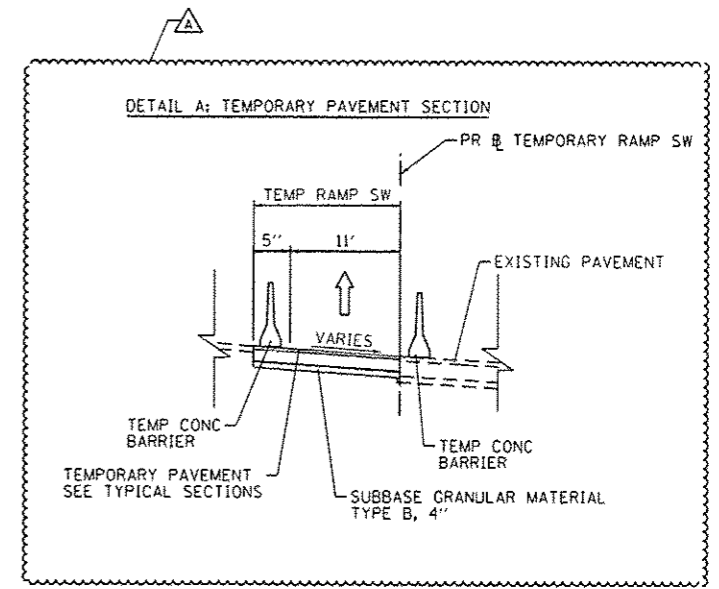
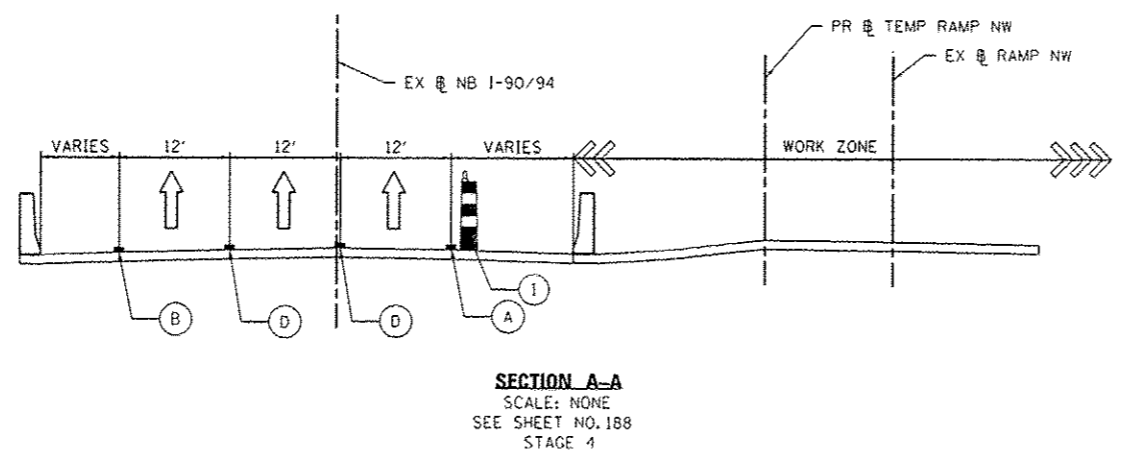
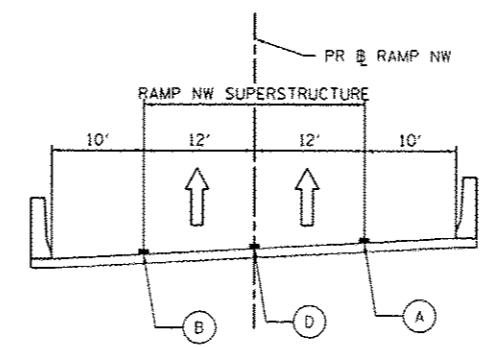
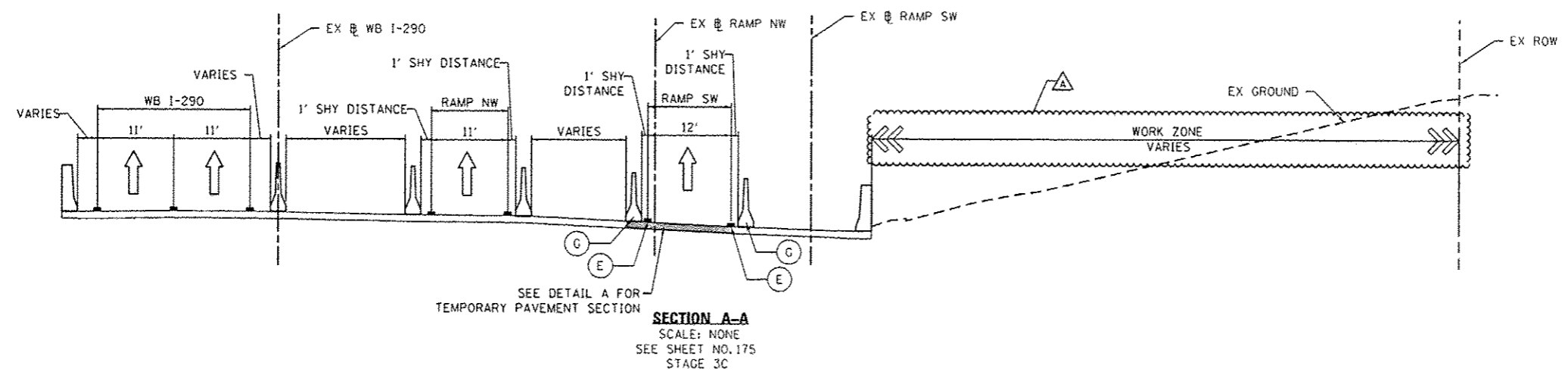


PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES

- (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) IMP ATTN TEMP FRN TL3
- (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) DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C
- (K) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (L) IMP ATTN REL FRN TL3
- (M) TEMP EPOXY PVT MK LINE 8 (3' DASH, 9' SKIP)



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DATE - 04/28/14	REVISED -

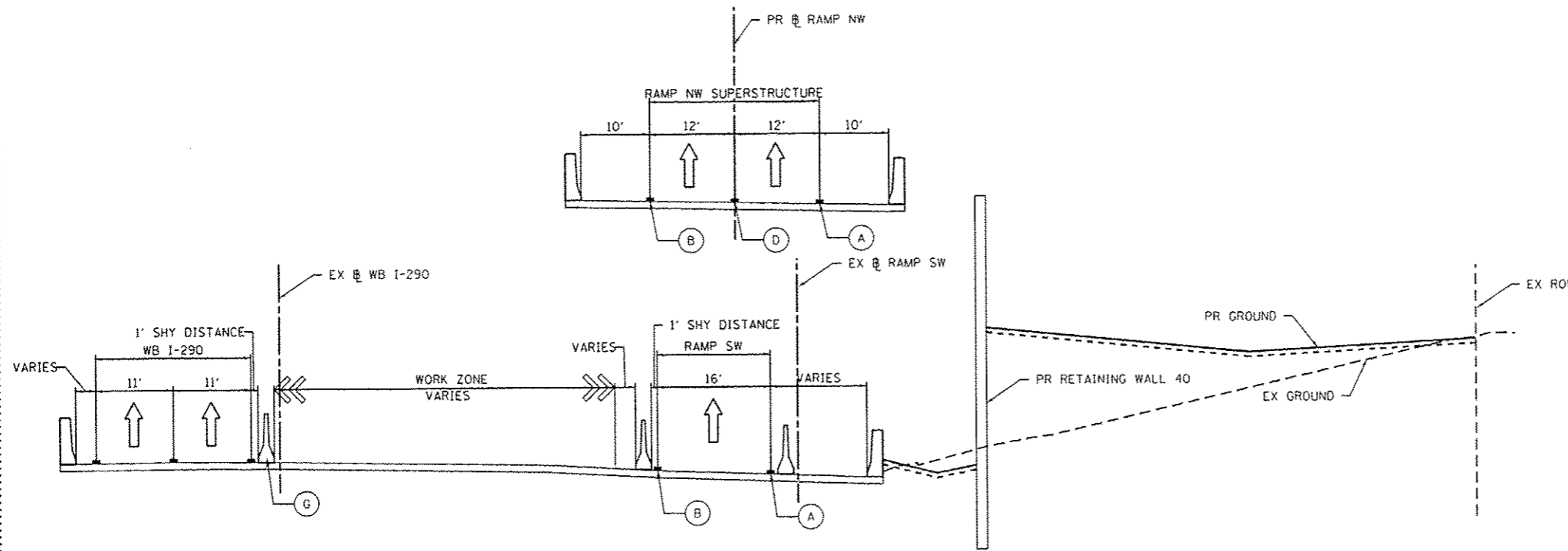
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN
 MAINLINE STAGING 3C & 4 TYPICAL SECTIONS**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-010R	COOK	747	102
CONTRACT NO. 60W28				
ILLINOIS FIBER AND PROJECT				

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SECTION A-A
SCALE: NONE
SEE SHEET NO. 189

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) IMP ATTN TEMP FRN TL3
- (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) DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C
- (K) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (L) IMP ATTN REL FRN TL3
- (M) TEMP EPOXY PVT MK LINE 8 (3' DASH, 9' SKIP)



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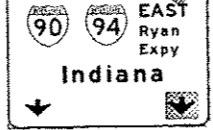
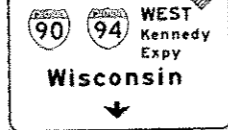
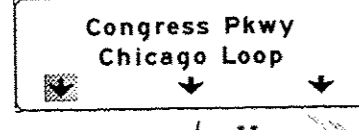
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN
MAINLINE STAGING 4 TYPICAL SECTIONS**

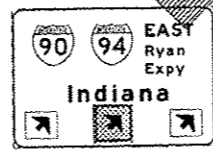
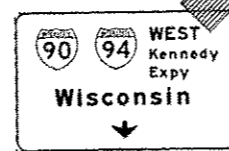
SCALE: NONE SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-010R	COOK	747	103
CONTRACT NO. 60W28				
ILLINOIS FED. AID PROJECT				

OH4 EXISTING OVERHEAD SIGNS TO REMAIN SEE CONTRACTS 60W26 AND 60W29 FOR SIGN DETAIL



OH5 EXISTING OVERHEAD SIGNS TO REMAIN SEE CONTRACTS 60W26 AND 60W29 FOR SIGN DETAIL

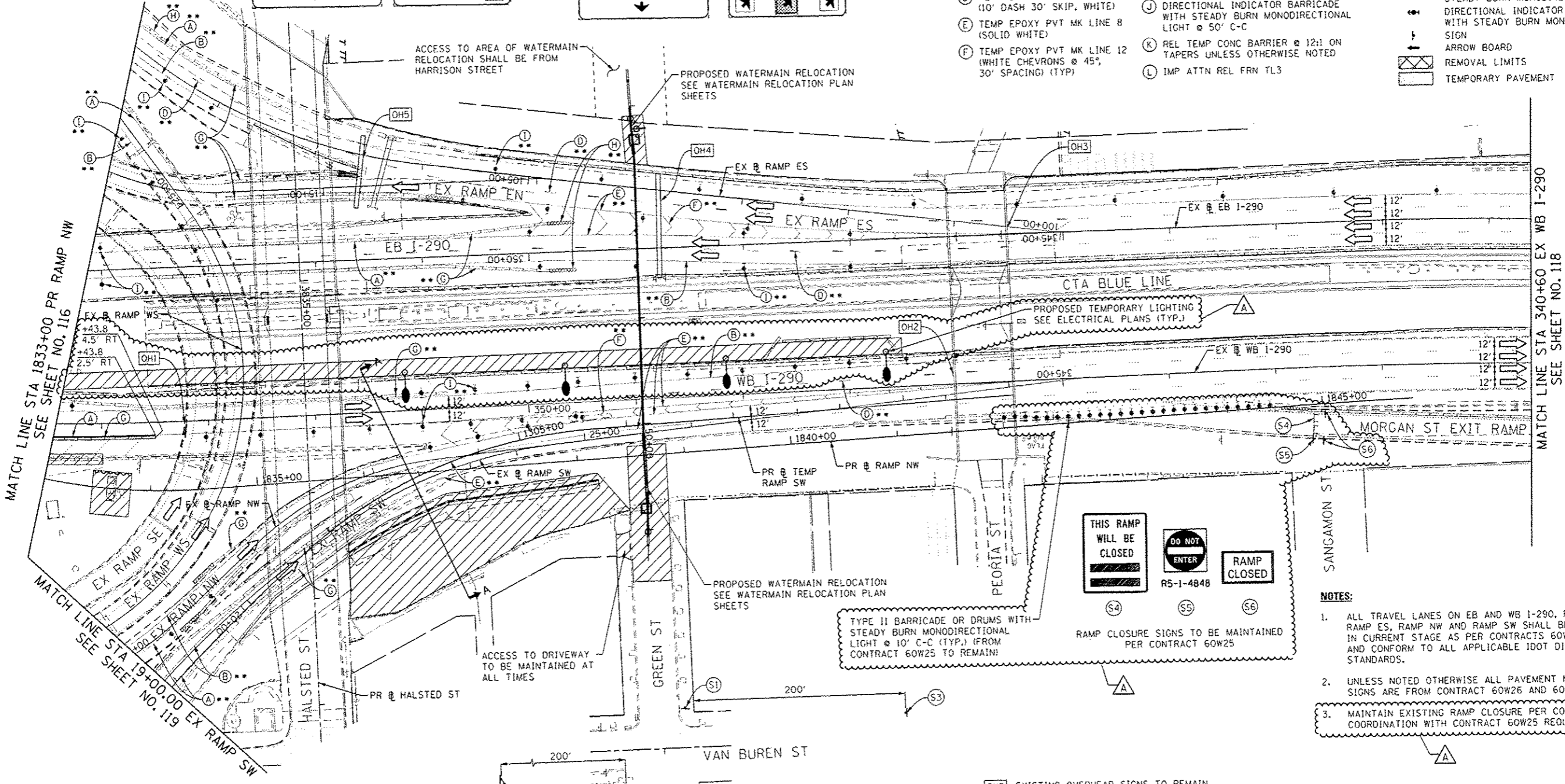


PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES

- 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 IMP ATTN TEMP FRN TL3
- 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 DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C
- K REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- L IMP ATTN REL FRN TL3

LEGEND:

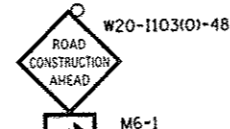
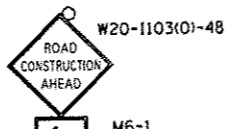
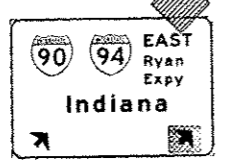
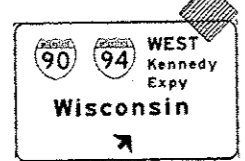
- WORK ZONE
- TEMPORARY CONCRETE BARRIER
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY SOIL RETENTION SYSTEM OR BRACED EXCAVATION
- DIRECTION OF TRAFFIC FLOW
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL SIGN
- ARROW BOARD
- REMOVAL LIMITS
- TEMPORARY PAVEMENT



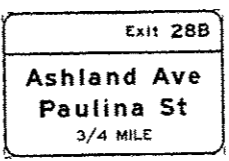
OH1 EXISTING OVERHEAD SIGNS TO REMAIN SEE CONTRACT 60W26 FOR SIGN DETAIL



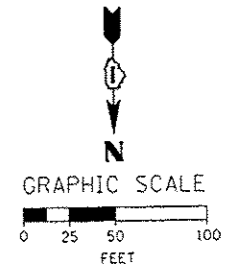
OH3 EXISTING OVERHEAD SIGNS TO REMAIN SEE CONTRACTS 60W26 AND 60W29 FOR SIGN DETAIL



OH2 EXISTING OVERHEAD SIGNS TO REMAIN SEE CONTRACTS 60W26 AND 60W29 FOR SIGN DETAIL



** FROM CONTRACTS 60W26 AND 60W29 TO REMAIN
 *** FROM CONTRACT 60W71 TO REMAIN



AECOM
 303 EAST TRACER DRIVE, SUITE 1400
 CHICAGO, IL 60601-5276
 PHONE (312) 313-1500 FAX: (312) 313-6800

D16W28-shc-Staging-RR
 USER NAME: ppatel2
 PLOT SCALE: 1/8" = 50.0000'
 PLOT DATE: 5/25/2014

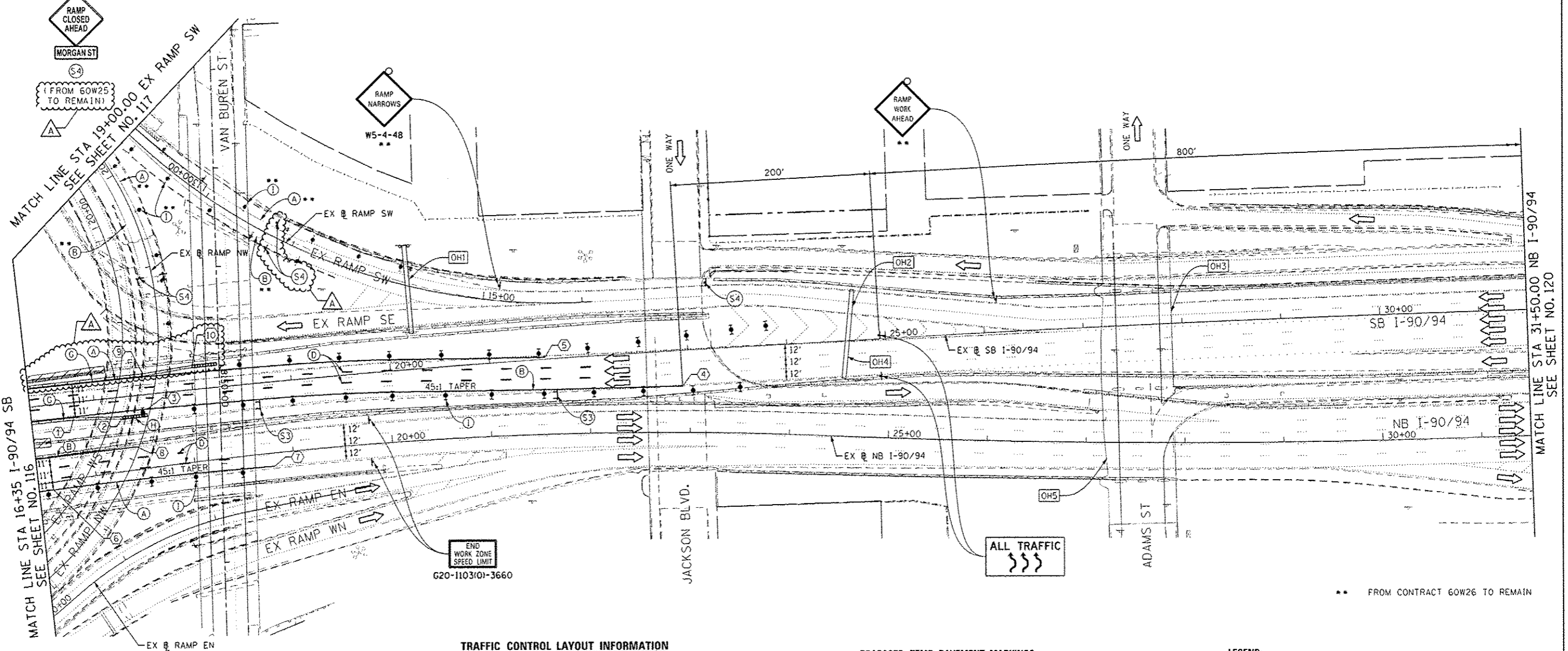
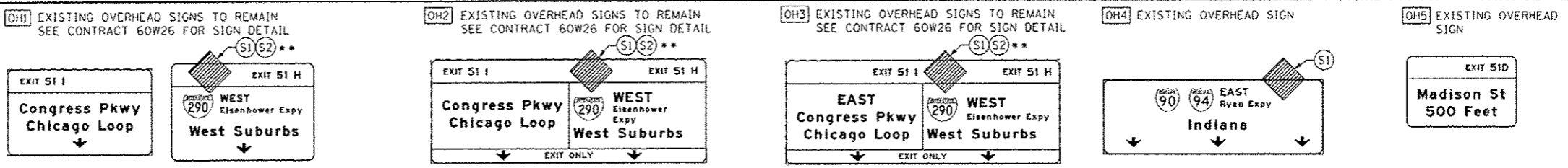
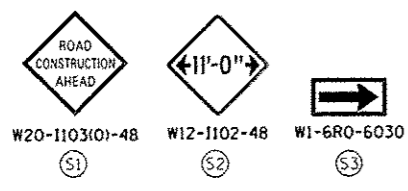
DESIGNED - OPS
 DRAWN - PHP
 CHECKED - KCF
 DATE - 04/28/14

REVISED - 5/27/2014
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN
 MAINLINE STAGING 1**
 SCALE: 1" = 50' SHEET 8 OF 13 SHEETS STA. 1833+00 TO STA. 340+60

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-010R	COOK	747	117
				CONTRACT NO. 60W28
ILLINOIS FED. AID PROJECT				



- NOTES:**
- ALL TRAVEL LANE ON RAMP SW AND RAMP NW BE MAINTAINED IN CURRENT STAGE AS PER CONTRACT 60W26.
 - ALL TRAVEL LANES ON SB I-90/94 SHALL TIE INTO INTO CURRENT STAGE OF CONSTRUCTION OF HALSTED AND WEST HARRISON CONTRACT 60W26 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.
 - ALL PAVEMENT MARKING AND SIGNINGS ON SB I-90/94 AND EXIT RAMP SW AND SE SHALL BE COORDINATED ON FIELD WITH CONTRACTORS OF CONTRACT 60W26 AND AS PER FIELD ENGINEER.

TRAFFIC CONTROL LAYOUT INFORMATION

POINT	STATION	OFFSET	LT/RT	BASELINE
1	16+77.1	16.9'	RT	E-KDR-SB
2	17+27.0	21.1'	RT	E-KDR-SB
3	17+52.0	14.9'	RT	E-KDR-SB
4	22+92.7	36.0'	RT	E-KDR-SB
5	21+56.2	1.9'	LT	E-KDR-SB
6	16+55.0	7.7'	RT	E-KDR-NB
7	18+80.0	13.5'	RT	E-KDR-NB
8	17+44.5	23.0'	LT	E-KDR-NB
9	17+52.0	20.1'	LT	E-KDR-SB
10	18+01.8	23.3'	LT	E-KDR-SB

○ POINT LOCATION

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) IMP ATTN TEMP FRN TL3
- (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) DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C
- (K) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (L) IMP ATTN REL FRN TL3

LEGEND:

- WORK ZONE
- TEMPORARY CONCRETE BARRIER
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY SOIL RETENTION SYSTEM OR BRACED EXCAVATION
- DIRECTION OF TRAFFIC FLOW
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- SIGN
- ARROW BOARD
- REMOVAL LIMITS
- TEMPORARY PAVEMENT

GRAPHIC SCALE
0 25 50 100 FEET



D160W28-sh1-Staging1-10
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PLOT SCALE: 58.0000' / 1" PL
PLOT DATE: 5/25/2014

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DRAWN - PHP
CHECKED - KCF
DATE - 04/28/14

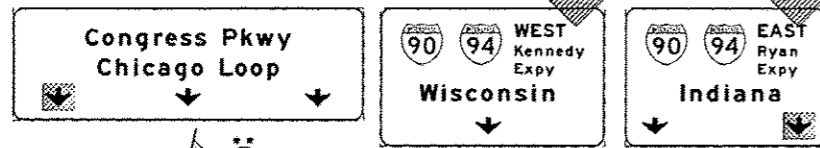
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REVISED -
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REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

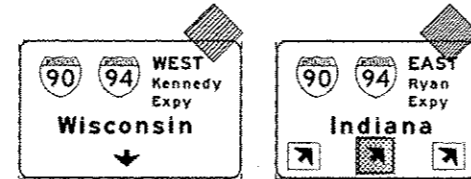
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN
MAINLINE STAGING 1
SCALE: 1" = 50' SHEET 10 OF 13 SHEETS STA. 16+35 TO STA. 31+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-010R	COOK	747	119
				CONTRACT NO. 60W28
ILLINOIS FED. AID PROJECT				

OH4 EXISTING OVERHEAD SIGNS TO REMAIN
SEE CONTRACT 60W26 FOR SIGN DETAIL.



OH5 EXISTING OVERHEAD SIGNS TO REMAIN
SEE CONTRACT 60W26 FOR SIGN DETAIL.

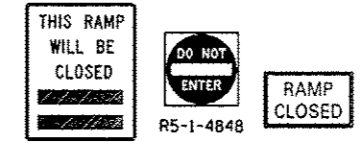
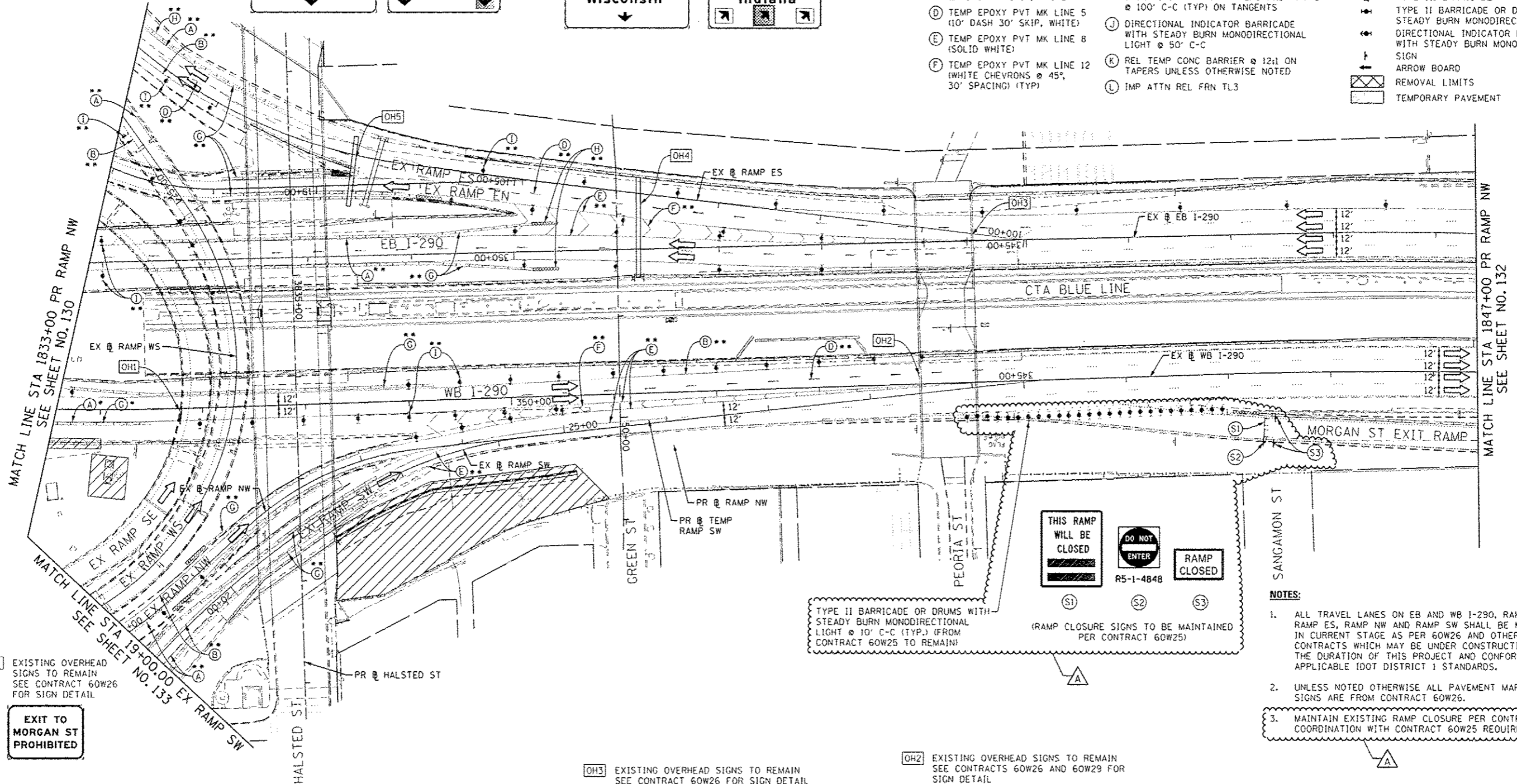


**PROPOSED TEMP PAVEMENT MARKINGS
AND TRAFFIC CONTROL DEVICES**

- 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 IMP ATTN TEMP FRN TL3
- 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 DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C
- K REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- L IMP ATTN REL FRN TL3

LEGEND:

- WORK ZONE
- TEMPORARY CONCRETE BARRIER
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY SOIL RETENTION SYSTEM OR BRACED EXCAVATION
- DIRECTION OF TRAFFIC FLOW
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL SIGN
- ARROW BOARD
- REMOVAL LIMITS
- TEMPORARY PAVEMENT



TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT @ 10' C-C (TYP.) (FROM CONTRACT 60W25 TO REMAIN)

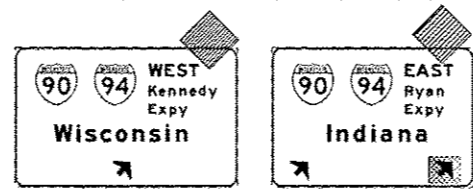
(RAMP CLOSURE SIGNS TO BE MAINTAINED PER CONTRACT 60W25)

- NOTES:**
- ALL TRAVEL LANES ON EB AND WB I-290, RAMP EN, RAMP ES, RAMP NW AND RAMP SW SHALL BE MAINTAINED IN CURRENT STAGE AS PER 60W26 AND OTHER ADJACENT CONTRACTS WHICH MAY BE UNDER CONSTRUCTION DURING THE DURATION OF THIS PROJECT AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.
 - UNLESS NOTED OTHERWISE ALL PAVEMENT MARKING AND SIGNS ARE FROM CONTRACT 60W26.
 - MAINTAIN EXISTING RAMP CLOSURE PER CONTRACT 60W25. COORDINATION WITH CONTRACT 60W25 REQUIRED.

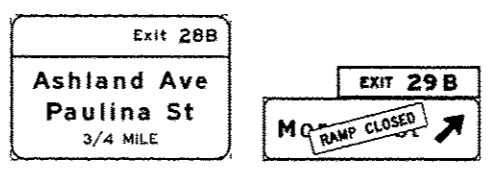
S1 EXISTING OVERHEAD SIGNS TO REMAIN
SEE CONTRACT 60W26 FOR SIGN DETAIL.

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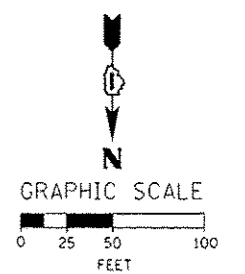
OH3 EXISTING OVERHEAD SIGNS TO REMAIN
SEE CONTRACT 60W26 FOR SIGN DETAIL.



OH2 EXISTING OVERHEAD SIGNS TO REMAIN
SEE CONTRACTS 60W26 AND 60W29 FOR SIGN DETAIL.



- * FROM PREVIOUS STAGE TO REMAIN
- ** FROM CONTRACT 60W26 TO REMAIN



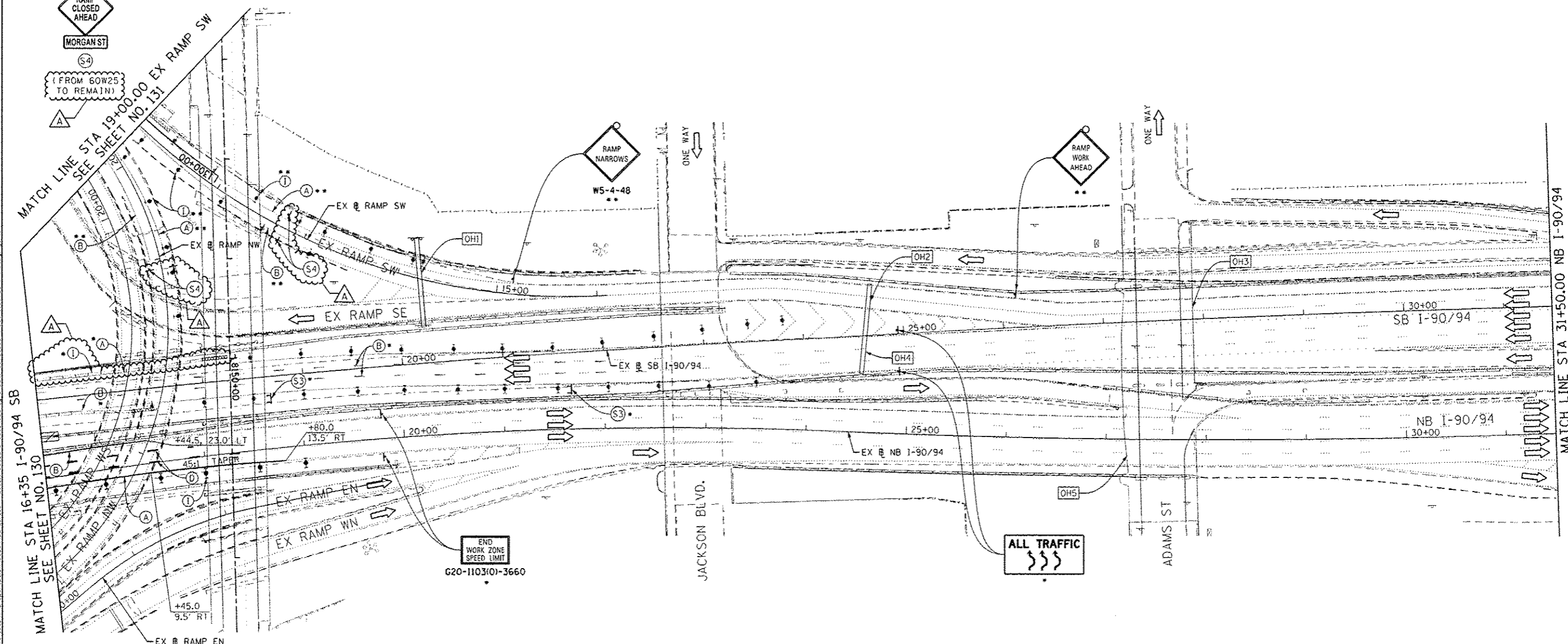
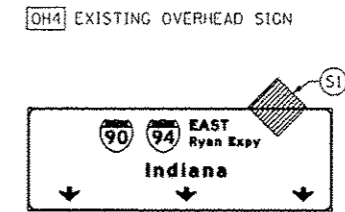
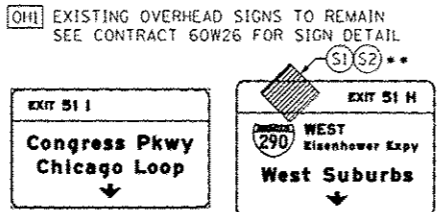
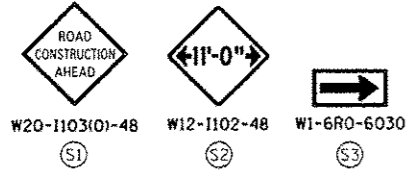
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PLOT DATE - 5/25/2014	DATE - 04/28/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN
MAINLINE STAGING 2

SCALE: 1" = 50' SHEET 9 OF 14 SHEETS STA. 1833+00 TO STA. 1847+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-010R	COOK	747	131
CONTRACT NO. 60W28				
ILLINOIS FED. AID PROJECT				

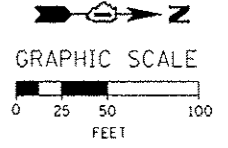


- NOTES:**
- ALL TRAVEL LANE ON RAMP SW AND RAMP NW BE MAINTAINED IN CURRENT STAGE AS PER CONTRACT 60W26.
 - ALL TRAVEL LANES ON SB I-90/94 SHALL TIE INTO INTO CURRENT STAGE OF CONSTRUCTION OF HALSTED AND WEST HARRISON CONTRACT 60W26 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.
 - ALL PAVEMENT MARKING AND SIGNINGS ON SB I-90/94 AND EXIT RAMP SW AND SE SHALL BE COORDINATED ON FIELD WITH CONTRACTORS OF CONTRACT 60W26 AND AS PER FIELD ENGINEER.

* FROM PREVIOUS STAGE TO REMAIN
 ** FROM CONTRACT 60W26 TO REMAIN

- 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) IMP ATTN TEMP FRN TL3
 - (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) DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C
 - (K) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
 - (L) IMP ATTN REL FRN TL3

- LEGEND:**
- [Hatched Box] WORK ZONE
 - [Dashed Line] TEMPORARY CONCRETE BARRIER
 - [Dotted Line] TEMPORARY IMPACT ATTENUATOR
 - [Wavy Line] TEMPORARY SOIL RETENTION SYSTEM OR BRACED EXCAVATION
 - [Arrow] DIRECTION OF TRAFFIC FLOW
 - [Type III Barricade] TYPE III BARRICADE
 - [Type II Barricade] TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
 - [Type I Barricade] DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
 - [Sign] SIGN
 - [Arrow Board] ARROW BOARD
 - [Removal Limits] REMOVAL LIMITS
 - [Temporary Pavement] TEMPORARY PAVEMENT



DESIGNED - OPS	REVISD - 5/27/2014
DRAWN - PHP	REVISD -
CHECKED - KCF	REVISD -
DATE - 04/28/14	REVISD -

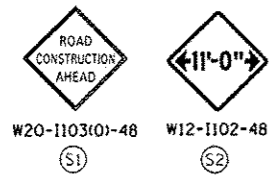
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	DATE - 04/28/14	REVISD -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

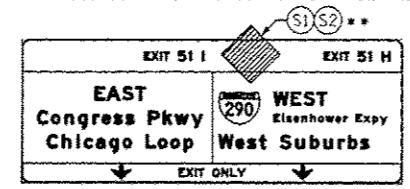
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN
 MAINLINE STAGING 2

SCALE: 1" = 50' SHEET 11 OF 14 SHEETS STA. 16+35 TO STA. 31+50

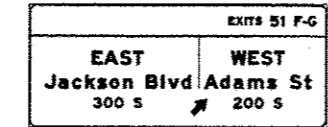
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-010R	COOK	747	133
				CONTRACT NO. 60W28
ILLINOIS FED. AID PROJECT				



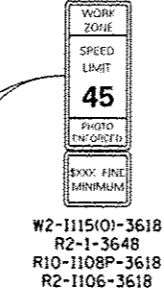
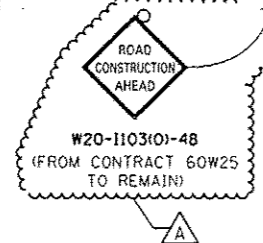
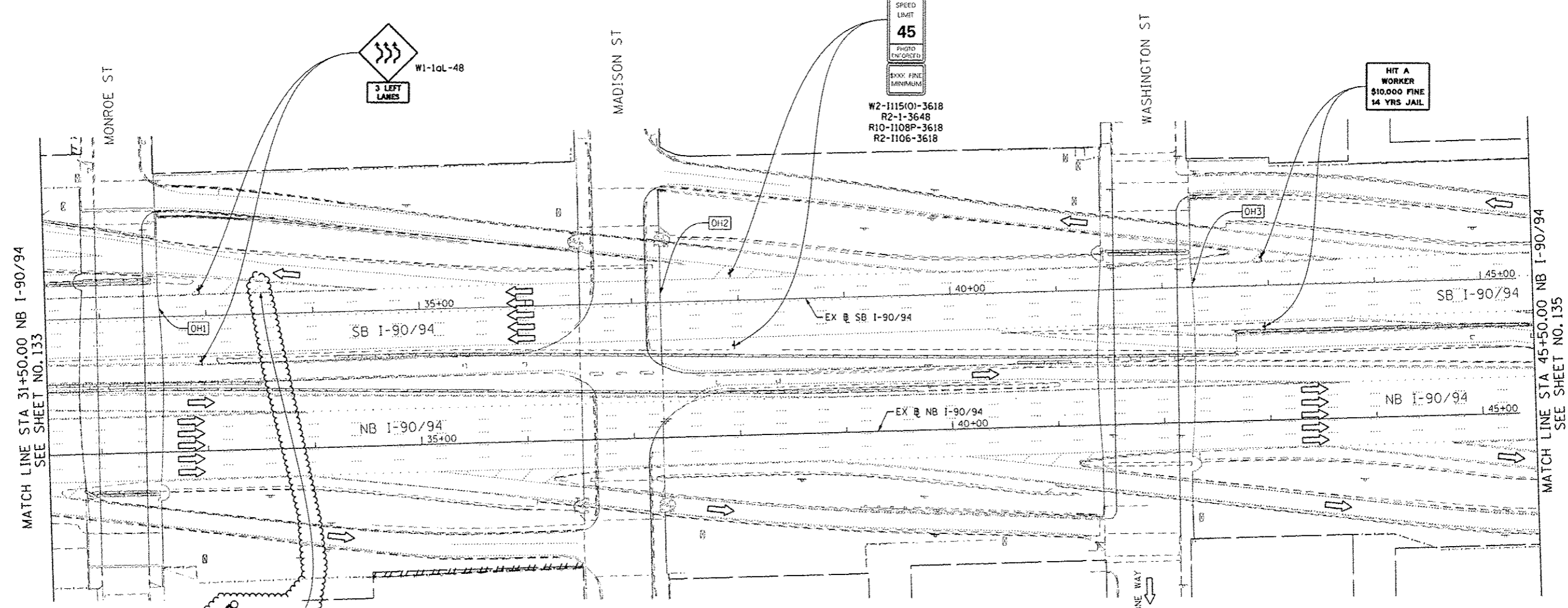
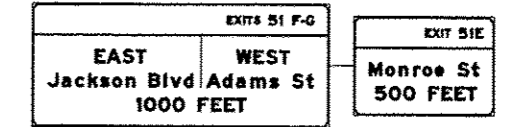
OH1 EXISTING OVERHEAD SIGN TO REMAIN
SEE CONTRACT 60W26 FOR SIGN DETAIL



OH2 EXISTING OVERHEAD SIGN



OH3 EXISTING OVERHEAD SIGNS



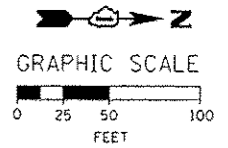
HIT A WORKER
\$10,000 FINE
14 YRS JAIL

NOTES:
1. ALL SIGNINGS ON SB I-90/94 SHALL BE COORDINATED ON FIELD WITH CONTRACTORS OF CONTRACT 60W26.

* FROM PREVIOUS STAGE TO REMAIN
** FROM CONTRACT 60W26 TO REMAIN

- 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" ON TAPERS UNLESS OTHERWISE NOTED
 - (H) IMP ATTN TEMP FRN TL3
 - (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) DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C
 - (K) REL TEMP CONC BARRIER @ 12" ON TAPERS UNLESS OTHERWISE NOTED
 - (L) IMP ATTN REL FRN TL3

- LEGEND:**
- WORK ZONE
 - TEMPORARY CONCRETE BARRIER
 - TEMPORARY IMPACT ATTENUATOR
 - TEMPORARY SOIL RETENTION SYSTEM OR BRACED EXCAVATION
 - DIRECTION OF TRAFFIC FLOW
 - TYPE III BARRICADE
 - TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
 - DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
 - SIGN
 - ARROW BOARD
 - REMOVAL LIMITS
 - TEMPORARY PAVEMENT



DESIGNED - OPS	REVISED - 5/27/2014
DRAWN - PHP	REVISED -
CHECKED - KCF	REVISED -
DATE - 04/28/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN

MAINLINE STAGING 2

SCALE: 1" = 50' SHEET 12 OF 14 SHEETS STA. 31+50 TO STA. 45+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-010R	COOK	747	134
CONTRACT NO. 60W26			ILLINOIS FED. AID PROJECT	

• FROM PREVIOUS STAGE TO REMAIN

PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES

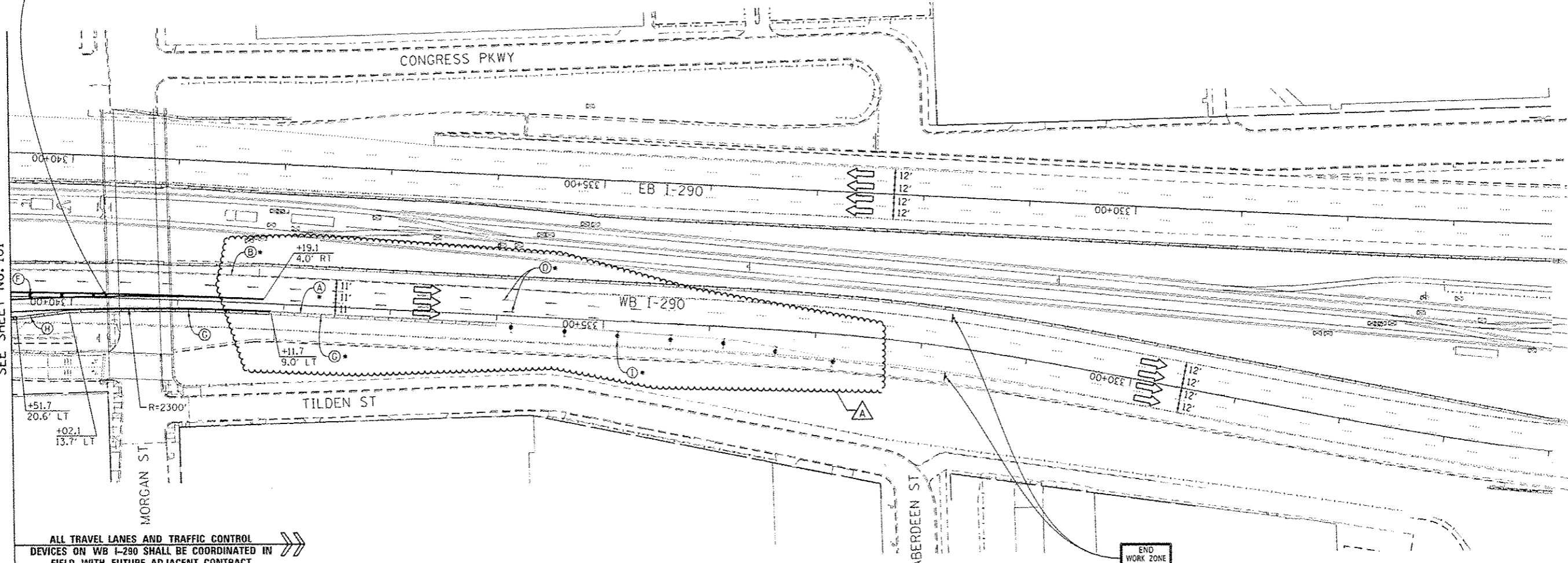
- (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE)
- (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW)
- (C) TEMP EPOXY PVT MK LINE 4 (2' DASH 6' SKIP, WHITE)
- (D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE)
- (E) TEMP EPOXY PVT MK LINE 6 (SOLID WHITE)
- (F) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP)
- (G) TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (H) IMP ATTN TEMP FRN TL3
- (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) DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C
- (K) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (L) IMP ATTN REL FRN TL3

LEGEND:

- WORK ZONE
- TEMPORARY CONCRETE BARRIER
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY SOIL RETENTION SYSTEM OR BRACED EXCAVATION
- DIRECTION OF TRAFFIC FLOW
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- SIGN
- ARROW BOARD
- REMOVAL LIMITS
- TEMPORARY PAVEMENT

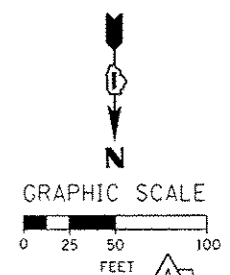
EXIT 288
Ashland Ave
1/2 MILE

MATCH LINE STA 1847+00 PR RAMP NW
SEE SHEET NO. 161



ALL TRAVEL LANES AND TRAFFIC CONTROL DEVICES ON WB I-290 SHALL BE COORDINATED IN FIELD WITH FUTURE ADJACENT CONTRACT

END WORK ZONE SPEED LIMIT
G20-1103101-3660



0168W28-shr-Staging3B-01	DESIGNED - OPS	REVISED - 5/27/2014
USER NAME = ppatel.p2	DRAWN - PHP	REVISED -
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PLOT DATE = 5/24/2014	DATE - 04/28/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN

MAINLINE STAGING 3B-2

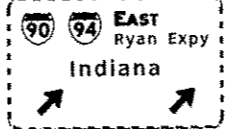
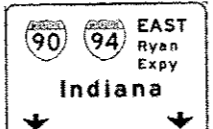
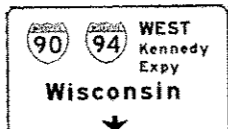
SCALE: 1" = 50' SHEET 10 OF 14 SHEETS STA. 340+60 TO STA. 326+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-010R	COOK	747	162
CONTRACT NO. 60W28			ILLINOIS FED. AID PROJECT	

FILE PATH: I:\11388931\p2\mainline\staging\mainline\plan\3B-2\Staging3B-2.dwg

[OH4] EXISTING OVERHEAD SIGNS TO REMAIN

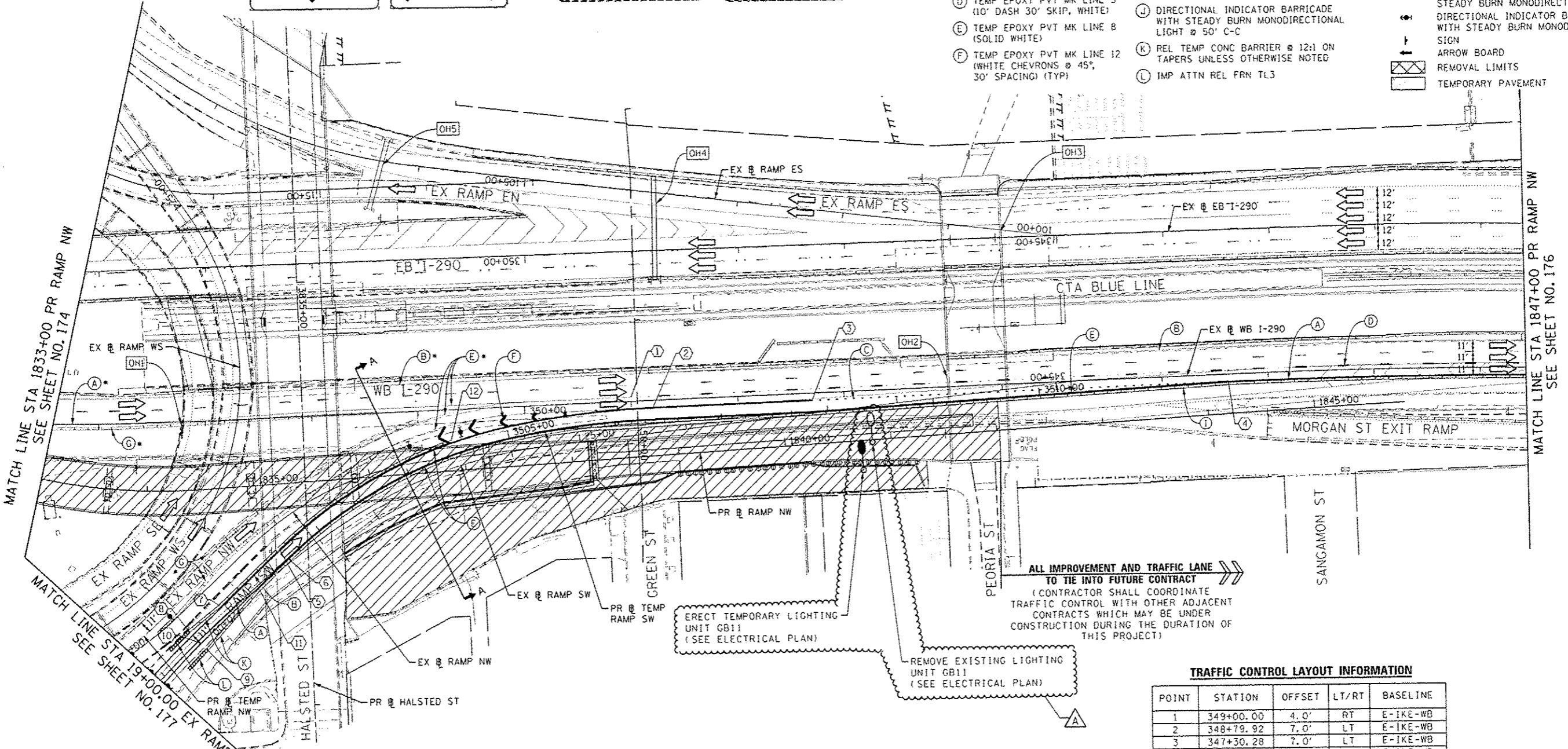
[OH5] EXISTING OVERHEAD SIGNS TO REMAIN



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) IMP ATTN TEMP FRN TL3
(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) DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C
(K) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
(L) IMP ATTN REL FRN TL3

- LEGEND:
WORK ZONE
TEMPORARY CONCRETE BARRIER
TEMPORARY IMPACT ATTENUATOR
TEMPORARY SOIL RETENTION SYSTEM OR BRACED EXCAVATION
DIRECTION OF TRAFFIC FLOW
TYPE III BARRICADE
TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL SIGN
ARROW BOARD
REMOVAL LIMITS
TEMPORARY PAVEMENT



MATCH LINE STA 1833+00 PR RAMP NW SEE SHEET NO. 174

MATCH LINE STA 1847+00 PR RAMP NW SEE SHEET NO. 176

ALL IMPROVEMENT AND TRAFFIC LANE TO TIE INTO FUTURE CONTRACT (CONTRACTOR SHALL COORDINATE TRAFFIC CONTROL WITH OTHER ADJACENT CONTRACTS WHICH MAY BE UNDER CONSTRUCTION DURING THE DURATION OF THIS PROJECT)

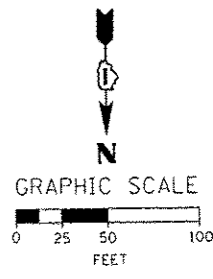
ERECT TEMPORARY LIGHTING UNIT GB11 (SEE ELECTRICAL PLAN)

REMOVE EXISTING LIGHTING UNIT GB11 (SEE ELECTRICAL PLAN)

TRAFFIC CONTROL LAYOUT INFORMATION

Table with 5 columns: POINT, STATION, OFFSET, LT/RT, BASELINE. Contains 12 rows of data for traffic control layout.

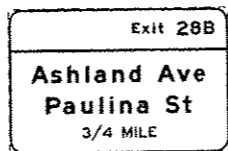
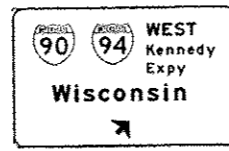
POINT LOCATION



[OH1] EXISTING OVERHEAD SIGNS TO REMAIN

[OH3] EXISTING OVERHEAD SIGNS TO REMAIN

[OH2] INSTALL BLACK ON ORANGE "RAMP CLOSED" PANEL ON DIAGONAL ACROSS EXISTING SIGN SEE DISTRICT DETAIL TC-08 FOR PANEL DETAILS (FROM PREVIOUS STAGE TO REMAIN)



* FROM PREVIOUS STAGE TO REMAIN



0160W28-hs-Staging2C-08
DESIGNED - OPS
DRAWN - PHP
CHECKED - KCF
DATE - 04/28/14

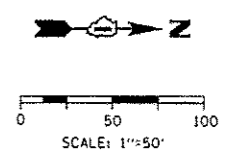
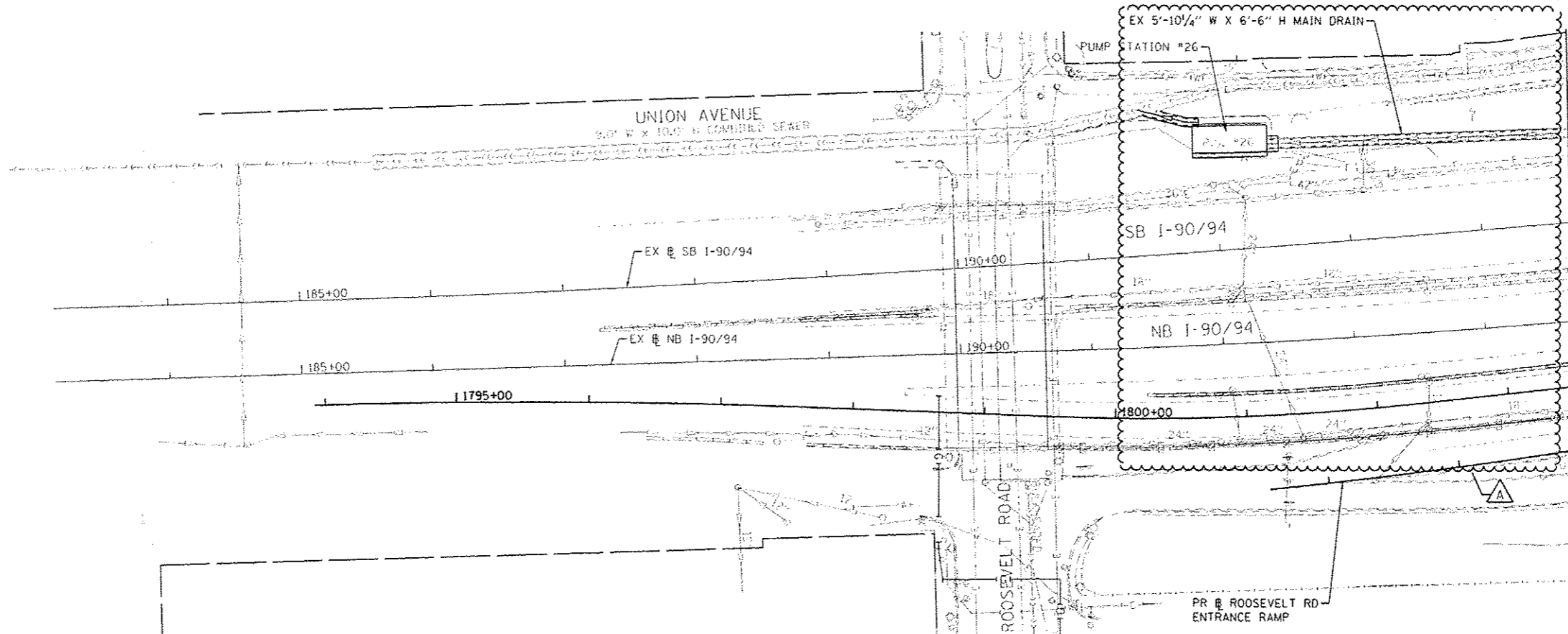
REVISIONS table with columns for description, date, and initials.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN MAINLINE STAGING 3C

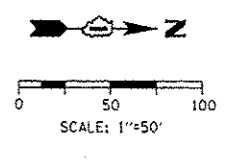
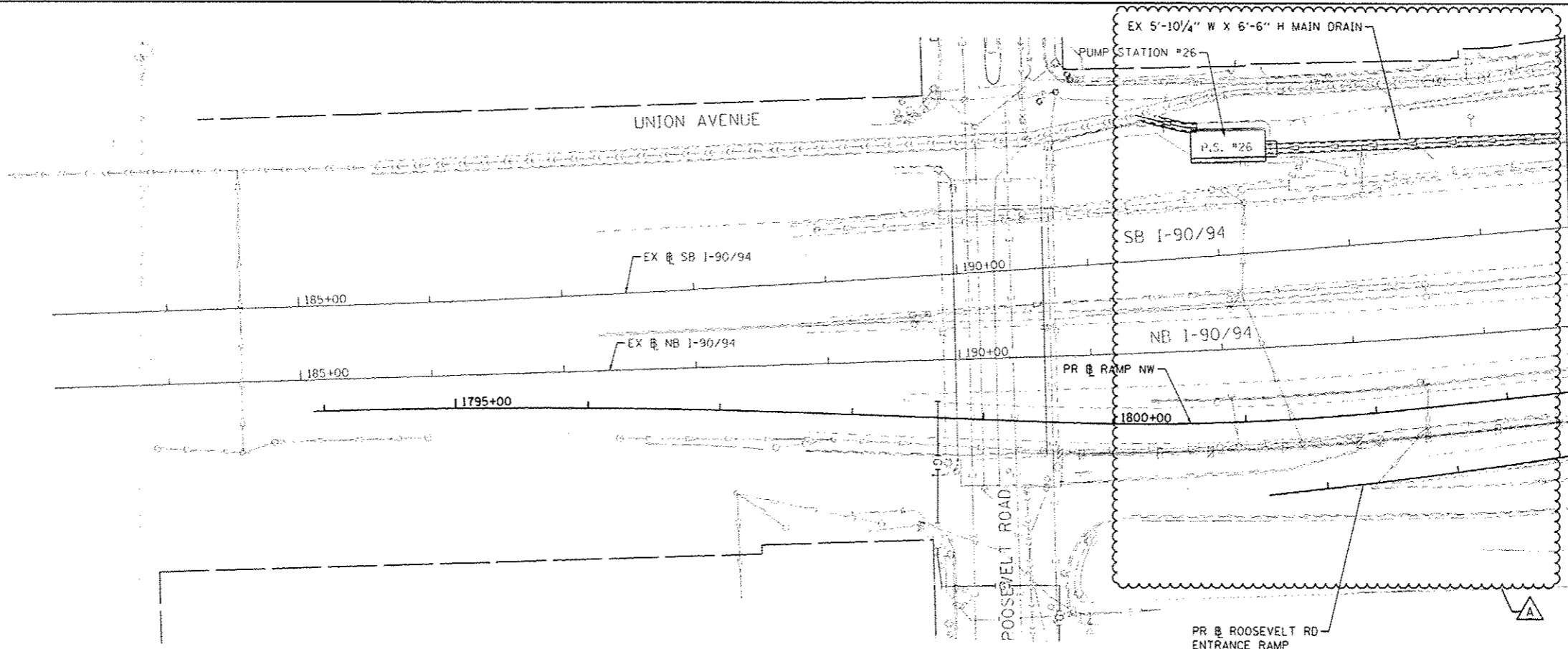
SCALE: 1" = 50' SHEET 9 OF 14 SHEETS STA. 1833+00 TO STA. 1847+00

Table with columns: F.A.I. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., CONTRACT NO. 60W28



MATCH LINE STA 1803+50
SEE SHT NO. 221

EXISTING



MATCH LINE STA 1803+50
SEE SHT NO. 221

PROPOSED

FILE PATH: c:\p1\38829\project\assessmen\map_data\p1\38829\Documents\130 - Intersect\transportation\62289438 - Civic\Phase 1\200_0401_202 - Roadway\Sheet\60W28.dwg



DESIGNED - DMS/AFC	REVISED - A 5/27/2014
DRAWN - DMS/AFC	REVISED -
CHECKED - EEE	REVISED -
DATE - 4/28/2014	REVISED -

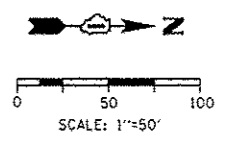
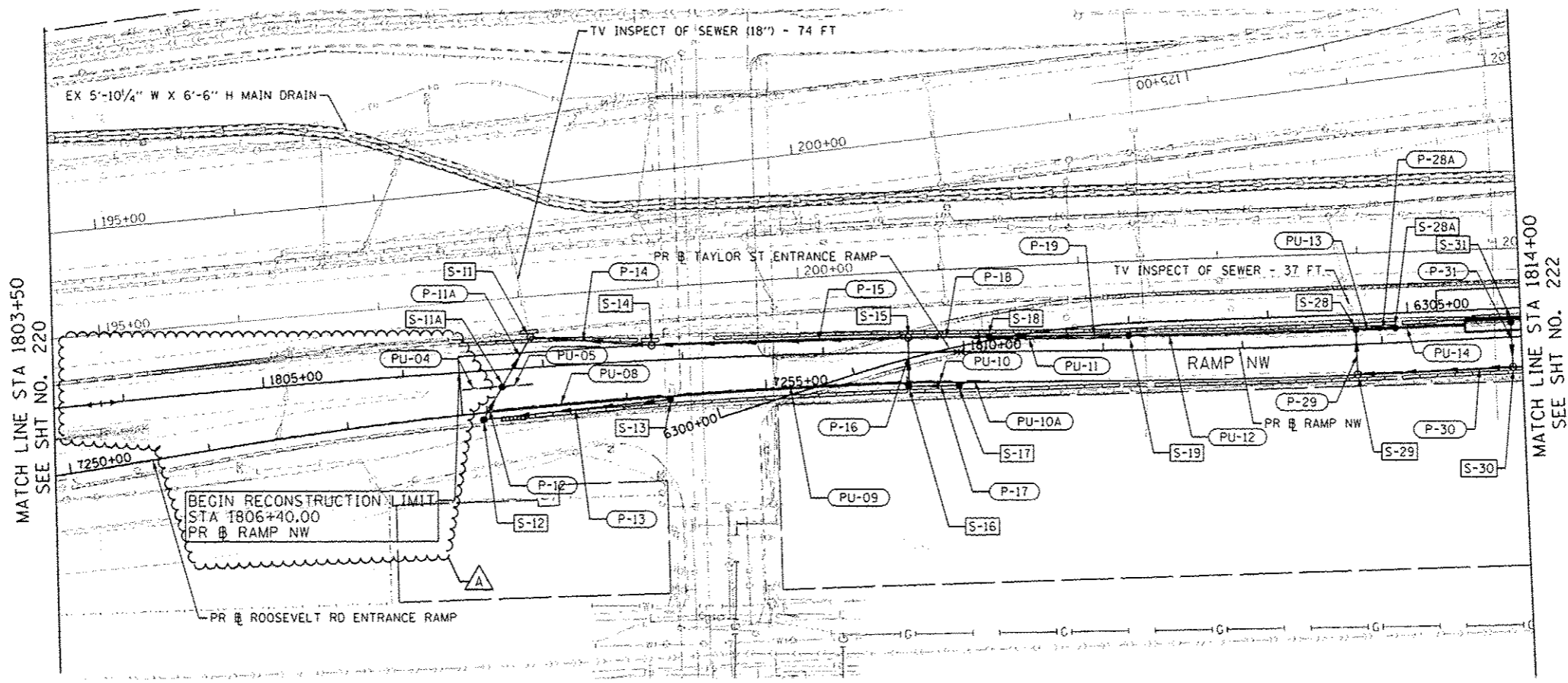
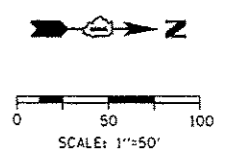
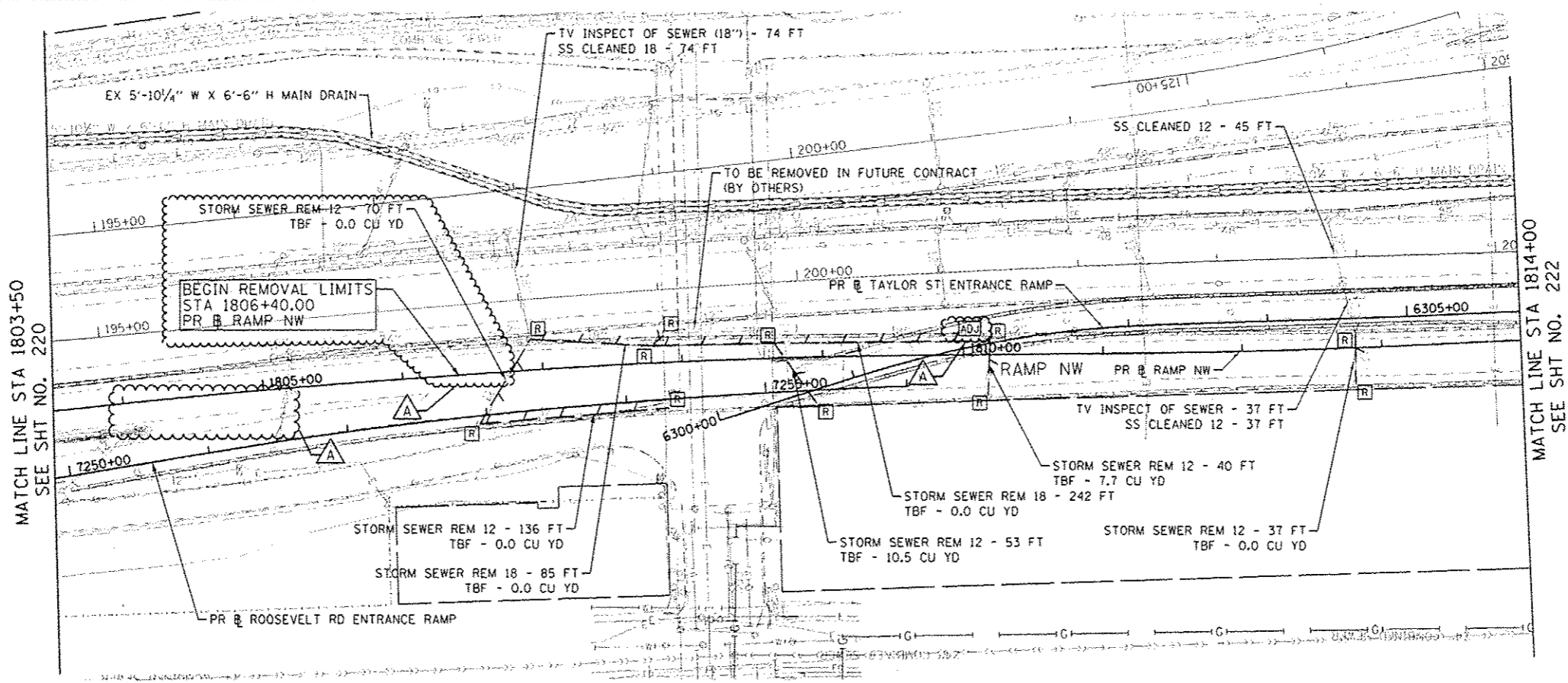
USER NAME - schmanski	
PLDT SCALE - 1/8"=1'-0"	
PLDT DATE - 5/22/2014	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY PLAN
RAMP NW**

SCALE: 1" = 50' SHEET 1 OF 6 SHEETS STA. 1802+75 TO STA. 1803+50

F.A.J. RTE. 90/94/290	SECTION 2013-010R	COUNTY COOK	TOTAL SHEETS 747	SHEET NO. 220
CONTRACT NO. 60W28				ILLINOIS FED. AID PROJECT



DESIGNED - DMS/AFC	REVISED - 5/27/2014
DRAWN - DMS/AFC	REVISED -
CHECKED - EBY	REVISED -
DATE - 4/28/2014	REVISED -

USER NAME - schmenshup
PLOT SCALE - 1/8\"/>
PLOT DATE - 5/22/2014

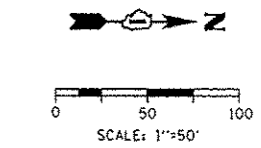
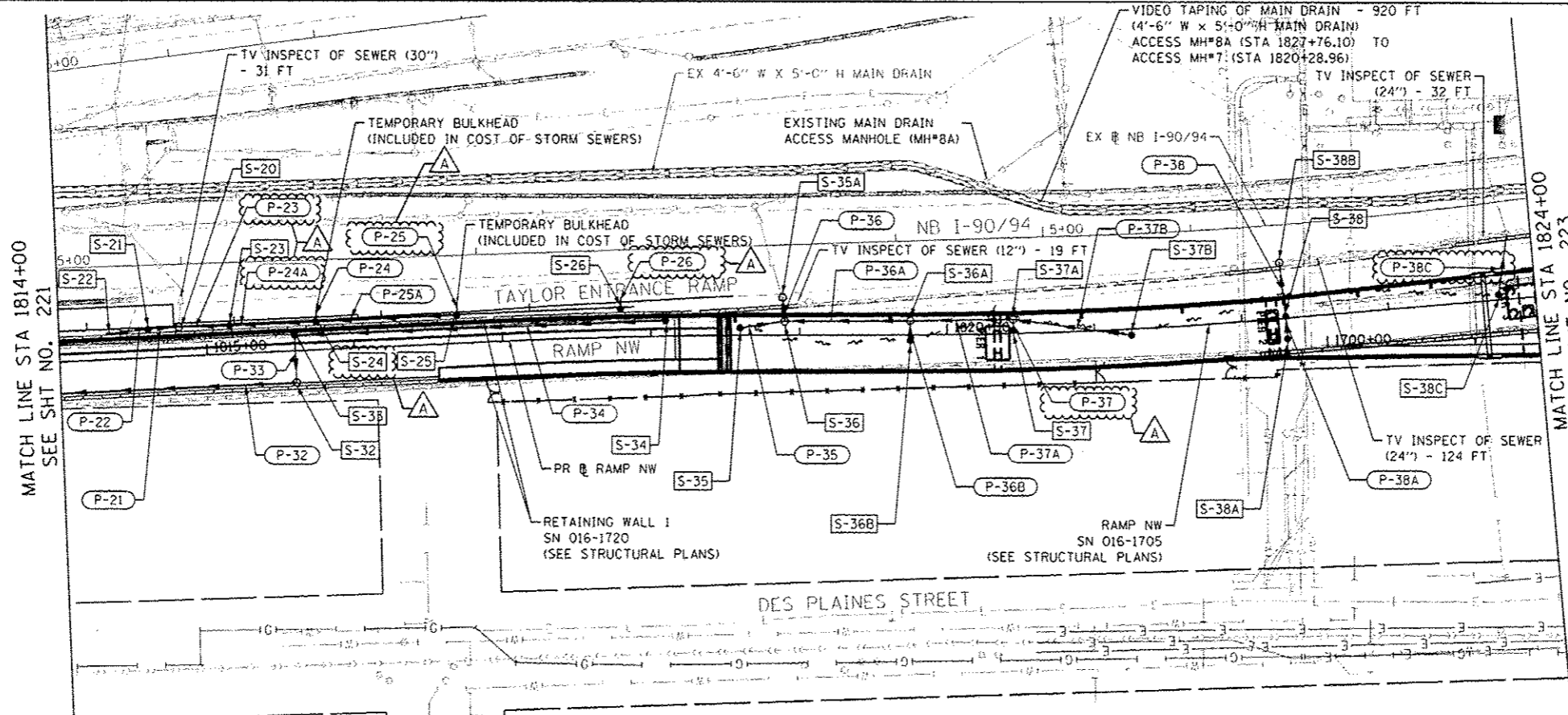
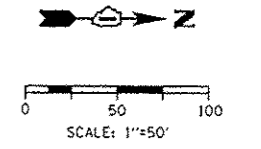
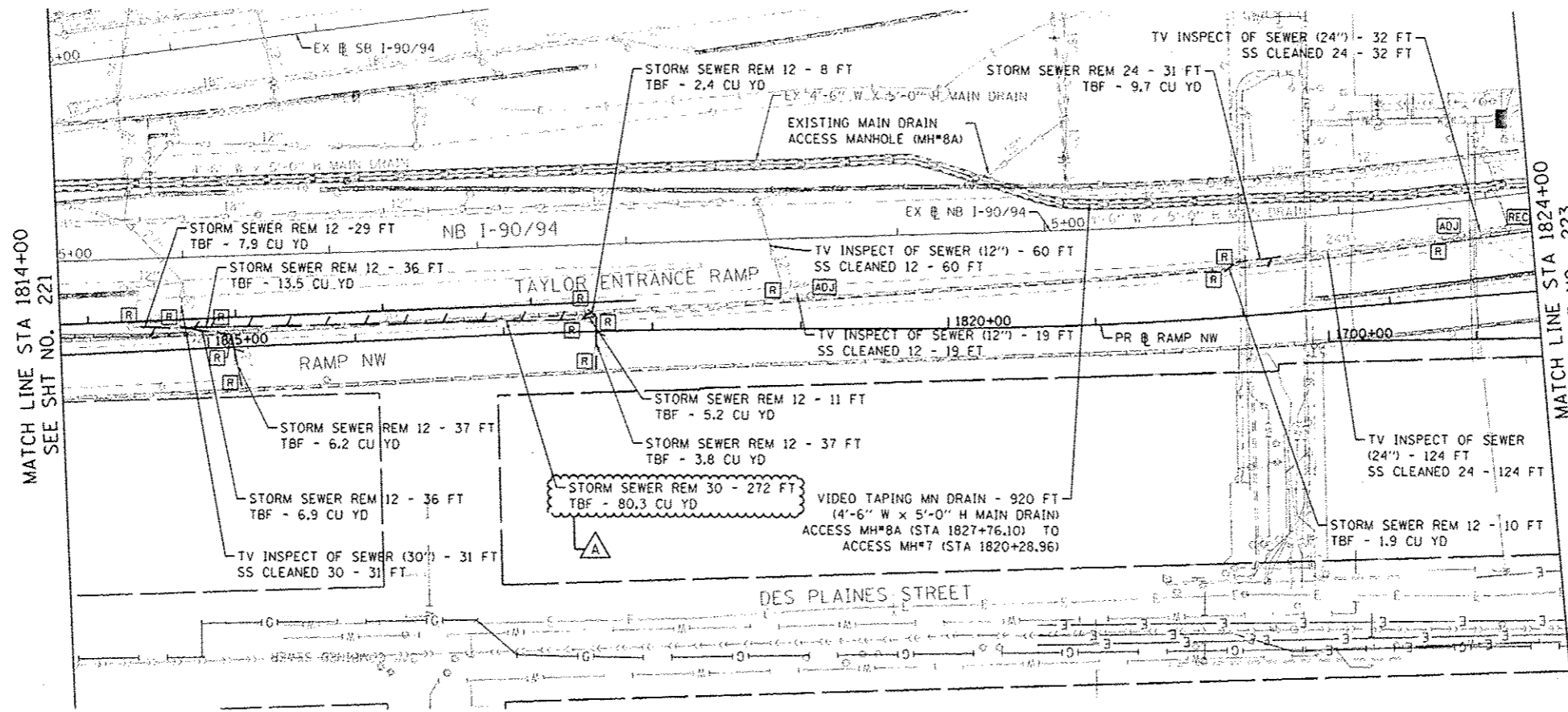
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY PLAN
RAMP NW**

SCALE: 1" = 50' SHEET 2 OF 6 SHEETS STA. 1803+50 TO STA. 1814+00

P.A.I. RTE. 90/94/290	SECTION 2013-010R	COUNTY COOK	TOTAL SHEETS 747	SHEET NO. 221
CONTRACT NO. 60W28				
ILLINOIS FED. AID PROJECT				

FILE PATH: \\s:\proj\128002\Project\Inspec\plan\60w28\128002\Drawings\128002\128002.dwg; Project: 128002; User: schmenshup; Date: 5/22/2014; Title: Drainage and Utility Plan - Ramp NW; Scale: 1/8\"/>



- NOTES**
- SEE RAMP NW (SN 016-1705) STRUCTURAL PLANS FOR DRAINAGE SCUPPER LOCATIONS.
 - SEE GRADING PLAN FOR LOW POINTS UNDER RAMP NW FLYOVER.

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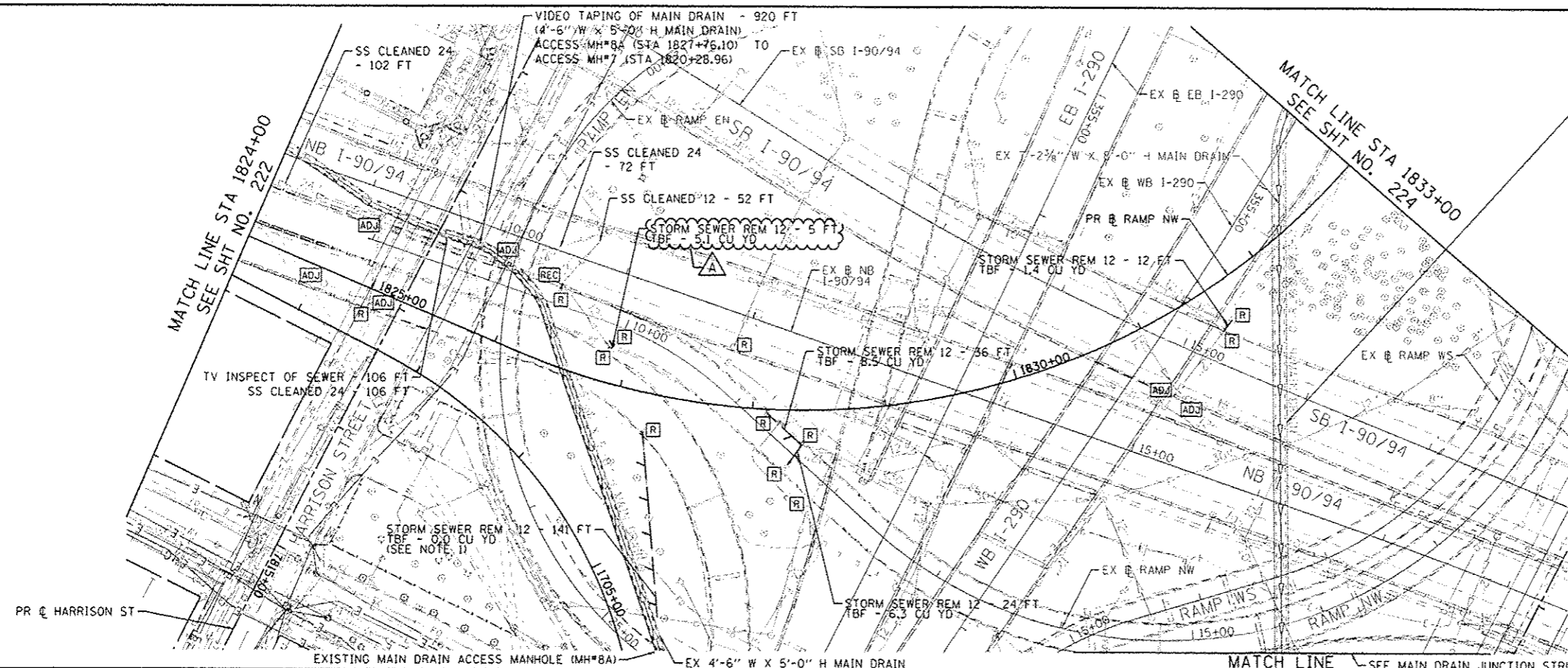
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USER NAME: schmanski	DRAWN - DMS/AFK	REVISED -
PLOT SCALE = 1/80,000 1" = 100'	CHECKED - EBY	REVISED -
PLOT DATE = 5/22/2014	DATE - 4/28/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLAN
RAMP NW

SCALE: 1" = 50' SHEET 3 OF 6 SHEETS STA. 1814+00 TO STA. 1824+00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-010R	COOK	747	222
				CONTRACT NO. 60W28
ILLINOIS FED. AID PROJECT				

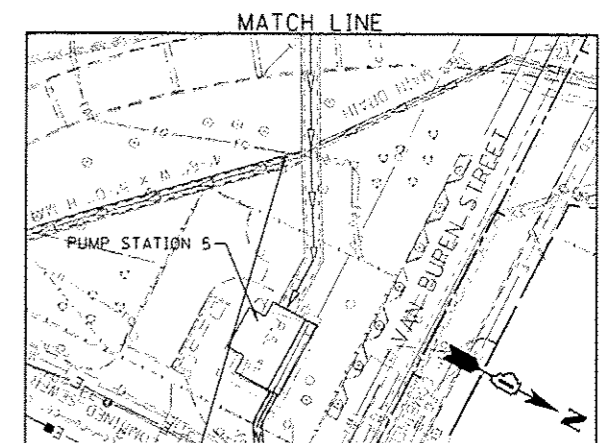


VIDEO TAPING OF MAIN DRAIN - 2,740 FT
 MAIN DRAIN CLEANING - 2,740 FT
 (EX 7'-2 3/8" W X 8'-0" H MAIN DRAIN)
 JUNCTION STRUCTURE ACCESS MH TO
 ACCESS MH*2 (STA 332+45.38) 2,740 FT

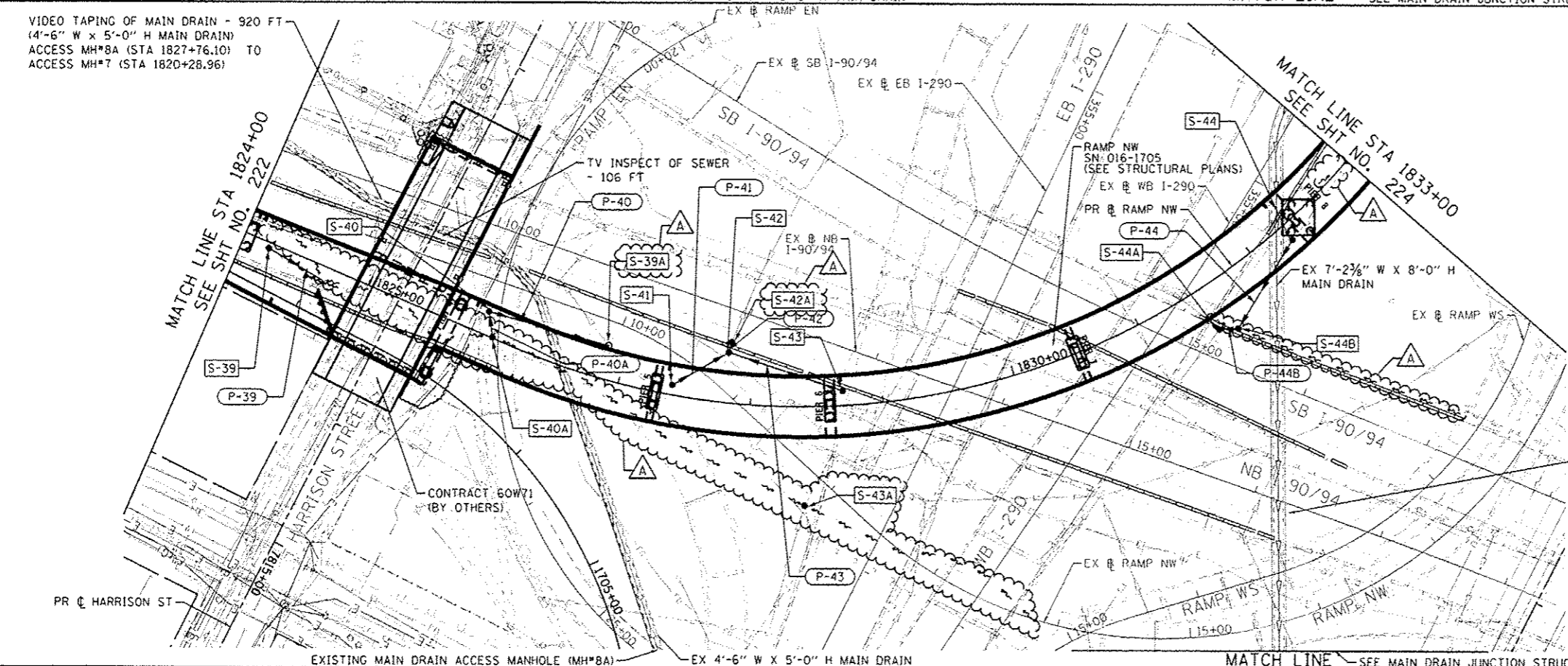
SCALE: 1"=50'

NOTES
 1. THE DRAINAGE STRUCTURES AND PIPES ALONG RAMP NE SHALL BE COORDINATED WITH THE HARRISON STREET BRIDGE (EAST) CONTRACTOR (CONTRACT 60W71).

**MAIN DRAIN
 JUNCTION STRUCTURE DETAIL**



JUNCTION STRUCTURE - ACCESS MANHOLE



SCALE: 1"=50'

NOTES
 1. SEE RAMP NW (SN 016-1705) STRUCTURAL PLANS FOR DRAINAGE SCUPPER LOCATIONS.
 2. SEE GRADING PLAN FOR LOW POINTS UNDER RAMP NW FLYOVER.

VIDEO TAPING OF MAIN DRAIN - 2,740 FT
 (EX 7'-2 3/8" W X 8'-0" H MAIN DRAIN)
 JUNCTION STRUCTURE ACCESS MH TO
 ACCESS MH*2 (STA 332+45.38)

PROPOSED



DESIGNED - DMS/AFC
 DRAWN - DMS/AFC
 CHECKED - EGY
 DATE - 4/28/2014

REVISED - A 5/27/2014
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

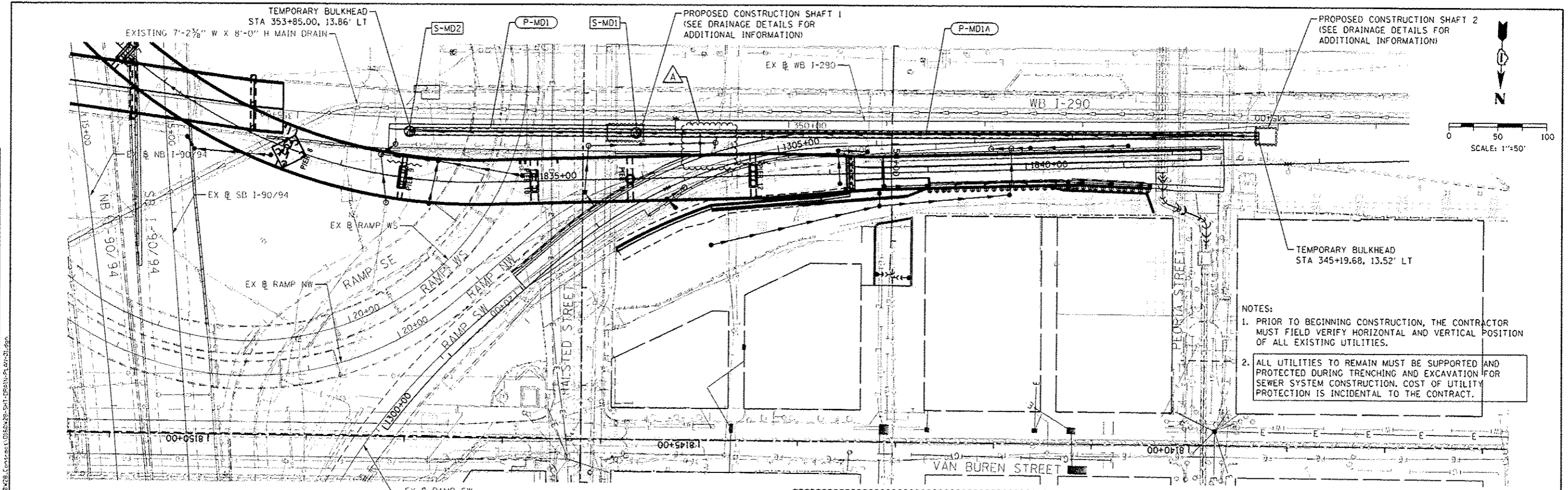
DRAINAGE AND UTILITY PLAN
 RAMP NW

SCALE: 1" = 50' SHEET 4 OF 6 SHEETS STA. 1824+00 TO STA. 1833+00

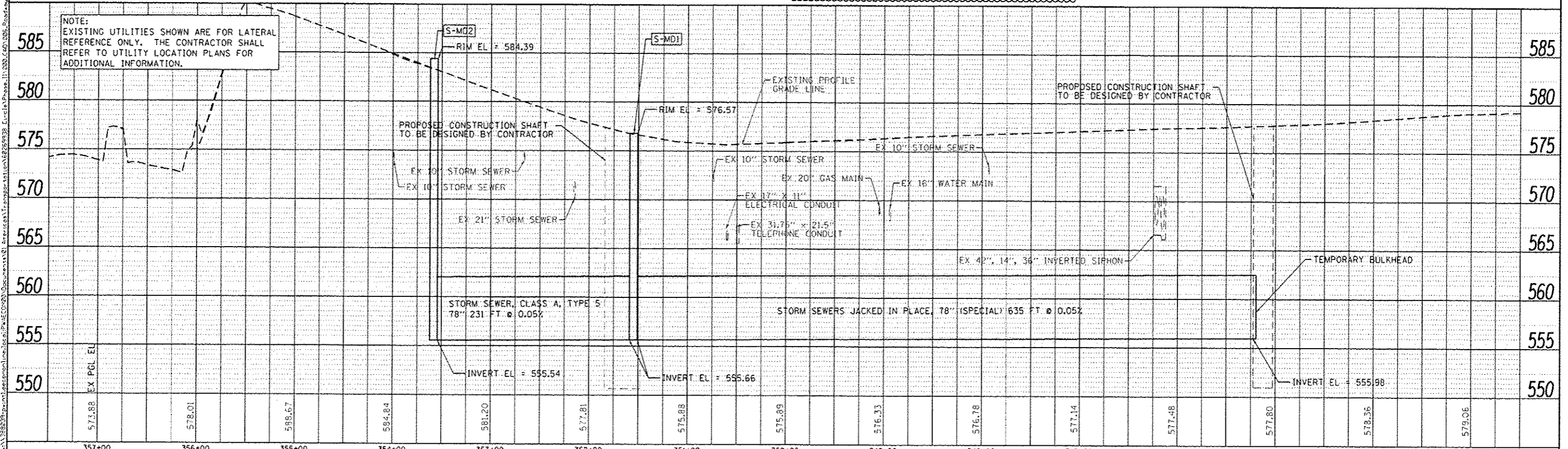
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-010R	COOK	747	223
				CONTRACT NO. 60W28
ILLINOIS FED. AID PROJECT				

DATE	
BY	
REVISION	
NO.	
DESCRIPTION	
DATE	
BY	
REVISION	
NO.	
DESCRIPTION	
DATE	
BY	
REVISION	
NO.	
DESCRIPTION	

DATE	
BY	
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BY	
REVISION	
NO.	
DESCRIPTION	

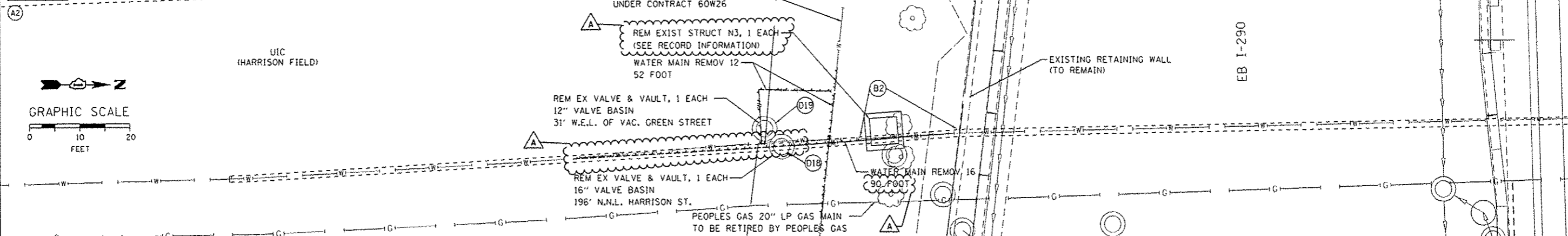


NOTES:
 1. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR MUST FIELD VERIFY HORIZONTAL AND VERTICAL POSITION OF ALL EXISTING UTILITIES.
 2. ALL UTILITIES TO REMAIN MUST BE SUPPORTED AND PROTECTED DURING TRENCHING AND EXCAVATION FOR SEWER SYSTEM CONSTRUCTION. COST OF UTILITY PROTECTION IS INCIDENTAL TO THE CONTRACT.

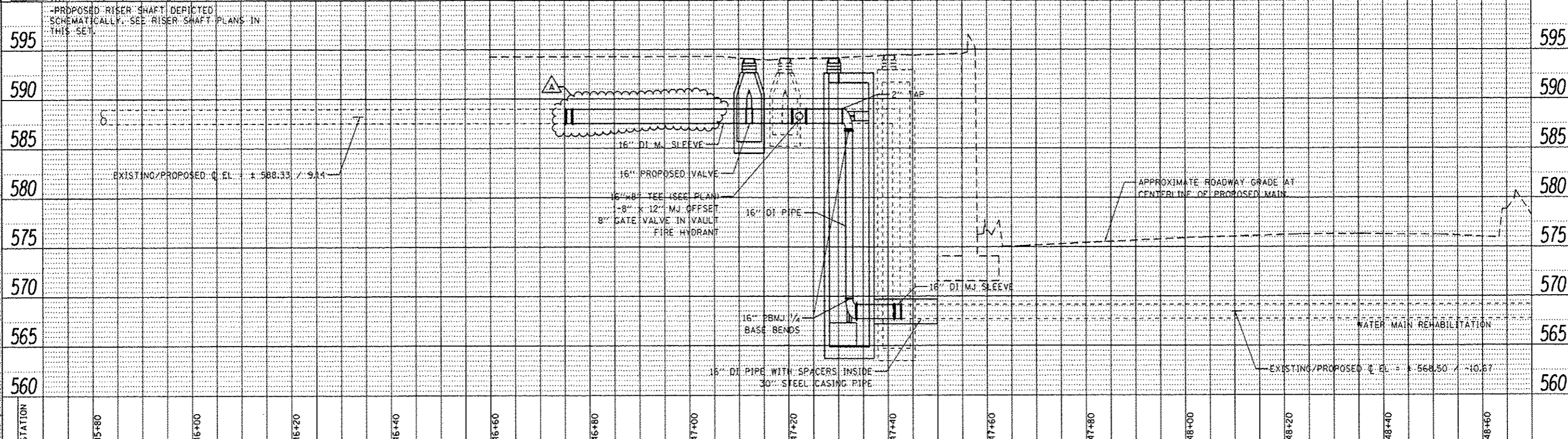
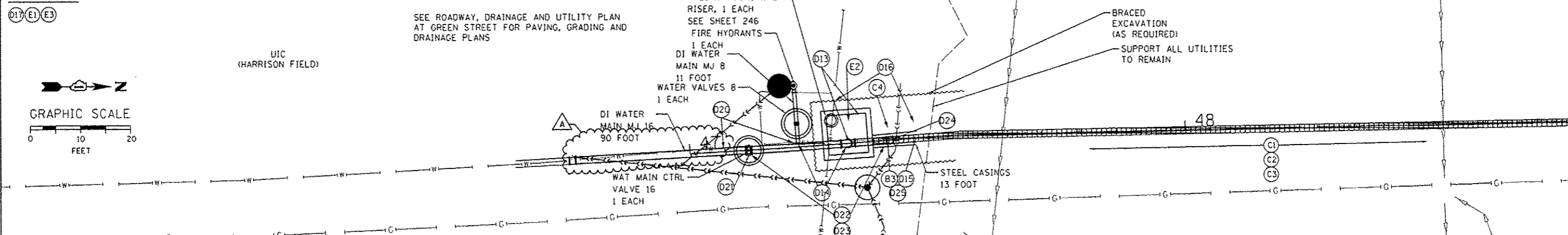


AECOM 303 EAST WACKER DRIVE, SUITE 1400 CHICAGO, IL 60601-2776 PHONE: (312) 373-1700 FAX: (312) 373-8800	DESIGNED - DWS DRAWN - DWS CHECKED - EBY DATE - 04/28/14	REVISED - 5/27/2014 REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITY PLAN AND PROFILE 78" MAIN DRAIN AT WB I-290	F.A.I. RTE. 90/94/290 SECTION 2013-010R COUNTY COOK TOTAL SHEETS 747 SHEET NO. 231 CONTRACT NO. 60W28 ILLINOIS FED. AID PROJECT
	SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. TO STA.				

EXISTING



PROPOSED



DATE	
BY	
PROJECT	
PLANNING	
DESIGN	
CONSTRUCTION	
OPERATION	
MAINTENANCE	
REVISIONS	
NO.	
DATE	
BY	
REASON	

DATE	
BY	
PROJECT	
PLANNING	
DESIGN	
CONSTRUCTION	
OPERATION	
MAINTENANCE	
REVISIONS	
NO.	
DATE	
BY	
REASON	

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0160W28-sh+WM-04.dgn
 USER NAME: Cooper-H2
 PLOT SCALE: 20,0000' / in.
 PLOT DATE: 5/26/2014

DESIGNED - HHC
 DRAWN - HHC
 CHECKED - RBB
 DATE - 04/28/14

REVISED - 5/27/2014
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**WATER MAIN RELOCATION
 PLAN AND PROFILE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. R.T.C.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-010R	COOK	747	241
CONTRACT NO. 60W28				
ILLINOIS FED. AID PROJECT				

REMOVAL AND PROPOSED SIGN SCHEDULE

DESCRIPTION				LOCATION (STATION / OFFSET)		EXISTING PANEL DIMENSIONS		PROPOSED PANEL DIMENSIONS		SIGN PANEL TYPE 2	SIGN PANEL TYPE 3	WOOD SIGN SUPPORT	REMOVE SIGN PANEL ASSEMBLY - TYPE A	REMOVE SIGN PANEL ASSEMBLY - TYPE B	OVERHEAD SIGN STRUCTURE - SPAN, TYPE 1-A (4'-0" X 4'-6")	REMOVE OVERHEAD SIGN STRUCTURE - SPAN	TELESCOPING STEEL SIGN SUPPORT (SPECIAL)	REMOVE, STORE AND RE-ERECT SIGN PANEL (SPECIAL)	
LOCATION	SIGN NO.	LEGEND / DESCRIPTION	CODE	ACTION	BASELINE RAMP NW	WIDTH (FT)	HEIGHT (FT)	WIDTH (FT)	HEIGHT (FT)	(SQ FT)	(SQ FT)	(FOOT)	(EACH)	(EACH)	(FOOT)	(EACH)	(FOOT)	(EACH)	
RAMP NW	NW-01-WP	MERGE RIGHT	W4-3R	INSTALL NEW SIGN AND POST	1803+50			4.00	4.00	16		16.00							
	NW-02-TS(S)	SPEED LIMIT 35 MPH	R2-1	INSTALL NEW SIGN AND POST ON BARRIER WALL	1812+00			4.00	5.00	20								8.00	
	NW-03-TS(S)	SPEED LIMIT 35 MPH	R2-1	INSTALL NEW SIGN AND POST ON BARRIER WALL	1812+00			4.00	5.00	20								8.00	
	EX-01-OV	I-290 WEST EISENHOWER EXPY WEST SUBURBS DOWN ARROW		REMOVE EXISTING SIGN PANEL AND OVERHEAD SIGN STRUCTURE - SPAN	1818+33		16.00	10.50	-	-									
	EX-02-OV	CONGRESS PKWY/CHICAGO LOOP DOWN ARROW		REMOVE EXISTING SIGN PANEL AND OVERHEAD SIGN STRUCTURE - SPAN	1822+55		17.00	10.50	-	-									
	EX-01-SA	DOUBLE DOWN	W12-1	REMOVE EXISTING SIGN	1822+55	LT	4.00	4.00					1						
	EX-02-SA	CURVE RT	W1-2	REMOVE EXISTING SIGN	1823+88	LT	4.00	4.00						1					
	EX-02-SA	ADVISORY SPEED: 30 MPH	W13-1	REMOVE EXISTING SIGN	1823+88	LT	2.50	2.50							1				
	NW-03-OV	I-290 WEST EISENHOWER EXPY AURORA 45 DEGREE UP ARROWS	M1-1	INSTALL NEW SIGNS ON PROPOSED OVERHEAD SIGN STRUCTURE	1823+65.50				17.50	13.50		236.25				SEE OVERHEAD SIGN STRUCTURE FOR BILL OF MATERIALS FOR QUANTITY			
	NW-04-OV	CONGRESS EXPY EXIT ONLY		INSTALL NEW SIGNS ON PROPOSED OVERHEAD SIGN STRUCTURE	1823+65.50				16.50	7.00		115.50							
	NW-02-EXT	EXIT 51 I		INSTALL NEW SIGNS ON PROPOSED OVERHEAD SIGN STRUCTURE	1823+65.50				13.00	2.50		32.50							
	EX-03-SA	CHEVRON ALIGNMENT	W1-BR	REMOVE EXISTING SIGN	1827+18	LT	3.00	4.00							1				
	EX-04-SA	CHEVRON ALIGNMENT	W1-BR	REMOVE EXISTING SIGN	1828+22	LT	3.00	4.00							1				
	EX-01-CM	NOTICE, MOVE OVER - SLOW DOWN FOR STOPPED EMERGENCY OR MAINTENANCE VEHICLES, IT'S THE LAW			1833+88	LT			-	-									1
	ROUNDED TOTAL										56.0	384.5	16	1	3	-	1	16	1

NOTES:
1. SEE OVERHEAD SIGN STRUCTURES GENERAL PLAN AND ELEVATION SHEET FOR OVER HEAD SIGN STRUCTURE QUANTITIES.

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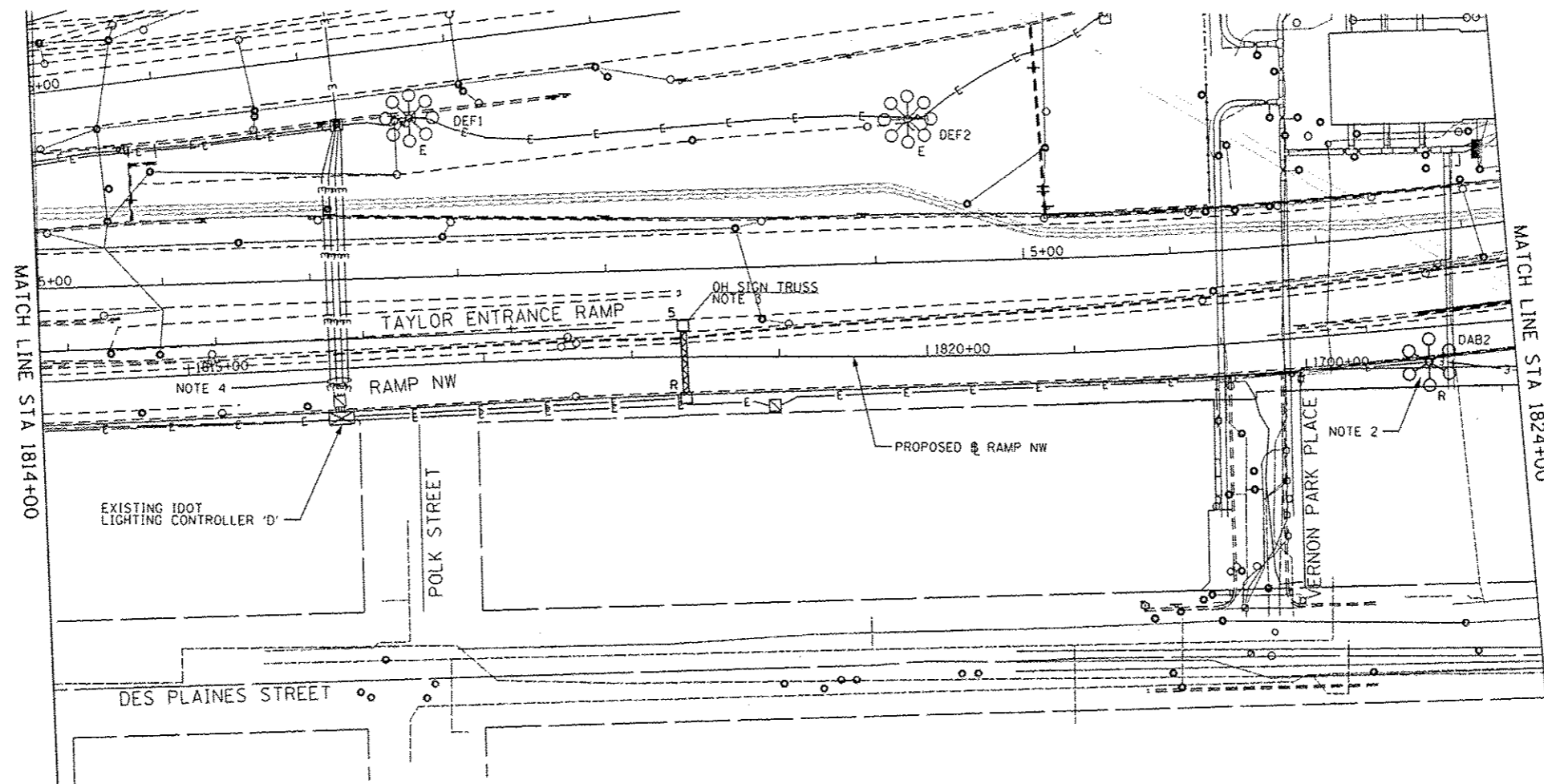
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REVISED - 5/27/2014
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

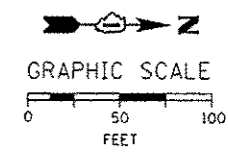
SIGNING
 SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-010R	COOK	747	269
CONTRACT NO. 60W28				
ILLINOIS FED. AID PROJECT				



NOTES:

1. SEE DRAWING E-01 FOR IDOT ELECTRICAL SYMBOLS.
2. EXISTING LIGHT TOWER DAB2 SHALL NOT BE REMOVED UNTIL THE PROPOSED LIGHT TOWER DAB2, SHOWN ON DRAWING E-08, HAS 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 NEEDED, 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 IDOT LIGHTING SYSTEM. IF REQUESTED, THE CONTRACTOR SHALL PROVIDE PHOTOMETRIC CALCULATIONS FOR THE TEMPORARY LIGHTING SYSTEM FOR IDOT'S REVIEW AND APPROVAL.
3. DISCONNECT THE EXISTING SIGN LIGHTING ELECTRICAL FEED AND REMOVE CABLES BACK TO THE NEAREST SPLICE POINT. SIGN LUMINAIRES AND ALL ELECTRICAL EQUIPMENT MOUNTED TO SIGN STRUCTURE WILL BE REMOVED AS PART OF THE STRUCTURE. COORDINATE THIS WORK WITH THE SIGN STRUCTURE REMOVAL.
4. THE EXISTING LIGHTING CIRCUITS FED FROM EXISTING IDOT LIGHTING CONTROLLER 'D' MUST REMAIN IN SERVICE FOR THE DURATION OF THE PROJECT. THE EXISTING LIGHTING CONDUITS MUST BE PROTECTED FROM DAMAGE DURING THE CONSTRUCTION OF THE PROPOSED RETAINING WALL. THE COST OF PROTECTING THE EXISTING CONDUITS WILL NOT BE PAID FOR SEPARATELY AND WILL BE INCLUDED IN THE COST OF THE MAINTENANCE OF LIGHTING SYSTEM PAY ITEM. ANY DAMAGE INCURRED BY THE EXISTING CONDUITS WILL BE REPAIRED OR REPLACED IN KIND BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST TO THE CONTRACT. IF THE CONDUITS CANNOT BE ADEQUATELY PROTECTED DURING THE CONSTRUCTION WORK, THE CONTRACTOR SHALL PROVIDE TEMPORARY POWER FEEDS TO KEEP THE EXISTING LIGHTING SYSTEM OPERATIONAL AT NO ADDITIONAL COST TO THE CONTRACT. IF IT IS DETERMINED THAT TEMPORARY FEEDS ARE REQUIRED, THE CONTRACTOR SHALL SUBMIT THEIR PROPOSED TEMPORARY LIGHTING POWER FEED PLAN TO IDOT FOR REVIEW AND APPROVAL PRIOR TO BEGINNING ANY WORK.
5. LOCATIONS OF EXISTING ELECTRICAL EQUIPMENT SHOWN ON THIS DRAWING ARE APPROXIMATIONS AND MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR.



E-03

FILE PATH: g:\388879\p\in\1\asession\line\local\PMSE\CD\60\Documents\388879\Phase 1\1800_CAD\BIE_Electrical\Temporary\Station\1824\9428_Circuit\Phase 1\1800_CAD\BIE_Electrical\Sheet\60W28-ah-Light-03



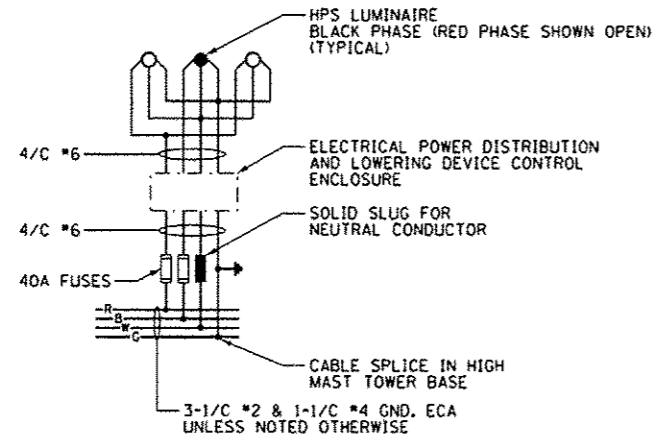
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PLOT DATE - 5/28/2014	DATE - 04/28/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

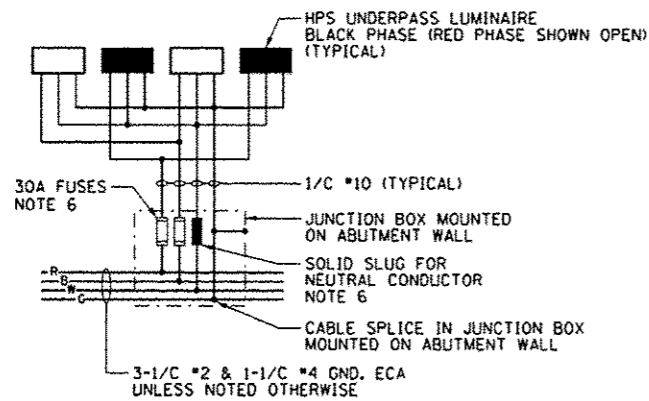
RAMP NORTHWEST
EXISTING/TEMPORARY LIGHTING PLAN
SCALE: 1"=50' SHEET 3 OF 17 SHEETS STA. 1814+00 TO STA. 1824+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-010R	COOK	747	293
CONTRACT NO. 60W28				
ILLINOIS FED. AID PROJECT				

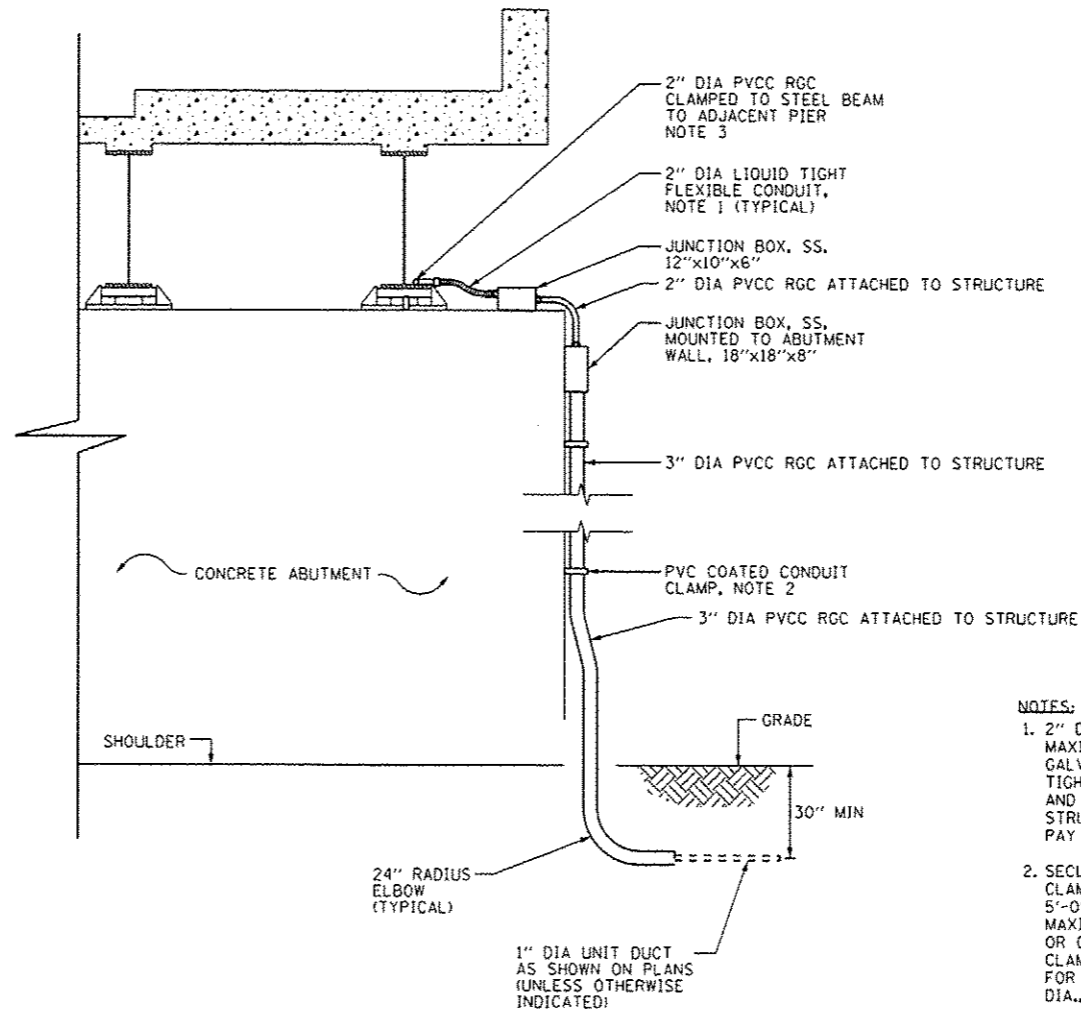
HIGH MAST LIGHT TOWER FOUNDATION SCHEDULE								
HIGH MAST LIGHT TOWER IDENTIFICATION	HIGH MAST LIGHT TOWER FOUNDATION LOCATION			HIGH MAST LIGHT TOWER FOUNDATION ELEVATIONS			HIGH MAST TOWER HEIGHT	REMARKS AND NOTES
	STATION	OFFSET (NOTE 4)	BASELINE	TOP ELEVATION	BOTTOM ELEVATION	DESIGN DEPTH (FT)		
DAB2	1822+13.00	35.50' RT	NW RAMP	594.02	524.02	70.0	130'	SEE NOTES 4 AND 5.
ZCD1	1832+94.91	127.53' RT	NW RAMP	587.72	532.72	55.0	150'	SEE NOTES 4 AND 5.
GAB11	1836+75.00	55.00' RT	NW RAMP	595.04	544.04	51.0	150'	SEE NOTES 4 AND 5.



TYPICAL HIGH MAST LIGHT TOWER WIRING DIAGRAM
NOT TO SCALE



TYPICAL UNDERPASS LIGHTING UNIT WIRING DIAGRAM
NOT TO SCALE



CONDUIT ATTACHED TO STRUCTURE DETAIL
NOT TO SCALE

- NOTES:
- 2" 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, 2" DIA., GALVANIZED STEEL, PVC COATED" PAY ITEM.
 - 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.
 - SEE DRAWING E-12 FOR THE ROUTING OF THE CONDUIT ATTACHED TO STRUCTURE.
 - SEE IDOT STANDARDS BE-506 AND BE-511 FOR LIGHT TOWER FOUNDATION DETAILS.
 - THE SCHEDULE ON THIS DRAWING REPLACES THE "SHAFT LENGTH (D) TABLE" SHOWN ON IDOT STANDARDS BE-506 AND BE-511.
 - 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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D:\60W28-ehc-light-16
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PLOT DATE: 5/22/2014

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DRAWN - CAM	REVISED -
CHECKED - WDS	REVISED -
DATE - 04/28/14	REVISED -

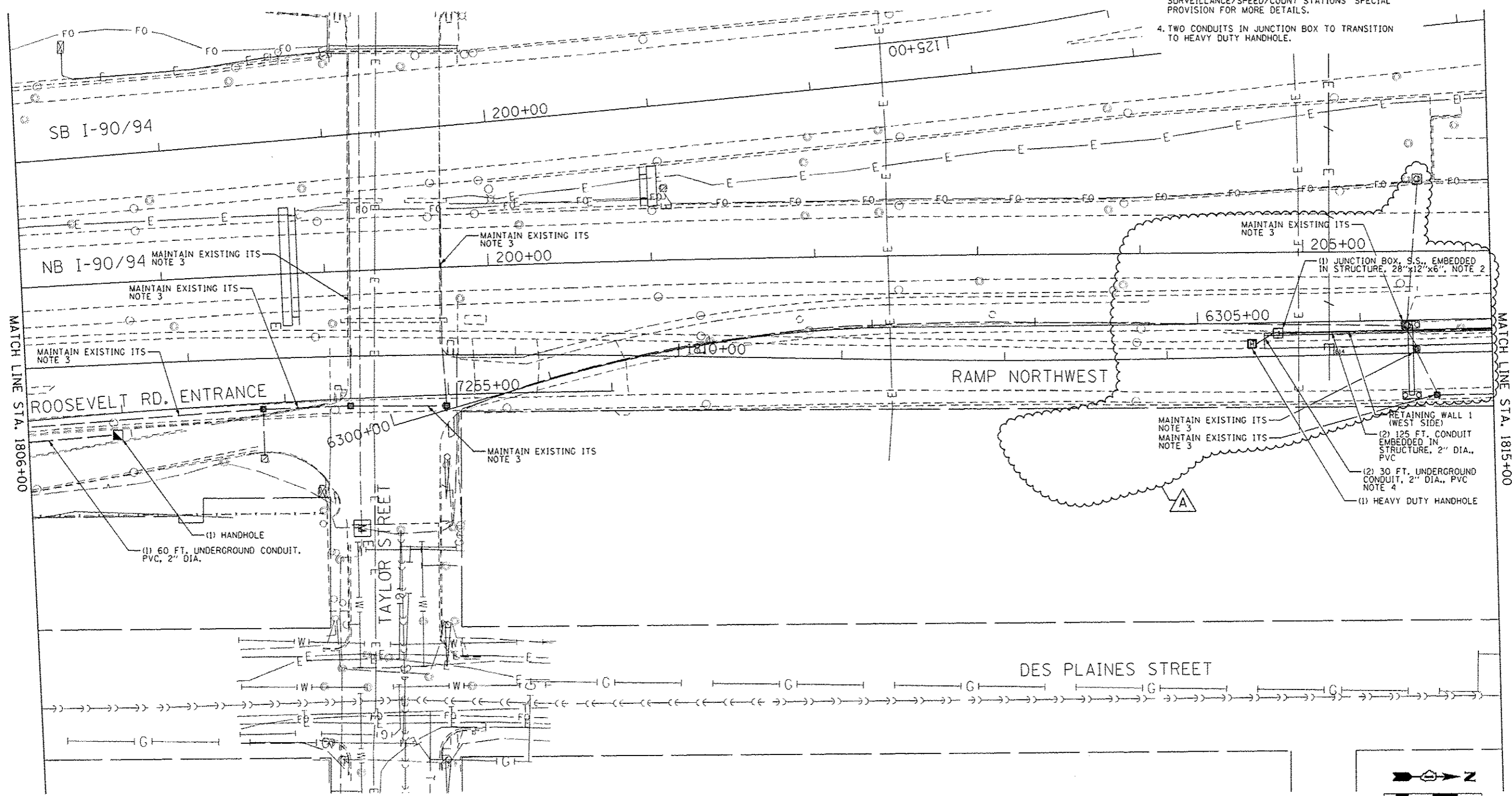
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS ELECTRICAL DETAILS

SCALE: N.T.S. SHEET 16 OF 17 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-010R	COOK	747	306
CONTRACT NO. 60W28				
ILLINOIS FED. AID PROJECT				

- NOTES:**
1. TWO 2" DIAMETER CONDUITS TO BE INSTALLED IN THE BARRIER RAIL OF THE RETAINING WALL.
 2. JUNCTION BOX TO BE INSTALLED IN THE BARRIER RAIL OF THE RETAINING WALL.
 3. MAINTAIN THE EXISTING IDOT DETECTION SYSTEM (ITS) AFFECTED BY THE NW FLYOVER CONSTRUCTION. THIS WORK SHALL BE INCLUDED IN THE COST OF THE 'MAINTAINING ITS DURING CONSTRUCTION' PAY ITEM. SEE THE 'OPERATION OF EXISTING TRAFFIC SURVEILLANCE/SPEED/COUNT STATIONS' SPECIAL PROVISION FOR MORE DETAILS.
 4. TWO CONDUITS IN JUNCTION BOX TO TRANSITION TO HEAVY DUTY HANDHOLE.



FILE PATH: \\p011288338\p011288338\work\60625908_Circle\90942908_0625908_Circle\90942908_Contract\90942908-1-115-03



0160V20-sh-115-03
 USER NAME: mjg
 PLOT SCALE: 60.0000' / in.
 PLOT DATE: 5/21/2014

DESIGNED - GWS
 DRAWN - CAM
 CHECKED - JDG
 DATE - 04/28/14

REVISED - 5/27/2014
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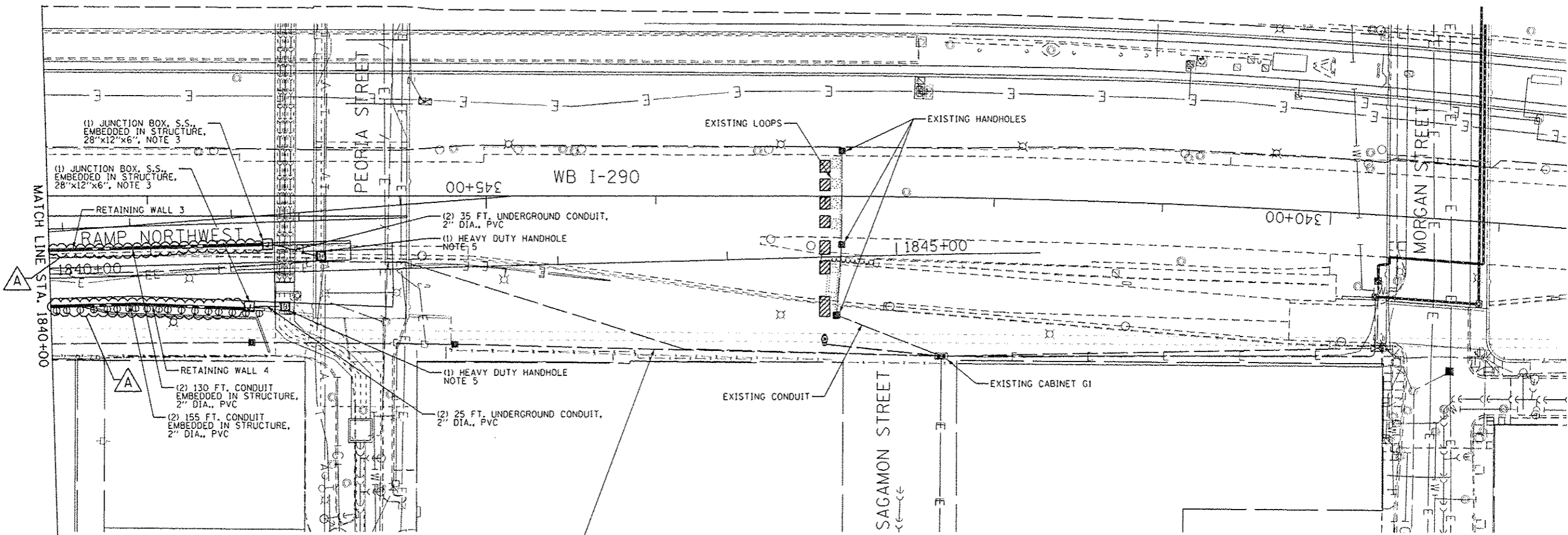
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED ITS PLAN
RAMP NORTHWEST

SCALE: 1"=30' SHEET 3 OF 9 SHEETS STA. 1806+00 TO STA. 1815+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-010R	COOK	747	310
				CONTRACT NO. 60W28
ILLINOIS FED. AID PROJECT				

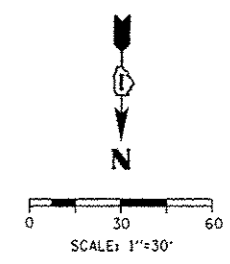
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TO BE INSTALLED UNDER CONTRACTS 60W26 AND 60W29 (BY OTHERS):
 3" PVC CONDUIT
 (1) 6/C #19 COMM. CABLE
 (1) 2/C #6 WITH #8 GROUND POWER CABLE

NOTES:

1. MAINTAIN THE EXISTING IDOT DETECTION SYSTEMS (ITS) AFFECTED BY THE NW FLYOVER CONSTRUCTION. THIS WORK SHALL BE INCLUDED IN THE COST OF THE 'MAINTAINING ITS DURING CONSTRUCTION' PAY ITEM. SEE THE 'OPERATION OF EXISTING TRAFFIC SURVEILLANCE/SPEED/COUNT STATIONS' SPECIAL PROVISION FOR ADDITIONAL DETAILS.
2. TWO 2" DIAMETER CONDUITS TO BE INSTALLED IN THE BARRIER WALL OF THE RETAINING WALL.
3. JUNCTION BOX TO BE INSTALLED IN BARRIER RAILS OF RETAINING WALL.
4. TWO 2" DIAMETER CONDUITS IN BARRIER RAIL TO TRANSITION TO HEAVY DUTY HANDHOLE.
5. HEAVY DUTY HANDHOLES AT THE END OF WALL 3 AND WALL 4 TO BE INSTALLED IN THE SHOULDER OF THE NW RAMP.



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PLOT DATE: 5/21/2014	DATE: 04/28/14	REVISED -

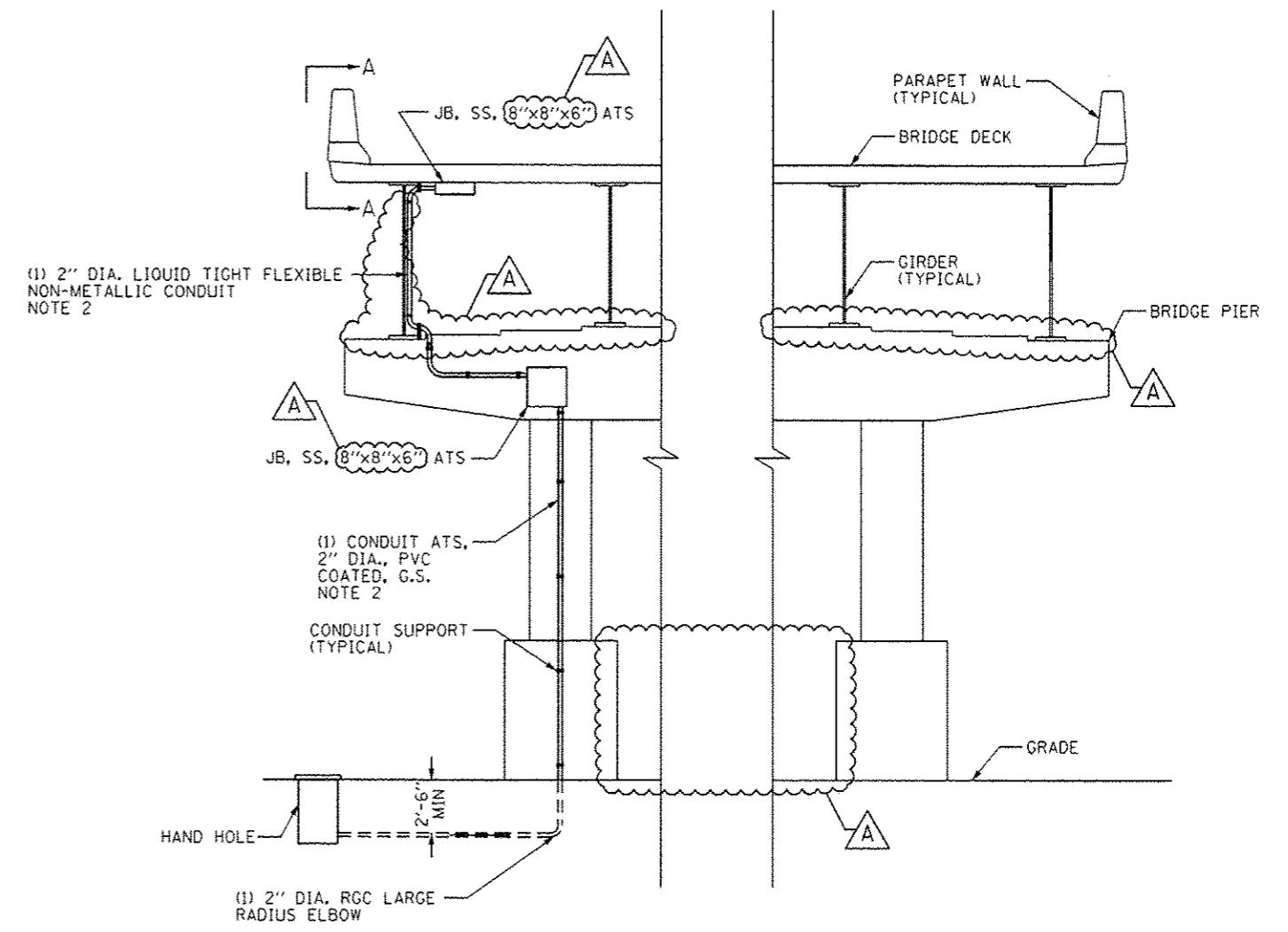
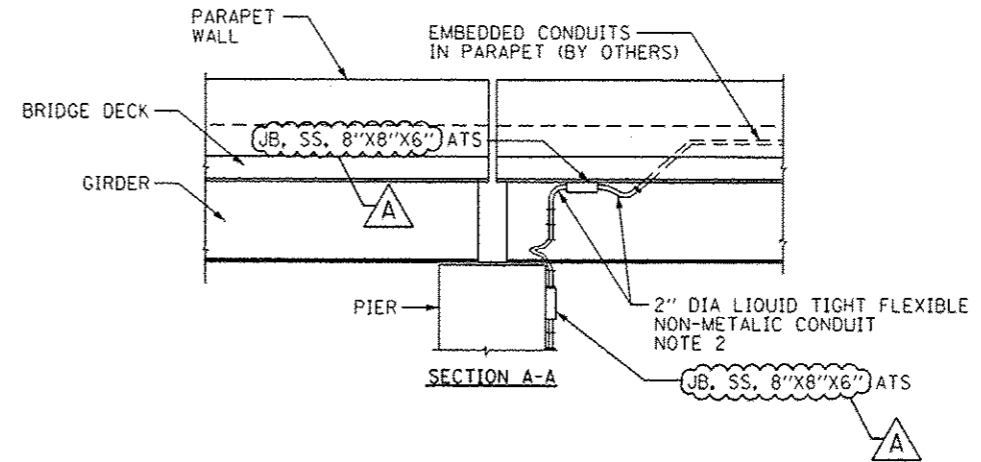
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PROPOSED ITS PLAN RAMP NORTHWEST	
SCALE: 1"=30'	SHEET 7 OF 9 SHEETS
STA. 1840+00	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-010R	COOK	747	314
CONTRACT NO. 60W26				
ILLINOIS FED. AID PROJECT				

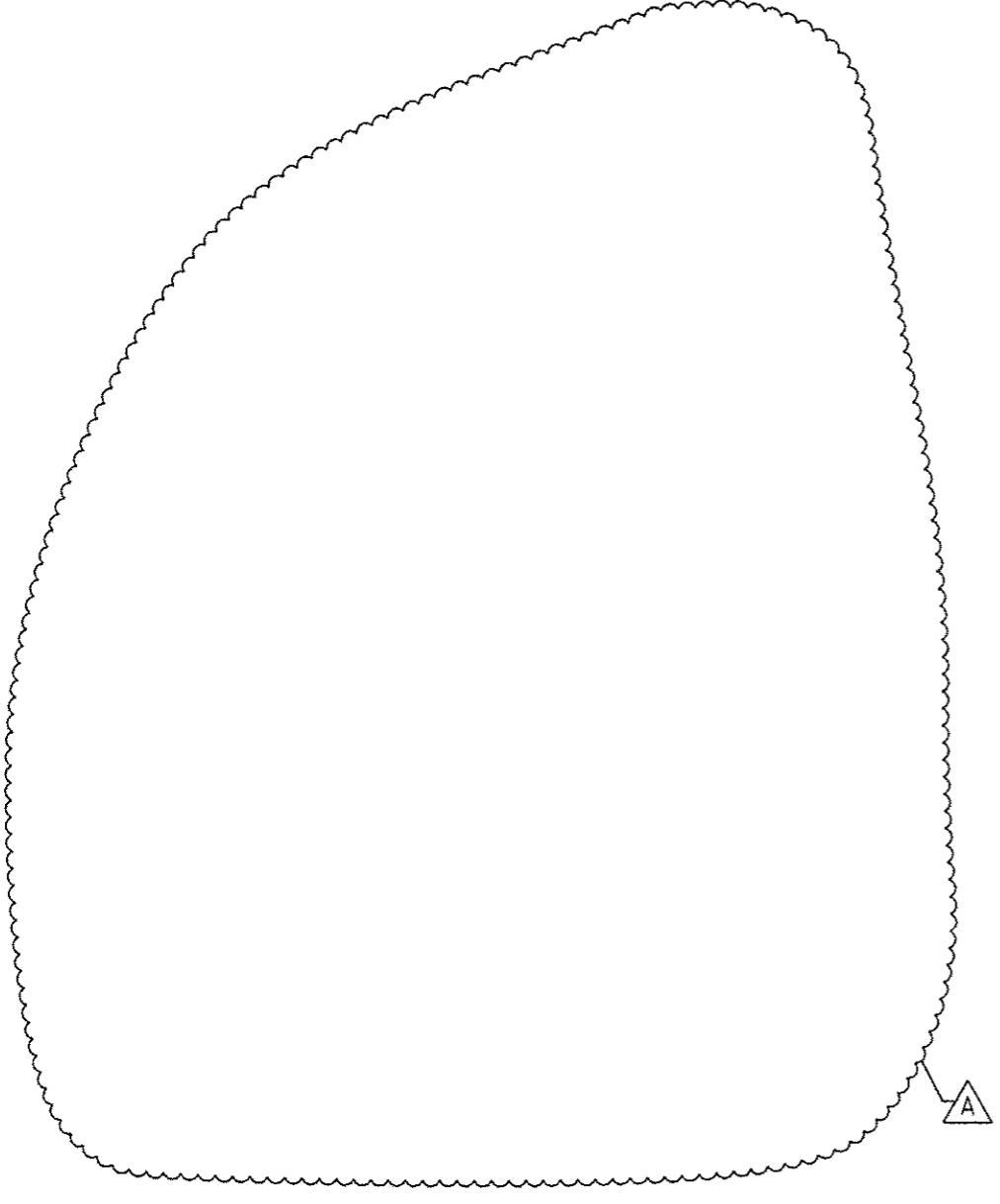
NOTES:

1. THE FLEXIBLE CONDUIT WILL BE MEASURED AND PAID FOR UNDER THE "CONDUIT ATTACHED TO STRUCTURE, 2" DIA., PVC COATED, GALVANIZED STEEL" PAY ITEMS.
2. AT ALL LOCATIONS WHERE 17'-3" MINIMUM CLEARANCE UNDER PIER CAP CAN BE PROVIDED, CONDUIT ATTACHED TO THE STRUCTURE SHALL BE PLACED IN THE REVEAL OF THE PIER AND SHALL NOT CONFLICT WITH DRAINAGE INFRASTRUCTURE.



CONDUIT ATTACHED TO PIER INSTALLATION DETAIL

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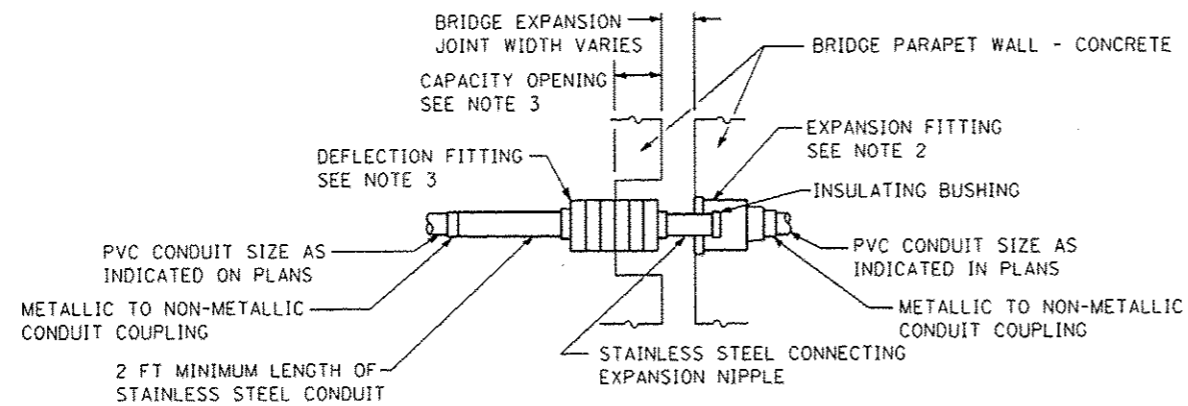


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PLOT DATE - 5/21/2014	DATE - 04/28/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ITS CONDUIT ATTACHED TO PIER DETAIL
SCALE: NO SCALE SHEET 9 OF 9 SHEETS STA. TO STA.

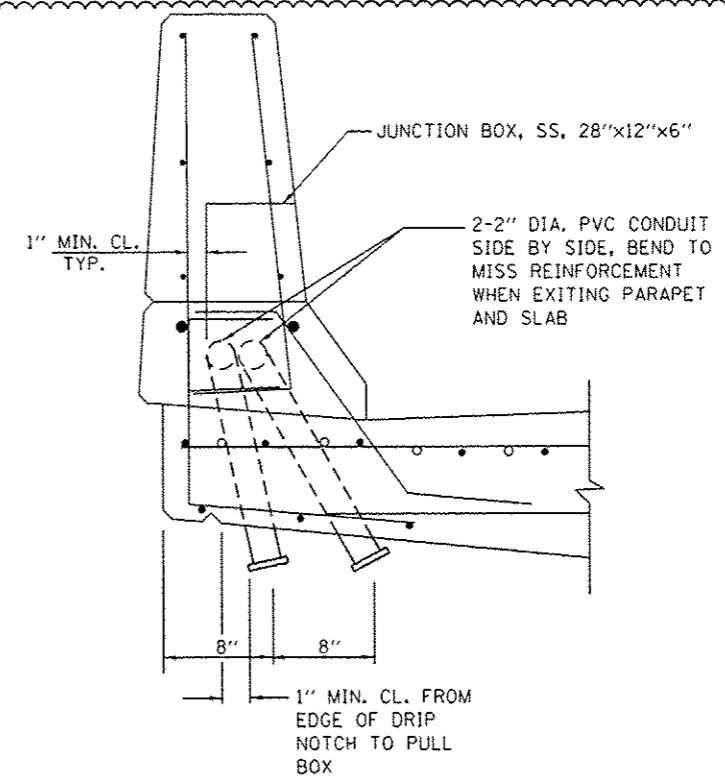
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CONTRACT NO. 60W28				
ILLINOIS FED. AID PROJECT				



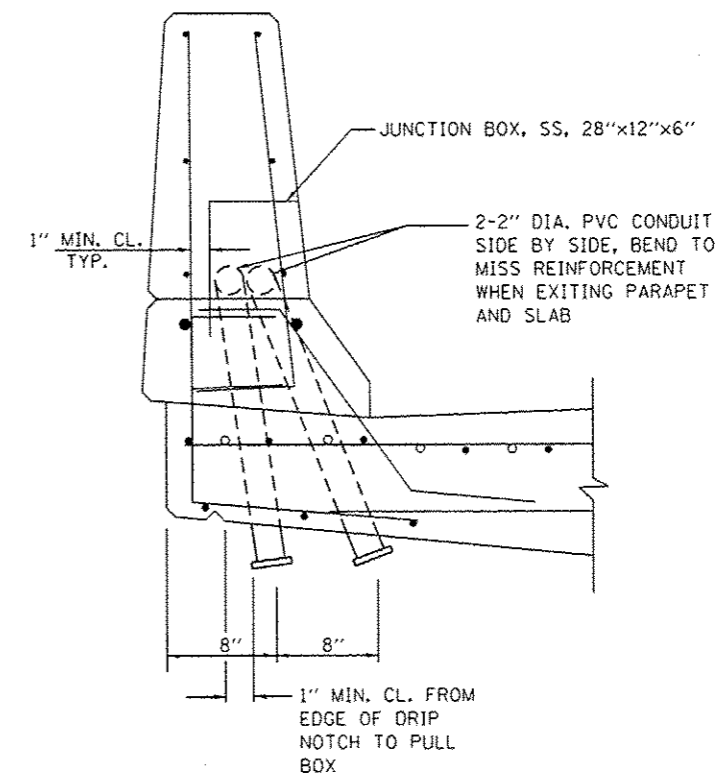
EXPANSION/DEFLECTION CONDUIT COUPLING DETAIL
NOTES 1 AND 6

NOTES:

1. THE CONTRACTOR SHALL INSTALL A CONDUIT EXPANSION/DEFLECTION COUPLING AT THE JOINT LOCATIONS IN THE CONCRETE PARAPET ON THE BRIDGE CAPABLE OF ACCEPTING THE LONGITUDINAL MOVEMENT. ALL METALLIC PARTS OF THE COUPLING SHALL BE MADE OF STAINLESS STEEL OR AS APPROVED BY THE ENGINEER. ANY NON-STAINLESS METAL SHALL BE HOT DIP GALVANIZED AND COATED TO PREVENT REACTION WITH THE CONCRETE. THE COST OF THE COUPLING SHALL BE PART OF AND INCIDENTAL TO THE CONDUIT SYSTEM.
2. THE BARREL IN THE EXPANSION FITTING SHALL BE IN THE CONCRETE ON ONE SIDE OF THE EXPANSION JOINT. ONE HALF THE LENGTH OF THE DEFLECTION FITTING SHALL BE EMBEDDED IN THE CONCRETE ON THE OTHER SIDE OF THE COUPLING.
3. A CAVITY OPENING 3" LARGER IN DIAMETER THAN THE DEFLECTION FITTING SHALL BE PROVIDED IN THE CONCRETE TO ENSURE PROPER PERFORMANCE OF THE COUPLING.
4. CAREFUL ATTENTION TO JOINT MOVEMENT OVER A RANGE OF TEMPERATURES SHALL BE COORDINATED WITH THE SELECTION AND INSTALLATION OF THE COUPLING TO ENSURE THE RANGE OF MOVEMENT OF THE COUPLING IS NOT EXCEEDED AT TEMPERATURE EXTREMES.
5. ALL MANUFACTURER'S INSTALLATION INSTRUCTIONS SHALL BE CAREFULLY FOLLOWED TO ENSURE OPTIMUM PERFORMANCE OF THE EXPANSION/DEFLECTION COUPLING.
6. THE CONTRACTOR SHALL INSTALL COUPLINGS AT ALL BRIDGE EXPANSION JOINTS AND SHALL BE RESPONSIBLE TO DETERMINE THE PROPER NUMBER OF COUPLINGS REQUIRED. SEE STRUCTURAL DRAWINGS FOR THE EXPANSION JOINT LOCATIONS.
7. WITH THE APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY SUBSTITUTE TWO (2) STAINLESS STEEL JUNCTION BOXES ATTACHED TO THE BACK OF THE WALL AND CONNECTED BY A HIGH GRADE OF FLEXIBLE NON-METALLIC CONDUIT FOR ALL EXPANSION JOINTS. THIS SUBSTITUTION SHALL BE MADE AT NO ADDITIONAL COST TO THE DEPARTMENT.



TRANSITION TO END OF RETAINING WALL(S)



DROP-OUT AT ABUTMENT WALL(S)

A

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PLOT DATE: 5/21/2014	DATE - 04/28/14	REVISED -

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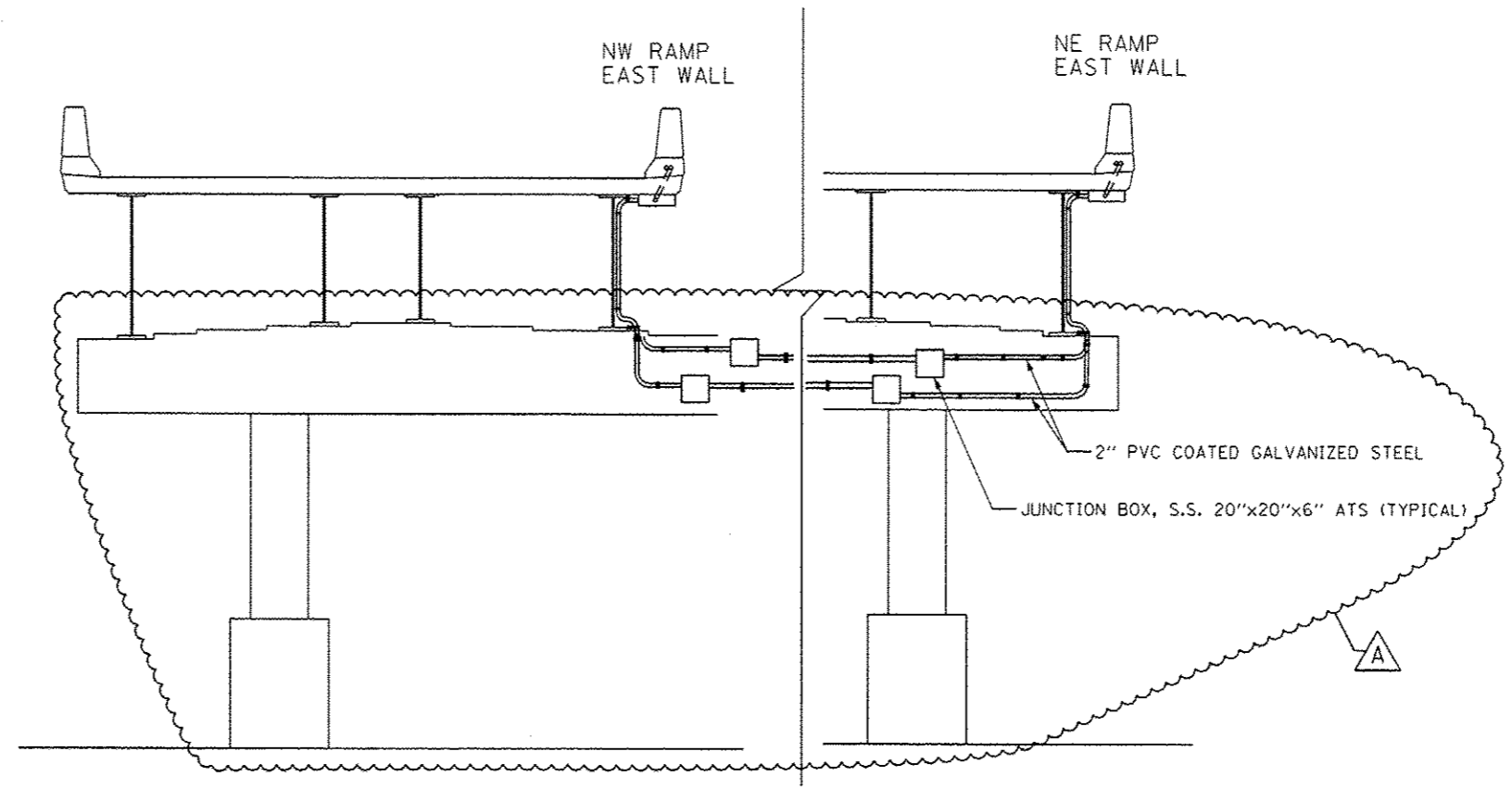
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ITS CONDUIT EXPANSION DETAIL

SCALE: NO SCALE SHEET 9A OF 9 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-010R	COOK	747	316A
CONTRACT NO. 60W28				
ILLINOIS FED. AID PROJECT				

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SOUTH FACE OF PIER 4
STRUCTURE NO. 016-1705

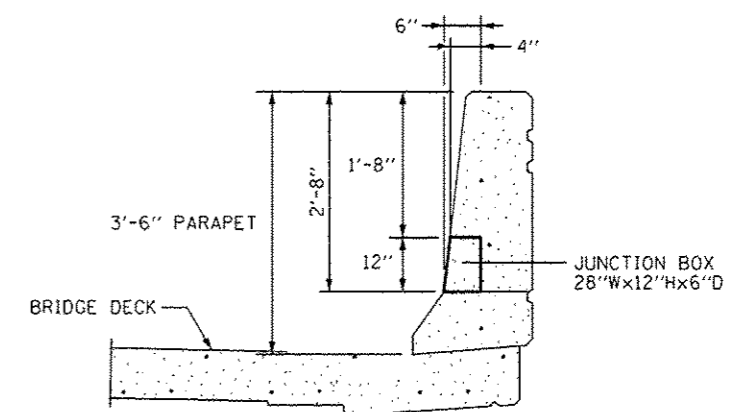
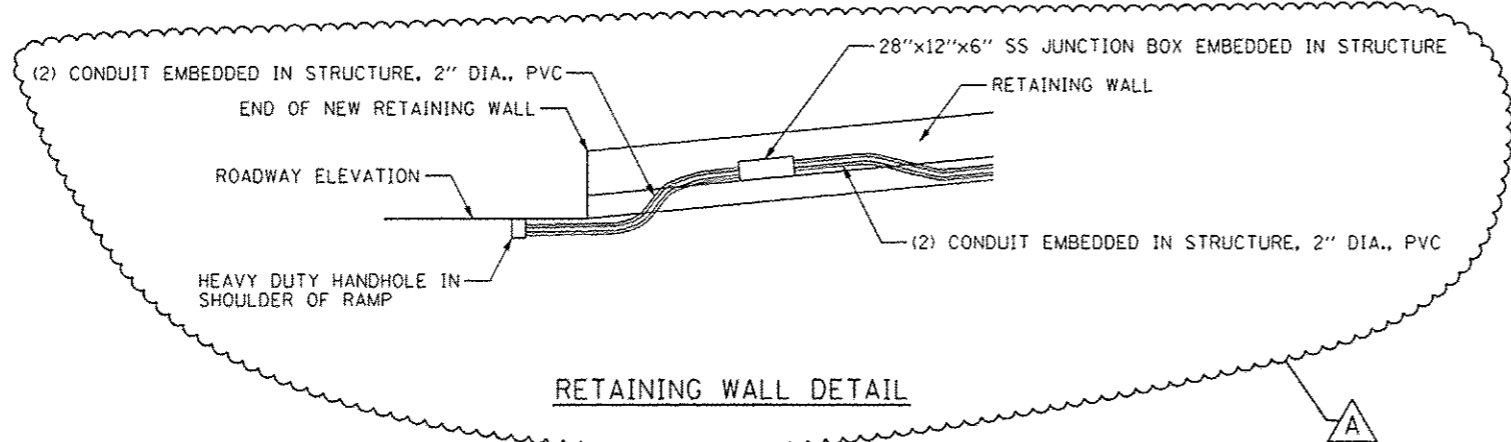


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PLOT DATE : 5/21/2014	DATE - 04/28/14	REVISED -

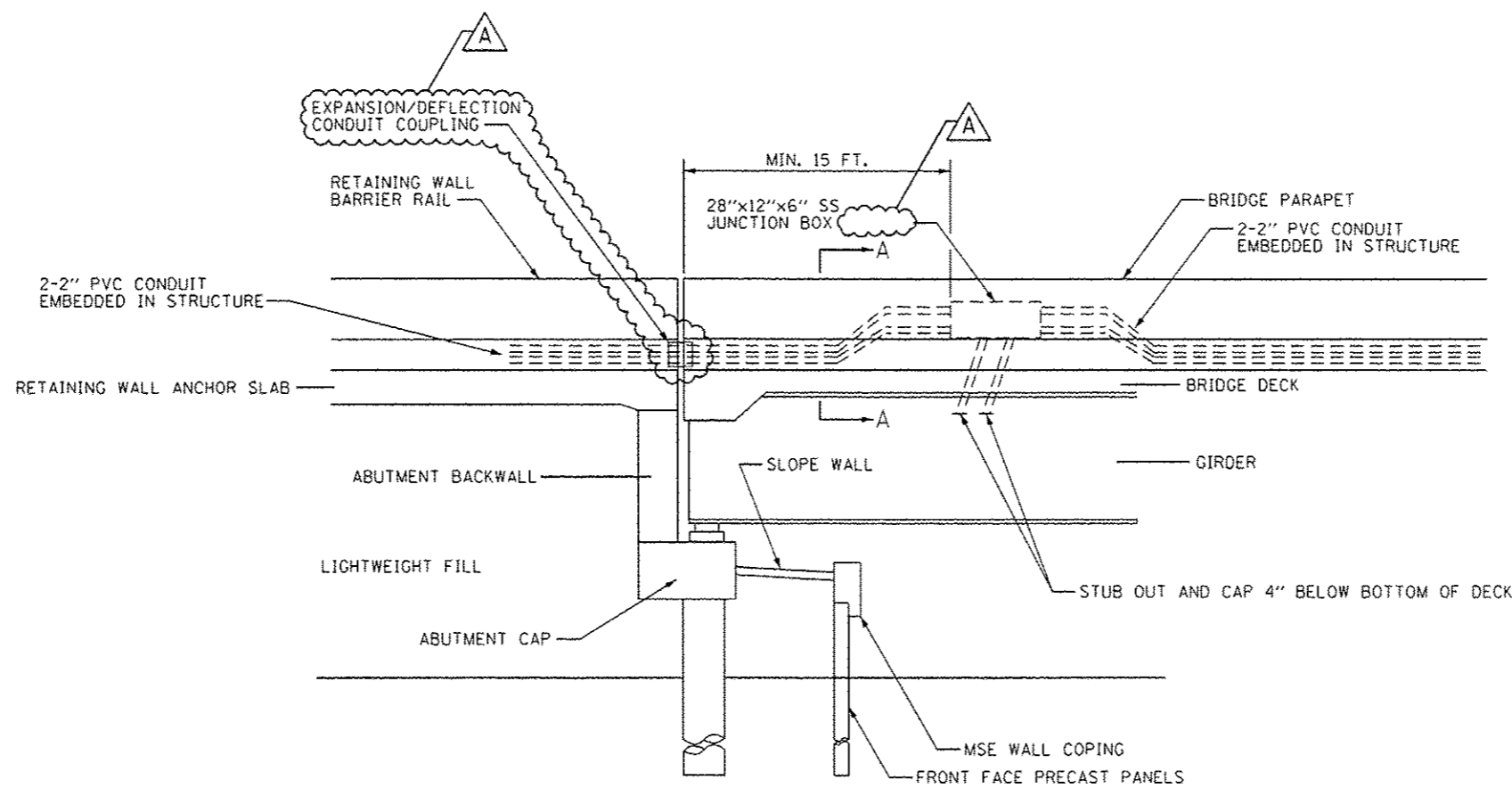
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER TRANSITION DETAIL
SCALE: NO SCALE SHEET 9B OF 9 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-010R	COOK	747	316B
				CONTRACT NO. 60W28
ILLINOIS FED. AID PROJECT				



SECTION A-A



ABUTMENT WALL DETAIL

FILE PATH: C:\Users\jgarcia\Documents\AECOM\Projects\60W28\Roadway\Sheets\60W28_Contract\0160W28-sh-115-89C



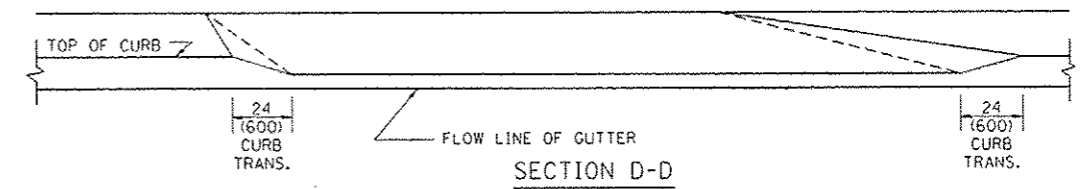
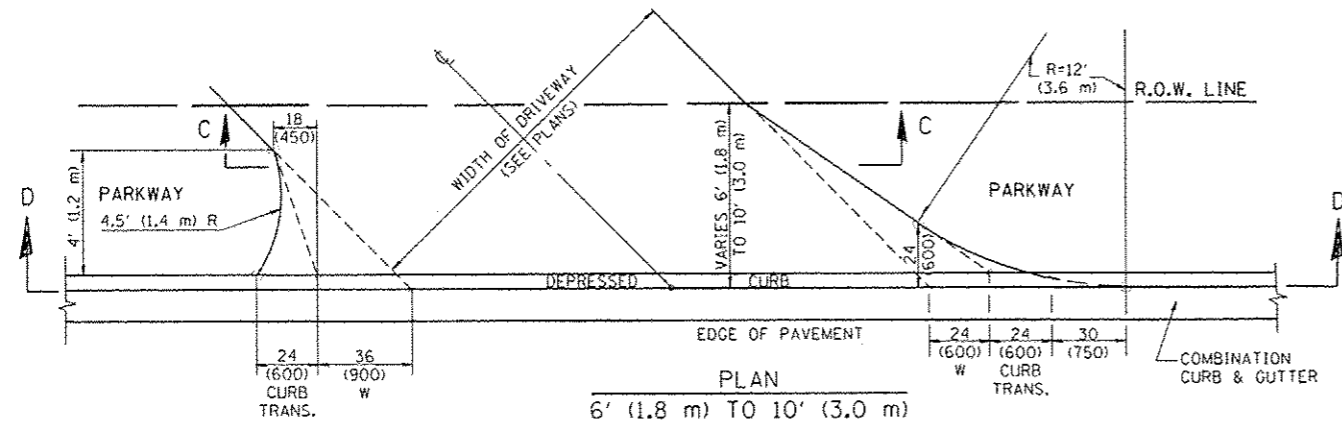
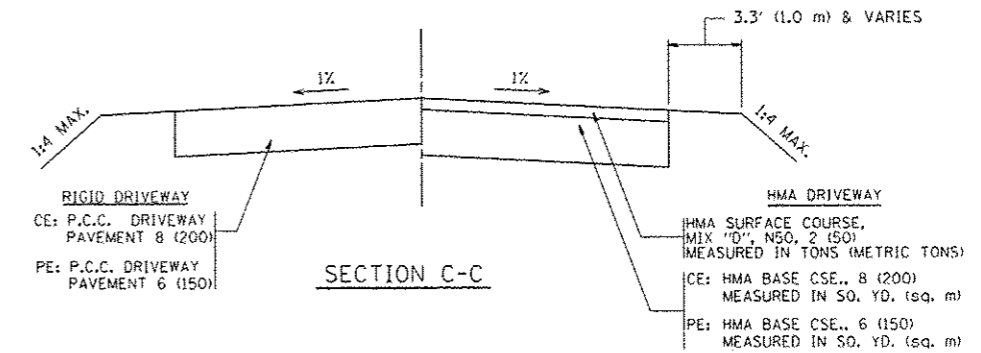
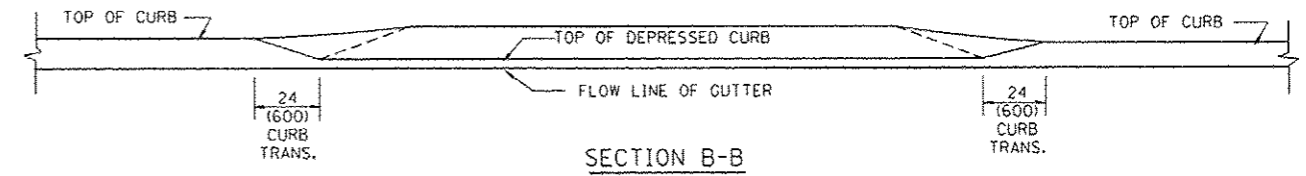
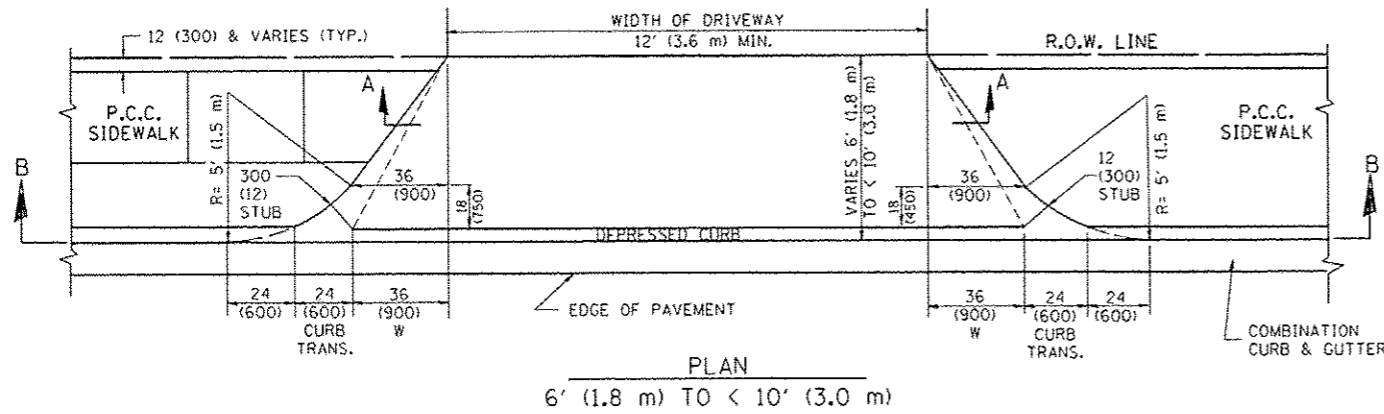
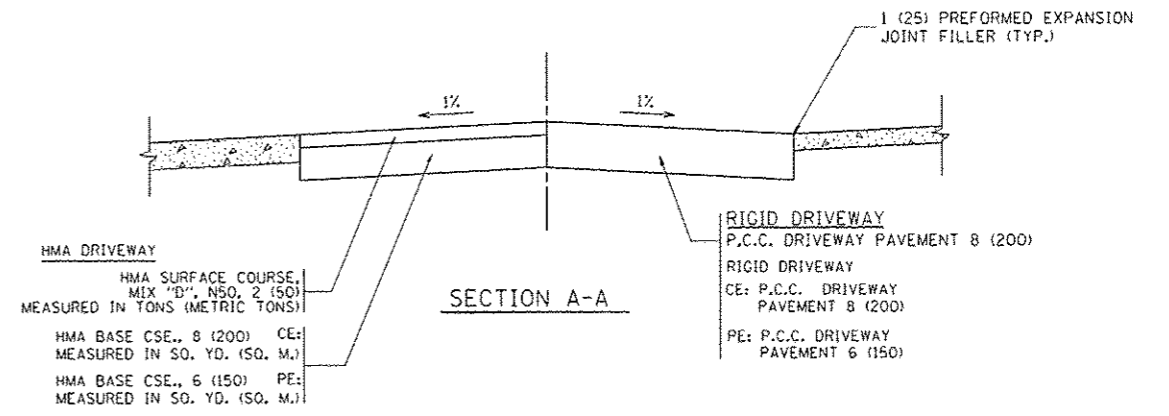
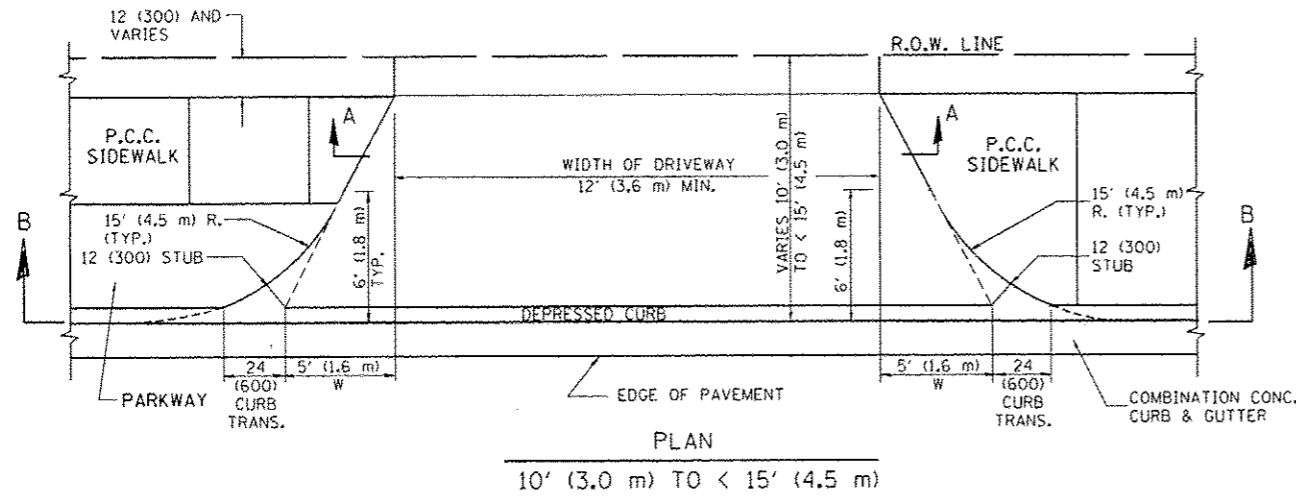
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PLOT SCALE: 1/8" = 1'-0"	CHECKED - JDG	REVISED -
PLOT DATE: 5/21/2014	DATE - 04/28/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ITS DETAILS
ABUTMENT WALL AND RETAINING WALL DETAIL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-010R	COOK	747	316C
CONTRACT NO. 60W28				
ILLINOIS FED. AID PROJECT				

SCALE: NO SCALE SHEET 9C OF 9 SHEETS STA. TO STA.



GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

THE 1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

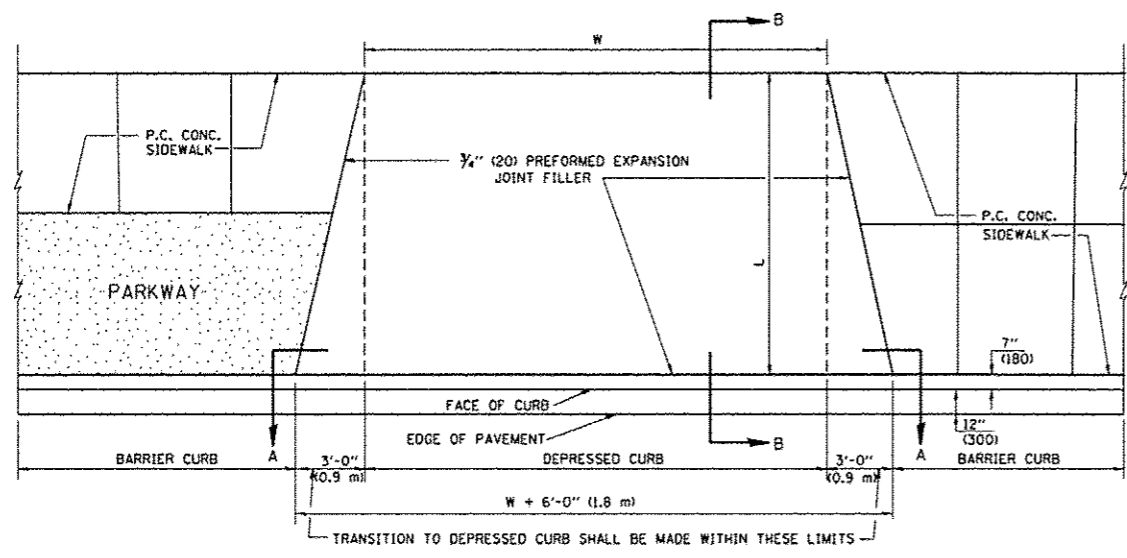
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

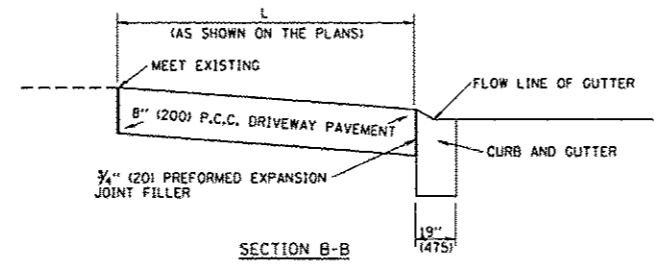
DRIVEWAY DETAILS			
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			747	584C
BD400-02 (BD-02)			CONTRACT NO. 60W28	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

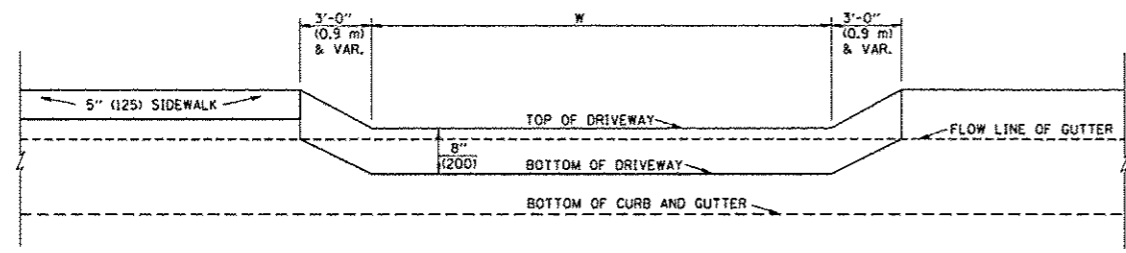


PLAN VIEW

- NOTES:
1. EXPANSION JOINTS SHALL BE CONSTRUCTED AS SHOWN ON THE DETAILS FOR P.C.C. SIDEWALK.
 2. THE CURB BETWEEN ADJACENT DRIVEWAYS SHALL BE FULL HEIGHT FOR A DISTANCE OF AT LEAST FOUR FEET (1.2 METERS).
 3. P.C. CONCRETE DRIVEWAYS SHALL BE CONSTRUCTED AT LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
 4. 3/4" (20) PREFORMED EXPANSION JOINTS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO P.C.C. DRIVEWAY PAVEMENT 8" (200).
 5. COMBINATION CONC. CURB AND GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE TRANSITION CURB AND GUTTER.

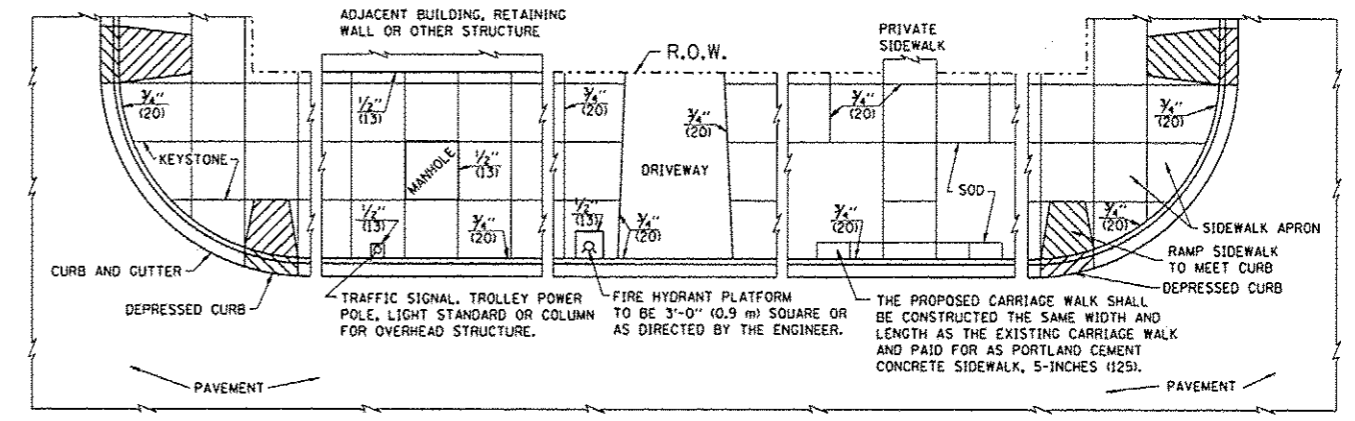


SECTION B-B



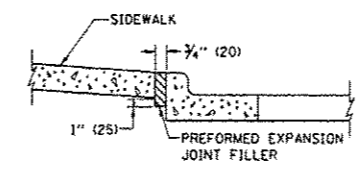
SECTION A-A

P.C.C. DRIVEWAY PAVEMENT DETAIL



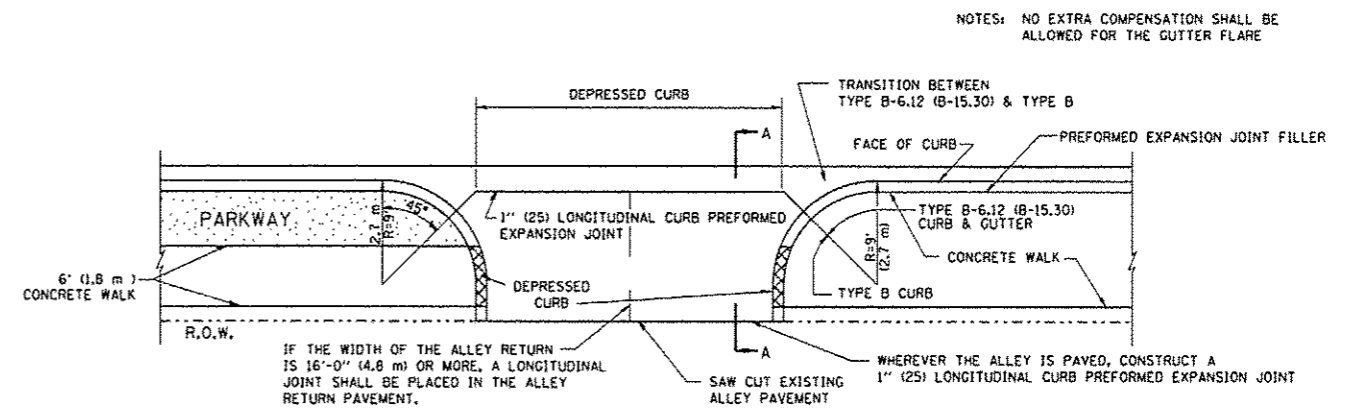
NOTES:

1. ONE-HALF INCH THICK EXPANSION JOINTS SHALL BE PLACED BETWEEN THE SIDEWALK AND ALL STRUCTURES SUCH AS LIGHT STANDARDS, TRAFFIC LIGHT STANDARDS, MANHOLES, WHICH EXTEND THROUGH THE SIDEWALK.
2. 3/4" (20) THICK EXPANSION JOINTS SHALL BE PLACED AT INTERVALS OF NOT MORE THAN 100 FEET (30 METERS) IN THE SIDEWALK. WHERE THE SIDEWALK IS CONSTRUCTED ADJACENT TO PAVEMENT OR CURB HAVING EXPANSION JOINTS, THE EXPANSION JOINTS IN THE SIDEWALK SHALL BE PLACED OPPOSITE THE EXISTING EXPANSION JOINTS AS NEARLY AS PRACTICABLE. EXPANSION JOINTS SHALL ALSO BE PLACED WHERE THE SIDEWALK ABUTS EXISTING SIDEWALKS, BETWEEN DRIVEWAY PAVEMENT AND SIDEWALK, AND BETWEEN SIDEWALK AND CURBS WHERE THE SIDEWALK ABUTS A CURB.



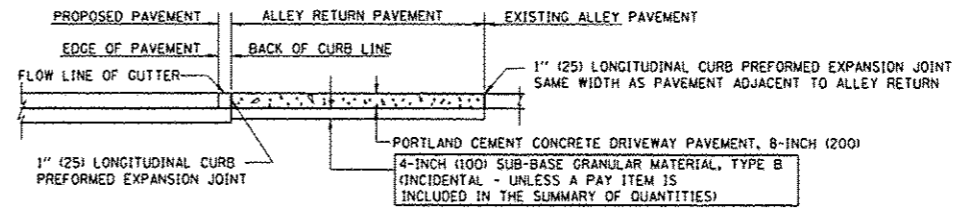
SLOPE FOR SIDEWALK
1" (25) IN 3'-0" (0.9 m) IN CHICAGO

PORTLAND CEMENT CONCRETE SIDEWALK DETAILS



IF THE WIDTH OF THE ALLEY RETURN IS 16'-0" (4.8 m) OR MORE, A LONGITUDINAL JOINT SHALL BE PLACED IN THE ALLEY RETURN PAVEMENT.

WHEREVER THE ALLEY IS PAVED, CONSTRUCT A 1" (25) LONGITUDINAL CURB PREFORMED EXPANSION JOINT



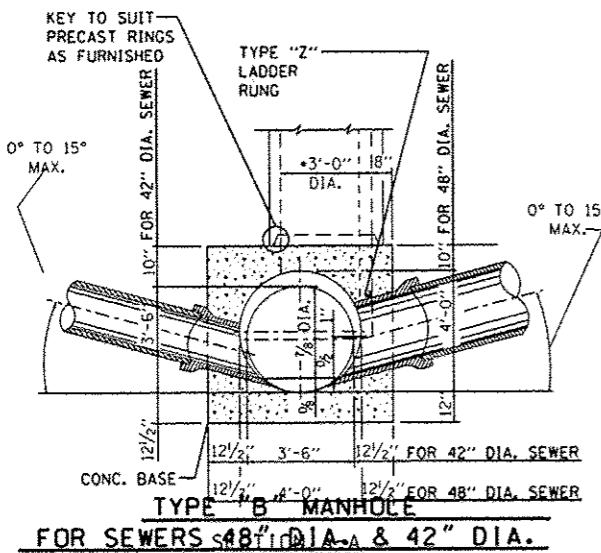
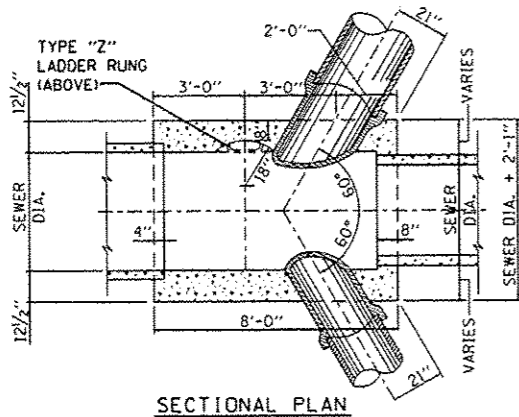
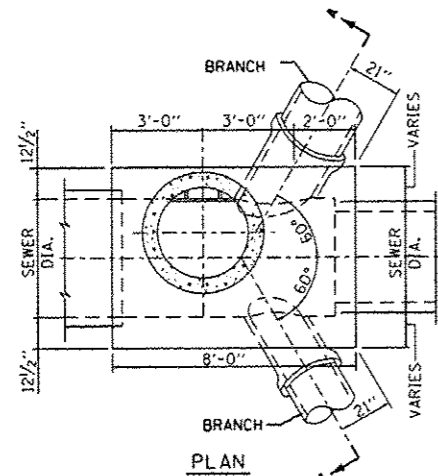
SECTION A-A

ALLEY RETURN DETAIL

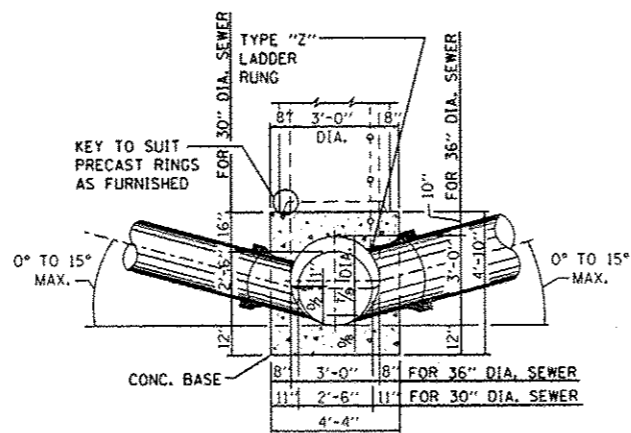
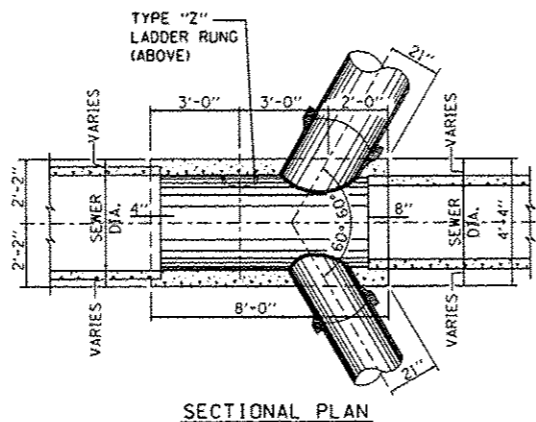
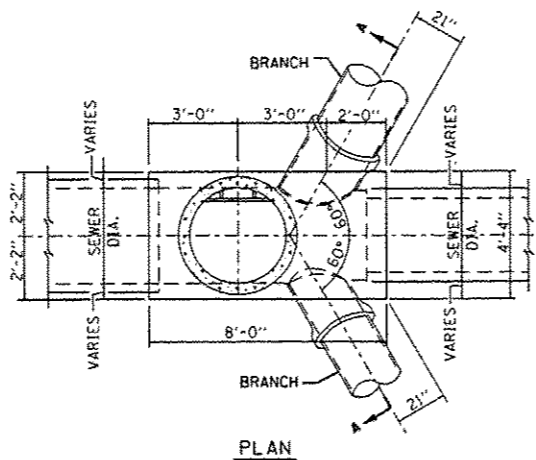
NOTES: NO EXTRA COMPENSATION SHALL BE ALLOWED FOR THE GUTTER FLARE

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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		DRAWN -	REVISED -		DETAILS FOR P.C. CONCRETE DRIVEWAY, ALLEY RETURN AND SIDEWALK						747	586A	
		CHECKED -	REVISED -		SCALE: NONE			SHEET NO. 1	OF 1	SHEETS	STA.	TO STA.	CONTRACT NO. 60W28
		DATE -	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT								

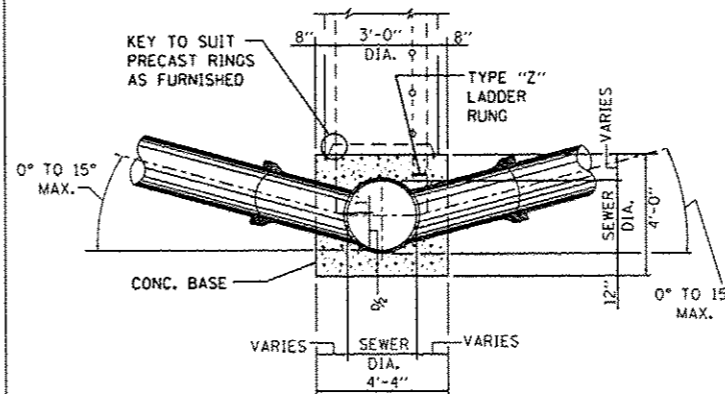
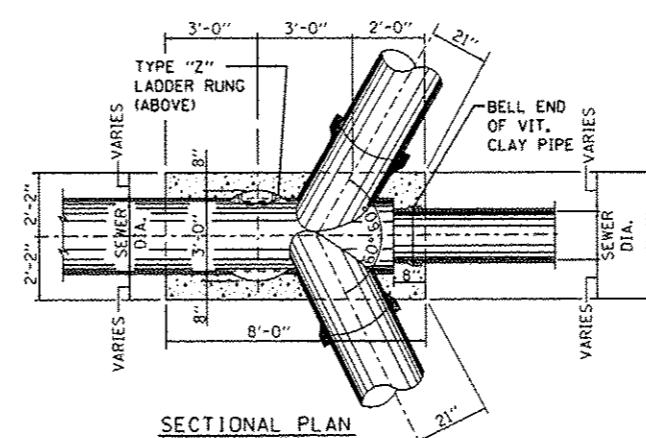
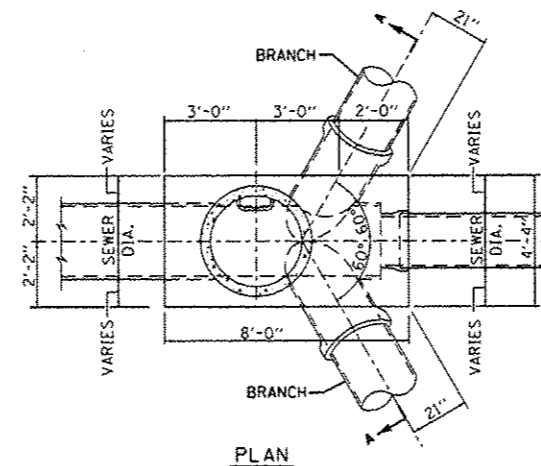


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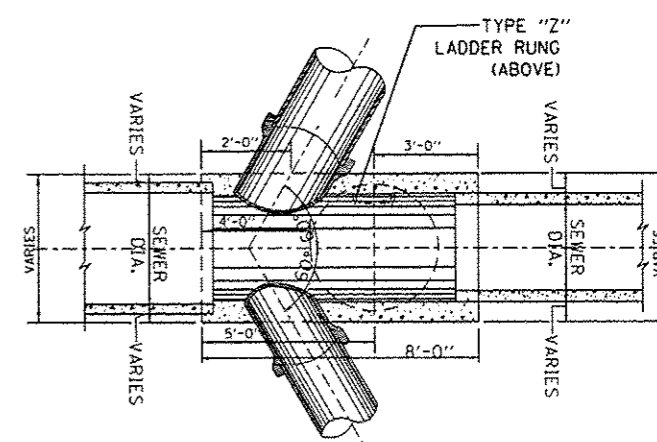
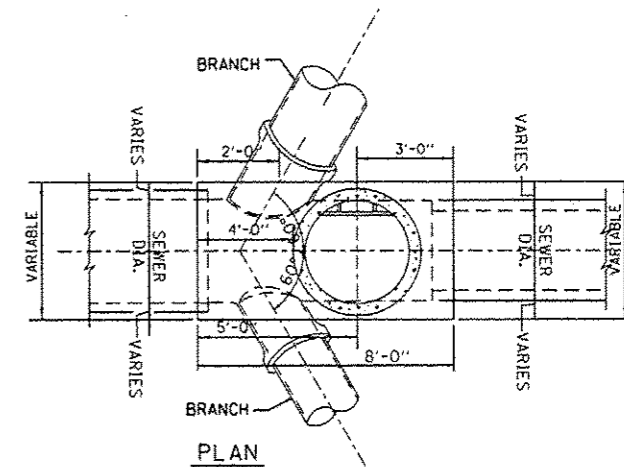
SECTION A-A
TYPE "B" MANHOLE
FOR SEWERS 36" DIA. & 30" DIA.

Not To Scale



SECTION A-A
TYPE "B" MANHOLE
FOR SEWERS 24" DIA. & SMALLER

Not To Scale



SECTIONAL PLAN
TYPICAL REVERSE TYPE "B" MANHOLE

Not To Scale

- NOTES:
1. CONTRACTOR MUST SUBMIT SHOP DRAWINGS OF ALL PROPOSED MANHOLE CONFIGURATIONS FOR APPROVAL PRIOR TO SUBMISSION OF MATERIAL ORDERS.
 2. CONNECTION BELLS MAY BE INSTALLED AT MANUFACTURER'S SITE, OR MORTARED IN PLACE IN THE FIELD. SEE SHEET A.10A FOR FURTHER CONFIGURATION DETAILS.
 3. BASES MUST BE PRECAST WITH THE CORRECT NUMBER OF PIPE OPENINGS, CORRESPONDING TO THE REPRESENTATION IN THE PLAN AND PROFILE SHEETS.
 4. PATCHING, BRICKING, OR OTHER MATERIAL METHODS OF CLOSING UNUSED HOLES WILL NOT BE ACCEPTED.

STANDARD REVISIONS	
DATE	DESCRIPTION
1/22/14	APPROVED PLAN

PERCENT COMPLETE	DATE
30	
60	
75	
90	
100	

CITY OF CHICAGO DEPARTMENT OF WATER MANAGEMENT BUREAU OF ENGINEERING SERVICES	
TYPE "B" MANHOLE	

DESIGNED: [Signature]	DRG. NO. A.9
CHECKED: [Signature]	OF []
REVIEWED: [Signature]	PN []



USER NAME: []
PLOT SCALE: 1/8" = 1'-0"
FILED DATE: 5/24/2014

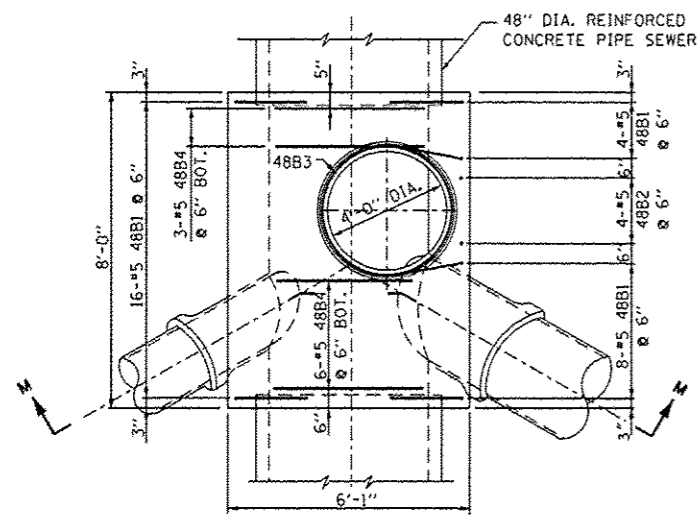
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

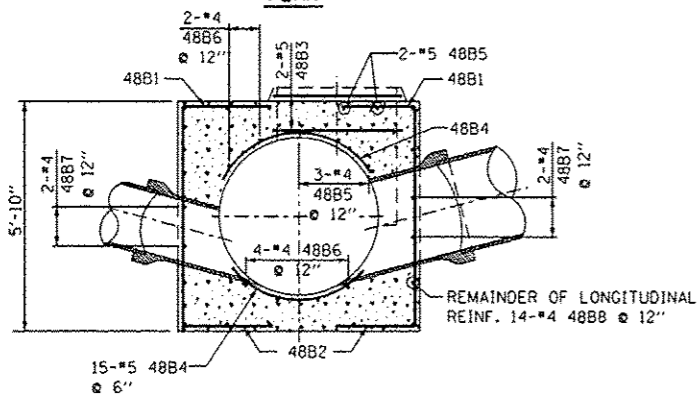
CHICAGO DEPARTMENT OF WATER MANAGEMENT
STANDARD DETAILS

SCALE: NTS SHEET 5A OF 8 SHEETS STA. TO STA.

F.A.I. RTE. 90/94/290	SECTION 2013-010R	COUNTY COOK	TOTAL SHEETS 747	SHEET NO. 641A
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60W28	

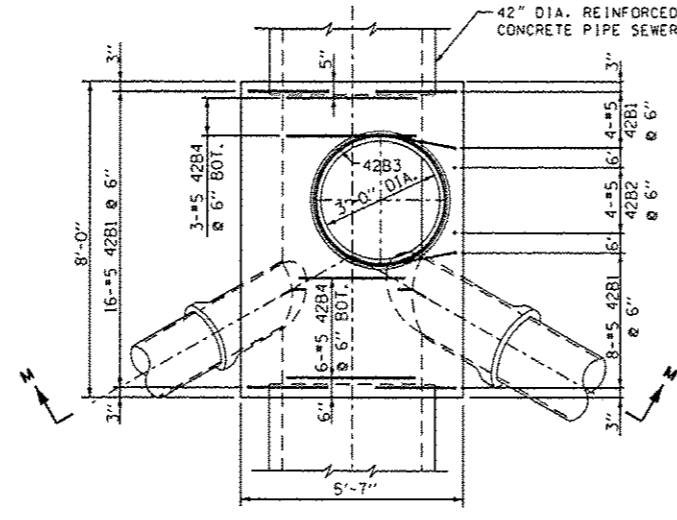


PLAN

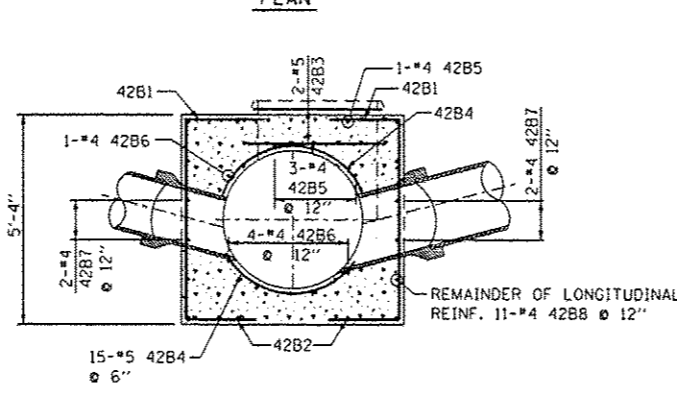


SECTION M-M

48" DIA. SEWER

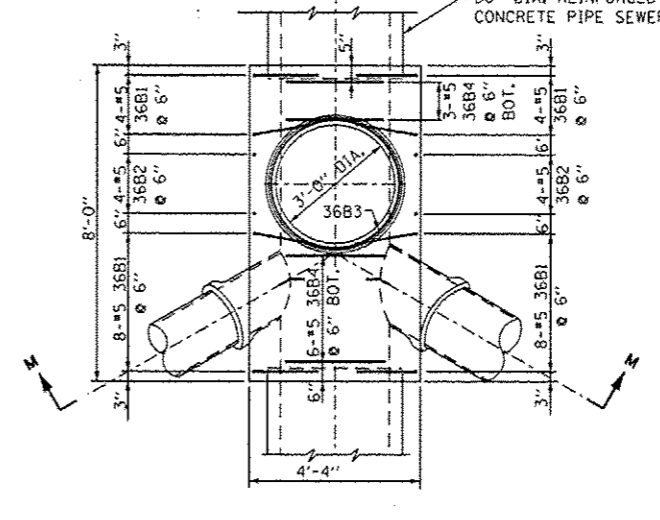


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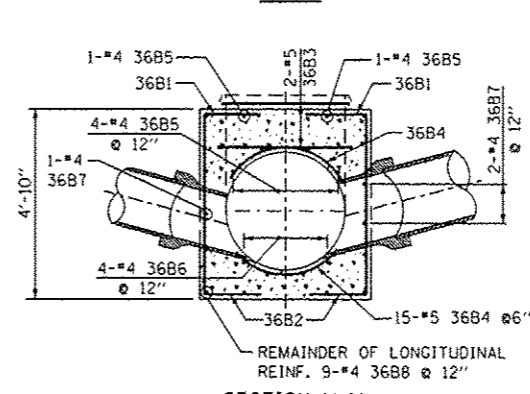


SECTION M-M

42" DIA. SEWER

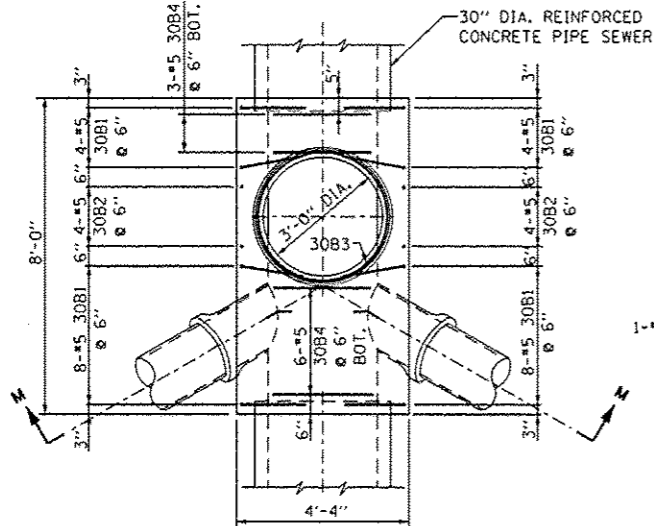


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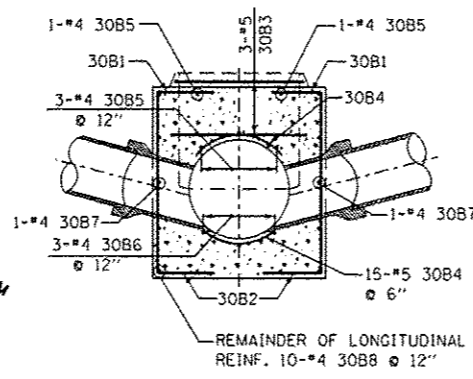


SECTION M-M

36" DIA. SEWER

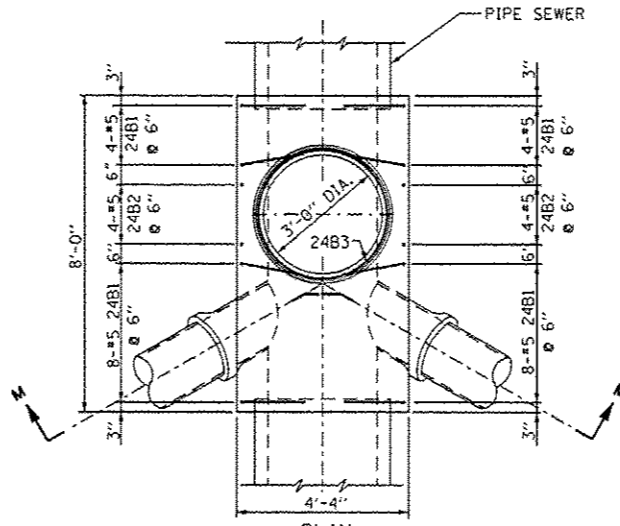


PLAN

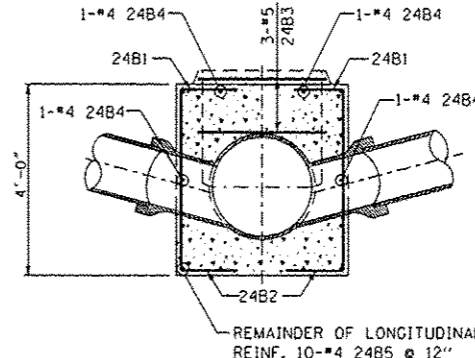


SECTION M-M

30" DIA. SEWER



PLAN



SECTION M-M

24" DIA. SEWERS & SMALLER

- NOTES:
- CONTRACTOR MUST SUBMIT SHOP DRAWINGS OF ALL PROPOSED MANHOLE CONFIGURATIONS FOR APPROVAL PRIOR TO SUBMISSION OF MATERIAL ORDERS.
 - CONNECTION BELLS MAY BE INSTALLED AT MANUFACTURER'S SITE, OR MORTARED IN PLACE IN THE FIELD. SEE SHEET A.10A FOR FURTHER CONFIGURATION DETAILS.
 - BASES MUST BE PRECAST WITH THE CORRECT NUMBER OF PIPE OPENINGS, CORRESPONDING TO THE REPRESENTATION IN THE PLAN AND PROFILE SHEETS.
 - PATCHING, BRICKING, OR OTHER MATERIAL METHODS OF CLOSING UNUSED HOLES WILL NOT BE ACCEPTED.

STANDARD REVISIONS	
DATE	DESCRIPTION
1/22/14	revision

PERCENT COMPLETE	DATE
30	
60	
75	
90	
100	

CITY OF CHICAGO DEPARTMENT OF WATER MANAGEMENT BUREAU OF ENGINEERING SERVICES		DESIGNED CHECKED REVIEWED	A.10 OF PN
REINFORCEMENT FOR TYPE "B" MANHOLE BASES			



USER NAME: schmarck10
PLOT SCALE: 1/8" = 1'-0"
PLOT DATE: 5/24/2014

DESIGNED -
DRAWN -
CHECKED -
DATE - 04/28/14

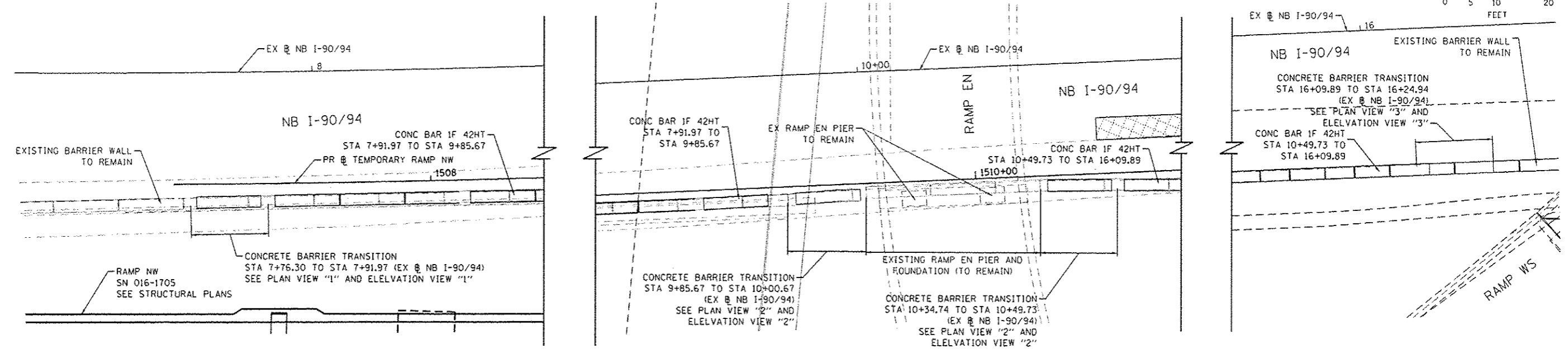
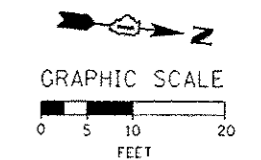
REVISED - 5/27/2014
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO DEPARTMENT OF WATER MANAGEMENT
STANDARD DETAILS

F.A.I. RTE. 90/94/290	SECTION 2013-010R	COUNTY COOK	TOTAL SHEETS 747	SHEET NO. 641B
CONTRACT NO. 60W28				
ILLINOIS FED. AID PROJECT				

SCALE: NTS SHEET 5B OF 8 SHEETS STA. TO STA.

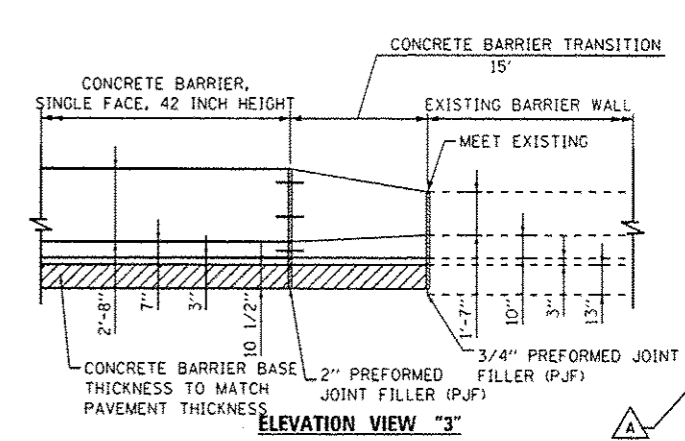
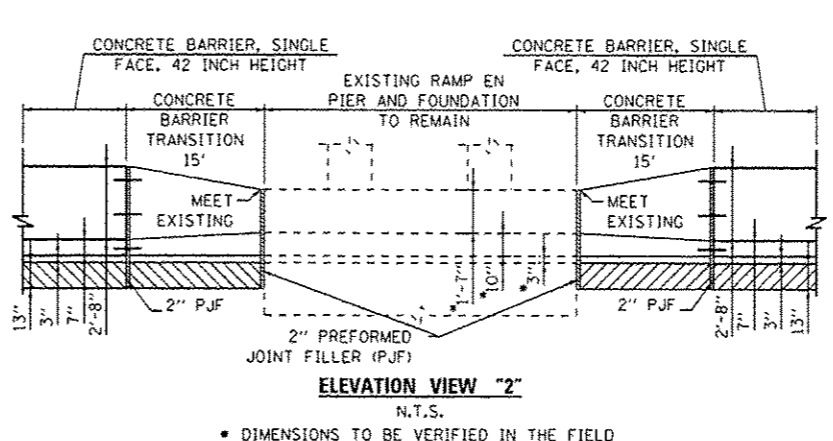
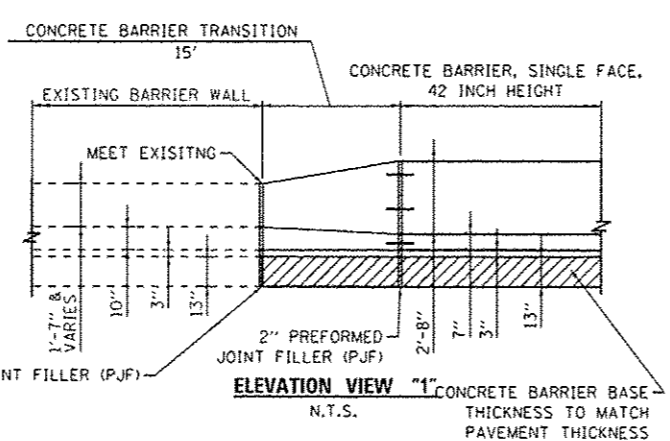
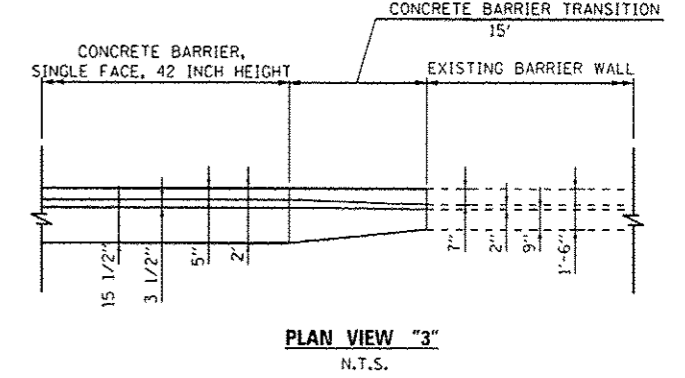
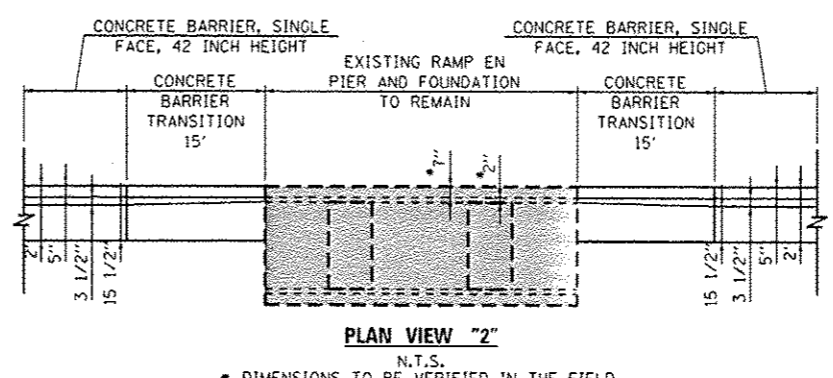
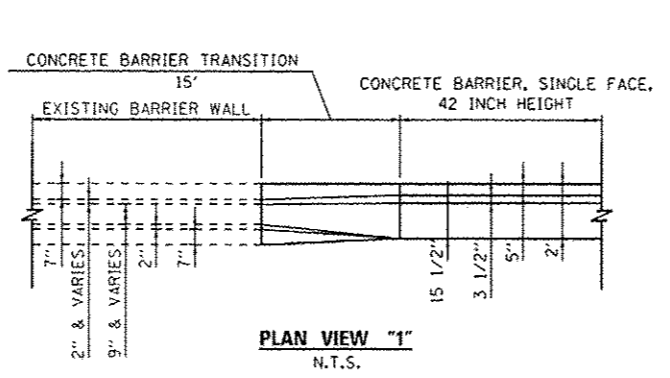


**CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT
AT NB I-90/94**

**CONCRETE BARRIER TRANSITION
AT EXISTING EN PIERS**

**CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT
AT NB I-90/94**

- NOTES:**
- EXPANSION JOINTS SHOWN ON THIS DRAWING SHALL BE PERFORMED JOINT MATERIAL (BITUMINOUS TYPE) FILLER AND SHALL MEET AASHTO DESIGNATION M-33.
 - ALL WORK AND MATERIALS DETAILED HEREIN SHALL BE INCLUDED IN THE COST OF THE VARIOUS CONCRETE BARRIER PAY ITEMS UNLESS OTHERWISE NOTED.
 - PREFORMED JOINT FILLER SHALL BE INCLUDED IN THE COST OF CONCRETE BARRIER OR CONCRETE BARRIER TRANSITION.
 - JOINTS SHALL BE CONSTRUCTED AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH ARTICLE 637.08 OF THE STANDARD SPECIFICATIONS
 - TWO VERTICAL EPOXY COATED, NO. 8 TIE BARS, 10" LONG, SHALL BE PLACED STAGGERED FRONT TO BACK OF THE BARRIER WALL AT 48" CENTERS ALONG THE CONCRETE BARRIER TRANSITION. TIE BARS SHALL BE INCLUDED IN THE COST OF CONCRETE BARRIER TRANSITION.
 - HORIZONTAL TIE BARS SHALL BE NO. 6 EPOXY COATED, 24" LONG, 24" C-C AND SHALL BE INCLUDED IN THE COST OF THE BARRIER BASE. HORIZONTAL TIE BARS ARE REQUIRED WHEN PAVEMENT IS PCC.
 - EXPANSION JOINTS SHALL BE CONSTRUCTED IN BARRIER WALL AT MAXIMUM JOINT SPACING OF 90 FEET AND AS SHOWN ON THE PLANS.
 - VERTICAL TIE BARS ARE REQUIRED WHEN CONCRETE BARRIER AND CONCRETE BARRIER BASE ARE NOT POURED MONOLITHICALLY.



DESIGNED - GPS	REVISD - 5/27/2014
DRAWN - NSA	REVISD -
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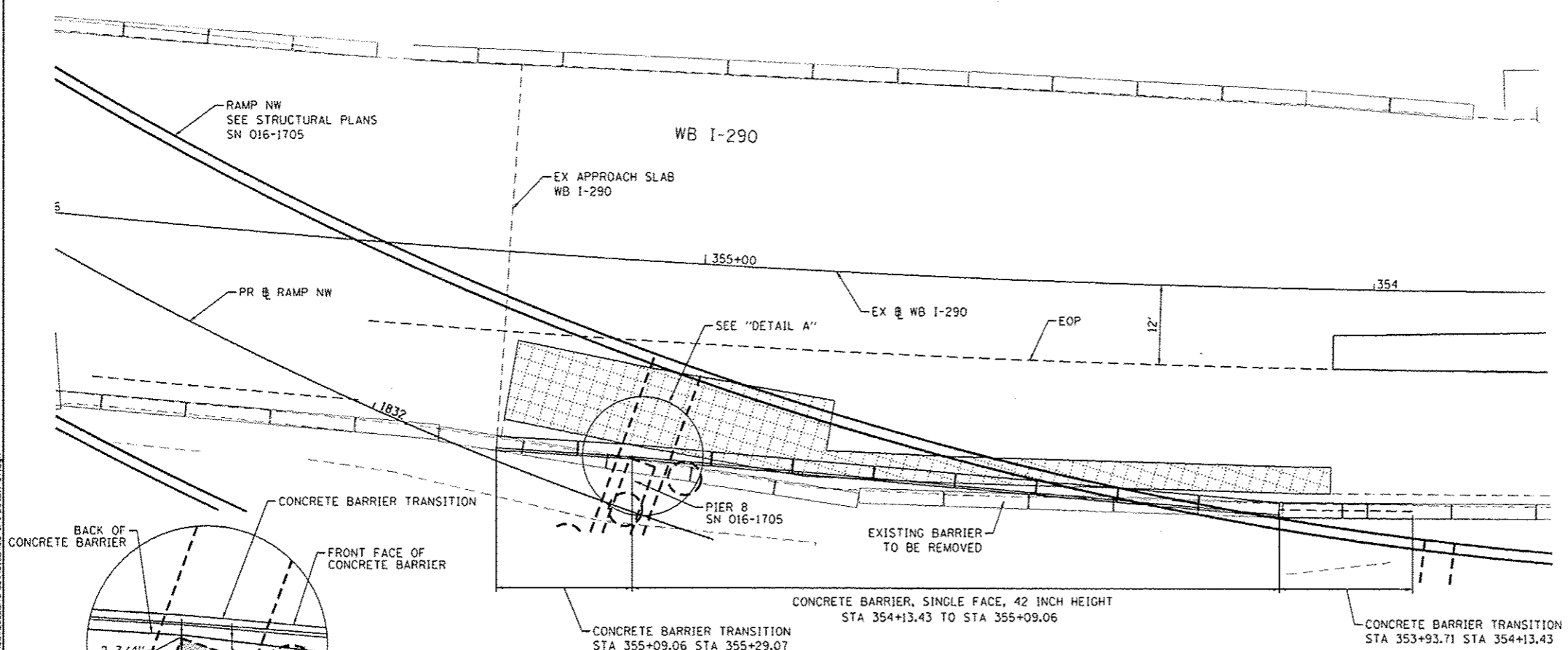
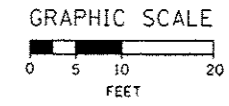
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

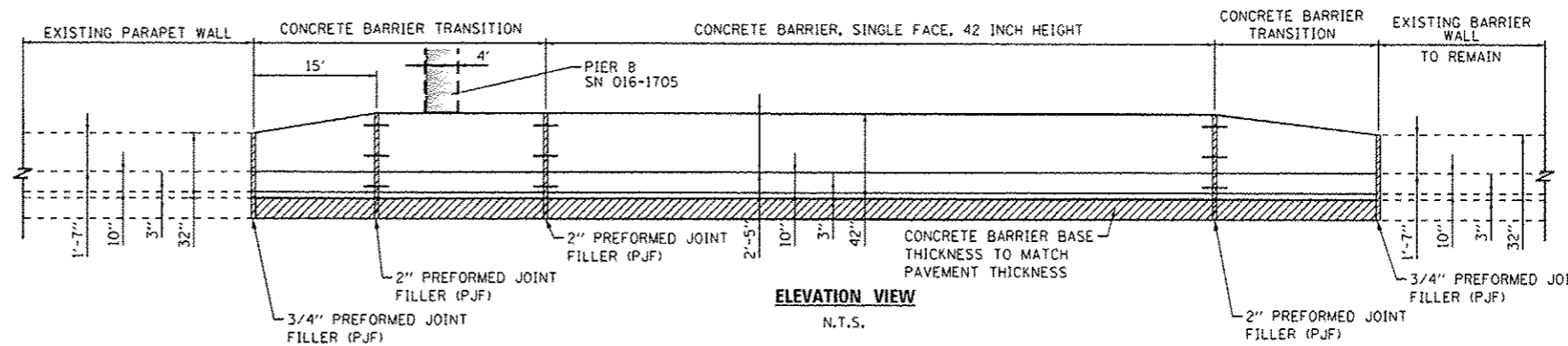
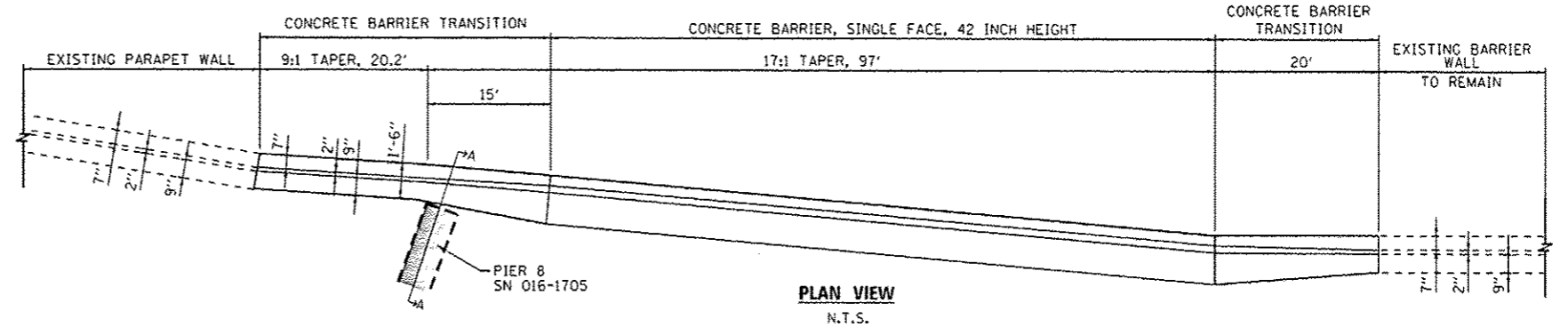
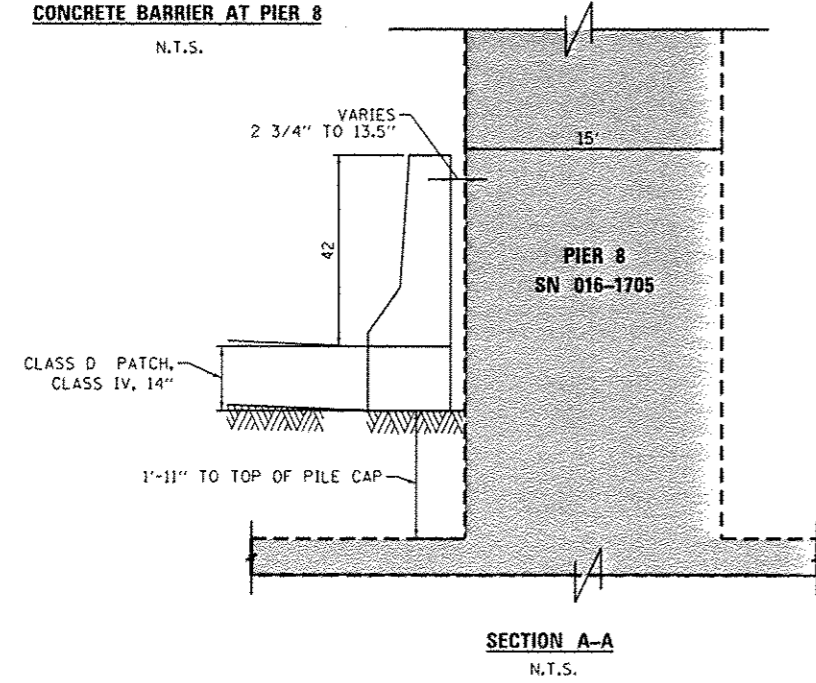
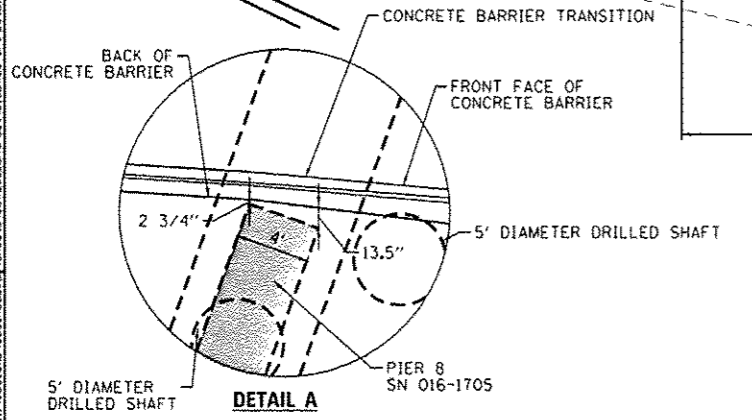
**ROADWAY DETAILS - CONCRETE BARRIER
AT EXISTING RAMP EN PIERS AND NB I-90/94**

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

F.A.I. RTE. 90/94/290	SECTION 2013-010R	COUNTY COOK	TOTAL SHEETS 747	SHEET NO. 644J
CONTRACT NO. 60W28			ILLINOIS FED. AID PROJECT	



- NOTES:**
1. EXPANSION JOINTS SHOWN ON THIS DRAWING SHALL BE PERFORMED JOINT MATERIAL (BITUMINOUS TYPE) FILLER AND SHALL MEET AASHTO DESIGNATION M-33.
 2. ALL WORK AND MATERIALS DETAILED HEREIN SHALL BE INCLUDED IN THE COST OF THE VARIOUS CONCRETE BARRIER PAY ITEMS UNLESS OTHERWISE NOTED.
 3. PREFORMED JOINT FILLER SHALL BE INCLUDED IN THE COST OF OF CONCRETE BARRIER OR CONCRETE BARRIER TRANSITION.
 4. JOINTS SHALL BE CONSTRUCTED AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH ARTICLE 637.08 OF THE STANDARD SPECIFICATIONS
 5. TWO VERTICAL EPOXY COATED, NO. 8 TIE BARS, 10" LONG, SHALL BE PLACED STAGGERED FRONT TO BACK OF THE BARRIER WALL AT 48" CENTERS ALONG THE CONCRETE BARRIER TRANSITION. TIE BARS SHALL BE INCLUDED IN THE COST OF CONCRETE BARRIER TRANSITION.
 6. HORIZONTAL TIE BARS SHALL BE NO. 6 EPOXY COATED, 24" LONG, 24" C-C AND SHALL BE INCLUDED IN THE COST OF THE BARRIER BASE. HORIZONTAL TIE BARS ARE REQUIRED WHEN PAVEMENT IS PCC.
 7. EXPANSION JOINTS SHALL BE CONSTRUCTED IN BARRIER WALL AT MAXIMUM JOINT SPACING OF 90 FEET AND AS SHOWN ON THE PLANS.
 8. VERTICAL TIE BARS ARE REQUIRED WHEN CONCRETE BARRIER AND CONCRETE BARRIER BASE ARE NOT POURED MONOLITHICALLY.



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PLDT DATE: 5/27/2014

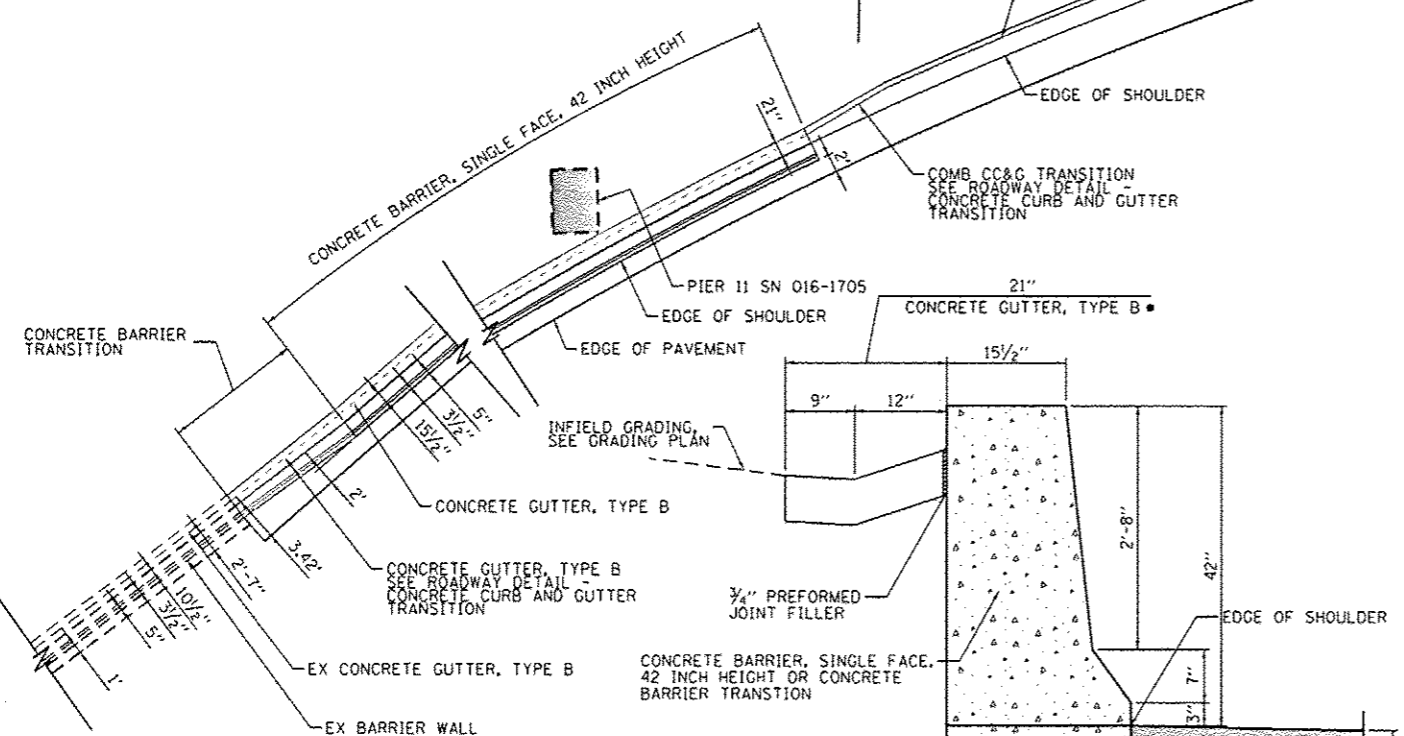
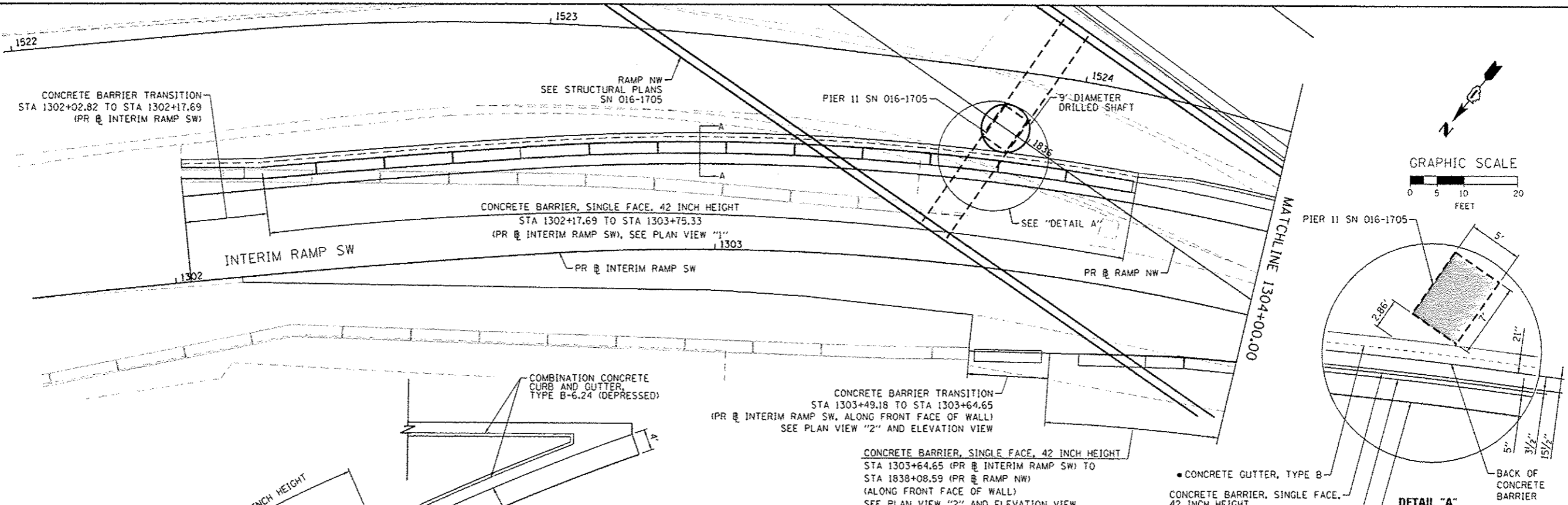
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DRAWN - NSA	REVISED -
CHECKED - DBM	REVISED -
DATE - 04/28/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY DETAILS - CONCRETE BARRIER AT PIER 8

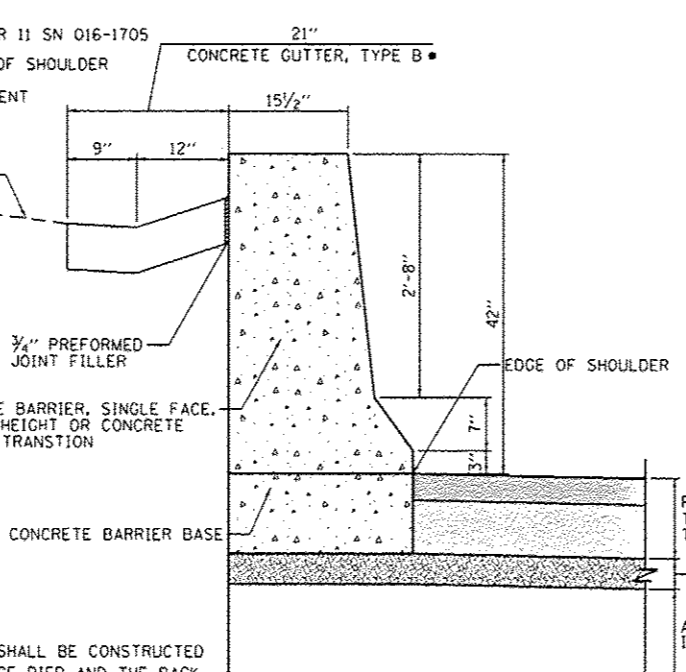
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F.A.I. RTE.: 90/94/290	SECTION: 2013-010R	COUNTY: COOK	TOTAL SHEETS: 747	SHEET NO.: 644K
CONTRACT NO. 60W28				ILLINOIS FED. AID PROJECT



PLAN VIEW "1"
N.T.S.

• THE CONCRETE GUTTER, TYPE B SHALL BE CONSTRUCTED BETWEEN THE FACE OF THE BRIDGE PIER AND THE BACK OF THE CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT, 3/4" PREFORMED JOINT FILLER SHALL BE USED AS SHOWN IN DETAIL.



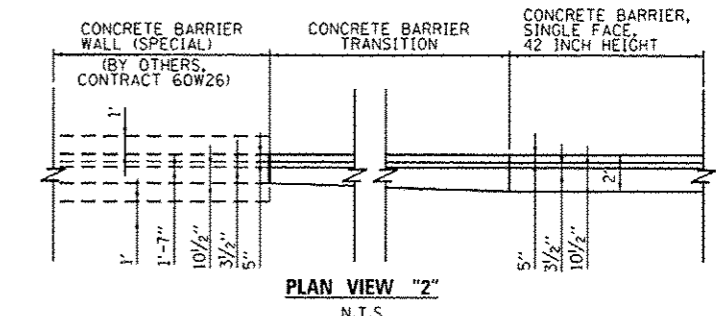
SECTION A-A
SCALE: NONE

CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT WITH CONCRETE GUTTER, TYPE B

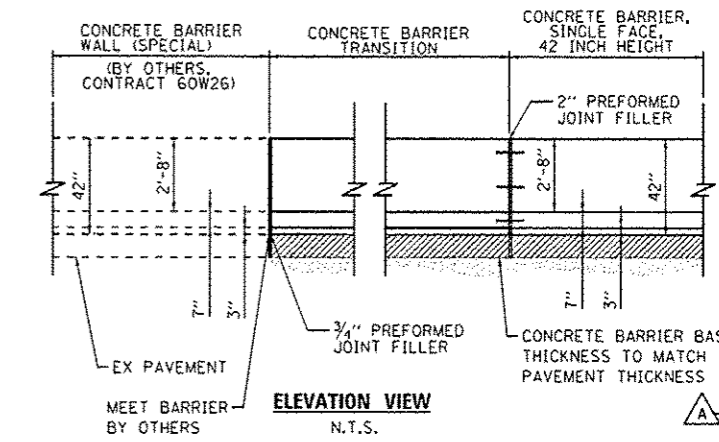
CONCRETE BARRIER TRANSITION STA 1303+49.18 TO STA 1303+64.65 (PR @ INTERIM RAMP SW, ALONG FRONT FACE OF WALL) SEE PLAN VIEW "2" AND ELEVATION VIEW

CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT STA 1303+64.65 (PR @ INTERIM RAMP SW) TO STA 1838+08.59 (PR @ RAMP NW) (ALONG FRONT FACE OF WALL) SEE PLAN VIEW "2" AND ELEVATION VIEW

- NOTES:**
1. EXPANSION JOINTS SHOWN ON THIS DRAWING SHALL BE PREFORMED JOINT MATERIAL (BITUMINOUS TYPE) FILLER AND SHALL MEET AASHTO DESIGNATION M-33.
 2. ALL WORK AND MATERIALS DETAILED HEREIN SHALL BE INCLUDED IN THE COST OF THE VARIOUS CONCRETE BARRIER PAY ITEMS UNLESS OTHERWISE NOTED.
 3. PREFORMED JOINT FILLER SHALL BE INCLUDED IN THE COST OF OF CONCRETE BARRIER OR CONCRETE BARRIER TRANSITION.
 4. JOINTS SHALL BE CONSTRUCTED AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH ARTICLE 637.08 OF THE STANDARD SPECIFICATIONS
 5. TWO VERTICAL EPOXY COATED, NO. 8 TIE BARS, 10" LONG, SHALL BE PLACED STAGGERED FRONT TO BACK OF THE BARRIER WALL AT 48" CENTERS ALONG THE CONCRETE BARRIER TRANSITION. TIE BARS SHALL BE INCLUDED IN THE COST OF CONCRETE BARRIER TRANSITION.
 6. HORIZONTAL TIE BARS SHALL BE NO. 6 EPOXY COATED, 24" LONG, 24" C-C AND SHALL BE INCLUDED IN THE COST OF THE BARRIER BASE. HORIZONTAL TIE BARS ARE REQUIRED WHEN PAVEMENT IS PCC.
 7. EXPANSION JOINTS SHALL BE CONSTRUCTED IN BARRIER WALL AT MAXIMUM JOINT SPACING OF 90 FEET AND AS SHOWN ON THE PLANS.
 8. VERTICAL TIE BARS ARE REQUIRED WHEN CONCRETE BARRIER AND CONCRETE BARRIER BASE ARE NOT POURED MONOLITHICALLY.



PLAN VIEW "2"
N.T.S.



ELEVATION VIEW
N.T.S.



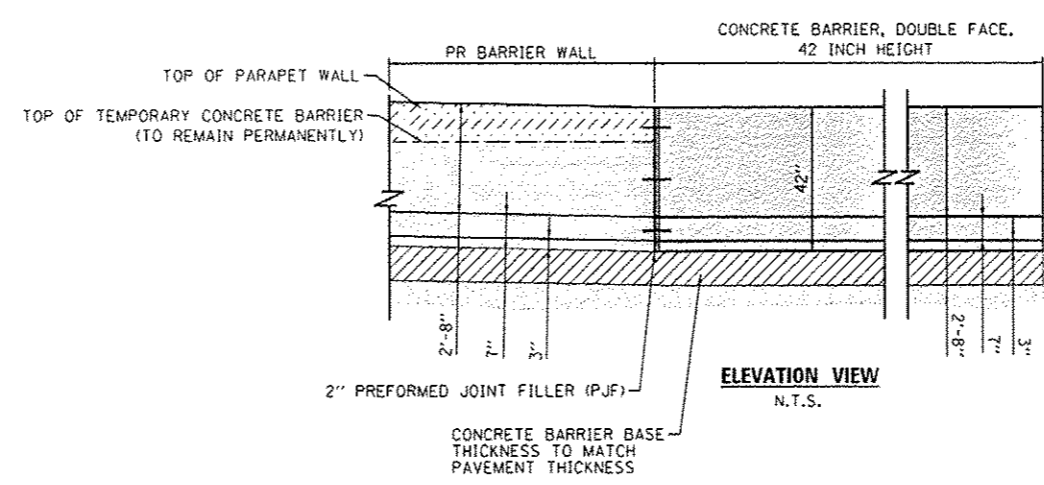
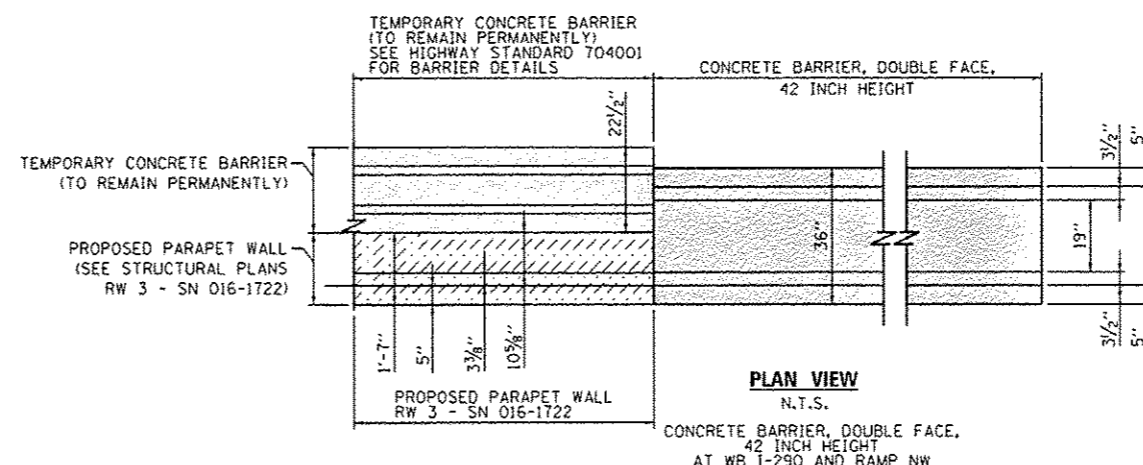
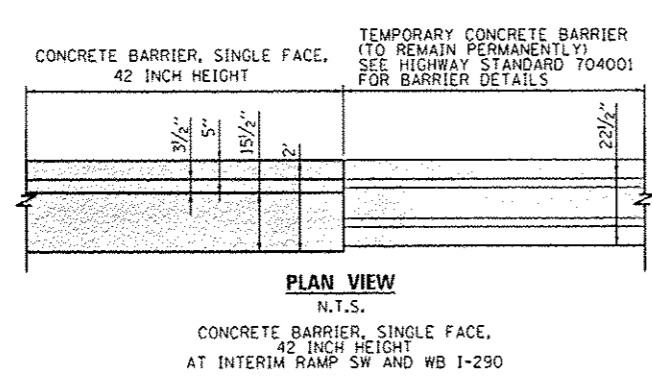
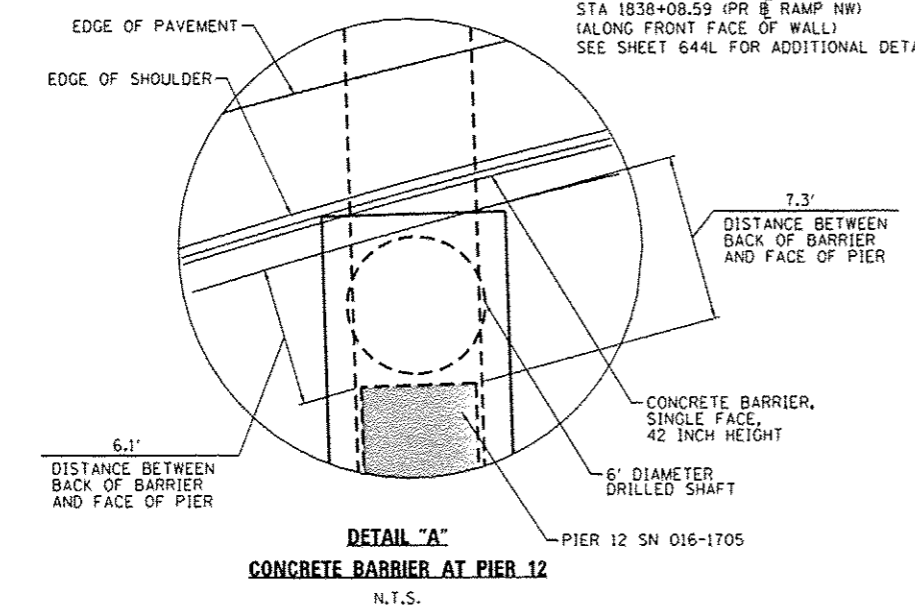
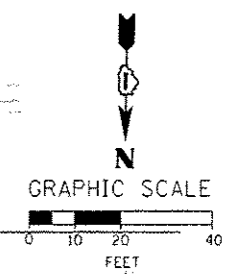
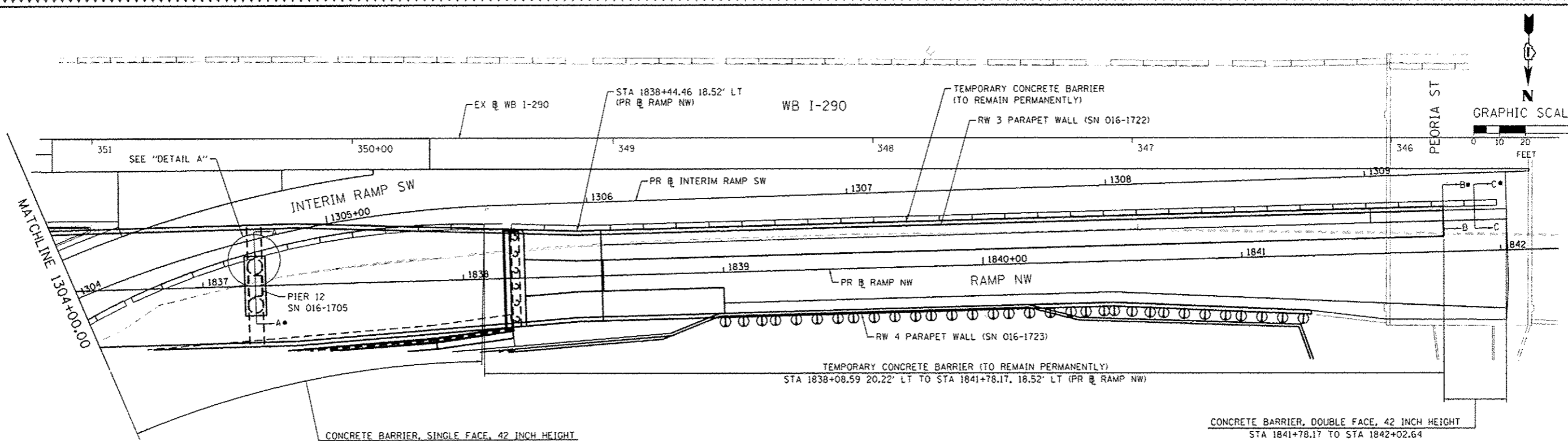
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DRAWN - OPS	REVISED -
CHECKED - DBM	REVISED -
DATE - 04/28/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY DETAILS - CONCRETE BARRIER AT PIER 11
SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE. 90/94/290	SECTION 2013-010R	COUNTY COOK	TOTAL SHEETS 747	SHEET NO. 644L
CONTRACT NO. 60W28			ILLINOIS FED. AID PROJECT	



• FOR SECTIONS A-A, B-B, AND C-C SEE ROADWAY DETAILS - CONCRETE BARRIER AT PIER 12 AND TIE IN AT WB I-290 SHEET 644N.

- NOTES:**
1. EXPANSION JOINTS SHOWN ON THIS DRAWING SHALL BE PREFORMED JOINT MATERIAL (BITUMINOUS TYPE) FILLER AND SHALL MEET AASHTO DESIGNATION M-33.
 2. ALL WORK AND MATERIALS DETAILED HEREIN SHALL BE INCLUDED IN THE COST OF THE VARIOUS CONCRETE BARRIER PAY ITEMS UNLESS OTHERWISE NOTED.
 3. PREFORMED JOINT FILLER SHALL BE INCLUDED IN THE COST OF OF CONCRETE BARRIER OR CONCRETE BARRIER TRANSITION.
 4. JOINTS SHALL BE CONSTRUCTED AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH ARTICLE 637.08 OF THE STANDARD SPECIFICATIONS
 5. TWO VERTICAL EPOXY COATED, NO. 8 TIE BARS, 10" LONG, SHALL BE PLACED STAGGERED FRONT TO BACK OF THE BARRIER WALL AT 48" CENTERS ALONG THE CONCRETE BARRIER TRANSITION. TIE BARS SHALL BE INCLUDED IN THE COST OF CONCRETE BARRIER TRANSITION.
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 7. EXPANSION JOINTS SHALL BE CONSTRUCTED IN BARRIER WALL AT MAXIMUM JOINT SPACING OF 90 FEET AND AS SHOWN ON THE PLANS.
 8. VERTICAL TIE BARS ARE REQUIRED WHEN CONCRETE BARRIER AND CONCRETE BARRIER BASE ARE NOT POURED MONOLITHICALLY.

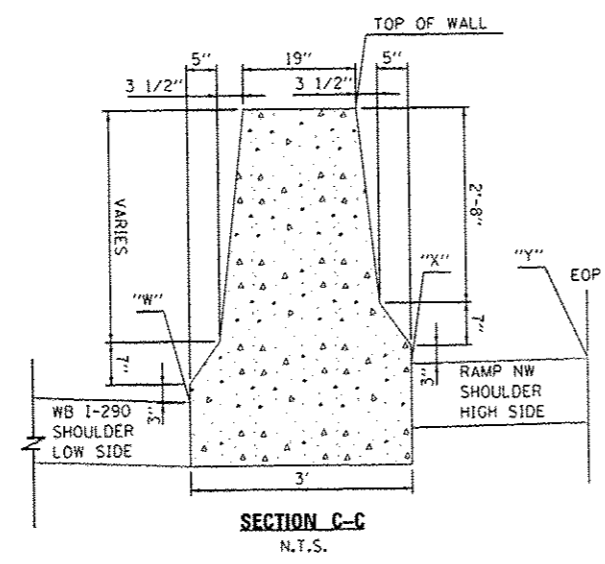
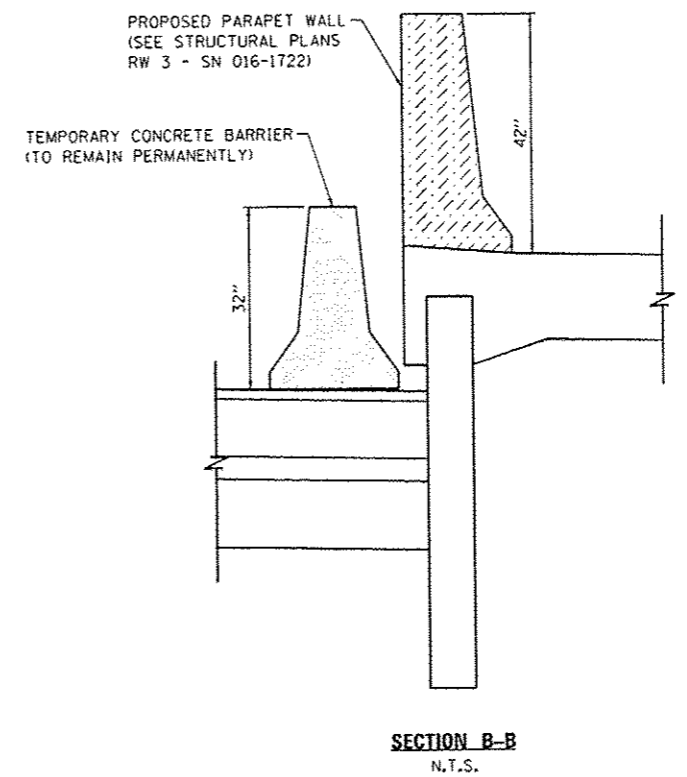
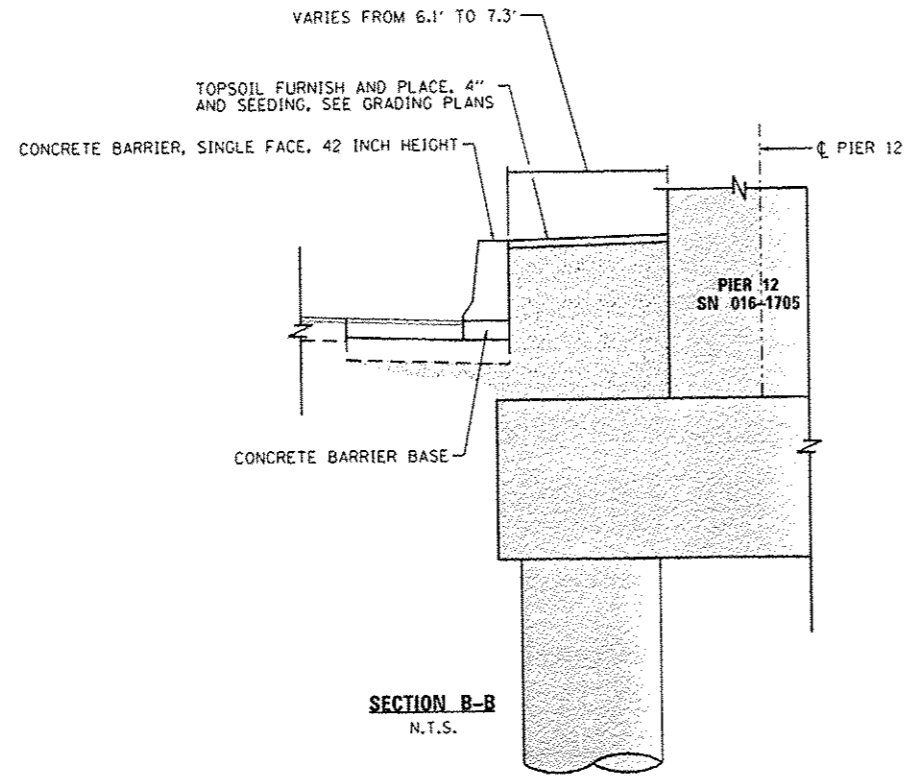


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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY DETAILS - CONCRETE BARRIER AT PIER 12 AND TIE IN AT WB I-290
SCALE: N.T.S. SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE. 90/94/290	SECTION 2013-010R	COUNTY COOK	TOTAL SHEETS 147	SHEET NO. 644M
CONTRACT NO. 60W28				ILLINOIS FED. AID PROJECT



CONCRETE BARRIER, DOUBLE FACE, 42 INCH HEIGHT
(ELEVATIONS AND OFFSETS - RAMP NW)

STA RAMP NW	W		X		Y		PGL ELEV.	TOP OF WALL
	ELEV.	O/S	ELEV.	O/S	ELEV.	O/S		
1841+78.17	577.16	-19.64	579.14	-16.00	579.06	-12.00	578.82	582.64
1841+80.00	577.19	-19.64	579.09	-16.00	579.01	-12.00	578.77	582.59
1841+90.00	577.24	-19.64	578.83	-16.00	578.75	-12.00	578.51	582.33
1842+00.00	577.29	-19.64	578.61	-16.00	578.53	-12.00	578.29	582.11
1842+02.64	577.30	-19.63	578.55	-16.00	578.47	-12.00	578.23	582.05

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY DETAILS - CONCRETE BARRIER AT PIER 12 AND
TIE IN AT WB I-290

SCALE: N.T.S. SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.J. RTE. 90/94/290	SECTION 2013-010R	COUNTY COOK	TOTAL SHEETS 747	SHEET NO. 644N
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60W28	



NOTES:

1. EXPANSION JOINTS SHOWN ON THIS DRAWING SHALL BE PREFORMED JOINT MATERIAL (BITUMINOUS TYPE) FILLER AND SHALL MEET AASHTO DESIGNATION M-33.

2. ALL WORK AND MATERIALS DETAILED HEREIN SHALL BE INCLUDED IN THE COST OF THE VARIOUS CONCRETE BARRIER PAY ITEMS UNLESS OTHERWISE NOTED.

3. PREFORMED JOINT FILLER SHALL BE INCLUDED IN THE COST OF CONCRETE BARRIER OR CONCRETE BARRIER TRANSITION.

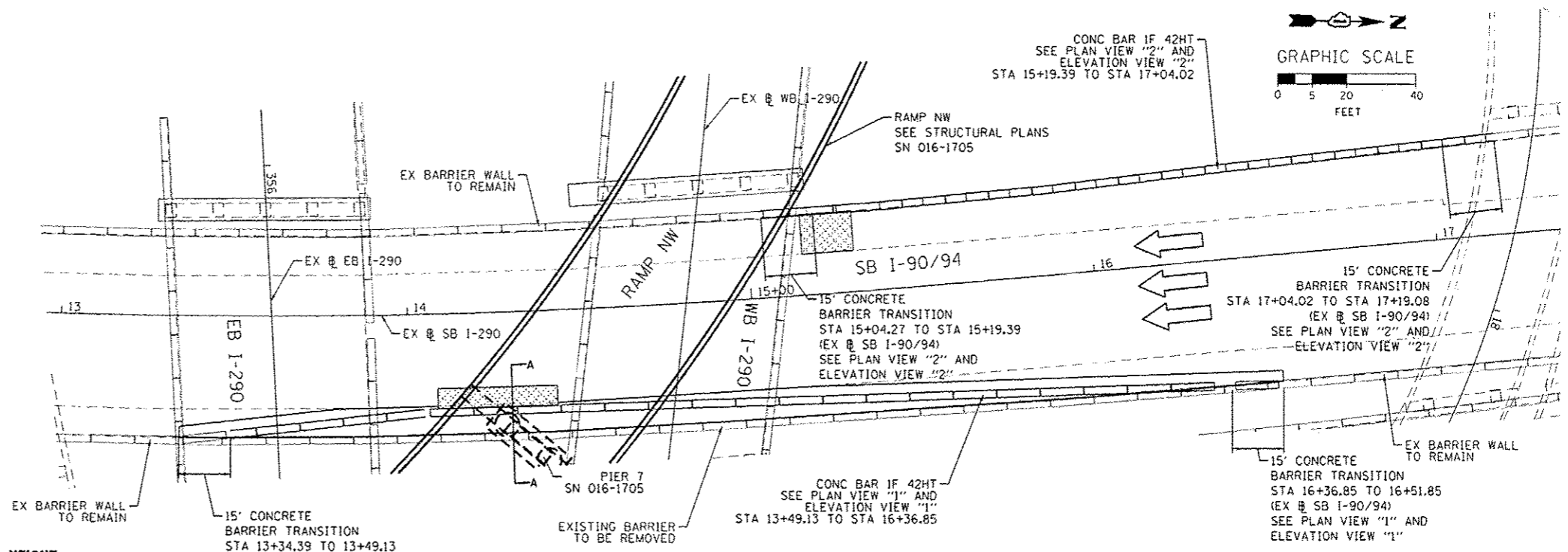
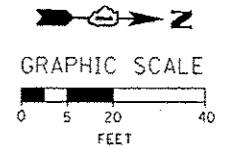
4. JOINTS SHALL BE CONSTRUCTED AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH ARTICLE 637.08 OF THE STANDARD SPECIFICATIONS

5. TWO VERTICAL EPOXY COATED, NO. 8 TIE BARS, 10" LONG, SHALL BE PLACED STAGGERED FRONT TO BACK OF THE BARRIER WALL AT 48" CENTERS ALONG THE CONCRETE BARRIER TRANSITION. TIE BARS SHALL BE INCLUDED IN THE COST OF CONCRETE BARRIER TRANSITION.

6. HORIZONTAL TIE BARS SHALL BE NO. 6 EPOXY COATED, 24" LONG, 24" C-C AND SHALL BE INCLUDED IN THE COST OF THE BARRIER BASE. HORIZONTAL TIE BARS ARE REQUIRED WHEN PAVEMENT IS PCC.

7. EXPANSION JOINTS SHALL BE CONSTRUCTED IN BARRIER WALL AT MAXIMUM JOINT SPACING OF 90 FEET AND AS SHOWN ON THE PLANS.

8. VERTICAL TIE BARS ARE REQUIRED WHEN CONCRETE BARRIER AND CONCRETE BARRIER BASE ARE NOT POURED MONOLITHICALLY.



CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT

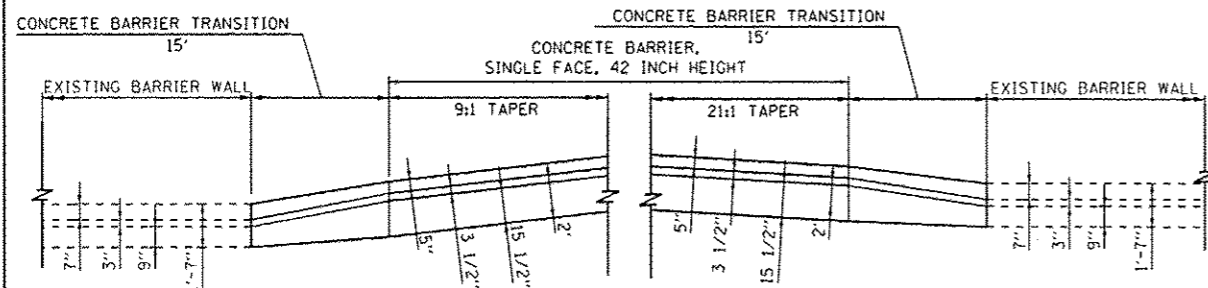
AT SB I-90/94

STA 13+49.13 TO STA 16+36.85 (RIGHT OFFSET)
(EX # SB I-90/94)

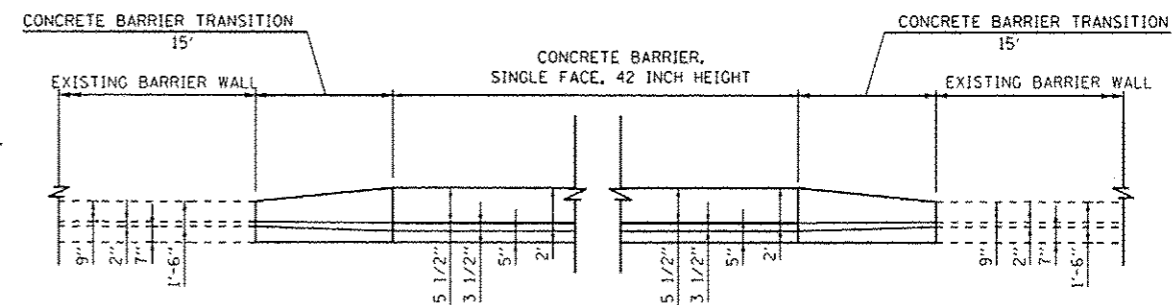
CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT

AT SB I-90/94

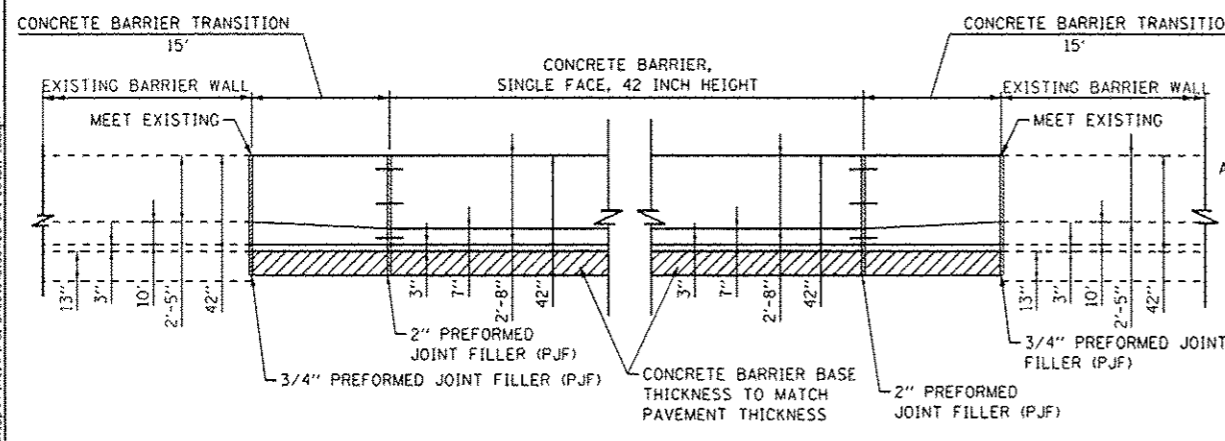
STA 15+19.39 TO STA 17+04.02 (LEFT OFFSET)
(EX # SB I-90/94)



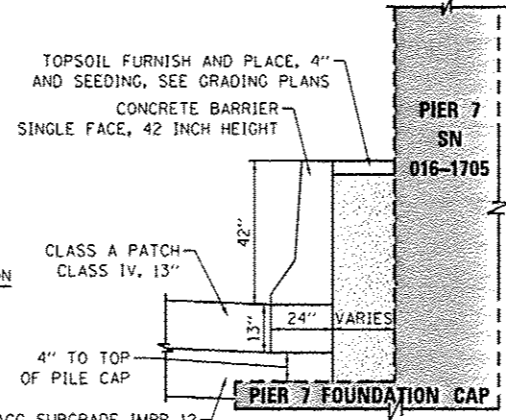
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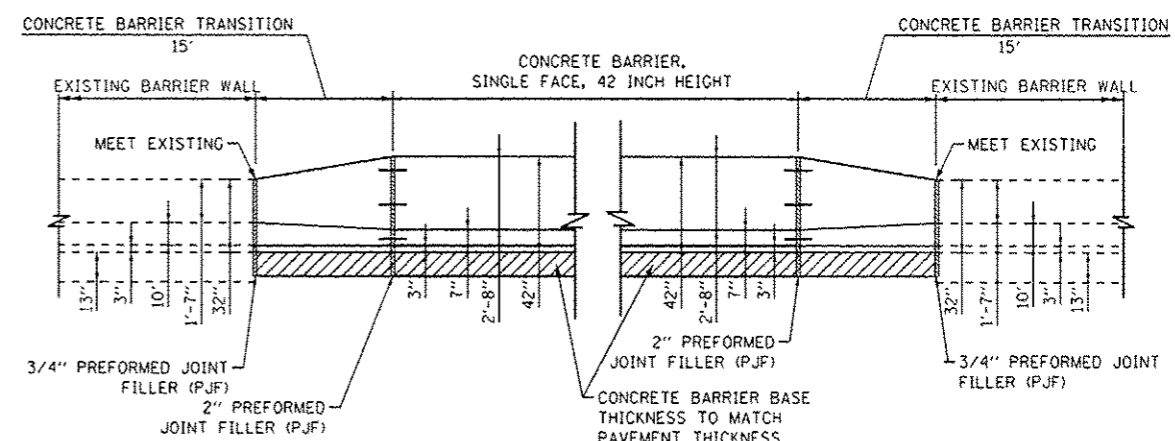
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ELEVATION VIEW "1"
N.T.S.



SECTION A-A
N.T.S.



ELEVATION VIEW "2"
N.T.S.

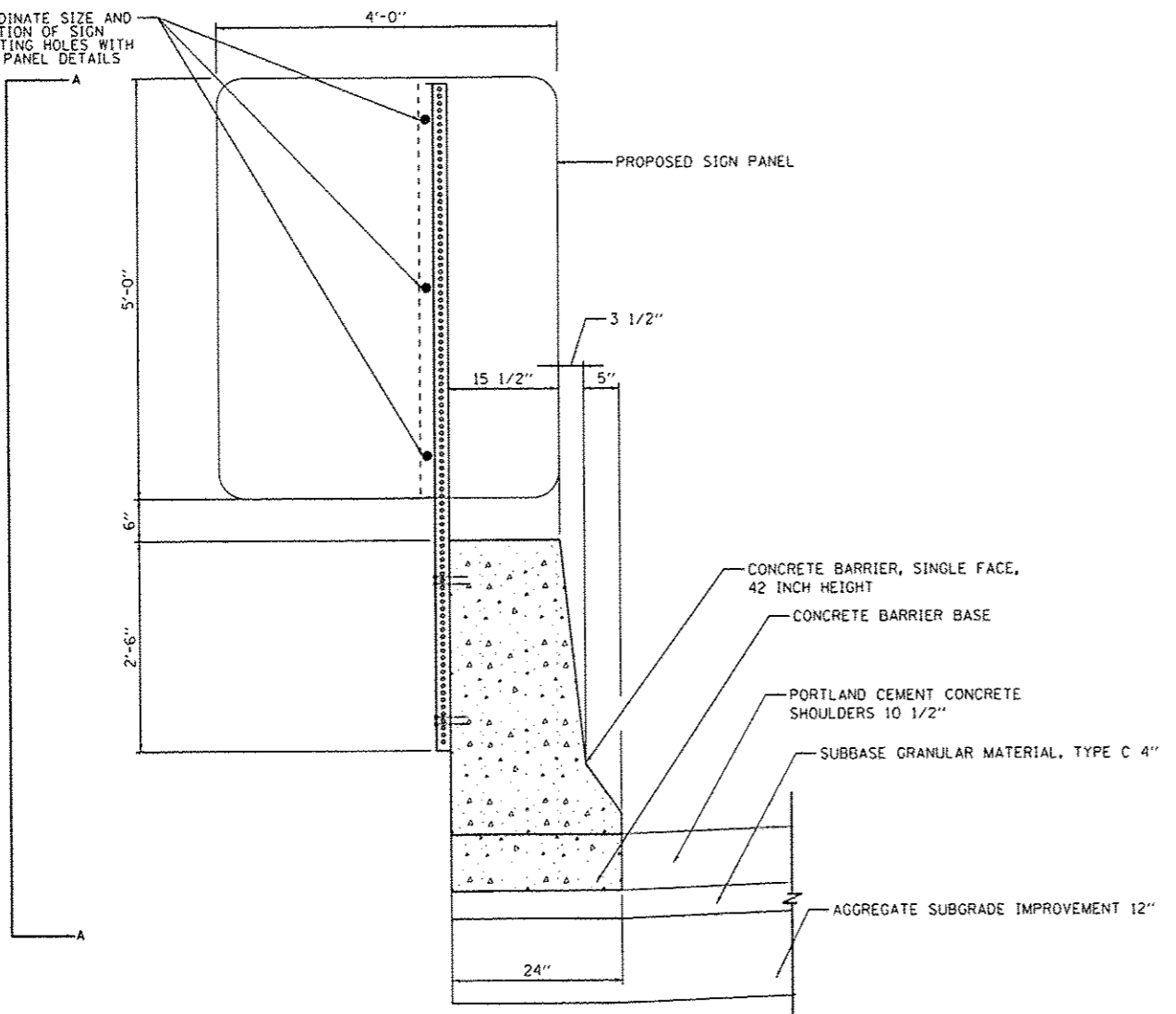


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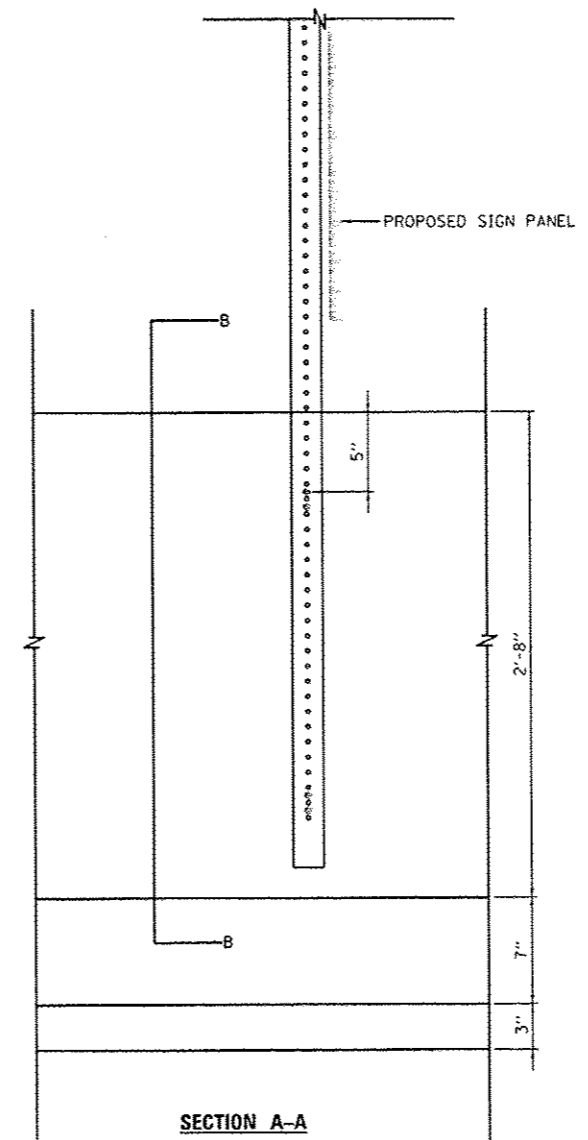
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY DETAILS		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONCRETE BARRIER AT SB I-90/94		90/94/290	2013-010R	COOK	747	6440
SCALE: N.T.S.		SHEET 1 OF 1 SHEETS		CONTRACT NO. GOW28		(ILLINOIS) FED. AID PROJECT

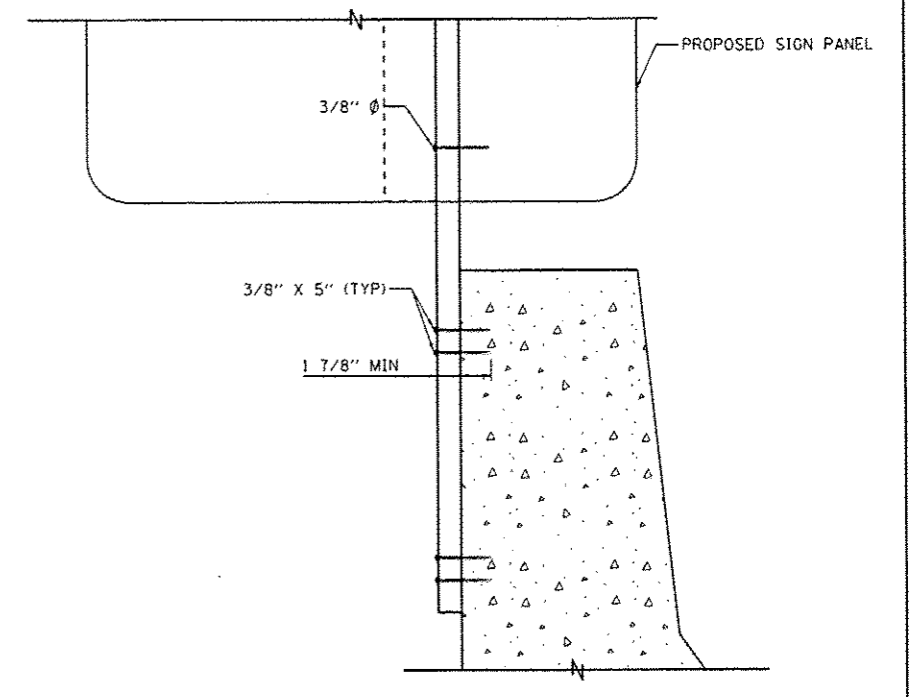
COORDINATE SIZE AND LOCATION OF SIGN MOUNTING HOLES WITH SIGN PANEL DETAILS



END VIEW
N.T.S.



SECTION A-A
N.T.S.



SECTION B-B
N.T.S.

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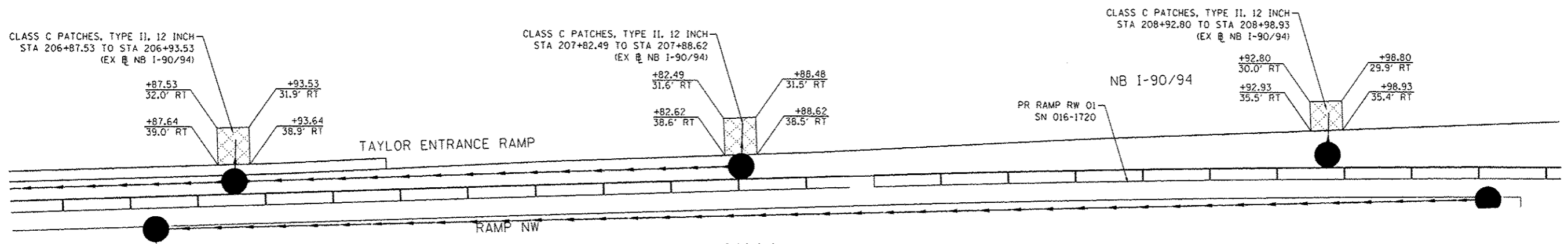
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY DETAILS - WALL MOUNTED SIGN BASE DETAIL
FOR TELESCOPING STEEL SIGN SUPPORT (SPECIAL)

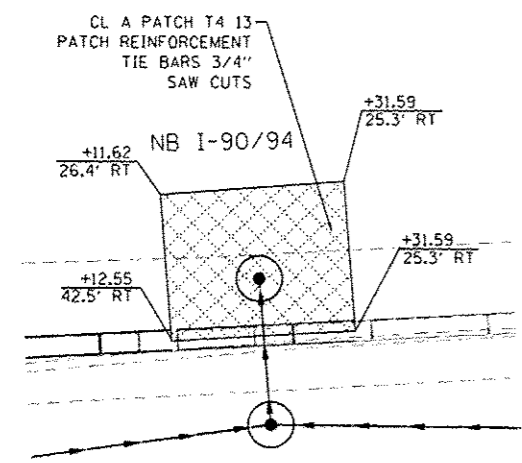
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-D10R	COOK	747	6440
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60W28	

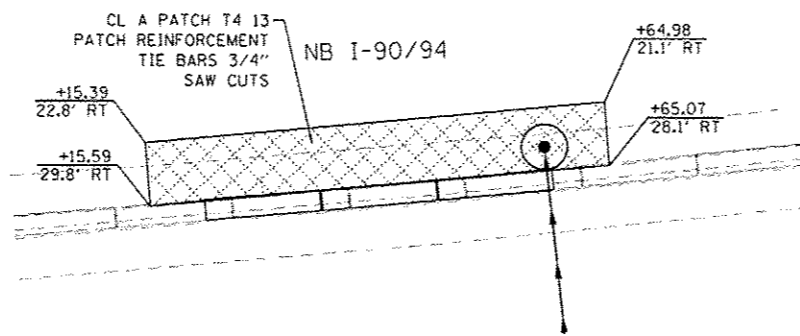




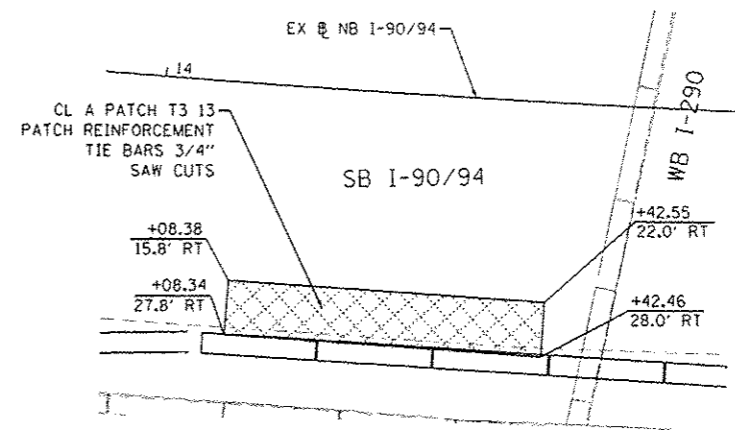
PATCHING DETAIL A
NB I-90/94
 SCALE: NONE



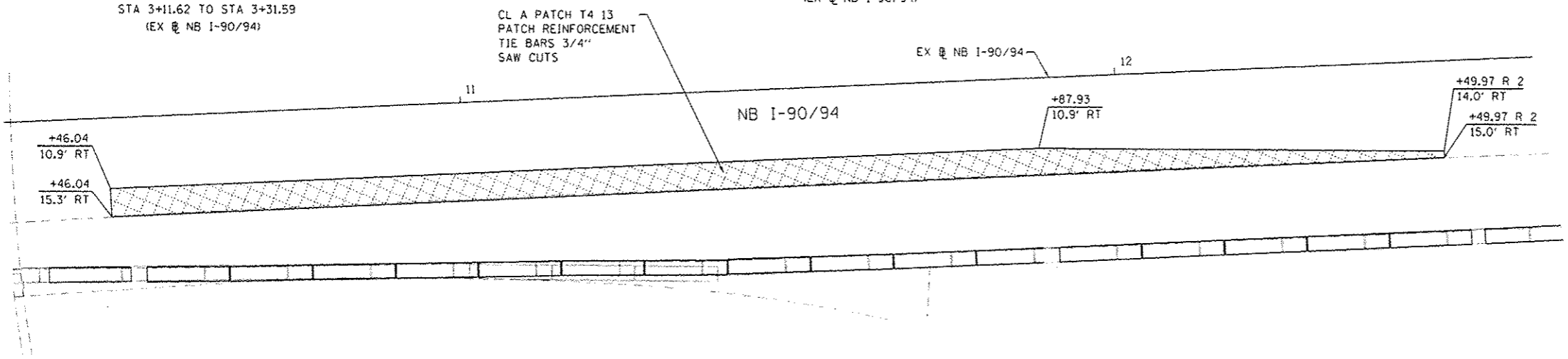
PATCHING DETAIL B
NB I-90/94
 SCALE: NONE
 STA 3+11.62 TO STA 3+31.59
 (EX @ NB I-90/94)



PATCHING DETAIL C
NB I-90/94
 SCALE: NONE
 6+15.39 TO STA 6+65.07
 (EX @ NB I-90/94)



PATCHING DETAIL D
SB I-90/94
 SCALE: NONE
 14+08.34 TO STA 14+42.55
 (EX @ NB I-90/94)



PATCHING DETAIL E
NB I-90/94 AT TEMPORARY RAMP NW
 SCALE: NONE
 10+46.04 TO STA 12+49.97
 (EX @ NB I-90/94)

- NOTES:**
1. THE PROPOSED CONCRETE BARRIER BASE MAY BE POURED MONOLITHICALLY WITH THE CONC BAR 2F 42HT AND /OR THE PROPOSED CLASS A PATCHES.
 2. SEE HIGHWAY STANDARDS 442001 FOR ADDITIONAL REINFORCEMENT AND PATCHING DETAILS.
 3. CONTRACTOR SHALL FIELD VERIFY EXISTING PAVEMENT THICKNESSES PRIOR TO PLACING PATCH.



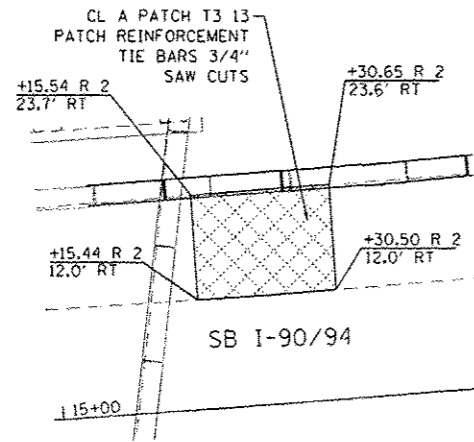
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 PLOT DATE: 5/27/2014

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DRAWN - NSA	REVISED -
CHECKED - DBM	REVISED -
DATE - 04/28/14	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ROADWAY DETAILS - ROADWAY PATCHING
 SCALE: N.T.S. SHEET 1 OF 2 SHEETS STA. TO STA.

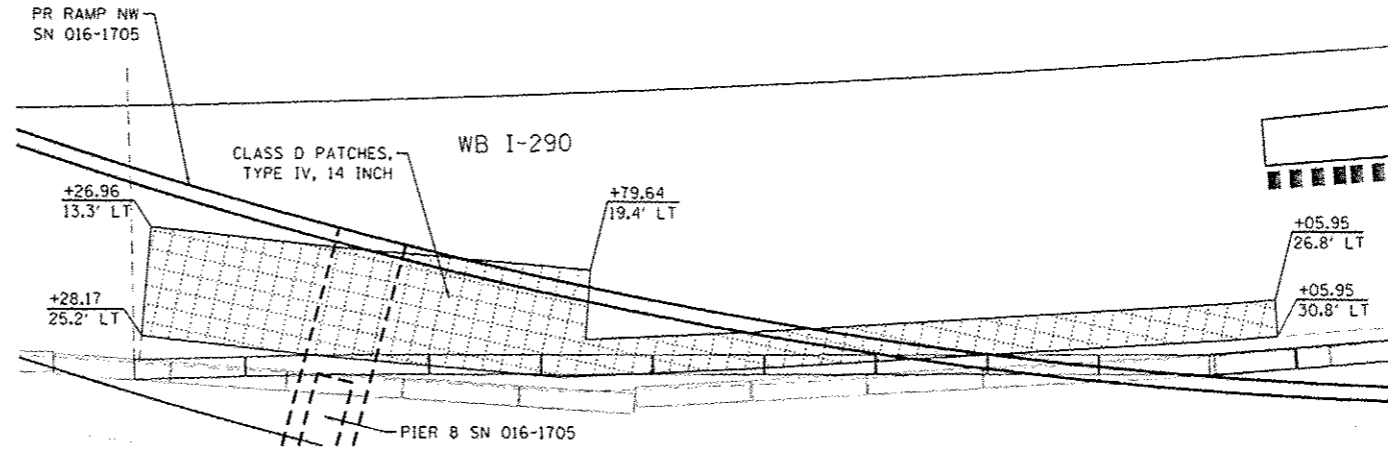
F.A.I. RTE. 90/94/290	SECTION 2013-010R	COUNTY COOK	TOTAL SHEETS 747	SHEET NO. 644R
CONTRACT NO. 60W28			ILLINOIS FED. AID PROJECT	



PATCHING DETAIL F

SB I-90/94

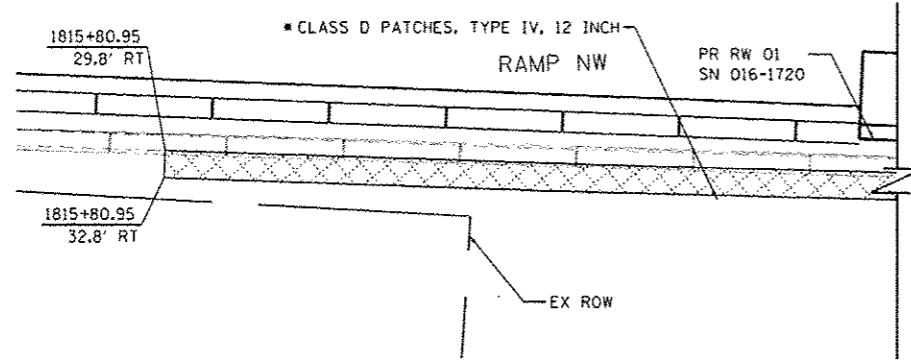
SCALE: NONE
STA 15+15.44 TO STA 15+30.65
(EX @ SB I-90/94)



PATCHING DETAIL G

WB I-290

SCALE: NONE
354+79.54 TO STA 355+26.96
(EX @ WB I-290)



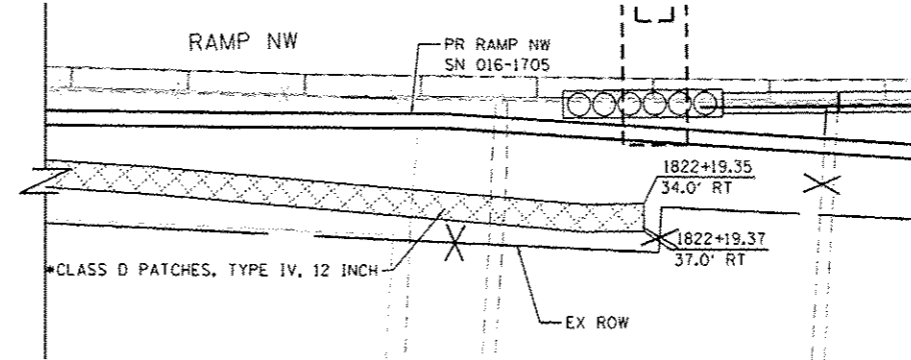
DETAIL H

VERNON PARK PLACE

STA 1815+80.95 TO STA 1822+19.37
(PR @ RAMP NW)

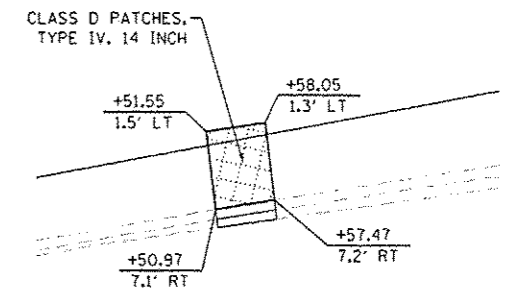
SCALE: NONE

*PATCHING IS OFFSET 1.5' ON BOTH SIDES OF PROPOSED ELECTRICAL LINE
(SEE ELECTRICAL PLANS FOR ADDITIONAL DETAILS)



NOTES:

1. THE PROPOSED CONCRETE BARRIER BASE MAY BE POURED MONOLITHICALLY WITH THE CONC BAR 2F 42HT AND /OR THE PROPOSED CLASS A PATCHES.
2. SEE HIGHWAY STANDARDS 442001 FOR ADDITIONAL REINFORCEMENT AND PATCHING DETAILS.
3. CONTRACTOR SHALL FIELD VERIFY EXISTING PAVEMENT THICKNESS BEFORE PLACING PATCH.

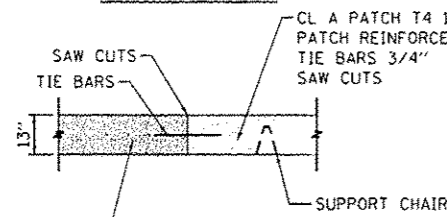


PATCHING DETAIL I

WB I-290

SCALE: NONE
25+50.97 TO STA 25+58.05
(EX @ WB I-290)

**CLASS A
PATCHING DETAILS**

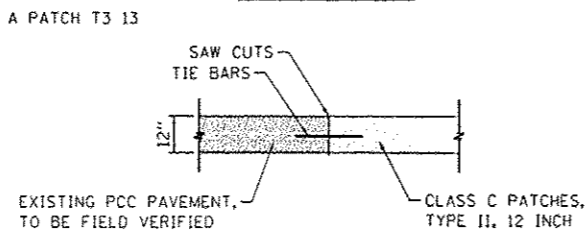


TYPICAL SECTION 1

CLASS A PATCHES AT NB I-90/94 & SB I-90/94

N.T.S.
(APPLIES TO PATCHING DETAILS B, C, D, E, AND F)

**CLASS C
PATCHING DETAILS**

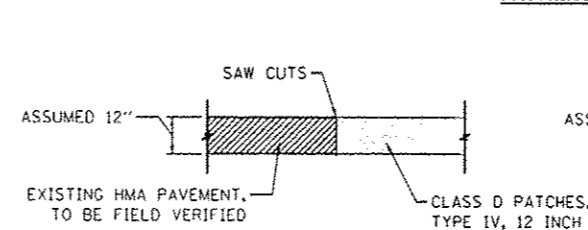


TYPICAL SECTION 2

CLASS C PATCHES AT TAYLOR STREET ENTRANCE RAMP

N.T.S.
(APPLIES TO PATCHING DETAIL A)

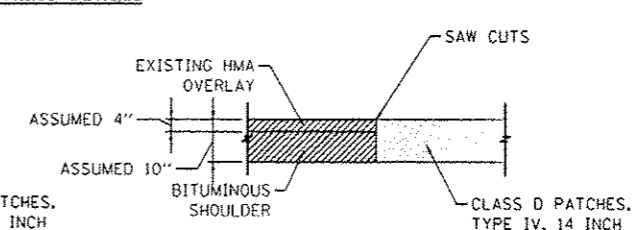
**CLASS D
PATCHING DETAILS**



TYPICAL SECTION 3

CLASS D PATCHES AT VERNON PARK PLACE

N.T.S.
(APPLIES TO PATCHING DETAIL H)



TYPICAL SECTION 4

CLASS D PATCHES AT WB I-290

N.T.S.
(APPLIES TO PATCHING DETAIL G & I)



DIGBv2B-ent-Detail-14.dgn
USER NAME: alizadehn
PLOT SCALE: 20.0000' / 1\"/>

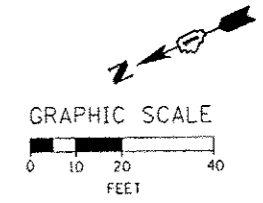
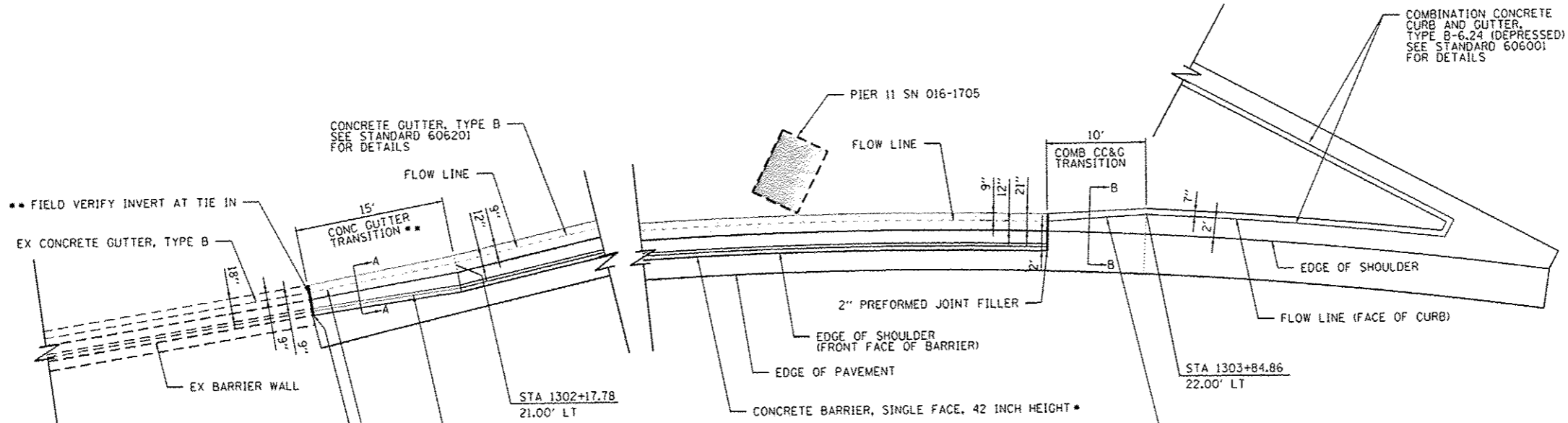
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DRAWN - NSA	REVISED -
CHECKED - DBM	REVISED -
DATE - 04/28/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY DETAILS - ROADWAY PATCHING

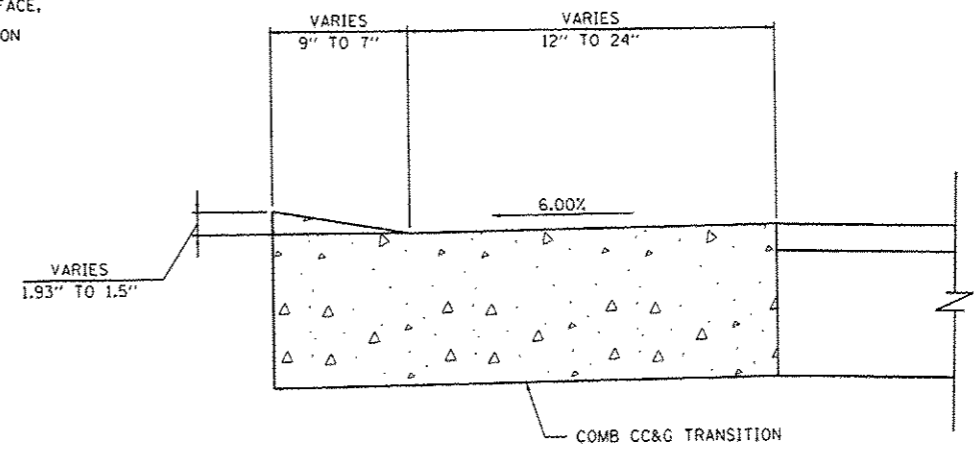
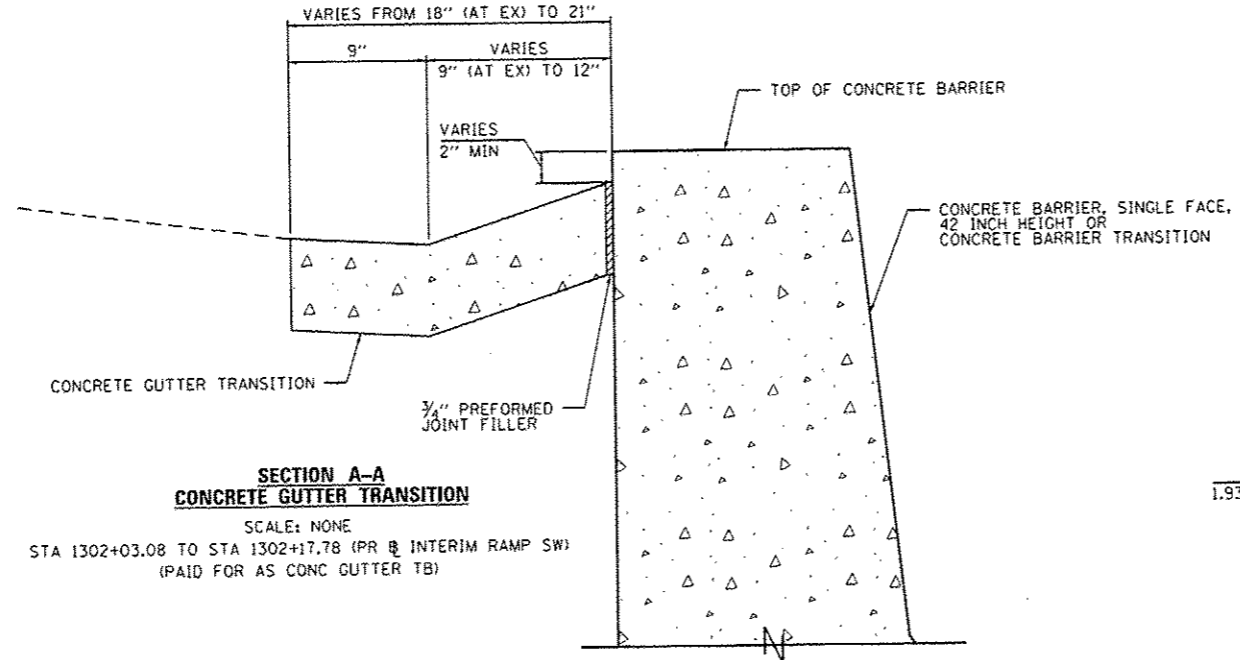
SCALE: N.T.S. SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE. 90/94/290	SECTION 2013-010R	COUNTY COOK	TOTAL SHEETS 747	SHEET NO. 644S
CONTRACT NO. 60W2B			ILLINOIS FED. AID PROJECT	



PLAN VIEW

- N.T.S.
- SEE SHEET 644L FOR CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT WITH CONCRETE GUTTER, TYPE B TYPICAL SECTION.
 - THE CONCRETE GUTTER TRANSITION SHALL MATCH EXISTING DIMENSIONS. PRIOR TO COMMENCING THE WORK, FIELD VERIFY ALL EXISTING DIMENSIONS.
- BOXED ITEMS ARE INCLUDED IN THE COST OF THE CONTRACT.



FILE PATH: C:\Users\alijohn\OneDrive\Documents\Drawings\2014\11-15.dgn



D:\6028-ehc-Data\11-15.dgn
USER NAME: alijohn
PLOT SCALE: 48.0000 / in.
PLOT DATE: 5/27/2014

DESIGNED - OPS	REVISED - 5/27/2014
DRAWN - OPS	REVISED -
CHECKED - DBM	REVISED -
DATE - 04/28/14	REVISED -

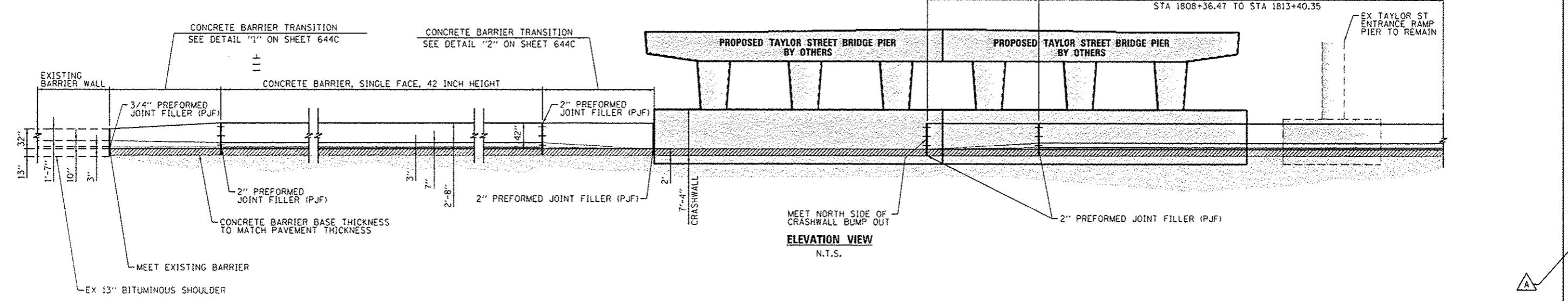
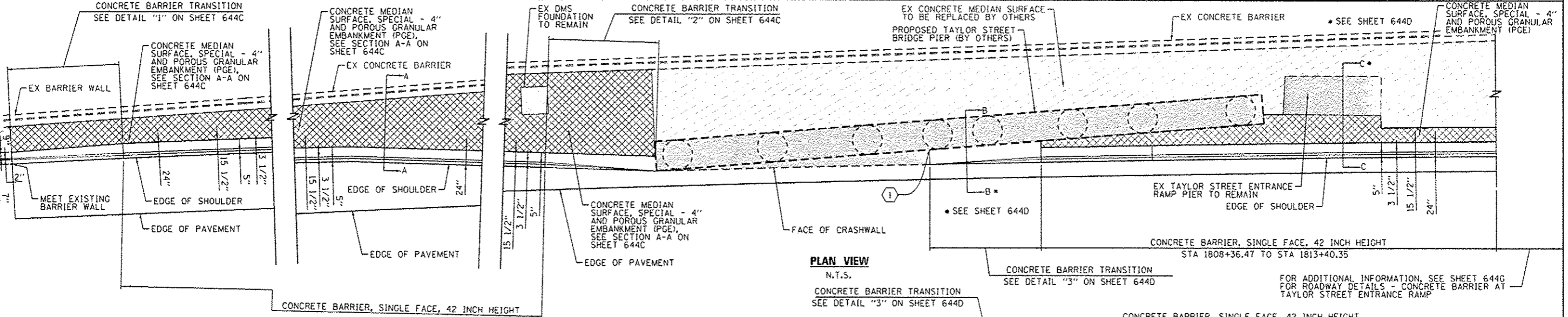
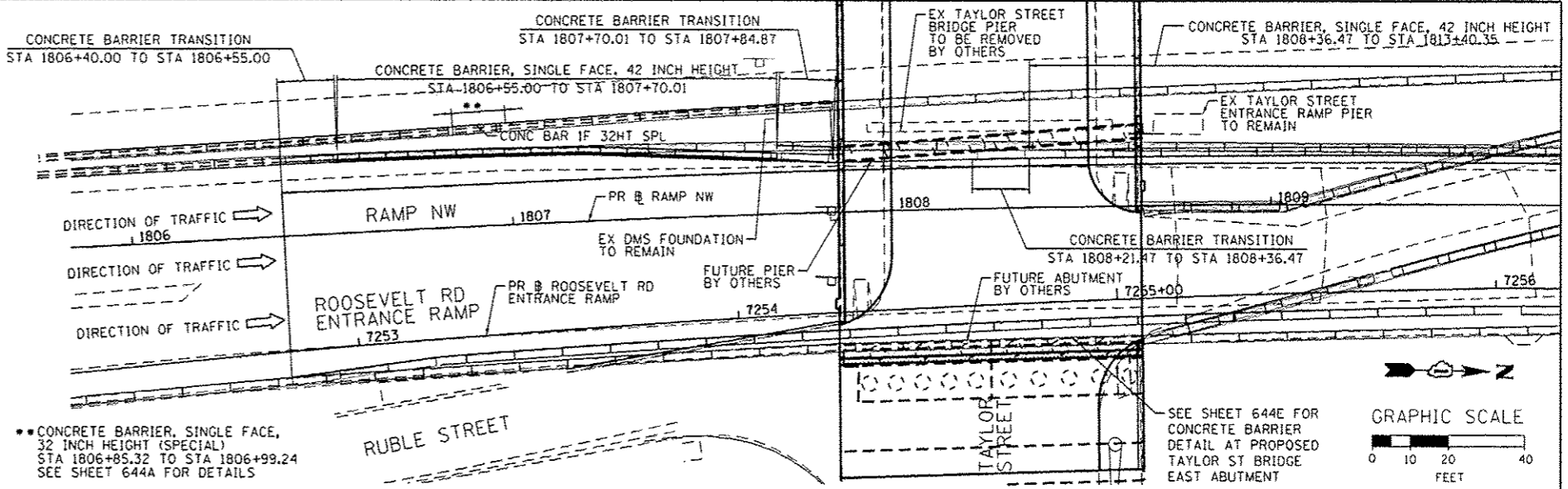
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY DETAILS - CONCRETE GUTTER AND COMB CC&G TRANSITION
SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTEL	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-010R	COOK	147	644T
CONTRACT NO. 60W28			ILLINOIS FED. AID PROJECT	

NOTES:

1. EXPANSION JOINTS SHOWN ON THIS DRAWING SHALL BE PERFORMED JOINT MATERIAL (BITUMINOUS TYPE) FILLER AND SHALL MEET AASHTO DESIGNATION M-33.
2. ALL WORK AND MATERIALS DETAILED HEREIN SHALL BE INCLUDED IN THE COST OF THE VARIOUS CONCRETE BARRIER PAY ITEMS UNLESS OTHERWISE NOTED.
3. PREFORMED JOINT FILLER SHALL BE INCLUDED IN THE COST OF CONCRETE BARRIER OR CONCRETE BARRIER TRANSITION.
4. JOINTS SHALL BE CONSTRUCTED AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH ARTICLE 637.08 OF THE STANDARD SPECIFICATIONS
5. TWO VERTICAL EPOXY COATED, NO. 8 TIE BARS, 10" LONG, SHALL BE PLACED STAGGERED FRONT TO BACK OF THE BARRIER WALL AT 48" CENTERS ALONG THE CONCRETE BARRIER TRANSITION. TIE BARS SHALL BE INCLUDED IN THE COST OF CONCRETE BARRIER TRANSITION.
6. HORIZONTAL TIE BARS SHALL BE NO. 6 EPOXY COATED, 24" LONG, 24" C-C AND SHALL BE INCLUDED IN THE COST OF THE BARRIER BASE. HORIZONTAL TIE BARS ARE REQUIRED WHEN PAVEMENT IS PCC.
7. EXPANSION JOINTS SHALL BE CONSTRUCTED IN BARRIER WALL AT MAXIMUM JOINT SPACING OF 90 FEET AND AS SHOWN ON THE PLANS.
8. VERTICAL TIE BARS ARE REQUIRED WHEN CONCRETE BARRIER AND CONCRETE BARRIER BASE ARE NOT POURED MONOLITHICALLY.



0168v28-wht-Detail-02a.dgn
 USER NAME = alizeahm
 PLOT SCALE = 40.0000' / 1" / 11"
 PLOT DATE = 5/27/2014

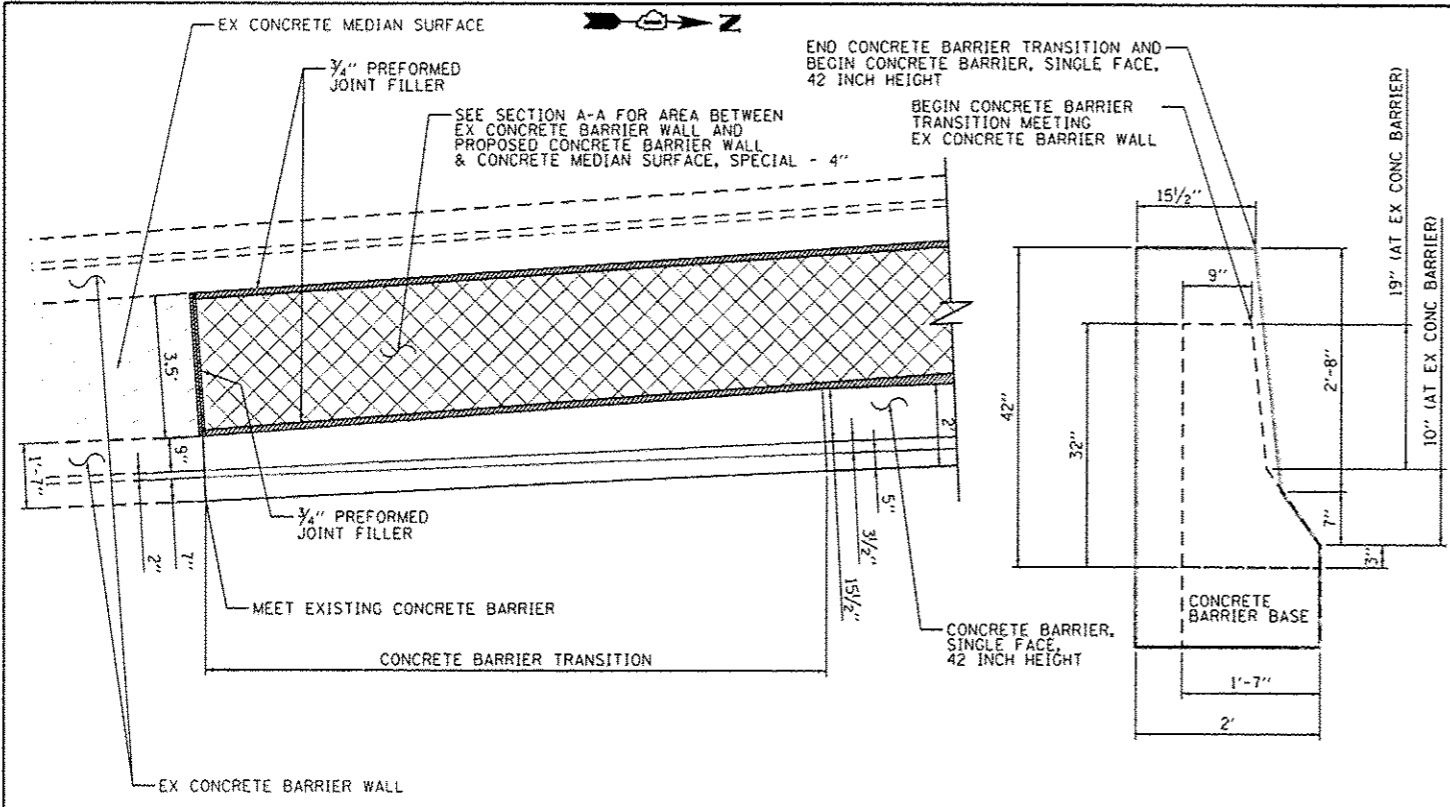
DESIGNED - OPS	REVISED - 5/27/2014
DRAWN - OPS	REVISED -
CHECKED - DBM	REVISED -
DATE - 04/28/14	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ROADWAY DETAILS - CONCRETE BARRIER AT
 PROPOSED TAYLOR STREET BRIDGE PIER

SCALE: N.T.S. SHEET 1 OF 3 SHEETS STA. TO STA.

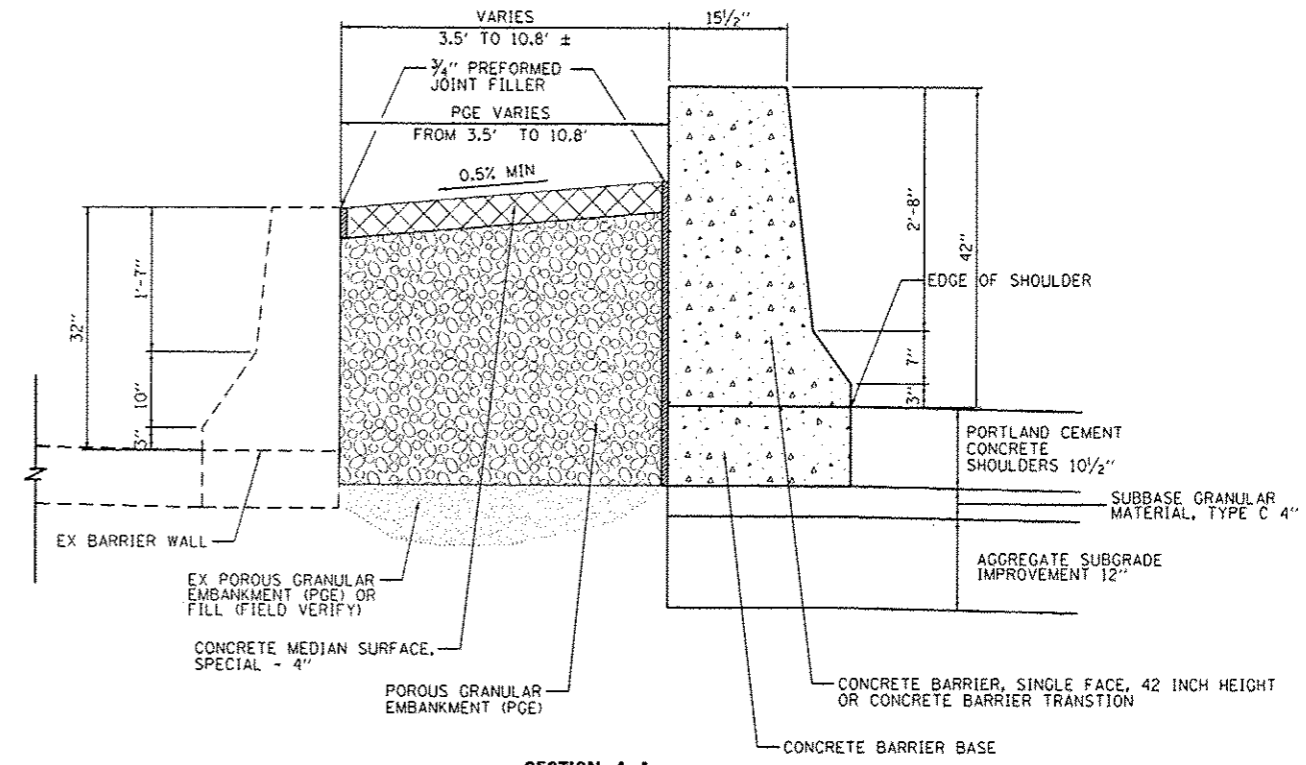
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-010R	COOK	747	644B
CONTRACT NO. 60W28			ILLINOIS FED. AID PROJECT	



CONCRETE BARRIER TRANSITION - DETAIL "1"

SCALE: NONE

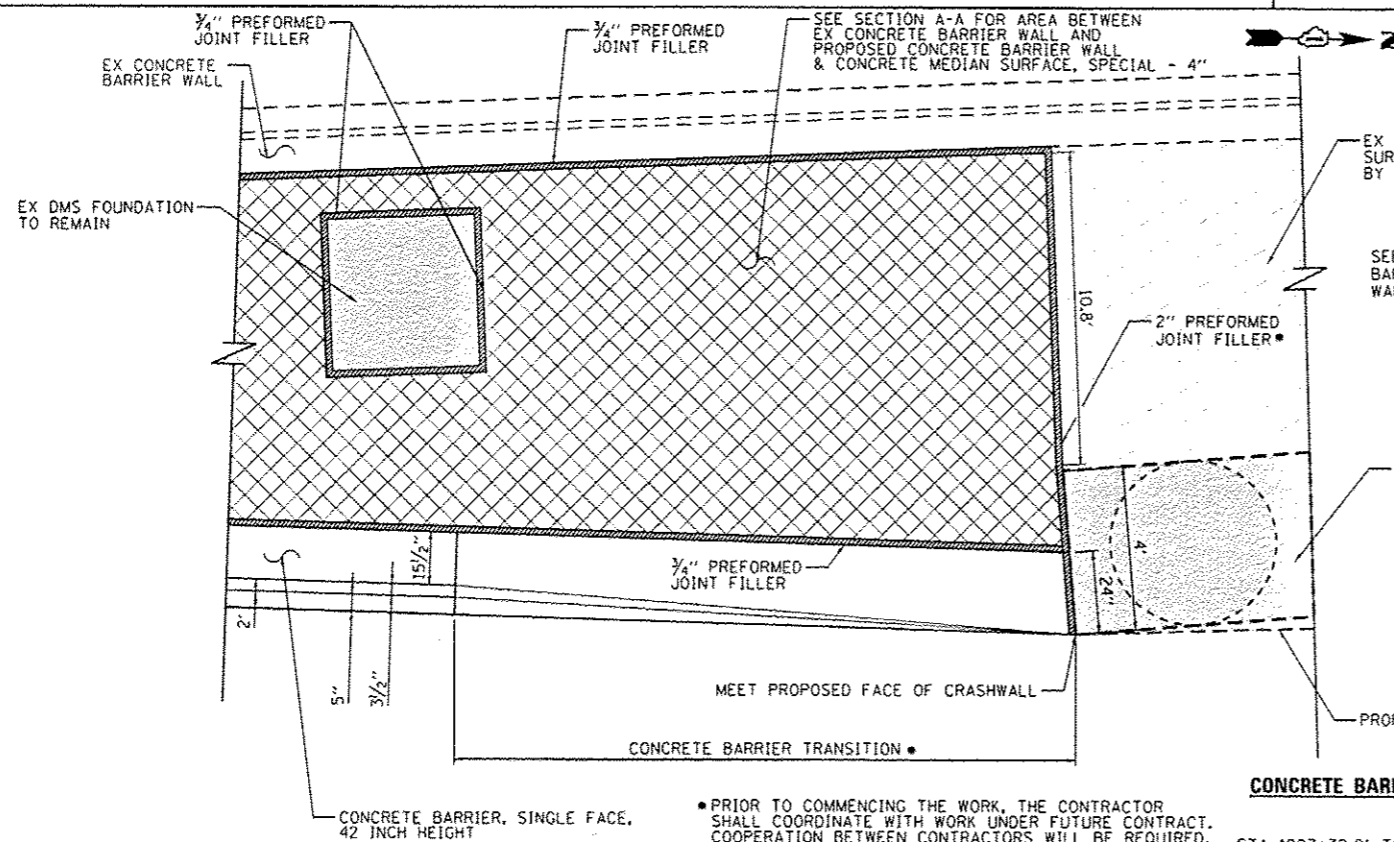
STA 1806+40.00 TO STA 1806+55.00 (PR @ RAMP NW)



SECTION A-A

SCALE: NONE

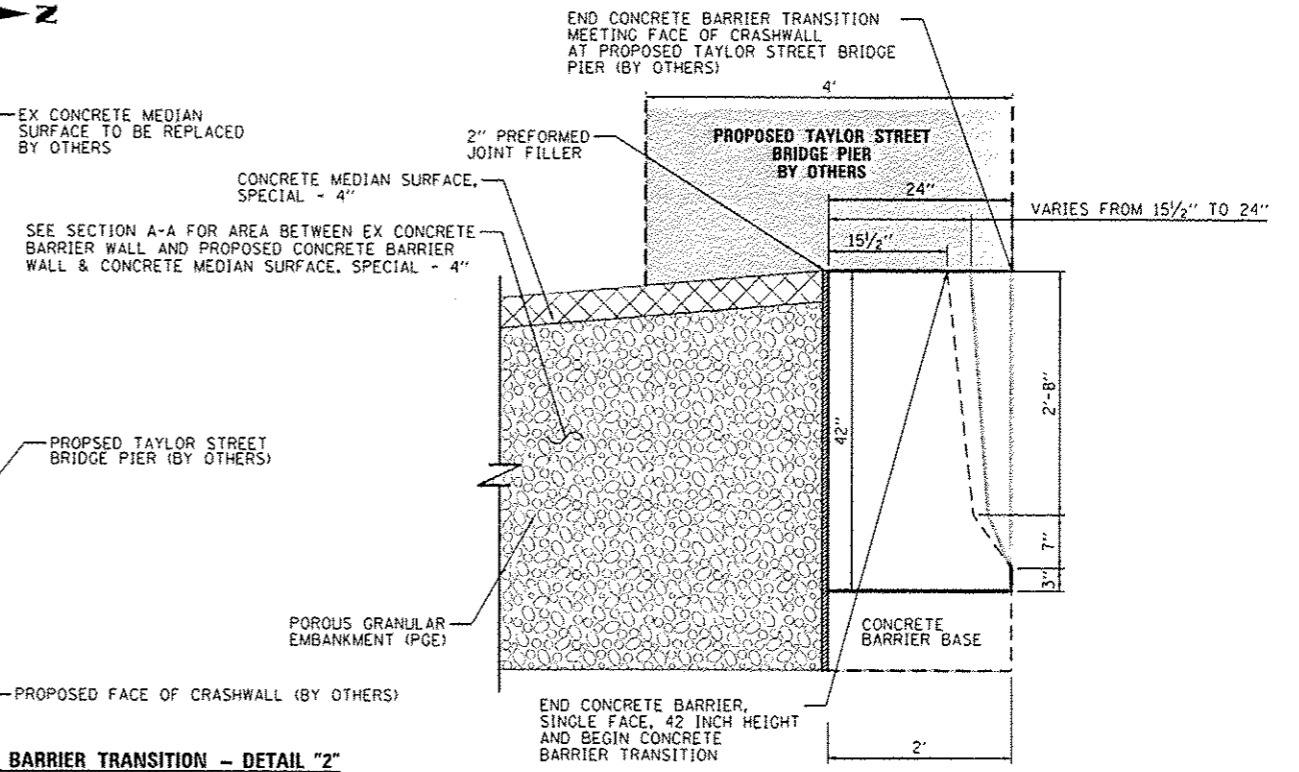
STA 1806+40.00 TO STA 1806+55.00 (PR @ RAMP NW) - CONCRETE BARRIER TRANSITION - DETAIL "1"
 STA 1806+55.00 TO STA 1807+70.01 (PR @ RAMP NW) - CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT
 STA 1807+70.01 TO STA 1807+84.87 (PR @ RAMP NW) - CONCRETE BARRIER TRANSITION - DETAIL "2"



CONCRETE BARRIER TRANSITION - DETAIL "2"

SCALE: NONE

STA 1807+70.01 TO STA 1807+84.87 (PR @ RAMP NW)



• PRIOR TO COMMENCING THE WORK, THE CONTRACTOR SHALL COORDINATE WITH WORK UNDER FUTURE CONTRACT. COOPERATION BETWEEN CONTRACTORS WILL BE REQUIRED.



D:\60W28\whit-Detail-028.dgn
 USER NAME: ajszadehn
 PLOT SCALE: 1/8" = 1'-0"
 PLOT DATE: 5/27/2014

DESIGNED - OPS	REVISED - 5/27/2014
DRAWN - OPS	REVISED -
CHECKED - DBM	REVISED -
DATE - 04/28/14	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ROADWAY DETAILS - CONCRETE BARRIER AT
 PROPOSED TAYLOR STREET BRIDGE PIER

SCALE: N.T.S. SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-010R	COOK	747	644C
CONTRACT NO. 60W28				
ILLINOIS FED. AID PROJECT				

NOTES:

1. EXPANSION JOINTS SHOWN ON THIS DRAWING SHALL BE PREFORMED JOINT MATERIAL (BITUMINOUS TYPE) FILLER AND SHALL MEET AASHTO DESIGNATION M-33.

2. ALL WORK AND MATERIALS DETAILED HEREIN SHALL BE INCLUDED IN THE COST OF THE VARIOUS CONCRETE BARRIER PAY ITEMS UNLESS OTHERWISE NOTED.

3. PREFORMED JOINT FILLER SHALL BE INCLUDED IN THE COST OF OF CONCRETE BARRIER OR CONCRETE BARRIER TRANSITION.

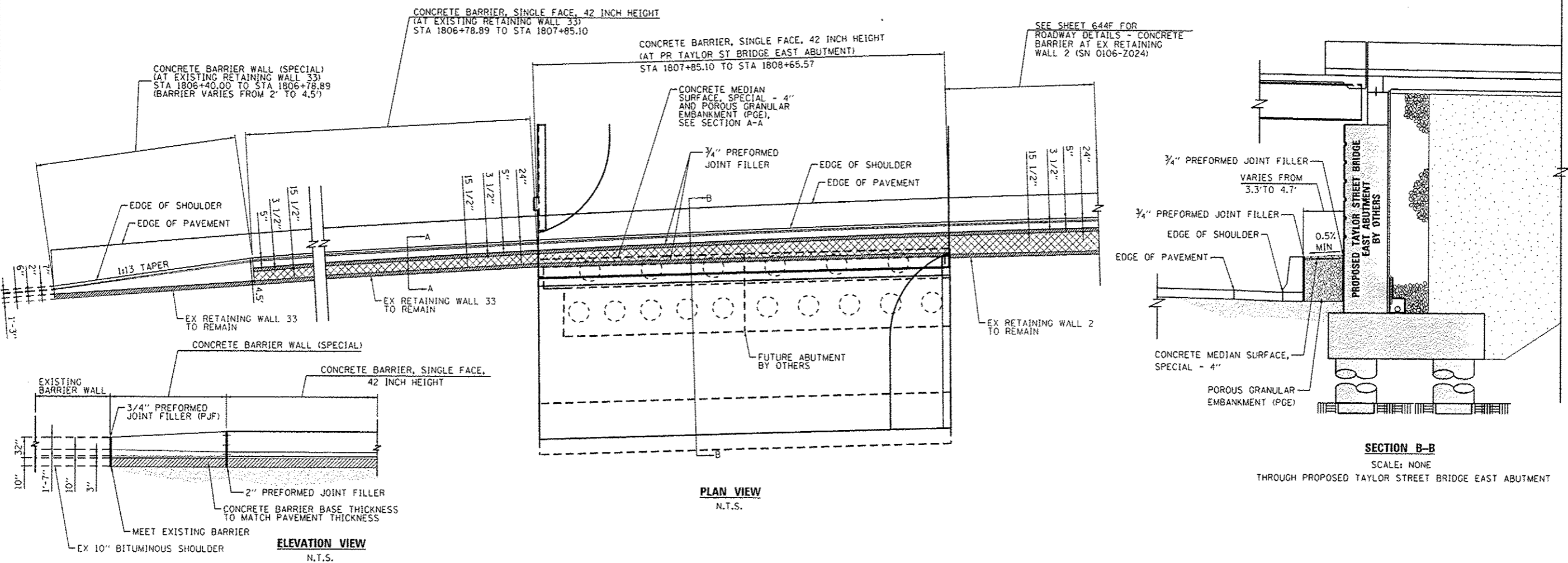
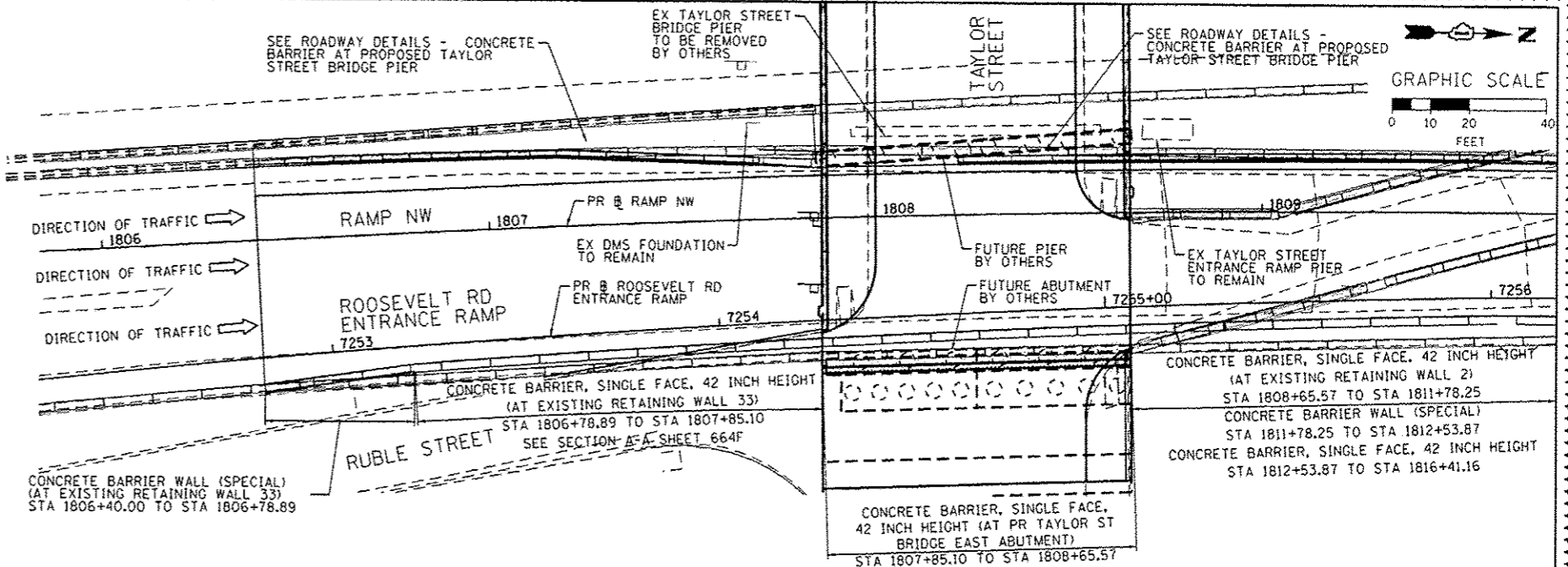
4. JOINTS SHALL BE CONSTRUCTED AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH ARTICLE 637.08 OF THE STANDARD SPECIFICATIONS

5. TWO VERTICAL EPOXY COATED, NO. 8 TIE BARS, 10" LONG, SHALL BE PLACED STAGGERED FRONT TO BACK OF THE BARRIER WALL AT 48" CENTERS ALONG THE CONCRETE BARRIER TRANSITION. TIE BARS SHALL BE INCLUDED IN THE COST OF CONCRETE BARRIER TRANSITION.

6. HORIZONTAL TIE BARS SHALL BE NO. 6 EPOXY COATED, 24" LONG, 24" C-C AND SHALL BE INCLUDED IN THE COST OF THE BARRIER BASE. HORIZONTAL TIE BARS ARE REQUIRED WHEN PAVEMENT IS PCC.

7. EXPANSION JOINTS SHALL BE CONSTRUCTED IN BARRIER WALL AT MAXIMUM JOINT SPACING OF 90 FEET AND AS SHOWN ON THE PLANS.

8. VERTICAL TIE BARS ARE REQUIRED WHEN CONCRETE BARRIER AND CONCRETE BARRIER BASE ARE NOT POURED MONOLITHICALLY.



0160W28-hnt-Detail-020.dgn
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 PLOT SCALE: 48.0000 / 1 in.
 PLOT DATE: 5/27/2014

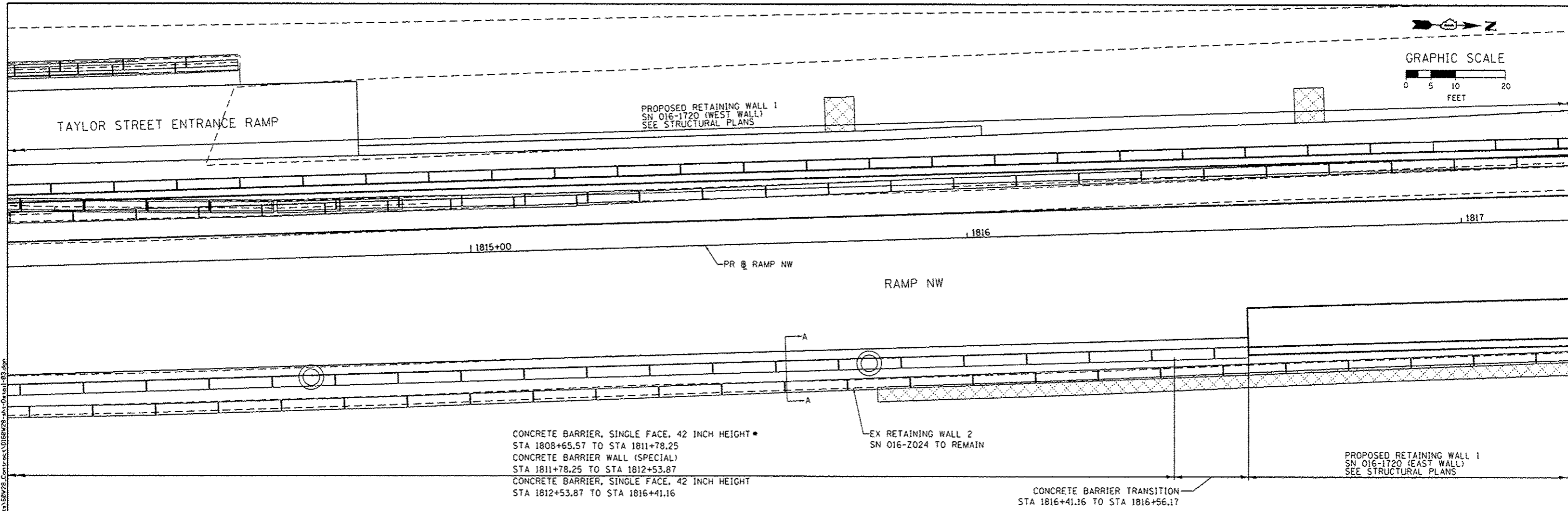
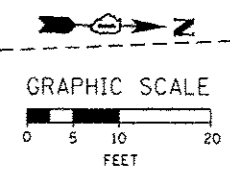
DESIGNED - OPS	REVISED - 5/27/2014
DRAWN - OPS	REVISED -
CHECKED - DBM	REVISED -
DATE - 04/28/14	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ROADWAY DETAILS - CONCRETE BARRIER AT
 PROPOSED TAYLOR STREET BRIDGE EAST ABUTMENT

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

F.A.I. RTE. 90/94/290	SECTION 2013-010R	COUNTY COOK	TOTAL SHEETS 747	SHEET NO. 644E
CONTRACT NO. 60W28			ILLINOIS FED. AID PROJECT	

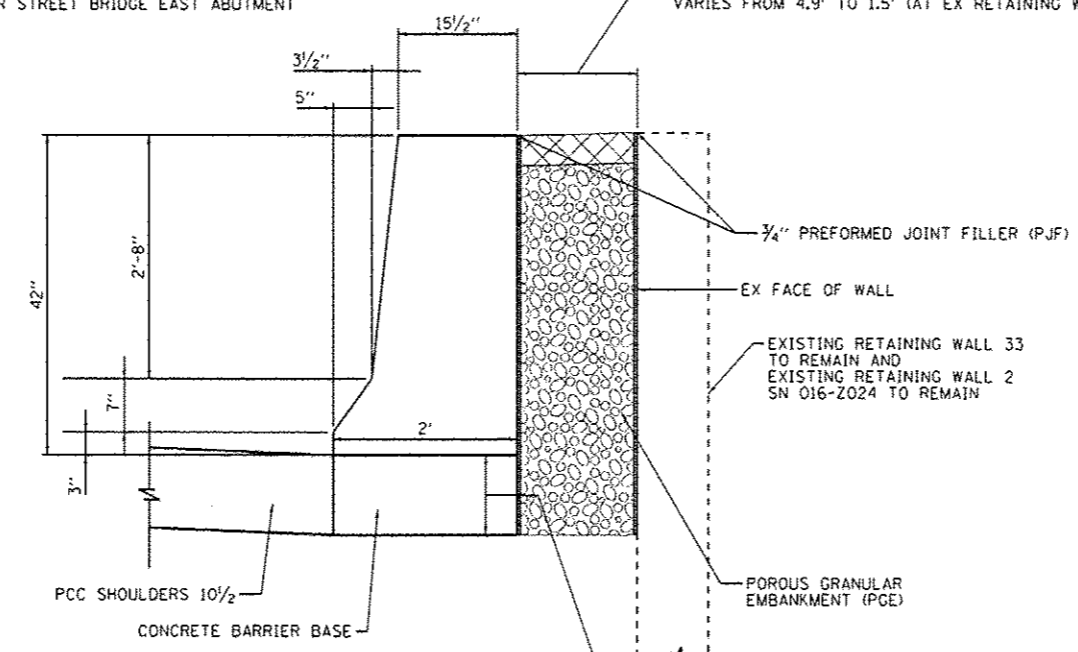


• SEE SHEET 644E FOR ROADWAY DETAIL - CONCRETE BARRIER AT PROPOSED TAYLOR STREET BRIDGE EAST ABUTMENT

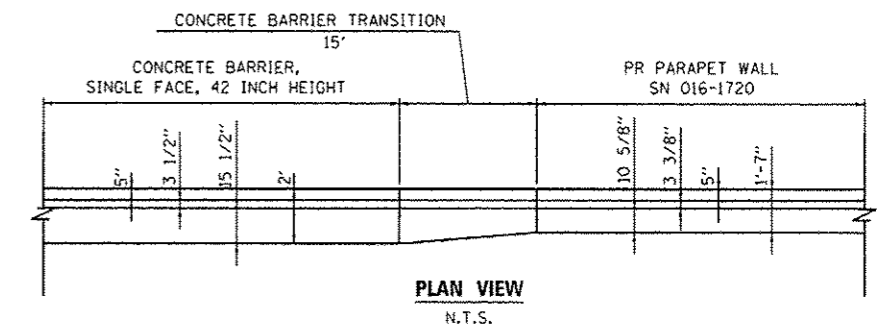
CONC MEDIAN SURF SPL - 4"
VARIES FROM 2.6' TO 3.2' (AT EX RETAINING WALL 33)
VARIES FROM 4.9' TO 1.5' (AT EX RETAINING WALL 2)

NOTES:

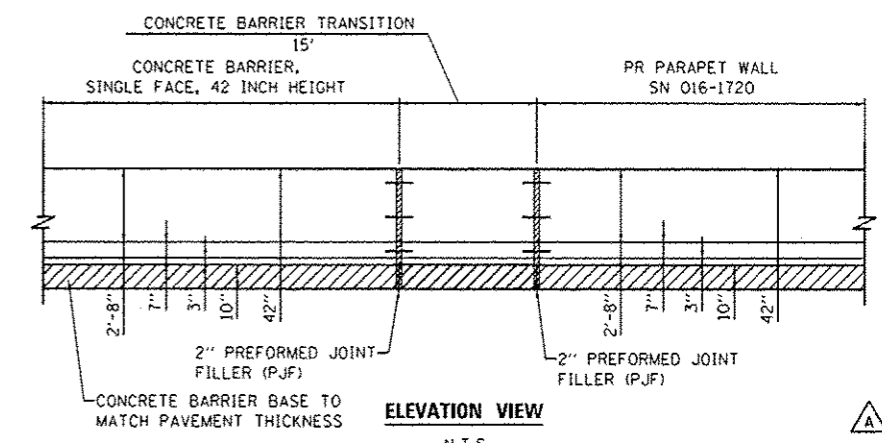
1. EXPANSION JOINTS SHOWN ON THIS DRAWING SHALL BE PERFORMED JOINT MATERIAL (BITUMINOUS TYPE) FILLER AND SHALL MEET AASHTO DESIGNATION M-33.
2. ALL WORK AND MATERIALS DETAILED HEREIN SHALL BE INCLUDED IN THE COST OF THE VARIOUS CONCRETE BARRIER PAY ITEMS UNLESS OTHERWISE NOTED.
3. PREFORMED JOINT FILLER SHALL BE INCLUDED IN THE COST OF CONCRETE BARRIER OR CONCRETE BARRIER TRANSITION.
4. JOINTS SHALL BE CONSTRUCTED AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH ARTICLE 637.08 OF THE STANDARD SPECIFICATIONS
5. TWO VERTICAL EPOXY COATED, NO. 8 TIE BARS, 10" LONG, SHALL BE PLACED STAGGERED FRONT TO BACK OF THE BARRIER WALL AT 48" CENTERS ALONG THE CONCRETE BARRIER TRANSITION. TIE BARS SHALL BE INCLUDED IN THE COST OF CONCRETE BARRIER TRANSITION.
6. HORIZONTAL TIE BARS SHALL BE NO. 6 EPOXY COATED, 24" LONG, 24" C-C AND SHALL BE INCLUDED IN THE COST OF THE BARRIER BASE. HORIZONTAL TIE BARS ARE REQUIRED WHEN PAVEMENT IS PCC.
7. EXPANSION JOINTS SHALL BE CONSTRUCTED IN BARRIER WALL AT MAXIMUM JOINT SPACING OF 90 FEET AND AS SHOWN ON THE PLANS.
8. VERTICAL TIE BARS ARE REQUIRED WHEN CONCRETE BARRIER AND CONCRETE BARRIER BASE ARE NOT POURED MONOLITHICALLY.



SECTION A-A
SCALE: NONE
STA 1806+78.89 TO STA 1807+85.10 (PR @ RAMP NW)
STA 1808+65.57 TO STA 1811+78.25 (PR @ RAMP NW) AND
STA 1812+53.87 TO STA 1816+41.16 (PR @ RAMP NW)



PLAN VIEW
N.T.S.



ELEVATION VIEW
N.T.S.



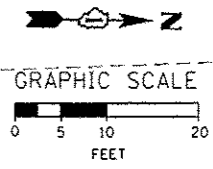
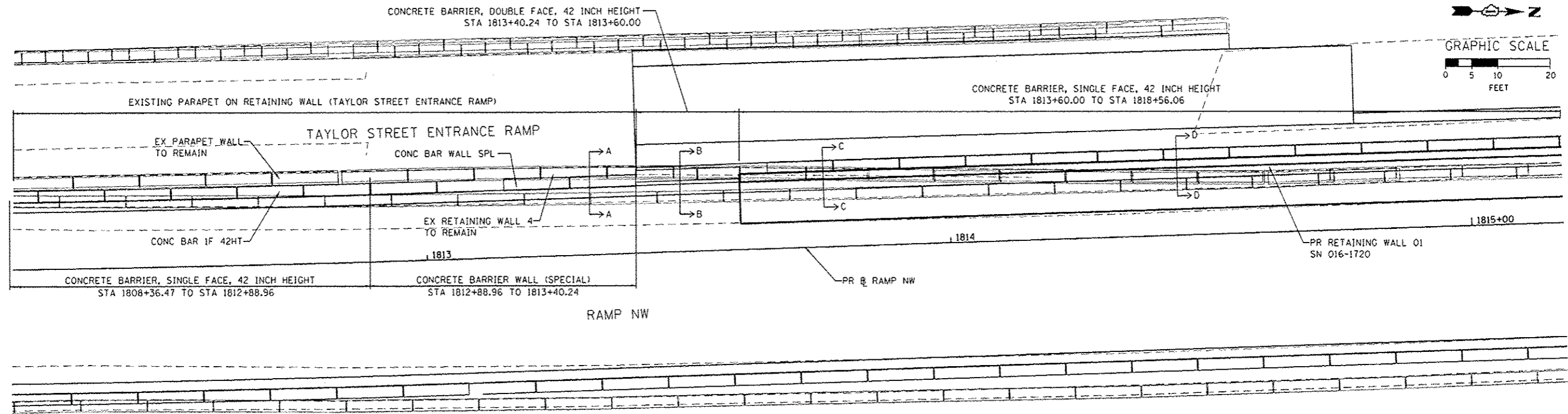
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PLOT SCALE: 20,0000' / in.
PLOT DATE: 5/27/2014

DESIGNED - OPS	REVISED - 5/27/2014
DRAWN - NSA	REVISED -
CHECKED - DBM	REVISED -
DATE - 04/28/14	REVISED -

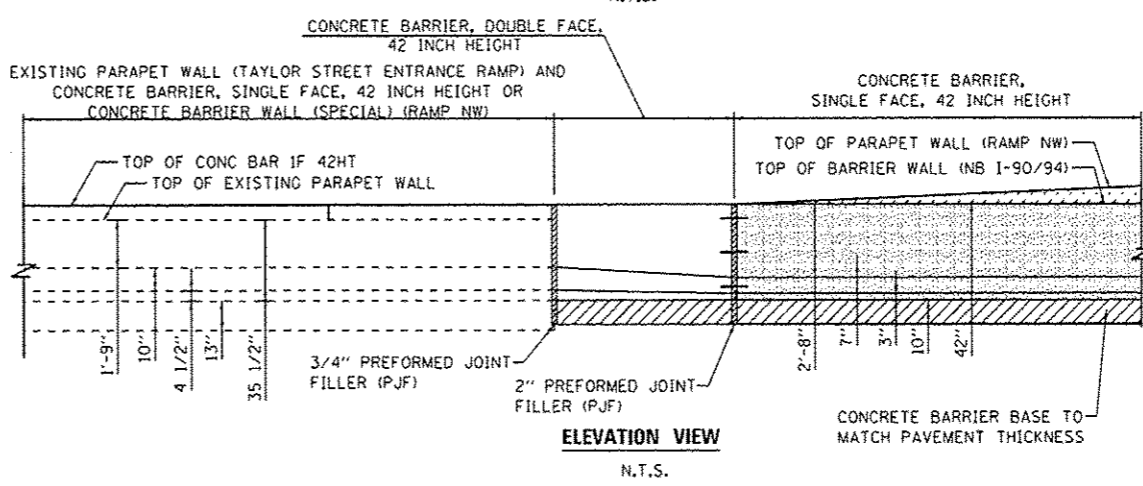
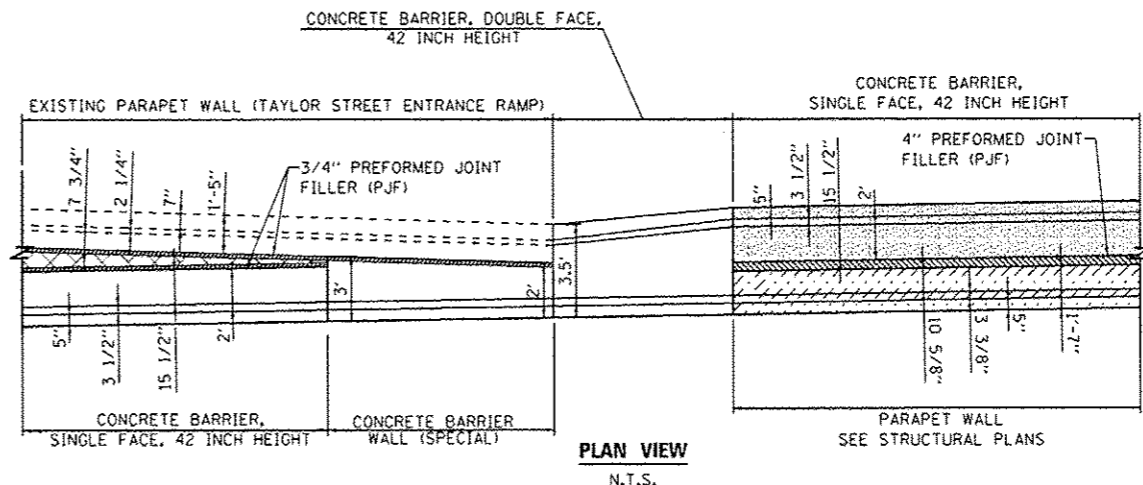
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY DETAILS - CONCRETE BARRIER AT EX RETAINING WALL 33 AND EX RETAINING WALL 2 (SN 016-2024)
SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.L. RTE. 90/94/290	SECTION 2013-010R	COUNTY COOK	TOTAL SHEETS 747	SHEET NO. 644F
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60W28	



- NOTES:**
1. EXPANSION JOINTS SHOWN ON THIS DRAWING SHALL BE PREFORMED JOINT MATERIAL (BITUMINOUS TYPE) FILLER AND SHALL MEET AASHTO DESIGNATION M-33.
 2. ALL WORK AND MATERIALS DETAILED HEREIN SHALL BE INCLUDED IN THE COST OF THE VARIOUS CONCRETE BARRIER PAY ITEMS UNLESS OTHERWISE NOTED.
 3. PREFORMED JOINT FILLER SHALL BE INCLUDED IN THE COST OF OF CONCRETE BARRIER OR CONCRETE BARRIER TRANSITION.
 4. JOINTS SHALL BE CONSTRUCTED AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH ARTICLE 637.08 OF THE STANDARD SPECIFICATIONS
 5. TWO VERTICAL EPOXY COATED, NO. 8 TIE BARS, 10" LONG, SHALL BE PLACED STAGGERED FRONT TO BACK OF THE BARRIER WALL AT 48" CENTERS ALONG THE CONCRETE BARRIER TRANSITION. TIE BARS SHALL BE INCLUDED IN THE COST OF CONCRETE BARRIER TRANSITION.
 6. HORIZONTAL TIE BARS SHALL BE NO. 6 EPOXY COATED, 24" LONG, 24" C-C AND SHALL BE INCLUDED IN THE COST OF THE BARRIER BASE. HORIZONTAL TIE BARS ARE REQUIRED WHEN PAVEMENT IS PCC.
 7. EXPANSION JOINTS SHALL BE CONSTRUCTED IN BARRIER WALL AT MAXIMUM JOINT SPACING OF 90 FEET AND AS SHOWN ON THE PLANS.
 8. VERTICAL TIE BARS ARE REQUIRED WHEN CONCRETE BARRIER AND CONCRETE BARRIER BASE ARE NOT POURED MONOLITHICALLY.



DI60W28-sh1-Detail-04.dgn	DESIGNED - OPS	REVISED - 5/27/2014
USER NAME * pmsarnd	DRAWN - NSA	REVISED -
PLT SCALE * 20.0000' / 1"	CHECKED - DBM	REVISED -
PLT DATE * 5/27/2014	DATE - 04/28/14	REVISED -

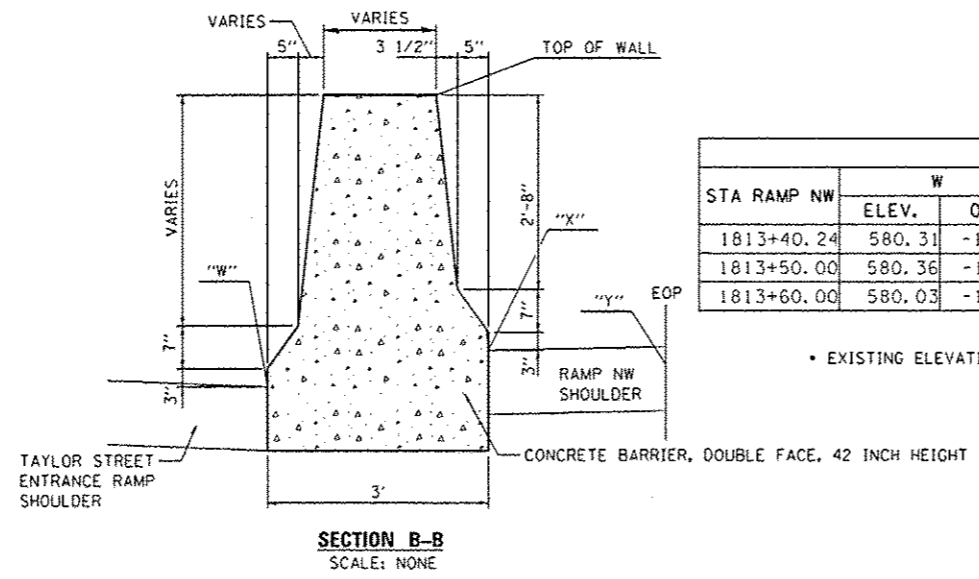
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DRAWN - NSA	REVISED -
CHECKED - DBM	REVISED -
DATE - 04/28/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY DETAILS - CONCRETE BARRIER
AT TAYLOR STREET ENTRANCE RAMP

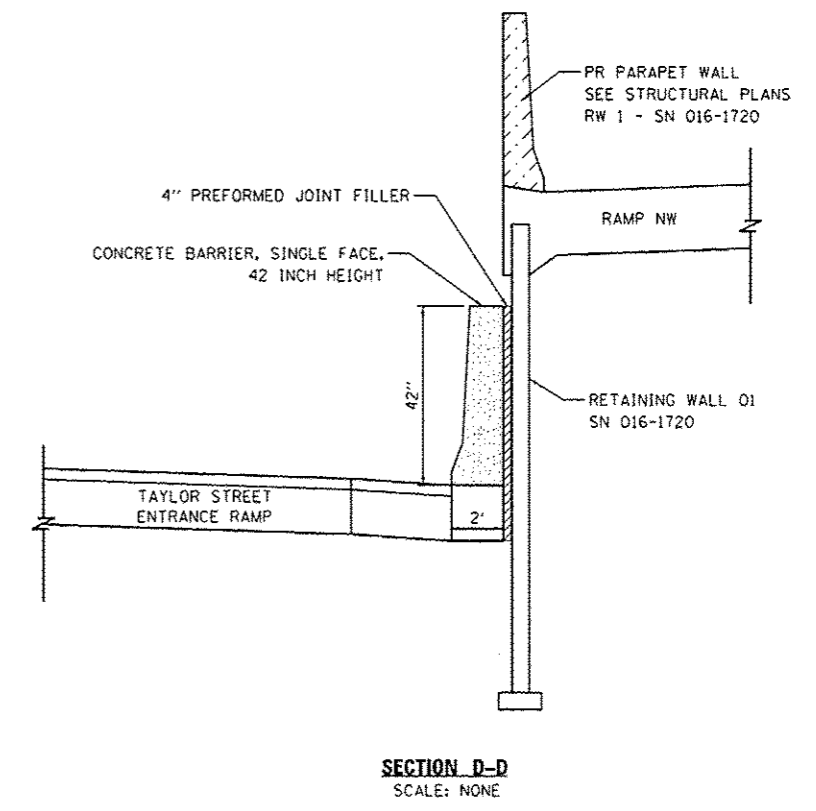
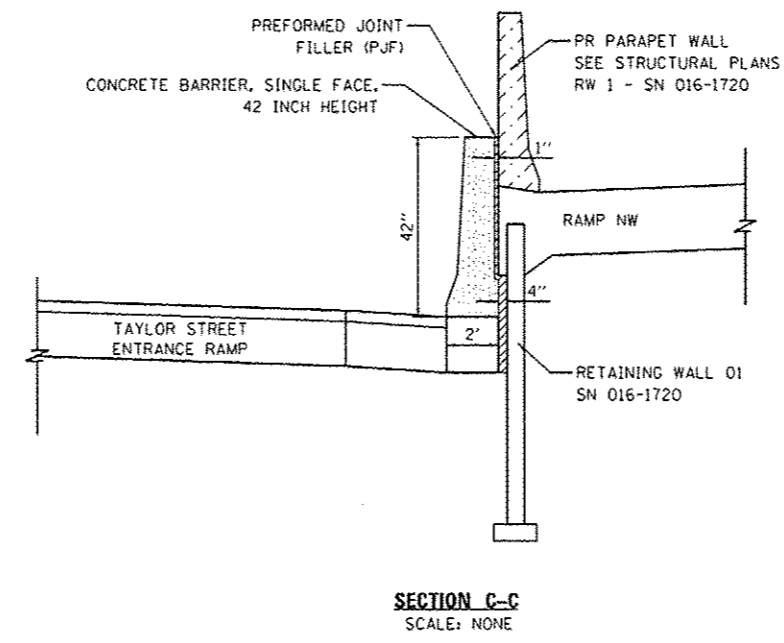
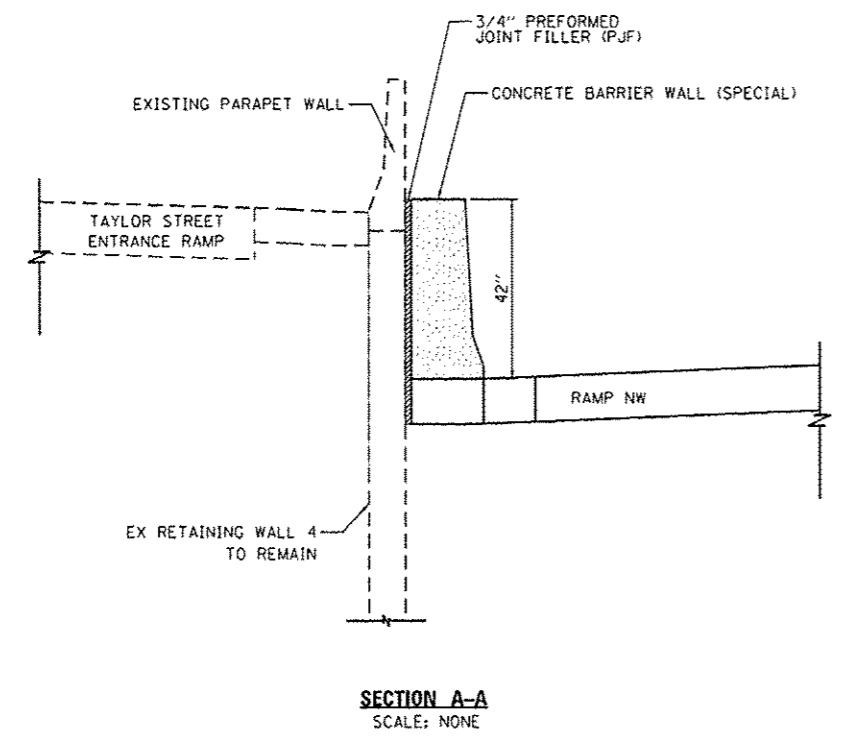
SCALE: N.T.S. SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE. 90/94/290	SECTION 2013-010R	COUNTY COOK	TOTAL SHEETS 747	SHEET NO. 644G
CONTRACT NO. 60W28				
[ILLINOIS] FED. AID PROJECT				



CONCRETE BARRIER, DOUBLE FACE, 42 INCH HEIGHT								
STA RAMP NW	W		X		Y		PGL ELEV.	TOP OF WALL
	ELEV.	O/S	ELEV.	O/S	ELEV.	O/S		
1813+40.24	580.31	-16.50	580.82	-13.00	580.86	-11.00	581.08	584.32
1813+50.00	580.36	-16.54	581.26	-13.00	581.30	-11.00	581.52	584.76
1813+60.00	580.03	-16.58	581.66	-13.00	581.70	-11.00	581.92	585.16

• EXISTING ELEVATIONS TO BE VERIFIED IN THE FIELD



DIB0428-ent-Detail-04A.dgn
 USER NAME : Alizadeh
 PLOT SCALE : 20.0000' / in.
 PLOT DATE : 5/27/2014

DESIGNED - OPS
 DRAWN - NSA
 CHECKED - DBM
 DATE - 04/28/14

REVISED - 5/27/2014
 REVISED -
 REVISED -
 REVISED -

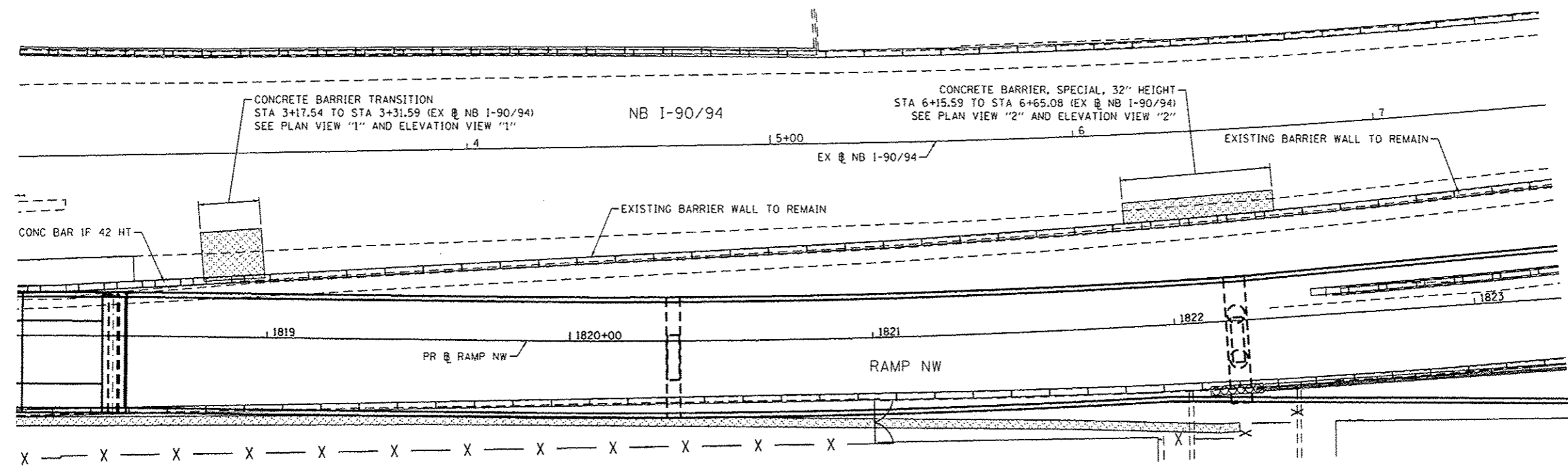
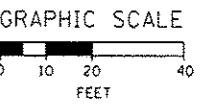
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ROADWAY DETAILS - CONCRETE BARRIER
 AT TAYLOR STREET ENTRANCE RAMP

SCALE: N.T.S. SHEET 1 OF 2 SHEETS STA. TO STA.

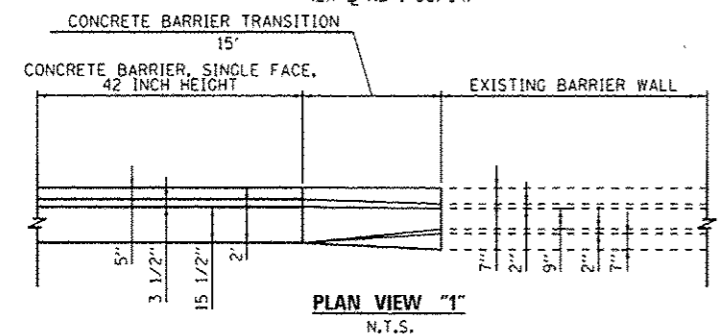
F.A.I. RTE. 90/94/290	SECTION 2013-010R	COUNTY COOK	TOTAL SHEETS 747	SHEET NO. 644H
CONTRACT NO. 60W28				
[ILLINOIS] FED. AID PROJECT				





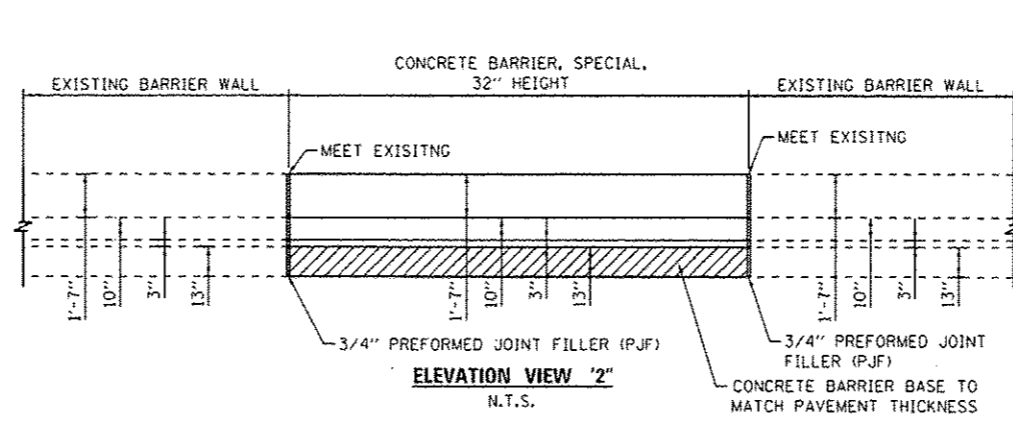
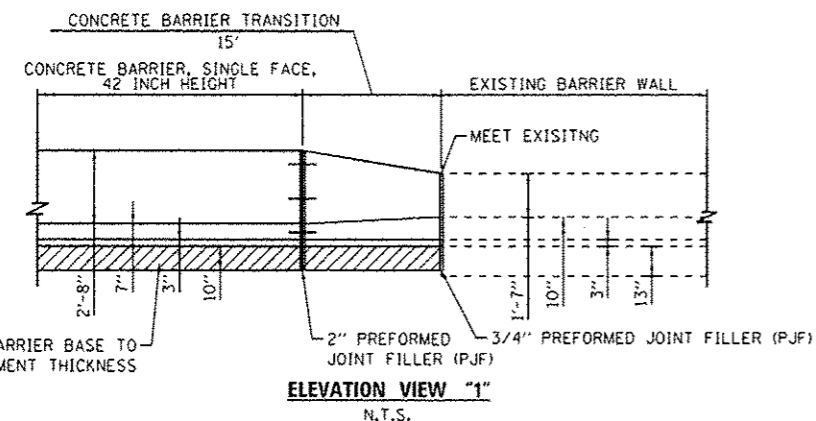
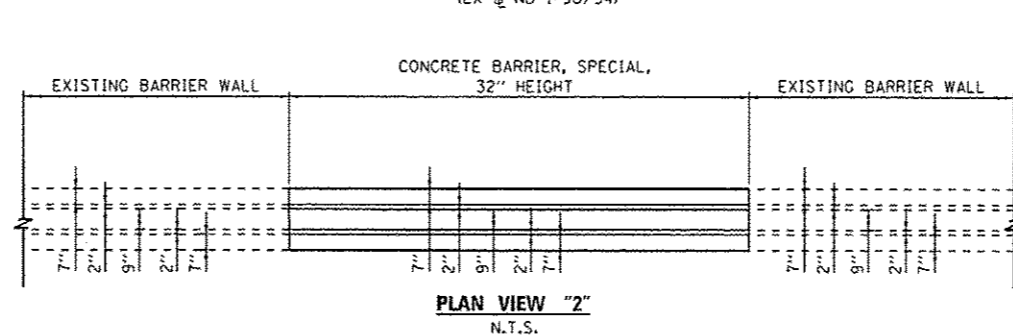
**CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT
AT NB I-90/94**

STA 3+17.54 TO STA 3+31.59
(EX @ NB I-90/94)



**CONCRETE BARRIER, SPECIAL, 32" HEIGHT
AT NB I-90/94**

STA 6+15.59 TO STA 6+65.08
(EX @ NB I-90/94)



NOTES:

1. EXPANSION JOINTS SHOWN ON THIS DRAWING SHALL BE PERFORMED JOINT MATERIAL (BITUMINOUS TYPE) FILLER AND SHALL MEET AASHTO DESIGNATION M-33.
2. ALL WORK AND MATERIALS DETAILED HEREIN SHALL BE INCLUDED IN THE COST OF THE VARIOUS CONCRETE BARRIER PAY ITEMS UNLESS OTHERWISE NOTED.
3. PREFORMED JOINT FILLER SHALL BE INCLUDED IN THE COST OF OF CONCRETE BARRIER OR CONCRETE BARRIER TRANSITION.
4. JOINTS SHALL BE CONSTRUCTED AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH ARTICLE 637.08 OF THE STANDARD SPECIFICATIONS
5. TWO VERTICAL EPOXY COATED, NO. 8 TIE BARS, 10" LONG, SHALL BE PLACED STAGGERED FRONT TO BACK OF THE BARRIER WALL AT 48" CENTERS ALONG THE CONCRETE BARRIER TRANSITION. TIE BARS SHALL BE INCLUDED IN THE COST OF CONCRETE BARRIER TRANSITION.
6. HORIZONTAL TIE BARS SHALL BE NO. 6 EPOXY COATED, 24" LONG, 24" C-C AND SHALL BE INCLUDED IN THE COST OF THE BARRIER BASE. HORIZONTAL TIE BARS ARE REQUIRED WHEN PAVEMENT IS PCC.
7. EXPANSION JOINTS SHALL BE CONSTRUCTED IN BARRIER WALL AT MAXIMUM JOINT SPACING OF 90 FEET AND AS SHOWN ON THE PLANS.
8. VERTICAL TIE BARS ARE REQUIRED WHEN CONCRETE BARRIER AND CONCRETE BARRIER BASE ARE NOT POURED MONOLITHICALLY.



D:\68\28-sh1-Detail-05.dgn	DESIGNED - OPS	REVISED - 5/27/2014
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PLOT SCALE = 48.0000' / 1"	CHECKED - DBM	REVISED -
PLOT DATE = 5/27/2014	DATE - 04/28/14	REVISED -

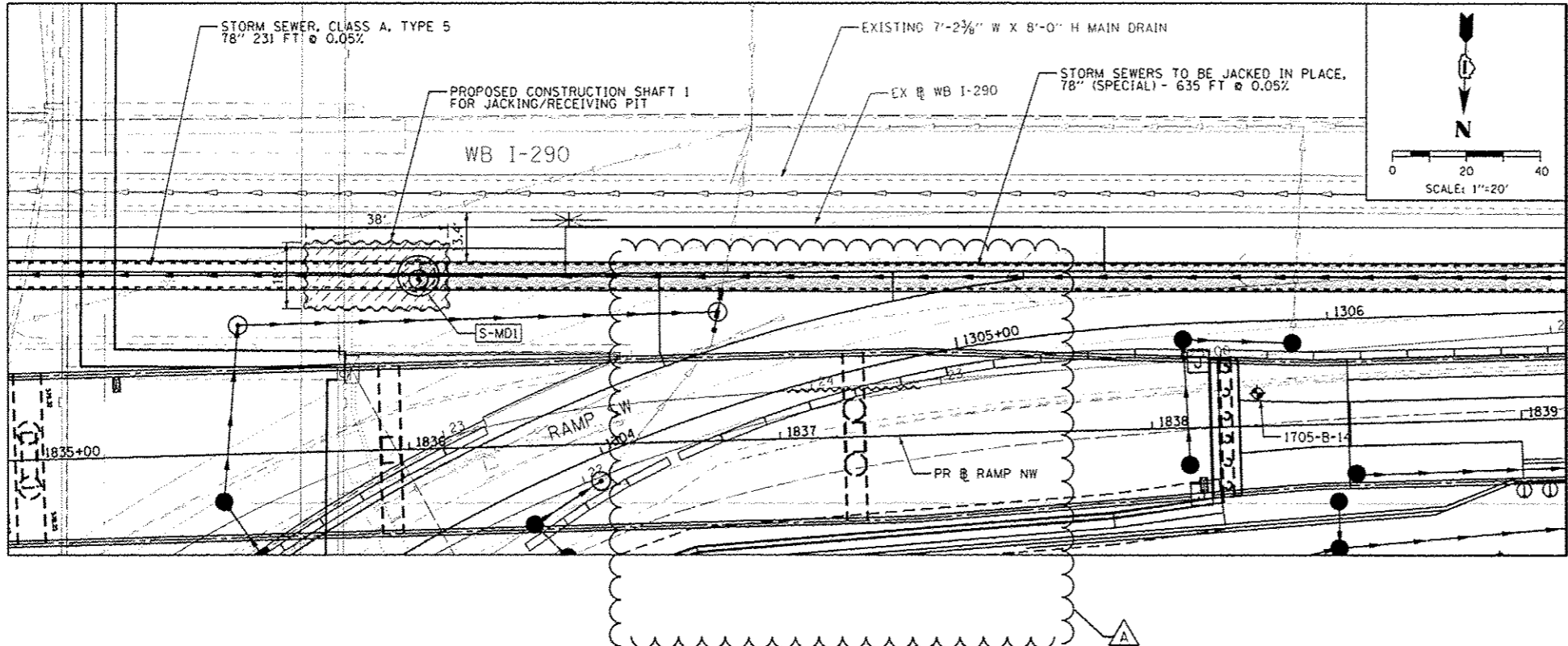
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY DETAILS - CONCRETE BARRIER AT NB I-90/94

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-010R	COOK	747	6441
CONTRACT NO. GOW28			ILLINOIS FED. AID PROJECT	

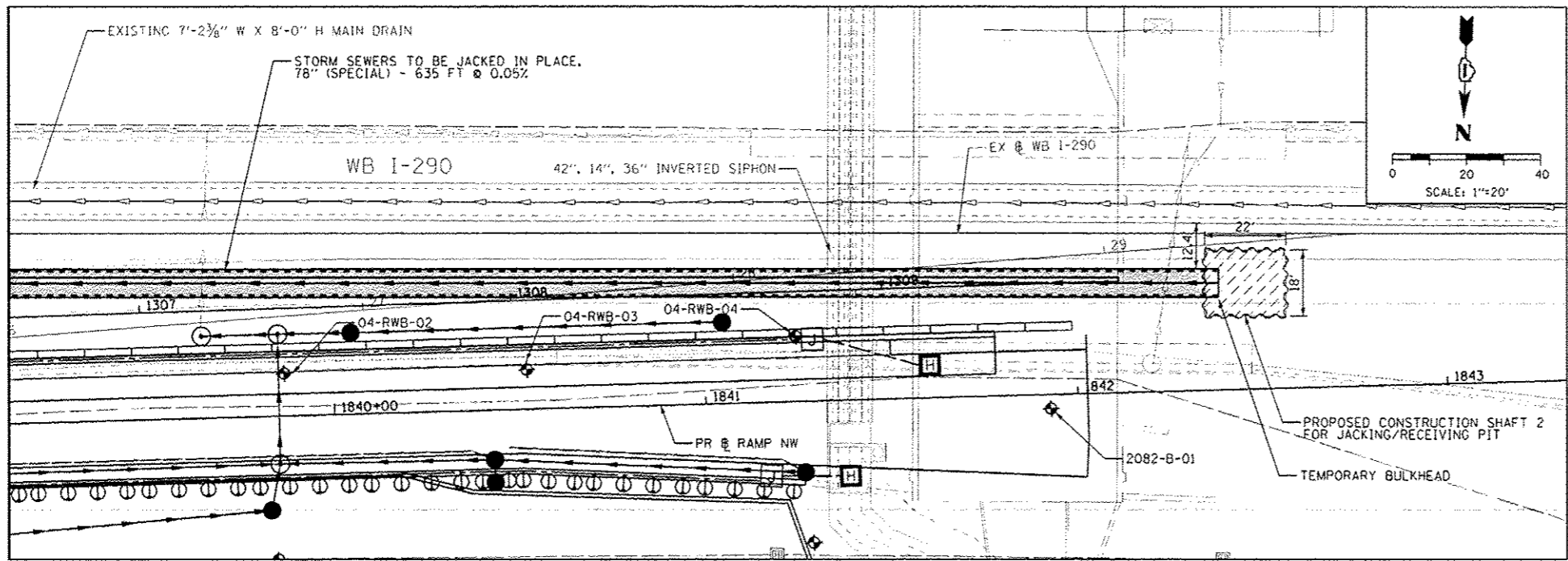
FILE PATH: J:\AS\28803\Drawings\60W28\60W28-1-D-Drain-Detail.dwg
 Project: I-90/94/290, Section: 2013-010R, County: Cook, Contract: 60W28
 User: xof@arad.com, Date: 5/27/2014



MATCHLINE SEE BELOW

NOTES:

- TUNNELING OPERATIONS SHALL BE PERFORMED DURING MOT STAGE 3B-2.
- REFER TO STRUCTURAL PLANS FOR SOIL BORING INFORMATION.



MATCHLINE SEE ABOVE



60W28-1-D-Drain-Detail.dwg
 USER NAME: xof@arad.com
 PLOT SCALE: 48.0000 / in.
 PLOT DATE: 5/27/2014

DESIGNED - DMS	REVISED - 5/27/2014
DRAWN - DMS	REVISED -
CHECKED - EEE	REVISED -
DATE - 04/28/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE DETAILS

SCALE: 1"=20' SHEET 1 OF 2 SHEETS STA. TO STA.

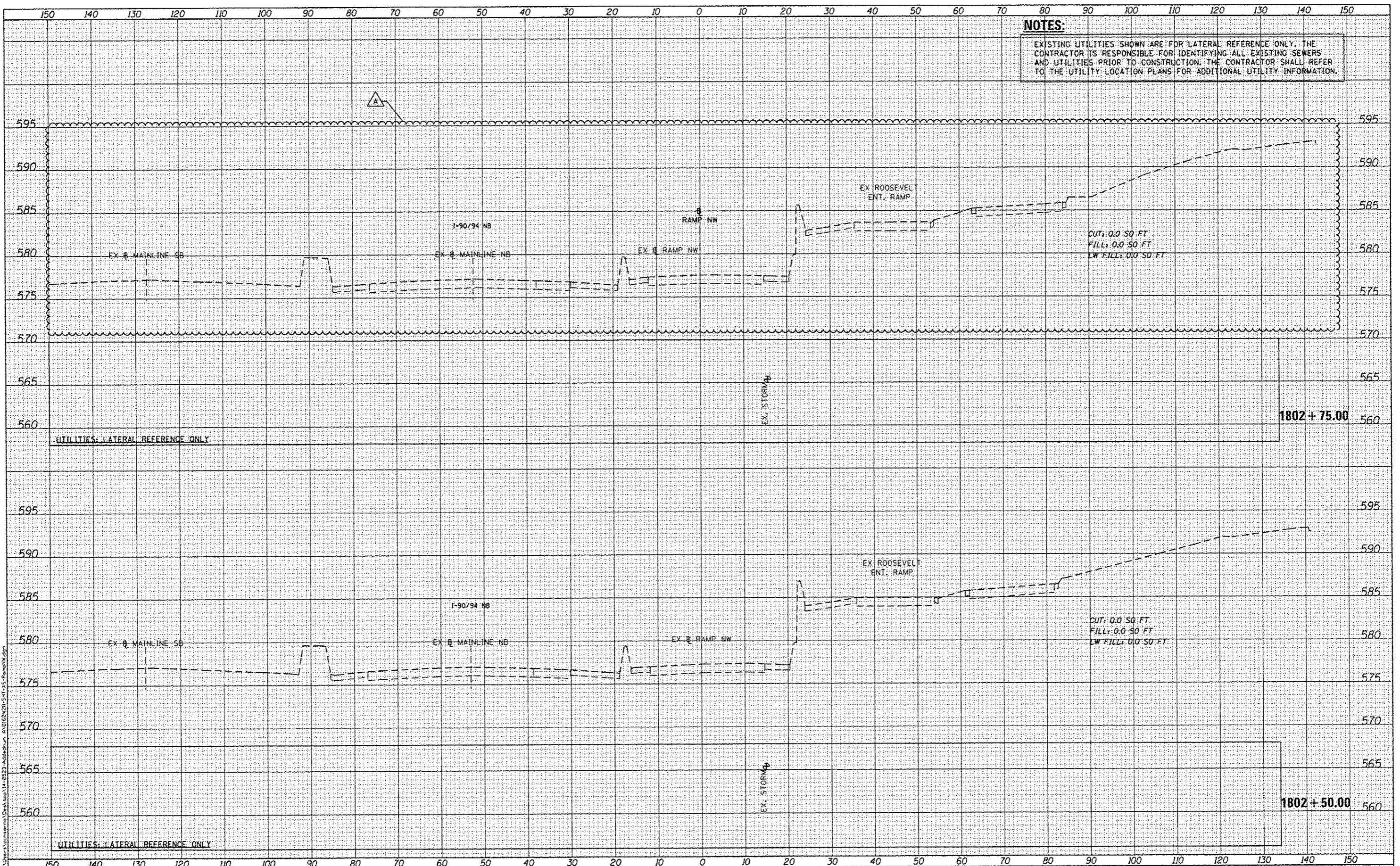
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-010R	COOK	747	645
CONTRACT NO. 60W28				
ILLINOIS FED. AID PROJECT				

NOTES:

EXISTING UTILITIES SHOWN ARE FOR LATERAL REFERENCE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING ALL EXISTING SEWERS AND UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL REFER TO THE UTILITY LOCATION PLANS FOR ADDITIONAL UTILITY INFORMATION.

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DESIGNED - KAM	REVISED - 5/27/2014
DRAWN - KAM	REVISED -
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DATE - 04/28/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
RAMP NW**

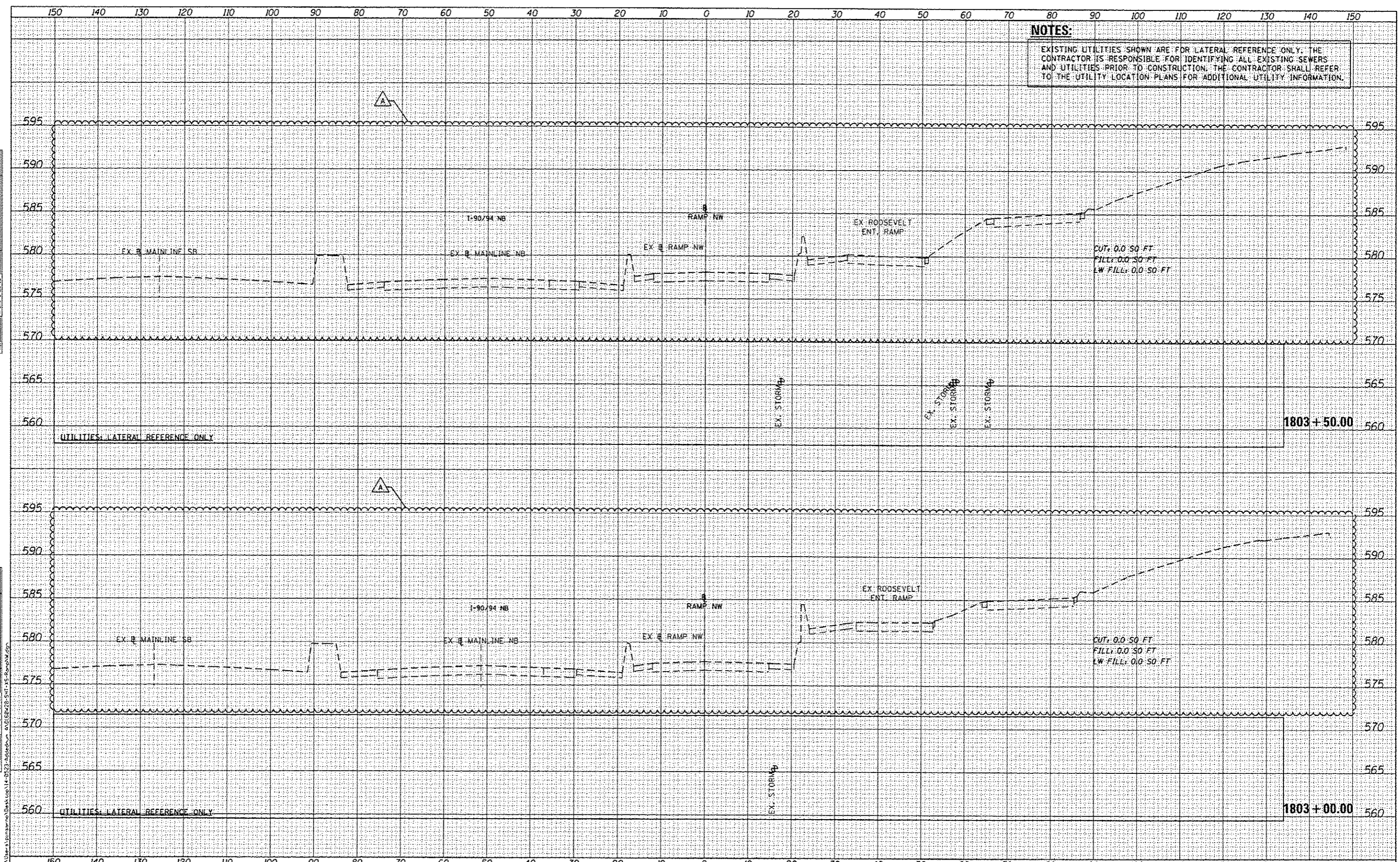
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SHEET 01 OF 51 SHEETS
STA. 1802+50.00 TO STA. 1802+75.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-010R	COOK	147	646
CONTRACT NO. 60W28			ILLINOIS FED. AID PROJECT	

NOTES:
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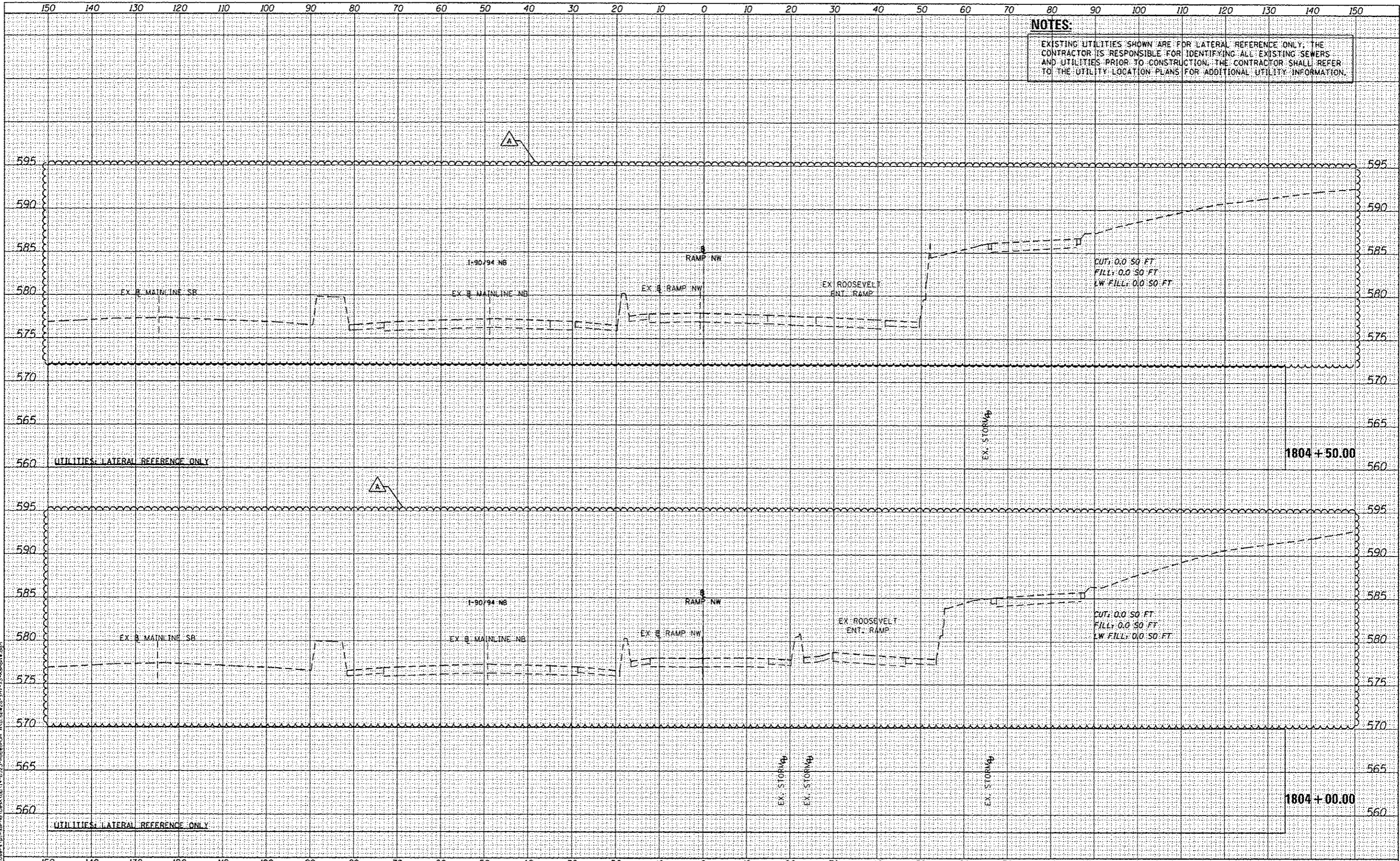
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AECOM 303 EAST WACKER DRIVE, SUITE 1400 CHICAGO, IL 60601-3274 PHONE: (312) 373-1700 FAX: (312) 373-6800	DIEBEN20-SHT-15-RampNW.dgn USER NAME: pmsar-nq PLOT SCALE: 1/8" = 1'-0" PLOT DATE: 5/23/2014	DESIGNED - KAM DRAWN - KAM CHECKED - KCF DATE - 04/28/14	REVISED - 5/27/2014 REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS RAMP NW SCALE: 1/8" = 1'-0" SHEET 02 OF 51 SHEETS STA. 1803+00.00 TO STA. 1803+50.00	F.A.I. RTE. 90/94/290 SECTION 2013-010R COUNTY COOK TOTAL SHEETS 747 SHEET NO. 647 CONTRACT NO. 60W28 ILLINOIS FED. AID PROJECT
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NOTES:
 EXISTING UTILITIES SHOWN ARE FOR LATERAL REFERENCE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING ALL EXISTING SEWERS AND UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL REFER TO THE UTILITY LOCATION PLANS FOR ADDITIONAL UTILITY INFORMATION.



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DIG0428-SHT-NW-Ramp.dgn
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 PLOT SCALE: 20.0000' / 1" = 100'
 PLOT DATE: 5/23/2014

DESIGNED	- KAM	REVISED	- 5/27/2014
DRAWN	- KAM	REVISED	-
CHECKED	- KCF	REVISED	-
DATE	- 04/28/14	REVISED	-

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

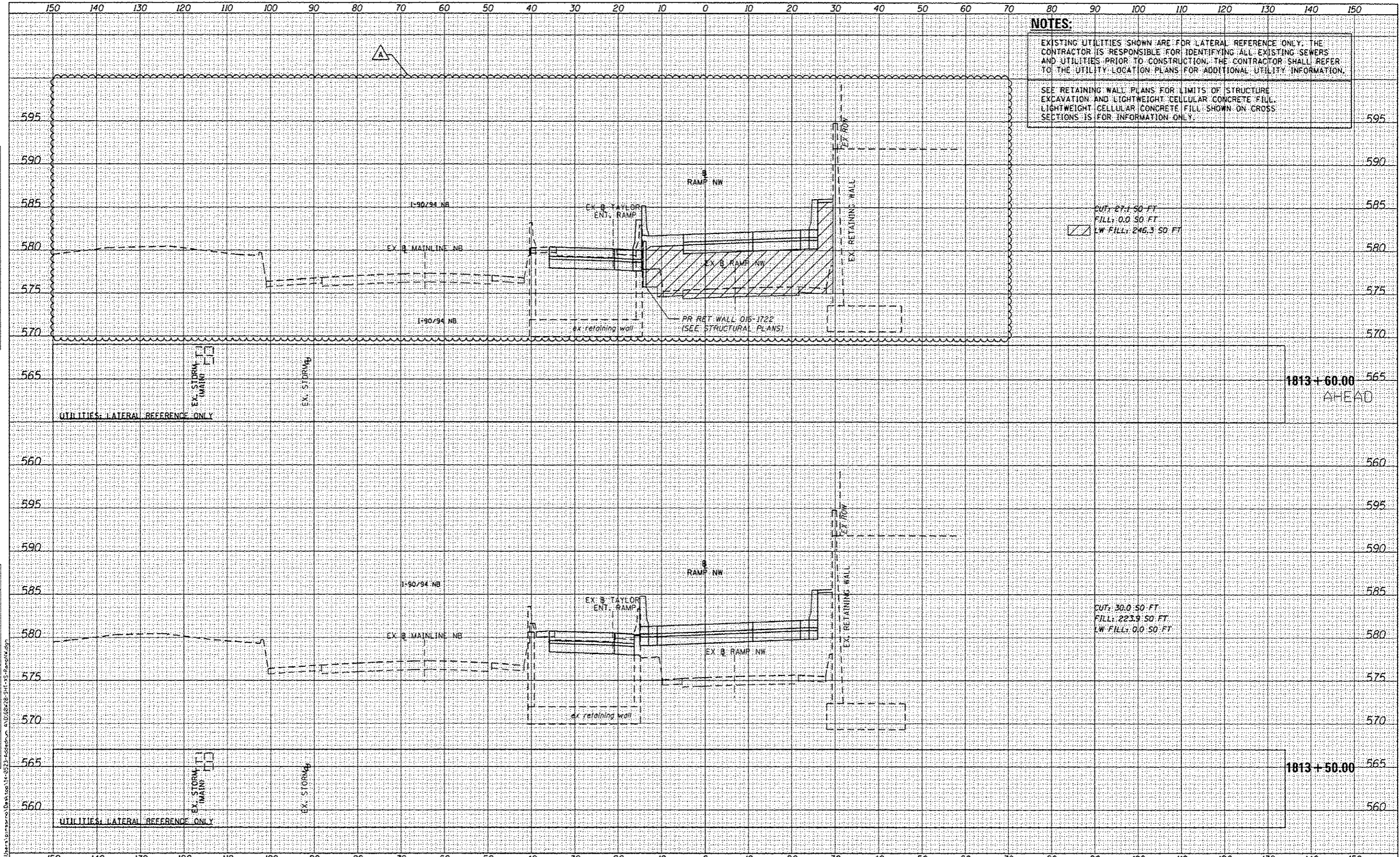
CROSS SECTIONS
 RAMP NW

SCALE: 1"=50.00' SHEET 03 OF 51 SHEETS STA. 1804+00.00 TO STA. 1804+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-010R	COOK	747	648
CONTRACT NO. 60W28			ILLINOIS FED. AID PROJECT	

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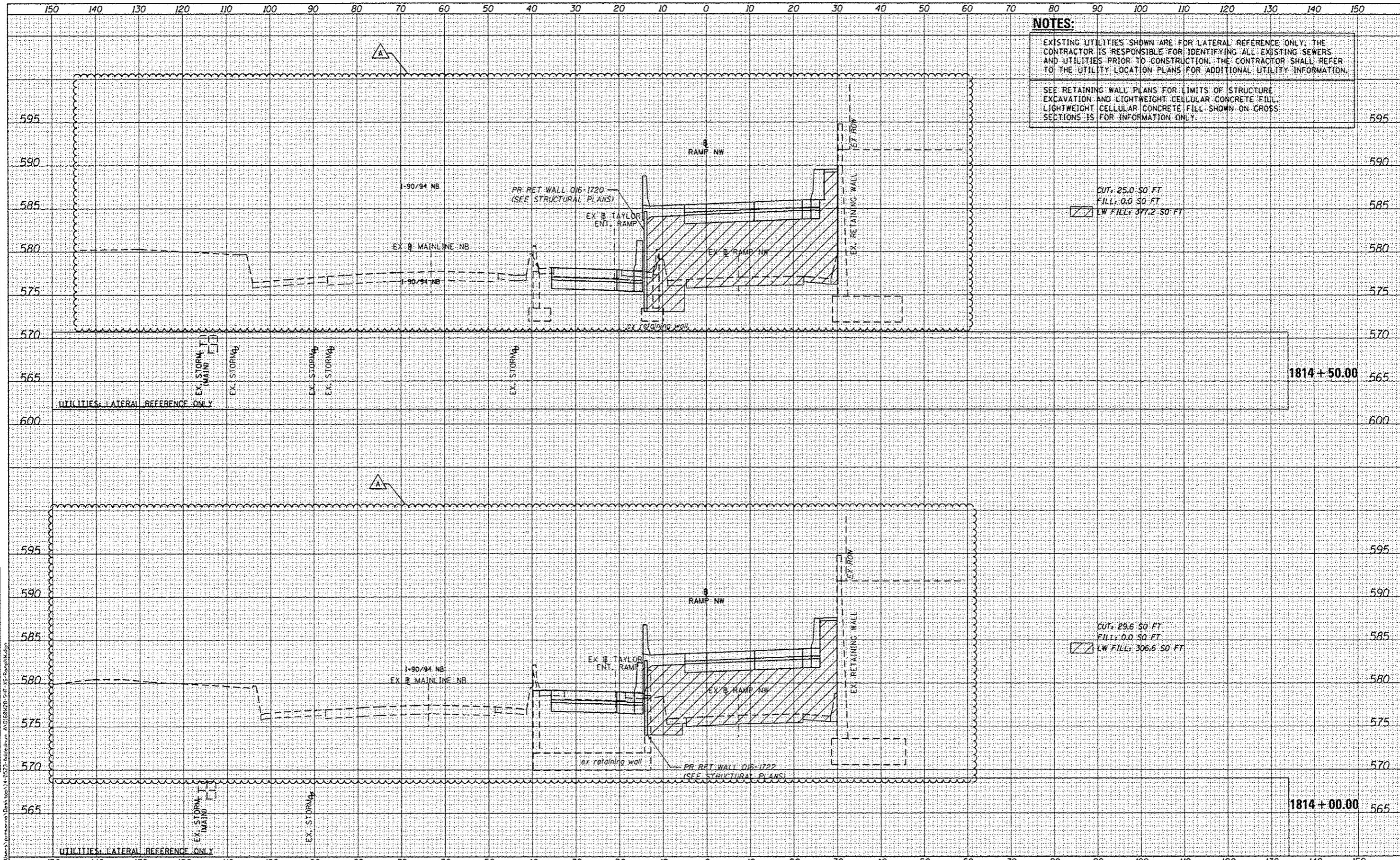
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NOTES:
 EXISTING UTILITIES SHOWN ARE FOR LATERAL REFERENCE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING ALL EXISTING SEWERS AND UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL REFER TO THE UTILITY LOCATION PLANS FOR ADDITIONAL UTILITY INFORMATION.
 SEE RETAINING WALL PLANS FOR LIMITS OF STRUCTURE EXCAVATION AND LIGHTWEIGHT CELLULAR CONCRETE FILL. LIGHTWEIGHT CELLULAR CONCRETE FILL SHOWN ON CROSS SECTIONS IS FOR INFORMATION ONLY.

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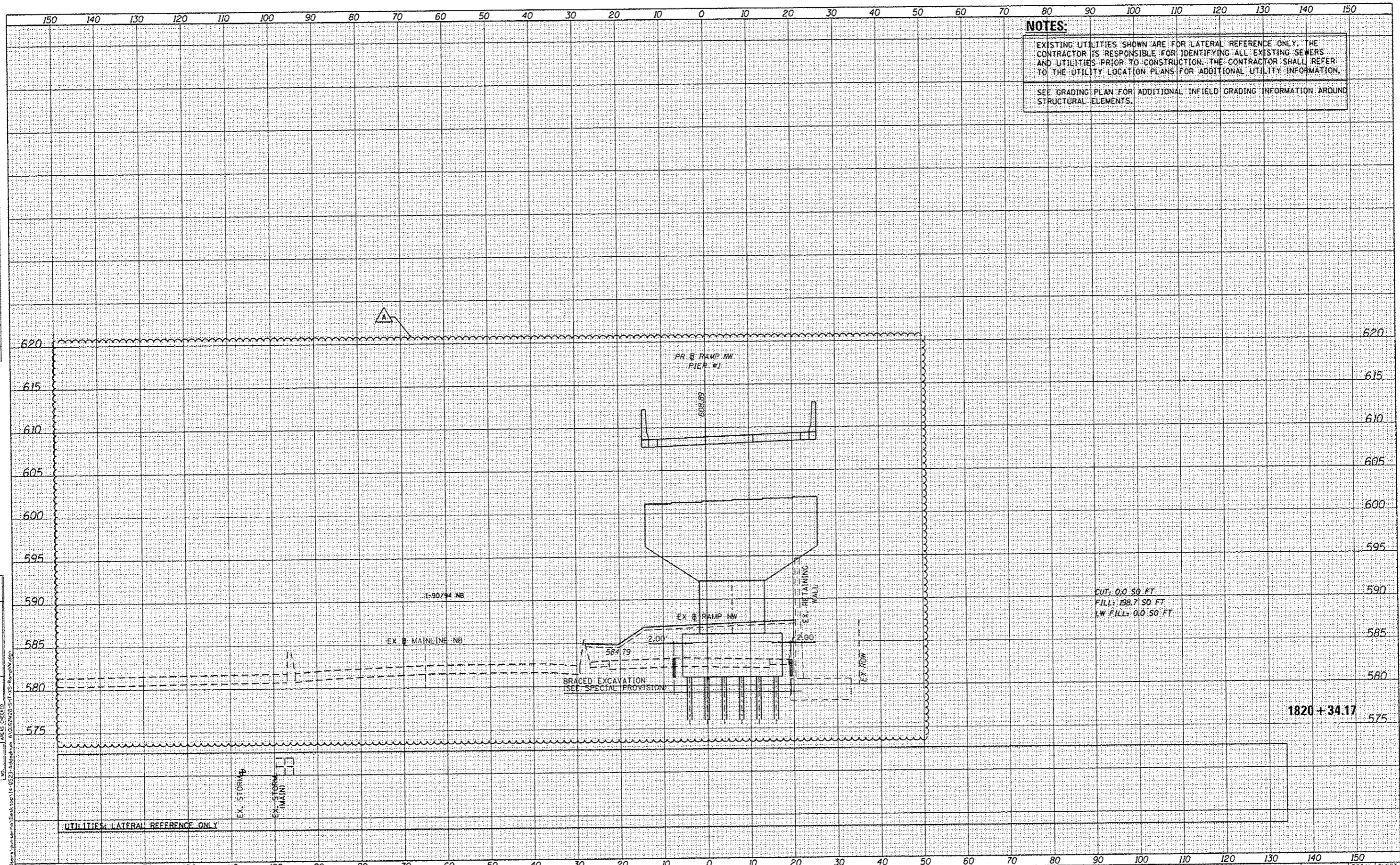
NOTES:

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SEE GRADING PLAN FOR ADDITIONAL INFIELD GRADING INFORMATION AROUND STRUCTURAL ELEMENTS.

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DRAWN - KAM	REVISED -
CHECKED - KCF	REVISED -
DATE - 04/28/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS	
RAMP NW	
SCALE: 1:5V:1:0H	SHEET 23 OF 51 SHEETS
STA. 1820+34.17 TO STA. 1820+34.17	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-010R	COOK	747	668
CONTRACT NO. 60W28			ILLINOIS FED. AID PROJECT	

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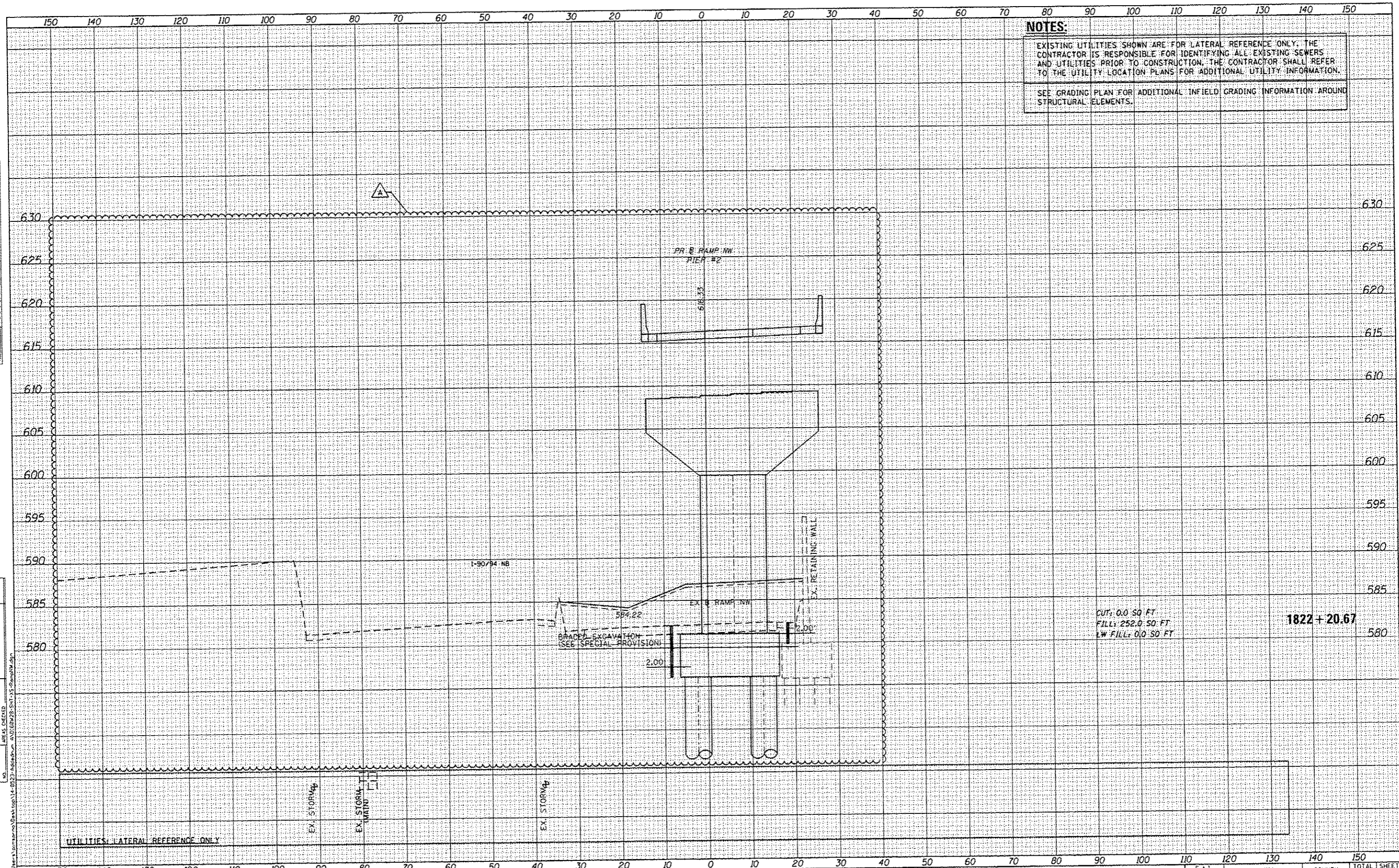
NOTES:

EXISTING UTILITIES SHOWN ARE FOR LATERAL REFERENCE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING ALL EXISTING SEWERS AND UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL REFER TO THE UTILITY LOCATION PLANS FOR ADDITIONAL UTILITY INFORMATION.

SEE GRADING PLAN FOR ADDITIONAL INFIELD GRADING INFORMATION AROUND STRUCTURAL ELEMENTS.

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CUT: 0.0 SQ. FT.
 FILL: 252.0 SQ. FT.
 LW FILL: 0.0 SQ. FT.

1822+20.67



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 PLOT SCALE: 20.0000 / in.
 PLOT DATE: 5/23/2014

DESIGNED - KAM
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 DATE - 04/28/14

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 RAMP NW

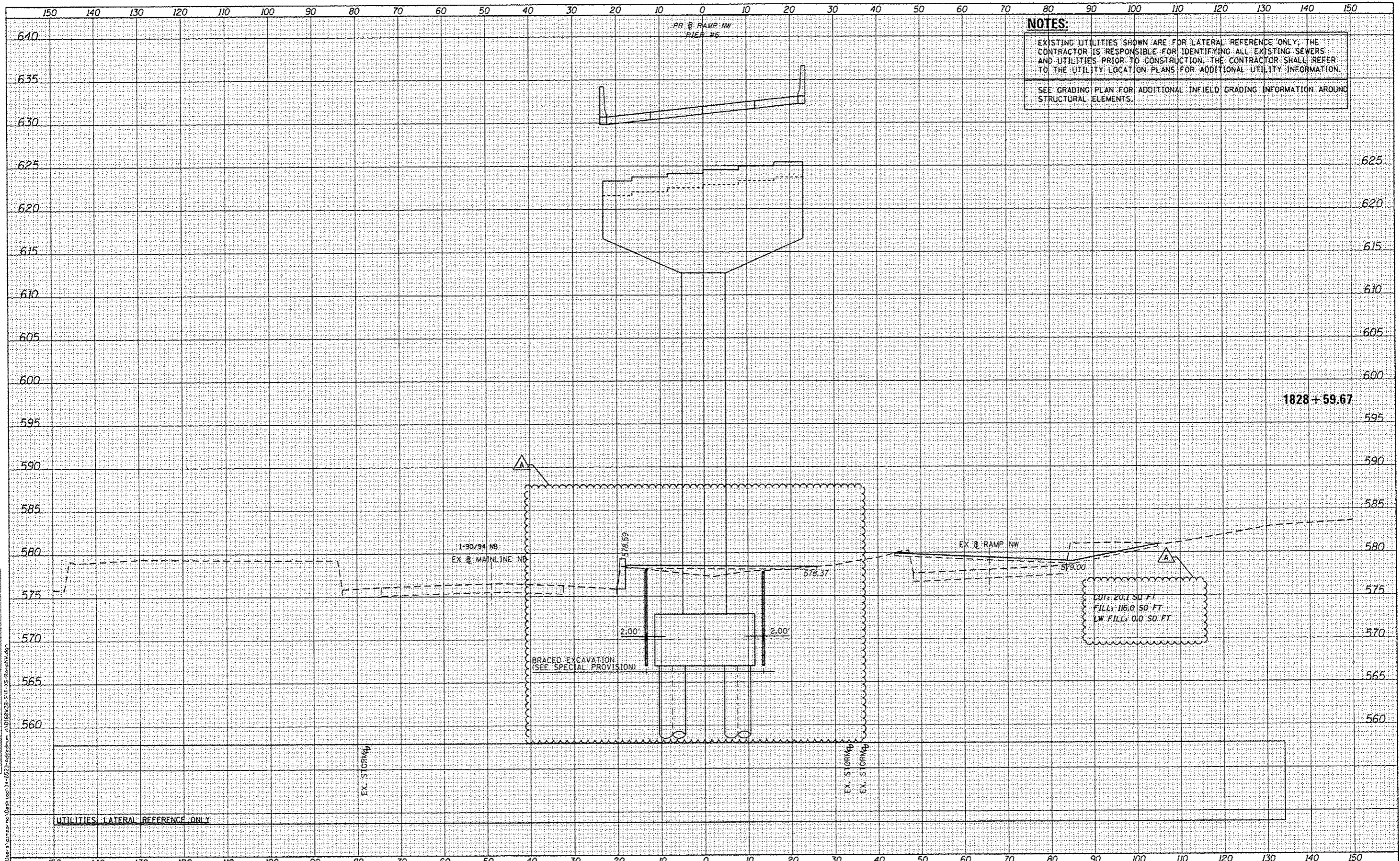
SCALE: 1:5V, 1:10H SHEET 25 OF 51 SHEETS STA. 1822+20.67 TO STA. 1822+20.67

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-DIOR	COOK	147	610
CONTRACT NO. 60W28			ILLINOIS FED. AID PROJECT	

FILE Path: C:\Users\pmsrno\Desktop\14-0523-1822+20.67.dwg

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 SEE GRADING PLAN FOR ADDITIONAL INFIELD GRADING INFORMATION AROUND STRUCTURAL ELEMENTS.

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0160W28-SHT-XS-RampNW.dwg
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 PLOT DATE: 5/23/2014

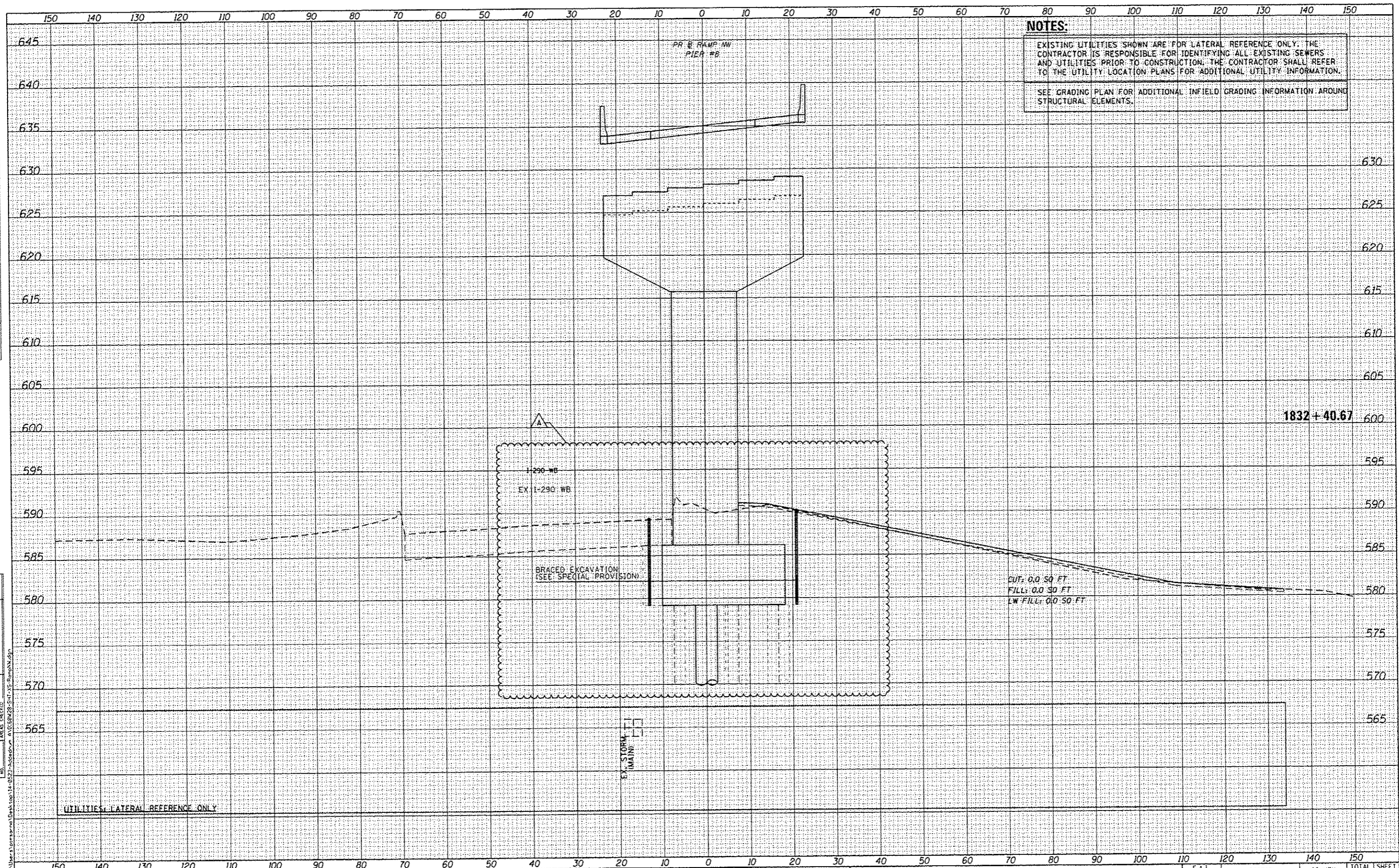
DESIGNED	- KAM	REVISED	- 5/27/2014
DRAWN	- KAM	REVISED	-
CHECKED	- KCF	REVISED	-
DATE	- 04/28/14	REVISED	-

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 RAMP NW

SCALE: 1:5V, 1:10H SHEET 29 OF 51 SHEETS STA. 1828+59.67 TO STA. 1828+59.67

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-010R	COOK	747	674
CONTRACT NO. 60W28			ILLINOIS FED. AID PROJECT	



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 SEE GRADING PLAN FOR ADDITIONAL INFIELD GRADING INFORMATION AROUND STRUCTURAL ELEMENTS.

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DIGW28-SHT-XS-RampNW.dgn
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 PLOT SCALE: 20.0000 / 1" = 20.0000'
 PLOT DATE: 5/23/2014

DESIGNED - KAM	REVISED - 5/27/2014
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CHECKED - KCF	REVISED -
DATE - 04/28/14	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

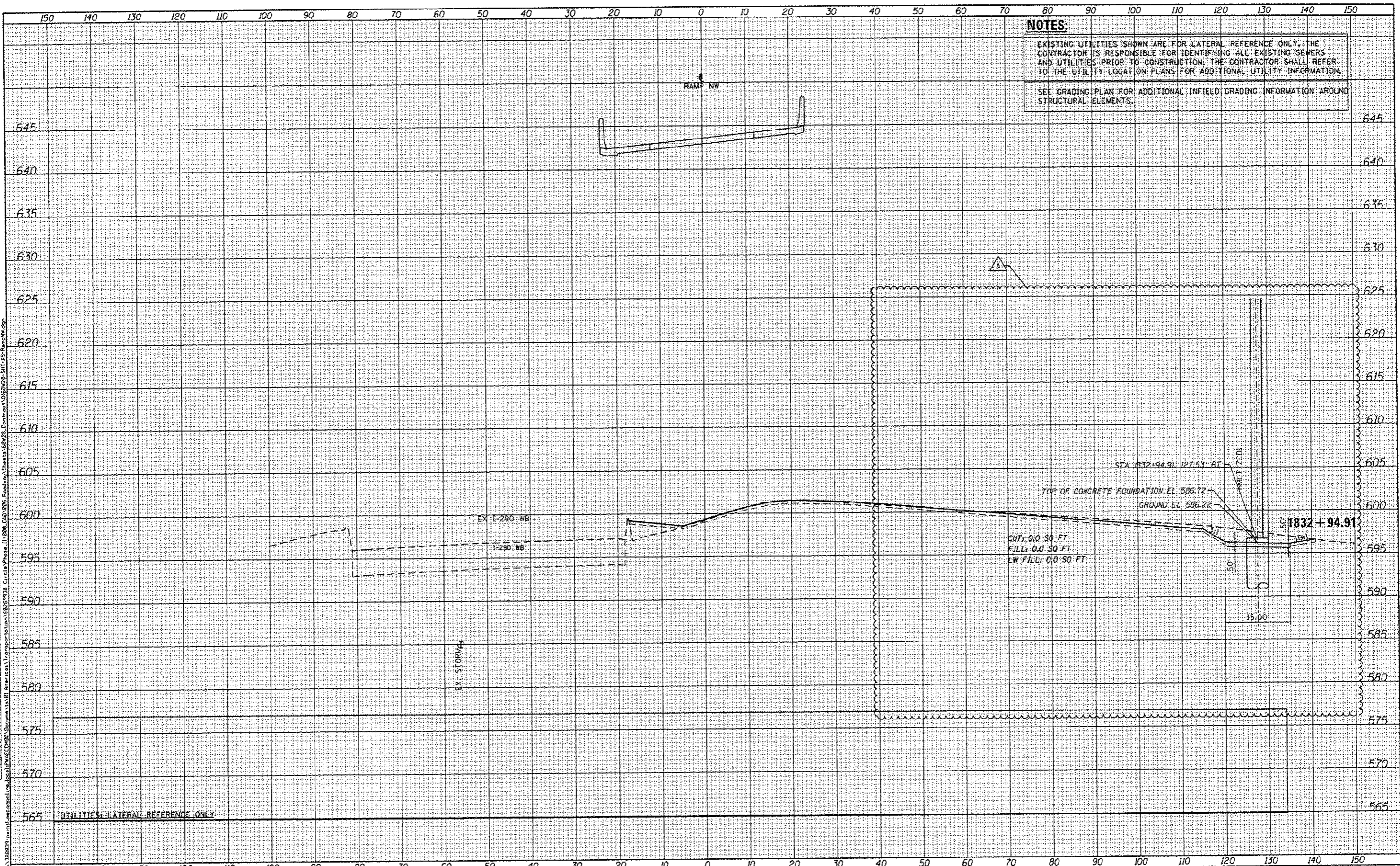
CROSS SECTIONS
 RAMP NW

SCALE: 1:5V, 1:10H SHEET 31 OF 51 SHEETS STA. 1832+40.67 TO STA. 1832+40.67

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-010R	COOK	747	676
CONTRACT NO. 60W28			ILLINOIS FED. AID PROJECT	

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 SEE GRADING PLAN FOR ADDITIONAL INFIELD GRADING INFORMATION AROUND STRUCTURAL ELEMENTS.

AECOM
 303 EAST WACKER DRIVE, SUITE 1400
 CHICAGO, IL 60601-5716
 PHONE: (312) 313-7100 FAX: (312) 313-6800

DESIGNED - KAM	REVISED - 5/27/2014
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DATE - 04/28/14	REVISED -

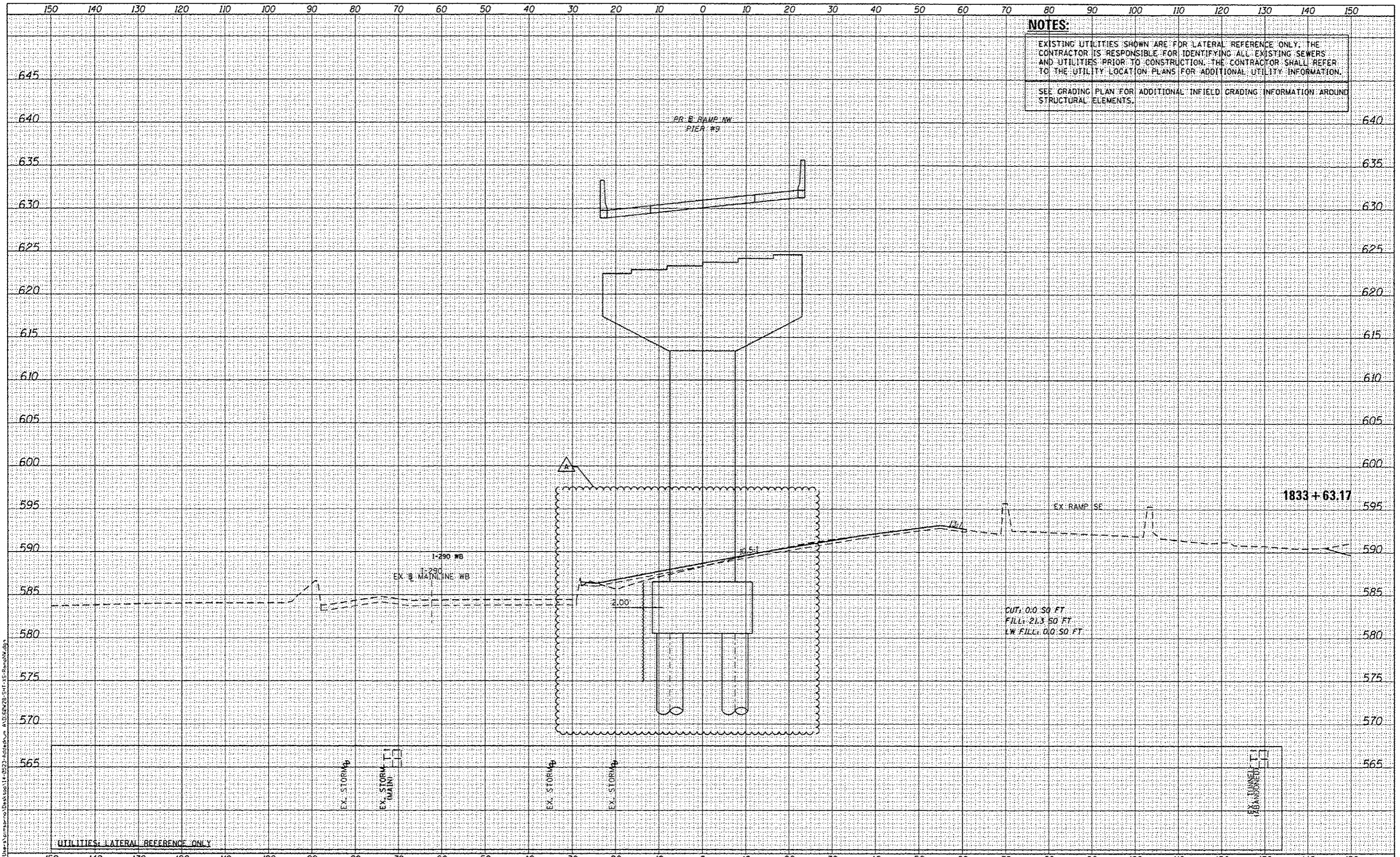
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
RAMP NW
 SCALE: 1:5V, 1:10H SHEET 32 OF 51 SHEETS STA. 1832+94.91 TO STA. 1832+94.91

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-010R	COOK	747	677
CONTRACT NO. 60W28				
ILLINOIS FED. AID PROJECT				

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 SEE GRADING PLAN FOR ADDITIONAL INFIELD GRADING INFORMATION AROUND STRUCTURAL ELEMENTS.

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DRAWN	KAM
CHECKED	KCF
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REVISION	5/27/2014
USER NAME	pjmsarino
PLOT SCALE	20.0000
PLOT DATE	5/23/2014

DESIGNED	KAM
DRAWN	KAM
CHECKED	KCF
DATE	04/28/14
REVISION	5/27/2014

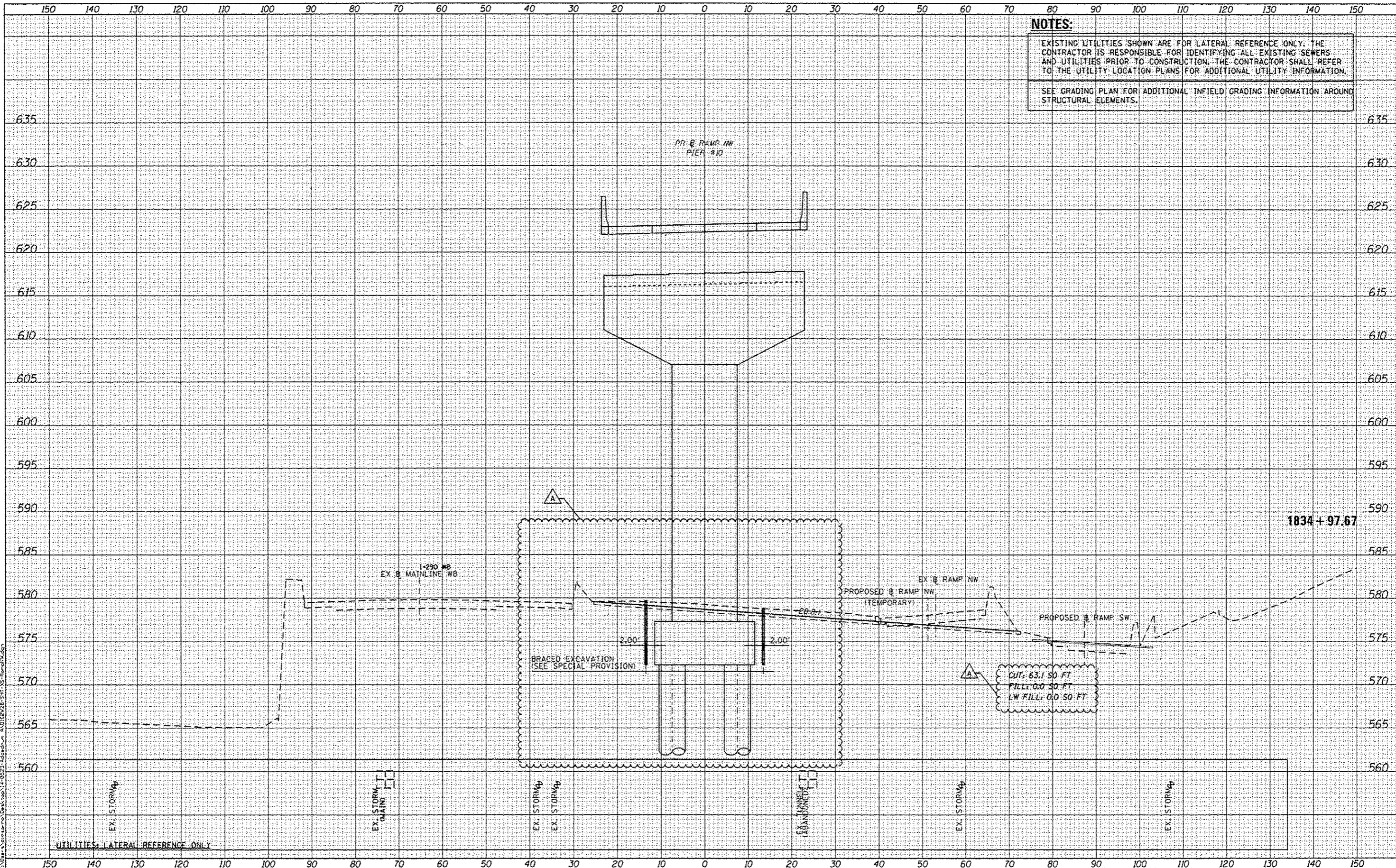
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
RAMP NW
 SCALE: 1/5"=1'-0" SHEET 33 OF 51 SHEETS STA. 1833+63.17 TO STA. 1833+63.17

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-010R	COOK	747	678
CONTRACT NO. 60W28			ILLINOIS FED. AID PROJECT	



303 EAST Wacker Drive, Suite 1400
 Chicago, IL 60601-3076
 Phone: (312) 315-7100 Fax: (312) 315-6800



NOTES:
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 SEE GRADING PLAN FOR ADDITIONAL INFIELD GRADING INFORMATION AROUND STRUCTURAL ELEMENTS.

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DIGB28-SHT-XS-RampNW.dgn
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 PLOT DATE: 5/23/2014

DESIGNED -	KAM	REVISED -	5/27/2014
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 RAMP NW

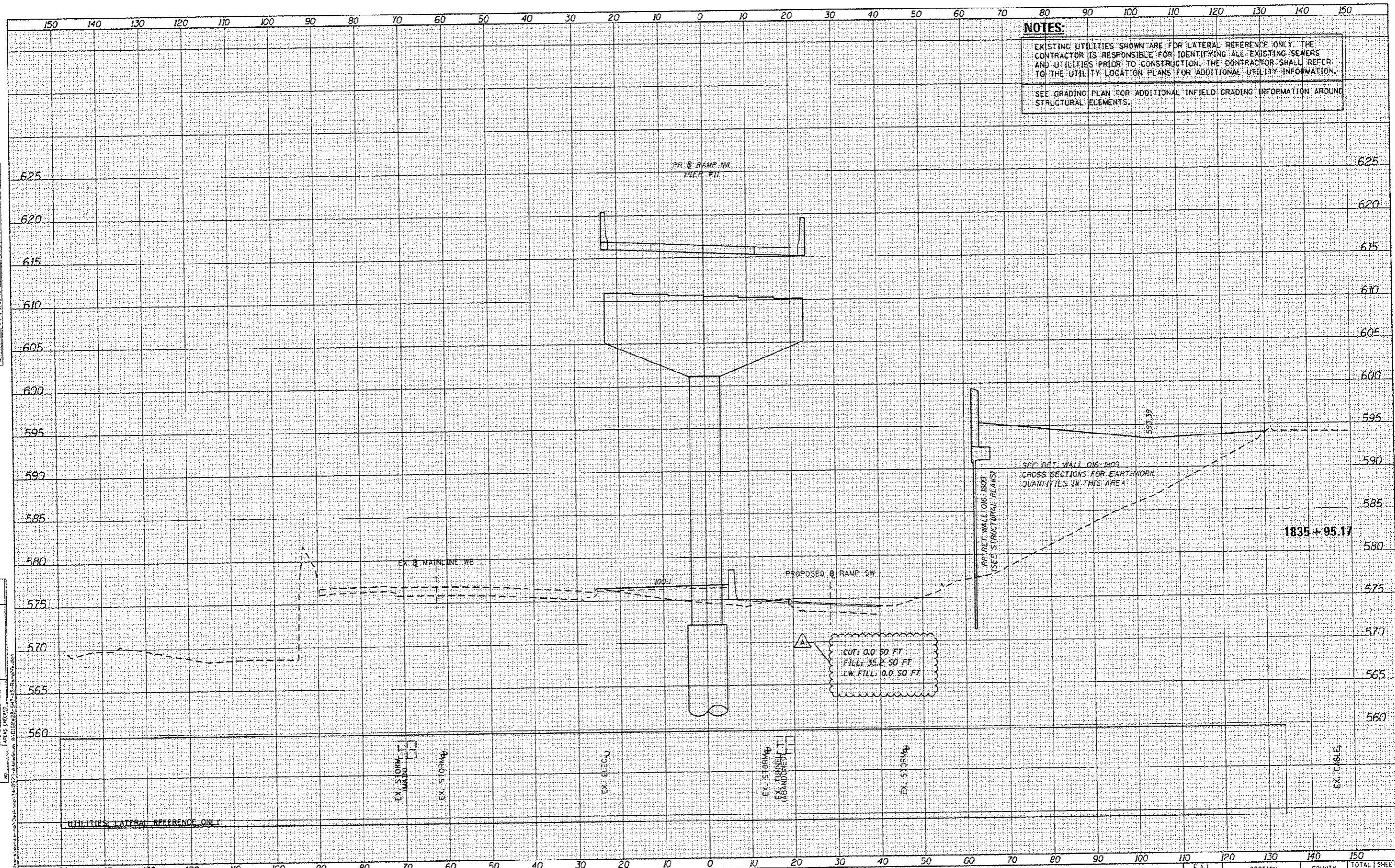
SCALE: 1/8"=1'-0" SHEET 34 OF 51 SHEETS STA. 1834+97.67 TO STA. 1834+97.67

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-010R	COOK	747	675
CONTRACT NO. 60W28			ILLINOIS FED. AID PROJECT	

NOTES:
 EXISTING UTILITIES SHOWN ARE FOR LATERAL REFERENCE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING ALL EXISTING SEWERS AND UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL REFER TO THE UTILITY LOCATION PLANS FOR ADDITIONAL UTILITY INFORMATION.
 SEE GRADING PLAN FOR ADDITIONAL INFIELD GRADING INFORMATION AROUND STRUCTURAL ELEMENTS.

DATE	
BY	
REVISIONS	
NO.	
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BY	
REVISIONS	
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DIG020-SHT-XS-RampNW.dgn	DESIGNED - KAM	REVISED - 5/27/2014
USER NAME = gmsorno	DRAWN - KAM	REVISED -
PLLOT SCALE = 20.0000 / in.	CHECKED - KCF	REVISED -
PLLOT DATE = 5/23/2014	DATE - 04/28/14	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS	
RAMP NW	
SCALE: 1:5V, 1:10H	SHEET 35 OF 51 SHEETS
STA. 1835+95.17 TO STA. 1835+95.17	

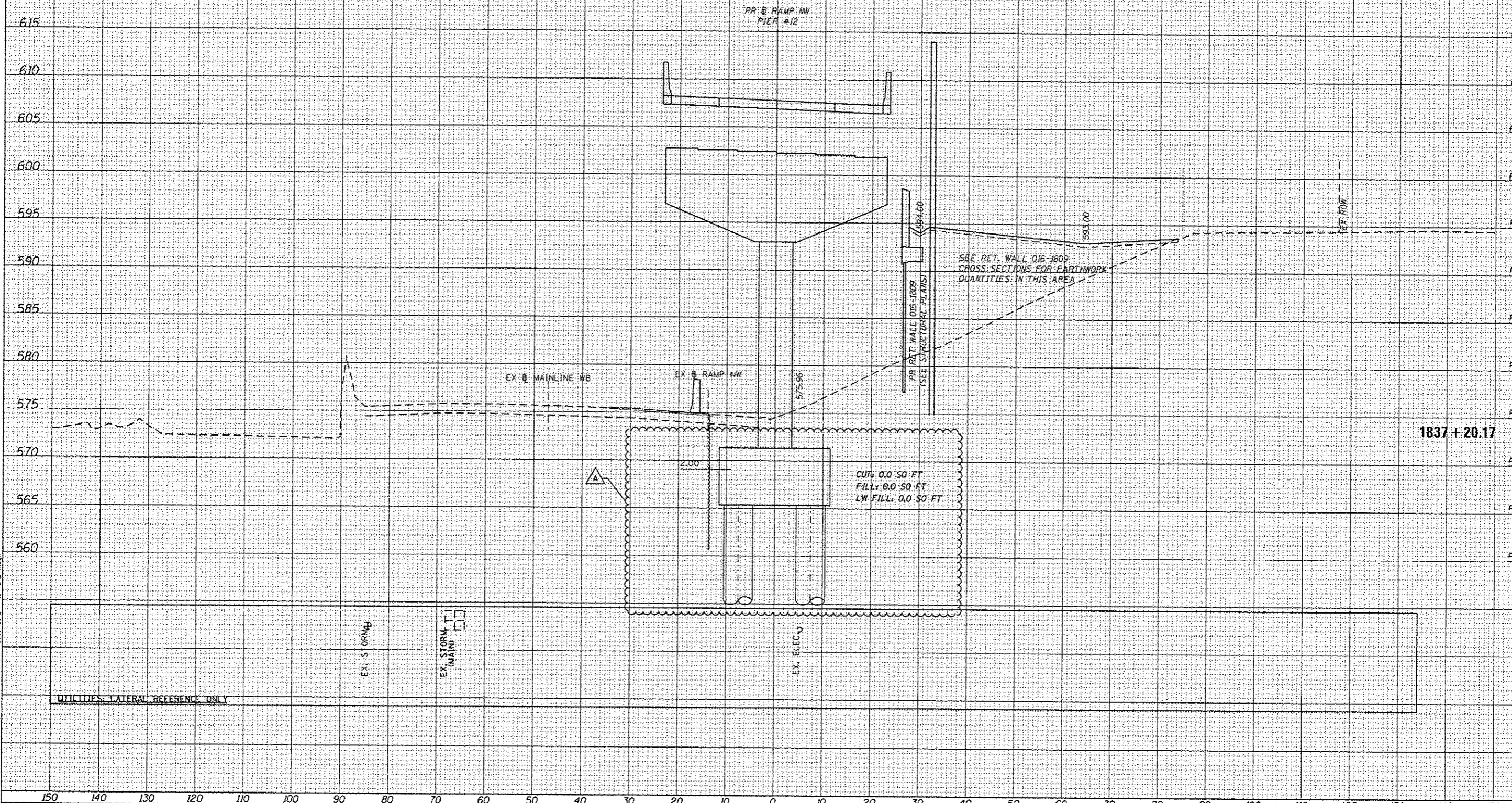
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-010R	COOK	747	680
CONTRACT NO. 60W28			ILLINOIS FED. AID PROJECT	

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

NOTES:
 EXISTING UTILITIES SHOWN ARE FOR LATERAL REFERENCE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING ALL EXISTING SEWERS AND UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL REFER TO THE UTILITY LOCATION PLANS FOR ADDITIONAL UTILITY INFORMATION.
 SEE GRADING PLAN FOR ADDITIONAL INFIELD GRADING INFORMATION AROUND STRUCTURAL ELEMENTS.

DATE	
BY	
FINAL SURVEY	
NOTED	
NO. BOOK	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
NOTED	
NO. BOOK	
NO.	



<p>303 EAST WACKER DRIVE, SUITE 1400 CHICAGO, IL 60601-3078 PHONE (312) 373-7700 FAX (312) 373-4800</p>	DIGB\20-SHT-X5-RampNW.dgn USER NAME : pmsarno PLOT SCALE : 20,0000 / in. PLOT DATE : 5/23/2014	DESIGNED - KAM DRAWN - KAM CHECKED - XCF DATE - 04/28/14	REVISED - Δ 5/27/2014 REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS RAMP NW				F.A.I. RTE. 90/94/290 SECTION 2013-010R COUNTY COOK TOTAL SHEETS 747 SHEET NO. 681	CONTRACT NO. 60W2B ILLINOIS FED. AID PROJECT
	SCALE: 1:5V,1:10H SHEET 36 OF 51 SHEETS STA. 1837+20.17 TO STA. 1837+20.17									

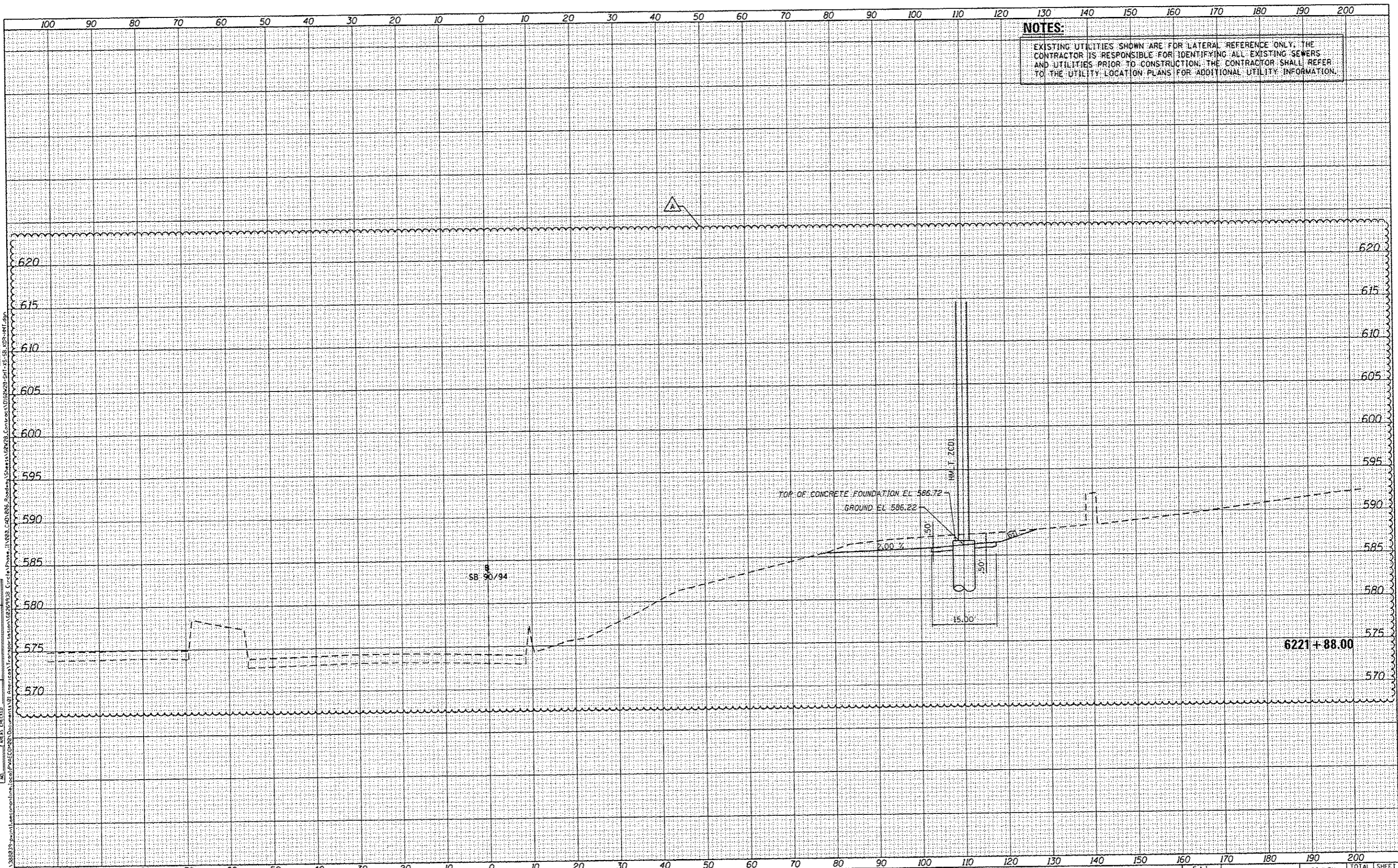
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NOTES:

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DATE	
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REVISIONS	
NO.	



DESIGNED - NWM / AJP	REVISED - 5/27/2014
DRAWN - NWM / AJP	REVISED -
CHECKED - KAM	REVISED -
DATE - 04/28/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS	
SB I-9094 HIGH MASS LIGHT TOWER	
SCALE: 1/5"=1'-0"	SHEET 1 OF 1 SHEETS
STA. 6221+88.00 TO STA. 6221+88.00	

F.A.I. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-D10R	COOK	747	747
CONTRACT NO. 60W28			ILLINOIS FED. AID PROJECT	

