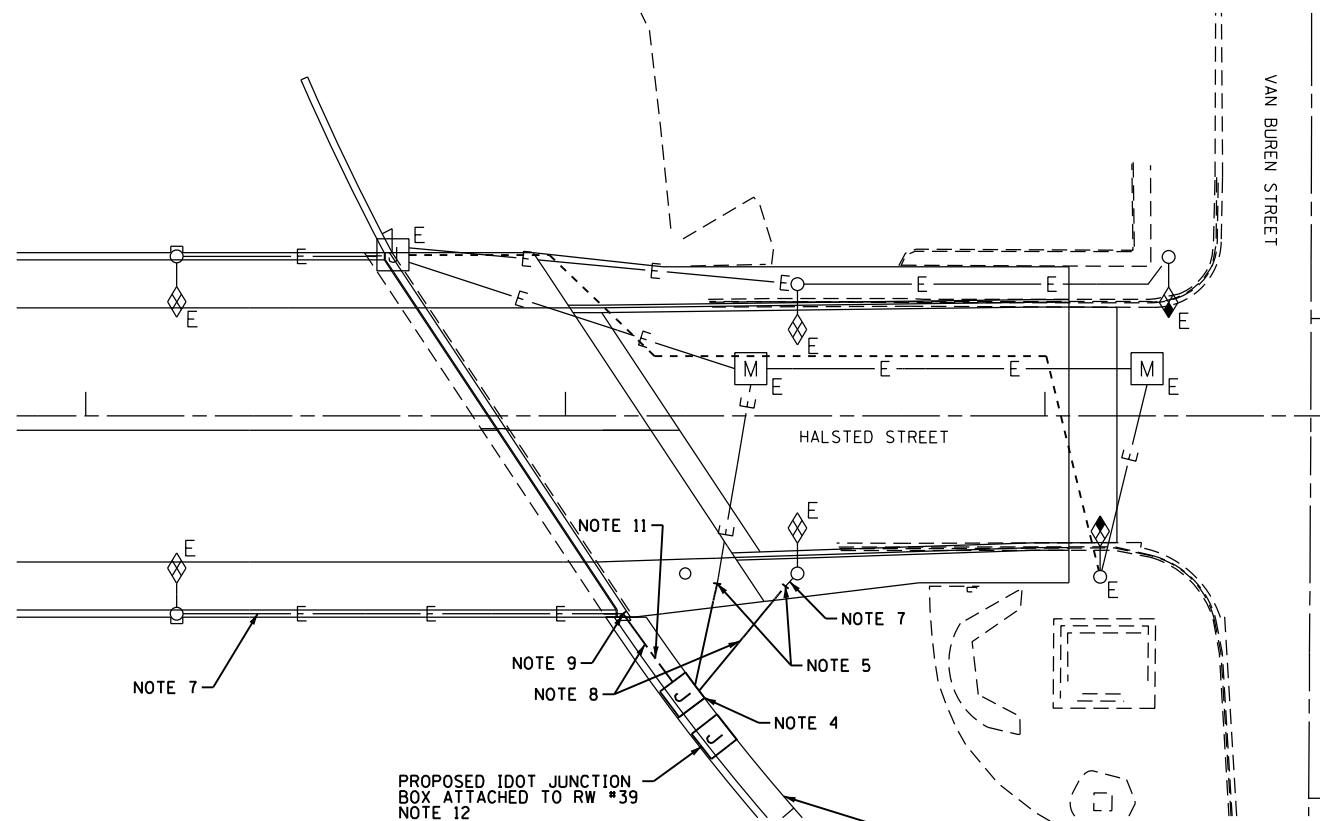
DATE	REVISION
<b>CITY OF CHICAGO</b>	
DEPARTMENT OF TRANSPORTATION DIVISION OF ENGINEERING	
CONSULTANT: <b>AECOM</b> <small>303 EAST WACKER DRIVE, SUITE 1400 CHICAGO, IL 60601-5276 PHONE: (312) 373-7700 FAX: (312) 373-6800</small>	
WORK ORDER NO. _____	DATE _____
COST ALLOCATION ACCOUNT _____	
APPROPRIATION ACCOUNT _____	MATERIAL _____ LABOR _____
<b>VAN BUREN STREET LIGHTING REMOVAL PLAN</b>	
<b>CITY OF CHICAGO</b> DEPT. OF TRANSPORTATION DIVISION OF ELECTRICAL OPERATIONS	
DRAFTSMAN: CAM	CHIEF DRAFTSMAN: PFD
SUPERVISING ENGINEER: WDS	ELEC. DESIGN ENGR.
ENGINEER OF ELECTRICITY:	
GEN'L SUPT. OF ELECTRICITY:	
DEPUTY COMMISSIONER:	
SIZE: 22"   34"	SCALE: 1" = 30'
DATE: 12/14/16	DATE: 12/14/16
C.D.O.T. PROJECT NO.:	DWG. NO.: 17 OF 21

E-17

FILE PATH = p:\617479-PMINT\rescom\line\local\AECOM\0502\_NA\Documents\01\_Americas\Tr\_enrgor-tation\60269438\_Circle\Phase\_11\000\_CAD\016\_Electrical\Sheets\60x99\_sht-Light-17A



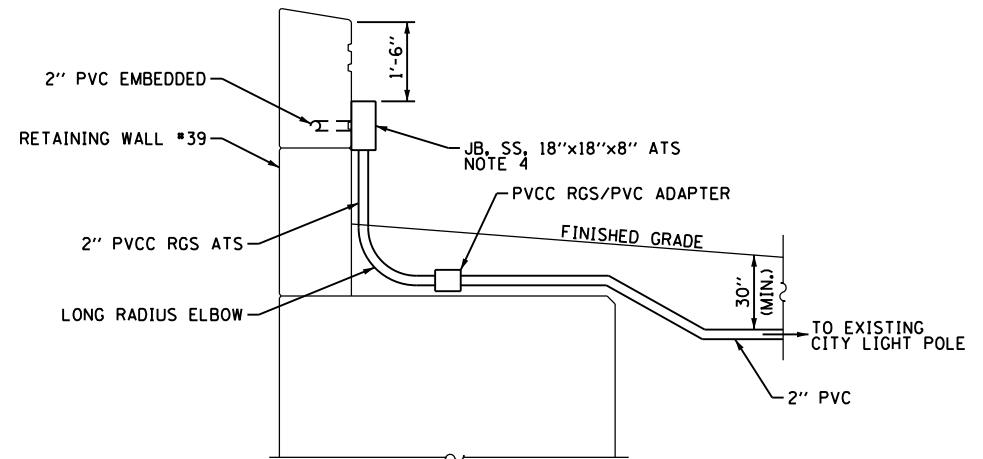
**EXISTING/TEMPORARY LIGHTING PLAN**



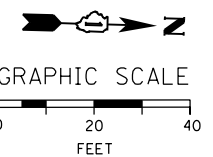
**PROPOSED LIGHTING PLAN**

**NOTES:**

1. SEE DRAWING E-01 FOR IDOT SYMBOL LIST AND DETAILS.
2. REMOVE AND RELOCATE THE EXISTING 18"x18"x8" JUNCTION BOX AS SHOWN.
3. PROVIDE 2\*6 AERIAL CABLES WITH MESSENGER TO PROVIDE TEMPORARY POWER TO THE CITY LIGHT POLE. CONNECT THE TEMPORARY AERIAL CABLES TO THE EXISTING LIGHTING CIRCUITS AT EACH POLE. THE TEMPORARY AERIAL CABLES SHALL BE REMOVED AND DISPOSED OF PROPERLY AFTER THE PERMANENT LIGHTING HAVE BEEN INSTALLED AND ENERGIZED.
4. INSTALL THE RELOCATED JUNCTION BOX ON THE BACKSIDE OF RETAINING WALL NO. 39. SEE DETAIL "A" THIS SHEET.
5. ROUTE 2-INCH PVC CONDUITS BELOW GRADE TO INTERCEPT THE EXISTING CITY CONDUITS AT THE SIDEWALK.
6. DISCONNECT AND REMOVE THE EXISTING CITY LIGHTING CABLES FROM EXISTING CONDUIT BETWEEN THE TWO EXISTING CITY LIGHT POLES. ROD AND CLEAN THE CONDUIT.
7. INSTALL NEW 2\*6 AND 1\*8 GROUND TRIPLEX CABLES IN EXISTING CONDUIT AND CONNECT TO EXISTING LIGHTING CIRCUITS IN CITY LIGHT POLES.
8. INSTALL NEW 2\*6 AND 1\*8 GROUND TRIPLEX CABLES IN NEW CONDUIT AND CONNECT TO EXISTING LIGHTING CIRCUITS.
9. INTERCEPT EXISTING CONDUIT STUBBED OUT OF THE HALSTED STREET EAST PARAPET WALL AND CONNECT TO CONDUIT EMBEDDED IN RETAINING WALL NO. 39.
10. REMOVE THE SECTION OF EXISTING EXPOSED CONDUIT FROM THE EXISTING JUNCTION BOX MOUNTED ON THE HALSTED STREET BRIDGE EAST PARAPET WALL TO WHERE THE CONDUIT IS ROUTED UNDER THE EAST SIDEWALK. THIS CONDUIT REMOVAL SHALL BE PAID FOR UNDER THE "REMOVE CONDUIT ATTACHED TO STRUCTURE" PAY ITEM.
11. PROVIDE 2" PVC CONDUIT EMBEDDED IN STRUCTURE (RETAINING WALL #39) FROM THE HALSTED STREET PARAPET WALL TO THE RELOCATED JUNCTION BOX AS SHOWN. PROVIDE ALL CONDUIT FITTINGS AND ELBOWS REQUIRED FOR A COMPLETE INSTALLATION.
12. THE RELOCATED CITY JUNCTION BOX SHALL BE MOUNTED TO THE BACKSIDE OF RETAINING WALL #39 AS SHOWN. THIS CITY JUNCTION BOX SHALL BE MOUNTED APPROXIMATELY 6'-0" FROM THE END OF THE WALL AND EAST OF THE PROPOSED IDOT JUNCTION BOX INSTALLED IN THE SAME AREA. COORDINATE THE INSTALLATION OF THE TWO ADJACENT JUNCTION BOXES IN THE FIELD. SEE DRAWING E-05 FOR THE LOCATION OF THE IDOT JUNCTION BOX.



**DETAIL - A**  
NOT TO SCALE



D160X99-sht-Light-17A  
USER NAME = myersc  
PLOT SCALE = 40.0000' / in.  
PLOT DATE = 3/29/2017

DESIGNED - WDS  
DRAWN - CAM  
CHECKED - WDS  
DATE - 3/31/17

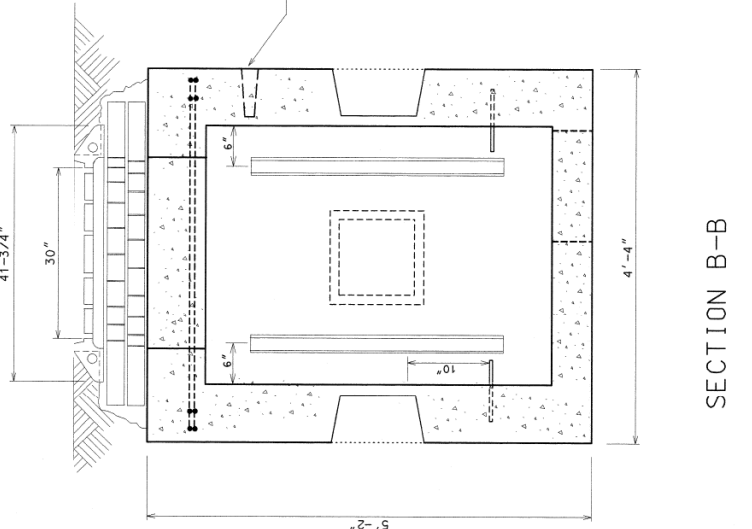
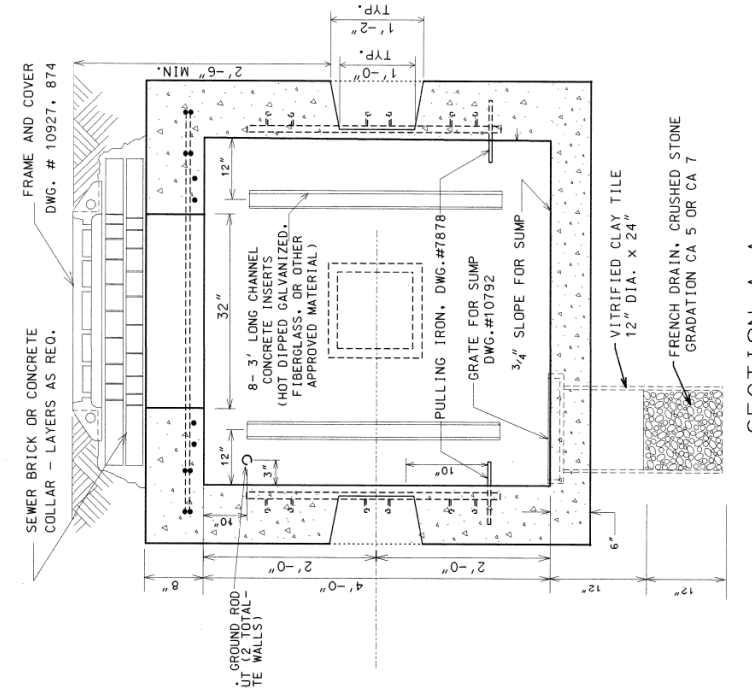
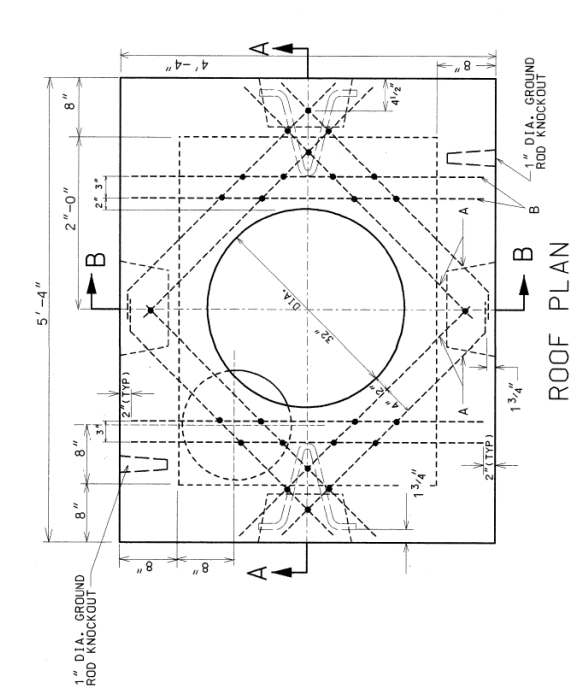
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REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CDOT JUNCTION BOX AND STREET LIGHTING CONDUIT RELOCATION**

SCALE: 1"=20' SHEET 17A OF 21 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	196A
CONTRACT NO. 60X99				
ILLINOIS FED. AID PROJECT				



DRG.	MATERIAL	CODE	SIZE	Qty	Req
	FORM FOR MANHOLE	17-6674-6000	3'x4'x4'	1	
	CONDUIT END BELL	17-6644-5320	AS REQ.		
	TILE, SEWER	39-4036-3200	14" x 14"		
	SLAB BOLSTER		2"	20'	
	BAR, REINFORCING	20-5472-9650	3/8" x 38'		
	TIE WIRE	13-9939-6106	#20x4'x5'		
	PULLING IRON	02-4483-6970	3/4" x 2'		
	CONCRETE	05-3267-2940	3 CU. YDS		
	SEWER BRICK	05-1452-9720	STD. 50		
	GRATE FOR SUMP	02-4368-7100	15" x 15"		
	GROUND ROD	09-7796-9209	3/4" x 10'		
	GROUND ROD CLAMP	09-2636-3240	3/4"		
	CRUSHED STONE	05-9057-5471	3/4" BMS		
	MANHOLE FRAME	02-4299-5624	30"		
	MANHOLE COVER	02-4574-5040	30"		
	CONC. CHANNEL INSERT	02-4574-5040	3'		

**NOTES:**

1. PRECAST MANHOLES MUST BE PROVIDED WITH CHANNEL INSERTS, PULLING IRONS, AND CONDUIT KNOCK-OUTS.
2. ALL CONCRETE MUST BE PORTLAND CEMENT CONCRETE MEETING IDOT REQUIREMENTS FOR CLASS PC CONCRETE FOR PRE-CAST STRUCTURES, OR CLASS S1 CONCRETE FOR CAST-IN-PLACE STRUCTURES.
3. REINFORCING BARS MUST MEET ASTM A615 GRADE 60.

DATE	REVISION
8/21/02	SUPERSEDES DWG. 729 DATED JAN 12, 1996
1/12/96	SUPERSEDES DWG. 729 DATED NOV. 21, 1973

**3' x 4' x 4' CONCRETE MANHOLE WITH 30" FRAME AND COVER**

CITY OF CHICAGO  
DEPT. OF STREETS AND SANITATION  
BUREAU OF ELECTRICAL ENGINEERING  
DIVISION OF ELECTRICAL ENGINEERING  
DRAFTSMAN: R. CARTER  
ELECTRICAL DESIGN ENGINEER: B. GARNSEY  
ENGINEER IN CHARGE: B. GARNSEY  
GENERAL SUPERINTENDENT: *Blas S. Aguayo*  
DEPUTY SUPERINTENDENT: *Blas S. Aguayo*

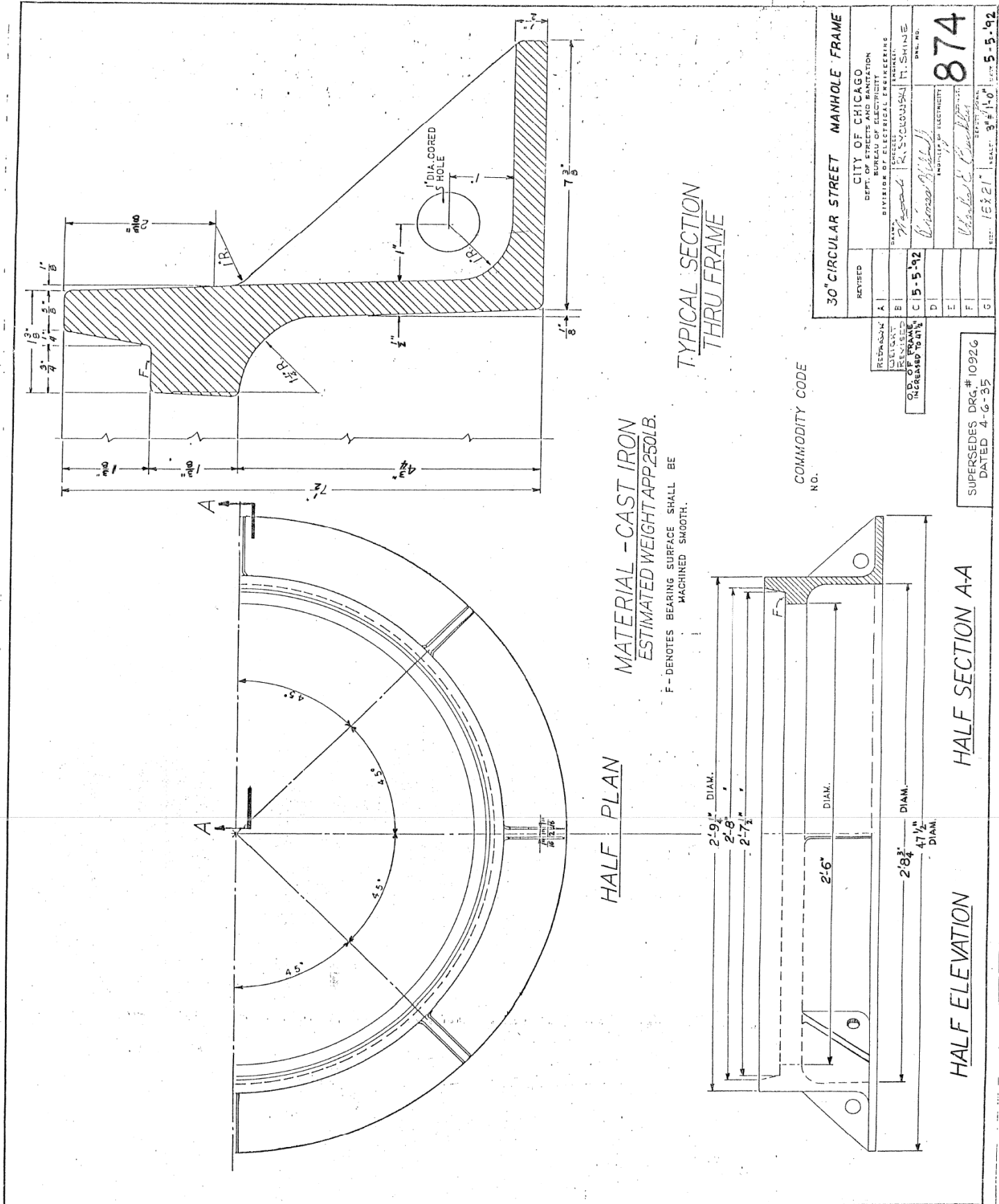
729

SCALE: NONE  
DATE: 8/21/02

EXCAVATION (CONSTRUCTION INFORMATION)	
COMPLETE MANHOLE	5.0 CU. YDS.
NEW ROOF ONLY	2.0 CU. YDS.
SHEETING MANHOLE	150.0 SQ. FT.

#5 REINFORCING BARS	
BAR LENGTH	NO. OF RODS
A 2'-9"	8
B 4'-0"	4
TOTAL FT. 22'-0"	
16'-0"	

MATERIALS FOR ROOF ONLY	
CONCRETE	0.5 CU. YDS.
REINFORCING BARS #5	38'



CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICAL ENGINEERING	
DESIGNED BY	R. CARTER
CHECKED BY	B. GARNSEY
DATE	8/21/02

30" CIRCULAR STREET MANHOLE FRAME

REVISED	BY	DATE
A		
B		
C		
D		
E		
F		
G		

874

153.21

5-5-92



D160X99-sht-Light-18  
USER NAME = myersc  
PLOT SCALE = 2.0000' / in.  
PLOT DATE = 12/8/2016

DESIGNED - PFD	REVISED -
DRAWN - CAM	REVISED -
CHECKED - WDS	REVISED -
DATE - 12/14/16	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CDOT DETAILS  
SCALE: N.T.S. SHEET 18 OF 21 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	197

CONTRACT NO. 60X99

ILLINOIS FED. AID PROJECT

FILE PATH = p:\61779-PM\INT.dwg\CDM\_0502\99-sht-Light-19.ctb; Project Location: S:\2000\60X99\Electrical\Sheets\60X99-sht-Light-19

PROPOSED	PRESENT	
		SIGNAL, TRAFFIC 3 SECTION 1-WAY ADJUSTABLE, 12" OR AS NOTED
		SIGNAL, TRAFFIC 3 SECTION 2-WAY ADJUSTABLE, 12" OR AS NOTED
		SIGNAL OPTICALLY PROGRAMMED
		SIGNAL, PEDESTRIAN, DON'T WALK/WALK
		SIGNAL FACE ARROW, 12" COLOR AS NOTED
		SIGNAL FACE, 1 SECTION YELLOW/GREEN ARROW DUAL INDICATION
		PUSH BUTTON, PEDESTRIAN
		SIGN, ILLUMINATED, WITH MESSAGE OR SYMBOL AS INDICATED
		MAST ARM, MONOTUBE, STEEL. SIZE AS INDICATED (SEE DWG. #870)
		MAST ARM, TRUSS, ALUMINUM. SIZE AS INDICATED
		CONTROLLER, TRAFFIC SIGNAL. PEDESTAL OR BASE MOUNTED AS INDICATED
		CONTROLLER, STREET LIGHTING. PEDESTAL OR BASE MOUNTED. (DWG. 876 or 880)
		CONTROLLER, STREET LIGHTING. POLE MOUNTED (DWG. #11940)
		POLE, WOOD. COMMONWEALTH EDISON COMPANY, SERVICE
		POLE, CITY STEEL, ANCHOR BASE, 34'-6", 7 GA. 10" DI A. AND 15" B.C. 24"X7' FND. W/1 1/4" ANCHOR RODS DRG. #818.
		POLE, CITY STEEL, ANCHOR BASE, 34'-6", 3 GA. 10" DIA. AND 15" B.C. 24"X9' FND. W/1 1/4" ANCHOR RODS DRG. #818 (16', 20' or 26' M.A.)
		POLE, CITY STEEL, ANCHOR BASE, 34'-6", 3 GA., 11" DIA. AND 17 1/4" B.C. 30"X9' FND. W/1 1/4" ANCHOR RODS DRG. #816. (30' M.A.)
		POLE, CITY STEEL, ANCHOR BASE 34'-6", 3 GA. 12 1/2" DIA. AND 16 1/2" B.C. 30"X11' FND. W/1 1/2" ANCHOR RODS DRG. #817. (35", 40' or 44' M.A.)
		POLE, CITY STEEL, ANCHOR BASE, 32'-6", 3 GA. 10" DIA., WITH 3 GA. BAL. HSG. BASE AND 17 1/4" B. C. ON 30"X9' FND. W/ 11/4" ANCHOR RODS DRG. #816.
		POLE, CITY STEEL, ANCHOR BASE, 20', 27'-6", 29'-6", 7 GA. WITH STEEL BAL. HSG. BASE AND FND. W/10" D. B.C. AND 1" ANCHOR RODS DRG. #716.
		POLE, CITY STEEL, ANCHOR BASE, 20', 27'-6", 29'-6", 3 GA., WITH STEEL BAL. HSG. BASE AND FND. W/10" D. B.C. AND 1" ANCHOR RODS DRG. #719.
		POLE, CITY STEEL, ANCHOR BASE, 20', 27'-6", 29'-6" 7 GA., AND FND. WITH 10" B.C. AND 1" ANCHOR RODS DRG. #11408B.
		POLE, CITY STEEL, ANCHOR BASE, 20', 27'-6", 29'-6" 3 GA., AND FND. WITH 10" B.C. AND 1" ANCHOR RODS DRG. #11408B.
		POLE, CITY STEEL, ANCHOR BASE, 32'-6", 7 GA., AND FND. WITH 11 1/2" B.C. AND 1" ANCHOR RODS DRG. #753.
		POLE, CITY STEEL, ANCHOR BASE, 32'-6", 3 GA., AND FND. WITH 11 1/2" B.C. AND 1" ANCHOR RODS DRG. #753.
		POLE, CITY STEEL, ANCHOR BASE, 32'-6", 7 GA., ALUM. BHB AND FND. WITH 15" B.C.-24"X7' WITH 1" ANCHOR RODS DRG. #691.
		POLE, CITY STEEL, ANCHOR BASE, 32'-6", 3 GA., ALUM. BHB AND FND. WITH 15" B.C. 24"X7' WITH 1" ANCHOR RODS DRG. #691.
		POLE, CITY ALUMINUM, WITH ROUND BAL. HSG. BASE, 25', 28', or 30' ON FND. WITH 14" B.C., ACQUIRED FROM CHICAGO PARK DISTRICT.
		POLE, CITY STEEL, EMBEDDED, 4"X 9"X 35' 7 GA., TAPERED TUBULAR. (DWG. #658)
		POLE, CITY STEEL, EMBEDDED, 4"X 9"X 35' 3 GA., TAPERED TUBULAR. (DWG. #658)
		POLE, CITY STEEL, EMBEDDED. (ACQUIRED FROM CTA)
		COLUMN, ELEVATED STRUCTURE
		POLE, WOOD. (SIZE AS NOTED)
		POLE, FOUNDATION WITH ELBOWS AS INDICATED. (SIZE AS NOTED)
		POLE, ORNAMENTAL OR OTHER, AS INDICATED ON THE PLANS

PROPOSED	PRESENT	
		HANDHOLE, HEAVY DUTY, 36" I.D. (DWG.#866)
		HANDHOLE, CIRCULAR WITH 24" FRAME & COVER, 30" I.D. (#867)
		MANHOLE, CITY 3'X4'X4' DWG. #729 or 730; 4'X6'X6' DWG. #732 or 733.
		FOUNDATION, CONTROLLER OR PEDESTAL, 13" B.C., 20"X5' (DWG. #709)
		FOUNDATION, TRAFFIC CONTROLLER DWG. #854. F.A. TERMINAL FND. DWG. #11972
		FOUNDATION, TRAFFIC TYPE "P", BASE MOUNT. (DWG. #888)
		FOUNDATION, CONTROLLER STREET LIGHT, SPECIAL, 100A & 200A. (DWG.#876 & # 880)
		FOUNDATION, TRANSCLOSURE; TRANSCLOSURE HOUSING. (DWG.# 583 & #891)
		CONTROLLER, UNDERPASS LIGHTING 120V. & 240V. (DWG. #860 & #861)
		MANHOLE, UTILITY, E=COMMONWEALTH EDISON; T=ILL. BELL TEL.; G=PEOPLES GAS; W=CITY WATER; P=CHGO PARK DISTRICT; CTA=C.T.A.; S=SEWER
		JUNCTION BOX, IN PAVEMENT (DWG. #815)
		DETECTOR LOOP IN PAVEMENT
		CONDUIT or P.V.C., NUMBER, SIZE & TYPE. (AS NOTED)
		CONDUIT or P.V.C. ENCASED IN CONCRETE. (SECTION or NUMBER OF CONDUIT INDICATED)
		LUMINAIRE, H.P.S.V. 400W LAMP, 240V, SEMI-CUTOFF
		LUMINAIRE, H.P.S.V. 400W LAMP, 240V, CUTOFF
		LUMINAIRE, H.P.S.V. 310W LAMP, 240V
		LUMINAIRE, H.P.S.V. 310W LAMP 240V, CUTOFF
		LUMINAIRE, H.P.S.V. 150W LAMP, 240V
		LUMINAIRE, H.P.S.V. 150W LAMP, 120V
		LUMINAIRE, H.P.S.V. 250W LAMP, 120V, (ALLEY LIGHT)
		LUMINAIRE, H.P.S.V. 250W LAMP, 120V
		TERMINAL, CABINET F.A. & P.C.
		FIRE ALARM BOX, MOUNTED
		FIRE ALARM BOX, POLE MOUNTED
		CABLE, TRAFFIC SIGNAL, COMMUNICATION, 1-PAIR #14 SHIELDED, IN CONDUIT
		CABLE, TRAFFIC SIGNAL POWER SUPPLY, 2/C-#4, 600 V. EPR. IN CONDUIT
		CABLE, TRAFFIC SIGNAL POWER SUPPLY, 2 1/C-#2 or #1/0 600V. EPR IN CONDUIT
		CABLE, TRAFFIC SIGNAL POWER SUPPLY, 2/C-#10 or #6, 600V NSRI, IN CONDUIT
		CABLE, TRAFFIC SIGNAL, 7/C-#12 or #14, 600V, EPR IN CONDUIT
		CABLE, TRAFFIC SIGNAL, 10/C-#12 or #14, 600V, EPR IN CONDUIT
		CABLE, TRAFFIC SIGNAL, 14/C-#12 600V. EPR IN CONDUIT
		CABLE, TRAFFIC SIGNAL, 19/C-#12 or #14, 600V, EPR IN CONDUIT
		CABLE, STREET LIGHT, 2 1/C-#6, 600V. RINS IN PARKWAY
		CABLE, STREET LIGHT, 2 1/C-#6, 600V. RINS IN CONDUIT
		CABLE, STREET LIGHT, 2 1/C-#6 EPRN 600V. & 1 1/C-#8 GREEN, TRIPLEXED, IN CONDUIT
		CABLE, STREET LIGHT, 3 1/C-#1/0, or #2/0, or #4, 600V. EPR IN CONDUIT
		WIRE, STREET LIGHT, 2 1/C-#6, HDNS. AERIAL
		WIRE, STREET LIGHT, 2 1/C-#6 & 1 1/C #8, HDNS. AERIAL
		CABLE, STREET LIGHT AERIAL, 3 1/C-#4 or #2 SELF SUPPORTING, 600V EPR
		WIRE, F.A. & P.C. AERIAL, 1/C-#10, NUMERAL DENOTES QUANTITY
		CABLE, F.A. & P.C. AERIAL, W/ MESSENGER #19-(NUMBER OF PAIRS AS INDICATED)
		CABLE, F.A. & P.C. AERIAL, SELF SUPPORTING, #19-(NUMBER OF PAIRS AS INDICATED)
		CABLE, F.A. & P.C., IN CONDUIT, #19-(NUMBER OF PAIRS AS INDICATED)
		DOWNLIGHT ASSEMBLY. (DWG. #850)
		LIGHT, TRAFFIC SAFETY ISLAND
		FLASHING BEACON & DOWNLIGHT

**ORNAMENTAL LUMINAIRES**

PROPOSED	EXISTING	
		310W PENDANT (240V)
		400W PENDANT (240V)
		250W PENDANT (240V)
		150W ACORN (120V)
		150W ACORN (240V)
		50W ACORN (240V)
		100W ACORN (240V)
		150W GLOBE (240V)
		100W GLOBE (240V)
		50W GLOBE (240V)

C 04-01-02	REVISED/REDRAW	R. POOL/B. I.
B 12-4-01	ADDED ORNAMENTAL SYMBOLS	
A 8-6-96	REDRAWN	
DATE	REVISION	
<b>STANDARD CODE FOR TRAFFIC SIGNALS/ STREET LIGHTING</b>		
CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING		
DRAFTSMAN: R. IVY	CHIEF DRAFTSMAN: R. CARTER	ENGINEER: R. POOL/R.C/W.T.
SUPERVISING ENGINEER:	ELEC. DESIGN ENGR.	DWG. NO.
ENGINEER OF ELECTRICITY:		826
GENL. SUPT. OF CONSTRUCTION:		
DEPUTY COMMISSIONER:		
SIZE: 22" X 36"	SCALE:	DATE:



D160X99-sht-Light-19	DESIGNED - PFD	REVISED -
USER NAME = myersc	DRAWN - CAM	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - WDS	REVISED -
PLOT DATE = 12/8/2016	DATE - 12/14/16	REVISED -

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

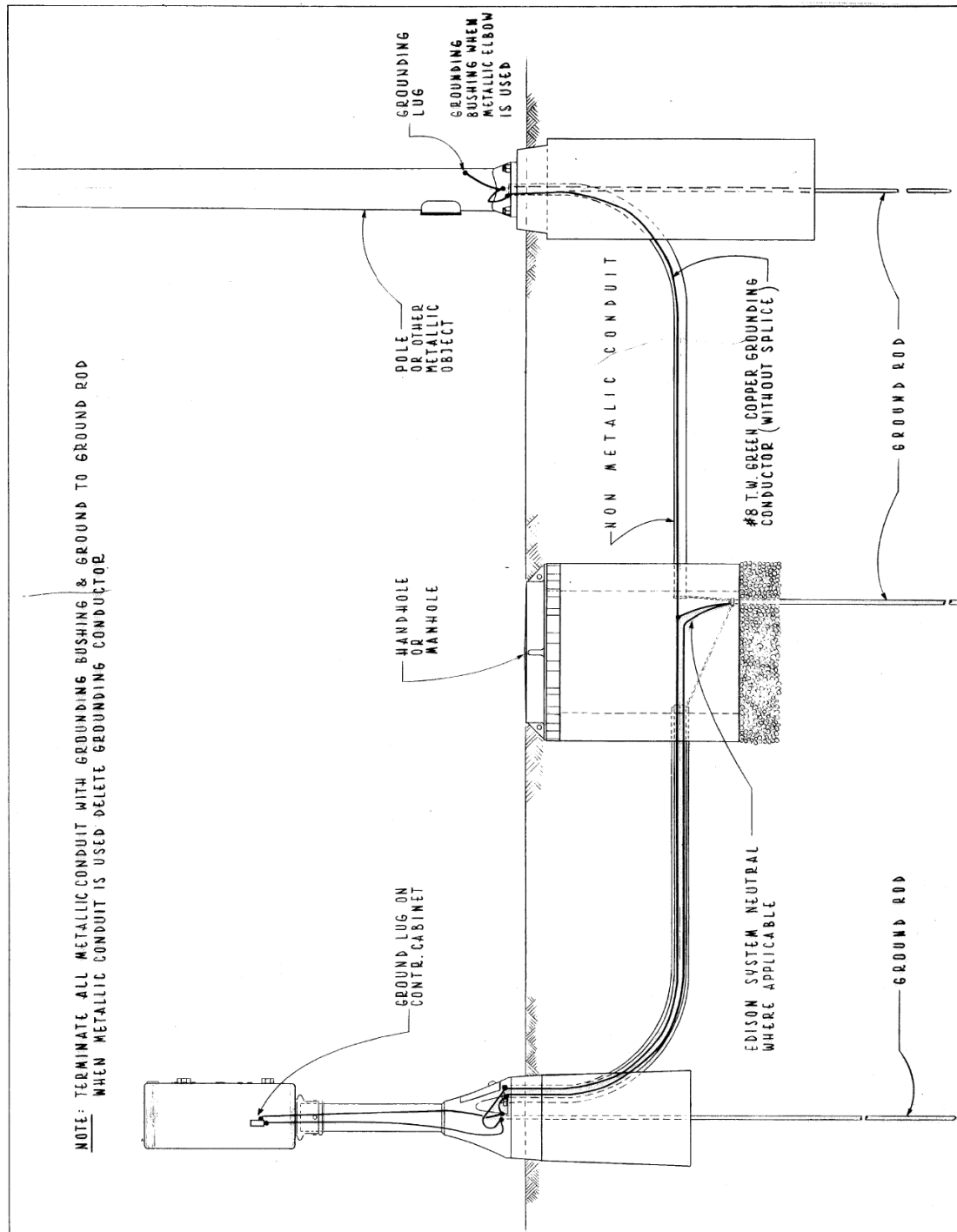
**CDOT DETAILS**

SCALE: N.T.S. SHEET 19 OF 21 SHEETS STA. TO STA.

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	198
CONTRACT NO. 60X99				
ILLINOIS FED. AID PROJECT				



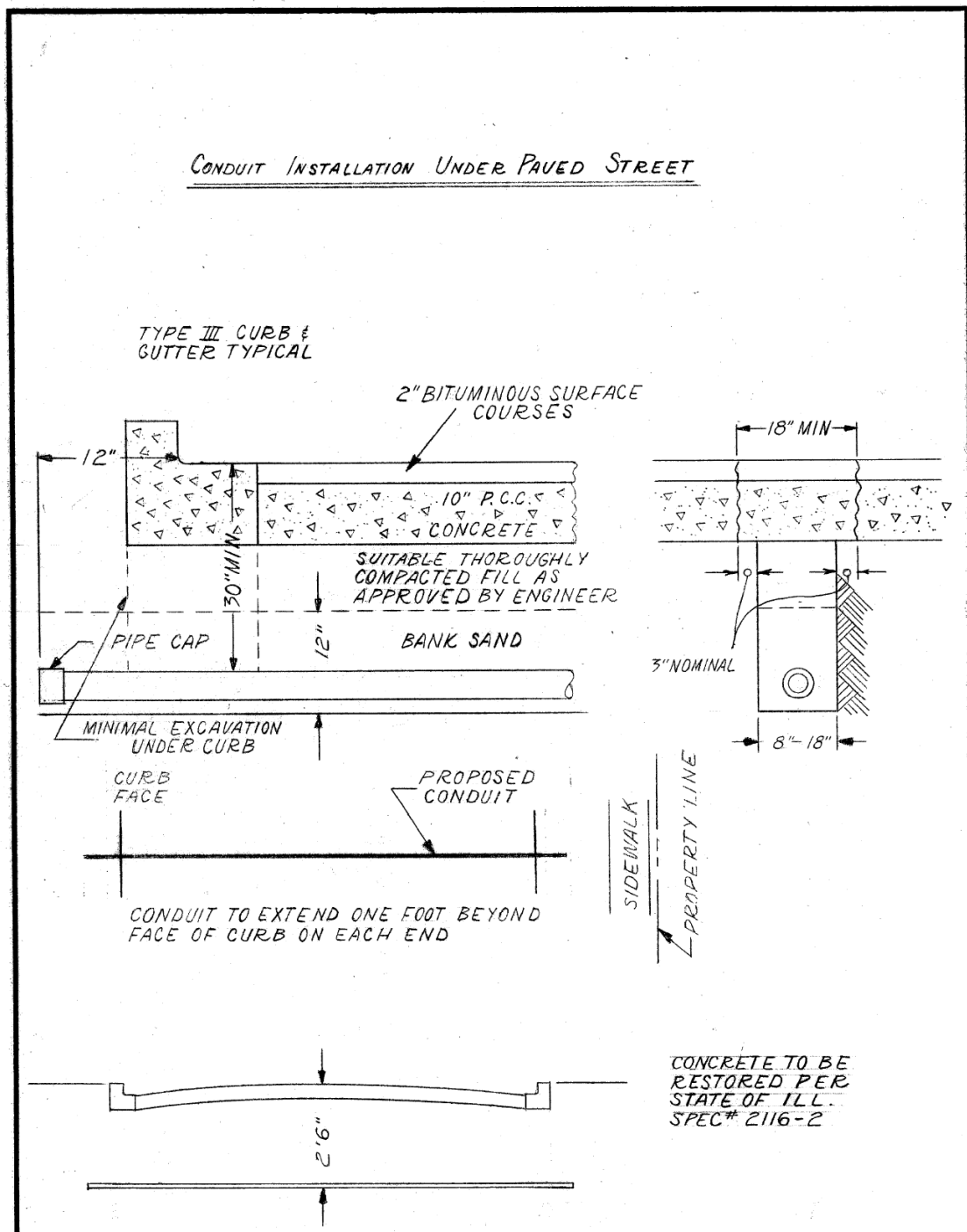
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**TYPICAL GROUNDING METHODS FOR BUREAU OF ELECTRICITY EQUIPMENT**

CITY OF CHICAGO  
DEPT. OF STREETS & SANITATION  
BUREAU OF ELECTRICITY  
DIVISION OF ELEC. ENGINEERING

REVISED	DRAWN: E. GERULIS	CHECKED: M. SHINE	ENGINEER: J. O'CONNOR
A	ENG. OF EST. Thomas A. Kelly		DWG. NO. 736
B	SUPT. OF CONST. Stephen P. Buehler		
C	DEPT. CHIEF Charles E. Buckley		
D			
E			
F	SIZE: 8 1/2" x 14"	SCALE: 1" = 10'	DATE: 5-12-76



**INSTALLATION METHOD OF INSTALLING CONDUIT UNDER PAVED ROADWAY**

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

DRAWN A.M. JOHNSON	CHECKED R. SYCKOWSKI	ENGINEER R.L. MARTIN
<i>Thomas A. Kelly</i> ENGINEER OF ELECTRICITY		DRG. NO. <b>813</b>
<i>Charles E. Buckley</i> DEPT. CHIEF		DEPUTY CHIEF
SIZE 8 1/2" x 14"	SCALE N.T.S.	DATE 3-13-81



D160X99-sht-Light-20  
USER NAME = myersc  
PLOT SCALE = 2,0000' / in.  
PLOT DATE = 12/8/2016

DESIGNED - PFD  
DRAWN - CAM  
CHECKED - WDS  
DATE - 12/14/16

REVISED -  
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REVISED -

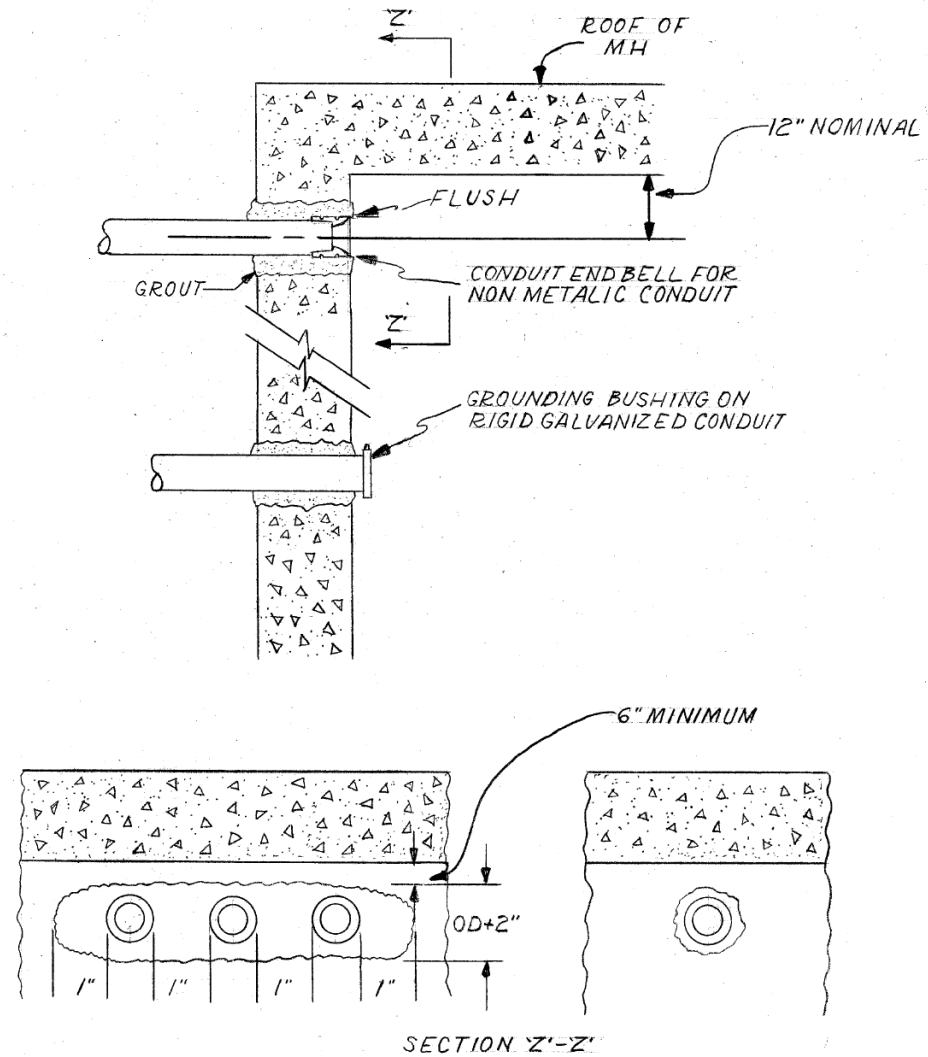
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CDOT DETAILS  
SCALE: N.T.S. SHEET 20 OF 21 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	199
CONTRACT NO. 60X99				
ILLINOIS FED. AID PROJECT				

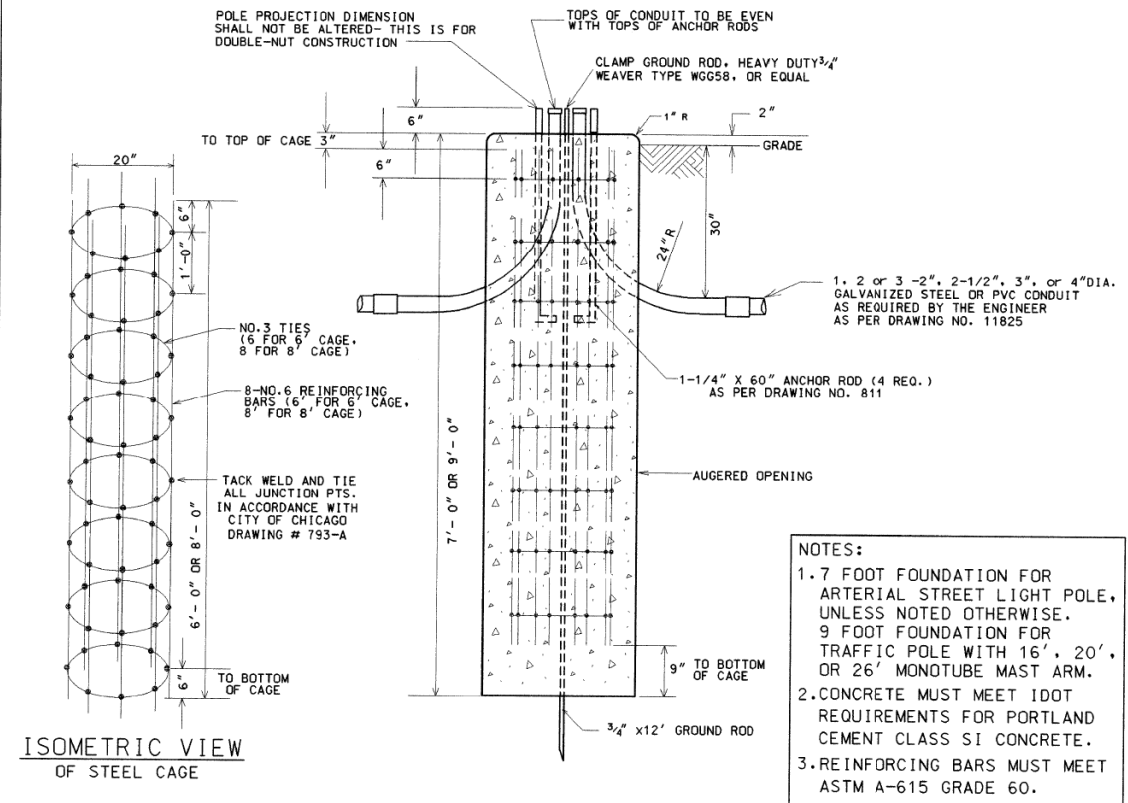
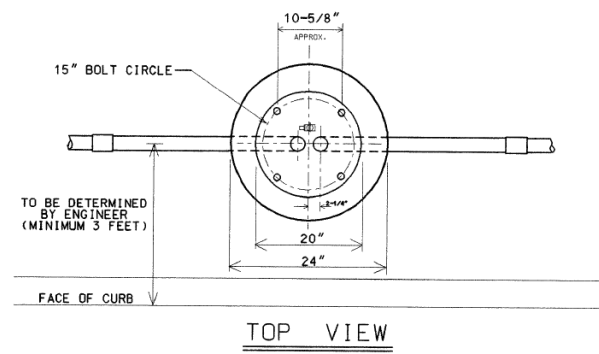
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CONDUIT INSTALLATION THROUGH EXISTING MANHOLE OR HANDHOLE WALL



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

INSTALLATION METHOD OF INSTALLING CONDUIT THRU MANHOLE WALL			
CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING			
DRAWN A.M. JOHANSON	CHECKED R. SYCKOWSKI	ENGINEER R.L. MARTIN	DRG. NO. 814
 ENGINEER OF ELECTRICITY		 DEPUTY CHIEF	
SIZE 8 1/2" X 14"	SCALE N.T.S.	DATE 3-13-01	



- NOTES:
1. 7 FOOT FOUNDATION FOR ARTERIAL STREET LIGHT POLE, UNLESS NOTED OTHERWISE.
  - 9 FOOT FOUNDATION FOR TRAFFIC POLE WITH 16', 20', OR 26' MONOTUBE MAST ARM.
  2. CONCRETE MUST MEET IDOT REQUIREMENTS FOR PORTLAND CEMENT CLASS S1 CONCRETE.
  3. REINFORCING BARS MUST MEET ASTM A-615 GRADE 60.

NOTE: HOLE FOR FOUNDATION MUST BE AUGURED IN UNDISTURBED SOIL

CODE	COMMODITY	SIZE	QUANTITY
05-3267-2940	REDI-MIX CONCRETE	CU. YD.	0.82 OR 1.05
09-4001-	ELBOW, LARGE RADIUS	2", 2-1/2", 3", 4"	VARIES
37-8180-0200	ANCHOR ROD	1-1/4" X 60"	4
05-5054-6910	RE-BAR CAGE	20" X 6" (or 8")	1
09-7796-9200	GROUND ROD	3/4" X 12'-0"	1
09-2636-3240	GROUND ROD CLAMP	3/4"	1
09-2092-	GROUND BUSHING	2", 2-1/2", 3" OR 4"	VARIES

8/21/02	SUPERCEDES DWG #818 DRAWN 4/21/81
DATE	REVISION
FOUNDATION FOR 34'-6" ARTERIAL STREET LIGHT OR TRAFFIC SIGNAL POLE - 3 OR 7 GAUGE WITH 15" BOLT CIRCLE	
CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING	
DRAFTSMAN B. GARNSEY	CHIEF DRAFTSMAN R. CARTER
ELECTRICAL DESIGN ENGINEER	ENGINEER B. GARNSEY
GENERAL SUPERVISOR	818
DEPUTY SUPERVISOR	
SIZE: 11" x 17"	SCALE: NONE
DATE: 8/21/02	



D160X99-sht-Light-21	DESIGNED - PFD	REVISED -
USER NAME = myersc	DRAWN - CAM	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - WDS	REVISED -
PLOT DATE = 12/8/2016	DATE - 12/14/16	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CDOT DETAILS

SCALE: N.T.S. SHEET 21 OF 21 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-017B	COOK	442	200
CONTRACT NO. 60X99				
ILLINOIS FED. AID PROJECT				